

PHOTOMETRIC RESULTS

File Name:	PUK ITALIA 1505-QL18-S21 ART-206002 18deg		
Sample Number:	1505-QL18-S21		
Report Number:			
Model:	ART-206002 18deg		
Flux:	1419 lm	Flux 2	0.00 lm
Date:	04/12/2018 15.40.54		
Manufacturer:	PUK ITALIA		

Protocol

LiTG-class:	E0
UTE-class:	Not available
IES-class:	0 - 0 - 0 - 0 - 100
TM5-class:	Not available

Divergences in the plane through maximum intensity:	Horizontal	Vertical
One half peak divergence:	-343.3°	-343.4°
Half peak side angle (left):	172.0°	172.6°
Half peak side angle (right):	-171.3°	-170.7°
One tenth peak divergence:	-321.1°	-322.1°
Tenth peak side angle (left):	162.0°	161.6°
Tenth peak side angle (right):	-159.1°	-160.4°

Road lighting lantern class. (acc. CIE No 34-1977):	Value	Classification
Throw:	-1.0°	-
Spread:	-68.2°	-
SLI:	Not available	-

BUG ratings (acc. TM-15-11):	Asymmetrical and quadrilateral symmetrical luminaire					
	Measurement data not sufficient to calculate BUG ratings					
	FL	Not available	BL	Not available	UL	Not available
	FM	Not available	BM	Not available		
	FH	Not available	BH	Not available	UH	Not available
	FVH	Not available	BVH	Not available		

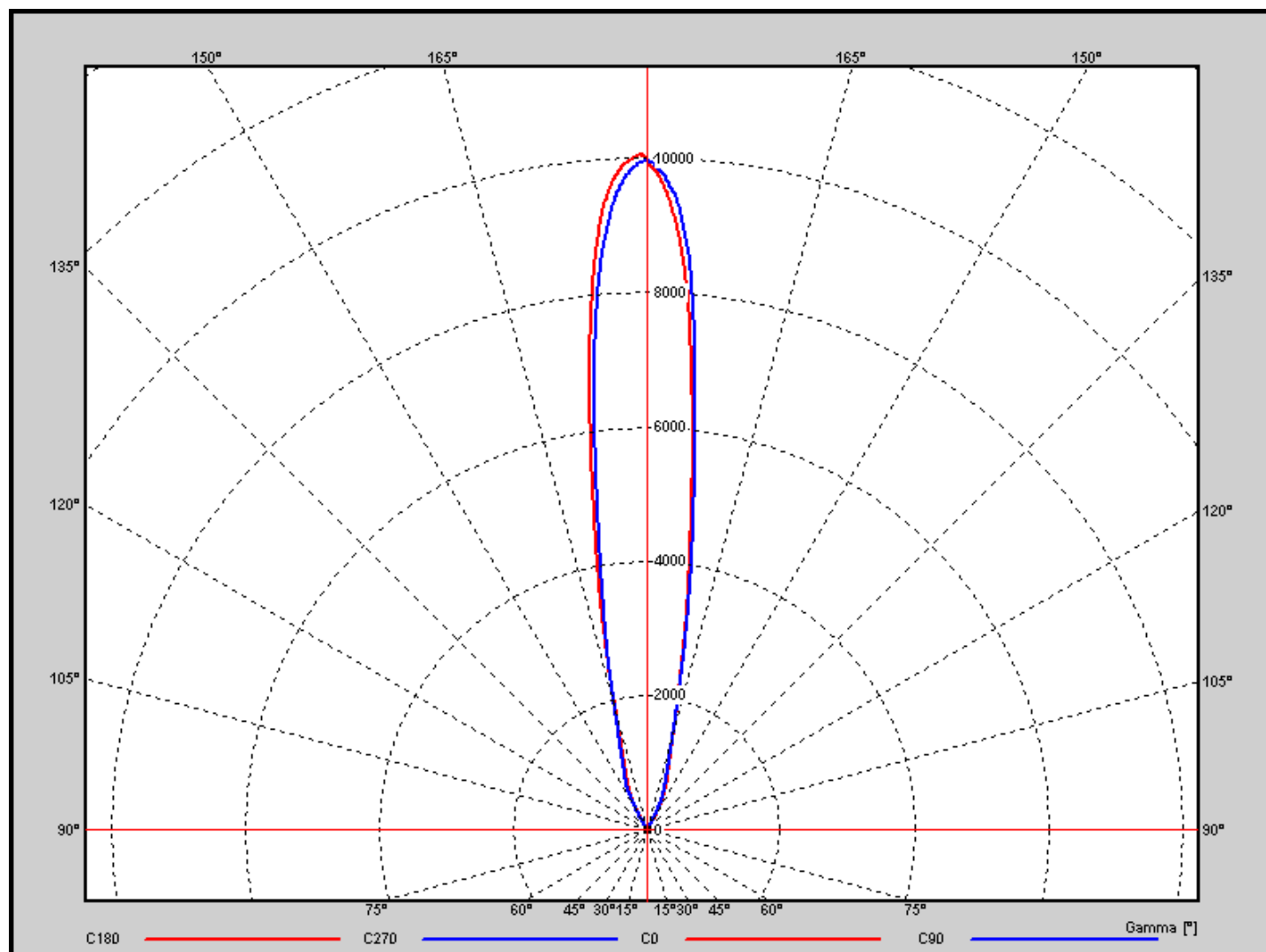
C-planes:	0.0°	2.5°	5.0°	7.5°	10.0°	12.5°	15.0°	17.5°	20.0°	22.5°
	25.0°	27.5°	30.0°	32.5°	35.0°	37.5°	40.0°	42.5°	45.0°	47.5°
	50.0°	52.5°	55.0°	57.5°	60.0°	62.5°	65.0°	67.5°	70.0°	72.5°
	75.0°	77.5°	80.0°	82.5°	85.0°	87.5°	90.0°	92.5°	95.0°	97.5°
	100.0°	102.5°	105.0°	107.5°	110.0°	112.5°	115.0°	117.5°	120.0°	122.5°
	125.0°	127.5°	130.0°	132.5°	135.0°	137.5°	140.0°	142.5°	145.0°	147.5°
	150.0°	152.5°	155.0°	157.5°	160.0°	162.5°	165.0°	167.5°	170.0°	172.5°
	175.0°	177.5°	180.0°	182.5°	185.0°	187.5°	190.0°	192.5°	195.0°	197.5°
	200.0°	202.5°	205.0°	207.5°	210.0°	212.5°	215.0°	217.5°	220.0°	222.5°
	225.0°	227.5°	230.0°	232.5°	235.0°	237.5°	240.0°	242.5°	245.0°	247.5°
	250.0°	252.5°	255.0°	257.5°	260.0°	262.5°	265.0°	267.5°	270.0°	272.5°
	275.0°	277.5°	280.0°	282.5°	285.0°	287.5°	290.0°	292.5°	295.0°	297.5°
	300.0°	302.5°	305.0°	307.5°	310.0°	312.5°	315.0°	317.5°	320.0°	322.5°
	325.0°	327.5°	330.0°	332.5°	335.0°	337.5°	340.0°	342.5°	345.0°	347.5°
	350.0°	352.5°	355.0°	357.5°						

Gamma:	90.0°	95.0°	100.0°	105.0°	110.0°	115.0°	120.0°	125.0°	130.0°	135.0°
	140.0°	145.0°	150.0°	152.5°	155.0°	157.5°	160.0°	162.5°	165.0°	167.5°
	170.0°	170.5°	171.0°	171.5°	172.0°	172.5°	173.0°	173.5°	174.0°	174.5°
	175.0°	175.5°	176.0°	176.5°	177.0°	177.5°	178.0°	178.5°	179.0°	179.5°
	180.0°									

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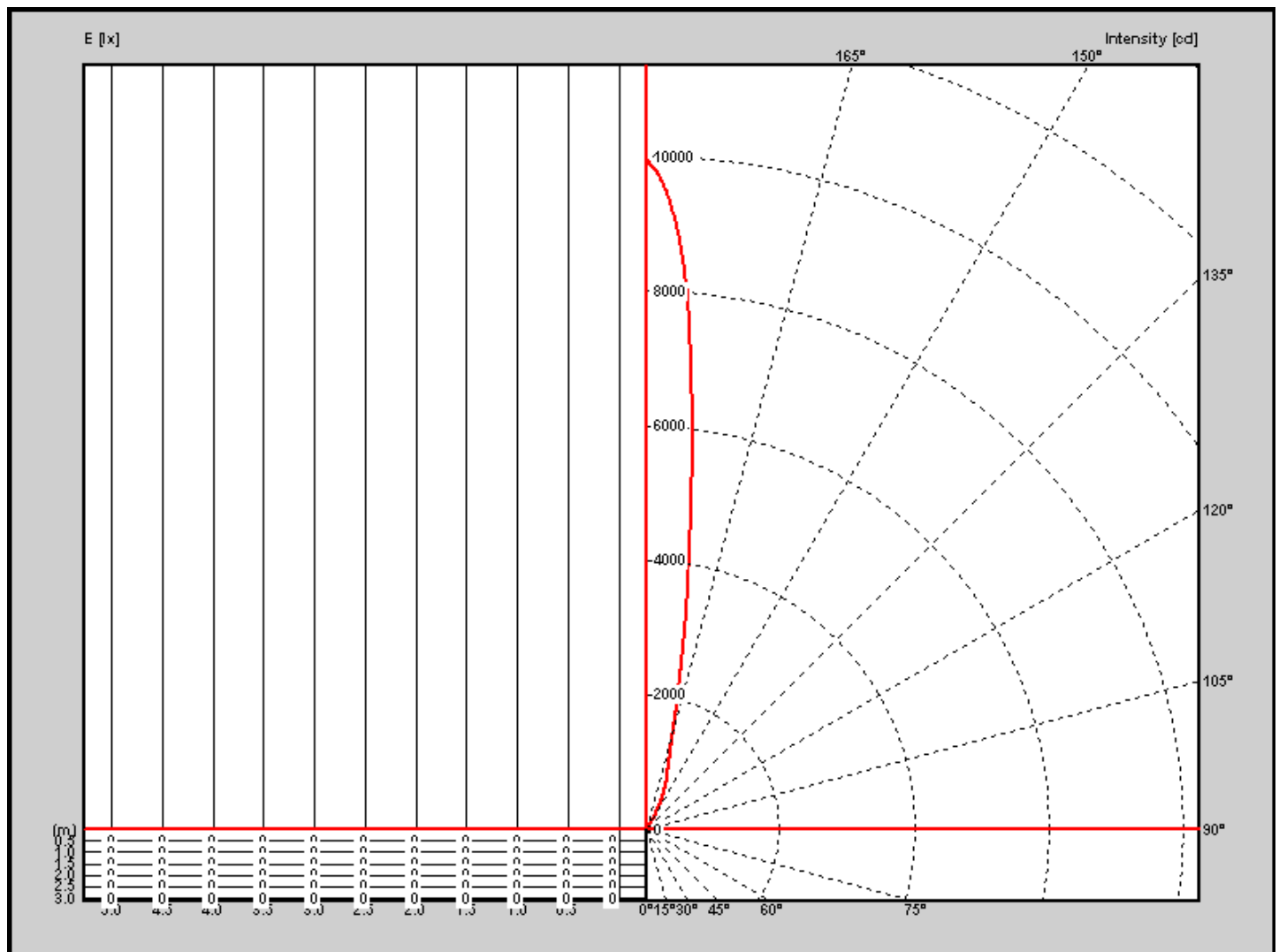
Polar diagram PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180



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Illuminance and Intensity diagram PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180



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Zonal flux PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

Gamma [°]	Imin [cd/klm]	Imax [cd/klm]	Imean [cd/klm]	Zonal flux [lm]	Sum. zonal flux [lm]	Rel. zonal flux [%]	Sum. rel. zonal flux [%]
90.0	0.02	0.02	0.02	0	0	0.00	0.00
95.0	0.02	0.04	0.03	0	0	0.00	0.00
100.0	0.04	0.09	0.07	0	0	0.00	0.00
105.0	0.07	0.11	0.10	0	0	0.00	0.01
110.0	0.14	0.20	0.16	0	0	0.01	0.02
115.0	0.23	0.33	0.26	0	0	0.01	0.03
120.0	0.39	0.61	0.48	0	1	0.02	0.04
125.0	0.55	0.78	0.64	0	1	0.03	0.07
130.0	0.86	1.02	0.92	0	1	0.03	0.10
135.0	1.50	2.11	1.81	1	2	0.06	0.16
140.0	2.10	2.60	2.27	1	3	0.08	0.23
145.0	4.29	19.90	11.06	3	6	0.22	0.46
150.0	75.63	185.14	124.74	28	35	2.00	2.46
152.5	195.37	350.58	270.25	37	72	2.60	5.06
155.0	335.03	509.18	416.75	59	131	4.16	9.23
157.5	459.49	615.30	531.55	74	205	5.23	14.46
160.0	560.16	754.32	653.43	84	289	5.89	20.35
162.5	728.17	980.42	849.13	94	383	6.62	26.97
165.0	1017.58	1366.91	1177.30	110	493	7.77	34.74
167.5	1512.06	2104.70	1794.96	137	630	9.68	44.42
170.0	2377.10	3167.50	2722.91	171	802	12.08	56.50
170.5	2597.79	3433.37	2956.96	37	839	2.64	59.14
171.0	2807.80	3707.82	3200.22	38	878	2.71	61.85
171.5	3044.54	4028.39	3478.94	40	917	2.79	64.64
172.0	3283.10	4336.68	3758.53	40	958	2.85	67.49
172.5	3549.02	4665.03	4061.24	41	999	2.89	70.38
173.0	3856.54	5006.72	4399.21	42	1040	2.93	73.31
173.5	4169.62	5319.00	4719.22	42	1082	2.94	76.24
174.0	4496.00	5616.30	5037.21	41	1123	2.91	79.16
174.5	4852.27	5924.81	5377.03	41	1164	2.86	82.02
175.0	5176.72	6155.60	5661.78	39	1203	2.77	84.79
175.5	5512.32	6386.31	5953.15	37	1240	2.64	87.42

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Zonal flux PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

Gamma a [°]	Imin [cd/klm]	Imax [cd/klm]	Imean [cd/klm]	Zonal flux [lm]	Sum. zonal flux [lm]	Rel. zonal flux [%]	Sum. rel. zonal flux [%]
176.0	5784.26	6574.38	6185.17	35	1275	2.47	89.89
176.5	6039.15	6722.38	6379.41	32	1307	2.25	92.14
177.0	6278.10	6843.33	6566.09	29	1336	2.01	94.15
177.5	6441.40	6943.41	6701.68	25	1361	1.75	95.90
178.0	6618.07	7016.87	6814.09	21	1381	1.45	97.35
178.5	6749.50	7066.04	6901.58	16	1398	1.15	98.50
179.0	6860.90	7086.83	6966.97	12	1409	0.83	99.33
179.5	6944.57	7084.62	7008.88	7	1416	0.50	99.83
180.0	7018.62	7018.62	7018.62	2	1419	0.17	100.00

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Intensity [cd/klm] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd/klm]	0.0	2.5	5.0	7.5	10.0	12.5	15.0	17.5
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
95.0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
100.0	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
105.0	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
110.0	0.20	0.20	0.18	0.18	0.18	0.18	0.16	0.16
115.0	0.33	0.31	0.31	0.29	0.29	0.27	0.27	0.25
120.0	0.54	0.52	0.52	0.52	0.50	0.48	0.46	0.46
125.0	0.72	0.72	0.70	0.70	0.68	0.68	0.67	0.65
130.0	0.96	0.94	0.94	0.92	0.91	0.89	0.88	0.86
135.0	1.61	1.59	1.57	1.58	1.55	1.53	1.50	1.50
140.0	2.20	2.18	2.16	2.15	2.14	2.13	2.12	2.10
145.0	4.33	4.29	4.37	4.65	5.04	5.74	6.53	7.36
150.0	107.10	104.80	103.12	101.91	100.60	99.00	96.78	94.59
152.5	244.91	241.71	240.07	238.62	236.93	234.25	229.83	225.54
155.0	391.39	388.00	387.10	386.63	385.24	382.66	378.27	373.96
157.5	521.25	517.33	516.14	516.71	514.60	511.69	505.83	500.50
160.0	633.23	631.33	629.16	629.56	628.07	624.90	620.65	616.80
162.5	790.90	786.82	785.19	784.39	782.80	780.95	778.12	775.10
165.0	1053.88	1048.37	1042.90	1040.95	1037.07	1033.69	1031.83	1032.94
167.5	1562.30	1553.08	1547.70	1544.74	1540.24	1535.60	1532.17	1531.85
170.0	2407.57	2402.67	2398.93	2395.16	2397.91	2397.60	2395.57	2393.07
170.5	2609.86	2608.31	2604.09	2605.07	2605.18	2601.99	2607.88	2613.67
171.0	2821.17	2813.94	2812.85	2811.39	2810.66	2811.71	2813.11	2814.86
171.5	3065.00	3057.46	3052.20	3048.22	3046.52	3044.54	3048.42	3051.34
172.0	3308.83	3304.58	3300.55	3290.43	3294.89	3293.37	3289.04	3291.36
172.5	3599.62	3584.17	3579.50	3570.31	3559.34	3558.19	3565.04	3557.84
173.0	3906.66	3898.03	3898.03	3891.46	3884.54	3881.66	3879.97	3873.74
173.5	4217.31	4210.09	4203.97	4198.25	4199.02	4198.02	4193.13	4184.35
174.0	4529.77	4520.34	4520.71	4522.99	4518.86	4509.05	4504.51	4512.60
174.5	4887.39	4872.09	4860.84	4854.90	4861.93	4860.96	4863.67	4863.80
175.0	5181.79	5176.93	5179.38	5177.85	5178.20	5180.88	5185.68	5190.28
175.5	5528.56	5521.46	5512.32	5513.35	5521.27	5520.34	5525.37	5530.89
176.0	5792.26	5786.62	5785.86	5784.26	5787.50	5792.27	5799.61	5811.49
176.5	6041.50	6039.15	6039.61	6042.61	6044.80	6042.87	6052.61	6044.45
177.0	6278.10	6279.06	6278.96	6290.20	6291.38	6289.92	6286.15	6298.58
177.5	6449.69	6441.40	6464.33	6485.76	6482.57	6469.43	6471.92	6476.82
178.0	6623.08	6630.80	6638.89	6638.26	6639.81	6632.94	6627.61	6637.42
178.5	6762.15	6751.66	6752.27	6749.50	6759.53	6764.46	6763.85	6773.31
179.0	6866.90	6865.29	6863.85	6867.91	6873.89	6867.55	6878.85	6882.73
179.5	6944.57	6962.70	6979.03	6982.74	6981.10	6977.74	6983.23	6988.62
180.0	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62

