

Luminaire Property

Luminaire: RH-D03 15W 3000K

Report NO.:

Test NO.: HLB210908

Lamp:

Sum Lumens: 1260.63 lm

Number of Lamps: 1

Diameter: 330mm

Length: mm

Photometric Type: Type C

Voltage: 230.2 V

Current: 0.067 A

Power: 14.5 W

Power Factor: 0.938

Ballast Type: EBP018C0250C1 48-72V 250mA

Width: 330mm

Height: 100mm

Remark: 36pcs SMD5730 2B18C

Photometric Results

Lumens: 1260.63 lm

Efficiency: 86.94 lm/W

Central Intensity: 408.844cd

Maximum Intensity: 409.287cd

Beam Angle(10%): Left: -57.0 Right:56.0

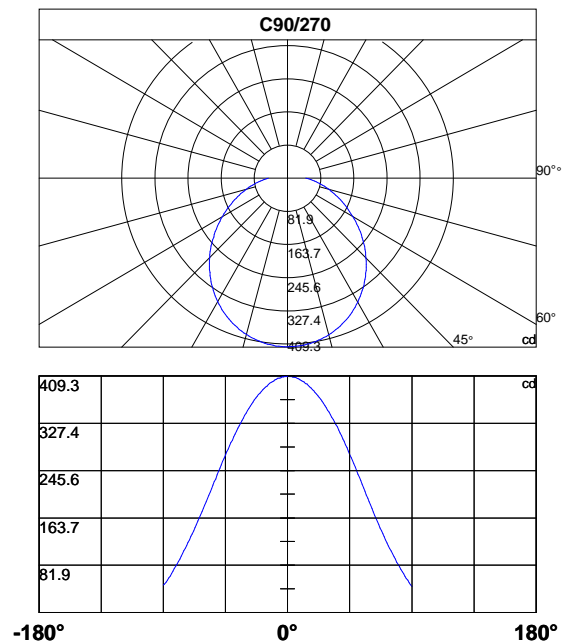
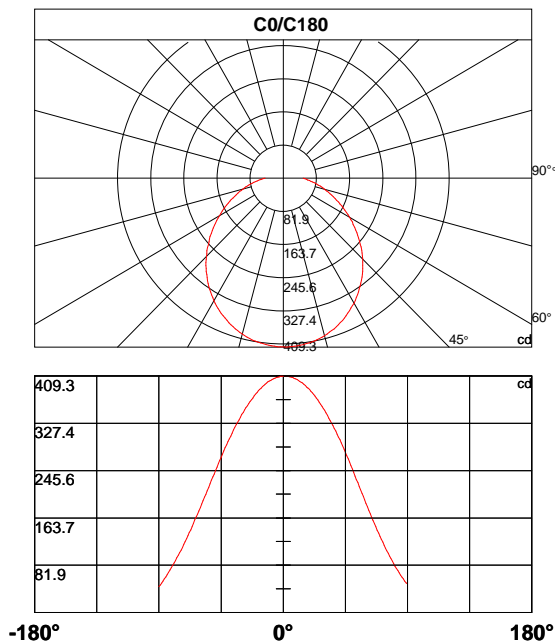
Angle of maximum intensity: C:0.0 G:1.0

Half Peak Side Angle(50%): Left: -57.0 Right:56.3

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	408.8	409.3	408.7	408.7	408.3	407.8	407.1	406.7	405.2	404.4
45.0	408.8	408.2	408.4	408.0	407.2	407.0	406.4	405.0	404.5	403.0
90.0	408.8	408.2	408.4	408.0	407.2	407.0	406.4	405.0	404.5	403.0
135.0	408.8	408.9	408.7	407.9	407.0	406.8	405.8	404.2	403.4	401.7
180.0	408.8	408.9	408.7	407.9	407.0	406.8	405.8	404.2	403.4	401.7
225.0	408.8	408.3	408.1	407.7	407.7	406.3	405.6	405.3	403.9	402.9
270.0	408.8	408.3	408.1	407.7	407.7	406.3	405.6	405.3	403.9	402.9
315.0	408.8	409.3	408.7	408.7	408.3	407.8	407.1	406.7	405.2	404.4
360.0	408.8	409.3	408.7	408.7	408.3	407.8	407.1	406.7	405.2	404.4

C\G	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	403.4	401.7	400.2	398.4	397.0	395.1	392.9	390.2	388.2	386.0
45.0	401.2	399.8	398.7	396.4	395.4	392.7	390.8	388.3	385.6	383.8
90.0	401.2	399.8	398.7	396.4	395.4	392.7	390.8	388.3	385.6	383.8
135.0	400.5	399.6	397.1	395.2	392.9	391.0	388.6	386.0	384.1	380.6
180.0	400.5	399.6	397.1	395.2	392.9	391.0	388.6	386.0	384.1	380.6
225.0	400.6	399.5	398.3	396.7	394.2	392.0	390.1	387.6	385.5	382.4
270.0	400.6	399.5	398.3	396.7	394.2	392.0	390.1	387.6	385.5	382.4
315.0	403.4	401.7	400.2	398.4	397.0	395.1	392.9	390.2	388.2	386.0
360.0	403.4	401.7	400.2	398.4	397.0	395.1	392.9	390.2	388.2	386.0

