

Report No.:

Test Time: 2024-11-09 10:12

Luminaire Property

Luminaire Manufacturer: 6737
Luminous Length (mm): 100
Luminous Height (mm): 18
Current: 0.074 A
Power Factor: 1.000

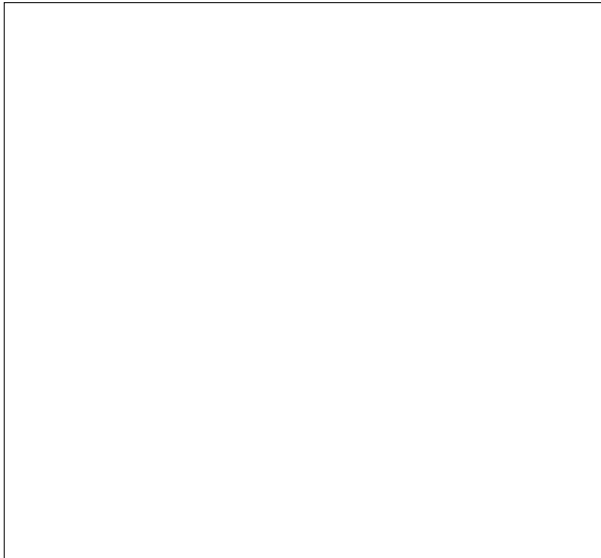
Luminous Width (mm): 18
Voltage: 48.0 V
Power: 3.53 W

Photometric Results

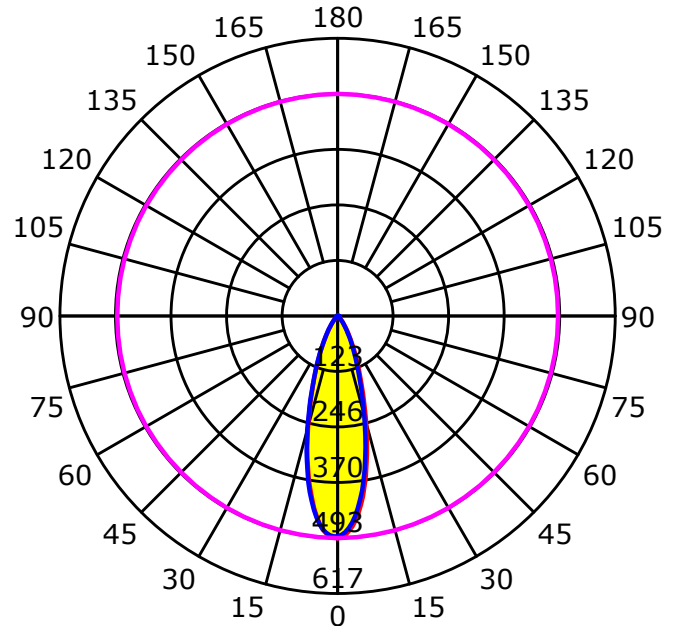
CIE Class: Direct
Measurement Flux: 190.1 lm
Downward Ratio: 99%
Horizontal Diffuse Angle(10%,50%,75%,100%): H61.5,H30.3,H19.5,H0
Vertical Diffuse Angle(10%,50%,75%,100%): V61,V29.9,V19.4,V1
Luminaire Efficacy Rating (LER): 53.90
Max. Intensity: 493.86 cd
S/MH(C0/C180): 0.50

Total Rated Lamp Lumens: 190.1 lm
Efficiency: 100%
Upward Ratio: 1%
Central Intensity: 493.86 cd
Pos of Max. Intensity: H0 V0
S/MH(C90/C270): 0.50

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 30.1°

— C0-C180 — C90-C270 — G0

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

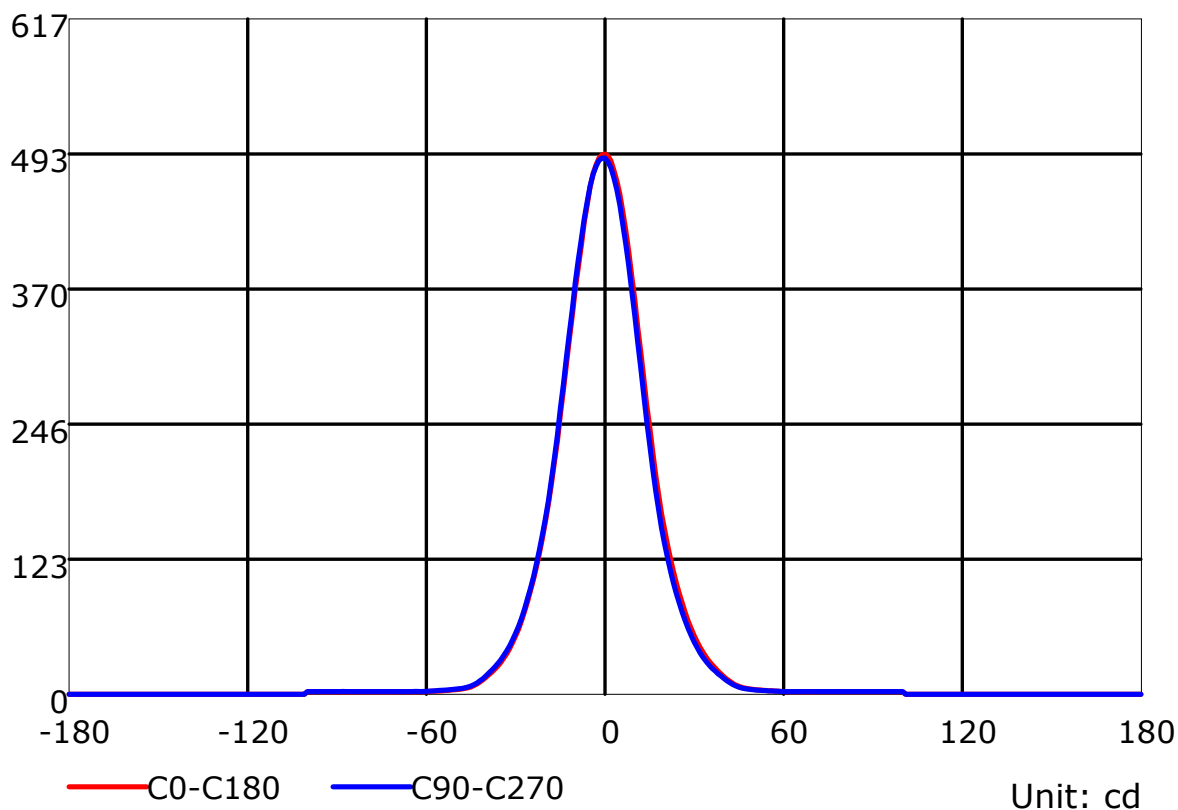
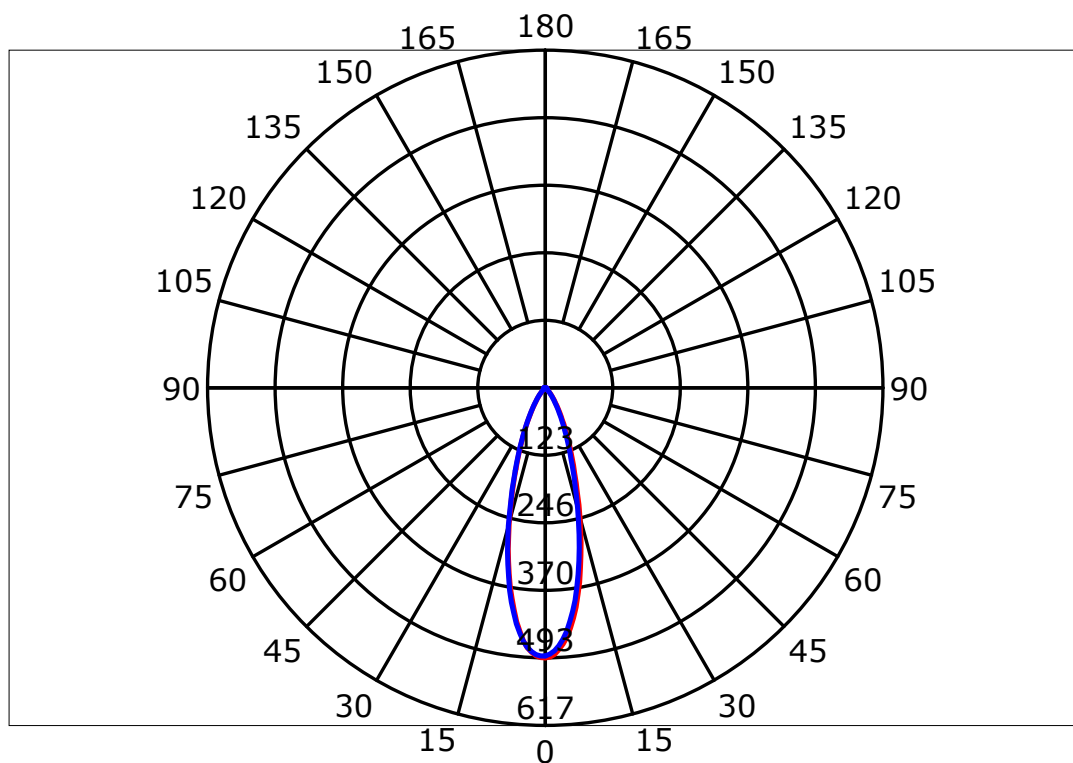
Test Device: GPM-1600L

Distance: 7.754 m

Humidity:

Inspector:

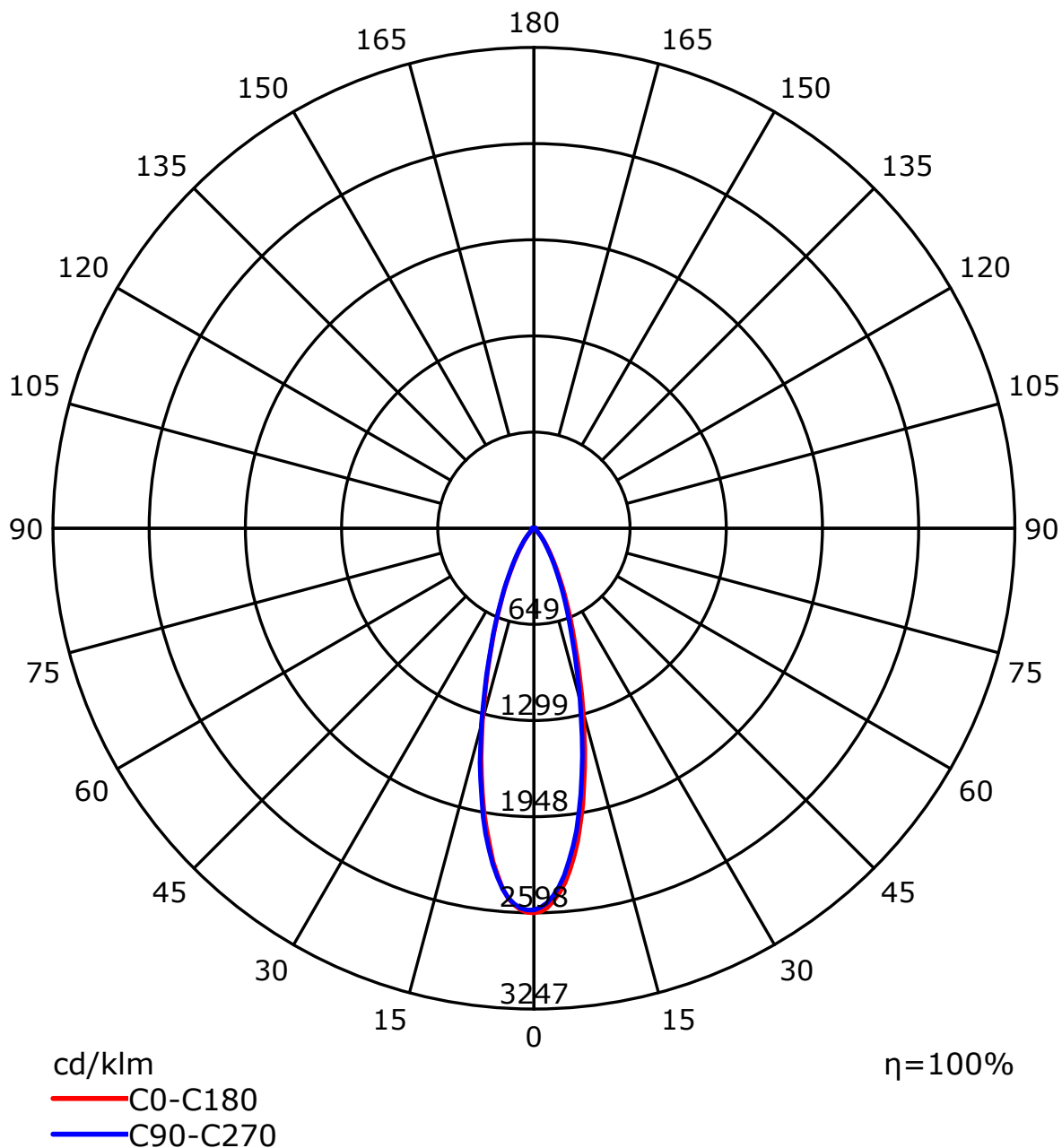
Luminous Intensity Distribution Curve



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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.754 m
Humidity:
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



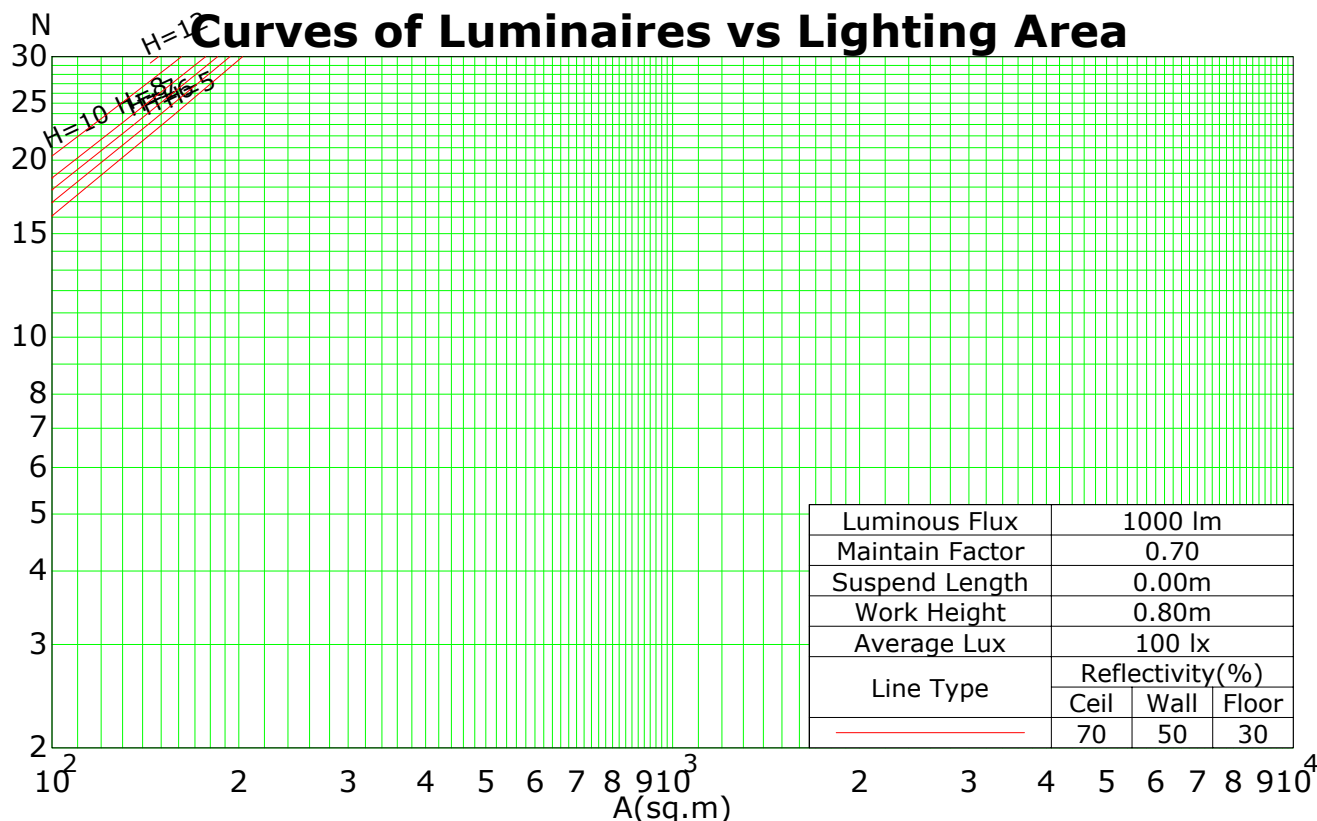
C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.754 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	110	110	110	105	105	105	101	101	101	99
1	113	110	107	105	110	108	105	103	103	102	100	99	98	97	96	95	94	92
2	108	103	99	96	105	101	98	94	98	95	92	94	92	90	91	90	88	86
3	103	97	92	88	101	95	91	88	93	89	86	90	87	84	88	85	83	81
4	99	92	86	82	97	90	86	82	88	84	81	86	82	80	84	81	79	77
5	94	87	81	78	93	86	81	77	84	80	76	82	78	76	80	77	75	73
6	91	83	77	73	89	82	77	73	80	76	72	79	75	72	77	74	71	70
7	87	79	73	70	86	78	73	69	77	72	69	75	71	69	74	71	68	67
8	84	75	70	66	83	75	70	66	74	69	66	73	68	66	72	68	65	64
9	81	72	67	63	80	72	67	63	71	66	63	70	66	63	69	65	63	61
10	78	69	64	61	77	69	64	61	68	64	61	67	63	60	66	63	60	59

Spacing Criteria (0-180): 0.50
Spacing Criteria (90-270): 0.50
Spacing Criteria (Diagonal): 0.52



C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

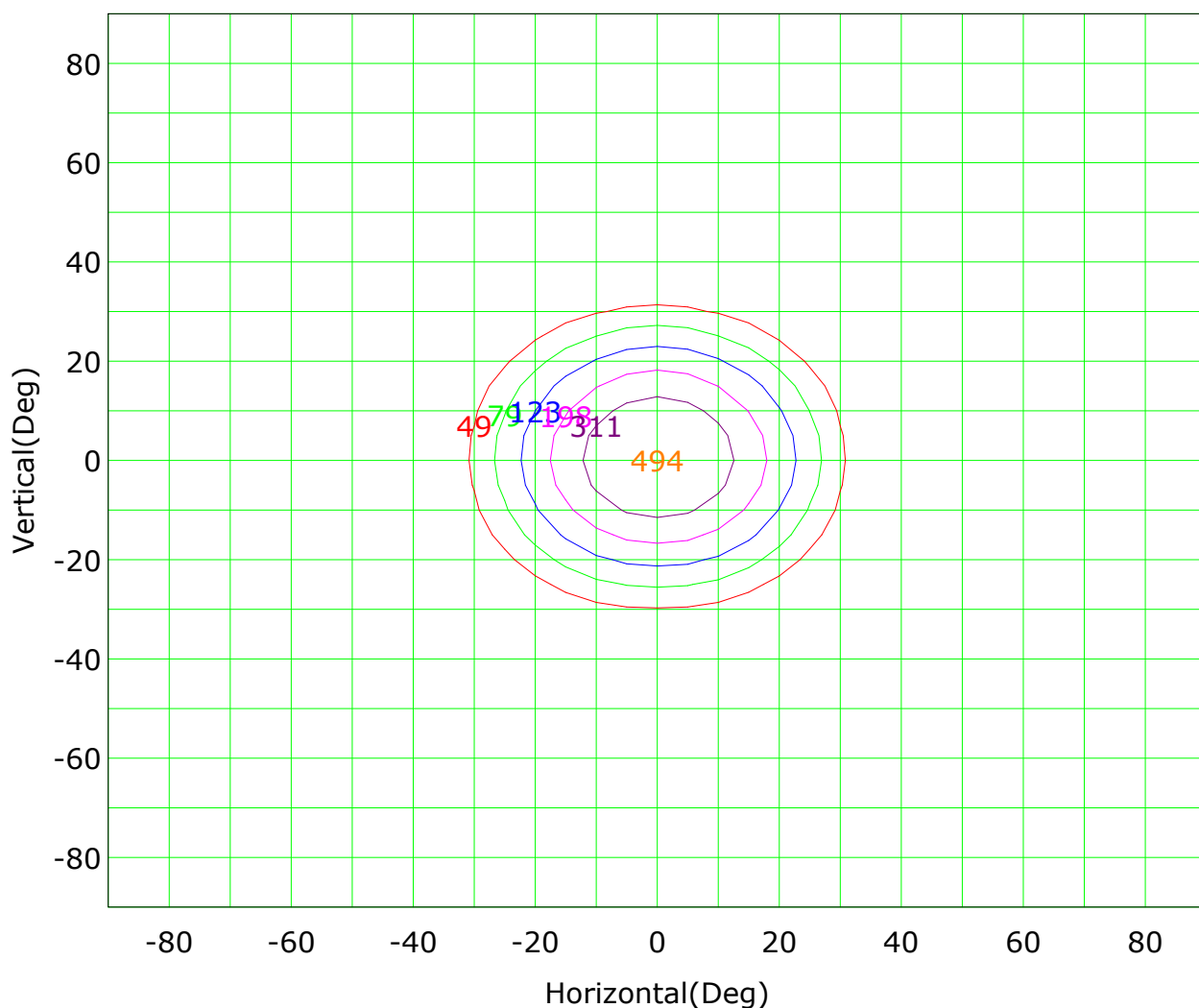
Test Device: GPM-1600L

Distance: 7.754 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 494 cd

(10%):	49 cd	(16%):	79 cd
(25%):	123 cd	(40%):	198 cd
(63%):	311 cd	(100%):	494 cd

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

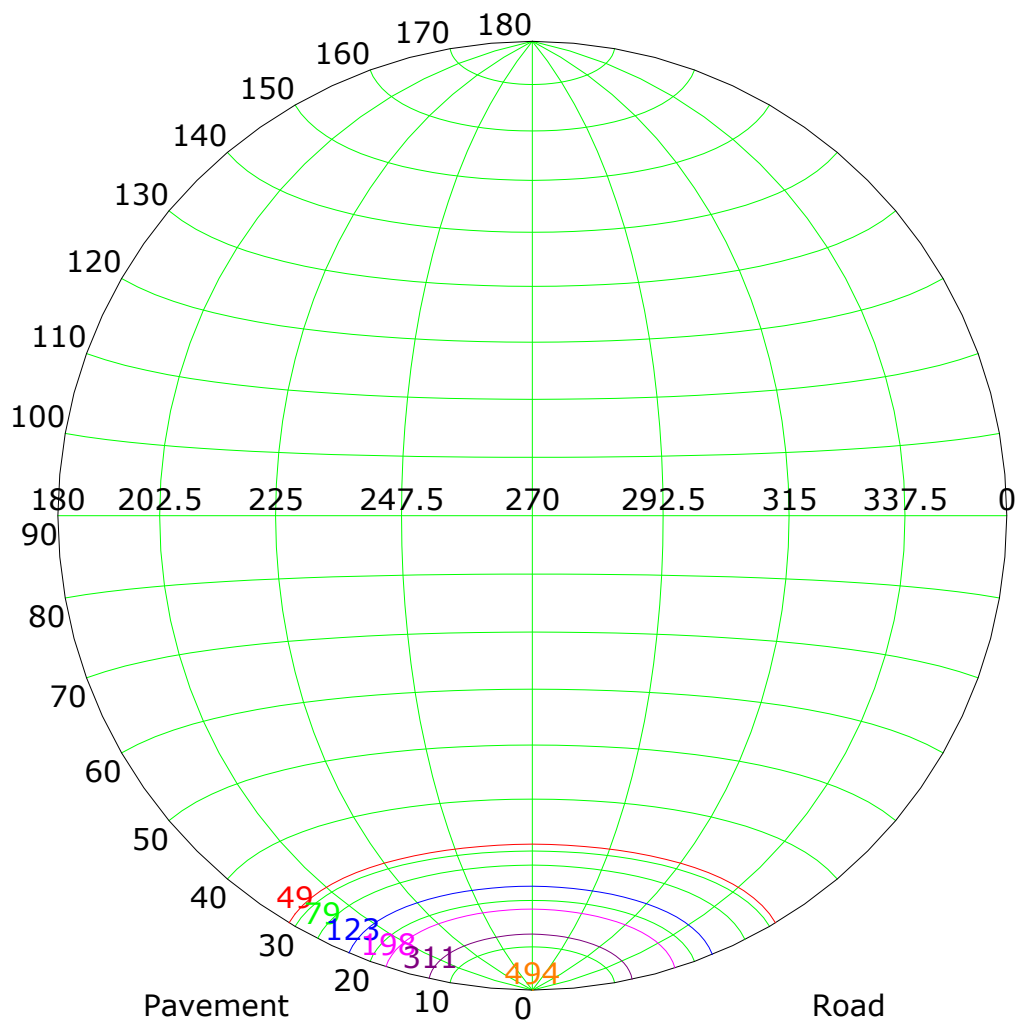
Test Device: GPM-1600L

Distance: 7.754 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 494 cd

— (10%):	49 cd	— (16%):	79 cd
— (25%):	123 cd	— (40%):	198 cd
— (63%):	311 cd	— (100%):	494 cd

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

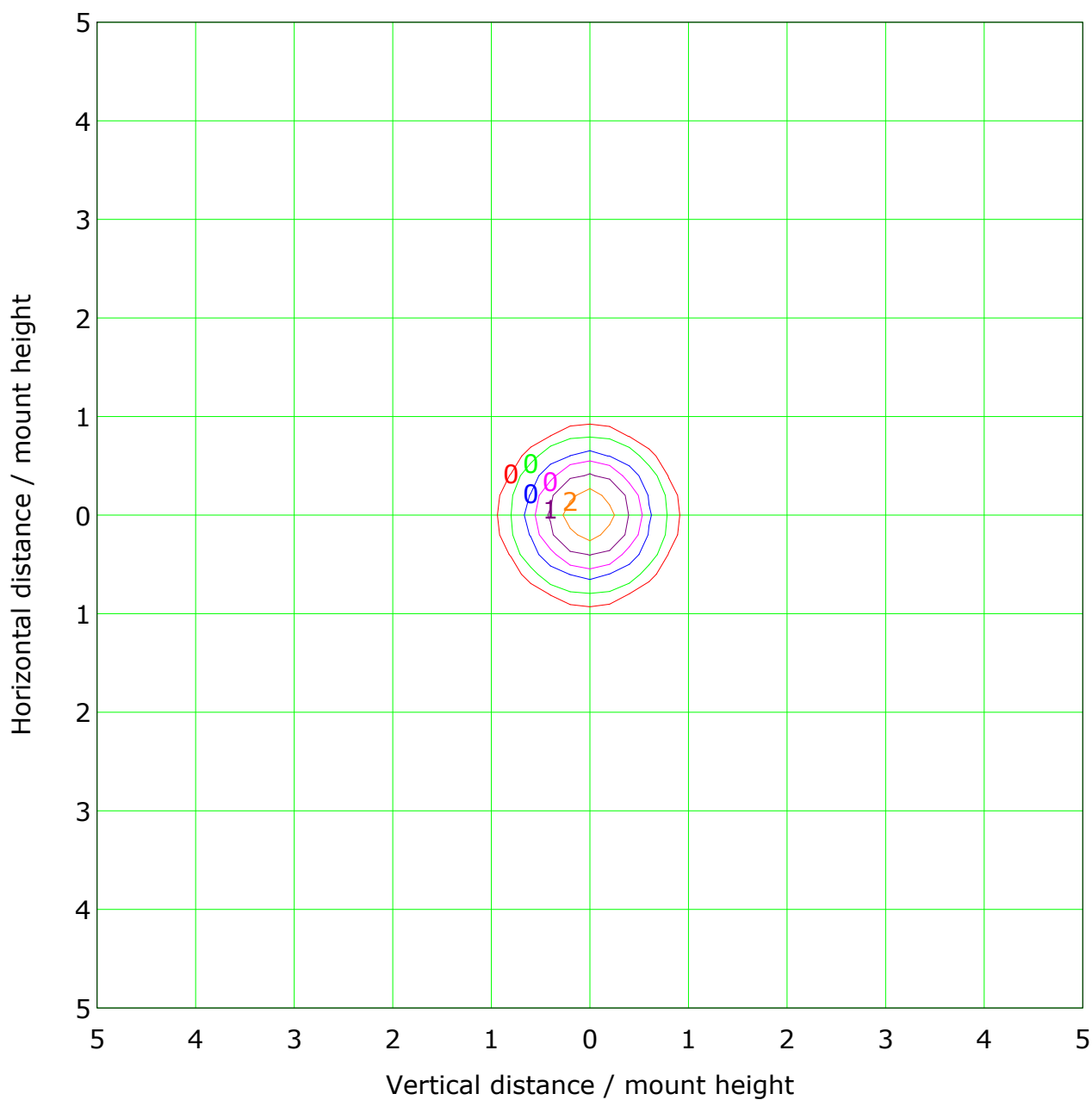
Test Device: GPM-1600L

Distance: 7.754 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 4.9 lx

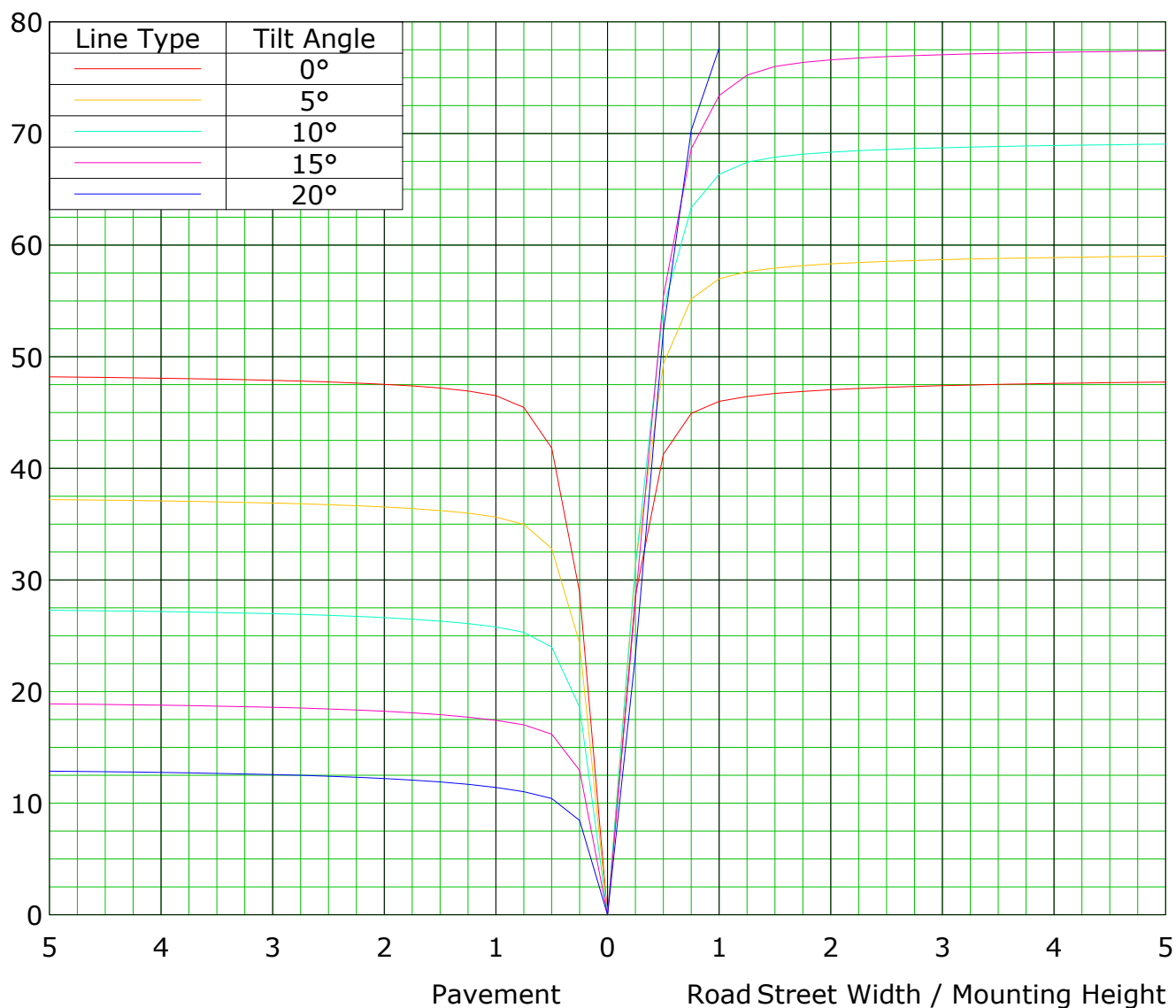
(1%): 0.0 lx	(2%): 0.1 lx
(5%): 0.2 lx	(10%): 0.5 lx
(20%): 1.0 lx	(50%): 2.5 lx
(100%): 4.9 lx	

