

Report No.:

Test Time: 2020-09-07 16:22

Luminaire Property

Luminaire Manufacturer: ASD Lighting Corp

Luminaire Description: ASD-LMPJBR-GB-6D12CC-BZ 5000K

Luminous Length (mm): 70

Luminous Width (mm): 70

Voltage: 120.3 V

Current: 0.097 A

Power: 11.43 W

Power Factor: 0.978

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 864.9 lm

Measurement Flux: 864.9 lm

Efficiency: 100%

Downward Ratio: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 159.8, 159.6, 159.4, 160.2

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 107.0, 107.2, 107.1, 107.2

Luminaire Efficacy Rating (LER): 75.72

Central Intensity: 319.66 cd

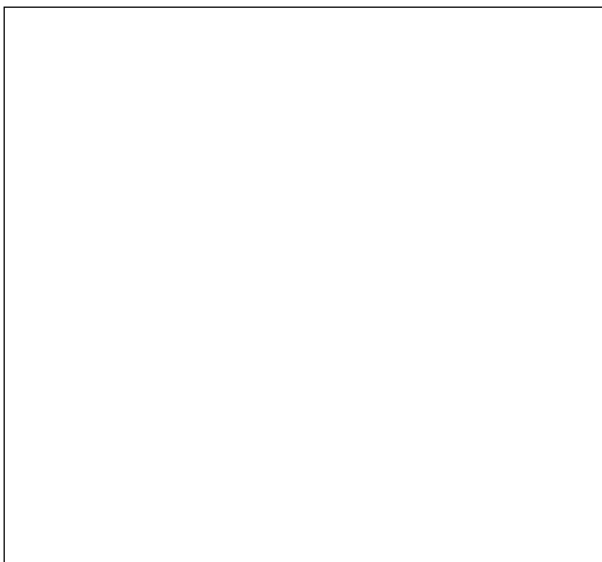
Max. Intensity: 321.86 cd

Pos of Max. Intensity: H240 V4

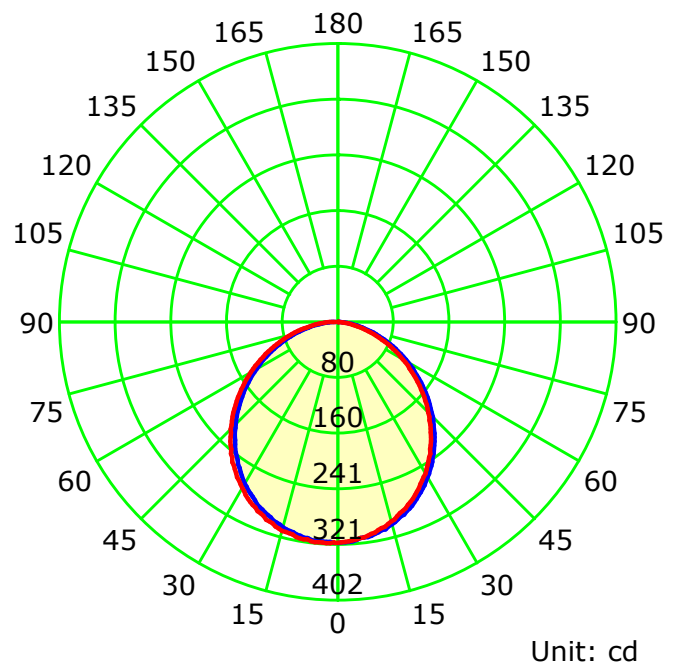
S/MH(C0/C180): 1.23

S/MH(C90/C270): 1.23

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Gamma Plane (°):0.0-90.0:1.0

Test Lab:

Test Device: GPM-1600L

Test Type: TYPE C

Distance: 6.935 m

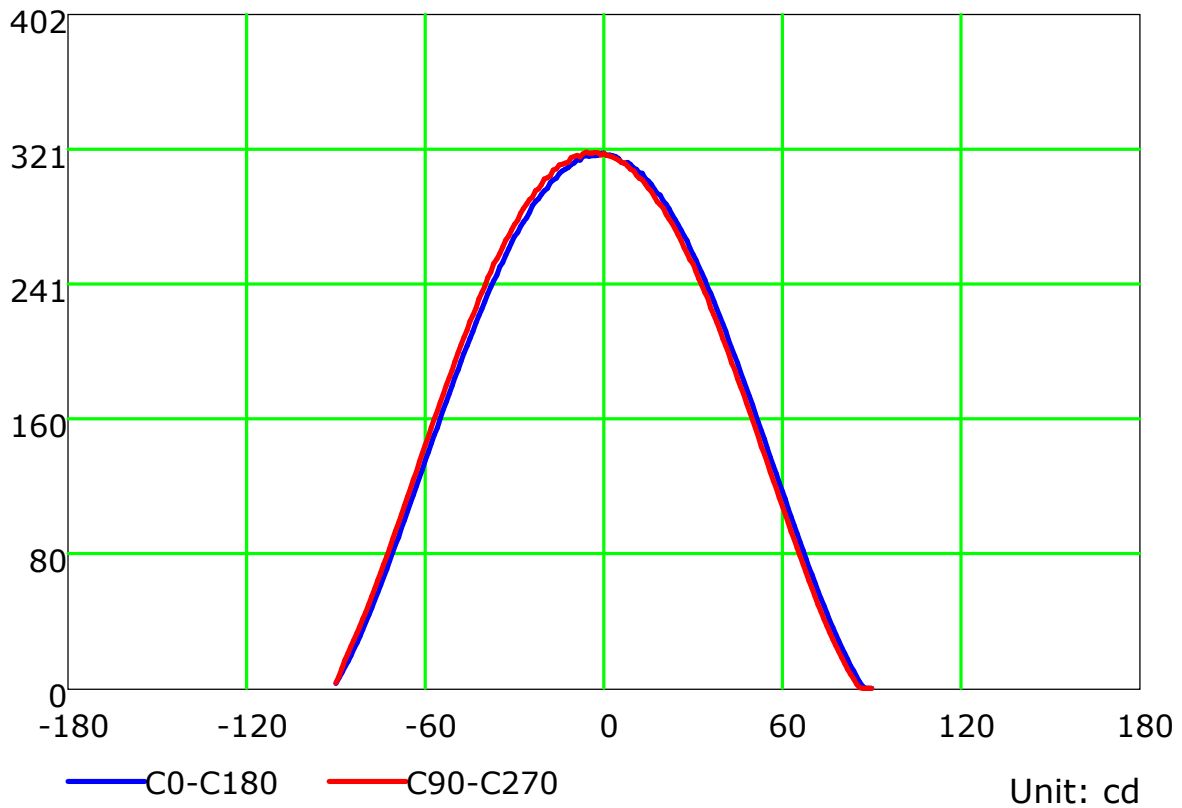
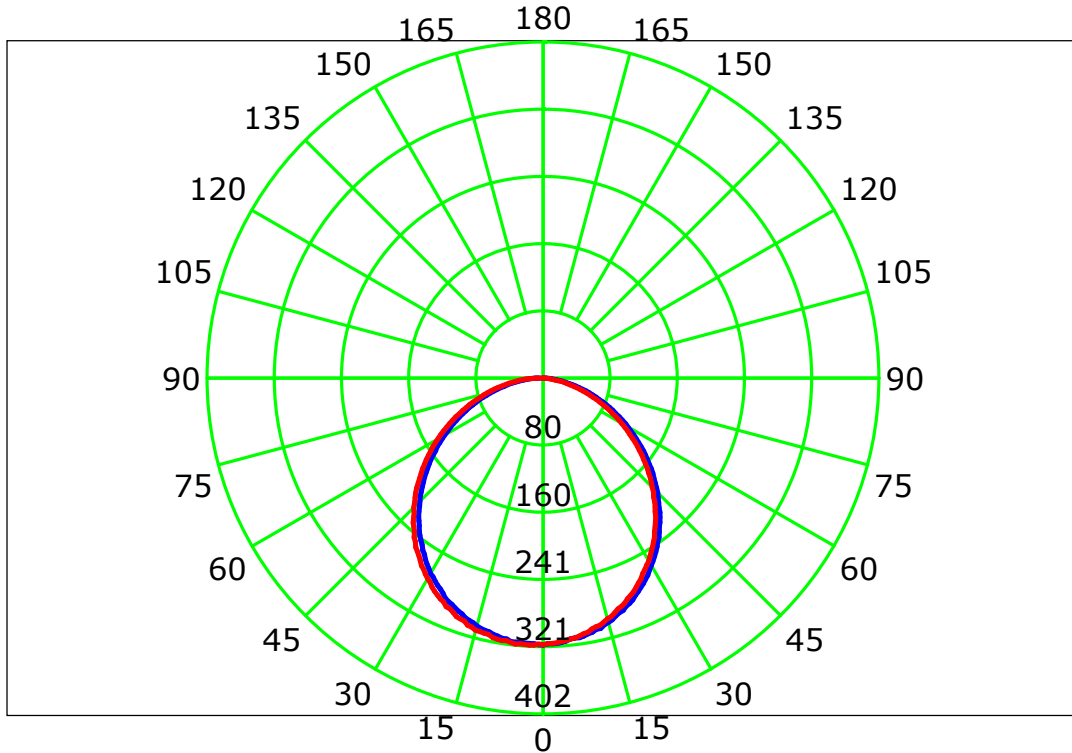
Temperature:

Humidity:

Operator:

Inspector:

Luminous Intensity Distribution Curve

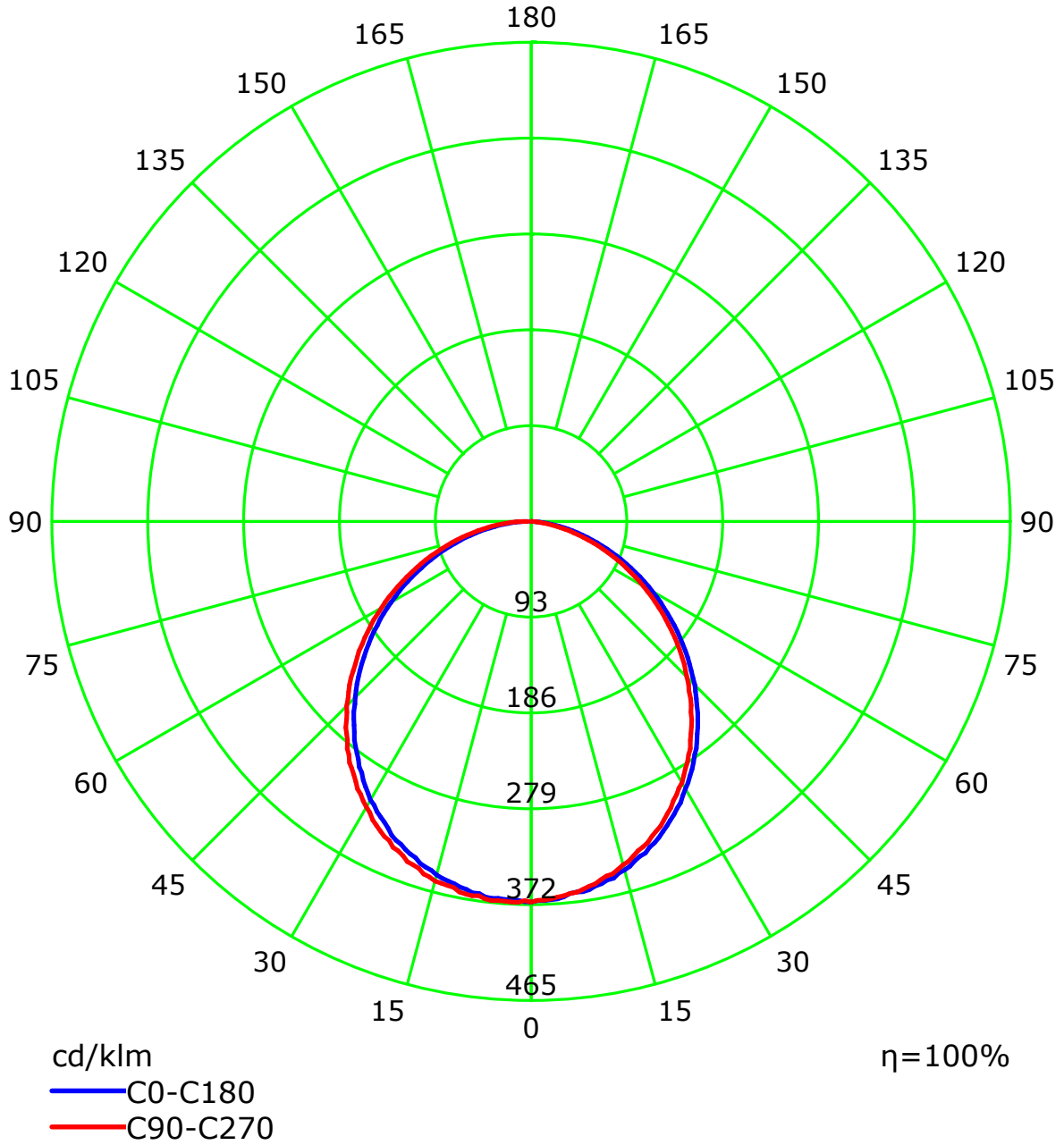


C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector:

Unit: cd

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600L

Distance: 6.935 m

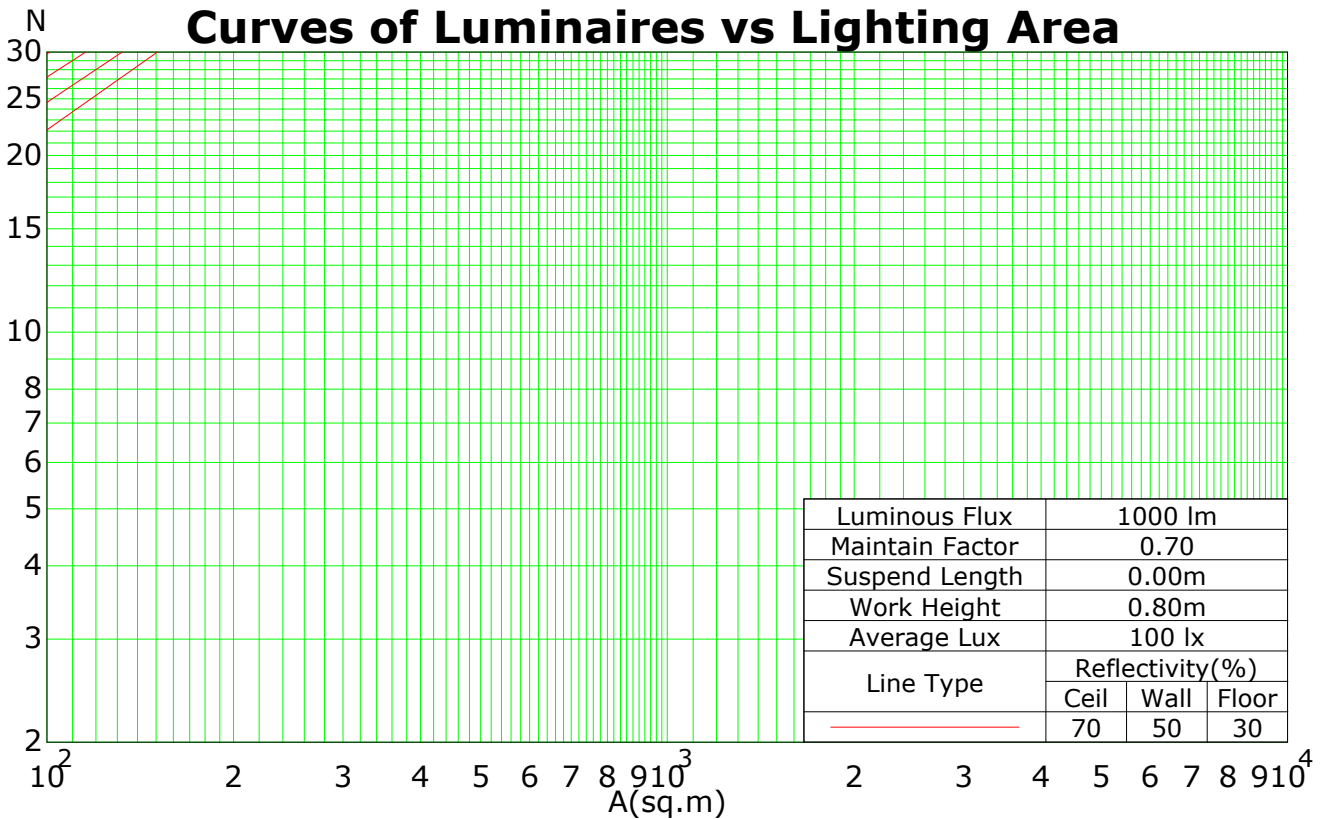
Humidity:

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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	95	98	94	92	94	91	89	90	88	86	84
2	99	91	84	79	96	89	83	78	86	80	76	82	78	74	79	76	72	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	63	70	65	62	59
4	83	71	62	56	81	70	61	55	67	60	54	65	59	54	63	57	53	51
5	76	63	55	48	74	62	54	48	60	53	47	58	52	47	56	51	46	44
6	70	57	48	42	69	56	48	42	54	47	41	53	46	41	51	45	41	39
7	65	52	43	37	64	51	43	37	50	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	44	35	30	56	43	35	30	42	35	30	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

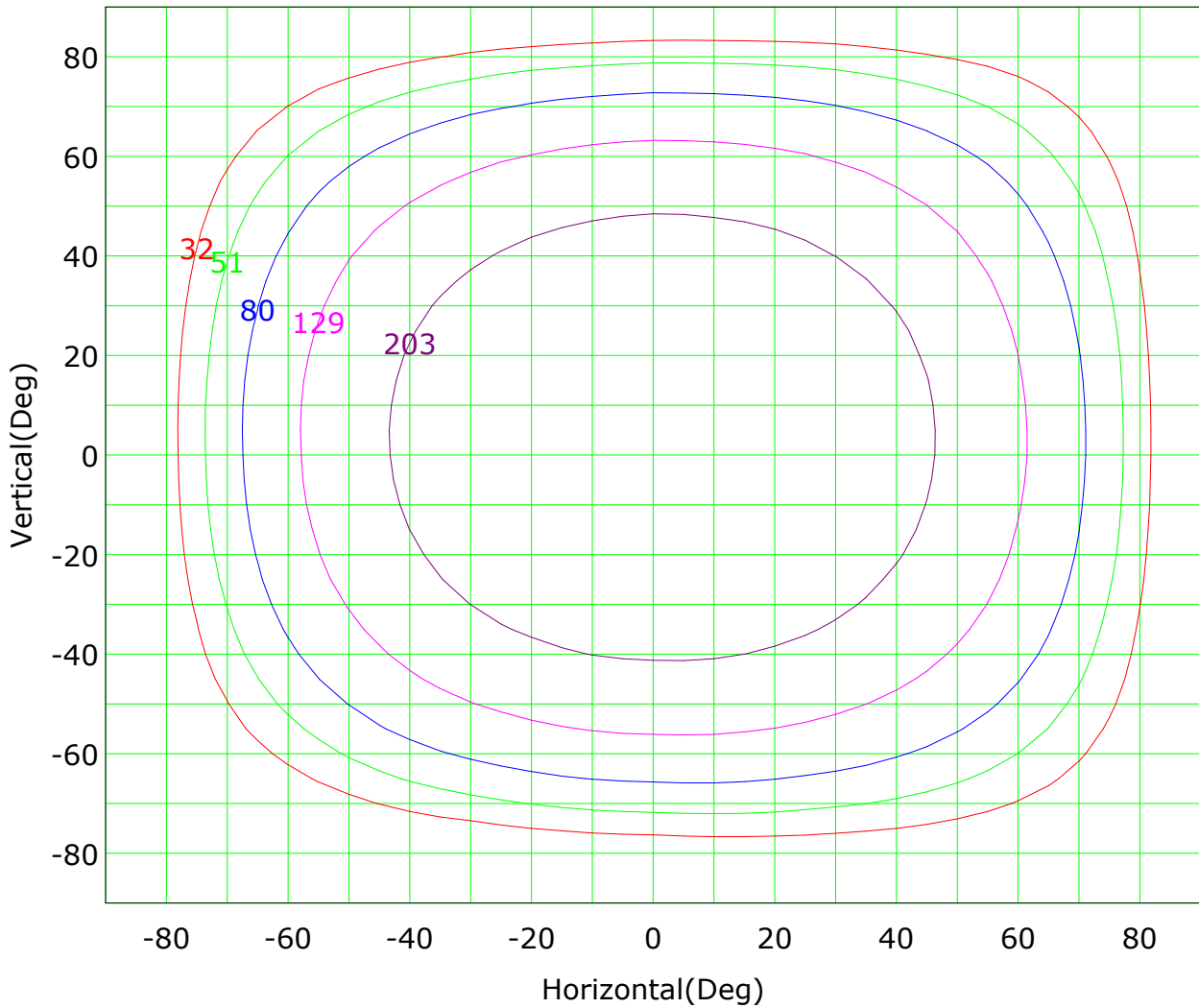
Spacing Criteria (0-180): 1.23
 Spacing Criteria (90-270): 1.23
 Spacing Criteria (Diagonal): 1.34



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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector:

Isocandela (rectangle)



Imax (100%): 322 cd

- | | | | |
|-----------|--------|-----------|--------|
| — (10%): | 32 cd | — (16%): | 51 cd |
| — (25%): | 80 cd | — (40%): | 129 cd |
| — (63%): | 203 cd | — (100%): | 322 cd |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

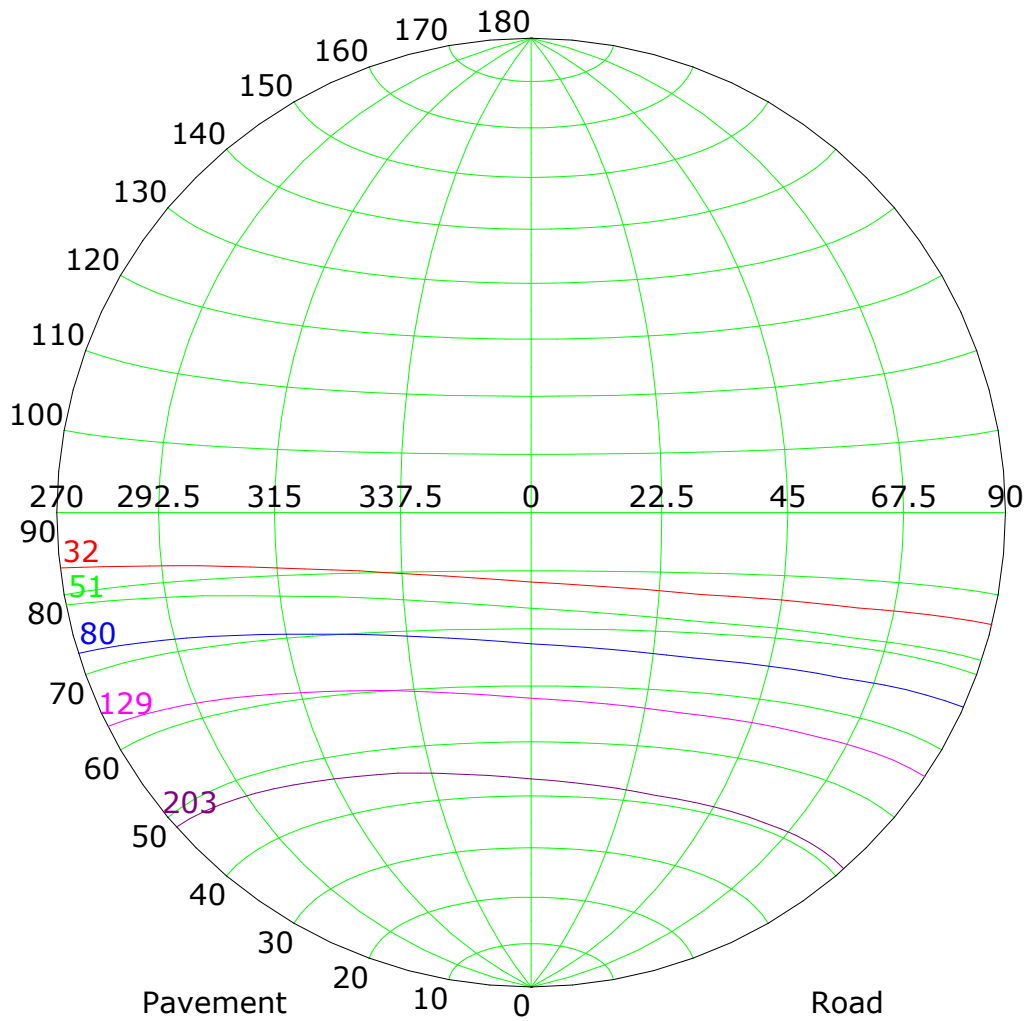
Test Device: GPM-1600L

Distance: 6.935 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 322 cd

— (10%):	32 cd	— (16%):	51 cd
— (25%):	80 cd	— (40%):	129 cd
— (63%):	203 cd	— (100%):	322 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

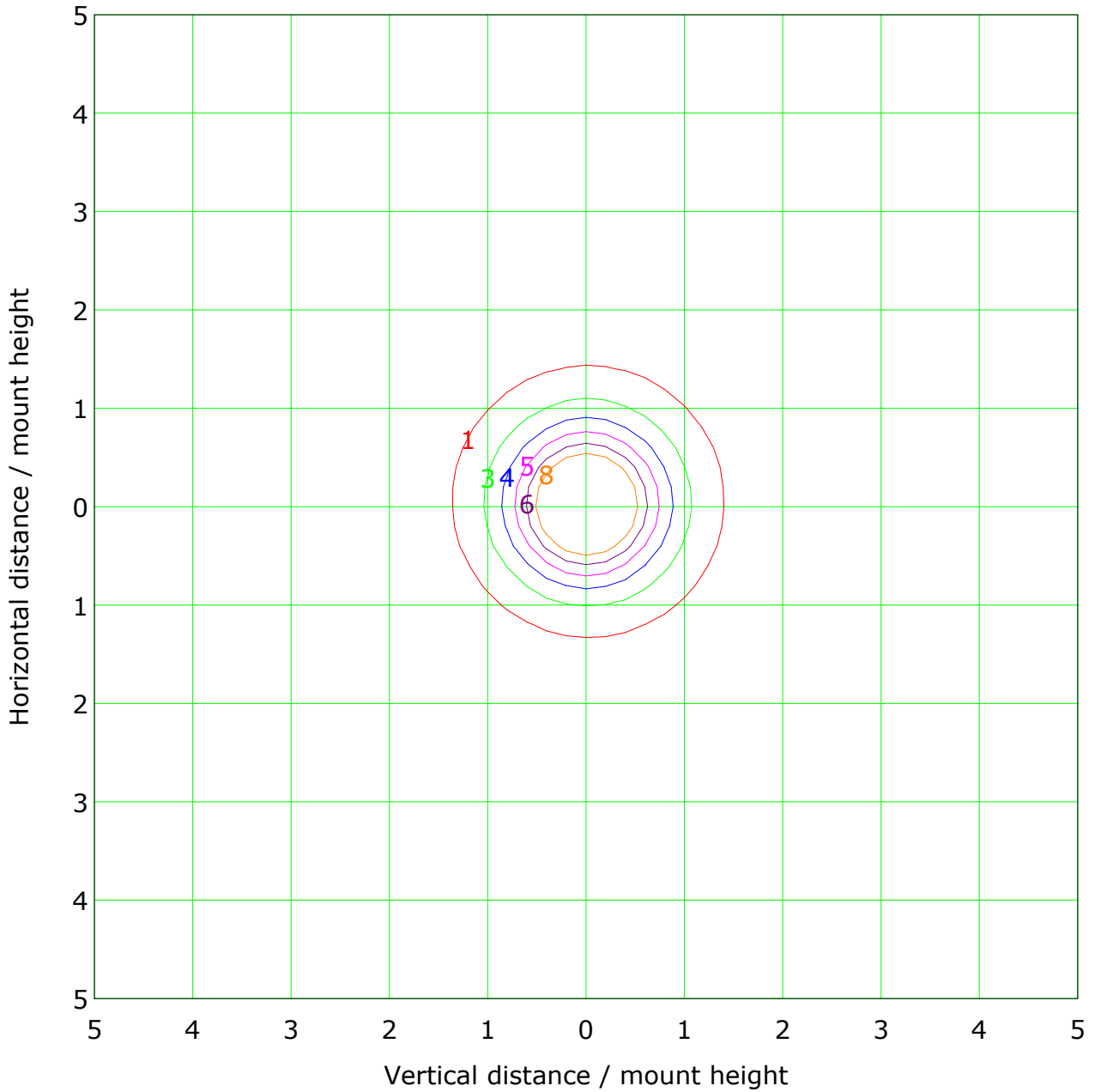
Test Device: GPM-1600L

Distance: 6.935 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 5.0m		Max Lux(100%): 12.8 lx
<ul style="list-style-type: none"> — (10%): 1.3 lx — (30%): 3.8 lx — (50%): 6.4 lx — (100%): 12.8 lx 	<ul style="list-style-type: none"> — (20%): 2.6 lx — (40%): 5.1 lx — (60%): 7.7 lx 	

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600L

Distance: 6.935 m

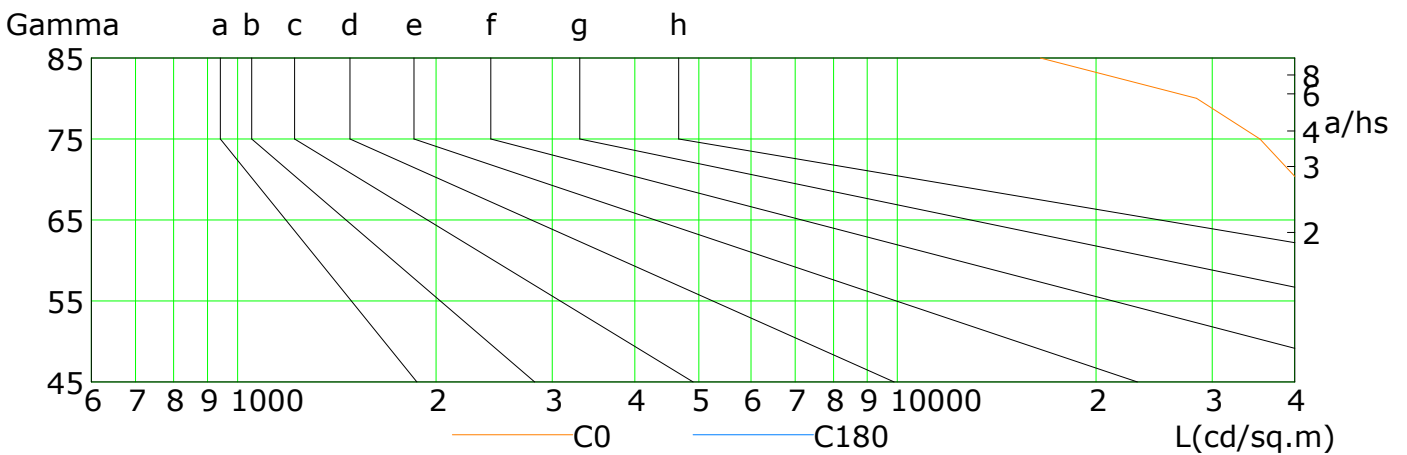
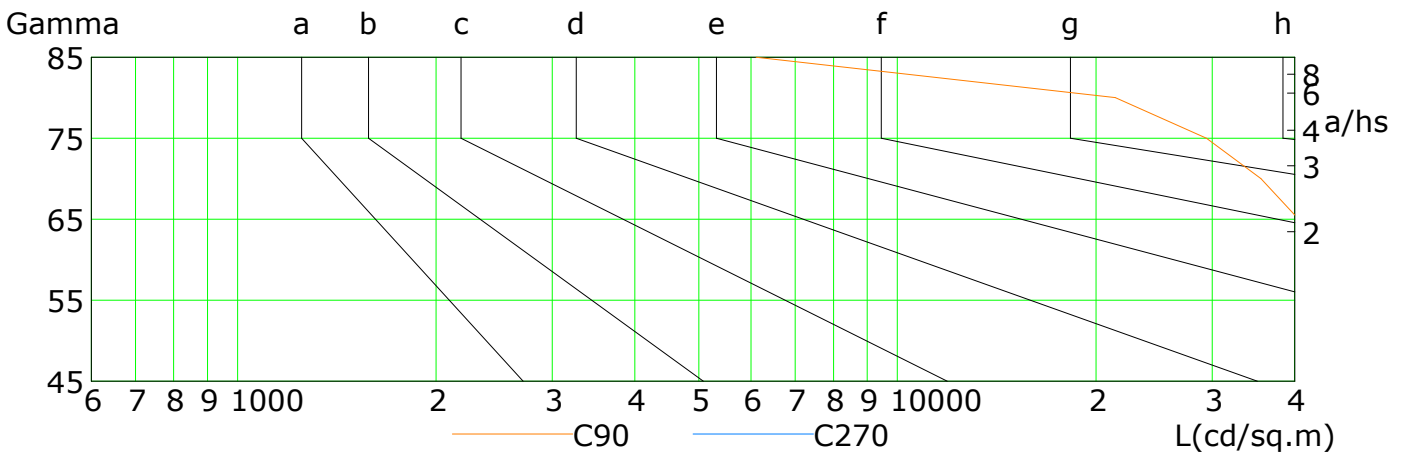
Humidity:

Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
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

a b c d e f g h



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	56084	53745	50966	47988	44600	40420	35451	28406	16461
C90	53348	50875	47963	44437	40602	35545	29404	21390	6112
C180	60323	59032	57395	55576	53621	51286	48698	46458	46012
C270	63308	62010	60761	59294	57653	56083	54518	53439	58797

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

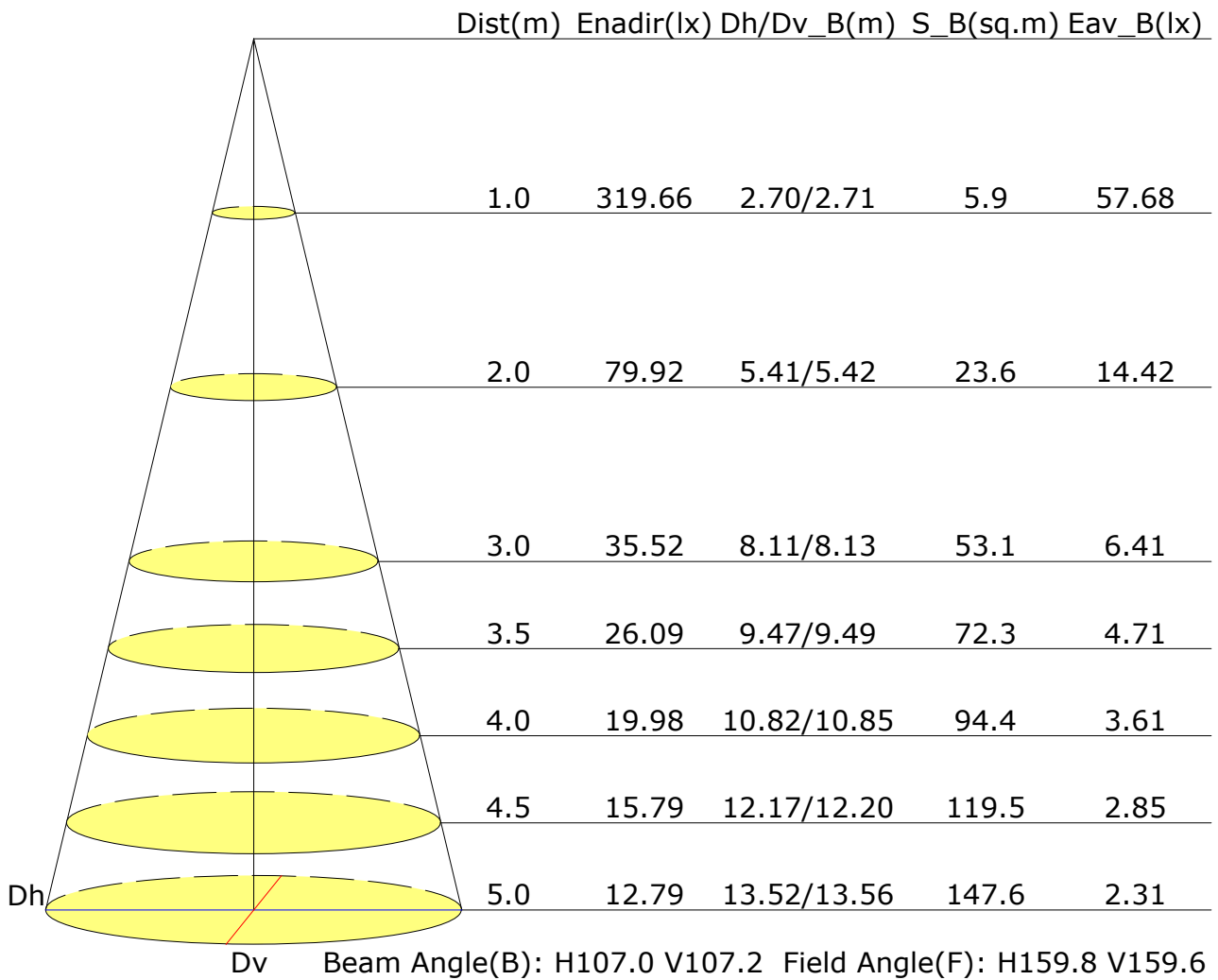
Test Device: GPM-1600L

Distance: 6.935 m

Humidity:

Inspector:

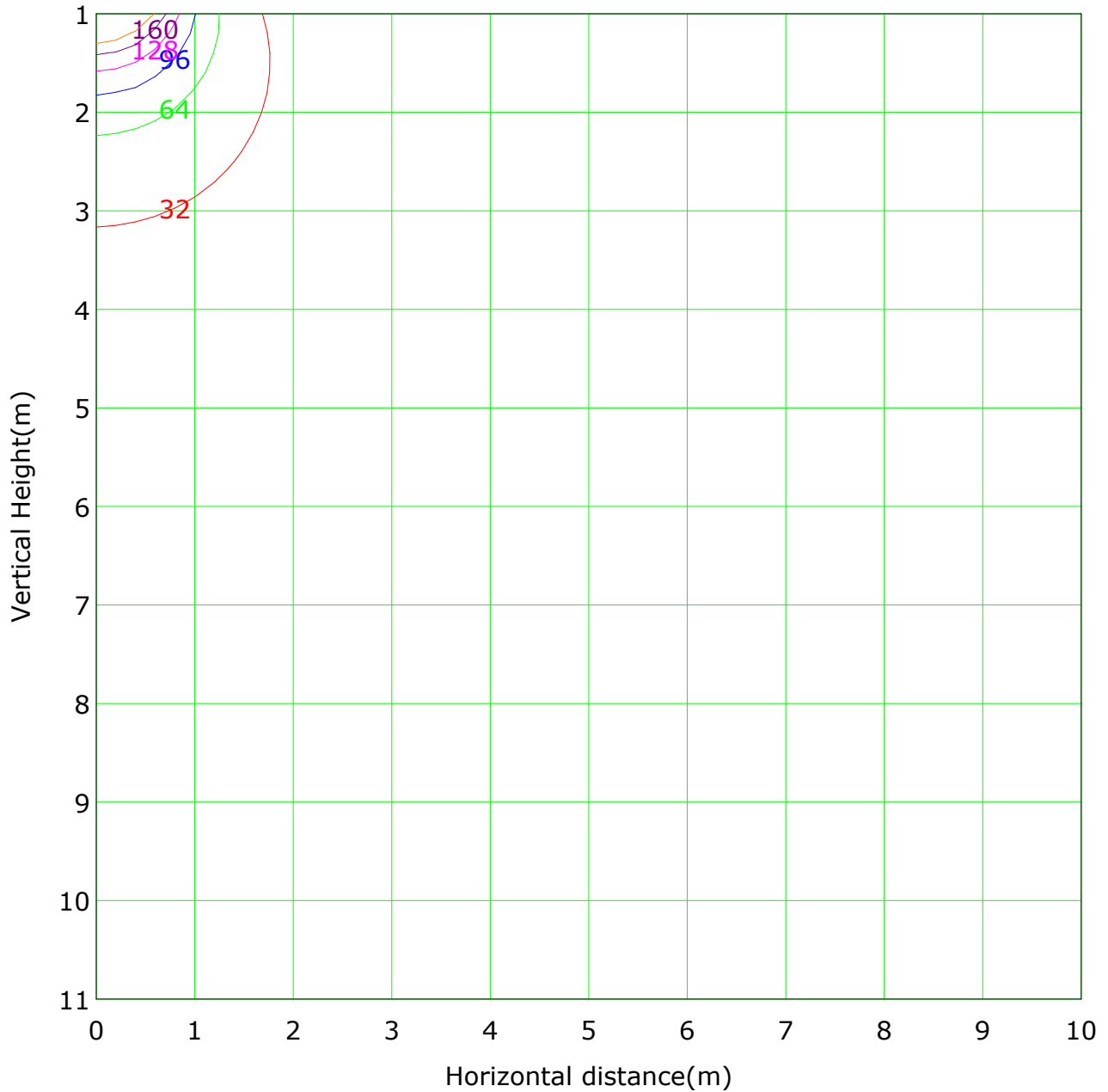
Illuminance at a Distance



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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 319.7 lx
(10%): 32.0 lx	(20%): 63.9 lx	
(30%): 95.9 lx	(40%): 127.9 lx	
(50%): 159.8 lx	(60%): 191.8 lx	
(100%): 319.7 lx		

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector:

Area Flux Table

Unit: lm

-90	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.7	0.8	0.7	0.7	0.5	0.4	0.3	0.1	0.1	0.0	0.0	6.5	2.0
-80	0.0	0.1	0.4	0.7	1.0	1.4	1.8	2.0	2.1	2.1	1.9	1.6	1.2	0.8	0.5	0.2	0.1	0.0	17.9	16.7
-70	0.0	0.2	0.6	1.1	1.7	2.4	3.0	3.4	3.6	3.6	3.3	2.8	2.2	1.5	0.9	0.4	0.1	0.0	30.8	30.4
-60	0.0	0.3	0.8	1.6	2.4	3.4	4.2	4.8	5.1	5.1	4.7	4.0	3.1	2.2	1.3	0.6	0.2	0.0	44.0	43.7
-50	0.1	0.4	1.0	2.0	3.1	4.3	5.4	6.2	6.6	6.5	6.0	5.2	4.0	2.8	1.7	0.8	0.2	0.0	56.3	56.1
-40	0.1	0.4	1.2	2.3	3.7	5.1	6.4	7.3	7.8	7.8	7.2	6.2	4.8	3.4	2.0	1.0	0.3	0.0	67.0	66.8
-30	0.1	0.5	1.3	2.6	4.1	5.7	7.1	8.2	8.8	8.7	8.1	6.9	5.4	3.8	2.3	1.1	0.3	0.0	75.2	75.1
-20	0.1	0.5	1.4	2.8	4.4	6.1	7.7	8.8	9.4	9.3	8.7	7.4	5.8	4.1	2.5	1.2	0.4	0.0	80.5	80.4
-10	0.1	0.5	1.4	2.8	4.5	6.3	7.8	9.0	9.6	9.6	8.9	7.6	6.0	4.2	2.5	1.2	0.4	0.0	82.5	82.4
0	0.1	0.5	1.4	2.8	4.4	6.2	7.7	8.9	9.5	9.5	8.8	7.5	5.9	4.1	2.5	1.2	0.4	0.0	81.4	81.3
10	0.1	0.5	1.4	2.6	4.2	5.9	7.3	8.4	9.0	9.0	8.3	7.1	5.6	3.9	2.3	1.1	0.3	0.0	77.1	76.9
20	0.1	0.4	1.2	2.4	3.8	5.3	6.6	7.7	8.2	8.1	7.5	6.4	5.0	3.5	2.1	1.0	0.3	0.0	69.7	69.6
30	0.1	0.4	1.1	2.1	3.3	4.6	5.7	6.6	7.0	7.0	6.4	5.5	4.3	3.0	1.8	0.9	0.3	0.0	59.7	59.5
40	0.0	0.3	0.9	1.7	2.7	3.7	4.6	5.3	5.6	5.6	5.1	4.4	3.4	2.4	1.4	0.7	0.2	0.0	47.8	47.6
50	0.0	0.2	0.7	1.3	2.0	2.7	3.4	3.9	4.1	4.0	3.7	3.1	2.4	1.7	1.0	0.5	0.1	0.0	34.9	34.5
60	0.0	0.2	0.4	0.8	1.3	1.8	2.2	2.4	2.6	2.5	2.3	1.9	1.5	1.0	0.6	0.3	0.1	0.0	21.9	21.0
70	0.0	0.1	0.2	0.4	0.6	0.9	1.0	1.1	1.2	1.1	1.0	0.8	0.6	0.4	0.2	0.1	0.0	0.0	10.0	5.9
80	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.2	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1.5	0.0
Flux(T)	0.8	5.7	15.7	30.3	47.9	66.3	82.8	95.0	101.1	100.3	92.6	79.1	61.8	43.1	25.9	12.3	3.7	0.3	865	
Flux(E)	0.1	4.7	14.8	29.4	47.1	65.4	82.0	94.2	100.3	99.5	91.8	78.3	60.9	42.2	25.0	11.4	2.5	0.0		850
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	Flux(T)	Flux(E)

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600L

Distance: 6.935 m

Humidity:

Inspector:

C Plane (°):0.0-360.0: 30.0

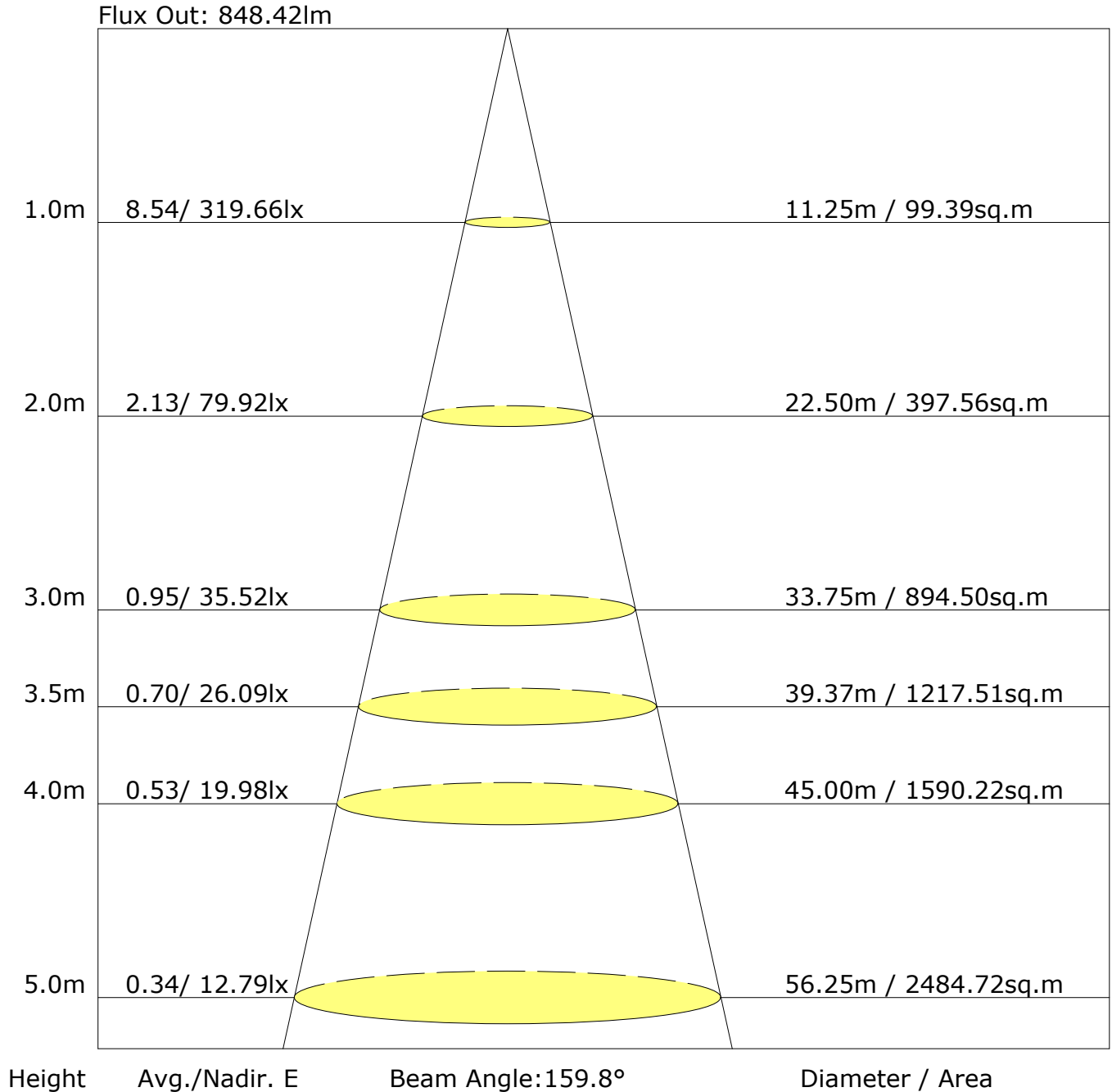
Test Lab:

Test Type: TYPE C

Temperature:

Operator:

The Average Illuminance Effective Figure



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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector:

UGR Table

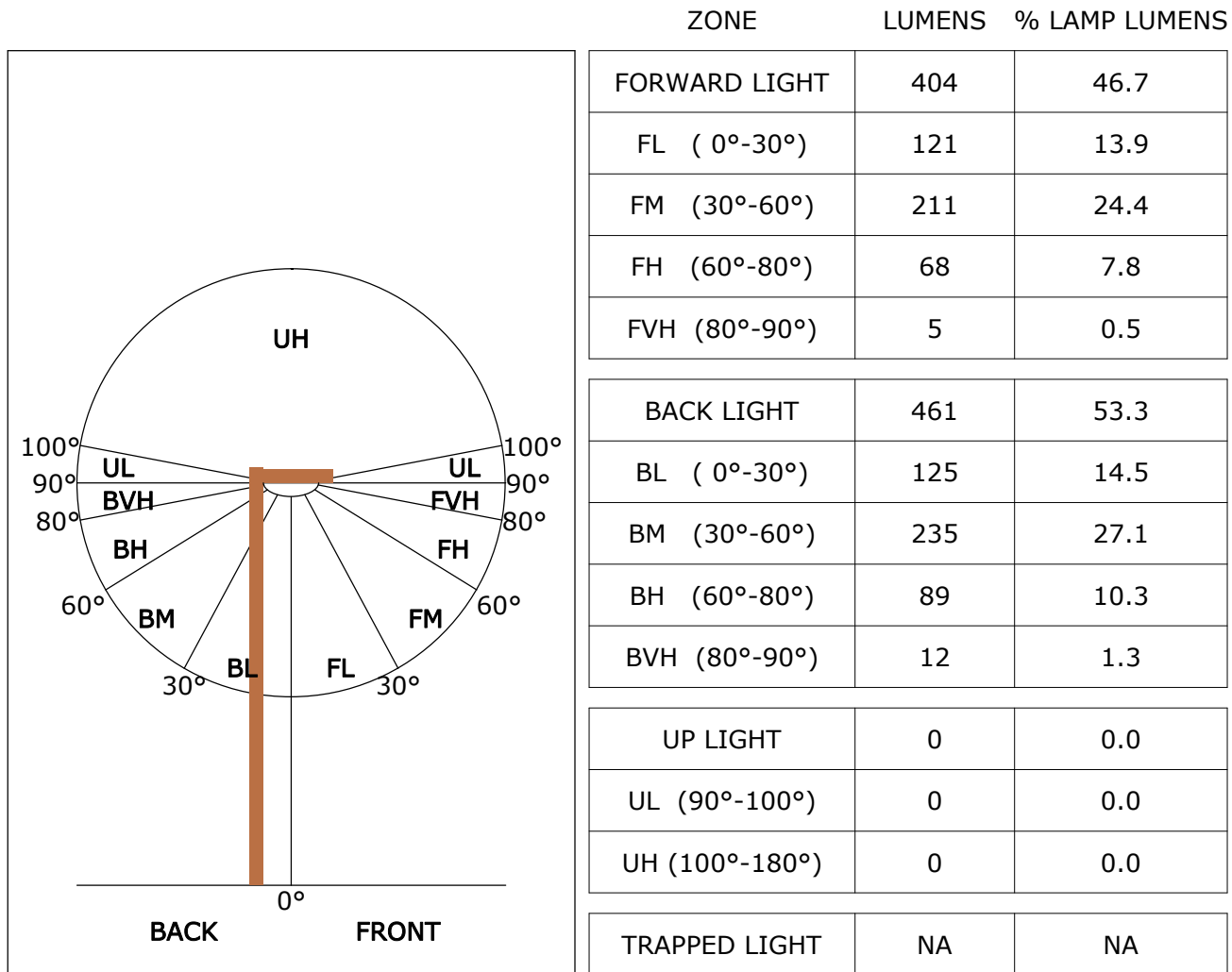
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	26.0	27.4	26.3	27.7	27.9	26.3	27.7	26.6	28.0	28.2
3H	27.4	28.6	27.7	28.9	29.2	27.8	29.1	28.2	29.3	29.6
4H	27.9	29.0	28.2	29.3	29.6	28.4	29.6	28.8	29.9	30.2
6H	28.2	29.3	28.5	29.6	29.9	28.9	30.0	29.3	30.3	30.6
8H	28.2	29.3	28.6	29.6	30.0	29.1	30.1	29.4	30.5	30.8
12H	28.3	29.3	28.6	29.6	30.0	29.2	30.2	29.6	30.6	30.9
X=4H Y=2H	26.7	27.9	27.0	28.2	28.5	26.9	28.1	27.3	28.4	28.7
3H	28.2	29.2	28.6	29.6	29.9	28.6	29.6	29.0	29.9	30.3
4H	28.8	29.7	29.2	30.1	30.5	29.3	30.2	29.7	30.6	31.0
6H	29.2	30.0	29.7	30.4	30.8	29.9	30.7	30.3	31.1	31.5
8H	29.3	30.1	29.8	30.5	30.9	30.2	30.9	30.6	31.3	31.7
12H	29.4	30.1	29.8	30.5	30.9	30.4	31.0	30.8	31.4	31.9
X=8H Y=4H	29.1	29.8	29.5	30.2	30.7	29.6	30.3	30.0	30.7	31.1
6H	29.7	30.2	30.1	30.7	31.1	30.3	30.9	30.8	31.3	31.8
8H	29.8	30.4	30.3	30.8	31.3	30.6	31.1	31.1	31.6	32.1
12H	29.9	30.4	30.4	30.9	31.4	30.9	31.4	31.4	31.8	32.3
X=12H Y=4H	29.1	29.8	29.6	30.2	30.7	29.6	30.2	30.0	30.7	31.1
6H	29.7	30.2	30.2	30.7	31.2	30.3	30.9	30.8	31.3	31.8
8H	29.9	30.4	30.4	30.9	31.4	30.7	31.2	31.2	31.6	32.1
Variations with the observer position at spacings:										
S=1.0H						+0.2/-0.2				
S=1.5H						+0.3/-0.5				
S=2.0H						+0.6/-1.0				

Calculate in accordance with CIE Pub.117. The table is revised with 865lm ($8\log(F/F_0) = -0.5$).

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

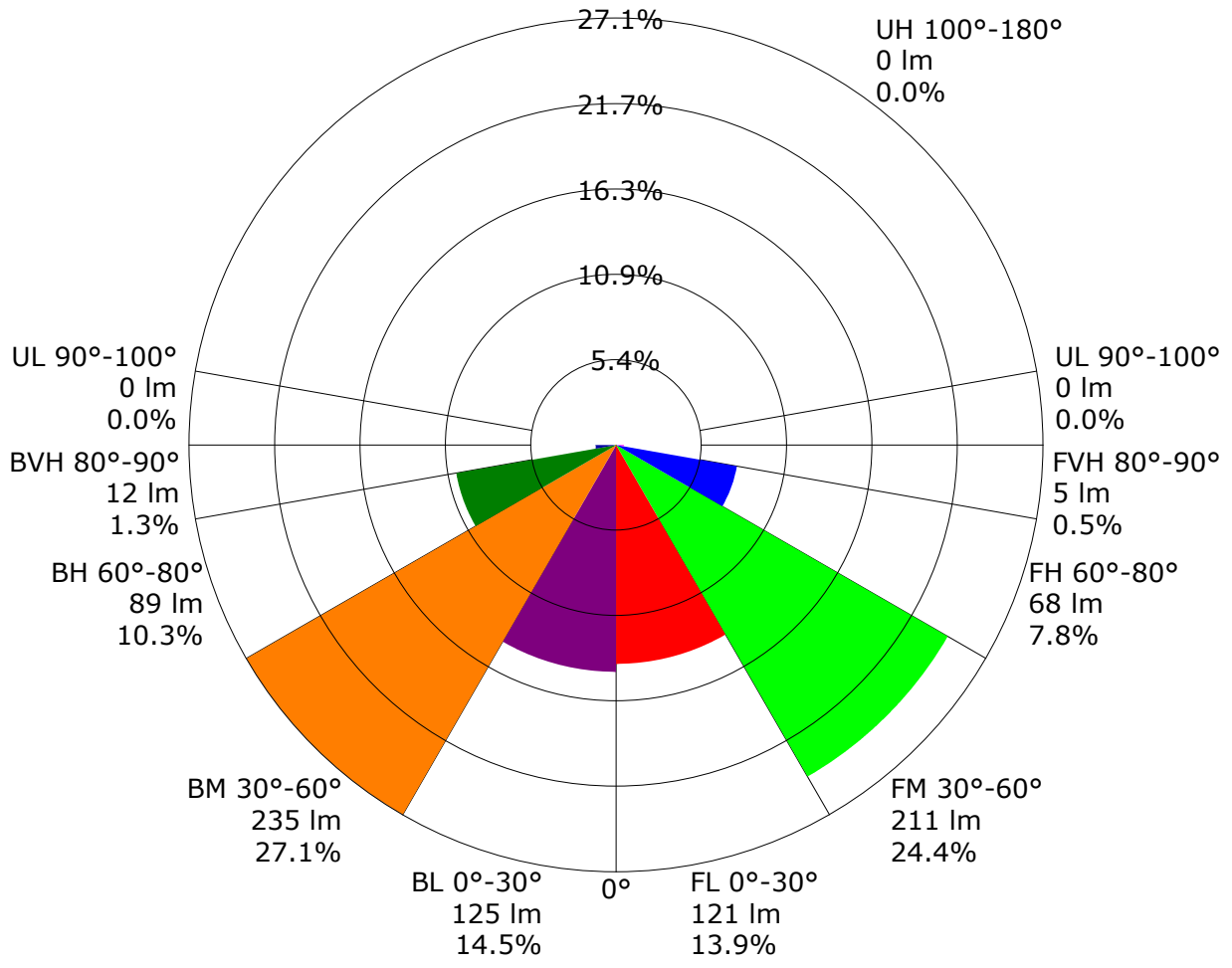


BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U1 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U1 G1

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector:

LCS Graph



Back Light

Forward Light

Scale= MAX LCS%

Trapped Light:NA,NA

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600L

Distance: 6.935 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	0.58	0.68	0.75	0.80	0.88	0.93	0.96	1.01	1.04
	0.30		0.50	0.60	0.68	0.74	0.82	0.87	0.91	0.97	1.00
	0.20		0.44	0.55	0.62	0.68	0.77	0.83	0.87	0.93	0.97
0.50	0.50	0.20	0.56	0.66	0.73	0.78	0.85	0.89	0.92	0.97	0.99
	0.30		0.49	0.59	0.66	0.72	0.79	0.85	0.88	0.93	0.96
	0.20		0.44	0.54	0.61	0.67	0.75	0.81	0.85	0.90	0.94
0.30	0.50	0.20	0.55	0.64	0.71	0.75	0.82	0.86	0.89	0.93	0.96
	0.30		0.48	0.58	0.65	0.70	0.77	0.82	0.86	0.90	0.93
	0.20		0.44	0.53	0.61	0.66	0.74	0.79	0.83	0.88	0.91
0.00	0.00	0.00	0.41	0.51	0.58	0.63	0.70	0.75	0.79	0.83	0.86
<p>Rating:11W 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:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 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	0.99	0.81	0.69	0.60	0.48	0.40	0.34	0.26	0.22	
	0.30		0.82	0.70	0.60	0.53	0.43	0.37	0.32	0.25	0.21	
	0.20		0.71	0.61	0.53	0.48	0.40	0.34	0.29	0.23	0.20	
0.50	0.50	0.20	0.95	0.78	0.66	0.58	0.46	0.41	0.32	0.25	0.20	
	0.30		0.81	0.68	0.59	0.52	0.42	0.35	0.30	0.24	0.20	
	0.20		0.70	0.60	0.52	0.47	0.39	0.33	0.29	0.23	0.19	
0.30	0.50	0.20	0.92	0.75	0.64	0.55	0.44	0.36	0.31	0.24	0.20	
	0.30		0.79	0.66	0.57	0.50	0.41	0.34	0.29	0.23	0.19	
	0.20		0.69	0.59	0.52	0.46	0.38	0.32	0.28	0.22	0.18	
0.00	0.00	0.00	0.59	0.49	0.42	0.37	0.30	0.25	0.22	0.17	0.14	
<p>Rating:11W 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:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector:

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	0.16	0.18	0.18	0.19	0.20	0.20	0.21	0.21	0.22
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	0.06	0.08	0.09	0.11	0.13	0.14	0.16	0.17
0.50	0.50	0.20	0.16	0.17	0.18	0.18	0.19	0.20	0.20	0.21	0.21
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	0.06	0.08	0.09	0.11	0.12	0.14	0.15	0.16
0.30	0.50	0.20	0.15	0.16	0.17	0.18	0.18	0.19	0.19	0.20	0.20
	0.30		0.09	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18
	0.20		0.05	0.06	0.08	0.09	0.11	0.12	0.13	0.15	0.16
0.00	0.00	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA
<p>Rating:11W 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:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 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	319.1	0.3	0.3	0.04	0.04
1.0-2.0	319.0	0.9	1.2	0.11	0.14
2.0-3.0	318.8	1.5	2.7	0.18	0.32
3.0-4.0	318.3	2.1	4.9	0.25	0.56
4.0-5.0	317.6	2.7	7.6	0.32	0.88
5.0-6.0	317.0	3.3	10.9	0.39	1.27
6.0-7.0	316.5	3.9	14.9	0.45	1.72
7.0-8.0	315.6	4.5	19.4	0.52	2.24
8.0-9.0	314.6	5.1	24.5	0.59	2.83
9.0-10.0	313.5	5.7	30.2	0.66	3.49
10.0-11.0	312.2	6.2	36.4	0.72	4.21
11.0-12.0	310.7	6.8	43.2	0.79	4.99
12.0-13.0	309.4	7.3	50.5	0.85	5.84
13.0-14.0	308.0	7.9	58.4	0.91	6.75
14.0-15.0	306.2	8.4	66.8	0.97	7.73
15.0-16.0	304.5	8.9	75.8	1.03	8.76
16.0-17.0	302.4	9.4	85.2	1.09	9.85
17.0-18.0	300.1	9.9	95.1	1.14	10.99
18.0-19.0	297.9	10.4	105.4	1.20	12.19
19.0-20.0	295.9	10.8	116.3	1.25	13.44
20.0-21.0	293.5	11.3	127.5	1.30	14.75
21.0-22.0	290.6	11.7	139.2	1.35	16.10
22.0-23.0	288.1	12.1	151.3	1.40	17.49
23.0-24.0	285.4	12.5	163.8	1.44	18.94
24.0-25.0	282.7	12.9	176.6	1.49	20.42
25.0-26.0	279.7	13.2	189.8	1.53	21.95
26.0-27.0	276.6	13.5	203.4	1.56	23.51
27.0-28.0	273.3	13.8	217.2	1.60	25.11
28.0-29.0	269.7	14.1	231.3	1.63	26.75
29.0-30.0	266.4	14.4	245.7	1.66	28.41
30.0-31.0	263.1	14.6	260.4	1.69	30.10
31.0-32.0	259.3	14.9	275.2	1.72	31.82
32.0-33.0	255.6	15.1	290.3	1.74	33.56
33.0-34.0	251.8	15.2	305.5	1.76	35.32
34.0-35.0	247.7	15.4	320.9	1.78	37.10
35.0-36.0	243.6	15.5	336.4	1.79	38.90

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 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	239.8	15.6	352.1	1.81	40.71
37.0-38.0	235.6	15.7	367.8	1.82	42.52
38.0-39.0	231.4	15.8	383.6	1.83	44.35
39.0-40.0	227.0	15.8	399.4	1.83	46.18
40.0-41.0	222.3	15.8	415.2	1.83	48.01
41.0-42.0	218.0	15.8	431.1	1.83	49.84
42.0-43.0	213.4	15.8	446.9	1.83	51.67
43.0-44.0	208.7	15.8	462.7	1.82	53.49
44.0-45.0	204.3	15.7	478.4	1.82	55.31
45.0-46.0	199.5	15.6	494.0	1.80	57.11
46.0-47.0	194.8	15.5	509.4	1.79	58.90
47.0-48.0	189.9	15.4	524.8	1.78	60.68
48.0-49.0	185.0	15.2	540.0	1.76	62.44
49.0-50.0	180.3	15.0	555.0	1.74	64.17
50.0-51.0	175.2	14.8	569.9	1.71	65.89
51.0-52.0	170.2	14.6	584.5	1.69	67.58
52.0-53.0	165.3	14.4	598.8	1.66	69.24
53.0-54.0	160.3	14.1	613.0	1.63	70.87
54.0-55.0	155.2	13.9	626.8	1.60	72.48
55.0-56.0	150.0	13.6	640.4	1.57	74.04
56.0-57.0	144.9	13.2	653.6	1.53	75.57
57.0-58.0	140.0	12.9	666.6	1.50	77.07
58.0-59.0	134.8	12.6	679.2	1.46	78.53
59.0-60.0	129.6	12.2	691.4	1.42	79.94
60.0-61.0	124.6	11.9	703.3	1.37	81.32
61.0-62.0	119.5	11.5	714.8	1.33	82.65
62.0-63.0	114.4	11.1	726.0	1.29	83.94
63.0-64.0	109.2	10.7	736.7	1.24	85.18
64.0-65.0	104.1	10.3	747.0	1.19	86.37
65.0-66.0	99.2	9.9	756.9	1.14	87.51
66.0-67.0	94.1	9.5	766.3	1.09	88.61
67.0-68.0	89.1	9.0	775.4	1.04	89.65
68.0-69.0	84.1	8.6	784.0	0.99	90.64
69.0-70.0	79.2	8.1	792.1	0.94	91.58
70.0-71.0	74.5	7.7	799.8	0.89	92.47
71.0-72.0	69.6	7.2	807.0	0.84	93.31

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 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	64.8	6.8	813.8	0.78	94.09
73.0-74.0	60.2	6.3	820.1	0.73	94.83
74.0-75.0	55.6	5.9	826.0	0.68	95.51
75.0-76.0	51.2	5.4	831.4	0.63	96.13
76.0-77.0	46.7	5.0	836.4	0.58	96.71
77.0-78.0	42.3	4.5	841.0	0.52	97.23
78.0-79.0	38.2	4.1	845.1	0.47	97.71
79.0-80.0	34.1	3.7	848.7	0.42	98.13
80.0-81.0	30.0	3.2	852.0	0.38	98.51
81.0-82.0	26.2	2.8	854.8	0.33	98.84
82.0-83.0	22.4	2.4	857.3	0.28	99.12
83.0-84.0	18.9	2.1	859.3	0.24	99.36
84.0-85.0	15.4	1.7	861.0	0.19	99.55
85.0-86.0	12.1	1.3	862.3	0.15	99.70
86.0-87.0	9.3	1.0	863.3	0.12	99.82
87.0-88.0	6.8	0.7	864.1	0.09	99.91
88.0-89.0	4.6	0.5	864.6	0.06	99.96
89.0-90.0	2.8	0.3	864.9	0.04	100.00

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector:

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	319.7	318.8	319.1	319.5	319.6	318.5	319.7	318.8	319.1	319.5
G1.0	318.3	319.8	318.2	318.2	319.5	319.2	319.5	318.7	320.6	318.5
G2.0	318.5	318.8	317.6	318.0	318.2	318.4	318.3	318.9	319.6	319.9
G3.0	318.2	317.0	317.1	317.5	319.2	317.2	318.2	319.2	319.9	320.1
G4.0	317.6	315.4	315.5	316.3	317.4	317.6	318.2	318.8	321.9	319.7
G5.0	316.5	316.0	314.6	315.4	315.8	317.3	317.7	319.4	319.2	319.6
G6.0	314.1	315.1	314.3	314.1	314.9	316.1	318.1	317.3	319.7	320.2
G7.0	313.6	313.1	312.9	313.8	314.6	315.6	317.7	318.2	319.1	319.3
G8.0	314.0	312.3	311.7	312.1	313.0	315.2	315.5	316.8	318.8	317.3
G9.0	313.0	310.9	310.2	310.2	311.5	313.3	315.7	317.9	318.0	318.3
G10.0	310.9	309.4	307.9	309.2	310.2	312.6	313.8	316.0	317.0	317.6
G11.0	309.9	307.6	307.1	306.4	308.4	311.9	312.8	314.3	316.0	316.9
G12.0	307.7	305.7	305.0	304.5	307.3	309.2	311.0	313.3	315.8	314.1
G13.0	307.6	304.1	303.2	303.8	305.4	307.2	310.1	313.0	315.2	313.6
G14.0	304.3	303.0	301.1	301.2	303.4	306.1	308.9	310.8	313.5	313.0
G15.0	303.0	300.5	298.5	298.5	301.7	303.1	307.3	310.4	312.0	312.6
G16.0	301.1	298.3	296.1	297.0	299.1	302.2	304.8	309.5	311.2	310.4
G17.0	298.1	295.3	293.7	293.7	296.3	299.1	303.7	307.6	308.7	309.5
G18.0	295.5	292.9	291.9	290.7	293.6	297.2	302.0	305.5	307.0	306.1
G19.0	294.6	289.6	288.9	289.0	291.0	294.5	298.7	302.7	304.9	305.0
G20.0	291.0	288.5	286.0	286.8	289.5	293.1	297.1	301.2	304.1	304.2
G21.0	289.1	284.9	282.1	283.1	285.7	289.4	295.0	298.6	302.1	300.7
G22.0	286.5	281.6	279.6	280.3	283.8	286.3	292.4	296.6	298.9	298.3
G23.0	283.0	277.9	276.2	277.9	280.7	285.9	290.8	294.5	295.5	297.3
G24.0	280.0	274.9	273.2	274.3	277.6	282.3	288.3	292.0	294.1	293.4
G25.0	276.8	272.9	270.3	270.8	274.9	278.6	284.2	289.4	292.7	291.9
G26.0	273.8	269.0	267.1	267.6	271.2	275.8	281.1	287.7	289.8	289.3
G27.0	270.2	265.9	262.6	263.0	267.5	273.6	278.5	283.8	287.0	286.5
G28.0	267.5	261.5	259.1	259.9	263.7	268.8	275.9	282.4	284.0	283.8
G29.0	262.9	257.2	256.1	256.1	260.1	265.2	272.4	277.7	280.5	279.5
G30.0	259.1	253.9	251.5	253.4	257.6	262.1	270.1	275.4	277.9	277.1
G31.0	255.9	250.3	247.4	249.0	253.8	259.0	266.3	271.8	275.3	273.8
G32.0	251.7	245.6	243.2	244.5	249.1	255.2	262.6	268.4	270.7	270.2
G33.0	248.2	242.3	239.2	240.9	244.3	251.1	258.9	264.9	268.1	267.9
G34.0	244.0	238.3	235.2	236.4	240.6	247.6	254.4	261.5	264.0	263.4
G35.0	239.2	233.4	230.0	233.0	235.7	243.5	251.8	257.2	260.8	259.7
G36.0	236.0	229.0	225.6	227.3	231.9	239.3	246.9	254.5	256.4	256.3

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600L

Distance: 6.935 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	231.2	224.1	222.2	222.9	228.8	235.9	243.3	251.4	253.6	253.6
G38.0	226.5	219.9	217.2	218.7	223.4	230.6	239.7	246.1	249.1	248.6
G39.0	222.5	215.8	212.7	214.4	218.8	227.9	236.0	242.1	246.0	245.6
G40.0	217.6	210.1	207.6	208.9	214.4	222.1	231.0	237.7	241.3	240.1
G41.0	213.4	205.5	203.3	204.7	210.0	218.3	226.6	233.5	236.8	236.3
G42.0	207.9	201.9	198.5	200.2	205.9	213.1	222.8	229.7	232.6	232.7
G43.0	203.4	195.6	193.3	194.4	200.3	208.9	218.5	224.6	228.5	227.2
G44.0	198.6	191.8	188.5	190.5	196.3	204.6	213.3	220.6	224.2	222.8
G45.0	194.3	186.2	184.1	184.8	191.6	199.4	209.0	216.3	220.8	219.4
G46.0	188.9	180.5	179.0	180.3	186.2	194.2	204.6	212.1	215.2	214.0
G47.0	183.8	176.6	173.9	175.8	182.1	190.4	200.1	207.4	211.5	209.6
G48.0	178.9	170.9	168.2	170.5	176.2	185.9	195.4	202.0	205.7	205.3
G49.0	174.4	166.5	164.1	165.6	172.1	180.3	190.3	197.3	201.8	200.6
G50.0	169.3	161.5	158.6	160.2	166.6	175.9	185.9	193.3	196.8	195.3
G51.0	163.7	156.0	154.2	155.2	161.6	170.8	180.7	188.3	191.6	189.9
G52.0	158.7	151.1	148.0	150.3	157.0	166.1	176.0	183.6	186.9	185.6
G53.0	154.0	145.8	143.5	144.4	152.0	160.8	171.1	179.3	181.6	181.1
G54.0	148.7	141.0	138.0	139.8	147.0	156.2	166.4	173.4	177.1	175.3
G55.0	143.2	135.6	132.9	134.8	141.8	150.7	161.3	168.4	172.7	170.8
G56.0	138.1	130.0	127.7	129.4	136.4	145.5	155.7	163.7	167.0	165.6
G57.0	132.8	125.1	122.3	124.0	131.7	140.7	151.2	159.3	162.0	160.8
G58.0	128.2	120.2	117.3	119.5	126.4	135.7	146.4	153.8	157.0	155.9
G59.0	122.8	114.6	111.7	114.0	121.3	130.3	141.1	148.0	151.7	150.3
G60.0	117.6	109.7	107.1	108.9	116.3	125.6	136.2	143.7	146.9	145.3
G61.0	113.1	104.2	102.2	104.0	111.2	120.2	130.6	138.4	141.1	140.4
G62.0	107.3	99.8	96.1	99.0	106.0	115.3	126.0	133.4	136.4	135.3
G63.0	102.5	94.7	91.8	93.7	101.3	110.2	121.0	128.3	131.5	129.5
G64.0	97.1	89.1	86.7	89.0	95.5	105.1	115.6	122.5	125.6	124.6
G65.0	92.4	84.1	81.3	84.1	91.1	100.3	111.0	118.1	121.0	119.4
G66.0	87.4	79.5	76.7	79.2	86.0	95.7	105.9	113.0	116.1	114.6
G67.0	82.3	74.4	71.6	74.1	80.8	90.4	100.4	107.2	110.6	109.0
G68.0	77.3	69.6	66.9	69.3	76.0	85.5	96.1	102.9	105.3	103.9
G69.0	72.2	64.5	61.6	64.4	71.4	80.6	90.4	97.7	100.4	98.9
G70.0	67.7	60.0	57.1	59.6	66.5	75.9	85.9	92.8	95.7	94.0
G71.0	63.0	55.4	52.7	55.0	62.3	71.4	81.2	87.7	90.4	89.0
G72.0	58.3	50.9	47.8	50.2	56.8	66.3	76.3	82.4	85.5	83.6
G73.0	53.7	46.3	43.7	46.1	52.9	61.7	71.2	77.8	80.3	78.9

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600L

Distance: 6.935 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	49.3	41.9	39.3	41.3	48.7	57.0	66.4	73.7	75.0	74.2
G75.0	45.0	37.7	35.2	37.3	44.1	52.7	61.8	68.0	70.6	69.1
G76.0	40.4	33.7	31.2	33.4	39.6	48.3	57.4	63.4	65.7	64.6
G77.0	36.2	29.4	26.9	29.2	35.5	43.5	52.6	58.8	61.0	59.4
G78.0	32.1	25.7	23.4	25.5	31.5	39.3	48.0	54.1	56.2	54.9
G79.0	28.4	22.1	19.8	22.0	27.8	35.6	43.8	49.9	51.9	50.4
G80.0	24.2	18.3	16.1	18.2	23.7	31.3	39.5	44.9	47.0	45.5
G81.0	20.7	15.1	13.0	14.7	20.1	27.5	35.3	40.8	42.8	41.5
G82.0	17.3	11.6	9.8	11.4	16.8	23.5	31.1	36.8	38.3	37.1
G83.0	13.5	8.4	6.5	8.4	13.2	20.0	27.2	32.4	34.0	33.1
G84.0	10.4	5.6	3.9	5.6	9.9	16.6	23.6	28.7	30.3	29.0
G85.0	7.0	2.6	1.2	2.6	6.6	12.9	19.6	24.6	26.2	25.1
G86.0	3.9	0.3	0.0	0.4	3.8	9.8	16.1	20.9	22.5	21.1
G87.0	1.3	0.0	0.0	0.0	1.1	6.7	12.8	17.5	18.9	16.9
G88.0	0.0	0.0	0.0	0.0	0.0	3.5	9.5	13.7	14.6	12.1
G89.0	0.0	0.0	0.0	0.0	0.0	1.0	6.3	10.5	10.6	7.4
G90.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	7.4	6.6	3.3

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G0.0	319.6	318.5	319.7						
G1.0	319.7	318.6	318.3						
G2.0	321.1	320.0	318.5						
G3.0	320.5	319.5	318.2						
G4.0	319.3	317.7	317.6						
G5.0	318.4	317.5	316.5						
G6.0	320.0	317.9	314.1						
G7.0	319.7	317.6	313.6						
G8.0	316.3	316.1	314.0						
G9.0	316.7	314.6	313.0						
G10.0	316.2	312.9	310.9						
G11.0	315.0	312.7	309.9						
G12.0	313.9	311.0	307.7						
G13.0	313.8	310.9	307.6						
G14.0	310.4	308.6	304.3						
G15.0	309.6	307.7	303.0						
G16.0	307.9	304.6	301.1						
G17.0	307.0	302.6	298.1						
G18.0	304.2	300.9	295.5						
G19.0	303.0	299.1	294.6						
G20.0	300.5	297.6	291.0						
G21.0	298.5	293.8	289.1						
G22.0	295.5	292.4	286.5						
G23.0	293.3	289.0	283.0						
G24.0	291.5	287.1	280.0						
G25.0	288.8	283.7	276.8						
G26.0	284.4	280.8	273.8						
G27.0	282.6	278.4	270.2						
G28.0	279.9	273.2	267.5						
G29.0	276.0	270.5	262.9						
G30.0	273.2	267.6	259.1						
G31.0	269.8	263.2	255.9						
G32.0	266.4	260.6	251.7						
G33.0	263.6	256.6	248.2						
G34.0	259.6	252.6	244.0						
G35.0	254.6	248.5	239.2						
G36.0	251.5	244.4	236.0						

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G37.0	247.8	241.0	231.2						
G38.0	243.3	236.4	226.5						
G39.0	239.7	231.9	222.5						
G40.0	235.7	227.1	217.6						
G41.0	231.0	222.4	213.4						
G42.0	226.4	218.6	207.9						
G43.0	221.9	214.1	203.4						
G44.0	218.0	209.8	198.6						
G45.0	212.5	205.8	194.3						
G46.0	208.4	199.9	188.9						
G47.0	203.3	196.2	183.8						
G48.0	198.2	190.6	178.9						
G49.0	194.5	185.4	174.4						
G50.0	189.0	181.1	169.3						
G51.0	183.6	175.1	163.7						
G52.0	179.6	171.1	158.7						
G53.0	174.0	165.9	154.0						
G54.0	169.4	160.6	148.7						
G55.0	164.4	155.5	143.2						
G56.0	158.9	150.2	138.1						
G57.0	154.2	145.1	132.8						
G58.0	149.1	140.1	128.2						
G59.0	144.1	135.1	122.8						
G60.0	138.9	129.9	117.6						
G61.0	133.3	125.3	113.1						
G62.0	128.1	119.8	107.3						
G63.0	123.7	114.8	102.5						
G64.0	118.3	109.3	97.1						
G65.0	113.1	103.9	92.4						
G66.0	108.1	99.3	87.4						
G67.0	102.9	93.7	82.3						
G68.0	97.9	89.3	77.3						
G69.0	92.7	84.0	72.2						
G70.0	87.9	79.2	67.7						
G71.0	82.7	74.4	63.0						
G72.0	77.6	69.4	58.3						
G73.0	73.0	64.9	53.7						

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G74.0	67.9	60.4	49.3						
G75.0	63.2	55.5	45.0						
G76.0	58.9	50.8	40.4						
G77.0	53.7	46.4	36.2						
G78.0	49.2	41.9	32.1						
G79.0	45.1	38.0	28.4						
G80.0	40.7	33.5	24.2						
G81.0	36.5	29.6	20.7						
G82.0	32.2	25.7	17.3						
G83.0	28.3	21.8	13.5						
G84.0	24.5	18.0	10.4						
G85.0	20.6	14.3	7.0						
G86.0	17.2	11.0	3.9						
G87.0	13.4	7.7	1.3						
G88.0	9.2	4.5	0.0						
G89.0	5.7	1.6	0.0						
G90.0	2.9	0.0	0.0						

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector: