

Luminaire Property

Luminaire: RH-D01 22W 4000K

Report NO.:

Test NO.:

Lamp:

Sum Lumens: 1749.42 lm

Number of Lamps: 1

Diameter: 380mm

Length: mm

Photometric Type: Type C

Voltage: 229.8 V

Current: 0.089 A

Power: 19.5 W

Power Factor: 0.947

Ballast Type: EBP021C0250C1 56-85V 250mA

Width: 380mm

Height: 100mm

Remark: 48pcs SMD5730 2B24C 白色铝银边

Photometric Results

Lumens: 1749.42 lm

Efficiency: 89.7138 lm/W

Central Intensity: 633.947cd

Maximum Intensity: 635.402cd

Beam Angle(10%): Left: -80.5 Right:80.1

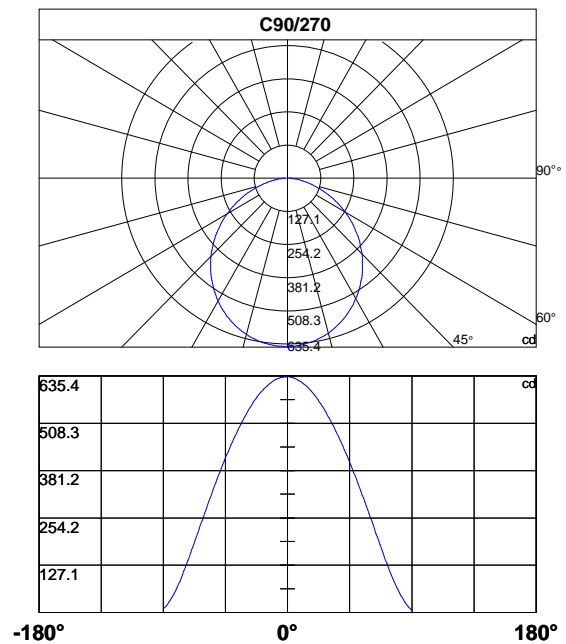
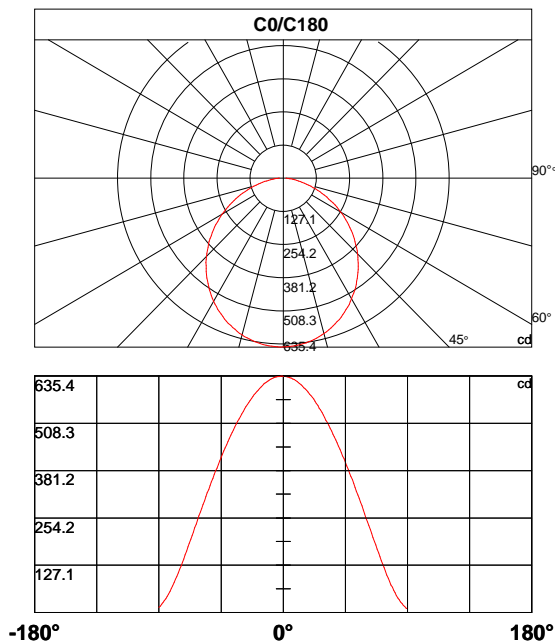
Angle of maximum intensity: C:135.0 G:1.0

Half Peak Side Angle(50%): Left: -54.8 Right:54.4

Light Out Rate(LOR) : 100.00%

Up Flux Rate: 0.0%

Down Flux Rate: 100.0%



Photometric Data Table [cd]

C\G	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0
0.0	633.9	634.6	633.6	633.0	632.4	630.5	629.8	626.8	625.9	623.1
45.0	633.9	633.5	632.1	631.6	630.7	629.2	627.6	625.3	623.6	621.4
90.0	633.9	633.5	632.1	631.6	630.7	629.2	627.6	625.3	623.6	621.4
135.0	633.9	635.4	634.7	634.3	633.8	632.8	631.7	630.3	628.4	626.8
180.0	633.9	635.4	634.7	634.3	633.8	632.8	631.7	630.3	628.4	626.8
225.0	633.9	633.3	632.7	632.6	632.1	630.9	630.0	628.4	627.2	625.2
270.0	633.9	633.3	632.7	632.6	632.1	630.9	630.0	628.4	627.2	625.2
315.0	633.9	634.6	633.6	633.0	632.4	630.5	629.8	626.8	625.9	623.1
360.0	633.9	634.6	633.6	633.0	632.4	630.5	629.8	626.8	625.9	623.1

C\G	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	620.9	617.7	615.1	611.8	608.4	604.2	600.7	596.5	592.5	587.1
45.0	619.2	616.0	613.3	610.4	607.1	603.7	599.5	595.4	590.5	586.4
90.0	619.2	616.0	613.3	610.4	607.1	603.7	599.5	595.4	590.5	586.4
135.0	624.5	622.1	619.1	616.4	614.0	609.7	606.8	602.5	598.2	594.4
180.0	624.5	622.1	619.1	616.4	614.0	609.7	606.8	602.5	598.2	594.4
225.0	622.8	620.7	617.7	614.9	611.8	608.2	604.9	601.7	596.9	593.7
270.0	622.8	620.7	617.7	614.9	611.8	608.2	604.9	601.7	596.9	593.7
315.0	620.9	617.7	615.1	611.8	608.4	604.2	600.7	596.5	592.5	587.1
360.0	620.9	617.7	615.1	611.8	608.4	604.2	600.7	596.5	592.5	587.1

