

Report No.: 11

Test Time: 2015/10/15 16:43

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: LT-I1219-L108A6

Current: 0.089 A

Power Factor: 0.976

Voltage: 220 V

Power: 19 W

Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 1736.3 lm

Downward Ratio: 88%

Horizontal Diffuse Angle(25%,50%): H143,H113.6

Vertical Diffuse Angle(25%,50%): V204.9,V147.6

Luminaire Efficacy Rating (LER): 91

Max. Intensity: 435.93 cd

Total Rated Lamp Lumens: 1736.3 lm

Efficiency: 100%

Upward Ratio: 12%

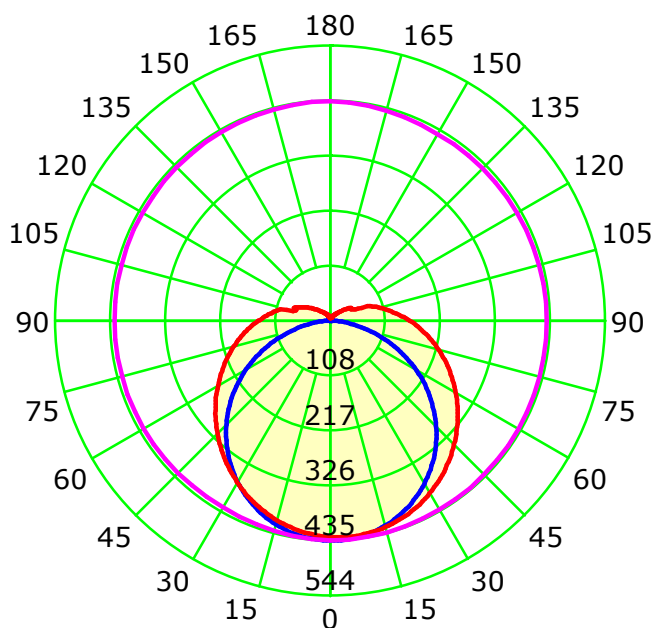
Central Intensity: 435.86 cd

Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 130.6° Unit: cd

— C0-C180 — C90-C270 — G1

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

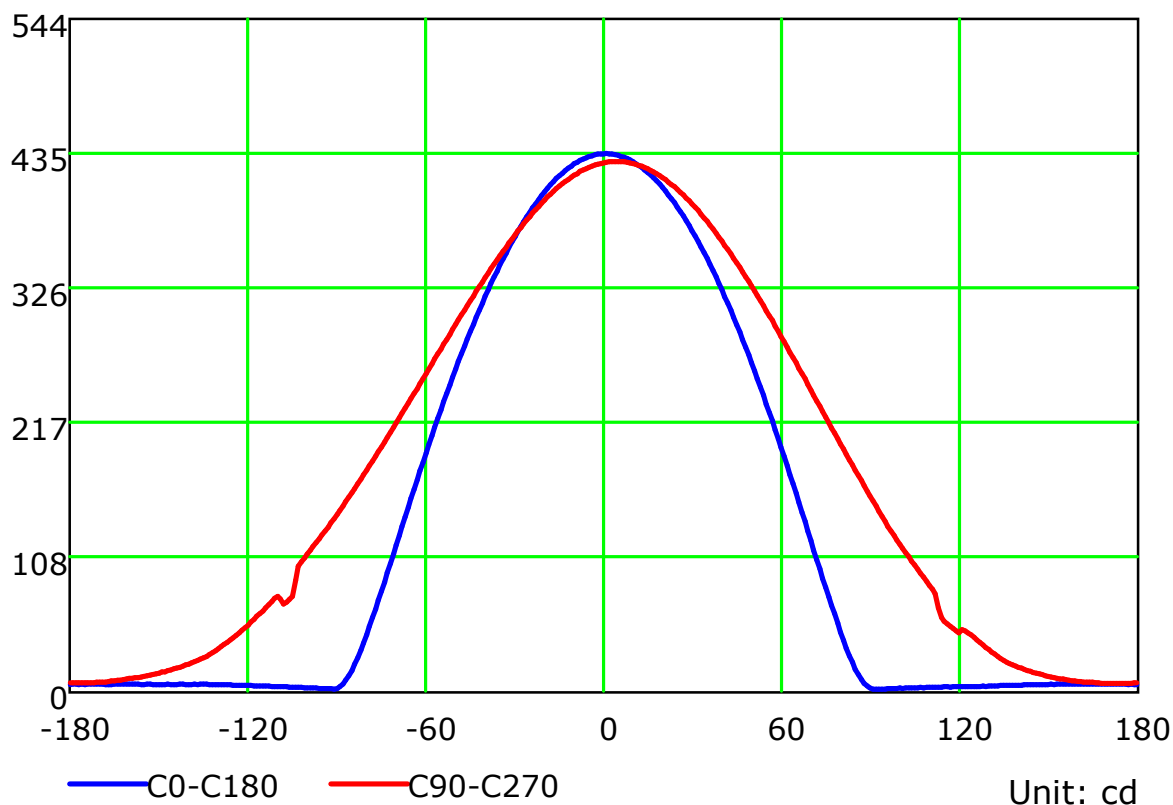
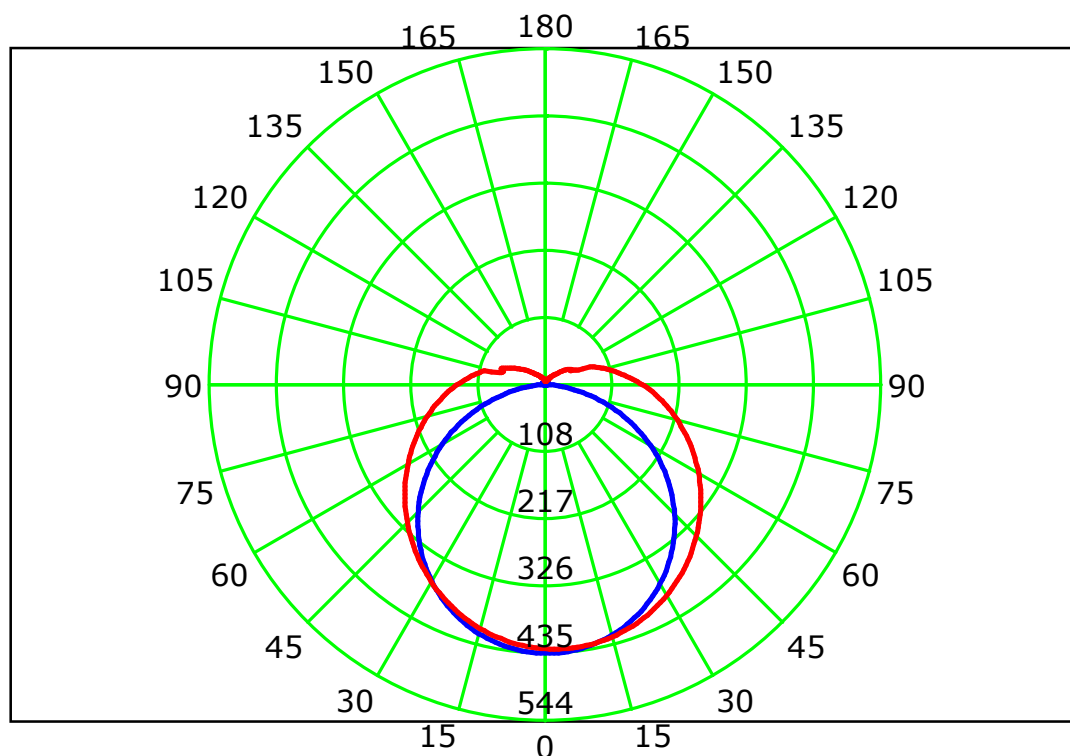
Test Device: GPM-1800B

Distance: 8.008 m

Humidity:

Inspector:

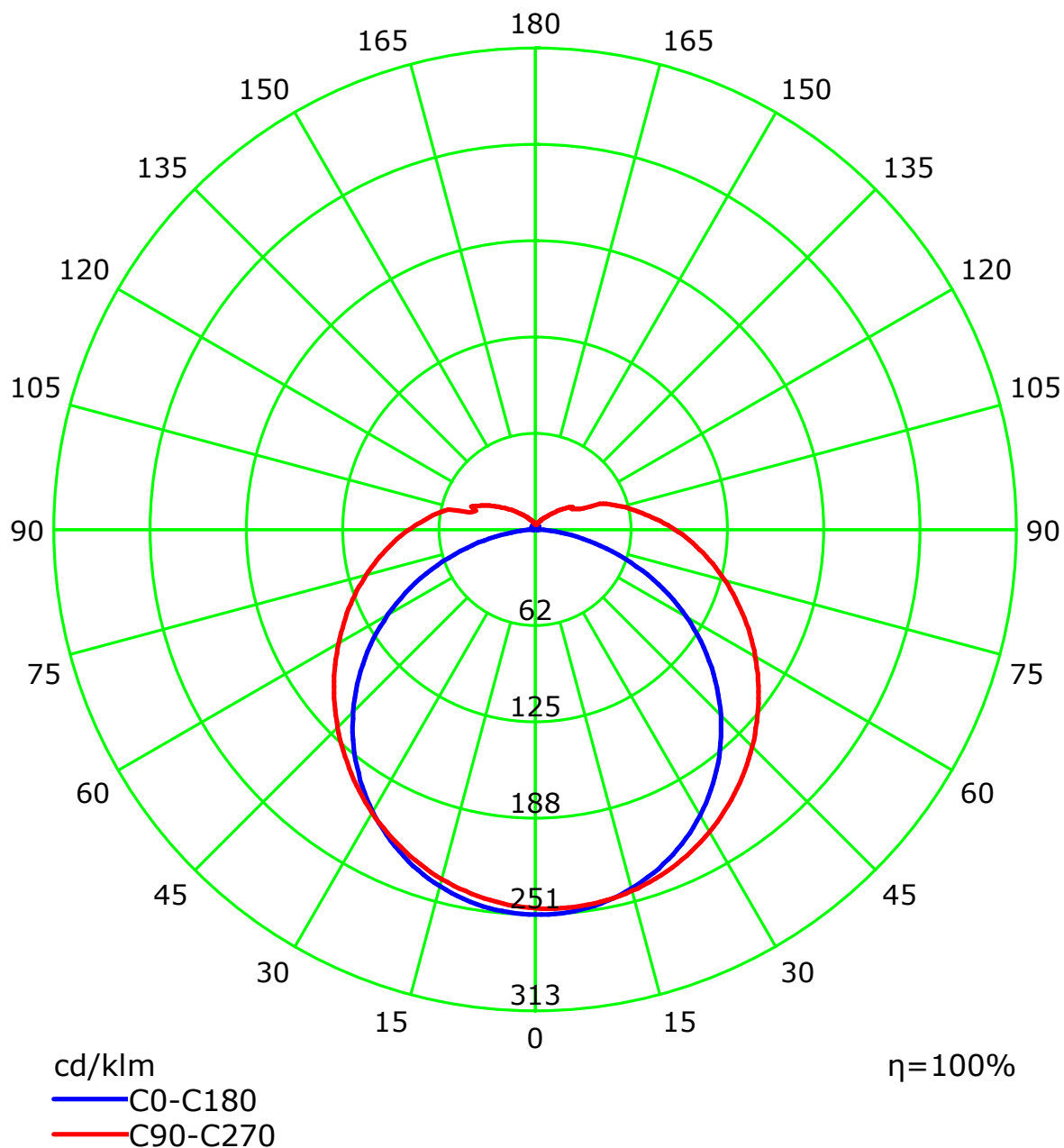
Luminous Intensity Distribution Curve



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

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1800B
Distance: 8.008 m
Humidity:
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



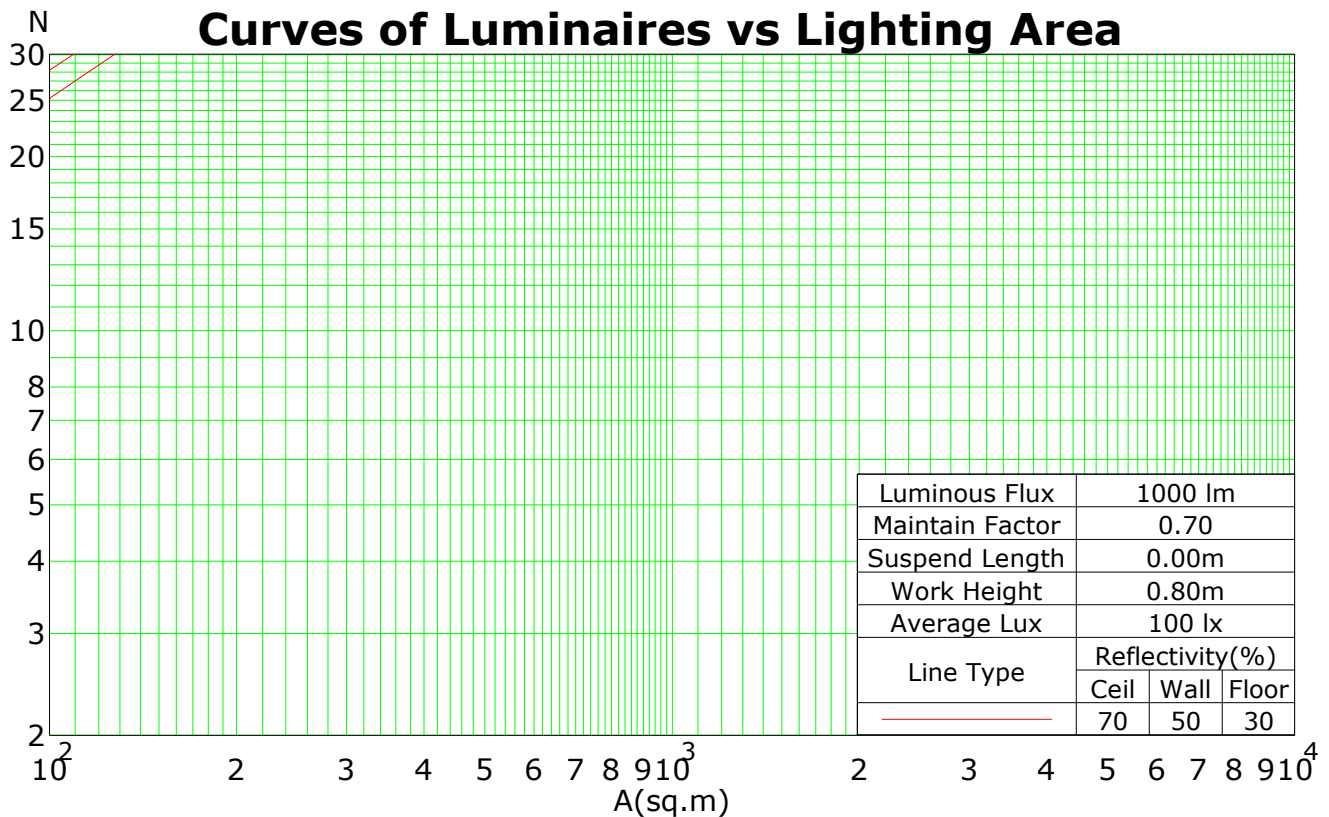
Coefficients Of Utilization - Zonal Cavity Method

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	116	116	116	116	112	112	112	112	104	104	104	97	97	97	91	91	91	88
1	103	97	92	87	99	94	89	85	87	83	80	81	78	75	76	73	71	68
2	93	84	76	69	89	81	73	67	75	69	64	70	65	61	65	61	58	55
3	84	73	64	56	81	70	62	55	65	58	53	61	55	50	57	52	48	45
4	77	64	54	47	73	62	53	46	58	50	44	54	47	42	50	45	40	38
5	70	57	47	40	67	55	46	39	51	44	38	48	41	36	45	39	35	32
6	65	51	41	35	62	49	40	34	46	38	33	43	37	32	41	35	30	28
7	60	46	37	30	57	44	36	30	42	34	29	39	33	28	37	31	27	25
8	56	42	33	27	53	41	32	26	38	31	26	36	29	25	34	28	24	22
9	52	38	30	24	50	37	29	24	35	28	23	33	27	22	31	26	21	19
10	49	35	27	22	47	34	27	21	32	25	21	31	24	20	29	23	19	18

Spacing Criteria (0-180): 1.26

Spacing Criteria (90-270): 1.33

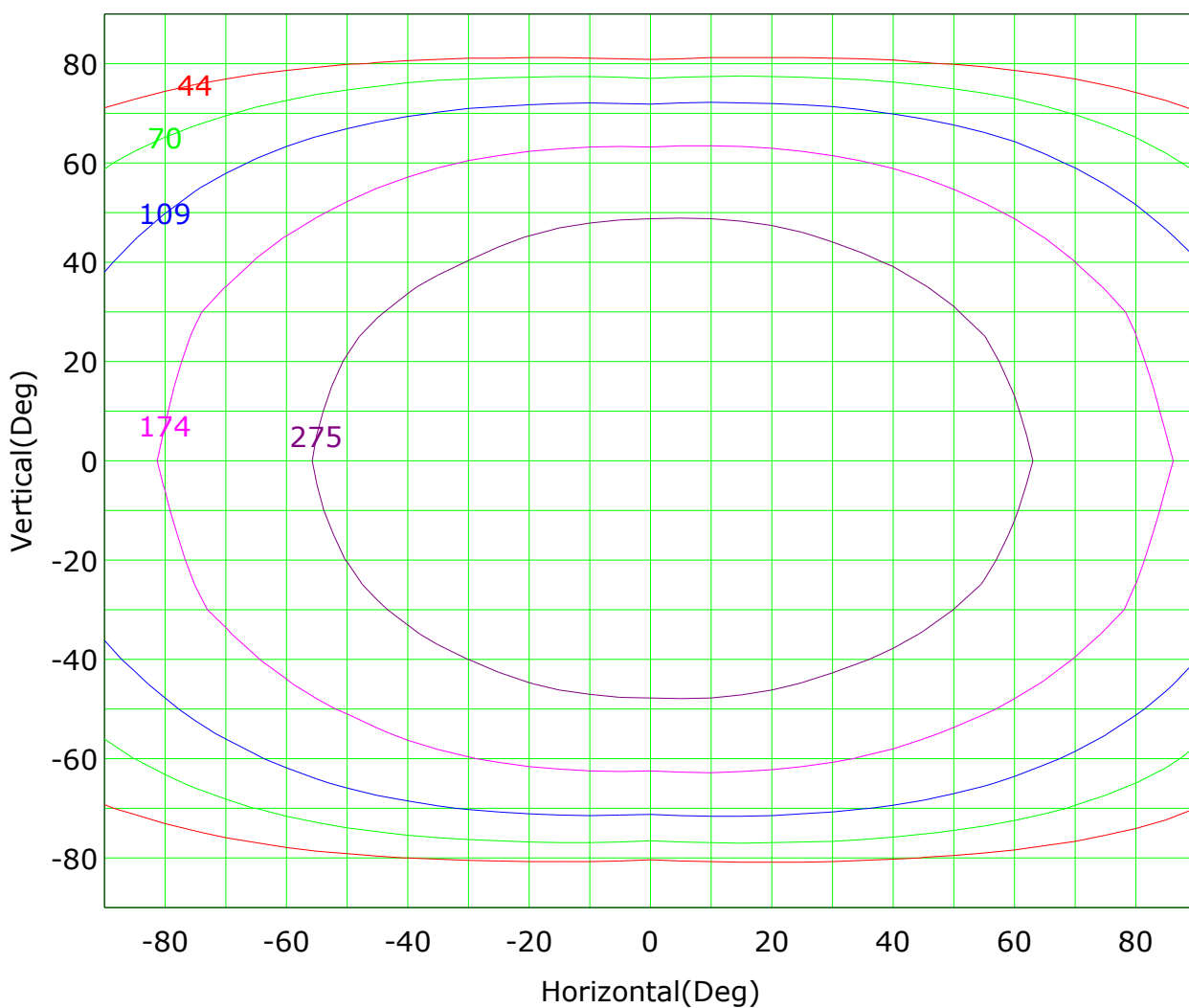
Spacing Criteria (Diagonal): 1.42



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

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1800B
Distance: 8.008 m
Humidity:
Inspector:

Isocandela (rectangle)



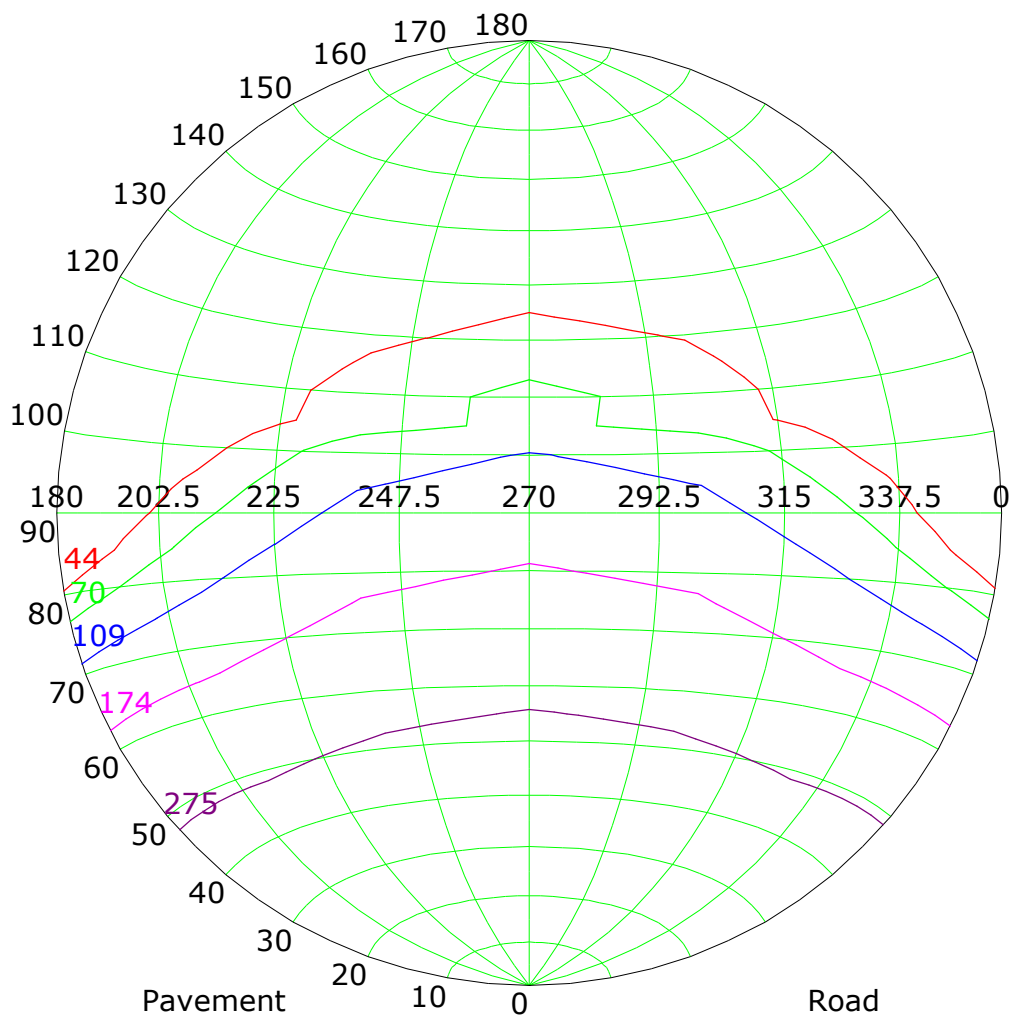
Imax (100%): 436 cd

(10%): 44 cd	(16%): 70 cd
(25%): 109 cd	(40%): 174 cd
(63%): 275 cd	(100%): 436 cd

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

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1800B
Distance: 8.008 m
Humidity:
Inspector:

Isocandela (sphere)



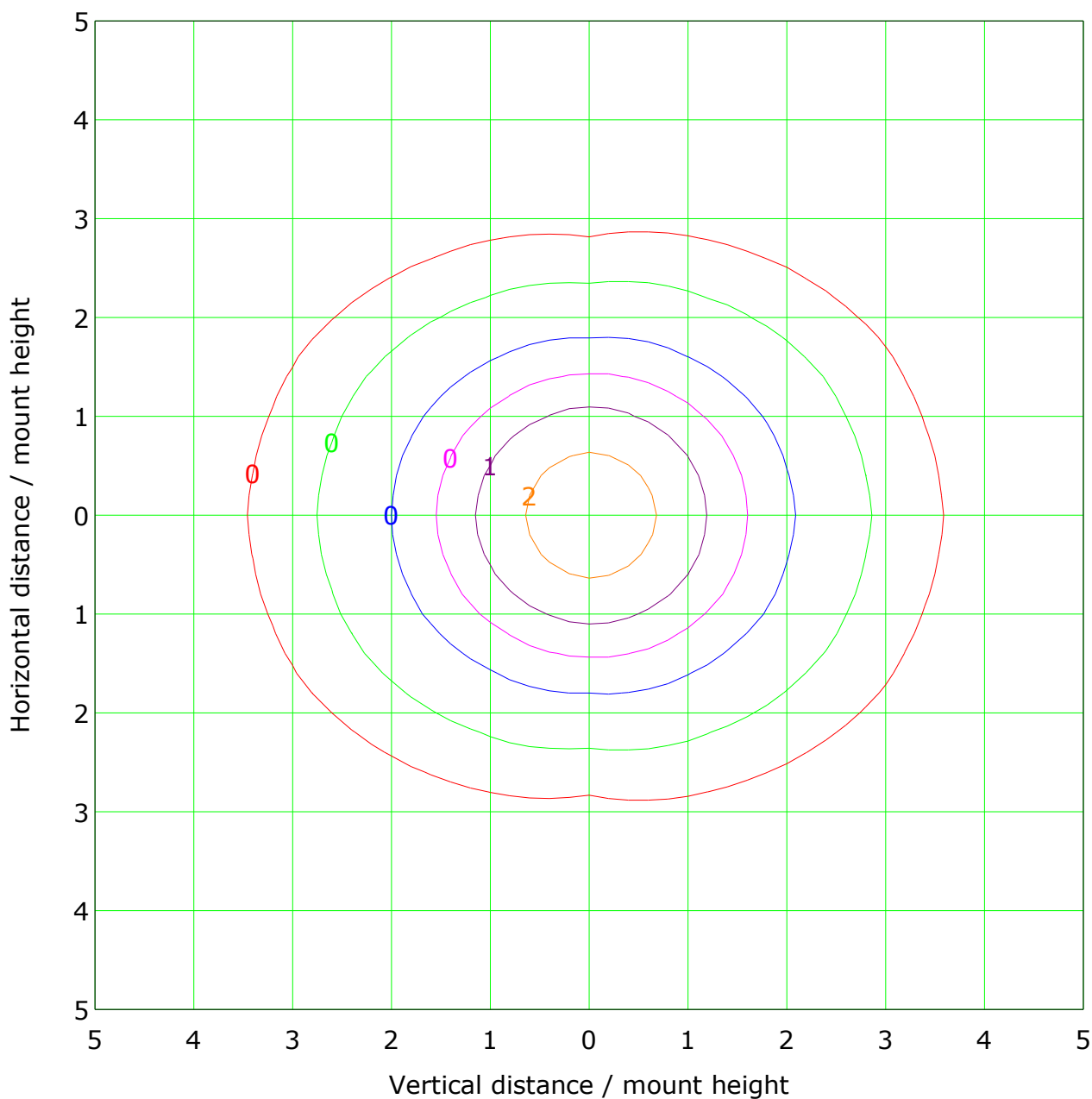
Imax (100%): 436 cd

(10%): 44 cd	(16%): 70 cd
(25%): 109 cd	(40%): 174 cd
(63%): 275 cd	(100%): 436 cd

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.008 m
Humidity:
Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 4.4 lx

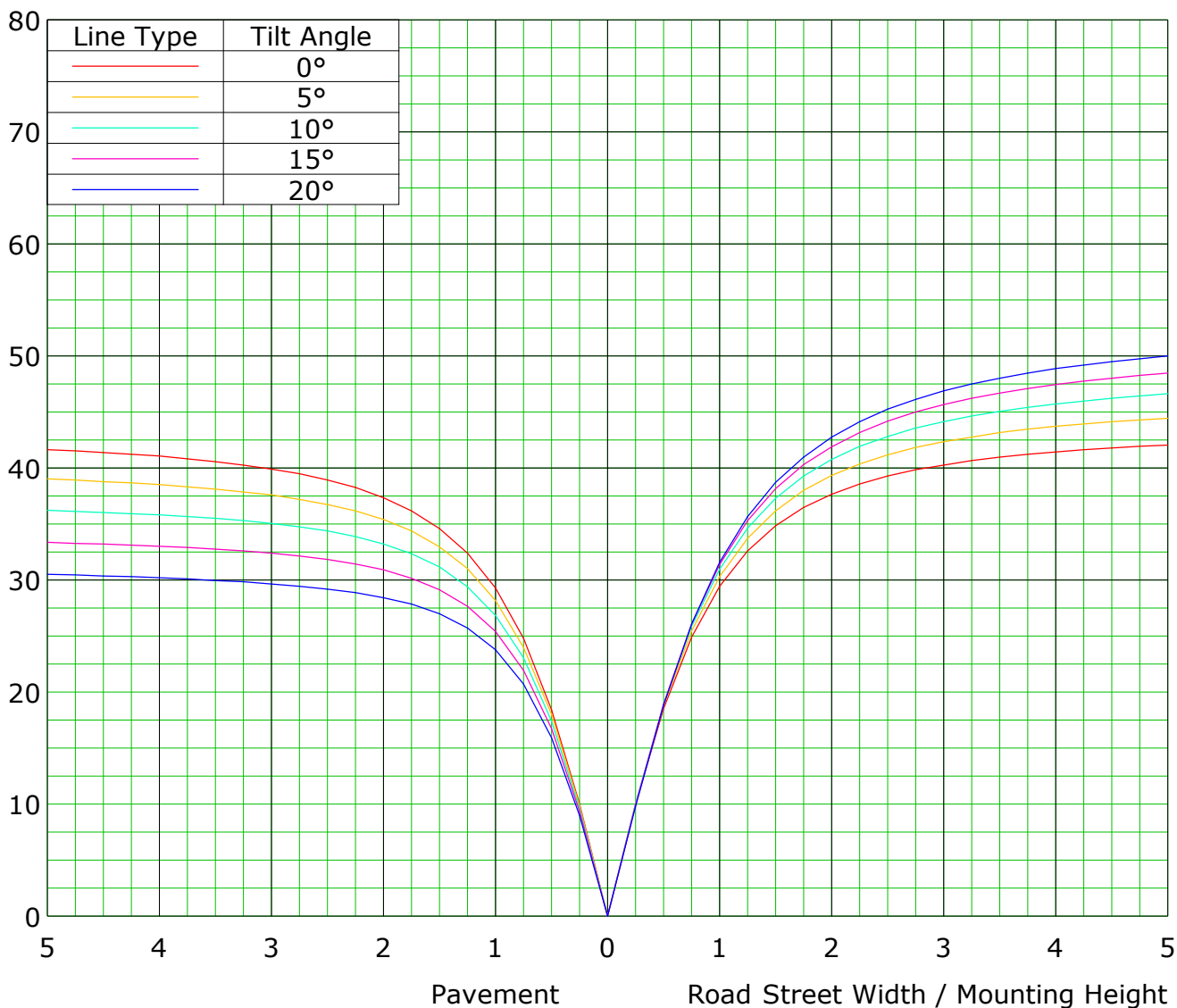
(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.2 lx	(10%): 0.4 lx
(20%): 0.9 lx	(50%): 2.2 lx
(100%): 4.4 lx	

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.008 m
Humidity:
Inspector:

Roadway CU Curve

Efficiency(%)



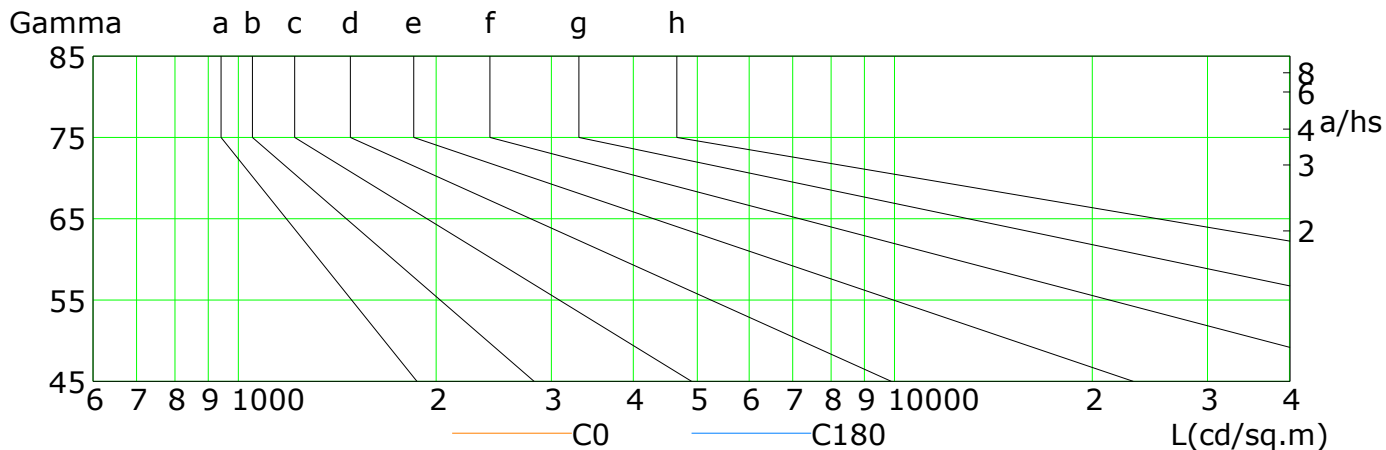
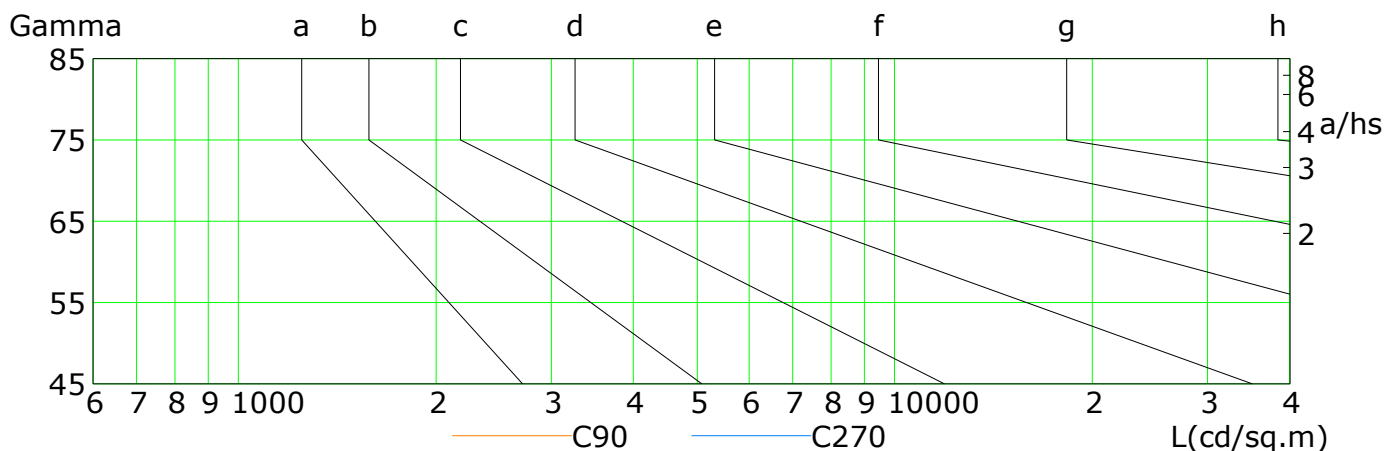
C Plane (°): 0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1800B
Distance: 8.008 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

a b c d e f g h

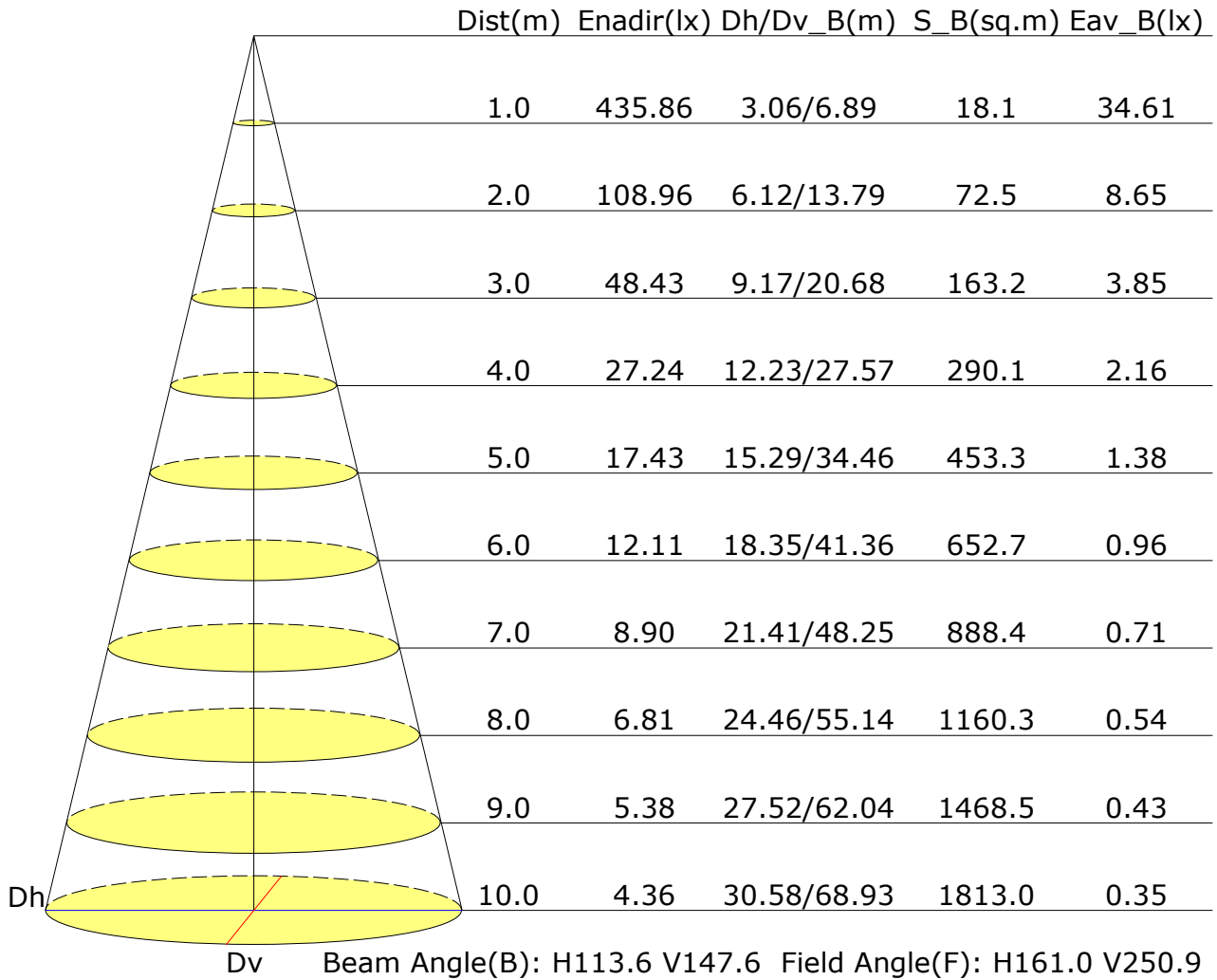


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	297	266	233	198	161	122	84	48	18
C90	347	329	309	288	266	244	223	201	179
C180	292	261	228	193	156	119	81	46	17
C270	317	297	278	257	238	218	198	179	161

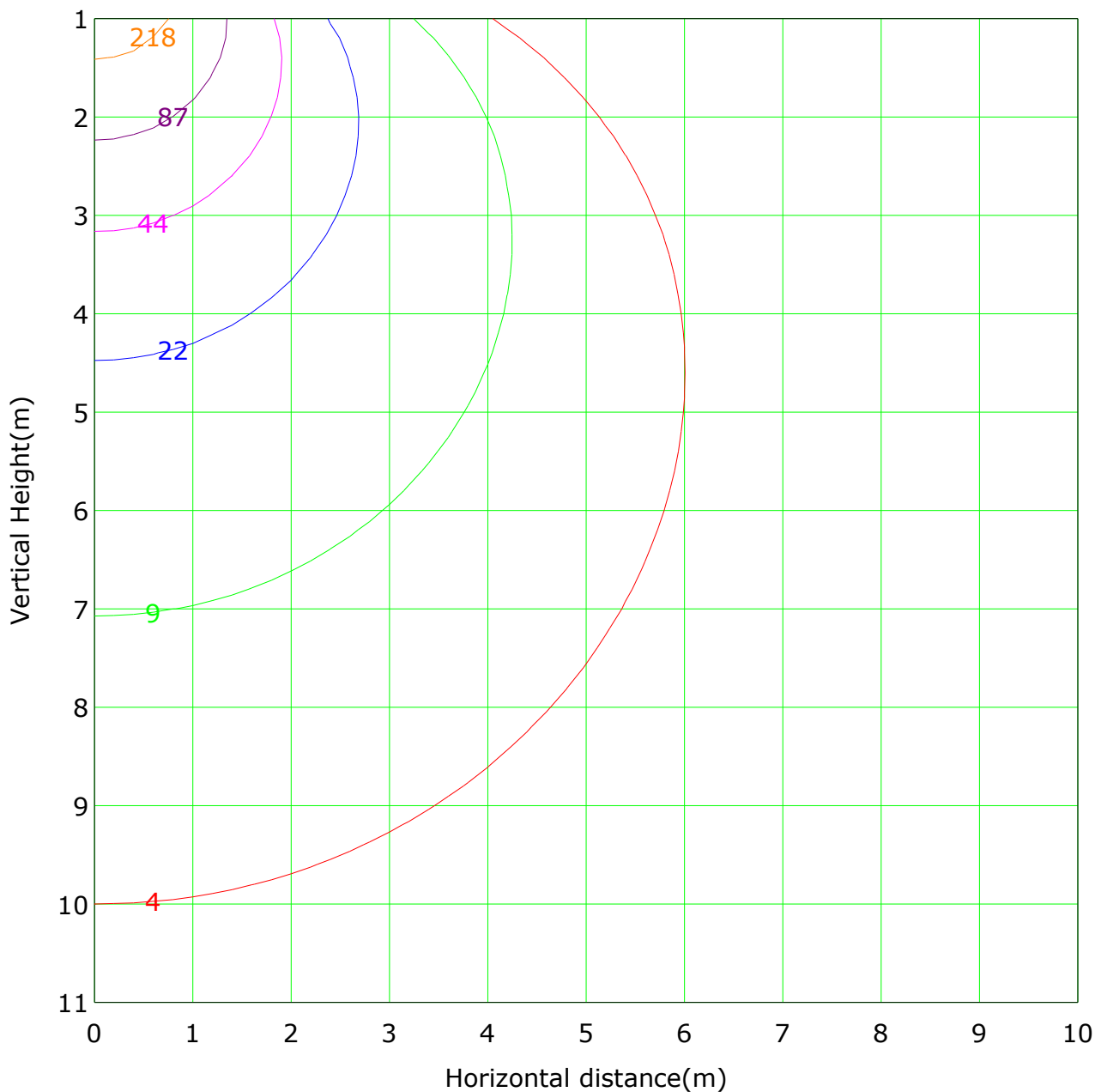
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.008 m
Humidity:
Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 435.9 lx
— (1%): 4.4 lx — (2%): 8.7 lx
— (5%): 21.8 lx — (10%): 43.6 lx
— (20%): 87.2 lx — (50%): 217.9 lx
— (100%): 435.9 lx

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.008 m
Humidity:
Inspector:

Area Flux Table

Unit: lx

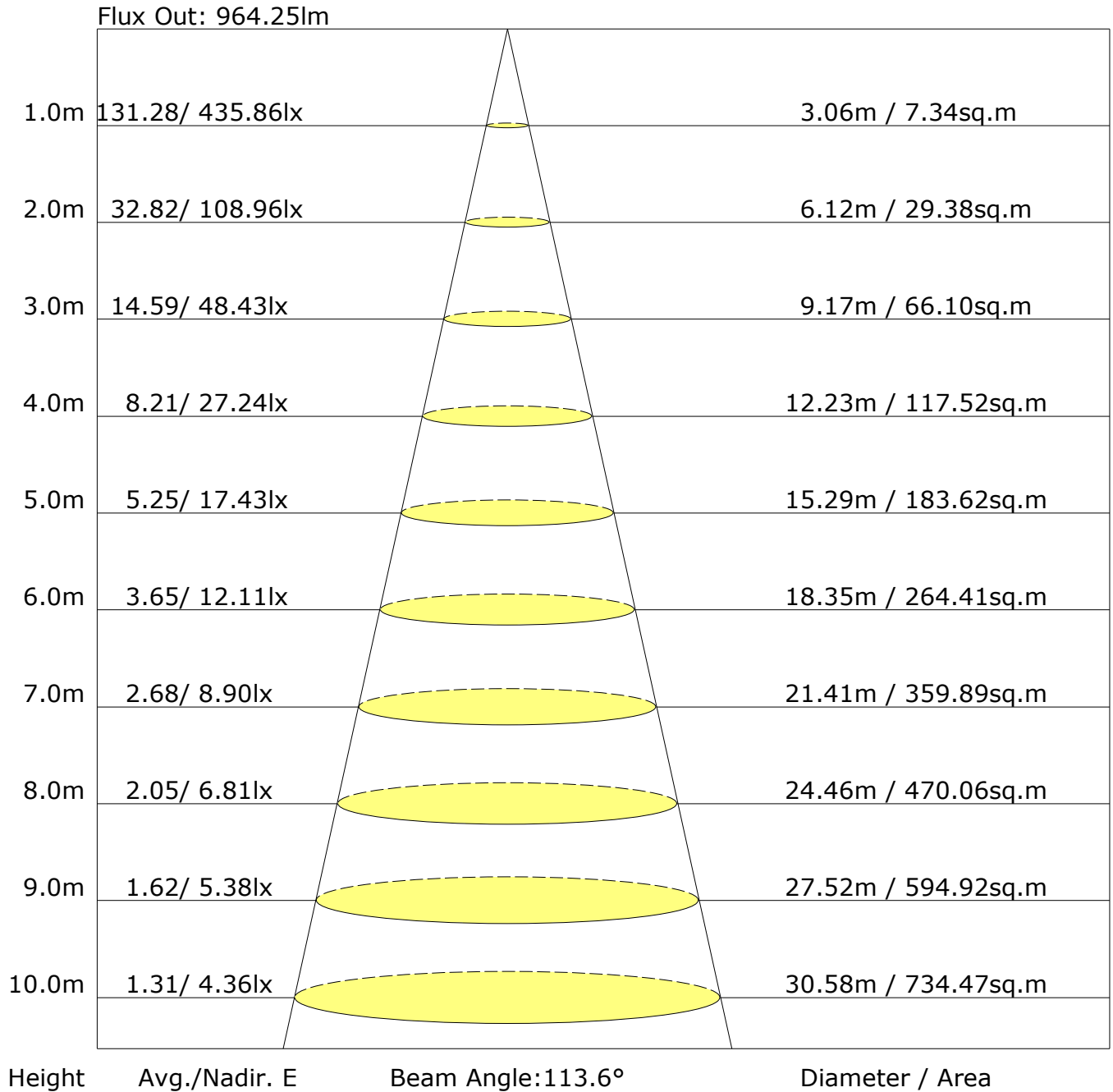
Vertical plane	-90.0	-80.0	-70.0	-60.0	-50.0	-40.0	-30.0	-20.0	-10.0	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0
Flux(E)	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0
Flux(T)	42.3	52.4	63.1	74.1	84.9	94.9	103.6	110.3	114.6	115.8	113.6	108.7	101.4	92.0	81.1	69.5	57.6	46.1	1526
Flux(E)	41.8	52.1	62.8	73.9	84.8	94.8	103.5	110.1	114.4	115.7	113.5	108.6	101.2	91.8	81.0	69.2	57.2	45.6	1522

Horizontal plane

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

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1800B
Distance: 8.008 m
Humidity:
Inspector:

The Average Illuminance Effective Figure



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	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
3H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
4H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
6H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
8H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
12H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
X=4H Y=2H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
3H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
4H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
6H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
8H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
12H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
X=8H Y=4H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
6H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
8H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
12H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
X=12H Y=4H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
6H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$
8H	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$	1.\$

Calculate in accordance with CIE 190:2010

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.008 m
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

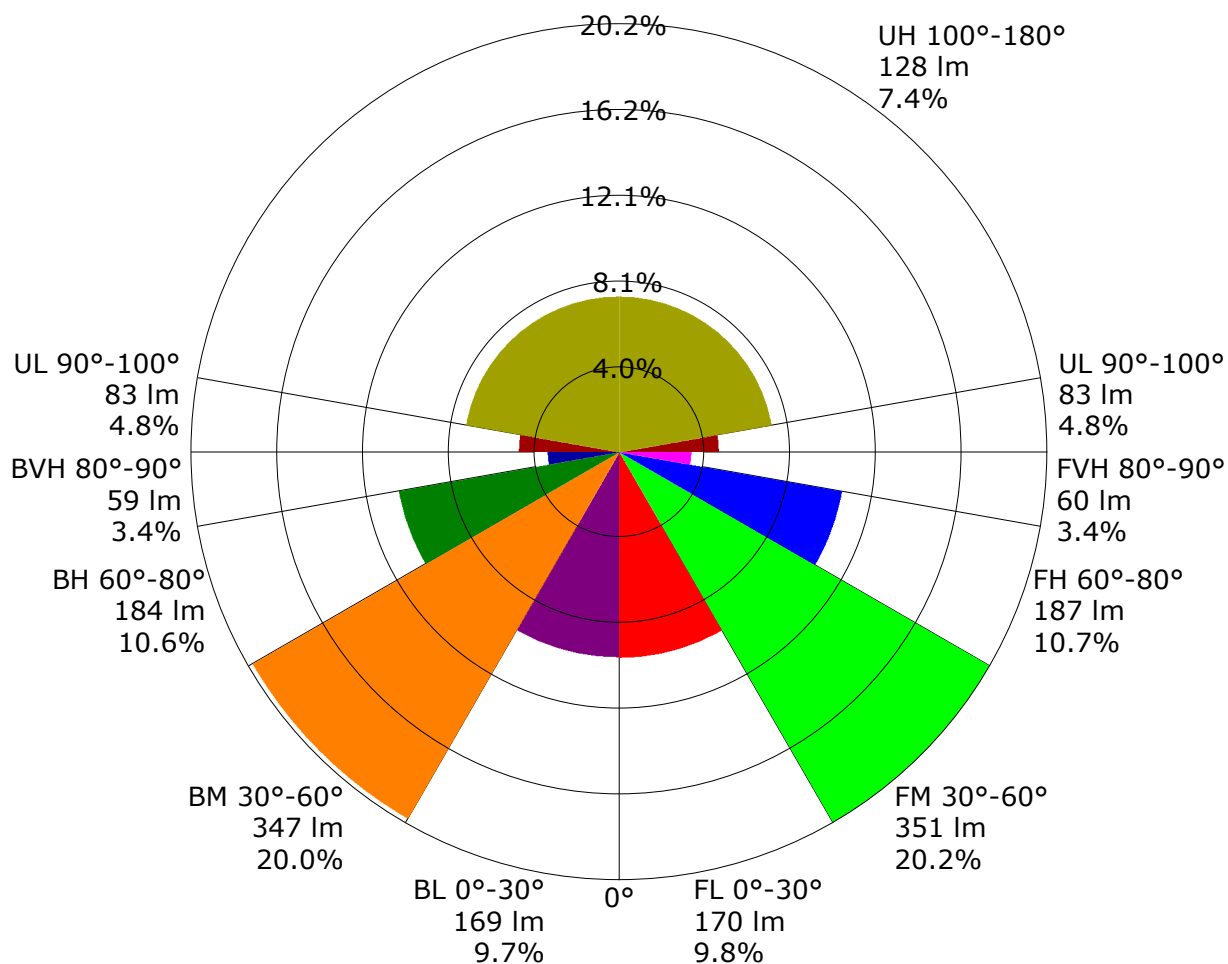
	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	767	44.2
	FL (0°-30°)	170	9.8
	FM (30°-60°)	351	20.2
	FH (60°-80°)	187	10.7
	FVH (80°-90°)	60	3.4
	BACK LIGHT	759	43.7
	BL (0°-30°)	169	9.7
	BM (30°-60°)	347	20.0
	BH (60°-80°)	184	10.6
	BVH (80°-90°)	59	3.4
	UP LIGHT	210	12.1
	UL (90°-100°)	83	4.8
	UH (100°-180°)	128	7.4
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U3 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U3 G1

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.008 m
Humidity:
Inspector:

LCS Graph



Forward Light

Back Light

Scale= MAX LCS%

Trapped Light:NA,NA

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.50									
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	0.51	0.59	0.66	0.72	0.79	0.84	0.87	0.92	0.95	
	0.30		0.43	0.51	0.59	0.64	0.72	0.77	0.81	0.87	0.91	
	0.20		0.38	0.45	0.52	0.58	0.66	0.72	0.76	0.83	0.87	
0.50	0.50	0.20	0.49	0.56	0.62	0.67	0.74	0.78	0.81	0.86	0.89	
	0.30		0.42	0.49	0.56	0.61	0.68	0.73	0.77	0.82	0.85	
	0.20		0.37	0.44	0.50	0.55	0.63	0.68	0.72	0.78	0.82	
0.30	0.50	0.20	0.46	0.53	0.59	0.63	0.69	0.73	0.76	0.80	0.83	
	0.30		0.40	0.47	0.53	0.58	0.64	0.69	0.72	0.77	0.80	
	0.20		0.36	0.42	0.48	0.53	0.60	0.65	0.69	0.74	0.77	
0.00	0.00	0.00	0.32	0.38	0.44	0.48	0.55	0.59	0.62	0.67	0.70	
Rating:20W 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(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.50									
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	0.87	0.75	0.67	0.55	0.47	0.41	0.32	0.27	
	0.30		0.84	0.75	0.66	0.59	0.49	0.43	0.38	0.31	0.26	
	0.20		0.72	0.65	0.58	0.53	0.45	0.39	0.35	0.29	0.25	
0.50	0.50	0.20	0.95	0.82	0.71	0.63	0.51	0.46	0.38	0.30	0.25	
	0.30		0.80	0.71	0.62	0.56	0.47	0.40	0.36	0.29	0.24	
	0.20		0.70	0.63	0.56	0.51	0.43	0.38	0.33	0.27	0.23	
0.30	0.50	0.20	0.90	0.77	0.66	0.59	0.48	0.41	0.36	0.29	0.24	
	0.30		0.77	0.68	0.59	0.53	0.44	0.38	0.34	0.27	0.23	
	0.20		0.67	0.60	0.54	0.49	0.41	0.36	0.32	0.26	0.22	
0.00	0.00	0.00	0.56	0.50	0.44	0.40	0.33	0.29	0.26	0.21	0.18	
Rating:20W 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 = 1.50									
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	0.28	0.30	0.30	0.31	0.32	0.32	0.33	0.33	0.33	
	0.30		0.21	0.23	0.24	0.25	0.26	0.27	0.28	0.29	0.30	
	0.20		0.16	0.17	0.19	0.20	0.22	0.23	0.24	0.26	0.27	
0.50	0.50	0.20	0.27	0.28	0.29	0.30	0.31	0.31	0.31	0.32	0.32	
	0.30		0.21	0.22	0.23	0.24	0.26	0.27	0.27	0.28	0.29	
	0.20		0.16	0.17	0.19	0.20	0.21	0.23	0.24	0.25	0.26	
0.30	0.50	0.20	0.26	0.27	0.28	0.29	0.29	0.30	0.30	0.30	0.31	
	0.30		0.20	0.22	0.23	0.24	0.25	0.26	0.26	0.27	0.28	
	0.20		0.16	0.17	0.18	0.19	0.21	0.22	0.23	0.25	0.26	
0.00	0.00	0.00	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	0.12	
Rating:20W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	430.2	0.4	0.4	0.02	0.02
1.0-2.0	430.1	1.2	1.6	0.07	0.09
2.0-3.0	429.8	2.1	3.7	0.12	0.21
3.0-4.0	429.4	2.9	6.6	0.17	0.38
4.0-5.0	428.9	3.7	10.3	0.21	0.59
5.0-6.0	428.3	4.5	14.8	0.26	0.85
6.0-7.0	427.5	5.3	20.1	0.31	1.16
7.0-8.0	426.6	6.1	26.2	0.35	1.51
8.0-9.0	425.6	6.9	33.1	0.40	1.91
9.0-10.0	424.5	7.7	40.8	0.44	2.35
10.0-11.0	423.2	8.5	49.2	0.49	2.83
11.0-12.0	421.8	9.2	58.4	0.53	3.37
12.0-13.0	420.3	10.0	68.4	0.57	3.94
13.0-14.0	418.6	10.7	79.1	0.62	4.56
14.0-15.0	416.9	11.4	90.6	0.66	5.22
15.0-16.0	415.0	12.2	102.7	0.70	5.92
16.0-17.0	413.0	12.9	115.6	0.74	6.66
17.0-18.0	410.9	13.5	129.2	0.78	7.44
18.0-19.0	408.6	14.2	143.4	0.82	8.26
19.0-20.0	406.3	14.9	158.2	0.86	9.11
20.0-21.0	403.8	15.5	173.8	0.89	10.01
21.0-22.0	401.2	16.1	189.9	0.93	10.94
22.0-23.0	398.5	16.7	206.6	0.96	11.90
23.0-24.0	395.7	17.3	223.9	1.00	12.90
24.0-25.0	392.8	17.9	241.8	1.03	13.92
25.0-26.0	389.7	18.4	260.2	1.06	14.98
26.0-27.0	386.6	18.9	279.1	1.09	16.07
27.0-28.0	383.4	19.4	298.5	1.12	17.19
28.0-29.0	380.1	19.9	318.4	1.15	18.34
29.0-30.0	376.6	20.3	338.7	1.17	19.51
30.0-31.0	373.1	20.8	359.5	1.20	20.70
31.0-32.0	369.4	21.2	380.7	1.22	21.92
32.0-33.0	365.7	21.5	402.2	1.24	23.16
33.0-34.0	361.9	21.9	424.1	1.26	24.43
34.0-35.0	358.0	22.2	446.3	1.28	25.71
35.0-36.0	354.0	22.5	468.9	1.30	27.00

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.008 m
Humidity:
Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	349.9	22.8	491.7	1.31	28.32
37.0-38.0	345.7	23.1	514.8	1.33	29.65
38.0-39.0	341.5	23.3	538.1	1.34	30.99
39.0-40.0	337.2	23.5	561.6	1.35	32.35
40.0-41.0	332.8	23.7	585.3	1.36	33.71
41.0-42.0	328.3	23.9	609.2	1.37	35.08
42.0-43.0	323.7	24.0	633.2	1.38	36.47
43.0-44.0	319.1	24.1	657.3	1.39	37.85
44.0-45.0	314.4	24.2	681.4	1.39	39.24
45.0-46.0	309.6	24.2	705.6	1.39	40.64
46.0-47.0	304.9	24.3	729.9	1.40	42.04
47.0-48.0	300.0	24.3	754.1	1.40	43.43
48.0-49.0	295.1	24.2	778.4	1.40	44.83
49.0-50.0	290.1	24.2	802.6	1.39	46.22
50.0-51.0	285.0	24.1	826.7	1.39	47.61
51.0-52.0	280.0	24.0	850.7	1.38	48.99
52.0-53.0	274.8	23.9	874.6	1.38	50.37
53.0-54.0	269.6	23.8	898.4	1.37	51.74
54.0-55.0	264.4	23.6	922.0	1.36	53.10
55.0-56.0	259.2	23.4	945.4	1.35	54.45
56.0-57.0	253.9	23.2	968.6	1.34	55.79
57.0-58.0	248.6	23.0	991.6	1.32	57.11
58.0-59.0	243.2	22.7	1014.4	1.31	58.42
59.0-60.0	237.9	22.5	1036.8	1.29	59.71
60.0-61.0	232.5	22.2	1059.0	1.28	60.99
61.0-62.0	227.1	21.9	1080.9	1.26	62.25
62.0-63.0	221.7	21.6	1102.5	1.24	63.49
63.0-64.0	216.2	21.2	1123.7	1.22	64.72
64.0-65.0	210.9	20.9	1144.6	1.20	65.92
65.0-66.0	205.5	20.5	1165.1	1.18	67.10
66.0-67.0	200.1	20.1	1185.2	1.16	68.26
67.0-68.0	194.7	19.7	1204.9	1.14	69.40
68.0-69.0	189.3	19.3	1224.2	1.11	70.51
69.0-70.0	184.0	18.9	1243.1	1.09	71.60
70.0-71.0	178.7	18.5	1261.6	1.06	72.66
71.0-72.0	173.4	18.0	1279.6	1.04	73.70

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.008 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	168.1	17.6	1297.2	1.01	74.71
73.0-74.0	162.9	17.1	1314.3	0.99	75.70
74.0-75.0	157.7	16.7	1331.0	0.96	76.66
75.0-76.0	152.5	16.2	1347.2	0.93	77.59
76.0-77.0	147.5	15.7	1362.9	0.91	78.49
77.0-78.0	142.6	15.3	1378.2	0.88	79.37
78.0-79.0	137.7	14.8	1393.0	0.85	80.23
79.0-80.0	132.8	14.3	1407.3	0.82	81.05
80.0-81.0	128.0	13.8	1421.1	0.80	81.85
81.0-82.0	123.4	13.4	1434.5	0.77	82.62
82.0-83.0	118.8	12.9	1447.4	0.74	83.36
83.0-84.0	114.4	12.5	1459.9	0.72	84.08
84.0-85.0	110.1	12.0	1471.9	0.69	84.77
85.0-86.0	106.0	11.6	1483.5	0.67	85.44
86.0-87.0	102.1	11.2	1494.7	0.64	86.08
87.0-88.0	98.3	10.8	1505.5	0.62	86.70
88.0-89.0	94.8	10.4	1515.9	0.60	87.30
89.0-90.0	91.3	10.0	1525.9	0.58	87.88
90.0-91.0	88.1	9.7	1535.5	0.56	88.44
91.0-92.0	85.0	9.3	1544.9	0.54	88.97
92.0-93.0	82.1	9.0	1553.9	0.52	89.49
93.0-94.0	79.3	8.7	1562.5	0.50	89.99
94.0-95.0	76.6	8.4	1570.9	0.48	90.47
95.0-96.0	74.2	8.1	1579.0	0.47	90.94
96.0-97.0	71.7	7.8	1586.8	0.45	91.39
97.0-98.0	69.3	7.5	1594.4	0.43	91.82
98.0-99.0	66.9	7.3	1601.6	0.42	92.24
99.0-100.0	64.4	7.0	1608.6	0.40	92.64
100.0-101.0	61.8	6.7	1615.2	0.38	93.03
101.0-102.0	58.8	6.3	1621.6	0.36	93.39
102.0-103.0	54.7	5.9	1627.4	0.34	93.73
103.0-104.0	50.9	5.4	1632.8	0.31	94.04
104.0-105.0	47.7	5.1	1637.9	0.29	94.33
105.0-106.0	45.5	4.8	1642.7	0.28	94.61
106.0-107.0	44.4	4.7	1647.4	0.27	94.88
107.0-108.0	43.6	4.6	1651.9	0.26	95.14

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.008 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	42.6	4.4	1656.4	0.26	95.39
109.0-110.0	40.9	4.2	1660.6	0.24	95.64
110.0-111.0	38.6	4.0	1664.6	0.23	95.87
111.0-112.0	36.7	3.7	1668.3	0.22	96.08
112.0-113.0	34.9	3.5	1671.8	0.20	96.29
113.0-114.0	33.0	3.3	1675.2	0.19	96.48
114.0-115.0	31.5	3.1	1678.3	0.18	96.66
115.0-116.0	30.2	3.0	1681.3	0.17	96.83
116.0-117.0	29.3	2.9	1684.2	0.17	97.00
117.0-118.0	28.6	2.8	1686.9	0.16	97.16
118.0-119.0	27.7	2.7	1689.6	0.15	97.31
119.0-120.0	26.7	2.5	1692.2	0.15	97.46
120.0-121.0	25.9	2.5	1694.6	0.14	97.60
121.0-122.0	25.2	2.4	1697.0	0.14	97.73
122.0-123.0	24.3	2.2	1699.2	0.13	97.86
123.0-124.0	23.3	2.1	1701.4	0.12	97.99
124.0-125.0	22.4	2.0	1703.4	0.12	98.10
125.0-126.0	21.5	1.9	1705.3	0.11	98.21
126.0-127.0	20.6	1.8	1707.1	0.10	98.32
127.0-128.0	19.7	1.7	1708.8	0.10	98.42
128.0-129.0	18.8	1.6	1710.4	0.09	98.51
129.0-130.0	18.0	1.5	1712.0	0.09	98.60
130.0-131.0	17.2	1.4	1713.4	0.08	98.68
131.0-132.0	16.5	1.4	1714.8	0.08	98.76
132.0-133.0	15.8	1.3	1716.0	0.07	98.83
133.0-134.0	15.2	1.2	1717.2	0.07	98.90
134.0-135.0	14.6	1.1	1718.4	0.07	98.97
135.0-136.0	14.1	1.1	1719.5	0.06	99.03
136.0-137.0	13.6	1.0	1720.5	0.06	99.09
137.0-138.0	13.2	1.0	1721.5	0.06	99.14
138.0-139.0	12.8	0.9	1722.4	0.05	99.20
139.0-140.0	12.4	0.9	1723.3	0.05	99.25
140.0-141.0	12.0	0.8	1724.1	0.05	99.30
141.0-142.0	11.6	0.8	1724.9	0.05	99.34
142.0-143.0	11.3	0.8	1725.7	0.04	99.39
143.0-144.0	10.9	0.7	1726.4	0.04	99.43

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.008 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	10.6	0.7	1727.1	0.04	99.47
145.0-146.0	10.3	0.6	1727.7	0.04	99.50
146.0-147.0	10.0	0.6	1728.3	0.03	99.54
147.0-148.0	9.7	0.6	1728.9	0.03	99.57
148.0-149.0	9.5	0.5	1729.4	0.03	99.60
149.0-150.0	9.2	0.5	1729.9	0.03	99.63
150.0-151.0	9.0	0.5	1730.4	0.03	99.66
151.0-152.0	8.8	0.5	1730.9	0.03	99.69
152.0-153.0	8.6	0.4	1731.3	0.03	99.71
153.0-154.0	8.4	0.4	1731.7	0.02	99.73
154.0-155.0	8.2	0.4	1732.1	0.02	99.76
155.0-156.0	8.0	0.4	1732.5	0.02	99.78
156.0-157.0	7.9	0.3	1732.8	0.02	99.80
157.0-158.0	7.8	0.3	1733.1	0.02	99.82
158.0-159.0	7.6	0.3	1733.4	0.02	99.83
159.0-160.0	7.5	0.3	1733.7	0.02	99.85
160.0-161.0	7.4	0.3	1734.0	0.02	99.87
161.0-162.0	7.2	0.3	1734.3	0.01	99.88
162.0-163.0	7.1	0.2	1734.5	0.01	99.89
163.0-164.0	7.0	0.2	1734.7	0.01	99.91
164.0-165.0	6.9	0.2	1734.9	0.01	99.92
165.0-166.0	6.8	0.2	1735.1	0.01	99.93
166.0-167.0	6.8	0.2	1735.3	0.01	99.94
167.0-168.0	6.7	0.2	1735.4	0.01	99.95
168.0-169.0	6.6	0.1	1735.6	0.01	99.96
169.0-170.0	6.6	0.1	1735.7	0.01	99.96
170.0-171.0	6.6	0.1	1735.8	0.01	99.97
171.0-172.0	6.5	0.1	1735.9	0.01	99.98
172.0-173.0	6.5	0.1	1736.0	0.01	99.98
173.0-174.0	6.5	0.1	1736.1	0.00	99.99
174.0-175.0	6.5	0.1	1736.2	0.00	99.99
175.0-176.0	6.5	0.1	1736.2	0.00	99.99
176.0-177.0	6.5	0.0	1736.3	0.00	100.00
177.0-178.0	6.5	0.0	1736.3	0.00	100.00
178.0-179.0	6.6	0.0	1736.3	0.00	100.00
179.0-180.0	6.6	0.0	1736.3	0.00	100.00

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.008 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	435.9	432.4	430.1	428.5	427.8	426.7	435.9	432.4	430.1	428.5
G1.0	435.9	432.8	430.5	428.9	428.1	426.9	435.7	432.0	429.6	428.0
G2.0	435.8	432.9	430.8	429.4	428.1	426.9	435.5	431.5	429.0	427.4
G3.0	435.6	432.8	431.0	429.6	428.3	426.7	435.0	430.9	428.1	426.7
G4.0	435.1	432.5	430.9	429.7	428.2	426.4	434.3	430.2	427.2	425.9
G5.0	434.6	432.2	430.8	429.6	428.2	426.0	433.6	429.2	426.3	424.8
G6.0	433.8	431.8	430.7	429.5	428.0	425.3	432.7	428.0	425.4	423.7
G7.0	433.0	431.2	430.4	429.3	427.6	424.7	431.7	426.8	424.2	422.6
G8.0	432.0	430.5	430.0	428.9	426.9	423.8	430.5	425.6	422.6	421.4
G9.0	430.8	429.6	429.4	428.5	426.4	422.9	429.1	424.1	421.2	419.8
G10.0	429.5	428.5	428.8	428.0	425.6	421.9	427.6	422.6	419.7	418.4
G11.0	428.0	427.4	427.8	427.3	424.8	420.6	426.0	420.6	418.1	416.8
G12.0	426.4	426.1	426.8	426.5	423.9	419.3	424.2	418.8	416.4	415.1
G13.0	424.7	424.7	425.8	425.6	422.8	417.6	422.3	416.8	414.5	413.4
G14.0	422.8	423.1	424.8	424.7	421.6	416.0	420.2	414.7	412.5	411.6
G15.0	420.8	421.4	423.5	423.5	420.3	414.3	418.1	412.4	410.5	409.6
G16.0	418.6	419.5	422.1	422.3	418.7	412.4	415.8	410.1	408.0	407.6
G17.0	416.2	417.6	420.4	421.0	417.2	410.4	413.2	407.6	405.7	405.5
G18.0	413.8	415.5	418.8	419.6	415.5	408.3	410.7	405.0	403.4	403.0
G19.0	411.2	413.3	417.1	418.1	413.8	405.8	407.9	402.0	401.0	400.7
G20.0	408.5	410.9	415.3	416.5	411.9	403.5	404.9	399.2	398.4	398.4
G21.0	405.4	408.5	413.3	414.8	410.0	400.9	402.0	396.2	395.8	395.9
G22.0	402.4	405.7	411.3	412.9	407.7	398.3	398.9	393.1	392.7	393.4
G23.0	399.3	403.0	409.1	411.0	405.5	395.6	395.4	390.0	389.9	390.5
G24.0	396.1	400.1	406.9	409.0	403.2	392.6	392.0	386.6	386.9	387.7
G25.0	392.6	397.1	404.5	406.9	400.8	389.5	388.2	382.8	383.9	384.9
G26.0	388.9	394.0	401.8	404.7	398.3	386.4	384.8	379.3	380.8	382.1
G27.0	385.3	390.6	399.2	402.3	395.6	383.2	380.8	375.6	377.6	379.1
G28.0	381.5	387.3	396.5	400.0	393.0	379.5	376.9	371.9	374.3	376.2
G29.0	377.4	383.9	393.8	397.6	390.0	376.1	372.9	368.0	370.6	373.2
G30.0	373.4	380.0	390.9	395.0	387.1	372.5	368.8	364.1	367.3	370.1
G31.0	369.0	376.4	388.0	392.4	384.1	368.8	364.4	360.0	363.8	366.6
G32.0	364.8	372.5	384.6	389.8	381.0	364.9	360.0	355.5	360.2	363.4
G33.0	360.4	368.5	381.5	386.8	377.9	361.0	355.3	351.3	356.6	360.1
G34.0	355.8	364.5	378.3	383.9	374.5	356.7	350.6	346.9	352.9	356.7
G35.0	351.0	360.1	374.9	381.0	371.1	352.5	346.0	342.4	349.1	353.4
G36.0	346.3	355.8	371.5	378.0	367.7	348.3	340.8	337.8	345.0	350.0

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.008 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	341.2	351.4	367.7	374.9	364.1	343.9	335.9	333.2	341.1	346.4
G38.0	336.2	346.9	364.1	371.5	360.5	339.5	330.8	328.5	337.1	342.6
G39.0	330.9	342.4	360.5	368.4	356.7	334.6	325.6	323.7	333.1	339.0
G40.0	325.5	337.4	356.8	365.0	353.0	330.0	320.4	318.9	329.1	335.4
G41.0	320.2	332.6	352.7	361.7	349.1	325.2	314.8	313.5	325.1	331.8
G42.0	314.7	327.7	348.9	358.3	345.2	320.4	309.3	308.5	321.0	328.1
G43.0	308.9	322.8	344.9	354.6	341.2	315.5	303.5	303.4	316.8	324.4
G44.0	303.3	317.4	340.5	351.1	337.2	310.2	297.8	298.2	312.6	320.7
G45.0	297.3	312.3	336.5	347.5	333.0	305.2	291.8	293.0	308.1	316.6
G46.0	291.5	307.1	332.4	343.9	328.9	300.0	285.9	287.7	303.8	312.9
G47.0	285.2	301.7	328.2	340.2	324.8	294.7	279.9	282.0	299.5	309.0
G48.0	279.1	296.3	323.9	336.2	320.4	289.4	273.8	276.6	295.2	305.2
G49.0	272.9	290.8	319.6	332.4	316.1	284.0	267.4	271.0	290.8	301.4
G50.0	266.2	285.2	314.9	328.6	311.8	278.5	261.1	265.4	286.5	297.4
G51.0	259.9	279.6	310.5	324.7	307.5	273.0	254.7	259.8	282.1	293.5
G52.0	253.4	273.6	306.1	320.7	303.1	267.5	248.4	254.3	277.3	289.3
G53.0	246.6	267.9	301.6	316.8	298.5	261.5	241.4	248.4	272.9	285.4
G54.0	240.0	262.1	297.1	312.5	294.1	255.9	234.9	242.7	268.4	281.5
G55.0	233.0	256.3	292.4	308.6	289.6	250.2	227.9	236.9	264.1	277.6
G56.0	226.3	250.1	287.8	304.5	284.8	244.1	221.2	231.2	259.7	273.6
G57.0	219.1	244.1	283.2	300.5	280.3	238.2	214.1	225.5	254.9	269.4
G58.0	212.2	238.3	278.6	296.1	275.7	232.5	207.2	219.4	250.5	265.4
G59.0	204.8	231.9	273.7	292.0	271.2	226.7	200.2	213.6	246.0	261.5
G60.0	197.8	225.9	269.0	287.8	266.6	220.5	193.2	207.9	241.6	257.5
G61.0	190.6	219.9	264.4	283.6	261.8	214.7	185.7	202.0	237.2	253.5
G62.0	183.1	213.8	259.7	279.1	257.2	208.8	178.6	196.3	232.8	249.6
G63.0	175.9	207.4	254.7	274.9	252.5	202.5	171.3	190.5	228.0	245.4
G64.0	168.2	201.3	250.0	270.7	247.6	196.8	163.7	184.5	223.7	241.5
G65.0	160.6	195.4	245.4	266.5	243.1	190.9	156.4	178.8	219.3	237.6
G66.0	153.1	189.4	240.6	261.9	238.4	185.1	149.1	173.0	215.0	233.7
G67.0	145.3	183.1	236.0	257.6	233.8	178.9	141.4	167.4	210.8	229.9
G68.0	137.6	177.1	231.0	253.4	229.0	173.3	133.6	161.5	206.1	225.6
G69.0	130.1	171.2	226.3	248.7	224.3	167.5	126.3	156.0	202.0	221.8
G70.0	122.2	164.9	221.6	244.4	219.8	161.5	118.8	150.5	197.8	217.8
G71.0	114.6	159.1	217.0	240.1	215.0	155.9	111.3	145.1	193.7	214.0
G72.0	106.8	153.3	211.9	235.4	210.4	150.3	103.5	139.6	189.6	210.1
G73.0	99.3	147.6	207.3	231.1	206.0	144.8	96.1	134.3	185.6	205.9

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.008 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	91.4	141.6	202.7	226.8	201.4	139.0	88.7	129.1	181.6	202.0
G75.0	84.1	135.9	197.7	222.5	196.6	133.6	81.0	124.1	177.4	198.2
G76.0	76.6	130.5	193.2	217.9	192.2	128.4	73.8	118.9	173.5	194.4
G77.0	69.8	124.8	188.7	213.6	187.7	122.9	66.7	114.0	169.5	190.5
G78.0	63.0	119.6	184.4	209.4	183.4	117.8	59.7	109.3	165.6	186.8
G79.0	55.2	114.4	179.6	204.8	178.7	112.9	52.6	104.8	161.7	183.0
G80.0	48.1	109.0	175.2	200.6	174.3	107.7	46.0	100.2	157.5	179.1
G81.0	41.2	104.0	170.8	196.4	170.0	103.0	39.4	95.6	153.6	175.5
G82.0	35.2	99.3	166.2	192.2	165.5	98.4	33.3	91.4	149.8	171.8
G83.0	28.9	94.3	162.0	187.6	161.3	94.0	27.4	87.1	145.9	168.3
G84.0	23.5	89.8	157.8	183.5	157.1	89.3	22.1	83.1	142.2	164.4
G85.0	18.1	85.4	153.6	179.2	152.9	85.1	17.1	79.3	138.3	160.9
G86.0	13.6	81.1	149.1	175.1	148.9	81.1	12.6	75.5	134.9	157.4
G87.0	9.6	77.1	145.1	170.8	144.5	77.1	8.9	71.8	131.5	153.8
G88.0	6.4	72.9	141.2	166.6	140.5	72.8	6.0	68.5	128.1	150.4
G89.0	4.3	69.2	137.0	162.4	136.2	68.9	3.7	65.2	124.8	146.8
G90.0	2.8	65.3	133.2	158.4	131.9	64.1	2.4	62.0	121.2	143.4
G91.0	2.1	62.0	129.4	154.4	127.1	59.4	2.0	58.9	118.0	140.0
G92.0	2.0	58.7	125.5	150.5	122.5	54.9	2.1	55.9	114.8	136.8
G93.0	2.1	55.6	121.5	146.1	117.6	51.4	2.3	53.1	111.6	133.3
G94.0	2.0	52.5	117.9	142.1	113.3	49.3	2.4	50.4	108.2	130.1
G95.0	2.0	49.7	114.3	137.9	109.6	47.7	2.5	47.8	104.9	127.0
G96.0	2.2	47.0	110.8	133.5	107.1	45.8	2.5	45.4	101.7	123.7
G97.0	2.3	44.4	107.0	129.7	104.7	43.6	2.7	42.9	98.6	120.6
G98.0	2.3	41.8	103.7	126.2	102.1	41.1	2.8	40.4	95.5	117.6
G99.0	2.4	39.5	100.4	122.7	99.2	39.1	3.0	36.8	92.2	114.4
G100.0	2.6	37.2	96.8	119.1	95.8	37.3	3.0	33.5	89.2	111.4
G101.0	2.6	34.9	93.7	115.9	92.7	35.1	3.1	30.9	85.6	108.4
G102.0	2.7	29.0	90.5	112.3	89.3	28.8	3.2	29.0	75.4	105.3
G103.0	2.9	25.6	86.9	109.1	86.2	25.5	3.5	27.0	62.8	101.6
G104.0	2.8	23.1	83.7	105.7	83.2	23.2	3.5	25.3	59.7	89.9
G105.0	2.8	21.1	80.6	102.4	80.3	21.3	3.5	23.8	57.0	77.2
G106.0	3.0	20.0	77.1	99.0	77.1	20.2	3.5	22.5	57.2	74.3
G107.0	3.1	19.6	74.0	95.7	74.3	19.9	3.7	21.7	60.4	72.3
G108.0	3.0	18.8	71.2	92.5	71.6	19.2	3.8	20.7	59.7	71.0
G109.0	3.3	18.1	68.2	89.2	68.3	18.5	3.8	19.8	58.0	75.0
G110.0	3.3	17.2	58.8	86.1	58.2	17.7	4.0	19.0	56.2	77.2

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.008 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	3.3	16.4	49.8	83.0	50.5	16.7	4.0	18.1	54.4	75.7
G112.0	3.4	15.6	47.1	79.3	47.8	16.1	4.2	17.4	52.4	72.9
G113.0	3.6	14.8	44.4	67.5	45.6	15.4	4.3	16.7	50.6	70.1
G114.0	3.5	14.2	42.4	59.8	43.5	14.7	4.3	16.0	48.8	67.6
G115.0	3.7	13.5	40.5	56.8	41.6	14.1	4.4	15.4	46.8	65.1
G116.0	3.8	12.9	38.9	54.7	40.1	13.5	4.6	14.1	45.0	62.8
G117.0	3.6	12.4	40.2	52.8	41.5	12.8	4.5	12.9	43.3	60.7
G118.0	3.8	12.0	40.6	50.9	41.8	12.3	4.6	12.7	41.6	58.5
G119.0	3.8	11.6	39.1	49.1	40.4	11.9	4.8	12.4	40.0	56.3
G120.0	3.7	11.1	37.8	47.6	39.0	11.5	4.9	12.2	38.2	53.9
G121.0	3.7	10.8	36.3	49.8	37.5	11.2	4.9	12.0	36.6	51.8
G122.0	3.9	10.4	34.5	48.9	35.6	10.8	5.0	11.7	35.0	49.7
G123.0	4.0	10.1	32.8	47.4	34.0	10.5	5.0	11.5	33.5	47.5
G124.0	3.8	9.8	31.4	45.8	32.4	10.2	5.1	11.2	32.0	45.5
G125.0	4.0	9.5	29.5	44.1	30.6	9.9	5.1	10.9	30.4	43.6
G126.0	3.9	9.2	28.2	42.0	29.0	9.6	5.3	10.7	29.0	41.6
G127.0	4.1	8.9	26.5	39.9	27.4	9.3	5.4	10.5	27.7	39.8
G128.0	4.2	8.7	25.0	37.7	25.9	9.1	5.3	10.2	26.4	38.1
G129.0	4.1	8.5	23.7	35.8	24.5	8.9	5.5	10.0	24.9	36.4
G130.0	4.2	8.3	22.4	34.0	23.2	8.7	5.6	9.8	23.6	34.6
G131.0	4.5	8.0	21.0	32.1	21.8	8.4	5.5	9.6	22.3	33.0
G132.0	4.4	7.8	20.1	30.1	20.7	8.3	5.6	9.4	21.5	31.5
G133.0	4.5	7.5	19.2	28.5	19.9	8.1	5.6	9.2	20.7	30.0
G134.0	4.8	7.1	18.2	26.9	19.0	7.8	5.8	9.0	20.1	28.4
G135.0	4.7	7.1	17.5	25.1	18.3	7.7	5.8	8.9	19.4	27.1
G136.0	4.9	6.9	16.6	23.8	17.6	7.4	5.7	8.6	18.8	26.0
G137.0	5.0	6.7	16.1	22.7	16.9	7.3	5.7	8.4	18.2	25.0
G138.0	4.9	6.6	15.3	21.5	16.2	7.2	5.8	8.3	17.6	24.1
G139.0	5.2	6.3	14.8	20.6	15.6	7.0	5.7	8.2	17.1	23.0
G140.0	5.1	6.2	14.3	19.6	15.0	7.0	5.7	8.0	16.5	22.1
G141.0	5.2	6.2	13.5	18.8	14.4	6.7	5.6	7.8	16.0	21.4
G142.0	5.4	6.0	13.0	17.9	13.9	6.8	5.8	7.7	15.4	20.5
G143.0	5.3	6.1	12.6	17.0	13.4	6.7	5.8	7.7	14.9	19.6
G144.0	5.3	6.0	11.9	16.2	12.9	6.5	5.6	7.5	14.5	18.9
G145.0	5.5	5.9	11.4	15.5	12.5	6.4	5.6	7.4	14.0	18.2
G146.0	5.4	5.9	11.1	14.7	12.0	6.5	5.7	7.4	13.5	17.5
G147.0	5.4	5.9	10.5	14.0	11.6	6.2	5.7	7.4	13.1	16.7

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.008 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	5.6	5.8	10.3	13.5	11.3	6.4	5.7	7.3	12.7	16.1
G149.0	5.7	5.8	10.0	12.8	10.9	6.3	5.5	7.2	12.4	15.6
G150.0	5.5	5.9	9.4	12.2	10.5	6.1	5.7	7.2	11.9	14.8
G151.0	5.7	5.7	9.2	11.8	10.3	6.3	5.5	7.1	11.6	14.4
G152.0	5.6	5.8	8.6	11.1	9.9	6.1	5.7	7.1	11.2	13.9
G153.0	5.8	5.8	8.2	10.8	9.7	6.2	5.7	7.0	10.9	13.2
G154.0	5.8	5.8	8.0	10.2	9.4	6.1	5.8	7.0	10.6	12.7
G155.0	5.7	5.7	7.8	9.9	9.1	5.9	5.6	6.8	10.4	12.3
G156.0	5.8	5.7	7.4	9.5	8.9	5.9	5.7	6.8	10.1	11.8
G157.0	5.9	5.8	7.3	9.3	8.7	6.0	5.9	6.8	9.7	11.4
G158.0	5.9	5.7	6.9	8.8	8.5	6.0	5.9	6.7	9.5	10.9
G159.0	5.8	5.8	6.7	8.6	8.2	5.8	5.7	6.6	9.3	10.6
G160.0	6.0	5.7	6.8	8.2	8.2	5.9	5.9	6.6	9.0	10.4
G161.0	5.9	5.7	6.5	7.9	7.9	5.7	5.9	6.6	8.8	9.9
G162.0	6.0	5.7	6.5	7.7	7.9	5.9	5.7	6.6	8.6	9.7
G163.0	6.0	5.6	6.4	7.4	7.7	5.9	5.7	6.4	8.4	9.3
G164.0	5.9	5.8	6.2	7.4	7.7	5.7	5.9	6.5	8.1	9.1
G165.0	5.9	5.7	6.2	7.3	7.4	5.7	5.7	6.4	8.1	8.7
G166.0	5.9	5.8	6.1	7.0	7.3	5.7	5.7	6.3	7.9	8.5
G167.0	6.0	5.6	6.2	6.8	7.4	5.7	5.7	6.4	7.7	8.1
G168.0	6.0	5.7	6.2	6.7	7.4	5.8	5.7	6.3	7.6	7.7
G169.0	5.8	5.8	6.0	6.7	7.3	5.7	5.8	6.4	7.4	7.6
G170.0	5.8	5.9	6.0	6.6	7.3	5.9	5.8	6.4	7.3	7.3
G171.0	5.9	5.7	6.1	6.6	7.1	5.9	5.8	6.4	7.2	7.4
G172.0	5.9	5.8	6.1	6.3	7.0	5.8	5.8	6.3	7.1	7.2
G173.0	5.8	5.8	6.1	6.3	7.0	5.9	5.8	6.3	7.0	7.1
G174.0	5.7	6.0	6.0	6.4	7.2	6.0	5.8	6.4	6.9	7.1
G175.0	5.7	5.9	6.0	6.3	7.2	6.0	5.6	6.4	6.9	7.1
G176.0	5.8	6.1	6.1	6.4	7.4	6.0	5.8	6.3	6.8	7.0
G177.0	5.7	6.0	6.2	6.5	7.5	6.0	5.6	6.4	6.8	7.1
G178.0	5.7	6.3	6.4	6.7	7.6	6.1	5.8	6.4	6.8	6.9
G179.0	5.7	6.3	6.5	6.8	7.5	6.1	5.7	6.3	6.7	7.0
G180.0	5.7	6.3	6.7	6.8	7.7	6.2	5.7	6.3	6.7	7.0

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.008 m
Humidity:
Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	427.8	426.7	435.9							
G1.0	427.3	426.3	435.9							
G2.0	426.8	425.9	435.8							
G3.0	425.9	425.4	435.6							
G4.0	425.2	424.9	435.1							
G5.0	424.3	424.1	434.6							
G6.0	423.4	423.1	433.8							
G7.0	422.3	421.9	433.0							
G8.0	421.0	420.6	432.0							
G9.0	419.4	419.4	430.8							
G10.0	418.0	417.9	429.5							
G11.0	416.4	416.4	428.0							
G12.0	414.8	414.7	426.4							
G13.0	413.0	412.6	424.7							
G14.0	411.1	410.6	422.8							
G15.0	409.1	408.5	420.8							
G16.0	407.0	406.2	418.6							
G17.0	404.6	403.9	416.2							
G18.0	402.3	401.5	413.8							
G19.0	399.9	398.9	411.2							
G20.0	397.5	396.2	408.5							
G21.0	394.9	393.1	405.4							
G22.0	392.3	390.1	402.4							
G23.0	389.2	387.1	399.3							
G24.0	386.3	383.9	396.1							
G25.0	383.4	380.6	392.6							
G26.0	380.3	377.2	388.9							
G27.0	377.3	373.7	385.3							
G28.0	374.1	369.7	381.5							
G29.0	370.8	366.1	377.4							
G30.0	367.2	362.3	373.4							
G31.0	363.7	358.3	369.0							
G32.0	360.3	354.3	364.8							
G33.0	356.7	350.2	360.4							
G34.0	353.1	346.0	355.8							
G35.0	349.4	341.4	351.0							
G36.0	345.7	337.0	346.3							

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.008 m
Humidity:
Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	341.9	332.5	341.2							
G38.0	337.7	328.0	336.2							
G39.0	333.8	323.2	330.9							
G40.0	329.9	318.5	325.5							
G41.0	325.9	313.7	320.2							
G42.0	321.8	308.6	314.7							
G43.0	317.8	303.6	308.9							
G44.0	313.7	298.7	303.3							
G45.0	309.3	293.5	297.3							
G46.0	305.1	288.4	291.5							
G47.0	300.9	283.2	285.2							
G48.0	296.5	277.6	279.1							
G49.0	292.3	272.4	272.9							
G50.0	287.9	267.0	266.2							
G51.0	283.6	261.6	259.9							
G52.0	279.0	256.0	253.4							
G53.0	274.7	250.6	246.6							
G54.0	270.2	244.8	240.0							
G55.0	265.9	239.3	233.0							
G56.0	261.6	233.8	226.3							
G57.0	256.9	228.1	219.1							
G58.0	252.5	222.5	212.2							
G59.0	248.1	216.9	204.8							
G60.0	243.6	211.0	197.8							
G61.0	239.3	205.4	190.6							
G62.0	234.7	199.6	183.1							
G63.0	230.4	194.0	175.9							
G64.0	226.2	188.4	168.2							
G65.0	221.9	182.9	160.6							
G66.0	217.6	177.1	153.1							
G67.0	213.2	171.7	145.3							
G68.0	209.2	166.1	137.6							
G69.0	205.2	160.8	130.1							
G70.0	200.9	155.2	122.2							
G71.0	196.7	149.9	114.6							
G72.0	192.6	144.7	106.8							
G73.0	188.6	139.6	99.3							

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.008 m
Humidity:
Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	184.3	134.3	91.4							
G75.0	180.3	129.3	84.1							
G76.0	176.3	124.5	76.6							
G77.0	172.4	119.5	69.8							
G78.0	168.3	114.9	63.0							
G79.0	164.4	110.3	55.2							
G80.0	160.6	105.8	48.1							
G81.0	156.6	101.3	41.2							
G82.0	152.9	97.2	35.2							
G83.0	148.9	92.8	28.9							
G84.0	145.3	88.9	23.5							
G85.0	141.6	85.1	18.1							
G86.0	137.9	81.3	13.6							
G87.0	134.4	77.6	9.6							
G88.0	130.8	74.1	6.4							
G89.0	127.4	70.5	4.3							
G90.0	123.9	67.4	2.8							
G91.0	120.6	64.3	2.1							
G92.0	117.2	61.4	2.0							
G93.0	114.0	58.7	2.1							
G94.0	110.8	56.0	2.0							
G95.0	107.7	53.4	2.0							
G96.0	104.7	50.8	2.2							
G97.0	101.5	48.4	2.3							
G98.0	98.5	45.9	2.3							
G99.0	95.6	42.7	2.4							
G100.0	92.8	38.3	2.6							
G101.0	89.6	34.8	2.6							
G102.0	84.5	32.8	2.7							
G103.0	68.1	31.0	2.9							
G104.0	61.3	28.7	2.8							
G105.0	58.5	26.9	2.8							
G106.0	56.5	25.2	3.0							
G107.0	60.3	23.8	3.1							
G108.0	62.7	22.6	3.0							
G109.0	61.4	21.6	3.3							
G110.0	59.7	20.2	3.3							

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.008 m
 Humidity:
 Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	57.8	19.7	3.3							
G112.0	56.1	19.3	3.4							
G113.0	54.5	18.7	3.6							
G114.0	52.7	17.8	3.5							
G115.0	50.8	17.2	3.7							
G116.0	48.9	16.6	3.8							
G117.0	47.3	15.8	3.6							
G118.0	45.6	13.7	3.8							
G119.0	43.7	13.1	3.8							
G120.0	42.0	13.0	3.7							
G121.0	40.3	13.0	3.7							
G122.0	38.8	12.8	3.9							
G123.0	36.9	12.4	4.0							
G124.0	35.4	12.1	3.8							
G125.0	33.9	12.0	4.0							
G126.0	32.4	11.6	3.9							
G127.0	30.3	11.4	4.1							
G128.0	28.5	11.3	4.2							
G129.0	27.6	11.1	4.1							
G130.0	26.6	10.8	4.2							
G131.0	25.4	10.3	4.5							
G132.0	23.7	10.1	4.4							
G133.0	22.9	9.9	4.5							
G134.0	22.2	9.6	4.8							
G135.0	21.7	9.3	4.7							
G136.0	21.1	9.0	4.9							
G137.0	20.2	8.8	5.0							
G138.0	19.6	8.7	4.9							
G139.0	19.1	8.6	5.2							
G140.0	18.4	8.4	5.1							
G141.0	17.3	8.3	5.2							
G142.0	16.6	8.4	5.4							
G143.0	16.0	8.4	5.3							
G144.0	14.9	8.2	5.3							
G145.0	14.2	8.3	5.5							
G146.0	13.8	8.2	5.4							
G147.0	13.4	8.2	5.4							

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.008 m
 Humidity:
 Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	13.0	8.0	5.6							
G149.0	12.4	7.9	5.7							
G150.0	12.1	8.0	5.5							
G151.0	11.4	7.7	5.7							
G152.0	11.0	7.8	5.6							
G153.0	11.0	7.7	5.8							
G154.0	10.8	7.7	5.8							
G155.0	10.5	7.6	5.7							
G156.0	10.2	7.3	5.8							
G157.0	10.2	7.3	5.9							
G158.0	10.2	7.3	5.9							
G159.0	9.8	7.1	5.8							
G160.0	9.6	7.0	6.0							
G161.0	9.6	7.0	5.9							
G162.0	9.4	6.8	6.0							
G163.0	9.2	6.8	6.0							
G164.0	9.0	6.7	5.9							
G165.0	8.8	6.7	5.9							
G166.0	8.7	6.7	5.9							
G167.0	8.6	6.5	6.0							
G168.0	8.5	6.4	6.0							
G169.0	8.5	6.4	5.8							
G170.0	8.3	6.5	5.8							
G171.0	8.1	6.3	5.9							
G172.0	8.1	6.5	5.9							
G173.0	8.0	6.4	5.8							
G174.0	7.9	6.3	5.7							
G175.0	7.8	6.3	5.7							
G176.0	7.8	6.3	5.8							
G177.0	7.8	6.3	5.7							
G178.0	7.7	6.3	5.7							
G179.0	7.7	6.2	5.7							
G180.0	7.7	6.2	5.7							

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.008 m
 Humidity:
 Inspector: