Luminaire Property

Luminaire: RH-CL2606 15W-3000 15W 3000K 60°

Report NO.:
Test NO.: HLB220109
Lamp:
Sum Lumens: 1571.57 lm
Number of Lamps: 1
Diameter: 120mm
Length: mm
Photometric Type: Type C

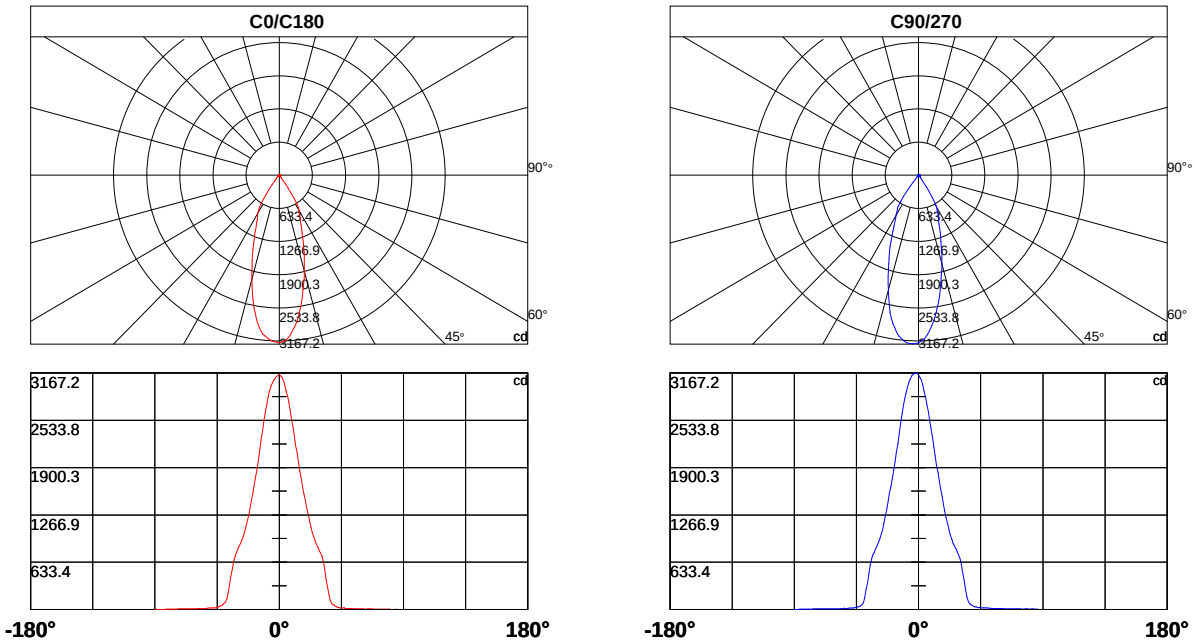
Voltage: 230.9 V
Current: 0.065 A
Power: 14.1 W
Power Factor: 0.938
Ballast Type: OSRAM OT FIT 20 350mA
Width: 120mm
Height: 72mm
Remark: CREE CXA1512

Photometric Results

Lumens: 1571.57 lm
Efficiency: 111.4589 lm/W
Central Intensity: 3142.455cd
Maximum Intensity: 3167.192cd

Beam Angle(10%): Left: -35.4 Right:35.6

Angle of maximum intensity: C:225.0 G:2.0
Half Peak Side Angle(50%): Left: -18.7 Right:18.3
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	3142.5	3130.8	3111.8	3067.0	3006.7	2925.5	2856.7	2767.8	2662.0	2545.3
45.0	3142.5	3111.2	3074.2	3011.7	2929.8	2844.0	2749.7	2646.5	2526.7	2422.1
90.0	3142.5	3111.2	3074.2	3011.7	2929.8	2844.0	2749.7	2646.5	2526.7	2422.1
135.0	3142.5	3134.2	3121.2	3101.6	3073.0	3030.6	2992.7	2923.6	2847.7	2746.3
180.0	3142.5	3134.2	3121.2	3101.6	3073.0	3030.6	2992.7	2923.6	2847.7	2746.3
225.0	3142.5	3157.3	3167.2	3162.2	3152.3	3128.3	3084.8	3042.8	2984.3	2899.4
270.0	3142.5	3157.3	3167.2	3162.2	3152.3	3128.3	3084.8	3042.8	2984.3	2899.4
315.0	3142.5	3130.8	3111.8	3067.0	3006.7	2925.5	2856.7	2767.8	2662.0	2545.3
360.0	3142.5	3130.8	3111.8	3067.0	3006.7	2925.5	2856.7	2767.8	2662.0	2545.3

C\G	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	2438.6	2314.5	2191.9	2085.5	1967.7	1852.8	1739.9	1628.3	1541.4	1440.3
45.0	2300.2	2175.5	2056.3	1934.1	1837.3	1723.1	1618.3	1512.5	1405.5	1312.2
90.0	2300.2	2175.5	2056.3	1934.1	1837.3	1723.1	1618.3	1512.5	1405.5	1312.2
135.0	2636.2	2534.1	2404.4	2270.7	2137.8	2013.7	1893.9	1779.4	1683.3	1574.1
180.0	2636.2	2534.1	2404.4	2270.7	2137.8	2013.7	1893.9	1779.4	1683.3	1574.1
225.0	2826.6	2734.8	2627.8	2490.6	2363.3	2225.9	2113.9	1986.0	1872.8	1754.2
270.0	2826.6	2734.8	2627.8	2490.6	2363.3	2225.9	2113.9	1986.0	1872.8	1754.2
315.0	2438.6	2314.5	2191.9	2085.5	1967.7	1852.8	1739.9	1628.3	1541.4	1440.3
360.0	2438.6	2314.5	2191.9	2085.5	1967.7	1852.8	1739.9	1628.3	1541.4	1440.3

