

Luminaire Property

Luminaire:

Report NO.: BD-0100A-12W
Test NO.:
Lamp:
Sum Lumens: 1073.29 lm
Number of Lamps: 1
Diameter: 200mm
Length: mm
Photometric Type: Type C

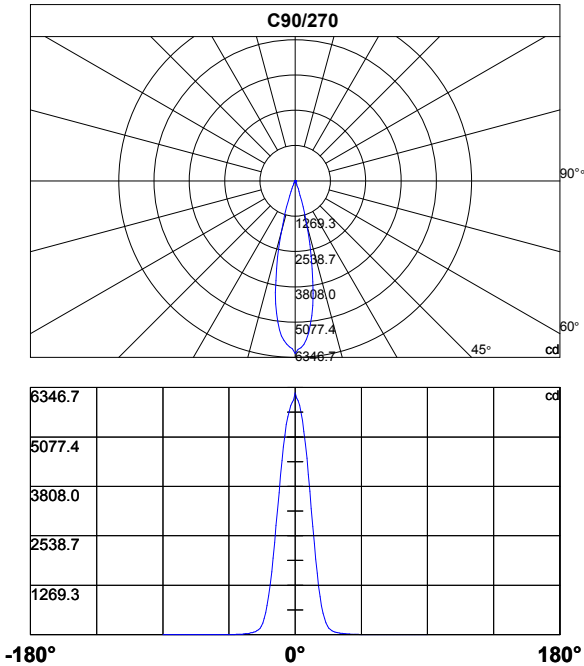
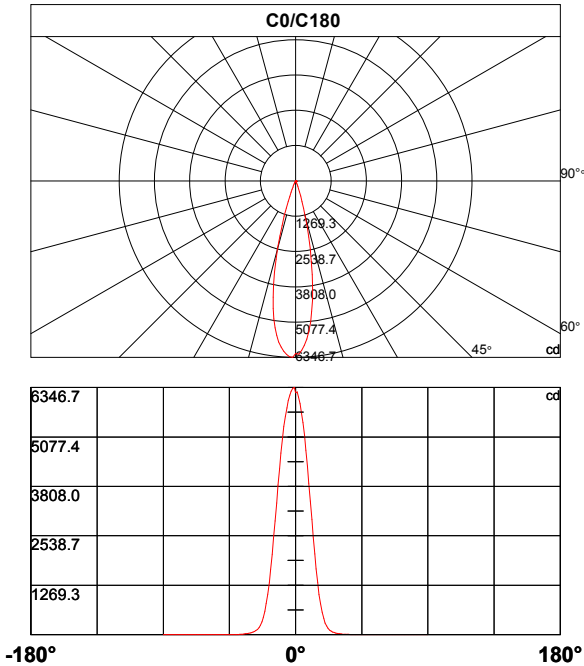
Voltage: 231.3 V
Current: 0.067 A
Power: 12.9 W
Power Factor: 0.830
Ballast Type:
Width: 200mm
Height: mm
Remark:

Photometric Results

Lumens: 1073.29 lm
Efficiency: 80.0963 lm/W
Central Intensity: 6207.147cd
Maximum Intensity: 6346.652cd

Angle of maximum intensity: C:135.0 G:1.0
Half Peak Side Angle(50%): Left: -11.5 Right:12.4
Light Out Rate(LOR) : 100.00%
Up Flux Rate: 0.0%
Down Flux Rate: 100.0%

Beam Angle(10%): Left: -18.7 Right:19.8



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	6207.1	6234.3	6104.1	5929.1	5707.5	5441.7	5115.6	4737.4	4322.3	3888.6
45.0	6207.1	6068.3	6010.4	5890.9	5716.5	5491.9	5215.3	4892.8	4529.0	4109.6
90.0	6207.1	6068.3	6010.4	5890.9	5716.5	5491.9	5215.3	4892.8	4529.0	4109.6

C\G	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	3428.7	2957.4	2507.6	2074.5	1682.1	1341.0	1028.0	783.7	573.4	419.3
45.0	3683.7	3233.3	2777.6	2343.9	1944.9	1577.0	1244.8	974.2	740.7	549.5
90.0	3683.7	3233.3	2777.6	2343.9	1944.9	1577.0	1244.8	974.2	740.7	549.5

C\G	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	299.9	219.2	159.5	118.3	89.0	69.3	55.0	42.4	33.4	26.9
45.0	409.8	304.7	222.8	165.5	126.6	97.4	77.7	64.5	53.8	46.0
90.0	409.8	304.7	222.8	165.5	126.6	97.4	77.7	64.5	53.8	46.0

C\G	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	20.3	15.5	12.0	7.2	4.2	2.4	1.8	1.2	0.6	0.0
45.0	39.4	34.6	29.9	25.1	22.1	17.9	15.5	12.6	10.1	9.0
90.0	39.4	34.6	29.9	25.1	22.1	17.9	15.5	12.6	10.1	9.0

C\G	40.0	41.0	42.0	43.0	44.0	45.0	46.0	47.0	48.0	49.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45.0	6.0	4.8	3.6	2.4	1.2	0.6	0.0	0.0	0.0	0.0
90.0	6.0	4.8	3.6	2.4	1.2	0.6	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

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

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

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

C\G	90.0
0.0	0.0
45.0	0.0
90.0	0.0

Zonal Flux Distribution

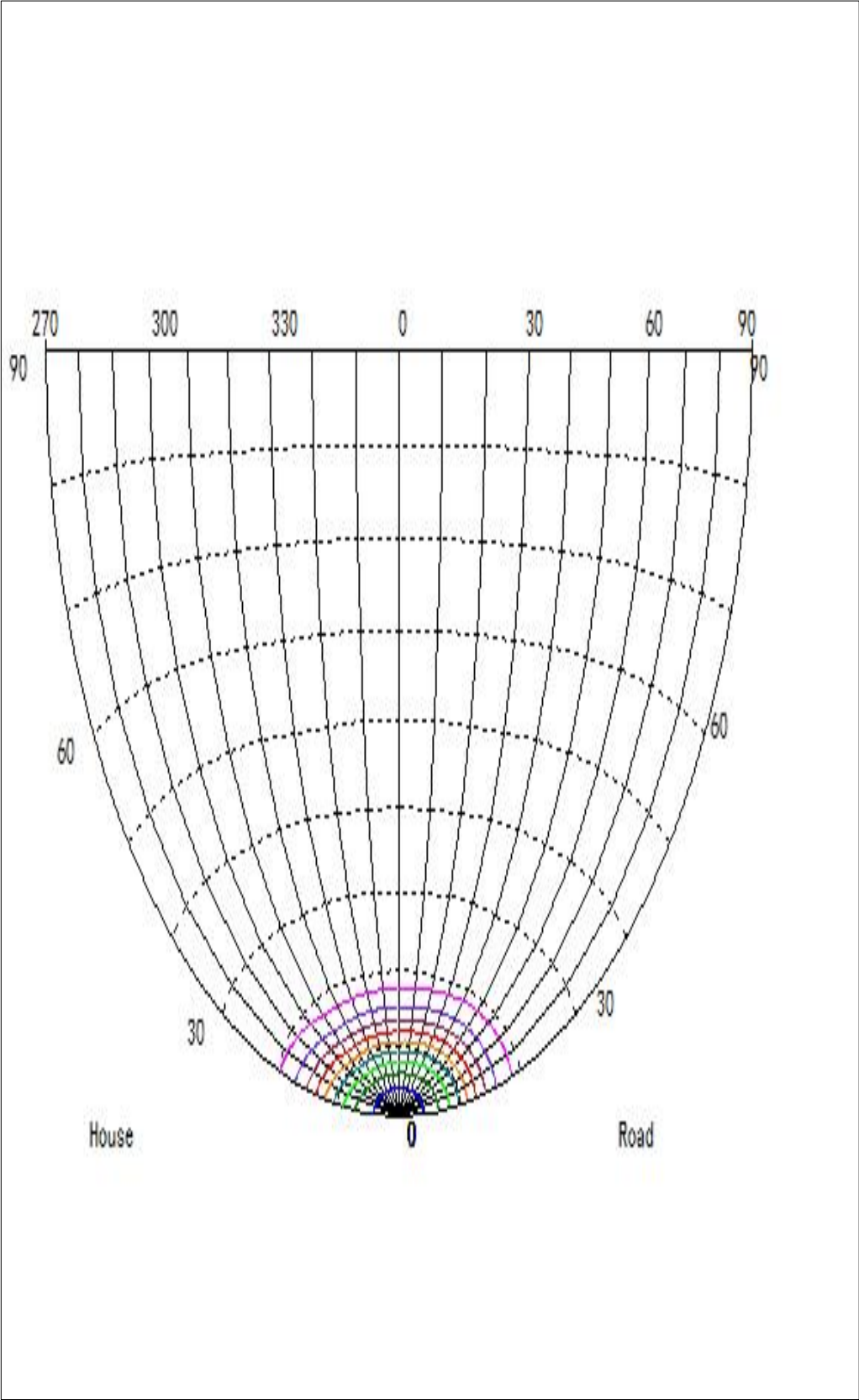
Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0	6207.15	0.00	0.00	0.00	0.00
1	6151.33	1.47	1.47	0.14	0.14
2	6057.25	4.36	5.83	0.41	0.54
3	5910.02	7.14	12.97	0.66	1.21
4	5712.00	9.72	22.69	0.91	2.11
5	5466.80	12.04	34.72	1.12	3.24
6	5165.45	14.02	48.74	1.31	4.54
7	4815.11	15.59	64.33	1.45	5.99
8	4425.63	16.70	81.02	1.56	7.55
9	3999.14	17.29	98.31	1.61	9.16
10	3556.22	17.36	115.67	1.62	10.78
11	3095.36	16.95	132.62	1.58	12.36
12	2642.59	16.05	148.67	1.50	13.85
13	2209.23	14.79	163.47	1.38	15.23
14	1813.50	13.30	176.77	1.24	16.47
15	1458.99	11.66	188.43	1.09	17.56
16	1136.42	9.92	198.35	0.92	18.48
17	878.97	8.24	206.59	0.77	19.25
18	657.07	6.70	213.29	0.62	19.87
19	484.44	5.29	218.58	0.49	20.37
20	354.81	4.11	222.70	0.38	20.75
21	261.94	3.20	225.89	0.30	21.05
22	191.14	2.46	228.35	0.23	21.28
23	141.86	1.89	230.25	0.18	21.45
24	107.82	1.48	231.73	0.14	21.59
25	83.33	1.18	232.91	0.11	21.70
26	66.31	0.96	233.86	0.09	21.79
27	53.46	0.80	234.67	0.07	21.86
28	43.60	0.68	235.35	0.06	21.93
29	36.44	0.59	235.93	0.05	21.98
30	29.88	0.51	236.45	0.05	22.03
31	25.09	0.45	236.90	0.04	22.07
32	20.90	0.40	237.29	0.04	22.11
33	16.12	0.34	237.63	0.03	22.14
34	13.14	0.29	237.92	0.03	22.17
35	10.14	0.25	238.16	0.02	22.19
36	8.67	0.21	238.37	0.02	22.21
37	6.88	0.18	238.55	0.02	22.23
38	5.37	0.15	238.70	0.01	22.24
39	4.49	0.12	238.82	0.01	22.25
40	2.98	0.10	238.92	0.01	22.26

Zonal Flux Distribution

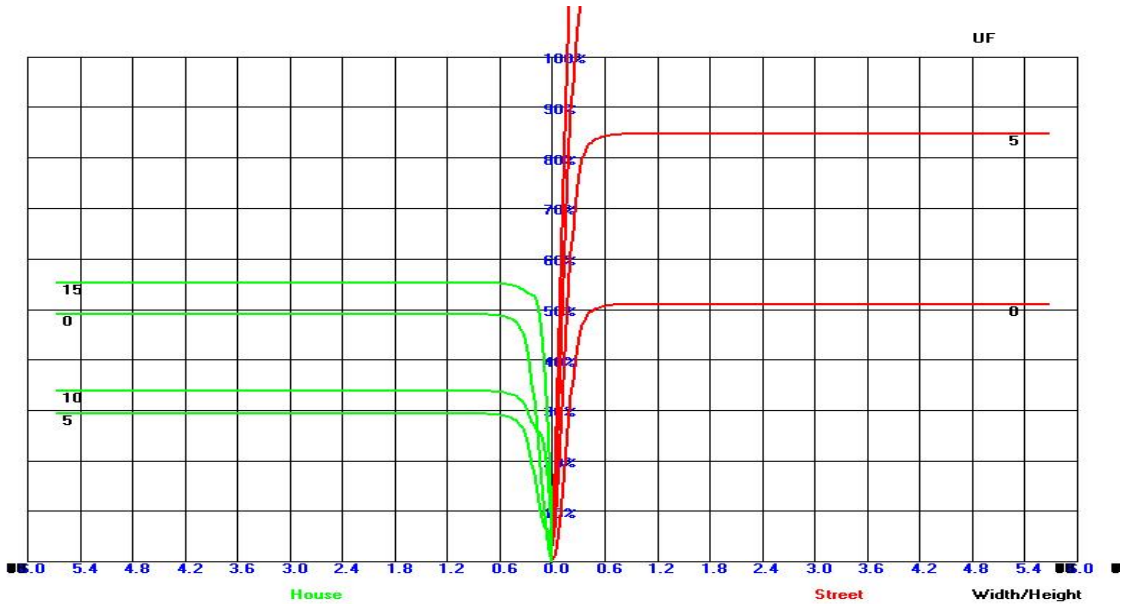
Gamma [°]	lmean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
41	2.39	0.07	238.99	0.01	22.27
42	1.79	0.06	239.05	0.01	22.27
43	1.19	0.04	239.09	0.00	22.28
44	0.60	0.03	239.11	0.00	22.28
45	0.30	0.01	239.13	0.00	22.28
46	0.00	0.00	239.13	0.00	22.28
47	0.00	0.00	239.13	0.00	22.28
48	0.00	0.00	239.13	0.00	22.28
49	0.00	0.00	239.13	0.00	22.28
50	0.00	0.00	239.13	0.00	22.28
51	0.00	0.00	239.13	0.00	22.28
52	0.00	0.00	239.13	0.00	22.28
53	0.00	0.00	239.13	0.00	22.28
54	0.00	0.00	239.13	0.00	22.28
55	0.00	0.00	239.13	0.00	22.28
56	0.00	0.00	239.13	0.00	22.28
57	0.00	0.00	239.13	0.00	22.28
58	0.00	0.00	239.13	0.00	22.28
59	0.00	0.00	239.13	0.00	22.28
60	0.00	0.00	239.13	0.00	22.28
61	0.00	0.00	239.13	0.00	22.28
62	0.00	0.00	239.13	0.00	22.28
63	0.00	0.00	239.13	0.00	22.28
64	0.00	0.00	239.13	0.00	22.28
65	0.00	0.00	239.13	0.00	22.28
66	0.00	0.00	239.13	0.00	22.28
67	0.00	0.00	239.13	0.00	22.28
68	0.00	0.00	239.13	0.00	22.28
69	0.00	0.00	239.13	0.00	22.28
70	0.00	0.00	239.13	0.00	22.28
71	0.00	0.00	239.13	0.00	22.28
72	0.00	0.00	239.13	0.00	22.28
73	0.00	0.00	239.13	0.00	22.28
74	0.00	0.00	239.13	0.00	22.28
75	0.00	0.00	239.13	0.00	22.28
76	0.00	0.00	239.13	0.00	22.28
77	0.00	0.00	239.13	0.00	22.28
78	0.00	0.00	239.13	0.00	22.28
79	0.00	0.00	239.13	0.00	22.28
80	0.00	0.00	239.13	0.00	22.28
81	0.00	0.00	239.13	0.00	22.28

Zonal Flux Distribution

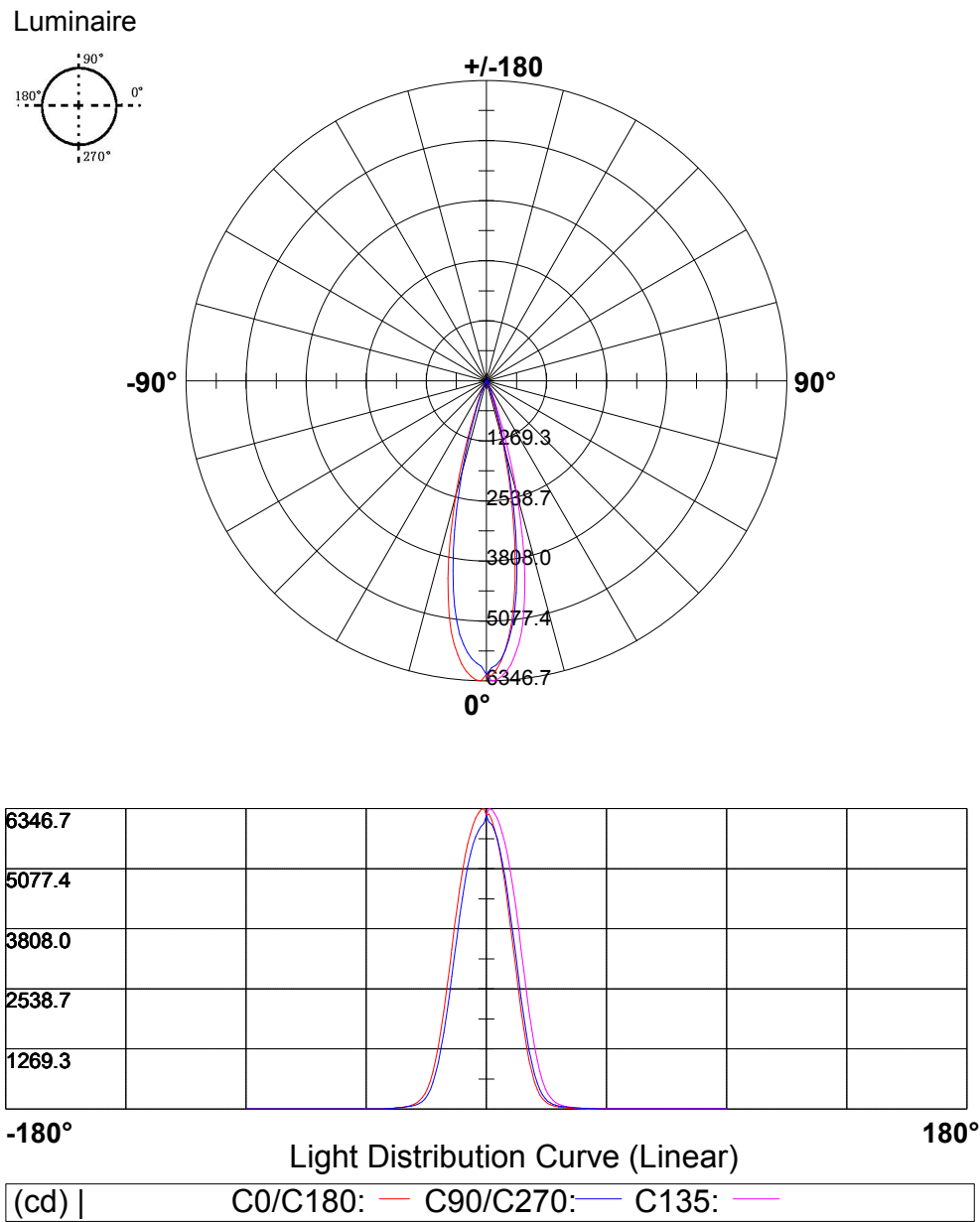
[illegible]



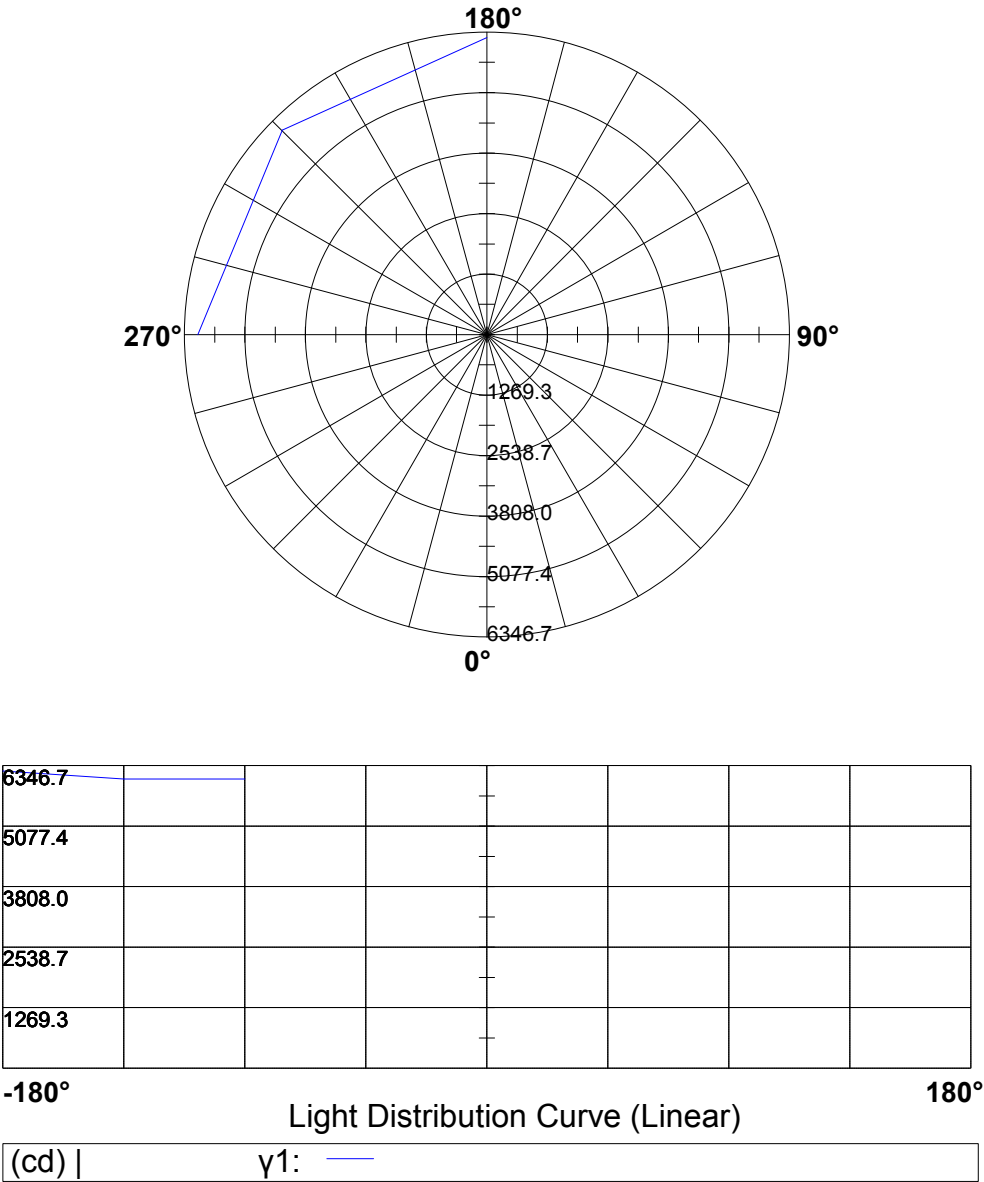
Coefficient Utilization Curve



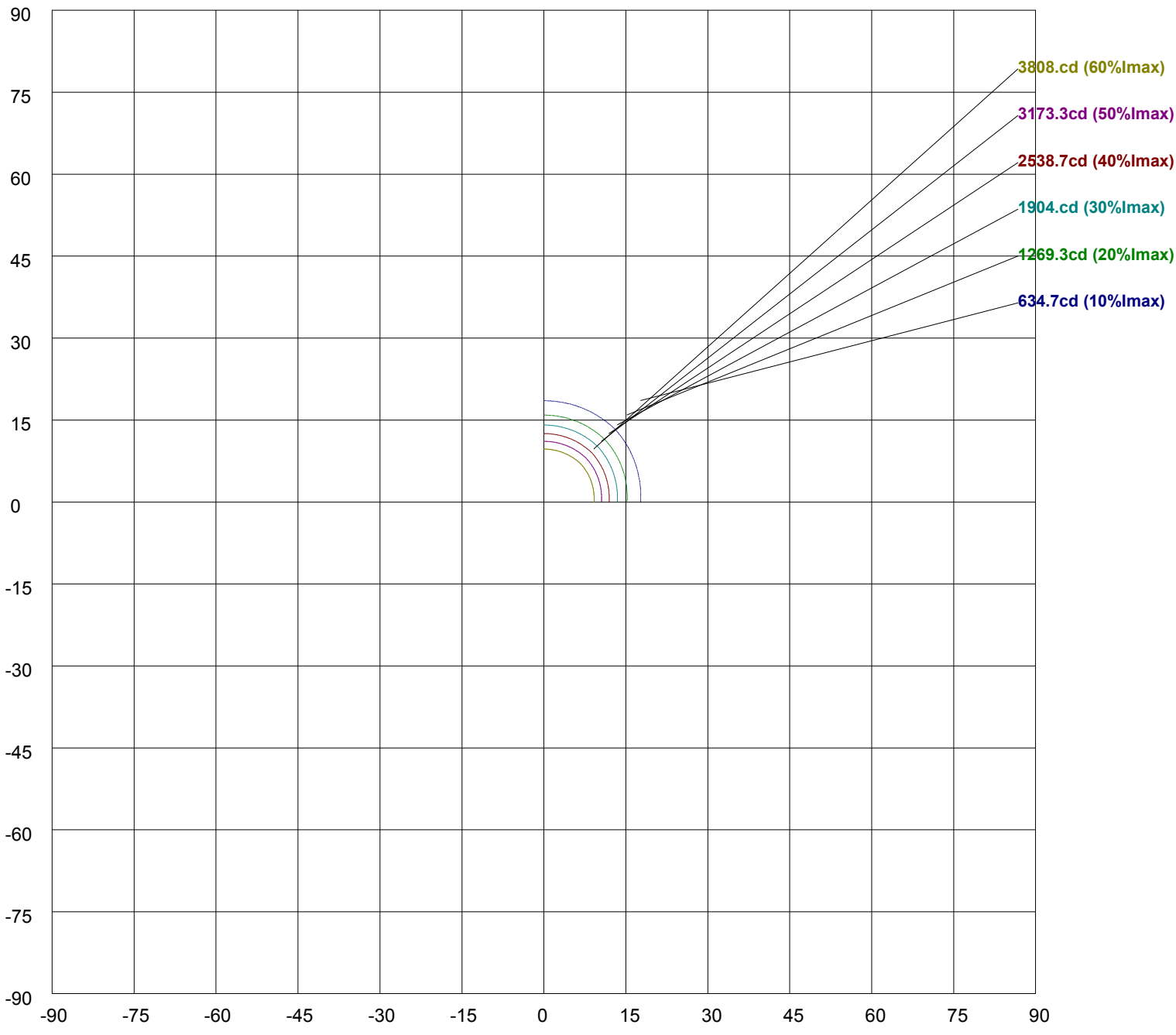
Light Distribution Curve [Unit: cd]



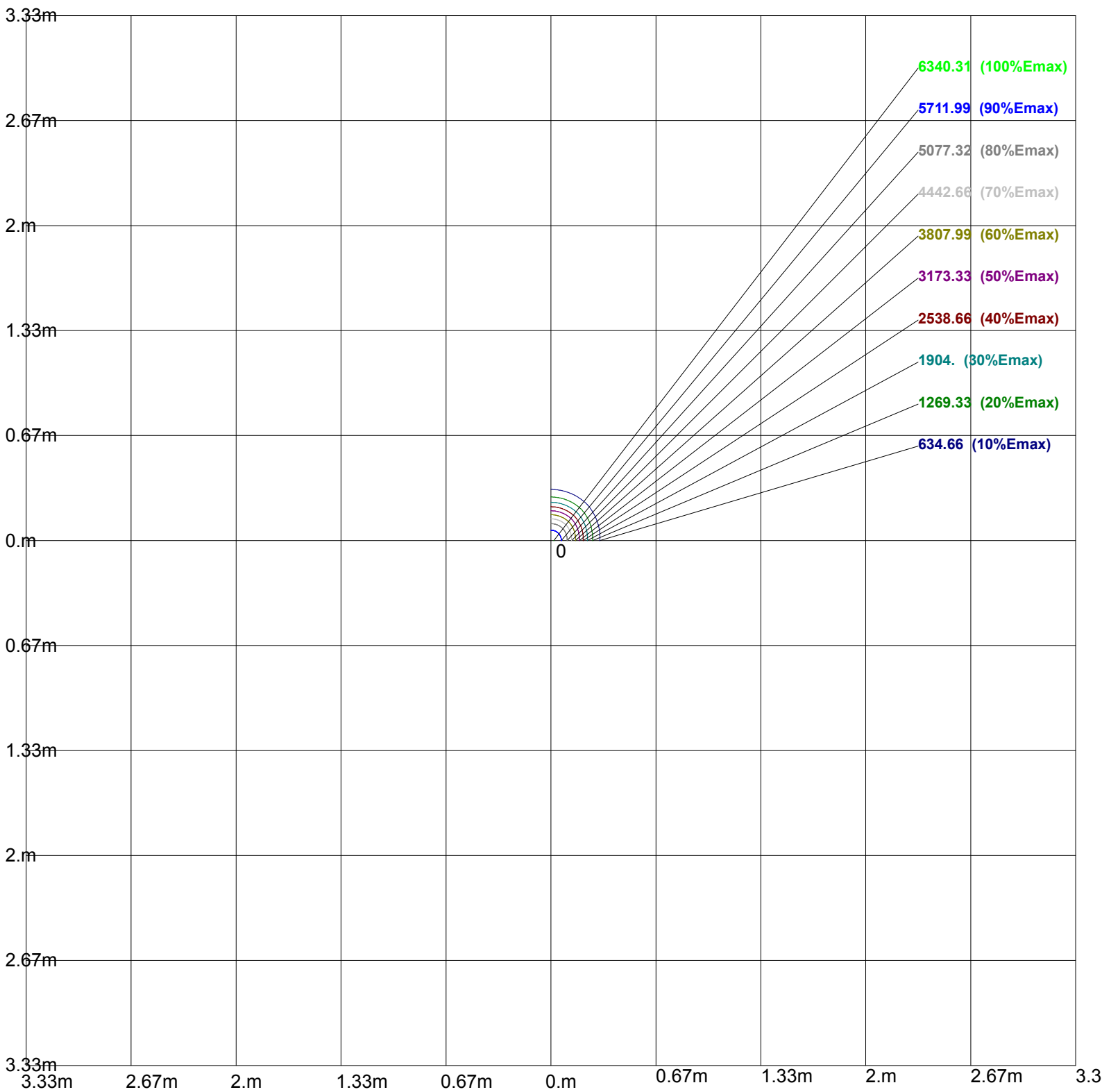
Max Plane Light Distribution Curve [Unit: cd]



等光强曲线 V-H [cd]



Iso-Lux[lx]



Height: 1 m
Max Illuminance : 6346.65lx

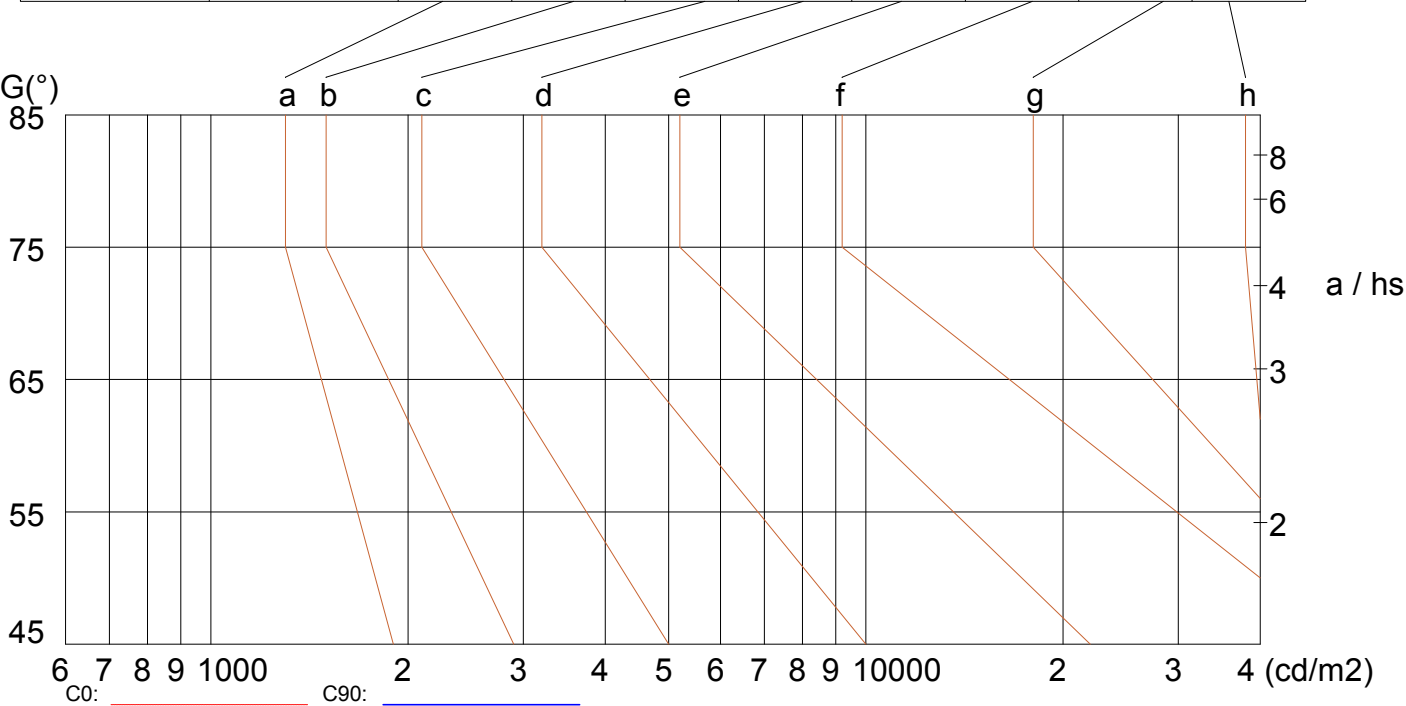
Luminance Limititting Curve

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

(cd/m2)

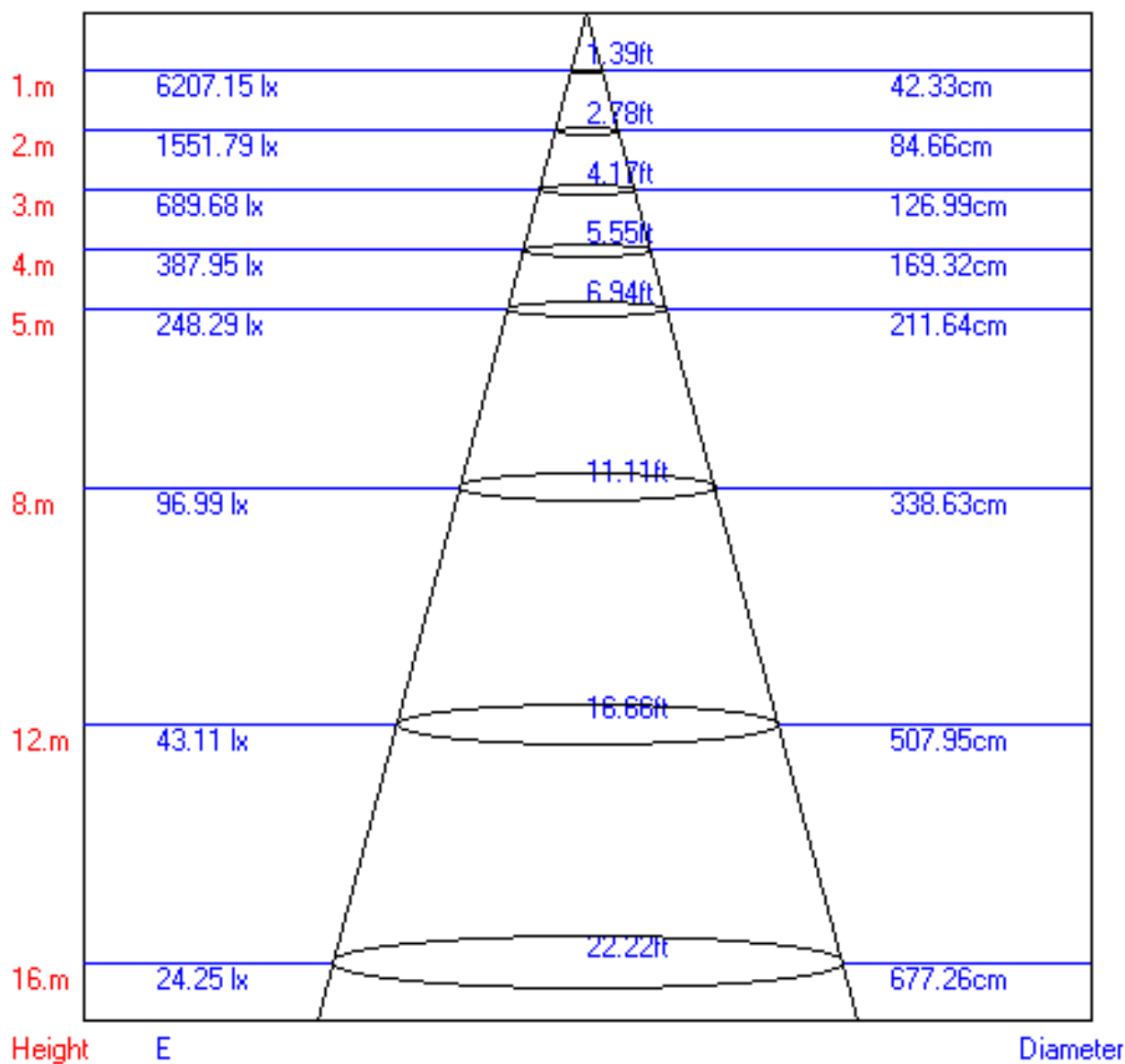
y	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0									
C90									

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. Limititting Curve (C0/C90)

Lux-Distance Curve



Beam Angle:23.90°

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	0.27	0.27	0.27	0.26	0.26	0.26	0.25	0.25	0.25	0.24	0.24	0.24	0.23	0.23	0.23	0.22
1	0.26	0.26	0.26	0.26	0.26	0.26	0.25	0.25	0.25	0.24	0.23	0.23	0.22	0.22	0.22	0.20
2	0.26	0.26	0.25	0.25	0.25	0.25	0.24	0.24	0.24	0.23	0.23	0.23	0.22	0.21	0.21	0.20
3	0.25	0.25	0.25	0.25	0.24	0.24	0.24	0.23	0.23	0.23	0.22	0.22	0.21	0.21	0.21	0.20
4	0.25	0.24	0.24	0.24	0.24	0.24	0.23	0.23	0.23	0.22	0.22	0.21	0.21	0.20	0.20	0.19
5	0.24	0.24	0.24	0.24	0.23	0.23	0.23	0.22	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.19
6	0.24	0.23	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.21	0.21	0.20	0.20	0.20	0.19	0.18
7	0.23	0.23	0.23	0.23	0.22	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.20	0.19	0.19	0.18
8	0.23	0.23	0.22	0.22	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.20	0.20	0.19	0.18	0.18
9	0.22	0.22	0.22	0.22	0.22	0.21	0.21	0.21	0.20	0.20	0.20	0.19	0.19	0.19	0.18	0.17
10	0.22	0.22	0.22	0.21	0.21	0.21	0.21	0.20	0.20	0.20	0.19	0.19	0.19	0.18	0.18	0.17

