

Report No.: TH-5623A

Test Time: 2025/9/10 15:08

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog:

Number of Lamps:

Luminous Length (mm): 480

Luminous Height (mm):

Current: 0.209 A

Power Factor: 0.429

Luminaire Description: 61.02355-483L

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 20

Voltage: 220.4 V

Power: 19.81 W

Photometric Results

CIE Class: Direct

Measurement Flux: 2260.4 lm

Downward Ratio: 97%

Horizontal Diffuse Angle(50%): H43.3

Vertical Diffuse Angle(50%): V36.7

Luminaire Efficacy Rating (LER): 114.15

Max. Intensity: 3078.64 cd

S/MH(C0/C180): 0.67

Total Rated Lamp Lumens: 2260.4 lm

Efficiency: 100%

Upward Ratio: 3%

C0r0 Intensity: 2771.72 cd

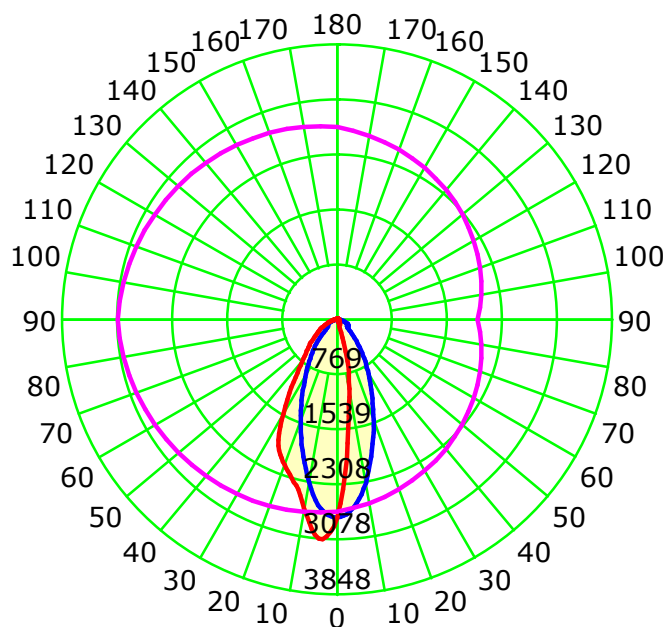
Pos of Max. Intensity: H270 V4

S/MH(C90/C270): 0.49

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 39.6°

— C0-C180 — C90-C270 — G4

C Plane (°):0.0-360.0: 90.0

Test Lab: Inventfine instruments

Test Type: TYPE C

Temperature: 26

Operator: Jack

Gamma Plane (°):0.0-180.0:1.0

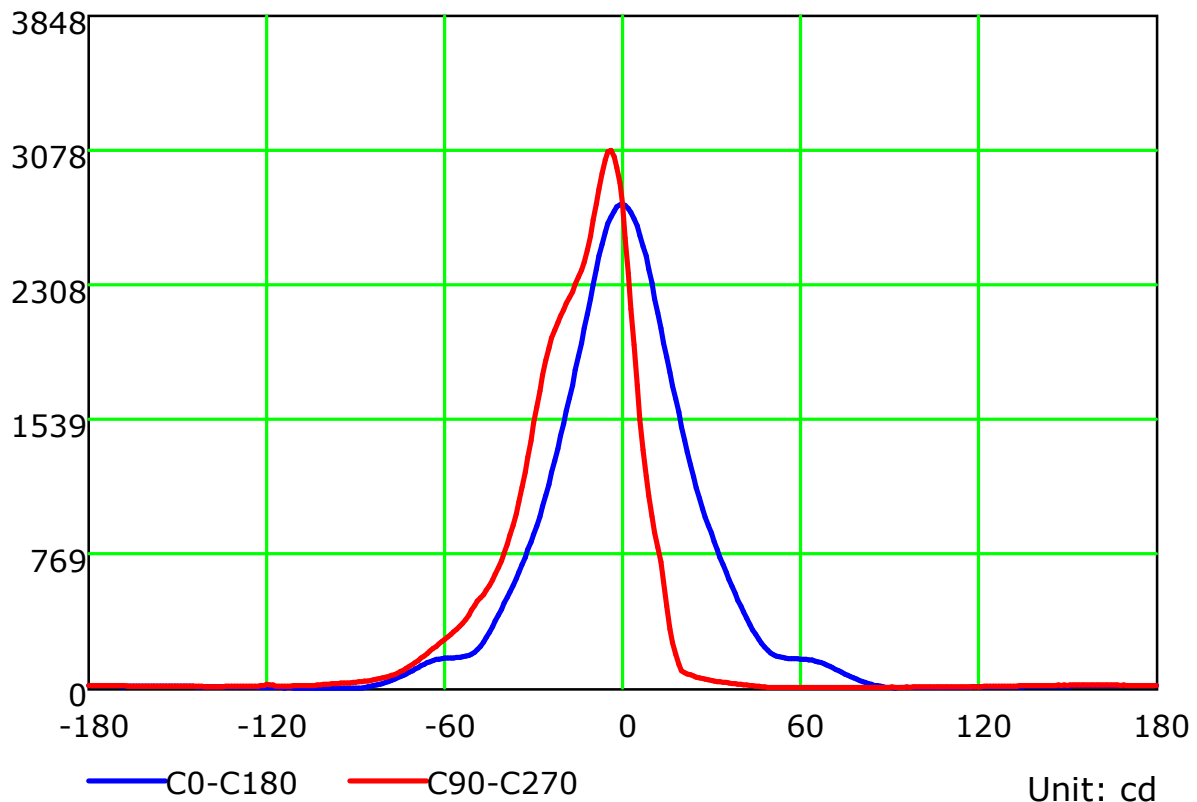
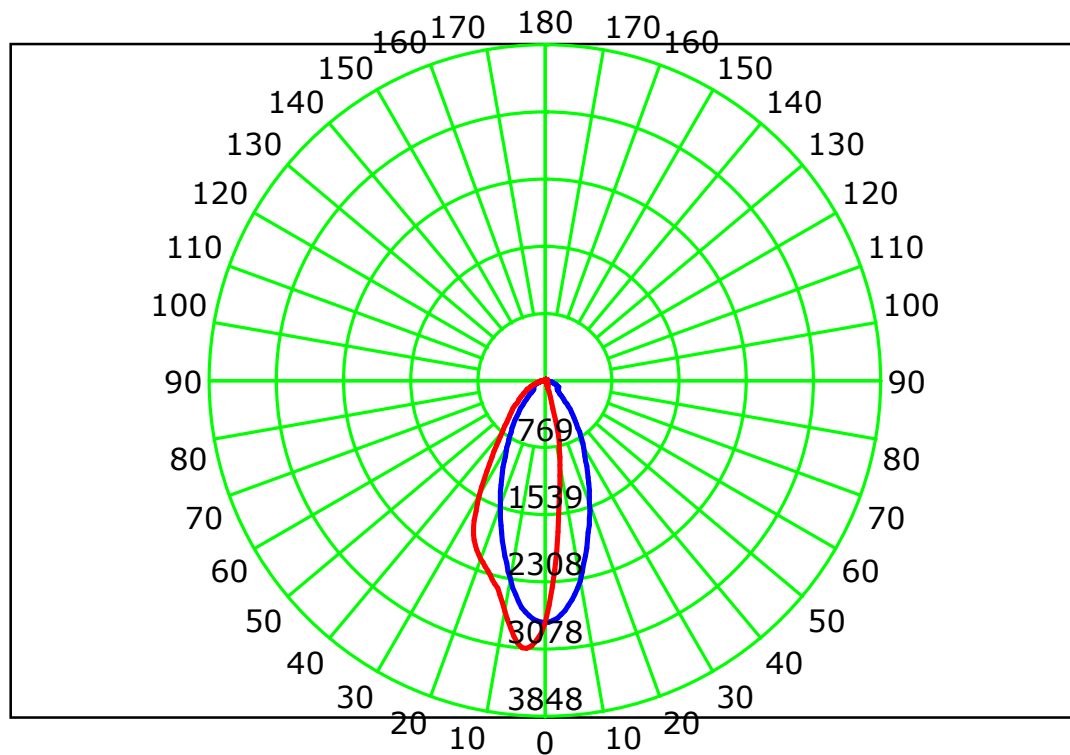
Test Device: GPM-1800B

Distance: 8.705 m [K=1.0000]

Humidity: 65

Inspector:

Luminous Intensity Distribution Curve



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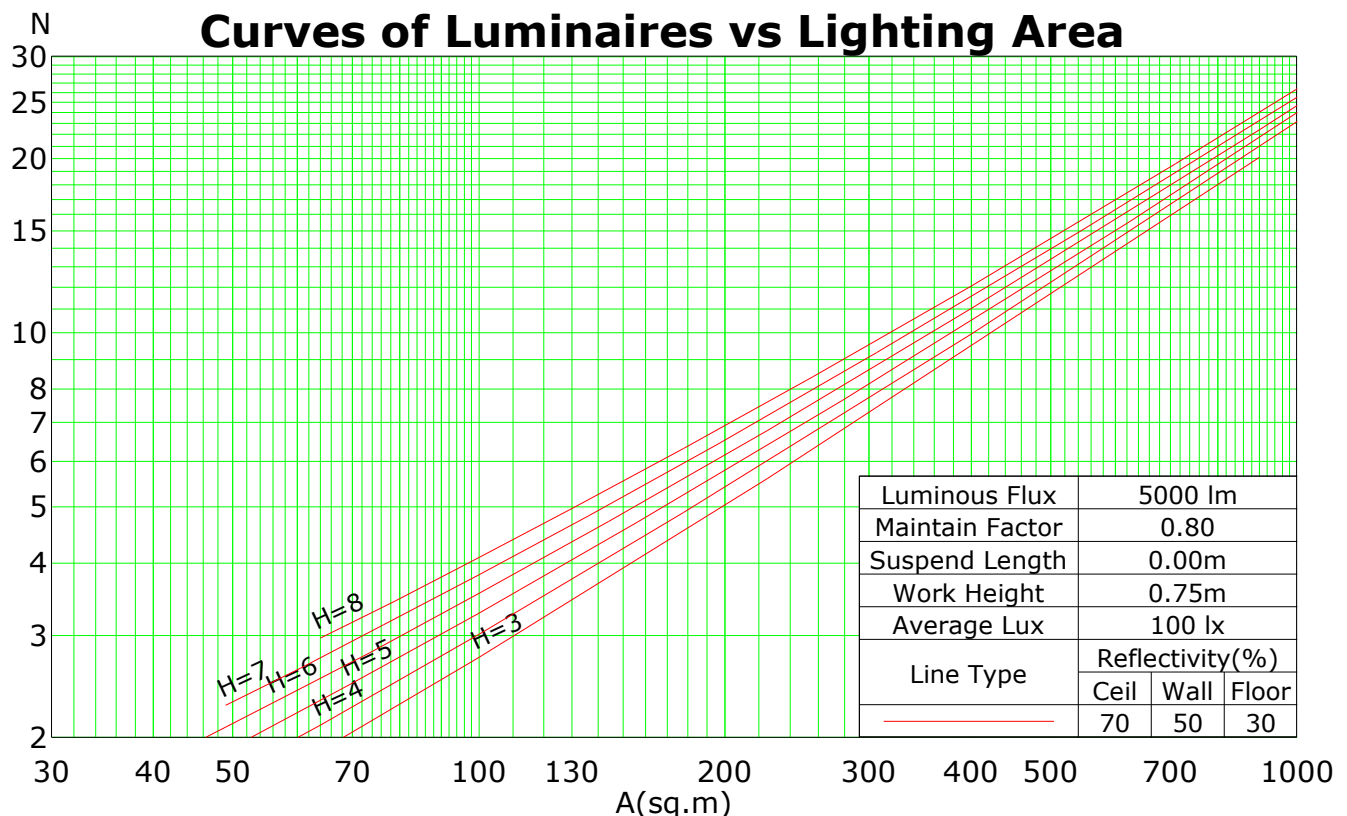
Coefficients Of Utilization - Zonal Cavity Method

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	1.18	1.18	1.18	1.18	1.15	1.15	1.15	1.15	1.09	1.09	1.09	1.04	1.04	1.04	0.99	0.99	0.99	0.97
1	1.11	1.07	1.04	1.01	1.08	1.04	1.02	0.99	1.00	0.97	0.95	0.95	0.94	0.92	0.92	0.90	0.89	0.86
2	1.03	0.97	0.92	0.87	1.01	0.95	0.90	0.86	0.91	0.87	0.84	0.88	0.84	0.81	0.84	0.82	0.79	0.77
3	0.97	0.88	0.82	0.77	0.94	0.87	0.81	0.76	0.84	0.79	0.75	0.81	0.76	0.73	0.78	0.74	0.71	0.70
4	0.90	0.81	0.74	0.69	0.88	0.80	0.73	0.68	0.77	0.72	0.67	0.75	0.70	0.66	0.72	0.68	0.65	0.63
5	0.85	0.75	0.68	0.62	0.83	0.74	0.67	0.62	0.71	0.66	0.61	0.69	0.64	0.60	0.67	0.63	0.59	0.58
6	0.80	0.69	0.62	0.57	0.78	0.68	0.62	0.57	0.66	0.61	0.56	0.65	0.59	0.55	0.63	0.58	0.55	0.53
7	0.76	0.65	0.58	0.53	0.74	0.64	0.57	0.52	0.62	0.56	0.52	0.61	0.55	0.51	0.59	0.54	0.51	0.49
8	0.71	0.60	0.53	0.49	0.70	0.60	0.53	0.49	0.58	0.52	0.48	0.57	0.52	0.48	0.56	0.51	0.47	0.46
9	0.68	0.57	0.50	0.45	0.66	0.56	0.50	0.45	0.55	0.49	0.45	0.54	0.48	0.45	0.53	0.48	0.44	0.43
10	0.64	0.53	0.47	0.42	0.63	0.53	0.47	0.42	0.52	0.46	0.42	0.51	0.45	0.42	0.50	0.45	0.42	0.40

Spacing Criteria (0-180): 0.67

Spacing Criteria (90-270): 0.49

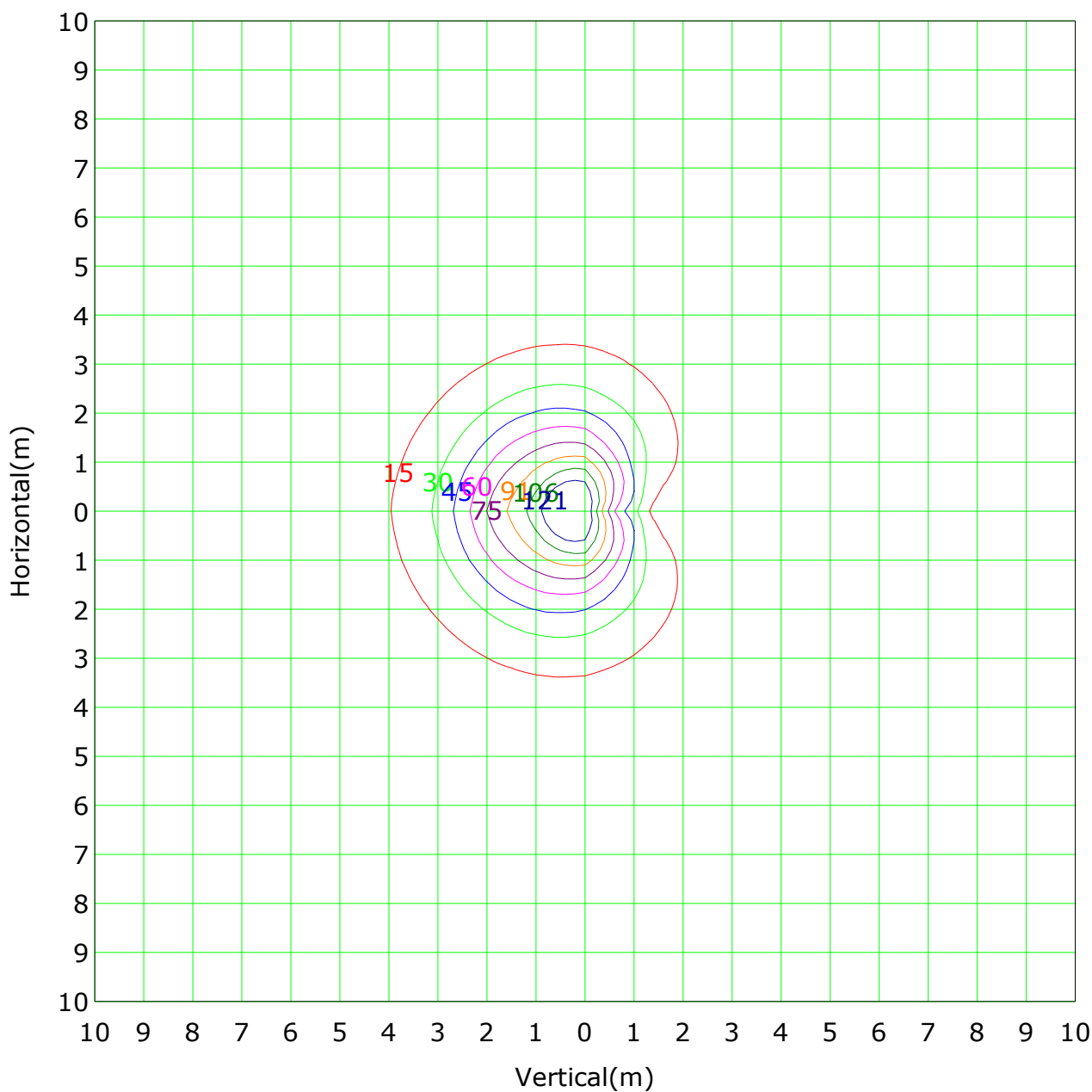
Spacing Criteria (Diagonal): 0.72



C Plane (°):0.0-360.0: 90.0
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Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.705 m [K=1.0000]
 Humidity: 65
 Inspector:

IsoLux Plot



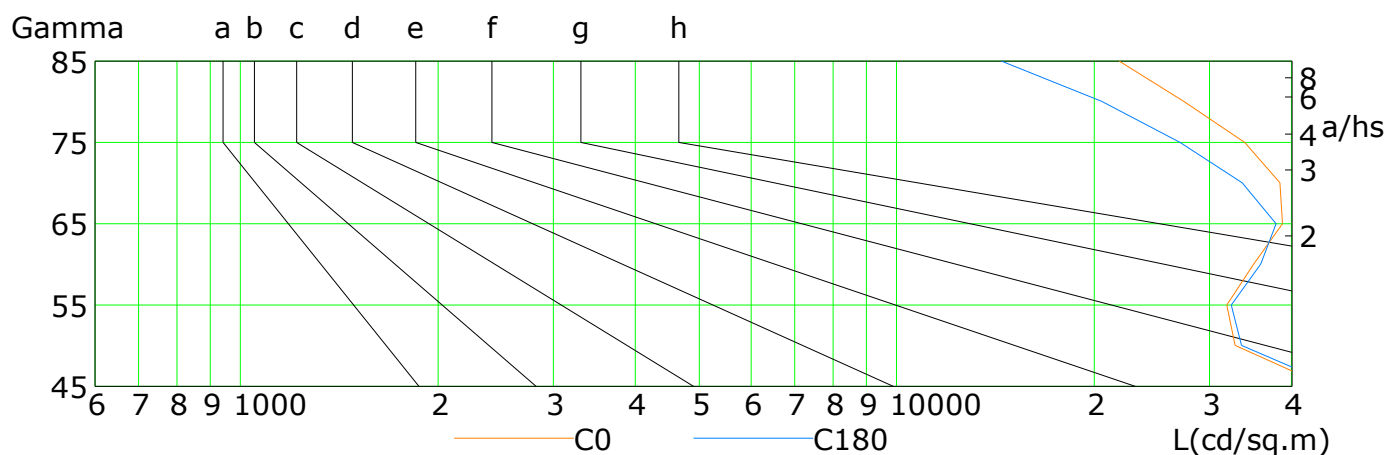
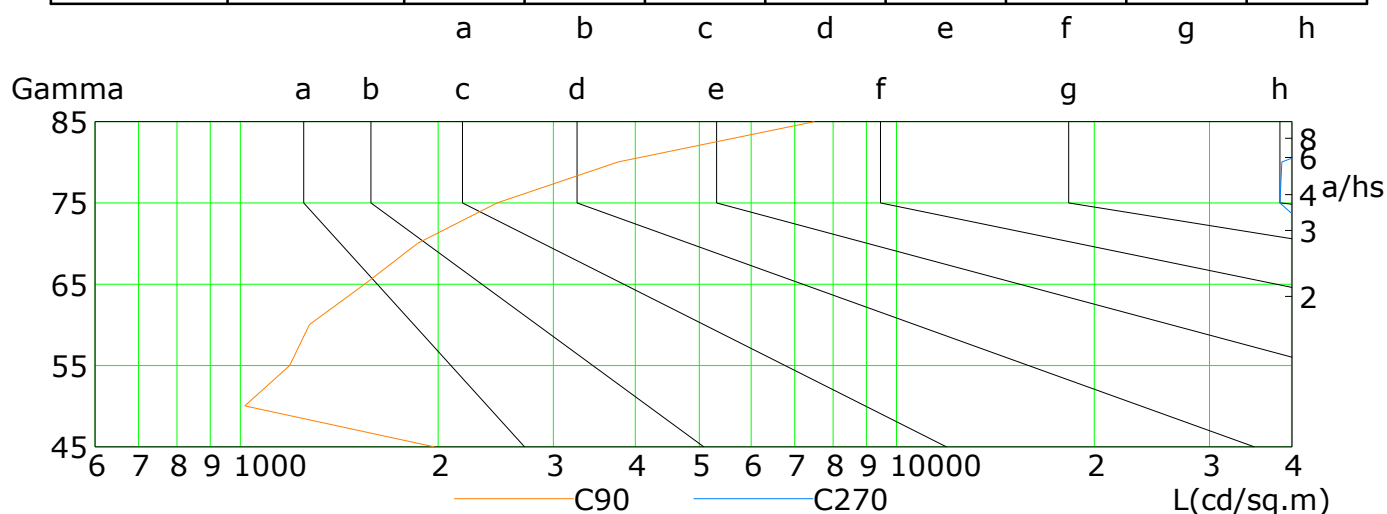
Mounting Height: 4.5m		Max Lux(100%): 150.9 lx	
(10%): 15.1 lx		(20%): 30.2 lx	
(30%): 45.3 lx		(40%): 60.4 lx	
(50%): 75.5 lx		(60%): 90.6 lx	
(70%): 105.6 lx		(80%): 120.7 lx	

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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

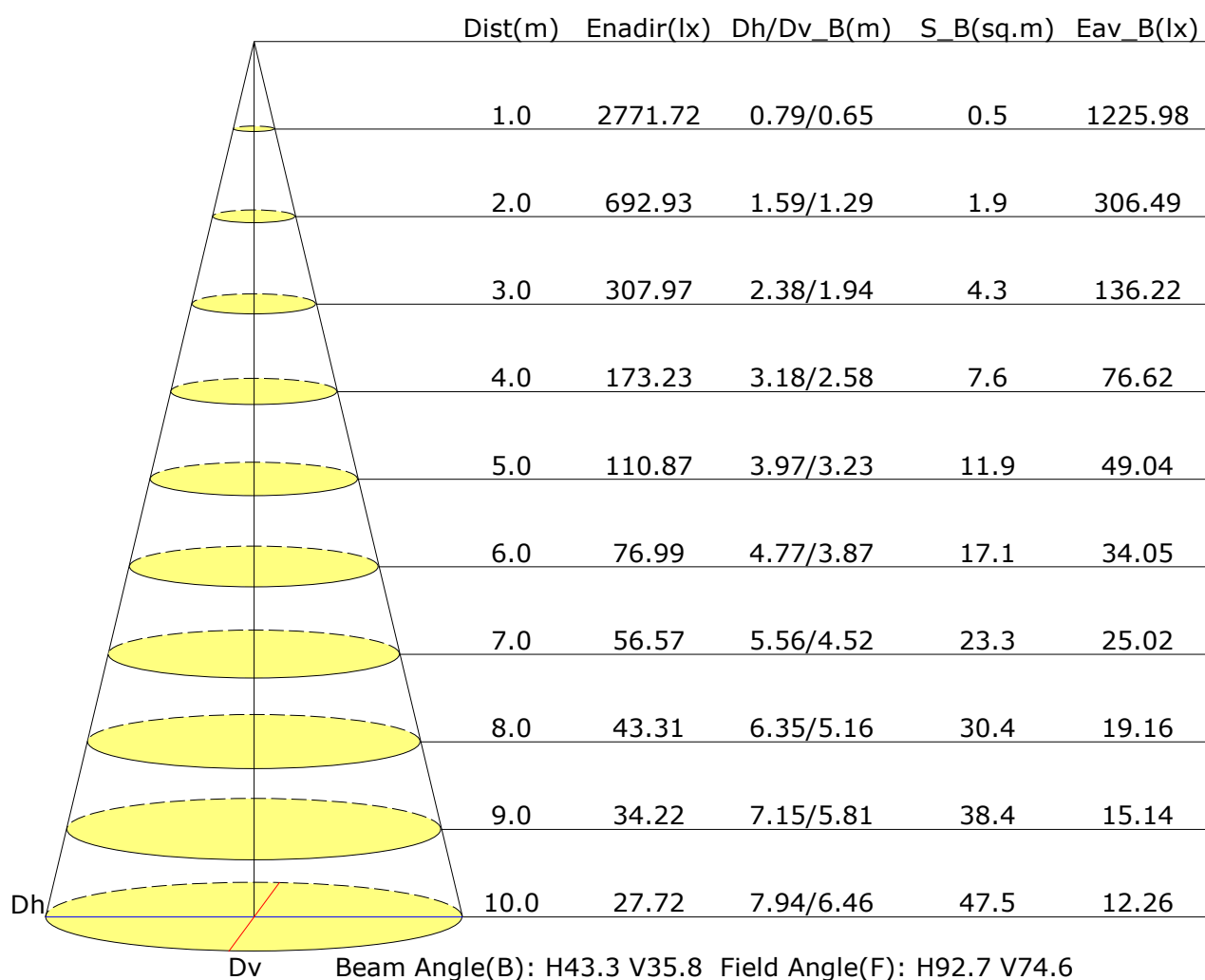


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	45516	32805	31822	35036	38752	38414	33898	27377	21859
C90	1973	1016	1189	1275	1545	1864	2463	3761	7493
C180	47172	33504	32345	35904	37866	33633	27002	20557	14453
C270	86590	77181	64794	58719	52797	45113	38407	38620	55489

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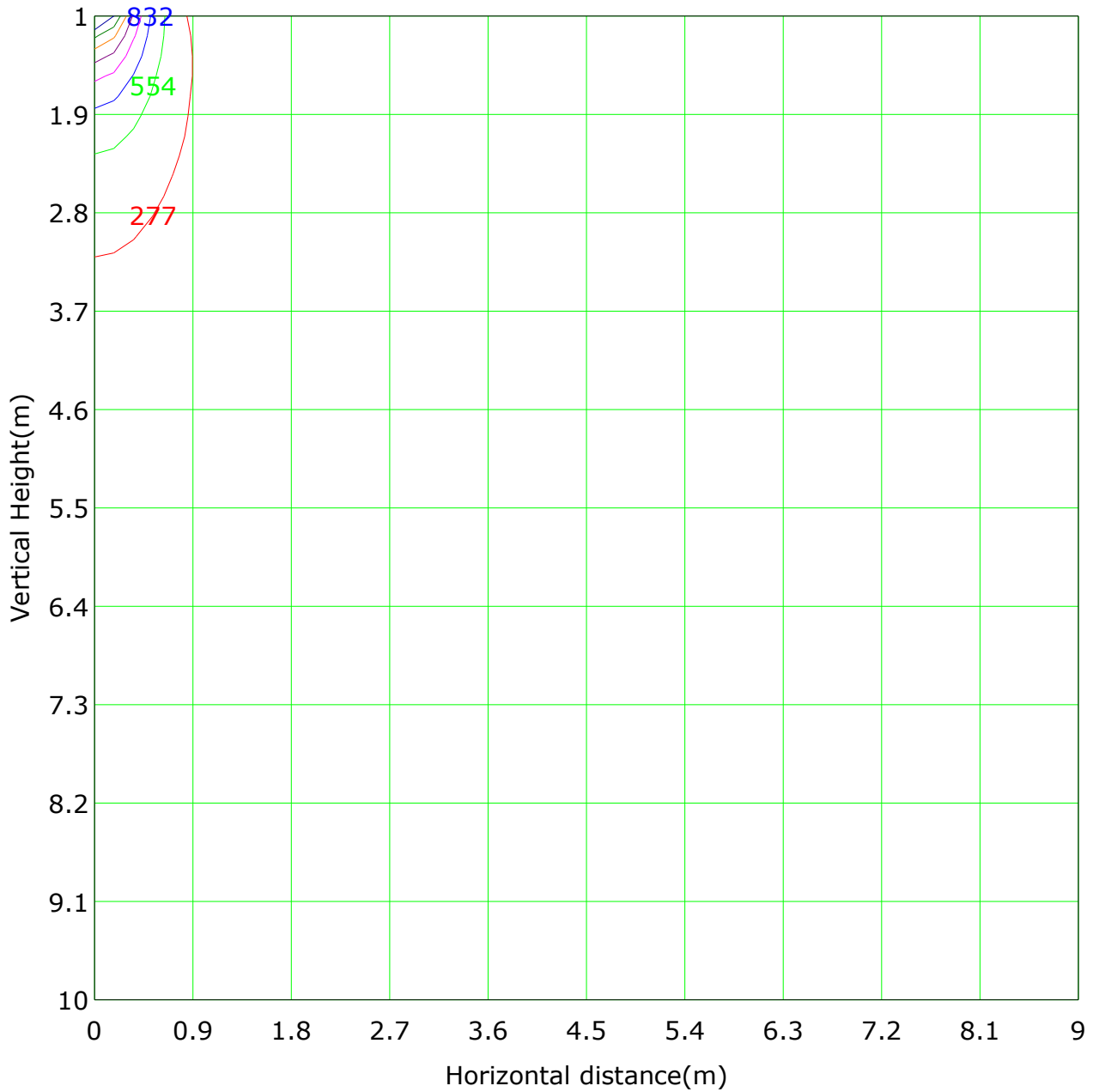
Illuminance at a Distance



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Test Type: TYPE C
Temperature: 26
Operator: Jack

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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: 2771.7 lx

(10%): 277.2 lx	(20%): 554.3 lx
(30%): 831.5 lx	(40%): 1108.7 lx
(50%): 1385.9 lx	(60%): 1663.0 lx
(70%): 1940.2 lx	(80%): 2217.4 lx

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 Distance: 8.705 m [K=1.0000]
 Humidity: 65
 Inspector:

Area Flux Table

Unit: lm

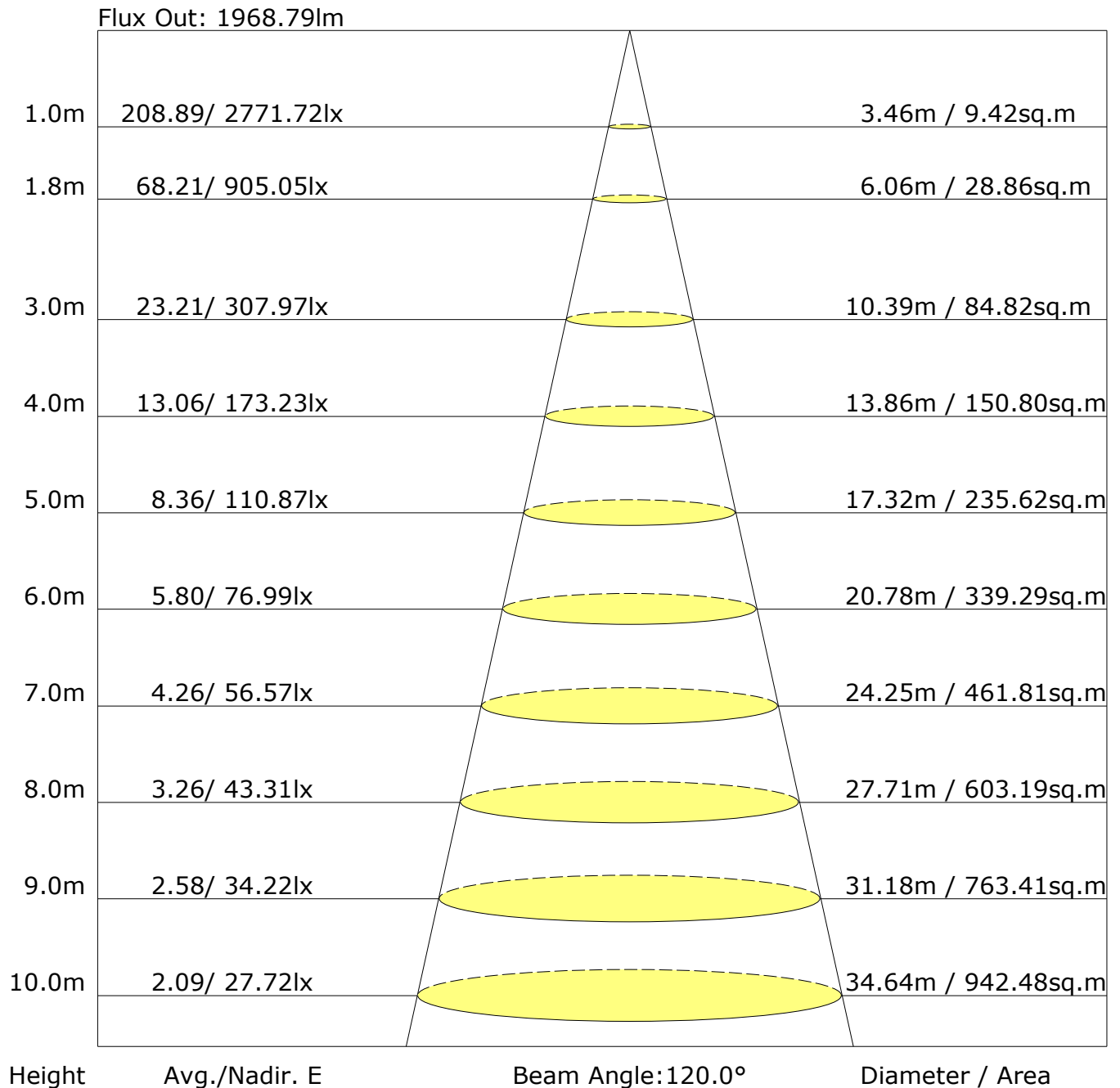
		Orbit, min																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
Vertical plane	-90	0.0	0.1	0.2	0.3	0.5	0.8	1.0	1.2	1.4	1.4	1.3	1.1	0.8	0.6	0.4	0.2	0.1	0.0	11.5	0.0	
	-80	0.0	0.1	0.3	0.7	1.1	1.7	2.2	2.6	2.9	3.0	2.7	2.3	1.8	1.3	0.8	0.4	0.2	0.0	24.1	0.0	
	-70	0.0	0.2	0.6	1.2	2.2	3.4	4.6	5.6	6.3	6.3	5.7	4.7	3.5	2.4	1.4	0.7	0.2	0.0	49.2	0.0	
	-60	0.0	0.3	0.9	2.0	3.6	5.4	7.1	9.0	10.5	10.5	9.0	7.1	5.4	3.7	2.2	1.0	0.3	0.0	78.2	26.1	
	-50	0.0	0.3	1.2	2.8	4.6	6.9	10.3	14.2	17.4	17.3	14.2	10.3	6.9	4.6	2.9	1.4	0.4	0.1	115.9	84.4	
	-40	0.0	0.4	1.6	3.3	5.3	9.3	15.9	24.0	31.2	31.1	23.9	15.7	9.2	5.2	3.3	1.7	0.5	0.1	181.7	158.3	
	-30	0.0	0.5	1.8	3.4	6.1	12.9	24.3	40.1	53.7	53.6	40.0	24.2	12.6	6.0	3.4	1.9	0.6	0.1	285.3	265.6	
	-20	0.1	0.6	1.9	3.4	7.0	16.2	32.0	51.8	67.3	67.2	51.6	31.9	16.0	6.8	3.4	2.0	0.7	0.1	359.7	342.2	
	-10	0.1	0.6	2.0	3.3	7.3	17.3	33.9	56.5	80.5	80.4	56.4	33.6	17.2	7.1	3.2	2.0	0.7	0.1	402.0	385.3	
	0	0.1	0.6	1.9	3.0	6.6	15.2	28.0	45.2	57.9	57.8	45.1	27.7	15.1	6.4	3.0	1.9	0.7	0.1	316.4	299.4	
	10	0.0	0.5	1.7	2.8	5.1	11.1	18.1	23.2	21.2	21.1	23.0	18.0	10.9	4.9	2.7	1.8	0.6	0.1	166.9	146.4	
	20	0.0	0.4	1.5	2.5	3.5	7.0	10.3	10.9	6.2	6.1	10.9	10.3	6.7	3.5	2.4	1.6	0.6	0.1	84.6	42.5	
30	0.0	0.4	1.2	2.2	2.7	3.7	5.3	5.2	2.8	2.8	5.1	5.1	3.6	2.6	2.2	1.4	0.5	0.1	46.8	0.0		
40	0.0	0.3	0.9	1.8	2.3	2.3	2.3	2.1	1.1	1.1	2.1	2.3	2.3	2.2	1.9	1.1	0.4	0.0	26.6	0.0		
50	0.0	0.2	0.6	1.2	1.8	1.9	1.7	1.2	0.5	0.5	1.2	1.7	1.9	1.9	1.4	0.8	0.3	0.0	18.9	0.0		
60	0.0	0.1	0.4	0.7	1.1	1.3	1.2	0.9	0.5	0.5	1.0	1.3	1.4	1.3	0.9	0.5	0.2	0.0	13.1	0.0		
70	0.0	0.1	0.2	0.3	0.5	0.6	0.6	0.5	0.3	0.3	0.6	0.7	0.7	0.6	0.4	0.3	0.1	0.0	6.8	0.0		
80	0.0	0.0	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0	2.7	0.0		
90	0.5	5.6	19.0	35.3	61.5	117.0	199.0	294.5	361.8	361.5	293.6	198.1	116.3	61.4	36.2	20.9	7.1	0.9	2190			
Flux(T)	0.0	0.0	0.0	0.0	16.7	84.8	170.6	268.1	338.1	337.8	267.0	169.3	83.1	14.7	0.0	0.0	0.0	0.0		1750		
Flux(E)	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)	

Horizontal plane

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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	23.3	24.4	23.6	24.6	24.9	24.3	25.4	24.6	25.6	25.9
3H	25.0	25.9	25.3	26.2	26.5	25.4	26.3	25.7	26.6	26.9
4H	25.6	26.5	26.0	26.8	27.2	25.7	26.6	26.1	27.0	27.3
6H	26.0	26.8	26.4	27.2	27.5	26.0	26.9	26.4	27.2	27.6
8H	26.1	26.9	26.5	27.3	27.6	26.2	27.0	26.6	27.4	27.7
12H	26.2	26.9	26.6	27.3	27.7	26.4	27.1	26.8	27.5	27.9
X=4H Y=2H	23.9	24.8	24.3	25.1	25.5	24.7	25.6	25.1	25.9	26.3
3H	25.7	26.5	26.1	26.9	27.3	26.0	26.7	26.4	27.1	27.5
4H	26.5	27.1	26.9	27.5	28.0	26.4	27.1	26.9	27.5	28.0
6H	27.0	27.6	27.4	28.0	28.4	26.9	27.5	27.3	27.9	28.4
8H	27.1	27.7	27.6	28.1	28.6	27.1	27.6	27.6	28.1	28.6
12H	27.2	27.7	27.7	28.2	28.7	27.4	27.9	27.9	28.3	28.8
X=8H Y=4H	26.6	27.2	27.1	27.7	28.1	26.6	27.2	27.1	27.6	28.1
6H	27.3	27.7	27.8	28.2	28.7	27.2	27.6	27.7	28.1	28.7
8H	27.5	27.9	28.0	28.4	29.0	27.5	27.9	28.0	28.4	29.0
12H	27.7	28.0	28.2	28.5	29.1	27.9	28.2	28.4	28.8	29.3
X=12H Y=4H	26.7	27.1	27.1	27.6	28.1	26.7	27.1	27.1	27.6	28.1
6H	27.3	27.7	27.8	28.2	28.8	27.2	27.6	27.8	28.1	28.7
8H	27.6	27.9	28.1	28.5	29.0	27.6	28.0	28.1	28.5	29.0
Variations with the observer position at spacings:										
S=1.0H	+0.3/-0.4					+0.8/-0.7				
S=1.5H	+0.7/-0.5					+1.6/-1.3				
S=2.0H	+1.3/-0.5					+2.3/-2.1				

Calculate in accordance with CIE Pub.117. The table is revised with 2260lm ($8\log(F/F_0) = 2.8$).

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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	2761.5	2.6	2.6	0.12	0.12
1.0-2.0	2733.4	7.8	10.5	0.35	0.46
2.0-3.0	2691.9	12.9	23.4	0.57	1.03
3.0-4.0	2637.9	17.7	41.0	0.78	1.81
4.0-5.0	2568.8	22.1	63.1	0.98	2.79
5.0-6.0	2485.9	26.1	89.3	1.16	3.95
6.0-7.0	2394.7	29.7	119.0	1.32	5.26
7.0-8.0	2301.6	32.9	151.9	1.46	6.72
8.0-9.0	2211.3	35.8	187.8	1.59	8.31
9.0-10.0	2121.1	38.4	226.2	1.70	10.01
10.0-11.0	2030.1	40.6	266.7	1.79	11.80
11.0-12.0	1943.6	42.5	309.2	1.88	13.68
12.0-13.0	1861.7	44.2	353.4	1.95	15.64
13.0-14.0	1780.7	45.6	399.0	2.02	17.65
14.0-15.0	1697.7	46.6	445.6	2.06	19.71
15.0-16.0	1612.8	47.3	492.9	2.09	21.81
16.0-17.0	1535.3	47.8	540.7	2.12	23.92
17.0-18.0	1469.4	48.5	589.1	2.14	26.06
18.0-19.0	1407.8	49.0	638.1	2.17	28.23
19.0-20.0	1348.9	49.4	687.5	2.18	30.42
20.0-21.0	1296.6	49.8	737.3	2.20	32.62
21.0-22.0	1249.1	50.2	787.5	2.22	34.84
22.0-23.0	1202.0	50.4	837.9	2.23	37.07
23.0-24.0	1154.9	50.5	888.4	2.23	39.31
24.0-25.0	1107.2	50.3	938.8	2.23	41.53
25.0-26.0	1058.4	50.0	988.8	2.21	43.74
26.0-27.0	1007.4	49.3	1038.1	2.18	45.92
27.0-28.0	955.0	48.4	1086.4	2.14	48.06
28.0-29.0	904.9	47.3	1133.8	2.09	50.16
29.0-30.0	857.3	46.3	1180.1	2.05	52.21
30.0-31.0	809.2	45.0	1225.1	1.99	54.20
31.0-32.0	761.2	43.6	1268.7	1.93	56.13
32.0-33.0	715.8	42.2	1310.9	1.87	57.99
33.0-34.0	672.4	40.7	1351.6	1.80	59.79
34.0-35.0	629.6	39.1	1390.7	1.73	61.52
35.0-36.0	588.9	37.5	1428.2	1.66	63.18

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 Inspector:

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	551.7	36.0	1464.2	1.59	64.78
37.0-38.0	516.9	34.5	1498.7	1.53	66.30
38.0-39.0	484.6	33.1	1531.8	1.46	67.77
39.0-40.0	453.8	31.7	1563.4	1.40	69.17
40.0-41.0	424.8	30.3	1593.7	1.34	70.50
41.0-42.0	397.0	28.8	1622.5	1.28	71.78
42.0-43.0	369.5	27.4	1649.9	1.21	72.99
43.0-44.0	343.6	25.9	1675.8	1.15	74.14
44.0-45.0	319.5	24.6	1700.4	1.09	75.23
45.0-46.0	297.2	23.2	1723.6	1.03	76.25
46.0-47.0	277.1	22.0	1745.7	0.98	77.23
47.0-48.0	258.8	20.9	1766.6	0.93	78.16
48.0-49.0	243.0	20.0	1786.6	0.88	79.04
49.0-50.0	229.4	19.1	1805.7	0.85	79.88
50.0-51.0	216.8	18.3	1824.0	0.81	80.70
51.0-52.0	205.5	17.6	1841.7	0.78	81.48
52.0-53.0	195.9	17.0	1858.7	0.75	82.23
53.0-54.0	187.9	16.6	1875.3	0.73	82.96
54.0-55.0	181.8	16.2	1891.5	0.72	83.68
55.0-56.0	176.2	15.9	1907.4	0.70	84.39
56.0-57.0	171.1	15.6	1923.1	0.69	85.08
57.0-58.0	166.8	15.4	1938.5	0.68	85.76
58.0-59.0	163.1	15.2	1953.7	0.67	86.44
59.0-60.0	159.2	15.0	1968.8	0.67	87.10
60.0-61.0	155.2	14.8	1983.6	0.66	87.76
61.0-62.0	151.2	14.6	1998.2	0.64	88.40
62.0-63.0	146.8	14.3	2012.4	0.63	89.03
63.0-64.0	141.7	13.9	2026.4	0.62	89.65
64.0-65.0	135.9	13.5	2039.8	0.60	90.24
65.0-66.0	129.7	12.9	2052.8	0.57	90.82
66.0-67.0	123.1	12.4	2065.1	0.55	91.36
67.0-68.0	116.2	11.8	2076.9	0.52	91.88
68.0-69.0	109.0	11.1	2088.0	0.49	92.38
69.0-70.0	101.4	10.4	2098.4	0.46	92.84
70.0-71.0	94.3	9.7	2108.2	0.43	93.27
71.0-72.0	87.3	9.1	2117.3	0.40	93.67

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

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	80.2	8.4	2125.7	0.37	94.04
73.0-74.0	73.1	7.7	2133.3	0.34	94.38
74.0-75.0	66.5	7.0	2140.4	0.31	94.69
75.0-76.0	60.0	6.4	2146.7	0.28	94.97
76.0-77.0	54.1	5.8	2152.5	0.26	95.23
77.0-78.0	49.1	5.3	2157.8	0.23	95.46
78.0-79.0	44.4	4.8	2162.5	0.21	95.67
79.0-80.0	39.9	4.3	2166.8	0.19	95.86
80.0-81.0	35.8	3.9	2170.7	0.17	96.03
81.0-82.0	31.9	3.5	2174.2	0.15	96.19
82.0-83.0	28.3	3.1	2177.2	0.14	96.32
83.0-84.0	25.1	2.7	2180.0	0.12	96.44
84.0-85.0	22.2	2.4	2182.4	0.11	96.55
85.0-86.0	19.7	2.2	2184.5	0.10	96.65
86.0-87.0	17.6	1.9	2186.5	0.09	96.73
87.0-88.0	15.1	1.7	2188.1	0.07	96.80
88.0-89.0	13.2	1.5	2189.6	0.06	96.87
89.0-90.0	12.5	1.4	2190.9	0.06	96.93
90.0-91.0	12.0	1.3	2192.3	0.06	96.99
91.0-92.0	10.9	1.2	2193.5	0.05	97.04
92.0-93.0	10.5	1.2	2194.6	0.05	97.09
93.0-94.0	11.0	1.2	2195.8	0.05	97.14
94.0-95.0	10.8	1.2	2197.0	0.05	97.20
95.0-96.0	10.6	1.2	2198.1	0.05	97.25
96.0-97.0	10.3	1.1	2199.3	0.05	97.30
97.0-98.0	9.9	1.1	2200.3	0.05	97.34
98.0-99.0	9.7	1.1	2201.4	0.05	97.39
99.0-100.0	9.4	1.0	2202.4	0.04	97.44
100.0-101.0	9.0	1.0	2203.4	0.04	97.48
101.0-102.0	8.8	0.9	2204.3	0.04	97.52
102.0-103.0	8.5	0.9	2205.2	0.04	97.56
103.0-104.0	8.2	0.9	2206.1	0.04	97.60
104.0-105.0	8.1	0.9	2207.0	0.04	97.64
105.0-106.0	8.0	0.8	2207.8	0.04	97.68
106.0-107.0	8.1	0.8	2208.7	0.04	97.71
107.0-108.0	8.1	0.9	2209.5	0.04	97.75

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

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	8.0	0.8	2210.3	0.04	97.79
109.0-110.0	7.7	0.8	2211.1	0.04	97.82
110.0-111.0	7.6	0.8	2211.9	0.03	97.86
111.0-112.0	8.1	0.8	2212.8	0.04	97.89
112.0-113.0	8.7	0.9	2213.6	0.04	97.93
113.0-114.0	8.0	0.8	2214.4	0.04	97.97
114.0-115.0	8.0	0.8	2215.2	0.04	98.00
115.0-116.0	8.7	0.9	2216.1	0.04	98.04
116.0-117.0	9.2	0.9	2217.0	0.04	98.08
117.0-118.0	10.3	1.0	2218.0	0.04	98.13
118.0-119.0	11.2	1.1	2219.1	0.05	98.17
119.0-120.0	11.8	1.1	2220.2	0.05	98.22
120.0-121.0	11.4	1.1	2221.3	0.05	98.27
121.0-122.0	10.7	1.0	2222.3	0.04	98.32
122.0-123.0	10.5	1.0	2223.3	0.04	98.36
123.0-124.0	10.4	0.9	2224.2	0.04	98.40
124.0-125.0	10.4	0.9	2225.1	0.04	98.44
125.0-126.0	10.6	0.9	2226.1	0.04	98.48
126.0-127.0	10.8	1.0	2227.0	0.04	98.53
127.0-128.0	11.0	1.0	2228.0	0.04	98.57
128.0-129.0	11.1	1.0	2229.0	0.04	98.61
129.0-130.0	11.3	1.0	2229.9	0.04	98.65
130.0-131.0	11.4	1.0	2230.9	0.04	98.69
131.0-132.0	11.4	0.9	2231.8	0.04	98.74
132.0-133.0	11.4	0.9	2232.7	0.04	98.78
133.0-134.0	11.5	0.9	2233.6	0.04	98.82
134.0-135.0	11.5	0.9	2234.5	0.04	98.86
135.0-136.0	11.5	0.9	2235.4	0.04	98.90
136.0-137.0	11.7	0.9	2236.3	0.04	98.94
137.0-138.0	11.8	0.9	2237.2	0.04	98.97
138.0-139.0	11.8	0.9	2238.0	0.04	99.01
139.0-140.0	11.9	0.8	2238.9	0.04	99.05
140.0-141.0	12.3	0.9	2239.7	0.04	99.09
141.0-142.0	12.8	0.9	2240.6	0.04	99.13
142.0-143.0	13.2	0.9	2241.5	0.04	99.16
143.0-144.0	13.4	0.9	2242.4	0.04	99.20

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

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	13.6	0.9	2243.2	0.04	99.24
145.0-146.0	13.7	0.9	2244.1	0.04	99.28
146.0-147.0	13.8	0.8	2244.9	0.04	99.32
147.0-148.0	13.8	0.8	2245.7	0.04	99.35
148.0-149.0	14.0	0.8	2246.5	0.04	99.39
149.0-150.0	14.1	0.8	2247.3	0.03	99.42
150.0-151.0	14.1	0.8	2248.1	0.03	99.46
151.0-152.0	14.4	0.8	2248.8	0.03	99.49
152.0-153.0	14.7	0.7	2249.6	0.03	99.52
153.0-154.0	14.8	0.7	2250.3	0.03	99.55
154.0-155.0	15.0	0.7	2251.0	0.03	99.59
155.0-156.0	15.3	0.7	2251.7	0.03	99.62
156.0-157.0	15.4	0.7	2252.4	0.03	99.65
157.0-158.0	15.5	0.6	2253.0	0.03	99.68
158.0-159.0	15.6	0.6	2253.6	0.03	99.70
159.0-160.0	15.6	0.6	2254.2	0.03	99.73
160.0-161.0	15.7	0.6	2254.8	0.03	99.75
161.0-162.0	15.8	0.6	2255.4	0.02	99.78
162.0-163.0	15.9	0.5	2255.9	0.02	99.80
163.0-164.0	16.0	0.5	2256.4	0.02	99.82
164.0-165.0	16.1	0.5	2256.9	0.02	99.85
165.0-166.0	16.1	0.4	2257.3	0.02	99.86
166.0-167.0	16.1	0.4	2257.7	0.02	99.88
167.0-168.0	16.2	0.4	2258.1	0.02	99.90
168.0-169.0	16.3	0.4	2258.5	0.02	99.92
169.0-170.0	16.4	0.3	2258.8	0.01	99.93
170.0-171.0	16.4	0.3	2259.1	0.01	99.94
171.0-172.0	16.5	0.3	2259.3	0.01	99.96
172.0-173.0	16.4	0.2	2259.6	0.01	99.97
173.0-174.0	16.5	0.2	2259.8	0.01	99.97
174.0-175.0	16.5	0.2	2260.0	0.01	99.98
175.0-176.0	16.4	0.1	2260.1	0.01	99.99
176.0-177.0	16.5	0.1	2260.2	0.00	99.99
177.0-178.0	16.6	0.1	2260.3	0.00	100.00
178.0-179.0	16.6	0.0	2260.3	0.00	100.00
179.0-180.0	16.7	0.0	2260.4	0.00	100.00

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

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°): 1700.38 lm

%lum = 75.2%

%lamp = 75.2%

cone flux(120°): 1968.79 lm

%lum = 87.1%

%lamp = 87.1%

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	2771.7	2771.7	2771.7	2771.7	2771.7					
G5.0	2648.0	1736.7	2661.7	3074.2	2648.0					
G10.0	2322.6	983.4	2310.8	2682.7	2322.6					
G15.0	1895.9	469.7	1899.9	2356.1	1895.9					
G20.0	1495.4	99.4	1517.1	2169.7	1495.4					
G25.0	1149.7	65.4	1168.8	1948.4	1149.7					
G30.0	887.5	47.6	880.9	1519.8	887.5					
G35.0	663.5	33.3	666.9	1068.0	663.5					
G40.0	469.8	22.9	488.9	774.1	469.8					
G45.0	309.0	13.4	320.2	587.8	309.0					
G50.0	202.4	6.3	206.7	476.3	202.4					
G55.0	175.2	6.5	178.1	356.8	175.2					
G60.0	168.2	6.1	172.3	281.9	168.2					
G65.0	157.2	6.3	153.6	214.2	157.2					
G70.0	126.1	6.1	110.4	148.1	126.1					
G75.0	84.2	6.1	67.1	95.4	84.2					
G80.0	45.6	6.3	34.3	64.4	45.6					
G85.0	18.3	6.3	12.1	46.4	18.3					
G90.0	5.9	6.7	0.0	35.9	5.9					
G95.0	6.0	6.5	0.0	29.9	6.0					
G100.0	6.0	8.3	0.0	22.1	6.0					
G105.0	6.6	8.4	0.0	17.1	6.6					
G110.0	6.3	8.5	0.0	15.5	6.3					
G115.0	7.1	9.3	5.9	12.4	7.1					
G120.0	7.6	11.0	6.6	23.2	7.6					
G125.0	8.6	12.1	7.6	13.7	8.6					
G130.0	9.9	14.0	8.6	13.2	9.9					
G135.0	10.7	15.2	9.4	10.3	10.7					
G140.0	12.0	16.7	10.2	9.5	12.0					
G145.0	13.4	17.5	11.1	12.7	13.4					
G150.0	14.1	18.2	12.2	11.5	14.1					
G155.0	15.7	18.9	13.5	12.5	15.7					
G160.0	16.1	19.2	13.5	14.0	16.1					
G165.0	16.8	18.8	14.4	14.5	16.8					
G170.0	17.6	18.2	14.7	15.2	17.6					
G175.0	17.6	17.5	15.3	15.4	17.6					
G180.0	17.6	17.4	15.4	16.2	17.6					

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

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	38309.05
L 0-180(75) av	30450.21
L 0-180(85) av	18155.96
L 90-270(65) av	27171.02
L 90-270(75) av	20434.97
L 90-270(85) av	31490.57
L 45(65) av	32740.03
L 45(75) av	25442.59
L 45(85) av	24823.27

Standard: GB/T 29293-2012