

PHOTOMETRIC RESULTS

File Name:	PUK ITALIA 1505-QL18-S19 ART-206002 36deg		
Sample Number:	1505-QL18-S19		
Report Number:			
Model:	ART-206002 36deg		
Flux:	1456 lm	Flux 2	0.00 lm
Date:	04/12/2018 14.15.10		
Manufacturer:	ART-206002		

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:	-320.8°	-319.9°
Half peak side angle (left):	160.6°	159.8°
Half peak side angle (right):	-160.2°	-160.0°
One tenth peak divergence:	-300.1°	-300.3°
Tenth peak side angle (left):	149.2°	150.4°
Tenth peak side angle (right):	-150.9°	-149.9°

Road lighting lantern class. (acc. CIE No 34-1977):	Value	Classification
Throw:	-1.0°	-
Spread:	84.3°	Broad
SLI:	Not available	Broad

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		

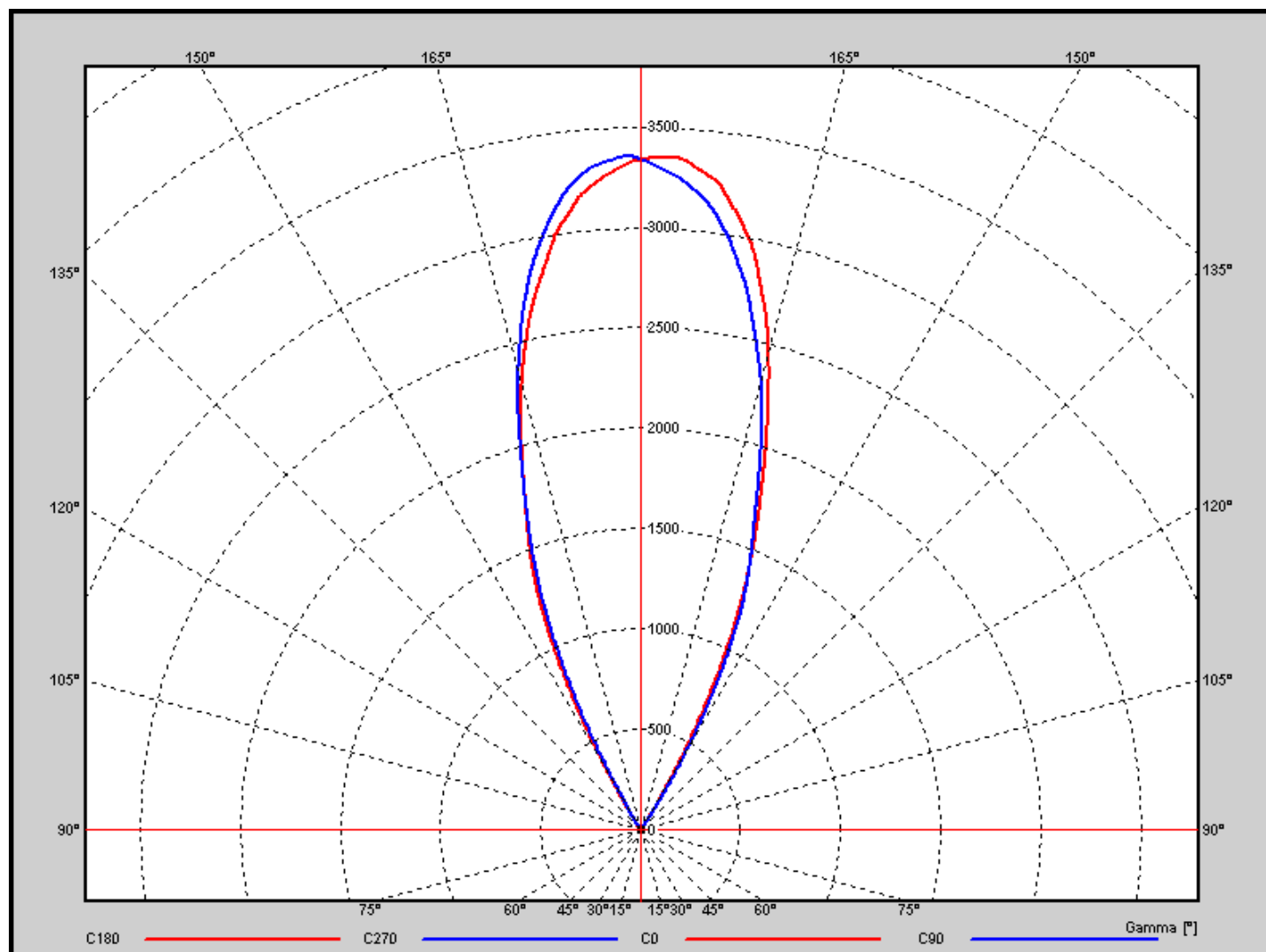
C-planes:	0.0°	2.5°	5.0°	7.5°	10.0°	12.5°	15.0°	17.5°	20.0°	22.5°
	25.0°	27.5°	30.0°	32.5°	35.0°	37.5°	40.0°	42.5°	45.0°	47.5°
	50.0°	52.5°	55.0°	57.5°	60.0°	62.5°	65.0°	67.5°	70.0°	72.5°
	75.0°	77.5°	80.0°	82.5°	85.0°	87.5°	90.0°	92.5°	95.0°	97.5°
	100.0°	102.5°	105.0°	107.5°	110.0°	112.5°	115.0°	117.5°	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°	142.5°	145.0°	147.5°	150.0°	152.5°	155.0°	157.5°	160.0°	162.5°
	165.0°	166.0°	167.0°	168.0°	169.0°	170.0°	171.0°	172.0°	173.0°	174.0°
	175.0°	176.0°	177.0°	178.0°	179.0°	180.0°				

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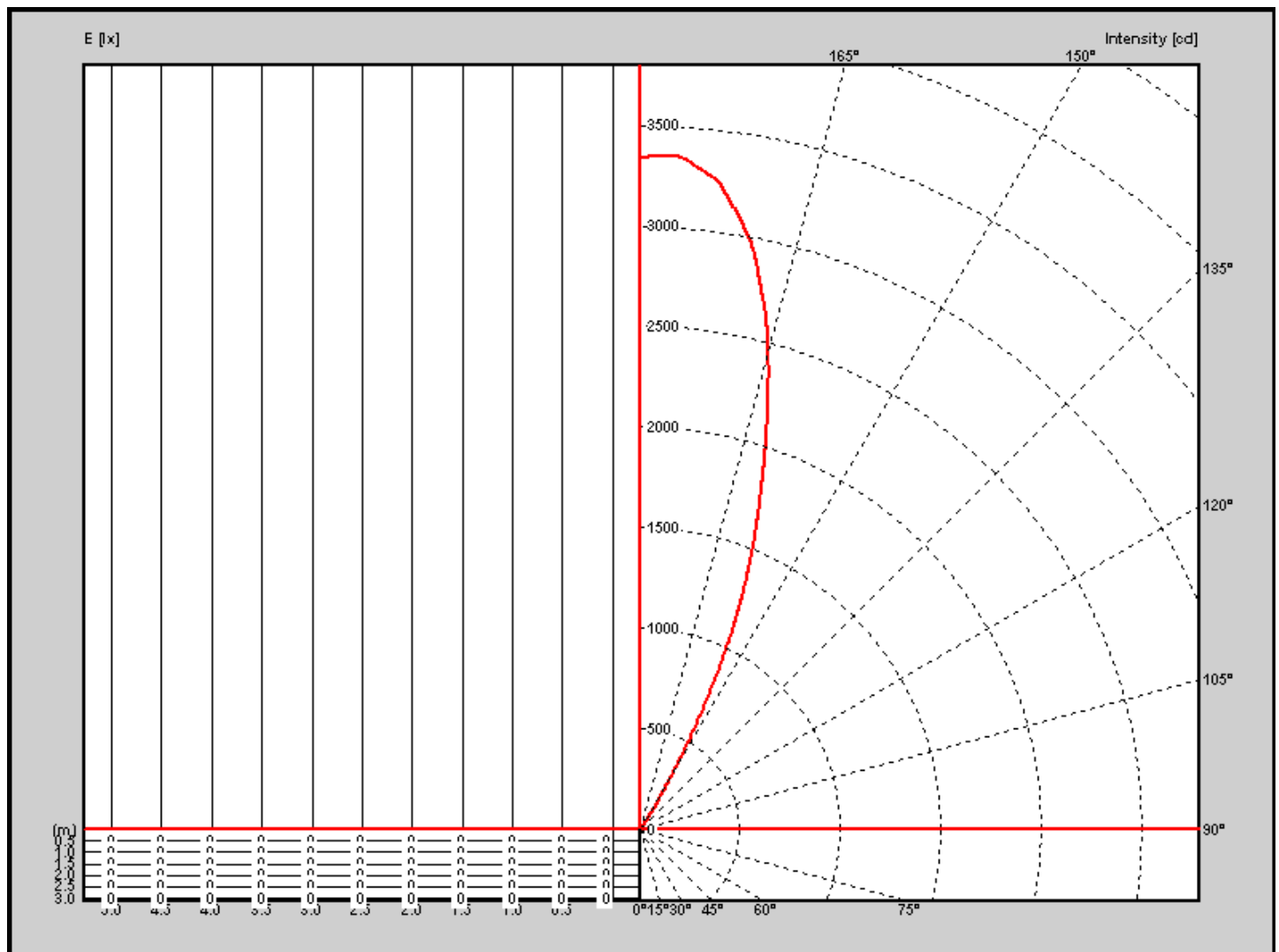
Polar diagram PUK ITALIA 1505-QL18-S19 ART-206002 36deg / C0 to C355 in 5 - Gamma 90 to 180



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Illuminance and Intensity diagram PUK ITALIA 1505-QL18-S19 ART-206002 36deg / C0 to C355 in 5 - Gamma 90 to 180



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Zonal flux PUK ITALIA 1505-QL18-S19 ART-206002 36deg / 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	0.04	0.02	0	0	0.00	0.00
95.0	0.02	0.05	0.04	0	0	0.00	0.00
100.0	0.05	0.11	0.08	0	0	0.00	0.00
105.0	0.10	0.16	0.13	0	0	0.01	0.01
110.0	0.15	0.28	0.20	0	0	0.01	0.02
115.0	0.27	0.44	0.33	0	0	0.01	0.03
120.0	0.43	0.67	0.52	0	1	0.02	0.05
125.0	0.70	0.99	0.82	0	1	0.03	0.08
130.0	1.17	1.57	1.35	1	2	0.05	0.13
135.0	1.99	2.80	2.33	1	3	0.07	0.21
140.0	3.58	5.82	4.52	2	5	0.13	0.33
142.5	5.30	11.64	7.82	2	6	0.11	0.44
145.0	10.40	30.51	18.82	3	10	0.22	0.65
147.5	33.50	111.13	70.06	10	19	0.68	1.33
150.0	142.86	308.81	224.66	31	50	2.10	3.43
152.5	383.18	558.46	469.18	67	116	4.57	8.00
155.0	665.10	805.06	735.27	106	223	7.30	15.30
157.5	910.15	994.78	958.77	136	359	9.35	24.65
160.0	1116.13	1202.36	1159.78	153	512	10.52	35.18
162.5	1335.83	1446.01	1387.41	163	675	11.22	46.40
165.0	1575.07	1712.52	1627.89	168	844	11.57	57.97
166.0	1650.07	1803.65	1710.86	67	910	4.58	62.55
167.0	1721.58	1887.90	1792.31	65	976	4.48	67.03
168.0	1796.59	1965.27	1868.49	63	1039	4.34	71.38
169.0	1862.87	2034.00	1937.82	61	1100	4.16	75.54
170.0	1922.17	2094.70	1997.34	57	1157	3.93	79.47
171.0	1986.71	2149.14	2057.44	53	1210	3.67	83.14
172.0	2032.06	2196.09	2108.74	49	1259	3.38	86.52
173.0	2087.88	2235.88	2156.64	44	1304	3.05	89.57
174.0	2131.48	2262.73	2195.26	39	1343	2.70	92.27
175.0	2168.11	2291.96	2226.39	34	1377	2.32	94.60
176.0	2201.25	2305.72	2252.19	28	1405	1.93	96.52

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Zonal flux PUK ITALIA 1505-QL18-S19 ART-206002 36deg / 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 [%]
177.0	2225.83	2317.75	2270.48	22	1427	1.51	98.04
178.0	2246.61	2312.71	2282.14	16	1443	1.09	99.12
179.0	2265.79	2310.90	2290.52	10	1452	0.66	99.78
180.0	2291.96	2291.96	2291.96	3	1456	0.22	100.00

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Manufacturer:	ART-206002		

Intensity [cd/klm] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / 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	0.03	0.03	0.03	0.05	0.05	0.03	0.03	0.03
100.0	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
105.0	0.12	0.12	0.12	0.12	0.12	0.14	0.12	0.12
110.0	0.23	0.23	0.24	0.22	0.22	0.22	0.21	0.21
115.0	0.35	0.35	0.36	0.35	0.34	0.34	0.33	0.33
120.0	0.54	0.56	0.55	0.55	0.53	0.53	0.53	0.52
125.0	0.80	0.82	0.81	0.81	0.81	0.81	0.81	0.80
130.0	1.33	1.30	1.32	1.33	1.31	1.31	1.31	1.31
135.0	2.16	2.16	2.17	2.16	2.17	2.17	2.19	2.20
140.0	3.98	4.00	4.00	4.01	4.02	4.03	4.07	4.12
142.5	6.23	6.28	6.34	6.37	6.40	6.46	6.52	6.63
145.0	13.13	13.32	13.46	13.64	13.97	14.35	14.78	15.20
147.5	47.51	48.31	49.77	52.30	55.62	58.88	61.57	64.45
150.0	198.50	201.55	203.04	205.71	209.71	214.72	219.88	224.70
152.5	446.36	449.87	450.94	453.21	457.01	461.15	466.15	471.71
155.0	725.26	727.41	724.49	725.41	729.15	734.12	738.81	743.11
157.5	968.41	968.43	964.42	964.28	968.00	972.62	975.25	978.19
160.0	1193.60	1191.02	1183.74	1182.42	1186.51	1190.61	1192.20	1194.07
162.5	1435.53	1432.91	1425.76	1423.19	1424.50	1425.15	1427.95	1432.26
165.0	1690.19	1686.80	1678.69	1680.54	1683.18	1683.64	1688.36	1689.99
166.0	1784.38	1778.96	1770.51	1770.35	1771.14	1769.80	1769.41	1771.29
167.0	1862.87	1862.43	1857.13	1856.71	1857.36	1855.97	1853.91	1854.32
168.0	1941.36	1937.21	1929.89	1929.25	1931.52	1928.34	1924.62	1923.51
169.0	2019.85	2013.72	2002.65	2000.06	2003.95	2004.17	2002.23	1999.62
170.0	2075.67	2069.37	2061.55	2057.06	2057.41	2059.31	2059.14	2058.44
171.0	2128.00	2125.02	2116.98	2115.78	2116.05	2112.73	2109.15	2110.33
172.0	2173.35	2168.49	2163.76	2162.42	2162.61	2160.99	2157.44	2158.76
173.0	2223.93	2218.92	2212.27	2209.05	2205.73	2204.07	2204.00	2202.01
174.0	2248.35	2246.74	2243.45	2245.32	2243.67	2240.26	2238.49	2236.60
175.0	2269.28	2265.87	2264.24	2266.05	2267.81	2267.83	2267.81	2267.74
176.0	2291.96	2286.74	2283.29	2283.32	2281.61	2278.17	2278.16	2279.85
177.0	2302.42	2298.91	2293.69	2293.68	2295.41	2293.68	2295.41	2295.42
178.0	2302.42	2298.91	2295.42	2298.86	2300.58	2300.57	2302.30	2302.33
179.0	2298.93	2298.91	2295.42	2295.41	2298.85	2300.57	2302.30	2304.06
180.0	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96

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	0.03	0.05	0.05	0.05	0.05	0.05	0.05	0.05
100.0	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09

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Intensity [cd/klm] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / 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
105.0	0.12	0.14	0.12	0.12	0.14	0.12	0.14	0.14
110.0	0.21	0.19	0.19	0.19	0.19	0.19	0.19	0.19
115.0	0.33	0.31	0.31	0.31	0.31	0.31	0.33	0.33
120.0	0.52	0.50	0.51	0.51	0.49	0.49	0.50	0.50
125.0	0.80	0.80	0.82	0.82	0.82	0.82	0.81	0.83
130.0	1.32	1.32	1.34	1.34	1.34	1.35	1.39	1.40
135.0	2.22	2.24	2.25	2.27	2.30	2.31	2.36	2.38
140.0	4.16	4.21	4.26	4.27	4.32	4.36	4.42	4.43
142.5	6.72	6.86	6.99	7.12	7.19	7.28	7.38	7.50
145.0	15.75	16.48	17.09	17.55	17.83	18.23	18.64	18.97
147.5	67.42	70.62	73.97	76.71	78.18	79.65	81.21	82.76
150.0	230.06	234.42	237.57	239.31	240.34	241.70	244.44	246.27
152.5	477.97	484.15	488.57	490.49	491.83	496.07	499.62	500.30
155.0	748.74	757.02	759.80	759.28	761.08	761.55	761.21	760.88
157.5	981.23	985.70	986.73	985.16	984.70	986.24	985.56	983.18
160.0	1197.95	1202.36	1201.97	1199.53	1197.01	1194.77	1193.62	1189.95
162.5	1434.42	1437.48	1437.27	1435.53	1433.34	1430.74	1427.49	1422.77
165.0	1687.35	1689.82	1690.19	1686.70	1678.91	1672.09	1663.10	1660.76
166.0	1770.51	1773.35	1772.17	1765.19	1760.77	1753.69	1749.72	1743.54
167.0	1851.93	1851.66	1848.91	1843.68	1839.14	1835.30	1832.87	1826.32
168.0	1924.69	1929.98	1929.15	1916.94	1912.29	1908.23	1903.90	1897.03
169.0	1993.98	1994.37	1993.69	1988.46	1981.95	1974.21	1968.00	1962.56
170.0	2052.89	2053.54	2049.50	2040.78	2032.46	2029.77	2023.44	2016.02
171.0	2106.59	2105.75	2100.09	2091.37	2088.19	2081.86	2077.14	2072.94
172.0	2153.37	2152.73	2150.67	2143.69	2136.95	2130.48	2125.65	2121.22
173.0	2198.41	2199.72	2196.02	2187.30	2182.23	2173.89	2170.69	2166.06
174.0	2233.06	2232.79	2229.16	2222.19	2217.07	2208.61	2207.07	2204.00
175.0	2264.24	2264.11	2260.56	2248.35	2237.97	2232.92	2229.59	2229.87
176.0	2278.10	2279.77	2276.26	2272.77	2267.57	2264.17	2262.51	2259.19
177.0	2291.96	2295.44	2297.19	2290.21	2284.99	2274.59	2272.90	2276.43
178.0	2300.62	2302.40	2300.68	2293.70	2291.96	2290.22	2288.49	2285.06
179.0	2298.89	2304.14	2304.17	2298.93	2293.70	2293.69	2298.89	2298.85
180.0	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96

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	0.03	0.02	0.02
95.0	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
100.0	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
105.0	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
110.0	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
115.0	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.35
120.0	0.50	0.51	0.51	0.52	0.54	0.52	0.54	0.54
125.0	0.84	0.84	0.84	0.84	0.85	0.85	0.87	0.87
130.0	1.41	1.42	1.42	1.45	1.46	1.47	1.48	1.47
135.0	2.41	2.45	2.49	2.50	2.53	2.53	2.55	2.55
140.0	4.49	4.52	4.56	4.60	4.66	4.70	4.76	4.84
142.5	7.63	7.74	7.85	8.03	8.12	8.24	8.44	8.67
145.0	19.36	19.75	20.14	20.52	20.82	21.10	21.62	22.23
147.5	84.71	86.35	87.55	88.77	89.82	90.53	92.08	93.53
150.0	250.34	253.52	256.62	259.18	261.42	262.51	265.86	270.11
152.5	504.64	508.75	512.05	515.43	516.95	516.34	517.65	521.84
155.0	766.51	769.30	772.44	773.23	773.51	773.30	774.12	777.74
157.5	986.07	986.16	985.18	983.65	981.75	978.03	978.12	980.58
160.0	1189.65	1186.23	1185.23	1183.37	1179.93	1172.87	1172.22	1173.37
162.5	1423.66	1421.77	1421.12	1418.26	1413.63	1407.10	1405.76	1406.03

Intensity [cd/klm] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd/klm]	40.0	42.5	45.0	47.5	50.0	52.5	55.0	57.5
165.0	1659.22	1654.73	1654.25	1649.17	1645.77	1639.59	1635.13	1634.88
166.0	1741.75	1735.24	1731.40	1726.72	1723.73	1717.67	1716.80	1716.37
167.0	1824.28	1814.04	1806.82	1802.55	1799.96	1794.01	1791.51	1787.45
168.0	1894.78	1885.98	1882.25	1876.65	1872.72	1866.88	1866.23	1865.46
169.0	1960.11	1951.07	1945.68	1942.13	1938.55	1938.01	1937.48	1933.08
170.0	2011.69	2002.46	1998.82	1995.55	1993.98	1990.06	1987.87	1983.36
171.0	2070.15	2062.42	2058.82	2055.87	2052.89	2047.32	2048.69	2047.50
172.0	2121.74	2112.09	2106.82	2098.95	2097.93	2094.16	2099.08	2099.51
173.0	2164.72	2156.63	2151.39	2150.65	2149.90	2144.48	2145.99	2146.32
174.0	2204.27	2196.03	2190.81	2186.84	2186.28	2182.65	2184.22	2184.47
175.0	2230.06	2221.72	2214.81	2212.68	2210.53	2206.94	2212.02	2212.21
176.0	2259.29	2252.56	2250.81	2247.15	2245.18	2243.38	2245.04	2245.15
177.0	2283.36	2279.96	2274.81	2267.83	2264.24	2262.46	2262.42	2262.48
178.0	2285.08	2279.96	2278.24	2273.00	2271.17	2267.67	2271.10	2271.15
179.0	2295.39	2285.10	2281.67	2283.34	2283.29	2281.55	2285.01	2286.75
180.0	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96

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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
100.0	0.09	0.09	0.10	0.09	0.09	0.09	0.10	0.10
105.0	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
110.0	0.21	0.21	0.21	0.22	0.22	0.22	0.22	0.24
115.0	0.35	0.34	0.34	0.36	0.36	0.36	0.38	0.40
120.0	0.54	0.55	0.55	0.55	0.56	0.58	0.59	0.61
125.0	0.88	0.89	0.89	0.91	0.91	0.93	0.93	0.95
130.0	1.49	1.50	1.49	1.51	1.51	1.51	1.52	1.54
135.0	2.56	2.56	2.59	2.59	2.58	2.61	2.62	2.63
140.0	4.91	4.97	5.03	5.11	5.17	5.22	5.27	5.30
142.5	8.91	9.09	9.25	9.45	9.64	9.76	9.85	10.00
145.0	22.71	23.21	23.90	24.50	24.87	25.36	25.71	25.88
147.5	94.70	96.15	98.20	99.53	99.89	100.07	100.49	101.09
150.0	273.58	278.24	283.62	287.99	290.82	292.84	293.77	296.59
152.5	525.41	530.49	536.85	542.56	545.86	547.43	545.87	547.09
155.0	781.54	786.01	794.54	800.73	801.93	802.18	798.83	798.98
157.5	983.45	986.81	992.32	994.78	992.78	990.21	986.01	985.73
160.0	1172.06	1173.85	1178.94	1181.12	1177.82	1174.46	1169.57	1167.81
162.5	1404.19	1405.80	1409.51	1410.83	1407.01	1405.02	1399.97	1396.31
165.0	1633.90	1636.37	1636.13	1633.68	1627.82	1624.61	1620.38	1618.06
166.0	1716.81	1717.25	1718.54	1715.97	1706.56	1703.53	1696.15	1692.55
167.0	1785.89	1789.52	1790.64	1789.68	1783.58	1780.73	1771.92	1768.77
168.0	1861.89	1863.50	1864.47	1863.39	1855.47	1851.06	1845.96	1846.73
169.0	1930.98	1930.61	1931.42	1926.82	1922.23	1919.68	1911.40	1912.56
170.0	1982.79	1987.39	1991.51	1990.25	1982.14	1978.01	1973.39	1971.46
171.0	2043.24	2047.62	2049.88	2048.53	2042.05	2039.77	2033.66	2033.83
172.0	2098.51	2100.96	2103.11	2099.96	2091.69	2089.52	2085.32	2085.80
173.0	2146.87	2150.86	2152.89	2151.39	2144.75	2140.99	2135.26	2134.31
174.0	2183.14	2185.27	2185.51	2180.53	2173.85	2177.01	2174.86	2175.89
175.0	2214.23	2219.69	2218.13	2209.67	2206.37	2206.18	2207.58	2205.34
176.0	2245.32	2245.50	2243.88	2240.53	2235.47	2240.49	2238.58	2236.52
177.0	2260.87	2266.15	2269.64	2266.24	2261.15	2259.36	2255.79	2255.58
178.0	2276.41	2283.35	2281.65	2279.96	2271.42	2269.65	2264.40	2265.97
179.0	2288.50	2291.96	2295.39	2293.67	2286.82	2285.09	2281.62	2281.56
180.0	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96

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Intensity [cd/klm] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / 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
90.0	0.02	0.02	0.04	0.02	0.02	0.02	0.03	0.02
95.0	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
100.0	0.10	0.11	0.11	0.11	0.11	0.11	0.10	0.10
105.0	0.16	0.14	0.16	0.14	0.16	0.14	0.14	0.16
110.0	0.26	0.28	0.28	0.28	0.28	0.28	0.28	0.28
115.0	0.42	0.42	0.44	0.44	0.44	0.44	0.44	0.43
120.0	0.63	0.65	0.65	0.67	0.67	0.67	0.66	0.64
125.0	0.96	0.98	0.99	0.99	0.98	0.98	0.98	0.97
130.0	1.55	1.56	1.57	1.55	1.55	1.56	1.55	1.55
135.0	2.65	2.66	2.66	2.66	2.65	2.66	2.69	2.68
140.0	5.34	5.36	5.40	5.42	5.44	5.48	5.53	5.56
142.5	10.15	10.24	10.43	10.54	10.63	10.73	10.88	11.07
145.0	26.16	26.46	26.84	27.14	27.33	27.59	28.07	28.55
147.5	101.29	101.22	101.67	102.11	101.95	102.27	103.40	104.47
150.0	298.62	299.76	301.49	301.31	299.80	299.93	301.93	303.91
152.5	547.35	546.11	546.52	545.11	543.40	543.84	546.13	547.01
155.0	797.30	791.94	789.08	786.09	783.13	782.49	784.92	786.11
157.5	983.41	977.71	975.36	972.19	970.00	969.13	969.46	970.30
160.0	1162.72	1155.78	1152.31	1147.74	1144.05	1142.48	1142.32	1142.50
162.5	1390.17	1383.23	1377.28	1370.25	1364.64	1363.97	1362.27	1365.79
165.0	1611.70	1603.84	1598.92	1595.40	1591.20	1588.09	1587.28	1588.21
166.0	1686.70	1679.13	1672.79	1667.52	1663.20	1663.38	1660.53	1661.19
167.0	1763.45	1754.42	1750.19	1746.67	1738.73	1735.16	1733.79	1737.65
168.0	1841.94	1833.21	1829.34	1820.55	1814.25	1813.95	1812.28	1812.37
169.0	1911.71	1906.75	1903.22	1896.18	1891.52	1891.00	1887.29	1888.82
170.0	1974.50	1968.04	1963.03	1955.99	1951.24	1950.53	1950.08	1949.64
171.0	2030.32	2025.82	2022.83	2019.31	2014.46	2013.56	2014.62	2015.67
172.0	2082.65	2078.34	2073.84	2070.32	2068.91	2067.84	2068.69	2071.27
173.0	2128.00	2122.12	2121.33	2119.58	2119.84	2120.37	2119.27	2123.40
174.0	2173.35	2171.14	2168.83	2161.79	2160.23	2158.89	2157.65	2159.90
175.0	2204.74	2202.66	2200.49	2195.21	2190.09	2192.15	2192.53	2196.39
176.0	2232.65	2230.67	2228.63	2219.84	2218.19	2221.92	2222.19	2224.19
177.0	2251.84	2249.93	2247.98	2244.46	2242.78	2244.68	2244.86	2248.52
178.0	2269.28	2267.44	2263.81	2260.29	2258.59	2260.44	2262.30	2265.89
179.0	2281.49	2281.45	2283.16	2279.64	2277.91	2281.45	2281.49	2286.74
180.0	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96

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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
100.0	0.10	0.10	0.09	0.09	0.09	0.10	0.10	0.10
105.0	0.14	0.15	0.14	0.14	0.14	0.14	0.14	0.14
110.0	0.26	0.26	0.24	0.22	0.22	0.23	0.23	0.21
115.0	0.43	0.41	0.40	0.38	0.36	0.36	0.37	0.37
120.0	0.64	0.62	0.60	0.60	0.59	0.57	0.57	0.56
125.0	0.97	0.95	0.95	0.93	0.91	0.92	0.92	0.91
130.0	1.54	1.53	1.53	1.53	1.54	1.53	1.55	1.55
135.0	2.68	2.68	2.70	2.71	2.73	2.74	2.75	2.77
140.0	5.62	5.66	5.71	5.76	5.76	5.79	5.81	5.82
142.5	11.17	11.24	11.39	11.48	11.53	11.60	11.64	11.63
145.0	28.97	29.35	29.79	30.17	30.29	30.39	30.47	30.51
147.5	105.23	106.41	108.08	108.95	109.28	110.00	110.77	111.13
150.0	305.59	306.74	308.18	308.81	307.72	307.39	306.46	304.96
152.5	549.83	551.93	554.92	555.93	556.59	557.91	558.46	557.84
155.0	788.88	792.81	797.71	797.88	798.22	802.53	805.06	804.97

Intensity [cd/klm] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd/klm]	100.0	102.5	105.0	107.5	110.0	112.5	115.0	117.5
157.5	973.82	976.96	981.82	984.51	985.64	988.21	990.74	990.97
160.0	1145.29	1147.70	1151.83	1151.15	1152.71	1158.29	1163.73	1164.27
162.5	1367.22	1366.92	1369.67	1371.73	1372.07	1374.83	1376.57	1377.61
165.0	1588.47	1585.28	1588.19	1590.58	1587.80	1591.54	1595.84	1598.80
166.0	1664.52	1662.66	1665.63	1664.68	1663.74	1662.62	1667.19	1670.20
167.0	1738.84	1738.31	1741.34	1742.23	1741.40	1742.37	1742.03	1743.35
168.0	1813.17	1808.81	1808.44	1809.44	1810.44	1815.19	1818.60	1818.24
169.0	1885.77	1879.30	1880.71	1881.82	1879.47	1881.07	1882.99	1882.68
170.0	1947.99	1941.20	1944.38	1943.85	1939.88	1943.48	1945.64	1945.38
171.0	2015.40	2006.54	2004.60	2005.89	2005.46	2009.36	2010.03	2006.33
172.0	2065.53	2059.84	2061.38	2062.76	2060.69	2059.64	2060.50	2060.32
173.0	2120.84	2111.42	2109.56	2109.29	2105.56	2108.18	2107.49	2103.86
174.0	2155.41	2147.53	2145.70	2147.20	2145.26	2149.79	2152.73	2147.40
175.0	2193.43	2181.91	2180.11	2179.94	2178.05	2181.00	2184.06	2183.98
176.0	2222.82	2214.58	2212.80	2210.96	2210.84	2212.21	2211.90	2208.36
177.0	2245.29	2236.94	2231.73	2231.64	2228.10	2229.54	2232.79	2234.48
178.0	2262.57	2252.41	2250.66	2250.60	2248.81	2253.81	2257.15	2257.12
179.0	2285.04	2278.20	2278.19	2276.45	2271.25	2274.62	2274.55	2272.80
180.0	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96

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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
100.0	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
105.0	0.14	0.14	0.14	0.14	0.14	0.14	0.14	0.14
110.0	0.21	0.21	0.21	0.21	0.21	0.21	0.21	0.21
115.0	0.35	0.35	0.35	0.35	0.35	0.35	0.35	0.35
120.0	0.56	0.56	0.54	0.54	0.54	0.54	0.54	0.54
125.0	0.90	0.89	0.89	0.88	0.89	0.89	0.87	0.89
130.0	1.55	1.56	1.56	1.56	1.56	1.57	1.57	1.53
135.0	2.78	2.78	2.78	2.77	2.80	2.80	2.78	2.77
140.0	5.79	5.79	5.78	5.75	5.75	5.73	5.67	5.66
142.5	11.62	11.54	11.43	11.30	11.23	11.19	11.11	11.05
145.0	30.34	30.10	29.74	29.31	29.19	29.10	28.69	28.33
147.5	110.84	110.46	108.92	107.22	106.63	106.09	104.16	102.14
150.0	302.58	299.92	296.39	292.08	289.79	287.67	283.80	280.53
152.5	556.82	554.83	550.94	545.18	543.82	541.92	537.86	534.62
155.0	802.53	801.58	798.36	794.30	796.45	795.83	789.32	786.43
157.5	988.78	988.37	986.24	981.57	983.98	986.22	983.21	979.26
160.0	1161.98	1162.14	1159.00	1155.68	1158.83	1161.64	1158.67	1156.42
162.5	1375.52	1374.48	1371.70	1368.59	1369.96	1371.35	1366.83	1364.38
165.0	1594.63	1589.95	1585.27	1581.68	1583.53	1587.14	1584.20	1581.92
166.0	1664.19	1661.19	1656.46	1654.44	1656.46	1658.49	1655.50	1651.53
167.0	1738.96	1741.12	1734.59	1730.66	1736.33	1738.55	1735.49	1729.84
168.0	1813.74	1814.10	1810.99	1806.89	1809.26	1813.38	1808.52	1806.42
169.0	1879.82	1878.40	1871.76	1867.52	1871.76	1874.29	1869.39	1869.07
170.0	1938.95	1937.48	1932.54	1929.89	1932.54	1935.20	1930.25	1933.46
171.0	1999.81	1998.29	1998.52	1993.98	1996.78	1997.85	1992.85	1990.89
172.0	2055.46	2053.90	2050.61	2049.42	2050.61	2050.06	2048.50	2048.32
173.0	2098.93	2097.34	2095.75	2094.46	2099.22	2102.27	2100.67	2098.78
174.0	2142.41	2142.52	2140.90	2137.77	2139.16	2140.55	2140.67	2138.81
175.0	2184.14	2185.96	2184.30	2181.08	2184.30	2185.80	2184.14	2182.32
176.0	2206.75	2208.55	2208.61	2203.60	2206.88	2210.16	2211.96	2215.38
177.0	2229.35	2231.14	2231.18	2229.59	2232.92	2232.79	2229.35	2225.83
178.0	2253.70	2253.73	2252.02	2252.11	2255.49	2258.89	2257.18	2257.15

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Intensity [cd/klm] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / 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
179.0	2269.35	2272.84	2271.12	2269.44	2274.59	2279.77	2276.31	2278.03
180.0	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96

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	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05
100.0	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
105.0	0.14	0.14	0.14	0.14	0.14	0.12	0.12	0.12
110.0	0.21	0.21	0.19	0.19	0.21	0.19	0.19	0.19
115.0	0.33	0.33	0.33	0.33	0.33	0.33	0.33	0.33
120.0	0.52	0.52	0.52	0.52	0.51	0.51	0.51	0.53
125.0	0.87	0.87	0.87	0.85	0.84	0.84	0.84	0.84
130.0	1.52	1.51	1.50	1.48	1.45	1.43	1.42	1.40
135.0	2.75	2.71	2.68	2.65	2.62	2.56	2.55	2.54
140.0	5.64	5.60	5.57	5.53	5.51	5.42	5.41	5.38
142.5	11.01	10.89	10.82	10.71	10.59	10.45	10.34	10.22
145.0	27.97	27.62	27.26	26.86	26.57	26.27	26.05	25.81
147.5	100.21	98.36	96.45	94.57	92.66	90.46	88.91	87.32
150.0	277.26	274.97	273.08	269.84	266.61	262.86	261.39	260.21
152.5	531.89	528.70	526.66	524.32	522.20	517.70	516.30	515.87
155.0	784.25	783.30	784.94	782.65	780.42	775.85	774.72	776.43
157.5	979.48	979.43	980.00	981.84	979.89	975.91	979.94	984.24
160.0	1156.60	1156.42	1155.73	1154.00	1153.32	1150.16	1154.38	1158.59
162.5	1363.68	1362.64	1363.68	1364.01	1361.89	1357.03	1362.93	1366.76
165.0	1579.64	1578.44	1579.64	1578.55	1578.67	1575.07	1581.62	1587.55
166.0	1651.04	1651.53	1652.79	1651.81	1653.85	1650.07	1655.11	1661.14
167.0	1725.93	1724.62	1729.42	1730.30	1729.02	1721.58	1730.34	1739.99
168.0	1802.56	1801.20	1802.56	1805.31	1804.19	1796.59	1800.32	1811.84
169.0	1870.49	1869.07	1870.49	1868.10	1870.63	1862.87	1870.31	1880.18
170.0	1931.44	1928.24	1927.96	1925.66	1928.32	1922.17	1929.79	1938.00
171.0	1992.40	1992.63	1992.40	1991.94	1993.01	1986.71	1991.03	1999.33
172.0	2046.39	2043.10	2044.65	2044.27	2040.21	2032.06	2040.02	2051.90
173.0	2095.15	2095.30	2093.41	2094.86	2097.90	2087.88	2092.50	2099.21
174.0	2136.95	2137.07	2135.21	2134.97	2138.11	2131.48	2139.74	2148.27
175.0	2177.01	2175.36	2173.53	2171.60	2174.82	2168.11	2174.73	2185.07
176.0	2213.58	2208.42	2204.88	2203.00	2208.04	2201.25	2206.23	2216.61
177.0	2229.26	2232.79	2236.22	2234.40	2239.51	2230.91	2235.97	2246.40
178.0	2255.38	2255.41	2257.12	2253.58	2255.24	2246.61	2249.97	2258.66
179.0	2274.54	2274.55	2276.28	2274.51	2272.73	2265.79	2270.96	2279.69
180.0	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96

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	0.05	0.05	0.05	0.05	0.05	0.05	0.03	0.03
100.0	0.09	0.09	0.09	0.09	0.09	0.09	0.09	0.09
105.0	0.14	0.12	0.12	0.14	0.14	0.14	0.14	0.14
110.0	0.21	0.21	0.21	0.22	0.22	0.24	0.24	0.24
115.0	0.33	0.33	0.33	0.34	0.34	0.34	0.36	0.36
120.0	0.51	0.52	0.54	0.53	0.55	0.55	0.56	0.56
125.0	0.82	0.83	0.83	0.83	0.84	0.84	0.84	0.85
130.0	1.38	1.37	1.37	1.36	1.35	1.35	1.35	1.34
135.0	2.49	2.45	2.44	2.41	2.40	2.39	2.39	2.38
140.0	5.29	5.22	5.15	5.06	4.98	4.94	4.88	4.81
142.5	10.01	9.87	9.77	9.61	9.41	9.21	9.07	8.94

Intensity [cd/klm] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / 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
145.0	25.41	25.11	24.68	24.16	23.55	23.00	22.60	22.15
147.5	85.39	83.80	81.98	79.85	77.59	75.68	73.70	71.53
150.0	257.76	255.74	253.05	250.52	247.68	244.91	242.50	239.74
152.5	513.95	510.79	506.96	504.64	503.24	500.58	498.30	494.78
155.0	774.67	773.99	769.69	764.27	762.73	760.51	759.89	756.11
157.5	981.74	980.11	977.62	975.41	975.15	975.19	974.08	971.70
160.0	1154.34	1153.79	1152.72	1148.73	1148.72	1151.27	1151.61	1147.00
162.5	1361.94	1360.25	1358.58	1356.60	1355.66	1359.46	1360.85	1356.81
165.0	1581.38	1580.60	1579.83	1576.69	1578.18	1579.78	1580.84	1579.55
166.0	1656.27	1655.21	1654.15	1654.06	1656.92	1660.05	1660.99	1661.16
167.0	1734.64	1733.28	1731.93	1731.43	1732.23	1733.48	1734.31	1734.27
168.0	1807.79	1806.15	1806.25	1805.37	1807.55	1808.63	1809.35	1810.78
169.0	1877.45	1872.08	1870.21	1867.26	1870.88	1871.82	1874.15	1875.39
170.0	1933.18	1931.07	1930.71	1929.16	1929.08	1931.60	1933.84	1936.60
171.0	1995.88	1991.80	1992.93	1992.78	1994.12	1998.20	2000.35	2001.21
172.0	2049.87	2050.79	2051.70	2052.96	2055.74	2057.98	2061.74	2064.12
173.0	2095.15	2104.57	2101.82	2099.38	2101.96	2105.80	2111.19	2111.73
174.0	2138.69	2139.27	2143.31	2142.37	2144.75	2151.91	2155.53	2157.63
175.0	2178.75	2177.45	2179.60	2181.91	2182.41	2184.36	2186.23	2189.94
176.0	2210.10	2212.14	2210.72	2207.71	2208.08	2213.39	2218.63	2220.54
177.0	2237.97	2238.17	2236.65	2236.94	2240.60	2240.72	2242.50	2242.65
178.0	2257.12	2260.73	2260.84	2259.29	2261.15	2264.63	2266.38	2266.45
179.0	2274.54	2272.87	2276.40	2276.48	2278.26	2281.71	2283.43	2283.45
180.0	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96

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	0.05	0.03	0.03	0.03	0.03	0.03
100.0	0.08	0.08	0.08	0.08	0.08	0.09	0.09	0.09
105.0	0.14	0.14	0.14	0.14	0.14	0.12	0.12	0.12
110.0	0.24	0.24	0.24	0.24	0.24	0.22	0.22	0.21
115.0	0.36	0.35	0.35	0.35	0.36	0.34	0.34	0.33
120.0	0.56	0.56	0.56	0.56	0.54	0.55	0.53	0.52
125.0	0.85	0.85	0.84	0.83	0.83	0.84	0.82	0.81
130.0	1.34	1.34	1.33	1.32	1.32	1.32	1.31	1.31
135.0	2.36	2.33	2.31	2.30	2.29	2.29	2.27	2.26
140.0	4.75	4.67	4.63	4.58	4.55	4.51	4.43	4.39
142.5	8.78	8.60	8.44	8.32	8.18	8.01	7.85	7.69
145.0	21.65	21.23	20.89	20.64	20.36	20.03	19.64	19.29
147.5	69.66	68.32	67.66	67.27	67.01	66.52	66.06	65.53
150.0	235.98	232.41	230.21	228.18	225.97	223.39	220.26	217.11
152.5	489.24	484.42	483.39	480.36	477.75	473.25	468.70	463.40
155.0	750.14	744.89	744.17	743.20	741.24	736.43	731.40	726.62
157.5	967.13	963.94	963.40	962.93	961.94	958.28	953.21	949.08
160.0	1143.94	1143.27	1143.61	1142.77	1141.73	1140.68	1136.01	1131.82
162.5	1354.49	1352.19	1352.88	1353.88	1354.80	1354.34	1350.43	1345.47
165.0	1578.26	1576.99	1577.51	1578.68	1582.30	1583.19	1580.66	1578.63
166.0	1659.63	1656.43	1658.59	1661.50	1665.49	1666.88	1663.13	1659.81
167.0	1735.92	1734.18	1734.59	1735.87	1738.49	1740.32	1740.44	1740.99
168.0	1812.21	1810.24	1812.28	1815.31	1818.29	1818.88	1816.04	1813.53
169.0	1878.32	1876.16	1876.46	1876.16	1881.10	1885.48	1884.76	1884.34
170.0	1937.65	1937.01	1938.96	1940.39	1945.62	1946.97	1946.62	1943.07
171.0	2002.07	2001.24	2001.45	2004.62	2006.73	2006.74	2006.75	2003.52
172.0	2069.88	2070.54	2065.63	2063.77	2064.46	2059.69	2056.58	2053.61
173.0	2110.57	2109.41	2109.55	2109.41	2115.39	2119.46	2118.43	2117.51

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Intensity [cd/klm] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / 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
174.0	2159.73	2156.74	2160.21	2160.12	2162.93	2162.16	2157.94	2157.24
175.0	2195.33	2195.61	2193.99	2193.92	2195.18	2196.32	2197.46	2193.51
176.0	2222.45	2224.35	2224.40	2224.35	2224.05	2225.35	2224.95	2222.87
177.0	2244.49	2244.63	2248.04	2248.01	2249.51	2250.97	2249.00	2248.78
178.0	2264.83	2264.91	2263.24	2264.91	2268.19	2269.75	2266.18	2264.32
179.0	2283.48	2283.50	2283.51	2285.20	2288.56	2286.83	2285.08	2279.87
180.0	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96

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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
100.0	0.07	0.09	0.09	0.09	0.09	0.09	0.09	0.07
105.0	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
110.0	0.21	0.19	0.19	0.19	0.19	0.19	0.19	0.19
115.0	0.33	0.31	0.31	0.31	0.29	0.31	0.31	0.29
120.0	0.50	0.50	0.50	0.49	0.49	0.49	0.48	0.47
125.0	0.81	0.80	0.80	0.78	0.78	0.78	0.78	0.78
130.0	1.32	1.30	1.30	1.30	1.32	1.30	1.30	1.29
135.0	2.25	2.26	2.26	2.25	2.27	2.27	2.28	2.29
140.0	4.35	4.32	4.29	4.26	4.24	4.23	4.21	4.20
142.5	7.56	7.43	7.33	7.23	7.12	7.03	6.94	6.86
145.0	18.97	18.72	18.54	18.17	17.77	17.41	17.08	16.75
147.5	64.79	64.45	64.16	63.40	62.64	62.26	61.61	60.97
150.0	213.94	212.87	212.01	209.26	206.33	204.77	202.77	200.24
152.5	458.91	456.83	457.00	453.19	448.00	445.92	442.16	437.19
155.0	724.34	724.40	727.17	722.78	717.04	714.96	710.56	704.82
157.5	946.95	948.56	950.99	945.21	941.04	939.65	936.64	931.77
160.0	1129.51	1131.05	1136.95	1136.62	1133.51	1135.24	1135.62	1132.36
162.5	1345.35	1345.66	1349.13	1347.09	1346.07	1347.80	1345.47	1345.88
165.0	1579.40	1581.80	1588.74	1588.07	1588.60	1590.34	1587.27	1587.14
166.0	1660.89	1666.88	1670.35	1667.82	1670.03	1673.49	1673.63	1673.30
167.0	1742.37	1745.01	1750.22	1751.04	1751.45	1754.91	1754.81	1754.29
168.0	1815.19	1821.41	1826.62	1825.59	1827.68	1829.41	1829.07	1830.12
169.0	1888.00	1892.60	1894.34	1893.20	1895.24	1900.44	1901.62	1904.22
170.0	1943.48	1942.95	1948.16	1952.15	1955.87	1955.87	1956.88	1959.36
171.0	2002.43	2005.46	2010.67	2012.83	2016.51	2019.97	2017.34	2019.68
172.0	2061.37	2057.55	2066.23	2068.31	2071.94	2075.41	2072.60	2074.82
173.0	2116.85	2118.32	2120.06	2122.05	2123.91	2127.38	2124.42	2126.52
174.0	2160.19	2161.73	2163.47	2161.93	2165.49	2170.69	2169.33	2173.05
175.0	2196.60	2199.93	2205.14	2203.54	2201.87	2203.60	2200.42	2202.35
176.0	2226.07	2229.45	2234.66	2234.74	2234.79	2236.52	2234.96	2236.81
177.0	2252.08	2253.76	2257.23	2255.55	2257.31	2257.31	2255.69	2259.21
178.0	2267.68	2267.65	2269.38	2269.42	2271.17	2272.90	2272.96	2278.17
179.0	2278.09	2278.07	2283.27	2288.49	2288.49	2288.49	2286.77	2290.23
180.0	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96

