

Report No.:

Test Time: 2023-07-11 18:39

Luminaire Property

Luminaire Manufacturer:

Lamp Catalog: LED

Luminous Width (mm): 100

Voltage: 120.0 V

Power: 18.56 W

Luminous Length (mm): 600

Luminous Height (mm): 30

Current: 0.158 A

Power Factor: 0.977

Photometric Results

CIE Class: Direct

Measurement Flux: 2576.9 lm

Downward Ratio: 94%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 206.1, 161.0, 185.0, 184.3

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 125.4, 105.8, 115.1, 115.0

Luminaire Efficacy Rating (LER): 138.89

Max. Intensity: 777.88 cd

S/MH(C0/C180): 1.30

Total Rated Lamp Lumens: 2576.9 lm

Efficiency: 100%

Upward Ratio: 6%

Central Intensity: 777.43 cd

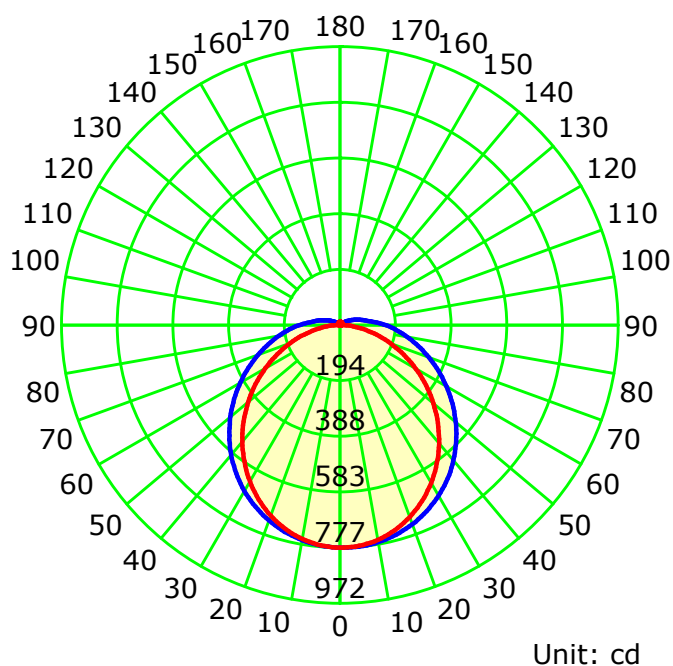
Pos of Max. Intensity: H0 V1

S/MH(C90/C270): 1.21

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

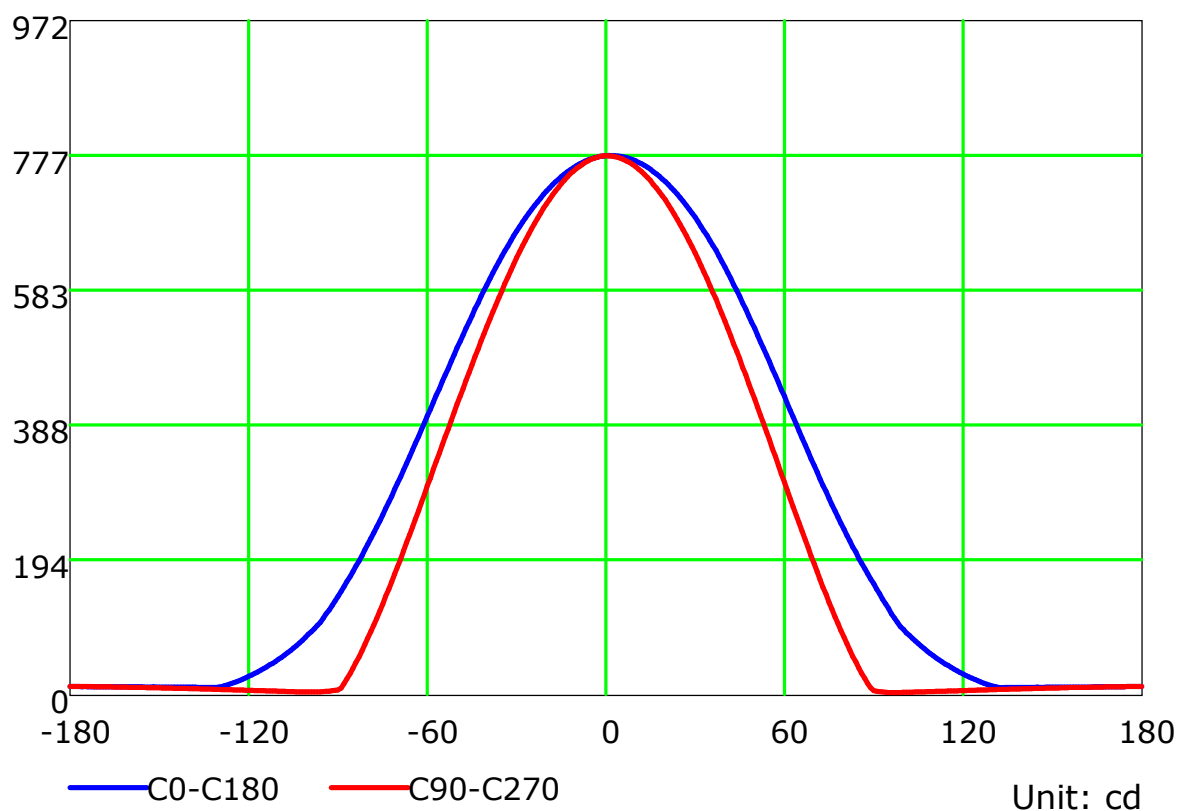
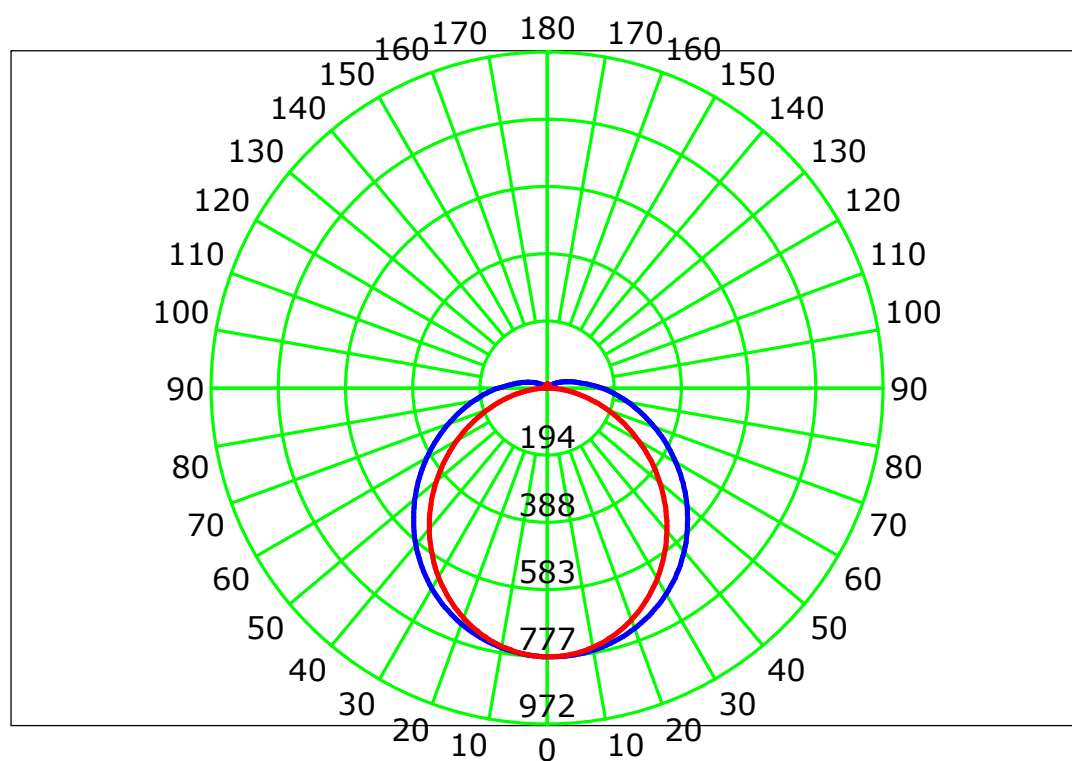
Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

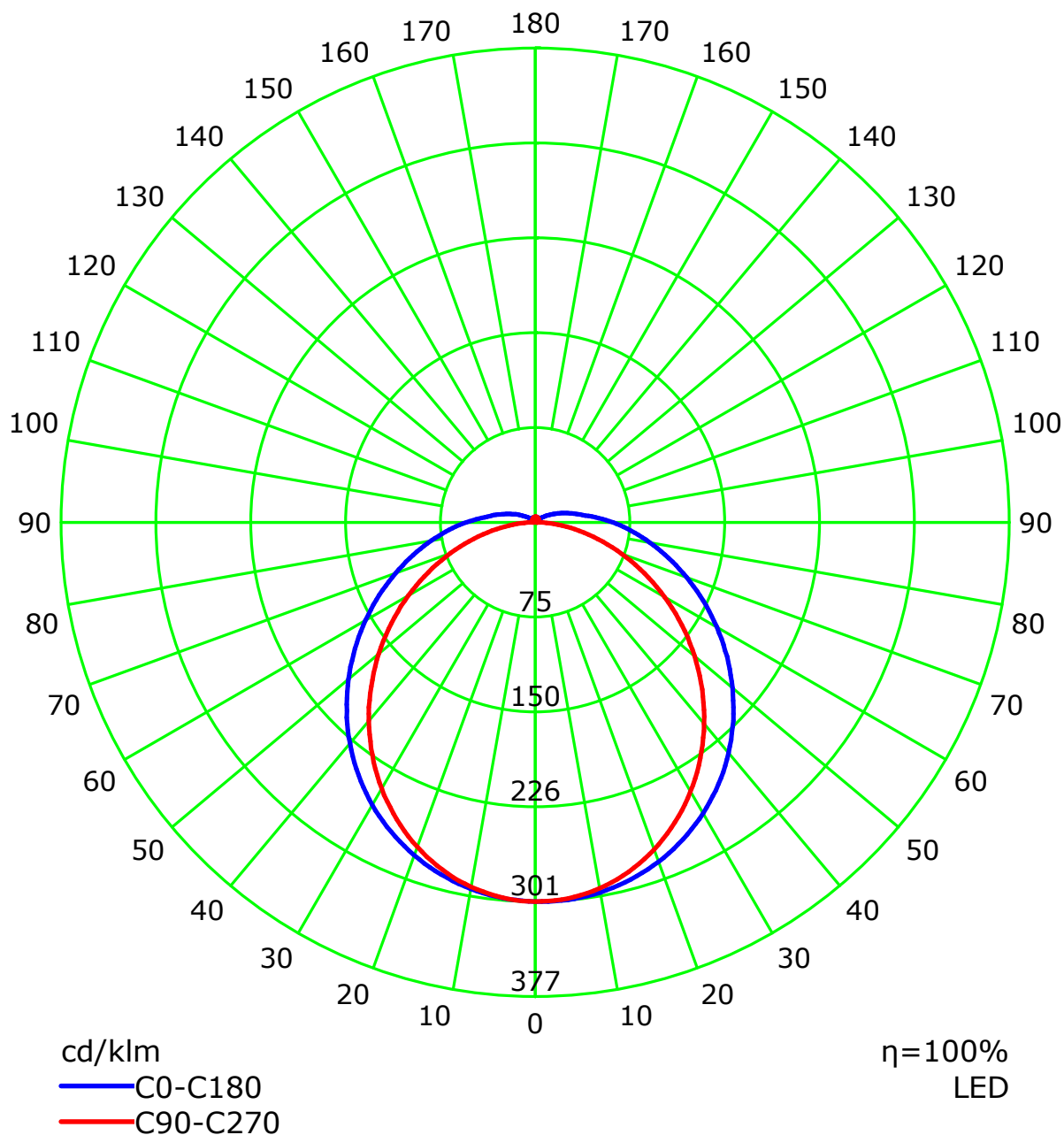
Luminous Intensity Distribution Curve



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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 m
Humidity:
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 m
Humidity:
Inspector:

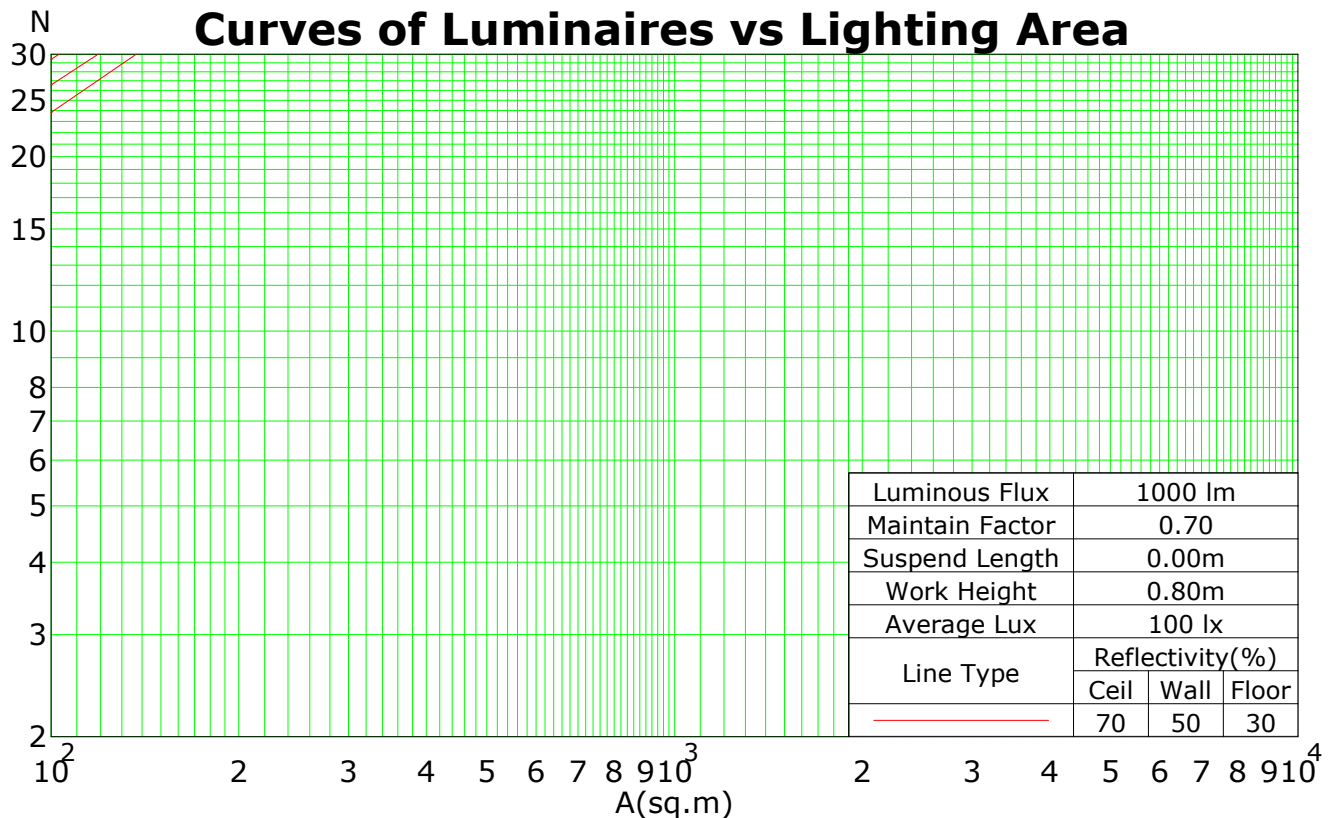
Coefficients Of Utilization - Zonal Cavity Method

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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94
1	106	100	95	91	102	97	93	89	92	88	85	87	84	81	82	80	78	75
2	96	87	79	73	92	84	77	72	79	74	69	75	71	66	71	67	64	61
3	87	76	67	60	84	73	65	59	70	63	57	66	60	55	63	58	54	51
4	79	67	58	51	76	65	56	50	62	54	48	59	52	47	56	50	46	43
5	73	59	50	43	70	58	49	43	55	48	42	52	46	41	50	44	40	37
6	67	53	44	38	65	52	44	37	50	42	36	47	41	36	45	39	35	33
7	62	48	39	33	60	47	39	33	45	38	32	43	36	31	41	35	31	29
8	58	44	35	29	56	43	35	29	41	34	29	40	33	28	38	32	28	26
9	54	40	32	26	52	40	32	26	38	31	26	36	30	25	35	29	25	23
10	51	37	29	24	49	37	29	24	35	28	23	34	27	23	33	27	23	21

Spacing Criteria (0-180): 1.30

Spacing Criteria (90-270): 1.21

Spacing Criteria (Diagonal): 1.38



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

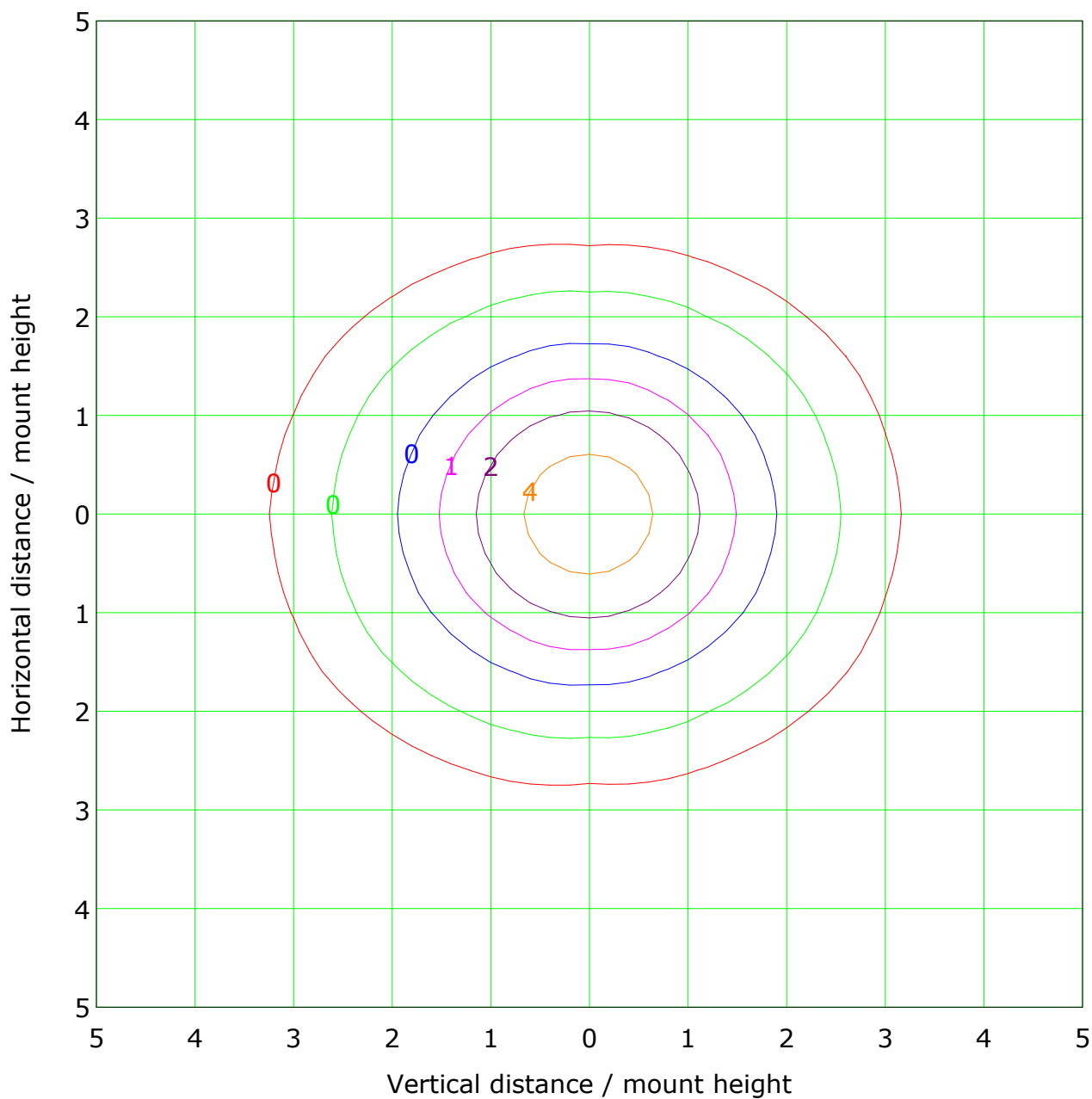
Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 7.8 lx

— (1%): 0.1 lx	— (2%): 0.2 lx
— (5%): 0.4 lx	— (10%): 0.8 lx
— (20%): 1.6 lx	— (50%): 3.9 lx
— (100%): 7.8 lx	

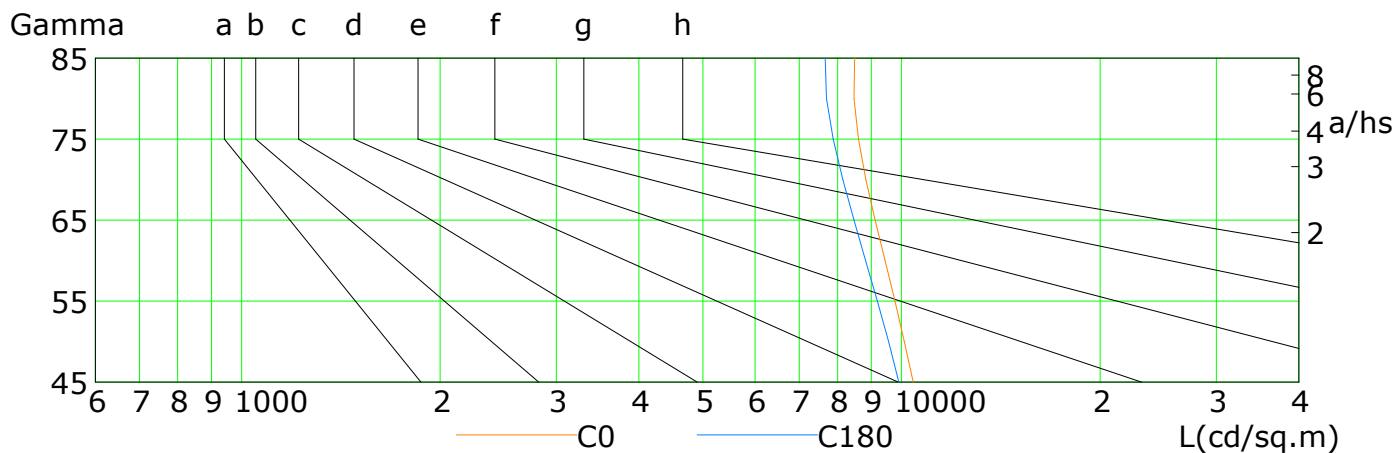
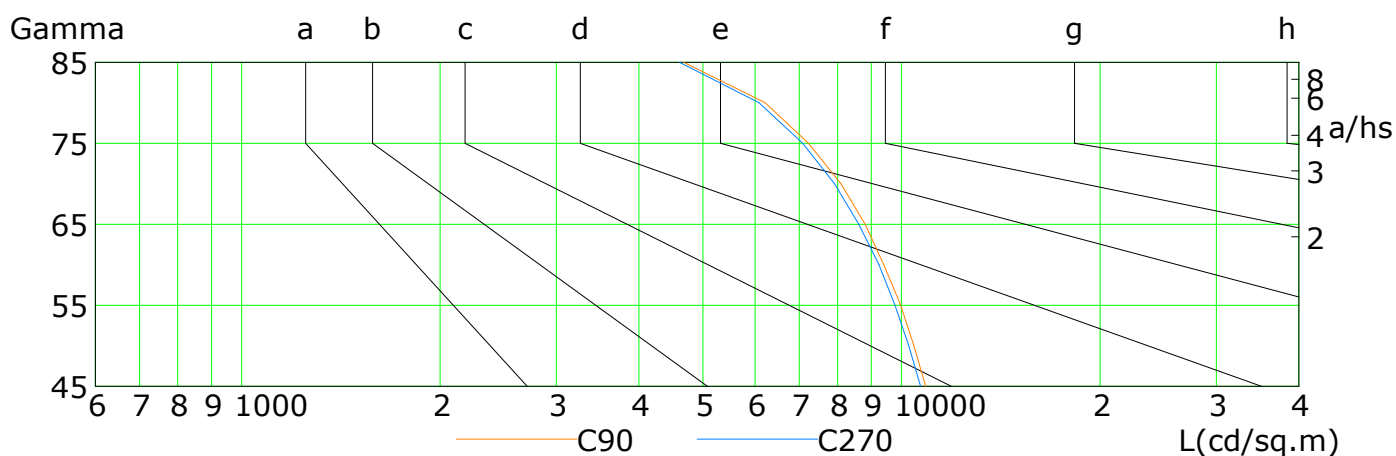
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 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	10422	10102	9777	9444	9122	8833	8609	8472	8496
C90	10887	10441	9973	9404	8811	8090	7229	6212	4675
C180	9912	9562	9194	8824	8470	8144	7879	7697	7662
C270	10687	10262	9776	9242	8615	7914	7085	6080	4612

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

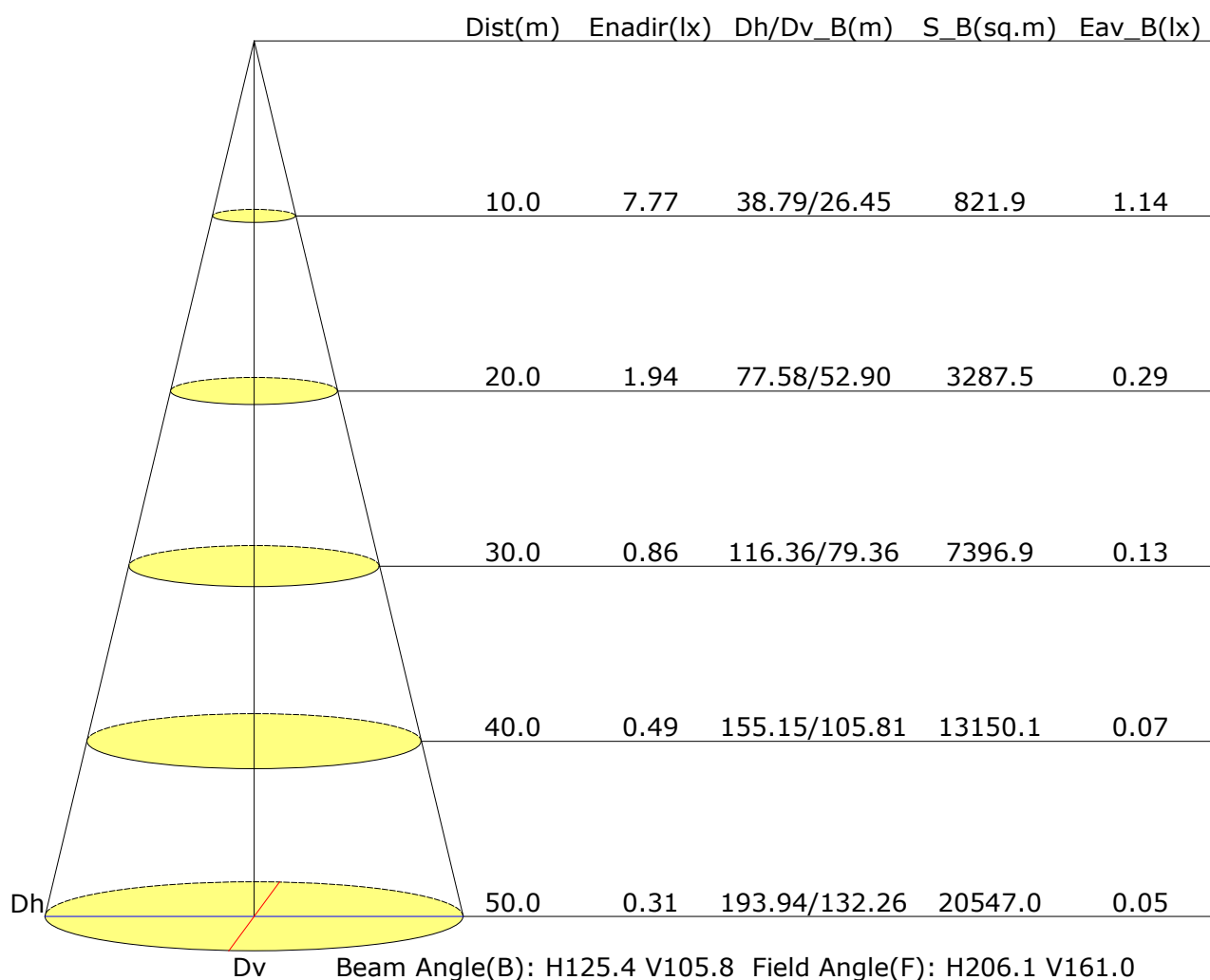
Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

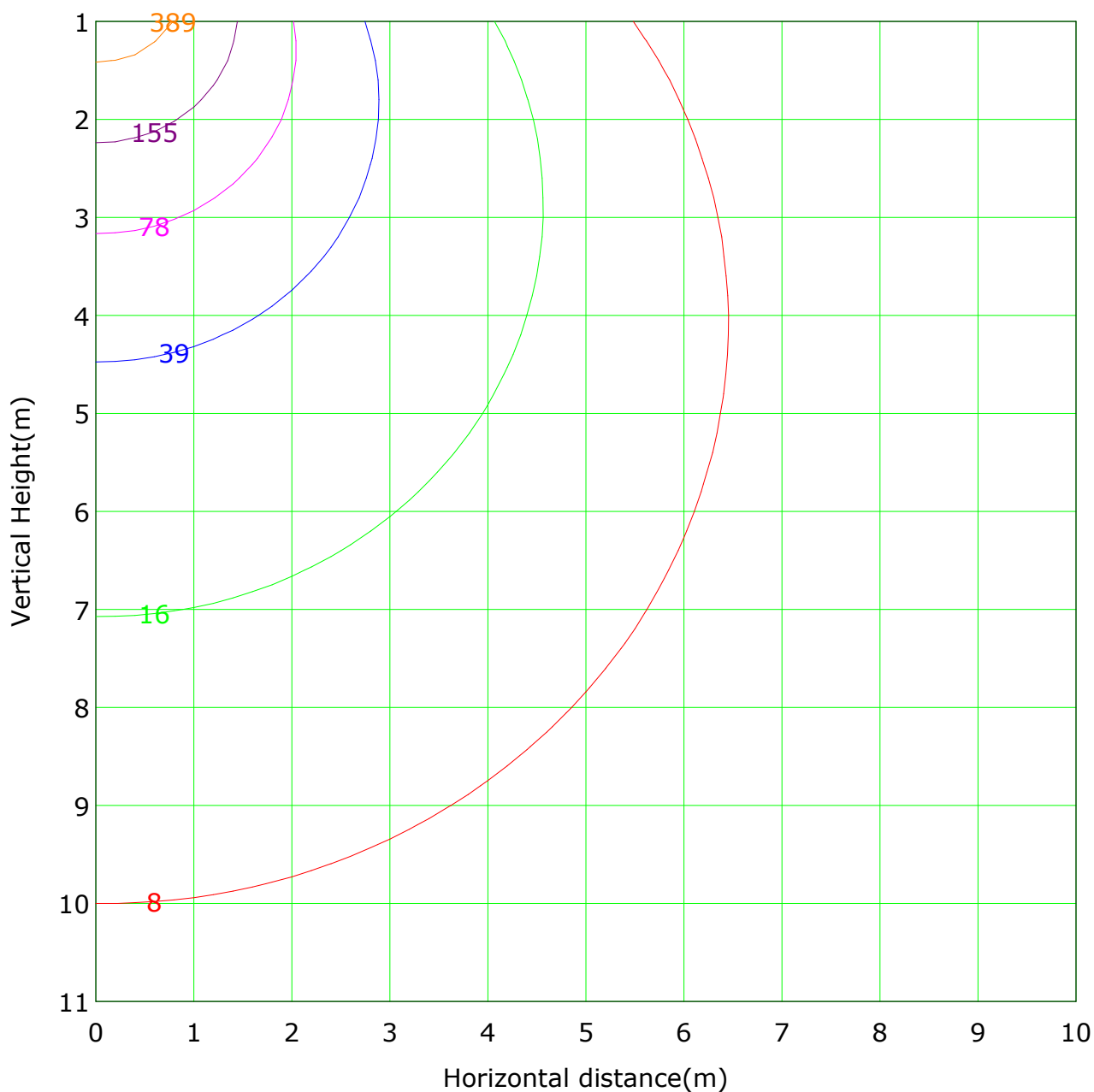
Illuminance at a Distance



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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 9.010 m
 Humidity:
 Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 777.4 lx

(1%): 7.8 lx	(2%): 15.5 lx
(5%): 38.9 lx	(10%): 77.7 lx
(20%): 155.5 lx	(50%): 388.7 lx
(100%): 777.4 lx	

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 m
Humidity:
Inspector:

Area Flux Table

Unit: lm

		Orbit: 1111																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	$\dot{F}_{0,0}$ (E)	$\dot{F}_{0,0}$ (E)
Vertical plane	-90	0.4	1.1	1.8	2.2	2.4	2.4	2.2	1.9	1.5	1.5	1.9	2.2	2.5	2.5	2.4	1.9	1.2	0.4	32.2	25.4	
	-80	0.4	1.2	2.1	3.0	3.6	3.9	4.2	4.3	4.2	4.2	4.4	4.3	4.1	3.8	3.2	2.3	1.4	0.4	55.0	55.0	
	-70	0.4	1.4	2.6	3.8	4.9	5.9	6.7	7.3	7.5	7.5	7.4	6.9	6.2	5.2	4.1	2.8	1.5	0.5	82.4	82.4	
	-60	0.4	1.5	3.0	4.7	6.4	8.0	9.4	10.5	11.0	11.0	10.7	9.7	8.4	6.8	5.0	3.2	1.7	0.5	111.9	111.9	
	-50	0.5	1.7	3.4	5.6	7.9	10.2	12.1	13.7	14.4	14.5	13.9	12.4	10.5	8.3	5.9	3.7	1.8	0.5	141.1	141.1	
	-40	0.5	1.8	3.8	6.4	9.3	12.1	14.7	16.6	17.6	17.7	16.8	15.0	12.6	9.7	6.7	4.1	2.0	0.5	167.8	167.8	
	-30	0.5	1.9	4.1	7.0	10.4	13.8	16.8	19.0	20.3	20.3	19.3	17.1	14.2	10.8	7.4	4.4	2.1	0.5	190.2	190.2	
	-20	0.5	2.0	4.4	7.5	11.2	14.9	18.3	20.8	22.2	22.3	21.1	18.7	15.4	11.7	8.0	4.7	2.2	0.5	206.4	206.4	
	-10	0.5	2.1	4.5	7.8	11.7	15.6	19.1	21.8	23.2	23.3	22.0	19.5	16.1	12.2	8.3	4.9	2.3	0.6	215.5	215.5	
	0	0.5	2.1	4.5	7.8	11.7	15.6	19.1	21.8	23.2	23.3	22.1	19.6	16.2	12.2	8.3	4.9	2.3	0.6	216.0	216.0	
10	0.5	2.0	4.4	7.6	11.3	15.0	18.4	20.9	22.3	22.4	21.2	18.8	15.6	11.8	8.0	4.7	2.2	0.5	207.7	207.7		
20	0.5	1.9	4.2	7.1	10.5	13.9	16.9	19.2	20.4	20.5	19.5	17.4	14.4	11.0	7.5	4.5	2.1	0.5	192.1	192.1		
30	0.5	1.8	3.8	6.4	9.4	12.3	14.8	16.8	17.8	17.9	17.0	15.2	12.8	9.9	6.8	4.1	2.0	0.5	170.1	170.1		
40	0.5	1.7	3.5	5.7	8.0	10.3	12.3	13.9	14.7	14.8	14.1	12.7	10.8	8.5	6.0	3.7	1.9	0.5	143.4	143.4		
50	0.4	1.6	3.0	4.8	6.5	8.1	9.5	10.7	11.2	11.3	10.9	9.9	8.6	6.9	5.1	3.3	1.7	0.5	114.0	114.0		
60	0.4	1.4	2.6	3.9	5.0	6.0	6.8	7.4	7.6	7.7	7.6	7.1	6.3	5.4	4.2	2.8	1.5	0.5	84.1	84.1		
70	0.4	1.2	2.2	3.0	3.6	4.0	4.2	4.4	4.2	4.3	4.5	4.5	4.3	3.9	3.3	2.4	1.4	0.4	56.3	56.3		
80	0.4	1.1	1.8	2.2	2.4	2.4	2.2	1.9	1.5	1.5	2.0	2.3	2.6	2.6	2.5	2.0	1.2	0.4	32.9	26.5		
90	8.1	29.7	59.7	96.6	136.2	174.6	207.7	232.6	244.7	246.0	236.4	213.5	181.5	143.2	102.9	64.4	32.4	8.9	2419			
Flux(T)	8.1	29.7	59.7	96.6	136.2	173.9	206.0	230.4	242.4	243.8	234.3	212.0	181.1	143.2	102.9	64.4	32.4	8.9				
Flux(E)	8.1	29.7	59.7	96.6	136.2	173.9	206.0	230.4	242.4	243.8	234.3	212.0	181.1	143.2	102.9	64.4	32.4	8.9		2406		

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

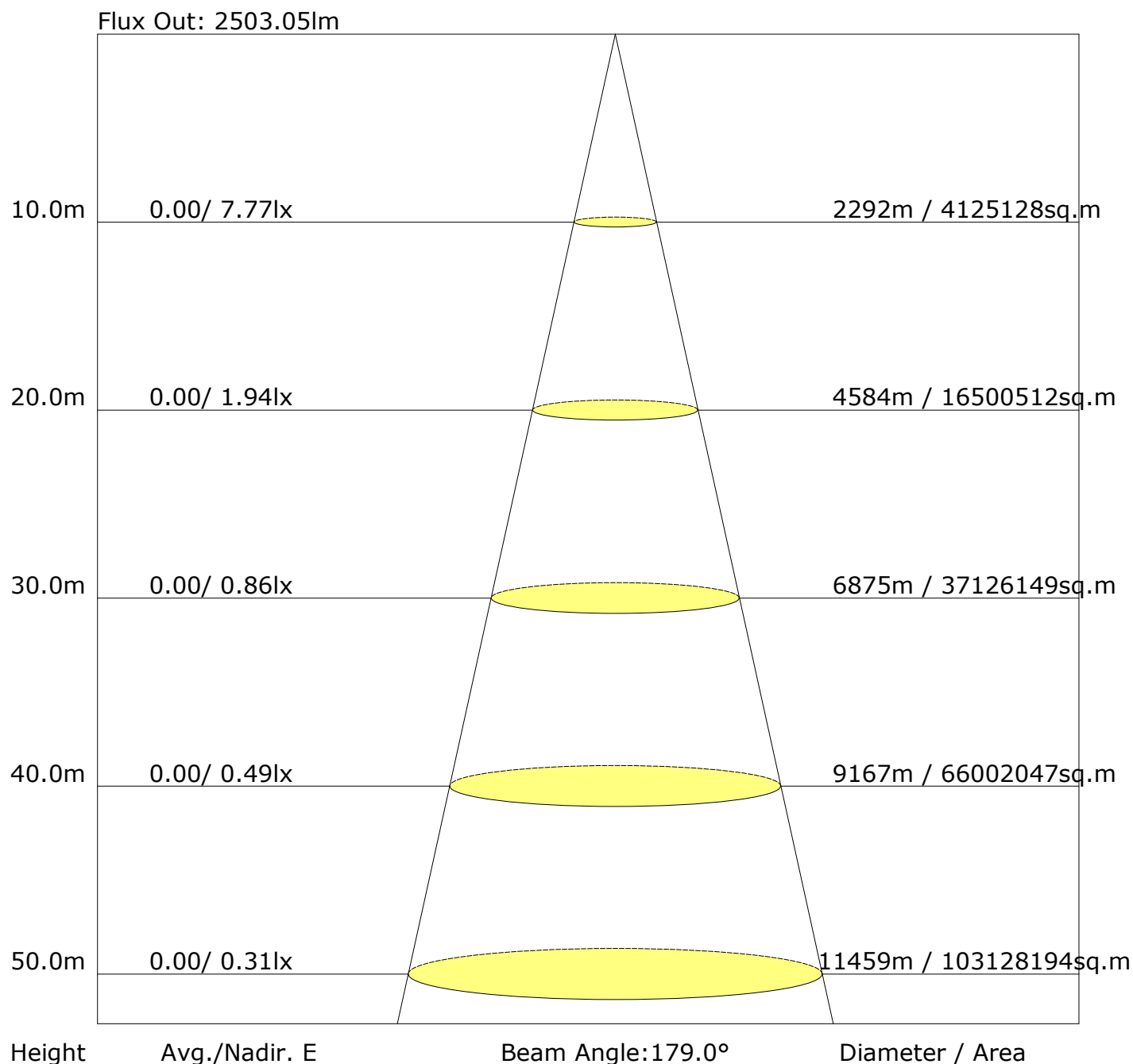
Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

The Average Illuminance Effective Figure



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

Gamma Plane (°): 0.0-180.0: 1.0
 Test Device: GPM-1600L
 Distance: 9.010 m
 Humidity:
 Inspector:

UGR Table

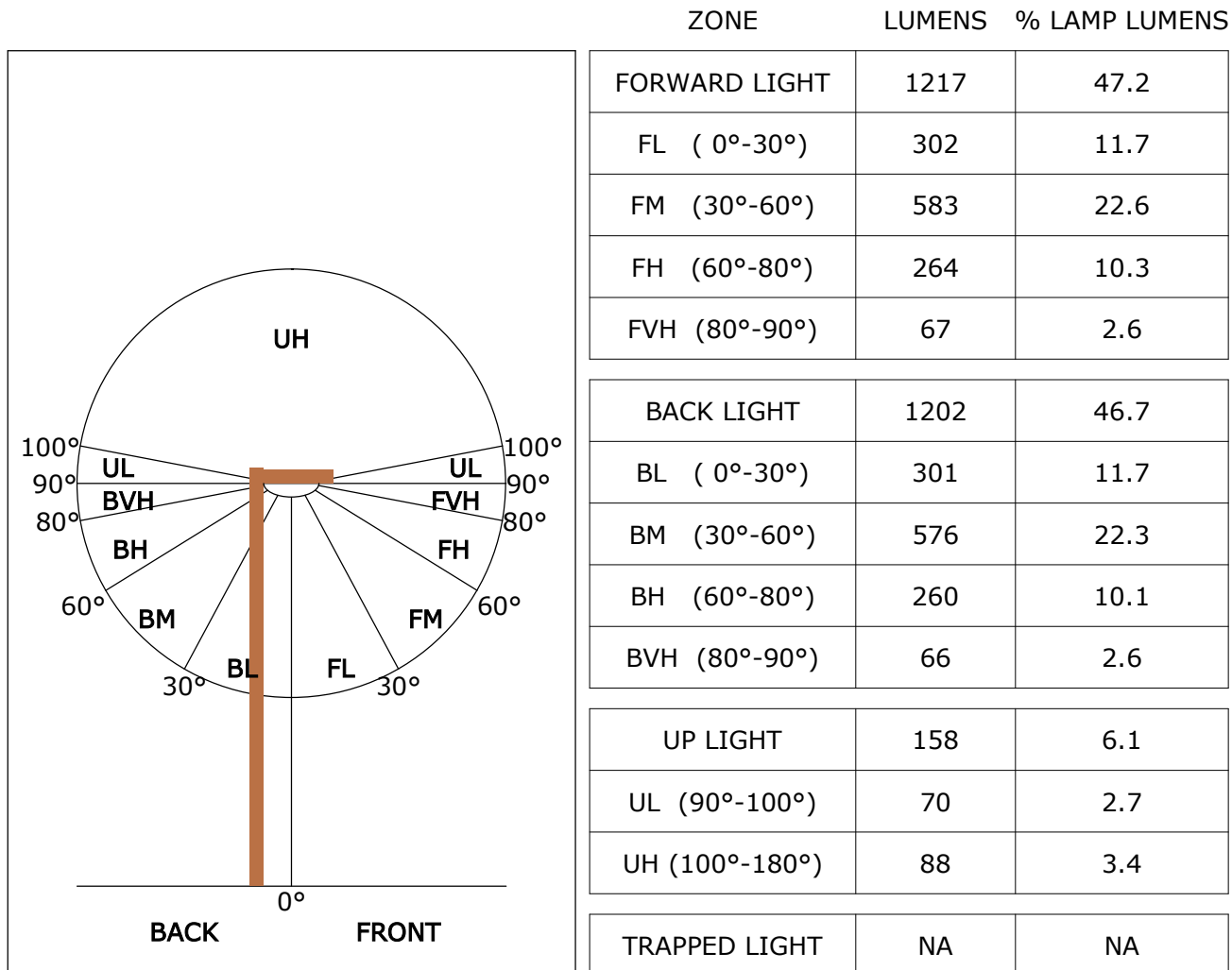
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	20.3	21.7	20.7	22.0	22.4	19.6	20.9	20.0	21.3	21.7
3H	22.2	23.4	22.6	23.8	24.2	21.0	22.2	21.4	22.6	23.0
4H	23.1	24.2	23.5	24.6	25.1	21.6	22.8	22.0	23.2	23.6
6H	23.9	25.0	24.4	25.4	25.9	22.0	23.1	22.5	23.5	24.0
8H	24.3	25.4	24.8	25.8	26.3	22.2	23.2	22.6	23.6	24.1
12H	24.7	25.7	25.2	26.2	26.7	22.2	23.3	22.7	23.7	24.2
X=4H Y=2H	20.9	22.1	21.3	22.5	22.9	20.3	21.5	20.7	21.9	22.3
3H	23.0	24.0	23.4	24.4	24.9	21.9	22.9	22.4	23.4	23.9
4H	24.0	24.9	24.5	25.4	25.9	22.6	23.6	23.1	24.0	24.5
6H	25.0	25.9	25.6	26.4	26.9	23.2	24.0	23.7	24.5	25.1
8H	25.5	26.3	26.1	26.8	27.4	23.4	24.2	24.0	24.7	25.2
12H	26.0	26.7	26.6	27.2	27.8	23.6	24.3	24.1	24.8	25.4
X=8H Y=4H	24.3	25.1	24.8	25.6	26.1	23.1	23.9	23.6	24.4	24.9
6H	25.5	26.2	26.1	26.7	27.3	23.9	24.5	24.4	25.0	25.6
8H	26.2	26.7	26.8	27.3	27.9	24.2	24.7	24.8	25.3	25.9
12H	26.8	27.3	27.4	27.9	28.5	24.4	24.9	25.0	25.5	26.1
X=12H Y=4H	24.3	25.0	24.9	25.5	26.1	23.2	23.9	23.7	24.4	25.0
6H	25.6	26.2	26.2	26.7	27.4	24.0	24.6	24.6	25.2	25.8
8H	26.3	26.8	26.9	27.4	28.0	24.4	24.9	25.0	25.5	26.1
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.2/-0.2				
S=1.5H	+0.4/-0.4					+0.4/-0.5				
S=2.0H	+0.5/-0.7					+0.5/-0.9				

Calculate in accordance with CIE Pub.117. The table is revised with 2577lm ($8\log(F/F_0) = 3.3$).

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 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 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U2 G1

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 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	777.4	0.7	0.7	0.03	0.03
1.0-2.0	777.1	2.2	3.0	0.09	0.12
2.0-3.0	776.6	3.7	6.7	0.14	0.26
3.0-4.0	775.7	5.2	11.9	0.20	0.46
4.0-5.0	774.7	6.7	18.5	0.26	0.72
5.0-6.0	773.3	8.1	26.7	0.32	1.04
6.0-7.0	771.5	9.6	36.3	0.37	1.41
7.0-8.0	769.6	11.0	47.3	0.43	1.83
8.0-9.0	767.3	12.4	59.7	0.48	2.32
9.0-10.0	764.9	13.8	73.5	0.54	2.85
10.0-11.0	762.0	15.2	88.8	0.59	3.45
11.0-12.0	758.9	16.6	105.4	0.64	4.09
12.0-13.0	755.7	17.9	123.3	0.70	4.79
13.0-14.0	752.1	19.3	142.6	0.75	5.53
14.0-15.0	748.2	20.5	163.1	0.80	6.33
15.0-16.0	743.9	21.8	184.9	0.85	7.18
16.0-17.0	739.4	23.0	207.9	0.89	8.07
17.0-18.0	734.9	24.2	232.2	0.94	9.01
18.0-19.0	730.0	25.4	257.6	0.99	10.00
19.0-20.0	724.8	26.5	284.1	1.03	11.02
20.0-21.0	719.5	27.6	311.7	1.07	12.10
21.0-22.0	713.7	28.7	340.4	1.11	13.21
22.0-23.0	707.8	29.7	370.1	1.15	14.36
23.0-24.0	701.6	30.7	400.8	1.19	15.55
24.0-25.0	695.2	31.6	432.4	1.23	16.78
25.0-26.0	688.8	32.5	464.9	1.26	18.04
26.0-27.0	681.9	33.4	498.3	1.29	19.34
27.0-28.0	674.7	34.2	532.5	1.33	20.66
28.0-29.0	667.7	34.9	567.4	1.36	22.02
29.0-30.0	660.2	35.6	603.1	1.38	23.40
30.0-31.0	652.4	36.3	639.4	1.41	24.81
31.0-32.0	644.5	36.9	676.3	1.43	26.24
32.0-33.0	636.3	37.5	713.8	1.45	27.70
33.0-34.0	628.3	38.0	751.8	1.48	29.17
34.0-35.0	619.7	38.5	790.3	1.49	30.67
35.0-36.0	610.9	38.9	829.2	1.51	32.18

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Gamma Plane (°):0.0-180.0:1.0
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 Distance: 9.010 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	602.2	39.3	868.5	1.52	33.70
37.0-38.0	593.1	39.6	908.1	1.54	35.24
38.0-39.0	584.0	39.9	947.9	1.55	36.79
39.0-40.0	574.6	40.1	988.0	1.56	38.34
40.0-41.0	565.1	40.2	1028.3	1.56	39.90
41.0-42.0	555.7	40.4	1068.7	1.57	41.47
42.0-43.0	545.9	40.4	1109.1	1.57	43.04
43.0-44.0	535.9	40.5	1149.5	1.57	44.61
44.0-45.0	526.0	40.4	1190.0	1.57	46.18
45.0-46.0	515.7	40.3	1230.3	1.57	47.74
46.0-47.0	505.5	40.2	1270.5	1.56	49.30
47.0-48.0	495.0	40.0	1310.5	1.55	50.86
48.0-49.0	484.6	39.8	1350.3	1.54	52.40
49.0-50.0	474.5	39.6	1389.9	1.54	53.94
50.0-51.0	463.7	39.2	1429.1	1.52	55.46
51.0-52.0	453.0	38.9	1468.0	1.51	56.97
52.0-53.0	442.4	38.5	1506.5	1.49	58.46
53.0-54.0	431.7	38.1	1544.6	1.48	59.94
54.0-55.0	421.1	37.6	1582.2	1.46	61.40
55.0-56.0	410.2	37.1	1619.2	1.44	62.84
56.0-57.0	399.2	36.5	1655.7	1.42	64.25
57.0-58.0	388.7	35.9	1691.7	1.39	65.65
58.0-59.0	377.7	35.3	1727.0	1.37	67.02
59.0-60.0	366.7	34.7	1761.6	1.34	68.36
60.0-61.0	355.8	34.0	1795.6	1.32	69.68
61.0-62.0	344.9	33.2	1828.8	1.29	70.97
62.0-63.0	334.4	32.5	1861.4	1.26	72.23
63.0-64.0	323.6	31.8	1893.1	1.23	73.46
64.0-65.0	312.8	31.0	1924.1	1.20	74.67
65.0-66.0	302.5	30.2	1954.3	1.17	75.84
66.0-67.0	292.0	29.4	1983.6	1.14	76.98
67.0-68.0	281.5	28.5	2012.2	1.11	78.08
68.0-69.0	271.0	27.7	2039.8	1.07	79.16
69.0-70.0	260.6	26.8	2066.6	1.04	80.20
70.0-71.0	250.8	25.9	2092.5	1.01	81.20
71.0-72.0	240.7	25.0	2117.5	0.97	82.17

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 9.010 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	230.7	24.1	2141.7	0.94	83.11
73.0-74.0	221.3	23.3	2164.9	0.90	84.01
74.0-75.0	211.6	22.4	2187.3	0.87	84.88
75.0-76.0	202.1	21.5	2208.8	0.83	85.71
76.0-77.0	192.7	20.5	2229.3	0.80	86.51
77.0-78.0	183.5	19.6	2248.9	0.76	87.27
78.0-79.0	174.8	18.8	2267.7	0.73	88.00
79.0-80.0	166.0	17.9	2285.6	0.69	88.70
80.0-81.0	157.4	17.0	2302.7	0.66	89.36
81.0-82.0	149.1	16.2	2318.8	0.63	89.98
82.0-83.0	140.9	15.3	2334.2	0.59	90.58
83.0-84.0	133.1	14.5	2348.7	0.56	91.14
84.0-85.0	125.3	13.7	2362.3	0.53	91.67
85.0-86.0	117.8	12.9	2375.2	0.50	92.17
86.0-87.0	110.9	12.1	2387.3	0.47	92.64
87.0-88.0	103.8	11.4	2398.7	0.44	93.08
88.0-89.0	97.0	10.6	2409.3	0.41	93.50
89.0-90.0	90.7	9.9	2419.3	0.39	93.88
90.0-91.0	84.9	9.3	2428.6	0.36	94.24
91.0-92.0	79.6	8.7	2437.3	0.34	94.58
92.0-93.0	74.3	8.1	2445.5	0.32	94.90
93.0-94.0	69.2	7.6	2453.1	0.29	95.19
94.0-95.0	64.7	7.1	2460.1	0.27	95.47
95.0-96.0	60.4	6.6	2466.7	0.26	95.72
96.0-97.0	56.6	6.2	2472.9	0.24	95.96
97.0-98.0	53.3	5.8	2478.7	0.22	96.19
98.0-99.0	50.2	5.4	2484.1	0.21	96.40
99.0-100.0	47.4	5.1	2489.3	0.20	96.60
100.0-101.0	44.8	4.8	2494.1	0.19	96.79
101.0-102.0	42.2	4.5	2498.6	0.18	96.96
102.0-103.0	39.8	4.3	2502.9	0.17	97.13
103.0-104.0	37.5	4.0	2506.9	0.16	97.28
104.0-105.0	35.4	3.8	2510.7	0.15	97.43
105.0-106.0	33.4	3.5	2514.2	0.14	97.57
106.0-107.0	31.5	3.3	2517.5	0.13	97.69
107.0-108.0	29.8	3.1	2520.6	0.12	97.82

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 9.010 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	28.0	2.9	2523.5	0.11	97.93
109.0-110.0	26.4	2.7	2526.3	0.11	98.03
110.0-111.0	24.8	2.6	2528.8	0.10	98.13
111.0-112.0	23.3	2.4	2531.2	0.09	98.23
112.0-113.0	22.0	2.2	2533.4	0.09	98.31
113.0-114.0	20.6	2.1	2535.5	0.08	98.39
114.0-115.0	19.2	1.9	2537.4	0.07	98.47
115.0-116.0	18.1	1.8	2539.2	0.07	98.54
116.0-117.0	16.9	1.7	2540.9	0.06	98.60
117.0-118.0	15.8	1.5	2542.4	0.06	98.66
118.0-119.0	14.9	1.4	2543.8	0.06	98.72
119.0-120.0	14.1	1.3	2545.2	0.05	98.77
120.0-121.0	13.3	1.3	2546.4	0.05	98.82
121.0-122.0	12.5	1.2	2547.6	0.05	98.86
122.0-123.0	11.9	1.1	2548.7	0.04	98.91
123.0-124.0	11.2	1.0	2549.7	0.04	98.95
124.0-125.0	10.6	1.0	2550.7	0.04	98.98
125.0-126.0	10.1	0.9	2551.6	0.04	99.02
126.0-127.0	9.7	0.9	2552.4	0.03	99.05
127.0-128.0	9.3	0.8	2553.3	0.03	99.08
128.0-129.0	9.1	0.8	2554.0	0.03	99.11
129.0-130.0	8.9	0.8	2554.8	0.03	99.14
130.0-131.0	8.8	0.7	2555.5	0.03	99.17
131.0-132.0	8.8	0.7	2556.2	0.03	99.20
132.0-133.0	8.8	0.7	2557.0	0.03	99.23
133.0-134.0	8.9	0.7	2557.7	0.03	99.25
134.0-135.0	8.9	0.7	2558.4	0.03	99.28
135.0-136.0	9.0	0.7	2559.1	0.03	99.31
136.0-137.0	9.1	0.7	2559.7	0.03	99.33
137.0-138.0	9.2	0.7	2560.4	0.03	99.36
138.0-139.0	9.3	0.7	2561.1	0.03	99.39
139.0-140.0	9.3	0.7	2561.8	0.03	99.41
140.0-141.0	9.4	0.7	2562.4	0.03	99.44
141.0-142.0	9.5	0.6	2563.1	0.03	99.46
142.0-143.0	9.6	0.6	2563.7	0.02	99.49
143.0-144.0	9.6	0.6	2564.3	0.02	99.51

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 9.010 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	9.7	0.6	2564.9	0.02	99.54
145.0-146.0	9.8	0.6	2565.6	0.02	99.56
146.0-147.0	9.9	0.6	2566.2	0.02	99.58
147.0-148.0	10.0	0.6	2566.7	0.02	99.61
148.0-149.0	10.0	0.6	2567.3	0.02	99.63
149.0-150.0	10.1	0.6	2567.9	0.02	99.65
150.0-151.0	10.2	0.6	2568.4	0.02	99.67
151.0-152.0	10.3	0.5	2569.0	0.02	99.69
152.0-153.0	10.3	0.5	2569.5	0.02	99.71
153.0-154.0	10.4	0.5	2570.0	0.02	99.73
154.0-155.0	10.5	0.5	2570.5	0.02	99.75
155.0-156.0	10.5	0.5	2571.0	0.02	99.77
156.0-157.0	10.6	0.5	2571.4	0.02	99.79
157.0-158.0	10.6	0.4	2571.9	0.02	99.80
158.0-159.0	10.7	0.4	2572.3	0.02	99.82
159.0-160.0	10.7	0.4	2572.7	0.02	99.84
160.0-161.0	10.8	0.4	2573.1	0.02	99.85
161.0-162.0	10.8	0.4	2573.5	0.01	99.87
162.0-163.0	10.9	0.4	2573.8	0.01	99.88
163.0-164.0	10.9	0.3	2574.2	0.01	99.89
164.0-165.0	11.0	0.3	2574.5	0.01	99.91
165.0-166.0	11.0	0.3	2574.8	0.01	99.92
166.0-167.0	11.1	0.3	2575.1	0.01	99.93
167.0-168.0	11.1	0.3	2575.4	0.01	99.94
168.0-169.0	11.2	0.2	2575.6	0.01	99.95
169.0-170.0	11.2	0.2	2575.8	0.01	99.96
170.0-171.0	11.3	0.2	2576.0	0.01	99.97
171.0-172.0	11.3	0.2	2576.2	0.01	99.97
172.0-173.0	11.3	0.2	2576.4	0.01	99.98
173.0-174.0	11.4	0.1	2576.5	0.01	99.98
174.0-175.0	11.4	0.1	2576.6	0.00	99.99
175.0-176.0	11.5	0.1	2576.7	0.00	99.99
176.0-177.0	11.6	0.1	2576.8	0.00	100.00
177.0-178.0	11.6	0.1	2576.9	0.00	100.00
178.0-179.0	11.7	0.0	2576.9	0.00	100.00
179.0-180.0	11.8	0.0	2576.9	0.00	100.00

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 9.010 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	777.4	777.4	777.4	777.4	777.4	777.4	777.4	777.4	777.4	777.4
G1.0	777.9	777.7	777.6	777.4	777.4	777.1	777.2	776.9	777.0	777.1
G2.0	777.8	777.5	777.6	777.1	777.0	776.6	776.5	776.3	776.2	776.6
G3.0	777.6	777.3	777.0	776.3	776.0	776.1	775.4	775.0	775.1	775.5
G4.0	777.4	776.8	776.0	775.5	774.9	775.2	774.6	773.8	773.8	774.1
G5.0	776.8	776.1	775.1	774.1	773.7	774.1	773.0	772.7	772.1	772.5
G6.0	776.0	775.2	773.6	772.1	771.7	772.3	771.5	770.6	770.0	770.4
G7.0	774.7	773.9	771.8	770.0	769.7	770.3	769.7	768.7	768.0	767.9
G8.0	773.4	772.5	770.2	767.8	767.4	768.1	767.5	766.2	765.1	764.9
G9.0	772.0	770.7	767.6	765.0	764.6	765.6	765.4	763.9	762.0	762.1
G10.0	770.4	769.0	765.3	761.9	761.7	763.1	763.1	761.4	759.1	758.9
G11.0	768.1	766.6	761.7	758.3	758.4	760.2	760.2	758.2	755.4	755.0
G12.0	766.1	764.0	758.8	754.9	754.9	757.5	757.3	755.2	751.8	751.6
G13.0	763.6	761.4	755.5	750.9	750.9	754.1	754.4	751.8	747.8	747.3
G14.0	760.9	758.2	751.8	746.1	746.6	750.9	750.8	747.6	742.8	742.2
G15.0	758.1	755.1	747.6	741.9	742.8	747.0	747.6	743.8	738.6	737.3
G16.0	754.8	751.3	742.8	736.2	737.2	742.6	743.7	739.4	733.1	732.1
G17.0	751.5	747.9	738.5	731.2	732.6	738.3	739.5	735.1	728.0	726.5
G18.0	747.9	743.9	733.7	725.7	727.4	734.0	735.5	730.8	722.8	720.9
G19.0	744.1	739.5	727.9	719.7	721.3	729.0	730.9	725.8	716.6	714.4
G20.0	740.3	735.0	722.6	714.0	715.9	724.4	726.4	720.9	711.0	708.0
G21.0	736.3	730.4	717.2	707.1	710.0	719.3	721.8	715.4	704.6	701.7
G22.0	731.6	725.6	710.6	700.3	703.3	713.4	716.2	709.5	697.9	694.4
G23.0	727.2	720.1	704.5	693.5	697.2	708.1	711.0	704.0	691.5	687.4
G24.0	722.1	714.7	697.4	685.7	689.7	702.0	705.4	697.5	683.7	679.7
G25.0	717.1	709.1	691.0	678.4	682.6	695.8	700.1	692.1	677.1	672.4
G26.0	711.9	703.8	684.2	671.0	675.6	689.8	694.5	685.6	669.9	664.5
G27.0	706.1	697.3	676.5	662.6	667.8	682.9	688.0	678.5	661.5	655.7
G28.0	700.6	691.1	669.4	654.3	660.0	676.6	681.9	672.1	653.8	647.6
G29.0	695.1	685.1	661.7	646.4	652.4	669.8	675.7	664.9	646.0	639.5
G30.0	688.8	677.7	653.5	637.2	643.4	662.2	668.8	657.4	637.4	630.2
G31.0	682.4	671.3	645.8	628.6	635.6	655.1	662.0	650.0	629.2	621.2
G32.0	675.7	663.8	636.5	619.0	626.6	647.3	654.8	642.2	619.7	611.8
G33.0	669.2	656.8	628.2	609.8	617.8	640.1	647.4	634.4	611.2	602.4
G34.0	662.8	649.7	619.6	600.5	609.3	632.2	640.1	626.6	602.2	592.8
G35.0	655.1	641.6	610.4	590.2	599.3	624.0	632.4	618.0	592.0	582.5
G36.0	648.5	633.9	601.4	580.4	590.0	615.8	624.7	610.2	583.1	573.0

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 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	641.2	626.3	591.7	571.0	580.9	607.3	616.6	601.1	572.6	562.1
G38.0	633.1	617.8	581.9	560.0	570.8	598.5	608.5	592.8	563.4	552.3
G39.0	625.3	609.5	572.9	550.1	560.7	590.1	600.4	584.1	554.3	542.0
G40.0	616.8	600.7	562.2	539.0	550.3	580.9	591.2	575.0	543.4	531.2
G41.0	608.6	592.0	552.9	528.4	540.3	571.8	583.2	565.8	533.5	520.5
G42.0	600.6	583.2	542.8	517.6	530.6	563.3	574.8	557.1	523.3	510.3
G43.0	591.6	574.0	532.1	506.2	519.4	553.1	565.2	547.2	512.6	498.5
G44.0	583.1	564.8	521.7	495.5	509.0	544.1	556.8	537.9	502.6	487.7
G45.0	574.8	556.0	511.5	485.0	498.8	534.7	546.7	528.0	490.9	476.1
G46.0	565.0	545.6	500.3	472.4	487.3	524.5	538.1	518.2	480.8	464.8
G47.0	556.4	536.7	489.8	461.7	476.8	515.0	528.5	509.0	470.1	453.4
G48.0	546.5	526.1	478.6	449.2	465.1	504.8	518.8	498.5	458.8	441.6
G49.0	537.6	517.1	468.1	438.2	454.6	494.9	509.8	489.0	448.0	430.8
G50.0	528.9	507.2	457.3	426.7	443.6	485.4	500.6	478.9	436.9	419.4
G51.0	518.7	496.6	445.3	414.6	432.1	474.5	490.5	468.4	425.6	407.2
G52.0	508.9	486.8	434.7	403.0	421.1	464.9	481.2	458.4	415.0	395.8
G53.0	499.9	477.3	423.7	391.8	410.6	455.0	471.0	448.0	403.0	383.5
G54.0	489.7	466.3	412.3	379.0	398.6	444.5	461.4	438.3	392.4	372.1
G55.0	480.6	456.4	401.3	367.7	387.7	434.4	452.0	428.5	381.3	360.4
G56.0	469.8	445.9	389.4	354.8	375.5	423.7	441.4	417.9	369.8	348.3
G57.0	460.5	436.3	378.1	343.3	364.7	413.8	432.1	407.8	358.7	336.4
G58.0	450.5	425.5	366.9	330.9	353.6	403.4	422.1	398.0	347.8	325.3
G59.0	439.9	415.2	355.0	318.7	341.4	393.0	411.9	387.1	335.8	312.5
G60.0	430.5	405.0	343.9	306.6	330.1	382.9	402.3	377.4	325.3	301.3
G61.0	419.7	394.5	332.1	294.3	318.6	372.0	391.9	366.9	313.8	288.5
G62.0	409.8	384.2	320.9	282.6	307.5	362.3	382.6	356.8	302.7	277.3
G63.0	400.5	374.0	309.8	270.7	296.8	352.3	372.7	346.9	292.2	265.6
G64.0	390.2	363.5	298.4	258.5	285.0	341.7	362.8	336.6	280.2	253.3
G65.0	380.1	353.3	287.3	247.4	274.4	331.8	352.9	327.3	270.0	241.9
G66.0	370.4	343.8	276.7	235.6	263.6	322.5	343.6	317.4	260.0	230.8
G67.0	360.2	333.4	265.1	223.6	252.5	311.9	333.3	307.5	248.6	219.0
G68.0	350.3	323.4	254.9	212.0	242.3	302.4	324.1	298.0	238.8	207.7
G69.0	340.3	312.7	243.6	199.6	231.3	292.1	314.5	287.9	227.7	195.8
G70.0	330.7	303.2	233.2	188.8	221.1	282.5	304.9	278.7	218.2	184.7
G71.0	321.1	293.6	223.5	177.5	211.5	273.6	296.1	269.3	208.6	174.1
G72.0	311.3	283.6	212.3	166.1	200.5	263.2	286.2	259.7	197.9	162.7
G73.0	301.7	274.0	203.0	155.0	190.9	254.6	277.7	250.6	188.7	152.0

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 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	293.1	265.1	193.1	144.9	181.8	245.6	268.6	242.1	179.3	141.9
G75.0	283.4	254.9	182.9	133.2	171.9	236.2	259.3	232.5	169.8	130.5
G76.0	274.2	246.3	173.3	123.4	162.6	227.3	250.8	224.2	160.7	120.9
G77.0	264.9	236.4	163.8	112.2	153.2	218.4	241.8	214.9	151.7	109.9
G78.0	256.0	228.0	154.8	102.6	144.4	209.9	233.4	206.9	142.9	100.5
G79.0	247.2	219.3	146.4	92.8	136.0	201.9	225.5	198.7	134.9	91.0
G80.0	238.4	209.9	137.0	83.1	127.3	193.0	216.6	190.4	126.2	81.3
G81.0	229.9	201.7	129.1	73.6	119.3	185.2	208.8	182.2	118.2	72.1
G82.0	222.0	193.5	121.0	64.5	111.5	177.7	200.3	174.2	110.3	63.0
G83.0	213.1	184.9	112.6	55.3	103.4	169.2	192.9	167.3	103.3	54.3
G84.0	205.6	177.0	104.9	47.2	96.6	162.0	185.4	160.0	96.1	46.4
G85.0	196.8	168.9	96.7	38.4	89.0	154.4	177.5	152.1	89.0	37.9
G86.0	189.5	161.4	89.9	30.6	82.7	147.5	170.2	145.3	82.8	30.4
G87.0	181.9	154.2	83.6	23.4	76.3	140.3	163.2	138.5	76.6	23.1
G88.0	174.6	146.4	76.3	15.8	69.8	133.2	155.7	131.4	70.1	15.8
G89.0	167.1	139.7	70.2	9.7	63.8	126.5	149.1	124.9	64.7	9.6
G90.0	160.0	132.6	64.0	5.8	58.1	120.3	141.8	118.2	58.6	6.6
G91.0	152.2	125.5	57.6	5.0	52.3	113.6	135.1	112.1	53.6	6.1
G92.0	145.5	119.0	51.3	4.4	47.3	107.4	128.7	106.1	48.5	5.7
G93.0	138.1	111.6	44.8	3.8	42.5	101.1	122.0	99.6	43.3	5.0
G94.0	130.8	105.2	39.1	3.4	37.5	95.4	116.4	94.3	40.4	4.7
G95.0	124.3	98.7	34.6	3.1	33.2	90.1	110.3	89.0	37.2	4.4
G96.0	116.8	92.1	30.7	3.0	30.3	85.9	104.2	84.3	34.0	4.0
G97.0	110.3	86.7	28.4	3.0	29.3	80.9	99.6	80.0	31.3	3.8
G98.0	104.2	81.4	26.2	3.0	27.6	76.8	94.9	75.8	28.7	3.7
G99.0	98.3	77.1	24.0	3.2	25.1	72.7	90.6	72.0	26.6	3.7
G100.0	93.9	73.2	22.1	3.3	23.1	68.5	87.1	68.5	24.5	3.7
G101.0	89.1	69.1	20.3	3.5	21.0	63.9	82.3	64.7	22.6	3.8
G102.0	85.8	65.5	18.4	3.5	19.2	59.6	78.3	61.4	20.9	3.9
G103.0	81.6	62.2	16.8	3.6	17.5	55.4	74.7	58.1	19.3	4.0
G104.0	77.5	58.5	15.1	3.7	16.0	52.1	70.6	54.8	17.6	4.1
G105.0	73.8	55.4	14.0	3.8	14.6	49.6	67.2	51.8	16.1	4.2
G106.0	69.9	52.1	13.1	4.0	13.2	46.5	63.4	48.7	14.6	4.5
G107.0	66.3	49.2	12.2	4.0	12.1	43.5	60.2	45.9	13.4	4.5
G108.0	62.8	46.3	11.4	4.2	11.0	41.3	57.1	43.2	12.3	4.7
G109.0	59.3	43.1	10.6	4.3	9.9	37.6	53.8	40.8	11.1	4.8
G110.0	56.2	41.1	9.6	4.5	8.9	35.1	50.8	38.3	10.1	4.9