C\G	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	383.0	380.2	377.2	374.5	371.0	367.7	363.9	360.6	356.6	352.9
45.0	381.0	377.9	375.0	372.4	369.0	365.4	362.5	357.8	354.5	350.2
90.0	381.0	377.9	375.0	372.4	369.0	365.4	362.5	357.8	354.5	350.2
135.0	377.9	375.0	371.4	368.6	365.2	361.6	357.9	354.4	350.6	346.5
180.0	377.9	375.0	371.4	368.6	365.2	361.6	357.9	354.4	350.6	346.5
225.0	379.7	377.1	373.9	370.9	367.8	364.2	360.6	357.6	353.1	349.5
270.0	379.7	377.1	373.9	370.9	367.8	364.2	360.6	357.6	353.1	349.5
315.0	383.0	380.2	377.2	374.5	371.0	367.7	363.9	360.6	356.6	352.9
360.0	383.0	380.2	377.2	374.5	371.0	367.7	363.9	360.6	356.6	352.9

C\G	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	349.8	345.7	341.3	336.6	332.4	327.2	323.5	318.7	313.9	308.6
45.0	347.0	342.4	338.1	334.0	329.4	325.3	321.2	315.4	310.8	306.0
90.0	347.0	342.4	338.1	334.0	329.4	325.3	321.2	315.4	310.8	306.0
135.0	342.8	337.9	333.7	328.9	325.2	320.3	315.4	310.6	305.3	300.3
180.0	342.8	337.9	333.7	328.9	325.2	320.3	315.4	310.6	305.3	300.3
225.0	345.4	341.3	336.6	332.1	327.7	322.9	319.0	314.4	308.8	304.3
270.0	345.4	341.3	336.6	332.1	327.7	322.9	319.0	314.4	308.8	304.3
315.0	349.8	345.7	341.3	336.6	332.4	327.2	323.5	318.7	313.9	308.6
360.0	349.8	345.7	341.3	336.6	332.4	327.2	323.5	318.7	313.9	308.6

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	303.8	299.1	293.6	288.4	282.5	276.9	271.3	266.0	260.5	254.4
45.0	300.4	296.3	290.4	285.3	279.3	273.7	268.1	263.1	257.5	251.7
90.0	300.4	296.3	290.4	285.3	279.3	273.7	268.1	263.1	257.5	251.7
135.0	295.8	290.1	285.1	279.4	273.9	268.4	262.9	257.7	251.5	245.4
180.0	295.8	290.1	285.1	279.4	273.9	268.4	262.9	257.7	251.5	245.4
225.0	298.3	294.0	288.6	283.0	277.9	272.1	267.1	261.6	255.6	249.8
270.0	298.3	294.0	288.6	283.0	277.9	272.1	267.1	261.6	255.6	249.8
315.0	303.8	299.1	293.6	288.4	282.5	276.9	271.3	266.0	260.5	254.4
360.0	303.8	299.1	293.6	288.4	282.5	276.9	271.3	266.0	260.5	254.4

C\G	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	248.1	242.3	236.2	229.8	225.0	218.4	212.9	206.0	201.0	194.8
45.0	245.5	239.4	233.8	228.3	222.1	215.4	210.1	203.3	198.1	191.9
90.0	245.5	239.4	233.8	228.3	222.1	215.4	210.1	203.3	198.1	191.9
135.0	239.6	234.8	228.9	222.5	216.5	210.5	204.5	200.0	193.3	187.6
180.0	239.6	234.8	228.9	222.5	216.5	210.5	204.5	200.0	193.3	187.6
225.0	243.4	237.9	231.2	226.4	220.5	214.2	208.6	202.6	197.4	191.6
270.0	243.4	237.9	231.2	226.4	220.5	214.2	208.6	202.6	197.4	191.6
315.0	248.1	242.3	236.2	229.8	225.0	218.4	212.9	206.0	201.0	194.8
360.0	248.1	242.3	236.2	229.8	225.0	218.4	212.9	206.0	201.0	194.8

C\G	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	189.1	182.7	176.8	170.6	164.5	159.7	153.7	148.5	142.2	137.4
45.0	186.4	180.1	173.8	168.4	163.4	157.4	152.0	146.4	141.2	136.4
90.0	186.4	180.1	173.8	168.4	163.4	157.4	152.0	146.4	141.2	136.4
135.0	181.9	175.9	170.4	165.6	160.0	154.0	148.7	143.1	138.7	133.1
180.0	181.9	175.9	170.4	165.6	160.0	154.0	148.7	143.1	138.7	133.1
225.0	185.5	180.0	174.2	168.4	163.4	158.4	151.7	146.6	141.4	135.8
270.0	185.5	180.0	174.2	168.4	163.4	158.4	151.7	146.6	141.4	135.8
315.0	189.1	182.7	176.8	170.6	164.5	159.7	153.7	148.5	142.2	137.4
360.0	189.1	182.7	176.8	170.6	164.5	159.7	153.7	148.5	142.2	137.4

C\G	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	131.7	126.9	121.7	116.5	111.5	106.8	102.3	97.5	93.7	88.4
45.0	131.2	125.5	120.5	115.3	110.6	106.1	101.6	96.5	92.6	87.3
90.0	131.2	125.5	120.5	115.3	110.6	106.1	101.6	96.5	92.6	87.3
135.0	127.9	122.5	118.2	112.5	108.2	103.3	99.2	94.7	89.6	85.8
180.0	127.9	122.5	118.2	112.5	108.2	103.3	99.2	94.7	89.6	85.8
225.0	131.7	125.8	121.1	115.8	111.1	106.7	101.8	97.5	92.8	88.1
270.0	131.7	125.8	121.1	115.8	111.1	106.7	101.8	97.5	92.8	88.1
315.0	131.7	126.9	121.7	116.5	111.5	106.8	102.3	97.5	93.7	88.4
360.0	131.7	126.9	121.7	116.5	111.5	106.8	102.3	97.5	93.7	88.4

