Luminaire Property

Luminaire:

Report NO.: BD-0101A-6W
Test NO.:
Lamp:
Sum Lumens: 525.67 lm
Number of Lamps: 1
Diameter: 200mm
Length: mm
Photometric Type: Type C

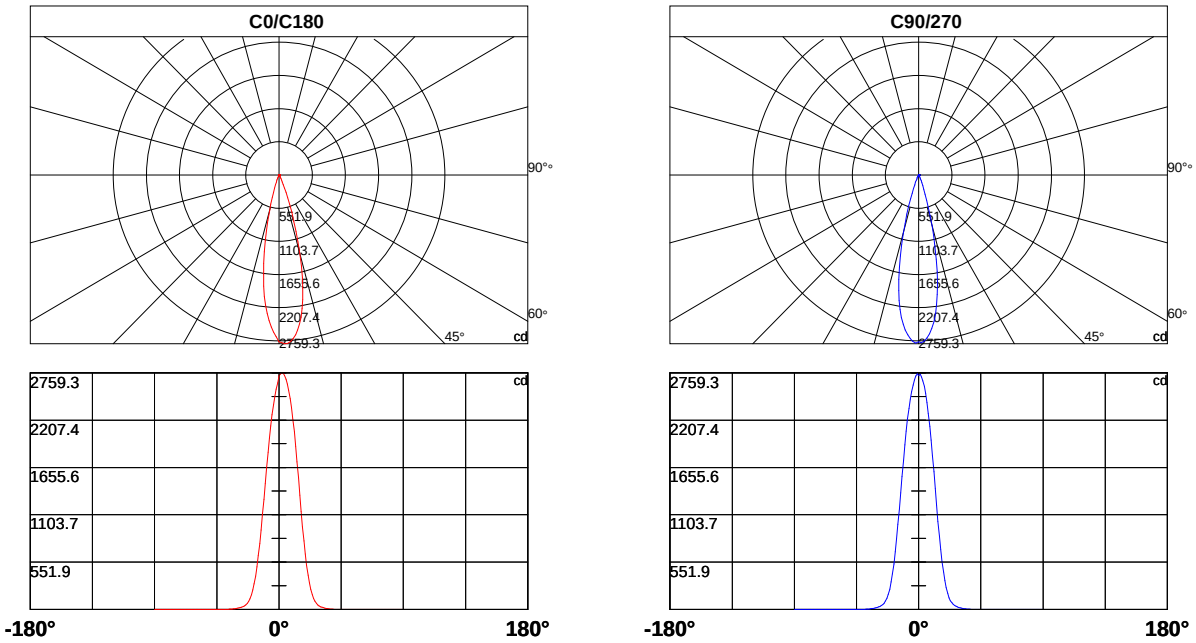
Voltage: 221.9 V
Current: 0.055 A
Power: 6.8 W
Power Factor: 0.559
Ballast Type:
Width: 200mm
Height: mm
Remark:

Photometric Results

Lumens: 525.67 lm
Efficiency: 77.3044 lm/W
Central Intensity: 2725.079cd
Maximum Intensity: 2759.309cd

Beam Angle(10%): Left: -20.3 Right:20.4

Angle of maximum intensity: C:0.0 G:2.0
Half Peak Side Angle(50%): Left: -12.5 Right:12.8
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	2725.1	2742.8	2759.3	2755.5	2729.5	2685.2	2627.1	2553.6	2456.4	2350.8
45.0	2725.1	2742.3	2711.6	2666.9	2600.9	2517.7	2409.8	2283.9	2134.5	1974.9
90.0	2725.1	2742.3	2711.6	2666.9	2600.9	2517.7	2409.8	2283.9	2134.5	1974.9
135.0	2725.1	2643.1	2570.1	2487.6	2387.5	2271.5	2140.9	1995.3	1832.5	1647.0
180.0	2725.1	2643.1	2570.1	2487.6	2387.5	2271.5	2140.9	1995.3	1832.5	1647.0
225.0	2725.1	2748.2	2722.9	2676.3	2614.6	2539.6	2451.4	2345.0	2221.1	2078.0
270.0	2725.1	2748.2	2722.9	2676.3	2614.6	2539.6	2451.4	2345.0	2221.1	2078.0
315.0	2725.1	2742.8	2759.3	2755.5	2729.5	2685.2	2627.1	2553.6	2456.4	2350.8
360.0	2725.1	2742.8	2759.3	2755.5	2729.5	2685.2	2627.1	2553.6	2456.4	2350.8

C\G	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	2218.2	2074.8	1901.5	1718.6	1532.8	1331.2	1141.5	962.5	798.2	645.8
45.0	1795.7	1603.1	1409.6	1214.1	1026.7	855.4	698.2	556.5	435.1	334.6
90.0	1795.7	1603.1	1409.6	1214.1	1026.7	855.4	698.2	556.5	435.1	334.6
135.0	1466.6	1282.6	1102.4	923.8	769.2	628.6	496.6	386.3	298.1	226.0
180.0	1466.6	1282.6	1102.4	923.8	769.2	628.6	496.6	386.3	298.1	226.0
225.0	1919.1	1739.4	1548.6	1358.1	1172.3	992.3	822.4	669.8	530.7	413.2
270.0	1919.1	1739.4	1548.6	1358.1	1172.3	992.3	822.4	669.8	530.7	413.2
315.0	2218.2	2074.8	1901.5	1718.6	1532.8	1331.2	1141.5	962.5	798.2	645.8
360.0	2218.2	2074.8	1901.5	1718.6	1532.8	1331.2	1141.5	962.5	798.2	645.8

C\G	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	511.8	399.6	307.2	232.4	172.0	127.7	94.7	69.6	52.2	40.0
45.0	251.8	186.5	135.4	101.3	76.2	58.1	45.2	35.9	28.7	22.6
90.0	251.8	186.5	135.4	101.3	76.2	58.1	45.2	35.9	28.7	22.6
135.0	169.1	124.1	92.9	69.2	52.9	41.1	32.1	26.0	21.0	17.0
180.0	169.1	124.1	92.9	69.2	52.9	41.1	32.1	26.0	21.0	17.0
225.0	318.7	236.2	174.3	129.3	94.3	70.5	54.9	43.2	33.7	26.9
270.0	318.7	236.2	174.3	129.3	94.3	70.5	54.9	43.2	33.7	26.9
315.0	511.8	399.6	307.2	232.4	172.0	127.7	94.7	69.6	52.2	40.0
360.0	511.8	399.6	307.2	232.4	172.0	127.7	94.7	69.6	52.2	40.0

C\G	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	31.4	24.6	19.2	15.4	12.2	8.4	6.3	4.1	2.5	0.9
45.0	17.6	14.2	10.6	7.9	5.4	3.4	1.6	0.7	0.2	0.0
90.0	17.6	14.2	10.6	7.9	5.4	3.4	1.6	0.7	0.2	0.0
135.0	13.3	10.4	7.9	5.4	3.8	1.8	0.7	0.2	0.2	0.0
180.0	13.3	10.4	7.9	5.4	3.8	1.8	0.7	0.2	0.2	0.0
225.0	22.6	17.9	13.8	10.9	8.1	5.4	3.2	1.4	0.7	0.0
270.0	22.6	17.9	13.8	10.9	8.1	5.4	3.2	1.4	0.7	0.0
315.0	31.4	24.6	19.2	15.4	12.2	8.4	6.3	4.1	2.5	0.9
360.0	31.4	24.6	19.2	15.4	12.2	8.4	6.3	4.1	2.5	0.9

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	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.0	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
135.0	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
225.0	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
315.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
360.0	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

C\G	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.0	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
135.0	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
225.0	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
315.0	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\G	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.0	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
135.0	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
225.0	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
315.0	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\G	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.0	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
135.0	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
225.0	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
315.0	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

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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.0	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
135.0	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
225.0	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
315.0	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\G	90.0
0.0	0.0
45.0	0.0
90.0	0.0
135.0	0.0
180.0	0.0
225.0	0.0
270.0	0.0
315.0	0.0
360.0	0.0