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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
100.0	0.09	0.07	0.07	0.07	0.07	0.07	0.07	0.07
105.0	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
110.0	0.19	0.19	0.19	0.19	0.19	0.17	0.17	0.17
115.0	0.29	0.29	0.29	0.29	0.31	0.29	0.29	0.29
120.0	0.46	0.46	0.46	0.46	0.46	0.46	0.46	0.46

Intensity [cd/klm] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / 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
125.0	0.77	0.77	0.75	0.75	0.75	0.74	0.76	0.74
130.0	1.29	1.29	1.28	1.26	1.26	1.25	1.25	1.25
135.0	2.29	2.28	2.26	2.26	2.22	2.21	2.18	2.16
140.0	4.19	4.17	4.12	4.10	4.08	4.04	4.00	3.96
142.5	6.75	6.65	6.55	6.48	6.41	6.36	6.28	6.18
145.0	16.41	15.96	15.60	15.40	15.25	15.02	14.59	14.17
147.5	59.91	58.70	57.71	57.20	56.42	55.69	54.27	52.67
150.0	197.24	193.88	192.08	191.59	190.06	188.94	186.79	184.93
152.5	435.20	429.08	426.75	425.58	424.38	424.47	421.31	418.42
155.0	700.99	694.61	691.86	691.18	692.03	694.10	691.36	687.76
157.5	929.50	922.27	919.86	920.88	921.91	923.29	918.67	916.44
160.0	1129.66	1121.12	1117.93	1119.14	1121.20	1124.05	1121.43	1116.13
162.5	1341.84	1337.12	1335.83	1336.55	1339.97	1344.68	1340.84	1338.12
165.0	1585.81	1582.26	1580.42	1582.66	1584.37	1587.92	1588.06	1586.87
166.0	1673.44	1669.68	1671.08	1671.54	1673.25	1675.29	1673.90	1670.93
167.0	1754.19	1751.97	1753.18	1757.00	1758.70	1760.93	1761.46	1761.86
168.0	1829.79	1827.39	1826.72	1827.07	1832.20	1838.02	1840.43	1840.77
169.0	1903.66	1899.39	1896.85	1900.56	1907.40	1906.54	1905.67	1907.68
170.0	1962.08	1962.82	1961.85	1960.38	1960.38	1964.78	1964.04	1966.00
171.0	2018.78	2017.68	2018.29	2020.20	2025.33	2031.58	2032.72	2032.91
172.0	2075.47	2069.10	2078.15	2074.89	2080.02	2086.40	2084.22	2084.38
173.0	2125.30	2123.96	2124.34	2126.17	2129.59	2134.36	2139.16	2139.27
174.0	2173.41	2173.67	2173.94	2174.03	2172.32	2175.47	2176.93	2177.01
175.0	2202.61	2201.10	2206.44	2208.21	2208.21	2211.45	2214.70	2216.47
176.0	2238.69	2238.81	2238.93	2240.68	2244.10	2247.42	2247.32	2247.35
177.0	2262.75	2261.10	2264.59	2266.32	2268.03	2271.40	2267.92	2261.08
178.0	2279.93	2279.96	2281.69	2285.12	2286.83	2288.53	2288.52	2290.24
179.0	2290.24	2290.24	2293.67	2295.37	2290.25	2286.82	2288.52	2291.96
180.0	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96

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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03
100.0	0.07	0.07	0.07	0.07	0.07	0.05	0.05	0.05
105.0	0.12	0.10	0.10	0.10	0.10	0.10	0.10	0.10
110.0	0.17	0.17	0.17	0.17	0.17	0.17	0.19	0.19
115.0	0.29	0.29	0.29	0.29	0.29	0.31	0.31	0.31
120.0	0.48	0.46	0.48	0.48	0.48	0.48	0.48	0.50
125.0	0.74	0.74	0.74	0.75	0.75	0.76	0.76	0.77
130.0	1.25	1.23	1.23	1.21	1.21	1.22	1.22	1.22
135.0	2.14	2.11	2.09	2.06	2.05	2.04	2.05	2.04
140.0	3.93	3.87	3.84	3.78	3.74	3.71	3.70	3.66
142.5	6.12	6.03	5.94	5.83	5.72	5.67	5.59	5.51
145.0	13.82	13.47	13.26	12.95	12.67	12.38	12.04	11.66
147.5	50.98	48.77	46.88	45.26	43.99	42.82	41.68	40.33
150.0	183.94	182.91	182.09	178.93	174.03	167.56	160.54	154.57
152.5	416.56	416.91	417.28	415.11	414.33	412.55	407.97	401.05
155.0	687.93	687.59	688.44	685.20	685.20	683.98	677.09	670.81
157.5	917.13	919.70	921.58	921.04	923.10	925.37	920.05	913.19
160.0	1119.58	1126.44	1126.45	1123.83	1127.02	1128.81	1126.19	1123.21
162.5	1340.55	1343.97	1348.11	1347.91	1354.34	1358.01	1357.62	1352.24
165.0	1589.11	1595.97	1601.63	1600.11	1605.39	1608.66	1607.12	1602.14
166.0	1676.54	1681.68	1687.28	1690.42	1695.91	1699.65	1698.32	1692.86
167.0	1767.39	1772.54	1778.06	1777.33	1781.30	1788.93	1787.79	1781.87
168.0	1844.54	1849.68	1856.86	1857.42	1863.28	1867.90	1868.67	1867.46

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Intensity [cd/klm] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / 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
169.0	1914.82	1919.96	1923.67	1925.58	1938.43	1945.16	1940.94	1930.79
170.0	1974.82	1983.39	1988.76	1981.82	1993.08	2003.53	2006.32	1999.26
171.0	2039.96	2045.10	2050.43	2046.57	2056.27	2068.77	2071.71	2062.59
172.0	2091.39	2098.25	2103.53	2102.81	2109.21	2121.99	2121.61	2117.36
173.0	2146.24	2153.10	2156.63	2153.93	2158.74	2168.34	2169.79	2163.58
174.0	2183.96	2192.53	2199.46	2196.53	2203.15	2211.27	2214.52	2208.08
175.0	2218.24	2225.10	2235.43	2230.61	2233.89	2245.60	2248.94	2238.89
176.0	2250.81	2255.96	2261.12	2256.17	2261.21	2271.35	2271.31	2264.57
177.0	2264.53	2278.24	2288.53	2285.14	2293.66	2300.54	2298.84	2285.11
178.0	2293.67	2297.10	2298.81	2295.36	2298.79	2303.97	2300.56	2288.53
179.0	2297.10	2300.53	2302.23	2298.77	2302.20	2307.41	2305.72	2295.38
180.0	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96

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	0.03	0.03	0.02	0.03	0.03	0.02	0.03	0.03
100.0	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.07
105.0	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
110.0	0.19	0.20	0.20	0.20	0.20	0.20	0.20	0.20
115.0	0.32	0.32	0.32	0.32	0.32	0.32	0.32	0.32
120.0	0.49	0.49	0.49	0.49	0.51	0.49	0.51	0.49
125.0	0.77	0.78	0.78	0.78	0.79	0.80	0.80	0.80
130.0	1.21	1.22	1.22	1.22	1.22	1.22	1.22	1.22
135.0	2.02	2.00	2.01	2.01	1.99	2.00	2.02	2.00
140.0	3.64	3.62	3.59	3.58	3.58	3.59	3.61	3.61
142.5	5.43	5.40	5.37	5.34	5.32	5.32	5.31	5.30
145.0	11.30	11.07	10.83	10.70	10.60	10.56	10.53	10.45
147.5	38.49	36.69	35.31	34.43	33.92	33.67	33.50	33.61
150.0	151.27	149.57	148.28	147.05	145.87	145.74	145.28	143.99
152.5	396.29	395.07	391.02	387.74	385.88	385.60	385.84	383.18
155.0	667.00	671.63	669.47	668.15	668.49	670.49	670.46	666.24
157.5	910.15	915.93	916.61	916.44	917.80	920.51	922.21	918.81
160.0	1124.54	1130.02	1130.41	1130.93	1134.48	1139.04	1142.08	1139.54
162.5	1352.71	1361.59	1362.65	1365.71	1369.09	1371.11	1376.53	1375.51
165.0	1602.84	1612.86	1618.25	1620.93	1624.31	1628.41	1632.51	1633.00
166.0	1693.02	1701.14	1704.58	1708.83	1712.21	1718.12	1724.05	1724.47
167.0	1783.20	1791.12	1795.99	1798.41	1805.17	1811.22	1815.60	1815.95
168.0	1866.57	1869.22	1873.85	1877.85	1882.92	1889.09	1895.27	1897.26
169.0	1929.53	1940.52	1946.64	1953.91	1960.67	1963.57	1964.78	1966.71
170.0	1995.89	2005.04	2009.27	2013.07	2023.21	2029.58	2032.59	2034.47
171.0	2060.55	2069.55	2073.59	2078.99	2085.75	2090.52	2095.31	2097.15
172.0	2113.30	2122.18	2126.07	2131.38	2139.84	2143.00	2144.47	2141.19
173.0	2162.64	2171.42	2178.54	2183.78	2188.85	2192.08	2193.63	2193.71
174.0	2205.18	2213.86	2219.17	2220.97	2227.73	2229.32	2227.54	2230.97
175.0	2237.51	2246.12	2249.64	2251.39	2258.15	2263.18	2263.14	2268.24
176.0	2259.63	2268.19	2273.34	2275.05	2278.43	2280.11	2281.78	2281.79
177.0	2280.04	2285.16	2285.19	2286.89	2288.58	2291.96	2295.35	2297.04
178.0	2283.45	2293.65	2298.73	2300.41	2300.41	2300.42	2298.74	2302.12
179.0	2291.96	2298.75	2303.80	2303.79	2305.48	2303.80	2302.13	2300.43
180.0	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96

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	0.03	0.03	0.03	0.03	0.03	0.03	0.03	0.03

Intensity [cd/klm] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd/klm]	280.0	282.5	285.0	287.5	290.0	292.5	295.0	297.5
100.0	0.05	0.05	0.05	0.05	0.05	0.07	0.07	0.07
105.0	0.10	0.10	0.10	0.10	0.10	0.10	0.10	0.10
110.0	0.20	0.19	0.19	0.17	0.17	0.17	0.16	0.16
115.0	0.32	0.31	0.31	0.29	0.29	0.28	0.28	0.28
120.0	0.49	0.49	0.48	0.48	0.47	0.45	0.45	0.45
125.0	0.78	0.77	0.77	0.76	0.74	0.73	0.73	0.71
130.0	1.22	1.23	1.22	1.21	1.21	1.20	1.20	1.19
135.0	2.00	2.01	2.02	2.03	2.04	2.05	2.05	2.04
140.0	3.61	3.63	3.66	3.67	3.70	3.73	3.76	3.79
142.5	5.33	5.36	5.41	5.44	5.48	5.53	5.60	5.64
145.0	10.40	10.47	10.61	10.69	10.74	10.90	11.10	11.25
147.5	34.05	35.08	36.32	37.06	37.40	38.09	38.97	39.92
150.0	143.18	142.86	143.44	145.51	149.80	155.69	162.10	165.49
152.5	384.93	388.92	388.90	388.13	387.64	388.70	392.86	394.51
155.0	665.19	668.35	668.24	665.37	665.10	668.34	673.54	676.16
157.5	920.17	923.25	922.43	922.12	923.18	925.97	931.69	935.13
160.0	1140.38	1145.13	1148.03	1152.35	1157.05	1161.75	1167.65	1171.77
162.5	1377.55	1384.37	1388.18	1391.36	1395.93	1404.30	1412.97	1417.76
165.0	1640.50	1646.60	1651.78	1658.27	1664.05	1669.56	1674.76	1677.42
166.0	1728.72	1736.85	1745.93	1751.25	1752.27	1756.24	1763.18	1765.71
167.0	1818.64	1827.09	1834.93	1844.24	1849.13	1853.33	1858.53	1860.92
168.0	1901.76	1910.53	1917.09	1923.45	1926.97	1933.08	1938.28	1937.08
169.0	1973.02	1983.75	1988.99	1997.50	2004.81	2009.36	2011.10	2011.52
170.0	2044.27	2048.46	2054.03	2059.49	2061.90	2068.31	2073.51	2070.38
171.0	2101.95	2109.76	2115.65	2123.20	2125.90	2127.25	2130.72	2129.23
172.0	2146.06	2154.03	2160.16	2164.53	2169.14	2174.06	2177.53	2177.70
173.0	2195.26	2200.01	2206.37	2214.47	2217.58	2220.87	2222.61	2219.25
174.0	2234.28	2242.57	2247.45	2254.07	2255.63	2257.28	2259.02	2257.33
175.0	2266.51	2269.82	2271.42	2276.46	2285.04	2283.29	2281.55	2279.84
176.0	2283.47	2285.14	2290.24	2297.12	2300.61	2300.62	2300.62	2298.88
177.0	2297.05	2300.47	2303.94	2307.45	2307.52	2307.56	2307.56	2309.27
178.0	2303.83	2307.28	2309.07	2312.62	2312.71	2309.29	2309.29	2307.54
179.0	2300.44	2303.88	2307.36	2310.90	2309.25	2305.83	2307.56	2305.80
180.0	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96

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	0.03	0.03	0.03	0.03	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	0.10	0.10	0.10	0.10	0.10	0.10	0.12	0.12
110.0	0.16	0.15	0.15	0.17	0.17	0.17	0.17	0.17
115.0	0.28	0.28	0.28	0.27	0.27	0.27	0.27	0.28
120.0	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
125.0	0.71	0.70	0.70	0.70	0.70	0.70	0.70	0.70
130.0	1.19	1.19	1.19	1.19	1.17	1.18	1.18	1.19
135.0	2.04	2.06	2.08	2.08	2.09	2.11	2.11	2.11
140.0	3.81	3.83	3.87	3.90	3.93	3.94	3.95	3.97
142.5	5.70	5.74	5.78	5.82	5.84	5.86	5.87	5.90
145.0	11.36	11.45	11.62	11.82	11.97	12.10	12.19	12.26
147.5	41.66	44.17	45.87	47.06	47.99	48.82	49.77	50.83
150.0	166.20	166.09	166.61	167.69	168.25	169.20	170.48	172.97
152.5	392.81	391.33	392.19	393.96	392.47	393.76	397.10	400.79
155.0	674.30	673.32	673.49	676.42	677.11	679.53	684.32	689.48
157.5	934.73	932.77	933.29	933.96	936.35	939.92	943.56	947.56
160.0	1171.69	1170.05	1174.35	1177.25	1179.11	1183.01	1186.50	1190.34

Intensity [cd/klm] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / 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
162.5	1416.94	1415.06	1420.22	1426.03	1426.68	1429.69	1436.98	1440.85
165.0	1675.82	1676.41	1683.29	1685.46	1684.20	1690.25	1697.94	1703.92
166.0	1765.57	1765.82	1772.70	1776.52	1778.63	1781.11	1787.21	1789.89
167.0	1857.04	1851.79	1855.23	1858.99	1864.47	1868.54	1871.33	1875.86
168.0	1932.98	1929.16	1936.04	1939.74	1943.44	1945.68	1950.31	1954.95
169.0	2007.19	2006.54	2011.69	2011.90	2012.11	2012.53	2017.26	2023.73
170.0	2069.32	2065.00	2068.43	2070.32	2072.20	2075.96	2082.50	2085.63
171.0	2124.55	2121.74	2128.61	2132.17	2132.29	2132.53	2135.73	2138.93
172.0	2174.60	2173.32	2175.04	2176.84	2175.21	2177.10	2180.36	2181.91
173.0	2216.02	2214.58	2219.74	2223.23	2223.28	2221.67	2223.28	2224.90
174.0	2253.99	2252.41	2255.85	2255.88	2255.90	2255.96	2259.34	2259.29
175.0	2278.15	2274.76	2278.20	2278.21	2278.22	2276.53	2278.22	2281.64
176.0	2298.86	2297.11	2298.83	2300.55	2298.82	2300.53	2302.26	2302.27
177.0	2305.76	2302.27	2305.71	2303.98	2300.54	2303.96	2307.41	2307.43
178.0	2305.76	2307.43	2309.15	2309.14	2305.69	2305.67	2307.41	2307.43
179.0	2304.04	2298.83	2302.27	2302.26	2303.97	2300.53	2307.41	2309.15
180.0	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96

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	0.03	0.03	0.03	0.03	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	0.12	0.12	0.10	0.12	0.12	0.12	0.12	0.12
110.0	0.17	0.17	0.17	0.17	0.17	0.17	0.17	0.17
115.0	0.28	0.28	0.28	0.28	0.28	0.28	0.28	0.29
120.0	0.43	0.43	0.43	0.43	0.45	0.45	0.45	0.45
125.0	0.71	0.71	0.71	0.71	0.70	0.72	0.72	0.72
130.0	1.19	1.19	1.21	1.20	1.20	1.20	1.22	1.22
135.0	2.12	2.13	2.10	2.10	2.10	2.10	2.10	2.12
140.0	3.96	3.94	3.93	3.92	3.92	3.92	3.91	3.88
142.5	5.91	5.88	5.89	5.88	5.91	5.95	5.95	5.95
145.0	12.28	12.27	12.29	12.35	12.40	12.45	12.44	12.44
147.5	51.38	51.48	51.61	51.91	52.22	52.48	52.09	51.11
150.0	174.44	174.48	174.44	175.17	177.44	179.68	181.02	182.15
152.5	401.74	401.09	401.57	403.50	406.64	410.08	410.90	411.69
155.0	690.69	687.76	688.79	690.68	693.95	696.87	696.71	696.89
157.5	949.67	947.93	948.81	950.51	952.89	955.47	954.47	950.90
160.0	1191.09	1189.68	1189.72	1189.68	1192.23	1192.57	1189.68	1185.96
162.5	1443.02	1441.94	1443.02	1445.38	1446.01	1446.01	1440.22	1435.49
165.0	1706.48	1705.20	1706.48	1708.64	1710.80	1712.52	1712.08	1707.77
166.0	1794.30	1794.68	1797.75	1799.84	1803.65	1803.65	1803.28	1800.82
167.0	1878.68	1877.27	1882.12	1887.59	1886.18	1887.90	1885.87	1880.09
168.0	1959.61	1959.86	1959.61	1959.86	1963.55	1965.27	1963.30	1962.81
169.0	2030.22	2030.41	2031.94	2032.13	2032.33	2030.61	2028.69	2024.85
170.0	2087.04	2085.47	2087.04	2090.64	2094.23	2094.23	2090.64	2088.61
171.0	2143.87	2142.26	2145.59	2149.14	2147.53	2147.53	2145.70	2142.03
172.0	2185.19	2185.27	2185.19	2185.27	2188.79	2192.23	2195.60	2192.01
173.0	2226.52	2226.57	2228.24	2230.01	2231.78	2231.78	2231.73	2228.19
174.0	2259.24	2257.54	2259.24	2260.98	2261.01	2262.73	2260.98	2257.49
175.0	2285.07	2283.35	2285.07	2286.79	2291.96	2291.96	2285.07	2278.17
176.0	2304.01	2302.28	2302.29	2305.72	2305.71	2305.71	2304.00	2298.85
177.0	2307.45	2307.44	2310.90	2314.32	2316.03	2317.75	2316.05	2312.63
178.0	2307.45	2305.72	2309.18	2309.16	2307.43	2309.15	2312.60	2312.63
179.0	2307.45	2300.56	2298.84	2304.00	2305.71	2303.99	2304.00	2298.85
180.0	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96

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Intensity [cd/klm] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / 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
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	0.03	0.03	0.03	0.04	0.03
100.0	0.07	0.07	0.07	0.07	0.07	0.09	0.07	0.09
105.0	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12
110.0	0.17	0.19	0.19	0.21	0.21	0.23	0.23	0.23
115.0	0.29	0.29	0.29	0.31	0.33	0.33	0.35	0.35
120.0	0.47	0.48	0.49	0.51	0.52	0.52	0.54	0.54
125.0	0.74	0.74	0.76	0.77	0.79	0.79	0.81	0.80
130.0	1.22	1.24	1.25	1.27	1.29	1.31	1.31	1.31
135.0	2.10	2.09	2.10	2.13	2.15	2.15	2.16	2.15
140.0	3.88	3.89	3.90	3.92	3.95	3.97	3.96	3.97
142.5	5.93	5.93	5.95	6.00	6.02	6.07	6.12	6.18
145.0	12.38	12.31	12.35	12.44	12.50	12.63	12.77	12.95
147.5	50.27	49.88	49.52	49.41	49.05	48.20	47.56	47.29
150.0	183.32	185.12	187.03	188.24	188.87	190.00	192.57	195.95
152.5	411.83	413.80	417.44	423.36	426.10	428.82	434.21	440.37
155.0	695.52	696.75	698.86	705.02	706.96	709.46	715.97	722.58
157.5	948.34	947.72	950.27	956.35	958.85	960.70	964.97	967.00
160.0	1181.50	1181.76	1182.24	1185.19	1187.17	1190.59	1193.64	1194.79
162.5	1431.40	1431.18	1431.39	1437.92	1438.36	1438.16	1438.61	1438.16
165.0	1702.15	1700.82	1702.05	1704.59	1701.95	1700.60	1699.69	1695.35
166.0	1793.55	1790.70	1790.54	1795.22	1794.46	1793.32	1792.56	1789.83
167.0	1878.06	1878.85	1879.02	1882.37	1880.00	1879.05	1873.17	1866.81
168.0	1960.84	1960.09	1962.30	1962.54	1956.80	1952.54	1950.27	1949.04
169.0	2024.65	2025.77	2028.23	2034.00	2030.12	2027.77	2030.87	2026.02
170.0	2085.01	2086.27	2088.96	2093.26	2094.70	2090.75	2090.45	2083.76
171.0	2138.47	2138.12	2137.54	2147.29	2145.33	2144.99	2144.77	2136.24
172.0	2188.48	2188.25	2191.33	2196.09	2194.20	2192.23	2190.33	2183.48
173.0	2224.70	2226.27	2227.76	2234.44	2232.61	2232.47	2235.88	2230.72
174.0	2254.02	2255.66	2255.52	2258.84	2257.04	2255.22	2258.66	2253.47
175.0	2276.43	2276.40	2276.34	2283.24	2283.23	2281.46	2281.44	2276.21
176.0	2293.68	2295.41	2291.96	2293.70	2291.96	2295.46	2300.72	2297.20
177.0	2305.75	2305.78	2302.37	2298.93	2295.45	2298.95	2304.22	2304.20
178.0	2305.75	2304.06	2298.90	2304.16	2304.17	2305.95	2309.48	2307.70
179.0	2295.41	2295.41	2293.69	2298.93	2297.19	2298.95	2302.47	2300.70
180.0	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96	2291.96

PHOTOMETRIC RESULTS

File Name:	PUK ITALIA 1505-QL18-S19 ART-206002 36deg		
Sample Number:	1505-QL18-S19		
Report Number:			
Model:	ART-206002 36deg		
Flux:	1456 lm	Flux 2	0.00 lm
Date:	04/12/2018 14.15.10		
Manufacturer:	ART-206002		

Intensity [cd] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / 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	0.4	0.3	0.3	0.3	0.3	0.3
115.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
120.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
125.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
130.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
135.0	3.1	3.1	3.2	3.1	3.2	3.2	3.2	3.2
140.0	5.8	5.8	5.8	5.8	5.8	5.9	5.9	6.0
142.5	9.1	9.1	9.2	9.3	9.3	9.4	9.5	9.6
145.0	19.1	19.4	19.6	19.9	20.3	20.9	21.5	22.1
147.5	69.2	70.3	72.4	76.1	81.0	85.7	89.6	93.8
150.0	288.9	293.4	295.5	299.4	305.2	312.5	320.1	327.1
152.5	649.7	654.8	656.4	659.7	665.2	671.2	678.5	686.6
155.0	1055.7	1058.8	1054.5	1055.9	1061.3	1068.6	1075.4	1081.7
157.5	1409.6	1409.6	1403.8	1403.6	1409.0	1415.7	1419.5	1423.8
160.0	1737.4	1733.6	1723.0	1721.1	1727.0	1733.0	1735.3	1738.0
162.5	2089.5	2085.7	2075.3	2071.6	2073.5	2074.4	2078.5	2084.7
165.0	2460.2	2455.2	2443.4	2446.1	2450.0	2450.7	2457.5	2459.9
166.0	2597.3	2589.4	2577.1	2576.9	2578.0	2576.1	2575.5	2578.2
167.0	2711.5	2710.9	2703.2	2702.6	2703.5	2701.5	2698.5	2699.1
168.0	2825.8	2819.7	2809.1	2808.2	2811.5	2806.8	2801.4	2799.8
169.0	2940.0	2931.1	2915.0	2911.2	2916.9	2917.2	2914.4	2910.6
170.0	3021.3	3012.1	3000.7	2994.2	2994.7	2997.5	2997.2	2996.2
171.0	3097.4	3093.1	3081.4	3079.7	3080.1	3075.2	3070.0	3071.7
172.0	3163.5	3156.4	3149.5	3147.6	3147.8	3145.5	3140.3	3142.2
173.0	3237.1	3229.8	3220.1	3215.4	3210.6	3208.2	3208.1	3205.2
174.0	3272.6	3270.3	3265.5	3268.2	3265.8	3260.9	3258.3	3255.5
175.0	3303.1	3298.1	3295.8	3298.4	3301.0	3301.0	3301.0	3300.9
176.0	3336.1	3328.5	3323.5	3323.5	3321.0	3316.0	3316.0	3318.5
177.0	3351.3	3346.2	3338.6	3338.6	3341.1	3338.6	3341.1	3341.1
178.0	3351.3	3346.2	3341.1	3346.2	3348.7	3348.6	3351.2	3351.2
179.0	3346.3	3346.2	3341.1	3341.1	3346.1	3348.6	3351.2	3353.7
180.0	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1

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	0.1	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

Intensity [cd] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / 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
115.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
120.0	0.8	0.7	0.7	0.7	0.7	0.7	0.7	0.7
125.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
130.0	1.9	1.9	2.0	2.0	2.0	2.0	2.0	2.0
135.0	3.2	3.3	3.3	3.3	3.3	3.4	3.4	3.5
140.0	6.1	6.1	6.2	6.2	6.3	6.3	6.4	6.5
142.5	9.8	10.0	10.2	10.4	10.5	10.6	10.7	10.9
145.0	22.9	24.0	24.9	25.5	26.0	26.5	27.1	27.6
147.5	98.1	102.8	107.7	111.7	113.8	115.9	118.2	120.5
150.0	334.9	341.2	345.8	348.3	349.8	351.8	355.8	358.5
152.5	695.7	704.7	711.1	713.9	715.9	722.1	727.2	728.2
155.0	1089.8	1101.9	1105.9	1105.2	1107.8	1108.5	1108.0	1107.5
157.5	1428.2	1434.8	1436.3	1434.0	1433.3	1435.5	1434.5	1431.1
160.0	1743.7	1750.1	1749.5	1746.0	1742.3	1739.1	1737.4	1732.1
162.5	2087.9	2092.3	2092.0	2089.5	2086.3	2082.5	2077.8	2070.9
165.0	2456.1	2459.6	2460.2	2455.1	2443.8	2433.8	2420.8	2417.4
166.0	2577.1	2581.2	2579.5	2569.4	2562.9	2552.6	2546.8	2537.8
167.0	2695.6	2695.2	2691.2	2683.6	2677.0	2671.4	2667.9	2658.3
168.0	2801.5	2809.2	2808.0	2790.2	2783.5	2777.6	2771.3	2761.3
169.0	2902.4	2902.9	2902.0	2894.3	2884.9	2873.6	2864.6	2856.6
170.0	2988.1	2989.1	2983.2	2970.5	2958.4	2954.5	2945.3	2934.5
171.0	3066.3	3065.1	3056.8	3044.1	3039.5	3030.3	3023.4	3017.3
172.0	3134.4	3133.5	3130.5	3120.3	3110.5	3101.1	3094.0	3087.6
173.0	3199.9	3201.8	3196.5	3183.8	3176.4	3164.2	3159.6	3152.9
174.0	3250.4	3250.0	3244.7	3234.5	3227.1	3214.8	3212.5	3208.1
175.0	3295.8	3295.6	3290.4	3272.6	3257.5	3250.2	3245.3	3245.7
176.0	3315.9	3318.4	3313.3	3308.2	3300.6	3295.7	3293.2	3288.4
177.0	3336.1	3341.2	3343.7	3333.6	3326.0	3310.8	3308.4	3313.5
178.0	3348.7	3351.3	3348.8	3338.6	3336.1	3333.6	3331.1	3326.1
179.0	3346.2	3353.8	3353.9	3346.3	3338.6	3338.6	3346.2	3346.1
180.0	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1

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	0.1	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	0.5	0.5	0.5	0.5	0.5	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	1.2	1.2	1.2	1.2	1.2	1.2	1.3	1.3
130.0	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
135.0	3.5	3.6	3.6	3.6	3.7	3.7	3.7	3.7
140.0	6.5	6.6	6.6	6.7	6.8	6.8	6.9	7.0
142.5	11.1	11.3	11.4	11.7	11.8	12.0	12.3	12.6
145.0	28.2	28.7	29.3	29.9	30.3	30.7	31.5	32.4
147.5	123.3	125.7	127.4	129.2	130.7	131.8	134.0	136.1
150.0	364.4	369.0	373.5	377.3	380.5	382.1	387.0	393.2
152.5	734.5	740.5	745.3	750.2	752.5	751.6	753.5	759.6
155.0	1115.7	1119.8	1124.3	1125.5	1125.9	1125.6	1126.8	1132.1
157.5	1435.3	1435.4	1434.0	1431.8	1429.0	1423.6	1423.7	1427.3
160.0	1731.6	1726.6	1725.2	1722.5	1717.5	1707.2	1706.2	1707.9
162.5	2072.2	2069.5	2068.5	2064.4	2057.6	2048.1	2046.2	2046.6
165.0	2415.1	2408.6	2407.9	2400.5	2395.5	2386.5	2380.0	2379.7
166.0	2535.2	2525.8	2520.2	2513.4	2509.0	2500.2	2498.9	2498.3
167.0	2655.4	2640.5	2630.0	2623.7	2620.0	2611.3	2607.7	2601.8
168.0	2758.0	2745.2	2739.7	2731.6	2725.9	2717.4	2716.4	2715.3

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Intensity [cd] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / 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
169.0	2853.1	2839.9	2832.1	2826.9	2821.7	2820.9	2820.1	2813.7
170.0	2928.2	2914.7	2909.4	2904.7	2902.4	2896.7	2893.5	2886.9
171.0	3013.3	3002.0	2996.8	2992.5	2988.1	2980.0	2982.0	2980.3
172.0	3088.3	3074.3	3066.6	3055.2	3053.7	3048.2	3055.4	3056.0
173.0	3150.9	3139.1	3131.5	3130.4	3129.3	3121.4	3123.6	3124.1
174.0	3208.5	3196.5	3188.9	3183.1	3182.3	3177.0	3179.3	3179.6
175.0	3246.0	3233.9	3223.8	3220.7	3217.6	3212.4	3219.8	3220.0
176.0	3288.5	3278.8	3276.2	3270.9	3268.0	3265.4	3267.8	3268.0
177.0	3323.6	3318.6	3311.2	3301.0	3295.8	3293.2	3293.1	3293.2
178.0	3326.1	3318.6	3316.1	3308.5	3305.8	3300.7	3305.8	3305.8
179.0	3341.1	3326.1	3321.1	3323.6	3323.5	3320.9	3326.0	3328.5
180.0	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1

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	0.1	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	0.2	0.2
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	0.4
115.0	0.5	0.5	0.5	0.5	0.5	0.5	0.6	0.6
120.0	0.8	0.8	0.8	0.8	0.8	0.8	0.9	0.9
125.0	1.3	1.3	1.3	1.3	1.3	1.3	1.4	1.4
130.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
135.0	3.7	3.7	3.8	3.8	3.8	3.8	3.8	3.8
140.0	7.1	7.2	7.3	7.4	7.5	7.6	7.7	7.7
142.5	13.0	13.2	13.5	13.7	14.0	14.2	14.3	14.5
145.0	33.1	33.8	34.8	35.7	36.2	36.9	37.4	37.7
147.5	137.8	140.0	142.9	144.9	145.4	145.7	146.3	147.1
150.0	398.2	405.0	412.8	419.2	423.3	426.3	427.6	431.7
152.5	764.8	772.2	781.4	789.7	794.5	796.8	794.5	796.3
155.0	1137.6	1144.1	1156.5	1165.5	1167.3	1167.6	1162.7	1163.0
157.5	1431.5	1436.4	1444.4	1448.0	1445.1	1441.3	1435.2	1434.8
160.0	1706.0	1708.6	1716.0	1719.2	1714.4	1709.5	1702.4	1699.8
162.5	2043.9	2046.2	2051.6	2053.6	2048.0	2045.1	2037.8	2032.4
165.0	2378.3	2381.9	2381.5	2377.9	2369.4	2364.7	2358.6	2355.2
166.0	2498.9	2499.6	2501.5	2497.7	2484.0	2479.6	2468.9	2463.6
167.0	2599.5	2604.8	2606.4	2605.0	2596.1	2592.0	2579.2	2574.6
168.0	2710.1	2712.5	2713.9	2712.3	2700.8	2694.4	2686.9	2688.0
169.0	2810.7	2810.1	2811.3	2804.6	2797.9	2794.2	2782.2	2783.9
170.0	2886.1	2892.8	2898.8	2896.9	2885.1	2879.1	2872.4	2869.6
171.0	2974.1	2980.5	2983.7	2981.8	2972.3	2969.0	2960.1	2960.4
172.0	3054.5	3058.1	3061.2	3056.6	3044.6	3041.4	3035.3	3036.0
173.0	3124.9	3130.7	3133.7	3131.5	3121.8	3116.4	3108.0	3106.6
174.0	3177.7	3180.8	3181.2	3173.9	3164.2	3168.8	3165.7	3167.2
175.0	3223.0	3230.9	3228.6	3216.3	3211.5	3211.2	3213.3	3210.0
176.0	3268.2	3268.5	3266.1	3261.2	3253.9	3261.2	3258.4	3255.4
177.0	3290.8	3298.5	3303.6	3298.7	3291.3	3288.7	3283.5	3283.1
178.0	3313.5	3323.6	3321.1	3318.6	3306.2	3303.6	3296.0	3298.3
179.0	3331.1	3336.1	3341.1	3338.6	3328.6	3326.1	3321.1	3321.0
180.0	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1

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	0.1	0.0	0.0	0.0	0.1	0.0
95.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
100.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
105.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
110.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

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Intensity [cd] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd]	80.0	82.5	85.0	87.5	90.0	92.5	95.0	97.5
115.0	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
120.0	0.9	0.9	0.9	1.0	1.0	1.0	1.0	0.9
125.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
130.0	2.3	2.3	2.3	2.3	2.2	2.3	2.3	2.3
135.0	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
140.0	7.8	7.8	7.9	7.9	7.9	8.0	8.0	8.1
142.5	14.8	14.9	15.2	15.3	15.5	15.6	15.8	16.1
145.0	38.1	38.5	39.1	39.5	39.8	40.2	40.9	41.6
147.5	147.4	147.3	148.0	148.6	148.4	148.9	150.5	152.1
150.0	434.7	436.3	438.8	438.6	436.4	436.6	439.5	442.4
152.5	796.7	794.9	795.5	793.4	791.0	791.6	794.9	796.2
155.0	1160.5	1152.7	1148.6	1144.2	1139.9	1139.0	1142.5	1144.2
157.5	1431.4	1423.1	1419.7	1415.1	1411.9	1410.6	1411.1	1412.3
160.0	1692.4	1682.3	1677.3	1670.6	1665.2	1663.0	1662.7	1663.0
162.5	2023.5	2013.4	2004.7	1994.5	1986.3	1985.4	1982.9	1988.0
165.0	2345.9	2334.5	2327.3	2322.2	2316.1	2311.6	2310.4	2311.7
166.0	2455.1	2444.1	2434.9	2427.2	2420.9	2421.2	2417.0	2418.0
167.0	2566.8	2553.7	2547.5	2542.4	2530.8	2525.7	2523.7	2529.3
168.0	2681.1	2668.4	2662.7	2649.9	2640.8	2640.3	2637.9	2638.0
169.0	2782.6	2775.4	2770.3	2760.0	2753.2	2752.5	2747.1	2749.3
170.0	2874.0	2864.6	2857.3	2847.1	2840.2	2839.1	2838.5	2837.8
171.0	2955.3	2948.7	2944.4	2939.3	2932.2	2930.9	2932.4	2933.9
172.0	3031.4	3025.2	3018.6	3013.5	3011.4	3009.9	3011.1	3014.9
173.0	3097.4	3088.9	3087.8	3085.2	3085.6	3086.3	3084.8	3090.8
174.0	3163.5	3160.2	3156.9	3146.6	3144.4	3142.4	3140.6	3143.9
175.0	3209.2	3206.1	3203.0	3195.3	3187.8	3190.8	3191.4	3197.0
176.0	3249.8	3246.9	3243.9	3231.1	3228.7	3234.2	3234.5	3237.5
177.0	3277.7	3274.9	3272.1	3267.0	3264.5	3267.3	3267.6	3272.9
178.0	3303.1	3300.4	3295.1	3290.0	3287.5	3290.2	3292.9	3298.2
179.0	3320.9	3320.8	3323.3	3318.2	3315.7	3320.8	3320.9	3328.5
180.0	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1

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	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.2
105.0	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
110.0	0.4	0.4	0.4	0.3	0.3	0.3	0.3	0.3
115.0	0.6	0.6	0.6	0.6	0.5	0.5	0.5	0.5
120.0	0.9	0.9	0.9	0.9	0.9	0.8	0.8	0.8
125.0	1.4	1.4	1.4	1.4	1.3	1.3	1.3	1.3
130.0	2.2	2.2	2.2	2.2	2.2	2.2	2.3	2.3
135.0	3.9	3.9	3.9	3.9	4.0	4.0	4.0	4.0
140.0	8.2	8.2	8.3	8.4	8.4	8.4	8.5	8.5
142.5	16.3	16.4	16.6	16.7	16.8	16.9	16.9	16.9
145.0	42.2	42.7	43.4	43.9	44.1	44.2	44.4	44.4
147.5	153.2	154.9	157.3	158.6	159.1	160.1	161.2	161.8
150.0	444.8	446.5	448.6	449.5	447.9	447.4	446.1	443.9
152.5	800.3	803.4	807.7	809.2	810.2	812.1	812.9	812.0
155.0	1148.3	1154.0	1161.1	1161.4	1161.9	1168.1	1171.8	1171.7
157.5	1417.5	1422.0	1429.1	1433.0	1434.7	1438.4	1442.1	1442.4
160.0	1667.0	1670.6	1676.6	1675.6	1677.8	1686.0	1693.9	1694.7
162.5	1990.1	1989.6	1993.6	1996.6	1997.1	2001.2	2003.7	2005.2
165.0	2312.1	2307.5	2311.7	2315.2	2311.2	2316.6	2322.9	2327.2
166.0	2422.8	2420.1	2424.4	2423.1	2421.7	2420.1	2426.7	2431.1
167.0	2531.0	2530.2	2534.6	2535.9	2534.7	2536.1	2535.6	2537.6
168.0	2639.2	2632.8	2632.3	2633.8	2635.2	2642.1	2647.1	2646.6

Intensity [cd] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / 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
169.0	2744.9	2735.5	2737.5	2739.1	2735.7	2738.0	2740.8	2740.4
170.0	2835.4	2825.6	2830.2	2829.4	2823.6	2828.9	2832.0	2831.6
171.0	2933.6	2920.7	2917.8	2919.7	2919.1	2924.8	2925.7	2920.4
172.0	3006.5	2998.2	3000.5	3002.5	2999.5	2997.9	2999.2	2998.9
173.0	3087.0	3073.3	3070.6	3070.2	3064.8	3068.6	3067.6	3062.3
174.0	3137.3	3125.9	3123.2	3125.4	3122.6	3129.2	3133.5	3125.7
175.0	3192.7	3175.9	3173.3	3173.1	3170.3	3174.6	3179.1	3178.9
176.0	3235.5	3223.5	3220.9	3218.2	3218.0	3220.0	3219.6	3214.4
177.0	3268.2	3256.0	3248.4	3248.3	3243.2	3245.3	3250.0	3252.4
178.0	3293.3	3278.5	3276.0	3275.9	3273.3	3280.6	3285.4	3285.4
179.0	3326.0	3316.1	3316.1	3313.5	3306.0	3310.9	3310.8	3308.2
180.0	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1

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	0.2	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	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
120.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
125.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
130.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.2
135.0	4.0	4.0	4.0	4.0	4.1	4.1	4.0	4.0
140.0	8.4	8.4	8.4	8.4	8.4	8.3	8.3	8.2
142.5	16.9	16.8	16.6	16.4	16.4	16.3	16.2	16.1
145.0	44.2	43.8	43.3	42.7	42.5	42.4	41.8	41.2
147.5	161.3	160.8	158.5	156.1	155.2	154.4	151.6	148.7
150.0	440.4	436.6	431.4	425.1	421.8	418.7	413.1	408.3
152.5	810.5	807.6	801.9	793.6	791.6	788.8	782.9	778.2
155.0	1168.1	1166.8	1162.1	1156.2	1159.3	1158.4	1148.9	1144.7
157.5	1439.2	1438.6	1435.5	1428.8	1432.2	1435.5	1431.1	1425.4
160.0	1691.3	1691.6	1687.0	1682.2	1686.8	1690.8	1686.5	1683.3
162.5	2002.2	2000.7	1996.6	1992.1	1994.1	1996.1	1989.5	1986.0
165.0	2321.1	2314.3	2307.5	2302.2	2304.9	2310.2	2305.9	2302.6
166.0	2422.3	2418.0	2411.1	2408.1	2411.1	2414.1	2409.7	2403.9
167.0	2531.2	2534.3	2524.8	2519.1	2527.3	2530.6	2526.1	2517.9
168.0	2640.0	2640.6	2636.0	2630.0	2633.5	2639.5	2632.4	2629.4
169.0	2736.2	2734.1	2724.5	2718.3	2724.5	2728.2	2721.0	2720.6
170.0	2822.3	2820.1	2812.9	2809.1	2812.9	2816.8	2809.6	2814.3
171.0	2910.9	2908.7	2909.0	2902.4	2906.5	2908.0	2900.7	2897.9
172.0	2991.9	2989.6	2984.8	2983.1	2984.8	2984.0	2981.7	2981.5
173.0	3055.1	3052.8	3050.5	3048.6	3055.6	3060.0	3057.7	3054.9
174.0	3118.4	3118.6	3116.2	3111.7	3113.7	3115.7	3115.9	3113.2
175.0	3179.2	3181.8	3179.4	3174.7	3179.4	3181.6	3179.2	3176.5
176.0	3212.1	3214.7	3214.8	3207.5	3212.3	3217.0	3219.7	3224.6
177.0	3245.0	3247.6	3247.6	3245.3	3250.2	3250.0	3245.0	3239.8
178.0	3280.4	3280.5	3278.0	3278.1	3283.0	3288.0	3285.5	3285.4
179.0	3303.2	3308.3	3305.8	3303.3	3310.8	3318.4	3313.3	3315.8
180.0	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1

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	0.2	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

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Intensity [cd] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / 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
115.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
120.0	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.8
125.0	1.3	1.3	1.3	1.2	1.2	1.2	1.2	1.2
130.0	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0
135.0	4.0	4.0	3.9	3.9	3.8	3.7	3.7	3.7
140.0	8.2	8.2	8.1	8.0	8.0	7.9	7.9	7.8
142.5	16.0	15.9	15.7	15.6	15.4	15.2	15.1	14.9
145.0	40.7	40.2	39.7	39.1	38.7	38.2	37.9	37.6
147.5	145.9	143.2	140.4	137.7	134.9	131.7	129.4	127.1
150.0	403.6	400.2	397.5	392.8	388.1	382.6	380.5	378.8
152.5	774.2	769.6	766.6	763.2	760.1	753.5	751.5	750.9
155.0	1141.5	1140.2	1142.5	1139.2	1136.0	1129.3	1127.7	1130.1
157.5	1425.7	1425.6	1426.5	1429.1	1426.3	1420.5	1426.4	1432.6
160.0	1683.5	1683.3	1682.2	1679.7	1678.7	1674.1	1680.3	1686.4
162.5	1984.9	1983.4	1984.9	1985.4	1982.3	1975.3	1983.8	1989.4
165.0	2299.3	2297.5	2299.3	2297.7	2297.9	2292.6	2302.2	2310.8
166.0	2403.2	2403.9	2405.7	2404.3	2407.3	2401.8	2409.1	2417.9
167.0	2512.2	2510.3	2517.3	2518.6	2516.7	2505.9	2518.6	2532.7
168.0	2623.8	2621.8	2623.8	2627.8	2626.1	2615.1	2620.5	2637.3
169.0	2722.6	2720.6	2722.6	2719.2	2722.8	2711.5	2722.4	2736.7
170.0	2811.4	2806.7	2806.3	2802.9	2806.8	2797.9	2808.9	2820.9
171.0	2900.1	2900.4	2900.1	2899.4	2901.0	2891.8	2898.1	2910.2
172.0	2978.7	2973.9	2976.1	2975.6	2969.7	2957.8	2969.4	2986.7
173.0	3049.6	3049.9	3047.1	3049.2	3053.6	3039.1	3045.8	3055.5
174.0	3110.5	3110.7	3107.9	3107.6	3112.2	3102.5	3114.5	3127.0
175.0	3168.8	3166.4	3163.7	3160.9	3165.6	3155.8	3165.5	3180.5
176.0	3222.0	3214.5	3209.4	3206.6	3214.0	3204.1	3211.3	3226.4
177.0	3244.8	3250.0	3255.0	3252.3	3259.8	3247.2	3254.6	3269.8
178.0	3282.9	3282.9	3285.4	3280.2	3282.7	3270.1	3275.0	3287.6
179.0	3310.8	3310.8	3313.3	3310.7	3308.1	3298.0	3305.5	3318.2
180.0	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1

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	0.1	0.1	0.1	0.1	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	0.2	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	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
120.0	0.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8
125.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
130.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
135.0	3.6	3.6	3.5	3.5	3.5	3.5	3.5	3.5
140.0	7.7	7.6	7.5	7.4	7.3	7.2	7.1	7.0
142.5	14.6	14.4	14.2	14.0	13.7	13.4	13.2	13.0
145.0	37.0	36.5	35.9	35.2	34.3	33.5	32.9	32.2
147.5	124.3	122.0	119.3	116.2	112.9	110.2	107.3	104.1
150.0	375.2	372.2	368.3	364.6	360.5	356.5	353.0	349.0
152.5	748.1	743.5	737.9	734.5	732.5	728.6	725.3	720.2
155.0	1127.6	1126.6	1120.3	1112.5	1110.2	1107.0	1106.1	1100.6
157.5	1429.0	1426.6	1423.0	1419.8	1419.4	1419.5	1417.8	1414.4
160.0	1680.2	1679.4	1677.9	1672.1	1672.0	1675.8	1676.2	1669.5
162.5	1982.4	1979.9	1977.5	1974.6	1973.3	1978.8	1980.8	1974.9
165.0	2301.8	2300.7	2299.5	2295.0	2297.2	2299.5	2301.0	2299.1
166.0	2410.8	2409.3	2407.7	2407.6	2411.8	2416.3	2417.7	2417.9
167.0	2524.9	2522.9	2520.9	2520.2	2521.4	2523.2	2524.4	2524.4
168.0	2631.4	2629.0	2629.1	2627.8	2631.0	2632.6	2633.6	2635.7

Intensity [cd] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd]	160.0	162.5	165.0	167.5	170.0	172.5	175.0	177.5
169.0	2732.8	2724.9	2722.2	2717.9	2723.2	2724.6	2728.0	2729.8
170.0	2813.9	2810.8	2810.3	2808.0	2807.9	2811.6	2814.8	2818.9
171.0	2905.1	2899.2	2900.8	2900.6	2902.6	2908.5	2911.6	2912.9
172.0	2983.7	2985.1	2986.4	2988.2	2992.3	2995.5	3001.0	3004.5
173.0	3049.6	3063.4	3059.4	3055.8	3059.5	3065.1	3073.0	3073.8
174.0	3113.0	3113.9	3119.7	3118.4	3121.8	3132.3	3137.5	3140.6
175.0	3171.3	3169.4	3172.6	3175.9	3176.6	3179.5	3182.2	3187.6
176.0	3217.0	3219.9	3217.9	3213.5	3214.0	3221.8	3229.4	3232.2
177.0	3257.5	3257.8	3255.6	3256.0	3261.4	3261.5	3264.1	3264.3
178.0	3285.4	3290.6	3290.8	3288.5	3291.3	3296.3	3298.9	3299.0
179.0	3310.8	3308.3	3313.5	3313.6	3316.2	3321.2	3323.7	3323.7
180.0	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1

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	0.1	0.0	0.0	0.0	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	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
120.0	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
125.0	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
130.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
135.0	3.4	3.4	3.4	3.3	3.3	3.3	3.3	3.3
140.0	6.9	6.8	6.7	6.7	6.6	6.6	6.5	6.4
142.5	12.8	12.5	12.3	12.1	11.9	11.7	11.4	11.2
145.0	31.5	30.9	30.4	30.0	29.6	29.2	28.6	28.1
147.5	101.4	99.4	98.5	97.9	97.5	96.8	96.2	95.4
150.0	343.5	338.3	335.1	332.1	328.9	325.2	320.6	316.0
152.5	712.1	705.1	703.6	699.2	695.4	688.8	682.2	674.5
155.0	1091.9	1084.2	1083.2	1081.8	1078.9	1071.9	1064.6	1057.6
157.5	1407.7	1403.1	1402.3	1401.6	1400.2	1394.8	1387.5	1381.5
160.0	1665.1	1664.1	1664.6	1663.4	1661.9	1660.3	1653.5	1647.4
162.5	1971.6	1968.2	1969.2	1970.7	1972.0	1971.3	1965.6	1958.4
165.0	2297.3	2295.4	2296.2	2297.9	2303.1	2304.4	2300.8	2297.8
166.0	2415.7	2411.0	2414.2	2418.4	2424.2	2426.3	2420.8	2416.0
167.0	2526.8	2524.2	2524.8	2526.7	2530.5	2533.2	2533.3	2534.1
168.0	2637.8	2634.9	2637.9	2642.3	2646.6	2647.5	2643.4	2639.7
169.0	2734.0	2730.9	2731.3	2730.9	2738.1	2744.5	2743.4	2742.8
170.0	2820.4	2819.4	2822.3	2824.4	2832.0	2833.9	2833.4	2828.3
171.0	2914.2	2912.9	2913.3	2917.9	2920.9	2921.0	2921.0	2916.3
172.0	3012.9	3013.8	3006.7	3004.0	3005.0	2998.0	2993.5	2989.2
173.0	3072.1	3070.4	3070.6	3070.4	3079.1	3085.0	3083.5	3082.2
174.0	3143.6	3139.3	3144.3	3144.2	3148.3	3147.2	3141.0	3140.0
175.0	3195.5	3195.9	3193.5	3193.4	3195.2	3196.9	3198.6	3192.8
176.0	3234.9	3237.7	3237.8	3237.7	3237.3	3239.2	3238.6	3235.5
177.0	3267.0	3267.2	3272.2	3272.1	3274.3	3276.4	3273.6	3273.3
178.0	3296.6	3296.7	3294.3	3296.7	3301.5	3303.8	3298.6	3295.9
179.0	3323.8	3323.8	3323.8	3326.3	3331.2	3328.6	3326.1	3318.5
180.0	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1

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	0.2	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

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Intensity [cd] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / 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
115.0	0.5	0.5	0.5	0.5	0.4	0.5	0.5	0.4
120.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
125.0	1.2	1.2	1.2	1.1	1.1	1.1	1.1	1.1
130.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
135.0	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
140.0	6.3	6.3	6.2	6.2	6.2	6.2	6.1	6.1
142.5	11.0	10.8	10.7	10.5	10.4	10.2	10.1	10.0
145.0	27.6	27.2	27.0	26.4	25.9	25.3	24.9	24.4
147.5	94.3	93.8	93.4	92.3	91.2	90.6	89.7	88.7
150.0	311.4	309.9	308.6	304.6	300.3	298.1	295.1	291.5
152.5	668.0	664.9	665.2	659.6	652.1	649.1	643.6	636.4
155.0	1054.3	1054.4	1058.5	1052.1	1043.7	1040.7	1034.3	1025.9
157.5	1378.4	1380.7	1384.2	1375.8	1369.7	1367.7	1363.4	1356.3
160.0	1644.1	1646.3	1654.9	1654.4	1649.9	1652.4	1653.0	1648.2
162.5	1958.3	1958.7	1963.8	1960.8	1959.3	1961.8	1958.4	1959.0
165.0	2298.9	2302.4	2312.5	2311.6	2312.3	2314.8	2310.4	2310.2
166.0	2417.5	2426.3	2431.3	2427.6	2430.8	2435.9	2436.1	2435.6
167.0	2536.1	2540.0	2547.6	2548.8	2549.4	2554.4	2554.2	2553.5
168.0	2642.1	2651.2	2658.8	2657.3	2660.3	2662.8	2662.3	2663.9
169.0	2748.1	2754.8	2757.3	2755.7	2758.7	2766.2	2767.9	2771.7
170.0	2828.9	2828.1	2835.7	2841.5	2846.9	2846.9	2848.4	2852.0
171.0	2914.7	2919.1	2926.7	2929.8	2935.2	2940.2	2936.4	2939.8
172.0	3000.5	2994.9	3007.5	3010.6	3015.9	3020.9	3016.8	3020.1
173.0	3081.2	3083.4	3085.9	3088.8	3091.5	3096.5	3092.2	3095.3
174.0	3144.3	3146.6	3149.1	3146.8	3152.0	3159.6	3157.6	3163.0
175.0	3197.3	3202.2	3209.7	3207.4	3205.0	3207.5	3202.9	3205.7
176.0	3240.2	3245.1	3252.7	3252.8	3252.9	3255.4	3253.1	3255.8
177.0	3278.1	3280.5	3285.6	3283.1	3285.7	3285.7	3283.3	3288.4
178.0	3300.8	3300.7	3303.2	3303.3	3305.8	3308.4	3308.4	3316.0
179.0	3315.9	3315.9	3323.5	3331.1	3331.1	3331.1	3328.6	3333.6
180.0	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1

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	0.0	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	0.2	0.2	0.2	0.2	0.2	0.2
110.0	0.3	0.3	0.3	0.3	0.3	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	0.7	0.7	0.7	0.7
125.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
130.0	1.9	1.9	1.9	1.8	1.8	1.8	1.8	1.8
135.0	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.1
140.0	6.1	6.1	6.0	6.0	5.9	5.9	5.8	5.8
142.5	9.8	9.7	9.5	9.4	9.3	9.3	9.1	9.0
145.0	23.9	23.2	22.7	22.4	22.2	21.9	21.2	20.6
147.5	87.2	85.4	84.0	83.3	82.1	81.1	79.0	76.7
150.0	287.1	282.2	279.6	278.9	276.6	275.0	271.9	269.2
152.5	633.5	624.6	621.2	619.5	617.7	617.9	613.2	609.0
155.0	1020.3	1011.1	1007.1	1006.1	1007.3	1010.3	1006.3	1001.1
157.5	1352.9	1342.4	1338.9	1340.4	1341.9	1343.9	1337.2	1333.9
160.0	1644.3	1631.9	1627.2	1629.0	1632.0	1636.1	1632.3	1624.6
162.5	1953.1	1946.3	1944.4	1945.4	1950.4	1957.3	1951.7	1947.7
165.0	2308.3	2303.1	2300.4	2303.7	2306.2	2311.3	2311.5	2309.8
166.0	2435.8	2430.3	2432.4	2433.0	2435.5	2438.5	2436.5	2432.2
167.0	2553.3	2550.1	2551.9	2557.4	2559.9	2563.2	2563.9	2564.5
168.0	2663.4	2659.9	2658.9	2659.4	2666.9	2675.4	2678.9	2679.4

Intensity [cd] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / 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
169.0	2770.9	2764.7	2761.0	2766.4	2776.4	2775.1	2773.8	2776.8
170.0	2855.9	2857.0	2855.6	2853.5	2853.5	2859.9	2858.8	2861.7
171.0	2938.5	2936.9	2937.8	2940.5	2948.0	2957.1	2958.8	2959.0
172.0	3021.0	3011.7	3024.9	3020.2	3027.6	3036.9	3033.7	3034.0
173.0	3093.5	3091.6	3092.1	3094.8	3099.8	3106.7	3113.7	3113.9
174.0	3163.5	3163.9	3164.3	3164.4	3162.0	3166.6	3168.7	3168.8
175.0	3206.1	3203.9	3211.6	3214.2	3214.2	3218.9	3223.6	3226.2
176.0	3258.6	3258.8	3258.9	3261.5	3266.4	3271.3	3271.1	3271.2
177.0	3293.6	3291.2	3296.3	3298.8	3301.3	3306.2	3301.1	3291.2
178.0	3318.6	3318.6	3321.2	3326.2	3328.6	3331.1	3331.1	3333.6
179.0	3333.6	3333.6	3338.6	3341.1	3333.6	3328.6	3331.1	3336.1
180.0	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1

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	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.0
100.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
105.0	0.2	0.1	0.1	0.1	0.1	0.1	0.2	0.1
110.0	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3
115.0	0.4	0.4	0.4	0.4	0.4	0.4	0.5	0.4
120.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
125.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
130.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
135.0	3.1	3.1	3.0	3.0	3.0	3.0	3.0	3.0
140.0	5.7	5.6	5.6	5.5	5.4	5.4	5.4	5.3
142.5	8.9	8.8	8.7	8.5	8.3	8.2	8.1	8.0
145.0	20.1	19.6	19.3	18.9	18.4	18.0	17.5	17.0
147.5	74.2	71.0	68.2	65.9	64.0	62.3	60.7	58.7
150.0	267.7	266.2	265.0	260.4	253.3	243.9	233.7	225.0
152.5	606.3	606.8	607.4	604.2	603.1	600.5	593.8	583.8
155.0	1001.3	1000.8	1002.1	997.4	997.4	995.6	985.6	976.4
157.5	1334.9	1338.7	1341.4	1340.6	1343.6	1346.9	1339.2	1329.2
160.0	1629.6	1639.6	1639.6	1635.8	1640.5	1643.1	1639.2	1634.9
162.5	1951.3	1956.2	1962.3	1962.0	1971.3	1976.7	1976.1	1968.3
165.0	2313.1	2323.0	2331.3	2329.1	2336.8	2341.5	2339.3	2332.0
166.0	2440.3	2447.8	2455.9	2460.5	2468.5	2474.0	2472.0	2464.1
167.0	2572.6	2580.1	2588.1	2587.0	2592.8	2603.9	2602.3	2593.6
168.0	2684.9	2692.3	2702.8	2703.6	2712.1	2718.9	2720.0	2718.2
169.0	2787.2	2794.6	2800.0	2802.8	2821.5	2831.3	2825.2	2810.4
170.0	2874.5	2887.0	2894.8	2884.7	2901.1	2916.3	2920.3	2910.1
171.0	2969.3	2976.8	2984.5	2978.9	2993.0	3011.2	3015.5	3002.2
172.0	3044.2	3054.1	3061.8	3060.8	3070.1	3088.7	3088.1	3082.0
173.0	3124.0	3134.0	3139.1	3135.2	3142.2	3156.2	3158.3	3149.2
174.0	3178.9	3191.4	3201.5	3197.2	3206.8	3218.7	3223.4	3214.0
175.0	3228.8	3238.8	3253.8	3246.8	3251.6	3268.6	3273.5	3258.9
176.0	3276.2	3283.7	3291.2	3284.0	3291.4	3306.1	3306.0	3296.2
177.0	3296.2	3316.1	3331.1	3326.2	3338.6	3348.6	3346.1	3326.1
178.0	3338.6	3343.6	3346.1	3341.1	3346.0	3353.6	3348.6	3331.1
179.0	3343.6	3348.6	3351.1	3346.0	3351.0	3358.6	3356.1	3341.1
180.0	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1

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	0.0	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	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
110.0	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3

Intensity [cd] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / 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
115.0	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
120.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
125.0	1.1	1.1	1.1	1.1	1.2	1.2	1.2	1.2
130.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
135.0	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9
140.0	5.3	5.3	5.2	5.2	5.2	5.2	5.3	5.3
142.5	7.9	7.9	7.8	7.8	7.7	7.7	7.7	7.7
145.0	16.4	16.1	15.8	15.6	15.4	15.4	15.3	15.2
147.5	56.0	53.4	51.4	50.1	49.4	49.0	48.8	48.9
150.0	220.2	217.7	215.8	214.0	212.3	212.1	211.5	209.6
152.5	576.8	575.0	569.2	564.4	561.7	561.3	561.6	557.7
155.0	970.9	977.6	974.5	972.5	973.0	975.9	975.9	969.8
157.5	1324.8	1333.2	1334.2	1333.9	1335.9	1339.9	1342.3	1337.4
160.0	1636.8	1644.8	1645.4	1646.2	1651.3	1657.9	1662.4	1658.7
162.5	1969.0	1981.9	1983.4	1987.9	1992.8	1995.7	2003.6	2002.2
165.0	2333.0	2347.6	2355.5	2359.4	2364.3	2370.3	2376.2	2376.9
166.0	2464.3	2476.1	2481.1	2487.3	2492.2	2500.8	2509.5	2510.1
167.0	2595.6	2607.1	2614.2	2617.7	2627.6	2636.4	2642.7	2643.2
168.0	2716.9	2720.8	2727.5	2733.3	2740.7	2749.7	2758.7	2761.6
169.0	2808.6	2824.6	2833.5	2844.1	2853.9	2858.1	2859.9	2862.7
170.0	2905.2	2918.5	2924.6	2930.2	2944.9	2954.2	2958.6	2961.3
171.0	2999.3	3012.4	3018.3	3026.1	3036.0	3042.9	3049.9	3052.5
172.0	3076.0	3089.0	3094.6	3102.4	3114.7	3119.3	3121.4	3116.7
173.0	3147.9	3160.6	3171.0	3178.6	3186.0	3190.7	3193.0	3193.1
174.0	3209.8	3222.4	3230.2	3232.8	3242.6	3244.9	3242.3	3247.3
175.0	3256.8	3269.4	3274.5	3277.1	3286.9	3294.2	3294.2	3301.6
176.0	3289.0	3301.5	3309.0	3311.5	3316.4	3318.9	3321.3	3321.3
177.0	3318.8	3326.2	3326.2	3328.7	3331.2	3336.1	3341.0	3343.5
178.0	3323.7	3338.6	3346.0	3348.4	3348.4	3348.4	3346.0	3350.9
179.0	3336.1	3346.0	3353.3	3353.3	3355.8	3353.3	3350.9	3348.4
180.0	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1