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Intensity [cd/klm] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd/klm]	20.0	22.5	25.0	27.5	30.0	32.5	35.0	37.5
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
95.0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
100.0	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
105.0	0.11	0.11	0.11	0.11	0.09	0.09	0.11	0.11
110.0	0.16	0.14	0.14	0.14	0.14	0.14	0.14	0.14
115.0	0.25	0.23	0.23	0.23	0.23	0.23	0.25	0.26
120.0	0.44	0.44	0.44	0.44	0.46	0.48	0.49	0.51
125.0	0.63	0.63	0.63	0.63	0.63	0.64	0.64	0.64
130.0	0.86	0.86	0.86	0.86	0.86	0.88	0.88	0.88
135.0	1.52	1.50	1.50	1.50	1.53	1.54	1.54	1.53
140.0	2.12	2.13	2.15	2.15	2.17	2.19	2.19	2.21
145.0	8.27	9.04	9.61	9.90	10.01	10.11	10.06	10.11
150.0	92.91	91.76	90.84	89.98	89.36	88.59	87.36	86.10
152.5	222.67	220.51	218.11	215.88	213.63	211.95	209.48	207.14
155.0	371.29	369.34	367.74	366.07	362.92	360.90	358.96	357.11
157.5	498.58	496.32	491.85	488.27	484.18	482.67	479.32	476.02
160.0	615.12	613.09	608.74	604.66	599.81	594.56	590.68	588.06
162.5	772.91	771.96	769.11	766.13	763.02	760.98	758.86	757.09
165.0	1033.49	1033.86	1031.23	1028.14	1026.88	1026.41	1026.59	1026.68
167.5	1528.55	1527.01	1520.97	1519.59	1517.59	1514.20	1512.44	1512.06
170.0	2390.67	2386.51	2381.79	2377.10	2384.78	2389.54	2382.48	2387.18
170.5	2614.57	2610.19	2603.60	2600.73	2603.34	2601.32	2597.79	2598.90
171.0	2815.56	2810.97	2807.80	2810.27	2813.09	2814.86	2811.33	2812.39
171.5	3055.33	3052.26	3050.73	3047.98	3052.80	3047.81	3046.05	3052.34
172.0	3291.58	3286.51	3283.10	3287.45	3290.75	3287.83	3287.83	3292.29
172.5	3557.79	3554.22	3557.72	3556.85	3553.37	3550.78	3549.02	3549.89
173.0	3869.85	3865.97	3860.51	3857.95	3856.54	3864.92	3863.15	3860.42
173.5	4178.38	4174.19	4170.33	4169.62	4172.04	4175.52	4177.29	4181.53
174.0	4511.59	4501.78	4496.00	4500.65	4501.65	4502.01	4500.25	4499.11
174.5	4858.91	4852.27	4853.36	4852.81	4857.69	4867.33	4867.33	4866.10
175.0	5193.88	5193.95	5186.07	5178.57	5176.72	5181.46	5184.99	5194.27
175.5	5534.15	5530.36	5531.10	5534.25	5529.23	5527.36	5530.89	5538.32
176.0	5814.47	5812.16	5821.57	5817.74	5805.96	5806.20	5813.26	5829.44
176.5	6050.72	6046.40	6046.89	6057.21	6068.58	6072.69	6065.63	6076.45
177.0	6302.83	6300.03	6300.39	6305.49	6310.06	6303.87	6303.87	6311.11
177.5	6484.42	6484.96	6481.71	6485.09	6495.13	6498.00	6498.00	6501.66
178.0	6641.33	6638.19	6633.10	6643.57	6652.00	6642.72	6633.89	6641.05
178.5	6780.61	6784.37	6791.53	6793.24	6794.77	6787.43	6782.14	6775.14
179.0	6882.87	6875.96	6884.83	6902.41	6898.76	6889.79	6877.44	6877.47
179.5	6990.41	6985.16	6986.93	6988.69	6988.65	6988.62	6978.03	6970.98
180.0	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62

G/C [cd/klm]	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
95.0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
100.0	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
105.0	0.09	0.09	0.11	0.09	0.11	0.09	0.11	0.09
110.0	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
115.0	0.30	0.32	0.30	0.30	0.30	0.28	0.25	0.25
120.0	0.53	0.55	0.55	0.55	0.55	0.55	0.53	0.53
125.0	0.64	0.64	0.65	0.65	0.65	0.65	0.67	0.67
130.0	0.88	0.88	0.90	0.90	0.90	0.90	0.90	0.90
135.0	1.55	1.55	1.55	1.57	1.57	1.55	1.55	1.55
140.0	2.23	2.23	2.22	2.22	2.22	2.22	2.20	2.20
145.0	10.16	10.14	10.12	10.11	10.11	9.98	9.92	9.87

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G/C [cd/klm]	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5
150.0	85.88	85.35	84.58	83.63	82.45	81.11	79.86	78.88
152.5	206.92	206.74	205.35	203.25	201.54	199.17	197.54	196.77
155.0	356.41	356.59	355.79	353.58	350.58	346.44	342.66	341.53
157.5	477.10	477.63	476.74	474.44	473.02	469.78	466.32	463.63
160.0	588.07	586.65	583.91	580.12	574.84	568.49	564.30	563.60
162.5	757.52	758.23	758.72	754.62	747.84	740.75	735.28	732.61
165.0	1029.65	1031.24	1032.75	1030.03	1026.54	1022.44	1019.90	1019.68
167.5	1517.87	1523.18	1529.09	1529.70	1525.63	1521.96	1521.58	1521.43
170.0	2397.85	2397.85	2401.34	2403.06	2397.68	2398.19	2399.35	2403.37
170.5	2602.83	2611.66	2622.05	2621.84	2616.13	2612.85	2615.71	2624.73
171.0	2816.64	2823.70	2832.17	2833.56	2831.06	2834.55	2839.11	2849.61
171.5	3060.49	3065.79	3075.83	3077.04	3074.17	3075.60	3080.10	3086.79
172.0	3299.03	3302.57	3310.67	3315.23	3313.76	3318.41	3324.61	3332.75
172.5	3558.79	3578.22	3591.41	3588.71	3583.30	3585.85	3588.47	3594.52
173.0	3862.71	3876.85	3889.82	3888.65	3884.55	3883.20	3892.78	3905.48
173.5	4187.85	4193.15	4202.34	4206.23	4206.94	4213.99	4225.24	4234.01
174.0	4520.05	4514.75	4527.23	4532.64	4538.14	4541.25	4552.43	4555.51
174.5	4884.05	4891.12	4890.96	4897.86	4906.34	4919.55	4937.66	4949.05
175.0	5210.95	5216.25	5228.21	5233.09	5241.06	5250.33	5261.32	5268.79
175.5	5557.29	5564.36	5572.52	5582.43	5588.12	5593.43	5606.10	5618.41
176.0	5840.01	5845.31	5840.90	5861.20	5875.28	5876.71	5896.34	5908.29
176.5	6098.00	6099.77	6098.69	6108.21	6114.87	6126.56	6147.89	6148.98
177.0	6331.25	6340.08	6347.66	6348.16	6354.46	6360.57	6376.56	6387.91
177.5	6511.48	6513.25	6517.16	6526.36	6530.63	6534.76	6531.36	6523.19
178.0	6652.85	6659.91	6670.78	6667.51	6668.04	6680.80	6691.43	6688.33
178.5	6778.30	6780.07	6792.61	6806.90	6812.50	6807.48	6805.77	6806.04
179.0	6887.86	6884.32	6879.13	6879.23	6886.49	6888.42	6888.45	6897.39
179.5	6972.68	6970.91	6958.59	6955.10	6956.96	6962.32	6967.60	6979.97
180.0	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62

G/C [cd/klm]	60.0	62.5	65.0	67.5	70.0	72.5	75.0	77.5
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
95.0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
100.0	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
105.0	0.09	0.11	0.09	0.11	0.11	0.11	0.11	0.11
110.0	0.14	0.14	0.14	0.14	0.14	0.16	0.16	0.16
115.0	0.25	0.25	0.25	0.25	0.25	0.25	0.27	0.27
120.0	0.53	0.53	0.53	0.51	0.51	0.53	0.53	0.53
125.0	0.67	0.68	0.68	0.68	0.69	0.71	0.71	0.71
130.0	0.89	0.89	0.89	0.89	0.90	0.93	0.94	0.94
135.0	1.56	1.56	1.56	1.56	1.58	1.60	1.61	1.65
140.0	2.19	2.19	2.19	2.18	2.20	2.19	2.21	2.22
145.0	9.86	9.78	9.72	9.46	9.04	8.43	7.84	7.11
150.0	77.87	76.91	75.94	75.63	75.80	75.81	75.90	75.73
152.5	195.72	195.53	195.37	196.52	197.84	198.52	198.69	198.40
155.0	339.71	338.14	336.90	337.60	339.06	339.03	337.93	336.53
157.5	461.95	460.26	459.49	461.30	463.92	464.56	463.72	462.75
160.0	561.74	560.47	560.16	562.72	566.80	568.58	567.75	566.40
162.5	730.10	728.84	728.17	729.76	733.34	736.59	737.42	733.86
165.0	1017.72	1017.58	1019.47	1022.61	1028.61	1031.20	1029.53	1026.84
167.5	1527.54	1531.27	1539.82	1547.61	1558.13	1565.57	1565.79	1567.99
170.0	2409.69	2419.55	2430.74	2444.23	2458.54	2471.77	2480.49	2492.43
170.5	2635.93	2650.82	2663.99	2672.34	2687.16	2700.96	2712.26	2723.54
171.0	2856.91	2868.07	2881.46	2895.18	2912.26	2926.63	2938.73	2949.31
171.5	3095.42	3104.59	3123.48	3139.08	3154.95	3169.93	3181.11	3194.65

Intensity [cd/klm] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd/klm]	60.0	62.5	65.0	67.5	70.0	72.5	75.0	77.5
172.0	3337.44	3342.87	3358.49	3372.45	3390.60	3409.70	3423.50	3436.42
172.5	3602.26	3616.18	3635.58	3644.42	3666.70	3684.73	3701.27	3715.53
173.0	3923.20	3943.81	3958.28	3970.78	3995.56	4009.13	4023.28	4042.64
173.5	4242.39	4255.67	4272.20	4291.89	4312.11	4333.53	4350.59	4369.75
174.0	4565.08	4593.81	4617.70	4635.80	4656.80	4673.79	4693.82	4714.63
174.5	4957.93	4977.51	4998.27	5014.80	5040.18	5063.42	5083.06	5105.74
175.0	5273.61	5289.37	5317.46	5335.91	5362.00	5391.34	5413.91	5432.85
175.5	5631.38	5645.03	5668.21	5688.59	5706.69	5728.08	5748.30	5770.63
176.0	5906.73	5921.85	5948.82	5974.60	5995.10	6008.40	6018.99	6030.18
176.5	6154.01	6161.88	6185.58	6204.46	6218.45	6227.02	6236.61	6259.51
177.0	6399.54	6405.41	6420.58	6427.30	6447.07	6457.98	6466.61	6481.73
177.5	6532.82	6559.58	6588.94	6588.73	6603.58	6613.12	6627.61	6641.73
178.0	6694.17	6712.01	6732.75	6737.88	6740.76	6743.59	6735.54	6746.62
178.5	6809.92	6818.88	6832.72	6841.40	6841.00	6837.03	6848.77	6860.40
179.0	6908.13	6920.50	6936.19	6943.17	6950.03	6946.33	6940.77	6943.95
179.5	6980.04	6983.57	6990.56	6995.81	6999.27	6986.88	6990.31	6991.95
180.0	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62

G/C [cd/klm]	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
95.0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
100.0	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
105.0	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
110.0	0.18	0.18	0.20	0.20	0.20	0.20	0.20	0.20
115.0	0.29	0.31	0.32	0.32	0.32	0.32	0.32	0.30
120.0	0.55	0.56	0.57	0.59	0.59	0.59	0.61	0.59
125.0	0.73	0.75	0.77	0.77	0.77	0.78	0.77	0.75
130.0	0.96	0.99	0.99	1.00	1.00	1.02	1.00	0.99
135.0	1.68	1.71	1.72	1.74	1.77	1.78	1.78	1.81
140.0	2.25	2.26	2.28	2.26	2.25	2.26	2.28	2.27
145.0	6.52	5.96	5.57	5.41	5.37	5.51	5.82	6.31
150.0	75.76	76.29	77.03	77.69	78.66	79.71	80.61	81.89
152.5	198.16	198.53	198.94	200.12	201.37	202.57	202.87	203.04
155.0	335.03	335.31	335.76	336.88	338.18	339.16	338.65	338.58
157.5	461.89	460.79	461.26	463.61	465.53	466.66	465.36	465.42
160.0	565.35	566.34	567.02	568.51	570.05	572.40	572.84	573.07
162.5	731.52	733.63	738.67	742.50	743.78	746.08	746.17	746.09
165.0	1024.74	1027.66	1029.72	1032.66	1035.22	1039.95	1041.94	1044.18
167.5	1570.61	1581.43	1590.82	1596.69	1601.71	1610.22	1617.63	1627.20
170.0	2501.54	2518.45	2531.66	2538.23	2545.25	2562.44	2573.26	2584.69
170.5	2735.62	2751.80	2761.48	2767.35	2773.56	2788.90	2799.26	2812.07
171.0	2958.97	2974.39	2985.92	2996.47	3007.22	3024.28	3035.94	3046.55
171.5	3207.34	3225.69	3240.88	3250.65	3258.71	3279.28	3293.98	3309.46
172.0	3453.92	3475.20	3494.05	3504.83	3515.55	3539.62	3555.58	3570.60
172.5	3730.88	3755.23	3770.56	3782.29	3793.80	3816.02	3834.97	3860.15
173.0	4052.50	4081.93	4095.54	4113.44	4129.12	4153.04	4171.31	4190.57
173.5	4388.42	4419.40	4443.87	4457.12	4471.58	4500.76	4518.33	4540.52
174.0	4736.85	4764.05	4783.22	4795.43	4810.47	4837.78	4860.00	4885.14
174.5	5122.81	5149.98	5165.66	5176.70	5193.96	5221.17	5247.95	5272.40
175.0	5449.79	5480.27	5499.62	5500.69	5507.88	5535.01	5557.59	5581.50
175.5	5789.29	5815.94	5828.20	5830.05	5843.20	5868.46	5888.59	5904.81
176.0	6046.59	6065.45	6068.80	6082.44	6101.83	6134.16	6150.19	6169.49
176.5	6275.30	6295.22	6307.60	6309.78	6310.52	6342.79	6358.40	6364.90
177.0	6493.29	6508.83	6517.67	6517.42	6517.42	6542.51	6555.93	6563.86
177.5	6652.32	6661.41	6679.27	6683.89	6676.16	6695.86	6700.08	6698.86

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Intensity [cd/klm] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd/klm]	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5
178.0	6761.32	6779.88	6795.98	6773.39	6763.56	6804.64	6810.41	6817.88
178.5	6863.17	6873.22	6882.16	6871.84	6867.01	6886.66	6885.15	6890.72
179.0	6947.15	6957.59	6955.78	6938.07	6931.22	6961.56	6970.57	6965.33
179.5	7006.11	7013.23	7011.44	7000.72	6997.22	7007.92	7009.72	7011.51
180.0	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62

G/C [cd/klm]	100.0	102.5	105.0	107.5	110.0	112.5	115.0	117.5
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
95.0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
100.0	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
105.0	0.11	0.11	0.11	0.11	0.09	0.09	0.11	0.11
110.0	0.18	0.18	0.16	0.16	0.16	0.16	0.14	0.14
115.0	0.30	0.28	0.27	0.27	0.25	0.25	0.25	0.23
120.0	0.58	0.57	0.55	0.51	0.50	0.49	0.48	0.48
125.0	0.74	0.73	0.71	0.71	0.69	0.69	0.67	0.65
130.0	0.99	0.97	0.96	0.96	0.94	0.94	0.92	0.92
135.0	1.81	1.83	1.84	1.91	1.89	1.91	1.92	1.96
140.0	2.25	2.25	2.25	2.27	2.26	2.26	2.29	2.29
145.0	7.01	7.98	8.98	9.95	10.88	11.78	12.35	12.66
150.0	83.24	84.54	86.09	87.45	89.13	91.33	93.31	94.85
152.5	203.85	205.60	207.09	209.05	210.26	213.93	217.14	219.14
155.0	339.51	342.78	344.91	346.77	349.43	354.38	357.72	359.48
157.5	464.54	466.31	468.20	469.44	470.74	475.03	476.96	476.90
160.0	573.28	577.09	581.05	583.97	586.39	590.92	592.50	593.08
162.5	747.55	753.08	756.42	758.68	762.52	769.17	772.42	773.62
165.0	1046.33	1054.03	1059.88	1063.50	1070.03	1082.38	1091.16	1097.84
167.5	1632.90	1646.54	1654.57	1663.94	1678.17	1697.68	1711.00	1720.72
170.0	2592.80	2610.71	2627.11	2646.36	2670.22	2695.80	2712.90	2730.93
170.5	2824.80	2846.44	2860.95	2878.25	2900.11	2918.39	2933.39	2954.84
171.0	3056.81	3076.85	3093.01	3113.68	3135.30	3160.41	3182.10	3199.90
171.5	3318.92	3339.16	3356.96	3380.97	3409.40	3436.00	3457.27	3474.93
172.0	3579.27	3603.25	3624.46	3646.50	3672.88	3700.98	3723.63	3751.73
172.5	3876.80	3899.23	3916.75	3942.11	3969.97	3999.53	4025.25	4049.68
173.0	4206.21	4237.76	4260.42	4290.83	4325.41	4361.68	4385.09	4409.34
173.5	4553.34	4578.05	4607.63	4639.55	4670.24	4706.17	4729.06	4749.60
174.0	4896.92	4921.90	4944.21	4972.33	5007.99	5047.12	5076.55	5093.39
174.5	5277.69	5301.18	5325.08	5356.45	5384.65	5411.03	5431.10	5449.52
175.0	5587.62	5616.67	5643.95	5673.31	5708.26	5739.62	5743.31	5747.47
175.5	5902.87	5919.74	5939.79	5974.23	5998.28	6022.27	6039.65	6050.72
176.0	6168.52	6174.97	6193.11	6220.28	6231.70	6253.69	6272.48	6290.49
176.5	6375.73	6392.97	6398.60	6404.38	6422.68	6446.25	6455.93	6465.03
177.0	6558.15	6571.98	6586.38	6609.72	6629.58	6644.10	6644.67	6648.38
177.5	6703.37	6720.86	6726.32	6737.17	6753.36	6766.00	6769.91	6773.56
178.0	6814.95	6830.75	6832.61	6845.15	6861.23	6871.99	6877.51	6882.87
178.5	6884.02	6887.46	6924.73	6933.65	6949.65	6956.79	6949.83	6948.10
179.0	6946.01	6956.59	6963.70	6977.90	6993.86	7000.95	6999.22	6999.23
179.5	7004.45	7009.76	7007.99	7020.39	7025.69	7025.68	7020.38	7022.15
180.0	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62

