

Report No.:

Test Time: 2020-09-07 15:51

Luminaire Property

Luminaire Manufacturer: ASD Lighting Corp

Luminaire Description: ASD-LMPJBR-GB-6D12CC-BZ 3000K

Luminous Length (mm): 70

Luminous Width (mm): 70

Voltage: 120.3 V

Current: 0.097 A

Power: 11.42 W

Power Factor: 0.977

Photometric Results

CIE Class: Direct

Measurement Flux: 852.3 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 852.3 lm

Efficiency: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 159.8, 159.6, 159.5, 160.2

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 107.0, 107.0, 107.1, 107.3

Luminaire Efficacy Rating (LER): 74.68

Central Intensity: 320.6 cd

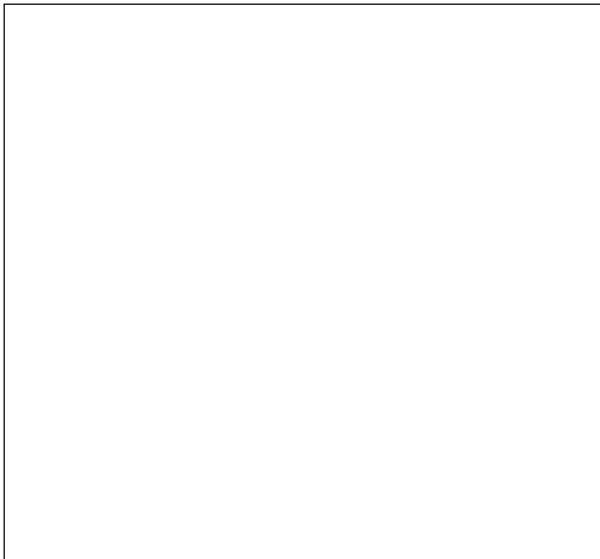
Max. Intensity: 320.61 cd

Pos of Max. Intensity: H0 V0

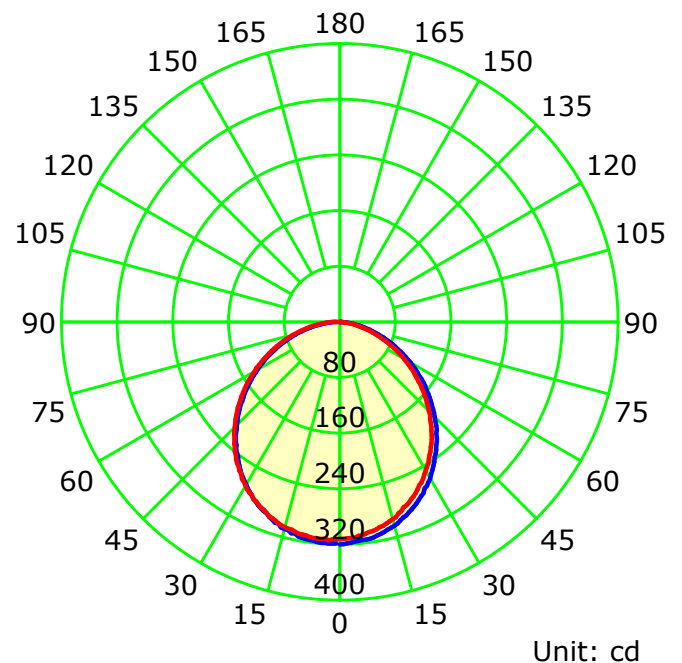
S/MH(C0/C180): 1.23

S/MH(C90/C270): 1.24

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:

Operator:

Gamma Plane (°):0.0-90.0:1.0

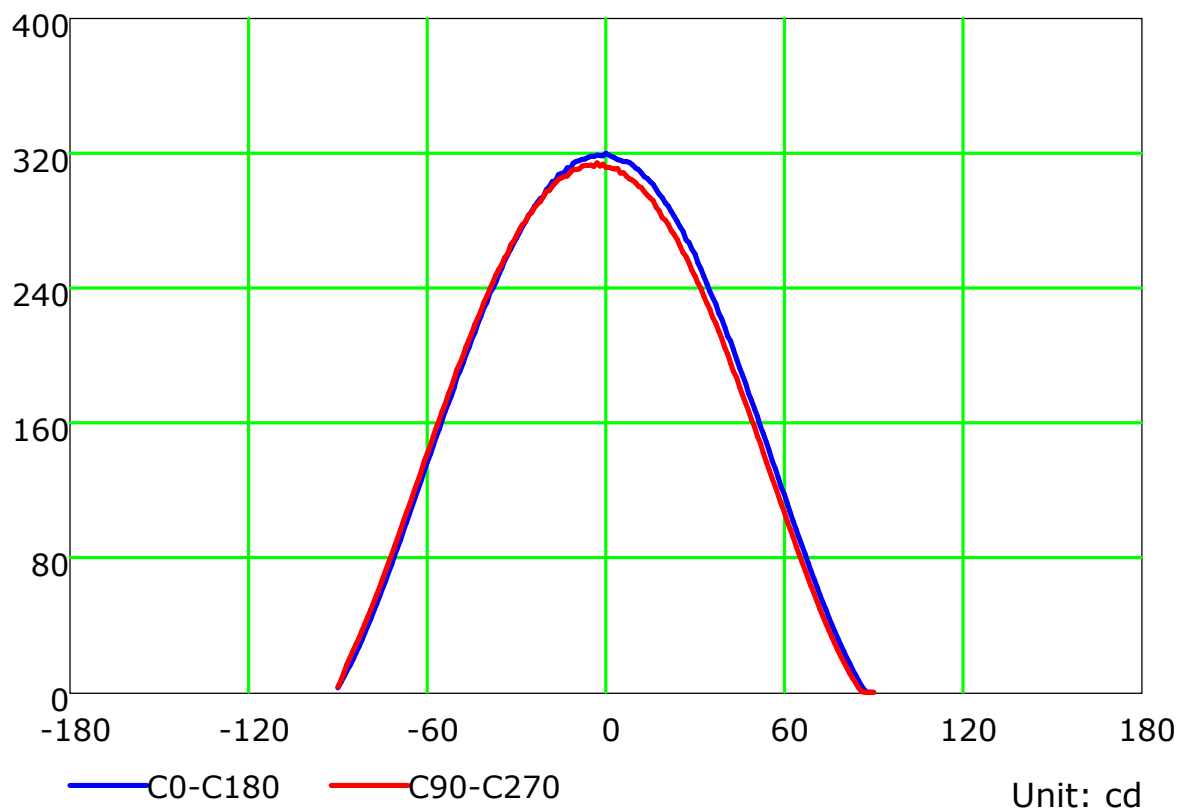
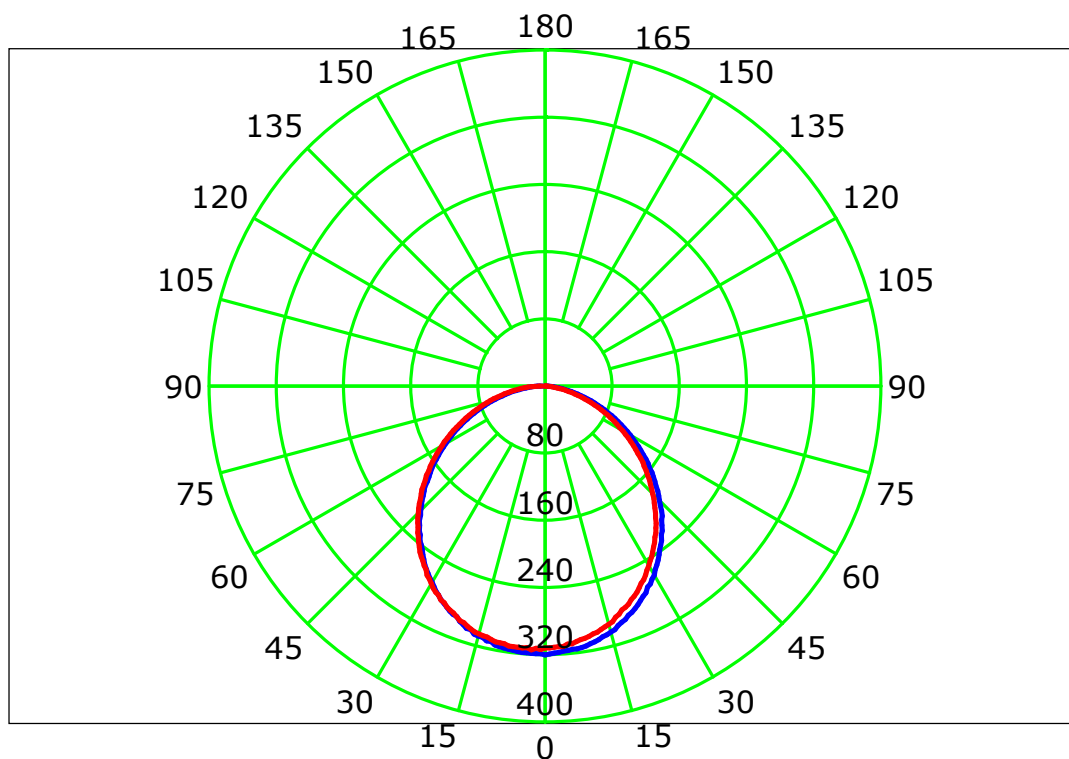
Test Device: GPM-1600L

Distance: 6.935 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve

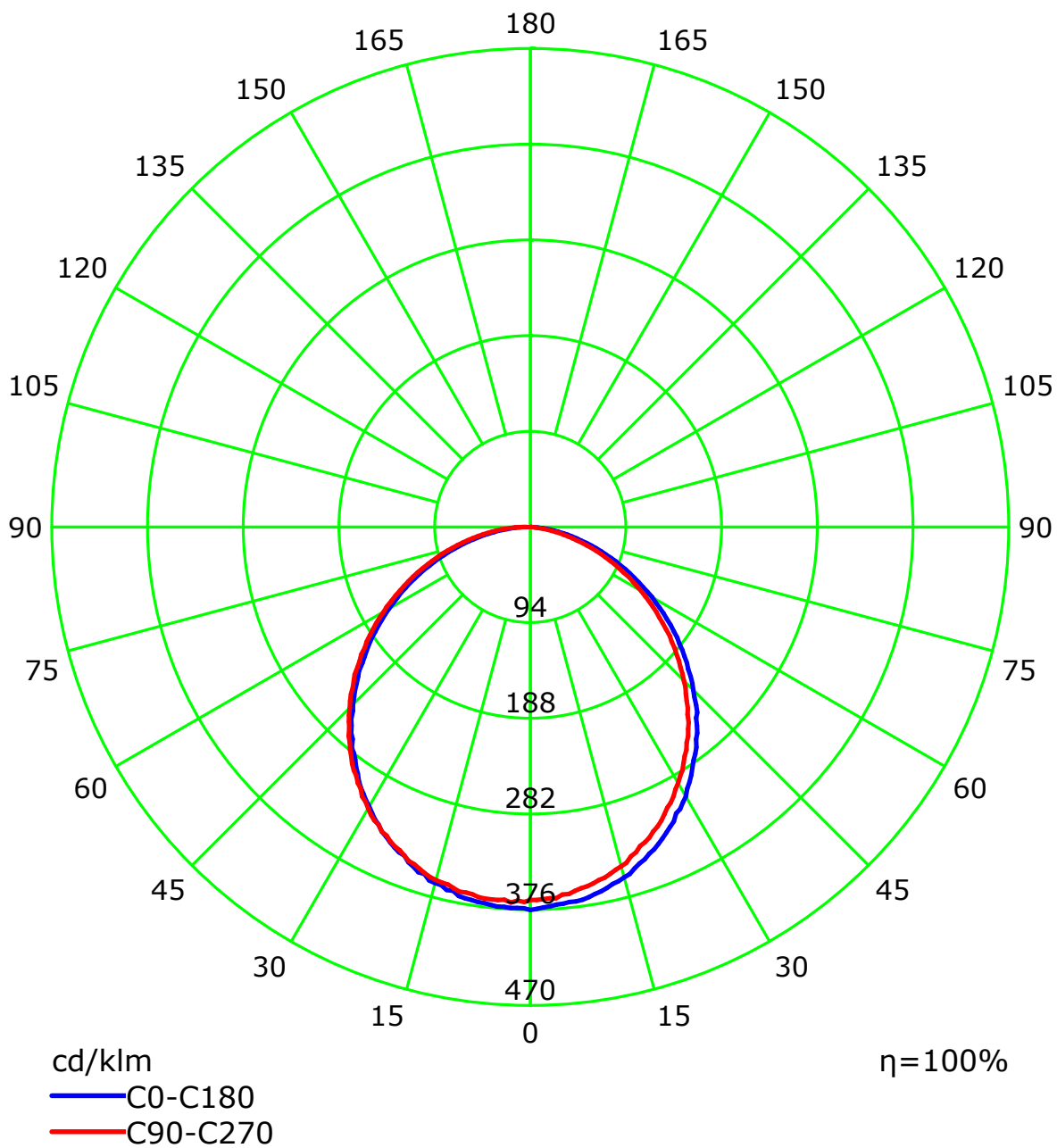


Unit: cd

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:

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

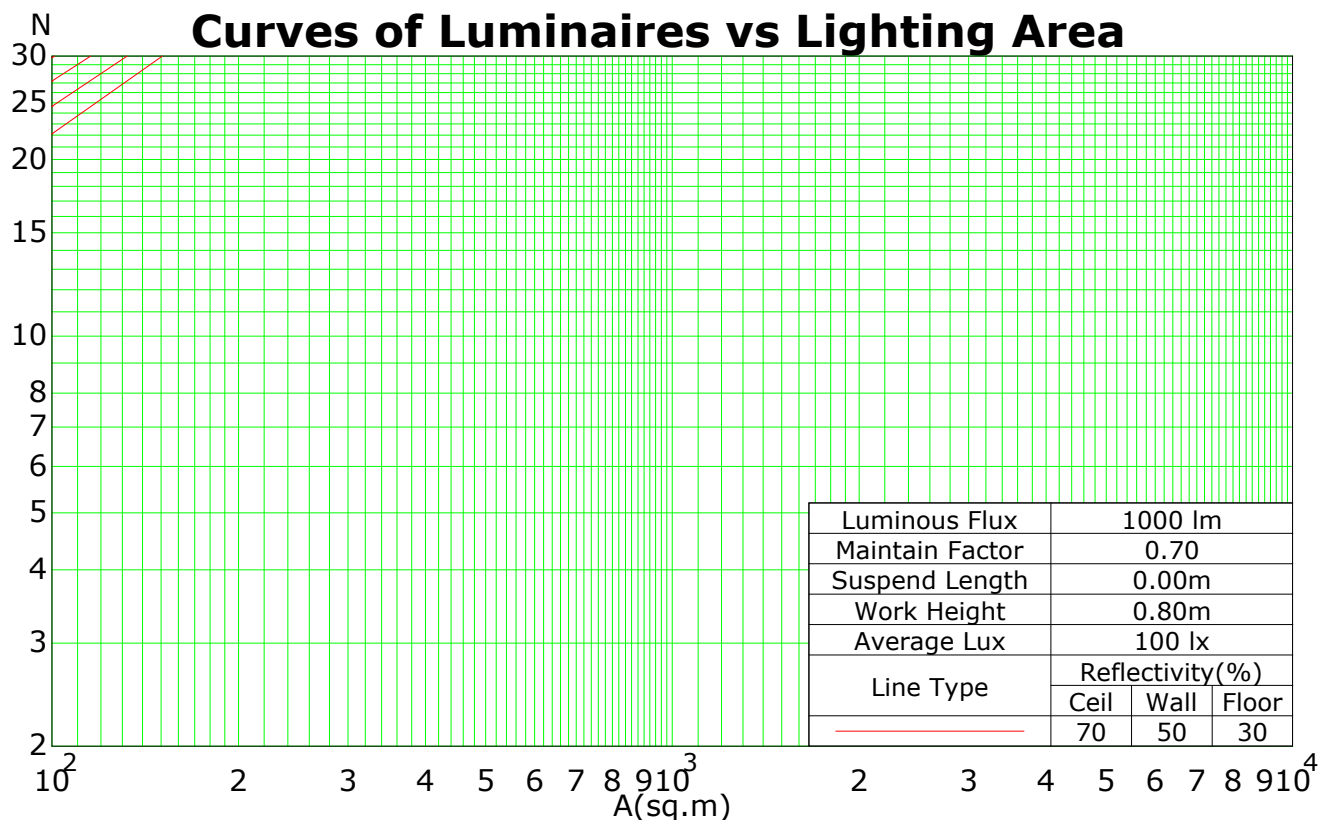
Humidity:

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	85	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	61	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

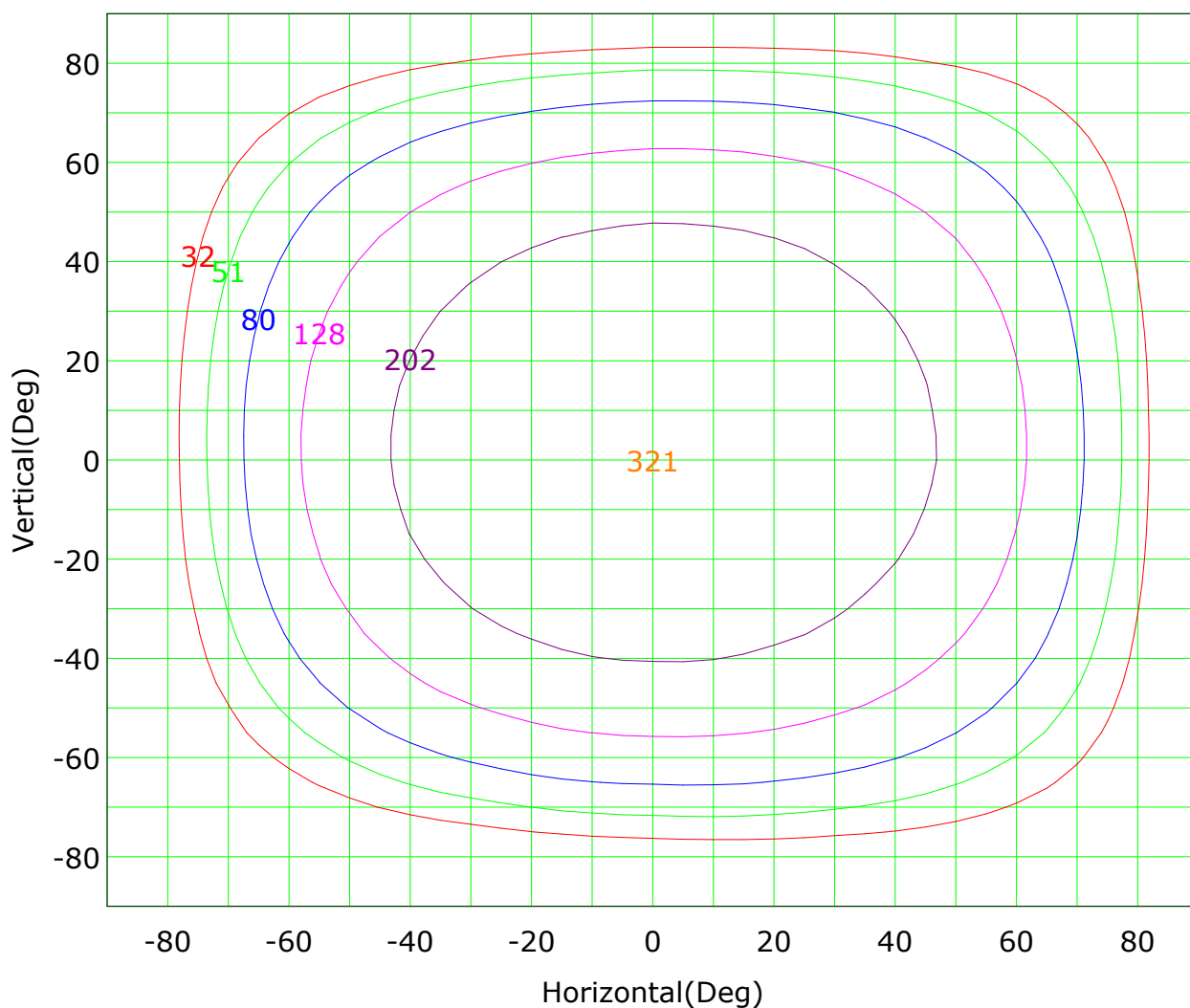
Spacing Criteria (0-180): 1.23
Spacing Criteria (90-270): 1.24
Spacing Criteria (Diagonal): 1.33



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%): 321 cd

(10%):	32 cd	(16%):	51 cd
(25%):	80 cd	(40%):	128 cd
(63%):	202 cd	(100%):	321 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

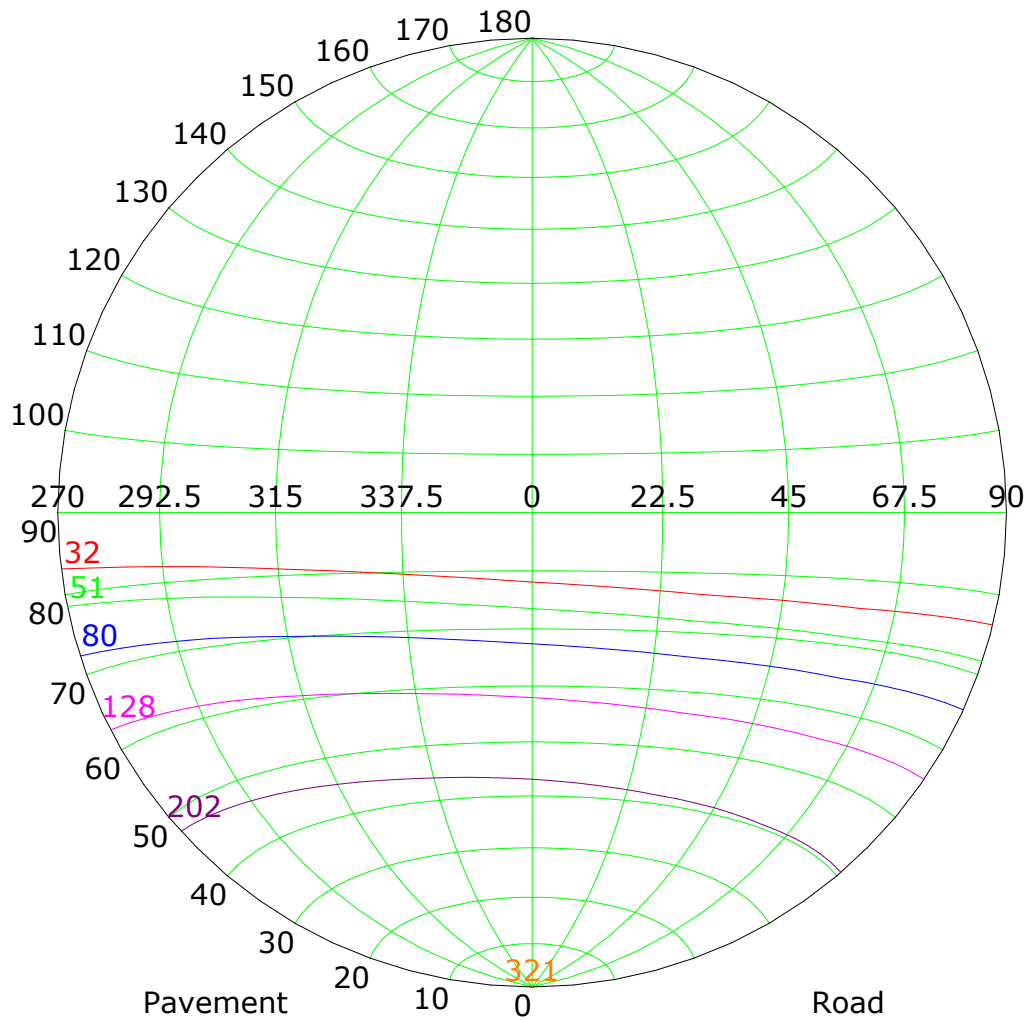
Test Device: GPM-1600L

Distance: 6.935 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 321 cd

(10%): 32 cd	(16%): 51 cd
(25%): 80 cd	(40%): 128 cd
(63%): 202 cd	(100%): 321 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

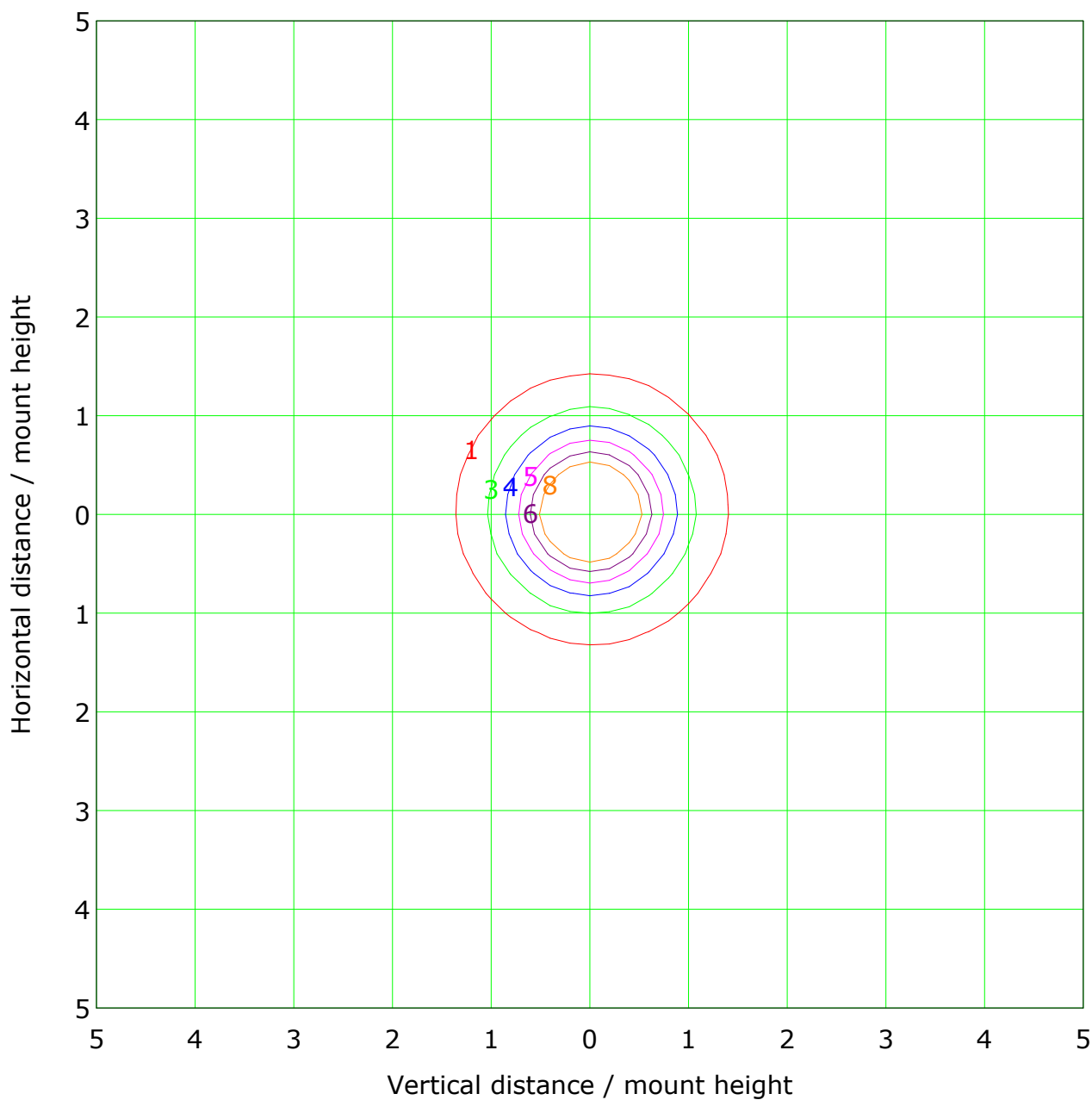
Test Device: GPM-1600L

Distance: 6.935 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 5.0m		Max Lux(100%): 12.8 lx	
— (10%):	1.3 lx	— (20%):	2.6 lx
— (30%):	3.8 lx	— (40%):	5.1 lx
— (50%):	6.4 lx	— (60%):	7.7 lx
— (100%):	12.8 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

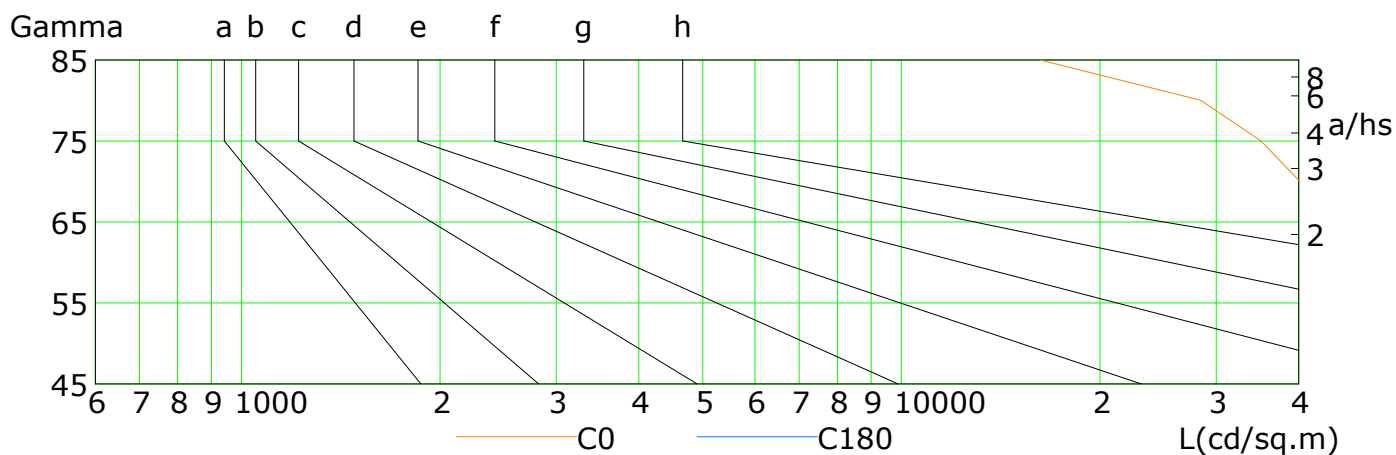
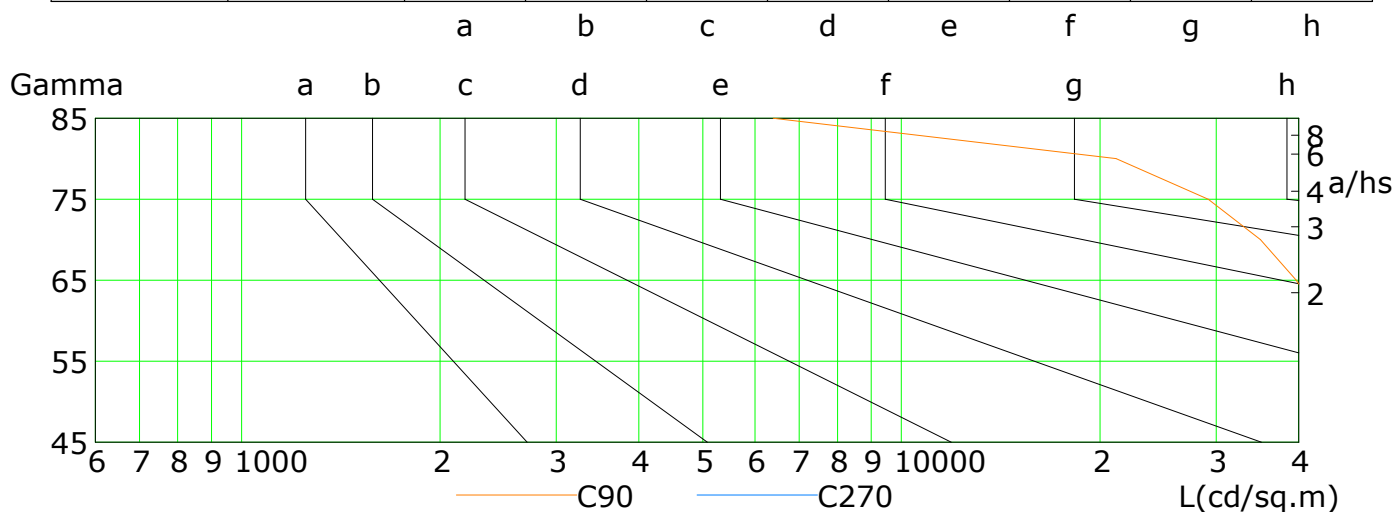
Distance: 6.935 m

Humidity:

Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
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

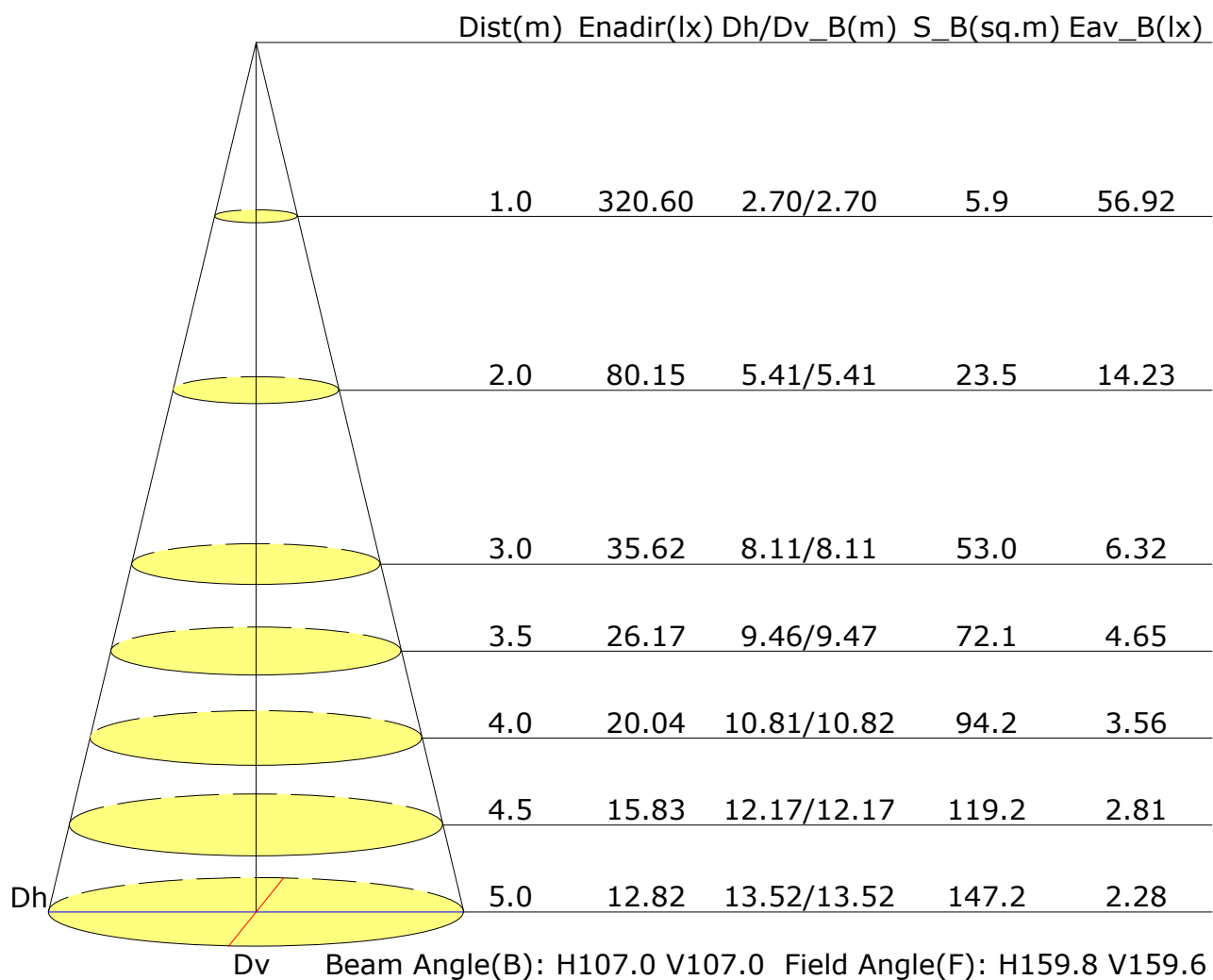


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	55726	53511	51033	48037	44398	40175	35073	28430	16227
C90	52441	50142	46956	43816	39680	35008	29175	21143	6392
C180	60719	59562	57722	55906	53819	51256	49022	46482	45825
C270	61772	61029	59558	57955	56359	54580	53414	52722	57603

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:

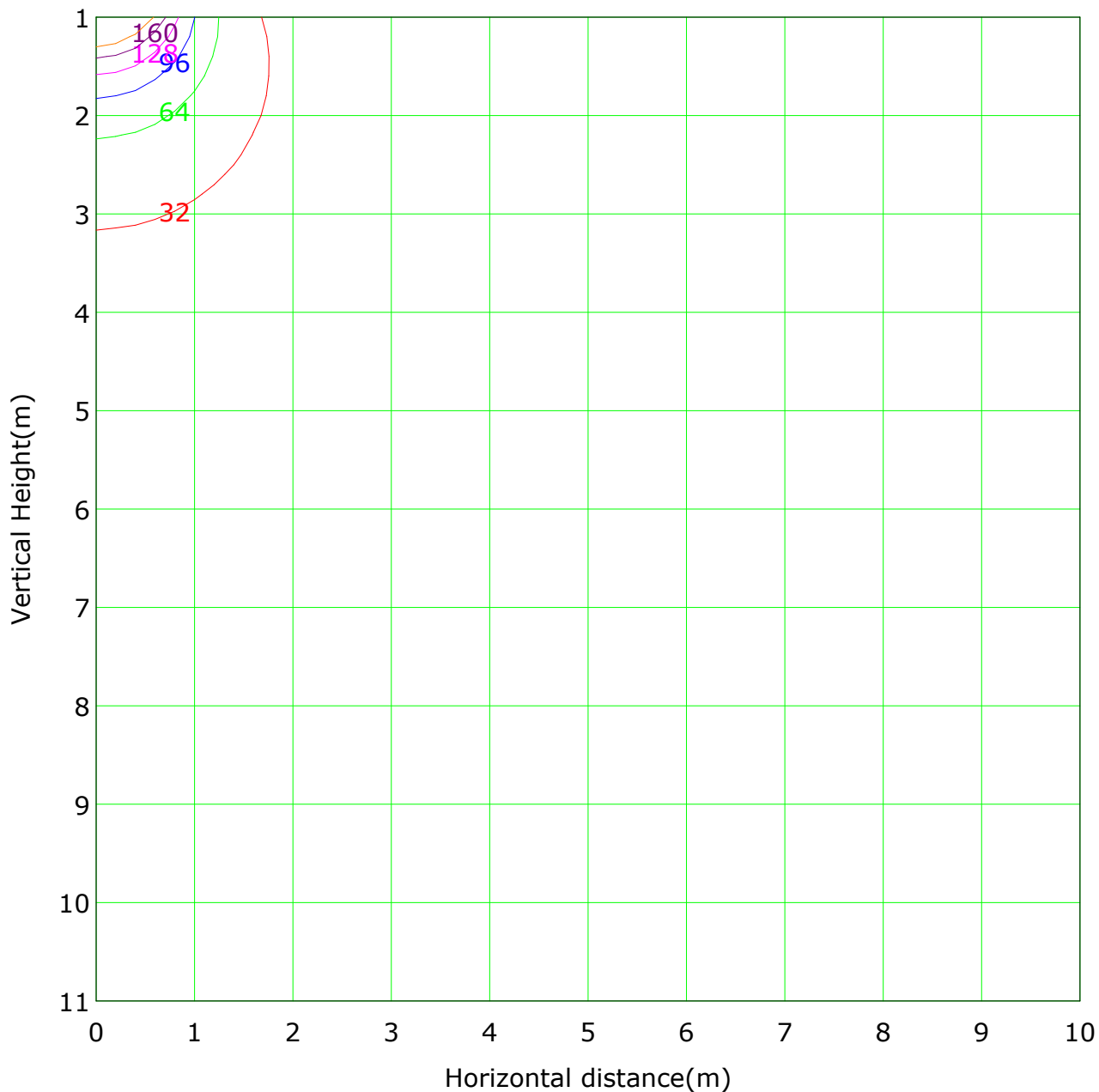
Illuminance at a Distance



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: 320.6 lx

— (10%): 32.1 lx	— (20%): 64.1 lx
— (30%): 96.2 lx	— (40%): 128.2 lx
— (50%): 160.3 lx	— (60%): 192.4 lx
— (100%): 320.6 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

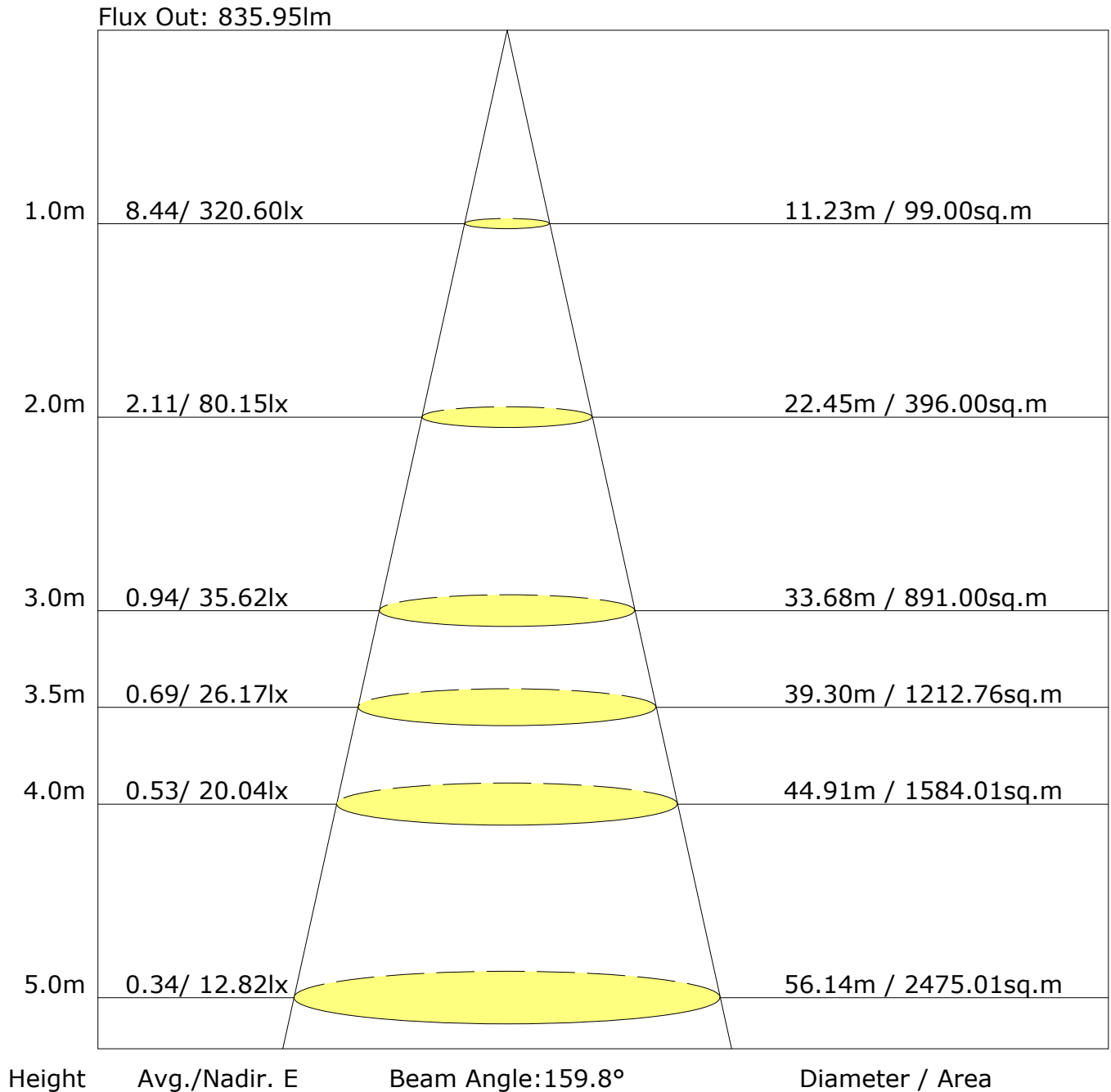
Unit: lm

Vertical plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
	0.0	0.1	0.2	0.3	0.4	0.6	0.7	0.7	0.7	0.7	0.6	0.5	0.4	0.3	0.1	0.1	0.0	0.0	6.5	1.9	
	0.0	0.1	0.4	0.7	1.0	1.4	1.7	2.0	2.1	2.0	1.8	1.6	1.2	0.8	0.5	0.2	0.1	0.0	17.6	16.3	
	0.0	0.2	0.6	1.1	1.7	2.4	2.9	3.3	3.5	3.5	3.2	2.7	2.1	1.5	0.9	0.4	0.1	0.0	30.3	29.8	
	0.0	0.3	0.8	1.5	2.4	3.3	4.2	4.8	5.0	5.0	4.6	3.9	3.1	2.1	1.3	0.6	0.2	0.0	43.2	42.9	
	0.1	0.4	1.0	1.9	3.1	4.2	5.3	6.1	6.5	6.4	5.9	5.0	3.9	2.8	1.7	0.8	0.2	0.0	55.3	55.1	
	0.1	0.4	1.2	2.3	3.6	5.0	6.3	7.2	7.7	7.6	7.0	6.0	4.7	3.3	2.0	1.0	0.3	0.0	65.8	65.6	
	0.1	0.5	1.3	2.6	4.1	5.7	7.1	8.1	8.6	8.6	7.9	6.8	5.3	3.7	2.3	1.1	0.3	0.0	73.9	73.8	
	0.1	0.5	1.4	2.7	4.4	6.1	7.6	8.7	9.2	9.1	8.5	7.3	5.7	4.0	2.4	1.2	0.4	0.0	79.3	79.2	
	0.1	0.5	1.4	2.8	4.5	6.3	7.8	9.0	9.5	9.4	8.8	7.6	5.9	4.2	2.5	1.2	0.4	0.0	82.0	81.9	
	0.1	0.5	1.4	2.8	4.4	6.2	7.7	8.8	9.3	9.4	8.7	7.5	5.9	4.1	2.5	1.2	0.4	0.0	80.9	80.8	
	0.1	0.5	1.4	2.6	4.2	5.8	7.2	8.2	8.8	8.8	8.2	7.1	5.5	3.9	2.3	1.1	0.3	0.0	76.0	75.9	
	0.1	0.4	1.2	2.4	3.7	5.2	6.5	7.5	8.0	8.0	7.4	6.4	5.0	3.5	2.1	1.0	0.3	0.0	68.6	68.4	
	0.1	0.4	1.1	2.0	3.2	4.5	5.6	6.4	6.9	6.8	6.3	5.4	4.2	2.9	1.8	0.8	0.3	0.0	58.7	58.5	
	0.0	0.3	0.9	1.7	2.6	3.6	4.5	5.2	5.5	5.5	5.0	4.3	3.4	2.3	1.4	0.7	0.2	0.0	47.0	46.7	
	0.0	0.2	0.7	1.2	1.9	2.7	3.3	3.8	4.0	4.0	3.7	3.1	2.4	1.7	1.0	0.5	0.1	0.0	34.3	33.9	
	0.0	0.2	0.4	0.8	1.3	1.7	2.1	2.4	2.5	2.5	2.3	1.9	1.5	1.0	0.6	0.3	0.1	0.0	21.5	20.6	
	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.1	1.2	1.1	1.0	0.8	0.6	0.4	0.2	0.1	0.0	0.0	9.9	5.6	
	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	5.6	15.6	30.1	47.4	65.5	81.6	93.4	99.3	98.5	91.1	77.9	60.9	42.6	25.6	12.2	3.7	0.3	852		
Flux(E)	0.2	4.7	14.7	29.2	46.6	64.6	80.8	92.6	98.4	97.7	90.2	77.1	60.0	41.7	24.7	11.3	2.5	0.0		837	
	-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																					

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

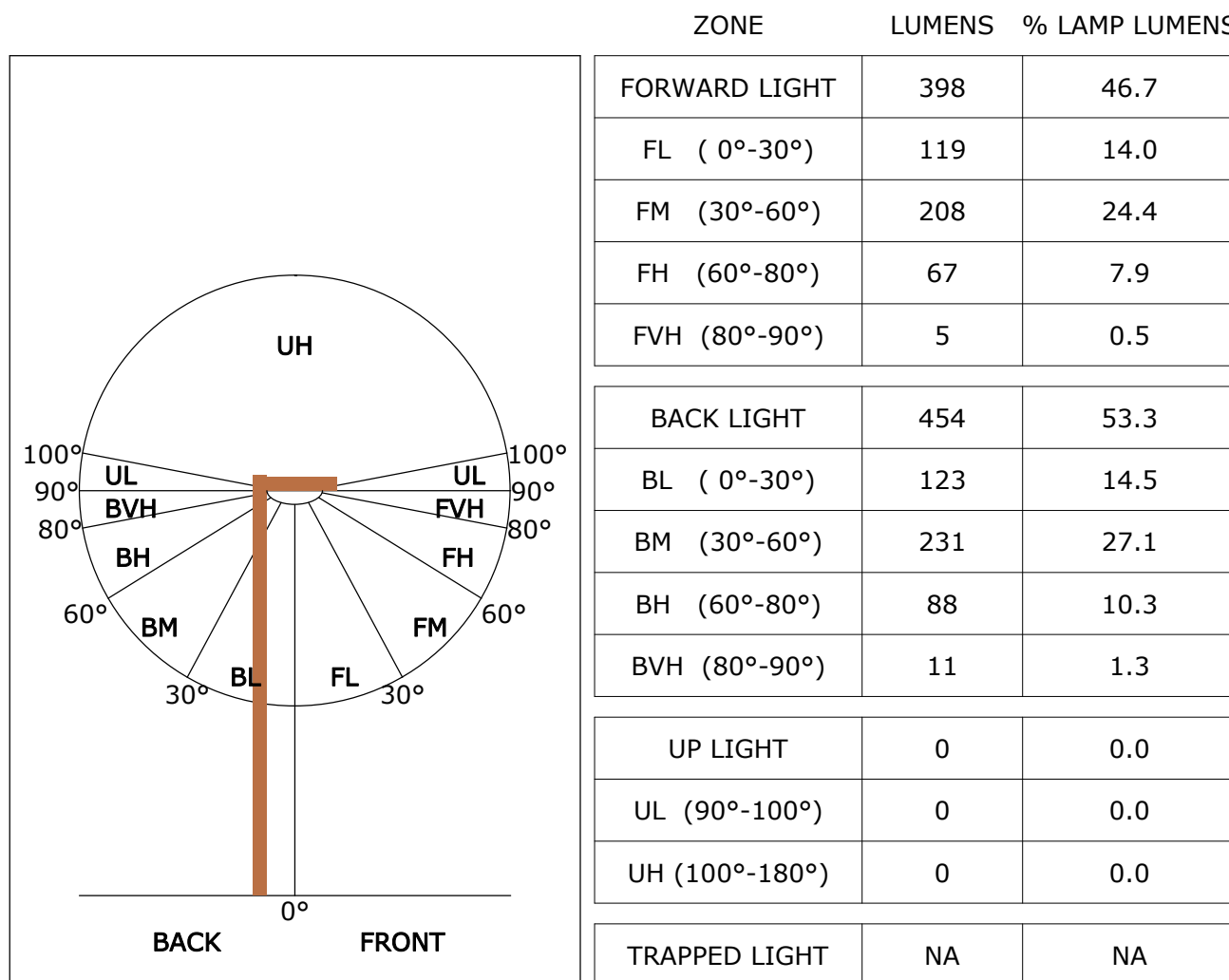
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	26.0	27.4	26.3	27.6	27.9	26.3	27.6	26.6	27.9	28.1
3H	27.4	28.6	27.7	28.9	29.1	27.7	29.0	28.1	29.3	29.5
4H	27.8	29.0	28.2	29.3	29.6	28.3	29.5	28.7	29.8	30.1
6H	28.2	29.3	28.5	29.6	29.9	28.8	29.9	29.2	30.2	30.5
8H	28.2	29.3	28.6	29.6	29.9	29.0	30.1	29.4	30.4	30.7
12H	28.2	29.3	28.6	29.6	29.9	29.1	30.1	29.5	30.5	30.8
X=4H Y=2H	26.7	27.8	27.0	28.1	28.4	26.8	28.0	27.2	28.3	28.6
3H	28.2	29.2	28.6	29.5	29.9	28.5	29.5	28.9	29.9	30.2
4H	28.8	29.7	29.2	30.0	30.4	29.2	30.2	29.6	30.5	30.9
6H	29.2	30.0	29.6	30.4	30.8	29.8	30.6	30.3	31.0	31.4
8H	29.3	30.1	29.8	30.5	30.9	30.1	30.8	30.5	31.2	31.6
12H	29.4	30.0	29.8	30.5	30.9	30.3	30.9	30.7	31.4	31.8
X=8H Y=4H	29.1	29.8	29.5	30.2	30.6	29.5	30.2	29.9	30.6	31.0
6H	29.6	30.2	30.1	30.6	31.1	30.2	30.8	30.7	31.2	31.7
8H	29.8	30.3	30.3	30.8	31.3	30.5	31.1	31.0	31.5	32.0
12H	29.9	30.3	30.4	30.8	31.3	30.8	31.3	31.3	31.8	32.3
X=12H Y=4H	29.1	29.8	29.5	30.2	30.6	29.5	30.2	29.9	30.6	31.0
6H	29.7	30.2	30.2	30.7	31.1	30.3	30.8	30.7	31.2	31.7
8H	29.9	30.4	30.4	30.8	31.3	30.6	31.1	31.1	31.5	32.0
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.2/-0.2				
S=1.5H	+0.3/-0.5					+0.3/-0.5				
S=2.0H	+0.6/-1.0					+0.7/-1.1				

Calculate in accordance with CIE Pub.117. The table is revised with 852lm ($8\log(F/F_0) = -0.6$).

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

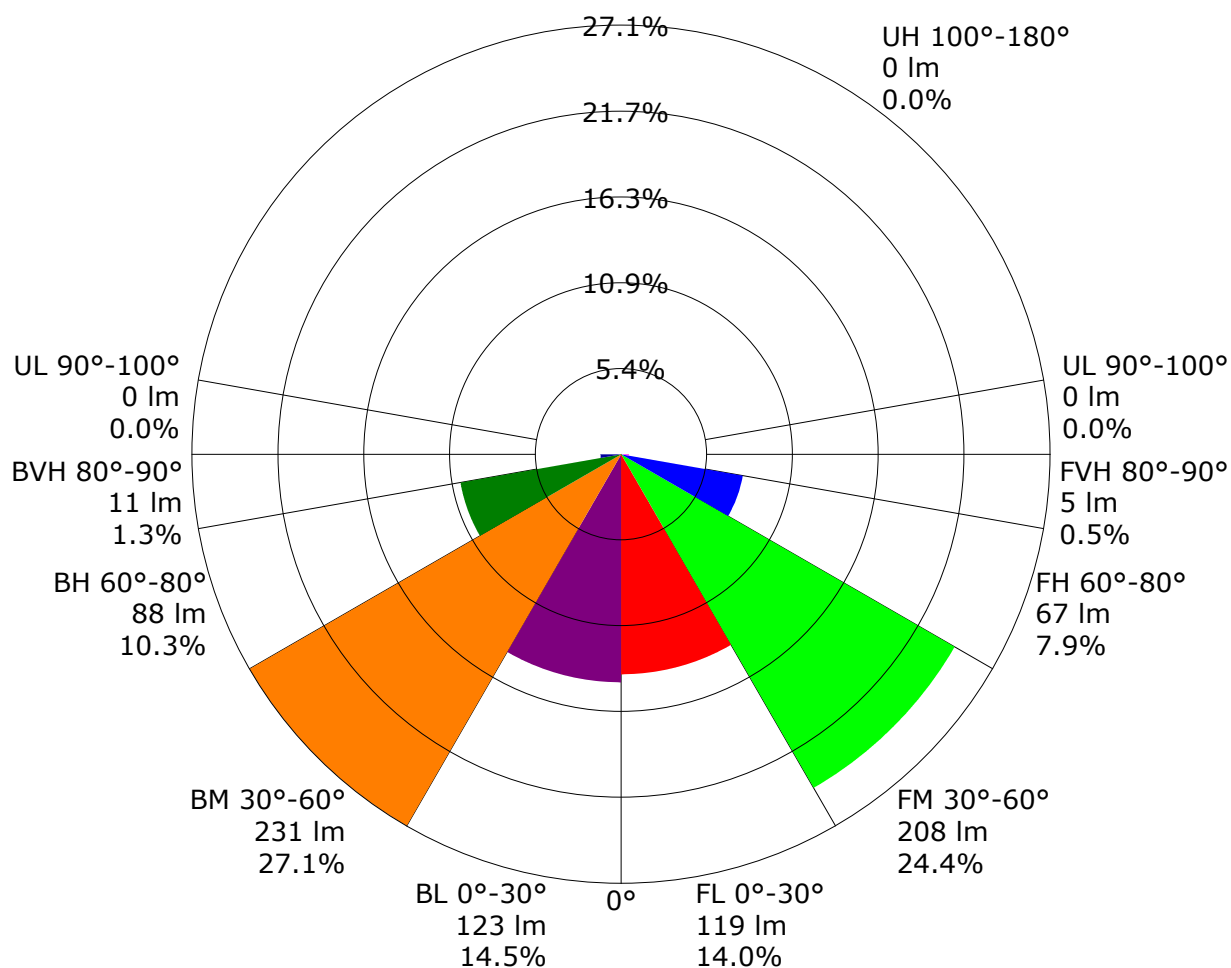


BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U1 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U1 G1

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	0.73	0.82	0.87	0.91	0.97	1.00	
	0.20		0.44	0.55	0.62	0.68	0.76	0.82	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	0.54	0.64	0.70	0.75	0.82	0.86	0.89	0.93	0.95	
	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	
Rating:11W 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:
 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	0.69	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		0.80	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	
Rating:11W 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:
 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	
Rating:11W 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:
 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	314.6	0.3	0.3	0.04	0.04
1.0-2.0	314.4	0.9	1.2	0.11	0.14
2.0-3.0	314.1	1.5	2.7	0.18	0.32
3.0-4.0	313.6	2.1	4.8	0.25	0.56
4.0-5.0	312.9	2.7	7.5	0.32	0.88
5.0-6.0	312.3	3.3	10.8	0.39	1.26
6.0-7.0	311.9	3.9	14.7	0.45	1.72
7.0-8.0	311.0	4.5	19.1	0.52	2.24
8.0-9.0	310.0	5.0	24.1	0.59	2.83
9.0-10.0	309.0	5.6	29.7	0.66	3.49
10.0-11.0	307.8	6.2	35.9	0.72	4.21
11.0-12.0	306.4	6.7	42.6	0.79	5.00
12.0-13.0	305.0	7.2	49.8	0.85	5.84
13.0-14.0	303.5	7.8	57.6	0.91	6.76
14.0-15.0	301.9	8.3	65.9	0.97	7.73
15.0-16.0	300.2	8.8	74.7	1.03	8.76
16.0-17.0	298.2	9.3	84.0	1.09	9.85
17.0-18.0	295.9	9.8	93.7	1.14	11.00
18.0-19.0	293.7	10.2	103.9	1.20	12.19
19.0-20.0	291.5	10.7	114.6	1.25	13.45
20.0-21.0	289.1	11.1	125.7	1.30	14.75
21.0-22.0	286.4	11.5	137.2	1.35	16.10
22.0-23.0	283.9	11.9	149.1	1.40	17.50
23.0-24.0	281.2	12.3	161.4	1.44	18.94
24.0-25.0	278.4	12.7	174.1	1.49	20.43
25.0-26.0	275.5	13.0	187.1	1.53	21.95
26.0-27.0	272.3	13.3	200.4	1.56	23.51
27.0-28.0	269.1	13.6	214.0	1.60	25.11
28.0-29.0	266.1	13.9	228.0	1.63	26.75
29.0-30.0	262.7	14.2	242.1	1.66	28.41
30.0-31.0	259.2	14.4	256.6	1.69	30.10
31.0-32.0	255.7	14.7	271.2	1.72	31.82
32.0-33.0	252.0	14.8	286.1	1.74	33.56
33.0-34.0	248.1	15.0	301.1	1.76	35.33
34.0-35.0	244.1	15.2	316.3	1.78	37.11
35.0-36.0	240.1	15.3	331.5	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	236.3	15.4	347.0	1.81	40.71
37.0-38.0	232.1	15.5	362.4	1.82	42.53
38.0-39.0	227.9	15.6	378.0	1.83	44.35
39.0-40.0	223.8	15.6	393.6	1.83	46.18
40.0-41.0	219.3	15.6	409.2	1.83	48.02
41.0-42.0	214.9	15.6	424.8	1.83	49.85
42.0-43.0	210.4	15.6	440.4	1.83	51.68
43.0-44.0	205.8	15.5	456.0	1.82	53.50
44.0-45.0	201.1	15.5	471.4	1.81	55.31
45.0-46.0	196.5	15.4	486.8	1.80	57.12
46.0-47.0	191.9	15.3	502.1	1.79	58.91
47.0-48.0	187.0	15.1	517.2	1.77	60.68
48.0-49.0	182.1	15.0	532.1	1.75	62.44
49.0-50.0	177.5	14.8	546.9	1.74	64.17
50.0-51.0	172.5	14.6	561.5	1.71	65.89
51.0-52.0	167.6	14.4	575.9	1.69	67.57
52.0-53.0	162.8	14.2	590.1	1.66	69.24
53.0-54.0	157.8	13.9	604.0	1.63	70.87
54.0-55.0	152.8	13.6	617.6	1.60	72.47
55.0-56.0	147.8	13.4	631.0	1.57	74.03
56.0-57.0	142.7	13.1	644.0	1.53	75.57
57.0-58.0	137.8	12.7	656.8	1.50	77.06
58.0-59.0	132.8	12.4	669.2	1.46	78.52
59.0-60.0	127.8	12.1	681.3	1.42	79.93
60.0-61.0	122.8	11.7	693.0	1.37	81.31
61.0-62.0	117.6	11.3	704.3	1.33	82.64
62.0-63.0	112.7	11.0	715.3	1.29	83.93
63.0-64.0	107.7	10.6	725.9	1.24	85.17
64.0-65.0	102.6	10.2	736.0	1.19	86.36
65.0-66.0	97.8	9.8	745.8	1.14	87.50
66.0-67.0	92.8	9.3	755.1	1.09	88.60
67.0-68.0	87.9	8.9	764.0	1.04	89.64
68.0-69.0	83.0	8.5	772.5	0.99	90.63
69.0-70.0	78.0	8.0	780.5	0.94	91.57
70.0-71.0	73.3	7.6	788.1	0.89	92.46
71.0-72.0	68.5	7.1	795.2	0.84	93.30

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:

[illegible]

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	320.6	317.0	314.9	312.4	312.1	310.6	320.6	317.0	314.9	312.4
G1.0	319.8	316.5	314.1	312.4	312.5	311.6	319.2	316.6	314.2	314.2
G2.0	318.8	315.7	313.9	311.7	310.5	310.9	319.3	318.1	314.5	313.0
G3.0	318.1	315.0	312.2	311.4	310.3	309.9	319.5	317.9	314.6	315.0
G4.0	316.8	313.0	311.4	311.6	309.7	309.7	318.8	317.5	315.1	313.0
G5.0	316.6	313.4	310.1	308.9	309.6	308.0	319.1	315.1	314.5	313.6
G6.0	315.8	311.7	310.0	309.0	308.0	308.4	318.2	316.9	314.5	313.5
G7.0	315.8	311.7	308.5	307.0	307.9	307.7	317.3	315.7	314.5	313.4
G8.0	315.2	309.9	306.3	305.5	305.9	306.6	317.0	314.7	313.7	313.0
G9.0	313.9	308.4	305.3	304.7	304.7	306.2	316.3	313.1	313.9	311.4
G10.0	312.0	307.7	303.4	303.2	303.0	305.3	315.7	313.2	313.1	310.9
G11.0	310.9	306.1	301.9	301.0	301.7	301.9	314.8	312.3	311.3	311.0
G12.0	309.1	302.9	299.8	300.2	299.4	301.7	311.5	311.6	311.3	309.3
G13.0	306.9	301.5	299.4	297.9	297.9	299.9	312.1	311.3	309.1	307.2
G14.0	305.7	300.3	296.4	295.9	296.8	298.1	309.0	309.6	308.1	306.9
G15.0	303.8	298.3	293.7	294.0	294.4	296.7	308.6	307.5	306.6	306.1
G16.0	302.3	295.5	291.5	292.5	293.1	293.8	307.9	306.9	305.5	305.0
G17.0	298.9	292.3	289.4	288.4	290.8	292.9	303.9	304.7	304.8	303.0
G18.0	296.3	290.2	287.2	286.5	288.5	290.1	304.0	301.5	301.6	301.0
G19.0	294.4	286.6	285.9	282.5	284.6	288.3	300.9	300.3	300.0	298.6
G20.0	291.2	285.6	281.6	281.0	282.5	285.4	298.9	299.0	298.8	297.8
G21.0	289.2	281.8	278.4	278.4	279.0	283.2	294.7	297.2	297.2	294.9
G22.0	286.3	278.9	275.9	274.9	278.3	280.9	293.9	293.4	294.5	292.0
G23.0	283.4	276.9	272.2	272.5	273.6	277.6	291.6	291.9	292.6	290.6
G24.0	280.2	273.4	269.0	269.4	271.3	275.0	289.0	289.6	288.8	288.3
G25.0	277.0	269.8	266.2	265.5	267.7	273.0	286.0	286.7	287.4	285.3
G26.0	274.4	266.8	262.4	261.6	265.1	269.3	283.8	283.8	285.0	284.0
G27.0	269.2	262.8	257.4	259.2	261.4	265.9	280.0	281.6	282.2	280.0
G28.0	267.5	259.8	255.1	255.4	257.1	263.2	277.4	278.7	279.0	278.4
G29.0	263.5	256.4	250.8	251.0	255.4	258.3	273.9	275.7	277.0	275.5
G30.0	260.7	252.0	247.6	247.6	250.9	256.0	270.2	272.2	274.7	271.9
G31.0	255.4	247.7	243.9	243.5	246.8	253.2	267.2	270.1	271.3	268.4
G32.0	251.9	244.6	238.9	240.3	243.8	249.4	263.7	266.5	268.1	266.2
G33.0	247.6	240.4	236.2	235.8	239.1	244.9	260.5	262.5	264.3	261.2
G34.0	243.0	236.4	232.5	231.4	234.9	241.6	257.0	259.9	261.1	258.7
G35.0	238.4	231.6	227.1	227.9	230.8	237.5	252.3	254.6	256.9	254.4
G36.0	234.9	227.0	223.1	223.0	226.7	233.6	248.6	251.9	253.6	251.8

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	231.1	222.9	219.8	219.4	223.5	229.0	243.7	248.2	249.6	248.1
G38.0	225.5	218.0	213.9	214.9	218.6	225.5	240.4	244.0	244.8	243.7
G39.0	222.2	214.3	209.1	210.8	214.4	221.0	237.7	240.4	242.1	240.1
G40.0	217.2	210.0	204.7	205.0	209.6	217.7	231.9	235.7	238.1	235.5
G41.0	211.8	204.7	199.9	201.2	205.3	212.5	228.7	232.0	233.6	232.0
G42.0	208.9	199.8	195.9	195.8	201.3	208.3	223.8	228.1	229.5	227.0
G43.0	203.7	195.6	190.5	190.9	195.7	203.4	220.0	223.6	225.0	223.1
G44.0	198.0	190.1	186.1	187.2	191.1	200.2	214.1	219.4	221.9	219.0
G45.0	193.1	184.7	180.9	181.7	187.2	194.2	210.4	214.3	216.3	214.0
G46.0	188.8	180.5	176.4	177.0	182.0	190.3	205.3	209.5	213.1	209.9
G47.0	183.7	174.9	171.5	171.9	177.5	185.9	201.0	205.4	208.1	205.5
G48.0	177.9	169.9	166.3	167.6	172.6	180.6	195.9	200.2	202.8	200.2
G49.0	173.8	165.1	161.3	162.2	167.1	176.1	191.4	195.6	198.3	196.0
G50.0	168.5	160.5	156.4	157.9	162.9	170.8	187.6	190.6	193.9	192.2
G51.0	164.1	154.8	150.7	152.2	157.1	166.0	181.2	186.0	188.2	186.4
G52.0	158.4	150.1	146.1	148.3	153.3	161.6	176.1	181.7	184.7	181.5
G53.0	154.0	144.7	141.0	142.4	148.5	156.4	171.9	177.1	179.3	177.4
G54.0	148.6	140.2	135.2	137.1	143.2	152.0	167.3	171.3	174.5	171.5
G55.0	143.4	135.1	131.0	132.0	138.2	147.1	162.2	166.6	169.6	167.4
G56.0	137.7	128.9	125.5	127.3	133.0	142.1	156.8	161.6	164.9	162.4
G57.0	133.0	124.2	120.4	122.1	128.1	137.1	152.0	157.1	159.8	157.3
G58.0	127.7	119.7	115.2	117.1	123.4	132.2	146.9	151.7	154.9	152.4
G59.0	122.1	114.3	110.5	112.1	118.5	127.6	141.8	146.9	149.6	147.1
G60.0	117.7	109.2	105.3	107.3	112.9	122.0	137.0	142.1	145.4	142.0
G61.0	112.3	103.7	100.6	101.7	108.9	116.9	131.8	137.4	139.5	137.7
G62.0	107.0	98.3	95.3	97.2	103.1	112.9	126.4	131.9	134.2	131.9
G63.0	102.0	93.7	90.5	92.7	98.8	107.9	121.7	127.2	129.3	126.9
G64.0	96.9	88.8	85.2	86.8	93.7	102.7	116.4	121.7	124.7	121.9
G65.0	91.9	84.0	80.5	82.2	88.8	98.1	111.4	116.8	119.6	116.7
G66.0	87.2	79.0	75.7	77.6	84.1	93.3	106.6	111.8	114.8	111.9
G67.0	82.1	73.8	70.5	72.6	78.9	88.2	100.9	106.7	109.6	106.9
G68.0	77.2	69.2	66.1	68.0	74.5	83.7	96.4	102.1	104.8	102.1
G69.0	72.3	64.2	61.0	63.3	69.4	78.5	90.9	96.4	99.0	97.0
G70.0	67.3	60.0	56.7	58.7	65.0	73.9	85.9	91.5	94.0	91.5
G71.0	62.8	55.0	52.0	54.2	60.6	69.4	81.3	86.6	89.7	87.0
G72.0	58.0	50.3	47.1	49.7	55.9	64.5	76.0	81.7	83.8	81.9
G73.0	53.7	46.1	43.2	45.4	51.5	60.4	71.8	77.1	79.7	77.7

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:

Unit: 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:

Candlepower Table (Continue 3)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	312.1	310.6	320.6							
G1.0	313.3	310.9	319.8							
G2.0	312.5	310.6	318.8							
G3.0	313.4	310.8	318.1							
G4.0	311.4	310.4	316.8							
G5.0	311.4	310.2	316.6							
G6.0	310.5	309.4	315.8							
G7.0	310.1	309.3	315.8							
G8.0	309.9	308.5	315.2							
G9.0	309.8	307.1	313.9							
G10.0	308.7	306.0	312.0							
G11.0	307.1	304.8	310.9							
G12.0	307.4	304.3	309.1							
G13.0	305.8	302.3	306.9							
G14.0	304.8	301.4	305.7							
G15.0	302.6	299.6	303.8							
G16.0	301.4	298.3	302.3							
G17.0	299.9	295.0	298.9							
G18.0	298.1	292.9	296.3							
G19.0	295.8	292.0	294.4							
G20.0	293.5	289.8	291.2							
G21.0	291.9	286.9	289.2							
G22.0	289.3	283.6	286.3							
G23.0	286.4	282.2	283.4							
G24.0	284.5	278.7	280.2							
G25.0	282.5	277.3	277.0							
G26.0	279.1	273.2	274.4							
G27.0	276.1	270.9	269.2							
G28.0	273.1	268.0	267.5							
G29.0	270.2	264.8	263.5							
G30.0	267.2	260.1	260.7							
G31.0	263.8	257.7	255.4							
G32.0	260.9	253.5	251.9							
G33.0	257.3	249.3	247.6							
G34.0	252.5	246.6	243.0							
G35.0	250.3	241.9	238.4							
G36.0	246.2	237.6	234.9							

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 4)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	242.9	234.7	231.1							
G38.0	237.7	230.1	225.5							
G39.0	234.8	226.2	222.2							
G40.0	230.6	221.8	217.2							
G41.0	225.4	217.8	211.8							
G42.0	221.9	212.6	208.9							
G43.0	217.2	208.3	203.7							
G44.0	212.4	203.8	198.0							
G45.0	207.5	199.9	193.1							
G46.0	203.5	195.1	188.8							
G47.0	199.2	190.2	183.7							
G48.0	194.3	185.3	177.9							
G49.0	189.2	180.6	173.8							
G50.0	184.6	176.4	168.5							
G51.0	180.4	171.2	164.1							
G52.0	175.1	166.7	158.4							
G53.0	170.6	161.2	154.0							
G54.0	165.5	155.8	148.6							
G55.0	160.4	151.6	143.4							
G56.0	155.5	146.1	137.7							
G57.0	151.1	141.5	133.0							
G58.0	146.0	136.4	127.7							
G59.0	140.8	131.5	122.1							
G60.0	135.9	126.9	117.7							
G61.0	130.9	121.6	112.3							
G62.0	125.7	116.7	107.0							
G63.0	120.5	111.8	102.0							
G64.0	115.8	106.6	96.9							
G65.0	110.4	101.4	91.9							
G66.0	106.1	96.8	87.2							
G67.0	100.3	91.5	82.1							
G68.0	95.6	87.2	77.2							
G69.0	90.4	81.8	72.3							
G70.0	85.8	77.3	67.3							
G71.0	81.0	72.7	62.8							
G72.0	75.5	67.9	58.0							
G73.0	71.2	63.1	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:

Unit: 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: