

HALCYON - R852 CRI90 4000K (70D)

Luminaire Name: R852 CRI90 4000K (70D)

Report NO.: 01314520072301A

Test NO.:

Lamp: CITIZEN CLU038-1205C4-403H5M3 700mA

Sum Lumens: 3094.93 lm

Number of Lamps: 1

Diameter: 114mm

Length: -114mm

Photometric Type: Type C

Voltage: 228.67 V

Current: 0.1291 A

Power: 28.172 W

Power Factor: 0.9543

Ballast Type: TRIDONIC LC 30/700/42 fixC SC ADV2

Width: -114mm

Height: 0mm

Optical Component: 70D Reflector DC(V:35.86V I:0.700A P:25.10W)

Photometric Results

Lumens: 2682.89 lm

Efficiency: 86.69%

Central Intensity: 2114.246cd

Maximum Intensity: 2544.735cd

Beam Angle(10%): Left: -61.0 Right:20.8

Maximum s/h: C0_180: 0.59 C90_270: 0.59

Effective Luminous Flux: 2514.72 lm

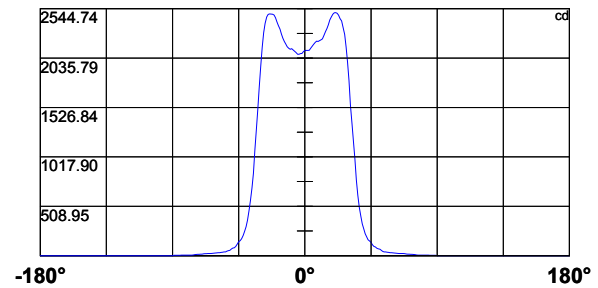
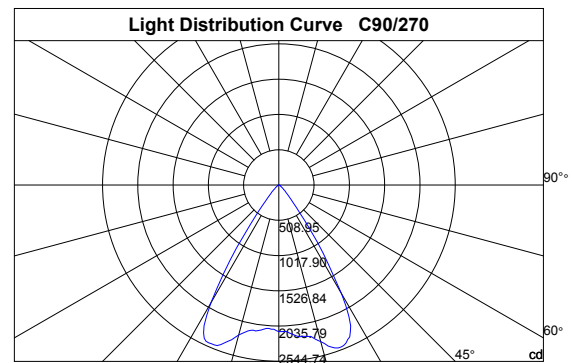
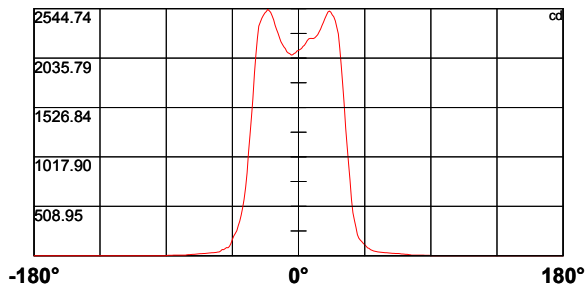
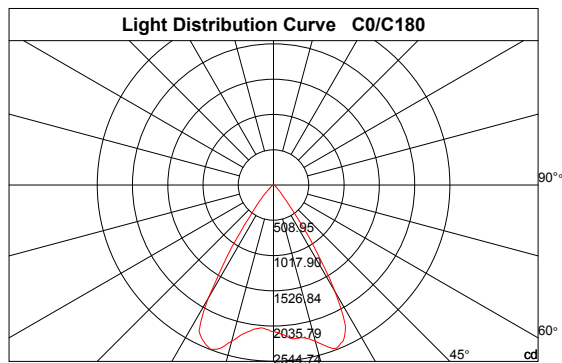
Angle of maximum intensity: C:150.0 G:21.0

Half Peak Side Angle(50%): Left: -53.7 Right:11.8

Up Flux Rate: 0.0%

Down Flux Rate: 86.69%

CIE Classification: Direct



Intensity Data [cd]

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C\γ	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
0.0	2114.2	2123.5	2134.5	2155.4	2168.2	2191.2	2218.0	2235.5	2237.6	2237.6
30.0	2114.2	2116.2	2119.2	2140.5	2160.5	2183.5	2206.9	2221.9	2228.2	2231.6
60.0	2114.2	2116.6	2120.0	2130.7	2157.5	2176.3	2197.6	2218.0	2221.9	2225.7
90.0	2114.2	2114.5	2114.1	2117.5	2138.4	2156.3	2177.6	2197.1	2210.8	2208.2
120.0	2114.2	2112.4	2099.6	2100.0	2102.2	2120.5	2142.6	2160.1	2172.0	2181.0
150.0	2114.2	2113.2	2098.7	2089.4	2082.1	2094.9	2108.5	2121.7	2139.6	2157.1
180.0	2114.2	2110.2	2089.4	2082.6	2070.2	2067.2	2081.7	2088.5	2102.6	2132.8
210.0	2114.2	2084.3	2068.9	2061.3	2051.0	2061.3	2068.5	2084.7	2110.7	2130.3
240.0	2114.2	2089.8	2075.3	2068.1	2058.3	2055.7	2064.7	2077.0	2095.8	2109.8
270.0	2114.2	2101.3	2082.1	2081.3	2074.9	2075.7	2093.2	2106.4	2119.2	2131.5
300.0	2114.2	2100.0	2100.9	2112.8	2107.3	2114.9	2137.1	2151.6	2160.1	2164.8
330.0	2114.2	2119.2	2126.4	2140.5	2143.5	2158.0	2187.3	2202.7	2209.9	2203.1
360.0	2114.2	2123.5	2134.5	2155.4	2168.2	2191.2	2218.0	2235.5	2237.6	2237.6

C\γ	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	2236.8	2243.6	2258.5	2276.4	2305.3	2333.9	2371.8	2404.2	2442.9	2478.7
30.0	2227.4	2226.5	2236.3	2261.9	2286.6	2313.9	2353.5	2386.7	2411.4	2442.9
60.0	2224.0	2225.3	2241.0	2265.3	2286.2	2319.8	2369.7	2405.0	2431.0	2455.3
90.0	2215.9	2224.4	2233.8	2271.3	2307.5	2339.8	2377.8	2427.2	2458.3	2486.4
120.0	2195.0	2204.4	2227.0	2269.1	2306.2	2349.2	2389.3	2443.8	2477.0	2507.3
150.0	2171.6	2199.3	2224.4	2264.4	2297.7	2353.9	2398.6	2440.8	2481.7	2518.8
180.0	2151.1	2176.7	2204.8	2247.4	2292.6	2331.8	2373.9	2430.1	2473.6	2506.8
210.0	2144.3	2164.8	2198.4	2227.8	2262.3	2313.0	2353.9	2408.4	2447.6	2477.9
240.0	2118.8	2141.8	2164.8	2188.2	2218.4	2266.6	2312.2	2358.2	2410.1	2446.8
270.0	2126.4	2136.7	2152.4	2180.1	2207.8	2239.3	2282.8	2334.3	2370.5	2408.4
300.0	2164.3	2167.8	2170.7	2186.9	2211.6	2253.4	2287.4	2334.3	2369.2	2404.6
330.0	2200.1	2204.8	2213.3	2229.1	2253.4	2289.6	2325.8	2357.3	2408.9	2440.8
360.0	2236.8	2243.6	2258.5	2276.4	2305.3	2333.9	2371.8	2404.2	2442.9	2478.7

C\γ	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	2510.7	2521.7	2508.5	2481.3	2463.4	2419.1	2355.6	2285.3	2135.0	1960.7
30.0	2465.9	2487.2	2487.2	2451.4	2429.7	2378.2	2327.5	2250.8	2157.5	1968.8
60.0	2476.6	2484.7	2476.6	2448.0	2419.5	2382.9	2327.5	2255.9	2128.1	1977.3
90.0	2501.7	2504.3	2497.5	2477.0	2442.9	2418.2	2352.2	2279.8	2150.7	1991.4
120.0	2522.2	2519.2	2516.6	2497.5	2461.7	2429.7	2380.7	2310.0	2154.5	1985.9
150.0	2538.3	2544.7	2520.0	2502.6	2479.1	2446.3	2394.4	2329.6	2221.0	1999.9
180.0	2523.9	2535.8	2515.8	2500.9	2474.9	2447.2	2408.9	2366.3	2234.6	2070.6
210.0	2503.4	2501.7	2485.1	2475.7	2461.7	2437.8	2402.9	2327.1	2193.7	2020.4
240.0	2471.9	2481.7	2475.7	2473.2	2466.4	2457.4	2426.3	2372.6	2268.7	2107.3
270.0	2450.6	2480.0	2487.7	2489.4	2491.1	2486.0	2458.7	2393.9	2298.1	2148.6
300.0	2443.4	2479.1	2491.1	2489.4	2492.3	2474.4	2446.3	2391.8	2285.3	2124.7
330.0	2471.5	2489.4	2493.6	2484.2	2474.0	2443.4	2394.8	2335.6	2235.9	2043.8
360.0	2510.7	2521.7	2508.5	2481.3	2463.4	2419.1	2355.6	2285.3	2135.0	1960.7

Intensity Data [cd]

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C\γ	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	1768.2	1569.3	1310.7	1125.4	946.1	776.5	578.9	443.0	359.9	292.2
30.0	1795.9	1611.4	1424.4	1177.8	1008.7	844.3	677.3	531.2	384.2	313.9
60.0	1804.0	1559.5	1374.2	1188.5	1018.9	826.8	668.8	511.2	392.7	328.4
90.0	1805.7	1550.5	1355.9	1172.7	995.1	778.7	624.5	502.6	405.9	328.0
120.0	1795.9	1569.3	1343.9	1154.4	978.9	814.5	633.0	510.7	429.4	355.3
150.0	1806.5	1609.3	1415.9	1230.2	1002.3	845.5	692.2	557.2	450.7	391.5
180.0	1881.1	1616.1	1423.2	1240.0	1066.6	855.8	706.7	578.9	491.1	419.2
210.0	1829.5	1561.6	1369.9	1187.6	954.2	797.8	658.1	541.4	460.9	372.7
240.0	1858.5	1663.4	1465.3	1271.1	1019.8	848.5	700.7	530.3	446.8	379.1
270.0	1960.7	1729.9	1500.7	1291.5	1088.3	848.1	698.6	562.7	460.0	364.6
300.0	1940.7	1738.4	1467.5	1262.6	1059.0	823.8	671.8	534.6	436.2	341.2
330.0	1816.3	1613.1	1414.2	1211.0	963.5	790.2	640.7	501.4	380.8	311.0
360.0	1768.2	1569.3	1310.7	1125.4	946.1	776.5	578.9	443.0	359.9	292.2

C\γ	40.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0
0.0	216.0	181.0	159.7	145.3	126.1	113.7	97.5	80.9	75.4	61.3
30.0	251.7	205.7	165.7	152.5	138.4	122.7	107.8	86.5	78.8	71.1
60.0	265.8	219.8	175.5	160.6	149.5	129.5	111.6	91.2	81.8	75.0
90.0	276.9	226.2	194.2	164.9	150.8	135.0	111.2	95.0	89.9	77.1
120.0	316.5	265.8	215.5	190.0	164.9	145.3	115.4	92.0	90.3	80.9
150.0	350.1	304.6	242.8	216.0	187.0	155.5	121.8	89.9	83.5	86.0
180.0	355.7	310.1	257.3	228.7	204.0	167.0	126.5	95.4	82.6	83.1
210.0	321.6	274.8	234.7	200.6	174.2	148.2	114.6	93.7	86.0	80.1
240.0	317.3	261.1	215.5	183.2	164.4	142.7	120.5	95.0	86.0	79.2
270.0	297.3	250.5	208.3	174.2	153.8	143.1	119.3	95.4	82.6	78.4
300.0	274.3	224.9	190.0	163.1	142.7	134.2	113.3	91.6	82.2	73.7
330.0	251.7	203.6	172.9	149.9	134.2	121.4	101.8	84.8	78.4	66.9
360.0	216.0	181.0	159.7	145.3	126.1	113.7	97.5	80.9	75.4	61.3

C\γ	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	55.8	49.0	45.2	42.2	39.6	37.1	35.4	34.1	32.4	30.7
30.0	58.4	55.0	48.6	43.0	40.5	37.9	35.8	34.1	32.4	31.1
60.0	62.6	62.2	52.4	44.7	40.0	37.5	35.8	33.7	31.9	30.7
90.0	69.4	67.3	54.5	43.4	39.6	37.5	35.4	33.2	31.1	29.8
120.0	68.6	68.2	55.8	43.4	38.8	36.2	33.7	31.5	30.2	29.0
150.0	71.6	63.9	59.6	47.7	39.2	36.6	33.7	31.9	30.2	29.0
180.0	72.8	61.8	62.6	48.6	39.6	36.6	34.5	32.4	30.7	29.4
210.0	67.3	61.8	56.7	43.4	38.8	36.2	34.1	31.5	30.7	29.4
240.0	72.8	57.5	55.0	47.3	40.5	37.5	35.4	32.8	31.1	30.2
270.0	68.6	55.8	51.1	47.3	40.0	37.5	35.4	33.2	31.1	29.8
300.0	60.9	55.4	49.4	46.4	40.5	37.9	36.2	34.1	31.5	30.7
330.0	57.9	51.1	47.3	43.4	40.0	37.5	35.8	33.7	31.9	30.7
360.0	55.8	49.0	45.2	42.2	39.6	37.1	35.4	34.1	32.4	30.7

Intensity Data [cd]

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C\γ	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	29.4	28.1	26.8	25.6	24.7	23.9	23.4	22.6	20.9	19.6
30.0	29.8	28.5	26.8	25.6	25.1	24.3	23.4	22.6	21.7	20.4
60.0	29.4	28.1	26.4	25.6	24.3	23.0	22.6	21.7	20.4	19.2
90.0	28.5	27.3	26.0	24.3	23.4	22.6	21.7	20.9	19.6	17.9
120.0	27.7	26.0	24.7	23.4	22.6	21.3	20.9	19.6	18.7	17.0
150.0	27.3	26.0	24.7	23.4	22.6	21.3	20.4	19.2	18.3	17.0
180.0	28.1	26.4	25.1	23.9	23.0	21.7	20.4	19.6	18.3	17.0
210.0	27.7	26.4	25.1	23.9	22.6	21.7	20.9	20.0	18.3	17.0
240.0	28.5	26.8	25.6	24.3	23.0	22.1	21.3	20.0	19.2	17.5
270.0	28.5	27.3	25.6	24.3	23.4	22.1	21.3	20.4	19.6	18.3
300.0	29.4	27.3	26.4	24.7	23.9	22.6	22.1	21.3	20.0	18.3
330.0	29.4	27.7	26.4	25.1	24.3	23.4	22.6	21.7	20.4	19.2
360.0	29.4	28.1	26.8	25.6	24.7	23.9	23.4	22.6	20.9	19.6

C\γ	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	17.9	17.0	15.8	14.5	13.2	11.1	8.5	6.0	5.5	5.5
30.0	18.7	17.5	16.6	15.3	13.6	11.9	9.8	8.1	5.5	5.5
60.0	17.5	16.2	15.3	13.6	12.4	10.6	8.1	6.8	5.5	5.5
90.0	16.6	15.8	14.5	13.2	11.9	10.2	8.1	6.0	5.5	5.5
120.0	15.8	14.9	13.6	12.8	11.5	9.8	8.1	6.0	5.5	5.5
150.0	15.3	14.5	13.6	12.4	11.1	9.8	7.7	6.0	5.5	5.5
180.0	15.8	14.5	13.6	12.4	11.1	10.2	8.5	6.8	5.5	5.5
210.0	15.8	14.5	13.2	11.9	11.1	8.9	7.2	6.0	5.5	5.5
240.0	16.2	14.9	13.6	12.8	11.1	9.8	7.7	6.0	5.5	5.5
270.0	16.6	15.3	14.5	13.2	11.9	10.2	8.1	6.4	5.5	5.1
300.0	17.0	16.2	14.9	13.6	12.4	10.6	8.5	6.4	5.5	5.5
330.0	17.9	16.6	15.3	14.5	13.2	11.5	8.5	6.8	5.5	5.5
360.0	17.9	17.0	15.8	14.5	13.2	11.1	8.5	6.0	5.5	5.5

C\γ	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	5.1	5.1	5.1	4.7	4.7	4.7	4.3	4.3	4.3	4.3
30.0	5.1	5.1	5.1	4.7	4.7	4.3	4.3	4.3	4.3	4.3
60.0	5.1	5.1	4.7	4.7	4.3	4.7	4.3	4.3	4.3	4.3
90.0	5.1	5.1	4.7	4.7	4.7	4.3	4.3	4.3	4.3	4.3
120.0	5.1	5.1	5.1	4.7	4.7	4.3	4.3	4.3	4.3	4.3
150.0	5.1	5.1	4.7	4.7	4.7	4.3	4.3	4.3	4.3	4.3
180.0	5.1	5.1	5.1	4.7	4.7	4.7	4.3	4.3	4.3	4.3
210.0	5.1	5.1	4.7	4.7	4.7	4.3	4.3	4.3	4.3	4.3
240.0	5.1	5.1	4.7	4.7	4.7	4.7	4.3	4.3	4.3	3.8
270.0	5.1	5.1	4.7	4.7	4.7	4.3	4.3	4.3	4.3	3.8
300.0	5.1	5.1	5.1	4.7	4.7	4.3	4.3	4.3	4.3	4.3
330.0	5.1	5.1	4.7	4.7	4.7	4.3	4.3	4.3	4.3	4.3
360.0	5.1	5.1	5.1	4.7	4.7	4.7	4.3	4.3	4.3	4.3

Intensity Data [cd]

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C\γ	90.0	91.0	92.0	93.0	94.0	95.0	96.0	97.0	98.0	99.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
330.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C\γ	100.0	101.0	102.0	103.0	104.0	105.0	106.0	107.0	108.0	109.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
330.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C\γ	110.0	111.0	112.0	113.0	114.0	115.0	116.0	117.0	118.0	119.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
330.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intensity Data [cd]

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C\γ	120.0	121.0	122.0	123.0	124.0	125.0	126.0	127.0	128.0	129.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
330.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C\γ	130.0	131.0	132.0	133.0	134.0	135.0	136.0	137.0	138.0	139.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
330.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C\γ	140.0	141.0	142.0	143.0	144.0	145.0	146.0	147.0	148.0	149.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
330.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intensity Data [cd]

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C\γ	150.0	151.0	152.0	153.0	154.0	155.0	156.0	157.0	158.0	159.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
330.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C\γ	160.0	161.0	162.0	163.0	164.0	165.0	166.0	167.0	168.0	169.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
330.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C\γ	170.0	171.0	172.0	173.0	174.0	175.0	176.0	177.0	178.0	179.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
210.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
240.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
270.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
300.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
330.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Intensity Data [cd]

C\γ	180.0
0.0	0.0
30.0	0.0
60.0	0.0
90.0	0.0
120.0	0.0
150.0	0.0
180.0	0.0
210.0	0.0
240.0	0.0
270.0	0.0
300.0	0.0
330.0	0.0
360.0	0.0

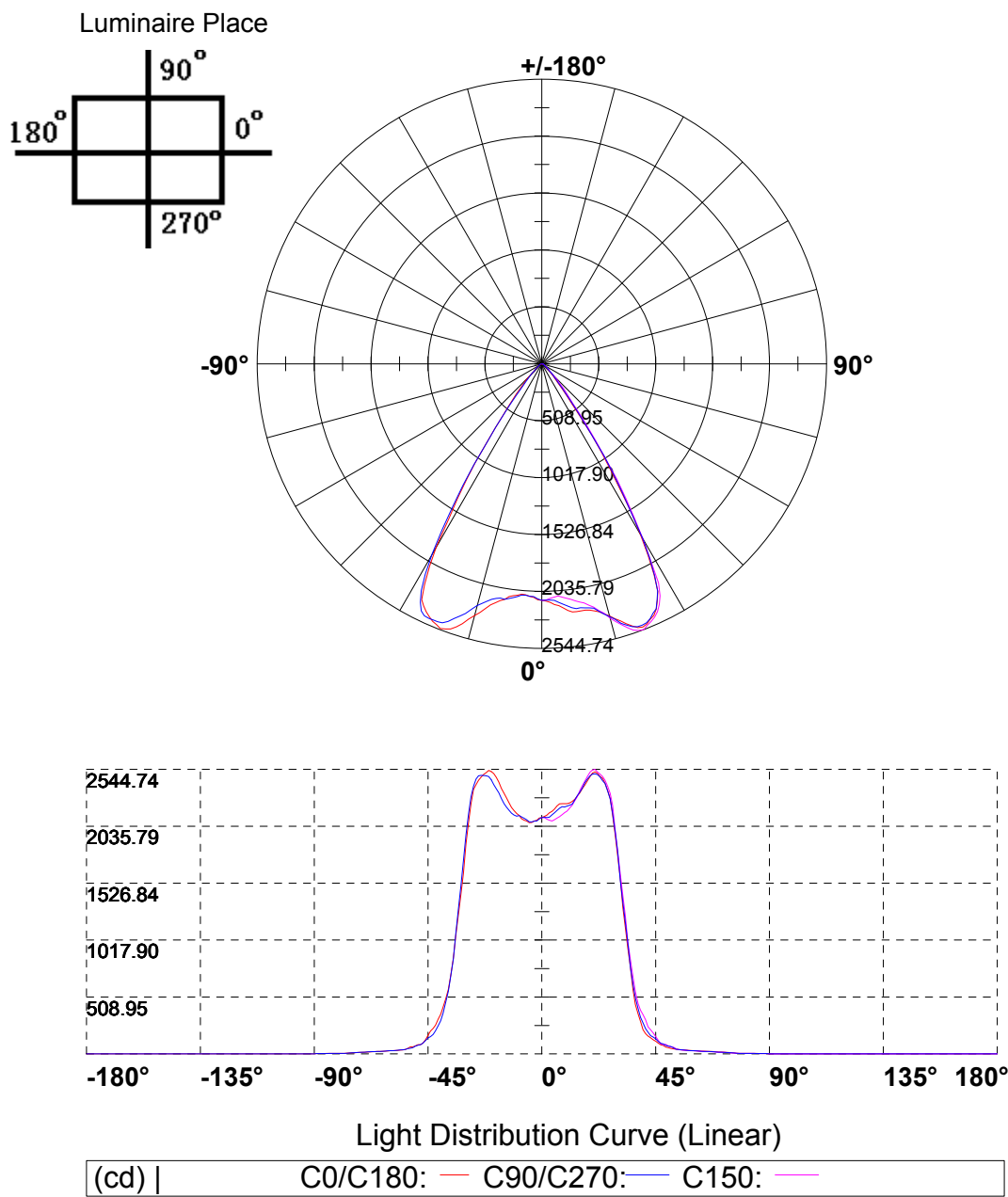
Gamma [°]	Average I [cd]	Zonal Flux [lm]	Sum Flux [lm]	Effective Flux [lm]	Effective Sum [lm]
0	2114.25	0.00	0.00	0.00	0.00
1	2108.44	2.02	2.02	2.02	2.02
2	2102.44	6.04	8.06	6.04	8.06
3	2106.66	10.07	18.13	10.07	18.13
4	2109.50	14.11	32.24	14.11	32.24
5	2121.29	18.20	50.44	18.20	50.44
6	2140.31	22.40	72.84	22.40	72.84
7	2155.44	26.66	99.50	26.66	99.50
8	2167.36	30.94	130.44	30.94	130.44
9	2176.13	35.20	165.64	35.20	165.64
10	2181.31	39.43	205.08	39.43	205.08
11	2192.99	43.71	248.78	43.71	248.78
12	2210.46	48.14	296.92	48.14	296.92
13	2239.00	52.80	349.72	52.80	349.72
14	2269.63	57.71	407.43	57.71	407.43
15	2308.68	62.85	470.29	62.85	470.29
16	2349.71	68.26	538.55	68.26	538.55
17	2394.19	73.88	612.42	73.88	612.42
18	2431.85	79.57	691.99	79.57	691.99
19	2464.55	85.19	777.18	85.19	777.18
20	2490.00	90.68	867.86	90.68	867.86
21	2502.46	95.87	963.73	95.87	963.73
22	2496.28	100.45	1064.18	100.45	1064.18
23	2480.88	104.43	1168.61	104.43	1168.61
24	2463.06	108.09	1276.71	108.09	1276.71
25	2435.05	111.37	1388.08	111.37	1388.08
26	2389.65	113.89	1501.96	113.89	1501.96
27	2324.90	115.34	1617.31	115.34	1617.31
28	2205.27	114.69	1732.00	114.69	1732.00
29	2033.29	110.89	1842.89	110.89	1842.89
30	1838.59	104.54	1947.43	104.54	1947.43
31	1615.98	96.14	2043.57	96.14	2043.57
32	1405.48	86.56	2130.13	86.56	2130.13
33	1209.40	77.04	2207.17	77.04	2207.17
34	1008.45	67.12	2274.28	67.12	2274.28
35	820.88	56.81	2331.10	56.81	2331.10
36	662.59	47.23	2378.33	47.23	2378.33
37	525.43	38.75	2417.08	38.75	2417.08
38	424.90	31.72	2448.80	31.72	2448.80
39	349.76	26.44	2475.24	26.44	2475.24
40	291.26	22.36	2497.59	22.36	2497.59

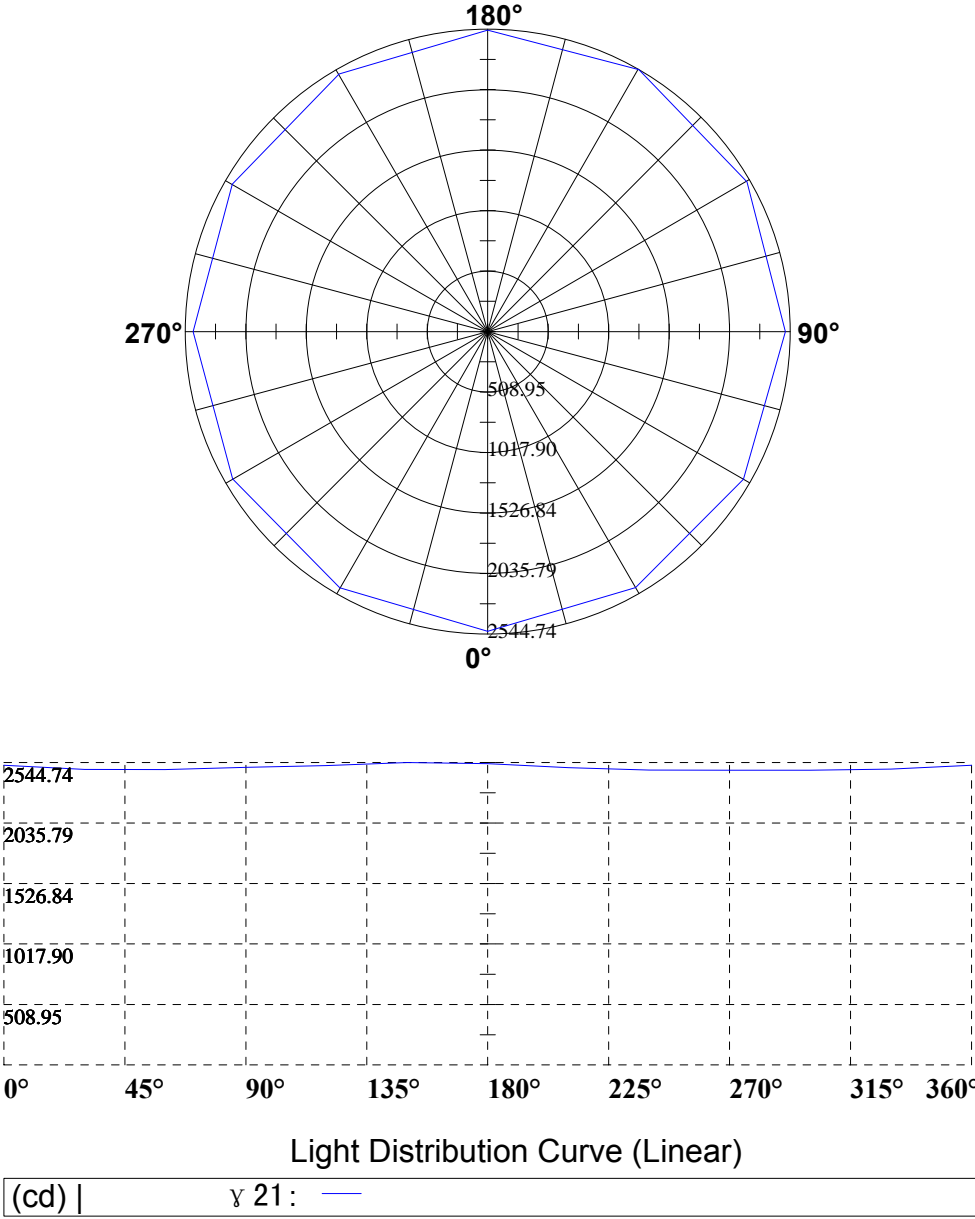
Gamma [°]	Average I [cd]	Zonal Flux [lm]	Sum Flux [lm]	Effective Flux [lm]	Effective Sum [lm]
41	244.01	19.06	2516.66	12.25	2509.84
42	202.69	16.23	2532.89	4.87	2514.72
43	177.42	14.08	2546.97	0.00	2514.72
44	157.50	12.64	2559.61	0.00	2514.72
45	138.19	11.36	2570.97	0.00	2514.72
46	113.45	9.84	2580.81	0.00	2514.72
47	90.94	8.13	2588.94	0.00	2514.72
48	83.13	7.04	2595.98	0.00	2514.72
49	76.07	6.54	2602.51	0.00	2514.72
50	65.56	5.91	2608.42	0.00	2514.72
51	59.07	5.27	2613.69	0.00	2514.72
52	53.18	4.82	2618.51	0.00	2514.72
53	45.08	4.27	2622.78	0.00	2514.72
54	39.76	3.74	2626.52	0.00	2514.72
55	37.17	3.43	2629.96	0.00	2514.72
56	35.07	3.26	2633.22	0.00	2514.72
57	33.01	3.11	2636.33	0.00	2514.72
58	31.27	2.97	2639.31	0.00	2514.72
59	30.03	2.87	2642.17	0.00	2514.72
60	28.65	2.77	2644.94	0.00	2514.72
61	27.16	2.66	2647.61	0.00	2514.72
62	25.81	2.55	2650.16	0.00	2514.72
63	24.49	2.45	2652.61	0.00	2514.72
64	23.57	2.36	2654.96	0.00	2514.72
65	22.51	2.28	2657.24	0.00	2514.72
66	21.76	2.21	2659.45	0.00	2514.72
67	20.80	2.14	2661.59	0.00	2514.72
68	19.63	2.05	2663.64	0.00	2514.72
69	18.21	1.93	2665.57	0.00	2514.72
70	16.76	1.80	2667.37	0.00	2514.72
71	15.65	1.68	2669.04	0.00	2514.72
72	14.55	1.57	2670.61	0.00	2514.72
73	13.35	1.46	2672.07	0.00	2514.72
74	12.03	1.33	2673.41	0.00	2514.72
75	10.40	1.19	2674.59	0.00	2514.72
76	8.24	0.99	2675.58	0.00	2514.72
77	6.43	0.78	2676.36	0.00	2514.72
78	5.54	0.64	2677.00	0.00	2514.72
79	5.50	0.59	2677.60	0.00	2514.72
80	5.11	0.57	2678.17	0.00	2514.72
81	5.11	0.55	2678.72	0.00	2514.72

Gamma [°]	Average I [cd]	Zonal Flux [lm]	Sum Flux [lm]	Effective Flux [lm]	Effective Sum [lm]
82	4.86	0.54	2679.26	0.00	2514.72
83	4.69	0.52	2679.78	0.00	2514.72
84	4.65	0.51	2680.29	0.00	2514.72
85	4.40	0.49	2680.79	0.00	2514.72
86	4.26	0.47	2681.26	0.00	2514.72
87	4.26	0.47	2681.73	0.00	2514.72
88	4.26	0.47	2682.19	0.00	2514.72
89	4.19	0.46	2682.65	0.00	2514.72
90	0.00	0.23	2682.88	0.00	2514.72
91	0.00	0.00	2682.88	0.00	2514.72
92	0.00	0.00	2682.88	0.00	2514.72
93	0.00	0.00	2682.88	0.00	2514.72
94	0.00	0.00	2682.88	0.00	2514.72
95	0.00	0.00	2682.88	0.00	2514.72
96	0.00	0.00	2682.88	0.00	2514.72
97	0.00	0.00	2682.88	0.00	2514.72
98	0.00	0.00	2682.88	0.00	2514.72
99	0.00	0.00	2682.88	0.00	2514.72
100	0.00	0.00	2682.88	0.00	2514.72
101	0.00	0.00	2682.88	0.00	2514.72
102	0.00	0.00	2682.88	0.00	2514.72
103	0.00	0.00	2682.88	0.00	2514.72
104	0.00	0.00	2682.88	0.00	2514.72
105	0.00	0.00	2682.88	0.00	2514.72
106	0.00	0.00	2682.88	0.00	2514.72
107	0.00	0.00	2682.88	0.00	2514.72
108	0.00	0.00	2682.88	0.00	2514.72
109	0.00	0.00	2682.88	0.00	2514.72
110	0.00	0.00	2682.88	0.00	2514.72
111	0.00	0.00	2682.88	0.00	2514.72
112	0.00	0.00	2682.88	0.00	2514.72
113	0.00	0.00	2682.88	0.00	2514.72
114	0.00	0.00	2682.88	0.00	2514.72
115	0.00	0.00	2682.88	0.00	2514.72
116	0.00	0.00	2682.88	0.00	2514.72
117	0.00	0.00	2682.88	0.00	2514.72
118	0.00	0.00	2682.88	0.00	2514.72
119	0.00	0.00	2682.88	0.00	2514.72
120	0.00	0.00	2682.88	0.00	2514.72
121	0.00	0.00	2682.88	0.00	2514.72
122	0.00	0.00	2682.88	0.00	2514.72

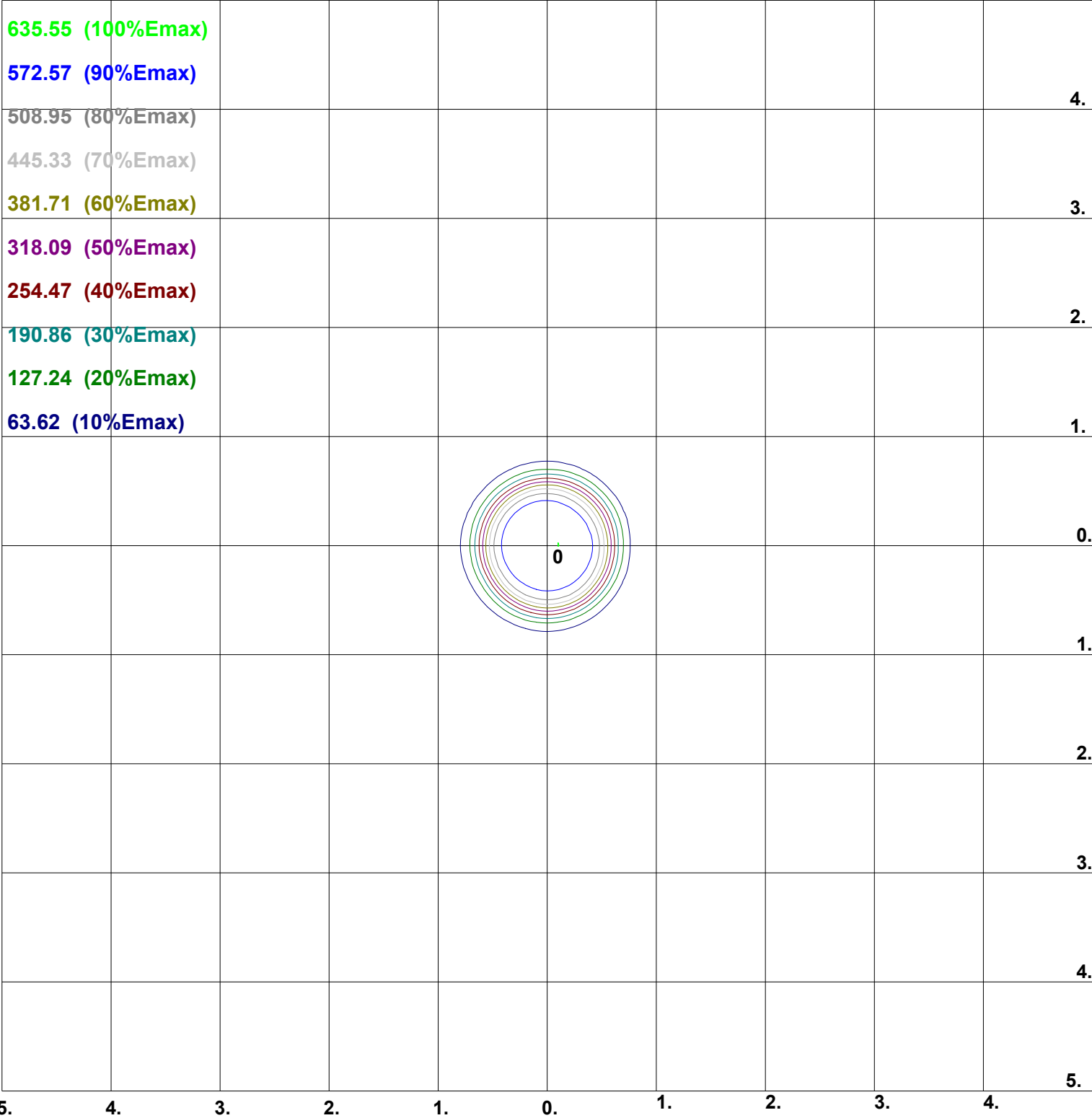
Gamma [°]	Average I [cd]	Zonal Flux [lm]	Sum Flux [lm]	Effective Flux [lm]	Effective Sum [lm]
123	0.00	0.00	2682.88	0.00	2514.72
124	0.00	0.00	2682.88	0.00	2514.72
125	0.00	0.00	2682.88	0.00	2514.72
126	0.00	0.00	2682.88	0.00	2514.72
127	0.00	0.00	2682.88	0.00	2514.72
128	0.00	0.00	2682.88	0.00	2514.72
129	0.00	0.00	2682.88	0.00	2514.72
130	0.00	0.00	2682.88	0.00	2514.72
131	0.00	0.00	2682.88	0.00	2514.72
132	0.00	0.00	2682.88	0.00	2514.72
133	0.00	0.00	2682.88	0.00	2514.72
134	0.00	0.00	2682.88	0.00	2514.72
135	0.00	0.00	2682.88	0.00	2514.72
136	0.00	0.00	2682.88	0.00	2514.72
137	0.00	0.00	2682.88	0.00	2514.72
138	0.00	0.00	2682.88	0.00	2514.72
139	0.00	0.00	2682.88	0.00	2514.72
140	0.00	0.00	2682.88	0.00	2514.72
141	0.00	0.00	2682.88	0.00	2514.72
142	0.00	0.00	2682.88	0.00	2514.72
143	0.00	0.00	2682.88	0.00	2514.72
144	0.00	0.00	2682.88	0.00	2514.72
145	0.00	0.00	2682.88	0.00	2514.72
146	0.00	0.00	2682.88	0.00	2514.72
147	0.00	0.00	2682.88	0.00	2514.72
148	0.00	0.00	2682.88	0.00	2514.72
149	0.00	0.00	2682.88	0.00	2514.72
150	0.00	0.00	2682.88	0.00	2514.72
151	0.00	0.00	2682.88	0.00	2514.72
152	0.00	0.00	2682.88	0.00	2514.72
153	0.00	0.00	2682.88	0.00	2514.72
154	0.00	0.00	2682.88	0.00	2514.72
155	0.00	0.00	2682.88	0.00	2514.72
156	0.00	0.00	2682.88	0.00	2514.72
157	0.00	0.00	2682.88	0.00	2514.72
158	0.00	0.00	2682.88	0.00	2514.72
159	0.00	0.00	2682.88	0.00	2514.72
160	0.00	0.00	2682.88	0.00	2514.72
161	0.00	0.00	2682.88	0.00	2514.72
162	0.00	0.00	2682.88	0.00	2514.72
163	0.00	0.00	2682.88	0.00	2514.72

Equipment:Sensing GMS-2000 Date:2020-07-17 Operator:JIEDONG PENG
Temperature:25 Humidity:60% Distance:1m





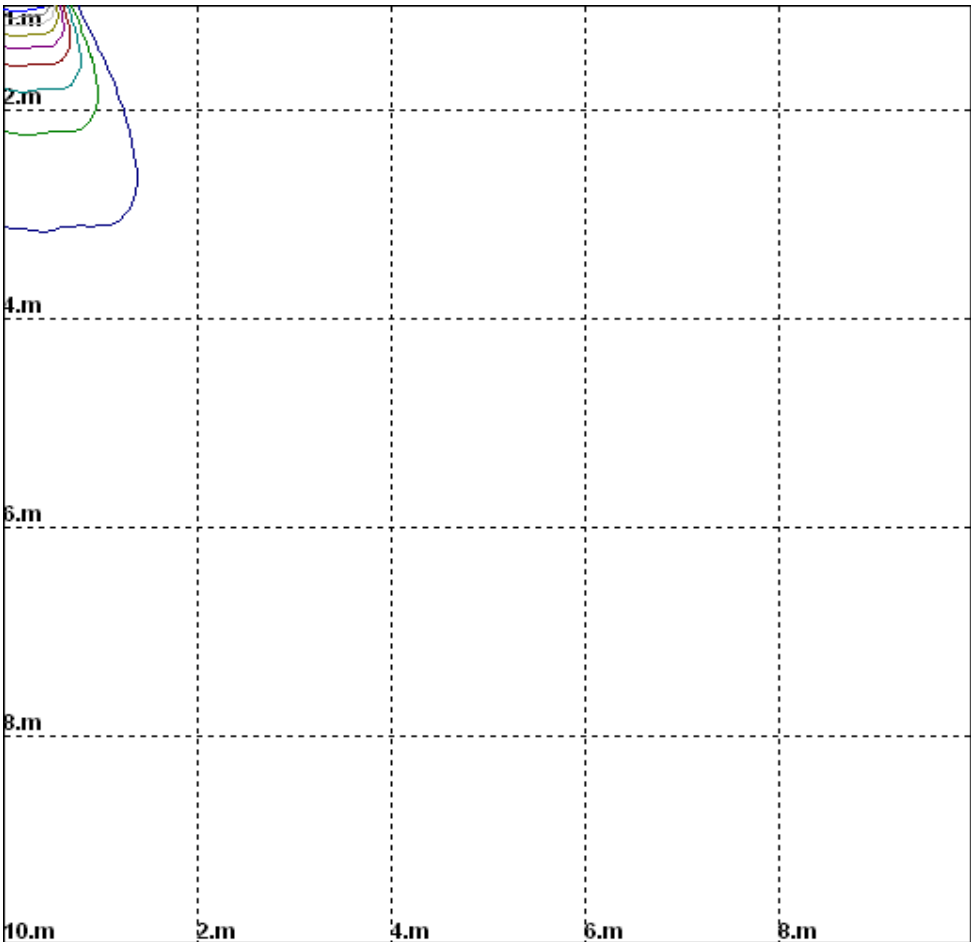
Unit: [lx]



Coordinate Scale: d/h
Height: 2 m
Max Illuminance : 636.18lx

Unit: [lx]
Illuminance

- 635.55
- 572.57
- 508.95
- 445.33
- 381.71
- 318.09
- 254.47
- 190.86
- 127.24
- 63.62



Luminance Limiting Curve (There is not luminous side)

Diameter: 114mm

Length: -114mm

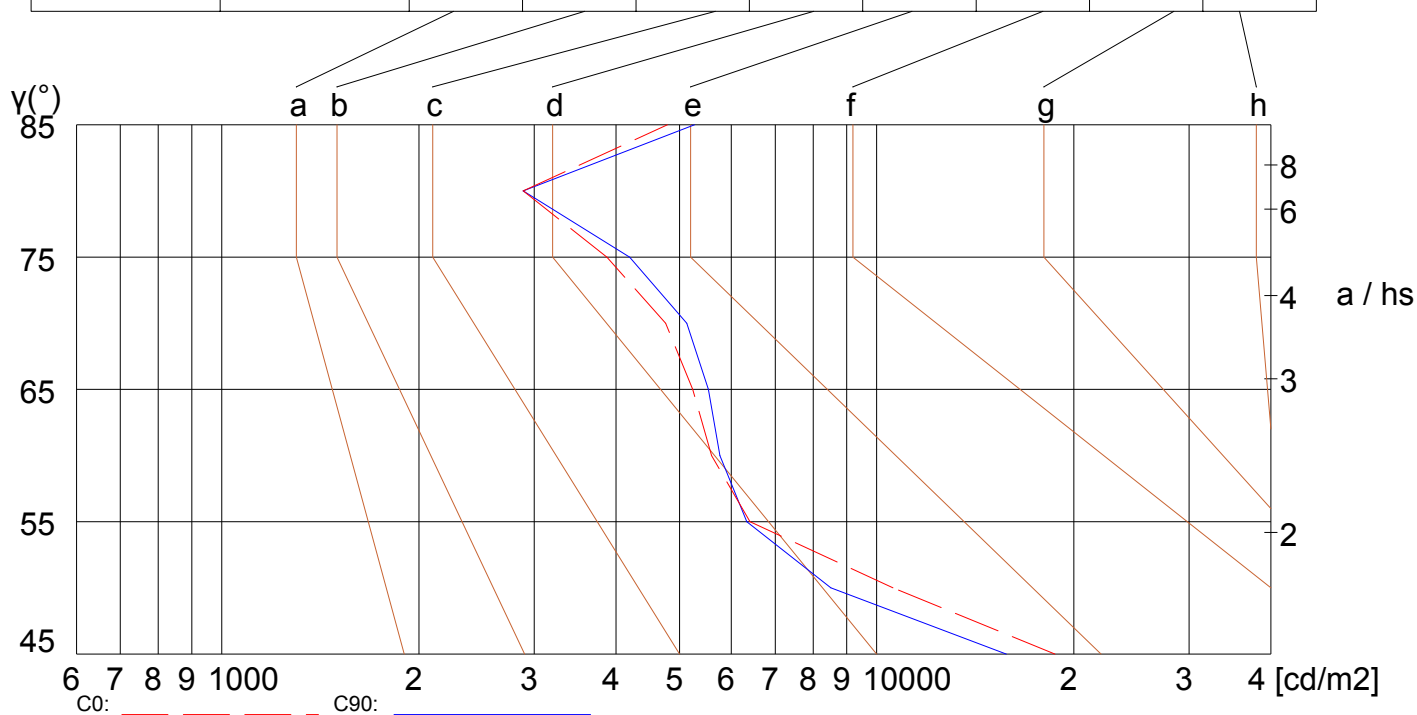
Width: -114mm

Height: 0mm

(cd/m²)

γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	18722	10590	6407	5596	5237	4762	3872	2886	4792
C90	15769	8511	6334	5763	5534	5128	4195	2886	5271

Glare	Quality	Service Values Illuminance (lx)							
1.15	A	2000	1000	500	≤300				
1.5	B		2000	1000	500	≤300			
1.85	C			2000	1000	500	≤300		
2.2	D				2000	1000	500	≤300	
2.55	E					2000	1000	500	≤300



Luminance Limiting Curve (C0/C90)

RHOCC	80			70			50			30			10			0
RHOW	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR	COEFFCIENTS OF UTILIZATION FOR RHOFC=20															
0	1.03	1.03	1.03	1.01	1.01	1.01	0.96	0.96	0.96	0.92	0.92	0.92	0.88	0.88	0.88	0.87
1	0.98	0.98	0.97	0.97	0.96	0.95	0.93	0.92	0.91	0.88	0.87	0.86	0.82	0.81	0.80	0.76
2	0.92	0.90	0.90	0.90	0.89	0.88	0.87	0.85	0.84	0.83	0.81	0.79	0.78	0.76	0.74	0.70
3	0.85	0.84	0.83	0.84	0.82	0.81	0.81	0.79	0.77	0.78	0.75	0.73	0.74	0.71	0.69	0.65
4	0.79	0.78	0.77	0.78	0.76	0.75	0.76	0.73	0.72	0.73	0.70	0.68	0.70	0.66	0.64	0.60
5	0.74	0.72	0.71	0.73	0.71	0.70	0.71	0.68	0.66	0.69	0.65	0.63	0.66	0.62	0.59	0.56
6	0.69	0.67	0.66	0.68	0.66	0.65	0.67	0.64	0.62	0.65	0.61	0.59	0.62	0.58	0.55	0.52
7	0.64	0.63	0.62	0.64	0.62	0.60	0.62	0.60	0.58	0.61	0.57	0.55	0.59	0.55	0.52	0.48
8	0.60	0.59	0.58	0.60	0.58	0.56	0.59	0.56	0.54	0.57	0.54	0.51	0.56	0.51	0.48	0.45
9	0.56	0.55	0.54	0.56	0.54	0.53	0.55	0.52	0.50	0.54	0.50	0.48	0.53	0.48	0.45	0.42
10	0.53	0.51	0.51	0.53	0.51	0.49	0.52	0.49	0.47	0.51	0.47	0.45	0.50	0.45	0.42	0.40