Zonal Flux Distribution

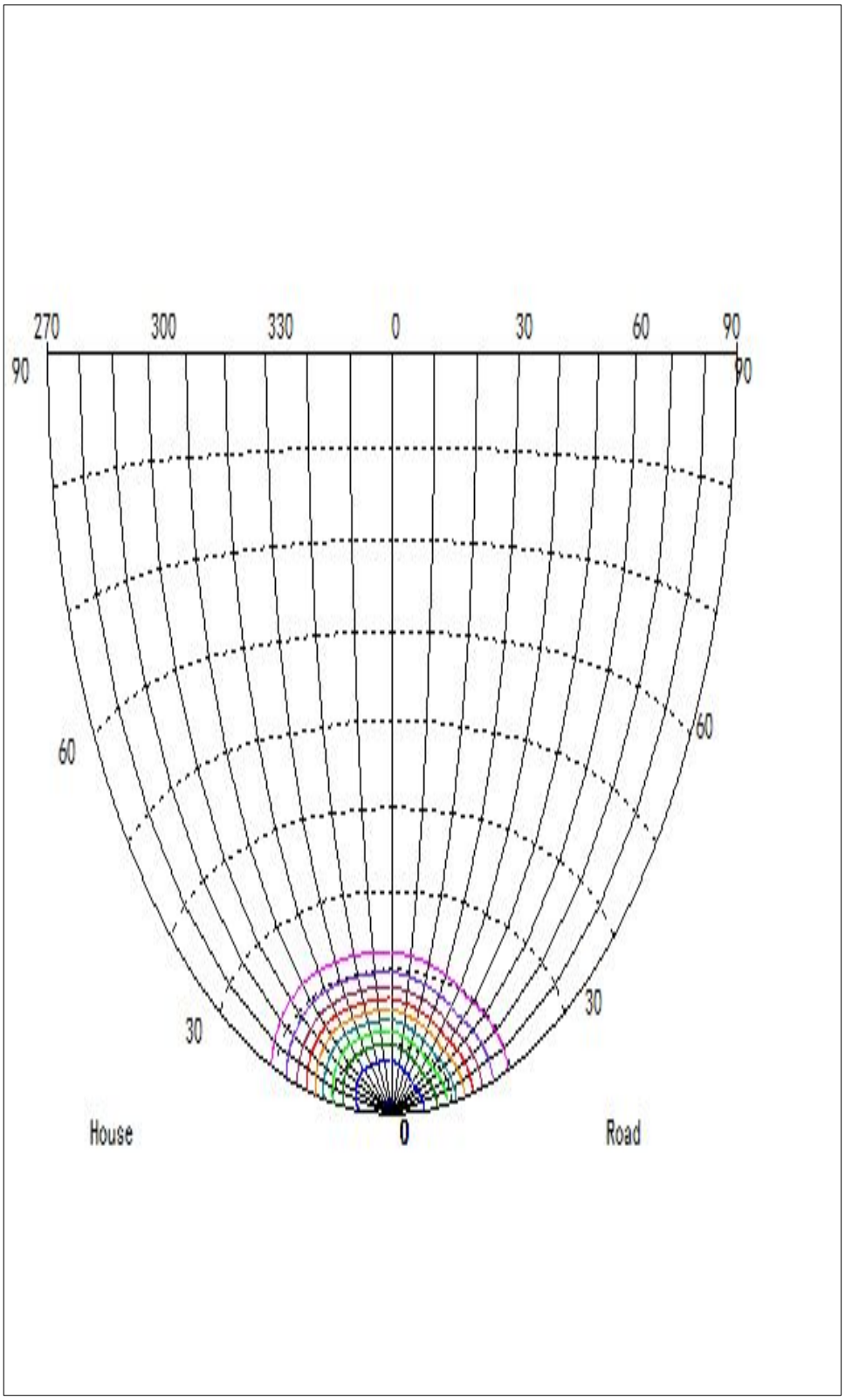
Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0	2725.08	0.00	0.00	0.00	0.00
1	2719.13	2.60	2.60	0.50	0.50
2	2690.99	7.77	10.37	1.48	1.97
3	2646.57	12.77	23.14	2.43	4.40
4	2583.11	17.51	40.64	3.33	7.73
5	2503.48	21.88	62.52	4.16	11.89
6	2407.30	25.81	88.33	4.91	16.80
7	2294.45	29.18	117.51	5.55	22.36
8	2161.14	31.89	149.40	6.07	28.42
9	2012.69	33.83	183.23	6.43	34.86
10	1849.88	34.95	218.18	6.65	41.51
11	1674.97	35.22	253.40	6.70	48.21
12	1490.53	34.60	288.01	6.58	54.79
13	1303.65	33.16	321.17	6.31	61.10
14	1125.25	31.09	352.26	5.91	67.01
15	951.87	28.52	380.77	5.42	72.44
16	789.68	25.52	406.29	4.85	77.29
17	643.76	22.32	428.61	4.25	81.54
18	515.55	19.11	447.73	3.64	85.17
19	404.90	16.01	463.74	3.05	88.22
20	312.85	13.14	476.88	2.50	90.72
21	236.61	10.55	487.43	2.01	92.73
22	177.45	8.32	495.75	1.58	94.31
23	133.03	6.51	502.27	1.24	95.55
24	98.83	5.07	507.33	0.96	96.51
25	74.37	3.94	511.27	0.75	97.26
26	56.74	3.09	514.37	0.59	97.85
27	43.68	2.46	516.82	0.47	98.32
28	33.91	1.96	518.79	0.37	98.69
29	26.62	1.58	520.37	0.30	98.99
30	21.25	1.29	521.67	0.25	99.24
31	16.78	1.06	522.72	0.20	99.44
32	12.88	0.85	523.57	0.16	99.60
33	9.89	0.67	524.24	0.13	99.73
34	7.40	0.52	524.77	0.10	99.83
35	4.75	0.38	525.14	0.07	99.90
36	2.94	0.24	525.39	0.05	99.95
37	1.58	0.15	525.54	0.03	99.97
38	0.91	0.08	525.62	0.02	99.99
39	0.23	0.04	525.66	0.01	100.00
40	0.06	0.01	525.67	0.00	100.00

Zonal Flux Distribution

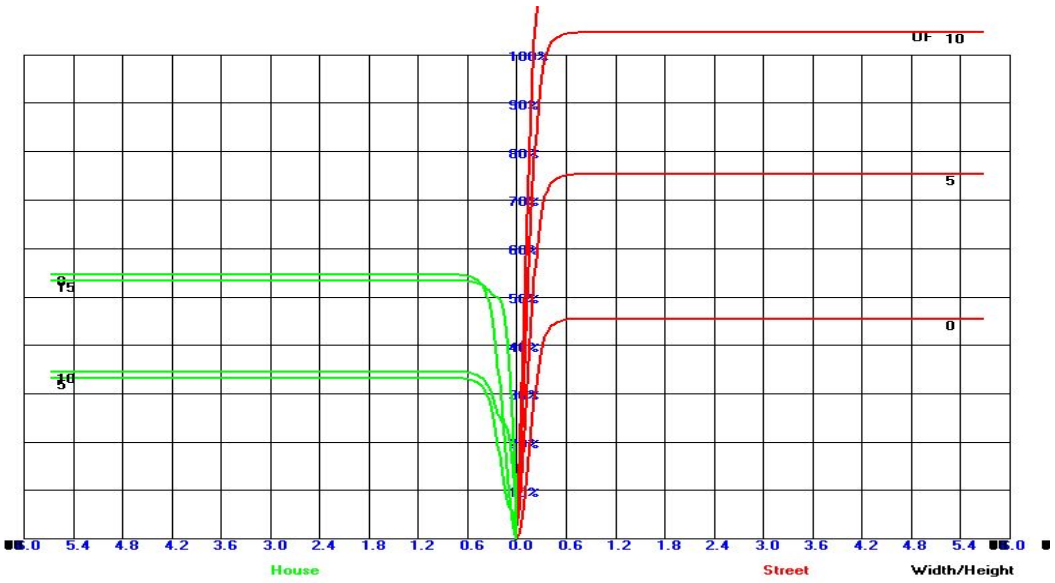
Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
41	0.00	0.00	525.67	0.00	100.00
42	0.00	0.00	525.67	0.00	100.00
43	0.00	0.00	525.67	0.00	100.00
44	0.00	0.00	525.67	0.00	100.00
45	0.00	0.00	525.67	0.00	100.00
46	0.00	0.00	525.67	0.00	100.00
47	0.00	0.00	525.67	0.00	100.00
48	0.00	0.00	525.67	0.00	100.00
49	0.00	0.00	525.67	0.00	100.00
50	0.00	0.00	525.67	0.00	100.00
51	0.00	0.00	525.67	0.00	100.00
52	0.00	0.00	525.67	0.00	100.00
53	0.00	0.00	525.67	0.00	100.00
54	0.00	0.00	525.67	0.00	100.00
55	0.00	0.00	525.67	0.00	100.00
56	0.00	0.00	525.67	0.00	100.00
57	0.00	0.00	525.67	0.00	100.00
58	0.00	0.00	525.67	0.00	100.00
59	0.00	0.00	525.67	0.00	100.00
60	0.00	0.00	525.67	0.00	100.00
61	0.00	0.00	525.67	0.00	100.00
62	0.00	0.00	525.67	0.00	100.00
63	0.00	0.00	525.67	0.00	100.00
64	0.00	0.00	525.67	0.00	100.00
65	0.00	0.00	525.67	0.00	100.00
66	0.00	0.00	525.67	0.00	100.00
67	0.00	0.00	525.67	0.00	100.00
68	0.00	0.00	525.67	0.00	100.00
69	0.00	0.00	525.67	0.00	100.00
70	0.00	0.00	525.67	0.00	100.00
71	0.00	0.00	525.67	0.00	100.00
72	0.00	0.00	525.67	0.00	100.00
73	0.00	0.00	525.67	0.00	100.00
74	0.00	0.00	525.67	0.00	100.00
75	0.00	0.00	525.67	0.00	100.00
76	0.00	0.00	525.67	0.00	100.00
77	0.00	0.00	525.67	0.00	100.00
78	0.00	0.00	525.67	0.00	100.00
79	0.00	0.00	525.67	0.00	100.00
80	0.00	0.00	525.67	0.00	100.00
81	0.00	0.00	525.67	0.00	100.00

Zonal Flux Distribution

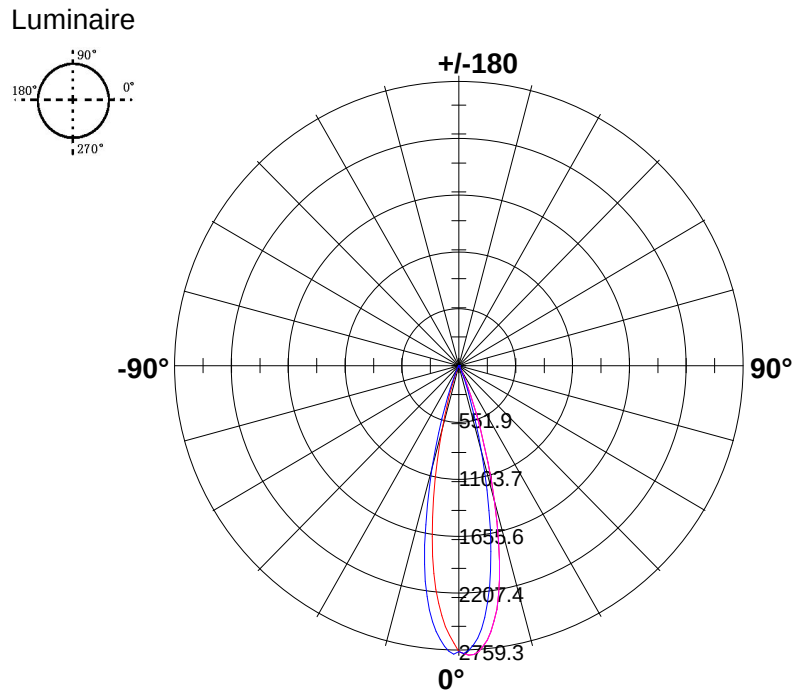
Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
82	0.00	0.00	525.67	0.00	100.00
83	0.00	0.00	525.67	0.00	100.00
84	0.00	0.00	525.67	0.00	100.00
85	0.00	0.00	525.67	0.00	100.00
86	0.00	0.00	525.67	0.00	100.00
87	0.00	0.00	525.67	0.00	100.00
88	0.00	0.00	525.67	0.00	100.00
89	0.00	0.00	525.67	0.00	100.00
90	0.00	0.00	525.67	0.00	100.00

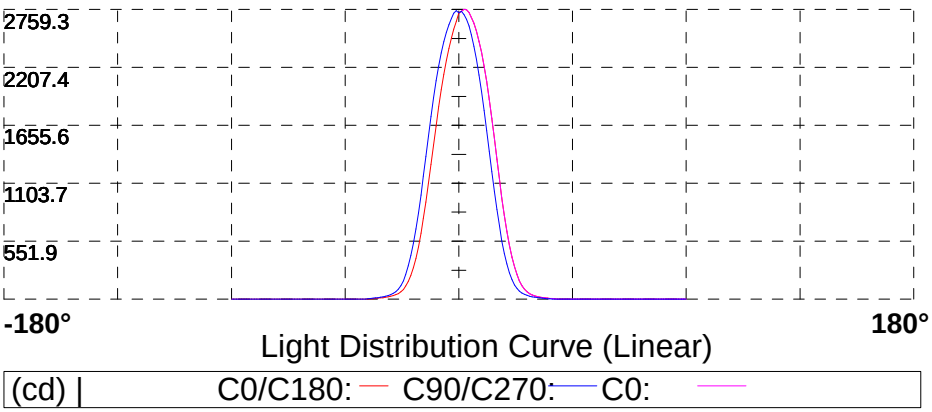

270
300
330
0
30
60
90
90
90
60
60
30
30
House
0
Road
275.9309 cd
551.8618 cd
827.7927 cd
1103.724 cd
1379.655 cd
1655.585 cd
1931.516 cd
2207.447 cd
2483.378 cd
2759.309 cd

Coefficient Utilization Curve

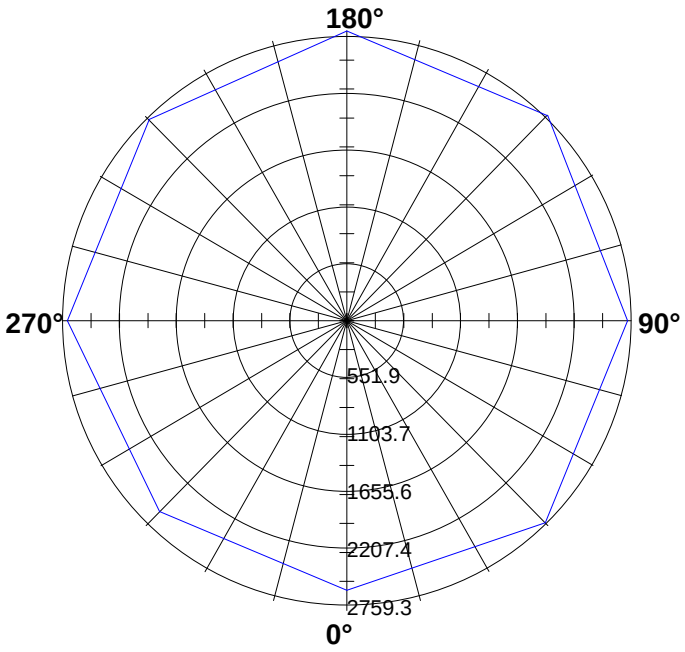


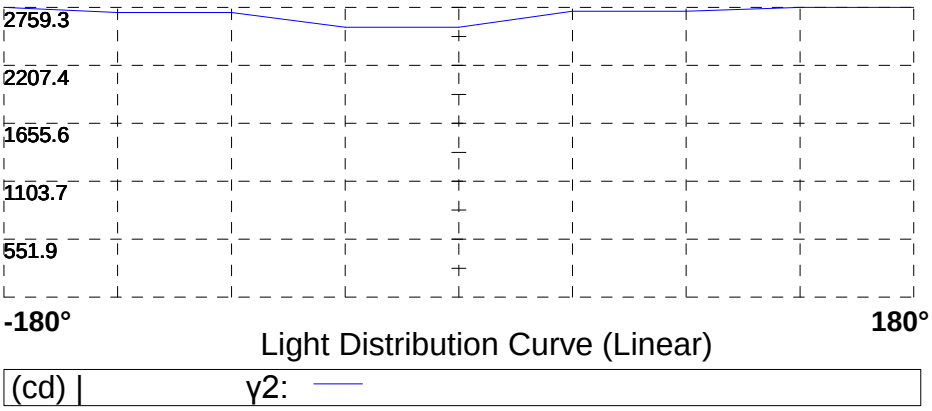
Light Distribution Curve [Unit: cd]



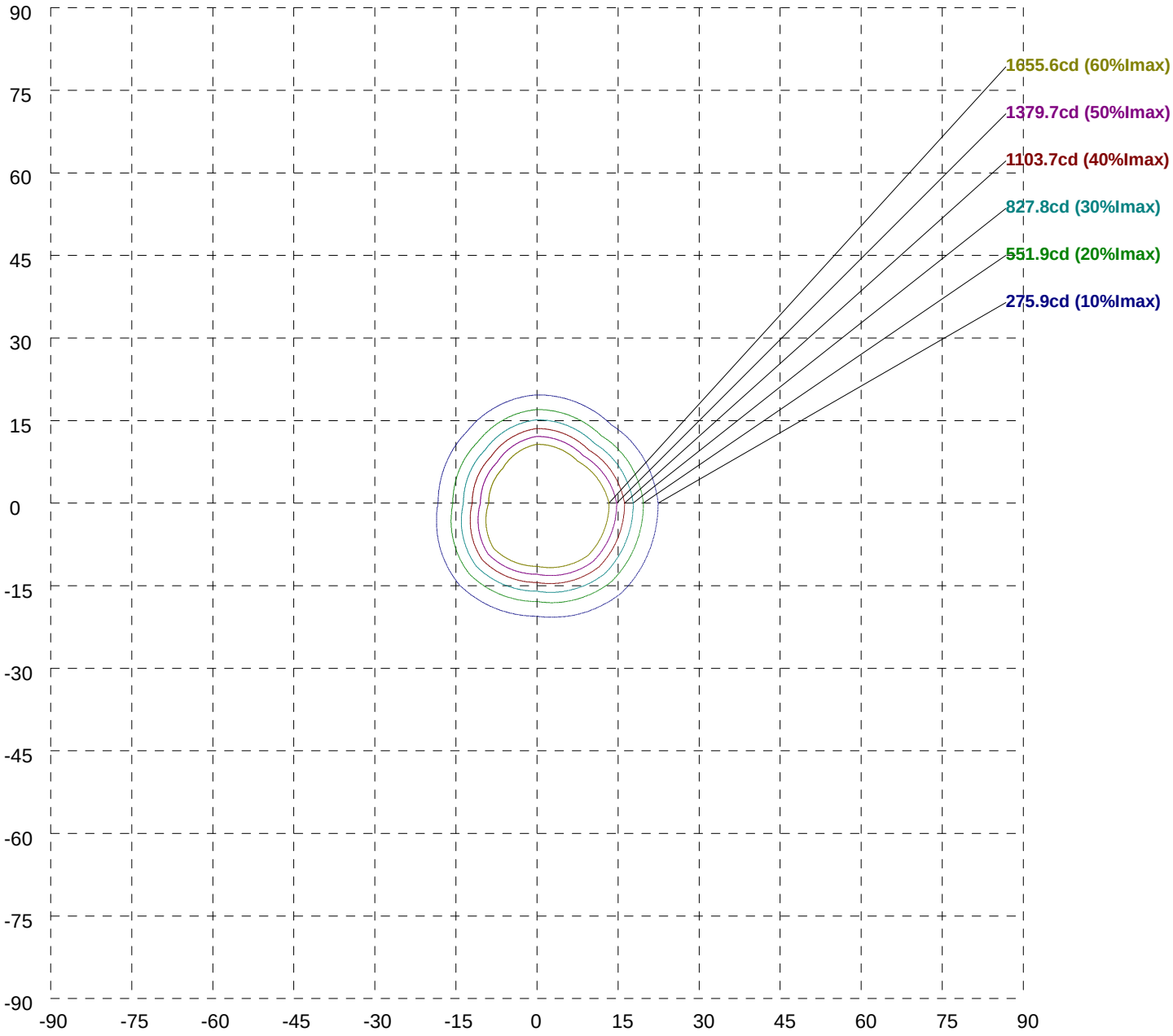


Max Plane Light Distribution Curve [Unit: cd]



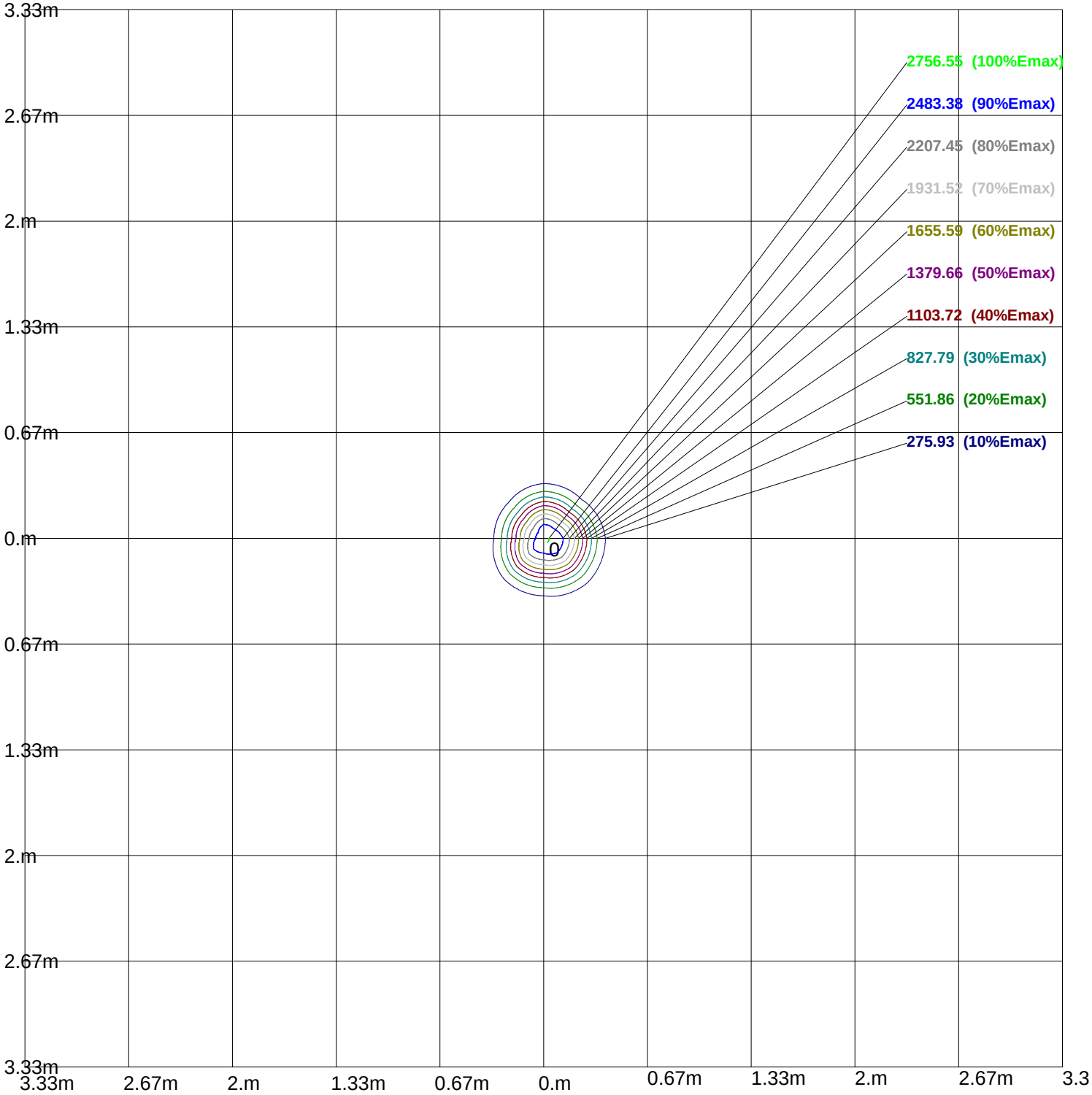


等光强曲线 V-H [cd]



测试设备:LINKCOLOR LCG-GONIO　　测试日期:2021-07-23　　测试人员:Operator
环境温度:25℃　　环境湿度:60%　　报告编号:BD-0101A-6W

Iso-Lux[lx]



Height: 1 m
Max Illuminance : 2759.31lx

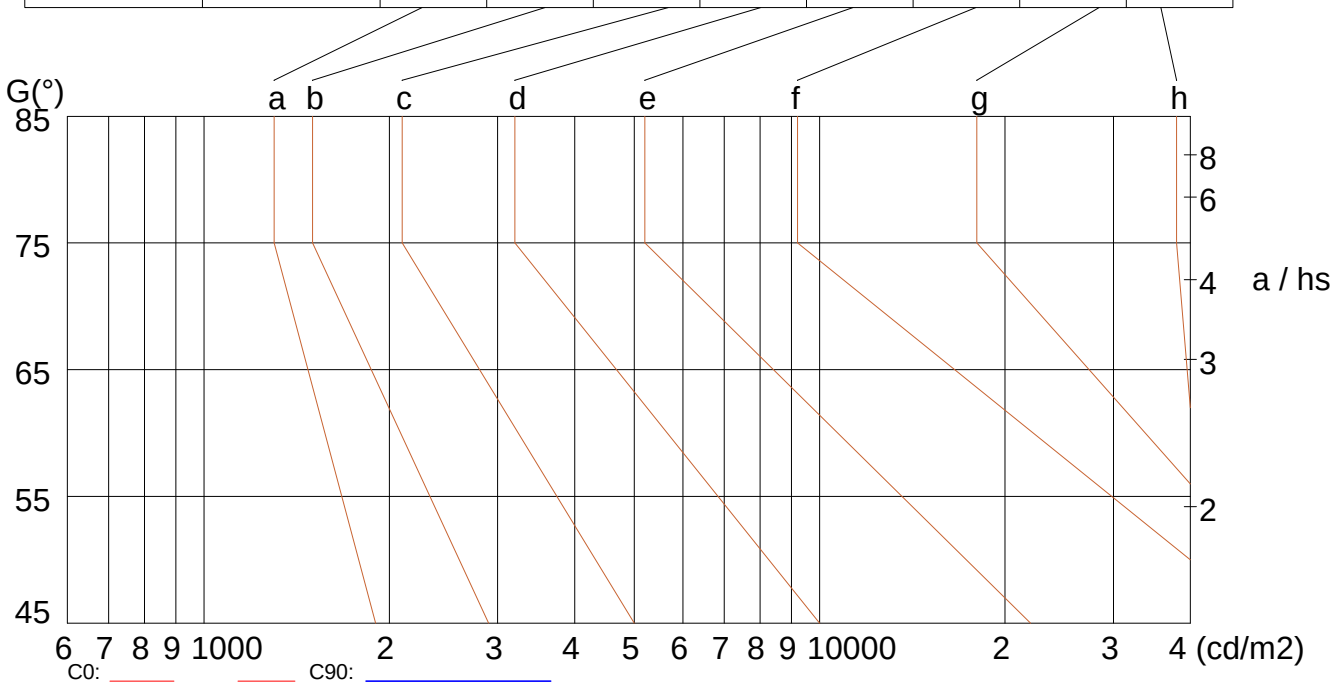
Luminance Limitting Curve

Diameter: 200mm
Length: mm
Width: 200mm
Height: mm

(cd/m2)

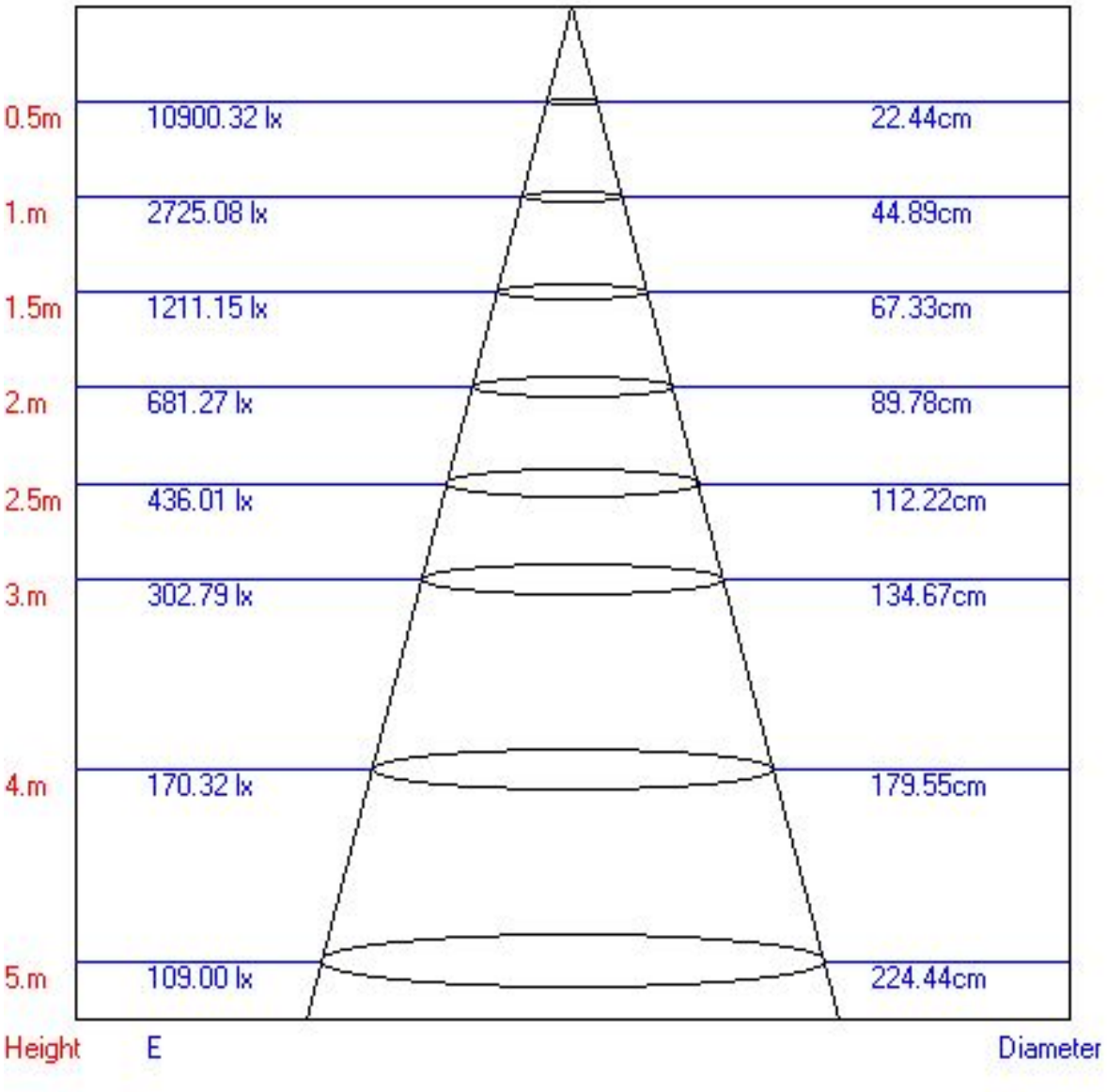
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0									
C90									

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. Limitting Curve (C0/C90)

Lux-Distance Curve



Beam Angle:25.30°

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	COEFFCIENTS 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	1.18	1.17	1.17	1.16	1.15	1.15	1.11	1.11	1.10	1.06	1.05	1.04	0.98	0.97	0.96	0.91
2	1.15	1.14	1.14	1.13	1.12	1.11	1.08	1.07	1.06	1.03	1.02	1.01	0.96	0.95	0.94	0.89
3	1.12	1.11	1.10	1.10	1.09	1.08	1.05	1.04	1.03	1.01	0.99	0.97	0.95	0.93	0.91	0.87
4	1.09	1.08	1.08	1.07	1.06	1.05	1.03	1.01	1.00	0.98	0.96	0.95	0.93	0.91	0.89	0.85
5	1.06	1.05	1.05	1.04	1.03	1.02	1.00	0.99	0.97	0.96	0.94	0.92	0.91	0.89	0.87	0.83
6	1.04	1.03	1.03	1.02	1.01	1.00	0.98	0.96	0.95	0.94	0.92	0.90	0.89	0.87	0.85	0.81
7	1.01	1.01	1.00	1.00	0.98	0.98	0.96	0.94	0.93	0.92	0.90	0.88	0.88	0.85	0.83	0.79
8	0.99	0.98	0.98	0.97	0.96	0.96	0.94	0.92	0.91	0.90	0.88	0.86	0.86	0.83	0.81	0.77
9	0.97	0.96	0.96	0.95	0.94	0.93	0.92	0.90	0.89	0.88	0.86	0.84	0.84	0.81	0.79	0.75
10	0.95	0.94	0.94	0.93	0.92	0.92	0.90	0.88	0.87	0.86	0.84	0.82	0.82	0.80	0.77	0.74

Budgetary Estimate Chart			
Light Flux	525.67 lmlm		
Maintenance	0.8/0.8		
Aver E	200lx		
Work Plane H	0		
Place Name	Cel	Wall	Floor
Reflect1	0.7	0.5	0.2
Reflect2	0.5	0.3	0.2