C\G	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	1348.3	1258.4	1172.5	1099.4	1029.1	967.2	916.8	870.4	830.6	783.0
45.0	1231.0	1149.8	1069.2	998.6	941.1	889.7	854.0	813.2	769.6	731.4
90.0	1231.0	1149.8	1069.2	998.6	941.1	889.7	854.0	813.2	769.6	731.4
135.0	1468.6	1366.9	1274.8	1200.5	1117.7	1045.6	987.1	934.2	886.0	852.7
180.0	1468.6	1366.9	1274.8	1200.5	1117.7	1045.6	987.1	934.2	886.0	852.7
225.0	1651.9	1559.5	1446.6	1347.3	1246.2	1158.5	1072.7	1013.6	944.8	897.5
270.0	1651.9	1559.5	1446.6	1347.3	1246.2	1158.5	1072.7	1013.6	944.8	897.5
315.0	1348.3	1258.4	1172.5	1099.4	1029.1	967.2	916.8	870.4	830.6	783.0
360.0	1348.3	1258.4	1172.5	1099.4	1029.1	967.2	916.8	870.4	830.6	783.0

C\G	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	755.3	714.0	634.3	527.9	407.2	290.2	199.1	120.1	75.9	61.3
45.0	677.9	603.8	496.8	380.5	267.8	171.7	102.7	76.5	65.6	50.7
90.0	677.9	603.8	496.8	380.5	267.8	171.7	102.7	76.5	65.6	50.7
135.0	808.9	761.9	713.3	636.5	532.9	434.0	317.3	216.5	135.6	93.3
180.0	808.9	761.9	713.3	636.5	532.9	434.0	317.3	216.5	135.6	93.3
225.0	855.2	813.5	768.4	738.2	682.8	592.3	479.7	360.3	263.5	162.4
270.0	855.2	813.5	768.4	738.2	682.8	592.3	479.7	360.3	263.5	162.4
315.0	755.3	714.0	634.3	527.9	407.2	290.2	199.1	120.1	75.9	61.3
360.0	755.3	714.0	634.3	527.9	407.2	290.2	199.1	120.1	75.9	61.3

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	49.1	40.4	31.7	23.6	21.8	22.1	19.3	18.4	14.3	13.5
45.0	42.3	33.6	33.0	27.0	26.4	21.5	20.9	19.3	21.5	20.1
90.0	42.3	33.6	33.0	27.0	26.4	21.5	20.9	19.3	21.5	20.1
135.0	80.6	59.1	50.1	40.7	35.2	30.8	23.3	21.5	22.4	18.7
180.0	80.6	59.1	50.1	40.7	35.2	30.8	23.3	21.5	22.4	18.7
225.0	89.6	61.9	47.6	38.9	33.3	25.8	24.0	21.2	17.1	19.3
270.0	89.6	61.9	47.6	38.9	33.3	25.8	24.0	21.2	17.1	19.3
315.0	49.1	40.4	31.7	23.6	21.8	22.1	19.3	18.4	14.3	13.5
360.0	49.1	40.4	31.7	23.6	21.8	22.1	19.3	18.4	14.3	13.5

C\G	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	12.7	11.5	13.1	13.1	10.3	9.0	10.9	10.0	9.7	6.2
45.0	18.7	15.2	16.8	14.0	13.4	13.1	12.1	11.8	13.4	13.1
90.0	18.7	15.2	16.8	14.0	13.4	13.1	12.1	11.8	13.4	13.1
135.0	15.8	18.4	15.2	13.4	12.1	10.9	11.5	10.3	11.8	11.2
180.0	15.8	18.4	15.2	13.4	12.1	10.9	11.5	10.3	11.8	11.2
225.0	17.4	14.6	13.4	12.7	15.2	13.7	11.5	10.7	10.0	9.7
270.0	17.4	14.6	13.4	12.7	15.2	13.7	11.5	10.7	10.0	9.7
315.0	12.7	11.5	13.1	13.1	10.3	9.0	10.9	10.0	9.7	6.2
360.0	12.7	11.5	13.1	13.1	10.3	9.0	10.9	10.0	9.7	6.2

C\G	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	6.9	5.9	5.6	5.3	5.9	6.5	6.2	5.9	5.6	5.6
45.0	12.1	11.2	10.9	9.9	9.0	7.8	7.6	7.5	7.2	6.9
90.0	12.1	11.2	10.9	9.9	9.0	7.8	7.6	7.5	7.2	6.9
135.0	10.6	10.3	10.0	9.7	9.7	8.7	8.2	7.8	7.8	7.5
180.0	10.6	10.3	10.0	9.7	9.7	8.7	8.2	7.8	7.8	7.5
225.0	10.6	10.6	10.6	10.0	7.8	6.5	6.9	8.4	8.2	8.1
270.0	10.6	10.6	10.6	10.0	7.8	6.5	6.9	8.4	8.2	8.1
315.0	6.9	5.9	5.6	5.3	5.9	6.5	6.2	5.9	5.6	5.6
360.0	6.9	5.9	5.6	5.3	5.9	6.5	6.2	5.9	5.6	5.6

