

Luminaire Property

Luminaire: RH-D01 22W 3000K

Report NO.:

Test NO.: HLB210908

Lamp:

Sum Lumens: 1588.28 lm

Number of Lamps: 1

Diameter: 380mm

Length: mm

Photometric Type: Type C

Voltage: 230.0 V

Current: 0.089 A

Power: 19.3 W

Power Factor: 0.944

Ballast Type: EBP021C0250C1 56-85V 250mA

Width: 380mm

Height: 100mm

Remark: 48pcs SMD5730 2B24C 白色铝银边

Photometric Results

Lumens: 1588.28 lm

Efficiency: 82.2943 lm/W

Central Intensity: 569.948cd

Maximum Intensity: 570.374cd

Angle of maximum intensity: C:135.0 G:1.0

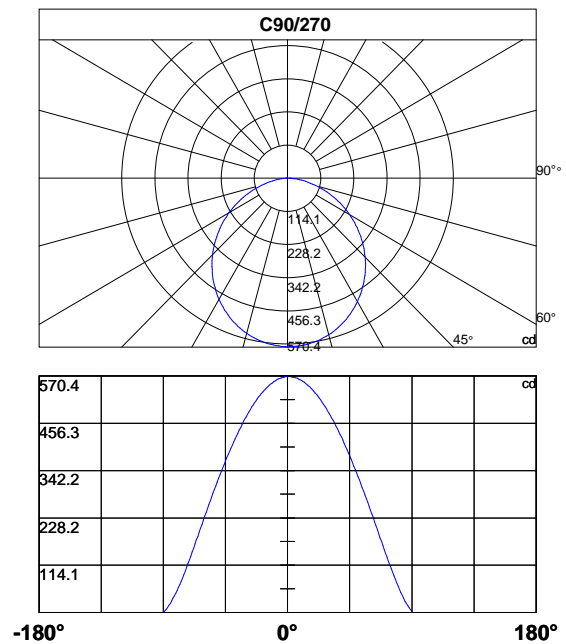
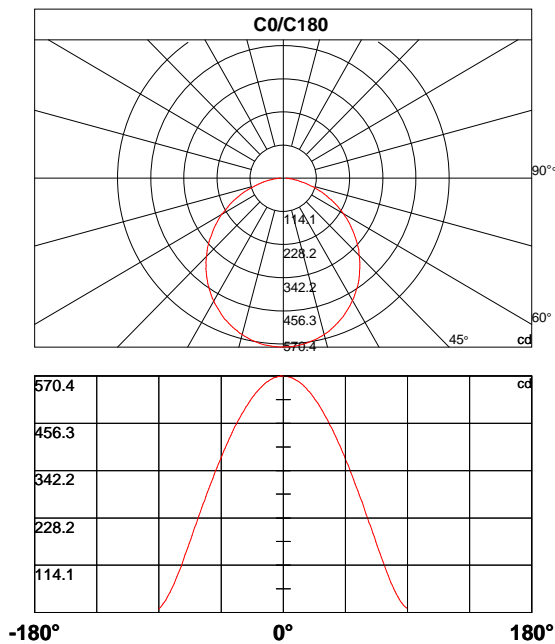
Half Peak Side Angle(50%): Left: -55.9 Right:54.4

Light Out Rate(LOR) : 100.00%

Up Flux Rate: 0.0%

Down Flux Rate: 100.0%

Beam Angle(10%): Left: -81.0 Right:79.8



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	569.9	570.1	570.1	569.1	568.4	567.8	566.3	565.1	563.0	561.6
45.0	569.9	568.9	568.8	568.4	567.7	567.7	565.9	565.2	563.0	561.7
90.0	569.9	568.9	568.8	568.4	567.7	567.7	565.9	565.2	563.0	561.7
135.0	569.9	570.4	570.2	569.0	569.4	567.7	566.9	565.7	563.9	561.9
180.0	569.9	570.4	570.2	569.0	569.4	567.7	566.9	565.7	563.9	561.9
225.0	569.9	568.8	568.4	566.8	566.6	565.3	564.1	562.6	561.3	558.6
270.0	569.9	568.8	568.4	566.8	566.6	565.3	564.1	562.6	561.3	558.6
315.0	569.9	570.1	570.1	569.1	568.4	567.8	566.3	565.1	563.0	561.6
360.0	569.9	570.1	570.1	569.1	568.4	567.8	566.3	565.1	563.0	561.6

C\G	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	558.9	557.1	555.3	551.9	549.3	546.4	543.1	539.9	535.4	531.9
45.0	559.6	557.7	555.8	552.6	550.2	546.9	544.8	540.9	537.3	533.5
90.0	559.6	557.7	555.8	552.6	550.2	546.9	544.8	540.9	537.3	533.5
135.0	559.8	557.5	555.8	552.8	550.1	546.6	543.8	539.4	536.4	533.0
180.0	559.8	557.5	555.8	552.8	550.1	546.6	543.8	539.4	536.4	533.0
225.0	556.7	553.9	551.7	548.7	545.7	543.0	539.3	535.5	532.0	528.4
270.0	556.7	553.9	551.7	548.7	545.7	543.0	539.3	535.5	532.0	528.4
315.0	558.9	557.1	555.3	551.9	549.3	546.4	543.1	539.9	535.4	531.9
360.0	558.9	557.1	555.3	551.9	549.3	546.4	543.1	539.9	535.4	531.9

C\G	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	527.8	523.0	519.2	513.9	509.8	504.6	499.1	493.6	488.3	482.5
45.0	529.6	525.7	521.7	517.6	512.5	507.5	502.7	497.1	492.4	486.5
90.0	529.6	525.7	521.7	517.6	512.5	507.5	502.7	497.1	492.4	486.5
135.0	528.7	524.5	520.2	516.3	510.6	506.0	500.3	495.4	489.4	484.3
180.0	528.7	524.5	520.2	516.3	510.6	506.0	500.3	495.4	489.4	484.3
225.0	523.8	519.8	514.7	509.7	504.6	499.9	495.4	489.3	483.6	477.7
270.0	523.8	519.8	514.7	509.7	504.6	499.9	495.4	489.3	483.6	477.7
315.0	527.8	523.0	519.2	513.9	509.8	504.6	499.1	493.6	488.3	482.5
360.0	527.8	523.0	519.2	513.9	509.8	504.6	499.1	493.6	488.3	482.5

C\G	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	476.9	471.1	464.6	458.2	451.1	445.6	438.8	431.3	423.9	416.6
45.0	480.7	474.5	468.5	463.0	457.2	450.0	443.2	436.6	429.2	423.1
90.0	480.7	474.5	468.5	463.0	457.2	450.0	443.2	436.6	429.2	423.1
135.0	478.7	472.8	466.7	459.8	453.8	447.4	440.8	433.8	426.8	419.4
180.0	478.7	472.8	466.7	459.8	453.8	447.4	440.8	433.8	426.8	419.4
225.0	471.7	466.0	460.3	453.6	446.6	439.7	432.5	426.4	418.9	411.9
270.0	471.7	466.0	460.3	453.6	446.6	439.7	432.5	426.4	418.9	411.9
315.0	476.9	471.1	464.6	458.2	451.1	445.6	438.8	431.3	423.9	416.6
360.0	476.9	471.1	464.6	458.2	451.1	445.6	438.8	431.3	423.9	416.6

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	408.8	402.4	394.6	386.7	378.8	369.9	362.2	354.9	345.9	337.3
45.0	415.8	408.0	400.5	392.7	385.1	378.1	369.7	361.5	352.9	344.2
90.0	415.8	408.0	400.5	392.7	385.1	378.1	369.7	361.5	352.9	344.2
135.0	411.8	405.2	396.5	389.9	381.1	373.9	364.9	358.2	350.0	341.2
180.0	411.8	405.2	396.5	389.9	381.1	373.9	364.9	358.2	350.0	341.2
225.0	403.6	396.2	388.3	381.2	373.3	364.7	356.5	347.7	339.3	332.3
270.0	403.6	396.2	388.3	381.2	373.3	364.7	356.5	347.7	339.3	332.3
315.0	408.8	402.4	394.6	386.7	378.8	369.9	362.2	354.9	345.9	337.3
360.0	408.8	402.4	394.6	386.7	378.8	369.9	362.2	354.9	345.9	337.3

C\G	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	328.3	319.6	310.5	302.8	293.4	284.1	275.4	266.9	257.5	247.6
45.0	336.9	327.9	319.6	310.3	301.3	292.6	283.1	275.3	265.4	256.1
90.0	336.9	327.9	319.6	310.3	301.3	292.6	283.1	275.3	265.4	256.1
135.0	332.4	323.7	314.7	306.4	297.9	288.4	279.4	269.7	261.8	252.5
180.0	332.4	323.7	314.7	306.4	297.9	288.4	279.4	269.7	261.8	252.5
225.0	322.9	314.5	305.3	295.9	287.9	278.8	269.6	260.1	250.0	240.5
270.0	322.9	314.5	305.3	295.9	287.9	278.8	269.6	260.1	250.0	240.5
315.0	328.3	319.6	310.5	302.8	293.4	284.1	275.4	266.9	257.5	247.6
360.0	328.3	319.6	310.5	302.8	293.4	284.1	275.4	266.9	257.5	247.6

C\G	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	238.1	228.2	218.1	210.2	200.3	190.7	181.0	170.7	161.3	150.8
45.0	246.4	237.0	229.0	218.8	210.1	199.8	190.1	179.7	171.7	161.9
90.0	246.4	237.0	229.0	218.8	210.1	199.8	190.1	179.7	171.7	161.9
135.0	243.0	233.0	223.6	214.0	205.5	195.9	186.2	176.5	166.9	157.5
180.0	243.0	233.0	223.6	214.0	205.5	195.9	186.2	176.5	166.9	157.5
225.0	232.4	222.6	212.4	203.3	193.5	183.2	175.5	165.3	155.5	145.8
270.0	232.4	222.6	212.4	203.3	193.5	183.2	175.5	165.3	155.5	145.8
315.0	238.1	228.2	218.1	210.2	200.3	190.7	181.0	170.7	161.3	150.8
360.0	238.1	228.2	218.1	210.2	200.3	190.7	181.0	170.7	161.3	150.8

C\G	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	143.2	133.7	123.6	114.9	106.4	97.6	88.8	80.5	72.1	64.7
45.0	152.1	142.7	133.3	123.6	115.8	106.3	98.0	88.2	80.2	72.0
90.0	152.1	142.7	133.3	123.6	115.8	106.3	98.0	88.2	80.2	72.0
135.0	149.1	139.4	129.7	120.3	111.2	102.3	95.1	85.6	78.1	69.3
180.0	149.1	139.4	129.7	120.3	111.2	102.3	95.1	85.6	78.1	69.3
225.0	136.0	127.2	118.3	109.7	100.3	91.4	82.9	75.8	68.2	60.4
270.0	136.0	127.2	118.3	109.7	100.3	91.4	82.9	75.8	68.2	60.4
315.0	143.2	133.7	123.6	114.9	106.4	97.6	88.8	80.5	72.1	64.7
360.0	143.2	133.7	123.6	114.9	106.4	97.6	88.8	80.5	72.1	64.7

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	57.2	50.8	44.7	37.8	32.2	27.3	22.2	17.9	14.3	11.0
45.0	63.7	56.0	47.8	41.2	33.6	27.3	22.2	16.5	11.3	6.7
90.0	63.7	56.0	47.8	41.2	33.6	27.3	22.2	16.5	11.3	6.7
135.0	62.0	55.6	48.4	42.0	36.1	30.2	25.1	20.9	16.2	12.1
180.0	62.0	55.6	48.4	42.0	36.1	30.2	25.1	20.9	16.2	12.1
225.0	52.7	46.5	39.6	34.5	28.0	21.8	16.8	11.3	7.5	2.8
270.0	52.7	46.5	39.6	34.5	28.0	21.8	16.8	11.3	7.5	2.8
315.0	57.2	50.8	44.7	37.8	32.2	27.3	22.2	17.9	14.3	11.0
360.0	57.2	50.8	44.7	37.8	32.2	27.3	22.2	17.9	14.3	11.0

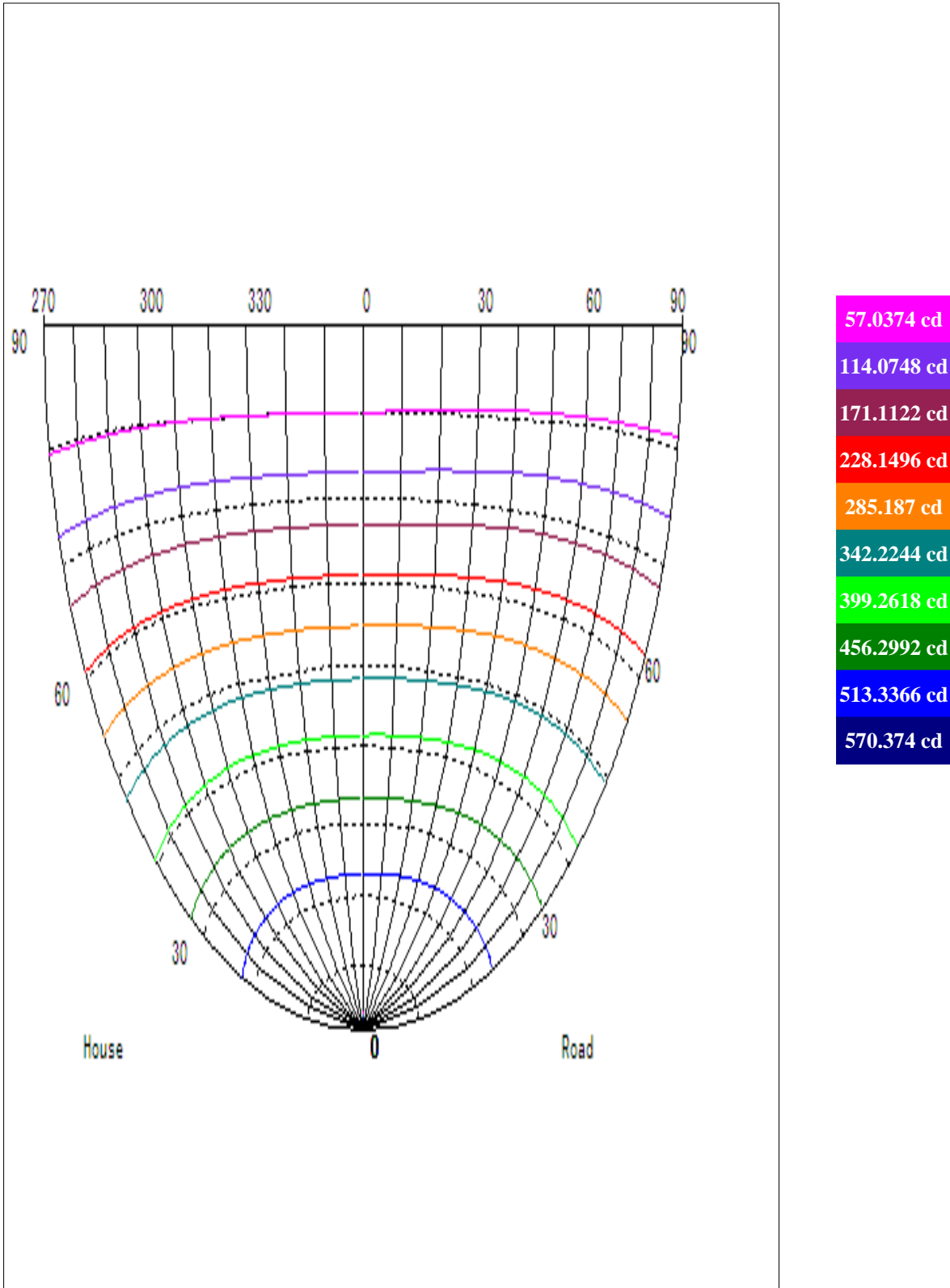
C\G	90.0
0.0	9.3
45.0	3.3
90.0	3.3
135.0	8.3
180.0	8.3
225.0	1.8
270.0	1.8
315.0	9.3
360.0	9.3

Zonal Flux Distribution

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0	569.95	0.00	0.00	0.00	0.00
1	569.53	0.55	0.55	0.03	0.03
2	569.36	1.63	2.18	0.10	0.14
3	568.33	2.72	4.90	0.17	0.31
4	568.02	3.80	8.70	0.24	0.55
5	567.13	4.88	13.59	0.31	0.86
6	565.82	5.95	19.54	0.37	1.23
7	564.64	7.02	26.56	0.44	1.67
8	562.79	8.07	34.63	0.51	2.18
9	560.93	9.11	43.73	0.57	2.75
10	558.78	10.13	53.87	0.64	3.39
11	556.57	11.14	65.01	0.70	4.09
12	554.63	12.15	77.16	0.76	4.86
13	551.52	13.13	90.29	0.83	5.68
14	548.85	14.08	104.37	0.89	6.57
15	545.72	15.03	119.40	0.95	7.52
16	542.75	15.95	135.35	1.00	8.52
17	538.90	16.84	152.19	1.06	9.58
18	535.29	17.71	169.90	1.12	10.70
19	531.67	18.56	188.47	1.17	11.87
20	527.47	19.39	207.85	1.22	13.09
21	523.24	20.18	228.03	1.27	14.36
22	518.93	20.94	248.97	1.32	15.68
23	514.37	21.68	270.65	1.37	17.04
24	509.37	22.38	293.03	1.41	18.45
25	504.50	23.05	316.09	1.45	19.90
26	499.39	23.70	339.78	1.49	21.39
27	493.87	24.30	364.08	1.53	22.92
28	488.41	24.87	388.95	1.57	24.49
29	482.76	25.41	414.36	1.60	26.09
30	476.99	25.91	440.27	1.63	27.72
31	471.11	26.38	466.66	1.66	29.38
32	465.01	26.82	493.48	1.69	31.07
33	458.67	27.21	520.69	1.71	32.78
34	452.17	27.56	548.25	1.74	34.52
35	445.67	27.88	576.14	1.76	36.27
36	438.85	28.16	604.30	1.77	38.05
37	432.04	28.40	632.70	1.79	39.84
38	424.71	28.60	661.30	1.80	41.64
39	417.73	28.76	690.06	1.81	43.45
40	409.99	28.87	718.92	1.82	45.26

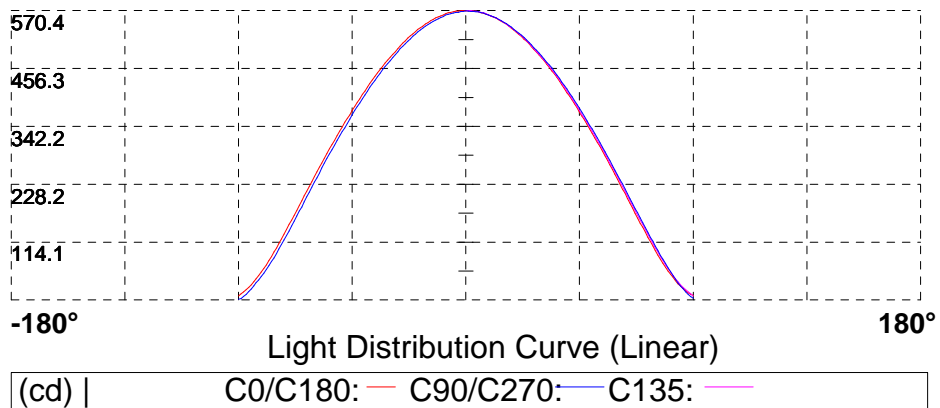
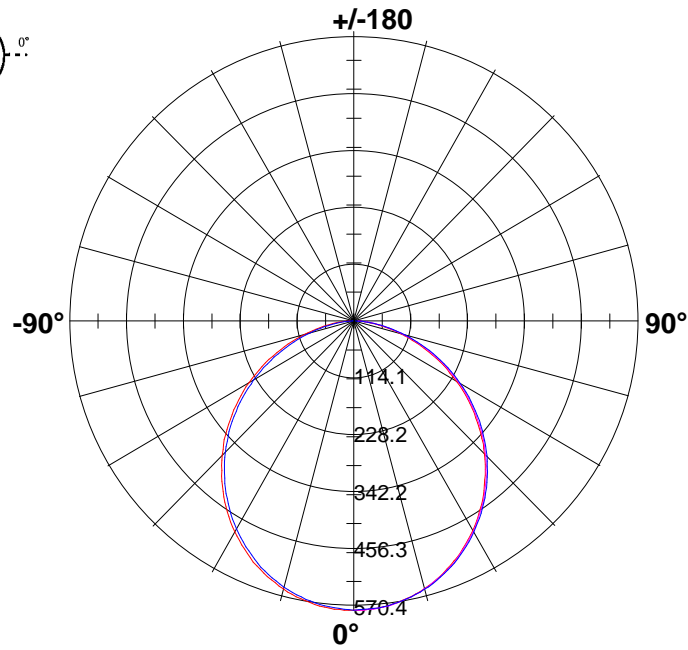
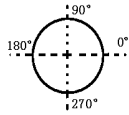
Zonal Flux Distribution

Gamma [°]	lmean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
41	402.95	28.95	747.87	1.82	47.09
42	394.97	28.99	776.86	1.83	48.91
43	387.61	28.99	805.85	1.83	50.74
44	379.57	28.96	834.81	1.82	52.56
45	371.65	28.87	863.68	1.82	54.38
46	363.30	28.74	892.42	1.81	56.19
47	355.60	28.59	921.01	1.80	57.99
48	347.06	28.40	949.42	1.79	59.78
49	338.74	28.16	977.58	1.77	61.55
50	330.14	27.89	1005.47	1.76	63.31
51	321.41	27.57	1033.03	1.74	65.04
52	312.49	27.20	1060.23	1.71	66.75
53	303.86	26.81	1087.05	1.69	68.44
54	295.14	26.40	1113.45	1.66	70.10
55	285.97	25.94	1139.39	1.63	71.74
56	276.88	25.43	1164.82	1.60	73.34
57	267.98	24.91	1189.73	1.57	74.91
58	258.68	24.35	1214.09	1.53	76.44
59	249.18	23.74	1237.83	1.49	77.94
60	239.97	23.11	1260.94	1.45	79.39
61	230.19	22.44	1283.38	1.41	80.80
62	220.76	21.73	1305.11	1.37	82.17
63	211.54	21.03	1326.13	1.32	83.49
64	202.34	20.31	1346.44	1.28	84.77
65	192.40	19.54	1365.98	1.23	86.00
66	183.20	18.74	1384.72	1.18	87.18
67	173.06	17.91	1402.63	1.13	88.31
68	163.82	17.07	1419.70	1.07	89.39
69	153.99	16.21	1435.91	1.02	90.41
70	145.11	15.36	1451.27	0.97	91.37
71	135.74	14.52	1465.79	0.91	92.29
72	126.23	13.62	1479.41	0.86	93.15
73	117.15	12.73	1492.14	0.80	93.95
74	108.43	11.86	1503.99	0.75	94.69
75	99.42	10.98	1514.98	0.69	95.38
76	91.18	10.12	1525.09	0.64	96.02
77	82.50	9.26	1534.35	0.58	96.60
78	74.64	8.41	1542.77	0.53	97.13
79	66.60	7.59	1550.35	0.48	97.61
80	58.91	6.77	1557.12	0.43	98.04
81	52.23	6.01	1563.13	0.38	98.42

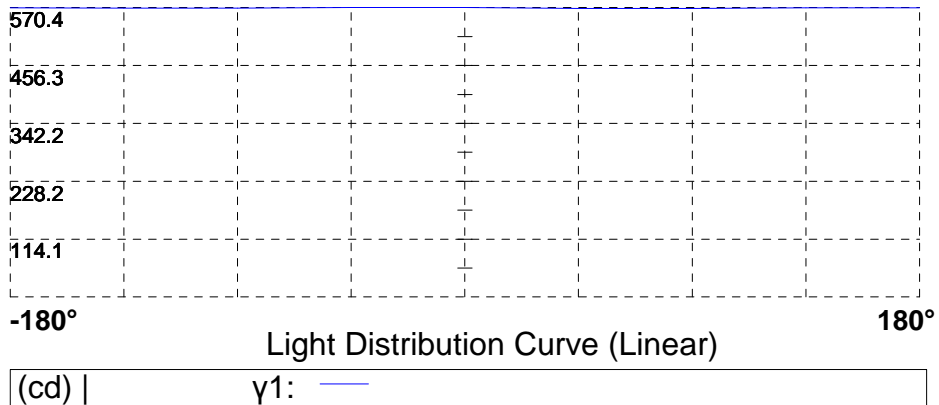
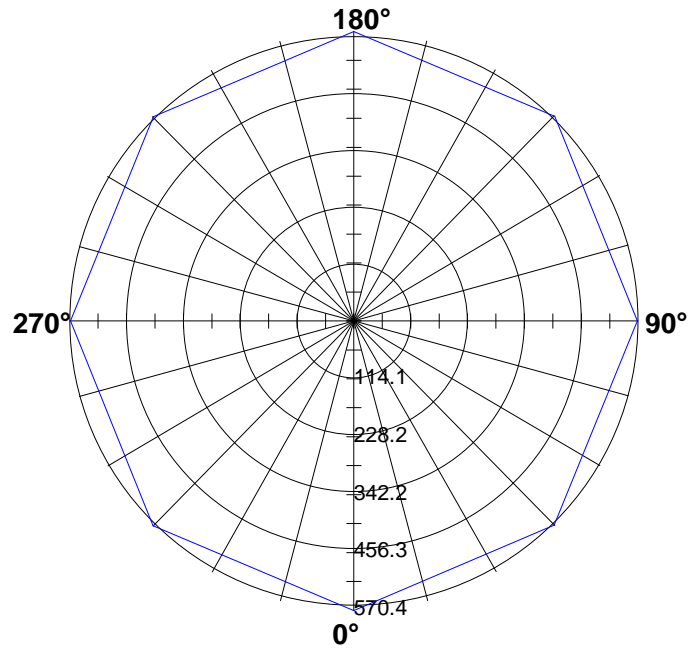


Light Distribution Curve [Unit: cd]

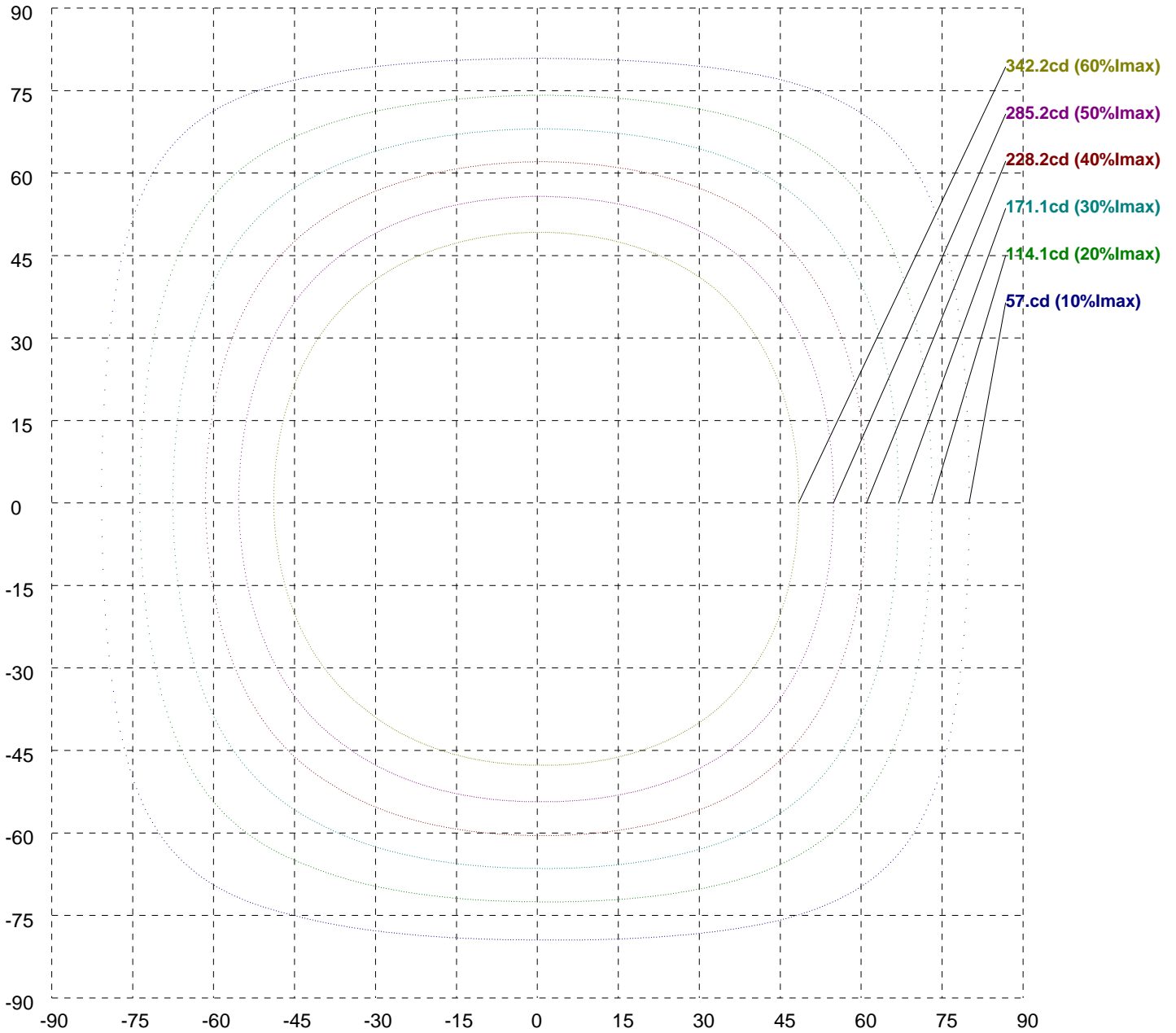
Luminaire



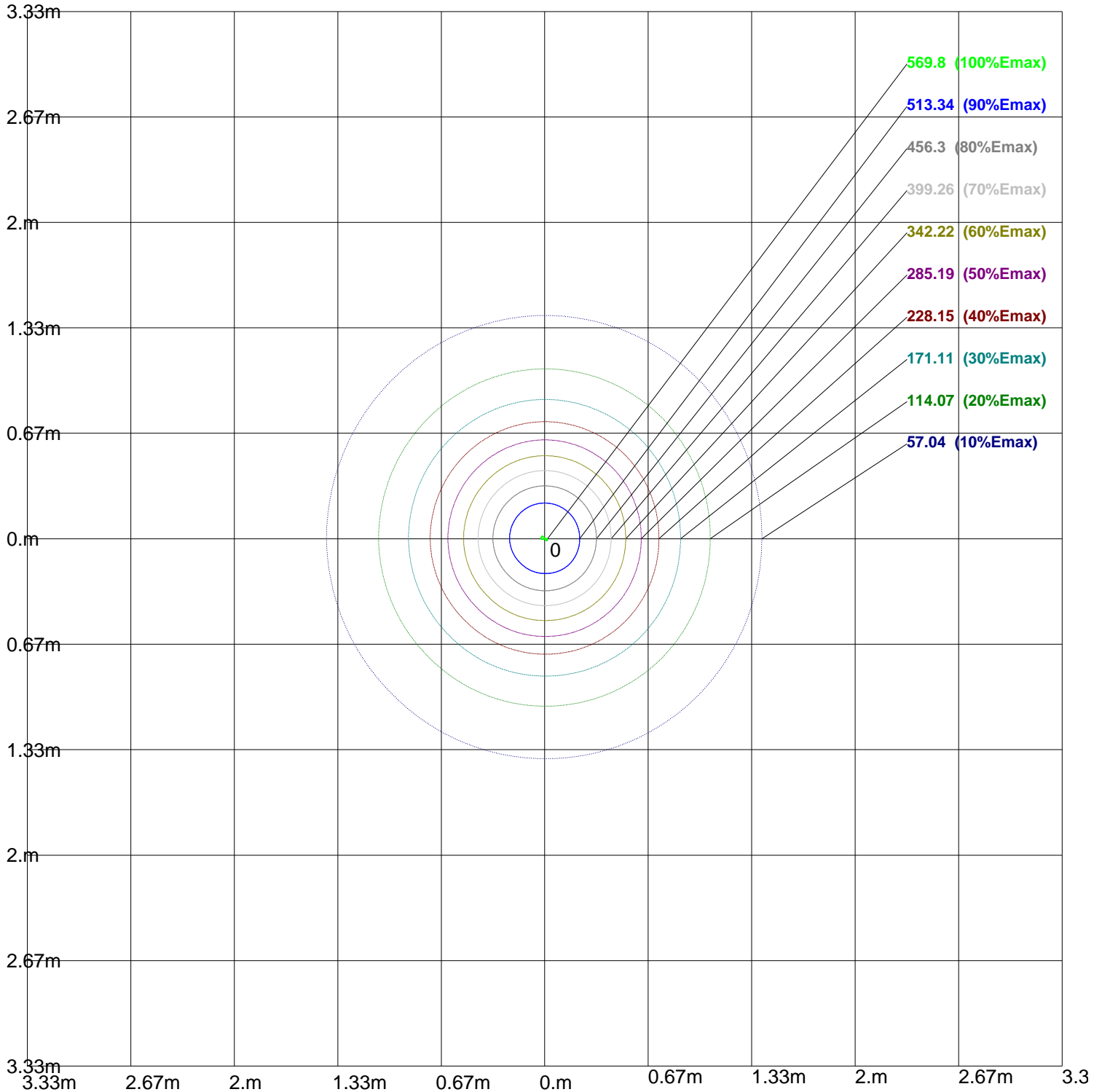
Max Plane Light Distribution Curve [Unit: cd]



等光强曲线 V-H [cd]



Iso-Lux[lx]



Height: 1 m
Max Illuminance : 570.37lx

Luminance Limiting Curve

Diameter: 380mm

Length: mm

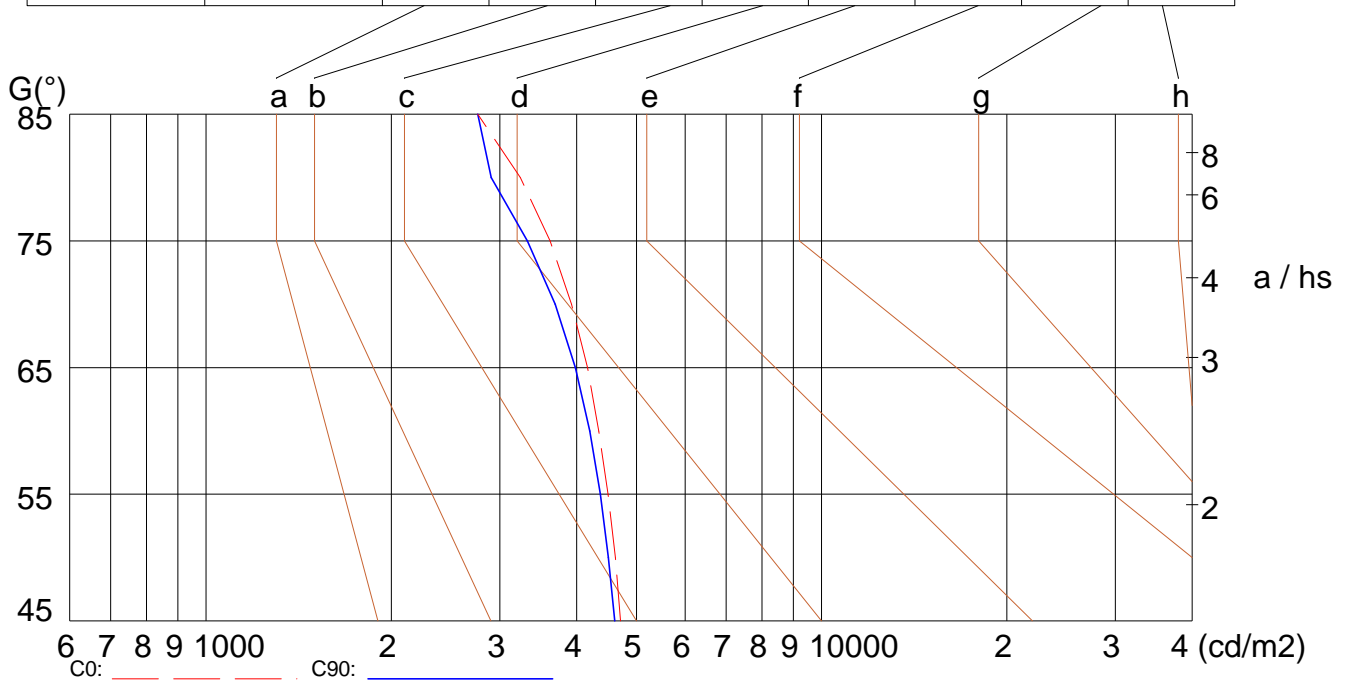
Width: 380mm

Height: 100mm

(cd/m²)

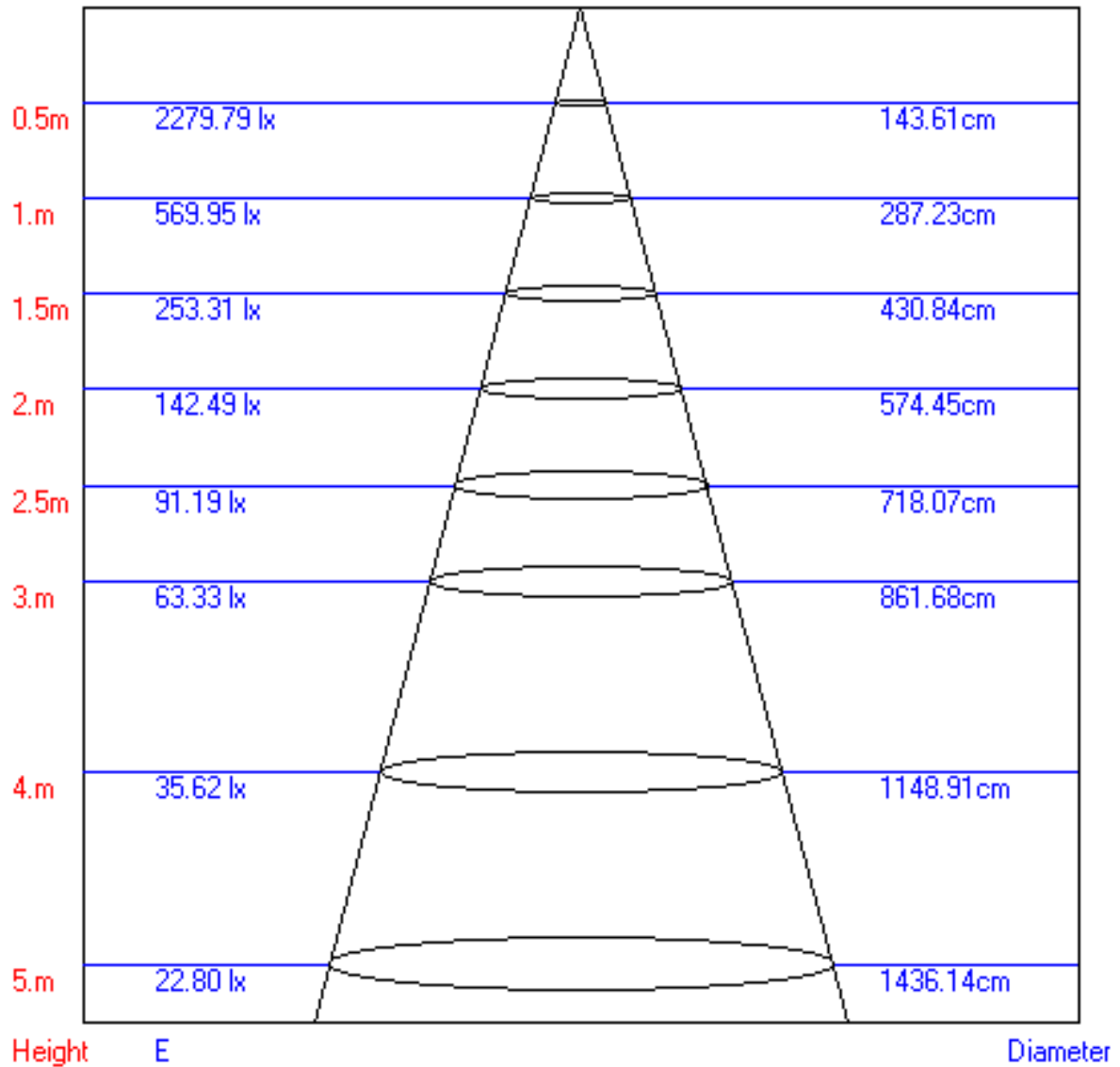
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	4715	4622	4498	4346	4169	3923	3623	3237	2762
C90	4613	4504	4368	4199	3980	3692	3325	2905	2762

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:110.30°

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	0.82	0.79	0.75	0.78	0.74	0.70	0.65
3	0.76	0.73	0.71	0.76	0.72	0.70	0.75	0.70	0.67	0.72	0.68	0.63	0.69	0.64	0.60	0.55
4	0.65	0.63	0.61	0.66	0.62	0.59	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	0.52	0.58	0.54	0.51	0.58	0.53	0.49	0.57	0.52	0.47	0.56	0.50	0.45	0.41
6	0.50	0.48	0.46	0.51	0.47	0.45	0.52	0.47	0.43	0.52	0.46	0.41	0.51	0.44	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	0.42	0.38	0.34	0.43	0.37	0.33	0.43	0.36	0.31	0.28
9	0.36	0.34	0.33	0.37	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	0.30	0.26	0.23