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.754 m
Humidity:
Inspector:

Roadway CU Curve

Efficiency(%)

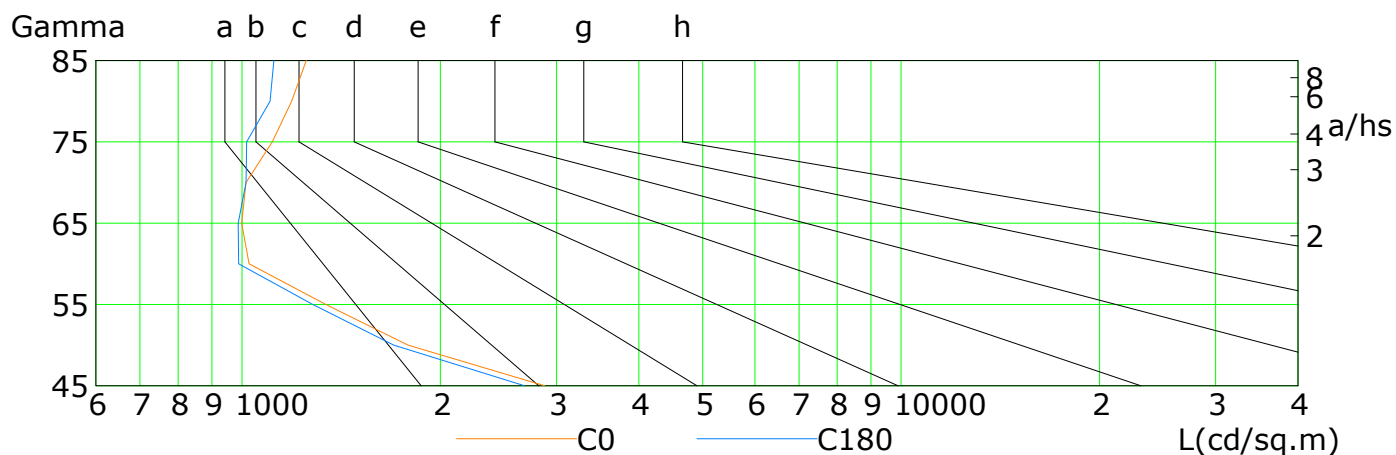
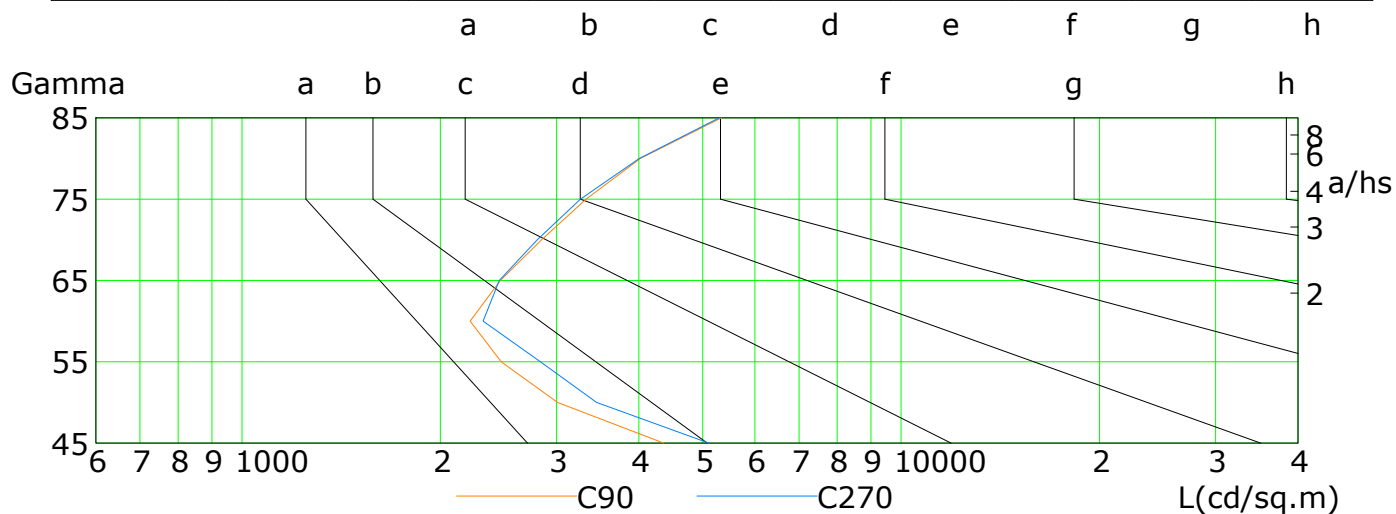


C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.754 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	2879	1786	1340	1025	999	1014	1111	1189	1251
C90	4361	3010	2473	2219	2466	2848	3325	4021	5337
C180	2683	1700	1280	988	987	1014	1016	1103	1118
C270	5107	3451	2835	2321	2456	2804	3261	4005	5296

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

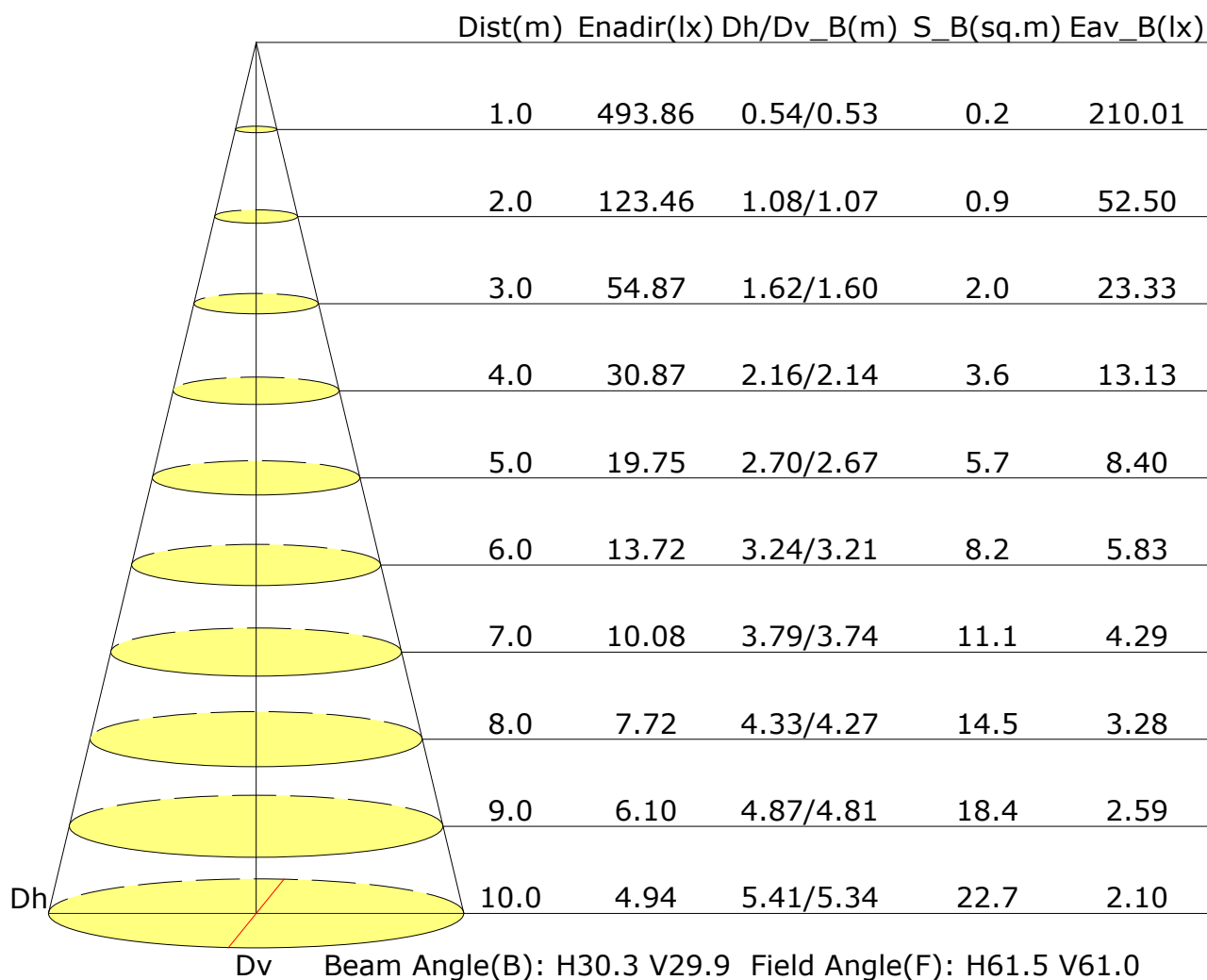
Test Device: GPM-1600L

Distance: 7.754 m

Humidity:

Inspector:

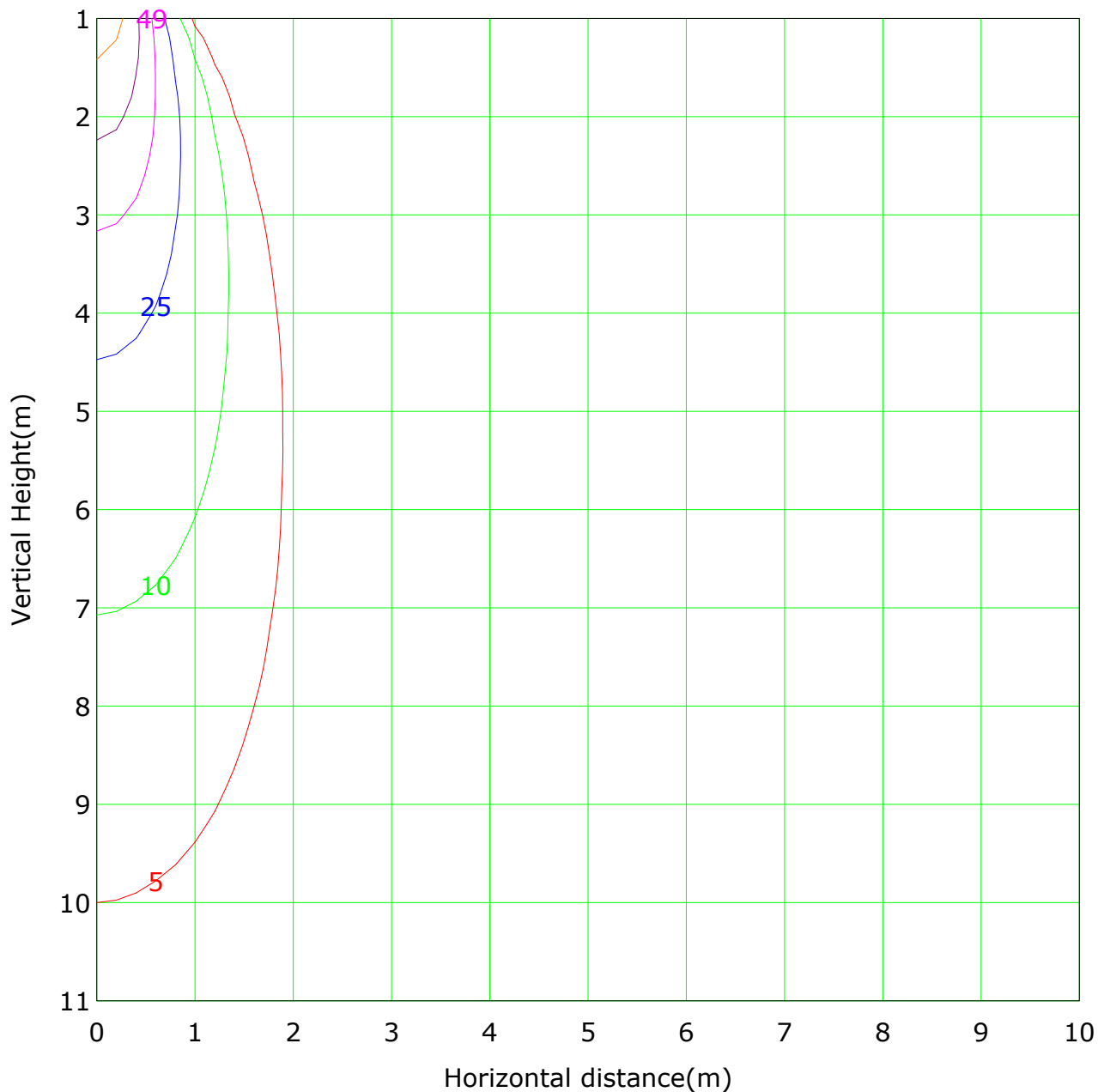
Illuminance at a Distance



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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.754 m
Humidity:
Inspector:

Vertical IsoLux Plot



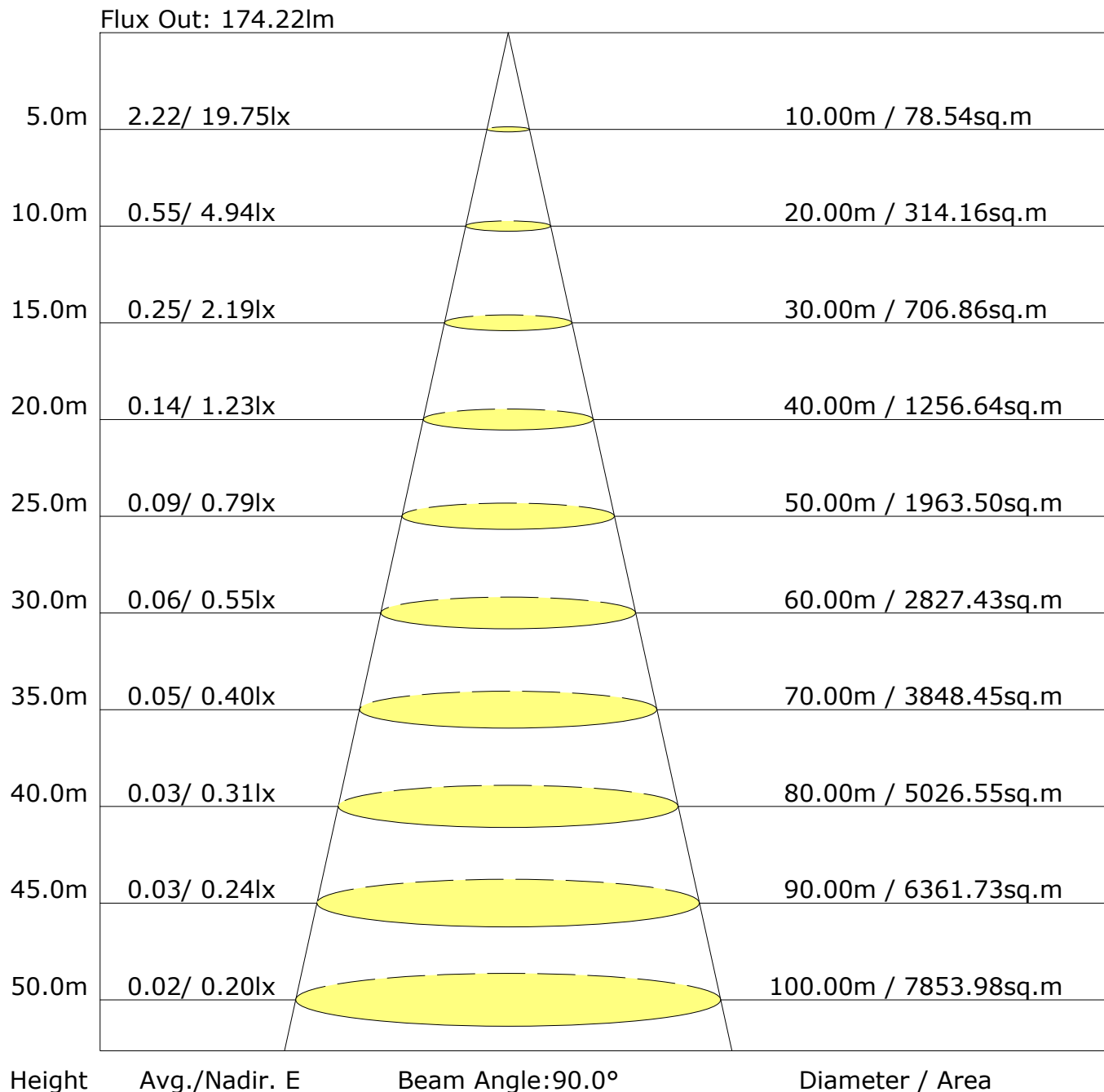
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 493.9 lx
— (1%): 4.9 lx — (2%): 9.9 lx
— (5%): 24.7 lx — (10%): 49.4 lx
— (20%): 98.8 lx — (50%): 246.9 lx
— (100%): 493.9 lx

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.754 m
Humidity:
Inspector:

Inspector:

The Average Illuminance Effective Figure



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

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 7.754 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	10.5	11.3	10.8	11.5	11.7	11.4	12.2	11.7	12.4	12.6
3H	10.9	11.6	11.2	11.9	12.1	12.1	12.8	12.4	13.1	13.3
4H	11.3	11.9	11.6	12.2	12.5	12.8	13.5	13.1	13.7	14.0
6H	11.8	12.4	12.2	12.8	13.1	13.7	14.4	14.1	14.7	15.0
8H	12.1	12.8	12.5	13.1	13.4	14.3	14.9	14.7	15.3	15.6
12H	12.5	13.1	12.9	13.4	13.8	15.0	15.6	15.4	15.9	16.3
X=4H Y=2H	10.5	11.2	10.9	11.5	11.8	11.4	12.0	11.7	12.3	12.6
3H	11.2	11.7	11.5	12.1	12.4	12.3	12.9	12.7	13.2	13.6
4H	11.8	12.3	12.2	12.6	13.0	13.2	13.7	13.6	14.1	14.5
6H	12.6	13.0	13.0	13.4	13.8	14.4	14.9	14.8	15.3	15.7
8H	13.0	13.5	13.5	13.9	14.3	15.1	15.6	15.6	16.0	16.4
12H	13.5	13.9	14.0	14.3	14.8	16.0	16.4	16.5	16.8	17.3
X=8H Y=4H	12.1	12.5	12.5	12.9	13.4	13.4	13.8	13.8	14.2	14.7
6H	13.1	13.5	13.6	13.9	14.4	14.8	15.1	15.3	15.6	16.1
8H	13.8	14.1	14.3	14.5	15.0	15.7	16.0	16.2	16.5	17.0
12H	14.4	14.7	15.0	15.2	15.7	16.7	17.0	17.2	17.5	18.0
X=12H Y=4H	12.2	12.6	12.6	13.0	13.5	13.4	13.8	13.9	14.2	14.7
6H	13.3	13.6	13.8	14.1	14.6	14.9	15.2	15.4	15.7	16.2
8H	14.0	14.3	14.5	14.8	15.3	15.8	16.1	16.3	16.6	17.1
Variations with the observer position at spacings:										
S=1.0H	+2.2/-1.2					+2.1/-1.1				
S=1.5H	+4.0/-1.6					+3.8/-1.6				
S=2.0H	+5.7/-2.0					+5.4/-2.1				

Calculate in accordance with CIE Pub.117. The table is revised with 190lm ($8\log(F/F_0) = -5.8$).

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.754 m
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

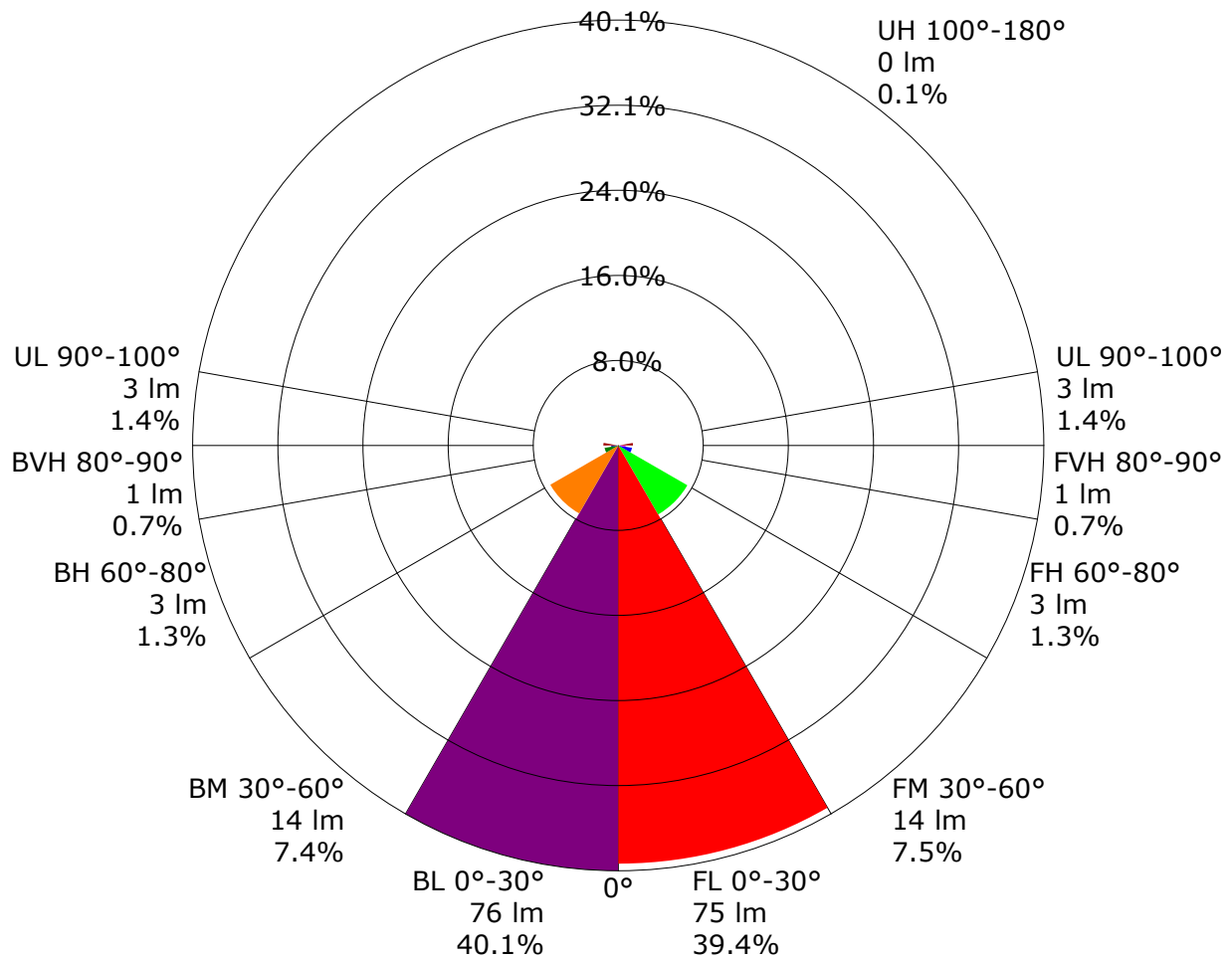
	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	93	49.0
	FL (0°-30°)	75	39.4
	FM (30°-60°)	14	7.5
	FH (60°-80°)	3	1.3
	FVH (80°-90°)	1	0.7
	BACK LIGHT	94	49.5
	BL (0°-30°)	76	40.1
	BM (30°-60°)	14	7.4
	BH (60°-80°)	3	1.3
	BVH (80°-90°)	1	0.7
	UP LIGHT	3	1.5
	UL (90°-100°)	3	1.4
	UH (100°-180°)	0	0.1
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B0 U1 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B0 U1 G0

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.754 m
Humidity:
Inspector:

LCS Graph



Back Light

Forward Light

Scale= MAX LCS%

Trapped Light:NA,NA

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 0.75									
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	0.89	0.94	0.97	1.00	1.03	1.06	1.07	1.10	1.11	
	0.30		0.85	0.90	0.93	0.96	1.00	1.03	1.05	1.07	1.09	
	0.20		0.82	0.87	0.90	0.93	0.97	1.00	1.02	1.05	1.07	
0.50	0.50	0.20	0.87	0.92	0.95	0.97	1.00	1.02	1.04	1.06	1.07	
	0.30		0.84	0.89	0.92	0.94	0.98	1.00	1.01	1.04	1.05	
	0.20		0.81	0.86	0.89	0.92	0.95	0.98	1.00	1.02	1.04	
0.30	0.50	0.20	0.86	0.90	0.93	0.95	0.98	0.99	1.00	1.02	1.03	
	0.30		0.83	0.87	0.90	0.92	0.95	0.97	0.99	1.00	1.01	
	0.20		0.81	0.85	0.88	0.90	0.93	0.95	0.97	0.99	1.00	
0.00	0.00	0.00	0.79	0.83	0.86	0.88	0.90	0.92	0.93	0.94	0.95	
Rating:4W 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 = 0.75									
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	0.53	0.44	0.37	0.33	0.26	0.22	0.19	0.15	0.12	
	0.30		0.44	0.37	0.33	0.29	0.24	0.20	0.18	0.14	0.12	
	0.20		0.38	0.33	0.29	0.26	0.22	0.19	0.16	0.13	0.11	
0.50	0.50	0.20	0.50	0.41	0.35	0.30	0.24	0.24	0.18	0.14	0.11	
	0.30		0.42	0.36	0.31	0.27	0.22	0.19	0.16	0.13	0.11	
	0.20		0.37	0.31	0.28	0.25	0.20	0.17	0.15	0.12	0.10	
0.30	0.50	0.20	0.48	0.38	0.33	0.28	0.22	0.19	0.16	0.12	0.10	
	0.30		0.41	0.34	0.29	0.26	0.21	0.17	0.15	0.12	0.10	
	0.20		0.36	0.30	0.26	0.23	0.19	0.16	0.14	0.11	0.10	
0.00	0.00	0.00	0.21	0.17	0.15	0.13	0.10	0.09	0.07	0.06	0.05	
Rating:4W 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 = 0.75									
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	0.14	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.22	
	0.30		0.10	0.12	0.14	0.15	0.17	0.18	0.19	0.20	0.21	
	0.20		0.08	0.10	0.11	0.13	0.15	0.16	0.17	0.19	0.20	
0.50	0.50	0.20	0.13	0.15	0.16	0.17	0.19	0.19	0.20	0.21	0.21	
	0.30		0.10	0.12	0.13	0.15	0.16	0.17	0.18	0.19	0.20	
	0.20		0.08	0.09	0.11	0.12	0.14	0.16	0.17	0.18	0.19	
0.30	0.50	0.20	0.13	0.15	0.16	0.17	0.18	0.19	0.19	0.20	0.21	
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.19	
	0.20		0.08	0.09	0.11	0.12	0.14	0.15	0.16	0.18	0.18	
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Rating:4W 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	491.3	0.5	0.5	0.25	0.25
1.0-2.0	488.7	1.4	1.9	0.74	0.99
2.0-3.0	483.3	2.3	4.2	1.22	2.20
3.0-4.0	475.1	3.2	7.4	1.67	3.87
4.0-5.0	464.4	4.0	11.4	2.10	5.98
5.0-6.0	450.2	4.7	16.1	2.49	8.47
6.0-7.0	433.7	5.4	21.5	2.83	11.30
7.0-8.0	415.5	5.9	27.4	3.13	14.43
8.0-9.0	395.2	6.4	33.8	3.37	17.80
9.0-10.0	374.0	6.8	40.6	3.56	21.36
10.0-11.0	351.4	7.0	47.6	3.69	25.05
11.0-12.0	328.0	7.2	54.8	3.77	28.82
12.0-13.0	305.3	7.2	62.0	3.81	32.64
13.0-14.0	281.5	7.2	69.2	3.79	36.43
14.0-15.0	258.4	7.1	76.3	3.73	40.16
15.0-16.0	236.2	6.9	83.3	3.64	43.80
16.0-17.0	214.4	6.7	89.9	3.51	47.32
17.0-18.0	195.0	6.4	96.4	3.38	50.70
18.0-19.0	176.6	6.1	102.5	3.23	53.93
19.0-20.0	159.6	5.8	108.4	3.07	57.00
20.0-21.0	145.0	5.6	113.9	2.93	59.94
21.0-22.0	131.5	5.3	119.2	2.78	62.71
22.0-23.0	118.9	5.0	124.2	2.63	65.34
23.0-24.0	107.4	4.7	128.9	2.47	67.81
24.0-25.0	96.7	4.4	133.3	2.31	70.12
25.0-26.0	87.3	4.1	137.4	2.17	72.29
26.0-27.0	78.4	3.8	141.2	2.02	74.31
27.0-28.0	70.0	3.5	144.8	1.87	76.18
28.0-29.0	62.6	3.3	148.1	1.72	77.90
29.0-30.0	55.8	3.0	151.1	1.59	79.48
30.0-31.0	49.9	2.8	153.9	1.46	80.95
31.0-32.0	44.5	2.5	156.4	1.34	82.29
32.0-33.0	39.5	2.3	158.7	1.23	83.51
33.0-34.0	35.3	2.1	160.9	1.12	84.64
34.0-35.0	31.3	1.9	162.8	1.02	85.66
35.0-36.0	27.8	1.8	164.6	0.93	86.59

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.754 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	24.9	1.6	166.2	0.85	87.44
37.0-38.0	22.1	1.5	167.7	0.78	88.22
38.0-39.0	19.5	1.3	169.0	0.70	88.92
39.0-40.0	17.0	1.2	170.2	0.62	89.54
40.0-41.0	14.6	1.0	171.2	0.55	90.09
41.0-42.0	12.6	0.9	172.2	0.48	90.57
42.0-43.0	10.7	0.8	173.0	0.42	90.99
43.0-44.0	9.0	0.7	173.6	0.36	91.35
44.0-45.0	7.7	0.6	174.2	0.31	91.66
45.0-46.0	6.7	0.5	174.7	0.27	91.93
46.0-47.0	5.9	0.5	175.2	0.25	92.18
47.0-48.0	5.4	0.4	175.6	0.23	92.41
48.0-49.0	5.0	0.4	176.1	0.21	92.62
49.0-50.0	4.6	0.4	176.4	0.20	92.83
50.0-51.0	4.4	0.4	176.8	0.19	93.02
51.0-52.0	4.1	0.4	177.2	0.18	93.20
52.0-53.0	3.9	0.3	177.5	0.18	93.38
53.0-54.0	3.6	0.3	177.8	0.17	93.55
54.0-55.0	3.5	0.3	178.1	0.16	93.71
55.0-56.0	3.3	0.3	178.4	0.16	93.87
56.0-57.0	3.1	0.3	178.7	0.15	94.02
57.0-58.0	3.0	0.3	179.0	0.15	94.17
58.0-59.0	2.9	0.3	179.3	0.14	94.31
59.0-60.0	2.7	0.3	179.5	0.13	94.44
60.0-61.0	2.5	0.2	179.8	0.13	94.57
61.0-62.0	2.5	0.2	180.0	0.13	94.69
62.0-63.0	2.5	0.2	180.2	0.13	94.82
63.0-64.0	2.5	0.2	180.5	0.13	94.95
64.0-65.0	2.5	0.2	180.7	0.13	95.08
65.0-66.0	2.5	0.2	181.0	0.13	95.21
66.0-67.0	2.5	0.2	181.2	0.13	95.34
67.0-68.0	2.5	0.3	181.5	0.13	95.48
68.0-69.0	2.5	0.3	181.7	0.13	95.61
69.0-70.0	2.5	0.3	182.0	0.13	95.74
70.0-71.0	2.5	0.3	182.2	0.13	95.88
71.0-72.0	2.5	0.3	182.5	0.13	96.01

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 7.754 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	2.5	0.3	182.8	0.14	96.15
73.0-74.0	2.5	0.3	183.0	0.14	96.28
74.0-75.0	2.5	0.3	183.3	0.14	96.42
75.0-76.0	2.5	0.3	183.5	0.14	96.56
76.0-77.0	2.4	0.3	183.8	0.14	96.69
77.0-78.0	2.5	0.3	184.1	0.14	96.83
78.0-79.0	2.5	0.3	184.3	0.14	96.97
79.0-80.0	2.5	0.3	184.6	0.14	97.11
80.0-81.0	2.5	0.3	184.9	0.14	97.25
81.0-82.0	2.4	0.3	185.1	0.14	97.39
82.0-83.0	2.5	0.3	185.4	0.14	97.53
83.0-84.0	2.4	0.3	185.7	0.14	97.67
84.0-85.0	2.4	0.3	185.9	0.14	97.81
85.0-86.0	2.4	0.3	186.2	0.14	97.95
86.0-87.0	2.4	0.3	186.5	0.14	98.09
87.0-88.0	2.5	0.3	186.7	0.14	98.23
88.0-89.0	2.5	0.3	187.0	0.14	98.38
89.0-90.0	2.4	0.3	187.3	0.14	98.52
90.0-91.0	2.4	0.3	187.5	0.14	98.66
91.0-92.0	2.4	0.3	187.8	0.14	98.80
92.0-93.0	2.5	0.3	188.1	0.14	98.94
93.0-94.0	2.5	0.3	188.3	0.14	99.08
94.0-95.0	2.5	0.3	188.6	0.14	99.22
95.0-96.0	2.5	0.3	188.9	0.14	99.37
96.0-97.0	2.5	0.3	189.1	0.14	99.51
97.0-98.0	2.5	0.3	189.4	0.14	99.65
98.0-99.0	2.5	0.3	189.7	0.14	99.79
99.0-100.0	2.5	0.3	189.9	0.14	99.93
100.0-101.0	1.2	0.1	190.1	0.07	100.00
101.0-102.0	0.0	0.0	190.1	0.00	100.00
102.0-103.0	0.0	0.0	190.1	0.00	100.00
103.0-104.0	0.0	0.0	190.1	0.00	100.00
104.0-105.0	0.0	0.0	190.1	0.00	100.00
105.0-106.0	0.0	0.0	190.1	0.00	100.00
106.0-107.0	0.0	0.0	190.1	0.00	100.00
107.0-108.0	0.0	0.0	190.1	0.00	100.00

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 7.754 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	0.0	0.0	190.1	0.00	100.00
109.0-110.0	0.0	0.0	190.1	0.00	100.00
110.0-111.0	0.0	0.0	190.1	0.00	100.00
111.0-112.0	0.0	0.0	190.1	0.00	100.00
112.0-113.0	0.0	0.0	190.1	0.00	100.00
113.0-114.0	0.0	0.0	190.1	0.00	100.00
114.0-115.0	0.0	0.0	190.1	0.00	100.00
115.0-116.0	0.0	0.0	190.1	0.00	100.00
116.0-117.0	0.0	0.0	190.1	0.00	100.00
117.0-118.0	0.0	0.0	190.1	0.00	100.00
118.0-119.0	0.0	0.0	190.1	0.00	100.00
119.0-120.0	0.0	0.0	190.1	0.00	100.00
120.0-121.0	0.0	0.0	190.1	0.00	100.00
121.0-122.0	0.0	0.0	190.1	0.00	100.00
122.0-123.0	0.0	0.0	190.1	0.00	100.00
123.0-124.0	0.0	0.0	190.1	0.00	100.00
124.0-125.0	0.0	0.0	190.1	0.00	100.00
125.0-126.0	0.0	0.0	190.1	0.00	100.00
126.0-127.0	0.0	0.0	190.1	0.00	100.00
127.0-128.0	0.0	0.0	190.1	0.00	100.00
128.0-129.0	0.0	0.0	190.1	0.00	100.00
129.0-130.0	0.0	0.0	190.1	0.00	100.00
130.0-131.0	0.0	0.0	190.1	0.00	100.00
131.0-132.0	0.0	0.0	190.1	0.00	100.00
132.0-133.0	0.0	0.0	190.1	0.00	100.00
133.0-134.0	0.0	0.0	190.1	0.00	100.00
134.0-135.0	0.0	0.0	190.1	0.00	100.00
135.0-136.0	0.0	0.0	190.1	0.00	100.00
136.0-137.0	0.0	0.0	190.1	0.00	100.00
137.0-138.0	0.0	0.0	190.1	0.00	100.00
138.0-139.0	0.0	0.0	190.1	0.00	100.00
139.0-140.0	0.0	0.0	190.1	0.00	100.00
140.0-141.0	0.0	0.0	190.1	0.00	100.00
141.0-142.0	0.0	0.0	190.1	0.00	100.00
142.0-143.0	0.0	0.0	190.1	0.00	100.00
143.0-144.0	0.0	0.0	190.1	0.00	100.00

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 7.754 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	0.0	0.0	190.1	0.00	100.00
145.0-146.0	0.0	0.0	190.1	0.00	100.00
146.0-147.0	0.0	0.0	190.1	0.00	100.00
147.0-148.0	0.0	0.0	190.1	0.00	100.00
148.0-149.0	0.0	0.0	190.1	0.00	100.00
149.0-150.0	0.0	0.0	190.1	0.00	100.00
150.0-151.0	0.0	0.0	190.1	0.00	100.00
151.0-152.0	0.0	0.0	190.1	0.00	100.00
152.0-153.0	0.0	0.0	190.1	0.00	100.00
153.0-154.0	0.0	0.0	190.1	0.00	100.00
154.0-155.0	0.0	0.0	190.1	0.00	100.00
155.0-156.0	0.0	0.0	190.1	0.00	100.00
156.0-157.0	0.0	0.0	190.1	0.00	100.00
157.0-158.0	0.0	0.0	190.1	0.00	100.00
158.0-159.0	0.0	0.0	190.1	0.00	100.00
159.0-160.0	0.0	0.0	190.1	0.00	100.00
160.0-161.0	0.0	0.0	190.1	0.00	100.00
161.0-162.0	0.0	0.0	190.1	0.00	100.00
162.0-163.0	0.0	0.0	190.1	0.00	100.00
163.0-164.0	0.0	0.0	190.1	0.00	100.00
164.0-165.0	0.0	0.0	190.1	0.00	100.00
165.0-166.0	0.0	0.0	190.1	0.00	100.00
166.0-167.0	0.0	0.0	190.1	0.00	100.00
167.0-168.0	0.0	0.0	190.1	0.00	100.00
168.0-169.0	0.0	0.0	190.1	0.00	100.00
169.0-170.0	0.0	0.0	190.1	0.00	100.00
170.0-171.0	0.0	0.0	190.1	0.00	100.00
171.0-172.0	0.0	0.0	190.1	0.00	100.00
172.0-173.0	0.0	0.0	190.1	0.00	100.00
173.0-174.0	0.0	0.0	190.1	0.00	100.00
174.0-175.0	0.0	0.0	190.1	0.00	100.00
175.0-176.0	0.0	0.0	190.1	0.00	100.00
176.0-177.0	0.0	0.0	190.1	0.00	100.00
177.0-178.0	0.0	0.0	190.1	0.00	100.00
178.0-179.0	0.0	0.0	190.1	0.00	100.00
179.0-180.0	0.0	0.0	190.1	0.00	100.00

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 7.754 m

Humidity:

Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	493.9	490.1	493.9	490.1	493.9					
G1.0	492.2	486.9	493.2	490.2	492.2					
G2.0	487.7	481.2	490.2	488.2	487.7					
G3.0	479.1	472.4	484.3	483.0	479.1					
G4.0	469.3	461.2	476.1	475.6	469.3					
G5.0	456.9	447.1	464.0	464.7	456.9					
G6.0	441.3	429.5	447.7	450.4	441.3					
G7.0	423.7	411.4	431.1	434.5	423.7					
G8.0	404.9	392.1	410.0	415.9	404.9					
G9.0	382.1	368.9	390.1	397.1	382.1					
G10.0	361.0	346.4	370.2	376.1	361.0					
G11.0	336.0	322.3	346.7	352.0	336.0					
G12.0	313.6	298.8	324.3	329.9	313.6					
G13.0	290.5	275.1	301.8	308.2	290.5					
G14.0	265.2	250.4	278.0	283.1	265.2					
G15.0	244.8	228.6	255.7	261.4	244.8					
G16.0	222.9	207.3	231.8	237.2	222.9					
G17.0	201.1	186.8	212.3	216.1	201.1					
G18.0	183.4	169.8	193.1	197.1	183.4					
G19.0	165.3	152.1	174.6	177.4	165.3					
G20.0	150.8	137.6	158.2	161.1	150.8					
G21.0	137.0	125.3	143.6	146.7	137.0					
G22.0	124.0	112.9	129.6	132.7	124.0					
G23.0	112.5	102.1	117.3	120.3	112.5					
G24.0	101.4	92.0	105.5	107.8	101.4					
G25.0	91.7	83.0	95.2	97.2	91.7					
G26.0	83.1	74.7	85.4	88.1	83.1					
G27.0	74.2	66.9	76.1	78.3	74.2					
G28.0	66.7	60.0	68.0	70.2	66.7					
G29.0	60.0	53.6	59.9	62.5	60.0					
G30.0	53.3	47.6	53.6	56.0	53.3					
G31.0	48.0	42.7	47.9	50.3	48.0					
G32.0	42.6	37.6	42.1	44.5	42.6					
G33.0	38.2	33.7	37.4	40.0	38.2					
G34.0	34.0	30.1	33.3	35.7	34.0					
G35.0	30.2	26.6	29.1	31.5	30.2					
G36.0	27.1	23.8	26.0	28.3	27.1					

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 7.754 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G37.0	24.2	21.5	23.0	25.1	24.2					
G38.0	21.3	18.9	20.4	22.3	21.3					
G39.0	18.7	16.7	18.0	19.7	18.7					
G40.0	15.9	14.4	15.6	17.0	15.9					
G41.0	13.8	12.4	13.3	14.5	13.8					
G42.0	11.9	10.6	11.4	12.6	11.9					
G43.0	10.0	9.0	9.5	10.4	10.0					
G44.0	8.5	7.6	8.1	9.0	8.5					
G45.0	7.3	6.6	6.8	7.7	7.3					
G46.0	6.3	5.8	6.0	6.7	6.3					
G47.0	5.7	5.2	5.5	6.0	5.7					
G48.0	5.2	4.8	5.0	5.5	5.2					
G49.0	4.8	4.5	4.7	5.2	4.8					
G50.0	4.5	4.2	4.3	4.8	4.5					
G51.0	4.2	3.9	4.1	4.6	4.2					
G52.0	4.0	3.7	3.9	4.3	4.0					
G53.0	3.7	3.6	3.6	4.1	3.7					
G54.0	3.5	3.4	3.4	3.8	3.5					
G55.0	3.4	3.2	3.2	3.7	3.4					
G56.0	3.2	3.1	3.0	3.5	3.2					
G57.0	3.0	3.0	2.9	3.3	3.0					
G58.0	3.0	2.9	2.8	3.2	3.0					
G59.0	2.8	2.7	2.6	3.0	2.8					
G60.0	2.5	2.6	2.4	2.7	2.5					
G61.0	2.5	2.6	2.3	2.7	2.5					
G62.0	2.4	2.6	2.4	2.6	2.4					
G63.0	2.4	2.6	2.4	2.7	2.4					
G64.0	2.4	2.6	2.3	2.6	2.4					
G65.0	2.4	2.6	2.4	2.6	2.4					
G66.0	2.4	2.6	2.3	2.6	2.4					
G67.0	2.3	2.6	2.3	2.6	2.3					
G68.0	2.4	2.6	2.3	2.6	2.4					
G69.0	2.4	2.6	2.4	2.6	2.4					
G70.0	2.3	2.6	2.3	2.6	2.3					
G71.0	2.4	2.6	2.3	2.5	2.4					
G72.0	2.4	2.6	2.3	2.5	2.4					
G73.0	2.4	2.6	2.3	2.6	2.4					

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 7.754 m

Humidity:

Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G74.0	2.4	2.6	2.3	2.6	2.4					
G75.0	2.5	2.6	2.2	2.5	2.5					
G76.0	2.4	2.6	2.3	2.5	2.4					
G77.0	2.4	2.5	2.3	2.5	2.4					
G78.0	2.5	2.6	2.3	2.5	2.5					
G79.0	2.5	2.5	2.3	2.5	2.5					
G80.0	2.5	2.5	2.3	2.5	2.5					
G81.0	2.5	2.5	2.2	2.5	2.5					
G82.0	2.5	2.5	2.3	2.5	2.5					
G83.0	2.5	2.5	2.3	2.6	2.5					
G84.0	2.5	2.5	2.2	2.5	2.5					
G85.0	2.4	2.6	2.2	2.5	2.4					
G86.0	2.4	2.5	2.3	2.6	2.4					
G87.0	2.5	2.5	2.3	2.6	2.5					
G88.0	2.4	2.5	2.3	2.6	2.4					
G89.0	2.5	2.5	2.3	2.6	2.5					
G90.0	2.4	2.5	2.2	2.6	2.4					
G91.0	2.4	2.5	2.2	2.6	2.4					
G92.0	2.5	2.6	2.2	2.5	2.5					
G93.0	2.5	2.6	2.2	2.6	2.5					
G94.0	2.5	2.6	2.3	2.5	2.5					
G95.0	2.5	2.6	2.3	2.5	2.5					
G96.0	2.4	2.5	2.4	2.5	2.4					
G97.0	2.5	2.6	2.4	2.5	2.5					
G98.0	2.4	2.5	2.3	2.5	2.4					
G99.0	2.4	2.6	2.4	2.5	2.4					
G100.0	2.4	2.5	2.3	2.5	2.4					
G101.0	0.0	0.0	0.0	0.0	0.0					
G102.0	0.0	0.0	0.0	0.0	0.0					
G103.0	0.0	0.0	0.0	0.0	0.0					
G104.0	0.0	0.0	0.0	0.0	0.0					
G105.0	0.0	0.0	0.0	0.0	0.0					
G106.0	0.0	0.0	0.0	0.0	0.0					
G107.0	0.0	0.0	0.0	0.0	0.0					
G108.0	0.0	0.0	0.0	0.0	0.0					
G109.0	0.0	0.0	0.0	0.0	0.0					
G110.0	0.0	0.0	0.0	0.0	0.0					

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 7.754 m

Humidity:

Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G111.0	0.0	0.0	0.0	0.0	0.0					
G112.0	0.0	0.0	0.0	0.0	0.0					
G113.0	0.0	0.0	0.0	0.0	0.0					
G114.0	0.0	0.0	0.0	0.0	0.0					
G115.0	0.0	0.0	0.0	0.0	0.0					
G116.0	0.0	0.0	0.0	0.0	0.0					
G117.0	0.0	0.0	0.0	0.0	0.0					
G118.0	0.0	0.0	0.0	0.0	0.0					
G119.0	0.0	0.0	0.0	0.0	0.0					
G120.0	0.0	0.0	0.0	0.0	0.0					
G121.0	0.0	0.0	0.0	0.0	0.0					
G122.0	0.0	0.0	0.0	0.0	0.0					
G123.0	0.0	0.0	0.0	0.0	0.0					
G124.0	0.0	0.0	0.0	0.0	0.0					
G125.0	0.0	0.0	0.0	0.0	0.0					
G126.0	0.0	0.0	0.0	0.0	0.0					
G127.0	0.0	0.0	0.0	0.0	0.0					
G128.0	0.0	0.0	0.0	0.0	0.0					
G129.0	0.0	0.0	0.0	0.0	0.0					
G130.0	0.0	0.0	0.0	0.0	0.0					
G131.0	0.0	0.0	0.0	0.0	0.0					
G132.0	0.0	0.0	0.0	0.0	0.0					
G133.0	0.0	0.0	0.0	0.0	0.0					
G134.0	0.0	0.0	0.0	0.0	0.0					
G135.0	0.0	0.0	0.0	0.0	0.0					
G136.0	0.0	0.0	0.0	0.0	0.0					
G137.0	0.0	0.0	0.0	0.0	0.0					
G138.0	0.0	0.0	0.0	0.0	0.0					
G139.0	0.0	0.0	0.0	0.0	0.0					
G140.0	0.0	0.0	0.0	0.0	0.0					
G141.0	0.0	0.0	0.0	0.0	0.0					
G142.0	0.0	0.0	0.0	0.0	0.0					
G143.0	0.0	0.0	0.0	0.0	0.0					
G144.0	0.0	0.0	0.0	0.0	0.0					
G145.0	0.0	0.0	0.0	0.0	0.0					
G146.0	0.0	0.0	0.0	0.0	0.0					
G147.0	0.0	0.0	0.0	0.0	0.0					

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 7.754 m

Humidity:

Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G148.0	0.0	0.0	0.0	0.0	0.0					
G149.0	0.0	0.0	0.0	0.0	0.0					
G150.0	0.0	0.0	0.0	0.0	0.0					
G151.0	0.0	0.0	0.0	0.0	0.0					
G152.0	0.0	0.0	0.0	0.0	0.0					
G153.0	0.0	0.0	0.0	0.0	0.0					
G154.0	0.0	0.0	0.0	0.0	0.0					
G155.0	0.0	0.0	0.0	0.0	0.0					
G156.0	0.0	0.0	0.0	0.0	0.0					
G157.0	0.0	0.0	0.0	0.0	0.0					
G158.0	0.0	0.0	0.0	0.0	0.0					
G159.0	0.0	0.0	0.0	0.0	0.0					
G160.0	0.0	0.0	0.0	0.0	0.0					
G161.0	0.0	0.0	0.0	0.0	0.0					
G162.0	0.0	0.0	0.0	0.0	0.0					
G163.0	0.0	0.0	0.0	0.0	0.0					
G164.0	0.0	0.0	0.0	0.0	0.0					
G165.0	0.0	0.0	0.0	0.0	0.0					
G166.0	0.0	0.0	0.0	0.0	0.0					
G167.0	0.0	0.0	0.0	0.0	0.0					
G168.0	0.0	0.0	0.0	0.0	0.0					
G169.0	0.0	0.0	0.0	0.0	0.0					
G170.0	0.0	0.0	0.0	0.0	0.0					
G171.0	0.0	0.0	0.0	0.0	0.0					
G172.0	0.0	0.0	0.0	0.0	0.0					
G173.0	0.0	0.0	0.0	0.0	0.0					
G174.0	0.0	0.0	0.0	0.0	0.0					
G175.0	0.0	0.0	0.0	0.0	0.0					
G176.0	0.0	0.0	0.0	0.0	0.0					
G177.0	0.0	0.0	0.0	0.0	0.0					
G178.0	0.0	0.0	0.0	0.0	0.0					
G179.0	0.0	0.0	0.0	0.0	0.0					
G180.0	0.0	0.0	0.0	0.0	0.0					

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 7.754 m

Humidity:

Inspector: