

Report No.: TH-6002A

Test Time: 2025/12/22 15:19

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm): -250

Luminous Height (mm):

Current: 0.134 A

Power Factor: 0.944

Luminaire Description: 7307

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): -250

Voltage: 220.4 V

Power: 27.92 W

Photometric Results

CIE Class: Direct

Measurement Flux: 1360.2 lm

Downward Ratio: 92%

Horizontal Diffuse Angle(50%): H146.7

Vertical Diffuse Angle(50%): V146.7

Luminaire Efficacy Rating (LER): 48.77

Max. Intensity: 290.41 cd

S/MH(C0/C180): 1.51

Total Rated Lamp Lumens: 1360.2 lm

Efficiency: 100%

Upward Ratio: 8%

C0r0 Intensity: 290.38 cd

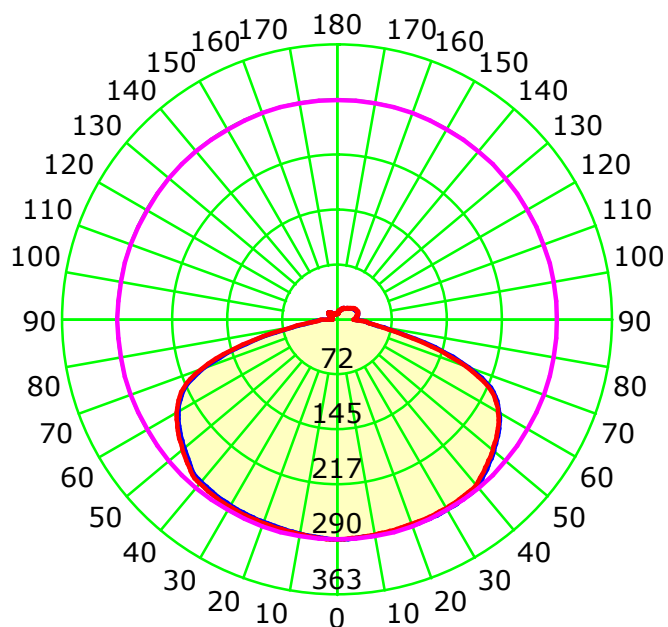
Pos of Max. Intensity: H270 V1

S/MH(C90/C270): 1.51

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 146.7°

— C0-C180 — C90-C270 — G1

C Plane (°):0.0-360.0: 90.0

Test Lab: Inventfine instruments

Test Type: TYPE C

Temperature: 26

Operator:

Gamma Plane (°):0.0-180.0:1.0

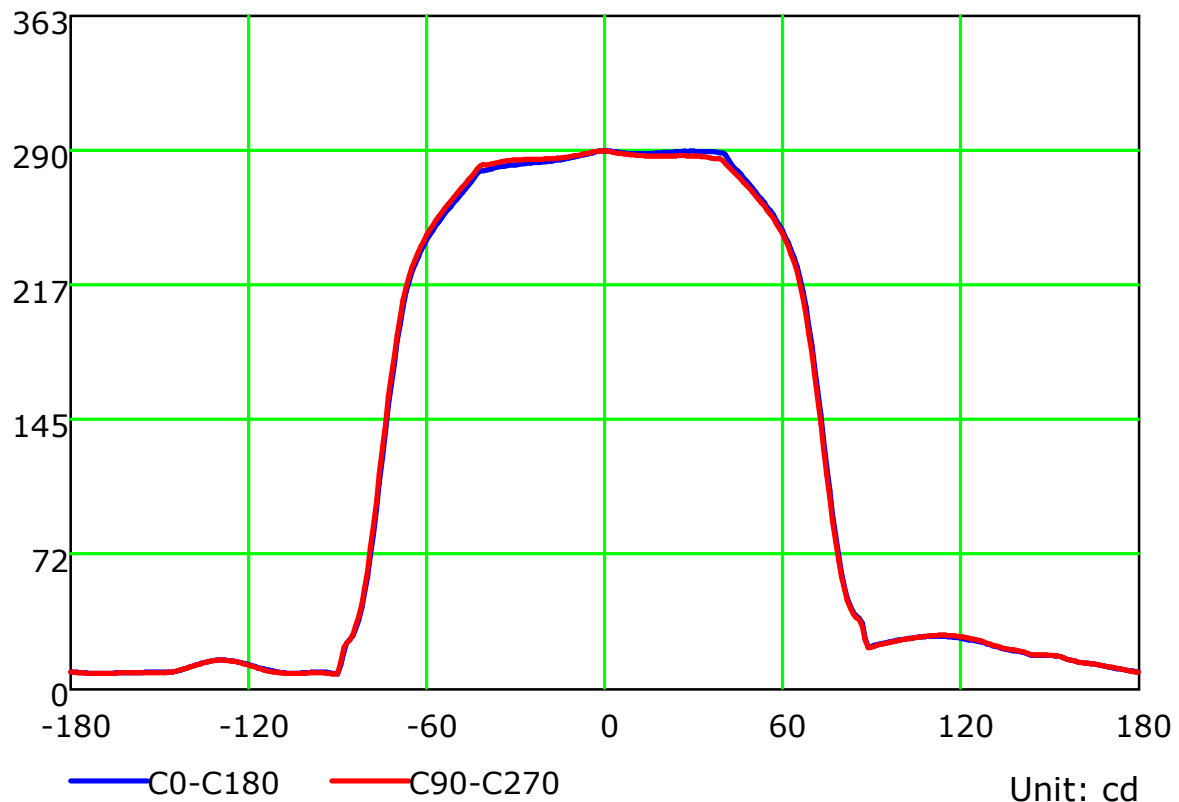
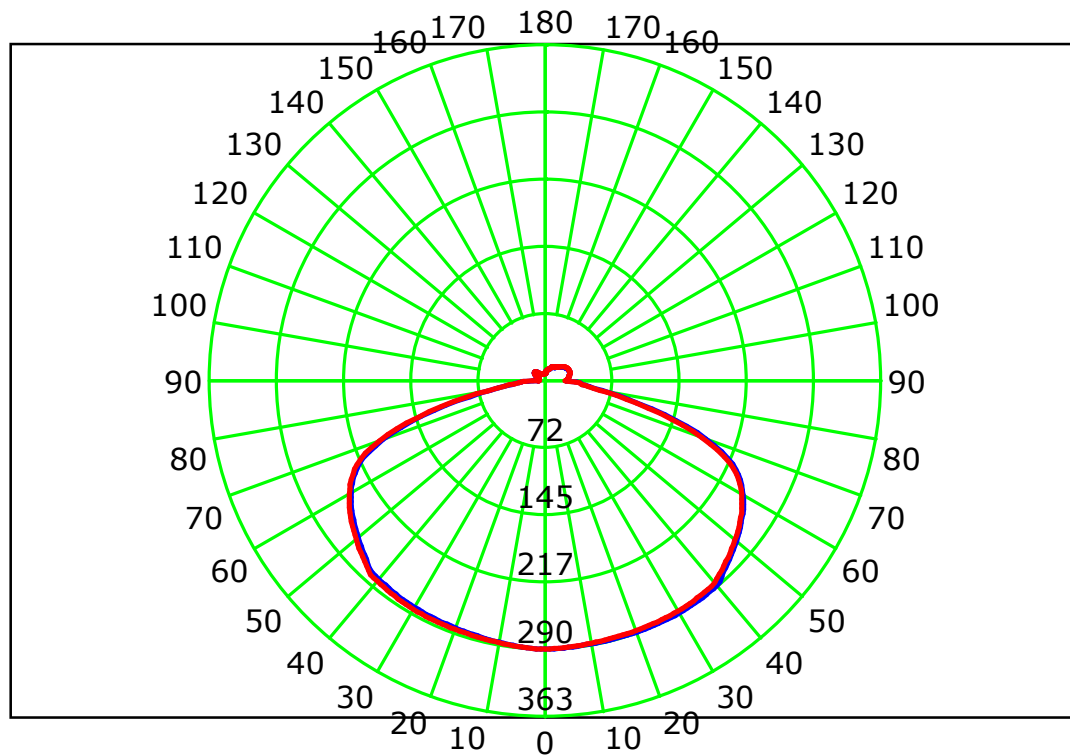
Test Device: GPM-1800B

Distance: 8.705 m [K=1.0000]

Humidity: 65

Inspector:

Luminous Intensity Distribution Curve



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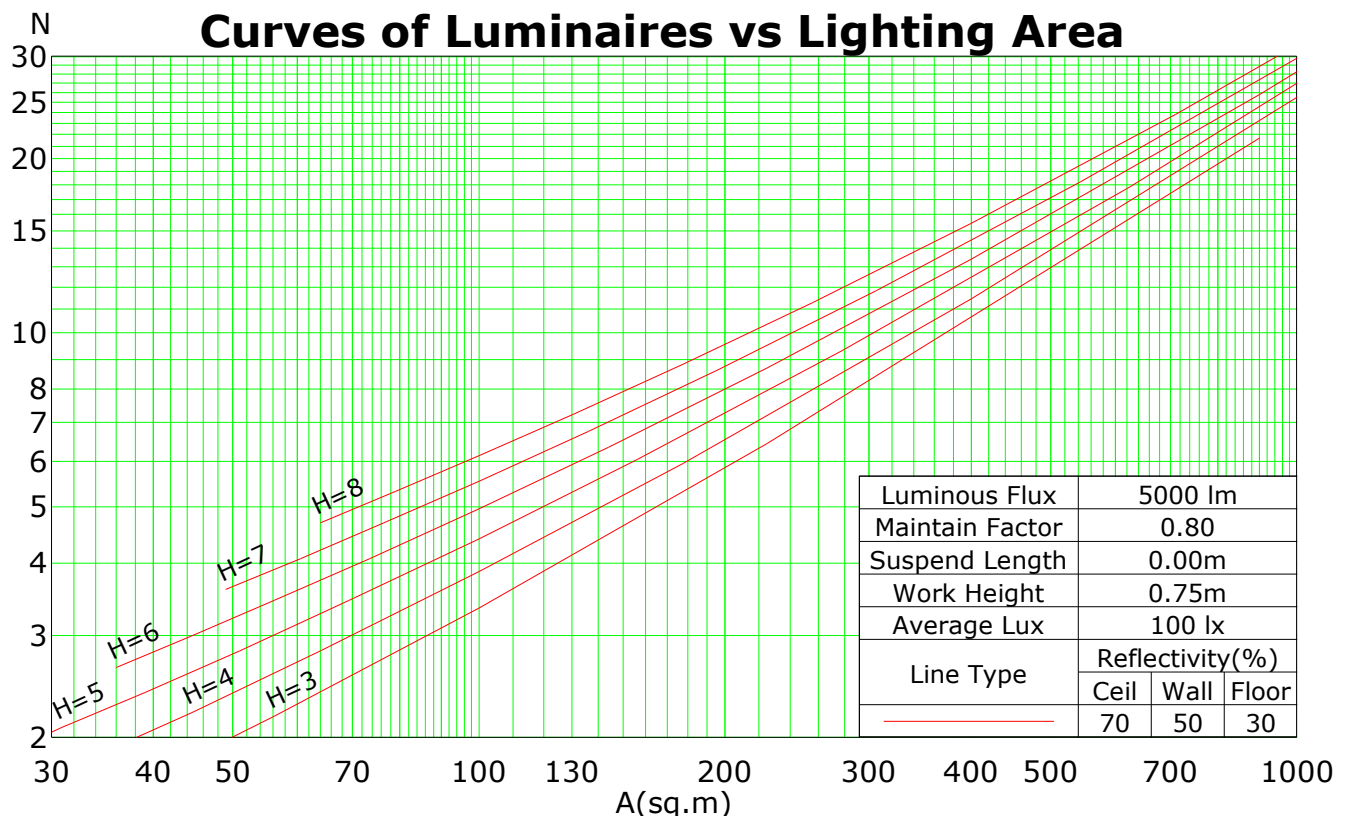
Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	1.17	1.17	1.17	1.17	1.14	1.14	1.14	1.14	1.07	1.07	1.07	1.01	1.01	1.01	0.95	0.95	0.95	0.92
1	1.05	1.00	0.95	0.91	1.02	0.97	0.92	0.88	0.91	0.87	0.84	0.86	0.83	0.80	0.81	0.79	0.76	0.74
2	0.94	0.85	0.78	0.71	0.91	0.83	0.76	0.70	0.78	0.72	0.67	0.73	0.68	0.64	0.69	0.65	0.62	0.59
3	0.85	0.73	0.64	0.57	0.82	0.71	0.63	0.56	0.67	0.60	0.54	0.63	0.57	0.52	0.60	0.55	0.50	0.48
4	0.77	0.64	0.54	0.47	0.74	0.62	0.53	0.46	0.59	0.51	0.45	0.55	0.49	0.43	0.52	0.47	0.42	0.39
5	0.70	0.56	0.47	0.40	0.68	0.55	0.46	0.39	0.52	0.44	0.38	0.49	0.42	0.37	0.46	0.40	0.36	0.33
6	0.65	0.50	0.41	0.34	0.62	0.49	0.40	0.33	0.46	0.38	0.32	0.44	0.37	0.31	0.41	0.35	0.31	0.28
7	0.60	0.45	0.36	0.29	0.57	0.44	0.35	0.29	0.42	0.34	0.28	0.39	0.33	0.27	0.37	0.31	0.27	0.24
8	0.55	0.41	0.32	0.26	0.53	0.40	0.31	0.25	0.38	0.30	0.25	0.36	0.29	0.24	0.34	0.28	0.23	0.21
9	0.51	0.37	0.29	0.23	0.49	0.36	0.28	0.22	0.35	0.27	0.22	0.33	0.26	0.21	0.31	0.25	0.21	0.19
10	0.48	0.34	0.26	0.20	0.46	0.33	0.25	0.20	0.32	0.25	0.20	0.30	0.24	0.19	0.29	0.23	0.19	0.17

Spacing Criteria (0-180): 1.51

Spacing Criteria (90-270): 1.51

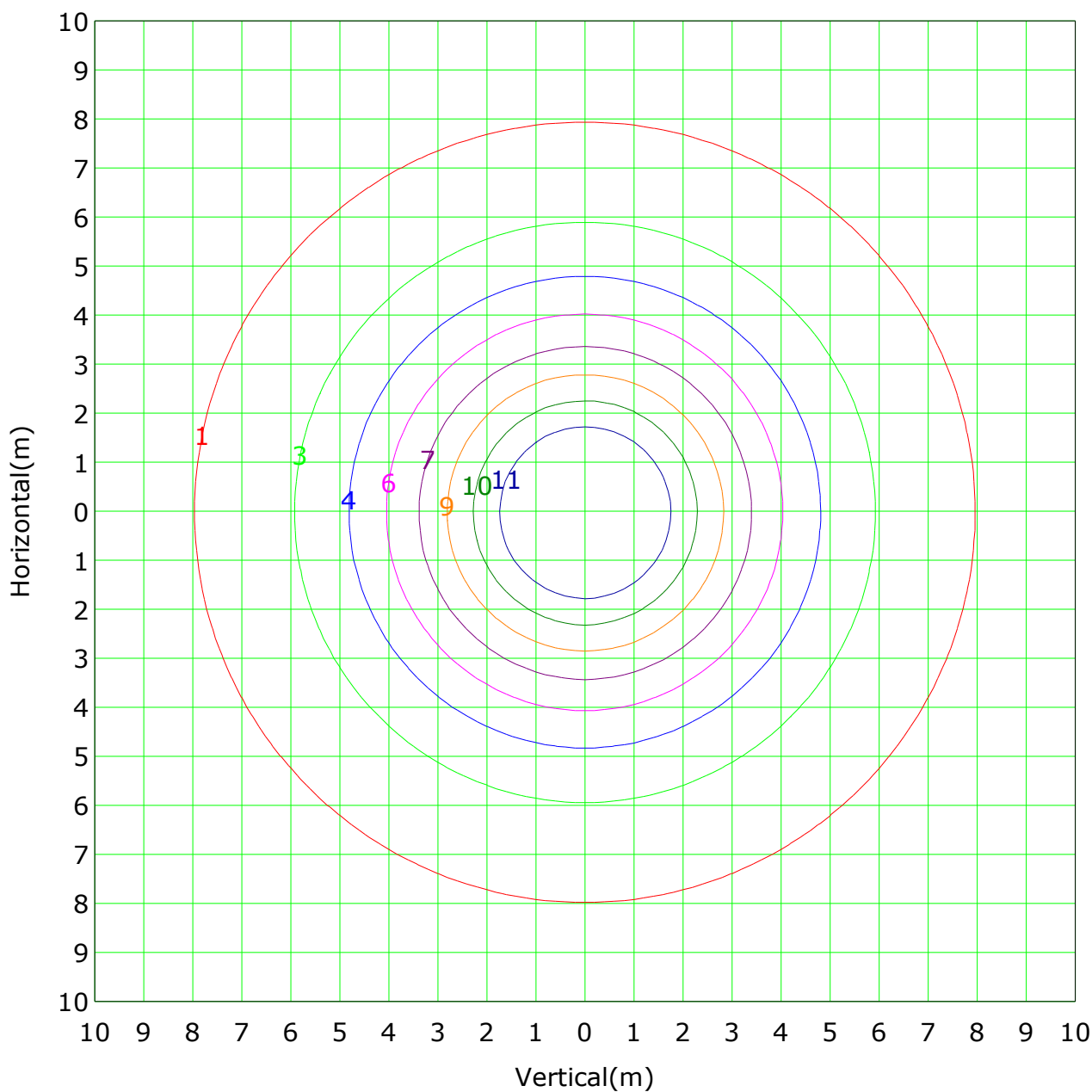
Spacing Criteria (Diagonal): 1.67



C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.705 m [K=1.0000]
Humidity: 65
Inspector:

IsoLux Plot

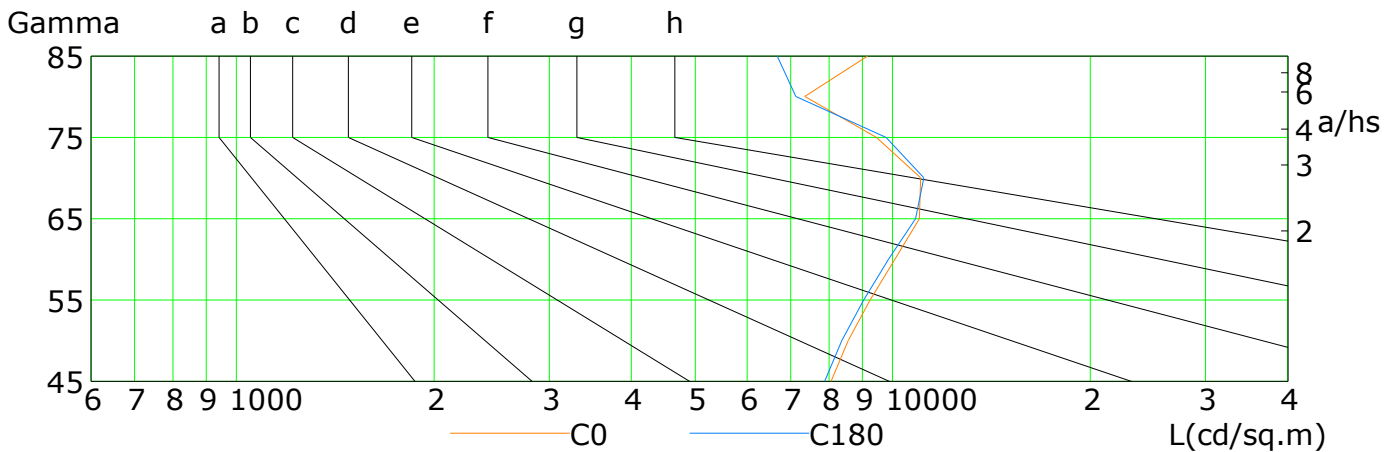
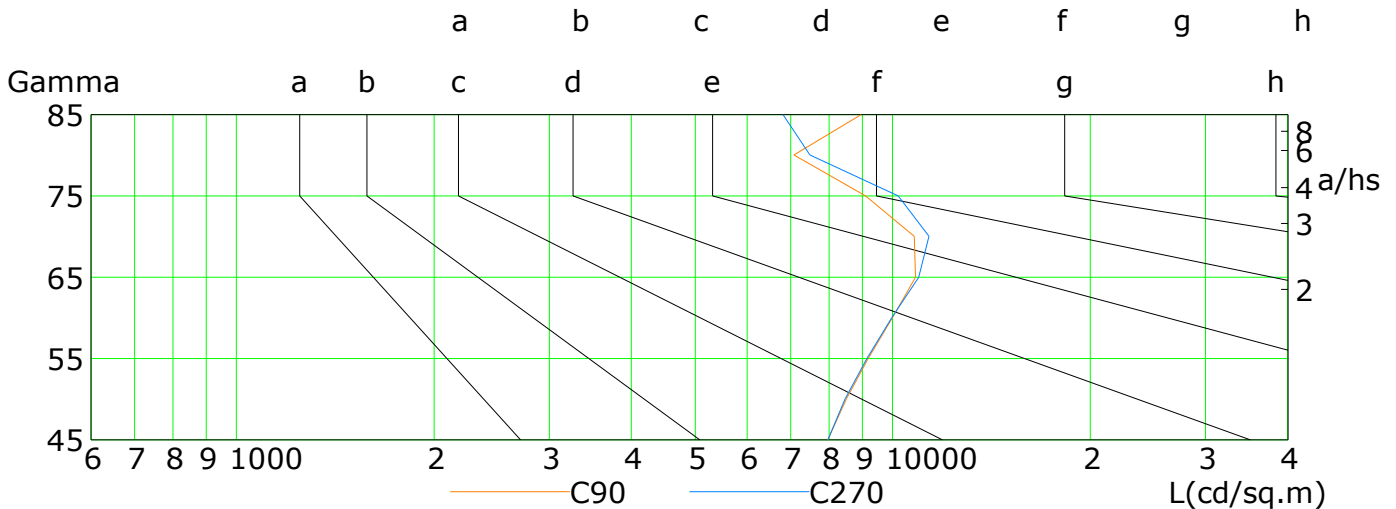


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 Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

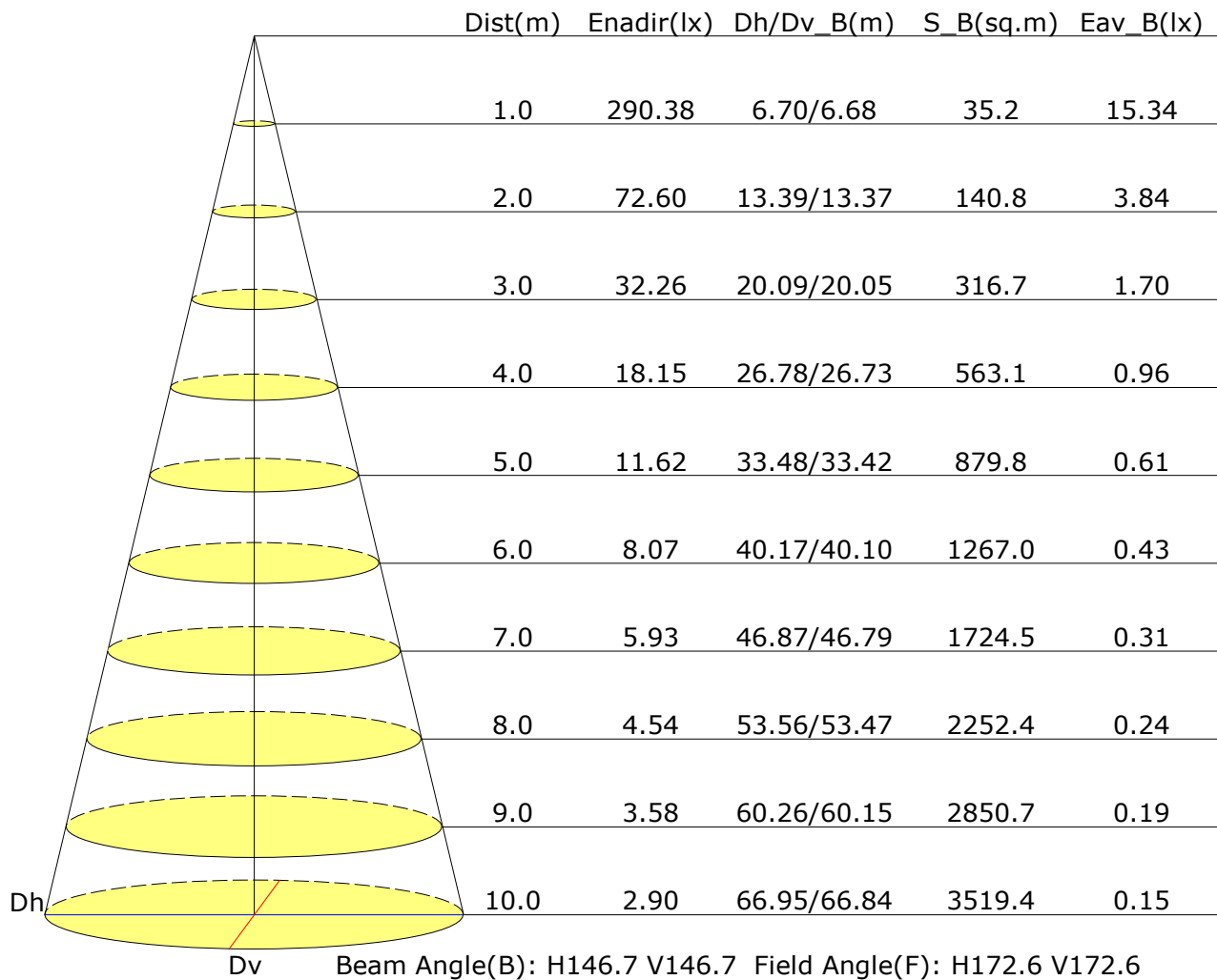


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	8050	8560	9233	10080	10972	11045	9452	7343	9150
C90	7972	8496	9170	10005	10845	10777	9085	7073	8945
C180	7879	8366	9026	9872	10835	11162	9780	7125	6674
C270	7964	8465	9129	9982	10960	11364	10208	7484	6811

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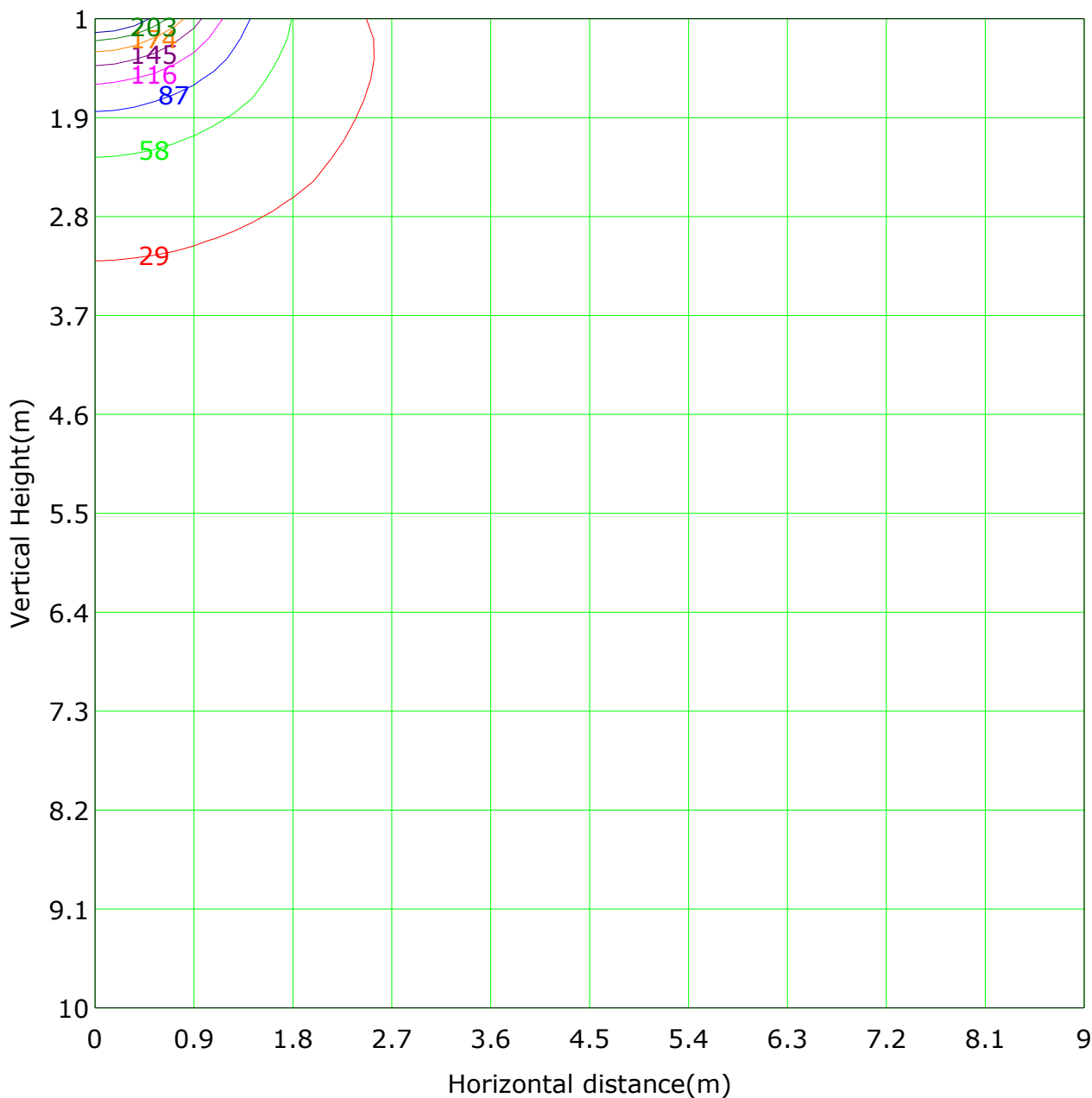
Illuminance at a Distance



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Test Type: TYPE C
Temperature: 26
Operator:

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Test Device: GPM-1800B
Distance: 8.705 m [K=1.0000]
Humidity: 65
Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 10.0m Max Lux: 290.4 lx
 (10%): 29.0 lx (20%): 58.1 lx
 (30%): 87.1 lx (40%): 116.2 lx
 (50%): 145.2 lx (60%): 174.2 lx
 (70%): 203.3 lx (80%): 232.3 lx

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 Inspector:

Area Flux Table

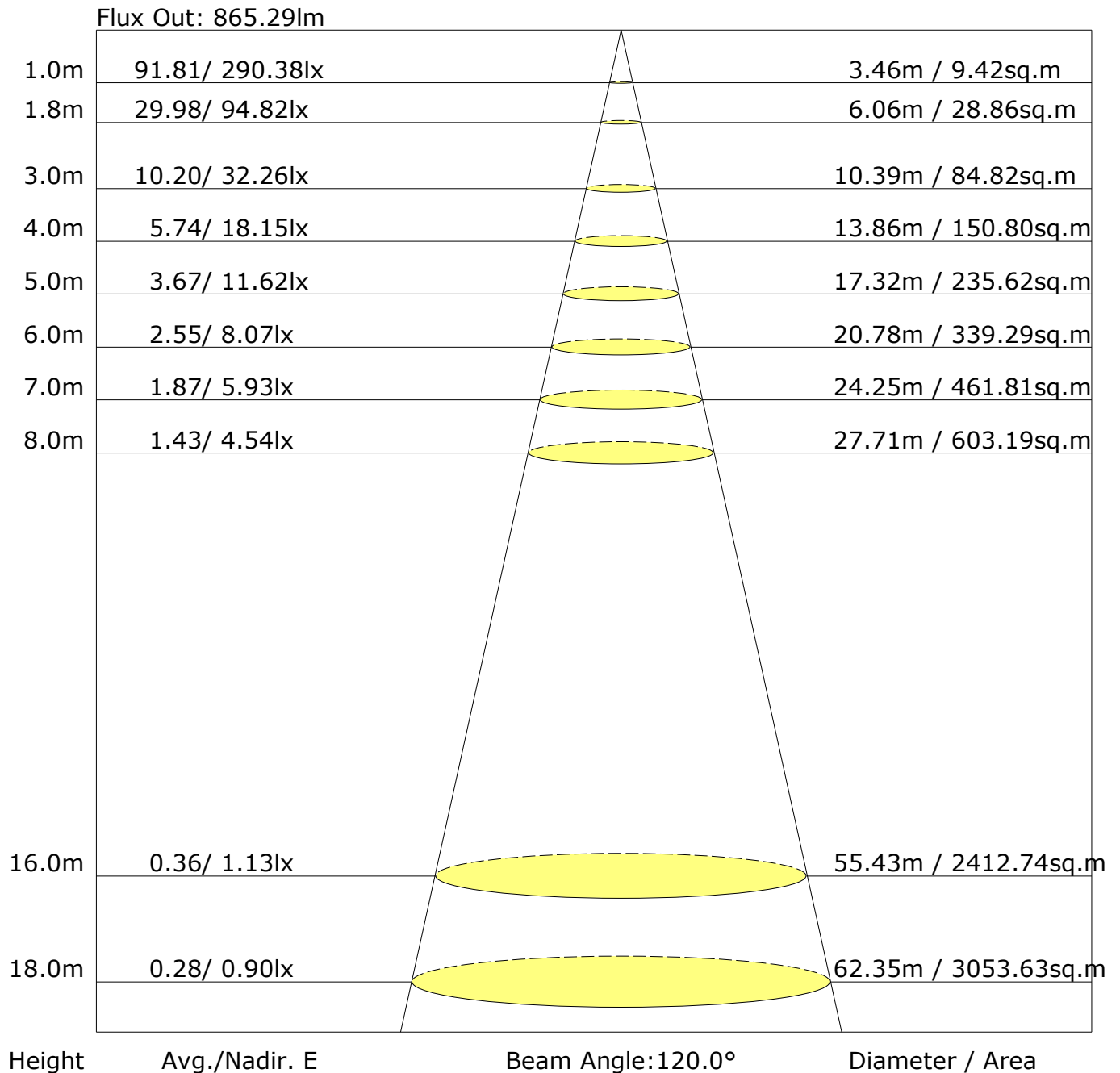
Unit: lm

Vertical plane																	Orbit plane									
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)					
-90	0.0	0.1	0.2	0.4	0.5	0.7	0.8	0.9	1.0	1.0	1.0	1.0	0.9	0.7	0.6	0.4	0.3	0.2	0.1	1.3	0.7					
-80	0.0	0.2	0.5	0.9	1.5	2.3	3.0	3.6	3.9	3.9	3.5	3.0	2.3	1.5	0.9	0.5	0.3	0.1	10.5	9.9						
-70	0.1	0.3	0.9	2.0	3.4	4.7	5.7	6.4	6.8	6.8	6.4	5.7	4.7	3.4	2.0	0.9	0.3	0.1	31.6	31.1						
-60	0.1	0.4	1.5	3.1	4.7	5.9	6.8	7.4	7.8	7.8	7.5	6.9	5.9	4.7	3.1	1.9	0.9	0.5	0.2	54.7	54.2					
-50	0.1	0.6	2.0	3.8	5.2	6.4	7.3	8.0	8.4	8.4	8.0	7.4	6.4	5.2	3.8	2.0	0.9	0.6	0.1	75.9	75.9					
-40	0.1	0.7	2.4	4.1	5.5	6.7	7.7	8.3	8.6	8.6	8.4	7.8	6.7	5.5	4.1	2.4	0.7	0.1	0.0	94.6	94.6					
-30	0.1	0.9	2.7	4.3	5.7	6.9	7.8	8.4	8.6	8.7	8.4	7.9	7.1	5.7	4.3	2.7	0.9	0.1	0.0	109.1	109.1					
-20	0.1	1.0	2.8	4.4	5.8	7.0	7.8	8.4	8.7	8.7	8.5	8.0	7.2	5.8	4.4	2.8	1.0	0.1	0.0	118.9	118.9					
-10	0.1	1.0	2.9	4.4	5.9	7.0	7.8	8.4	8.7	8.8	8.5	8.0	7.2	6.0	4.5	2.9	1.0	0.1	0.0	124.2	124.2					
0	0.1	1.0	2.9	4.4	5.9	7.0	7.8	8.4	8.7	8.8	8.5	8.0	7.2	6.0	4.5	2.9	1.0	0.1	0.0	124.5	124.5					
10	0.1	1.0	2.8	4.4	5.8	7.0	7.8	8.4	8.7	8.7	8.5	8.0	7.2	5.9	4.5	2.8	1.0	0.1	0.1	92.7	92.7					
20	0.1	0.9	2.7	4.3	5.7	6.9	7.8	8.4	8.7	8.7	8.5	8.0	7.1	5.8	4.4	2.7	0.9	0.1	0.1	91.5	91.5					
30	0.1	0.7	2.4	4.1	5.5	6.7	7.7	8.4	8.7	8.7	8.4	7.8	6.8	5.6	4.2	2.4	0.7	0.1	0.1	89.0	89.0					
40	0.1	0.6	2.0	3.8	5.2	6.4	7.3	8.0	8.4	8.4	8.0	7.4	6.5	5.3	3.8	2.0	0.6	0.1	0.1	83.8	83.8					
50	0.1	0.4	1.4	3.1	4.6	5.9	6.8	7.5	7.8	7.8	7.5	6.9	5.9	4.7	3.0	1.4	0.4	0.1	0.1	75.3	75.2					
60	0.1	0.3	0.9	1.9	3.3	4.6	5.6	6.3	6.7	6.7	6.3	5.6	4.6	3.2	1.9	0.9	0.3	0.1	0.1	59.1	59.0					
70	0.0	0.2	0.5	0.9	1.5	2.2	2.8	3.3	3.5	3.5	3.3	2.8	2.2	1.5	0.9	0.6	0.3	0.1	0.1	30.0	29.8					
80	0.0	0.1	0.3	0.4	0.6	0.8	0.9	1.1	1.1	1.2	1.1	1.0	0.9	0.7	0.5	0.4	0.2	0.1	0.1	11.4	8.4					
90	1.3	10.5	31.6	54.7	76.4	95.2	109.5	119.4	124.7	125.0	120.3	110.8	96.6	77.5	55.6	32.0	10.8	1.7	1.7	1254						
Flux(E)	0.7	9.9	31.1	54.2	75.9	94.6	109.1	118.9	124.2	124.5	119.9	110.4	96.2	77.2	55.2	31.6	10.5	1.4		1245						
-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)						

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Inspector:

The Average Illuminance Effective Figure



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UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	20.6	22.0	21.0	22.3	22.8	20.5	21.9	20.9	22.3	22.7
3H	22.9	24.2	23.3	24.6	25.0	22.9	24.1	23.3	24.5	25.0
4H	23.6	24.8	24.1	25.3	25.7	23.6	24.8	24.1	25.3	25.7
6H	24.0	25.2	24.5	25.6	26.1	24.0	25.2	24.5	25.6	26.1
8H	24.1	25.2	24.6	25.7	26.2	24.2	25.2	24.6	25.7	26.2
12H	24.3	25.3	24.8	25.8	26.3	24.2	25.3	24.8	25.8	26.3
X=4H Y=2H	21.5	22.7	22.0	23.1	23.6	21.5	22.7	21.9	23.1	23.6
3H	23.9	24.9	24.4	25.4	25.9	23.9	24.9	24.4	25.4	25.9
4H	24.7	25.7	25.3	26.2	26.7	24.8	25.7	25.3	26.2	26.7
6H	25.2	26.1	25.8	26.6	27.2	25.2	26.1	25.8	26.6	27.2
8H	25.4	26.1	25.9	26.7	27.3	25.4	26.2	25.9	26.7	27.3
12H	25.6	26.3	26.1	26.8	27.4	25.5	26.2	26.1	26.8	27.4
X=8H Y=4H	25.0	25.8	25.6	26.3	26.9	25.1	25.8	25.6	26.4	26.9
6H	25.6	26.3	26.2	26.8	27.5	25.7	26.3	26.2	26.8	27.5
8H	25.9	26.4	26.5	27.0	27.7	25.9	26.4	26.5	27.0	27.7
12H	26.2	26.6	26.8	27.2	27.9	26.1	26.6	26.7	27.2	27.9
X=12H Y=4H	25.1	25.7	25.6	26.3	26.9	25.1	25.7	25.6	26.3	26.9
6H	25.7	26.2	26.3	26.8	27.5	25.7	26.3	26.3	26.8	27.5
8H	26.0	26.4	26.6	27.0	27.7	26.0	26.4	26.6	27.0	27.7
Variations with the observer position at spacings:										
S=1.0H	+0.1/-0.1					+0.1/-0.1				
S=1.5H	+0.3/-0.3					+0.2/-0.2				
S=2.0H	+0.4/-0.4					+0.4/-0.4				

Calculate in accordance with CIE Pub.117. The table is revised with 1360lm ($8\log(F/F_0) = 1.1$).

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Humidity: 65
Inspector:

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	290.3	0.3	0.3	0.02	0.02
1.0-2.0	290.2	0.8	1.1	0.06	0.08
2.0-3.0	290.0	1.4	2.5	0.10	0.18
3.0-4.0	289.7	1.9	4.4	0.14	0.33
4.0-5.0	289.4	2.5	6.9	0.18	0.51
5.0-6.0	289.0	3.0	10.0	0.22	0.73
6.0-7.0	288.8	3.6	13.5	0.26	1.00
7.0-8.0	288.5	4.1	17.7	0.30	1.30
8.0-9.0	288.3	4.7	22.4	0.34	1.64
9.0-10.0	288.0	5.2	27.6	0.38	2.03
10.0-11.0	287.8	5.8	33.3	0.42	2.45
11.0-12.0	287.6	6.3	39.6	0.46	2.91
12.0-13.0	287.5	6.8	46.4	0.50	3.41
13.0-14.0	287.3	7.4	53.8	0.54	3.95
14.0-15.0	287.2	7.9	61.7	0.58	4.53
15.0-16.0	287.1	8.4	70.1	0.62	5.15
16.0-17.0	287.0	8.9	79.0	0.66	5.81
17.0-18.0	286.9	9.5	88.5	0.70	6.51
18.0-19.0	286.9	10.0	98.5	0.73	7.24
19.0-20.0	286.8	10.5	109.0	0.77	8.01
20.0-21.0	286.8	11.0	120.0	0.81	8.82
21.0-22.0	286.8	11.5	131.5	0.85	9.67
22.0-23.0	286.7	12.0	143.5	0.88	10.55
23.0-24.0	286.7	12.5	156.1	0.92	11.47
24.0-25.0	286.7	13.0	169.1	0.96	12.43
25.0-26.0	286.7	13.5	182.6	1.00	13.43
26.0-27.0	286.7	14.0	196.7	1.03	14.46
27.0-28.0	286.7	14.5	211.2	1.07	15.53
28.0-29.0	286.6	15.0	226.2	1.10	16.63
29.0-30.0	286.5	15.5	241.7	1.14	17.77
30.0-31.0	286.4	15.9	257.6	1.17	18.94
31.0-32.0	286.3	16.4	274.0	1.21	20.14
32.0-33.0	286.2	16.9	290.9	1.24	21.38
33.0-34.0	286.0	17.3	308.2	1.27	22.66
34.0-35.0	285.8	17.8	325.9	1.31	23.96
35.0-36.0	285.6	18.2	344.1	1.34	25.30

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Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	285.4	18.6	362.7	1.37	26.67
37.0-38.0	285.1	19.0	381.8	1.40	28.07
38.0-39.0	284.8	19.4	401.2	1.43	29.50
39.0-40.0	284.4	19.8	421.0	1.46	30.95
40.0-41.0	283.9	20.2	441.3	1.49	32.44
41.0-42.0	282.9	20.6	461.8	1.51	33.95
42.0-43.0	281.3	20.8	482.7	1.53	35.48
43.0-44.0	279.4	21.1	503.7	1.55	37.03
44.0-45.0	277.5	21.3	525.1	1.57	38.60
45.0-46.0	275.6	21.6	546.6	1.58	40.19
46.0-47.0	273.8	21.8	568.4	1.60	41.79
47.0-48.0	272.0	22.0	590.4	1.62	43.40
48.0-49.0	270.1	22.2	612.6	1.63	45.04
49.0-50.0	268.2	22.4	634.9	1.64	46.68
50.0-51.0	266.3	22.5	657.5	1.66	48.34
51.0-52.0	264.4	22.7	680.2	1.67	50.00
52.0-53.0	262.5	22.8	703.0	1.68	51.68
53.0-54.0	260.5	23.0	726.0	1.69	53.37
54.0-55.0	258.4	23.1	749.0	1.70	55.07
55.0-56.0	256.3	23.2	772.2	1.70	56.77
56.0-57.0	254.1	23.2	795.4	1.71	58.48
57.0-58.0	251.7	23.3	818.7	1.71	60.19
58.0-59.0	249.1	23.3	842.0	1.71	61.90
59.0-60.0	246.4	23.3	865.3	1.71	63.61
60.0-61.0	243.5	23.2	888.5	1.71	65.32
61.0-62.0	240.3	23.2	911.7	1.70	67.02
62.0-63.0	236.8	23.0	934.7	1.69	68.72
63.0-64.0	233.0	22.9	957.6	1.68	70.40
64.0-65.0	228.5	22.6	980.2	1.66	72.06
65.0-66.0	223.5	22.3	1002.5	1.64	73.70
66.0-67.0	217.4	21.9	1024.4	1.61	75.31
67.0-68.0	209.8	21.3	1045.6	1.56	76.87
68.0-69.0	200.9	20.5	1066.1	1.51	78.38
69.0-70.0	191.2	19.6	1085.8	1.44	79.82
70.0-71.0	180.5	18.7	1104.4	1.37	81.20
71.0-72.0	168.7	17.5	1122.0	1.29	82.49

C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.705 m [K=1.0000]
 Humidity: 65
 Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	156.3	16.3	1138.3	1.20	83.69
73.0-74.0	143.4	15.1	1153.4	1.11	84.79
74.0-75.0	129.5	13.7	1167.1	1.01	85.80
75.0-76.0	115.7	12.3	1179.4	0.90	86.70
76.0-77.0	102.5	10.9	1190.3	0.80	87.51
77.0-78.0	89.6	9.6	1199.9	0.71	88.21
78.0-79.0	77.6	8.3	1208.2	0.61	88.83
79.0-80.0	66.8	7.2	1215.4	0.53	89.36
80.0-81.0	57.6	6.2	1221.7	0.46	89.81
81.0-82.0	49.9	5.4	1227.1	0.40	90.21
82.0-83.0	43.6	4.7	1231.8	0.35	90.56
83.0-84.0	38.8	4.2	1236.0	0.31	90.87
84.0-85.0	35.2	3.8	1239.9	0.28	91.15
85.0-86.0	32.8	3.6	1243.5	0.26	91.42
86.0-87.0	30.5	3.3	1246.8	0.25	91.66
87.0-88.0	26.5	2.9	1249.7	0.21	91.88
88.0-89.0	20.8	2.3	1252.0	0.17	92.04
89.0-90.0	16.5	1.8	1253.8	0.13	92.18
90.0-91.0	15.3	1.7	1255.5	0.12	92.30
91.0-92.0	15.6	1.7	1257.2	0.13	92.43
92.0-93.0	16.0	1.8	1258.9	0.13	92.55
93.0-94.0	16.3	1.8	1260.7	0.13	92.69
94.0-95.0	16.5	1.8	1262.5	0.13	92.82
95.0-96.0	16.7	1.8	1264.4	0.13	92.95
96.0-97.0	16.9	1.8	1266.2	0.14	93.09
97.0-98.0	17.1	1.9	1268.1	0.14	93.22
98.0-99.0	17.2	1.9	1269.9	0.14	93.36
99.0-100.0	17.3	1.9	1271.8	0.14	93.50
100.0-101.0	17.4	1.9	1273.7	0.14	93.64
101.0-102.0	17.5	1.9	1275.5	0.14	93.77
102.0-103.0	17.6	1.9	1277.4	0.14	93.91
103.0-104.0	17.6	1.9	1279.3	0.14	94.05
104.0-105.0	17.7	1.9	1281.2	0.14	94.19
105.0-106.0	17.8	1.9	1283.1	0.14	94.33
106.0-107.0	17.9	1.9	1285.0	0.14	94.47
107.0-108.0	18.1	1.9	1286.8	0.14	94.61

C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.705 m [K=1.0000]
 Humidity: 65
 Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	18.2	1.9	1288.7	0.14	94.75
109.0-110.0	18.4	1.9	1290.6	0.14	94.88
110.0-111.0	18.5	1.9	1292.5	0.14	95.02
111.0-112.0	18.7	1.9	1294.5	0.14	95.16
112.0-113.0	18.9	1.9	1296.4	0.14	95.31
113.0-114.0	19.1	1.9	1298.3	0.14	95.45
114.0-115.0	19.3	1.9	1300.2	0.14	95.59
115.0-116.0	19.4	1.9	1302.1	0.14	95.73
116.0-117.0	19.6	1.9	1304.0	0.14	95.87
117.0-118.0	19.8	1.9	1306.0	0.14	96.01
118.0-119.0	19.9	1.9	1307.9	0.14	96.15
119.0-120.0	20.0	1.9	1309.8	0.14	96.29
120.0-121.0	20.1	1.9	1311.7	0.14	96.43
121.0-122.0	20.2	1.9	1313.6	0.14	96.57
122.0-123.0	20.3	1.9	1315.5	0.14	96.71
123.0-124.0	20.3	1.9	1317.3	0.14	96.85
124.0-125.0	20.4	1.8	1319.2	0.14	96.98
125.0-126.0	20.4	1.8	1321.0	0.13	97.12
126.0-127.0	20.3	1.8	1322.8	0.13	97.25
127.0-128.0	20.1	1.8	1324.5	0.13	97.38
128.0-129.0	19.9	1.7	1326.2	0.13	97.50
129.0-130.0	19.7	1.7	1327.9	0.12	97.62
130.0-131.0	19.4	1.6	1329.5	0.12	97.74
131.0-132.0	19.1	1.6	1331.1	0.12	97.86
132.0-133.0	18.7	1.5	1332.6	0.11	97.97
133.0-134.0	18.3	1.5	1334.1	0.11	98.08
134.0-135.0	17.9	1.4	1335.5	0.10	98.18
135.0-136.0	17.4	1.3	1336.8	0.10	98.28
136.0-137.0	17.1	1.3	1338.1	0.09	98.37
137.0-138.0	16.7	1.2	1339.3	0.09	98.46
138.0-139.0	16.3	1.2	1340.5	0.09	98.55
139.0-140.0	16.0	1.1	1341.7	0.08	98.63
140.0-141.0	15.6	1.1	1342.7	0.08	98.71
141.0-142.0	15.1	1.0	1343.8	0.08	98.79
142.0-143.0	14.6	1.0	1344.8	0.07	98.86
143.0-144.0	14.1	0.9	1345.7	0.07	98.93

C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.705 m [K=1.0000]
 Humidity: 65
 Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	13.7	0.9	1346.5	0.06	98.99
145.0-146.0	13.5	0.8	1347.4	0.06	99.06
146.0-147.0	13.4	0.8	1348.2	0.06	99.12
147.0-148.0	13.3	0.8	1349.0	0.06	99.17
148.0-149.0	13.3	0.8	1349.7	0.06	99.23
149.0-150.0	13.3	0.7	1350.5	0.05	99.28
150.0-151.0	13.2	0.7	1351.2	0.05	99.34
151.0-152.0	13.2	0.7	1351.9	0.05	99.39
152.0-153.0	13.1	0.7	1352.5	0.05	99.44
153.0-154.0	12.9	0.6	1353.2	0.05	99.48
154.0-155.0	12.7	0.6	1353.8	0.04	99.53
155.0-156.0	12.4	0.6	1354.3	0.04	99.57
156.0-157.0	12.1	0.5	1354.9	0.04	99.61
157.0-158.0	11.8	0.5	1355.4	0.04	99.64
158.0-159.0	11.6	0.5	1355.8	0.03	99.68
159.0-160.0	11.4	0.4	1356.3	0.03	99.71
160.0-161.0	11.2	0.4	1356.7	0.03	99.74
161.0-162.0	11.1	0.4	1357.1	0.03	99.77
162.0-163.0	11.0	0.4	1357.4	0.03	99.79
163.0-164.0	10.9	0.3	1357.8	0.03	99.82
164.0-165.0	10.8	0.3	1358.1	0.02	99.84
165.0-166.0	10.7	0.3	1358.4	0.02	99.86
166.0-167.0	10.6	0.3	1358.7	0.02	99.88
167.0-168.0	10.4	0.2	1358.9	0.02	99.90
168.0-169.0	10.2	0.2	1359.1	0.02	99.92
169.0-170.0	10.0	0.2	1359.3	0.01	99.93
170.0-171.0	9.8	0.2	1359.5	0.01	99.95
171.0-172.0	9.7	0.2	1359.7	0.01	99.96
172.0-173.0	9.5	0.1	1359.8	0.01	99.97
173.0-174.0	9.3	0.1	1359.9	0.01	99.98
174.0-175.0	9.2	0.1	1360.0	0.01	99.98
175.0-176.0	9.1	0.1	1360.1	0.01	99.99
176.0-177.0	9.1	0.1	1360.1	0.00	99.99
177.0-178.0	9.0	0.0	1360.2	0.00	100.00
178.0-179.0	8.9	0.0	1360.2	0.00	100.00
179.0-180.0	8.9	0.0	1360.2	0.00	100.00

C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.705 m [K=1.0000]
 Humidity: 65
 Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 525.07 lm

%lum = 38.6%

%lamp = 38.6%

cone flux(120°): 865.29 lm

%lum = 63.6%

%lamp = 63.6%

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	290.4	290.4	290.4	290.4	290.4					
G5.0	289.4	289.0	288.9	289.4	289.4					
G10.0	288.9	288.0	287.0	287.7	288.9					
G15.0	289.0	287.6	285.5	286.5	289.0					
G20.0	289.4	287.4	284.5	285.9	289.4					
G25.0	289.8	287.7	283.7	285.7	289.8					
G30.0	290.2	287.6	282.8	285.3	290.2					
G35.0	289.8	286.9	281.8	284.4	289.8					
G40.0	289.1	285.2	279.9	282.7	289.1					
G45.0	279.4	276.7	273.5	276.4	279.4					
G50.0	270.1	268.1	264.0	267.1	270.1					
G55.0	260.0	258.2	254.1	257.0	260.0					
G60.0	247.4	245.6	242.3	245.0	247.4					
G65.0	227.6	225.0	224.8	227.4	227.6					
G70.0	185.4	180.9	187.4	190.8	185.4					
G75.0	120.1	115.4	124.2	129.7	120.1					
G80.0	62.6	60.3	60.7	63.8	62.6					
G85.0	39.1	38.3	28.6	29.1	39.1					
G90.0	22.8	22.3	7.9	8.0	22.8					
G95.0	24.9	24.5	8.8	8.4	24.9					
G100.0	26.3	26.1	8.6	8.4	26.3					
G105.0	27.5	27.4	8.1	8.0	27.5					
G110.0	28.2	28.4	8.8	8.5	28.2					
G115.0	28.1	28.8	10.5	10.0	28.1					
G120.0	27.0	28.0	12.8	12.5	27.0					
G125.0	25.7	26.6	14.7	14.5	25.7					
G130.0	23.7	24.0	15.3	15.2	23.7					
G135.0	21.1	21.5	14.0	13.8	21.1					
G140.0	19.9	20.4	11.5	11.4	19.9					
G145.0	17.8	18.2	9.1	9.3	17.8					
G150.0	17.9	18.0	8.7	8.5	17.9					
G155.0	16.4	16.4	8.7	8.5	16.4					
G160.0	14.2	14.1	8.4	8.4	14.2					
G165.0	13.2	13.2	8.3	8.3	13.2					
G170.0	11.6	11.7	8.2	8.0	11.6					
G175.0	10.1	10.0	8.4	8.1	10.1					
G180.0	8.9	8.7	9.0	8.8	8.9					

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.705 m [K=1.0000]
Humidity: 65
Inspector:

LED Average Luminance Report

Avg.L	cd/m ²
L 0-180(65) av	10903.33
L 0-180(75) av	9615.83
L 0-180(85) av	7911.92
L 90-270(65) av	10902.46
L 90-270(75) av	9646.61
L 90-270(85) av	7877.94
L 45(65) av	10902.89
L 45(75) av	9631.22
L 45(85) av	7894.93

Standard: GB/T 29293-2012