

Luminaire Property

Luminaire: RH-D02 22W 3000K

Report NO.:

Test NO.:

Lamp:

Sum Lumens: 1745.72 lm

Number of Lamps: 1

Diameter: 380mm

Length: mm

Photometric Type: Type C

Voltage: 230.1 V

Current: 0.088 A

Power: 19.3 W

Power Factor: 0.944

Ballast Type: EBP021C0250C1 56-85V 250mA

Width: 380mm

Height: 100mm

Remark: 48pcs SMD5730 2B24C

Photometric Results

Lumens: 1745.72 lm

Efficiency: 90.4518 lm/W

Central Intensity: 560.53cd

Maximum Intensity: 561.018cd

Angle of maximum intensity: C:135.0 G:1.0

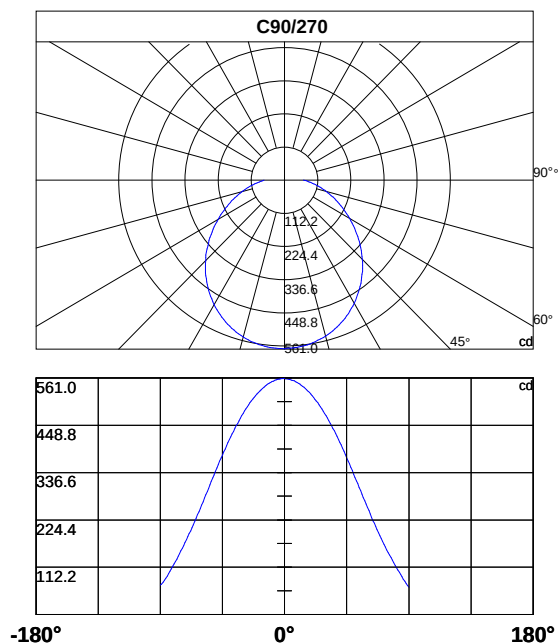
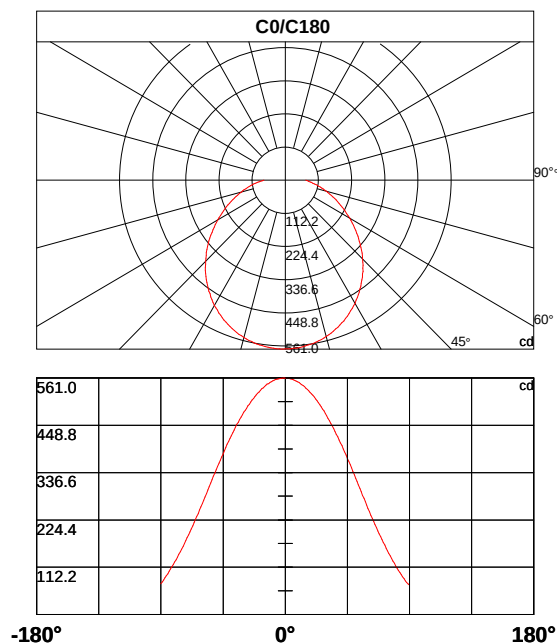
Half Peak Side Angle(50%): Left: -57.3 Right:56.8

Light Out Rate(LOR) : 100.00%

Up Flux Rate: 0.0%

Down Flux Rate: 100.0%

Beam Angle(10%): Left: -57.3 Right:56.3



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	560.5	560.6	560.5	559.3	558.8	558.1	556.5	555.1	553.4	552.0
45.0	560.5	558.7	559.0	558.0	557.5	556.2	554.9	553.9	552.3	550.8
90.0	560.5	558.7	559.0	558.0	557.5	556.2	554.9	553.9	552.3	550.8
135.0	560.5	561.0	560.7	560.5	559.7	558.8	558.4	557.1	555.5	553.9
180.0	560.5	561.0	560.7	560.5	559.7	558.8	558.4	557.1	555.5	553.9
225.0	560.5	559.5	559.4	558.6	558.2	557.8	556.7	555.5	553.6	553.1
270.0	560.5	559.5	559.4	558.6	558.2	557.8	556.7	555.5	553.6	553.1
315.0	560.5	560.6	560.5	559.3	558.8	558.1	556.5	555.1	553.4	552.0
360.0	560.5	560.6	560.5	559.3	558.8	558.1	556.5	555.1	553.4	552.0

C\G	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0
0.0	550.1	547.6	545.3	543.1	540.3	537.3	533.7	530.9	527.2	523.3
45.0	548.2	546.3	543.8	541.4	539.4	536.3	533.2	529.7	526.8	522.9
90.0	548.2	546.3	543.8	541.4	539.4	536.3	533.2	529.7	526.8	522.9
135.0	552.0	550.8	547.7	546.3	543.8	541.0	537.7	535.2	531.5	528.2
180.0	552.0	550.8	547.7	546.3	543.8	541.0	537.7	535.2	531.5	528.2
225.0	550.4	548.9	547.2	544.5	541.9	539.3	536.3	533.3	530.3	526.1
270.0	550.4	548.9	547.2	544.5	541.9	539.3	536.3	533.3	530.3	526.1
315.0	550.1	547.6	545.3	543.1	540.3	537.3	533.7	530.9	527.2	523.3
360.0	550.1	547.6	545.3	543.1	540.3	537.3	533.7	530.9	527.2	523.3

C\G	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0
0.0	520.0	515.4	511.4	507.3	502.7	497.7	493.0	487.2	482.7	477.2
45.0	519.3	514.8	510.6	506.7	502.3	497.3	492.7	487.6	481.8	477.2
90.0	519.3	514.8	510.6	506.7	502.3	497.3	492.7	487.6	481.8	477.2
135.0	525.0	521.0	517.0	512.2	508.8	504.1	499.3	494.8	489.2	484.6
180.0	525.0	521.0	517.0	512.2	508.8	504.1	499.3	494.8	489.2	484.6
225.0	523.3	518.7	515.2	511.3	506.4	502.3	497.0	492.8	487.1	482.7
270.0	523.3	518.7	515.2	511.3	506.4	502.3	497.0	492.8	487.1	482.7
315.0	520.0	515.4	511.4	507.3	502.7	497.7	493.0	487.2	482.7	477.2
360.0	520.0	515.4	511.4	507.3	502.7	497.7	493.0	487.2	482.7	477.2

C\G	30.0	31.0	32.0	33.0	34.0	35.0	36.0	37.0	38.0	39.0
0.0	471.8	465.4	459.6	453.5	448.3	441.2	434.7	427.8	421.0	414.2
45.0	471.5	465.9	459.9	453.5	447.8	441.2	435.8	429.1	422.6	414.7
90.0	471.5	465.9	459.9	453.5	447.8	441.2	435.8	429.1	422.6	414.7
135.0	479.6	474.0	468.2	462.6	455.7	450.7	444.2	437.6	431.3	424.1
180.0	479.6	474.0	468.2	462.6	455.7	450.7	444.2	437.6	431.3	424.1
225.0	476.9	471.3	465.4	459.6	453.3	447.6	441.7	434.4	428.4	421.1
270.0	476.9	471.3	465.4	459.6	453.3	447.6	441.7	434.4	428.4	421.1
315.0	471.8	465.4	459.6	453.5	448.3	441.2	434.7	427.8	421.0	414.2
360.0	471.8	465.4	459.6	453.5	448.3	441.2	434.7	427.8	421.0	414.2

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	406.8	400.8	392.9	386.0	378.0	370.0	363.7	355.5	347.8	339.2
45.0	408.3	402.0	394.8	386.8	379.4	371.9	363.9	357.4	349.2	341.4
90.0	408.3	402.0	394.8	386.8	379.4	371.9	363.9	357.4	349.2	341.4
135.0	417.4	410.8	404.0	396.6	388.7	380.9	373.6	366.0	359.4	351.3
180.0	417.4	410.8	404.0	396.6	388.7	380.9	373.6	366.0	359.4	351.3
225.0	415.1	408.0	400.4	392.9	385.7	377.7	371.0	363.9	355.6	347.5
270.0	415.1	408.0	400.4	392.9	385.7	377.7	371.0	363.9	355.6	347.5
315.0	406.8	400.8	392.9	386.0	378.0	370.0	363.7	355.5	347.8	339.2
360.0	406.8	400.8	392.9	386.0	378.0	370.0	363.7	355.5	347.8	339.2

C\G	50.0	51.0	52.0	53.0	54.0	55.0	56.0	57.0	58.0	59.0
0.0	331.0	322.8	315.6	307.9	299.2	291.5	282.5	275.5	267.9	259.6
45.0	333.0	325.1	317.0	310.4	301.5	294.0	285.6	277.2	269.1	261.7
90.0	333.0	325.1	317.0	310.4	301.5	294.0	285.6	277.2	269.1	261.7
135.0	342.8	335.2	328.1	319.8	311.8	303.2	295.1	287.0	279.0	271.4
180.0	342.8	335.2	328.1	319.8	311.8	303.2	295.1	287.0	279.0	271.4
225.0	339.1	331.1	324.4	316.1	307.6	299.4	291.4	284.1	276.3	267.3
270.0	339.1	331.1	324.4	316.1	307.6	299.4	291.4	284.1	276.3	267.3
315.0	331.0	322.8	315.6	307.9	299.2	291.5	282.5	275.5	267.9	259.6
360.0	331.0	322.8	315.6	307.9	299.2	291.5	282.5	275.5	267.9	259.6

C\G	60.0	61.0	62.0	63.0	64.0	65.0	66.0	67.0	68.0	69.0
0.0	251.4	243.6	235.4	227.8	220.9	213.4	205.6	198.4	190.9	184.8
45.0	254.4	246.4	238.2	230.3	222.7	216.5	208.6	201.5	193.8	186.8
90.0	254.4	246.4	238.2	230.3	222.7	216.5	208.6	201.5	193.8	186.8
135.0	263.9	255.4	247.8	239.6	232.4	225.7	217.7	210.6	202.8	195.6
180.0	263.9	255.4	247.8	239.6	232.4	225.7	217.7	210.6	202.8	195.6
225.0	259.5	251.6	243.9	236.5	228.5	221.3	212.9	205.7	198.0	192.2
270.0	259.5	251.6	243.9	236.5	228.5	221.3	212.9	205.7	198.0	192.2
315.0	251.4	243.6	235.4	227.8	220.9	213.4	205.6	198.4	190.9	184.8
360.0	251.4	243.6	235.4	227.8	220.9	213.4	205.6	198.4	190.9	184.8

C\G	70.0	71.0	72.0	73.0	74.0	75.0	76.0	77.0	78.0	79.0
0.0	177.8	170.6	164.4	157.6	150.8	145.2	138.7	132.7	126.3	121.3
45.0	180.8	174.0	166.5	160.0	153.6	146.6	141.4	134.9	128.6	122.6
90.0	180.8	174.0	166.5	160.0	153.6	146.6	141.4	134.9	128.6	122.6
135.0	188.9	182.1	175.5	168.2	161.5	154.7	148.9	142.7	135.9	130.0
180.0	188.9	182.1	175.5	168.2	161.5	154.7	148.9	142.7	135.9	130.0
225.0	185.0	177.4	170.5	163.4	157.3	151.1	144.4	138.0	131.6	125.4
270.0	185.0	177.4	170.5	163.4	157.3	151.1	144.4	138.0	131.6	125.4
315.0	177.8	170.6	164.4	157.6	150.8	145.2	138.7	132.7	126.3	121.3
360.0	177.8	170.6	164.4	157.6	150.8	145.2	138.7	132.7	126.3	121.3

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	114.8	110.4	104.7	99.5	94.6	89.4	84.9	80.0	75.8	72.0
45.0	116.4	110.8	105.6	100.0	94.5	89.5	83.6	79.0	73.9	69.2
90.0	116.4	110.8	105.6	100.0	94.5	89.5	83.6	79.0	73.9	69.2
135.0	124.2	118.1	113.5	107.6	102.6	96.9	92.1	87.1	81.7	77.3
180.0	124.2	118.1	113.5	107.6	102.6	96.9	92.1	87.1	81.7	77.3
225.0	119.8	114.3	108.2	102.8	97.0	91.4	86.0	81.3	76.6	72.1
270.0	119.8	114.3	108.2	102.8	97.0	91.4	86.0	81.3	76.6	72.1
315.0	114.8	110.4	104.7	99.5	94.6	89.4	84.9	80.0	75.8	72.0
360.0	114.8	110.4	104.7	99.5	94.6	89.4	84.9	80.0	75.8	72.0

C\G	90.0
0.0	69.8
45.0	64.3
90.0	64.3
135.0	72.6
180.0	72.6
225.0	69.7
270.0	69.7
315.0	69.8
360.0	69.8

Zonal Flux Distribution

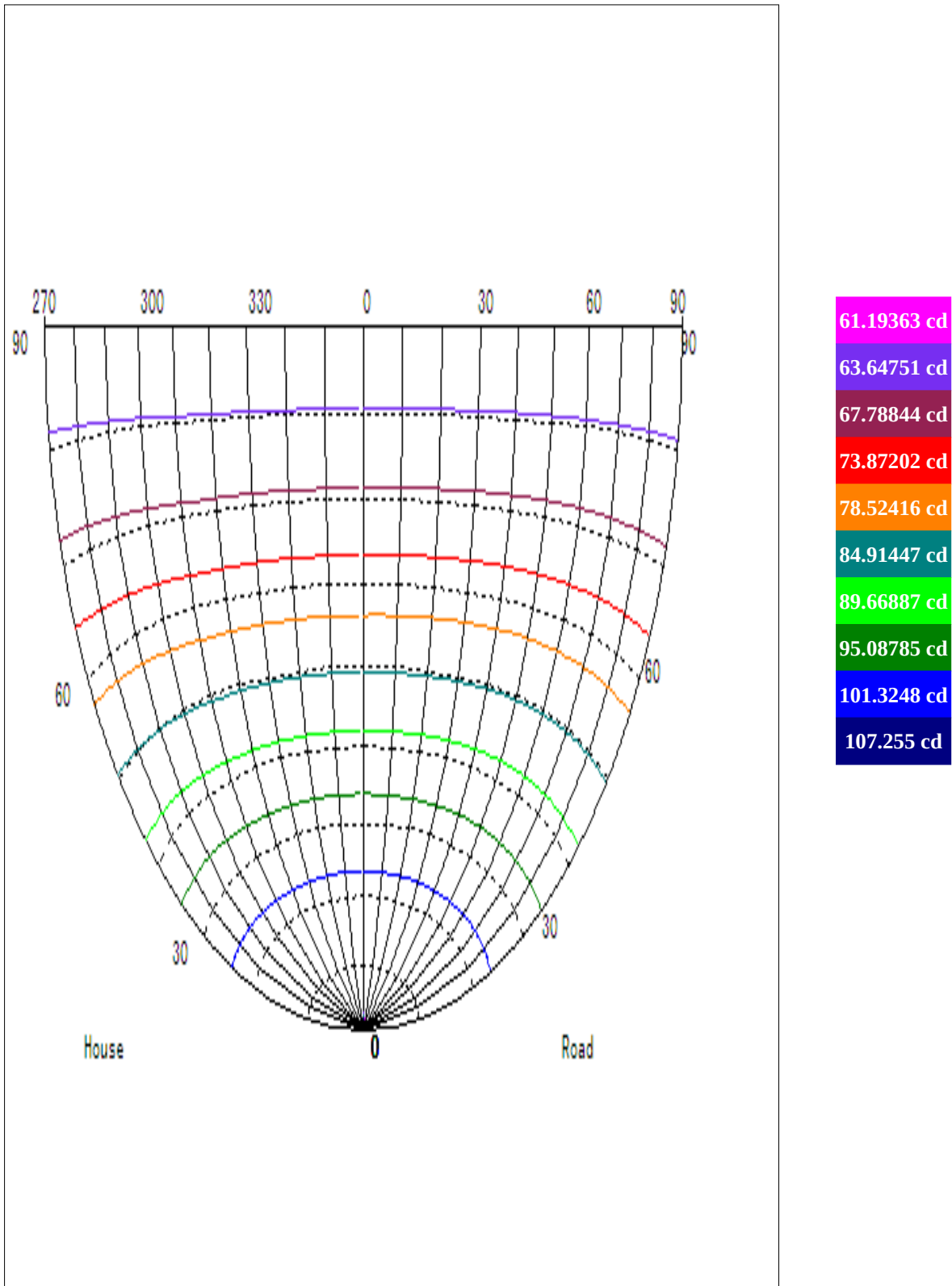
Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
0	560.53	0.00	0.00	0.00	0.00
1	559.93	0.54	0.54	0.03	0.03
2	559.88	1.61	2.14	0.09	0.12
3	559.11	2.68	4.82	0.15	0.28
4	558.54	3.74	8.56	0.21	0.49
5	557.73	4.80	13.36	0.28	0.77
6	556.61	5.86	19.22	0.34	1.10
7	555.42	6.90	26.12	0.40	1.50
8	553.70	7.94	34.06	0.45	1.95
9	552.46	8.96	43.02	0.51	2.46
10	550.21	9.98	53.00	0.57	3.04
11	548.40	10.98	63.98	0.63	3.66
12	546.00	11.96	75.94	0.69	4.35
13	543.84	12.93	88.88	0.74	5.09
14	541.34	13.89	102.77	0.80	5.89
15	538.47	14.82	117.59	0.85	6.74
16	535.24	15.73	133.32	0.90	7.64
17	532.25	16.62	149.95	0.95	8.59
18	528.95	17.50	167.44	1.00	9.59
19	525.10	18.34	185.78	1.05	10.64
20	521.90	19.16	204.95	1.10	11.74
21	517.49	19.96	224.90	1.14	12.88
22	513.55	20.72	245.62	1.19	14.07
23	509.38	21.46	267.09	1.23	15.30
24	505.04	22.18	289.27	1.27	16.57
25	500.32	22.86	312.13	1.31	17.88
26	495.50	23.51	335.63	1.35	19.23
27	490.58	24.12	359.76	1.38	20.61
28	485.19	24.70	384.46	1.42	22.02
29	480.42	25.26	409.73	1.45	23.47
30	474.95	25.80	435.52	1.48	24.95
31	469.16	26.27	461.79	1.51	26.45
32	463.28	26.71	488.51	1.53	27.98
33	457.32	27.12	515.63	1.55	29.54
34	451.26	27.50	543.13	1.58	31.11
35	445.19	27.84	570.97	1.59	32.71
36	439.08	28.16	599.12	1.61	34.32
37	432.25	28.42	627.54	1.63	35.95
38	425.84	28.64	656.18	1.64	37.59
39	418.53	28.82	685.00	1.65	39.24
40	411.88	28.96	713.96	1.66	40.90

Zonal Flux Distribution

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Flux [lm]	Zonal Flux [%]	Sum Flux [%]
41	405.41	29.10	743.07	1.67	42.57
42	398.03	29.19	772.26	1.67	44.24
43	390.59	29.21	801.47	1.67	45.91
44	382.95	29.20	830.66	1.67	47.58
45	375.15	29.13	859.80	1.67	49.25
46	368.04	29.06	888.86	1.66	50.92
47	360.71	28.98	917.85	1.66	52.58
48	353.00	28.85	946.70	1.65	54.23
49	344.86	28.66	975.36	1.64	55.87
50	336.48	28.41	1003.77	1.63	57.50
51	328.54	28.14	1031.90	1.61	59.11
52	321.27	27.88	1059.78	1.60	60.71
53	313.53	27.61	1087.40	1.58	62.29
54	305.02	27.26	1114.66	1.56	63.85
55	297.01	26.87	1141.54	1.54	65.39
56	288.65	26.46	1168.00	1.52	66.91
57	280.94	26.04	1194.04	1.49	68.40
58	273.07	25.62	1219.66	1.47	69.87
59	264.99	25.15	1244.82	1.44	71.31
60	257.31	24.68	1269.49	1.41	72.72
61	249.27	24.18	1293.67	1.38	74.11
62	241.31	23.64	1317.31	1.35	75.46
63	233.54	23.09	1340.40	1.32	76.78
64	226.10	22.55	1362.96	1.29	78.07
65	219.21	22.04	1385.00	1.26	79.34
66	211.20	21.47	1406.47	1.23	80.57
67	204.04	20.88	1427.35	1.20	81.76
68	196.39	20.28	1447.63	1.16	82.92
69	189.86	19.70	1467.34	1.13	84.05
70	183.10	19.15	1486.49	1.10	85.15
71	176.04	18.56	1505.05	1.06	86.21
72	169.20	17.95	1523.01	1.03	87.24
73	162.31	17.34	1540.34	0.99	88.24
74	155.80	16.72	1557.07	0.96	89.19
75	149.41	16.13	1573.19	0.92	90.12
76	143.32	15.54	1588.73	0.89	91.01
77	137.07	14.95	1603.68	0.86	91.86
78	130.59	14.33	1618.01	0.82	92.68
79	124.80	13.72	1631.73	0.79	93.47
80	118.81	13.13	1644.86	0.75	94.22
81	113.42	12.56	1657.42	0.72	94.94

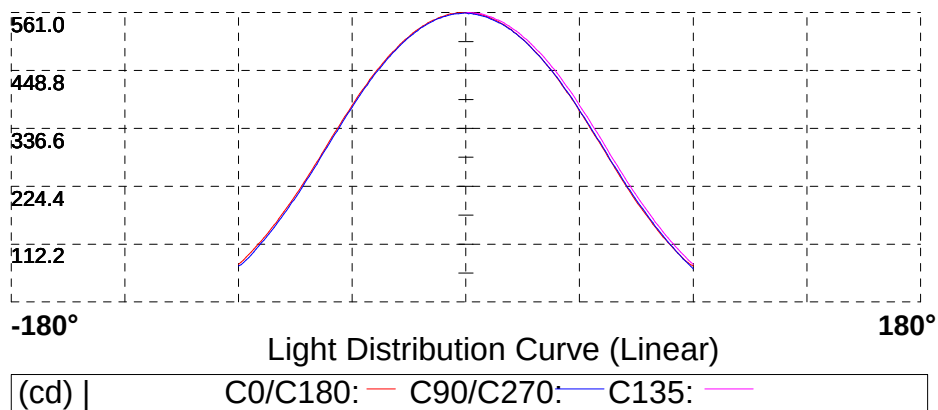
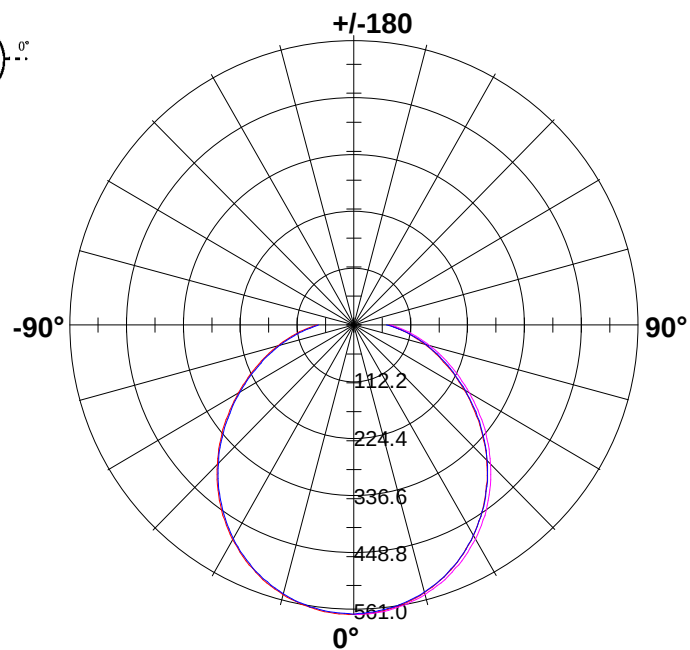
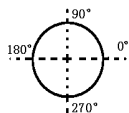
Zonal Flux Distribution

[illegible]

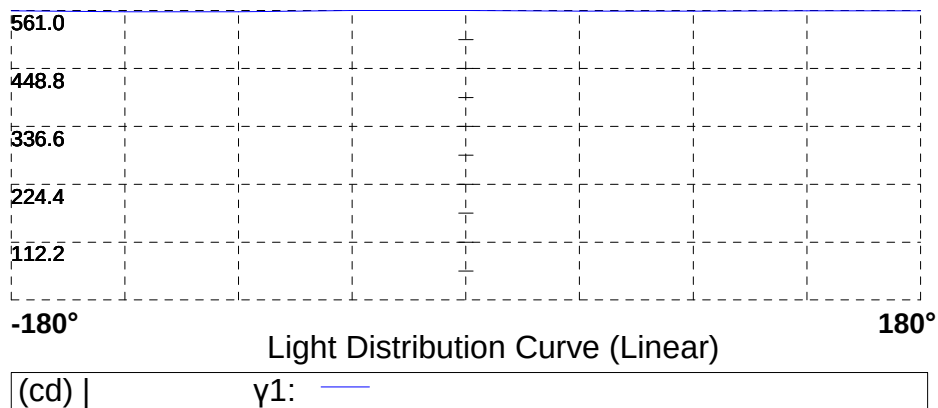
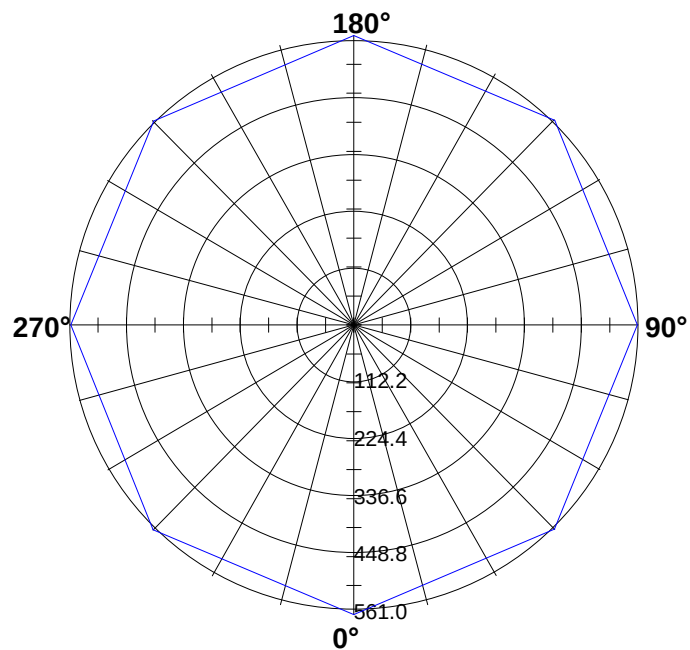


Light Distribution Curve [Unit: cd]

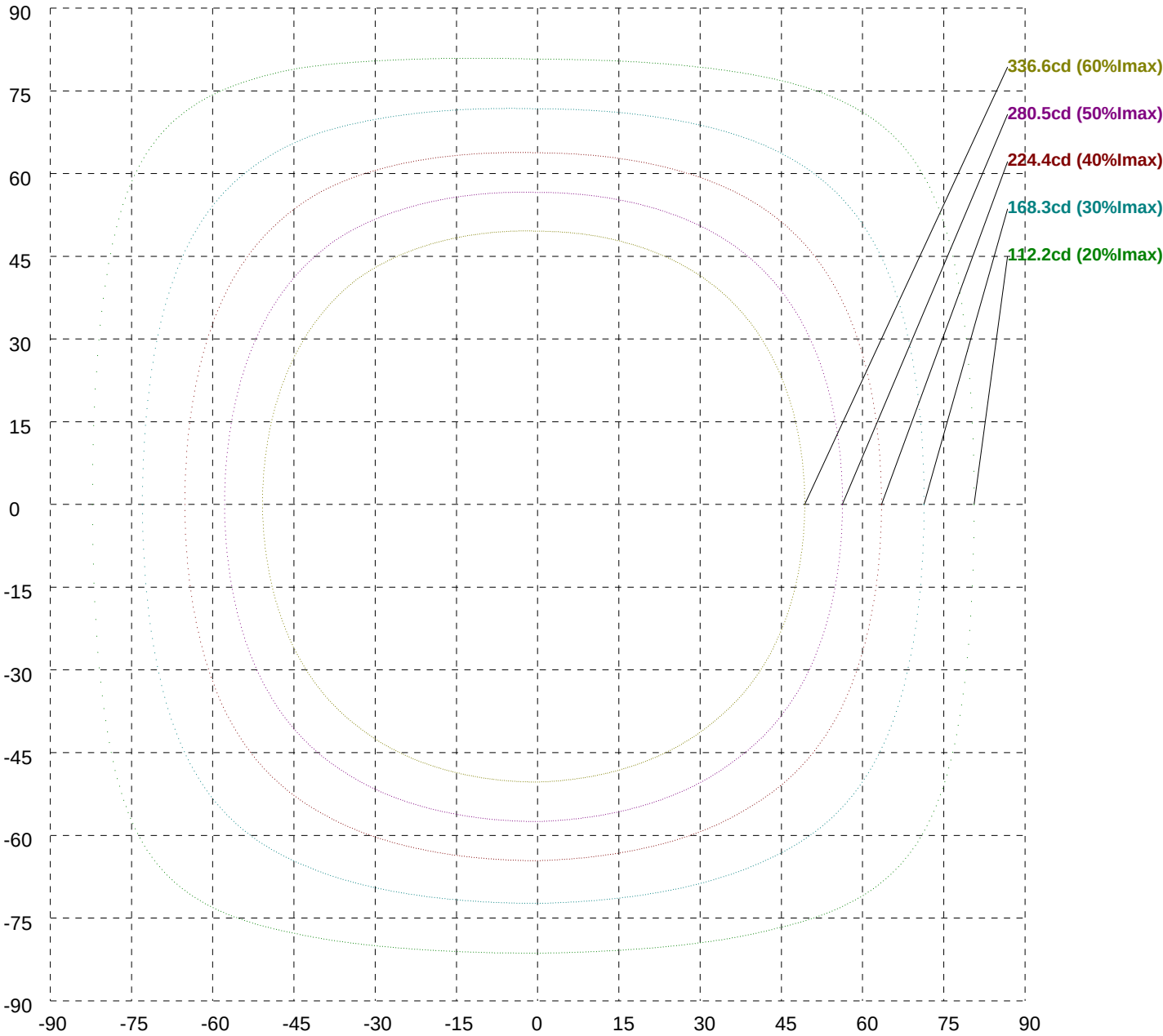
Luminaire



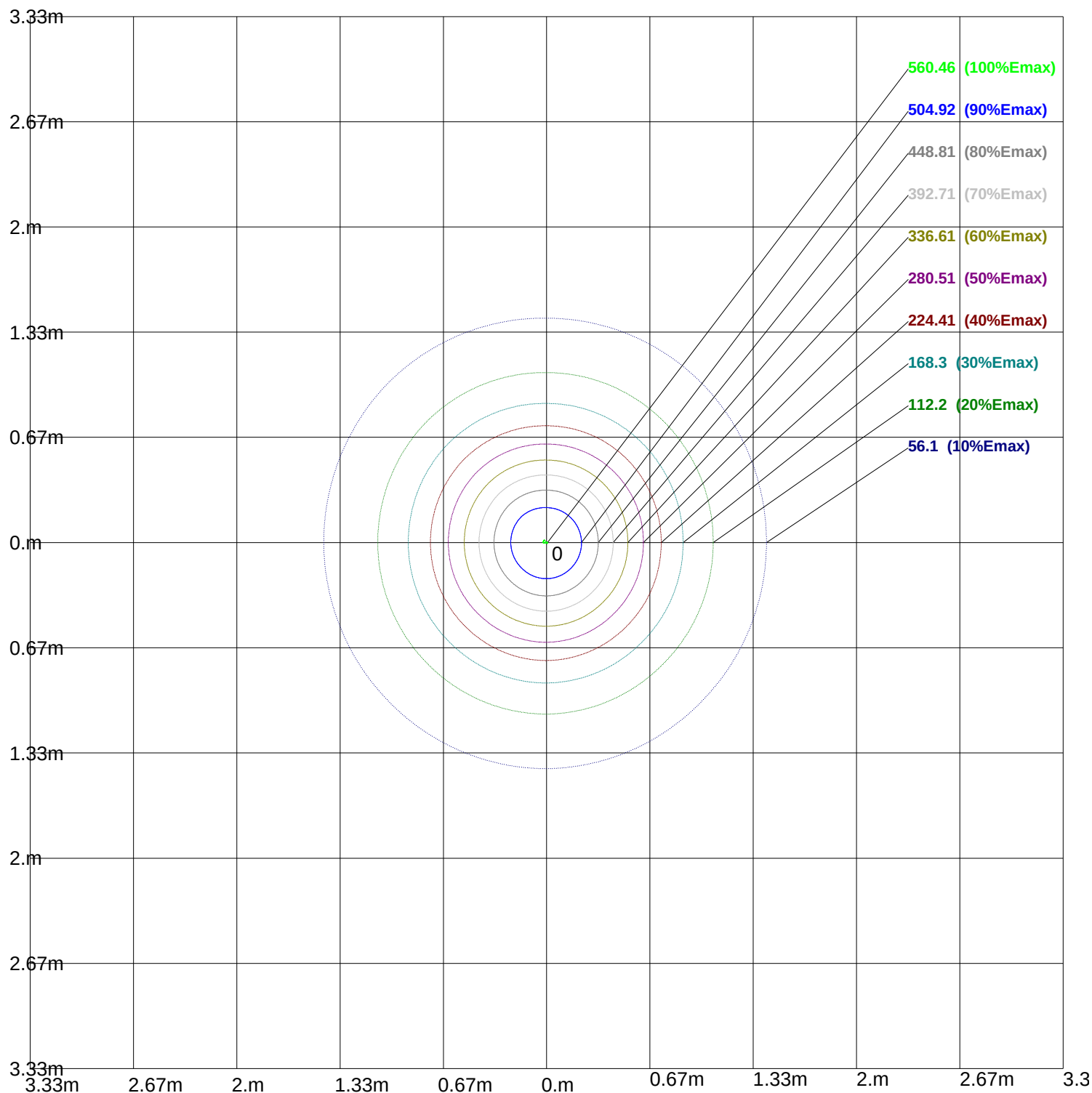
Max Plane Light Distribution Curve [Unit: cd]



等光强曲线 V-H [cd]



Iso-Lux[lx]



Height: 1 m
Max Illuminance : 561.02lx

Luminance Limiting Curve

Diameter: 380mm

Length: mm

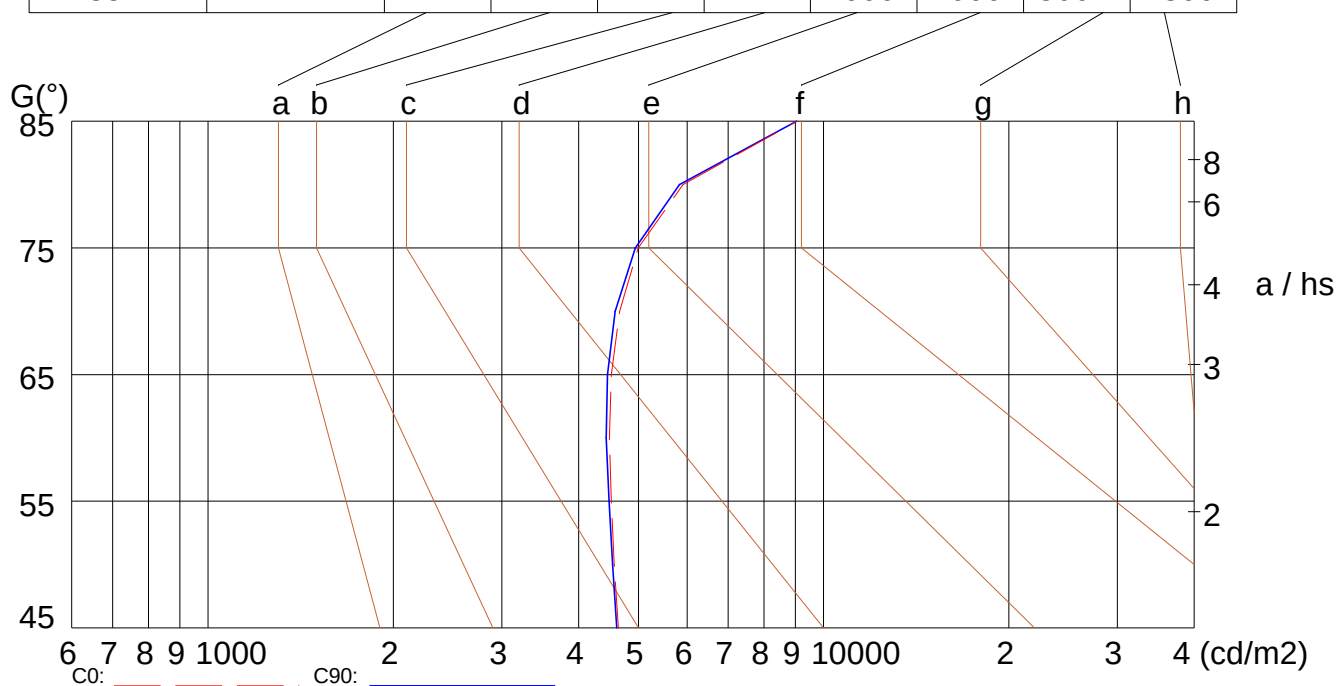
Width: 380mm

Height: 100mm

(cd/m²)

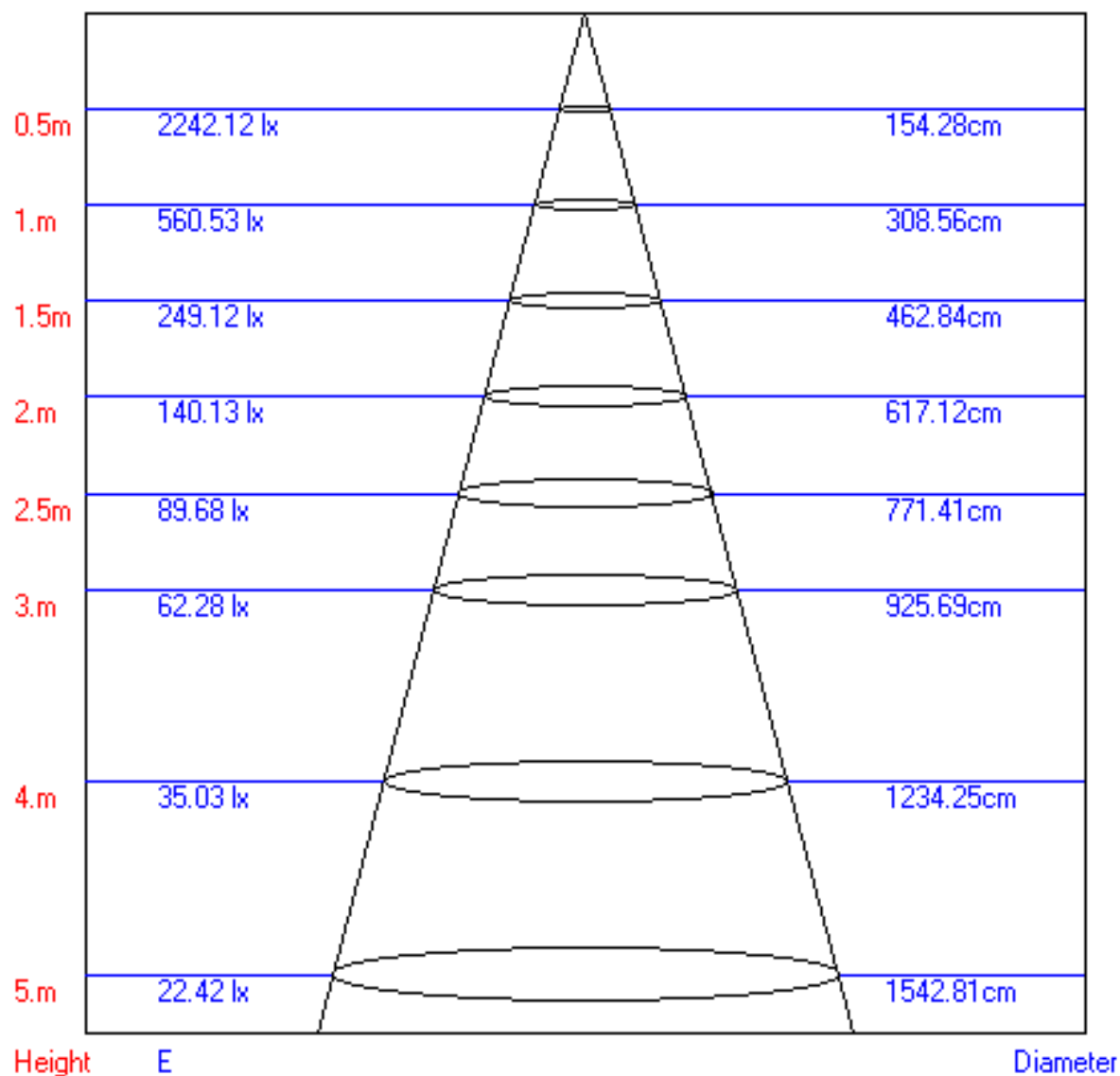
γ	45°	50°	55°	60°	65°	70°	75°	80°	85°
C0	4638	4568	4519	4487	4518	4661	4996	5909	9052
C90	4615	4541	4482	4434	4454	4583	4947	5831	9042

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:114.10°

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	1.00	0.98	0.96	0.99	0.97	0.95	0.96	0.93	0.91	0.91	0.89	0.86	0.85	0.83	0.80	0.75
2	0.84	0.81	0.79	0.84	0.80	0.77	0.82	0.78	0.74	0.79	0.74	0.71	0.75	0.70	0.66	0.61
3	0.71	0.68	0.66	0.71	0.67	0.64	0.71	0.66	0.62	0.69	0.63	0.59	0.66	0.60	0.55	0.51
4	0.61	0.58	0.56	0.62	0.58	0.55	0.62	0.56	0.53	0.61	0.55	0.50	0.59	0.53	0.47	0.43
5	0.53	0.50	0.48	0.54	0.50	0.47	0.55	0.49	0.45	0.54	0.48	0.43	0.53	0.46	0.41	0.37
6	0.47	0.44	0.42	0.48	0.44	0.41	0.49	0.43	0.40	0.49	0.43	0.38	0.48	0.42	0.36	0.32
7	0.41	0.39	0.37	0.43	0.39	0.36	0.44	0.39	0.35	0.44	0.38	0.34	0.44	0.37	0.32	0.29
8	0.37	0.35	0.33	0.38	0.35	0.32	0.40	0.35	0.31	0.41	0.34	0.30	0.41	0.34	0.29	0.26
9	0.34	0.31	0.30	0.35	0.31	0.29	0.36	0.31	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	0.28	0.26	0.33	0.29	0.25	0.34	0.29	0.24	0.35	0.28	0.23	0.21