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	84.4	79.9	76.6	72.7	68.7	64.7	60.8	58.3	54.1	50.9
45.0	83.1	79.4	75.0	70.7	66.8	62.6	58.6	55.8	51.6	48.4
90.0	83.1	79.4	75.0	70.7	66.8	62.6	58.6	55.8	51.6	48.4
135.0	81.3	77.3	73.6	68.9	65.4	61.4	57.9	54.3	50.9	47.7
180.0	81.3	77.3	73.6	68.9	65.4	61.4	57.9	54.3	50.9	47.7
225.0	83.8	80.4	76.0	71.3	67.3	63.0	59.7	56.0	52.8	49.1
270.0	83.8	80.4	76.0	71.3	67.3	63.0	59.7	56.0	52.8	49.1
315.0	84.4	79.9	76.6	72.7	68.7	64.7	60.8	58.3	54.1	50.9
360.0	84.4	79.9	76.6	72.7	68.7	64.7	60.8	58.3	54.1	50.9

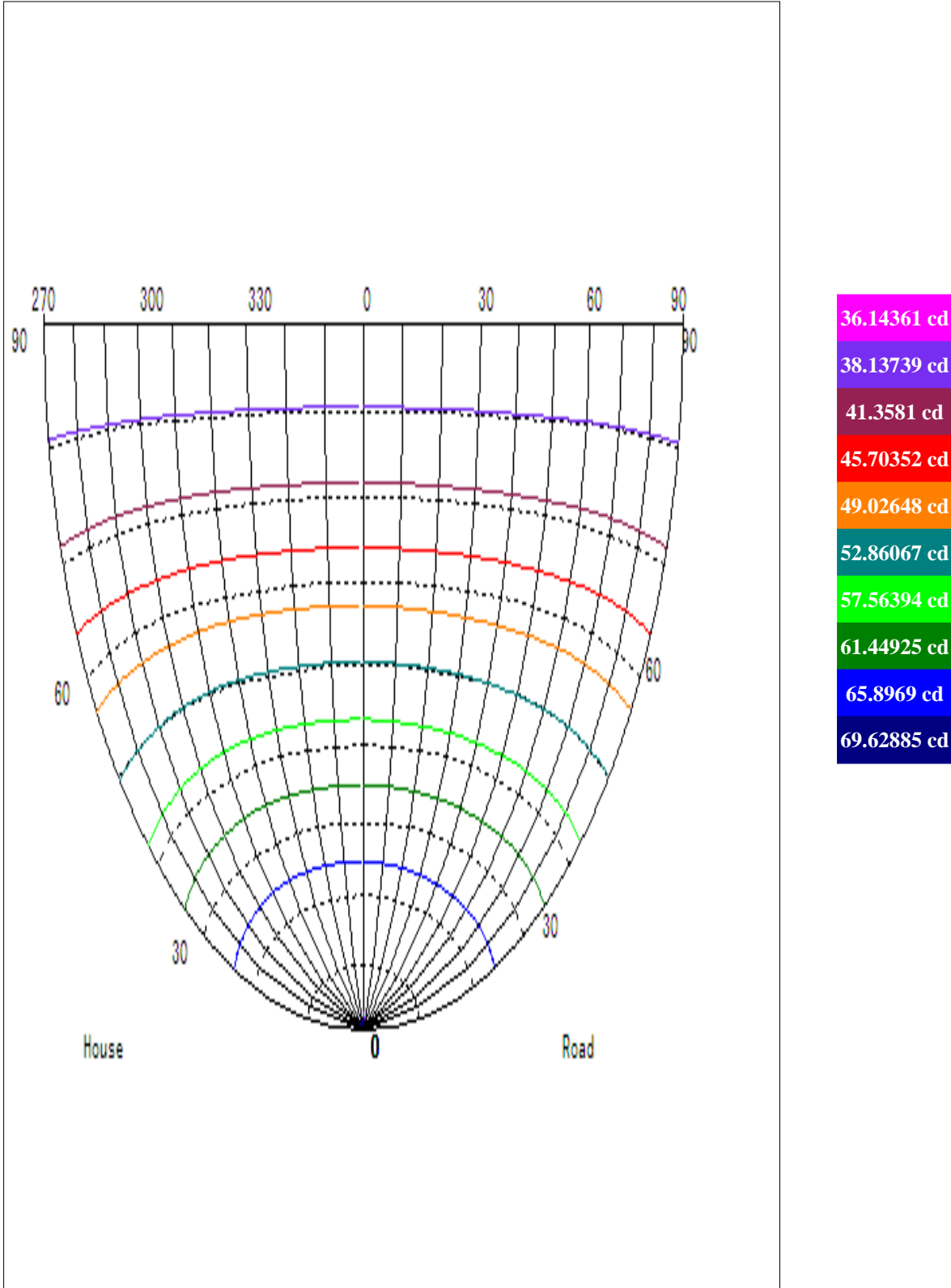
C\G	90.0
0.0	49.5
45.0	44.9
90.0	44.9
135.0	44.7
180.0	44.7
225.0	47.6
270.0	47.6
315.0	49.5
360.0	49.5

Zonal Flux Distribution

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0	408.84	0.00	0.00	0.00	0.00
1	408.66	0.39	0.39	0.03	0.03
2	408.49	1.17	1.56	0.09	0.12
3	408.09	1.95	3.52	0.15	0.28
4	407.57	2.73	6.25	0.22	0.50
5	406.97	3.50	9.75	0.28	0.77
6	406.23	4.27	14.03	0.34	1.11
7	405.32	5.04	19.06	0.40	1.51
8	404.25	5.79	24.86	0.46	1.97
9	403.00	6.54	31.40	0.52	2.49
10	401.45	7.28	38.68	0.58	3.07
11	400.16	8.01	46.69	0.64	3.70
12	398.59	8.73	55.42	0.69	4.40
13	396.67	9.44	64.86	0.75	5.14
14	394.87	10.13	74.99	0.80	5.95
15	392.70	10.81	85.80	0.86	6.81
16	390.59	11.48	97.28	0.91	7.72
17	388.01	12.12	109.40	0.96	8.68
18	385.83	12.76	122.16	1.01	9.69
19	383.20	13.38	135.54	1.06	10.75
20	380.39	13.98	149.52	1.11	11.86
21	377.57	14.55	164.07	1.15	13.02
22	374.37	15.11	179.18	1.20	14.21
23	371.62	15.65	194.84	1.24	15.46
24	368.25	16.18	211.01	1.28	16.74
25	364.72	16.67	227.68	1.32	18.06
26	361.22	17.14	244.81	1.36	19.42
27	357.59	17.59	262.40	1.40	20.81
28	353.72	18.01	280.41	1.43	22.24
29	349.77	18.41	298.81	1.46	23.70
30	346.25	18.79	317.61	1.49	25.19
31	341.82	19.15	336.75	1.52	26.71
32	337.42	19.46	356.21	1.54	28.26
33	332.91	19.75	375.96	1.57	29.82
34	328.70	20.02	395.98	1.59	31.41
35	323.94	20.27	416.25	1.61	33.02
36	319.75	20.50	436.75	1.63	34.65
37	314.76	20.69	457.44	1.64	36.29
38	309.67	20.84	478.28	1.65	37.94
39	304.78	20.97	499.26	1.66	39.60
40	299.58	21.08	520.34	1.67	41.28

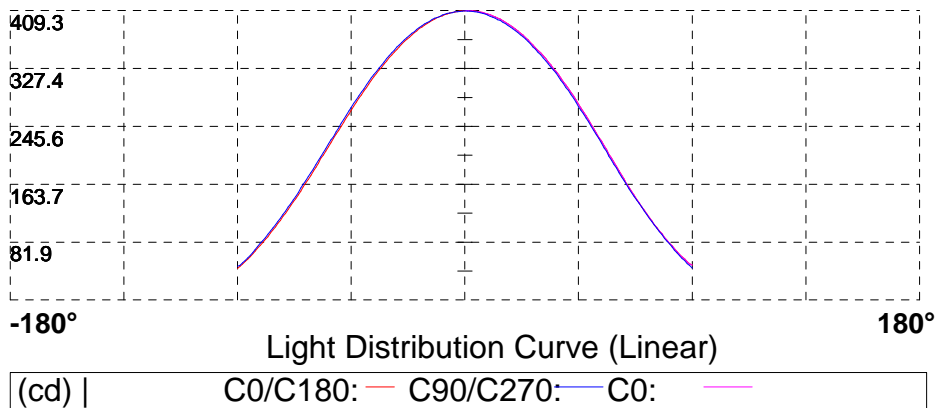
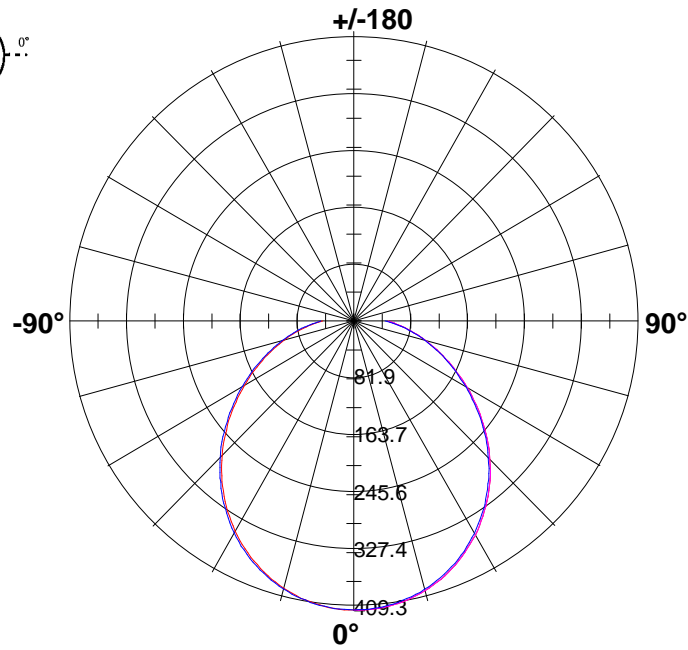
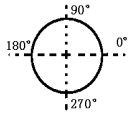
Zonal Flux Distribution

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
41	294.87	21.17	541.50	1.68	42.96
42	289.42	21.23	562.73	1.68	44.64
43	284.04	21.24	583.97	1.69	46.32
44	278.40	21.23	605.20	1.68	48.01
45	272.78	21.18	626.38	1.68	49.69
46	267.36	21.12	647.51	1.68	51.36
47	262.08	21.06	668.57	1.67	53.03
48	256.26	20.95	689.52	1.66	54.70
49	250.35	20.80	710.32	1.65	56.35
50	244.16	20.62	730.94	1.64	57.98
51	238.59	20.42	751.37	1.62	59.60
52	232.52	20.22	771.58	1.60	61.21
53	226.74	19.98	791.56	1.58	62.79
54	221.03	19.74	811.29	1.57	64.36
55	214.63	19.45	830.74	1.54	65.90
56	209.03	19.14	849.89	1.52	67.42
57	202.98	18.84	868.72	1.49	68.91
58	197.46	18.52	887.24	1.47	70.38
59	191.45	18.18	905.42	1.44	71.82
60	185.73	17.82	923.24	1.41	73.24
61	179.63	17.44	940.68	1.38	74.62
62	173.79	17.03	957.71	1.35	75.97
63	168.26	16.64	974.34	1.32	77.29
64	162.84	16.25	990.59	1.29	78.58
65	157.37	15.85	1006.44	1.26	79.84
66	151.53	15.41	1021.85	1.22	81.06
67	146.16	14.97	1036.82	1.19	82.25
68	140.88	14.54	1051.36	1.15	83.40
69	135.65	14.11	1065.47	1.12	84.52
70	130.62	13.68	1079.14	1.08	85.60
71	125.16	13.22	1092.36	1.05	86.65
72	120.38	12.77	1105.13	1.01	87.66
73	115.03	12.31	1117.44	0.98	88.64
74	110.36	11.85	1129.29	0.94	89.58
75	105.75	11.42	1140.71	0.91	90.49
76	101.24	10.99	1151.69	0.87	91.36
77	96.54	10.54	1162.24	0.84	92.20
78	92.15	10.10	1172.34	0.80	93.00
79	87.41	9.65	1181.99	0.77	93.76
80	83.16	9.20	1191.18	0.73	94.49
81	79.25	8.78	1199.97	0.70	95.19

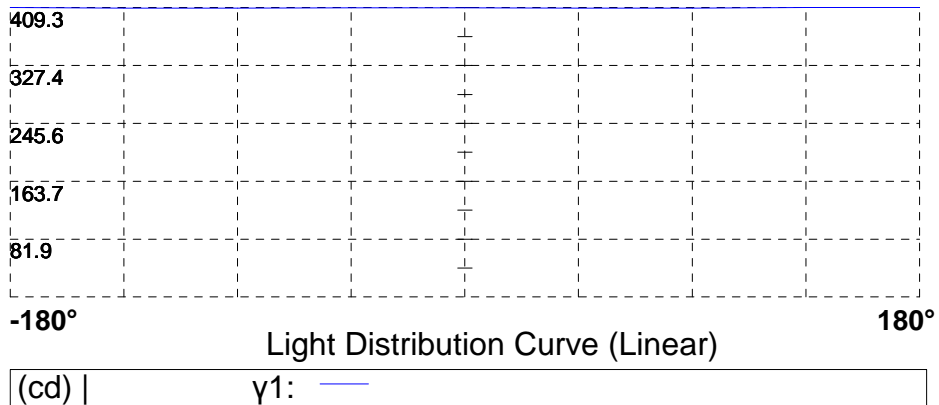
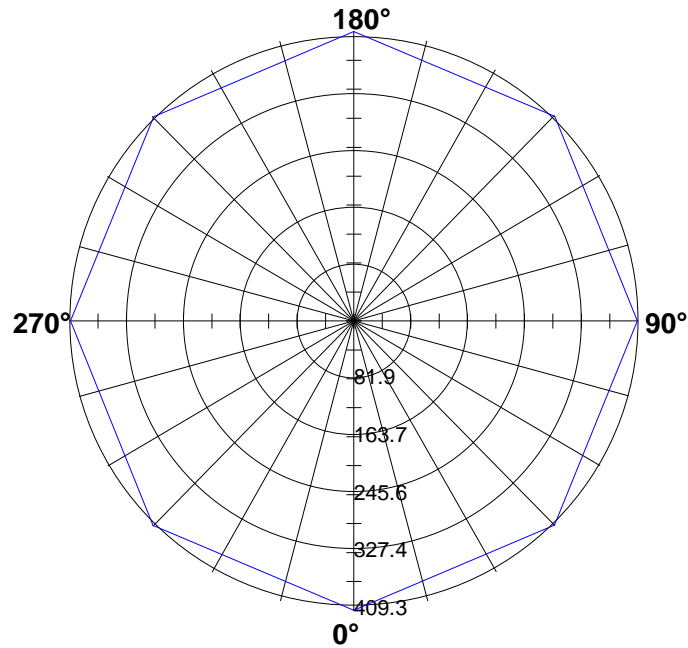


Light Distribution Curve [Unit: cd]