C\G	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	2.8	3.1	5.0	4.5	4.0	3.7	4.0	3.6	3.1	3.1
45.0	6.9	6.2	5.9	5.9	5.9	5.4	5.0	6.9	7.2	6.9
90.0	6.9	6.2	5.9	5.9	5.9	5.4	5.0	6.9	7.2	6.9
135.0	6.9	6.5	6.2	6.9	5.3	3.7	3.4	5.0	5.3	3.9
180.0	6.9	6.5	6.2	6.9	5.3	3.7	3.4	5.0	5.3	3.9
225.0	7.2	7.2	6.9	6.9	6.9	6.5	6.2	5.6	4.4	3.1
270.0	7.2	7.2	6.9	6.9	6.9	6.5	6.2	5.6	4.4	3.1
315.0	2.8	3.1	5.0	4.5	4.0	3.7	4.0	3.6	3.1	3.1
360.0	2.8	3.1	5.0	4.5	4.0	3.7	4.0	3.6	3.1	3.1

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	2.2	1.2	1.2	1.2	1.7	2.2	1.9	1.9	0.0	0.0
45.0	4.7	4.7	6.2	6.2	4.3	4.0	2.6	1.2	1.9	1.7
90.0	4.7	4.7	6.2	6.2	4.3	4.0	2.6	1.2	1.9	1.7
135.0	2.5	2.2	3.0	1.9	1.7	1.5	1.2	1.9	2.0	2.2
180.0	2.5	2.2	3.0	1.9	1.7	1.5	1.2	1.9	2.0	2.2
225.0	3.1	3.1	3.6	4.0	4.0	3.7	3.1	0.0	0.0	0.0
270.0	3.1	3.1	3.6	4.0	4.0	3.7	3.1	0.0	0.0	0.0
315.0	2.2	1.2	1.2	1.2	1.7	2.2	1.9	1.9	0.0	0.0
360.0	2.2	1.2	1.2	1.2	1.7	2.2	1.9	1.9	0.0	0.0

C\G	90.0
0.0	0.0
45.0	1.5
90.0	1.5
135.0	0.0
180.0	0.0
225.0	1.5
270.0	1.5
315.0	0.0
360.0	0.0

Zonal Flux Distribution

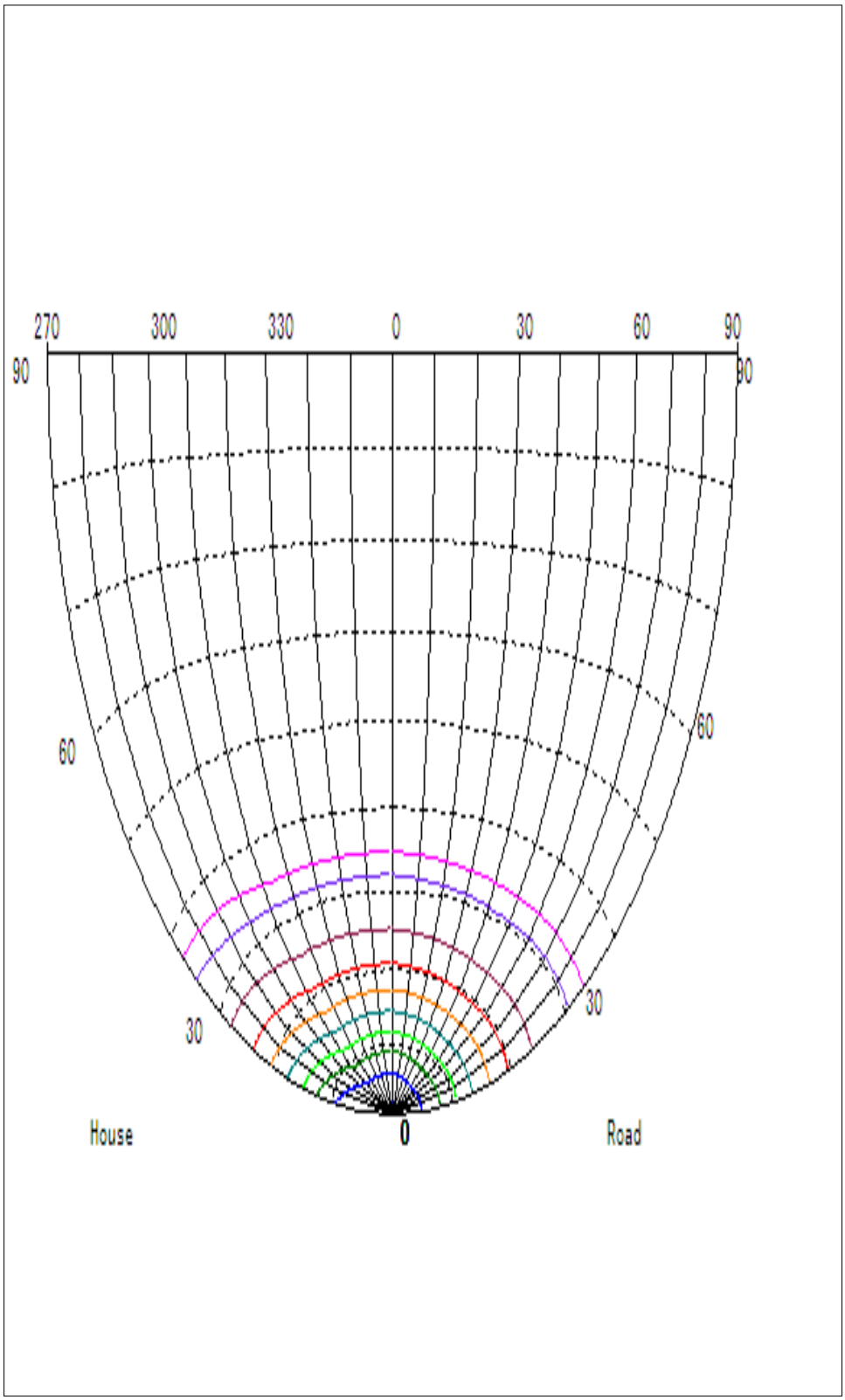
Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0	3142.46	0.00	0.00	0.00	0.00
1	3133.38	3.00	3.00	0.19	0.19
2	3118.60	8.97	11.98	0.57	0.76
3	3085.63	14.84	26.81	0.94	1.71
4	3040.43	20.51	47.32	1.30	3.01
5	2982.12	25.91	73.23	1.65	4.66
6	2920.99	31.02	104.25	1.97	6.63
7	2845.16	35.79	140.04	2.28	8.91
8	2755.17	40.08	180.12	2.55	11.46
9	2653.28	43.83	223.96	2.79	14.25
10	2550.40	47.09	271.05	3.00	17.25
11	2439.73	49.86	320.91	3.17	20.42
12	2320.11	52.03	372.94	3.31	23.73
13	2195.21	53.59	426.53	3.41	27.14
14	2076.52	54.68	481.20	3.48	30.62
15	1953.88	55.33	536.53	3.52	34.14
16	1841.50	55.61	592.15	3.54	37.68
17	1726.55	55.56	647.71	3.54	41.21
18	1625.76	55.27	702.98	3.52	44.73
19	1520.20	54.73	757.72	3.48	48.21
20	1424.94	53.90	811.62	3.43	51.64
21	1333.65	52.97	864.59	3.37	55.01
22	1240.78	51.73	916.33	3.29	58.31
23	1161.45	50.41	966.73	3.21	61.51
24	1083.53	49.08	1015.81	3.12	64.64
25	1015.24	47.72	1063.54	3.04	67.67
26	957.61	46.57	1110.11	2.96	70.64
27	907.85	45.64	1155.74	2.90	73.54
28	857.76	44.70	1200.45	2.84	76.39
29	816.15	43.79	1244.24	2.79	79.17
30	774.31	42.94	1287.18	2.73	81.90
31	723.29	41.68	1328.86	2.65	84.56
32	653.21	39.44	1368.29	2.51	87.07
33	570.77	36.06	1404.35	2.29	89.36
34	472.70	31.58	1435.93	2.01	91.37
35	372.06	26.24	1462.17	1.67	93.04
36	274.69	20.59	1482.76	1.31	94.35
37	193.35	15.26	1498.02	0.97	95.32
38	135.17	10.97	1508.99	0.70	96.02
39	91.93	7.75	1516.74	0.49	96.51
40	65.41	5.49	1522.23	0.35	96.86

Zonal Flux Distribution

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
41	48.76	4.07	1526.29	0.26	97.12
42	40.60	3.25	1529.54	0.21	97.33
43	32.58	2.71	1532.25	0.17	97.50
44	29.17	2.33	1534.58	0.15	97.65
45	25.04	2.08	1536.66	0.13	97.78
46	21.85	1.83	1538.50	0.12	97.90
47	20.07	1.67	1540.17	0.11	98.00
48	18.83	1.57	1541.74	0.10	98.10
49	17.88	1.51	1543.24	0.10	98.20
50	16.17	1.42	1544.66	0.09	98.29
51	14.93	1.32	1545.98	0.08	98.37
52	14.63	1.27	1547.25	0.08	98.45
53	13.30	1.22	1548.46	0.08	98.53
54	12.76	1.15	1549.61	0.07	98.60
55	11.67	1.09	1550.70	0.07	98.67
56	11.50	1.05	1551.75	0.07	98.74
57	10.70	1.02	1552.76	0.06	98.80
58	11.21	1.01	1553.78	0.06	98.87
59	10.05	0.99	1554.77	0.06	98.93
60	10.03	0.95	1555.72	0.06	98.99
61	9.50	0.93	1556.65	0.06	99.05
62	9.26	0.90	1557.55	0.06	99.11
63	8.71	0.87	1558.43	0.06	99.16
64	8.08	0.82	1559.25	0.05	99.22
65	7.39	0.77	1560.02	0.05	99.26
66	7.23	0.73	1560.75	0.05	99.31
67	7.39	0.74	1561.48	0.05	99.36
68	7.20	0.74	1562.22	0.05	99.41
69	7.00	0.72	1562.95	0.05	99.45
70	5.92	0.66	1563.61	0.04	99.49
71	5.76	0.60	1564.21	0.04	99.53
72	5.99	0.61	1564.83	0.04	99.57
73	6.03	0.63	1565.45	0.04	99.61
74	5.53	0.61	1566.06	0.04	99.65
75	4.86	0.55	1566.61	0.03	99.68
76	4.66	0.51	1567.12	0.03	99.72
77	5.25	0.53	1567.65	0.03	99.75
78	4.98	0.55	1568.19	0.03	99.79
79	4.24	0.50	1568.69	0.03	99.82
80	3.11	0.40	1569.09	0.03	99.84
81	2.80	0.32	1569.41	0.02	99.86

Zonal Flux Distribution

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
82	3.50	0.34	1569.75	0.02	99.88
83	3.36	0.37	1570.12	0.02	99.91
84	2.96	0.34	1570.46	0.02	99.93
85	2.88	0.32	1570.78	0.02	99.95
86	2.22	0.28	1571.06	0.02	99.97
87	1.25	0.19	1571.25	0.01	99.98
88	0.97	0.12	1571.37	0.01	99.99
89	0.97	0.11	1571.48	0.01	99.99
90	0.77	0.10	1571.57	0.01	100.00



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4.652148 cd
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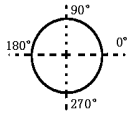
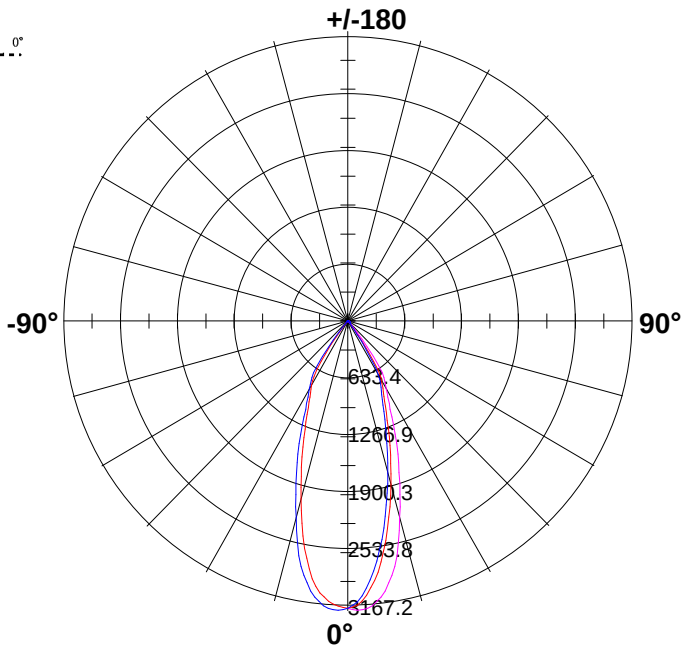
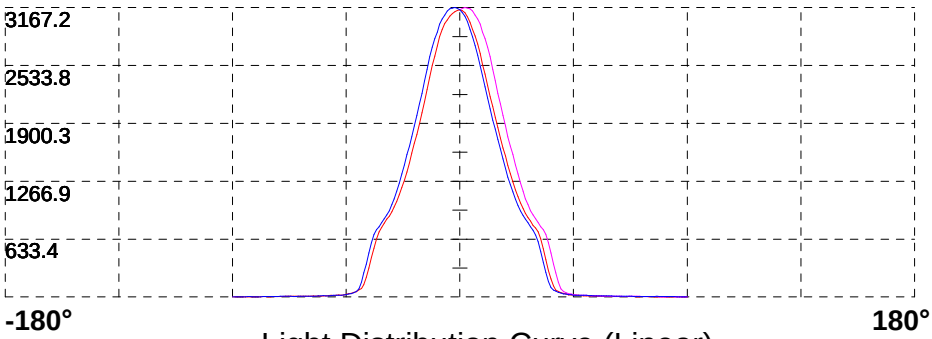
Light Distribution Curve [Unit: cd]

Luminaire



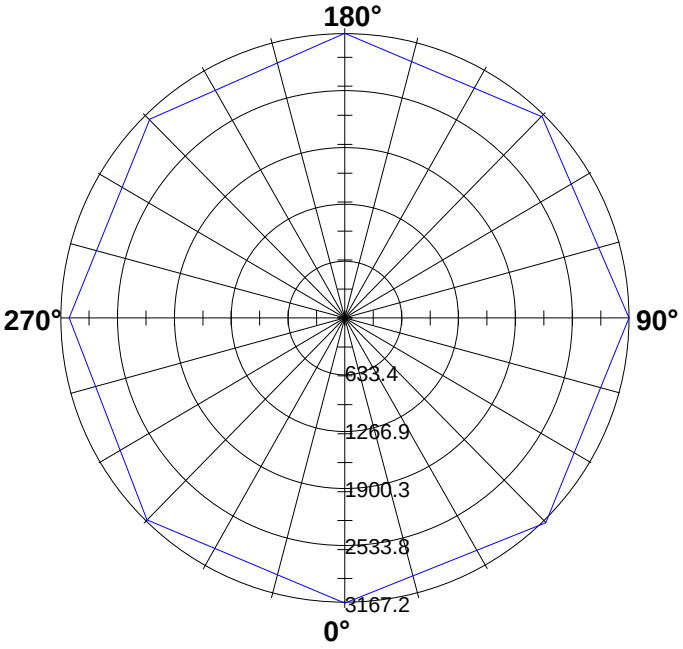


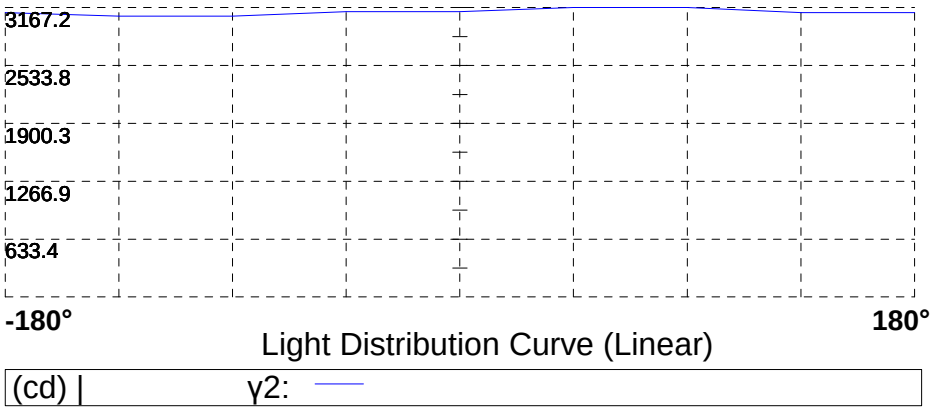


Light Distribution Curve (Linear)

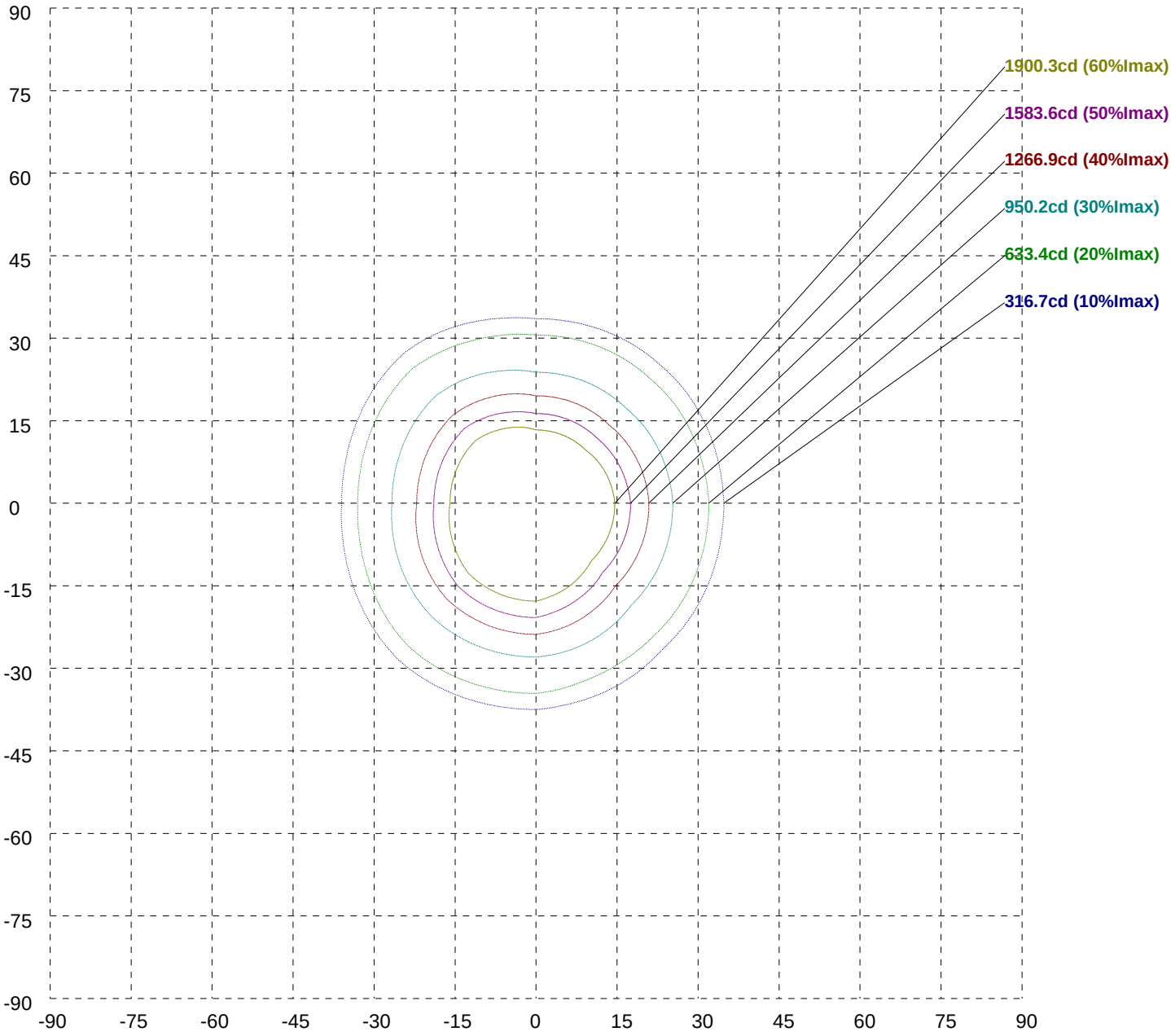
(cd) | C0/C180: C90/C270: C225:

Max Plane Light Distribution Curve [Unit: cd]



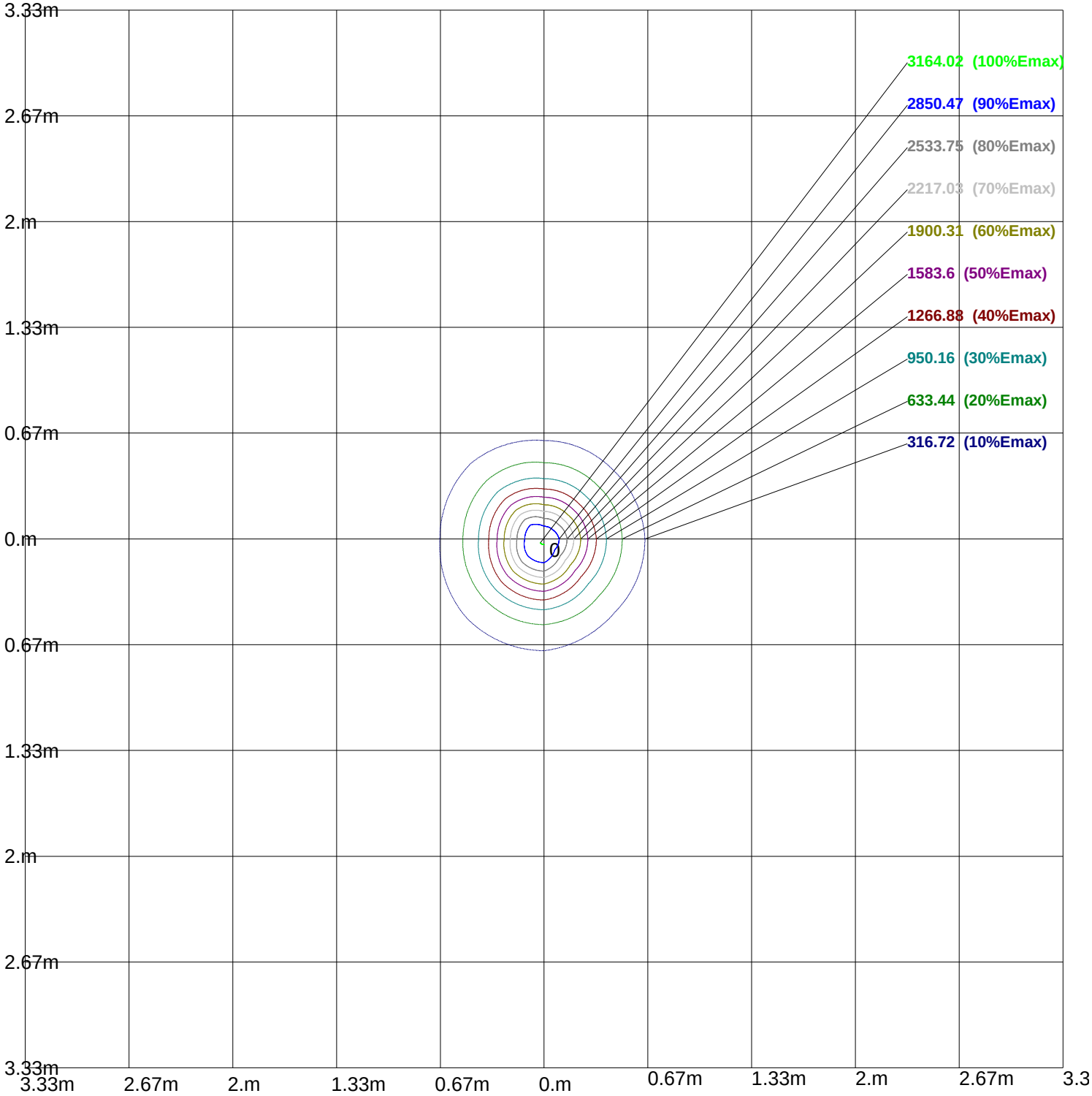


等光强曲线 V-H [cd]



测试设备:LINKCOLOR LCG-GONIO　　测试日期:2022-04-23　　测试人员:Steven
环境温度:25℃　　环境湿度:60%　　报告编号:

Iso-Lux[lx]



Height: 1 m
Max Illuminance : 3167.19lx

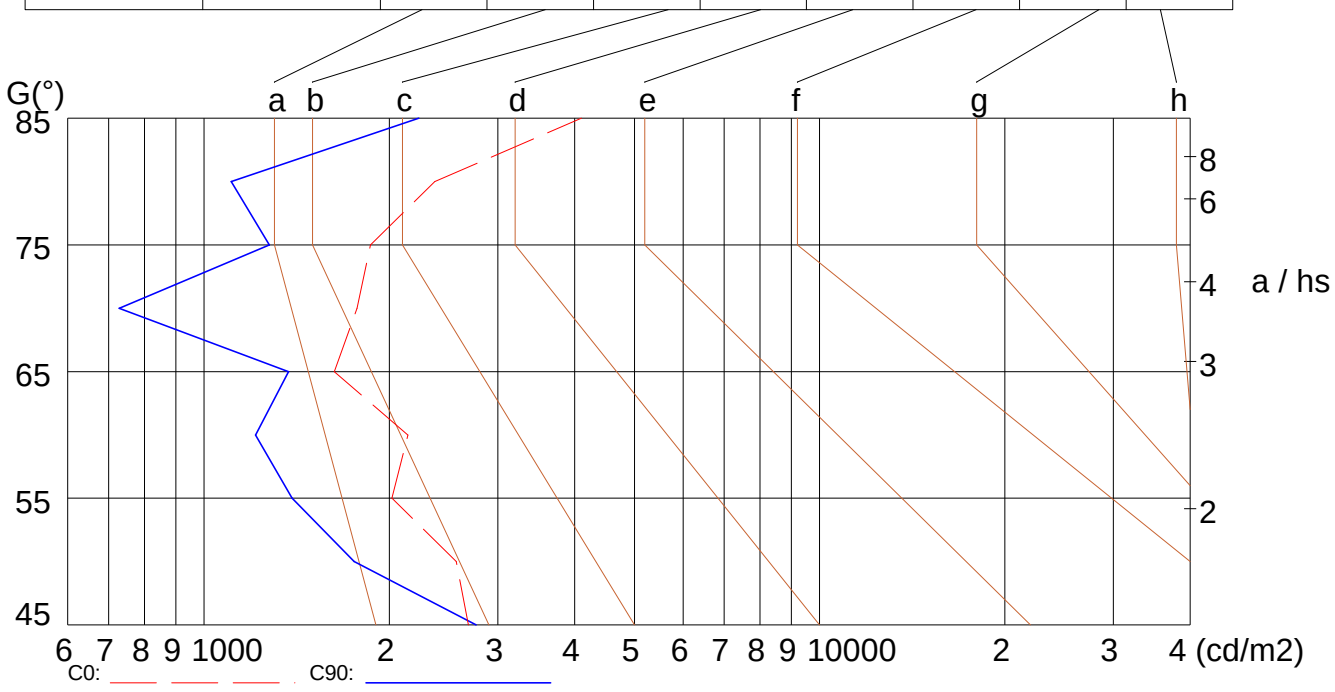
Luminance Limitting Curve

Diameter: 120mm
Length: mm
Width: 120mm
Height: 72mm

(cd/m2)

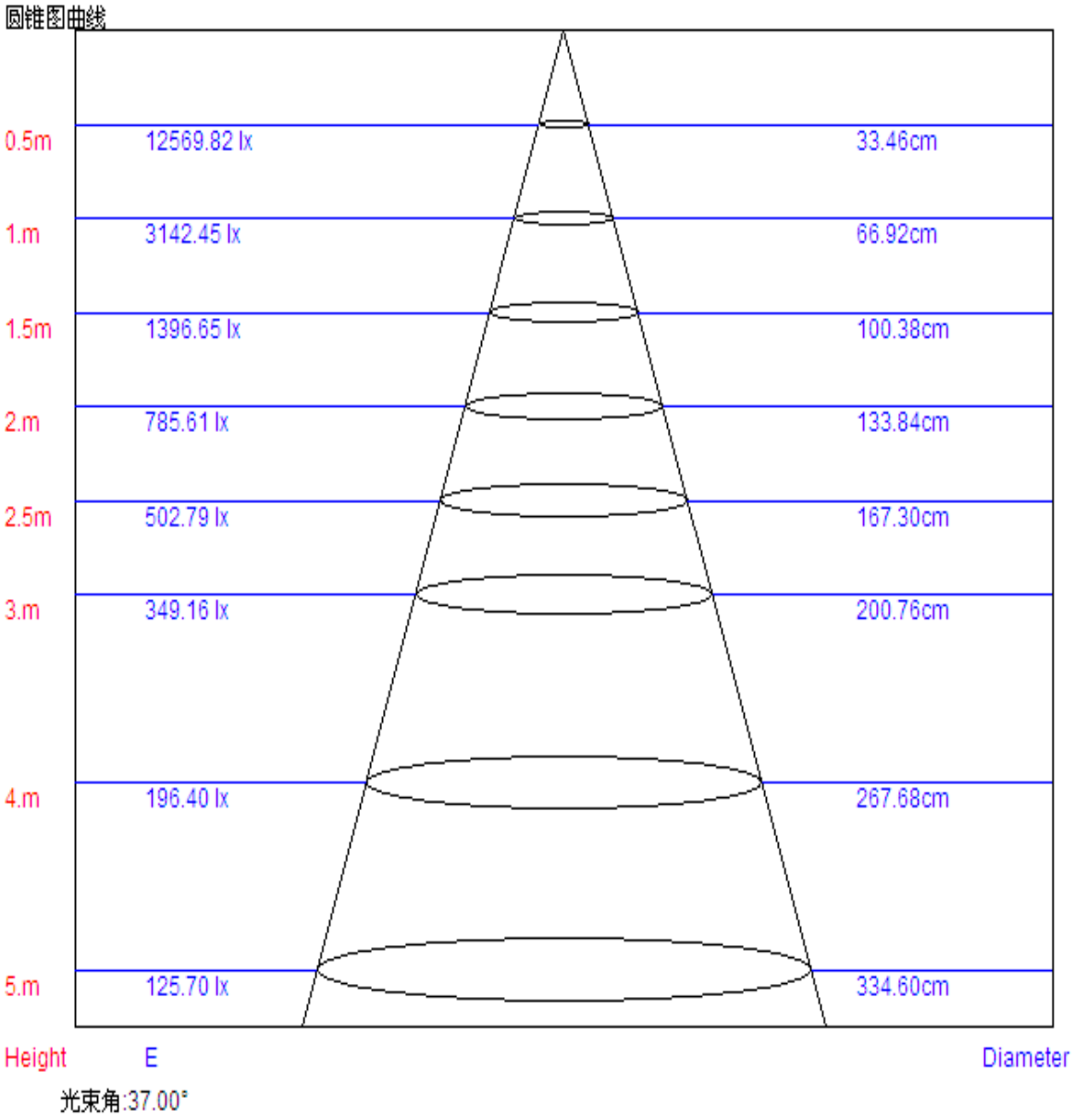
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	2687	2569	2019	2144	1627	1773	1862	2371	4101
C90	2764	1753	1388	1212	1370	728	1276	1107	2232

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:37.00°

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	1.15	1.14	1.14	1.13	1.12	1.11	1.09	1.08	1.07	1.03	1.02	1.01	0.96	0.95	0.94	0.89
2	1.09	1.07	1.07	1.07	1.06	1.04	1.03	1.01	1.00	0.98	0.96	0.95	0.92	0.90	0.88	0.83
3	1.03	1.01	1.00	1.01	0.99	0.98	0.98	0.95	0.94	0.93	0.91	0.89	0.88	0.85	0.83	0.79
4	0.97	0.96	0.95	0.96	0.94	0.93	0.93	0.90	0.88	0.89	0.86	0.84	0.84	0.81	0.79	0.74
5	0.92	0.91	0.90	0.91	0.89	0.88	0.88	0.85	0.83	0.85	0.82	0.79	0.81	0.77	0.74	0.70
6	0.87	0.86	0.85	0.86	0.84	0.83	0.84	0.81	0.79	0.81	0.77	0.75	0.77	0.74	0.71	0.67
7	0.83	0.82	0.81	0.82	0.80	0.79	0.80	0.77	0.75	0.77	0.74	0.71	0.74	0.70	0.67	0.63
8	0.79	0.78	0.77	0.78	0.76	0.75	0.76	0.73	0.71	0.74	0.70	0.68	0.71	0.67	0.64	0.60
9	0.75	0.74	0.73	0.75	0.73	0.71	0.73	0.70	0.68	0.71	0.67	0.64	0.68	0.64	0.61	0.57
10	0.72	0.71	0.70	0.71	0.69	0.68	0.70	0.67	0.65	0.68	0.64	0.61	0.66	0.61	0.58	0.55

Budgetary Estimate Chart			
Light Flux	1571.57 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