

Luminaire Property

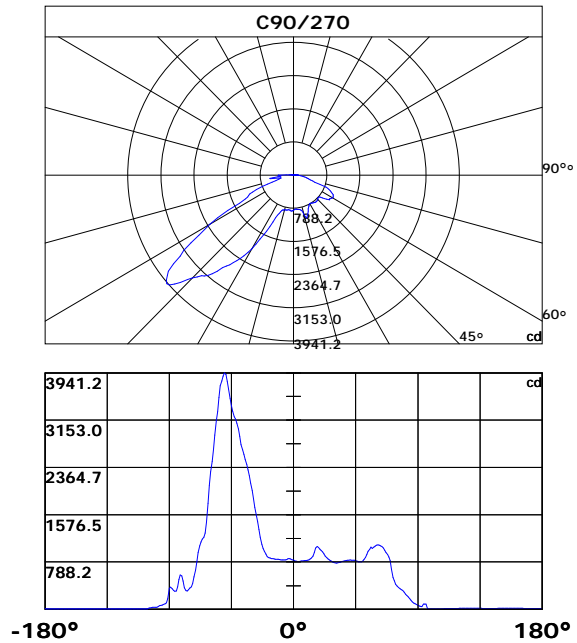
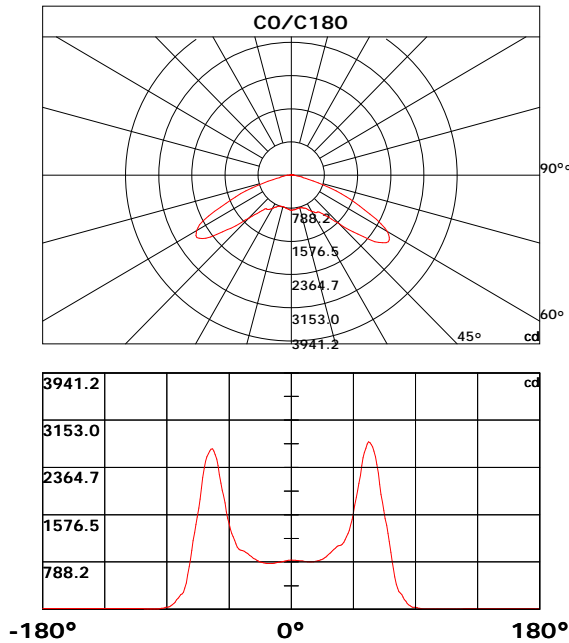
Luminaire Description: LED GEVEL schijnwerper 50W
 Luminaire Categorie: LED WALL LIGHT
 Lamp Categorie:
 Lamp Description: LED GEVEL schijnwerper 50W
 Number of Lamp: 1
 Lamp Lumens(lm): 7490.22
 Luminous Length(m): 0.28
 Luminous Width(m): 0.121
 Luminous Height(m): 0.134

Voltage: 220 V
 Current: 0.226 A
 Power: 49.8 W
 Power Factor: 0.978
 Test Lab: HuiPu-lab
 Photometric Type: Type C
 Manufactory:

Photometric Results

CIE Class: Direct
 Luminaire Lumens: 7490.22 lm
 Efficiency: 150.406 lm/W
 Central Intensity: 823.724cd
 Max. Intensity: 3941.227cd
 Field Angle(10%Imax): NA

Max.Intensity Angle: C:270.0 G:50.0
 Beam Angle(50%Imax): L: -11.3 R:61.3
 Luminaire Efficacy Rating(LER) : 100.00%
 Upward Ratio: NA
 Downward Ratio: NA
 Beamwidth(50%Imax): C0/180=142.67 C90/270=107.87



Light intensity data Unit[cd]

C\G	G0.0	G1.0	G2.0	G3.0	G4.0	G5.0	G6.0	G7.0	G8.0	G9.0
C0.0	823.7	820.9	821.0	816.7	814.2	812.2	809.9	805.7	806.9	801.0
C30.0	823.7	822.9	822.6	815.7	802.6	795.8	787.9	785.0	778.6	775.0
C60.0	823.7	828.7	809.0	803.1	799.1	793.6	798.0	793.2	799.0	800.7
C90.0	823.7	808.5	799.7	795.5	796.3	800.3	803.9	807.9	811.2	813.1
C120.0	823.7	816.2	804.6	799.9	797.2	803.6	801.1	804.2	806.5	807.6
C150.0	823.7	810.7	808.9	797.2	791.8	787.9	784.5	785.1	780.7	779.6
C180.0	823.7	818.4	815.8	812.2	805.9	802.3	796.7	791.1	787.2	784.5
C210.0	823.7	827.5	834.2	841.9	837.1	835.9	833.2	822.8	811.9	804.1
C240.0	823.7	829.0	847.5	848.3	843.1	827.2	823.2	818.0	816.2	814.0
C270.0	823.7	824.0	836.9	842.6	844.0	829.8	824.9	822.3	822.1	824.2
C300.0	823.7	827.0	829.9	844.5	846.5	840.4	826.4	820.6	817.9	813.8
C330.0	823.7	825.8	829.6	823.5	825.3	830.5	834.7	836.6	837.1	823.2
C360.0	823.7	820.9	821.0	816.7	814.2	812.2	809.9	805.7	806.9	801.0
C\G	G10.0	G11.0	G12.0	G13.0	G14.0	G15.0	G16.0	G17.0	G18.0	G19.0
C0.0	798.7	796.0	793.6	793.3	793.6	792.1	793.7	796.1	802.9	808.8
C30.0	772.3	773.7	771.8	771.2	771.5	771.6	772.0	774.3	778.0	783.3
C60.0	800.3	796.8	800.2	804.8	811.3	820.2	845.4	871.6	920.6	970.4
C90.0	817.1	825.6	838.7	855.0	886.5	945.2	1017.7	1049.1	1030.5	1003.1
C120.0	804.1	808.4	815.4	822.4	833.1	853.1	894.9	960.1	1006.2	1010.2
C150.0	779.2	779.2	774.7	775.4	771.2	771.7	770.5	774.9	781.5	788.6
C180.0	778.1	774.4	770.4	767.0	765.3	763.1	764.1	765.3	767.1	771.2
C210.0	797.2	791.5	785.7	780.4	777.2	775.0	773.8	772.3	774.2	775.6
C240.0	812.4	813.1	817.0	816.3	815.7	815.4	814.2	814.4	818.2	815.5
C270.0	828.1	830.7	834.0	836.4	839.5	842.9	847.8	854.2	862.5	878.6
C300.0	815.7	815.0	820.5	819.9	817.4	816.6	817.6	817.9	821.6	823.9
C330.0	811.1	806.9	797.5	798.3	789.0	786.0	788.6	785.7	787.9	794.9
C360.0	798.7	796.0	793.6	793.3	793.6	792.1	793.7	796.1	802.9	808.8
C\G	G20.0	G21.0	G22.0	G23.0	G24.0	G25.0	G26.0	G27.0	G28.0	G29.0
C0.0	814.6	823.2	830.1	839.6	854.0	872.2	892.2	915.0	936.5	957.9
C30.0	792.5	798.0	809.2	824.0	848.7	881.7	922.7	963.2	1002.9	1017.0
C60.0	1004.9	992.8	966.1	938.7	923.7	911.4	885.4	848.3	824.1	809.5
C90.0	983.9	958.6	923.5	887.1	859.1	838.5	821.4	804.5	788.3	780.5
C120.0	984.3	960.1	944.4	923.5	892.7	859.7	830.9	809.4	789.1	772.8
C150.0	798.8	820.7	851.3	891.4	925.8	948.0	943.2	928.2	924.5	932.4
C180.0	774.7	779.4	785.2	793.5	806.5	819.0	834.0	846.1	860.5	879.2
C210.0	778.8	781.6	785.2	792.2	799.3	806.1	810.7	818.8	824.8	828.2
C240.0	817.7	824.4	828.9	856.3	885.5	919.1	954.5	1003.5	1096.7	1192.6
C270.0	919.1	966.6	1015.2	1085.0	1200.1	1330.8	1455.7	1564.4	1699.3	1841.0
C300.0	824.3	829.1	840.0	865.9	897.7	930.7	972.1	1038.3	1131.5	1231.0
C330.0	801.4	804.2	813.6	825.3	829.7	832.3	838.8	848.9	857.9	863.1
C360.0	814.6	823.2	830.1	839.6	854.0	872.2	892.2	915.0	936.5	957.9

Light intensity data Unit[cd]

C\G	G30.0	G31.0	G32.0	G33.0	G34.0	G35.0	G36.0	G37.0	G38.0	G39.0
C0.0	978.5	999.9	1020.1	1041.8	1057.6	1065.4	1070.0	1084.7	1115.4	1160.8
C30.0	1019.7	1020.3	1025.0	1037.2	1055.8	1072.7	1075.9	1065.0	1045.5	1016.5
C60.0	790.7	778.3	772.2	766.5	756.3	750.6	752.8	758.5	759.0	771.5
C90.0	773.7	772.0	775.5	779.9	786.2	796.6	801.7	806.1	811.5	817.4
C120.0	758.5	747.2	739.9	730.2	727.0	724.0	724.7	726.4	731.8	736.3
C150.0	938.4	937.8	933.1	935.1	942.8	951.3	950.1	949.6	925.7	898.7
C180.0	900.2	918.8	936.7	953.5	970.0	980.9	985.0	987.5	1003.1	1036.3
C210.0	834.7	840.3	845.6	855.3	857.4	862.7	864.0	863.7	862.0	863.8
C240.0	1273.8	1353.0	1445.6	1540.4	1648.1	1768.9	1896.2	2004.7	2112.5	2233.6
C270.0	1983.1	2103.2	2226.7	2319.8	2411.9	2497.9	2584.3	2658.2	2745.5	2883.7
C300.0	1318.2	1419.0	1516.1	1622.9	1750.6	1884.8	1994.7	2109.6	2218.1	2340.8
C330.0	877.2	883.1	885.6	890.6	893.4	902.8	917.7	922.4	924.2	928.4
C360.0	978.5	999.9	1020.1	1041.8	1057.6	1065.4	1070.0	1084.7	1115.4	1160.8
C\G	G40.0	G41.0	G42.0	G43.0	G44.0	G45.0	G46.0	G47.0	G48.0	G49.0
C0.0	1208.1	1259.4	1311.7	1400.9	1497.0	1604.2	1732.9	1866.2	1976.0	2097.0
C30.0	995.1	979.6	970.5	970.0	985.8	1016.1	1045.1	1075.9	1098.9	1125.5
C60.0	781.0	788.8	804.1	810.2	819.2	819.0	822.3	818.2	816.2	801.2
C90.0	820.2	821.8	820.7	820.5	816.8	810.9	802.6	793.6	791.1	791.4
C120.0	741.4	750.4	754.2	763.3	776.3	785.0	791.2	789.7	784.3	770.5
C150.0	868.1	837.5	821.5	803.1	798.1	795.2	790.3	799.6	803.5	814.4
C180.0	1088.3	1147.1	1210.9	1262.8	1328.4	1422.6	1517.0	1623.2	1772.9	1897.8
C210.0	873.9	891.9	915.3	951.4	989.4	1025.6	1063.6	1120.0	1193.2	1294.0
C240.0	2333.1	2422.2	2500.5	2594.4	2663.7	2760.0	2853.2	2979.8	3073.8	3162.0
C270.0	3005.5	3099.8	3170.4	3209.1	3302.3	3397.7	3511.1	3670.8	3801.0	3910.3
C300.0	2443.6	2537.9	2635.2	2707.7	2808.9	2919.5	3057.6	3161.7	3250.1	3348.0
C330.0	935.5	947.6	977.4	1015.2	1052.4	1099.6	1148.3	1203.9	1276.0	1365.6
C360.0	1208.1	1259.4	1311.7	1400.9	1497.0	1604.2	1732.9	1866.2	1976.0	2097.0
C\G	G50.0	G51.0	G52.0	G53.0	G54.0	G55.0	G56.0	G57.0	G58.0	G59.0
C0.0	2233.8	2393.2	2526.4	2609.9	2685.2	2756.6	2789.7	2776.2	2746.1	2704.5
C30.0	1179.6	1255.2	1364.6	1492.3	1603.9	1716.1	1866.0	2067.7	2290.6	2463.3
C60.0	788.6	779.2	773.4	765.0	761.2	761.6	751.1	744.6	732.3	713.2
C90.0	800.8	828.3	866.7	911.9	964.1	1001.2	1036.4	1016.0	1037.1	1054.0
C120.0	752.9	735.5	719.3	709.4	704.4	699.4	693.0	679.4	663.3	636.0
C150.0	844.1	884.1	935.9	972.9	1005.6	1035.6	1101.8	1213.9	1369.3	1502.4
C180.0	1984.2	2104.7	2244.2	2398.3	2504.1	2578.3	2639.2	2672.9	2668.7	2636.1
C210.0	1401.7	1499.8	1578.9	1667.7	1772.2	1920.9	2068.5	2142.9	2186.2	2284.0
C240.0	3244.1	3236.1	3248.7	3294.1	3306.1	3344.9	3362.1	3292.6	3159.9	2973.6
C270.0	3941.2	3886.7	3804.7	3724.0	3529.1	3292.3	3146.8	2905.1	2664.2	2467.1
C300.0	3367.3	3363.8	3413.7	3436.8	3486.9	3505.2	3399.3	3274.2	3114.4	2881.8
C330.0	1477.5	1587.9	1681.1	1779.7	1866.7	1972.0	2089.6	2134.6	2181.9	2268.8
C360.0	2233.8	2393.2	2526.4	2609.9	2685.2	2756.6	2789.7	2776.2	2746.1	2704.5

Light intensity data Unit[cd]

C\G	G60.0	G61.0	G62.0	G63.0	G64.0	G65.0	G66.0	G67.0	G68.0	G69.0
C0.0	2639.5	2542.0	2418.0	2269.2	2080.3	1919.0	1775.4	1642.7	1514.0	1398.3
C30.0	2603.6	2710.9	2794.7	2816.9	2788.2	2728.4	2624.2	2490.6	2335.2	2157.7
C60.0	691.6	649.9	617.2	599.7	579.8	556.7	526.4	514.8	512.3	525.0
C90.0	1069.2	1073.8	1068.6	1060.5	1044.6	1019.8	983.1	947.2	910.5	869.2
C120.0	594.5	591.6	598.7	613.2	624.3	630.3	638.2	650.8	658.1	664.0
C150.0	1606.3	1749.3	1954.5	2142.3	2235.8	2286.3	2321.2	2343.3	2339.1	2315.3
C180.0	2596.0	2542.8	2467.2	2352.2	2191.1	2010.7	1839.2	1685.4	1538.9	1415.6
C210.0	2401.0	2475.4	2491.0	2491.7	2485.2	2451.0	2409.6	2380.5	2345.8	2287.2
C240.0	2670.4	2388.7	2149.1	1879.4	1691.1	1496.8	1195.7	972.9	871.5	830.7
C270.0	2290.6	2064.9	1768.0	1448.6	1273.5	1202.6	1170.3	1122.2	1054.8	946.2
C300.0	2637.0	2404.2	2095.4	1900.7	1734.0	1475.7	1225.6	1048.6	971.8	931.0
C330.0	2391.6	2467.4	2508.3	2554.8	2594.9	2588.5	2577.9	2574.3	2546.6	2501.7
C360.0	2639.5	2542.0	2418.0	2269.2	2080.3	1919.0	1775.4	1642.7	1514.0	1398.3
C\G	G70.0	G71.0	G72.0	G73.0	G74.0	G75.0	G76.0	G77.0	G78.0	G79.0
C0.0	1266.9	1127.0	952.5	803.1	671.1	539.7	419.9	350.7	292.7	266.2
C30.0	1955.6	1780.6	1626.8	1494.3	1355.8	1210.8	1066.0	934.5	778.3	690.3
C60.0	547.3	582.2	614.8	621.8	560.2	501.0	460.0	440.4	427.5	409.8
C90.0	811.9	668.2	531.0	474.7	420.5	387.2	367.6	344.9	328.9	315.9
C120.0	669.2	685.7	688.8	630.9	554.9	495.6	472.1	456.9	441.7	410.4
C150.0	2283.1	2271.7	2254.2	2205.3	2096.4	1913.9	1738.2	1561.6	1345.3	1079.1
C180.0	1281.4	1143.1	983.0	835.7	713.7	572.8	440.1	353.3	287.6	259.7
C210.0	2169.6	2004.9	1812.4	1608.7	1416.3	1302.3	1209.9	1124.4	938.5	859.6
C240.0	817.2	781.1	692.5	559.9	436.7	330.2	277.2	265.7	258.6	244.2
C270.0	788.9	651.3	540.6	436.2	376.7	353.7	329.8	304.8	313.0	359.6
C300.0	901.8	851.6	732.1	580.9	453.4	354.8	314.0	306.4	293.0	272.5
C330.0	2446.8	2377.2	2280.7	2237.0	2281.1	2199.7	1966.5	1736.8	1469.5	1199.2
C360.0	1266.9	1127.0	952.5	803.1	671.1	539.7	419.9	350.7	292.7	266.2
C\G	G80.0	G81.0	G82.0	G83.0	G84.0	G85.0	G86.0	G87.0	G88.0	G89.0
C0.0	243.8	205.2	162.4	133.6	100.1	78.0	61.3	45.7	34.8	32.9
C30.0	641.2	610.9	573.2	522.9	473.4	422.3	309.5	218.5	164.6	124.7
C60.0	387.3	358.5	329.0	292.3	274.7	286.1	299.3	302.8	298.9	296.1
C90.0	281.2	252.6	229.6	202.9	176.1	149.2	124.2	105.5	91.1	79.2
C120.0	379.0	346.1	307.3	284.7	247.8	217.7	192.5	169.1	148.2	123.4
C150.0	901.5	749.0	590.6	449.6	361.1	277.3	196.0	134.9	96.8	83.3
C180.0	238.9	210.0	183.6	155.5	119.1	95.9	78.0	56.9	42.4	38.4
C210.0	776.7	632.8	441.5	288.9	204.1	159.0	121.3	102.1	94.1	85.5
C240.0	229.0	216.4	200.2	186.0	182.7	200.8	211.4	282.6	304.0	325.4
C270.0	471.3	558.6	574.1	495.3	376.0	306.9	296.9	318.3	343.6	368.8
C300.0	250.2	227.2	213.4	220.8	281.5	315.4	359.1	392.9	375.2	309.0
C330.0	910.7	662.3	471.2	341.3	279.1	234.8	199.0	154.8	124.8	112.7
C360.0	243.8	205.2	162.4	133.6	100.1	78.0	61.3	45.7	34.8	32.9

Light intensity data Unit[cd]

C\G	G90.0	G91.0	G92.0	G93.0	G94.0	G95.0	G96.0	G97.0	G98.0	G99.0
C0.0	30.4	26.0	21.0	16.3	11.6	6.8	6.0	5.1	5.6	5.8
C30.0	93.8	68.5	35.1	20.5	11.6	7.7	6.6	6.3	6.5	6.8
C60.0	247.9	172.8	114.7	62.1	30.9	18.8	8.2	6.8	7.1	7.3
C90.0	65.8	56.1	50.2	47.4	87.8	88.3	88.7	8.4	7.0	5.7
C120.0	82.2	63.0	48.4	34.8	25.1	18.0	9.5	8.3	7.1	7.4
C150.0	72.7	57.9	34.5	13.9	9.1	7.0	6.1	6.4	6.5	6.7
C180.0	36.2	30.9	25.3	20.7	15.6	10.6	8.9	7.1	7.3	7.7
C210.0	84.8	69.8	50.3	39.6	24.6	17.4	12.3	6.1	6.0	6.1
C240.0	291.5	246.1	249.4	293.4	257.8	222.1	95.4	61.2	54.5	44.0
C270.0	349.7	177.5	109.0	93.3	82.1	73.1	67.7	57.6	45.6	35.6
C300.0	268.7	266.8	286.8	306.8	290.5	132.2	74.8	62.5	59.1	50.5
C330.0	91.7	76.2	64.3	47.7	35.5	27.4	22.7	17.1	6.1	5.9
C360.0	30.4	26.0	21.0	16.3	11.6	6.8	6.0	5.1	5.6	5.8
C\G	G100.0	G101.0	G102.0	G103.0	G104.0	G105.0	G106.0	G107.0	G108.0	G109.0
C0.0	6.4	6.6	6.8	7.2	7.5	7.7	7.9	8.2	8.3	8.4
C30.0	6.9	7.2	7.4	7.5	7.7	7.9	8.2	8.3	8.4	8.6
C60.0	7.6	7.9	8.3	8.6	9.0	9.2	9.6	9.8	10.3	10.6
C90.0	6.1	6.4	6.8	7.3	7.7	8.3	8.8	9.2	9.6	10.3
C120.0	7.9	8.1	8.6	9.0	9.4	9.6	10.2	10.5	10.8	11.2
C150.0	7.0	7.1	7.4	7.7	7.7	7.9	8.3	8.4	8.7	9.0
C180.0	8.0	8.4	8.7	9.0	9.2	9.5	9.7	10.0	10.2	10.5
C210.0	6.1	6.2	6.4	6.4	6.4	6.5	6.6	6.7	6.7	6.8
C240.0	38.4	28.5	15.7	9.9	7.0	5.6	5.0	4.3	4.5	4.6
C270.0	31.7	31.6	30.3	28.2	21.4	14.5	3.8	3.7	3.6	3.7
C300.0	43.7	31.9	25.8	14.3	4.1	4.1	4.3	4.4	4.6	4.6
C330.0	6.0	6.0	6.0	6.0	6.1	6.2	6.4	6.2	6.4	6.4
C360.0	6.4	6.6	6.8	7.2	7.5	7.7	7.9	8.2	8.3	8.4
C\G	G110.0	G111.0	G112.0	G113.0	G114.0	G115.0	G116.0	G117.0	G118.0	G119.0
C0.0	8.7	8.8	8.9	9.1	9.1	9.3	9.4	9.4	9.5	9.8
C30.0	8.9	9.0	9.2	9.4	9.6	10.0	10.0	10.3	10.5	10.7
C60.0	10.9	11.3	11.5	12.0	12.0	12.2	12.5	12.7	12.9	13.0
C90.0	10.7	11.4	11.7	12.3	12.6	13.1	13.4	13.8	14.0	14.3
C120.0	11.6	12.0	12.4	12.6	13.1	13.2	13.4	13.6	13.9	14.1
C150.0	9.1	9.4	9.7	9.8	10.1	10.4	10.7	10.8	11.0	11.5
C180.0	10.5	10.6	10.8	11.0	11.0	11.1	11.2	11.3	11.4	11.4
C210.0	6.8	6.9	7.0	7.1	7.3	7.3	7.4	7.6	7.6	7.7
C240.0	4.7	4.9	5.1	5.2	5.3	5.5	5.6	5.7	5.9	6.0
C270.0	3.8	4.0	3.9	4.0	3.9	4.1	4.1	4.1	4.2	4.2
C300.0	4.7	4.8	4.9	5.1	5.2	5.2	5.5	5.5	5.6	5.7
C330.0	6.4	6.5	6.6	6.7	6.8	7.0	7.1	7.3	7.3	7.4
C360.0	8.7	8.8	8.9	9.1	9.1	9.3	9.4	9.4	9.5	9.8

Light intensity data Unit[cd]

C\G	G120.0	G121.0	G122.0	G123.0	G124.0	G125.0	G126.0	G127.0	G128.0	G129.0
C0.0	9.7	9.7	9.8	9.8	9.9	10.0	10.0	10.0	10.2	10.1
C30.0	10.9	11.2	11.4	11.6	11.7	12.0	12.3	12.2	12.3	12.6
C60.0	13.2	13.3	13.4	13.5	13.5	13.5	13.6	13.6	13.6	13.6
C90.0	14.7	14.8	14.9	15.1	15.2	15.2	15.2	15.2	15.2	15.1
C120.0	14.2	14.3	14.5	14.6	14.8	14.8	14.8	14.9	14.9	14.8
C150.0	11.4	11.7	11.8	12.0	12.1	12.4	12.4	12.6	12.8	13.0
C180.0	11.4	11.5	11.7	11.6	11.6	11.8	11.7	11.7	11.6	11.9
C210.0	7.8	7.9	8.0	8.2	8.3	8.6	8.6	8.7	8.9	9.0
C240.0	6.2	6.4	6.6	6.8	6.9	7.1	7.4	7.4	7.5	7.7
C270.0	4.3	4.5	4.4	4.4	4.7	4.6	4.8	4.8	4.9	5.1
C300.0	5.8	6.0	6.2	6.1	6.3	6.4	6.5	6.7	6.8	6.9
C330.0	7.5	7.7	7.7	7.8	7.9	8.0	8.1	8.2	8.4	8.4
C360.0	9.7	9.7	9.8	9.8	9.9	10.0	10.0	10.0	10.2	10.1
C\G	G130.0	G131.0	G132.0	G133.0	G134.0	G135.0	G136.0	G137.0	G138.0	G139.0
C0.0	10.4	10.2	10.3	10.3	10.5	10.7	10.6	10.7	10.9	11.0
C30.0	12.8	13.0	13.0	13.2	13.5	13.6	13.8	14.0	14.2	14.4
C60.0	13.9	13.8	13.9	14.0	14.1	14.3	14.3	14.3	14.4	14.5
C90.0	15.1	15.1	14.8	14.7	14.7	14.5	14.4	14.3	14.1	14.1
C120.0	15.0	14.9	14.9	14.8	14.8	14.8	14.8	14.7	14.6	14.5
C150.0	13.1	13.4	13.7	13.8	13.9	14.3	14.5	14.7	14.8	15.0
C180.0	11.7	11.7	11.9	12.0	11.9	12.0	12.0	12.3	12.2	12.3
C210.0	9.1	9.4	9.5	9.7	9.9	10.0	10.2	10.3	10.5	10.7
C240.0	7.8	7.9	8.1	8.2	8.3	8.7	8.6	8.8	8.7	8.8
C270.0	5.1	5.2	5.2	5.4	5.6	5.7	5.9	5.9	6.1	6.3
C300.0	7.0	7.4	7.3	7.5	7.5	7.7	7.6	7.8	7.8	7.8
C330.0	8.7	8.6	8.7	8.8	9.0	9.0	9.1	9.2	9.3	9.5
C360.0	10.4	10.2	10.3	10.3	10.5	10.7	10.6	10.7	10.9	11.0
C\G	G140.0	G141.0	G142.0	G143.0	G144.0	G145.0	G146.0	G147.0	G148.0	G149.0
C0.0	11.2	11.5	11.5	11.8	11.8	11.9	12.0	12.2	12.2	12.2
C30.0	14.7	14.8	15.0	15.2	15.3	15.5	15.7	15.8	15.9	15.8
C60.0	14.8	14.8	14.9	15.1	15.2	15.6	15.6	15.7	15.8	16.0
C90.0	13.9	13.9	13.9	14.0	14.0	14.0	14.1	14.2	14.4	14.5
C120.0	14.5	14.6	14.4	14.4	14.4	14.4	14.6	14.6	14.7	14.8
C150.0	15.1	15.2	15.3	15.5	15.6	15.6	15.9	15.7	15.8	15.7
C180.0	12.5	12.6	12.6	12.8	12.9	13.0	13.1	13.1	13.2	13.2
C210.0	10.8	10.9	11.1	11.1	11.2	11.4	11.3	11.3	11.4	11.3
C240.0	9.0	9.0	8.9	9.1	9.0	9.1	8.9	8.8	8.9	8.9
C270.0	6.5	6.5	6.6	6.8	6.8	6.9	7.1	7.1	7.2	7.3
C300.0	8.1	7.9	8.1	8.0	8.0	8.1	8.2	8.1	8.1	8.1
C330.0	9.7	9.7	9.8	9.9	10.1	10.0	10.1	10.1	10.2	10.0
C360.0	11.2	11.5	11.5	11.8	11.8	11.9	12.0	12.2	12.2	12.2

Light intensity data Unit[cd]

C\G	G150.0	G151.0	G152.0	G153.0	G154.0	G155.0	G156.0	G157.0	G158.0	G159.0
C0.0	12.3	12.3	12.4	12.3	12.3	12.2	12.1	12.0	11.8	11.7
C30.0	16.1	16.0	15.8	15.7	15.6	15.4	15.3	15.2	14.8	14.7
C60.0	16.2	16.1	16.2	16.2	16.3	16.3	16.4	16.3	16.1	16.0
C90.0	14.8	14.9	15.3	15.5	15.5	15.6	15.6	15.6	15.7	15.7
C120.0	15.0	15.1	15.2	15.2	15.3	15.3	15.6	15.4	15.4	15.4
C150.0	15.7	15.7	15.6	15.7	15.5	15.3	15.1	14.9	14.7	14.5
C180.0	13.4	13.2	13.3	13.2	13.2	13.0	13.0	12.9	12.7	12.4
C210.0	11.2	11.3	11.1	11.0	11.1	10.9	10.9	10.6	10.6	10.5
C240.0	8.8	8.7	8.6	8.6	8.5	8.4	8.4	8.6	8.4	8.3
C270.0	7.4	7.4	7.5	7.5	7.6	7.8	7.7	7.7	7.9	7.7
C300.0	8.2	8.1	8.0	8.0	8.2	8.0	8.0	8.0	7.9	8.0
C330.0	10.1	10.1	10.1	10.0	9.9	9.9	9.8	9.7	9.7	9.7
C360.0	12.3	12.3	12.4	12.3	12.3	12.2	12.1	12.0	11.8	11.7
C\G	G160.0	G161.0	G162.0	G163.0	G164.0	G165.0	G166.0	G167.0	G168.0	G169.0
C0.0	11.6	11.5	11.2	11.0	10.9	10.9	10.8	10.4	10.5	10.2
C30.0	14.3	14.1	13.8	13.5	13.2	13.0	12.8	12.6	12.3	12.1
C60.0	15.9	16.0	15.6	15.3	15.0	14.8	14.7	14.1	13.9	13.5
C90.0	15.7	15.8	15.6	15.3	15.2	14.9	14.6	14.3	14.1	13.7
C120.0	15.3	15.2	15.1	15.0	14.7	14.6	14.4	14.1	13.9	13.5
C150.0	14.4	13.9	13.7	13.4	13.1	12.9	12.6	12.3	12.2	11.8
C180.0	12.3	12.2	11.9	11.7	11.6	11.4	11.3	11.0	10.9	10.7
C210.0	10.3	10.1	10.1	9.9	9.8	9.8	9.7	9.7	9.7	9.8
C240.0	8.3	8.3	8.2	8.1	8.3	8.2	8.2	8.3	8.4	8.4
C270.0	7.8	7.8	7.8	7.8	7.9	7.9	7.9	8.1	8.1	8.2
C300.0	7.8	7.8	7.8	7.8	7.9	7.9	8.0	8.0	8.1	8.3
C330.0	9.5	9.4	9.3	9.2	9.2	9.1	9.1	9.2	9.1	9.1
C360.0	11.6	11.5	11.2	11.0	10.9	10.9	10.8	10.4	10.5	10.2
C\G	G170.0	G171.0	G172.0	G173.0	G174.0	G175.0	G176.0	G177.0	G178.0	G179.0
C0.0	10.1	10.0	10.0	10.1	10.0	10.0	9.9	9.9	9.9	10.0
C30.0	11.7	11.6	11.4	11.2	11.0	10.9	10.7	10.5	10.5	10.3
C60.0	13.3	12.8	12.5	12.2	11.9	11.6	11.3	11.1	11.0	10.6
C90.0	13.3	12.9	12.6	12.2	11.8	11.5	11.2	10.8	10.5	10.4
C120.0	13.2	12.9	12.7	12.4	12.0	11.6	11.3	11.3	10.9	10.6
C150.0	11.6	11.6	11.3	11.0	10.8	10.7	10.5	10.4	10.3	10.0
C180.0	10.7	10.5	10.4	10.3	10.4	10.3	10.2	10.1	10.0	10.0
C210.0	9.6	9.6	9.7	9.7	9.7	9.9	9.9	10.0	10.1	10.2
C240.0	8.5	8.6	8.8	8.9	9.0	9.2	9.4	9.6	9.7	10.1
C270.0	8.3	8.4	8.5	8.8	8.9	9.1	9.4	9.5	9.7	9.9
C300.0	8.4	8.6	8.7	8.8	9.0	9.2	9.4	9.6	9.8	10.1
C330.0	9.1	9.2	9.3	9.4	9.4	9.5	9.7	9.7	9.8	9.9
C360.0	10.1	10.0	10.0	10.1	10.0	10.0	9.9	9.9	9.9	10.0

Light intensity data Unit[cd]

C\G	G180.0									
C0.0	10.1									
C30.0	10.3									
C60.0	10.4									
C90.0	10.3									
C120.0	10.4									
C150.0	10.1									
C180.0	10.0									
C210.0	10.3									
C240.0	10.1									
C270.0	10.1									
C300.0	10.2									
C330.0	10.1									
C360.0	10.1									

Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0.0	823.72	0.00	0.00	0.00	0.00
0.0-1.0	821.62	0.79	0.79	0.01	0.01
1.0-2.0	821.64	2.36	3.15	0.03	0.04
2.0-3.0	820.11	3.93	7.07	0.05	0.09
3.0-4.0	816.93	5.48	12.55	0.07	0.17
4.0-5.0	813.27	7.01	19.57	0.09	0.26
5.0-6.0	810.38	8.53	28.10	0.11	0.38
6.0-7.0	807.71	10.04	38.14	0.13	0.51
7.0-8.0	806.28	11.55	49.69	0.15	0.66
8.0-9.0	803.41	13.05	62.74	0.17	0.84
9.0-10.0	801.20	14.52	77.26	0.19	1.03
10.0-11.0	800.93	16.01	93.27	0.21	1.25
11.0-12.0	801.62	17.52	110.79	0.23	1.48
12.0-13.0	803.38	19.05	129.83	0.25	1.73
13.0-14.0	805.94	20.60	150.43	0.28	2.01
14.0-15.0	812.75	22.22	172.65	0.30	2.31
15.0-16.0	825.03	24.00	196.65	0.32	2.63
16.0-17.0	836.31	25.87	222.52	0.35	2.97
17.0-18.0	845.93	27.74	250.26	0.37	3.34
18.0-19.0	852.02	29.54	279.80	0.39	3.74
19.0-20.0	857.93	31.30	311.10	0.42	4.15
20.0-21.0	861.58	33.02	344.12	0.44	4.59
21.0-22.0	866.06	34.72	378.83	0.46	5.06
22.0-23.0	876.88	36.57	415.41	0.49	5.55
23.0-24.0	893.56	38.71	454.11	0.52	6.06
24.0-25.0	912.45	41.06	495.18	0.55	6.61
25.0-26.0	930.14	43.49	538.67	0.58	7.19
26.0-27.0	949.05	45.97	584.65	0.61	7.81
27.0-28.0	978.01	48.79	633.44	0.65	8.46
28.0-29.0	1008.77	51.98	685.42	0.69	9.15
29.0-30.0	1037.22	55.24	740.66	0.74	9.89
30.0-31.0	1064.40	58.49	799.14	0.78	10.67
31.0-32.0	1093.50	61.82	860.96	0.83	11.49
32.0-33.0	1122.77	65.29	926.26	0.87	12.37
33.0-34.0	1154.76	68.92	995.18	0.92	13.29
34.0-35.0	1188.21	72.76	1067.95	0.97	14.26
35.0-36.0	1218.08	76.62	1144.56	1.02	15.28
36.0-37.0	1244.70	80.32	1224.88	1.07	16.35
37.0-38.0	1271.19	83.98	1308.86	1.12	17.47
38.0-39.0	1307.31	88.01	1396.87	1.18	18.65
39.0-40.0	1341.14	92.37	1489.24	1.23	19.88

Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
40.0-41.0	1373.65	96.67	1585.91	1.29	21.17
41.0-42.0	1407.70	101.05	1686.96	1.35	22.52
42.0-43.0	1442.39	105.58	1792.54	1.41	23.93
43.0-44.0	1486.52	110.55	1903.08	1.48	25.41
44.0-45.0	1537.95	116.23	2019.32	1.55	26.96
45.0-46.0	1594.61	122.51	2141.83	1.64	28.59
46.0-47.0	1658.55	129.39	2271.21	1.73	30.32
47.0-48.0	1719.74	136.57	2407.78	1.82	32.15
48.0-49.0	1781.48	143.78	2551.56	1.92	34.07
49.0-50.0	1834.65	150.77	2702.33	2.01	36.08
50.0-51.0	1879.54	157.14	2859.47	2.10	38.18
51.0-52.0	1929.79	163.46	3022.93	2.18	40.36
52.0-53.0	1980.17	170.08	3193.01	2.27	42.63
53.0-54.0	2015.80	176.13	3369.14	2.35	44.98
54.0-55.0	2048.66	181.43	3550.57	2.42	47.40
55.0-56.0	2078.62	186.50	3737.07	2.49	49.89
56.0-57.0	2076.68	189.99	3927.06	2.54	52.43
57.0-58.0	2067.82	191.66	4118.72	2.56	54.99
58.0-59.0	2048.73	192.45	4311.17	2.57	57.56
59.0-60.0	2015.94	192.03	4503.20	2.56	60.12
60.0-61.0	1971.74	190.30	4693.50	2.54	62.66
61.0-62.0	1910.90	187.09	4880.59	2.50	65.16
62.0-63.0	1844.11	182.63	5063.21	2.44	67.60
63.0-64.0	1776.90	177.68	5240.89	2.37	69.97
64.0-65.0	1697.15	171.93	5412.82	2.30	72.27
65.0-66.0	1607.22	164.87	5577.69	2.20	74.47
66.0-67.0	1531.10	157.80	5735.49	2.11	76.57
67.0-68.0	1466.57	151.85	5887.34	2.03	78.60
68.0-69.0	1403.48	146.42	6033.76	1.95	80.56
69.0-70.0	1328.31	140.30	6174.06	1.87	82.43
70.0-71.0	1243.72	132.94	6307.00	1.77	84.20
71.0-72.0	1142.44	124.07	6431.07	1.66	85.86
72.0-73.0	1040.71	114.16	6545.23	1.52	87.38
73.0-74.0	944.73	104.38	6649.61	1.39	88.78
74.0-75.0	846.79	94.66	6744.27	1.26	90.04
75.0-76.0	755.11	85.04	6829.31	1.14	91.18
76.0-77.0	681.70	76.60	6905.91	1.02	92.20
77.0-78.0	597.87	68.50	6974.41	0.91	93.11
78.0-79.0	530.53	60.63	7035.04	0.81	93.92
79.0-80.0	475.90	54.26	7089.30	0.72	94.65
80.0-81.0	419.14	48.40	7137.70	0.65	95.29

Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
81.0-82.0	356.33	42.05	7179.75	0.56	95.86
82.0-83.0	297.82	35.56	7215.31	0.47	96.33
83.0-84.0	256.32	30.19	7245.50	0.40	96.73
84.0-85.0	228.62	26.47	7271.97	0.35	97.09
85.0-86.0	204.04	23.65	7295.62	0.32	97.40
86.0-87.0	190.33	21.58	7317.20	0.29	97.69
87.0-88.0	176.53	20.10	7337.30	0.27	97.96
88.0-89.0	164.96	18.72	7356.02	0.25	98.21
89.0-90.0	142.94	16.88	7372.90	0.23	98.43
90.0-91.0	109.29	13.83	7386.73	0.18	98.62
91.0-92.0	90.77	10.97	7397.69	0.15	98.76
92.0-93.0	83.05	9.52	7407.22	0.13	98.89
93.0-94.0	73.51	8.57	7415.78	0.11	99.01
94.0-95.0	52.45	6.88	7422.67	0.09	99.10
95.0-96.0	33.90	4.71	7427.38	0.06	99.16
96.0-97.0	21.07	2.99	7430.38	0.04	99.20
97.0-98.0	18.21	2.14	7432.51	0.03	99.23
98.0-99.0	15.79	1.84	7434.35	0.02	99.25
99.0-100.0	14.66	1.65	7436.00	0.02	99.28
100.0-101.0	13.00	1.49	7437.49	0.02	99.30
101.0-102.0	11.52	1.32	7438.81	0.02	99.31
102.0-103.0	10.09	1.16	7439.97	0.02	99.33
103.0-104.0	8.60	1.00	7440.96	0.01	99.34
104.0-105.0	8.09	0.89	7441.85	0.01	99.35
105.0-106.0	7.37	0.82	7442.67	0.01	99.37
106.0-107.0	7.48	0.78	7443.45	0.01	99.38
107.0-108.0	7.67	0.79	7444.24	0.01	99.39
108.0-109.0	7.87	0.81	7445.05	0.01	99.40
109.0-110.0	8.07	0.82	7445.87	0.01	99.41
110.0-111.0	8.29	0.84	7446.71	0.01	99.42
111.0-112.0	8.47	0.86	7447.57	0.01	99.43
112.0-113.0	8.68	0.87	7448.44	0.01	99.44
113.0-114.0	8.83	0.88	7449.32	0.01	99.45
114.0-115.0	9.04	0.89	7450.21	0.01	99.47
115.0-116.0	9.18	0.90	7451.11	0.01	99.48
116.0-117.0	9.34	0.91	7452.02	0.01	99.49
117.0-118.0	9.48	0.92	7452.93	0.01	99.50
118.0-119.0	9.66	0.92	7453.86	0.01	99.51
119.0-120.0	9.77	0.93	7454.78	0.01	99.53
120.0-121.0	9.91	0.93	7455.71	0.01	99.54
121.0-122.0	10.05	0.93	7456.65	0.01	99.55

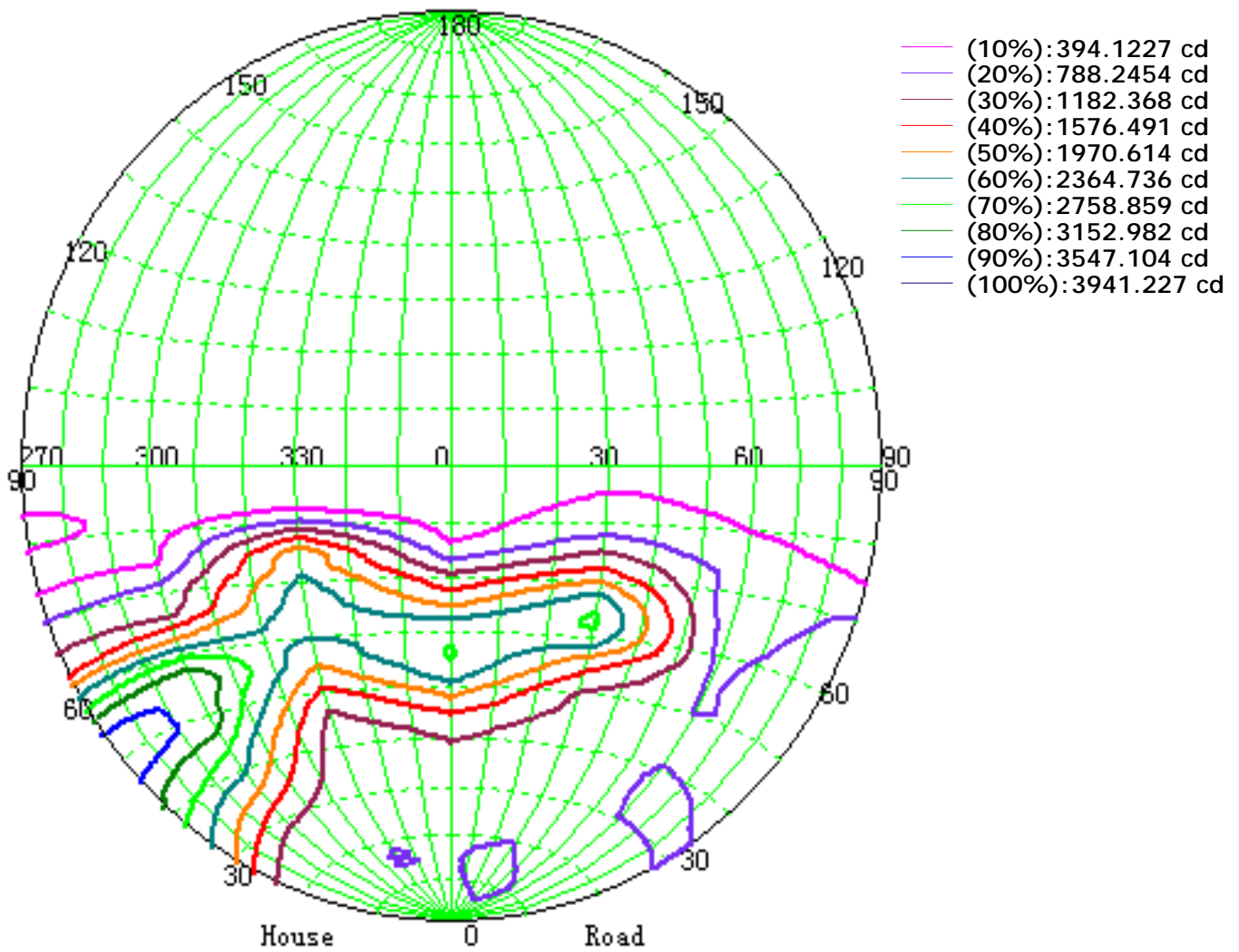
Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
122.0-123.0	10.12	0.93	7457.58	0.01	99.56
123.0-124.0	10.24	0.93	7458.51	0.01	99.58
124.0-125.0	10.38	0.93	7459.44	0.01	99.59
125.0-126.0	10.44	0.93	7460.37	0.01	99.60
126.0-127.0	10.50	0.92	7461.30	0.01	99.61
127.0-128.0	10.60	0.92	7462.21	0.01	99.63
128.0-129.0	10.69	0.91	7463.13	0.01	99.64
129.0-130.0	10.81	0.91	7464.04	0.01	99.65
130.0-131.0	10.88	0.90	7464.94	0.01	99.66
131.0-132.0	10.94	0.90	7465.84	0.01	99.67
132.0-133.0	11.03	0.89	7466.73	0.01	99.69
133.0-134.0	11.14	0.88	7467.61	0.01	99.70
134.0-135.0	11.28	0.88	7468.49	0.01	99.71
135.0-136.0	11.31	0.87	7469.35	0.01	99.72
136.0-137.0	11.41	0.86	7470.21	0.01	99.73
137.0-138.0	11.47	0.85	7471.06	0.01	99.74
138.0-139.0	11.58	0.84	7471.90	0.01	99.76
139.0-140.0	11.72	0.83	7472.73	0.01	99.77
140.0-141.0	11.78	0.82	7473.55	0.01	99.78
141.0-142.0	11.84	0.81	7474.35	0.01	99.79
142.0-143.0	11.96	0.79	7475.15	0.01	99.80
143.0-144.0	12.02	0.78	7475.93	0.01	99.81
144.0-145.0	12.12	0.77	7476.70	0.01	99.82
145.0-146.0	12.21	0.76	7477.45	0.01	99.83
146.0-147.0	12.22	0.74	7478.19	0.01	99.84
147.0-148.0	12.32	0.72	7478.92	0.01	99.85
148.0-149.0	12.33	0.71	7479.62	0.01	99.86
149.0-150.0	12.43	0.69	7480.31	0.01	99.87
150.0-151.0	12.41	0.67	7480.98	0.01	99.88
151.0-152.0	12.43	0.65	7481.63	0.01	99.89
152.0-153.0	12.42	0.63	7482.26	0.01	99.89
153.0-154.0	12.41	0.61	7482.87	0.01	99.90
154.0-155.0	12.33	0.58	7483.45	0.01	99.91
155.0-156.0	12.31	0.56	7484.01	0.01	99.92
156.0-157.0	12.24	0.54	7484.55	0.01	99.92
157.0-158.0	12.15	0.51	7485.06	0.01	99.93
158.0-159.0	12.06	0.49	7485.55	0.01	99.94
159.0-160.0	11.93	0.46	7486.01	0.01	99.94
160.0-161.0	11.83	0.43	7486.44	0.01	99.95
161.0-162.0	11.67	0.41	7486.85	0.01	99.96
162.0-163.0	11.51	0.38	7487.23	0.01	99.96

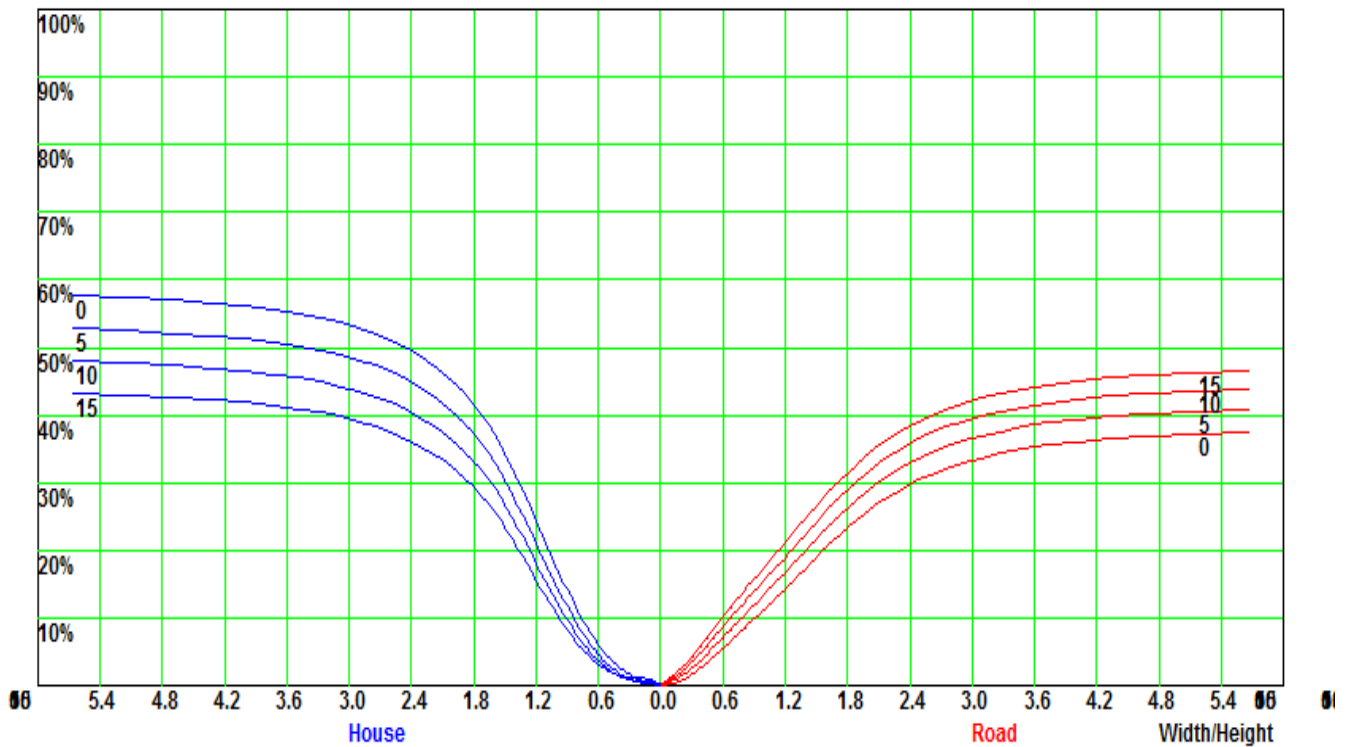
Zonal Luminous Flux Data

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
163.0-164.0	11.40	0.36	7487.59	0.00	99.96
164.0-165.0	11.28	0.33	7487.92	0.00	99.97
165.0-166.0	11.17	0.31	7488.23	0.00	99.97
166.0-167.0	11.02	0.28	7488.52	0.00	99.98
167.0-168.0	10.93	0.26	7488.78	0.00	99.98
168.0-169.0	10.79	0.24	7489.01	0.00	99.98
169.0-170.0	10.66	0.21	7489.23	0.00	99.99
170.0-171.0	10.57	0.19	7489.42	0.00	99.99
171.0-172.0	10.48	0.17	7489.59	0.00	99.99
172.0-173.0	10.41	0.15	7489.74	0.00	99.99
173.0-174.0	10.33	0.13	7489.87	0.00	100.00
174.0-175.0	10.28	0.11	7489.98	0.00	100.00
175.0-176.0	10.24	0.09	7490.06	0.00	100.00
176.0-177.0	10.20	0.07	7490.13	0.00	100.00
177.0-178.0	10.19	0.05	7490.18	0.00	100.00
178.0-179.0	10.17	0.03	7490.21	0.00	100.00
179.0-180.0	10.20	0.01	7490.22	0.00	100.00

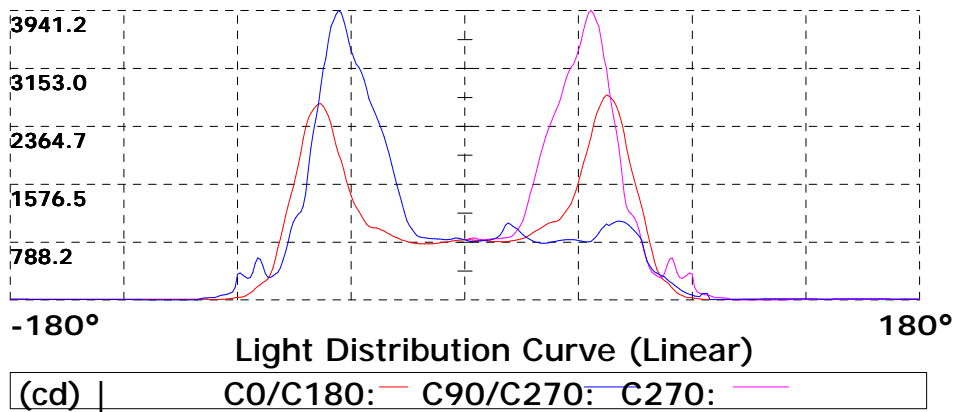
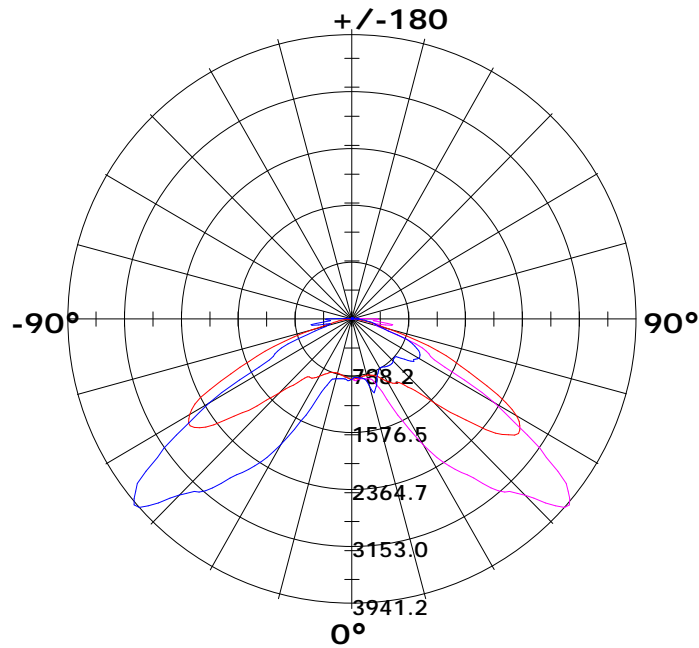
Iso-Candela [cd]

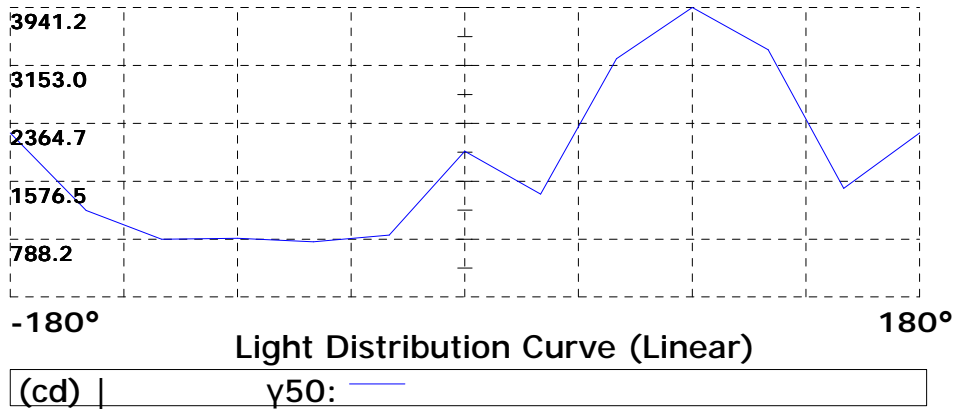
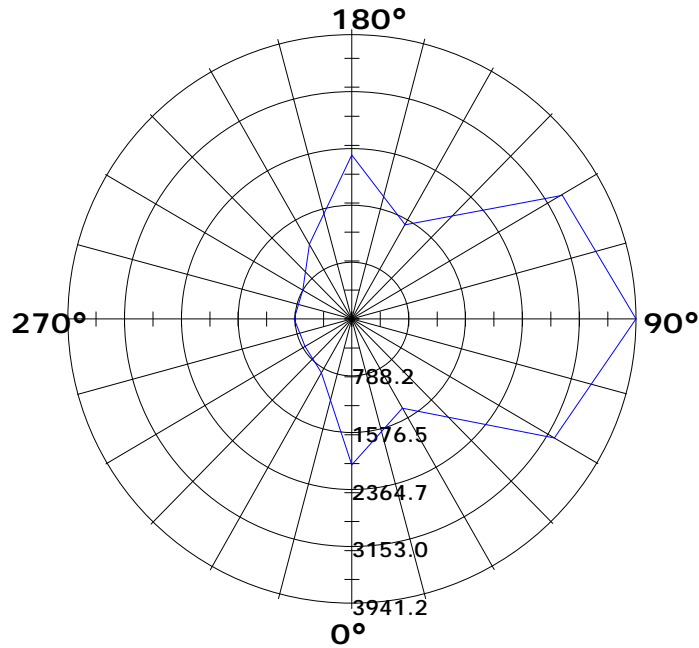


Coefficient Utilization Curve

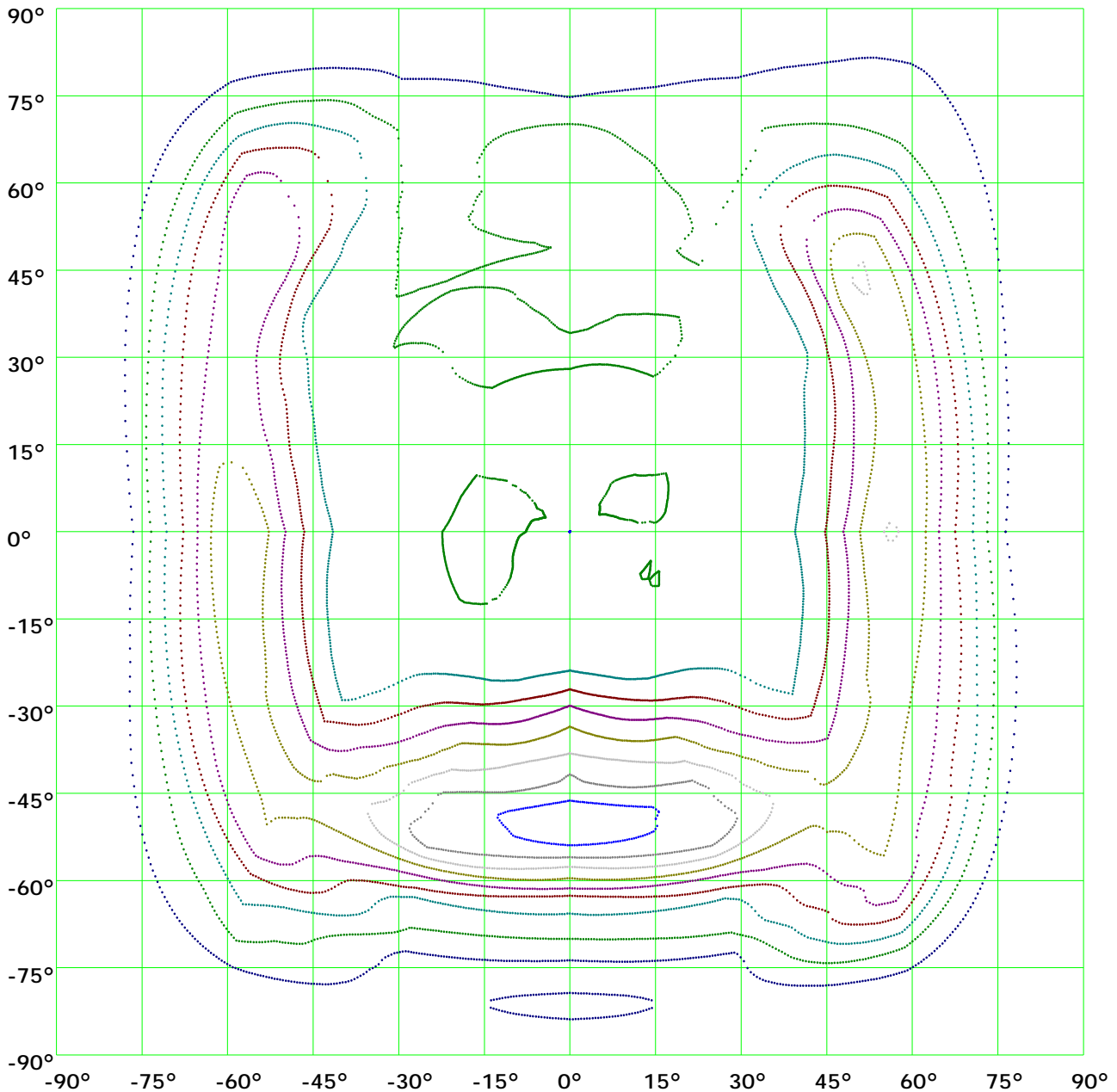


Light Distribution Curve [Unit: cd]



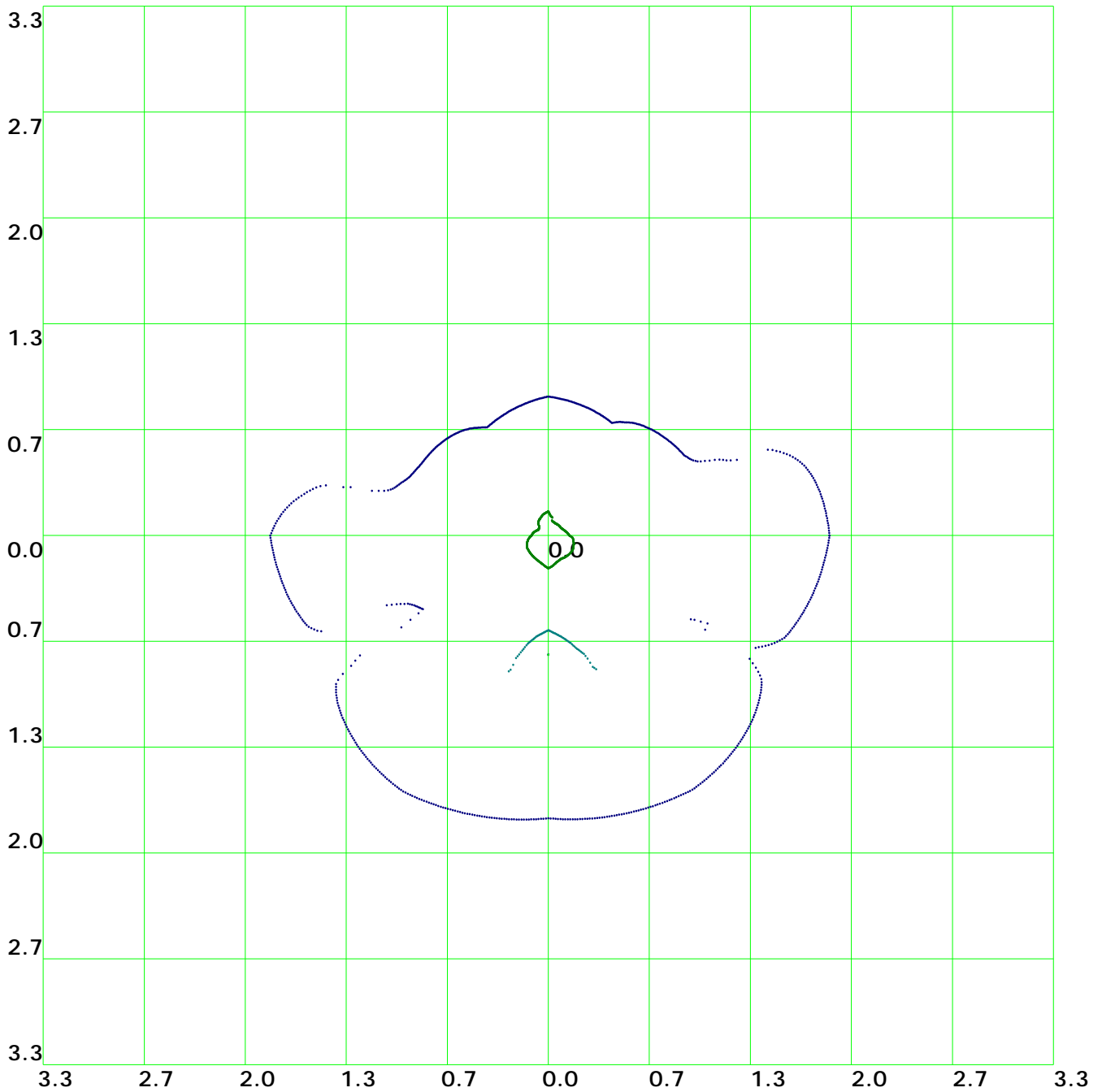


Isocandela(rectangle)



— (10%): 394.1cd	— (20%): 788.2cd	— (30%): 1182.4cd	— (40%): 1576.5cd
— (50%): 1970.6cd	— (60%): 2364.7cd	— (70%): 2758.9cd	— (80%): 3153.cd
— (90%): 3547.1cd	— (100%): 3941.2cd		

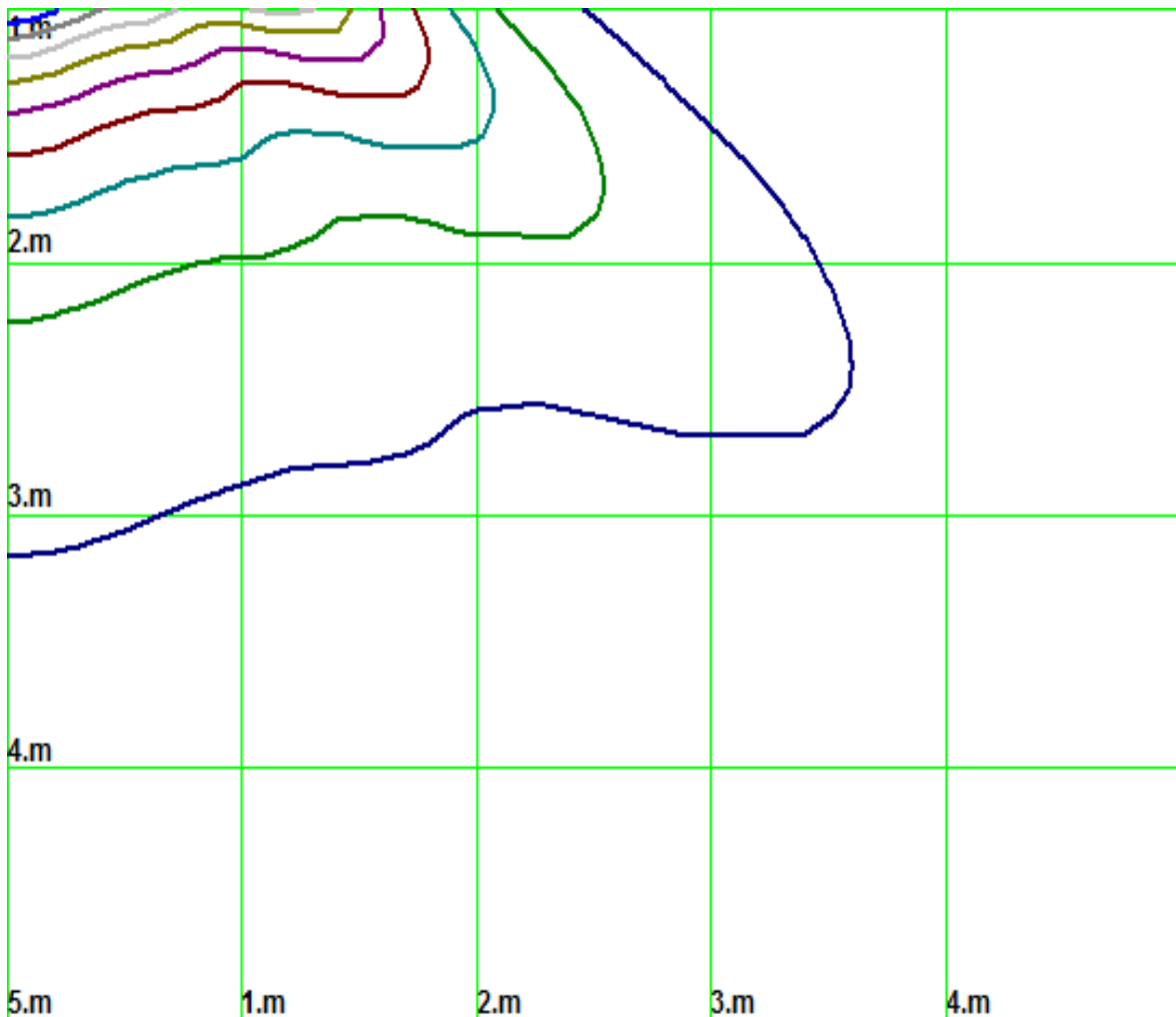
Isolx curve



Height: 1 m

- (10%): 394.1lx — (20%): 788.2lx — (30%): 1182.4lx — (40%): 1576.5lx
- (50%): 1970.6lx — (60%): 2364.7lx — (70%): 2758.9lx — (80%): 3153.1lx
- (90%): 3547.1lx — (100%): 3937.3lx

Space Isolx Curve



— (10%): 394.1lx	— (20%): 788.2lx	— (30%): 1182.4lx	— (40%): 1576.5lx
— (50%): 1970.6lx	— (60%): 2364.7lx	— (70%): 2758.9lx	— (80%): 3153.1lx
— (90%): 3547.1lx	— (100%): 3937.3lx		

Luminance Limiting Curve

Diameter: 280mm

Length: 280mm

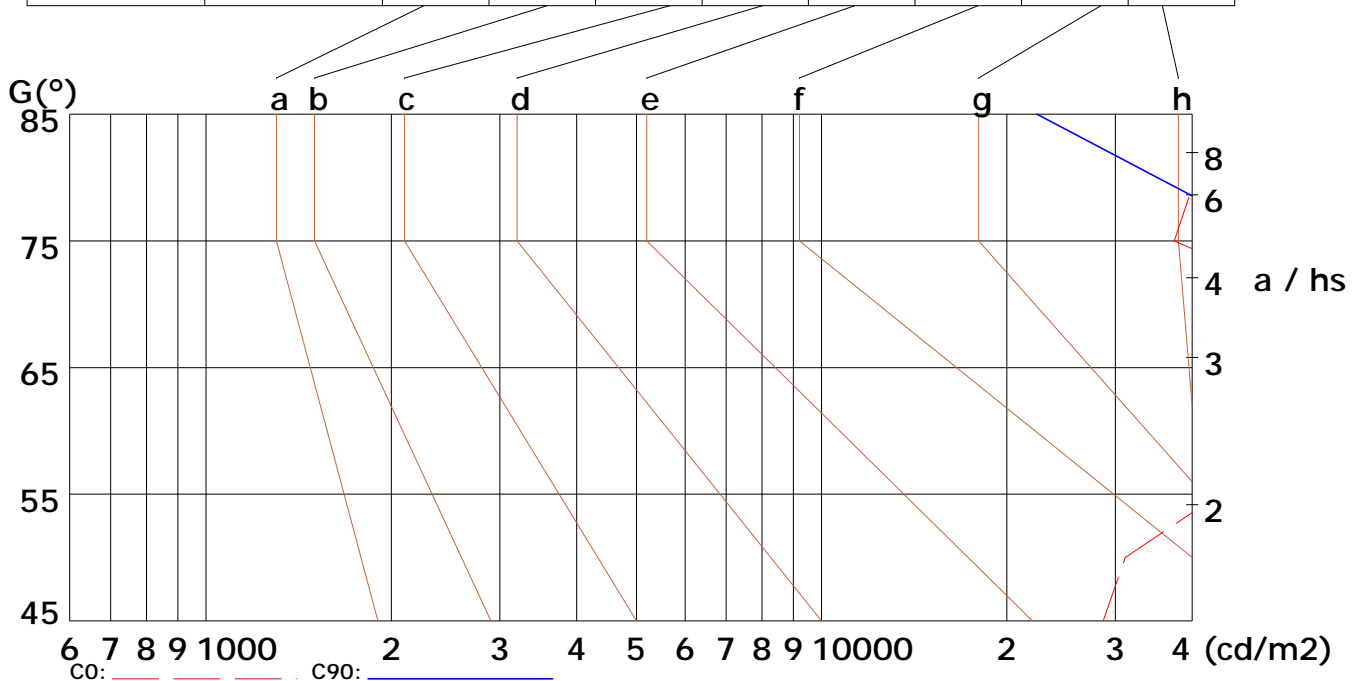
Width: 121mm

Height: 134mm

(cd/m²)

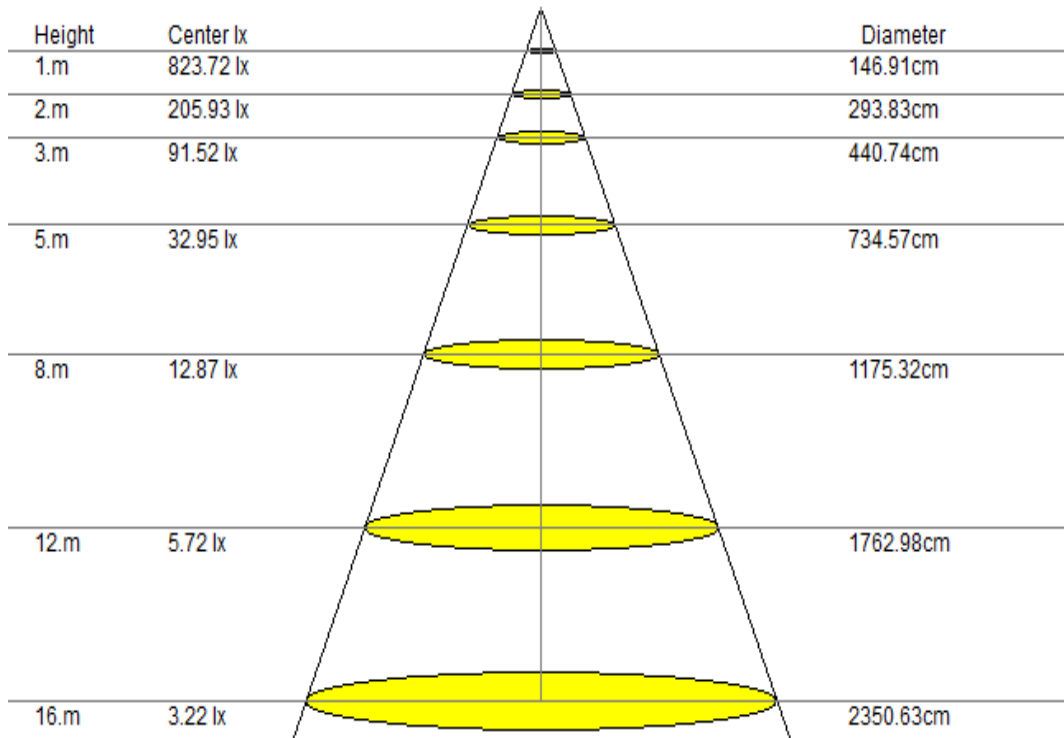
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	28668	31146	43638	53462	60325	59349	37400	40479	42789
C90	56718	86879	120149	131977	113519	2606	52127	35099	22368

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		



Lum. Limiting Curve (C0/C90)

Lux-Distance Curve

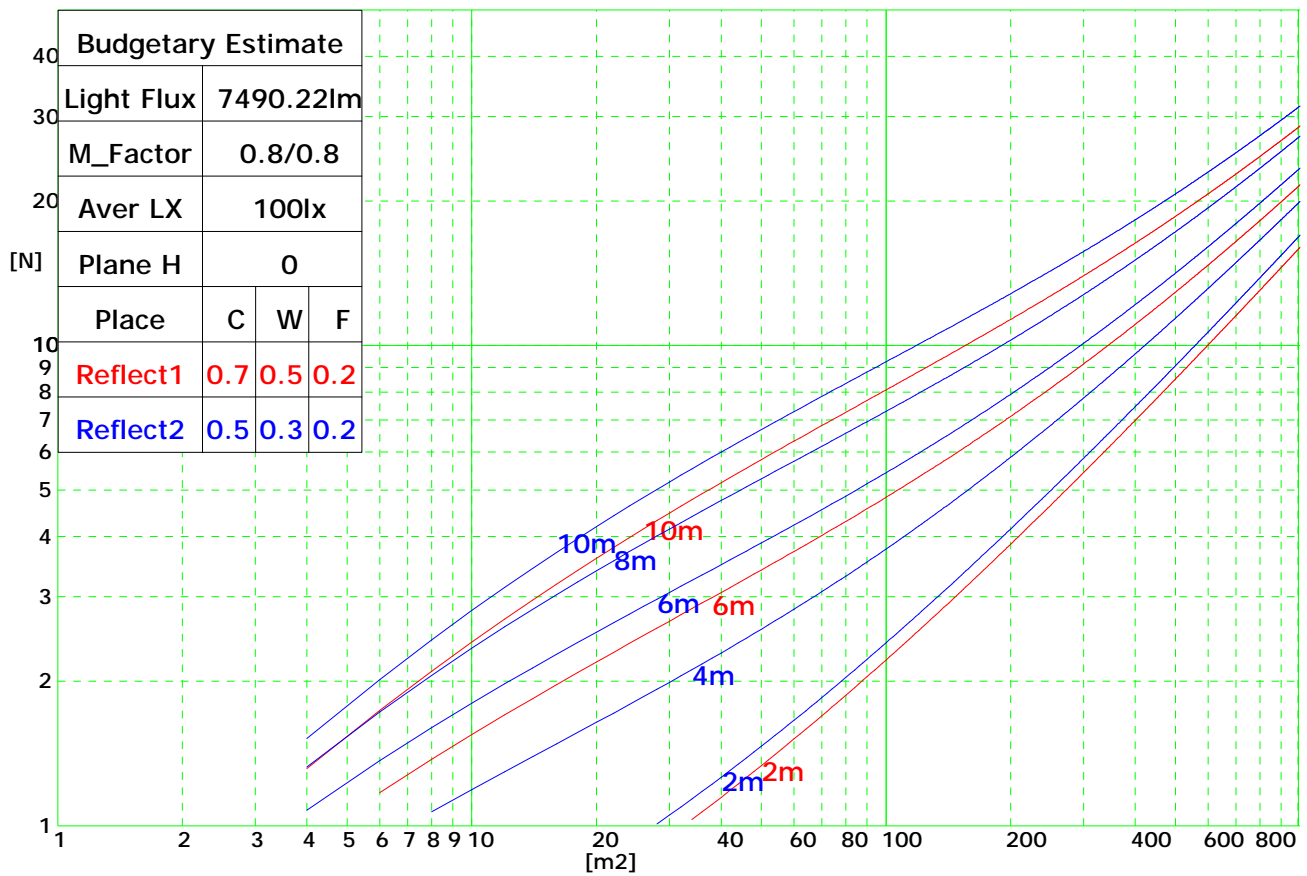


Beam Angle: 72.60°(50%Imax)

Coefficients of Utilization

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	COEFFICIENTS OF UTILIZATION FOR RHOFC=20															
0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	0.98	0.95	0.93	0.97	0.94	0.92	0.94	0.91	0.88	0.89	0.86	0.84	0.84	0.80	0.78	0.72
2	0.77	0.74	0.72	0.77	0.73	0.70	0.76	0.71	0.68	0.74	0.69	0.64	0.70	0.65	0.60	0.55
3	0.62	0.58	0.56	0.63	0.58	0.55	0.63	0.57	0.53	0.62	0.55	0.50	0.59	0.53	0.47	0.43
4	0.50	0.47	0.44	0.51	0.47	0.43	0.52	0.46	0.42	0.52	0.46	0.40	0.51	0.44	0.38	0.34
5	0.42	0.38	0.36	0.43	0.38	0.35	0.45	0.39	0.34	0.45	0.38	0.33	0.45	0.37	0.31	0.27
6	0.35	0.32	0.29	0.37	0.32	0.29	0.39	0.33	0.28	0.40	0.33	0.27	0.40	0.32	0.26	0.23
7	0.30	0.27	0.25	0.32	0.27	0.24	0.34	0.28	0.24	0.35	0.28	0.23	0.36	0.28	0.22	0.19
8	0.26	0.23	0.21	0.28	0.24	0.21	0.30	0.24	0.20	0.32	0.25	0.20	0.33	0.25	0.19	0.16
9	0.23	0.20	0.18	0.24	0.21	0.18	0.27	0.22	0.18	0.29	0.22	0.17	0.30	0.22	0.17	0.14
10	0.20	0.18	0.16	0.22	0.18	0.16	0.24	0.19	0.16	0.26	0.20	0.15	0.28	0.20	0.15	0.12

Indoor Budgetary Estimate Chart



UGR Glare Index

Ceiling	70	70	50	50	30	70	70	50	50	30	
Wall	50	30	50	30	30	50	30	50	30	30	
Floor	20	20	20	20	20	20	20	20	20	20	
Room Size	Left to light axis direction of observation					Direction of light axis parallel observation					
X	Y										
2H	2H	13.9	15.0	14.2	15.1	15.4	13.7	15.0	14.1	15.1	15.5
	3H	15.3	16.5	15.7	16.9	17.0	15.3	16.4	15.6	16.9	17.0
	4H	16.1	17.0	16.4	17.6	17.7	16.0	17.0	16.2	17.5	17.6
	6H	16.5	17.6	17.1	17.8	18.0	16.5	17.5	16.8	17.8	18.0
	8H	16.8	17.9	17.1	18.0	18.3	16.8	17.7	17.0	17.8	18.2
4H	12H	16.9	17.7	17.1	18.2	18.5	16.7	17.6	17.0	18.1	18.4
	2H	14.9	15.7	14.9	15.9	16.1	14.8	15.5	14.8	15.8	16.2
	3H	16.6	17.3	16.8	17.5	17.7	16.3	17.2	16.7	17.5	17.8
	4H	17.1	18.0	17.6	18.0	18.4	17.1	17.9	17.3	18.0	18.4
	6H	17.7	18.4	18.1	18.6	18.9	17.6	18.3	18.0	18.7	19.0
8H	8H	18.1	18.6	18.4	18.9	19.1	18.0	18.4	18.2	18.9	19.2
	12H	18.1	18.7	18.5	19.0	19.4	18.1	18.7	18.5	19.0	19.4
	4H	17.6	18.2	17.8	18.3	18.7	17.4	18.0	17.7	18.2	18.8
	6H	18.4	18.8	18.7	19.2	19.5	18.1	18.7	18.6	19.1	19.3
	8H	18.7	19.1	19.0	19.4	19.8	18.5	19.0	18.9	19.4	19.8
12H	12H	18.8	19.3	19.2	19.6	20.0	18.8	19.1	19.2	19.5	20.0
	4H	17.5	18.1	17.9	18.4	18.7	17.4	18.0	17.8	18.5	18.8
	6H	18.5	18.9	18.7	19.1	19.5	18.4	18.8	18.7	19.2	19.5
	8H	18.8	19.2	19.2	19.4	20.0	18.7	19.1	19.1	19.3	19.8