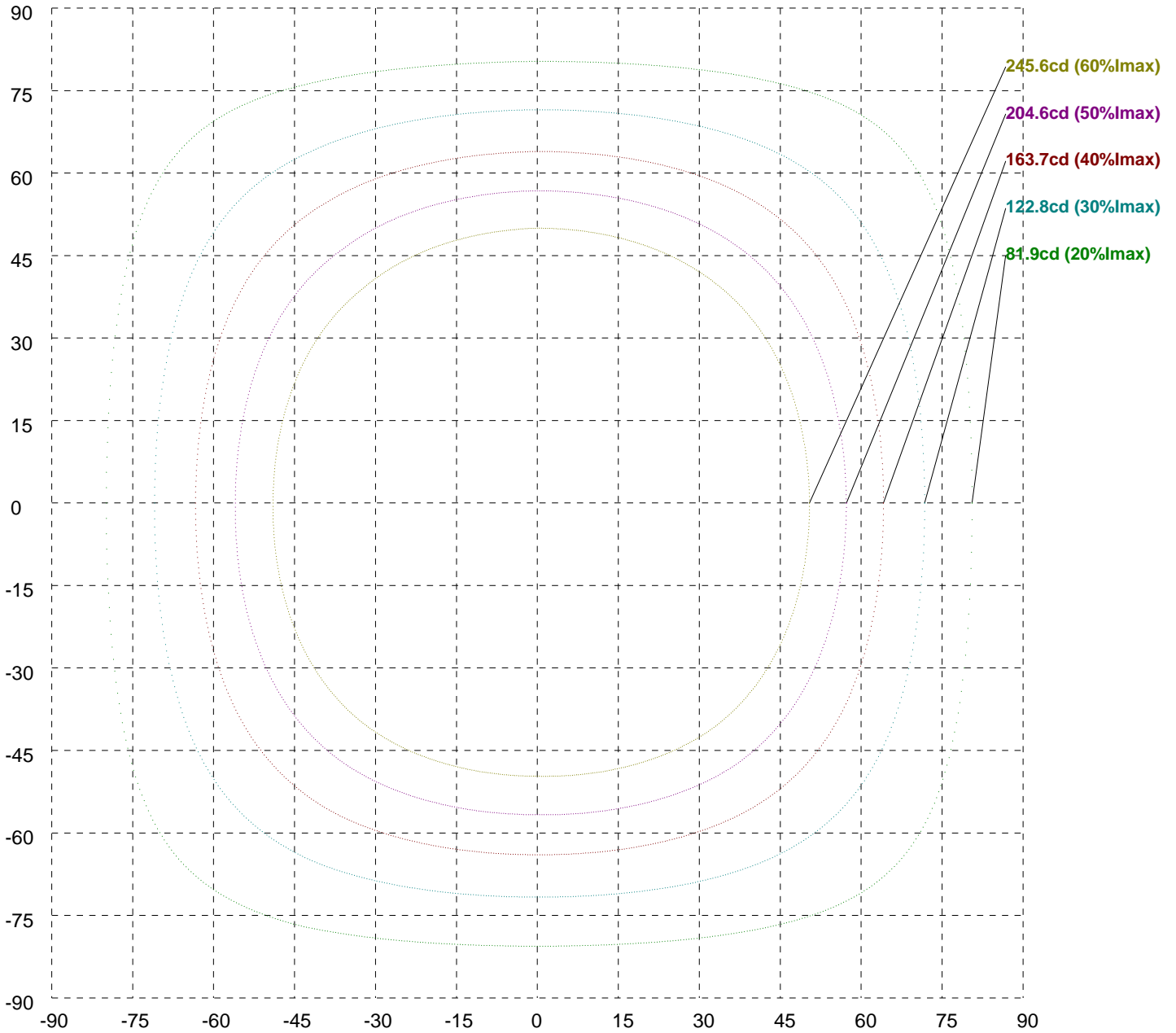
Luminaire



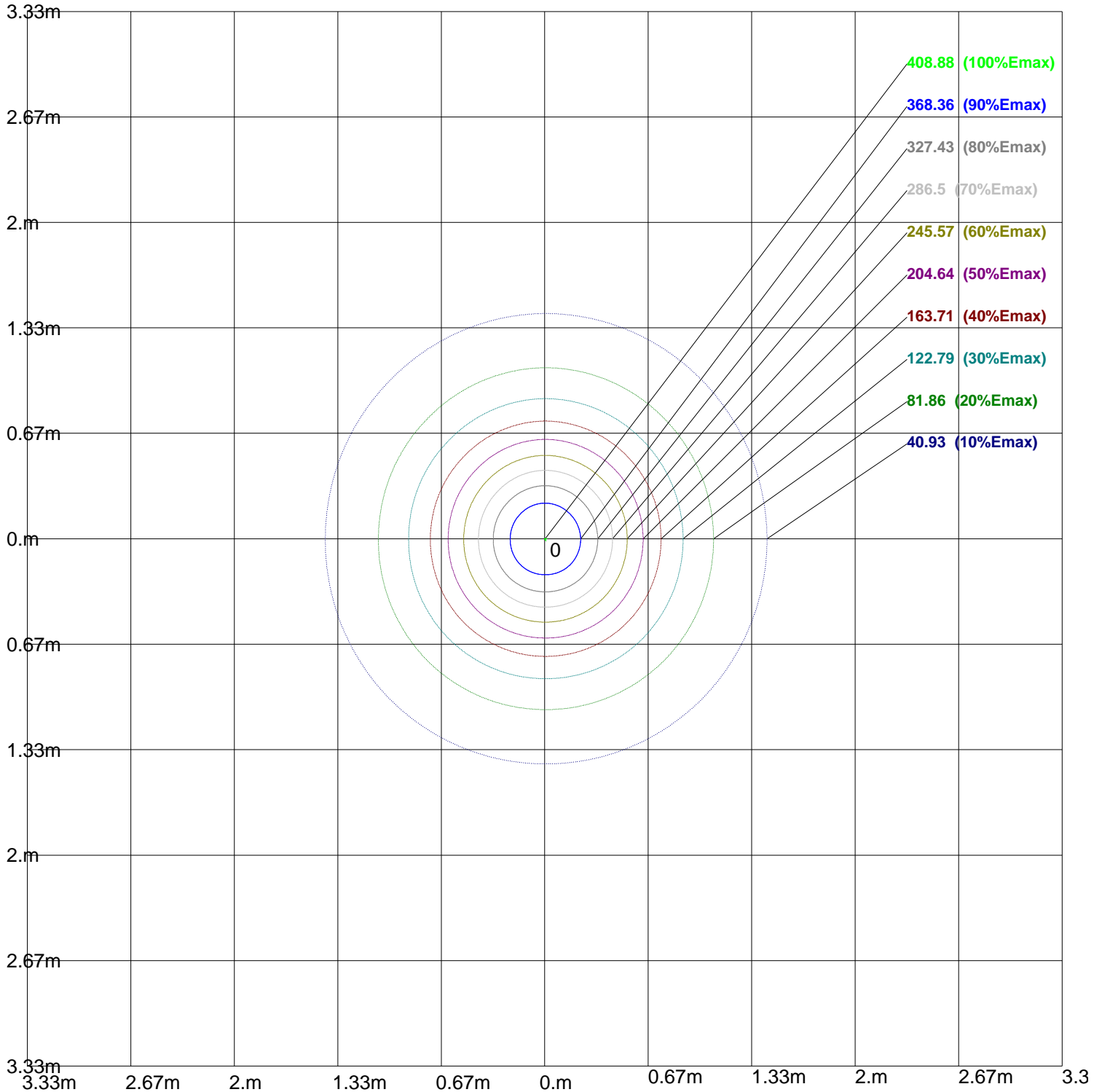
Max Plane Light Distribution Curve [Unit: cd]



等光强曲线 V-H [cd]



Iso-Lux[lx]



Height: 1 m
Max Illuminance : 409.29lx

Luminance Limiting Curve

Diameter: 330mm

Length: mm

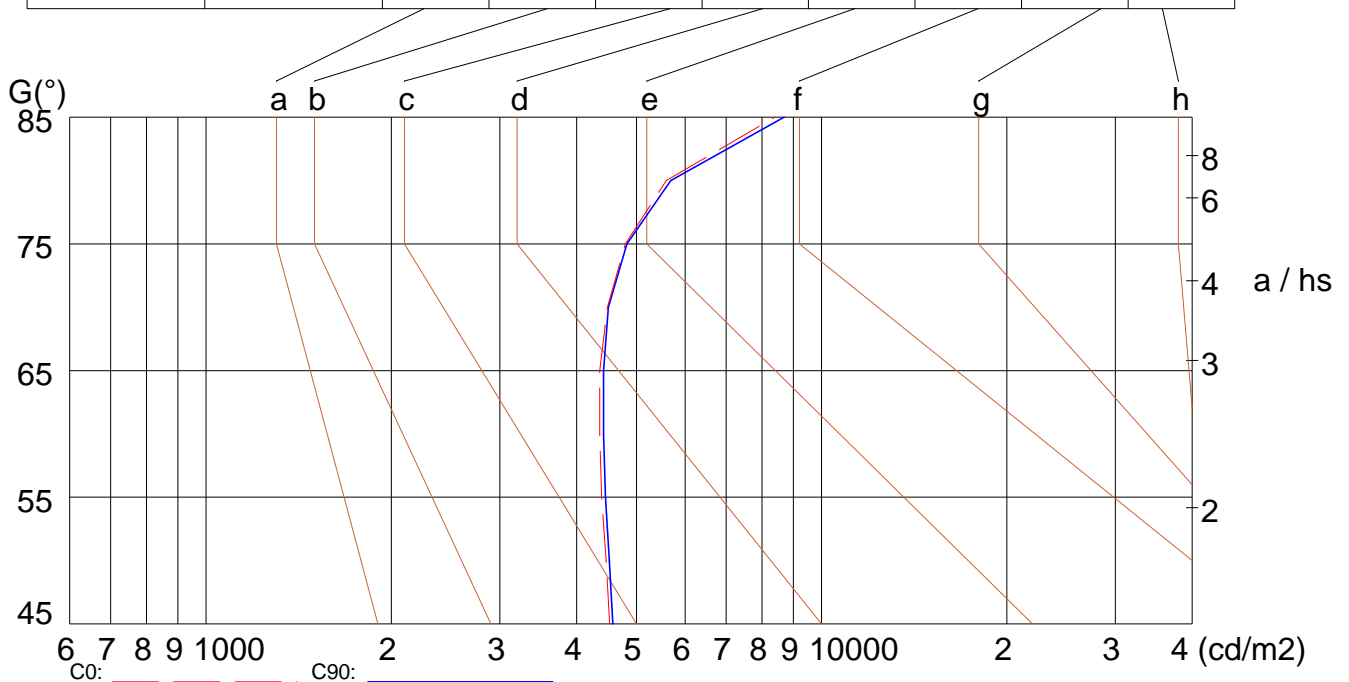
Width: 330mm

Height: 100mm

(cd/m²)

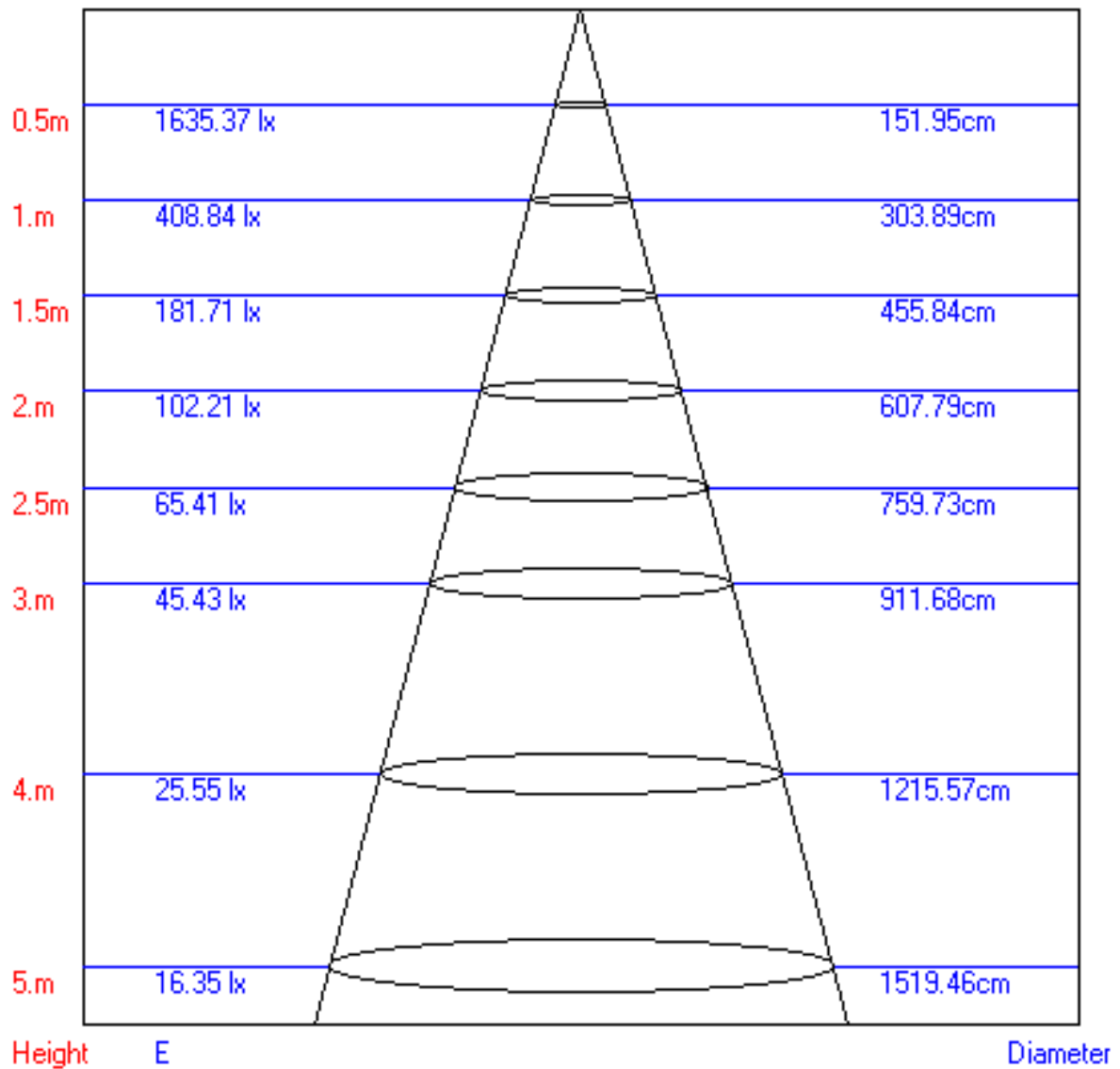
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	4526	4468	4392	4361	4356	4486	4796	5595	8397
C90	4581	4515	4454	4422	4420	4503	4826	5685	8685

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:113.30°

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	1.01	0.99	0.97	1.00	0.97	0.95	0.96	0.94	0.91	0.92	0.89	0.86	0.86	0.83	0.80	0.75
2	0.84	0.81	0.79	0.84	0.80	0.78	0.82	0.78	0.75	0.79	0.75	0.71	0.75	0.70	0.66	0.62
3	0.71	0.68	0.66	0.72	0.68	0.65	0.71	0.66	0.62	0.69	0.64	0.59	0.66	0.61	0.56	0.51
4	0.61	0.58	0.56	0.62	0.58	0.55	0.62	0.57	0.53	0.61	0.55	0.50	0.59	0.53	0.48	0.44
5	0.53	0.50	0.48	0.54	0.50	0.47	0.55	0.50	0.46	0.54	0.48	0.44	0.53	0.47	0.41	0.38
6	0.47	0.44	0.42	0.48	0.44	0.41	0.49	0.44	0.40	0.49	0.43	0.38	0.49	0.42	0.36	0.33
7	0.42	0.39	0.37	0.43	0.39	0.37	0.44	0.39	0.35	0.45	0.38	0.34	0.45	0.38	0.32	0.29
8	0.37	0.35	0.33	0.39	0.35	0.33	0.40	0.35	0.31	0.41	0.35	0.30	0.41	0.34	0.29	0.26
9	0.34	0.31	0.30	0.35	0.31	0.29	0.37	0.32	0.28	0.37	0.31	0.27	0.38	0.31	0.26	0.23
10	0.31	0.28	0.27	0.32	0.29	0.27	0.34	0.29	0.26	0.35	0.29	0.25	0.35	0.29	0.24	0.21