G/C [cd/klm]	120.0	122.5	125.0	127.5	130.0	132.5	135.0	137.5
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
95.0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
100.0	0.05	0.07	0.05	0.05	0.05	0.07	0.07	0.07
105.0	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

Intensity [cd/klm] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd/klm]	120.0	122.5	125.0	127.5	130.0	132.5	135.0	137.5
110.0	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
115.0	0.25	0.27	0.27	0.27	0.27	0.27	0.27	0.29
120.0	0.46	0.48	0.46	0.46	0.45	0.43	0.41	0.41
125.0	0.64	0.64	0.62	0.61	0.59	0.59	0.59	0.59
130.0	0.92	0.92	0.89	0.89	0.87	0.88	0.86	0.86
135.0	1.98	2.01	2.03	2.05	2.07	2.06	2.06	2.08
140.0	2.28	2.32	2.33	2.33	2.34	2.34	2.35	2.33
145.0	12.99	13.29	13.53	13.72	13.96	14.08	14.23	14.49
150.0	97.54	99.91	101.13	102.12	103.38	104.33	105.90	107.59
152.5	222.82	226.09	227.54	228.84	231.04	232.46	234.37	237.42
155.0	364.54	368.77	369.80	371.61	373.34	373.66	375.93	379.08
157.5	480.98	483.94	483.22	481.57	480.64	479.42	480.57	483.45
160.0	597.08	598.93	596.81	594.39	591.88	590.91	592.92	596.96
162.5	777.67	781.37	783.76	783.67	783.28	783.29	785.18	790.27
165.0	1107.22	1116.24	1124.72	1127.29	1128.59	1132.25	1138.71	1149.27
167.5	1735.22	1755.10	1769.79	1778.72	1785.45	1794.92	1807.96	1825.49
170.0	2754.79	2775.51	2795.34	2807.09	2815.66	2831.07	2845.43	2867.34
170.5	2984.50	3006.21	3028.58	3040.57	3053.13	3072.66	3092.71	3116.60
171.0	3223.05	3249.33	3270.73	3281.18	3290.59	3305.30	3323.85	3355.09
171.5	3500.47	3526.17	3552.04	3566.34	3576.26	3595.21	3617.72	3643.80
172.0	3777.90	3803.01	3826.23	3839.03	3849.44	3870.80	3891.87	3919.95
172.5	4078.29	4108.24	4134.26	4147.37	4160.11	4178.60	4203.65	4231.97
173.0	4431.70	4459.62	4488.57	4502.04	4517.20	4545.46	4574.56	4604.96
173.5	4776.27	4802.12	4833.98	4851.37	4867.15	4889.05	4911.42	4947.46
174.0	5119.07	5146.40	5175.83	5195.35	5211.74	5238.02	5262.62	5284.59
174.5	5479.54	5511.97	5539.05	5551.80	5563.47	5586.98	5612.03	5632.47
175.0	5776.40	5811.88	5836.39	5845.88	5858.07	5871.52	5882.60	5906.83
175.5	6087.40	6117.11	6131.94	6132.83	6140.18	6156.06	6176.46	6195.54
176.0	6313.58	6331.84	6349.16	6353.83	6354.43	6365.43	6386.10	6405.34
176.5	6488.51	6516.40	6534.33	6537.40	6543.69	6562.28	6577.83	6586.46
177.0	6663.45	6684.99	6703.48	6696.03	6695.45	6705.45	6728.34	6746.05
177.5	6790.67	6809.21	6822.77	6824.35	6827.58	6837.87	6848.39	6851.85
178.0	6891.39	6901.49	6915.35	6911.68	6907.92	6920.19	6929.03	6936.13
178.5	6958.54	6972.48	6979.45	6970.50	6970.41	6977.46	6986.37	6993.51
179.0	7008.02	7016.85	7025.74	7023.97	7023.98	7032.94	7040.12	7041.93
179.5	7030.99	7043.46	7047.11	7029.31	7022.19	7031.15	7038.33	7049.10
180.0	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62

G/C [cd/klm]	140.0	142.5	145.0	147.5	150.0	152.5	155.0	157.5
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
95.0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
100.0	0.07	0.07	0.07	0.07	0.07	0.07	0.05	0.07
105.0	0.11	0.11	0.09	0.11	0.11	0.11	0.11	0.11
110.0	0.14	0.14	0.14	0.14	0.14	0.14	0.16	0.16
115.0	0.27	0.27	0.27	0.25	0.25	0.25	0.23	0.23
120.0	0.41	0.43	0.41	0.43	0.43	0.43	0.42	0.42
125.0	0.59	0.59	0.59	0.57	0.57	0.57	0.55	0.55
130.0	0.88	0.88	0.87	0.87	0.87	0.87	0.87	0.87
135.0	2.09	2.04	2.03	2.01	2.03	1.95	1.95	1.88
140.0	2.33	2.32	2.28	2.26	2.24	2.22	2.18	2.19
145.0	14.83	15.12	15.37	15.51	15.35	15.02	14.47	13.68
150.0	109.93	112.75	114.81	117.04	119.23	121.47	123.94	126.00
152.5	242.07	246.76	249.76	253.64	257.47	260.32	262.76	265.10
155.0	383.52	387.92	389.71	392.73	395.53	397.21	397.67	397.65
157.5	487.72	492.09	494.53	498.56	501.08	502.55	503.73	504.54

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Intensity [cd/klm] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd/klm]	140.0	142.5	145.0	147.5	150.0	152.5	155.0	157.5
160.0	601.42	606.98	611.30	615.77	620.84	624.55	624.49	625.59
162.5	796.94	803.35	808.65	814.98	820.56	824.22	825.63	829.99
165.0	1159.33	1169.12	1178.56	1188.33	1196.72	1202.10	1204.18	1208.00
167.5	1842.39	1861.86	1882.57	1904.95	1924.35	1938.19	1945.88	1955.52
170.0	2895.18	2917.87	2937.94	2961.48	2985.13	3002.15	3013.54	3026.18
170.5	3142.26	3166.24	3185.74	3205.16	3225.01	3245.09	3263.20	3282.79
171.0	3383.98	3412.82	3437.11	3463.06	3484.43	3500.44	3511.08	3528.78
171.5	3666.87	3689.78	3717.00	3744.09	3770.51	3787.71	3801.46	3826.08
172.0	3946.18	3975.67	4005.80	4034.02	4060.14	4076.76	4095.37	4121.63
172.5	4257.72	4286.58	4316.00	4352.40	4385.30	4410.13	4430.02	4450.79
173.0	4628.35	4656.45	4681.46	4704.57	4737.12	4761.24	4777.05	4794.11
173.5	4975.70	4994.16	5016.61	5044.30	5069.40	5087.52	5106.38	5130.35
174.0	5308.73	5330.08	5353.55	5380.47	5399.90	5412.03	5430.40	5448.90
174.5	5645.33	5662.42	5679.79	5705.96	5730.39	5745.41	5761.50	5781.60
175.0	5924.65	5948.32	5973.94	6001.22	6014.69	6020.27	6028.86	6047.05
175.5	6198.59	6212.76	6237.78	6260.91	6277.67	6279.16	6282.05	6294.81
176.0	6408.07	6418.25	6437.45	6453.00	6467.79	6477.77	6483.90	6496.56
176.5	6579.96	6584.42	6597.89	6607.75	6618.82	6624.95	6634.40	6648.75
177.0	6744.68	6750.60	6761.91	6773.16	6785.85	6789.87	6795.52	6804.49
177.5	6843.15	6847.08	6861.74	6870.99	6883.58	6889.17	6899.99	6903.59
178.0	6938.05	6945.36	6956.22	6965.26	6974.20	6970.74	6976.13	6981.46
178.5	6988.18	6986.46	6991.88	7004.39	7015.07	7015.07	7013.31	7020.39
179.0	7031.15	7027.55	7027.53	7023.96	7027.50	7034.58	7048.72	7054.01
179.5	7031.15	7034.70	7043.58	7038.18	7048.83	7046.99	7059.34	7052.24
180.0	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62

G/C [cd/klm]	160.0	162.5	165.0	167.5	170.0	172.5	175.0	177.5
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
95.0	0.04	0.04	0.04	0.04	0.03	0.03	0.03	0.03
100.0	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
105.0	0.11	0.11	0.11	0.11	0.10	0.10	0.10	0.10
110.0	0.16	0.16	0.16	0.18	0.17	0.17	0.17	0.17
115.0	0.25	0.25	0.25	0.25	0.24	0.26	0.26	0.26
120.0	0.42	0.44	0.44	0.44	0.44	0.43	0.43	0.43
125.0	0.55	0.56	0.56	0.56	0.56	0.57	0.57	0.59
130.0	0.87	0.86	0.88	0.88	0.87	0.89	0.88	0.88
135.0	1.88	1.84	1.83	1.80	1.80	1.77	1.79	1.75
140.0	2.16	2.15	2.13	2.12	2.11	2.10	2.10	2.12
145.0	12.87	12.16	11.41	10.72	10.30	10.00	9.72	9.61
150.0	128.69	131.65	134.50	136.94	138.28	138.29	139.16	140.68
152.5	268.18	271.43	274.80	277.56	280.22	282.14	284.39	287.79
155.0	400.23	405.20	410.71	415.02	418.32	420.07	422.51	426.39
157.5	507.68	512.32	518.13	523.42	527.44	528.61	531.65	535.85
160.0	631.41	638.51	646.30	651.95	657.34	660.64	664.56	668.90
162.5	837.28	844.99	853.94	860.52	863.71	867.11	872.77	878.63
165.0	1215.03	1221.42	1229.49	1237.01	1244.50	1251.52	1258.67	1268.94
167.5	1968.40	1983.64	2000.80	2020.83	2039.24	2045.58	2054.40	2064.30
170.0	3044.65	3058.40	3075.04	3094.29	3112.99	3124.03	3133.65	3143.29
170.5	3303.09	3316.06	3331.73	3346.45	3360.91	3377.98	3386.98	3401.76
171.0	3554.45	3571.96	3593.70	3616.13	3635.02	3649.34	3666.34	3682.78
171.5	3857.14	3877.27	3896.11	3917.33	3935.32	3948.52	3966.52	3984.62
172.0	4149.22	4171.99	4193.24	4209.77	4235.62	4256.40	4277.11	4296.87
172.5	4474.92	4491.42	4511.47	4535.48	4558.61	4572.98	4587.70	4609.11
173.0	4821.87	4846.15	4870.13	4883.96	4904.31	4927.82	4953.81	4968.20
173.5	5161.74	5172.64	5184.84	5200.92	5220.32	5246.14	5262.66	5276.98

Intensity [cd/klm] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd/klm]	160.0	162.5	165.0	167.5	170.0	172.5	175.0	177.5
174.0	5469.74	5479.71	5496.04	5514.38	5532.84	5547.06	5562.84	5578.81
174.5	5807.84	5815.02	5819.54	5831.33	5852.34	5870.59	5882.11	5891.06
175.0	6064.51	6067.39	6083.27	6090.51	6102.01	6112.38	6118.08	6133.92
175.5	6319.41	6330.35	6336.45	6342.67	6356.92	6362.86	6373.15	6376.78
176.0	6519.44	6517.42	6521.05	6531.80	6548.97	6557.67	6555.34	6560.66
176.5	6668.13	6669.19	6675.77	6685.90	6695.63	6695.09	6694.15	6704.64
177.0	6816.82	6815.67	6818.18	6822.49	6831.81	6830.76	6831.22	6836.48
177.5	6910.64	6914.50	6913.13	6910.04	6917.36	6915.99	6909.31	6923.21
178.0	6995.61	6993.91	6997.52	6992.35	6995.93	6997.75	7001.26	6996.07
178.5	7023.93	7015.09	7032.68	7039.63	7041.32	7023.84	7018.62	7023.82
179.0	7064.65	7048.62	7043.23	7050.14	7067.51	7069.06	7060.26	7060.25
179.5	7052.25	7046.86	7036.20	7036.13	7046.55	7049.93	7041.18	7074.13
180.0	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62

G/C [cd/klm]	180.0	182.5	185.0	187.5	190.0	192.5	195.0	197.5
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
95.0	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04
100.0	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
105.0	0.10	0.10	0.10	0.11	0.11	0.09	0.11	0.09
110.0	0.17	0.19	0.17	0.18	0.18	0.16	0.16	0.16
115.0	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.25
120.0	0.45	0.45	0.45	0.46	0.46	0.46	0.44	0.42
125.0	0.59	0.59	0.59	0.60	0.58	0.58	0.58	0.58
130.0	0.90	0.90	0.91	0.91	0.91	0.91	0.92	0.92
135.0	1.79	1.77	1.80	1.79	1.79	1.81	1.81	1.84
140.0	2.14	2.14	2.15	2.17	2.17	2.20	2.20	2.26
145.0	9.60	9.76	10.09	10.48	10.93	11.45	12.08	13.03
150.0	142.77	145.45	149.19	153.38	156.96	160.54	164.50	167.78
152.5	292.31	296.30	301.17	303.95	305.16	306.85	311.04	315.43
155.0	430.91	435.14	440.74	442.61	444.06	446.30	450.71	455.66
157.5	540.16	545.45	552.50	556.02	556.65	559.07	562.72	565.69
160.0	672.51	676.11	681.75	683.98	685.73	688.51	692.70	697.09
162.5	883.36	889.25	897.05	899.41	901.09	906.13	914.62	921.92
165.0	1277.98	1282.80	1291.27	1298.55	1304.46	1312.74	1322.71	1328.31
167.5	2070.33	2079.14	2097.02	2099.98	2092.26	2095.40	2099.42	2099.93
170.0	3148.91	3152.64	3167.39	3167.50	3163.82	3161.54	3161.46	3157.85
170.5	3409.44	3410.14	3420.99	3419.91	3419.87	3421.49	3429.17	3433.37
171.0	3687.34	3692.00	3707.82	3707.39	3700.47	3699.00	3703.93	3703.58
171.5	3999.97	4005.17	4015.64	4014.15	4010.89	4016.91	4020.96	4025.02
172.0	4314.34	4320.09	4332.20	4336.68	4335.34	4336.58	4336.22	4334.09
172.5	4628.71	4635.00	4648.76	4652.20	4658.04	4665.03	4663.81	4662.59
173.0	4972.61	4974.28	4986.31	4988.76	4993.01	5000.50	5001.98	5001.69
173.5	5292.19	5296.15	5304.63	5311.29	5317.46	5318.41	5319.00	5314.30
174.0	5583.98	5581.49	5603.70	5616.30	5615.60	5611.73	5602.57	5591.58
174.5	5901.82	5901.63	5920.27	5924.81	5917.25	5920.86	5912.55	5909.49
175.0	6146.72	6131.29	6138.89	6129.90	6136.47	6147.44	6155.60	6144.38
175.5	6370.77	6362.69	6373.25	6371.80	6376.74	6386.31	6384.57	6375.75
176.0	6567.04	6562.78	6574.38	6566.37	6557.38	6554.93	6555.41	6550.59
176.5	6711.19	6703.71	6719.54	6722.38	6706.45	6702.46	6694.55	6688.35
177.0	6839.72	6835.93	6841.97	6843.33	6839.73	6837.71	6824.88	6810.21
177.5	6930.04	6924.67	6943.41	6936.24	6925.67	6934.31	6925.27	6917.95
178.0	6997.78	7002.96	7016.87	7006.35	6994.06	6999.30	7001.01	6981.53
178.5	7035.98	7032.54	7048.35	7057.19	7058.96	7066.04	7055.61	7036.28
179.0	7070.73	7070.82	7086.83	7078.22	7072.99	7069.56	7069.70	7068.07
179.5	7084.62	7063.86	7064.09	7069.45	7067.73	7066.04	7066.17	7066.30

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Intensity [cd/klm] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd/klm]	180.0	182.5	185.0	187.5	190.0	192.5	195.0	197.5
180.0	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62

G/C [cd/klm]	200.0	202.5	205.0	207.5	210.0	212.5	215.0	217.5
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
95.0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
100.0	0.07	0.05	0.05	0.05	0.05	0.05	0.07	0.05
105.0	0.11	0.09	0.11	0.11	0.09	0.11	0.09	0.09
110.0	0.16	0.14	0.14	0.14	0.14	0.14	0.14	0.14
115.0	0.25	0.23	0.23	0.25	0.25	0.25	0.25	0.25
120.0	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.41
125.0	0.57	0.57	0.57	0.57	0.59	0.59	0.59	0.59
130.0	0.92	0.92	0.92	0.92	0.94	0.94	0.94	0.94
135.0	1.84	1.90	1.88	1.90	1.92	1.99	1.99	2.03
140.0	2.28	2.31	2.35	2.42	2.44	2.46	2.49	2.56
145.0	14.22	15.53	16.58	17.52	18.35	19.02	19.47	19.66
150.0	169.67	171.07	172.93	174.27	175.69	177.02	179.07	180.09
152.5	318.61	321.56	325.43	328.79	330.93	333.76	338.92	342.04
155.0	459.41	461.58	464.06	467.49	467.67	468.62	472.42	474.66
157.5	567.79	569.65	571.41	569.92	569.38	570.39	575.30	577.77
160.0	700.45	702.22	704.17	704.88	707.73	711.29	715.92	718.57
162.5	927.85	933.10	937.00	938.72	942.99	948.27	954.98	958.22
165.0	1334.65	1338.77	1341.34	1342.02	1346.11	1350.88	1356.02	1357.68
167.5	2103.99	2104.70	2100.79	2096.52	2096.52	2092.24	2089.74	2088.87
170.0	3152.45	3146.40	3138.74	3126.10	3120.77	3113.46	3106.13	3093.31
170.5	3430.50	3425.02	3412.45	3398.17	3394.62	3387.44	3376.70	3363.53
171.0	3703.24	3700.08	3695.04	3688.02	3682.69	3672.10	3659.72	3646.20
171.5	4027.34	4028.39	4018.51	4009.88	4004.54	3997.68	3992.59	3983.97
172.0	4335.50	4335.40	4331.32	4322.84	4317.51	4309.02	4300.53	4289.75
172.5	4661.37	4658.38	4658.34	4648.26	4646.48	4639.94	4629.83	4613.30
173.0	5006.72	5006.20	5001.37	4991.45	4984.34	4977.97	4971.60	4959.97
173.5	5306.03	5295.46	5287.51	5284.86	5281.30	5280.42	5274.20	5249.74
174.0	5587.62	5582.95	5586.10	5581.82	5581.82	5577.53	5567.90	5553.74
174.5	5904.64	5898.83	5895.35	5889.45	5885.89	5878.20	5870.51	5854.18
175.0	6131.33	6131.31	6126.41	6113.51	6108.17	6104.15	6101.91	6094.18
175.5	6361.56	6356.69	6359.23	6355.34	6357.12	6362.12	6345.77	6325.29
176.0	6545.75	6537.70	6533.41	6526.05	6522.50	6522.24	6514.87	6501.29
176.5	6680.35	6681.44	6686.26	6684.31	6673.64	6661.02	6653.71	6636.40
177.0	6811.41	6810.99	6814.23	6812.35	6801.68	6798.01	6797.90	6791.07
177.5	6914.13	6912.14	6908.42	6897.70	6890.59	6894.08	6892.24	6871.06
178.0	6961.95	6952.96	6959.97	6958.16	6963.49	6979.48	6974.12	6963.51
178.5	7015.08	7011.52	7023.95	7029.29	7032.84	7034.63	7027.52	7013.29
179.0	7057.58	7048.79	7043.50	7045.29	7048.85	7052.42	7048.88	7036.40
179.5	7057.58	7041.69	7047.06	7057.74	7059.52	7057.76	7050.66	7039.95
180.0	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62

G/C [cd/klm]	220.0	222.5	225.0	227.5	230.0	232.5	235.0	237.5
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
95.0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
100.0	0.05	0.05	0.05	0.05	0.07	0.05	0.05	0.05
105.0	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
110.0	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
115.0	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
120.0	0.39	0.39	0.39	0.41	0.41	0.43	0.43	0.43
125.0	0.59	0.59	0.59	0.59	0.61	0.59	0.59	0.60

Intensity [cd/klm] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd/klm]	220.0	222.5	225.0	227.5	230.0	232.5	235.0	237.5
130.0	0.94	0.94	0.95	0.97	0.95	0.95	0.94	0.96
135.0	1.99	2.06	2.05	2.11	2.06	2.11	2.05	2.08
140.0	2.58	2.58	2.60	2.59	2.56	2.52	2.49	2.49
145.0	19.81	19.90	19.85	19.75	19.46	19.01	18.28	17.06
150.0	179.95	180.80	181.35	181.59	181.77	182.96	183.70	185.14
152.5	341.96	342.39	343.26	343.87	344.59	345.75	346.39	348.80
155.0	475.01	476.03	478.07	478.99	480.06	482.66	484.34	488.50
157.5	577.51	578.54	580.61	582.65	584.80	588.16	591.68	596.96
160.0	720.34	725.71	730.57	732.60	733.85	736.13	738.17	742.33
162.5	961.57	966.13	969.52	972.10	972.99	973.54	974.03	977.35
165.0	1360.74	1363.15	1365.39	1366.91	1366.37	1365.88	1365.28	1364.85
167.5	2087.29	2083.88	2084.54	2082.17	2075.02	2068.81	2066.60	2060.85
170.0	3083.86	3073.32	3063.51	3050.87	3036.58	3023.79	3011.79	3003.42
170.5	3352.10	3338.47	3323.86	3313.60	3301.09	3287.97	3278.80	3269.68
171.0	3634.55	3621.42	3607.38	3597.78	3587.06	3573.57	3558.26	3544.81
171.5	3970.29	3954.20	3935.49	3923.06	3910.55	3900.22	3885.78	3873.20
172.0	4274.06	4269.19	4251.12	4242.98	4228.69	4212.60	4197.29	4185.61
172.5	4600.92	4587.73	4575.65	4573.63	4564.69	4546.39	4524.81	4508.67
173.0	4943.77	4934.74	4928.73	4920.36	4904.28	4889.11	4871.92	4853.04
173.5	5240.43	5230.15	5221.17	5217.05	5208.11	5190.78	5167.40	5154.80
174.0	5538.86	5529.12	5517.18	5508.37	5497.65	5487.09	5470.00	5454.78
174.5	5839.08	5831.65	5823.88	5817.57	5806.85	5795.89	5781.51	5772.52
175.0	6086.00	6079.01	6066.40	6057.07	6051.70	6038.65	6021.81	6012.15
175.5	6306.28	6299.67	6289.30	6276.90	6289.41	6283.20	6254.99	6255.34
176.0	6487.47	6482.97	6476.53	6475.29	6475.29	6470.62	6454.35	6447.05
176.5	6629.58	6636.01	6633.45	6634.35	6627.21	6611.64	6594.97	6592.60
177.0	6778.80	6771.26	6761.84	6764.83	6768.40	6761.58	6739.16	6722.18
177.5	6862.29	6862.02	6861.70	6855.98	6852.40	6849.04	6837.06	6835.79
178.0	6949.34	6954.56	6954.42	6947.13	6947.13	6940.08	6931.40	6942.29
178.5	7011.51	7013.28	7007.92	7000.75	6995.38	6988.27	6981.24	6979.57
179.0	7025.72	7029.30	7031.10	7027.55	7023.98	7023.97	7015.06	7007.97
179.5	7034.61	7036.42	7036.45	7036.49	7040.07	7047.18	7032.86	7029.27
180.0	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62

G/C [cd/klm]	240.0	242.5	245.0	247.5	250.0	252.5	255.0	257.5
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
95.0	0.04	0.04	0.02	0.04	0.02	0.04	0.02	0.04
100.0	0.05	0.05	0.05	0.05	0.05	0.05	0.04	0.05
105.0	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.07
110.0	0.14	0.14	0.14	0.14	0.14	0.14	0.16	0.16
115.0	0.25	0.25	0.23	0.23	0.25	0.25	0.26	0.26
120.0	0.42	0.44	0.44	0.44	0.46	0.46	0.47	0.49
125.0	0.60	0.60	0.60	0.62	0.62	0.62	0.63	0.63
130.0	0.94	0.95	0.93	0.95	0.95	0.97	0.97	0.97
135.0	2.00	2.05	2.01	2.02	1.97	2.00	1.97	1.99
140.0	2.46	2.40	2.38	2.36	2.32	2.30	2.29	2.29
145.0	15.83	14.76	14.05	13.49	12.80	12.04	11.24	10.61
150.0	185.02	184.33	182.08	177.31	169.49	161.18	153.88	148.71
152.5	349.52	349.78	350.58	350.05	347.94	344.69	342.75	341.60
155.0	490.84	493.90	497.58	498.31	497.74	497.96	500.68	503.34
157.5	600.51	603.26	605.98	606.78	606.04	606.59	608.48	610.35
160.0	744.49	746.31	748.57	748.88	747.93	747.39	748.11	750.44
162.5	978.33	978.44	978.94	975.85	974.03	974.13	975.68	978.88
165.0	1361.27	1359.27	1360.54	1355.65	1349.40	1343.79	1339.01	1336.50
167.5	2051.81	2046.14	2042.84	2031.98	2027.17	2021.39	2013.61	2008.09

Intensity [cd/klm] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd/klm]	240.0	242.5	245.0	247.5	250.0	252.5	255.0	257.5
170.0	2994.59	2982.78	2973.48	2958.17	2941.42	2921.35	2906.98	2896.85
170.5	3254.60	3240.31	3225.53	3202.93	3182.29	3167.43	3151.43	3137.97
171.0	3528.77	3513.72	3505.78	3488.18	3463.60	3441.64	3420.50	3401.95
171.5	3854.23	3832.99	3816.00	3796.32	3774.79	3752.75	3731.77	3713.46
172.0	4160.23	4141.67	4135.03	4116.79	4089.50	4065.63	4039.53	4023.21
172.5	4489.23	4473.29	4462.87	4442.54	4421.80	4392.57	4368.39	4354.08
173.0	4832.38	4819.02	4813.62	4798.23	4771.67	4749.39	4725.39	4709.59
173.5	5141.92	5134.76	5127.36	5106.37	5084.63	5062.26	5043.70	5014.06
174.0	5439.08	5425.80	5419.95	5409.23	5387.03	5362.83	5340.90	5323.80
174.5	5762.77	5748.60	5733.69	5706.81	5680.65	5659.89	5648.66	5645.87
175.0	5992.71	5983.20	5973.40	5956.85	5933.82	5911.25	5910.69	5906.34
175.5	6252.73	6238.97	6234.27	6212.17	6183.48	6167.88	6158.66	6152.73
176.0	6427.84	6411.83	6407.00	6395.29	6383.92	6364.74	6355.62	6353.37
176.5	6583.49	6572.35	6560.35	6546.72	6531.60	6522.94	6519.17	6510.00
177.0	6709.08	6704.64	6703.12	6698.15	6686.32	6672.34	6663.38	6659.59
177.5	6825.82	6821.06	6821.21	6814.37	6797.09	6784.84	6779.44	6782.79
178.0	6931.95	6919.84	6921.68	6909.45	6895.54	6885.03	6881.44	6877.83
178.5	6970.86	6965.70	6969.27	6969.32	6957.08	6950.07	6944.75	6941.18
179.0	7002.70	6999.22	7011.57	7009.82	7006.31	7001.04	6995.75	6995.74
179.5	7025.69	7018.62	7022.14	7018.62	7022.13	7030.92	7032.68	7036.22
180.0	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62

G/C [cd/klm]	260.0	262.5	265.0	267.5	270.0	272.5	275.0	277.5
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
95.0	0.02	0.04	0.04	0.04	0.04	0.04	0.04	0.02
100.0	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
105.0	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
110.0	0.18	0.18	0.18	0.18	0.18	0.18	0.16	0.16
115.0	0.26	0.28	0.28	0.28	0.27	0.27	0.27	0.25
120.0	0.49	0.51	0.49	0.51	0.50	0.51	0.50	0.50
125.0	0.65	0.65	0.65	0.65	0.66	0.64	0.64	0.64
130.0	0.97	0.97	0.97	0.97	0.96	0.96	0.94	0.94
135.0	1.94	1.96	1.94	1.96	1.93	1.90	1.88	1.90
140.0	2.27	2.26	2.26	2.27	2.23	2.22	2.20	2.20
145.0	10.21	9.86	9.40	9.08	8.90	8.87	8.90	9.07
150.0	144.56	142.10	140.58	138.07	135.76	134.77	134.12	133.51
152.5	340.01	337.97	335.21	331.90	328.78	326.64	325.26	324.98
155.0	506.41	508.28	509.18	508.56	507.79	505.74	502.55	498.49
157.5	611.88	613.01	615.14	615.30	612.36	609.47	606.47	603.73
160.0	752.22	752.81	754.32	753.02	749.89	747.08	743.79	740.62
162.5	980.42	977.07	975.44	973.05	970.55	965.55	959.62	956.44
165.0	1335.23	1332.15	1325.84	1319.29	1313.16	1305.84	1300.51	1296.88
167.5	2002.05	1992.22	1983.37	1975.48	1962.02	1947.06	1934.52	1923.54
170.0	2880.70	2868.45	2857.61	2841.08	2823.40	2800.00	2783.64	2766.20
170.5	3123.69	3108.22	3092.50	3076.51	3059.13	3041.17	3025.24	3006.20
171.0	3386.05	3376.20	3364.49	3347.34	3324.98	3301.84	3284.59	3263.98
171.5	3695.96	3681.20	3664.73	3642.96	3619.20	3589.11	3572.37	3557.31
172.0	4004.10	3984.45	3968.50	3945.65	3931.14	3902.98	3881.47	3859.53
172.5	4340.42	4321.18	4295.24	4273.13	4250.16	4227.49	4203.00	4175.97
173.0	4692.58	4677.32	4655.53	4632.47	4609.96	4582.14	4558.28	4533.30
173.5	5000.72	4985.85	4964.60	4945.78	4927.21	4901.33	4876.26	4853.30
174.0	5312.39	5299.67	5282.51	5260.87	5235.61	5204.56	5181.81	5157.30
174.5	5632.86	5611.72	5591.58	5570.64	5551.09	5520.20	5494.46	5480.85
175.0	5895.22	5876.18	5854.74	5836.16	5816.95	5793.29	5768.02	5747.52
175.5	6136.45	6114.18	6094.93	6083.98	6072.17	6046.86	6027.38	6008.85

Intensity [cd/klm] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd/klm]	260.0	262.5	265.0	267.5	270.0	272.5	275.0	277.5
176.0	6342.47	6325.75	6305.10	6291.09	6270.68	6250.79	6240.55	6232.85
176.5	6495.66	6487.95	6472.88	6464.56	6453.23	6442.30	6427.07	6415.96
177.0	6650.61	6641.33	6635.37	6629.19	6626.92	6619.63	6604.71	6586.62
177.5	6761.54	6752.40	6751.93	6751.33	6747.44	6736.67	6727.29	6718.18
178.0	6867.19	6858.18	6854.37	6855.77	6850.24	6837.75	6824.99	6812.40
178.5	6934.10	6919.89	6921.48	6924.80	6922.91	6926.41	6926.25	6919.06
179.0	6986.93	6978.07	6974.47	6977.90	6979.63	6974.29	6968.88	6963.51
179.5	7022.14	7011.57	7006.26	7004.46	7013.30	7015.07	7013.29	7013.29
180.0	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62

G/C [cd/klm]	280.0	282.5	285.0	287.5	290.0	292.5	295.0	297.5
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
95.0	0.04	0.04	0.04	0.04	0.04	0.03	0.03	0.03
100.0	0.05	0.05	0.05	0.05	0.05	0.05	0.07	0.05
105.0	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
110.0	0.16	0.14	0.14	0.14	0.14	0.14	0.14	0.14
115.0	0.25	0.23	0.23	0.23	0.23	0.23	0.23	0.23
120.0	0.48	0.48	0.46	0.46	0.46	0.45	0.45	0.45
125.0	0.62	0.60	0.60	0.60	0.58	0.59	0.59	0.59
130.0	0.92	0.90	0.90	0.90	0.88	0.87	0.87	0.87
135.0	1.88	1.86	1.84	1.87	1.86	1.85	1.83	1.89
140.0	2.20	2.18	2.20	2.21	2.20	2.20	2.22	2.24
145.0	9.22	9.37	9.61	9.92	10.17	10.27	10.50	10.85
150.0	133.73	135.34	139.88	145.91	150.88	155.13	157.95	158.61
152.5	324.11	323.88	325.79	327.46	326.17	323.38	321.84	320.54
155.0	494.07	490.26	487.80	486.08	482.13	477.82	475.42	471.81
157.5	600.10	597.39	594.03	592.65	590.33	587.65	585.32	582.56
160.0	735.78	730.77	726.47	722.68	718.20	714.63	713.04	711.12
162.5	952.98	948.76	944.61	939.17	934.24	928.88	927.25	925.28
165.0	1289.88	1280.10	1271.46	1264.52	1257.24	1248.59	1243.50	1239.18
167.5	1909.16	1894.34	1878.60	1863.16	1851.26	1836.42	1829.35	1823.65
170.0	2749.20	2727.99	2709.00	2687.12	2667.99	2647.94	2634.82	2620.19
170.5	2987.18	2963.89	2942.72	2920.01	2901.59	2882.30	2863.71	2847.28
171.0	3244.69	3221.08	3194.14	3170.55	3151.00	3128.91	3108.32	3091.83
171.5	3537.73	3513.74	3489.83	3466.97	3444.32	3417.49	3393.12	3369.57
172.0	3837.86	3818.82	3792.60	3765.14	3739.40	3711.32	3686.65	3668.27
172.5	4153.99	4132.77	4109.54	4080.96	4055.55	4029.63	4006.40	3986.19
173.0	4507.40	4483.97	4458.35	4428.54	4398.05	4368.93	4347.11	4330.30
173.5	4819.97	4789.05	4771.74	4749.65	4719.48	4685.49	4666.85	4646.47
174.0	5128.99	5110.09	5088.68	5063.71	5037.39	5005.55	4981.35	4962.64
174.5	5464.65	5427.59	5400.30	5386.59	5371.10	5339.61	5315.07	5292.79
175.0	5725.72	5700.74	5683.59	5660.06	5631.05	5605.45	5591.13	5572.27
175.5	5992.11	5980.99	5966.89	5947.65	5926.13	5901.03	5879.43	5851.76
176.0	6215.88	6192.07	6172.28	6157.61	6143.93	6131.89	6125.79	6110.29
176.5	6407.69	6390.72	6375.89	6356.98	6340.64	6322.53	6310.99	6297.19
177.0	6588.83	6568.09	6563.58	6538.71	6528.58	6513.17	6494.45	6480.61
177.5	6707.82	6697.57	6692.83	6681.63	6665.58	6640.84	6625.49	6613.36
178.0	6807.28	6796.90	6784.90	6773.37	6762.18	6747.53	6733.82	6730.40
178.5	6910.28	6903.33	6894.68	6881.00	6876.35	6868.21	6854.38	6852.68
179.0	6965.34	6967.18	6960.19	6956.87	6958.90	6953.91	6952.23	6936.52
179.5	7013.29	7007.98	7006.22	6995.68	6979.98	6973.14	6973.20	6969.71
180.0	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62

Intensity [cd/klm] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd/klm]	300.0	302.5	305.0	307.5	310.0	312.5	315.0	317.5
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
95.0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
100.0	0.05	0.07	0.07	0.07	0.07	0.05	0.07	0.07
105.0	0.09	0.09	0.09	0.11	0.11	0.11	0.11	0.11
110.0	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.16
115.0	0.23	0.25	0.26	0.30	0.30	0.28	0.28	0.28
120.0	0.44	0.44	0.44	0.46	0.44	0.46	0.46	0.48
125.0	0.60	0.62	0.62	0.62	0.64	0.64	0.64	0.66
130.0	0.88	0.88	0.88	0.88	0.90	0.91	0.91	0.92
135.0	1.86	1.85	1.87	1.93	1.88	1.88	1.92	1.92
140.0	2.24	2.30	2.33	2.37	2.37	2.40	2.42	2.45
145.0	11.27	11.62	11.92	12.19	12.21	12.19	12.16	12.08
150.0	157.74	155.73	153.25	151.23	149.59	148.69	147.77	145.98
152.5	319.16	316.92	313.90	310.96	309.81	309.98	309.05	306.00
155.0	470.07	467.91	465.03	463.25	463.12	464.89	465.18	463.53
157.5	581.24	578.82	576.13	573.62	573.54	575.38	575.79	577.01
160.0	710.62	707.84	705.04	703.63	702.93	704.35	703.11	700.26
162.5	925.25	922.11	917.18	913.23	910.29	908.64	906.53	900.77
165.0	1238.46	1236.39	1232.14	1225.78	1219.57	1214.00	1210.08	1200.91
167.5	1817.24	1805.19	1791.69	1781.19	1768.83	1762.20	1753.32	1744.00
170.0	2612.07	2603.20	2590.54	2577.15	2564.63	2563.37	2560.63	2553.84
170.5	2839.66	2826.43	2812.74	2800.02	2786.18	2778.32	2768.68	2756.30
171.0	3079.51	3065.48	3050.81	3033.50	3018.36	3005.70	2994.52	2981.85
171.5	3357.87	3343.20	3329.44	3314.74	3300.17	3288.15	3273.70	3257.12
172.0	3657.24	3645.53	3625.70	3606.59	3585.52	3572.37	3558.21	3544.83
172.5	3975.87	3961.92	3941.36	3923.21	3899.23	3883.25	3865.84	3848.52
173.0	4313.76	4301.17	4276.42	4257.51	4230.67	4217.21	4205.48	4189.50
173.5	4635.89	4615.80	4595.61	4577.67	4555.01	4540.52	4525.56	4505.63
174.0	4949.27	4932.19	4913.03	4890.75	4863.41	4844.29	4827.86	4811.09
174.5	5280.16	5267.92	5248.09	5219.74	5193.07	5167.59	5153.27	5139.65
175.0	5556.77	5543.88	5530.25	5509.83	5485.51	5462.48	5453.79	5439.78
175.5	5840.39	5833.91	5821.22	5803.45	5781.50	5769.80	5757.86	5743.48
176.0	6099.49	6078.23	6061.05	6042.24	6024.32	6016.72	6010.37	5999.21
176.5	6293.82	6283.89	6270.91	6263.34	6247.63	6222.78	6218.42	6205.23
177.0	6479.40	6484.27	6468.42	6454.37	6439.05	6428.85	6424.69	6413.01
177.5	6612.45	6614.34	6609.49	6606.49	6595.02	6588.73	6582.96	6578.18
178.0	6729.75	6730.35	6724.12	6721.46	6724.40	6727.29	6719.88	6716.70
178.5	6859.30	6853.39	6842.27	6839.97	6821.89	6821.44	6824.79	6825.04
179.0	6932.83	6936.00	6933.97	6930.18	6919.37	6920.92	6919.04	6913.84
179.5	6980.10	6986.98	6985.11	6977.94	6970.77	6970.66	6977.72	6979.55
180.0	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62

G/C [cd/klm]	320.0	322.5	325.0	327.5	330.0	332.5	335.0	337.5
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
95.0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
100.0	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
105.0	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
110.0	0.16	0.16	0.16	0.16	0.16	0.16	0.16	0.16
115.0	0.28	0.28	0.26	0.26	0.25	0.25	0.26	0.26
120.0	0.48	0.49	0.51	0.51	0.49	0.49	0.49	0.49
125.0	0.64	0.65	0.65	0.67	0.67	0.67	0.68	0.67
130.0	0.92	0.92	0.92	0.93	0.93	0.93	0.93	0.93
135.0	1.88	1.83	1.81	1.81	1.79	1.75	1.73	1.72
140.0	2.42	2.40	2.38	2.36	2.30	2.28	2.26	2.24
145.0	11.80	11.57	11.44	11.26	11.03	10.78	10.42	9.88

Intensity [cd/klm] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd/klm]	320.0	322.5	325.0	327.5	330.0	332.5	335.0	337.5
150.0	143.17	140.34	138.33	136.36	133.34	130.56	128.04	126.00
152.5	300.49	295.31	291.45	288.03	283.20	278.12	274.30	270.93
155.0	458.53	453.80	449.49	445.50	439.74	434.79	430.37	426.73
157.5	571.97	566.64	562.83	560.40	556.04	552.55	550.52	549.05
160.0	693.90	686.88	680.21	674.24	670.94	668.92	665.60	660.15
162.5	890.33	881.51	874.16	867.25	859.63	851.17	843.56	836.98
165.0	1188.88	1177.70	1167.19	1158.10	1148.98	1138.05	1128.37	1117.37
167.5	1723.69	1708.38	1696.58	1687.36	1676.04	1664.84	1653.50	1642.06
170.0	2537.75	2522.89	2511.43	2500.24	2489.46	2476.23	2466.24	2456.96
170.5	2739.49	2727.41	2715.58	2704.34	2693.25	2681.27	2672.92	2665.50
171.0	2964.24	2951.31	2939.09	2926.04	2914.62	2898.58	2884.87	2872.29
171.5	3235.01	3215.77	3199.56	3188.20	3178.14	3163.20	3149.36	3135.16
172.0	3523.47	3506.67	3488.19	3466.20	3450.45	3429.57	3412.09	3399.78
172.5	3822.55	3797.56	3778.58	3763.56	3745.61	3723.99	3708.11	3687.19
173.0	4165.87	4143.12	4123.53	4106.66	4082.92	4056.96	4037.41	4021.91
173.5	4480.87	4455.17	4436.80	4421.61	4402.67	4372.40	4352.70	4335.60
174.0	4790.57	4776.05	4758.86	4743.60	4724.17	4694.85	4667.98	4645.78
174.5	5125.04	5111.02	5077.41	5067.34	5050.94	5026.07	5004.29	4989.27
175.0	5409.96	5377.24	5364.28	5369.98	5347.85	5316.98	5309.06	5304.71
175.5	5724.97	5706.92	5693.39	5684.93	5667.60	5641.18	5624.35	5609.64
176.0	5979.81	5960.80	5945.06	5943.57	5936.40	5918.07	5901.10	5879.52
176.5	6185.09	6170.60	6149.21	6145.91	6138.44	6126.62	6121.80	6109.09
177.0	6392.15	6375.11	6376.25	6372.89	6363.31	6347.43	6340.75	6333.41
177.5	6560.27	6546.13	6538.16	6545.32	6544.27	6534.94	6526.42	6513.91
178.0	6707.15	6695.98	6682.47	6682.56	6681.30	6668.13	6657.79	6645.35
178.5	6813.33	6798.24	6802.15	6798.68	6809.55	6797.81	6785.65	6776.78
179.0	6903.59	6895.21	6895.43	6907.77	6918.48	6887.19	6864.48	6860.90
179.5	6979.69	6971.02	6976.38	6976.39	6979.97	6966.05	6962.56	6953.78
180.0	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62

G/C [cd/klm]	340.0	342.5	345.0	347.5	350.0	352.5	355.0	357.5
90.0	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
95.0	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
100.0	0.07	0.07	0.09	0.07	0.07	0.07	0.07	0.07
105.0	0.11	0.11	0.11	0.11	0.11	0.11	0.11	0.11
110.0	0.16	0.18	0.18	0.20	0.20	0.20	0.20	0.20
115.0	0.26	0.26	0.28	0.30	0.30	0.32	0.32	0.32
120.0	0.49	0.49	0.51	0.53	0.54	0.56	0.54	0.54
125.0	0.69	0.71	0.71	0.73	0.73	0.74	0.74	0.74
130.0	0.93	0.95	0.96	0.96	0.97	0.97	0.96	0.96
135.0	1.70	1.71	1.70	1.69	1.68	1.65	1.62	1.62
140.0	2.27	2.28	2.27	2.25	2.26	2.23	2.22	2.20
145.0	9.26	8.55	7.86	7.08	6.21	5.44	4.90	4.55
150.0	124.56	123.95	122.45	120.33	117.96	115.00	112.65	109.88
152.5	269.50	268.91	266.37	263.84	260.27	256.24	252.70	248.63
155.0	425.16	424.65	421.65	417.16	411.52	406.99	401.76	396.40
157.5	548.14	549.66	548.00	544.62	541.84	536.91	531.53	525.22
160.0	657.24	657.01	656.43	654.62	651.56	648.49	643.46	636.73
162.5	833.10	831.29	828.57	824.87	819.47	812.01	804.06	796.05
165.0	1112.09	1108.68	1106.83	1102.80	1093.34	1081.72	1071.36	1060.37
167.5	1632.11	1624.44	1618.45	1615.16	1607.43	1595.63	1584.33	1573.33
170.0	2454.32	2452.54	2448.98	2444.13	2441.57	2431.18	2424.25	2414.12
170.5	2654.60	2650.30	2647.73	2649.14	2643.84	2628.84	2620.72	2612.59
171.0	2867.18	2865.72	2860.69	2859.50	2853.27	2844.46	2840.61	2829.10
171.5	3127.19	3121.74	3112.68	3107.30	3100.29	3088.84	3078.53	3067.26

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Intensity [cd/klm] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd/klm]	340.0	342.5	345.0	347.5	350.0	352.5	355.0	357.5
172.0	3388.96	3384.83	3375.33	3367.58	3354.47	3345.79	3336.28	3319.86
172.5	3675.33	3669.10	3661.04	3654.60	3639.09	3626.11	3624.66	3606.74
173.0	4009.13	3999.29	3982.25	3973.71	3966.66	3953.14	3936.48	3918.88
173.5	4325.37	4320.64	4308.78	4294.60	4281.70	4264.00	4248.30	4229.21
174.0	4638.08	4638.47	4621.11	4606.58	4594.95	4578.45	4558.32	4539.55
174.5	4970.13	4963.36	4952.96	4943.52	4936.84	4928.85	4918.80	4898.60
175.0	5291.63	5281.18	5263.52	5253.71	5242.93	5228.92	5214.40	5196.30
175.5	5595.57	5584.88	5572.31	5569.26	5568.71	5563.14	5551.45	5537.31
176.0	5869.64	5867.39	5852.69	5845.58	5846.16	5839.86	5825.42	5802.54
176.5	6099.79	6098.69	6079.85	6075.55	6080.66	6077.05	6068.74	6046.12
177.0	6324.66	6317.64	6310.55	6303.74	6304.41	6303.46	6299.45	6287.89
177.5	6503.86	6497.74	6486.23	6482.02	6479.83	6477.76	6479.70	6464.71
178.0	6642.65	6647.82	6640.63	6635.33	6635.56	6634.08	6627.49	6618.07
178.5	6772.66	6778.48	6770.17	6767.25	6768.02	6763.46	6760.87	6753.39
179.0	6864.01	6872.07	6874.88	6879.57	6893.32	6885.65	6881.63	6868.86
179.5	6957.13	6970.95	6965.38	6958.01	6950.60	6959.32	6953.73	6946.45
180.0	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62	7018.62

PHOTOMETRIC RESULTS

File Name:	PUK ITALIA 1505-QL18-S21 ART-206002 18deg		
Sample Number:	1505-QL18-S21		
Report Number:			
Model:	ART-206002 18deg		
Flux:	1419 lm	Flux 2	0.00 lm
Date:	04/12/2018 15.40.54		
Manufacturer:	PUK ITALIA		

Intensity [cd] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd]	0.0	2.5	5.0	7.5	10.0	12.5	15.0	17.5
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
110.0	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2
115.0	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.4
120.0	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7
125.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.9
130.0	1.4	1.3	1.3	1.3	1.3	1.3	1.3	1.2
135.0	2.3	2.3	2.2	2.2	2.2	2.2	2.1	2.1
140.0	3.1	3.1	3.1	3.1	3.0	3.0	3.0	3.0
145.0	6.2	6.1	6.2	6.6	7.1	8.1	9.3	10.4
150.0	152.0	148.7	146.3	144.6	142.7	140.5	137.3	134.2
152.5	347.5	343.0	340.6	338.6	336.2	332.4	326.1	320.0
155.0	555.3	550.5	549.2	548.6	546.6	542.9	536.7	530.6
157.5	739.6	734.0	732.3	733.1	730.2	726.0	717.7	710.1
160.0	898.5	895.8	892.7	893.3	891.1	886.7	880.6	875.2
162.5	1122.2	1116.4	1114.1	1112.9	1110.7	1108.1	1104.0	1099.8
165.0	1495.3	1487.5	1479.7	1477.0	1471.5	1466.7	1464.0	1465.6
167.5	2216.7	2203.6	2196.0	2191.8	2185.4	2178.8	2173.9	2173.5
170.0	3416.0	3409.1	3403.7	3398.4	3402.3	3401.9	3399.0	3395.4
170.5	3703.0	3700.8	3694.8	3696.2	3696.4	3691.9	3700.2	3708.4
171.0	4002.9	3992.6	3991.0	3989.0	3987.9	3989.4	3991.4	3993.9
171.5	4348.8	4338.1	4330.6	4325.0	4322.6	4319.8	4325.3	4329.4
172.0	4694.8	4688.7	4683.0	4668.7	4675.0	4672.8	4666.7	4670.0
172.5	5107.4	5085.4	5078.8	5065.8	5050.2	5048.6	5058.3	5048.1
173.0	5543.0	5530.8	5530.8	5521.4	5511.6	5507.5	5505.1	5496.3
173.5	5983.8	5973.5	5964.8	5956.7	5957.8	5956.4	5949.5	5937.0
174.0	6427.1	6413.7	6414.3	6417.5	6411.6	6397.7	6391.3	6402.7
174.5	6934.5	6912.8	6896.9	6888.4	6898.4	6897.0	6900.9	6901.0
175.0	7352.2	7345.3	7348.8	7346.6	7347.1	7350.9	7357.7	7364.3
175.5	7844.3	7834.2	7821.2	7822.7	7833.9	7832.6	7839.7	7847.6
176.0	8218.4	8210.4	8209.3	8207.1	8211.7	8218.4	8228.8	8245.7
176.5	8572.0	8568.7	8569.4	8573.6	8576.7	8574.0	8587.8	8576.2
177.0	8907.8	8909.1	8909.0	8924.9	8926.6	8924.5	8919.2	8936.8
177.5	9151.2	9139.4	9172.0	9202.4	9197.9	9179.2	9182.7	9189.7
178.0	9397.2	9408.2	9419.7	9418.8	9421.0	9411.2	9403.7	9417.6
178.5	9594.5	9579.7	9580.5	9576.6	9590.8	9597.8	9597.0	9610.4
179.0	9743.2	9740.9	9738.8	9744.6	9753.1	9744.1	9760.1	9765.6
179.5	9853.4	9879.1	9902.3	9907.5	9905.2	9900.4	9908.2	9915.9
180.0	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4

Intensity [cd] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd]	20.0	22.5	25.0	27.5	30.0	32.5	35.0	37.5
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	0.1	0.0	0.0	0.0	0.1	0.1	0.1	0.1
100.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105.0	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.2
110.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
115.0	0.4	0.3	0.3	0.3	0.3	0.3	0.4	0.4
120.0	0.6	0.6	0.6	0.6	0.7	0.7	0.7	0.7
125.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
130.0	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3
135.0	2.2	2.1	2.1	2.1	2.2	2.2	2.2	2.2
140.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1	3.1
145.0	11.7	12.8	13.6	14.0	14.2	14.3	14.3	14.3
150.0	131.8	130.2	128.9	127.7	126.8	125.7	123.9	122.2
152.5	315.9	312.9	309.5	306.3	303.1	300.7	297.2	293.9
155.0	526.8	524.0	521.8	519.4	514.9	512.1	509.3	506.7
157.5	707.4	704.2	697.9	692.8	687.0	684.8	680.1	675.4
160.0	872.8	869.9	863.7	857.9	851.0	843.6	838.1	834.4
162.5	1096.7	1095.3	1091.3	1087.0	1082.6	1079.7	1076.7	1074.2
165.0	1466.4	1466.9	1463.2	1458.8	1457.0	1456.3	1456.6	1456.7
167.5	2168.8	2166.6	2158.0	2156.1	2153.2	2148.4	2145.9	2145.4
170.0	3392.0	3386.1	3379.4	3372.8	3383.7	3390.4	3380.4	3387.1
170.5	3709.7	3703.5	3694.1	3690.1	3693.8	3690.9	3685.9	3687.5
171.0	3994.9	3988.4	3983.9	3987.4	3991.4	3993.9	3988.9	3990.4
171.5	4335.1	4330.7	4328.6	4324.7	4331.5	4324.4	4321.9	4330.8
172.0	4670.3	4663.1	4658.3	4664.4	4669.1	4665.0	4665.0	4671.3
172.5	5048.0	5042.9	5047.9	5046.7	5041.7	5038.1	5035.6	5036.8
173.0	5490.8	5485.3	5477.5	5473.9	5471.9	5483.8	5481.3	5477.4
173.5	5928.5	5922.6	5917.1	5916.1	5919.5	5924.5	5927.0	5933.0
174.0	6401.3	6387.4	6379.2	6385.8	6387.2	6387.7	6385.2	6383.6
174.5	6894.1	6884.7	6886.2	6885.5	6892.4	6906.1	6906.1	6904.3
175.0	7369.4	7369.5	7358.3	7347.7	7345.0	7351.8	7356.8	7369.9
175.5	7852.2	7846.8	7847.9	7852.3	7845.2	7842.6	7847.6	7858.1
176.0	8249.9	8246.6	8260.0	8254.6	8237.8	8238.2	8248.2	8271.2
176.5	8585.1	8579.0	8579.7	8594.3	8610.5	8616.3	8606.3	8621.6
177.0	8942.8	8938.9	8939.4	8946.6	8953.1	8944.3	8944.3	8954.6
177.5	9200.5	9201.2	9196.6	9201.4	9215.7	9219.8	9219.8	9224.9
178.0	9423.1	9418.7	9411.4	9426.3	9438.3	9425.1	9412.6	9422.7
178.5	9620.7	9626.1	9636.2	9638.7	9640.8	9630.4	9622.9	9613.0
179.0	9765.8	9756.0	9768.6	9793.5	9788.4	9775.6	9758.1	9758.2
179.5	9918.4	9911.0	9913.5	9916.0	9915.9	9915.9	9900.8	9890.8
180.0	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4

G/C [cd]	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
100.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105.0	0.1	0.1	0.2	0.1	0.1	0.1	0.1	0.1
110.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
115.0	0.4	0.5	0.4	0.4	0.4	0.4	0.3	0.3
120.0	0.8	0.8	0.8	0.8	0.8	0.8	0.7	0.7
125.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
130.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
135.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
140.0	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1
145.0	14.4	14.4	14.4	14.3	14.3	14.2	14.1	14.0
150.0	121.8	121.1	120.0	118.7	117.0	115.1	113.3	111.9
152.5	293.6	293.3	291.4	288.4	286.0	282.6	280.3	279.2

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Intensity [cd] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd]	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5
155.0	505.7	505.9	504.8	501.7	497.4	491.6	486.2	484.6
157.5	676.9	677.7	676.4	673.2	671.1	666.6	661.6	657.8
160.0	834.4	832.4	828.5	823.1	815.6	806.6	800.7	799.7
162.5	1074.8	1075.8	1076.5	1070.7	1061.1	1051.0	1043.3	1039.5
165.0	1460.9	1463.2	1465.3	1461.5	1456.5	1450.7	1447.1	1446.8
167.5	2153.6	2161.2	2169.6	2170.4	2164.7	2159.5	2158.9	2158.7
170.0	3402.2	3402.2	3407.2	3409.6	3402.0	3402.7	3404.3	3410.0
170.5	3693.0	3705.6	3720.3	3720.0	3711.9	3707.3	3711.3	3724.1
171.0	3996.4	4006.4	4018.4	4020.4	4016.9	4021.8	4028.3	4043.2
171.5	4342.4	4349.9	4364.2	4365.9	4361.8	4363.8	4370.2	4379.7
172.0	4680.9	4685.9	4697.4	4703.8	4701.8	4708.4	4717.2	4728.7
172.5	5049.4	5077.0	5095.7	5091.9	5084.2	5087.8	5091.5	5100.1
173.0	5480.7	5500.7	5519.1	5517.4	5511.6	5509.7	5523.3	5541.3
173.5	5942.0	5949.5	5962.5	5968.1	5969.1	5979.1	5995.0	6007.5
174.0	6413.3	6405.8	6423.5	6431.2	6439.0	6443.4	6459.3	6463.6
174.5	6929.8	6939.8	6939.6	6949.4	6961.4	6980.1	7005.8	7022.0
175.0	7393.6	7401.1	7418.1	7425.0	7436.3	7449.5	7465.1	7475.7
175.5	7885.0	7895.0	7906.6	7920.7	7928.8	7936.3	7954.3	7971.7
176.0	8286.2	8293.7	8287.4	8316.2	8336.2	8338.2	8366.1	8383.0
176.5	8652.2	8654.7	8653.2	8666.7	8676.1	8692.7	8723.0	8724.5
177.0	8983.2	8995.7	9006.4	9007.2	9016.1	9024.8	9047.4	9063.5
177.5	9238.9	9241.4	9246.9	9260.0	9266.0	9271.9	9267.1	9255.5
178.0	9439.5	9449.5	9464.9	9460.3	9461.0	9479.1	9494.2	9489.8
178.5	9617.5	9620.0	9637.8	9658.0	9666.0	9658.9	9656.4	9656.8
179.0	9772.9	9767.9	9760.5	9760.7	9771.0	9773.7	9773.7	9786.4
179.5	9893.2	9890.7	9873.3	9868.3	9871.0	9878.6	9886.1	9903.6
180.0	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4

G/C [cd]	60.0	62.5	65.0	67.5	70.0	72.5	75.0	77.5
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1
100.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.2
110.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
115.0	0.3	0.3	0.3	0.3	0.3	0.4	0.4	0.4
120.0	0.7	0.7	0.7	0.7	0.7	0.8	0.8	0.8
125.0	0.9	1.0	1.0	1.0	1.0	1.0	1.0	1.0
130.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
135.0	2.2	2.2	2.2	2.2	2.2	2.3	2.3	2.3
140.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2
145.0	14.0	13.9	13.8	13.4	12.8	12.0	11.1	10.1
150.0	110.5	109.1	107.7	107.3	107.5	107.6	107.7	107.5
152.5	277.7	277.4	277.2	278.8	280.7	281.7	281.9	281.5
155.0	482.0	479.8	478.0	479.0	481.1	481.0	479.5	477.5
157.5	655.4	653.0	652.0	654.5	658.2	659.1	658.0	656.6
160.0	797.0	795.2	794.8	798.4	804.2	806.7	805.6	803.6
162.5	1035.9	1034.1	1033.2	1035.4	1040.5	1045.1	1046.3	1041.2
165.0	1444.0	1443.8	1446.5	1450.9	1459.5	1463.1	1460.8	1456.9
167.5	2167.4	2172.7	2184.8	2195.8	2210.8	2221.3	2221.6	2224.8
170.0	3419.0	3433.0	3448.9	3468.0	3488.3	3507.1	3519.5	3536.4
170.5	3740.0	3761.1	3779.8	3791.7	3812.7	3832.3	3848.3	3864.3
171.0	4053.5	4069.4	4088.4	4107.9	4132.1	4152.5	4169.6	4184.7
171.5	4392.0	4405.0	4431.8	4453.9	4476.4	4497.7	4513.6	4532.8
172.0	4735.4	4743.1	4765.2	4785.0	4810.8	4837.9	4857.5	4875.8
172.5	5111.1	5130.9	5158.4	5170.9	5202.5	5228.1	5251.6	5271.8
173.0	5566.5	5595.7	5616.2	5634.0	5669.1	5688.4	5708.5	5735.9
173.5	6019.4	6038.2	6061.7	6089.6	6118.3	6148.7	6172.9	6200.1

Intensity [cd] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd]	60.0	62.5	65.0	67.5	70.0	72.5	75.0	77.5
174.0	6477.2	6518.0	6551.9	6577.5	6607.3	6631.5	6659.9	6689.4
174.5	7034.6	7062.4	7091.8	7115.3	7151.3	7184.3	7212.1	7244.3
175.0	7482.5	7504.9	7544.7	7570.9	7607.9	7649.6	7681.6	7708.5
175.5	7990.1	8009.5	8042.4	8071.3	8097.0	8127.3	8156.0	8187.7
176.0	8380.8	8402.3	8440.5	8477.1	8506.2	8525.1	8540.1	8556.0
176.5	8731.7	8742.8	8776.5	8803.3	8823.1	8835.3	8848.9	8881.4
177.0	9080.0	9088.4	9109.9	9119.4	9147.5	9163.0	9175.2	9196.7
177.5	9269.2	9307.1	9348.8	9348.5	9369.6	9383.1	9403.7	9423.7
178.0	9498.1	9523.4	9552.8	9560.1	9564.2	9568.2	9556.8	9572.5
178.5	9662.3	9675.0	9694.7	9707.0	9706.4	9700.8	9717.4	9733.9
179.0	9801.7	9819.2	9841.5	9851.4	9861.1	9855.9	9848.0	9852.5
179.5	9903.7	9908.7	9918.6	9926.1	9931.0	9913.4	9918.3	9920.6
180.0	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4

G/C [cd]	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
110.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
115.0	0.4	0.4	0.5	0.5	0.5	0.5	0.5	0.4
120.0	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.8
125.0	1.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1
130.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
135.0	2.4	2.4	2.4	2.5	2.5	2.5	2.5	2.6
140.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
145.0	9.3	8.5	7.9	7.7	7.6	7.8	8.3	8.9
150.0	107.5	108.2	109.3	110.2	111.6	113.1	114.4	116.2
152.5	281.2	281.7	282.3	283.9	285.7	287.4	287.8	288.1
155.0	475.4	475.8	476.4	478.0	479.8	481.2	480.5	480.4
157.5	655.4	653.8	654.5	657.8	660.5	662.1	660.3	660.4
160.0	802.2	803.6	804.5	806.6	808.8	812.2	812.8	813.1
162.5	1037.9	1040.9	1048.1	1053.5	1055.3	1058.6	1058.7	1058.6
165.0	1454.0	1458.1	1461.0	1465.2	1468.8	1475.5	1478.4	1481.5
167.5	2228.5	2243.8	2257.1	2265.5	2272.6	2284.7	2295.2	2308.8
170.0	3549.3	3573.3	3592.1	3601.4	3611.4	3635.7	3651.1	3667.3
170.5	3881.5	3904.4	3918.2	3926.5	3935.3	3957.1	3971.8	3989.9
171.0	4198.4	4220.2	4236.6	4251.6	4266.8	4291.0	4307.6	4322.6
171.5	4550.8	4576.8	4598.4	4612.2	4623.7	4652.8	4673.7	4695.7
172.0	4900.6	4930.8	4957.6	4972.9	4988.1	5022.2	5044.9	5066.2
172.5	5293.6	5328.1	5349.9	5366.5	5382.9	5414.4	5441.3	5477.0
173.0	5749.9	5791.7	5811.0	5836.4	5858.6	5892.6	5918.5	5945.8
173.5	6226.6	6270.5	6305.2	6324.0	6344.5	6385.9	6410.9	6442.4
174.0	6720.9	6759.5	6786.7	6804.0	6825.4	6864.1	6895.7	6931.3
174.5	7268.5	7307.1	7329.3	7345.0	7369.5	7408.1	7446.1	7480.8
175.0	7732.5	7775.7	7803.2	7804.7	7814.9	7853.4	7885.4	7919.4
175.5	8214.2	8252.0	8269.4	8272.0	8290.7	8326.5	8355.1	8378.1
176.0	8579.3	8606.0	8610.8	8630.1	8657.6	8703.5	8726.3	8753.6
176.5	8903.8	8932.0	8949.6	8952.7	8953.7	8999.5	9021.7	9030.9
177.0	9213.1	9235.1	9247.7	9247.3	9247.3	9282.9	9301.9	9313.2
177.5	9438.7	9451.6	9476.9	9483.5	9472.5	9500.5	9506.5	9504.7
178.0	9593.4	9619.7	9642.5	9610.5	9596.5	9654.8	9663.0	9673.6
178.5	9737.9	9752.1	9764.8	9750.2	9743.3	9771.2	9769.1	9777.0
179.0	9857.0	9871.8	9869.3	9844.1	9834.4	9877.5	9890.3	9882.8
179.5	9940.7	9950.8	9948.2	9933.0	9928.1	9943.3	9945.8	9948.4
180.0	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4

Intensity [cd] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd]	100.0	102.5	105.0	107.5	110.0	112.5	115.0	117.5
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105.0	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2
110.0	0.3	0.3	0.2	0.2	0.2	0.2	0.2	0.2
115.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3
120.0	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.7
125.0	1.1	1.0	1.0	1.0	1.0	1.0	1.0	0.9
130.0	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3
135.0	2.6	2.6	2.6	2.7	2.7	2.7	2.7	2.8
140.0	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3
145.0	10.0	11.3	12.7	14.1	15.4	16.7	17.5	18.0
150.0	118.1	120.0	122.2	124.1	126.5	129.6	132.4	134.6
152.5	289.2	291.7	293.8	296.6	298.3	303.5	308.1	310.9
155.0	481.7	486.4	489.4	492.0	495.8	502.8	507.6	510.1
157.5	659.1	661.6	664.3	666.1	667.9	674.0	676.7	676.7
160.0	813.4	818.8	824.4	828.6	832.0	838.4	840.7	841.5
162.5	1060.7	1068.5	1073.3	1076.5	1081.9	1091.3	1096.0	1097.7
165.0	1484.6	1495.5	1503.8	1509.0	1518.2	1535.8	1548.2	1557.7
167.5	2316.9	2336.2	2347.6	2360.9	2381.1	2408.8	2427.7	2441.5
170.0	3678.8	3704.2	3727.5	3754.8	3788.7	3825.0	3849.2	3874.8
170.5	4008.0	4038.7	4059.3	4083.8	4114.8	4140.8	4162.1	4192.5
171.0	4337.2	4365.6	4388.5	4417.9	4448.6	4484.2	4515.0	4540.2
171.5	4709.1	4737.8	4763.1	4797.1	4837.5	4875.2	4905.4	4930.4
172.0	5078.5	5112.5	5142.6	5173.9	5211.3	5251.2	5283.3	5323.2
172.5	5500.6	5532.5	5557.3	5593.3	5632.8	5674.8	5711.3	5745.9
173.0	5968.0	6012.8	6044.9	6088.1	6137.1	6188.6	6221.8	6256.2
173.5	6460.5	6495.6	6537.6	6582.9	6626.4	6677.4	6709.9	6739.0
174.0	6948.0	6983.5	7015.1	7055.0	7105.6	7161.2	7202.9	7226.8
174.5	7488.3	7521.6	7555.5	7600.1	7640.1	7677.5	7706.0	7732.1
175.0	7928.1	7969.3	8008.0	8049.6	8099.2	8143.7	8149.0	8154.9
175.5	8375.3	8399.3	8427.7	8476.6	8510.7	8544.8	8569.4	8585.1
176.0	8752.3	8761.4	8787.2	8825.7	8841.9	8873.1	8899.8	8925.3
176.5	9046.3	9070.7	9078.7	9086.9	9112.9	9146.3	9160.1	9173.0
177.0	9305.1	9324.7	9345.1	9378.3	9406.4	9427.1	9427.9	9433.1
177.5	9511.1	9536.0	9543.7	9559.1	9582.1	9600.0	9605.6	9610.7
178.0	9669.5	9691.9	9694.5	9712.3	9735.1	9750.4	9758.2	9765.8
178.5	9767.5	9772.3	9825.2	9837.9	9860.6	9870.7	9860.8	9858.4
179.0	9855.4	9870.4	9880.5	9900.7	9923.3	9933.4	9930.9	9930.9
179.5	9938.3	9945.9	9943.4	9960.9	9968.5	9968.5	9960.9	9963.4
180.0	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4

G/C [cd]	120.0	122.5	125.0	127.5	130.0	132.5	135.0	137.5
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
110.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
115.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
120.0	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6
125.0	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8
130.0	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2
135.0	2.8	2.8	2.9	2.9	2.9	2.9	2.9	3.0
140.0	3.2	3.3	3.3	3.3	3.3	3.3	3.3	3.3
145.0	18.4	18.9	19.2	19.5	19.8	20.0	20.2	20.6
150.0	138.4	141.8	143.5	144.9	146.7	148.0	150.3	152.7
152.5	316.2	320.8	322.9	324.7	327.8	329.8	332.5	336.9

Intensity [cd] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd]	120.0	122.5	125.0	127.5	130.0	132.5	135.0	137.5
155.0	517.2	523.2	524.7	527.3	529.7	530.2	533.4	537.9
157.5	682.4	686.6	685.6	683.3	682.0	680.2	681.9	685.9
160.0	847.2	849.8	846.8	843.4	839.8	838.4	841.3	847.0
162.5	1103.4	1108.6	1112.1	1111.9	1111.4	1111.4	1114.1	1121.3
165.0	1571.0	1583.8	1595.8	1599.5	1601.3	1606.5	1615.7	1630.6
167.5	2462.0	2490.2	2511.1	2523.7	2533.3	2546.7	2565.2	2590.1
170.0	3908.7	3938.1	3966.2	3982.9	3995.0	4016.9	4037.3	4068.4
170.5	4234.6	4265.4	4297.1	4314.1	4332.0	4359.7	4388.1	4422.0
171.0	4573.1	4610.3	4640.7	4655.5	4668.9	4689.8	4716.1	4760.4
171.5	4966.7	5003.1	5039.8	5060.1	5074.2	5101.1	5133.0	5170.0
172.0	5360.3	5395.9	5428.9	5447.0	5461.8	5492.1	5522.0	5561.9
172.5	5786.5	5829.0	5865.9	5884.5	5902.6	5928.9	5964.4	6004.6
173.0	6288.0	6327.6	6368.7	6387.8	6409.3	6449.4	6490.7	6533.8
173.5	6776.9	6813.5	6858.7	6883.4	6905.8	6936.9	6968.6	7019.8
174.0	7263.2	7302.0	7343.8	7371.5	7394.7	7432.0	7466.9	7498.1
174.5	7774.7	7820.7	7859.1	7877.2	7893.8	7927.1	7962.7	7991.7
175.0	8195.9	8246.2	8281.0	8294.5	8311.8	8330.9	8346.6	8381.0
175.5	8637.2	8679.3	8700.4	8701.6	8712.0	8734.6	8763.5	8790.6
176.0	8958.1	8984.0	9008.6	9015.2	9016.0	9031.7	9061.0	9088.3
176.5	9206.3	9245.9	9271.3	9275.7	9284.6	9311.0	9333.0	9345.3
177.0	9454.5	9485.1	9511.3	9500.7	9499.9	9514.1	9546.6	9571.7
177.5	9635.0	9661.3	9680.6	9682.8	9687.4	9702.0	9716.9	9721.8
178.0	9777.9	9792.3	9811.9	9806.7	9801.4	9818.8	9831.3	9841.4
178.5	9873.2	9893.0	9902.9	9890.2	9890.0	9900.0	9912.7	9922.8
179.0	9943.4	9955.9	9968.5	9966.0	9966.0	9978.8	9988.9	9991.5
179.5	9976.0	9993.7	9998.9	9973.6	9963.5	9976.2	9986.4	10001.7
180.0	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4

G/C [cd]	140.0	142.5	145.0	147.5	150.0	152.5	155.0	157.5
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105.0	0.2	0.2	0.1	0.2	0.2	0.2	0.2	0.2
110.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
115.0	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3
120.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
125.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
130.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
135.0	3.0	2.9	2.9	2.9	2.9	2.8	2.8	2.7
140.0	3.3	3.3	3.2	3.2	3.2	3.1	3.1	3.1
145.0	21.0	21.4	21.8	22.0	21.8	21.3	20.5	19.4
150.0	156.0	160.0	162.9	166.1	169.2	172.3	175.9	178.8
152.5	343.5	350.1	354.4	359.9	365.3	369.4	372.8	376.1
155.0	544.2	550.4	552.9	557.2	561.2	563.6	564.2	564.2
157.5	692.0	698.2	701.7	707.4	711.0	713.0	714.7	715.9
160.0	853.3	861.2	867.3	873.7	880.9	886.1	886.1	887.6
162.5	1130.7	1139.8	1147.4	1156.3	1164.3	1169.5	1171.4	1177.6
165.0	1644.9	1658.8	1672.2	1686.1	1698.0	1705.6	1708.6	1714.0
167.5	2614.1	2641.7	2671.1	2702.9	2730.4	2750.0	2760.9	2774.6
170.0	4107.9	4140.1	4168.5	4201.9	4235.5	4259.6	4275.8	4293.7
170.5	4458.4	4492.5	4520.1	4547.7	4575.8	4604.3	4630.0	4657.8
171.0	4801.4	4842.3	4876.8	4913.6	4943.9	4966.6	4981.7	5006.8
171.5	5202.8	5235.3	5273.9	5312.3	5349.8	5374.2	5393.7	5428.7
172.0	5599.1	5640.9	5683.7	5723.7	5760.8	5784.3	5810.8	5848.0
172.5	6041.1	6082.0	6123.8	6175.4	6222.1	6257.4	6285.6	6315.0
173.0	6567.0	6606.8	6642.3	6675.1	6721.3	6755.5	6778.0	6802.2
173.5	7059.8	7086.0	7117.9	7157.2	7192.8	7218.5	7245.2	7279.3

Intensity [cd] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd]	140.0	142.5	145.0	147.5	150.0	152.5	155.0	157.5
174.0	7532.3	7562.6	7595.9	7634.1	7661.7	7678.9	7705.0	7731.2
174.5	8009.9	8034.2	8058.8	8096.0	8130.6	8151.9	8174.8	8203.3
175.0	8406.2	8439.8	8476.2	8514.9	8534.0	8541.9	8554.1	8579.9
175.5	8794.9	8815.0	8850.5	8883.4	8907.1	8909.3	8913.4	8931.5
176.0	9092.2	9106.6	9133.8	9155.9	9176.9	9191.0	9199.7	9217.7
176.5	9336.0	9342.4	9361.5	9375.5	9391.2	9399.9	9413.3	9433.6
177.0	9569.8	9578.2	9594.2	9610.2	9628.2	9633.9	9641.9	9654.6
177.5	9709.5	9715.1	9735.8	9749.0	9766.8	9774.8	9790.1	9795.2
178.0	9844.1	9854.5	9869.9	9882.7	9895.4	9890.5	9898.1	9905.7
178.5	9915.2	9912.8	9920.5	9938.2	9953.4	9953.4	9950.9	9960.9
179.0	9976.2	9971.1	9971.1	9966.0	9971.0	9981.1	10001.1	10008.7
179.5	9976.2	9981.3	9993.8	9986.2	10001.3	9998.7	10016.2	10006.1
180.0	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4

G/C [cd]	160.0	162.5	165.0	167.5	170.0	172.5	175.0	177.5
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
100.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105.0	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
110.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
115.0	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.4
120.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
125.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
130.0	1.2	1.2	1.2	1.2	1.2	1.3	1.3	1.3
135.0	2.7	2.6	2.6	2.6	2.6	2.5	2.5	2.5
140.0	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0
145.0	18.3	17.3	16.2	15.2	14.6	14.2	13.8	13.6
150.0	182.6	186.8	190.8	194.3	196.2	196.2	197.4	199.6
152.5	380.5	385.1	389.9	393.8	397.6	400.3	403.5	408.3
155.0	567.9	574.9	582.7	588.9	593.5	596.0	599.5	605.0
157.5	720.3	726.9	735.2	742.7	748.4	750.0	754.3	760.3
160.0	895.9	905.9	917.0	925.0	932.7	937.4	942.9	949.1
162.5	1188.0	1198.9	1211.6	1221.0	1225.5	1230.3	1238.3	1246.7
165.0	1724.0	1733.0	1744.5	1755.1	1765.8	1775.7	1785.9	1800.4
167.5	2792.9	2814.5	2838.9	2867.3	2893.4	2902.4	2914.9	2929.0
170.0	4319.9	4339.4	4363.1	4390.4	4416.9	4432.6	4446.2	4459.9
170.5	4686.6	4705.0	4727.3	4748.1	4768.7	4792.9	4805.7	4826.6
171.0	5043.3	5068.1	5099.0	5130.8	5157.6	5177.9	5202.0	5225.3
171.5	5472.7	5501.3	5528.0	5558.1	5583.7	5602.4	5627.9	5653.6
172.0	5887.2	5919.5	5949.6	5973.1	6009.7	6039.2	6068.6	6096.7
172.5	6349.3	6372.7	6401.1	6435.2	6468.0	6488.4	6509.3	6539.7
173.0	6841.6	6876.0	6910.0	6929.7	6958.5	6991.9	7028.8	7049.2
173.5	7323.8	7339.2	7356.6	7379.4	7406.9	7443.5	7467.0	7487.3
174.0	7760.8	7774.9	7798.1	7824.1	7850.3	7870.5	7892.9	7915.6
174.5	8240.5	8250.7	8257.1	8273.8	8303.7	8329.6	8345.9	8358.6
175.0	8604.7	8608.8	8631.3	8641.6	8657.9	8672.6	8680.7	8703.2
175.5	8966.4	8981.9	8990.5	8999.4	9019.6	9028.0	9042.6	9047.8
176.0	9250.2	9247.3	9252.5	9267.7	9292.1	9304.4	9301.1	9308.7
176.5	9461.1	9462.6	9472.0	9486.4	9500.2	9499.4	9498.1	9512.9
177.0	9672.1	9670.5	9674.0	9680.2	9693.4	9691.9	9692.6	9700.0
177.5	9805.2	9810.7	9808.8	9804.4	9814.8	9812.8	9803.3	9823.1
178.0	9925.8	9923.4	9928.5	9921.2	9926.2	9928.8	9933.8	9926.4
178.5	9966.0	9953.4	9978.4	9988.2	9990.6	9965.8	9958.4	9965.8
179.0	10023.7	10001.0	9993.4	10003.2	10027.8	10030.0	10017.5	10017.5
179.5	10006.2	9998.5	9983.4	9983.3	9998.1	10002.9	9990.4	10037.2
180.0	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4

Intensity [cd] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd]	180.0	182.5	185.0	187.5	190.0	192.5	195.0	197.5
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1
100.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
110.0	0.2	0.3	0.2	0.2	0.2	0.2	0.2	0.2
115.0	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.4
120.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
125.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
130.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
135.0	2.5	2.5	2.6	2.5	2.5	2.6	2.6	2.6
140.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.2
145.0	13.6	13.8	14.3	14.9	15.5	16.2	17.1	18.5
150.0	202.6	206.4	211.7	217.6	222.7	227.8	233.4	238.1
152.5	414.7	420.4	427.3	431.3	433.0	435.4	441.3	447.6
155.0	611.4	617.4	625.3	628.0	630.1	633.2	639.5	646.5
157.5	766.4	773.9	783.9	788.9	789.8	793.2	798.4	802.6
160.0	954.2	959.3	967.3	970.5	973.0	976.9	982.8	989.1
162.5	1253.4	1261.7	1272.8	1276.1	1278.5	1285.7	1297.7	1308.1
165.0	1813.3	1820.1	1832.1	1842.5	1850.8	1862.6	1876.7	1884.7
167.5	2937.5	2950.0	2975.4	2979.6	2968.6	2973.1	2978.8	2979.5
170.0	4467.9	4473.2	4494.1	4494.2	4489.0	4485.8	4485.7	4480.5
170.5	4837.5	4838.5	4853.9	4852.4	4852.3	4854.6	4865.5	4871.5
171.0	5231.8	5238.4	5260.9	5260.3	5250.5	5248.4	5255.4	5254.9
171.5	5675.4	5682.8	5697.6	5695.5	5690.9	5699.4	5705.2	5710.9
172.0	6121.4	6129.6	6146.8	6153.1	6151.2	6153.0	6152.5	6149.5
172.5	6567.5	6576.4	6595.9	6600.8	6609.1	6619.0	6617.3	6615.6
173.0	7055.4	7057.8	7074.9	7078.4	7084.4	7095.0	7097.1	7096.7
173.5	7508.9	7514.5	7526.5	7536.0	7544.7	7546.1	7546.9	7540.2
174.0	7922.9	7919.4	7950.9	7968.7	7967.7	7962.3	7949.3	7933.7
174.5	8373.9	8373.6	8400.0	8406.5	8395.7	8400.9	8389.1	8384.7
175.0	8721.3	8699.4	8710.2	8697.5	8706.8	8722.4	8733.9	8718.0
175.5	9039.2	9027.8	9042.7	9040.7	9047.7	9061.3	9058.8	9046.3
176.0	9317.7	9311.7	9328.1	9316.8	9304.0	9300.5	9301.2	9294.4
176.5	9522.2	9511.6	9534.1	9538.1	9515.5	9509.9	9498.6	9489.8
177.0	9704.6	9699.2	9707.8	9709.7	9704.6	9701.7	9683.6	9662.7
177.5	9832.8	9825.1	9851.7	9841.5	9826.6	9838.8	9826.0	9815.6
178.0	9928.9	9936.2	9956.0	9941.0	9923.6	9931.0	9933.4	9905.8
178.5	9983.1	9978.2	10000.6	10013.2	10015.7	10025.7	10010.9	9983.5
179.0	10032.4	10032.5	10055.2	10043.0	10035.6	10030.7	10030.9	10028.6
179.5	10052.1	10022.6	10023.0	10030.6	10028.1	10025.7	10025.9	10026.1
180.0	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4

G/C [cd]	200.0	202.5	205.0	207.5	210.0	212.5	215.0	217.5
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105.0	0.2	0.1	0.2	0.2	0.1	0.2	0.1	0.1
110.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
115.0	0.4	0.3	0.3	0.4	0.4	0.4	0.4	0.4
120.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
125.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
130.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
135.0	2.6	2.7	2.7	2.7	2.7	2.8	2.8	2.9
140.0	3.2	3.3	3.3	3.4	3.5	3.5	3.5	3.6
145.0	20.2	22.0	23.5	24.9	26.0	27.0	27.6	27.9
150.0	240.7	242.7	245.4	247.3	249.3	251.2	254.1	255.5
152.5	452.1	456.3	461.7	466.5	469.5	473.6	480.9	485.3

Intensity [cd] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd]	200.0	202.5	205.0	207.5	210.0	212.5	215.0	217.5
155.0	651.8	654.9	658.4	663.3	663.6	664.9	670.3	673.5
157.5	805.6	808.3	810.7	808.6	807.9	809.3	816.3	819.8
160.0	993.8	996.3	999.1	1000.1	1004.2	1009.2	1015.8	1019.6
162.5	1316.5	1323.9	1329.5	1331.9	1338.0	1345.5	1355.0	1359.6
165.0	1893.7	1899.5	1903.2	1904.1	1909.9	1916.7	1924.0	1926.4
167.5	2985.3	2986.3	2980.7	2974.7	2974.7	2968.6	2965.1	2963.8
170.0	4472.9	4464.3	4453.4	4435.5	4427.9	4417.6	4407.2	4389.0
170.5	4867.4	4859.6	4841.8	4821.5	4816.5	4806.3	4791.1	4772.4
171.0	5254.4	5249.9	5242.7	5232.8	5225.2	5210.2	5192.6	5173.4
171.5	5714.2	5715.7	5701.7	5689.5	5681.9	5672.1	5664.9	5652.7
172.0	6151.5	6151.3	6145.5	6133.5	6125.9	6113.9	6101.8	6086.6
172.5	6613.8	6609.6	6609.5	6595.2	6592.7	6583.4	6569.1	6545.6
173.0	7103.8	7103.1	7096.2	7082.2	7072.1	7063.0	7054.0	7037.5
173.5	7528.5	7513.5	7502.2	7498.5	7493.4	7492.2	7483.3	7448.6
174.0	7928.1	7921.4	7925.9	7919.8	7919.8	7913.7	7900.1	7880.0
174.5	8377.9	8369.6	8364.7	8356.3	8351.3	8340.3	8329.4	8306.3
175.0	8699.5	8699.5	8692.5	8674.2	8666.6	8660.9	8657.8	8646.8
175.5	9026.2	9019.2	9022.9	9017.3	9019.9	9027.0	9003.8	8974.7
176.0	9287.5	9276.1	9270.0	9259.6	9254.5	9254.2	9243.7	9224.4
176.5	9478.5	9480.0	9486.9	9484.1	9469.0	9451.0	9440.7	9416.1
177.0	9664.4	9663.8	9668.4	9665.8	9650.6	9645.4	9645.3	9635.6
177.5	9810.2	9807.4	9802.1	9786.9	9776.8	9781.7	9779.1	9749.1
178.0	9878.0	9865.3	9875.2	9872.7	9880.2	9902.9	9895.3	9880.2
178.5	9953.4	9948.4	9966.0	9973.6	9978.6	9981.2	9971.1	9950.9
179.0	10013.7	10001.2	9993.7	9996.3	10001.3	10006.4	10001.4	9983.7
179.5	10013.7	9991.2	9998.8	10013.9	10016.5	10014.0	10003.9	9988.7
180.0	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4

G/C [cd]	220.0	222.5	225.0	227.5	230.0	232.5	235.0	237.5
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
110.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
115.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
120.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
125.0	0.8	0.8	0.8	0.8	0.9	0.8	0.8	0.9
130.0	1.3	1.3	1.3	1.4	1.3	1.3	1.3	1.4
135.0	2.8	2.9	2.9	3.0	2.9	3.0	2.9	2.9
140.0	3.7	3.7	3.7	3.7	3.6	3.6	3.5	3.5
145.0	28.1	28.2	28.2	28.0	27.6	27.0	25.9	24.2
150.0	255.3	256.5	257.3	257.6	257.9	259.6	260.6	262.7
152.5	485.2	485.8	487.0	487.9	488.9	490.6	491.5	494.9
155.0	674.0	675.4	678.3	679.6	681.1	684.8	687.2	693.1
157.5	819.4	820.9	823.8	826.7	829.7	834.5	839.5	847.0
160.0	1022.1	1029.7	1036.6	1039.5	1041.2	1044.5	1047.4	1053.3
162.5	1364.3	1370.8	1375.6	1379.3	1380.5	1381.3	1382.0	1386.7
165.0	1930.7	1934.1	1937.3	1939.4	1938.7	1938.0	1937.1	1936.5
167.5	2961.6	2956.7	2957.7	2954.3	2944.2	2935.4	2932.2	2924.1
170.0	4375.6	4360.6	4346.7	4328.8	4308.5	4290.3	4273.3	4261.4
170.5	4756.2	4736.8	4716.1	4701.5	4683.8	4665.2	4652.2	4639.2
171.0	5156.9	5138.3	5118.4	5104.7	5089.5	5070.4	5048.7	5029.6
171.5	5633.3	5610.5	5583.9	5566.3	5548.5	5533.9	5513.4	5495.5
172.0	6064.3	6057.4	6031.7	6020.2	5999.9	5977.1	5955.4	5938.8
172.5	6528.1	6509.3	6492.2	6489.3	6476.7	6450.7	6420.1	6397.2
173.0	7014.5	7001.7	6993.2	6981.3	6958.5	6937.0	6912.6	6885.8
173.5	7435.4	7420.9	7408.1	7402.3	7389.6	7365.0	7331.8	7313.9

Intensity [cd] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd]	220.0	222.5	225.0	227.5	230.0	232.5	235.0	237.5
174.0	7858.9	7845.0	7828.1	7815.6	7800.4	7785.4	7761.2	7739.6
174.5	8284.8	8274.3	8263.3	8254.3	8239.1	8223.6	8203.1	8190.4
175.0	8635.2	8625.3	8607.4	8594.1	8586.5	8568.0	8544.1	8530.4
175.5	8947.7	8938.4	8923.6	8906.0	8923.8	8915.0	8875.0	8875.5
176.0	9204.8	9198.4	9189.3	9187.5	9187.5	9180.9	9157.8	9147.5
176.5	9406.5	9415.6	9411.9	9413.2	9403.1	9381.0	9357.3	9354.0
177.0	9618.2	9607.5	9594.1	9598.3	9603.4	9593.7	9561.9	9537.8
177.5	9736.6	9736.2	9735.8	9727.7	9722.6	9717.8	9700.8	9699.0
178.0	9860.1	9867.5	9867.4	9857.0	9857.0	9847.0	9834.7	9850.1
178.5	9948.4	9950.9	9943.3	9933.1	9925.5	9915.4	9905.4	9903.0
179.0	9968.5	9973.6	9976.1	9971.1	9966.0	9966.0	9953.4	9943.3
179.5	9981.1	9983.7	9983.7	9983.8	9988.9	9999.0	9978.6	9973.5
180.0	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4

G/C [cd]	240.0	242.5	245.0	247.5	250.0	252.5	255.0	257.5
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
100.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.1
105.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
110.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
115.0	0.4	0.4	0.3	0.3	0.3	0.3	0.4	0.4
120.0	0.6	0.6	0.6	0.6	0.6	0.6	0.7	0.7
125.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
130.0	1.3	1.4	1.3	1.3	1.3	1.4	1.4	1.4
135.0	2.8	2.9	2.9	2.9	2.8	2.8	2.8	2.8
140.0	3.5	3.4	3.4	3.3	3.3	3.3	3.2	3.2
145.0	22.5	20.9	19.9	19.1	18.2	17.1	15.9	15.1
150.0	262.5	261.5	258.3	251.6	240.5	228.7	218.3	211.0
152.5	495.9	496.3	497.4	496.7	493.7	489.1	486.3	484.7
155.0	696.4	700.8	706.0	707.0	706.2	706.5	710.4	714.2
157.5	852.0	855.9	859.8	860.9	859.9	860.7	863.3	866.0
160.0	1056.3	1058.9	1062.1	1062.6	1061.2	1060.4	1061.5	1064.8
162.5	1388.1	1388.3	1389.0	1384.6	1382.0	1382.2	1384.3	1388.9
165.0	1931.5	1928.6	1930.4	1923.5	1914.6	1906.6	1899.9	1896.3
167.5	2911.2	2903.2	2898.5	2883.1	2876.3	2868.1	2857.0	2849.2
170.0	4248.9	4232.1	4219.0	4197.2	4173.5	4145.0	4124.6	4110.2
170.5	4617.8	4597.5	4576.6	4544.5	4515.2	4494.1	4471.4	4452.3
171.0	5006.8	4985.5	4974.2	4949.2	4914.4	4883.2	4853.2	4826.9
171.5	5468.6	5438.5	5414.4	5386.5	5355.9	5324.6	5294.9	5268.9
172.0	5902.8	5876.5	5867.0	5841.2	5802.4	5768.6	5731.5	5708.4
172.5	6369.6	6347.0	6332.2	6303.3	6273.9	6232.4	6198.1	6177.8
173.0	6856.5	6837.5	6829.9	6808.0	6770.3	6738.7	6704.7	6682.2
173.5	7295.7	7285.5	7275.0	7245.2	7214.4	7182.6	7156.3	7114.2
174.0	7717.3	7698.5	7690.2	7674.9	7643.4	7609.1	7578.0	7553.7
174.5	8176.6	8156.5	8135.3	8097.2	8060.0	8030.6	8014.7	8010.7
175.0	8502.8	8489.3	8475.4	8451.9	8419.3	8387.2	8386.4	8380.3
175.5	8871.7	8852.2	8845.6	8814.2	8773.5	8751.4	8738.3	8729.9
176.0	9120.2	9097.5	9090.6	9074.0	9057.9	9030.7	9017.7	9014.5
176.5	9341.1	9325.2	9308.2	9288.9	9267.4	9255.1	9249.8	9236.8
177.0	9519.2	9512.9	9510.8	9503.7	9487.0	9467.1	9454.4	9449.0
177.5	9684.9	9678.1	9678.3	9668.6	9644.1	9626.7	9619.1	9623.8
178.0	9835.5	9818.3	9820.9	9803.5	9783.8	9768.9	9763.8	9758.7
178.5	9890.7	9883.4	9888.4	9888.5	9871.1	9861.2	9853.6	9848.6
179.0	9935.9	9930.9	9948.4	9945.9	9941.0	9933.5	9926.0	9926.0
179.5	9968.5	9958.4	9963.4	9958.4	9963.4	9975.9	9978.4	9983.4
180.0	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4

Intensity [cd] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd]	260.0	262.5	265.0	267.5	270.0	272.5	275.0	277.5
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0
100.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
110.0	0.2	0.3	0.3	0.3	0.3	0.3	0.2	0.2
115.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
120.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
125.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
130.0	1.4	1.4	1.4	1.4	1.4	1.4	1.3	1.3
135.0	2.7	2.8	2.8	2.8	2.7	2.7	2.7	2.7
140.0	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1
145.0	14.5	14.0	13.3	12.9	12.6	12.6	12.6	12.9
150.0	205.1	201.6	199.5	195.9	192.6	191.2	190.3	189.4
152.5	482.4	479.5	475.6	470.9	466.5	463.5	461.5	461.1
155.0	718.5	721.2	722.5	721.6	720.5	717.6	713.0	707.3
157.5	868.2	869.8	872.8	873.0	868.8	864.8	860.5	856.6
160.0	1067.3	1068.1	1070.3	1068.4	1064.0	1060.0	1055.3	1050.8
162.5	1391.1	1386.3	1384.0	1380.6	1377.1	1370.0	1361.6	1357.1
165.0	1894.5	1890.1	1881.2	1871.9	1863.2	1852.8	1845.2	1840.1
167.5	2840.6	2826.7	2814.1	2802.9	2783.8	2762.6	2744.8	2729.2
170.0	4087.3	4069.9	4054.5	4031.1	4006.0	3972.8	3949.6	3924.9
170.5	4432.1	4410.1	4387.8	4365.1	4340.5	4315.0	4292.4	4265.4
171.0	4804.3	4790.4	4773.7	4749.4	4717.7	4684.8	4660.4	4631.1
171.5	5244.0	5223.1	5199.7	5168.8	5135.1	5092.4	5068.7	5047.3
172.0	5681.3	5653.4	5630.8	5598.3	5577.7	5537.8	5507.3	5476.1
172.5	6158.4	6131.2	6094.3	6063.0	6030.4	5998.2	5963.5	5925.1
173.0	6658.1	6636.5	6605.5	6572.8	6540.9	6501.4	6467.6	6432.1
173.5	7095.3	7074.2	7044.1	7017.4	6991.0	6954.3	6918.7	6886.2
174.0	7537.5	7519.5	7495.1	7464.4	7428.6	7384.5	7352.3	7317.5
174.5	7992.2	7962.2	7933.7	7904.0	7876.2	7832.4	7795.9	7776.6
175.0	8364.5	8337.5	8307.1	8280.7	8253.4	8219.9	8184.0	8154.9
175.5	8706.8	8675.2	8647.9	8632.3	8615.6	8579.7	8552.0	8525.7
176.0	8999.1	8975.4	8946.1	8926.2	8897.2	8869.0	8854.5	8843.5
176.5	9216.4	9205.5	9184.1	9172.3	9156.2	9140.7	9119.1	9103.3
177.0	9436.3	9423.1	9414.7	9405.9	9402.7	9392.3	9371.2	9345.5
177.5	9593.7	9580.7	9580.0	9579.2	9573.7	9558.4	9545.1	9532.2
178.0	9743.6	9730.8	9725.4	9727.4	9719.5	9701.8	9683.7	9665.8
178.5	9838.5	9818.4	9820.6	9825.3	9822.6	9827.6	9827.4	9817.2
179.0	9913.5	9900.9	9895.8	9900.7	9903.1	9895.5	9887.9	9880.2
179.5	9963.4	9948.4	9940.9	9938.3	9950.9	9953.4	9950.9	9950.9
180.0	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4

G/C [cd]	280.0	282.5	285.0	287.5	290.0	292.5	295.0	297.5
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0
100.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
110.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
115.0	0.4	0.3	0.3	0.3	0.3	0.3	0.3	0.3
120.0	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.6
125.0	0.9	0.9	0.9	0.9	0.8	0.8	0.8	0.8
130.0	1.3	1.3	1.3	1.3	1.2	1.2	1.2	1.2
135.0	2.7	2.6	2.6	2.7	2.6	2.6	2.6	2.7
140.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2
145.0	13.1	13.3	13.6	14.1	14.4	14.6	14.9	15.4
150.0	189.7	192.0	198.5	207.0	214.1	220.1	224.1	225.0
152.5	459.9	459.5	462.2	464.6	462.8	458.8	456.6	454.8

Intensity [cd] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd]	280.0	282.5	285.0	287.5	290.0	292.5	295.0	297.5
155.0	701.0	695.6	692.1	689.7	684.1	678.0	674.6	669.4
157.5	851.5	847.6	842.8	840.9	837.6	833.8	830.5	826.6
160.0	1044.0	1036.9	1030.8	1025.4	1019.0	1014.0	1011.7	1009.0
162.5	1352.2	1346.2	1340.3	1332.5	1325.5	1317.9	1315.6	1312.8
165.0	1830.2	1816.3	1804.0	1794.2	1783.8	1771.6	1764.4	1758.2
167.5	2708.8	2687.8	2665.5	2643.6	2626.7	2605.6	2595.6	2587.5
170.0	3900.7	3870.6	3843.7	3812.6	3785.5	3757.1	3738.4	3717.7
170.5	4238.4	4205.3	4175.3	4143.1	4117.0	4089.6	4063.2	4039.9
171.0	4603.8	4570.3	4532.0	4498.6	4470.8	4439.5	4410.3	4386.9
171.5	5019.5	4985.5	4951.6	4919.1	4887.0	4848.9	4814.4	4780.9
172.0	5445.4	5418.4	5381.2	5342.2	5305.7	5265.8	5230.8	5204.8
172.5	5893.9	5863.8	5830.9	5790.3	5754.3	5717.5	5684.5	5655.8
173.0	6395.4	6362.1	6325.8	6283.5	6240.2	6198.9	6167.9	6144.1
173.5	6838.9	6795.0	6770.4	6739.1	6696.3	6648.1	6621.6	6592.7
174.0	7277.3	7250.5	7220.1	7184.7	7147.3	7102.2	7067.8	7041.3
174.5	7753.6	7701.0	7662.3	7642.8	7620.8	7576.2	7541.3	7509.7
175.0	8124.0	8088.6	8064.2	8030.8	7989.7	7953.3	7933.0	7906.3
175.5	8502.0	8486.2	8466.2	8438.9	8408.4	8372.7	8342.1	8302.8
176.0	8819.5	8785.7	8757.6	8736.8	8717.4	8700.3	8691.6	8669.6
176.5	9091.6	9067.5	9046.5	9019.7	8996.5	8970.8	8954.4	8934.8
177.0	9348.6	9319.2	9312.8	9277.5	9263.1	9241.3	9214.7	9195.1
177.5	9517.5	9502.9	9496.2	9480.3	9457.5	9422.4	9400.6	9383.4
178.0	9658.6	9643.9	9626.8	9610.5	9594.6	9573.8	9554.4	9549.5
178.5	9804.7	9794.9	9782.6	9763.2	9756.6	9745.0	9725.4	9723.0
179.0	9882.8	9885.5	9875.5	9870.8	9873.7	9866.6	9864.2	9842.0
179.5	9950.9	9943.3	9940.9	9925.9	9903.6	9893.9	9894.0	9889.0
180.0	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4

G/C [cd]	300.0	302.5	305.0	307.5	310.0	312.5	315.0	317.5
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1
100.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2
110.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
115.0	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4
120.0	0.6	0.6	0.6	0.7	0.6	0.7	0.7	0.7
125.0	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9
130.0	1.2	1.2	1.3	1.3	1.3	1.3	1.3	1.3
135.0	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7
140.0	3.2	3.3	3.3	3.4	3.4	3.4	3.4	3.5
145.0	16.0	16.5	16.9	17.3	17.3	17.3	17.3	17.1
150.0	223.8	221.0	217.4	214.6	212.2	211.0	209.7	207.1
152.5	452.8	449.7	445.4	441.2	439.6	439.8	438.5	434.2
155.0	667.0	663.9	659.8	657.3	657.1	659.6	660.0	657.7
157.5	824.7	821.3	817.4	813.9	813.8	816.4	817.0	818.7
160.0	1008.3	1004.3	1000.3	998.4	997.4	999.4	997.6	993.6
162.5	1312.8	1308.3	1301.4	1295.8	1291.6	1289.2	1286.2	1278.1
165.0	1757.2	1754.3	1748.2	1739.2	1730.4	1722.5	1716.9	1703.9
167.5	2578.4	2561.3	2542.2	2527.3	2509.7	2500.3	2487.7	2474.5
170.0	3706.2	3693.6	3675.6	3656.6	3638.9	3637.1	3633.2	3623.5
170.5	4029.1	4010.3	3990.9	3972.8	3953.2	3942.0	3928.4	3910.8
171.0	4369.4	4349.5	4328.7	4304.1	4282.6	4264.7	4248.8	4230.8
171.5	4764.3	4743.5	4724.0	4703.2	4682.5	4665.4	4644.9	4621.4
172.0	5189.1	5172.5	5144.4	5117.3	5087.4	5068.7	5048.6	5029.6
172.5	5641.2	5621.4	5592.2	5566.5	5532.5	5509.8	5485.1	5460.5
173.0	6120.6	6102.8	6067.6	6040.8	6002.7	5983.6	5967.0	5944.3
173.5	6577.7	6549.2	6520.5	6495.1	6462.9	6442.4	6421.1	6392.9

Intensity [cd] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd]	300.0	302.5	305.0	307.5	310.0	312.5	315.0	317.5
174.0	7022.3	6998.1	6970.9	6939.3	6900.5	6873.4	6850.1	6826.3
174.5	7491.8	7474.4	7446.3	7406.1	7368.2	7332.1	7311.8	7292.4
175.0	7884.3	7866.0	7846.6	7817.7	7783.2	7750.5	7738.2	7718.3
175.5	8286.7	8277.5	8259.5	8234.3	8203.1	8186.5	8169.6	8149.2
176.0	8654.3	8624.2	8599.8	8573.1	8547.7	8536.9	8527.9	8512.0
176.5	8930.1	8916.0	8897.5	8886.8	8864.5	8829.3	8823.1	8804.3
177.0	9193.4	9200.3	9177.8	9157.8	9136.1	9121.6	9115.7	9099.2
177.5	9382.1	9384.8	9377.9	9373.7	9357.4	9348.5	9340.3	9333.5
178.0	9548.6	9549.4	9540.6	9536.8	9541.0	9545.1	9534.6	9530.1
178.5	9732.4	9724.0	9708.2	9705.0	9679.3	9678.7	9683.4	9683.8
179.0	9836.7	9841.2	9838.3	9833.0	9817.6	9819.8	9817.1	9809.8
179.5	9903.8	9913.5	9910.9	9900.7	9890.5	9890.4	9900.4	9903.0
180.0	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4

G/C [cd]	320.0	322.5	325.0	327.5	330.0	332.5	335.0	337.5
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
100.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105.0	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.1
110.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
115.0	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4
120.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
125.0	0.9	0.9	0.9	0.9	0.9	0.9	1.0	0.9
130.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
135.0	2.7	2.6	2.6	2.6	2.5	2.5	2.5	2.4
140.0	3.4	3.4	3.4	3.3	3.3	3.2	3.2	3.2
145.0	16.7	16.4	16.2	16.0	15.7	15.3	14.8	14.0
150.0	203.1	199.1	196.3	193.5	189.2	185.2	181.7	178.8
152.5	426.4	419.0	413.5	408.7	401.8	394.6	389.2	384.4
155.0	650.6	643.9	637.8	632.1	623.9	616.9	610.6	605.5
157.5	811.5	804.0	798.6	795.1	788.9	784.0	781.1	779.0
160.0	984.5	974.6	965.1	956.6	952.0	949.1	944.4	936.7
162.5	1263.3	1250.7	1240.3	1230.5	1219.7	1207.7	1196.9	1187.6
165.0	1686.9	1671.0	1656.1	1643.2	1630.2	1614.7	1601.0	1585.4
167.5	2445.7	2423.9	2407.2	2394.1	2378.1	2362.2	2346.1	2329.9
170.0	3600.7	3579.6	3563.4	3547.5	3532.2	3513.4	3499.2	3486.1
170.5	3887.0	3869.8	3853.0	3837.1	3821.3	3804.3	3792.5	3782.0
171.0	4205.8	4187.5	4170.2	4151.6	4135.4	4112.7	4093.2	4075.4
171.5	4590.0	4562.7	4539.7	4523.6	4509.3	4488.1	4468.5	4448.4
172.0	4999.3	4975.5	4949.3	4918.1	4895.7	4866.1	4841.3	4823.8
172.5	5423.7	5388.2	5361.3	5340.0	5314.5	5283.8	5261.3	5231.6
173.0	5910.8	5878.5	5850.7	5826.8	5793.1	5756.3	5728.5	5706.5
173.5	6357.7	6321.3	6295.2	6273.6	6246.8	6203.8	6175.9	6151.6
174.0	6797.1	6776.5	6752.2	6730.5	6702.9	6661.3	6623.2	6591.7
174.5	7271.7	7251.8	7204.1	7189.8	7166.6	7131.3	7100.4	7079.1
175.0	7676.0	7629.5	7611.2	7619.2	7587.9	7544.0	7532.8	7526.6
175.5	8122.9	8097.3	8078.1	8066.1	8041.5	8004.1	7980.2	7959.3
176.0	8484.5	8457.5	8435.2	8433.1	8422.9	8396.9	8372.8	8342.2
176.5	8775.8	8755.2	8724.9	8720.2	8709.6	8692.8	8686.0	8667.9
177.0	9069.6	9045.4	9047.0	9042.2	9028.6	9006.1	8996.6	8986.2
177.5	9308.1	9288.0	9276.7	9286.9	9285.4	9272.2	9260.1	9242.3
178.0	9516.5	9500.7	9481.5	9481.6	9479.8	9461.1	9446.5	9428.8
178.5	9667.2	9645.8	9651.3	9646.4	9661.8	9645.1	9627.9	9615.3
179.0	9795.2	9783.3	9783.6	9801.2	9816.4	9772.0	9739.7	9734.7
179.5	9903.2	9890.9	9898.5	9898.5	9903.6	9883.8	9878.9	9866.4
180.0	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4

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Intensity [cd] PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd]	340.0	342.5	345.0	347.5	350.0	352.5	355.0	357.5
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105.0	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.2
110.0	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3
115.0	0.4	0.4	0.4	0.4	0.4	0.5	0.5	0.5
120.0	0.7	0.7	0.7	0.8	0.8	0.8	0.8	0.8
125.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
130.0	1.3	1.4	1.4	1.4	1.4	1.4	1.4	1.4
135.0	2.4	2.4	2.4	2.4	2.4	2.3	2.3	2.3
140.0	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1
145.0	13.1	12.1	11.2	10.0	8.8	7.7	7.0	6.5
150.0	176.7	175.9	173.7	170.7	167.4	163.2	159.8	155.9
152.5	382.4	381.6	377.9	374.4	369.3	363.6	358.5	352.8
155.0	603.2	602.5	598.3	591.9	583.9	577.5	570.0	562.4
157.5	777.7	779.9	777.5	772.7	768.8	761.8	754.2	745.2
160.0	932.5	932.2	931.4	928.8	924.5	920.1	913.0	903.4
162.5	1182.1	1179.5	1175.6	1170.4	1162.7	1152.1	1140.8	1129.5
165.0	1577.9	1573.1	1570.4	1564.7	1551.3	1534.8	1520.1	1504.5
167.5	2315.7	2304.8	2296.4	2291.7	2280.7	2264.0	2247.9	2232.3
170.0	3482.3	3479.8	3474.8	3467.9	3464.2	3449.5	3439.7	3425.3
170.5	3766.5	3760.4	3756.8	3758.8	3751.2	3730.0	3718.4	3706.9
171.0	4068.1	4066.0	4058.9	4057.2	4048.4	4035.9	4030.4	4014.1
171.5	4437.0	4429.3	4416.5	4408.8	4398.9	4382.6	4368.0	4352.0
172.0	4808.5	4802.6	4789.1	4778.1	4759.5	4747.2	4733.7	4710.4
172.5	5214.8	5205.9	5194.5	5185.4	5163.4	5144.9	5142.9	5117.5
173.0	5688.4	5674.4	5650.2	5638.1	5628.1	5609.0	5585.3	5560.3
173.5	6137.1	6130.4	6113.5	6093.4	6075.1	6050.0	6027.7	6000.7
174.0	6580.8	6581.3	6556.7	6536.1	6519.6	6496.2	6467.6	6441.0
174.5	7051.9	7042.3	7027.6	7014.2	7004.7	6993.3	6979.1	6950.4
175.0	7508.1	7493.3	7468.2	7454.3	7439.0	7419.1	7398.5	7372.8
175.5	7939.3	7924.2	7906.3	7902.0	7901.2	7893.3	7876.7	7856.7
176.0	8328.2	8325.0	8304.2	8294.1	8294.9	8285.9	8265.5	8233.0
176.5	8654.7	8653.2	8626.4	8620.4	8627.6	8622.5	8610.7	8578.6
177.0	8973.8	8963.8	8953.8	8944.1	8945.1	8943.7	8938.0	8921.6
177.5	9228.1	9219.4	9203.1	9197.1	9194.0	9191.0	9193.8	9172.5
178.0	9425.0	9432.3	9422.1	9414.6	9414.9	9412.8	9403.5	9390.1
178.5	9609.5	9617.7	9605.9	9601.8	9602.9	9596.4	9592.7	9582.1
179.0	9739.1	9750.5	9754.5	9761.1	9780.7	9769.8	9764.1	9746.0
179.5	9871.2	9890.8	9882.9	9872.4	9861.9	9874.3	9866.4	9856.0
180.0	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4	9958.4

PHOTOMETRIC RESULTS

File Name:	PUK ITALIA 1505-QL18-S21 ART-206002 18deg		
Sample Number:	1505-QL18-S21		
Report Number:			
Model:	ART-206002 18deg		
Flux:	1419 lm	Flux 2	0.00 lm
Date:	04/12/2018 15.40.54		
Manufacturer:	PUK ITALIA		

Electrical protocol PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 - Gamma 90 to 180

G [deg]	U [V]	I [A]	P [W]	PF	f [Hz]
90.0	230.09	0.070	15.0	0.9364	50.00
95.0	230.09	0.070	15.0	0.9364	50.00
100.0	230.09	0.070	15.0	0.9364	50.00
105.0	230.09	0.070	15.0	0.9364	50.00
110.0	230.09	0.070	15.0	0.9364	50.00
115.0	230.09	0.070	15.0	0.9364	50.00
120.0	230.09	0.070	15.0	0.9363	50.00
125.0	230.08	0.070	15.0	0.9365	50.00
130.0	230.09	0.070	15.0	0.9364	50.00
135.0	230.09	0.070	15.0	0.9363	50.00
140.0	230.09	0.070	15.0	0.9364	50.00
145.0	230.09	0.070	15.0	0.9364	50.00
150.0	230.09	0.070	15.0	0.9364	50.00
152.5	230.09	0.070	15.0	0.9363	50.00
155.0	230.09	0.070	15.0	0.9364	50.00
157.5	230.09	0.070	15.0	0.9363	50.00
160.0	230.09	0.070	15.0	0.9363	50.00
162.5	230.09	0.070	15.0	0.9363	50.00
165.0	230.09	0.070	15.0	0.9364	50.00
167.5	230.09	0.070	15.0	0.9362	50.00
170.0	230.09	0.070	15.0	0.9364	50.00
170.5	230.09	0.070	15.0	0.9363	50.00
171.0	230.09	0.070	15.0	0.9363	50.00
171.5	230.09	0.070	15.0	0.9364	50.00
172.0	230.09	0.070	15.0	0.9363	50.00
172.5	230.09	0.070	15.0	0.9362	50.00
173.0	230.09	0.070	15.0	0.9363	50.00
173.5	230.09	0.070	15.0	0.9362	50.00
174.0	230.09	0.070	15.0	0.9363	50.00
174.5	230.09	0.070	15.0	0.9362	50.00
175.0	230.09	0.070	15.0	0.9361	50.00
175.5	230.09	0.070	15.0	0.9362	50.00
176.0	230.09	0.070	15.0	0.9363	50.00
176.5	230.09	0.070	15.0	0.9363	50.00
177.0	230.09	0.070	15.0	0.9362	50.00

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Electrical protocol PUK ITALIA 1505-QL18-S21 ART-206002 18deg / C0 to C355 in 5 -
Gamma 90 to 180

G [deg]	U [V]	I [A]	P [W]	PF	f [Hz]
177.5	230.09	0.070	15.0	0.9362	50.00
178.0	230.09	0.070	15.0	0.9364	50.00
178.5	230.09	0.070	15.0	0.9361	50.00
179.0	230.09	0.070	15.0	0.9362	50.00
179.5	230.09	0.070	15.0	0.9361	50.00
180.0	230.09	0.070	15.0	0.9361	50.00