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	0.0	0.0	0.0	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	0.3	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	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
125.0	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.0
130.0	1.8	1.8	1.8	1.8	1.8	1.7	1.7	1.7
135.0	2.9	2.9	2.9	3.0	3.0	3.0	3.0	3.0
140.0	5.3	5.3	5.3	5.3	5.4	5.4	5.5	5.5
142.5	7.8	7.8	7.9	7.9	8.0	8.1	8.2	8.2
145.0	15.1	15.2	15.4	15.6	15.6	15.9	16.2	16.4
147.5	49.6	51.1	52.9	53.9	54.4	55.4	56.7	58.1
150.0	208.4	207.9	208.8	211.8	218.0	226.6	235.9	240.9
152.5	560.3	566.1	566.1	565.0	564.2	565.8	571.8	574.2
155.0	968.2	972.8	972.7	968.5	968.1	972.8	980.4	984.2
157.5	1339.4	1343.9	1342.7	1342.2	1343.8	1347.8	1356.1	1361.2
160.0	1659.9	1666.8	1671.0	1677.3	1684.2	1691.0	1699.6	1705.6
162.5	2005.1	2015.0	2020.6	2025.2	2031.9	2044.1	2056.7	2063.6
165.0	2387.9	2396.7	2404.3	2413.7	2422.1	2430.2	2437.7	2441.6
166.0	2516.3	2528.1	2541.3	2549.1	2550.5	2556.3	2566.4	2570.1
167.0	2647.2	2659.5	2670.9	2684.4	2691.5	2697.6	2705.2	2708.7
168.0	2768.2	2780.9	2790.5	2799.7	2804.8	2813.7	2821.3	2819.6

Intensity [cd] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / 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
169.0	2871.9	2887.5	2895.1	2907.5	2918.1	2924.8	2927.3	2927.9
170.0	2975.6	2981.7	2989.8	2997.7	3001.2	3010.6	3018.1	3013.6
171.0	3059.5	3070.9	3079.5	3090.5	3094.4	3096.4	3101.4	3099.2
172.0	3123.7	3135.3	3144.3	3150.6	3157.3	3164.5	3169.5	3169.8
173.0	3195.3	3202.3	3211.5	3223.3	3227.8	3232.6	3235.2	3230.3
174.0	3252.1	3264.2	3271.3	3281.0	3283.2	3285.6	3288.2	3285.7
175.0	3299.1	3303.9	3306.2	3313.5	3326.0	3323.5	3321.0	3318.5
176.0	3323.8	3326.2	3333.6	3343.6	3348.7	3348.7	3348.7	3346.2
177.0	3343.5	3348.5	3353.5	3358.7	3358.8	3358.8	3358.8	3361.3
178.0	3353.4	3358.4	3361.0	3366.2	3366.3	3361.3	3361.3	3358.8
179.0	3348.4	3353.5	3358.5	3363.7	3361.3	3356.3	3358.8	3356.3
180.0	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1

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	0.1	0.1	0.1	0.1	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	0.2	0.2	0.2	0.2	0.1	0.1	0.2	0.2
110.0	0.2	0.2	0.2	0.3	0.2	0.2	0.2	0.3
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	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
130.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
135.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.1
140.0	5.6	5.6	5.6	5.7	5.7	5.7	5.7	5.8
142.5	8.3	8.4	8.4	8.5	8.5	8.5	8.5	8.6
145.0	16.5	16.7	16.9	17.2	17.4	17.6	17.7	17.8
147.5	60.6	64.3	66.8	68.5	69.8	71.1	72.4	74.0
150.0	241.9	241.8	242.5	244.1	244.9	246.3	248.1	251.8
152.5	571.8	569.6	570.9	573.4	571.3	573.2	578.0	583.4
155.0	981.5	980.1	980.3	984.6	985.6	989.1	996.1	1003.6
157.5	1360.6	1357.7	1358.5	1359.4	1362.9	1368.1	1373.4	1379.2
160.0	1705.5	1703.1	1709.3	1713.6	1716.3	1721.9	1727.0	1732.6
162.5	2062.5	2059.7	2067.2	2075.7	2076.6	2081.0	2091.6	2097.3
165.0	2439.3	2440.1	2450.1	2453.3	2451.5	2460.3	2471.5	2480.2
166.0	2569.9	2570.3	2580.3	2585.9	2588.9	2592.5	2601.4	2605.3
167.0	2703.0	2695.4	2700.4	2705.9	2713.9	2719.8	2723.9	2730.4
168.0	2813.6	2808.0	2818.0	2823.4	2828.8	2832.1	2838.8	2845.6
169.0	2921.6	2920.7	2928.2	2928.5	2928.8	2929.4	2936.3	2945.7
170.0	3012.0	3005.7	3010.8	3013.5	3016.2	3021.7	3031.2	3035.8
171.0	3092.4	3088.3	3098.3	3103.5	3103.7	3104.0	3108.7	3113.4
172.0	3165.3	3163.4	3165.9	3168.5	3166.2	3168.9	3173.7	3175.9
173.0	3225.6	3223.5	3231.0	3236.1	3236.1	3233.8	3236.1	3238.5
174.0	3280.8	3278.5	3283.5	3283.6	3283.6	3283.7	3288.6	3288.5
175.0	3316.0	3311.1	3316.1	3316.1	3316.1	3313.6	3316.1	3321.1
176.0	3346.2	3343.6	3346.1	3348.6	3346.1	3348.6	3351.1	3351.1
177.0	3356.2	3351.1	3356.1	3353.6	3348.6	3353.6	3358.6	3358.6
178.0	3356.2	3358.6	3361.1	3361.1	3356.1	3356.1	3358.6	3358.6
179.0	3353.7	3346.1	3351.1	3351.1	3353.6	3348.6	3358.6	3361.1
180.0	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1

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	0.1	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

Intensity [cd] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / C0 to C355 in 5 - Gamma 90 to 180

G/C [cd]	320.0	322.5	325.0	327.5	330.0	332.5	335.0	337.5
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	0.7	0.7	0.7	0.7
125.0	1.0	1.0	1.0	1.0	1.0	1.1	1.1	1.1
130.0	1.7	1.7	1.8	1.8	1.8	1.8	1.8	1.8
135.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
140.0	5.8	5.7	5.7	5.7	5.7	5.7	5.7	5.6
142.5	8.6	8.6	8.6	8.6	8.6	8.7	8.7	8.7
145.0	17.9	17.9	17.9	18.0	18.0	18.1	18.1	18.1
147.5	74.8	74.9	75.1	75.6	76.0	76.4	75.8	74.4
150.0	253.9	254.0	253.9	255.0	258.3	261.5	263.5	265.1
152.5	584.8	583.8	584.5	587.3	591.9	596.9	598.1	599.2
155.0	1005.3	1001.1	1002.6	1005.3	1010.1	1014.3	1014.1	1014.4
157.5	1382.3	1379.8	1381.1	1383.5	1387.0	1390.8	1389.3	1384.1
160.0	1733.7	1731.7	1731.7	1731.7	1735.4	1735.9	1731.7	1726.2
162.5	2100.4	2098.8	2100.4	2103.8	2104.8	2104.8	2096.3	2089.5
165.0	2483.9	2482.0	2483.9	2487.0	2490.2	2492.7	2492.1	2485.8
166.0	2611.7	2612.3	2616.7	2619.8	2625.3	2625.3	2624.8	2621.2
167.0	2734.6	2732.5	2739.6	2747.5	2745.5	2748.0	2745.0	2736.6
168.0	2852.4	2852.7	2852.4	2852.7	2858.1	2860.6	2857.7	2857.0
169.0	2955.1	2955.4	2957.6	2957.9	2958.2	2955.7	2952.9	2947.3
170.0	3037.8	3035.6	3037.8	3043.1	3048.3	3048.3	3043.1	3040.1
171.0	3120.5	3118.2	3123.1	3128.2	3125.9	3125.9	3123.2	3117.9
172.0	3180.7	3180.8	3180.7	3180.8	3185.9	3190.9	3195.8	3190.6
173.0	3240.9	3240.9	3243.4	3245.9	3248.5	3248.5	3248.4	3243.3
174.0	3288.5	3286.0	3288.5	3291.0	3291.1	3293.6	3291.0	3285.9
175.0	3326.1	3323.6	3326.1	3328.6	3336.1	3336.1	3326.1	3316.0
176.0	3353.6	3351.1	3351.1	3356.1	3356.1	3356.1	3353.6	3346.1
177.0	3358.7	3358.6	3363.7	3368.7	3371.1	3373.6	3371.2	3366.2
178.0	3358.7	3356.1	3361.2	3361.1	3358.6	3361.1	3366.2	3366.2
179.0	3358.7	3348.6	3346.1	3353.6	3356.1	3353.6	3353.6	3346.1
180.0	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1

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	0.1	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	0.4	0.5	0.5	0.5	0.5	0.5
120.0	0.7	0.7	0.7	0.7	0.8	0.8	0.8	0.8
125.0	1.1	1.1	1.1	1.1	1.1	1.1	1.2	1.2
130.0	1.8	1.8	1.8	1.9	1.9	1.9	1.9	1.9
135.0	3.1	3.0	3.1	3.1	3.1	3.1	3.1	3.1
140.0	5.6	5.7	5.7	5.7	5.7	5.8	5.8	5.8
142.5	8.6	8.6	8.7	8.7	8.8	8.8	8.9	9.0
145.0	18.0	17.9	18.0	18.1	18.2	18.4	18.6	18.8
147.5	73.2	72.6	72.1	71.9	71.4	70.2	69.2	68.8
150.0	266.8	269.5	272.2	274.0	274.9	276.6	280.3	285.2
152.5	599.4	602.3	607.6	616.2	620.2	624.2	632.0	641.0
155.0	1012.4	1014.2	1017.2	1026.2	1029.0	1032.7	1042.2	1051.8
157.5	1380.4	1379.5	1383.2	1392.0	1395.7	1398.4	1404.6	1407.5
160.0	1719.8	1720.1	1720.8	1725.1	1728.0	1733.0	1737.4	1739.1
162.5	2083.5	2083.2	2083.5	2093.0	2093.6	2093.3	2094.0	2093.3
165.0	2477.6	2475.7	2477.5	2481.1	2477.3	2475.3	2474.0	2467.7
166.0	2610.6	2606.5	2606.3	2613.1	2612.0	2610.3	2609.2	2605.2
167.0	2733.6	2734.8	2735.0	2739.9	2736.5	2735.1	2726.5	2717.3
168.0	2854.1	2853.0	2856.3	2856.6	2848.3	2842.1	2838.7	2837.0

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Intensity [cd] PUK ITALIA 1505-QL18-S19 ART-206002 36deg / 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
169.0	2947.0	2948.7	2952.2	2960.6	2955.0	2951.6	2956.1	2949.0
170.0	3034.9	3036.7	3040.6	3046.9	3049.0	3043.2	3042.8	3033.1
171.0	3112.7	3112.2	3111.3	3125.5	3122.7	3122.2	3121.9	3109.5
172.0	3185.5	3185.1	3189.6	3196.6	3193.8	3190.9	3188.2	3178.2
173.0	3238.2	3240.5	3242.7	3252.4	3249.7	3249.5	3254.5	3247.0
174.0	3280.9	3283.3	3283.1	3287.9	3285.3	3282.6	3287.6	3280.1
175.0	3313.5	3313.5	3313.4	3323.4	3323.4	3320.8	3320.8	3313.2
176.0	3338.6	3341.1	3336.1	3338.6	3336.1	3341.2	3348.9	3343.7
177.0	3356.2	3356.2	3351.3	3346.2	3341.2	3346.3	3354.0	3353.9
178.0	3356.2	3353.7	3346.2	3353.9	3353.9	3356.5	3361.6	3359.0
179.0	3341.1	3341.1	3338.6	3346.2	3343.7	3346.3	3351.4	3348.8
180.0	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1	3336.1

PHOTOMETRIC RESULTS

File Name:	PUK ITALIA 1505-QL18-S19 ART-206002 36deg		
Sample Number:	1505-QL18-S19		
Report Number:			
Model:	ART-206002 36deg		
Flux:	1456 lm	Flux 2	0.00 lm
Date:	04/12/2018 14.15.10		
Manufacturer:	ART-206002		

Electrical protocol PUK ITALIA 1505-QL18-S19 ART-206002 36deg / C0 to C355 in 5 - Gamma 90 to 180

G [deg]	U [V]	I [A]	P [W]	PF	f [Hz]
90.0	230.08	0.070	15.2	0.9365	50.00
95.0	230.09	0.070	15.2	0.9364	50.00
100.0	230.08	0.070	15.2	0.9365	50.00
105.0	230.09	0.070	15.2	0.9364	50.00
110.0	230.09	0.070	15.2	0.9365	50.00
115.0	230.09	0.070	15.2	0.9365	50.00
120.0	230.09	0.070	15.2	0.9364	50.00
125.0	230.09	0.070	15.2	0.9365	50.00
130.0	230.09	0.070	15.2	0.9363	50.00
135.0	230.09	0.070	15.2	0.9364	50.00
140.0	230.09	0.070	15.2	0.9364	50.00
142.5	230.09	0.070	15.2	0.9364	50.00
145.0	230.09	0.070	15.2	0.9364	50.00
147.5	230.09	0.070	15.2	0.9363	50.00
150.0	230.09	0.070	15.2	0.9364	50.00
152.5	230.09	0.070	15.2	0.9364	50.00
155.0	230.09	0.070	15.2	0.9365	50.00
157.5	230.09	0.070	15.2	0.9364	50.00
160.0	230.09	0.070	15.2	0.9364	50.00
162.5	230.09	0.070	15.2	0.9365	50.00
165.0	230.09	0.070	15.2	0.9364	50.00
166.0	230.09	0.070	15.2	0.9364	50.00
167.0	230.09	0.070	15.2	0.9363	50.00
168.0	230.09	0.070	15.2	0.9365	50.00
169.0	230.09	0.070	15.2	0.9364	50.00
170.0	230.09	0.070	15.2	0.9364	50.00
171.0	230.09	0.070	15.2	0.9364	50.00
172.0	230.09	0.070	15.2	0.9363	50.00
173.0	230.09	0.070	15.2	0.9365	50.00
174.0	230.09	0.070	15.2	0.9364	50.00
175.0	230.09	0.070	15.2	0.9364	50.00
176.0	230.09	0.070	15.2	0.9364	50.00
177.0	230.09	0.070	15.2	0.9364	50.00
178.0	230.09	0.070	15.2	0.9364	50.00
179.0	230.09	0.070	15.2	0.9364	50.00

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Electrical protocol PUK ITALIA 1505-QL18-S19 ART-206002 36deg / C0 to C355 in 5 -
Gamma 90 to 180

G [deg]	U [V]	I [A]	P [W]	PF	f [Hz]
180.0	230.09	0.070	15.2	0.9364	50.00