C\G	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	583.4	578.2	573.2	567.4	561.7	556.1	549.2	544.6	537.8	530.7
45.0	582.0	576.9	571.6	566.1	560.4	554.8	549.2	542.6	536.7	529.4
90.0	582.0	576.9	571.6	566.1	560.4	554.8	549.2	542.6	536.7	529.4
135.0	589.4	585.8	581.0	575.4	569.8	563.9	559.0	553.3	547.1	540.5
180.0	589.4	585.8	581.0	575.4	569.8	563.9	559.0	553.3	547.1	540.5
225.0	588.7	584.1	579.6	573.5	569.1	562.9	557.0	552.5	545.4	539.2
270.0	588.7	584.1	579.6	573.5	569.1	562.9	557.0	552.5	545.4	539.2
315.0	583.4	578.2	573.2	567.4	561.7	556.1	549.2	544.6	537.8	530.7
360.0	583.4	578.2	573.2	567.4	561.7	556.1	549.2	544.6	537.8	530.7

C\G	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	523.9	516.3	509.9	503.4	495.4	487.6	479.3	472.0	463.7	456.0
45.0	522.8	516.4	509.4	502.4	494.4	486.8	478.5	471.9	463.5	454.6
90.0	522.8	516.4	509.4	502.4	494.4	486.8	478.5	471.9	463.5	454.6
135.0	533.3	526.9	520.3	513.3	506.5	498.2	490.6	483.0	476.3	467.0
180.0	533.3	526.9	520.3	513.3	506.5	498.2	490.6	483.0	476.3	467.0
225.0	532.3	525.8	518.4	512.6	505.4	497.5	490.0	482.0	473.8	466.9
270.0	532.3	525.8	518.4	512.6	505.4	497.5	490.0	482.0	473.8	466.9
315.0	523.9	516.3	509.9	503.4	495.4	487.6	479.3	472.0	463.7	456.0
360.0	523.9	516.3	509.9	503.4	495.4	487.6	479.3	472.0	463.7	456.0

Photometric Data Table [cd]

C\G	40.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0
0.0	447.2	438.3	430.0	420.4	413.0	403.4	394.1	384.5	374.3	365.2
45.0	446.8	437.8	429.6	421.1	412.4	403.6	393.6	384.5	374.8	366.3
90.0	446.8	437.8	429.6	421.1	412.4	403.6	393.6	384.5	374.8	366.3
135.0	459.5	450.7	441.8	434.4	425.3	416.6	406.7	397.6	388.2	380.4
180.0	459.5	450.7	441.8	434.4	425.3	416.6	406.7	397.6	388.2	380.4
225.0	458.3	449.6	440.7	432.1	424.1	415.2	405.8	396.2	386.6	377.4
270.0	458.3	449.6	440.7	432.1	424.1	415.2	405.8	396.2	386.6	377.4
315.0	447.2	438.3	430.0	420.4	413.0	403.4	394.1	384.5	374.3	365.2
360.0	447.2	438.3	430.0	420.4	413.0	403.4	394.1	384.5	374.3	365.2

C\G	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	356.6	346.8	336.6	325.8	315.9	306.7	296.4	286.1	275.0	265.0
45.0	356.6	346.6	336.6	326.0	315.7	307.0	296.5	286.3	275.3	264.6
90.0	356.6	346.6	336.6	326.0	315.7	307.0	296.5	286.3	275.3	264.6
135.0	370.3	360.6	350.6	340.3	330.1	321.3	311.4	300.1	290.0	279.4
180.0	370.3	360.6	350.6	340.3	330.1	321.3	311.4	300.1	290.0	279.4
225.0	368.5	358.8	348.7	338.4	328.5	318.3	308.7	298.7	288.2	277.1
270.0	368.5	358.8	348.7	338.4	328.5	318.3	308.7	298.7	288.2	277.1
315.0	356.6	346.8	336.6	325.8	315.9	306.7	296.4	286.1	275.0	265.0
360.0	356.6	346.8	336.6	325.8	315.9	306.7	296.4	286.1	275.0	265.0

C\G	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	253.2	243.3	234.0	223.0	212.3	201.3	190.2	181.1	170.6	159.9
45.0	254.5	245.1	234.9	223.1	212.9	201.9	192.6	182.4	170.9	160.6
90.0	254.5	245.1	234.9	223.1	212.9	201.9	192.6	182.4	170.9	160.6
135.0	269.8	259.7	248.7	237.6	227.7	216.1	205.9	196.7	185.6	175.7
180.0	269.8	259.7	248.7	237.6	227.7	216.1	205.9	196.7	185.6	175.7
225.0	266.2	255.9	246.3	236.0	224.5	213.9	202.8	193.2	182.5	171.8
270.0	266.2	255.9	246.3	236.0	224.5	213.9	202.8	193.2	182.5	171.8
315.0	253.2	243.3	234.0	223.0	212.3	201.3	190.2	181.1	170.6	159.9
360.0	253.2	243.3	234.0	223.0	212.3	201.3	190.2	181.1	170.6	159.9

C\G	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	149.2	139.3	128.9	120.3	110.7	100.6	91.7	82.9	73.9	67.5
45.0	150.0	139.9	131.4	120.8	111.3	101.6	92.7	83.8	75.9	67.7
90.0	150.0	139.9	131.4	120.8	111.3	101.6	92.7	83.8	75.9	67.7
135.0	164.9	154.6	143.9	135.5	125.7	115.7	106.8	96.5	89.3	80.6
180.0	164.9	154.6	143.9	135.5	125.7	115.7	106.8	96.5	89.3	80.6
225.0	161.6	150.7	140.0	131.6	121.1	111.2	101.7	92.2	82.9	75.9
270.0	161.6	150.7	140.0	131.6	121.1	111.2	101.7	92.2	82.9	75.9
315.0	149.2	139.3	128.9	120.3	110.7	100.6	91.7	82.9	73.9	67.5
360.0	149.2	139.3	128.9	120.3	110.7	100.6	91.7	82.9	73.9	67.5

Photometric Data Table [cd]

C\G	80.0	81.0	82.0	83.0	84.0	85.0	86.0	87.0	88.0	89.0
0.0	58.9	52.8	45.3	39.1	34.2	28.4	23.9	18.7	15.9	11.5
45.0	59.9	52.2	45.7	39.6	33.6	27.4	22.5	17.1	12.8	9.5
90.0	59.9	52.2	45.7	39.6	33.6	27.4	22.5	17.1	12.8	9.5
135.0	71.6	64.2	56.4	49.4	43.0	37.2	32.3	26.4	22.3	17.1
180.0	71.6	64.2	56.4	49.4	43.0	37.2	32.3	26.4	22.3	17.1
225.0	66.9	59.5	51.6	45.0	39.3	33.1	27.8	21.6	17.1	12.8
270.0	66.9	59.5	51.6	45.0	39.3	33.1	27.8	21.6	17.1	12.8
315.0	58.9	52.8	45.3	39.1	34.2	28.4	23.9	18.7	15.9	11.5
360.0	58.9	52.8	45.3	39.1	34.2	28.4	23.9	18.7	15.9	11.5

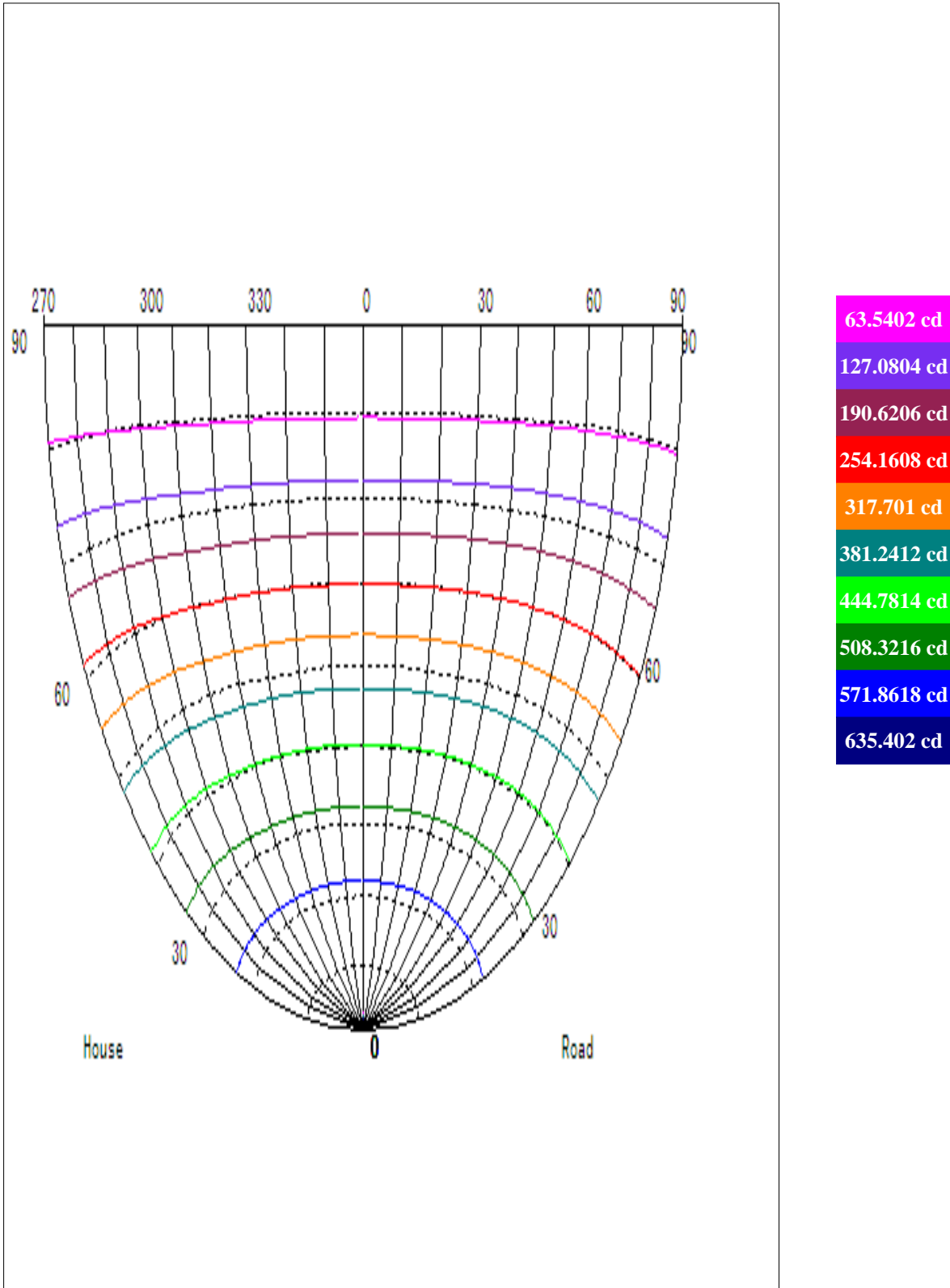
C\G	90.0
0.0	10.4
45.0	5.9
90.0	5.9
135.0	13.6
180.0	13.6
225.0	11.5
270.0	11.5
315.0	10.4
360.0	10.4

Zonal Flux Distribution

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0	633.95	0.00	0.00	0.00	0.00
1	634.21	0.61	0.61	0.03	0.03
2	633.28	1.82	2.43	0.10	0.14
3	632.88	3.03	5.45	0.17	0.31
4	632.24	4.23	9.69	0.24	0.55
5	630.88	5.43	15.12	0.31	0.86
6	629.78	6.63	21.75	0.38	1.24
7	627.71	7.81	29.55	0.45	1.69
8	626.29	8.97	38.53	0.51	2.20
9	624.13	10.13	48.66	0.58	2.78
10	621.85	11.28	59.94	0.64	3.43
11	619.13	12.40	72.34	0.71	4.13
12	616.29	13.50	85.84	0.77	4.91
13	613.37	14.59	100.44	0.83	5.74
14	610.33	15.66	116.10	0.90	6.64
15	606.45	16.70	132.80	0.95	7.59
16	603.00	17.72	150.53	1.01	8.60
17	599.03	18.72	169.24	1.07	9.67
18	594.50	19.68	188.92	1.12	10.80
19	590.38	20.61	209.54	1.18	11.98
20	585.86	21.53	231.07	1.23	13.21
21	581.25	22.41	253.48	1.28	14.49
22	576.33	23.26	276.74	1.33	15.82
23	570.60	24.07	300.80	1.38	17.19
24	565.25	24.83	325.64	1.42	18.61
25	559.42	25.57	351.21	1.46	20.08
26	553.58	26.27	377.48	1.50	21.58
27	548.28	26.96	404.44	1.54	23.12
28	541.72	27.60	432.04	1.58	24.70
29	534.96	28.17	460.21	1.61	26.31
30	528.07	28.70	488.91	1.64	27.95
31	521.36	29.20	518.11	1.67	29.62
32	514.54	29.68	547.79	1.70	31.31
33	507.93	30.12	577.91	1.72	33.03
34	500.41	30.52	608.43	1.74	34.78
35	492.53	30.84	639.26	1.76	36.54
36	484.60	31.11	670.37	1.78	38.32
37	477.24	31.37	701.74	1.79	40.11
38	469.32	31.59	733.34	1.81	41.92
39	461.10	31.76	765.10	1.82	43.73
40	452.92	31.88	796.98	1.82	45.56

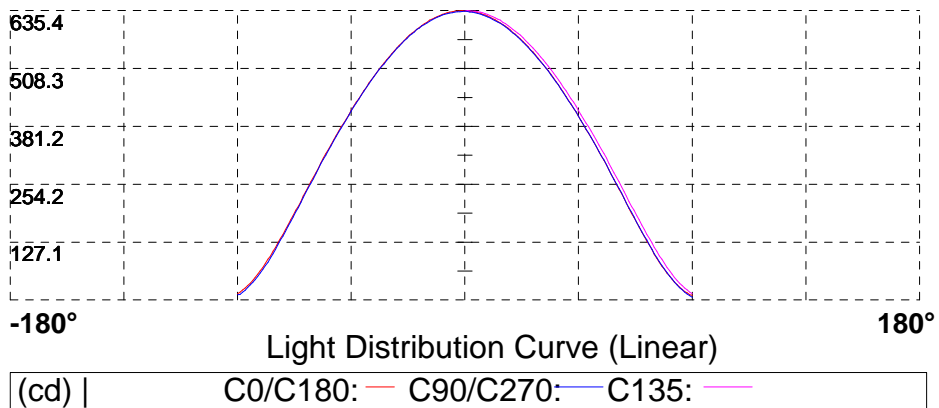
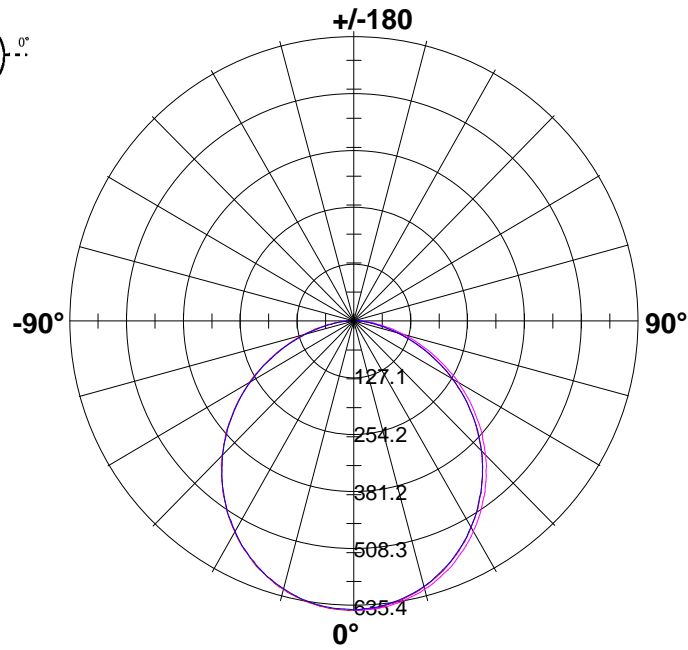
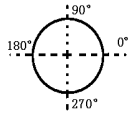
Zonal Flux Distribution

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
41	444.11	31.94	828.92	1.83	47.38
42	435.54	31.96	860.88	1.83	49.21
43	427.01	31.95	892.83	1.83	51.04
44	418.68	31.92	924.75	1.82	52.86
45	409.70	31.84	956.58	1.82	54.68
46	400.07	31.67	988.25	1.81	56.49
47	390.72	31.45	1019.70	1.80	58.29
48	380.98	31.20	1050.90	1.78	60.07
49	372.34	30.94	1081.83	1.77	61.84
50	363.02	30.66	1112.49	1.75	63.59
51	353.19	30.30	1142.80	1.73	65.32
52	343.11	29.88	1172.68	1.71	67.03
53	332.63	29.39	1202.07	1.68	68.71
54	322.57	28.88	1230.95	1.65	70.36
55	313.33	28.39	1259.33	1.62	71.99
56	303.25	27.86	1287.19	1.59	73.58
57	292.80	27.25	1314.45	1.56	75.14
58	282.13	26.59	1341.03	1.52	76.66
59	271.54	25.88	1366.92	1.48	78.14
60	260.92	25.15	1392.07	1.44	79.57
61	251.01	24.43	1416.50	1.40	80.97
62	240.97	23.71	1440.21	1.36	82.32
63	229.92	22.90	1463.11	1.31	83.63
64	219.33	22.04	1485.16	1.26	84.89
65	208.30	21.16	1506.32	1.21	86.10
66	197.86	20.26	1526.58	1.16	87.26
67	188.32	19.42	1546.00	1.11	88.37
68	177.38	18.53	1564.53	1.06	89.43
69	166.98	17.57	1582.10	1.00	90.44
70	156.43	16.61	1598.71	0.95	91.38
71	146.15	15.64	1614.34	0.89	92.28
72	136.06	14.67	1629.02	0.84	93.12
73	127.04	13.76	1642.78	0.79	93.90
74	117.21	12.84	1655.62	0.73	94.64
75	107.26	11.86	1667.48	0.68	95.32
76	98.24	10.91	1678.39	0.62	95.94
77	88.85	9.98	1688.36	0.57	96.51
78	80.48	9.06	1697.43	0.52	97.03
79	72.94	8.24	1705.67	0.47	97.50
80	64.32	7.40	1713.07	0.42	97.92
81	57.17	6.57	1719.64	0.38	98.30

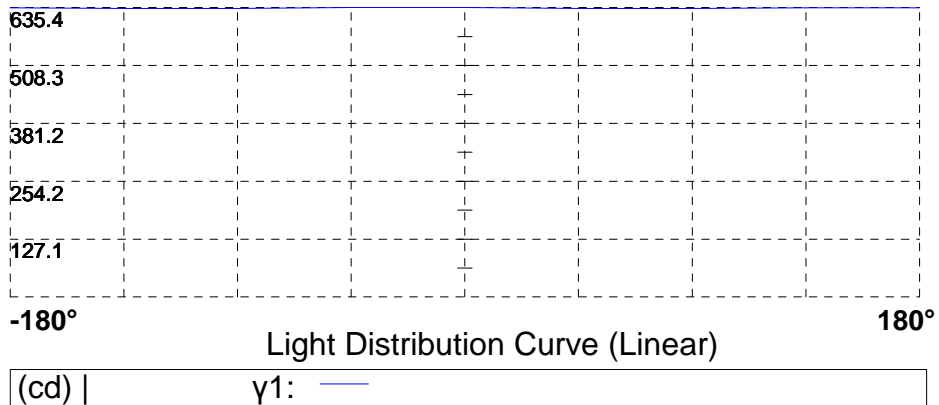
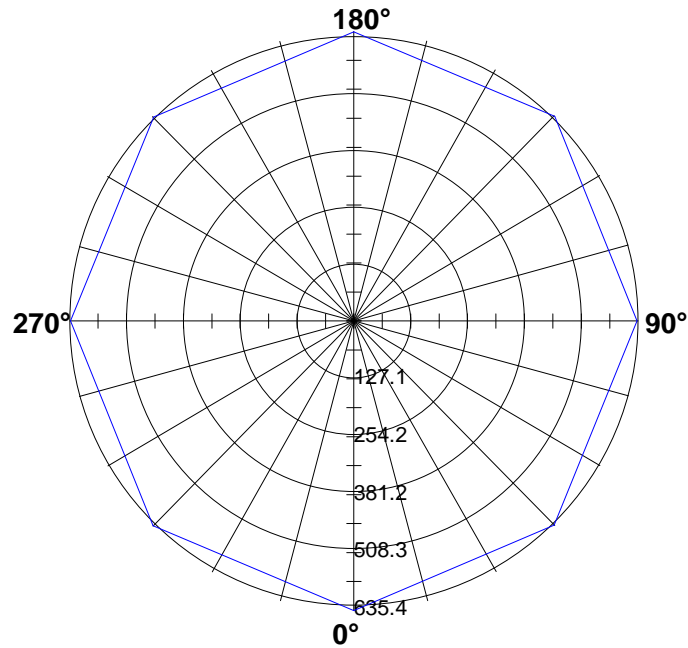


Light Distribution Curve [Unit: cd]

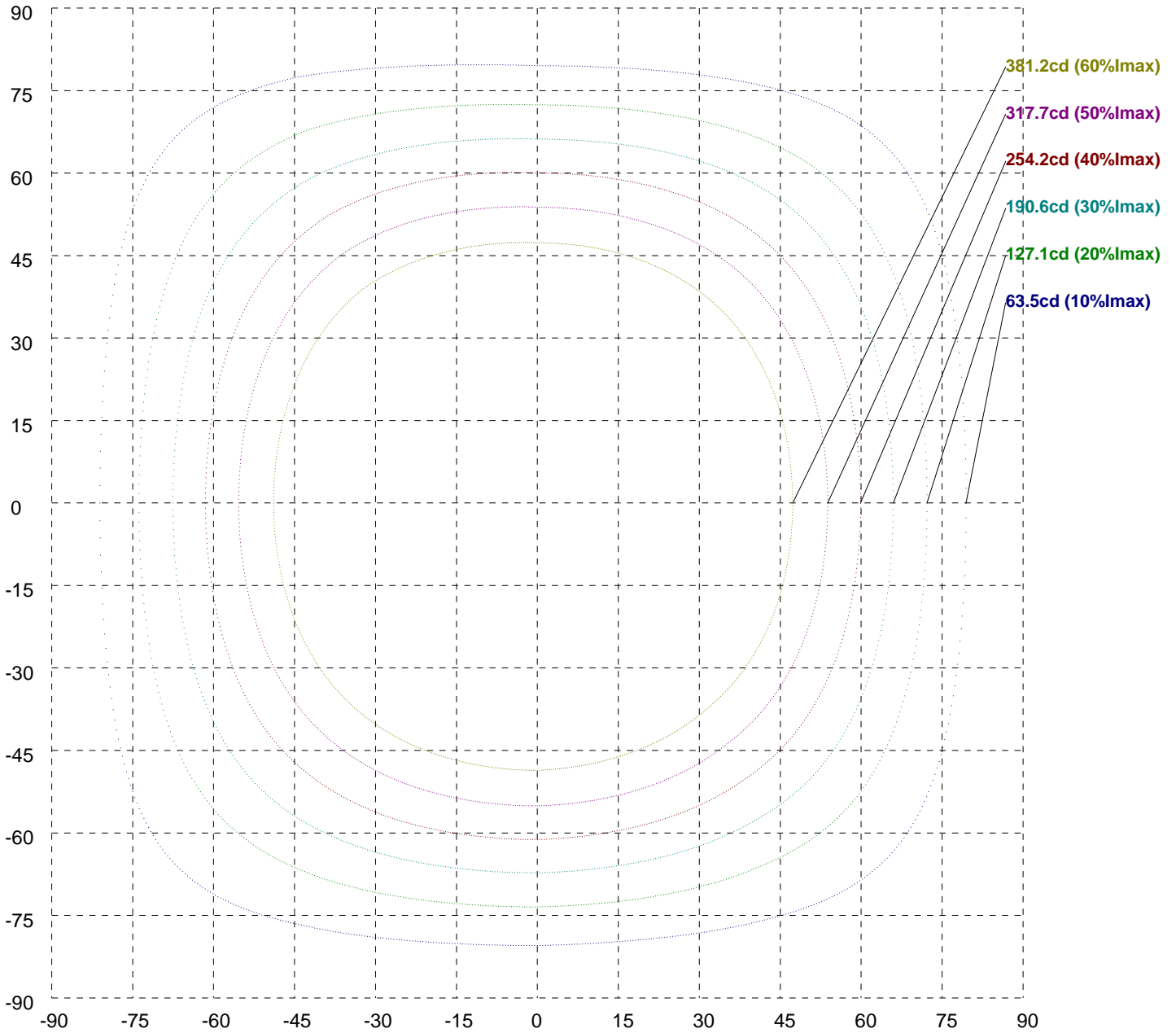
Luminaire



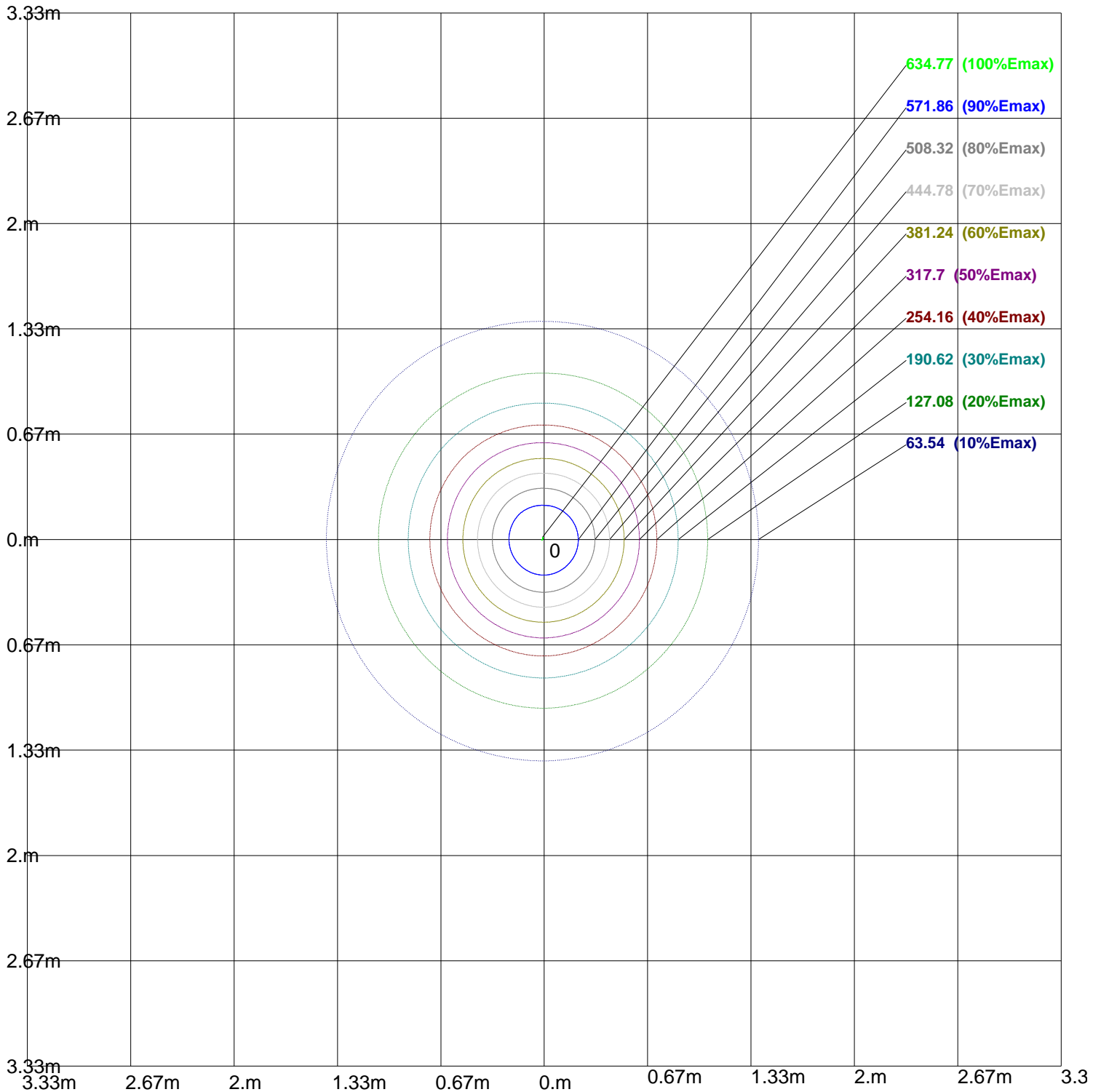
Max Plane Light Distribution Curve [Unit: cd]



等光强曲线 V-H [cd]



Iso-Lux[lx]



Height: 1 m
Max Illuminance : 635.4lx

Luminance Limiting Curve

Diameter: 380mm

Length: mm

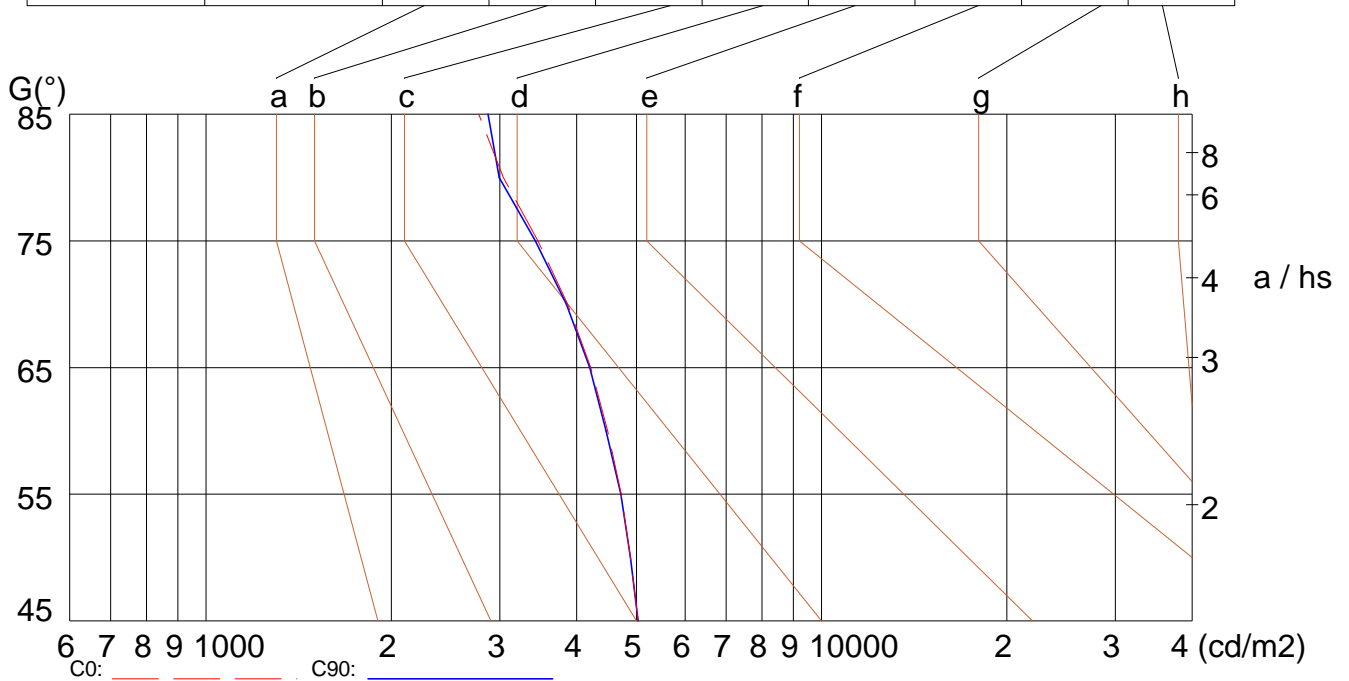
Width: 380mm

Height: 100mm

(cd/m²)

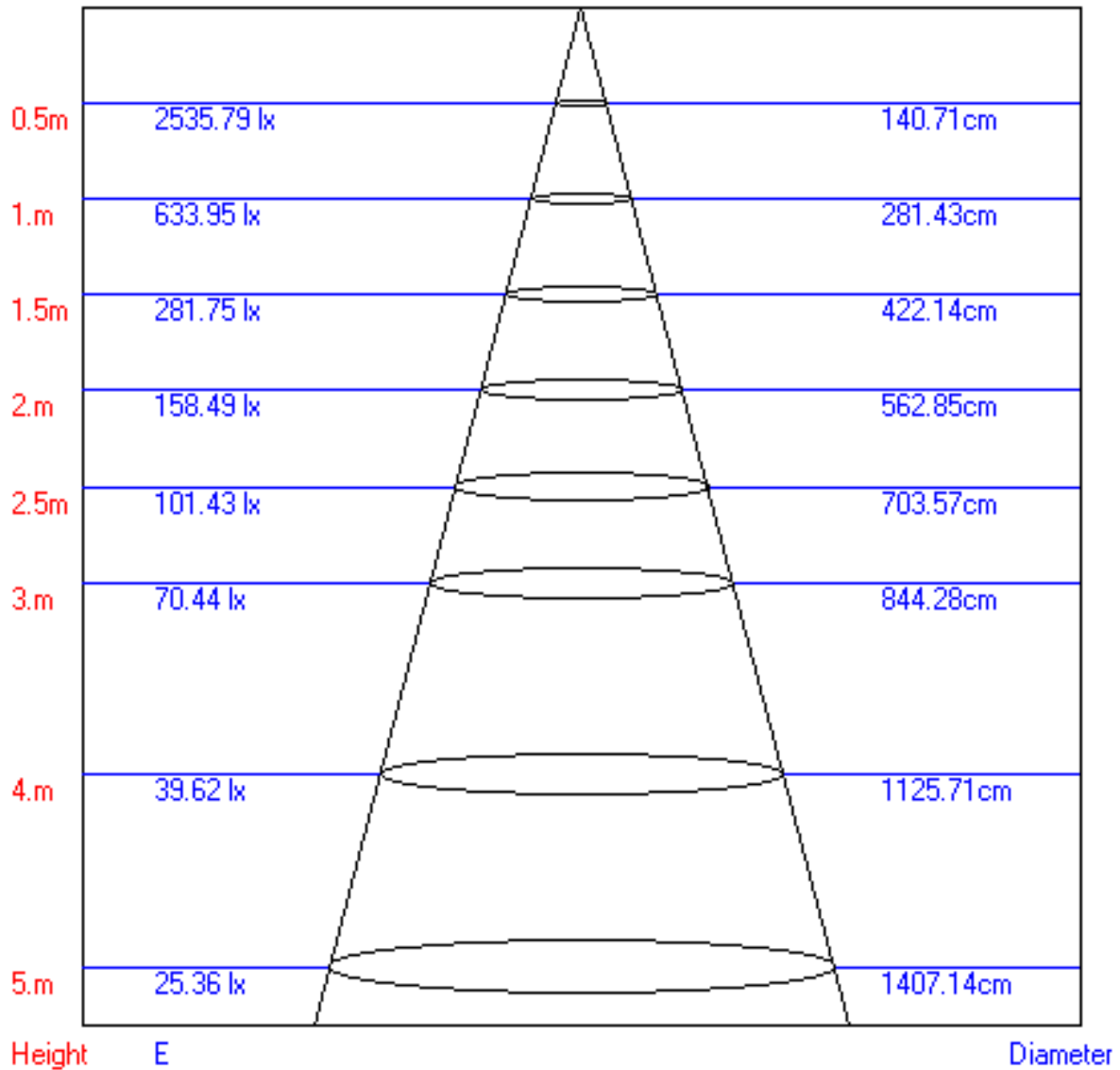
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	5033	4893	4721	4489	4214	3869	3461	3040	2772
C90	5030	4893	4716	4465	4200	3848	3426	2993	2871

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:109.20°

Utilization Coefficient Table

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	1.04	1.03	1.01	1.03	1.01	0.99	0.99	0.97	0.95	0.95	0.92	0.90	0.88	0.86	0.84	0.79
2	0.89	0.86	0.84	0.88	0.85	0.83	0.86	0.82	0.79	0.83	0.79	0.75	0.78	0.74	0.70	0.66
3	0.76	0.73	0.71	0.76	0.72	0.70	0.75	0.70	0.67	0.73	0.68	0.64	0.69	0.64	0.60	0.55
4	0.66	0.63	0.61	0.66	0.62	0.60	0.66	0.61	0.57	0.64	0.59	0.54	0.62	0.56	0.51	0.47
5	0.57	0.54	0.53	0.58	0.54	0.52	0.58	0.53	0.50	0.58	0.52	0.47	0.56	0.50	0.45	0.41
6	0.51	0.48	0.46	0.51	0.48	0.45	0.52	0.47	0.43	0.52	0.46	0.41	0.51	0.45	0.39	0.36
7	0.45	0.42	0.41	0.46	0.42	0.40	0.47	0.42	0.38	0.47	0.41	0.37	0.47	0.40	0.35	0.32
8	0.40	0.38	0.36	0.41	0.38	0.36	0.43	0.38	0.34	0.43	0.37	0.33	0.43	0.37	0.31	0.28
9	0.37	0.34	0.33	0.38	0.34	0.32	0.39	0.34	0.31	0.40	0.34	0.30	0.40	0.33	0.28	0.25
10	0.33	0.31	0.30	0.34	0.31	0.29	0.36	0.31	0.28	0.37	0.31	0.27	0.37	0.31	0.26	0.23

