

Report No.:

Test Time: 2023-04-13 16:24

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog: LED

Number of Lamps: 1

Luminous Length (mm): 1213

Luminous Height (mm):

Current: 0.233 A

Power Factor: 0.996

Luminaire Description:

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 303

Voltage: 119.8 V

Power: 27.71 W

Photometric Results

CIE Class: Direct

Measurement Flux: 3868.3 lm

Downward Ratio: 98%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 167.4, 157.9, 165.2, 165.8

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 117.3, 107.5, 111.5, 111.7

Luminaire Efficacy Rating (LER): 139.65

Max. Intensity: 1325.45 cd

S/MH(C0/C180): 1.26

Total Rated Lamp Lumens: 3868.3 lm

Efficiency: 100%

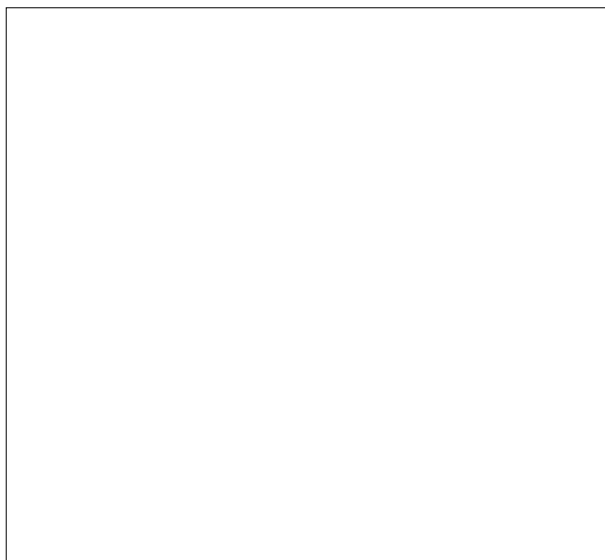
Upward Ratio: 2%

C0r0 Intensity: 1325.44 cd

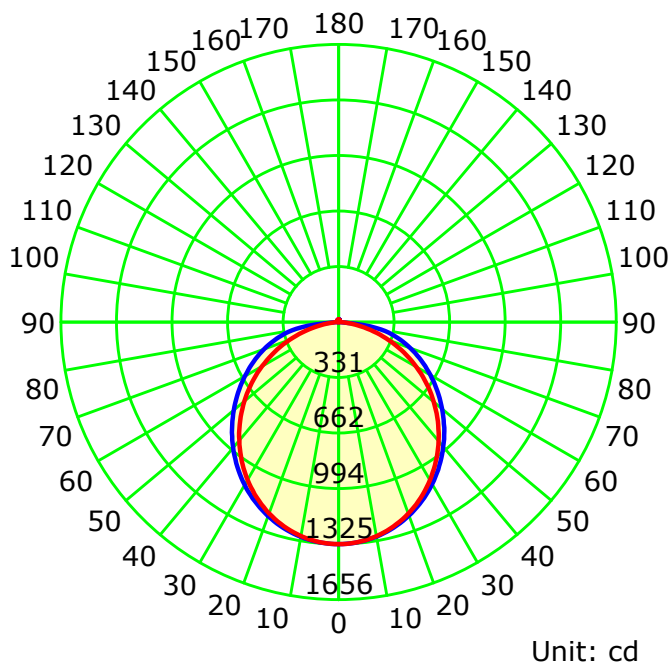
Pos of Max. Intensity: H0 V0

S/MH(C90/C270): 1.22

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

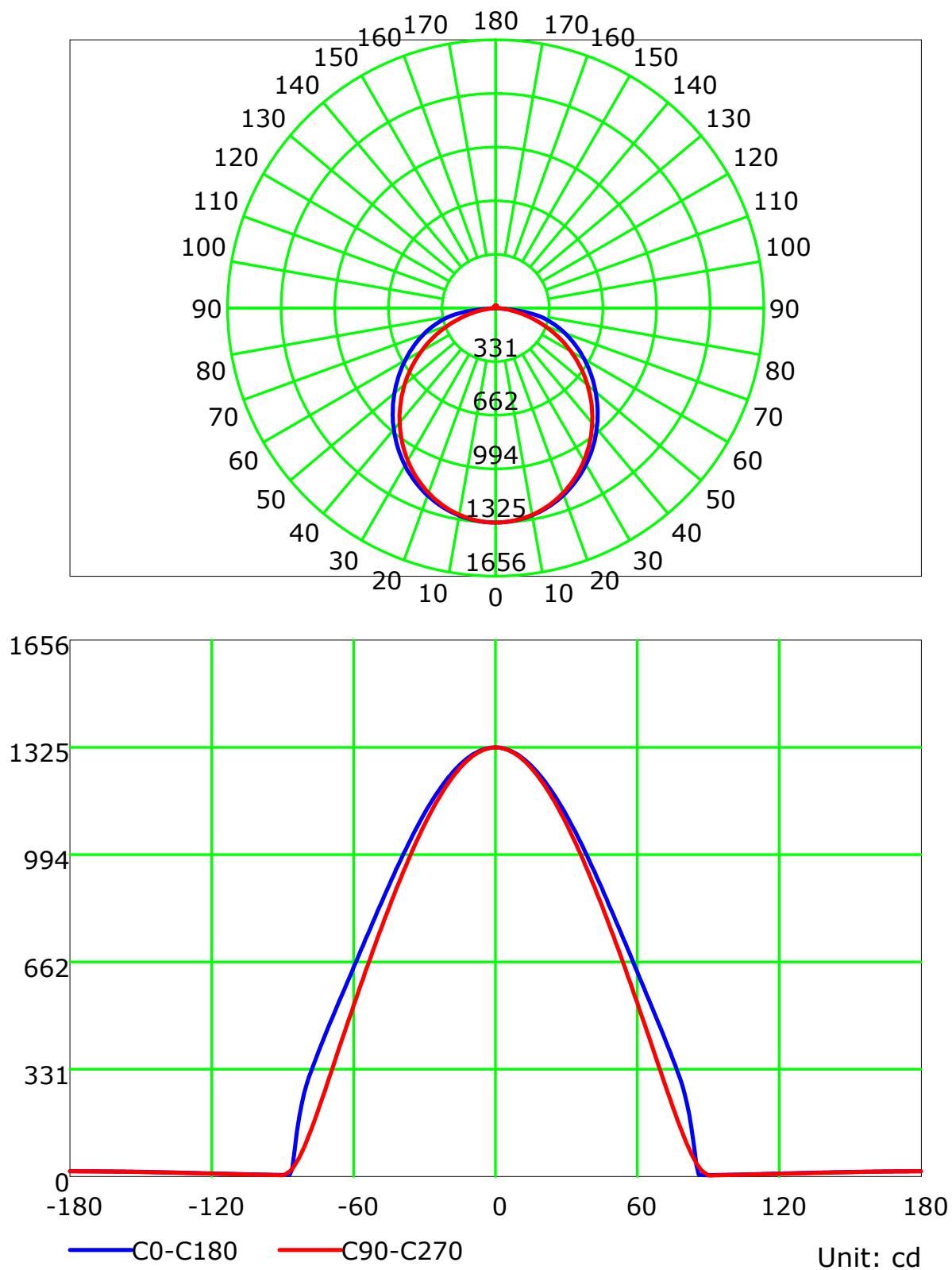
Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

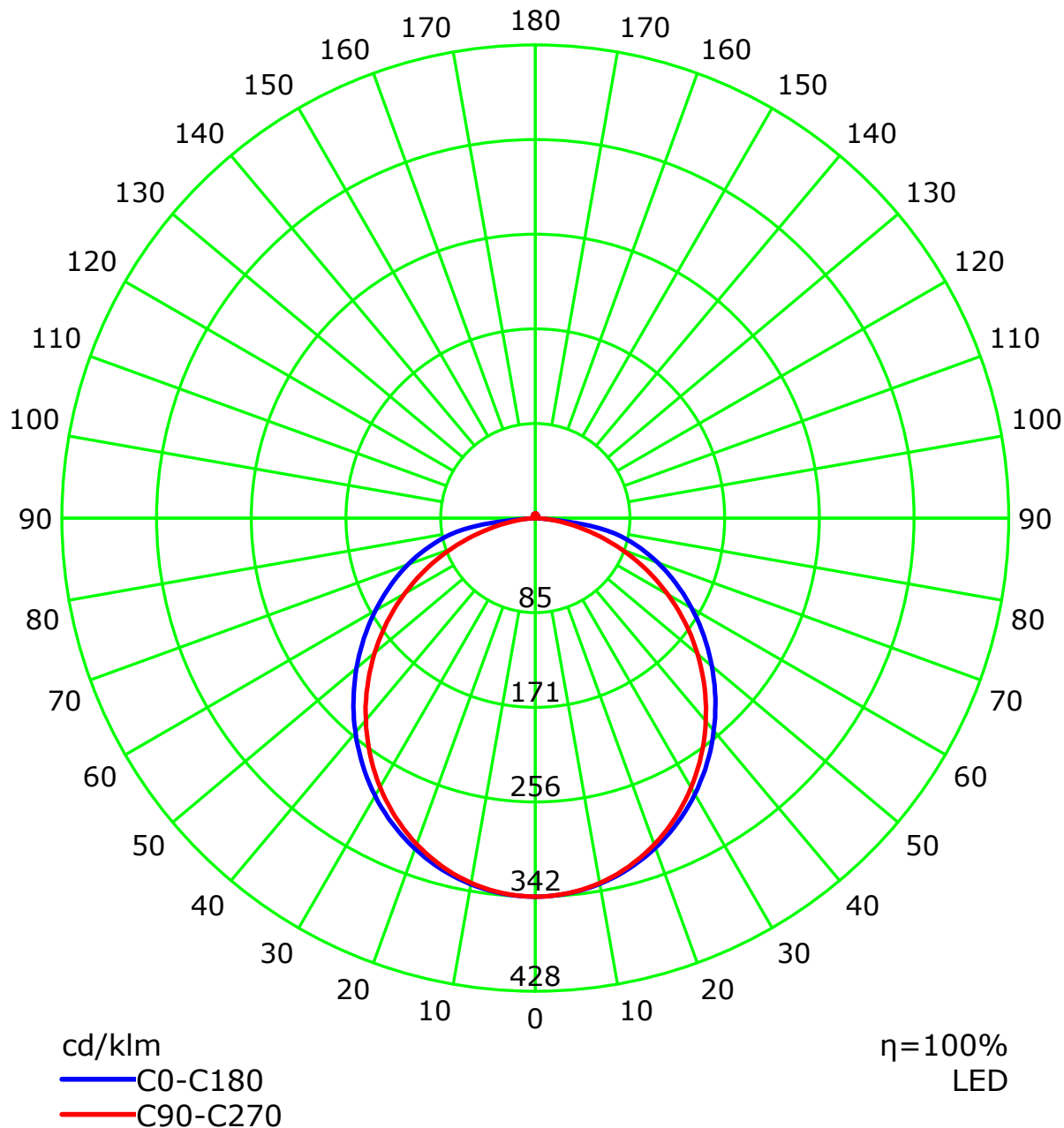
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.011 m
Humidity:
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



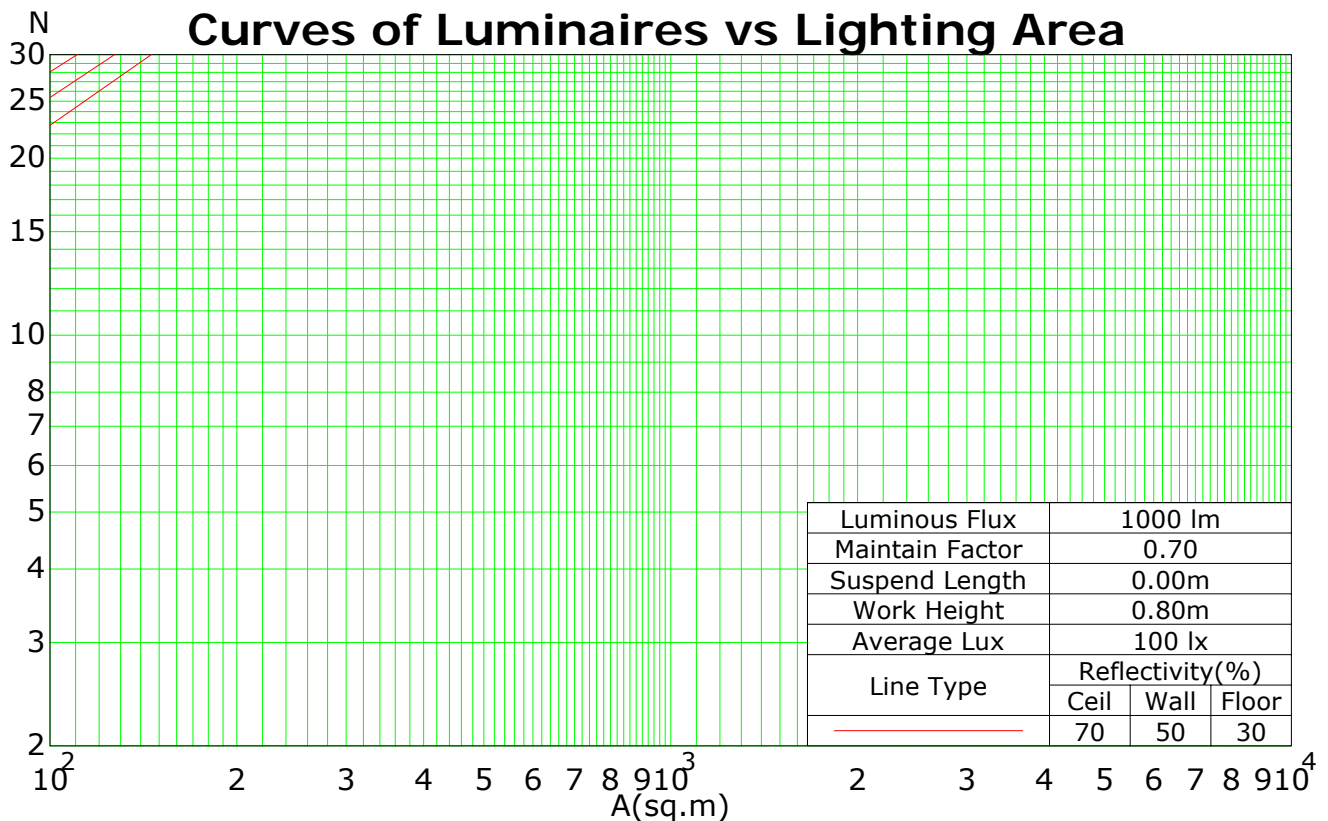
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.011 m
Humidity:
Inspector:

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	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.01	1.01	1.01	0.98
1	1.08	1.03	0.99	0.95	1.05	1.01	0.97	0.93	0.96	0.93	0.90	0.92	0.89	0.87	0.88	0.86	0.84	0.82
2	0.98	0.90	0.83	0.77	0.95	0.87	0.81	0.76	0.84	0.78	0.74	0.80	0.76	0.72	0.77	0.73	0.70	0.68
3	0.89	0.78	0.70	0.63	0.87	0.77	0.69	0.63	0.73	0.67	0.61	0.70	0.65	0.60	0.68	0.63	0.59	0.57
4	0.82	0.69	0.60	0.54	0.79	0.68	0.60	0.53	0.65	0.58	0.52	0.63	0.56	0.51	0.60	0.55	0.50	0.48
5	0.75	0.62	0.53	0.46	0.73	0.61	0.52	0.46	0.58	0.51	0.45	0.56	0.50	0.44	0.54	0.48	0.44	0.42
6	0.69	0.56	0.47	0.40	0.67	0.55	0.46	0.40	0.53	0.45	0.39	0.51	0.44	0.39	0.49	0.43	0.38	0.36
7	0.64	0.50	0.42	0.35	0.62	0.50	0.41	0.35	0.48	0.40	0.35	0.46	0.40	0.34	0.45	0.39	0.34	0.32
8	0.60	0.46	0.37	0.32	0.58	0.45	0.37	0.31	0.44	0.36	0.31	0.42	0.36	0.31	0.41	0.35	0.31	0.29
9	0.56	0.42	0.34	0.28	0.54	0.42	0.34	0.28	0.40	0.33	0.28	0.39	0.33	0.28	0.38	0.32	0.28	0.26
10	0.52	0.39	0.31	0.26	0.51	0.38	0.31	0.26	0.37	0.30	0.25	0.36	0.30	0.25	0.35	0.29	0.25	0.23

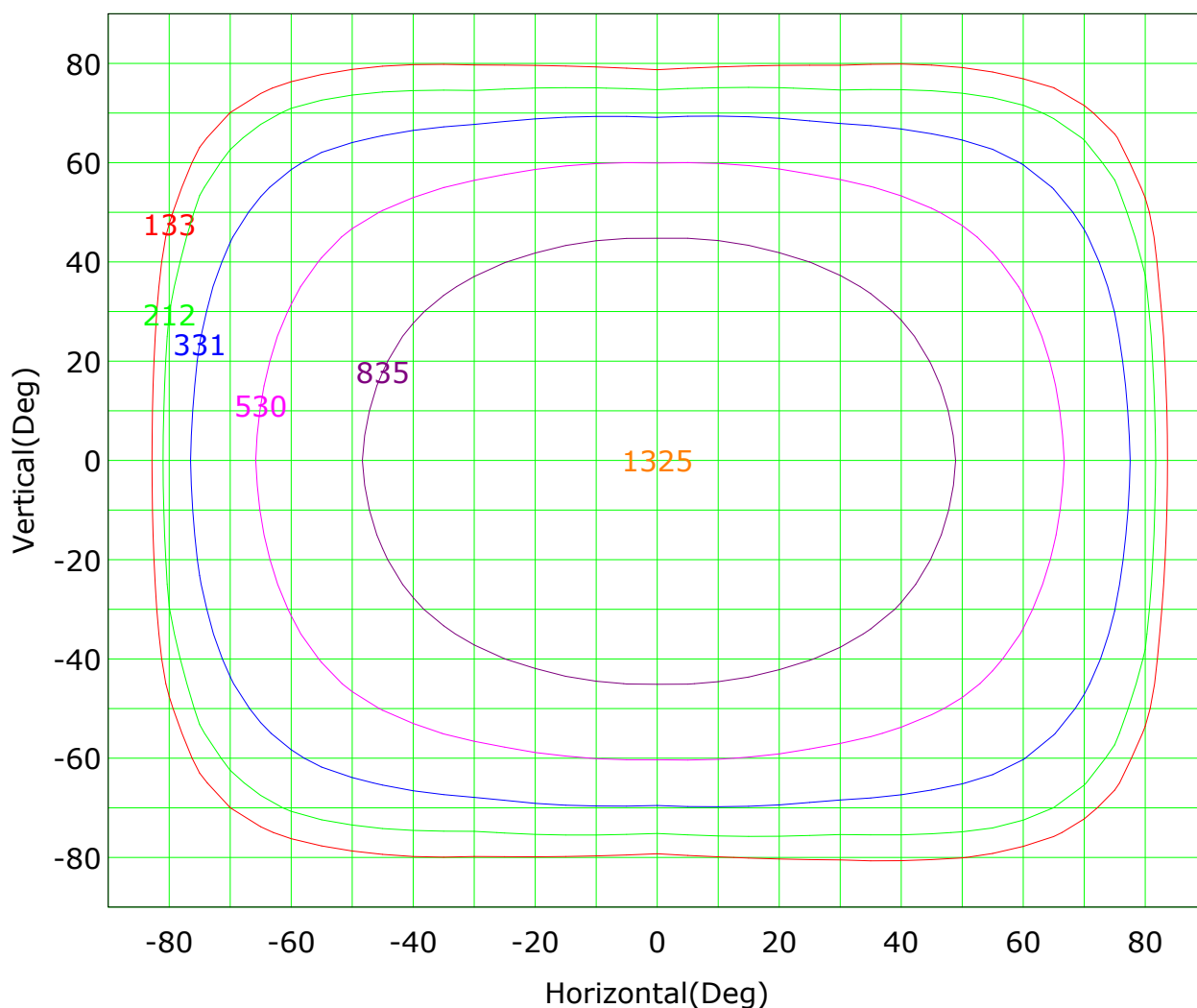
Spacing Criteria (0-180): 1.26
Spacing Criteria (90-270): 1.22
Spacing Criteria (Diagonal): 1.36



C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.011 m
Humidity:
Inspector:

Isocandela (rectangle)



Imax (100%): 1325 cd

(10%): 133 cd	(16%): 212 cd
(25%): 331 cd	(40%): 530 cd
(63%): 835 cd	(100%): 1325 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

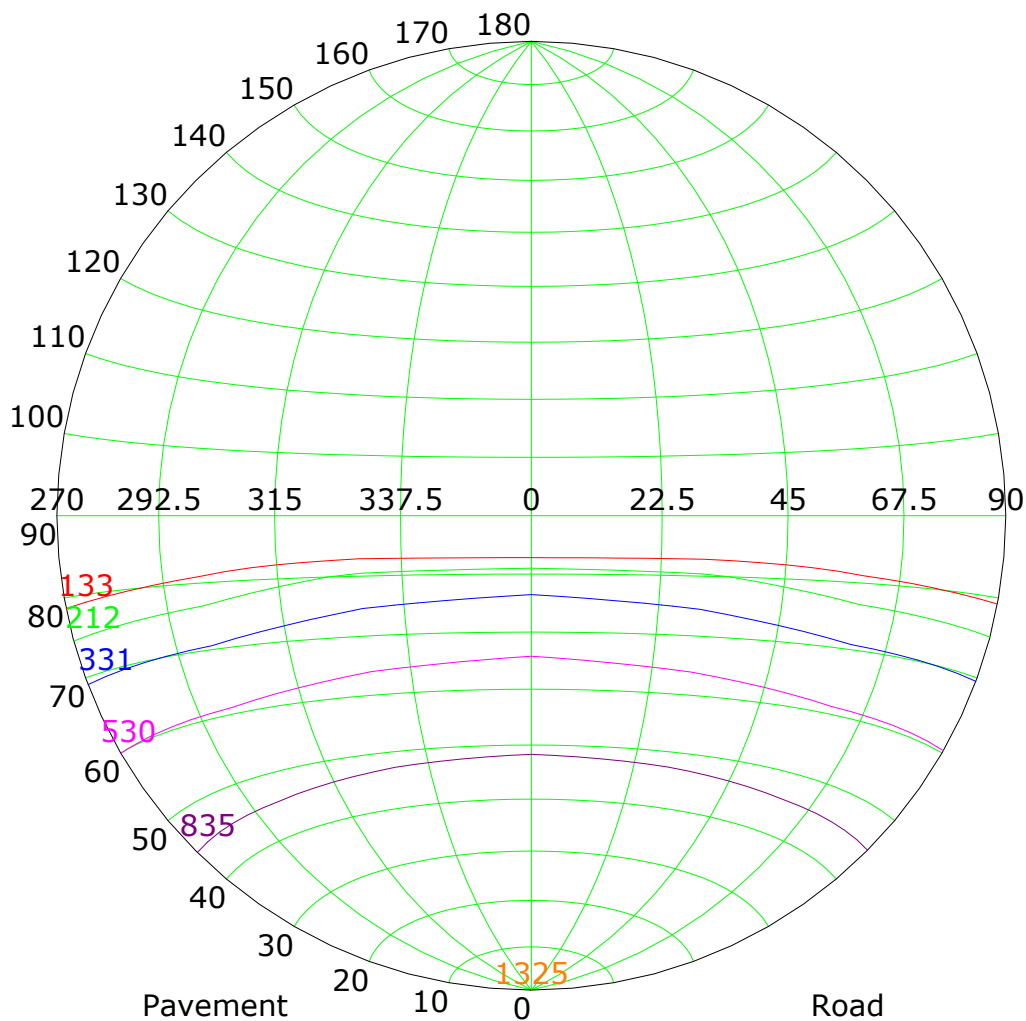
Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 1325 cd

(10%): 133 cd	(16%): 212 cd
(25%): 331 cd	(40%): 530 cd
(63%): 835 cd	(100%): 1325 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

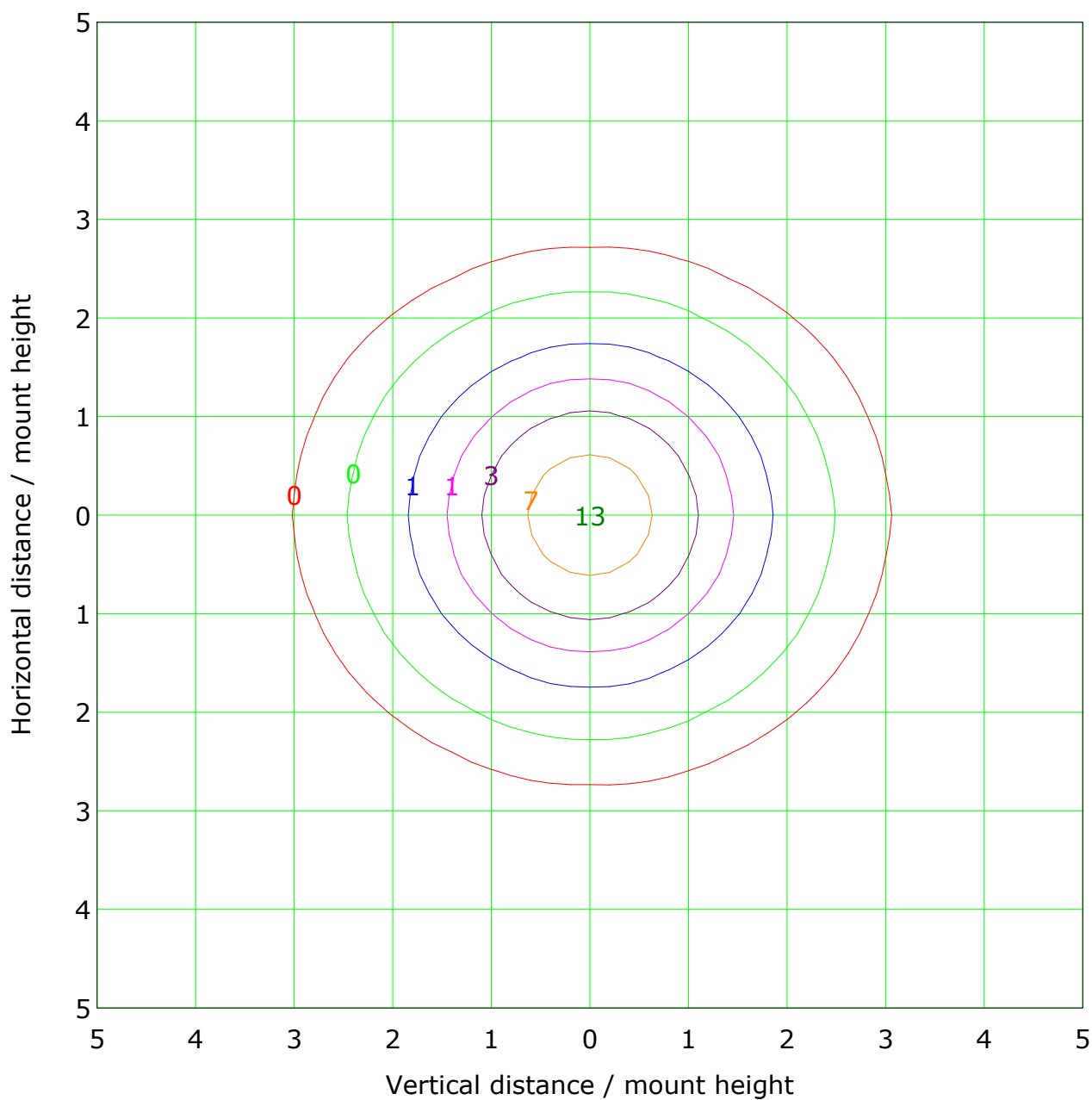
Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 13.3 lx

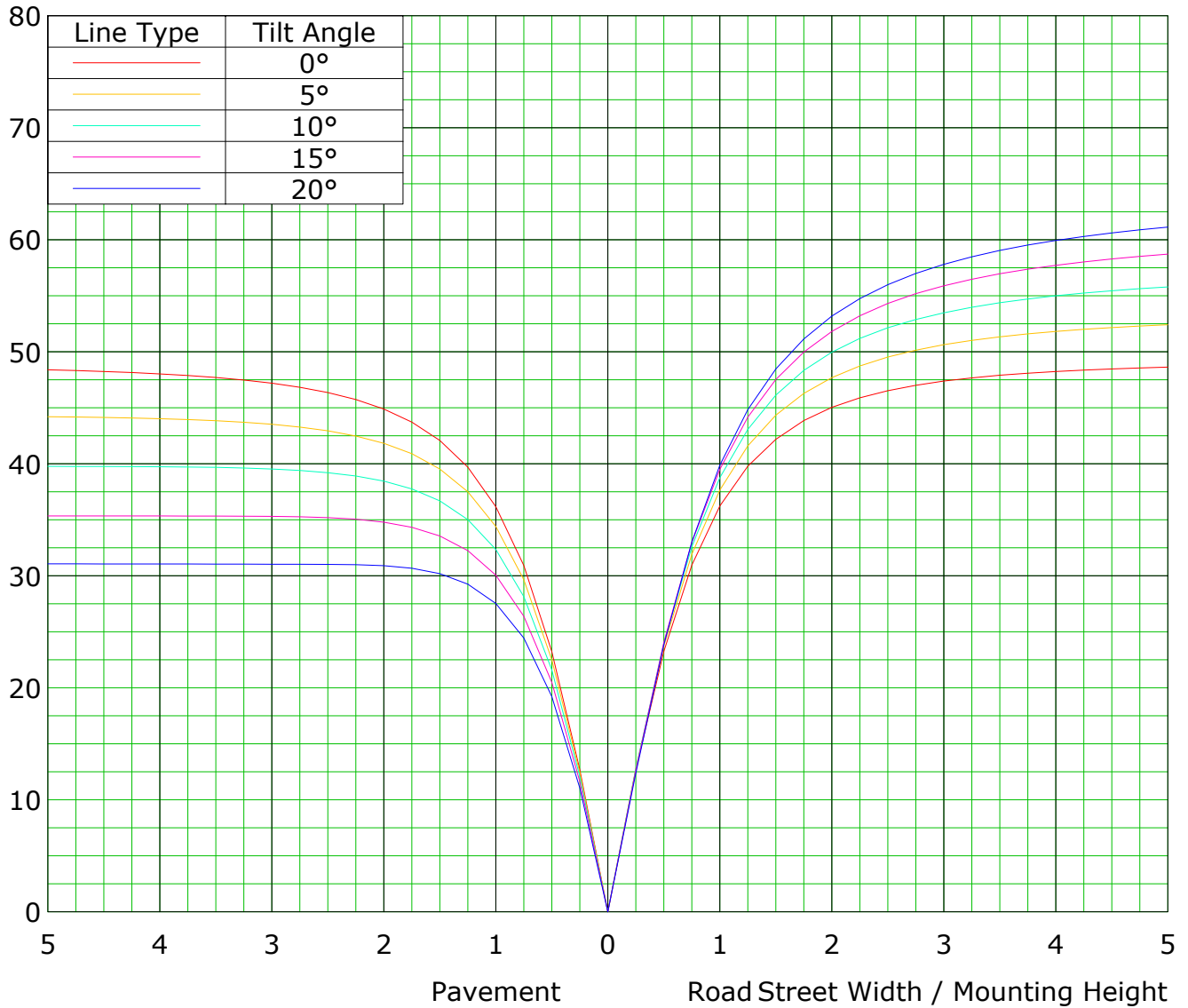
(1%): 0.1 lx	(2%): 0.3 lx
(5%): 0.7 lx	(10%): 1.3 lx
(20%): 2.7 lx	(50%): 6.6 lx
(100%): 13.3 lx	

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.011 m
Humidity:
Inspector:

Roadway CU Curve

Efficiency(%)



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

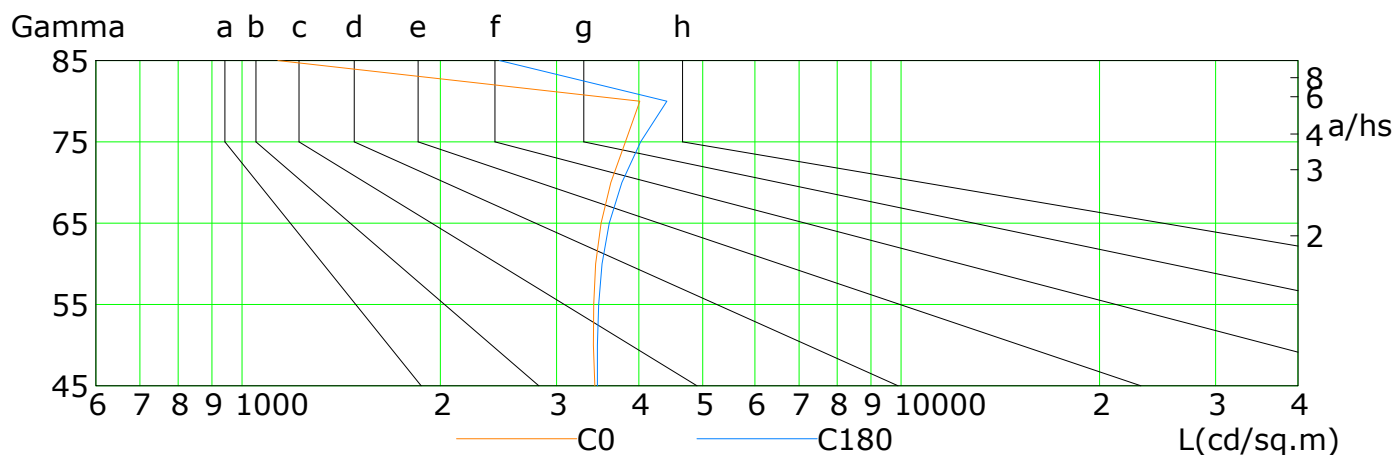
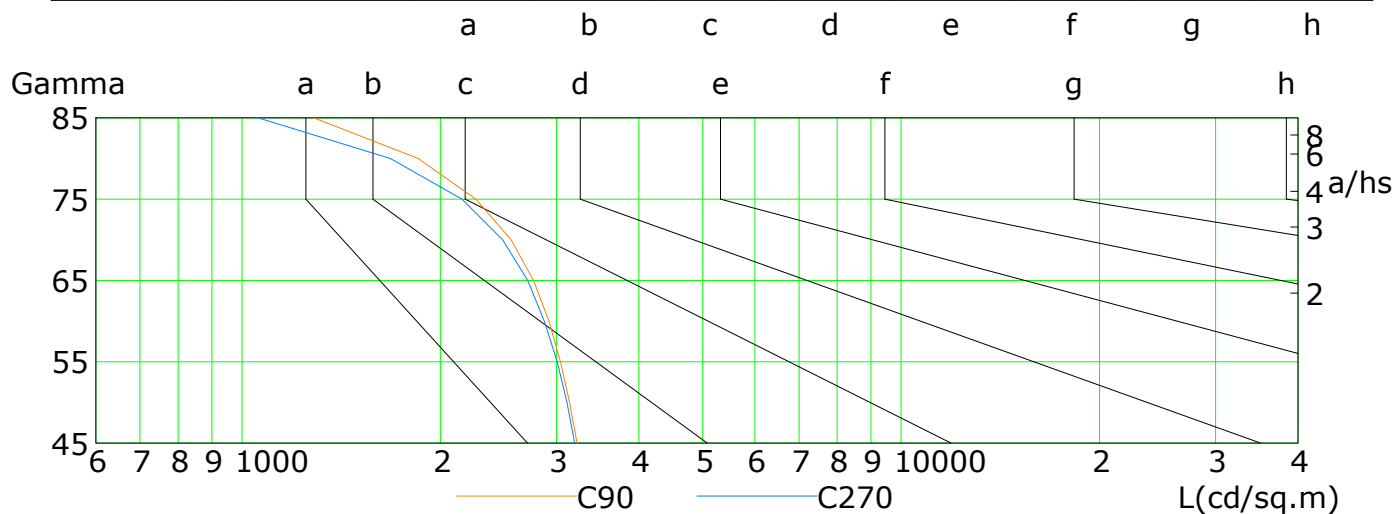
Distance: 9.011 m

Humidity:

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	3430	3413	3417	3439	3505	3626	3817	4013	1133
C90	3223	3139	3041	2921	2768	2561	2264	1851	1285
C180	3461	3461	3476	3517	3607	3770	4025	4412	2459
C270	3196	3112	3008	2875	2713	2485	2156	1679	1058

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

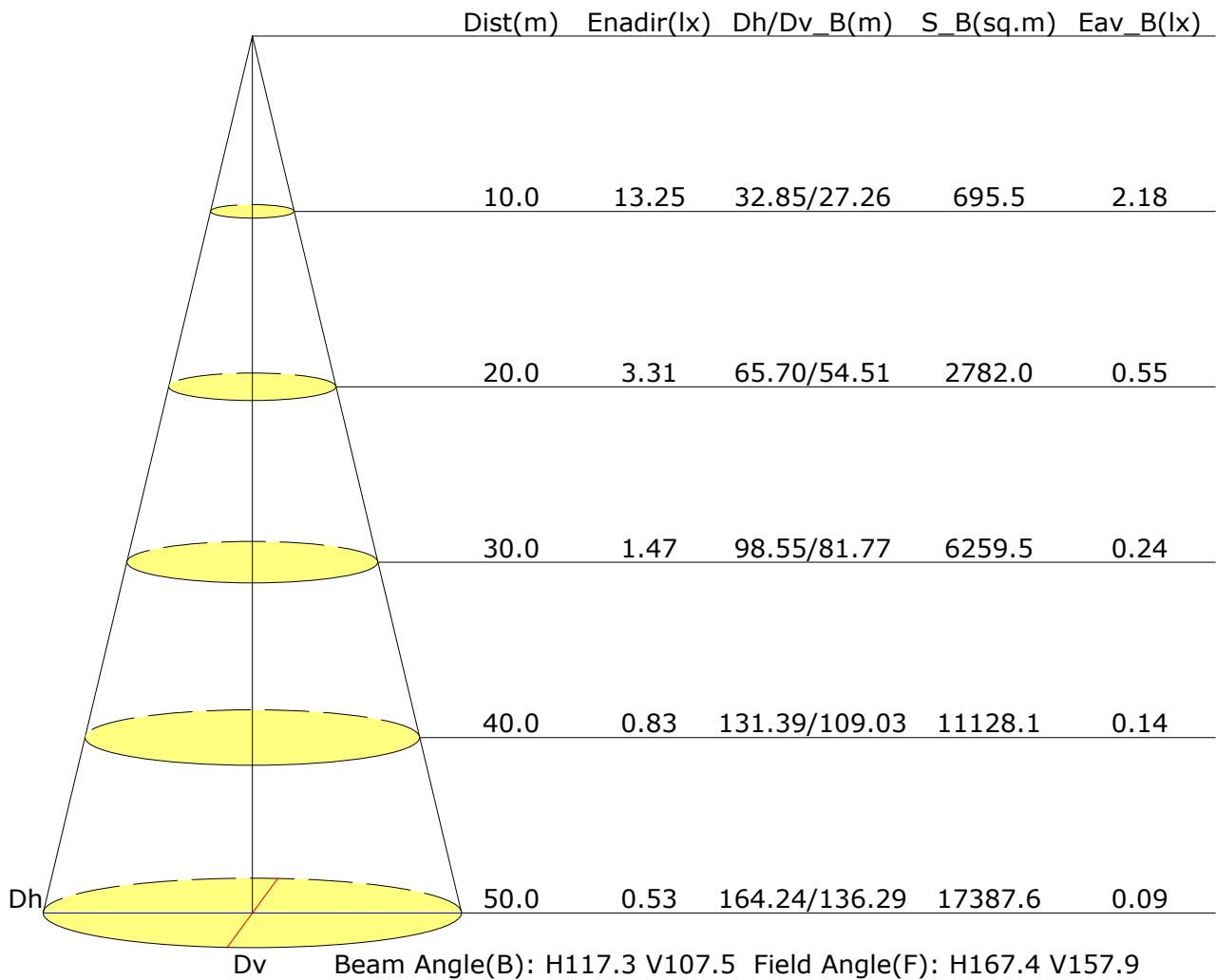
Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

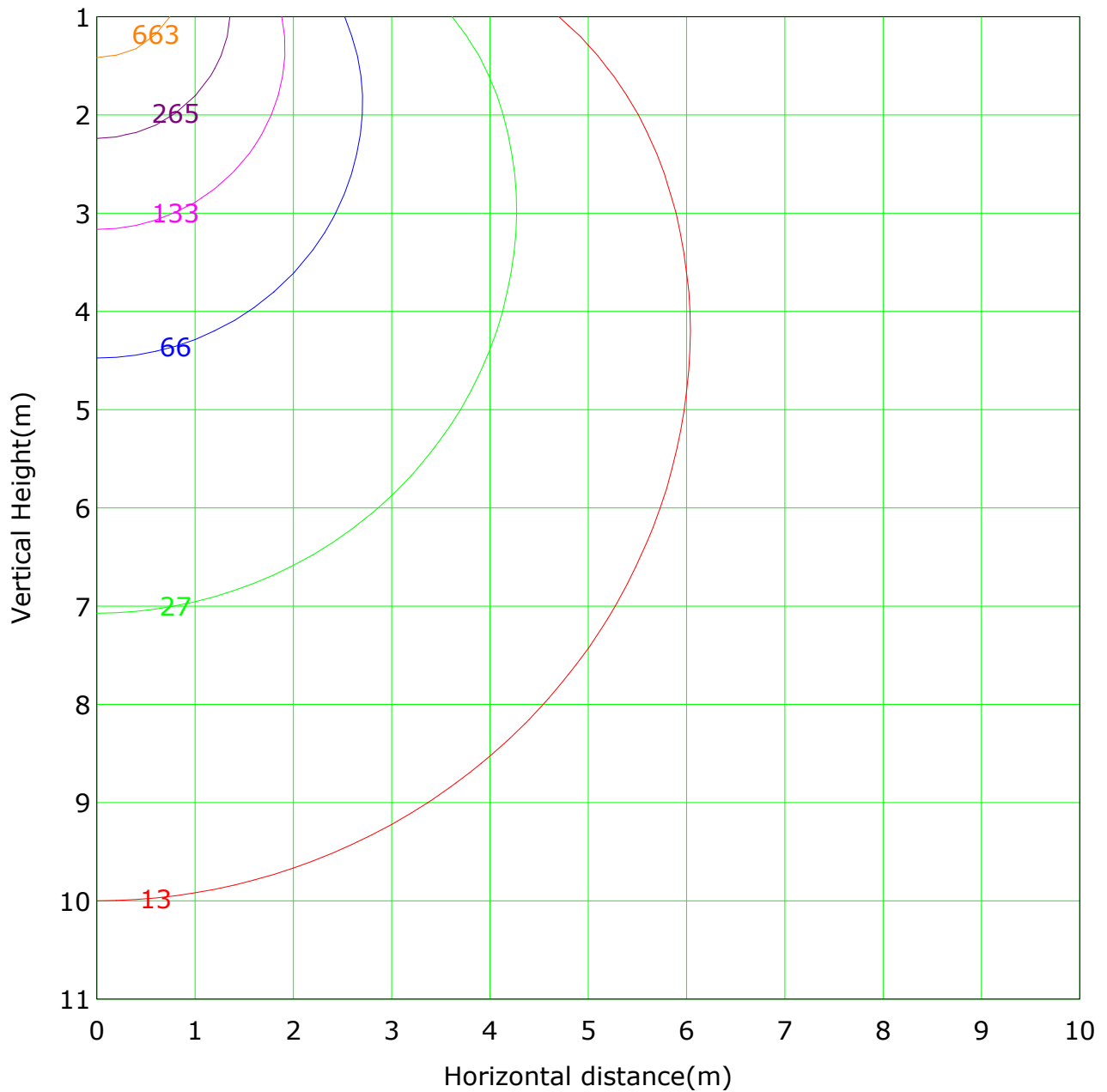
Illuminance at a Distance



C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature: 25
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 9.011 m
 Humidity:
 Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1325.4 lx

— (1%): 13.3 lx	— (2%): 26.5 lx
— (5%): 66.3 lx	— (10%): 132.5 lx
— (20%): 265.1 lx	— (50%): 662.7 lx
— (100%): 1325.4 lx	

C Plane (°): 0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 9.011 m
Humidity:
Inspector:

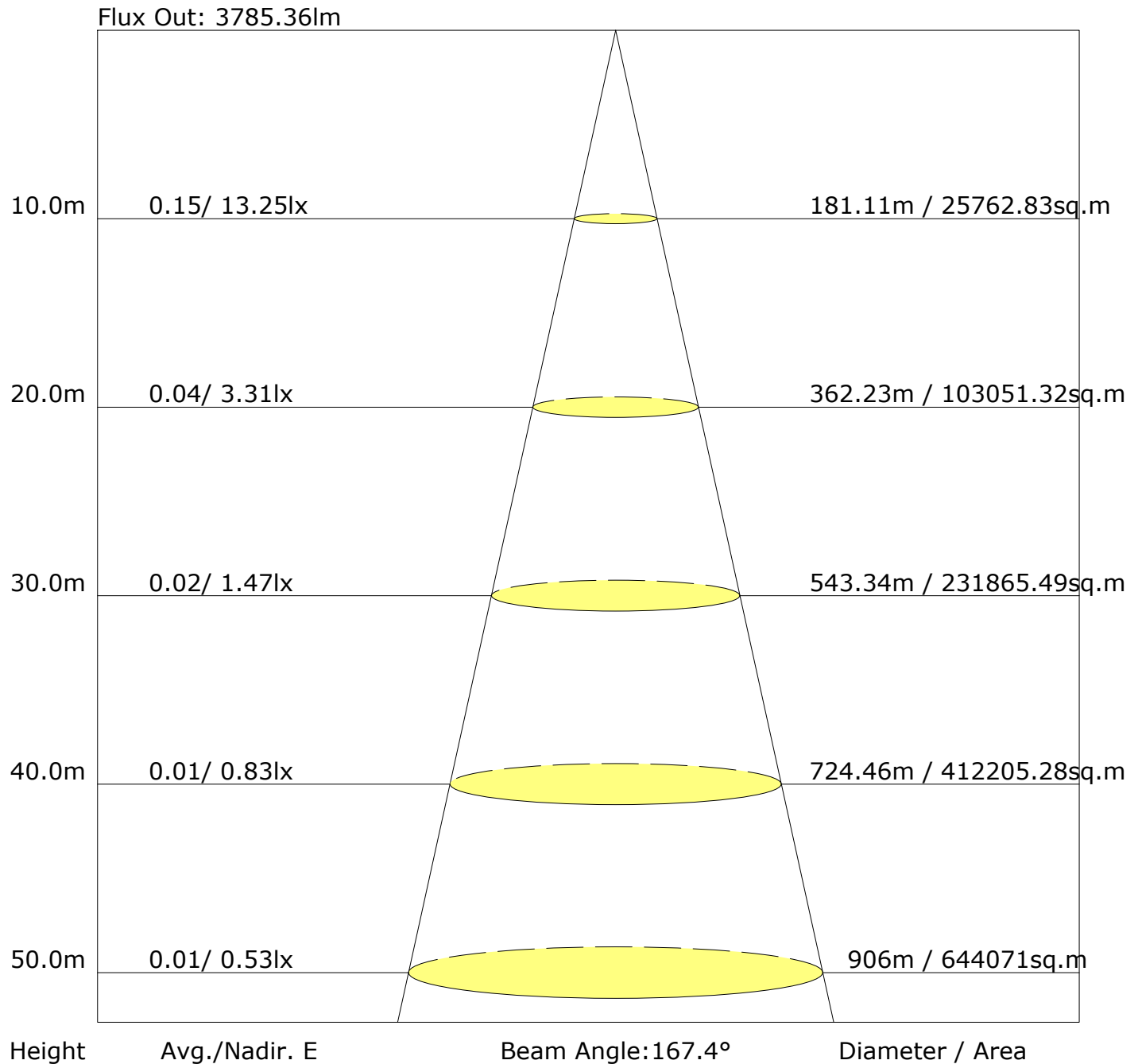
Area Flux Table

Unit: lm

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.011 m
Humidity:
Inspector:

The Average Illuminance Effective Figure



C Plane (°): 0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 9.011 m
Humidity:
Inspector:

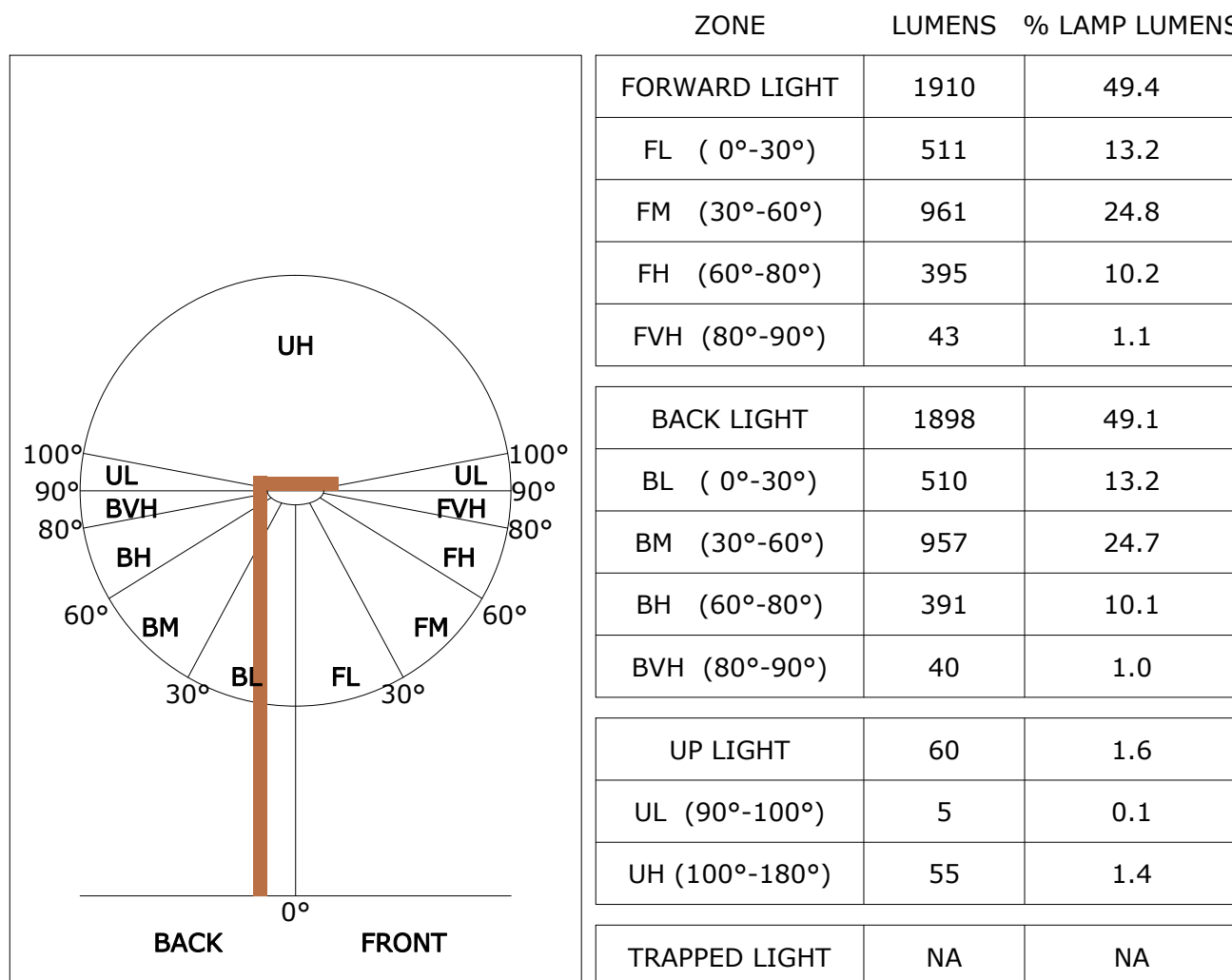
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	16.9	18.3	17.2	18.5	18.8	16.2	17.6	16.5	17.9	18.1
3H	18.8	20.1	19.2	20.4	20.7	17.7	18.9	18.0	19.2	19.5
4H	19.8	21.0	20.1	21.3	21.6	18.2	19.4	18.6	19.7	20.1
6H	20.6	21.7	21.0	22.1	22.4	18.6	19.7	19.0	20.0	20.4
8H	20.9	22.0	21.3	22.3	22.7	18.6	19.7	19.0	20.1	20.4
12H	21.0	22.0	21.4	22.4	22.7	18.7	19.7	19.1	20.1	20.4
X=4H Y=2H	17.5	18.7	17.9	19.0	19.4	17.0	18.2	17.4	18.5	18.8
3H	19.7	20.7	20.1	21.1	21.4	18.6	19.7	19.1	20.0	20.4
4H	20.8	21.7	21.2	22.1	22.5	19.3	20.2	19.7	20.6	21.0
6H	21.8	22.6	22.2	23.0	23.4	19.8	20.6	20.2	21.0	21.5
8H	22.1	22.9	22.6	23.3	23.8	19.9	20.7	20.4	21.1	21.6
12H	22.3	22.9	22.7	23.4	23.9	20.0	20.7	20.5	21.1	21.6
X=8H Y=4H	21.1	21.8	21.5	22.2	22.7	19.8	20.5	20.2	21.0	21.4
6H	22.3	22.9	22.8	23.3	23.8	20.4	21.0	20.9	21.5	22.0
8H	22.7	23.3	23.2	23.7	24.3	20.6	21.2	21.1	21.6	22.2
12H	22.9	23.4	23.4	23.9	24.4	20.8	21.2	21.3	21.7	22.3
X=12H Y=4H	21.1	21.7	21.5	22.2	22.7	19.9	20.5	20.3	21.0	21.5
6H	22.3	22.9	22.8	23.3	23.9	20.6	21.1	21.1	21.6	22.1
8H	22.8	23.3	23.3	23.8	24.3	20.8	21.3	21.3	21.8	22.3
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.2/-0.2				
S=1.5H	+0.4/-0.4					+0.4/-0.5				
S=2.0H	+0.5/-0.7					+0.5/-0.9				

Calculate in accordance with CIE Pub.117. The table is revised with 3868lm ($8\log(F/F_0) = 4.7$).

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.011 m
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

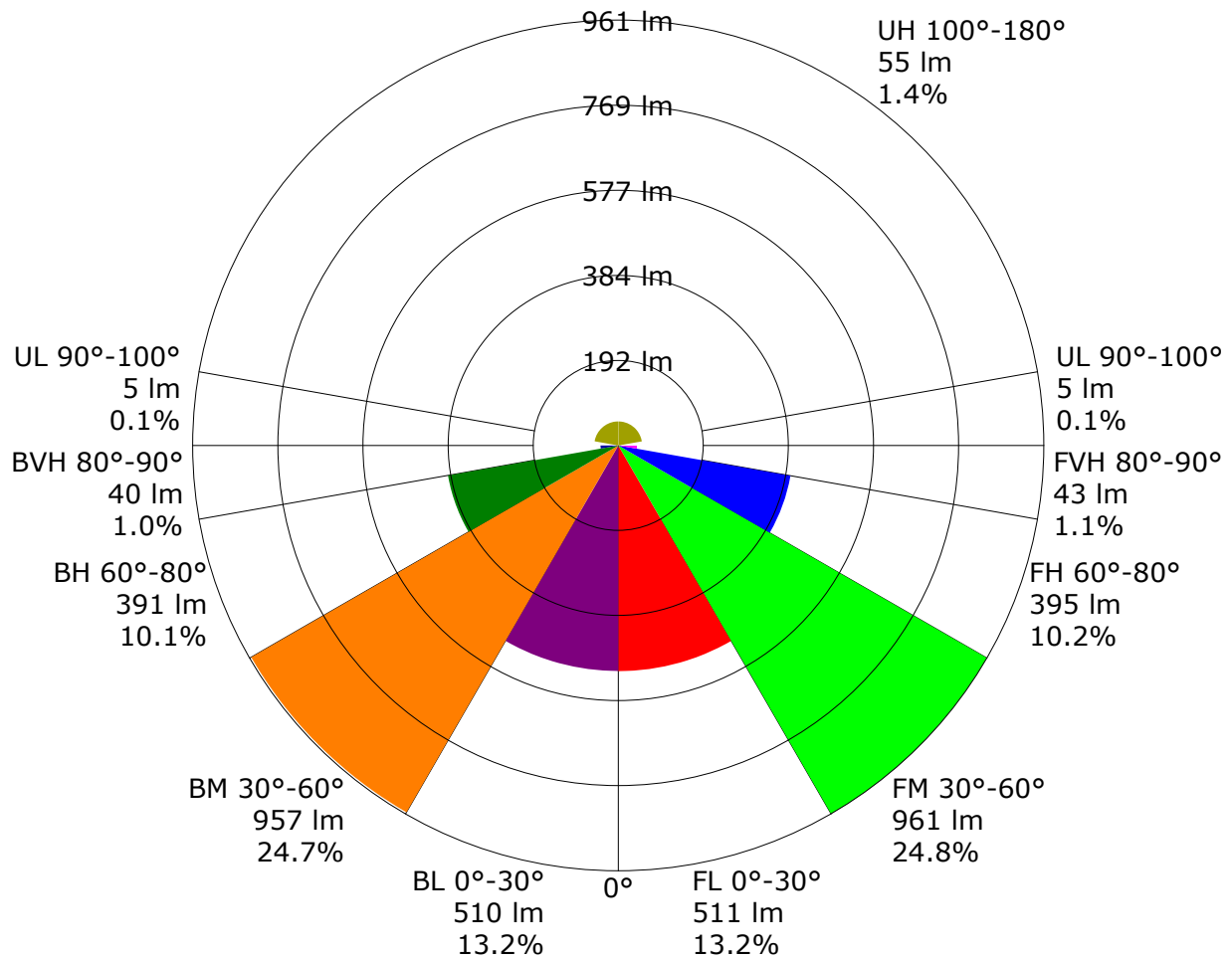


BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B2 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U2 G1

C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.011 m
Humidity:
Inspector:

LCS Graph



Back Light

Scale= 961 lm

Trapped Light:NA,NA

Forward Light

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.55	0.66	0.73	0.78	0.86	0.91	0.94	0.99	1.02	
	0.30		0.47	0.58	0.65	0.71	0.79	0.85	0.89	0.95	0.99	
	0.20		0.42	0.52	0.60	0.66	0.74	0.80	0.85	0.91	0.95	
0.50	0.50	0.20	0.54	0.63	0.70	0.75	0.82	0.87	0.90	0.95	0.98	
	0.30		0.47	0.57	0.64	0.69	0.77	0.82	0.86	0.91	0.95	
	0.20		0.41	0.51	0.59	0.64	0.72	0.78	0.82	0.88	0.92	
0.30	0.50	0.20	0.52	0.61	0.68	0.73	0.79	0.84	0.87	0.91	0.94	
	0.30		0.46	0.55	0.62	0.67	0.75	0.80	0.83	0.88	0.91	
	0.20		0.41	0.51	0.58	0.63	0.71	0.76	0.80	0.85	0.89	
0.00	0.00	0.00	0.39	0.48	0.55	0.60	0.67	0.72	0.76	0.81	0.84	
<p>Rating:28W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	1.01	0.83	0.71	0.62	0.50	0.41	0.35	0.27	0.22	
	0.30		0.84	0.71	0.62	0.55	0.45	0.38	0.33	0.26	0.21	
	0.20		0.72	0.62	0.55	0.49	0.41	0.35	0.31	0.24	0.20	
0.50	0.50	0.20	0.97	0.80	0.68	0.59	0.47	0.43	0.34	0.26	0.21	
	0.30		0.82	0.69	0.60	0.53	0.43	0.36	0.31	0.25	0.20	
	0.20		0.71	0.61	0.54	0.48	0.40	0.34	0.30	0.23	0.20	
0.30	0.50	0.20	0.94	0.77	0.65	0.57	0.45	0.38	0.32	0.25	0.20	
	0.30		0.80	0.67	0.58	0.52	0.42	0.35	0.30	0.24	0.20	
	0.20		0.70	0.60	0.53	0.47	0.39	0.33	0.29	0.23	0.19	
0.00	0.00	0.00	0.60	0.50	0.44	0.39	0.31	0.26	0.23	0.18	0.15	
Rating:28W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.18	0.19	0.20	0.21	0.22	0.22	0.22	0.23	0.23	
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21	
	0.20		0.06	0.08	0.09	0.10	0.12	0.14	0.15	0.17	0.18	
0.50	0.50	0.20	0.17	0.18	0.19	0.20	0.21	0.21	0.22	0.22	0.22	
	0.30		0.11	0.12	0.14	0.15	0.16	0.17	0.18	0.19	0.20	
	0.20		0.06	0.08	0.09	0.10	0.12	0.14	0.15	0.16	0.18	
0.30	0.50	0.20	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21	0.21	
	0.30		0.11	0.12	0.13	0.14	0.16	0.17	0.17	0.18	0.19	
	0.20		0.06	0.08	0.09	0.10	0.12	0.13	0.14	0.16	0.17	
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
Rating:28W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

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	1325.3	1.3	1.3	0.03	0.03
1.0-2.0	1324.7	3.8	5.1	0.10	0.13
2.0-3.0	1323.6	6.3	11.4	0.16	0.29
3.0-4.0	1322.0	8.9	20.3	0.23	0.52
4.0-5.0	1319.9	11.4	31.6	0.29	0.82
5.0-6.0	1317.3	13.8	45.5	0.36	1.18
6.0-7.0	1314.0	16.3	61.8	0.42	1.60
7.0-8.0	1310.4	18.8	80.5	0.48	2.08
8.0-9.0	1306.1	21.2	101.7	0.55	2.63
9.0-10.0	1301.5	23.6	125.2	0.61	3.24
10.0-11.0	1296.2	25.9	151.2	0.67	3.91
11.0-12.0	1290.5	28.2	179.4	0.73	4.64
12.0-13.0	1284.5	30.5	209.9	0.79	5.42
13.0-14.0	1277.7	32.7	242.6	0.85	6.27
14.0-15.0	1270.4	34.9	277.4	0.90	7.17
15.0-16.0	1262.7	37.0	314.4	0.96	8.13
16.0-17.0	1254.4	39.1	353.5	1.01	9.14
17.0-18.0	1246.1	41.1	394.6	1.06	10.20
18.0-19.0	1237.0	43.0	437.6	1.11	11.31
19.0-20.0	1227.5	44.9	482.6	1.16	12.48
20.0-21.0	1217.9	46.8	529.4	1.21	13.68
21.0-22.0	1207.4	48.5	577.9	1.25	14.94
22.0-23.0	1196.6	50.2	628.1	1.30	16.24
23.0-24.0	1185.3	51.8	679.9	1.34	17.58
24.0-25.0	1173.7	53.4	733.3	1.38	18.96
25.0-26.0	1162.2	54.9	788.2	1.42	20.37
26.0-27.0	1149.7	56.3	844.4	1.45	21.83
27.0-28.0	1136.9	57.6	902.0	1.49	23.32
28.0-29.0	1124.2	58.8	960.8	1.52	24.84
29.0-30.0	1110.6	60.0	1020.8	1.55	26.39
30.0-31.0	1096.7	61.0	1081.8	1.58	27.97
31.0-32.0	1082.5	62.0	1143.8	1.60	29.57
32.0-33.0	1067.8	62.9	1206.8	1.63	31.20
33.0-34.0	1053.5	63.8	1270.5	1.65	32.84
34.0-35.0	1038.1	64.5	1335.0	1.67	34.51
35.0-36.0	1022.5	65.1	1400.1	1.68	36.19

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

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	1007.0	65.7	1465.8	1.70	37.89
37.0-38.0	990.8	66.1	1531.9	1.71	39.60
38.0-39.0	974.9	66.5	1598.5	1.72	41.32
39.0-40.0	958.2	66.8	1665.3	1.73	43.05
40.0-41.0	941.3	67.0	1732.4	1.73	44.78
41.0-42.0	925.0	67.2	1799.6	1.74	46.52
42.0-43.0	907.7	67.2	1866.8	1.74	48.26
43.0-44.0	890.3	67.2	1934.0	1.74	50.00
44.0-45.0	872.8	67.1	2001.1	1.73	51.73
45.0-46.0	854.9	66.9	2068.0	1.73	53.46
46.0-47.0	837.2	66.6	2134.6	1.72	55.18
47.0-48.0	818.9	66.2	2200.8	1.71	56.89
48.0-49.0	800.5	65.7	2266.5	1.70	58.59
49.0-50.0	782.7	65.3	2331.8	1.69	60.28
50.0-51.0	763.9	64.6	2396.4	1.67	61.95
51.0-52.0	745.1	63.9	2460.4	1.65	63.60
52.0-53.0	726.6	63.2	2523.6	1.63	65.24
53.0-54.0	707.6	62.4	2586.0	1.61	66.85
54.0-55.0	688.8	61.5	2647.5	1.59	68.44
55.0-56.0	669.6	60.5	2708.0	1.56	70.00
56.0-57.0	650.3	59.5	2767.5	1.54	71.54
57.0-58.0	631.6	58.4	2825.9	1.51	73.05
58.0-59.0	611.9	57.2	2883.1	1.48	74.53
59.0-60.0	592.3	56.0	2939.0	1.45	75.98
60.0-61.0	572.7	54.7	2993.7	1.41	77.39
61.0-62.0	553.1	53.3	3047.0	1.38	78.77
62.0-63.0	534.3	52.0	3099.0	1.34	80.11
63.0-64.0	514.7	50.5	3149.5	1.31	81.42
64.0-65.0	495.0	49.0	3198.5	1.27	82.68
65.0-66.0	476.0	47.5	3246.0	1.23	83.91
66.0-67.0	456.3	45.9	3291.9	1.19	85.10
67.0-68.0	436.4	44.2	3336.1	1.14	86.24
68.0-69.0	416.6	42.5	3378.6	1.10	87.34
69.0-70.0	396.7	40.7	3419.4	1.05	88.39
70.0-71.0	377.8	39.0	3458.4	1.01	89.40
71.0-72.0	357.9	37.2	3495.6	0.96	90.36

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

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	338.1	35.4	3531.0	0.91	91.28
73.0-74.0	319.1	33.6	3564.5	0.87	92.15
74.0-75.0	299.3	31.6	3596.2	0.82	92.96
75.0-76.0	279.6	29.7	3625.8	0.77	93.73
76.0-77.0	260.0	27.7	3653.6	0.72	94.45
77.0-78.0	240.6	25.8	3679.3	0.67	95.11
78.0-79.0	222.0	23.9	3703.2	0.62	95.73
79.0-80.0	202.2	21.8	3725.0	0.56	96.29
80.0-81.0	181.5	19.6	3744.6	0.51	96.80
81.0-82.0	159.8	17.3	3761.9	0.45	97.25
82.0-83.0	135.7	14.8	3776.7	0.38	97.63
83.0-84.0	109.4	11.9	3788.6	0.31	97.94
84.0-85.0	79.0	8.6	3797.3	0.22	98.16
85.0-86.0	47.7	5.2	3802.5	0.13	98.30
86.0-87.0	25.1	2.7	3805.2	0.07	98.37
87.0-88.0	13.5	1.5	3806.7	0.04	98.41
88.0-89.0	8.6	0.9	3807.6	0.02	98.43
89.0-90.0	5.8	0.6	3808.3	0.02	98.45
90.0-91.0	4.5	0.5	3808.8	0.01	98.46
91.0-92.0	4.4	0.5	3809.2	0.01	98.47
92.0-93.0	4.6	0.5	3809.7	0.01	98.49
93.0-94.0	4.7	0.5	3810.3	0.01	98.50
94.0-95.0	4.9	0.5	3810.8	0.01	98.51
95.0-96.0	5.1	0.6	3811.4	0.01	98.53
96.0-97.0	5.2	0.6	3811.9	0.01	98.54
97.0-98.0	5.4	0.6	3812.5	0.02	98.56
98.0-99.0	5.6	0.6	3813.1	0.02	98.57
99.0-100.0	5.7	0.6	3813.7	0.02	98.59
100.0-101.0	5.9	0.6	3814.4	0.02	98.60
101.0-102.0	6.0	0.6	3815.0	0.02	98.62
102.0-103.0	6.2	0.7	3815.7	0.02	98.64
103.0-104.0	6.4	0.7	3816.3	0.02	98.66
104.0-105.0	6.5	0.7	3817.0	0.02	98.67
105.0-106.0	6.7	0.7	3817.7	0.02	98.69
106.0-107.0	6.9	0.7	3818.5	0.02	98.71
107.0-108.0	7.0	0.7	3819.2	0.02	98.73

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

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	7.2	0.7	3820.0	0.02	98.75
109.0-110.0	7.4	0.8	3820.7	0.02	98.77
110.0-111.0	7.6	0.8	3821.5	0.02	98.79
111.0-112.0	7.7	0.8	3822.3	0.02	98.81
112.0-113.0	7.9	0.8	3823.1	0.02	98.83
113.0-114.0	8.0	0.8	3823.9	0.02	98.85
114.0-115.0	8.2	0.8	3824.7	0.02	98.87
115.0-116.0	8.4	0.8	3825.5	0.02	98.89
116.0-117.0	8.6	0.8	3826.4	0.02	98.92
117.0-118.0	8.7	0.8	3827.2	0.02	98.94
118.0-119.0	8.9	0.9	3828.1	0.02	98.96
119.0-120.0	9.1	0.9	3829.0	0.02	98.98
120.0-121.0	9.3	0.9	3829.8	0.02	99.00
121.0-122.0	9.4	0.9	3830.7	0.02	99.03
122.0-123.0	9.6	0.9	3831.6	0.02	99.05
123.0-124.0	9.8	0.9	3832.5	0.02	99.07
124.0-125.0	10.0	0.9	3833.4	0.02	99.10
125.0-126.0	10.2	0.9	3834.3	0.02	99.12
126.0-127.0	10.3	0.9	3835.2	0.02	99.14
127.0-128.0	10.5	0.9	3836.1	0.02	99.17
128.0-129.0	10.7	0.9	3837.0	0.02	99.19
129.0-130.0	10.9	0.9	3838.0	0.02	99.21
130.0-131.0	11.1	0.9	3838.9	0.02	99.24
131.0-132.0	11.2	0.9	3839.8	0.02	99.26
132.0-133.0	11.4	0.9	3840.7	0.02	99.29
133.0-134.0	11.6	0.9	3841.7	0.02	99.31
134.0-135.0	11.8	0.9	3842.6	0.02	99.33
135.0-136.0	11.9	0.9	3843.5	0.02	99.36
136.0-137.0	12.1	0.9	3844.4	0.02	99.38
137.0-138.0	12.3	0.9	3845.3	0.02	99.40
138.0-139.0	12.4	0.9	3846.2	0.02	99.43
139.0-140.0	12.6	0.9	3847.1	0.02	99.45
140.0-141.0	12.7	0.9	3848.0	0.02	99.47
141.0-142.0	12.9	0.9	3848.9	0.02	99.50
142.0-143.0	13.0	0.9	3849.8	0.02	99.52
143.0-144.0	13.2	0.9	3850.6	0.02	99.54

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

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	13.3	0.8	3851.5	0.02	99.56
145.0-146.0	13.5	0.8	3852.3	0.02	99.59
146.0-147.0	13.6	0.8	3853.1	0.02	99.61
147.0-148.0	13.8	0.8	3853.9	0.02	99.63
148.0-149.0	13.9	0.8	3854.7	0.02	99.65
149.0-150.0	14.1	0.8	3855.5	0.02	99.67
150.0-151.0	14.2	0.8	3856.3	0.02	99.69
151.0-152.0	14.3	0.8	3857.0	0.02	99.71
152.0-153.0	14.5	0.7	3857.8	0.02	99.73
153.0-154.0	14.6	0.7	3858.5	0.02	99.75
154.0-155.0	14.7	0.7	3859.2	0.02	99.76
155.0-156.0	14.8	0.7	3859.9	0.02	99.78
156.0-157.0	15.0	0.7	3860.5	0.02	99.80
157.0-158.0	15.1	0.6	3861.1	0.02	99.81
158.0-159.0	15.2	0.6	3861.8	0.02	99.83
159.0-160.0	15.3	0.6	3862.3	0.02	99.84
160.0-161.0	15.4	0.6	3862.9	0.01	99.86
161.0-162.0	15.5	0.5	3863.4	0.01	99.87
162.0-163.0	15.6	0.5	3864.0	0.01	99.89
163.0-164.0	15.6	0.5	3864.4	0.01	99.90
164.0-165.0	15.7	0.5	3864.9	0.01	99.91
165.0-166.0	15.8	0.4	3865.3	0.01	99.92
166.0-167.0	15.9	0.4	3865.7	0.01	99.93
167.0-168.0	16.0	0.4	3866.1	0.01	99.94
168.0-169.0	16.0	0.4	3866.5	0.01	99.95
169.0-170.0	16.1	0.3	3866.8	0.01	99.96
170.0-171.0	16.1	0.3	3867.1	0.01	99.97
171.0-172.0	16.2	0.3	3867.3	0.01	99.97
172.0-173.0	16.2	0.2	3867.6	0.01	99.98
173.0-174.0	16.3	0.2	3867.8	0.01	99.99
174.0-175.0	16.3	0.2	3868.0	0.00	99.99
175.0-176.0	16.4	0.1	3868.1	0.00	99.99
176.0-177.0	16.4	0.1	3868.2	0.00	100.00
177.0-178.0	16.5	0.1	3868.3	0.00	100.00
178.0-179.0	16.5	0.0	3868.3	0.00	100.00
179.0-180.0	16.5	0.0	3868.3	0.00	100.00

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 2001.12 lm

%lum = 51.7%

%lamp = 51.7%

cone flux(120°): 2939.05 lm

%lum = 76.0%

%lamp = 76.0%

Candlepower Table

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G0.0	1325.4	1325.4	1325.4	1325.4	1325.4	1325.4	1325.4	1325.4	1325.4	1325.4
G1.0	1325.2	1325.3	1325.0	1325.3	1325.1	1325.1	1325.3	1325.2	1325.0	1325.1
G2.0	1324.3	1324.5	1324.4	1324.4	1324.5	1324.5	1324.5	1324.4	1324.2	1324.3
G3.0	1323.1	1323.0	1322.9	1322.8	1322.9	1323.4	1323.4	1323.2	1322.7	1322.6
G4.0	1321.4	1321.2	1320.9	1320.5	1321.0	1321.6	1321.8	1321.3	1320.8	1320.6
G5.0	1319.0	1319.0	1318.5	1318.4	1318.8	1319.5	1319.8	1319.2	1318.3	1318.1
G6.0	1316.1	1315.9	1315.4	1315.2	1315.7	1316.8	1317.1	1316.4	1315.2	1314.8
G7.0	1313.1	1312.6	1311.8	1311.6	1312.2	1313.4	1313.9	1313.0	1311.8	1311.2
G8.0	1309.3	1309.0	1307.9	1307.4	1308.4	1309.9	1310.1	1309.1	1307.4	1306.7
G9.0	1305.0	1304.2	1303.0	1302.5	1303.4	1305.4	1306.3	1305.0	1302.9	1302.0
G10.0	1300.6	1299.7	1298.0	1297.6	1298.4	1301.0	1302.1	1300.3	1297.9	1297.0
G11.0	1295.0	1294.1	1292.2	1291.4	1292.7	1295.5	1296.5	1294.9	1292.0	1290.7
G12.0	1289.6	1288.5	1286.2	1285.3	1286.7	1290.0	1291.6	1289.5	1286.0	1284.5
G13.0	1283.7	1282.2	1279.9	1278.8	1280.3	1284.2	1285.6	1283.3	1279.4	1277.7
G14.0	1276.9	1275.1	1271.9	1270.7	1272.7	1276.9	1279.0	1276.4	1271.9	1269.9
G15.0	1270.1	1268.3	1264.8	1263.4	1265.5	1270.3	1272.7	1269.3	1264.3	1262.3
G16.0	1262.3	1260.0	1255.8	1254.1	1256.8	1261.9	1265.2	1261.4	1255.7	1253.2
G17.0	1254.6	1252.3	1247.7	1245.7	1248.7	1254.3	1257.5	1253.8	1247.4	1244.5
G18.0	1246.7	1243.8	1238.7	1236.5	1239.9	1246.0	1249.9	1245.3	1238.4	1235.2
G19.0	1237.7	1234.4	1228.7	1226.2	1229.9	1236.9	1240.6	1236.0	1228.4	1225.0
G20.0	1228.5	1225.0	1219.3	1216.1	1220.5	1228.1	1232.1	1227.2	1218.9	1215.0
G21.0	1219.6	1215.7	1208.8	1205.8	1210.1	1218.5	1223.1	1217.6	1208.5	1204.8
G22.0	1208.8	1205.0	1197.3	1194.1	1198.8	1208.1	1213.0	1207.0	1197.2	1192.5
G23.0	1199.0	1194.5	1186.6	1183.1	1188.2	1198.3	1203.2	1197.0	1185.9	1181.3
G24.0	1188.0	1182.9	1174.0	1170.1	1175.5	1186.5	1192.2	1185.1	1173.5	1168.3
G25.0	1177.0	1172.1	1162.5	1158.3	1164.2	1175.8	1181.7	1174.5	1161.9	1156.3
G26.0	1166.0	1160.4	1149.9	1145.4	1151.8	1164.3	1171.1	1163.2	1150.0	1143.9
G27.0	1153.9	1147.9	1136.6	1131.7	1138.4	1151.9	1158.7	1150.1	1136.1	1129.5
G28.0	1141.7	1135.3	1123.2	1118.0	1125.9	1139.6	1147.4	1138.3	1123.4	1116.4
G29.0	1129.7	1123.1	1110.3	1104.8	1112.4	1127.5	1135.8	1125.8	1109.8	1102.3
G30.0	1116.0	1108.7	1095.8	1089.7	1097.9	1113.9	1122.1	1112.0	1095.0	1087.1
G31.0	1103.5	1095.8	1081.5	1075.1	1083.6	1100.8	1109.7	1099.5	1080.8	1073.1
G32.0	1088.9	1081.3	1066.2	1059.5	1068.5	1086.5	1096.1	1084.5	1065.4	1057.2
G33.0	1075.9	1067.3	1051.3	1044.3	1054.4	1073.1	1082.6	1071.0	1050.3	1041.7
G34.0	1062.6	1053.4	1036.7	1029.4	1039.3	1058.9	1068.9	1056.7	1035.7	1025.9
G35.0	1046.9	1037.2	1019.7	1012.0	1023.1	1043.1	1054.3	1040.7	1018.5	1009.0
G36.0	1033.1	1022.9	1004.7	996.6	1007.5	1029.0	1040.0	1026.6	1003.3	992.6

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G37.0	1018.4	1007.7	988.5	980.1	991.4	1014.8	1024.7	1010.1	985.7	975.3
G38.0	1002.7	991.4	971.3	962.4	974.5	998.0	1010.0	995.2	969.9	958.2
G39.0	987.5	975.7	954.6	945.5	957.9	983.2	995.7	980.2	953.9	941.7
G40.0	970.6	959.1	936.9	927.4	940.3	965.9	979.3	962.9	935.4	922.5
G41.0	955.5	942.7	919.6	909.7	923.2	949.9	964.5	947.4	918.8	905.5
G42.0	940.5	927.0	903.0	892.9	906.7	934.4	949.4	931.1	901.1	888.4
G43.0	923.1	908.8	884.5	873.3	888.5	917.5	932.3	913.9	882.8	868.6
G44.0	907.6	892.8	866.7	855.9	870.9	900.8	917.1	897.8	865.6	850.9
G45.0	891.5	875.9	848.6	837.6	853.1	884.1	899.5	879.3	845.8	830.6
G46.0	873.4	858.0	829.7	818.2	834.0	866.3	883.9	863.1	828.3	812.6
G47.0	857.5	840.6	811.8	799.3	815.7	849.3	867.6	845.9	809.7	793.5
G48.0	839.2	822.5	791.5	779.5	796.4	831.2	850.3	827.7	790.2	773.3
G49.0	823.3	805.0	773.6	760.3	778.6	813.9	834.4	810.3	771.3	754.8
G50.0	806.4	788.0	754.8	741.6	759.7	797.2	817.7	793.5	753.1	735.2
G51.0	788.7	768.6	733.8	720.5	739.7	778.0	800.1	774.1	732.0	714.5
G52.0	771.7	751.5	715.4	701.7	720.6	761.2	783.4	757.1	713.5	694.6
G53.0	755.3	733.5	696.0	681.9	701.5	743.5	765.7	738.3	693.1	673.6
G54.0	736.7	714.9	675.6	661.2	681.2	725.0	748.9	720.4	673.3	653.3
G55.0	720.4	696.7	655.9	641.1	661.6	707.0	732.7	703.2	653.6	634.1
G56.0	702.5	677.6	635.3	619.0	641.2	688.3	714.2	683.5	632.9	611.7
G57.0	685.4	659.5	615.5	599.6	621.5	670.2	698.1	666.1	613.8	592.0
G58.0	668.1	641.1	595.4	579.0	601.8	652.3	681.1	647.9	593.6	571.1
G59.0	649.3	621.2	573.5	556.6	580.0	632.7	663.4	629.0	572.5	549.4
G60.0	632.1	603.8	554.2	536.8	560.8	615.4	646.4	610.8	552.2	528.4
G61.0	614.0	583.7	532.1	513.9	539.0	595.7	628.5	591.7	530.9	506.4
G62.0	596.8	566.3	512.8	493.2	519.9	578.6	611.3	574.2	510.5	486.2
G63.0	580.2	547.9	492.4	473.4	499.7	560.5	594.9	555.8	491.0	464.9
G64.0	561.1	528.5	471.1	451.2	478.6	541.4	577.1	536.6	469.6	442.8
G65.0	544.5	510.0	450.7	430.0	458.4	523.2	560.2	518.3	449.2	421.5
G66.0	527.2	492.5	431.3	408.9	439.1	505.8	544.1	500.5	429.6	400.9
G67.0	509.2	471.8	408.8	386.5	416.9	485.9	526.3	480.5	407.4	378.5
G68.0	491.9	453.4	389.3	365.2	397.5	468.7	509.2	463.0	388.0	356.8
G69.0	473.5	434.1	367.0	343.1	375.6	449.0	491.1	442.8	365.5	333.9
G70.0	455.9	415.6	346.7	321.9	356.2	430.8	473.9	425.5	346.1	312.4
G71.0	438.2	398.0	327.3	300.7	336.3	413.6	457.0	408.1	325.7	291.6
G72.0	419.1	377.8	305.2	278.6	314.6	393.8	438.4	387.9	304.5	268.1
G73.0	401.0	360.0	286.0	257.6	295.6	376.2	420.3	369.4	284.4	247.9

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G74.0	383.3	341.4	266.4	237.9	275.9	358.0	402.1	351.6	265.3	226.9
G75.0	363.1	321.7	245.7	215.4	255.5	338.6	382.8	331.1	243.4	205.1
G76.0	345.1	302.8	226.4	196.2	236.2	319.9	364.2	312.9	224.8	184.9
G77.0	324.5	282.2	206.7	174.5	216.7	300.4	344.7	293.0	203.8	163.9
G78.0	305.7	263.9	188.2	156.0	198.3	281.7	325.2	273.7	186.0	144.6
G79.0	283.8	244.6	171.1	137.2	181.1	262.6	306.1	254.4	168.0	126.7
G80.0	256.1	223.7	151.8	118.1	162.0	242.4	281.6	233.3	149.2	107.2
G81.0	226.4	199.9	134.6	100.9	145.5	221.9	256.4	211.0	131.6	90.3
G82.0	191.5	174.4	118.9	84.4	128.5	199.0	222.4	183.8	113.4	73.8
G83.0	147.2	141.6	100.8	68.5	110.3	169.0	186.1	153.8	96.3	59.2
G84.0	95.4	107.6	84.3	54.9	94.2	137.6	139.5	120.3	79.5	46.6
G85.0	36.3	61.6	64.6	41.2	75.4	94.0	78.8	75.3	59.6	33.9
G86.0	6.0	20.8	46.5	30.7	57.4	50.1	24.2	32.7	40.1	24.2
G87.0	5.1	9.4	27.2	20.9	37.6	12.6	6.2	10.4	23.1	16.5
G88.0	4.7	7.3	12.8	14.2	18.0	7.9	5.6	8.6	12.1	11.8
G89.0	4.4	5.4	8.4	9.2	10.2	6.1	5.3	6.8	8.0	6.5
G90.0	4.2	4.1	3.9	4.1	5.9	4.5	5.0	5.1	4.5	4.1
G91.0	4.4	4.1	3.8	3.5	3.8	4.2	5.0	4.9	4.7	4.2
G92.0	4.6	4.3	4.0	3.7	3.9	4.3	5.1	5.1	4.8	4.4
G93.0	4.7	4.5	4.2	3.8	4.1	4.5	5.3	5.2	4.9	4.6
G94.0	4.9	4.6	4.3	4.0	4.3	4.6	5.4	5.4	5.1	4.7
G95.0	5.0	4.8	4.6	4.2	4.5	4.8	5.6	5.5	5.2	4.9
G96.0	5.2	5.0	4.8	4.4	4.6	5.0	5.7	5.6	5.4	5.0
G97.0	5.3	5.1	4.8	4.5	4.8	5.2	5.9	5.8	5.5	5.1
G98.0	5.5	5.3	5.0	4.7	4.9	5.3	6.0	6.0	5.7	5.3
G99.0	5.7	5.4	5.3	4.9	5.1	5.5	6.2	6.1	6.0	5.5
G100.0	5.9	5.5	5.4	5.0	5.2	5.6	6.4	6.3	6.0	5.7
G101.0	6.0	5.7	5.6	5.2	5.4	5.8	6.5	6.5	6.2	5.9
G102.0	6.1	5.9	5.7	5.3	5.6	5.9	6.7	6.6	6.4	6.0
G103.0	6.3	6.1	5.9	5.5	5.8	6.1	6.8	6.7	6.5	6.2
G104.0	6.4	6.2	6.1	5.7	5.9	6.3	7.0	7.0	6.7	6.3
G105.0	6.6	6.4	6.2	5.9	6.1	6.4	7.2	7.0	6.8	6.5
G106.0	6.7	6.6	6.4	6.0	6.2	6.7	7.3	7.3	7.0	6.6
G107.0	6.9	6.7	6.5	6.2	6.5	6.8	7.5	7.3	7.3	6.8
G108.0	7.2	6.8	6.7	6.4	6.6	7.0	7.7	7.5	7.4	7.0
G109.0	7.4	7.1	7.0	6.6	6.8	7.1	7.8	7.8	7.5	7.2
G110.0	7.5	7.2	7.2	6.7	7.0	7.4	8.0	7.9	7.8	7.4

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G111.0	7.7	7.4	7.4	6.9	7.2	7.5	8.1	8.1	7.9	7.5
G112.0	7.8	7.6	7.5	7.1	7.4	7.6	8.3	8.2	8.1	7.7
G113.0	7.9	7.7	7.7	7.3	7.6	7.8	8.5	8.4	8.2	7.8
G114.0	8.1	7.9	7.8	7.5	7.7	8.0	8.7	8.5	8.4	8.1
G115.0	8.3	8.0	7.9	7.6	7.9	8.2	8.8	8.8	8.6	8.1
G116.0	8.4	8.2	8.0	7.7	8.1	8.4	9.0	8.9	8.8	8.3
G117.0	8.7	8.4	8.2	8.0	8.3	8.5	9.2	9.1	8.9	8.6
G118.0	8.8	8.7	8.4	8.1	8.5	8.7	9.4	9.3	9.1	8.7
G119.0	9.0	8.8	8.6	8.3	8.7	8.8	9.5	9.5	9.3	8.9
G120.0	9.2	9.0	8.8	8.5	8.8	9.1	9.7	9.6	9.4	9.1
G121.0	9.4	9.1	8.9	8.7	9.0	9.3	9.9	9.8	9.5	9.2
G122.0	9.6	9.3	9.1	8.9	9.1	9.5	10.0	10.0	9.8	9.4
G123.0	9.8	9.5	9.3	9.0	9.3	9.5	10.2	10.2	10.0	9.6
G124.0	9.9	9.7	9.6	9.3	9.5	9.8	10.4	10.4	10.2	9.7
G125.0	10.2	9.9	9.6	9.3	9.7	10.0	10.6	10.5	10.4	10.0
G126.0	10.4	10.2	9.8	9.6	9.9	10.1	10.8	10.7	10.5	10.1
G127.0	10.6	10.3	10.0	9.7	10.0	10.3	11.0	10.9	10.7	10.3
G128.0	10.8	10.5	10.2	10.0	10.2	10.5	11.1	11.1	10.8	10.4
G129.0	10.9	10.7	10.4	10.1	10.4	10.8	11.3	11.3	11.0	10.6
G130.0	11.1	10.8	10.5	10.3	10.5	11.0	11.5	11.4	11.2	10.8
G131.0	11.3	11.0	10.7	10.4	10.7	11.2	11.8	11.6	11.3	10.9
G132.0	11.4	11.2	10.9	10.6	10.9	11.3	12.0	11.7	11.5	11.1
G133.0	11.7	11.4	11.0	10.8	11.1	11.4	12.1	12.0	11.7	11.3
G134.0	11.9	11.7	11.2	11.0	11.3	11.6	12.3	12.1	11.9	11.5
G135.0	12.0	11.8	11.4	11.1	11.5	11.8	12.5	12.3	12.0	11.7
G136.0	12.2	12.0	11.5	11.3	11.6	11.9	12.7	12.4	12.2	11.9
G137.0	12.4	12.1	11.7	11.5	11.8	12.1	12.8	12.6	12.4	12.0
G138.0	12.5	12.3	11.9	11.7	12.0	12.3	12.8	12.8	12.5	12.2
G139.0	12.7	12.5	12.1	11.8	12.1	12.4	13.0	12.8	12.6	12.3
G140.0	12.8	12.6	12.2	12.0	12.3	12.5	13.2	13.0	12.8	12.5
G141.0	12.8	12.8	12.4	12.1	12.5	12.8	13.3	13.2	12.9	12.7
G142.0	13.2	12.8	12.6	12.3	12.6	12.9	13.5	13.4	13.0	12.8
G143.0	13.3	13.0	12.7	12.6	12.8	13.0	13.6	13.6	13.2	13.0
G144.0	13.4	13.2	12.8	12.7	12.8	13.2	13.7	13.7	13.4	13.1
G145.0	13.6	13.4	13.0	12.8	12.9	13.3	13.9	13.9	13.5	13.3
G146.0	13.7	13.5	13.2	13.0	13.1	13.5	14.0	14.0	13.6	13.4
G147.0	13.8	13.6	13.4	13.2	13.3	13.6	14.2	14.2	13.7	13.6

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G148.0	13.9	13.7	13.5	13.3	13.3	13.7	14.3	14.3	13.9	13.7
G149.0	14.1	13.9	13.6	13.5	13.6	13.9	14.4	14.4	14.0	13.8
G150.0	14.3	14.0	13.9	13.6	13.7	14.0	14.7	14.5	14.1	14.0
G151.0	14.4	14.2	14.0	13.7	13.9	14.1	14.8	14.7	14.3	14.2
G152.0	14.5	14.3	14.1	13.9	14.0	14.3	14.9	14.8	14.4	14.3
G153.0	14.6	14.4	14.3	14.1	14.1	14.5	15.0	14.9	14.6	14.4
G154.0	14.7	14.6	14.4	14.2	14.2	14.5	15.1	15.1	14.7	14.6
G155.0	14.9	14.7	14.6	14.4	14.4	14.7	15.2	15.2	14.9	14.7
G156.0	15.0	14.8	14.8	14.5	14.5	14.8	15.3	15.2	14.9	14.8
G157.0	15.2	15.0	14.8	14.6	14.6	14.9	15.5	15.4	15.1	14.9
G158.0	15.2	15.1	15.0	14.7	14.7	15.0	15.4	15.4	15.2	15.0
G159.0	15.3	15.2	15.1	14.9	14.9	15.0	15.5	15.5	15.3	15.1
G160.0	15.4	15.3	15.2	15.0	15.0	15.2	15.6	15.5	15.4	15.2
G161.0	15.5	15.4	15.3	15.0	15.2	15.3	15.7	15.5	15.5	15.3
G162.0	15.5	15.5	15.4	15.1	15.3	15.3	15.7	15.7	15.6	15.4
G163.0	15.6	15.6	15.5	15.2	15.3	15.5	15.7	15.7	15.7	15.6
G164.0	15.7	15.6	15.6	15.3	15.4	15.5	15.9	15.8	15.8	15.7
G165.0	15.8	15.7	15.7	15.4	15.5	15.5	15.9	15.9	15.9	15.7
G166.0	15.9	15.8	15.8	15.5	15.6	15.7	16.0	15.9	15.9	15.7
G167.0	16.0	15.9	15.9	15.6	15.7	15.8	16.1	16.0	16.0	15.8
G168.0	16.0	16.0	16.0	15.7	15.8	15.8	16.1	16.0	16.1	15.9
G169.0	16.1	16.2	16.1	15.8	15.9	15.9	16.2	16.1	16.1	16.0
G170.0	16.2	16.2	16.1	15.9	15.9	16.0	16.3	16.2	16.1	16.0
G171.0	16.3	16.3	16.2	15.9	16.0	16.0	16.3	16.2	16.2	16.1
G172.0	16.4	16.3	16.2	16.0	16.1	16.0	16.3	16.3	16.3	16.1
G173.0	16.4	16.3	16.3	16.0	16.2	16.1	16.4	16.3	16.3	16.2
G174.0	16.5	16.4	16.4	16.1	16.2	16.2	16.4	16.3	16.4	16.2
G175.0	16.5	16.5	16.4	16.1	16.3	16.2	16.4	16.4	16.5	16.3
G176.0	16.5	16.5	16.4	16.2	16.4	16.3	16.5	16.4	16.5	16.3
G177.0	16.6	16.6	16.5	16.2	16.4	16.5	16.6	16.5	16.5	16.3
G178.0	16.6	16.6	16.5	16.3	16.5	16.4	16.6	16.5	16.5	16.3
G179.0	16.7	16.5	16.5	16.3	16.5	16.5	16.6	16.6	16.5	16.4
G180.0	16.6	16.6	16.5	16.3	16.5	16.5	16.7	16.6	16.4	16.3

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	1325.4	1325.4	1325.4							
G1.0	1325.0	1324.9	1325.2							
G2.0	1324.1	1324.3	1324.3							
G3.0	1322.5	1322.7	1323.1							
G4.0	1320.5	1320.9	1321.4							
G5.0	1317.8	1318.6	1319.0							
G6.0	1314.8	1315.6	1316.1							
G7.0	1311.3	1312.2	1313.1							
G8.0	1307.0	1308.3	1309.3							
G9.0	1302.5	1303.8	1305.0							
G10.0	1297.6	1299.2	1300.6							
G11.0	1291.4	1293.7	1295.0							
G12.0	1285.4	1287.9	1289.6							
G13.0	1279.0	1282.0	1283.7							
G14.0	1271.4	1274.9	1276.9							
G15.0	1263.8	1267.7	1270.1							
G16.0	1255.3	1259.7	1262.3							
G17.0	1246.5	1251.8	1254.6							
G18.0	1237.7	1243.3	1246.7							
G19.0	1227.9	1234.0	1237.7							
G20.0	1217.9	1224.6	1228.5							
G21.0	1207.9	1215.4	1219.6							
G22.0	1196.1	1204.9	1208.8							
G23.0	1185.2	1194.2	1199.0							
G24.0	1173.0	1182.6	1188.0							
G25.0	1161.5	1171.8	1177.0							
G26.0	1149.0	1159.8	1166.0							
G27.0	1135.4	1147.2	1153.9							
G28.0	1122.7	1135.4	1141.7							
G29.0	1109.1	1122.4	1129.7							
G30.0	1094.5	1108.7	1116.0							
G31.0	1080.6	1096.0	1103.5							
G32.0	1064.5	1080.7	1088.9							
G33.0	1049.4	1067.1	1075.9							
G34.0	1034.7	1052.7	1062.6							
G35.0	1017.8	1036.4	1046.9							
G36.0	1002.4	1022.2	1033.1							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	984.8	1005.6	1018.4							
G38.0	969.0	990.7	1002.7							
G39.0	952.9	974.9	987.5							
G40.0	934.4	958.2	970.6							
G41.0	917.9	942.8	955.5							
G42.0	900.4	926.3	940.5							
G43.0	881.7	908.9	923.1							
G44.0	864.5	892.9	907.6							
G45.0	844.6	874.2	891.5							
G46.0	827.1	857.8	873.4							
G47.0	808.5	840.6	857.5							
G48.0	788.7	822.2	839.2							
G49.0	769.5	804.6	823.3							
G50.0	751.5	787.7	806.4							
G51.0	730.4	768.1	788.7							
G52.0	711.9	751.1	771.7							
G53.0	690.5	732.3	755.3							
G54.0	671.6	714.3	736.7							
G55.0	651.9	697.0	720.4							
G56.0	631.0	677.3	702.5							
G57.0	610.9	660.0	685.4							
G58.0	591.7	641.7	668.1							
G59.0	570.6	622.7	649.3							
G60.0	550.4	604.3	632.1							
G61.0	529.0	585.2	614.0							
G62.0	508.6	566.8	596.8							
G63.0	489.0	549.0	580.2							
G64.0	466.7	529.9	561.1							
G65.0	447.2	511.3	544.5							
G66.0	426.6	493.6	527.2							
G67.0	405.1	473.3	509.2							
G68.0	385.7	455.9	491.9							
G69.0	363.0	435.8	473.5							
G70.0	343.3	418.3	455.9							
G71.0	322.8	400.7	438.2							
G72.0	301.7	380.5	419.1							
G73.0	281.6	362.9	401.0							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	262.6	344.2	383.3							
G75.0	241.3	323.9	363.1							
G76.0	222.9	306.0	345.1							
G77.0	202.6	285.5	324.5							
G78.0	185.4	267.3	305.7							
G79.0	167.7	248.1	283.8							
G80.0	149.4	227.1	256.1							
G81.0	132.5	203.0	226.4							
G82.0	115.6	174.8	191.5							
G83.0	99.1	143.9	147.2							
G84.0	81.9	109.2	95.4							
G85.0	62.6	62.5	36.3							
G86.0	44.1	22.7	6.0							
G87.0	24.9	8.9	5.1							
G88.0	11.9	7.1	4.7							
G89.0	8.0	5.3	4.4							
G90.0	4.5	4.8	4.2							
G91.0	4.6	4.9	4.4							
G92.0	4.8	5.0	4.6							
G93.0	4.9	5.2	4.7							
G94.0	5.1	5.4	4.9							
G95.0	5.2	5.5	5.0							
G96.0	5.4	5.7	5.2							
G97.0	5.6	5.8	5.3							
G98.0	5.8	6.0	5.5							
G99.0	6.0	6.1	5.7							
G100.0	6.1	6.3	5.9							
G101.0	6.3	6.4	6.0							
G102.0	6.5	6.6	6.1							
G103.0	6.6	6.7	6.3							
G104.0	6.9	6.9	6.4							
G105.0	6.9	7.0	6.6							
G106.0	7.1	7.2	6.7							
G107.0	7.2	7.5	6.9							
G108.0	7.4	7.5	7.2							
G109.0	7.6	7.7	7.4							
G110.0	7.8	7.8	7.5							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	8.0	8.1	7.7							
G112.0	8.2	8.2	7.8							
G113.0	8.4	8.4	7.9							
G114.0	8.5	8.5	8.1							
G115.0	8.6	8.7	8.3							
G116.0	8.8	8.9	8.4							
G117.0	8.8	9.1	8.7							
G118.0	9.0	9.2	8.8							
G119.0	9.1	9.5	9.0							
G120.0	9.3	9.6	9.2							
G121.0	9.4	9.7	9.4							
G122.0	9.7	9.9	9.6							
G123.0	9.9	10.1	9.8							
G124.0	10.0	10.3	9.9							
G125.0	10.2	10.5	10.2							
G126.0	10.4	10.6	10.4							
G127.0	10.6	10.8	10.6							
G128.0	10.7	11.0	10.8							
G129.0	10.9	11.2	10.9							
G130.0	11.1	11.3	11.1							
G131.0	11.2	11.6	11.3							
G132.0	11.4	11.9	11.4							
G133.0	11.5	12.0	11.7							
G134.0	11.7	12.1	11.9							
G135.0	11.9	12.3	12.0							
G136.0	12.1	12.4	12.2							
G137.0	12.3	12.7	12.4							
G138.0	12.5	12.8	12.5							
G139.0	12.7	12.9	12.7							
G140.0	12.8	13.2	12.8							
G141.0	12.8	13.3	12.8							
G142.0	13.0	13.4	13.2							
G143.0	13.2	13.5	13.3							
G144.0	13.3	13.7	13.4							
G145.0	13.5	13.8	13.6							
G146.0	13.7	13.9	13.7							
G147.0	13.8	14.1	13.8							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	14.0	14.1	13.9							
G149.0	14.2	14.4	14.1							
G150.0	14.3	14.5	14.3							
G151.0	14.4	14.6	14.4							
G152.0	14.6	14.8	14.5							
G153.0	14.7	14.9	14.6							
G154.0	14.9	15.0	14.7							
G155.0	14.9	15.1	14.9							
G156.0	15.1	15.2	15.0							
G157.0	15.2	15.4	15.2							
G158.0	15.4	15.5	15.2							
G159.0	15.4	15.6	15.3							
G160.0	15.5	15.6	15.4							
G161.0	15.5	15.7	15.5							
G162.0	15.7	15.8	15.5							
G163.0	15.7	15.9	15.6							
G164.0	15.9	16.0	15.7							
G165.0	15.9	16.1	15.8							
G166.0	16.0	16.1	15.9							
G167.0	16.0	16.2	16.0							
G168.0	16.1	16.3	16.0							
G169.0	16.2	16.3	16.1							
G170.0	16.2	16.3	16.2							
G171.0	16.3	16.4	16.3							
G172.0	16.3	16.5	16.4							
G173.0	16.4	16.5	16.4							
G174.0	16.4	16.5	16.5							
G175.0	16.4	16.5	16.5							
G176.0	16.4	16.5	16.5							
G177.0	16.5	16.5	16.6							
G178.0	16.5	16.5	16.6							
G179.0	16.5	16.6	16.7							
G180.0	16.6	16.5	16.6							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.011 m

Humidity:

Inspector:

LED Average Luminance Report

Avg.L	cd/m ²
L 0-180(65) av	3556.05
L 0-180(75) av	3920.59
L 0-180(85) av	1796.21
L 90-270(65) av	2740.87
L 90-270(75) av	2210.35
L 90-270(85) av	1171.69
L 45(65) av	3113.07
L 45(75) av	3023.92
L 45(85) av	2167.81

Standard: GB/T 29293-2012