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.010 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	53.1	38.7	8.8	4.6	8.0	33.1	48.0	36.1	9.2	5.1
G112.0	50.0	36.1	8.0	4.8	7.2	31.5	45.1	33.5	8.3	5.2
G113.0	47.2	33.9	7.3	4.9	6.6	29.9	43.3	31.1	7.7	5.3
G114.0	44.1	31.6	6.6	5.0	6.6	26.5	40.1	27.0	7.5	5.5
G115.0	42.1	29.5	6.5	5.1	6.6	24.1	37.5	24.9	7.5	5.6
G116.0	39.5	27.2	6.5	5.3	6.6	22.2	35.3	22.8	7.5	5.7
G117.0	36.8	23.5	6.5	5.5	6.6	20.8	32.7	21.1	7.5	5.8
G118.0	34.5	21.5	6.5	5.5	6.7	19.1	30.5	19.4	7.5	6.0
G119.0	32.1	19.8	6.6	5.7	6.8	17.7	28.6	17.9	7.5	6.1
G120.0	29.7	18.1	6.6	5.9	6.9	16.1	26.4	16.4	7.6	6.2
G121.0	27.6	16.5	6.7	6.0	6.9	15.0	24.4	15.1	7.6	6.4
G122.0	25.5	15.3	6.8	6.1	7.0	13.7	22.4	13.9	7.7	6.5
G123.0	23.6	14.1	7.0	6.3	7.1	12.7	20.8	12.7	7.7	6.6
G124.0	21.8	12.8	7.0	6.4	7.2	11.7	18.9	11.8	7.8	6.7
G125.0	19.9	11.8	7.1	6.5	7.2	10.7	17.2	10.8	7.8	6.9
G126.0	18.1	10.9	7.2	6.7	7.4	9.9	15.8	10.0	7.8	7.0
G127.0	16.6	10.1	7.3	6.8	7.4	9.5	14.1	9.6	8.0	7.1
G128.0	15.1	9.3	7.3	6.9	7.5	9.4	13.0	9.6	8.0	7.3
G129.0	13.8	9.0	7.5	7.1	7.6	9.3	11.9	9.5	8.1	7.4
G130.0	12.5	9.0	7.6	7.2	7.7	9.3	10.8	9.6	8.2	7.4
G131.0	11.3	9.0	7.7	7.2	7.7	9.3	10.4	9.6	8.3	7.7
G132.0	10.4	9.1	7.8	7.4	7.8	9.4	10.4	9.6	8.4	7.8
G133.0	10.1	9.1	7.8	7.5	8.1	9.4	10.5	9.6	8.5	7.9
G134.0	10.2	9.1	8.0	7.7	8.1	9.5	10.5	9.7	8.6	8.0
G135.0	10.2	9.3	8.1	7.8	8.1	9.6	10.6	9.8	8.6	8.1
G136.0	10.2	9.3	8.2	7.9	8.2	9.6	10.6	9.9	8.7	8.2
G137.0	10.3	9.4	8.2	8.0	8.3	9.7	10.6	10.0	8.8	8.4
G138.0	10.4	9.5	8.4	8.2	8.5	9.8	10.7	9.9	8.9	8.5
G139.0	10.4	9.5	8.4	8.2	8.5	9.8	10.8	10.1	9.0	8.6
G140.0	10.4	9.6	8.6	8.4	8.6	9.8	10.7	10.2	9.1	8.7
G141.0	10.4	9.7	8.7	8.5	8.7	9.8	10.8	10.3	9.2	8.8
G142.0	10.4	9.9	8.8	8.5	8.7	9.9	10.7	10.3	9.2	8.8
G143.0	10.4	9.9	8.9	8.7	8.9	10.0	10.8	10.4	9.3	9.0
G144.0	10.4	9.9	9.0	8.8	9.0	10.0	10.8	10.4	9.5	9.1
G145.0	10.6	10.0	9.1	9.0	9.1	10.1	10.8	10.4	9.6	9.2
G146.0	10.5	10.0	9.3	9.0	9.2	10.2	10.8	10.5	9.7	9.4
G147.0	10.6	10.2	9.3	9.2	9.2	10.2	10.9	10.7	9.8	9.5

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.010 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	10.7	10.2	9.5	9.2	9.4	10.3	11.0	10.6	9.8	9.5
G149.0	10.7	10.3	9.6	9.5	9.5	10.3	11.0	10.7	9.9	9.7
G150.0	10.7	10.4	9.7	9.5	9.7	10.4	11.0	10.7	10.0	9.7
G151.0	10.7	10.4	9.7	9.7	9.7	10.5	11.0	10.9	10.1	9.8
G152.0	10.8	10.4	9.8	9.7	9.8	10.6	11.1	10.8	10.2	9.9
G153.0	10.8	10.5	9.9	9.8	9.9	10.7	11.0	10.8	10.2	10.0
G154.0	10.8	10.5	10.0	10.0	10.0	10.8	11.1	10.9	10.4	10.1
G155.0	10.8	10.6	10.1	10.0	10.0	10.8	11.1	11.0	10.4	10.2
G156.0	10.8	10.6	10.2	10.2	10.1	10.8	11.1	11.0	10.4	10.3
G157.0	10.9	10.7	10.4	10.2	10.2	11.0	11.1	11.1	10.5	10.3
G158.0	10.8	10.7	10.4	10.3	10.2	10.9	11.1	11.1	10.5	10.4
G159.0	11.0	10.8	10.4	10.3	10.2	10.9	11.1	11.1	10.5	10.6
G160.0	11.0	10.7	10.5	10.5	10.2	11.0	11.1	11.1	10.6	10.6
G161.0	11.0	10.9	10.7	10.5	10.3	11.0	11.1	11.1	10.6	10.7
G162.0	11.0	10.9	10.7	10.6	10.4	11.1	11.2	11.2	10.7	10.8
G163.0	11.0	10.9	10.7	10.7	10.4	11.1	11.3	11.1	10.8	10.8
G164.0	11.1	11.0	10.9	10.8	10.5	11.1	11.3	11.2	10.9	10.9
G165.0	11.1	11.0	10.9	10.9	10.5	11.1	11.3	11.2	10.9	11.0
G166.0	11.1	11.1	10.9	11.0	10.6	11.2	11.3	11.2	10.9	11.1
G167.0	11.1	11.2	11.0	11.0	10.6	11.3	11.3	11.2	11.0	11.1
G168.0	11.2	11.2	11.1	11.1	10.7	11.2	11.4	11.3	11.1	11.2
G169.0	11.2	11.2	11.2	11.2	10.9	11.2	11.3	11.2	11.1	11.2
G170.0	11.3	11.3	11.2	11.3	10.9	11.2	11.4	11.3	11.2	11.4
G171.0	11.3	11.3	11.2	11.3	10.9	11.2	11.5	11.3	11.2	11.4
G172.0	11.4	11.4	11.3	11.4	11.0	11.2	11.5	11.3	11.3	11.5
G173.0	11.5	11.4	11.4	11.5	11.1	11.2	11.5	11.4	11.3	11.5
G174.0	11.5	11.4	11.4	11.5	11.2	11.1	11.5	11.3	11.4	11.5
G175.0	11.6	11.5	11.4	11.6	11.3	11.2	11.6	11.4	11.6	11.7
G176.0	11.6	11.5	11.5	11.7	11.4	11.2	11.5	11.5	11.6	11.7
G177.0	11.6	11.5	11.6	11.7	11.6	11.4	11.6	11.5	11.8	11.8
G178.0	11.6	11.6	11.7	11.7	11.6	11.6	11.6	11.8	11.8	11.8
G179.0	11.7	11.8	11.7	11.8	11.7	11.8	11.9	11.8	11.8	11.7
G180.0	11.8	11.9	11.7	11.7	11.7	11.8	11.8	11.8	11.7	11.8

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	777.4	777.4	777.4							
G1.0	777.3	777.4	777.9							
G2.0	777.2	776.9	777.8							
G3.0	776.3	776.8	777.6							
G4.0	775.2	776.1	777.4							
G5.0	773.9	775.5	776.8							
G6.0	772.1	774.2	776.0							
G7.0	770.0	772.7	774.7							
G8.0	767.6	771.0	773.4							
G9.0	765.4	769.0	772.0							
G10.0	762.6	766.7	770.4							
G11.0	759.1	764.2	768.1							
G12.0	755.6	761.6	766.1							
G13.0	751.9	758.8	763.6							
G14.0	747.6	755.3	760.9							
G15.0	743.1	751.9	758.1							
G16.0	738.3	748.0	754.8							
G17.0	733.6	744.1	751.5							
G18.0	728.7	740.5	747.9							
G19.0	723.1	735.7	744.1							
G20.0	717.3	731.1	740.3							
G21.0	711.5	726.0	736.3							
G22.0	704.8	721.0	731.6							
G23.0	698.5	715.9	727.2							
G24.0	691.3	710.2	722.1							
G25.0	684.7	704.4	717.1							
G26.0	677.4	698.4	711.9							
G27.0	669.6	692.1	706.1							
G28.0	662.0	685.6	700.6							
G29.0	654.7	678.9	695.1							
G30.0	645.7	672.0	688.8							
G31.0	637.6	665.4	682.4							
G32.0	628.9	657.5	675.7							
G33.0	620.3	650.3	669.2							
G34.0	611.5	642.8	662.8							
G35.0	601.8	634.2	655.1							
G36.0	592.4	626.9	648.5							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	582.6	618.3	641.2							
G38.0	573.1	610.0	633.1							
G39.0	563.7	601.5	625.3							
G40.0	553.5	592.7	616.8							
G41.0	543.6	584.4	608.6							
G42.0	533.6	575.5	600.6							
G43.0	522.5	566.2	591.6							
G44.0	512.6	556.9	583.1							
G45.0	501.5	546.6	574.8							
G46.0	491.1	537.8	565.0							
G47.0	480.3	528.1	556.4							
G48.0	468.9	517.9	546.5							
G49.0	458.4	508.5	537.6							
G50.0	447.9	499.1	528.9							
G51.0	436.3	488.0	518.7							
G52.0	425.2	478.5	508.9							
G53.0	413.7	467.4	499.9							
G54.0	402.6	457.9	489.7							
G55.0	392.1	447.8	480.6							
G56.0	379.8	437.1	469.8							
G57.0	369.1	427.5	460.5							
G58.0	358.4	417.5	450.5							
G59.0	346.3	406.9	439.9							
G60.0	335.5	396.7	430.5							
G61.0	323.6	385.9	419.7							
G62.0	313.0	376.0	409.8							
G63.0	301.8	366.2	400.5							
G64.0	290.4	355.8	390.2							
G65.0	279.4	345.5	380.1							
G66.0	268.9	336.1	370.4							
G67.0	257.9	325.8	360.2							
G68.0	247.3	315.8	350.3							
G69.0	236.3	305.5	340.3							
G70.0	226.5	295.9	330.7							
G71.0	216.4	286.6	321.1							
G72.0	206.0	276.1	311.3							
G73.0	196.0	267.1	301.7							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	186.8	257.9	293.1							
G75.0	176.3	248.1	283.4							
G76.0	167.5	239.1	274.2							
G77.0	157.7	229.8	264.9							
G78.0	149.0	221.0	256.0							
G79.0	140.3	212.8	247.2							
G80.0	131.4	203.5	238.4							
G81.0	123.0	195.4	229.9							
G82.0	114.8	186.8	222.0							
G83.0	107.0	178.9	213.1							
G84.0	99.7	171.3	205.6							
G85.0	91.8	163.3	196.8							
G86.0	86.1	155.6	189.5							
G87.0	78.5	148.7	181.9							
G88.0	71.8	141.0	174.6							
G89.0	65.5	134.2	167.1							
G90.0	59.1	127.0	160.0							
G91.0	53.3	120.0	152.2							
G92.0	47.5	113.5	145.5							
G93.0	41.4	105.7	138.1							
G94.0	36.3	98.9	130.8							
G95.0	32.5	92.4	124.3							
G96.0	28.9	86.0	116.8							
G97.0	26.0	79.6	110.3							
G98.0	23.4	74.5	104.2							
G99.0	21.1	70.2	98.3							
G100.0	19.5	66.4	93.9							
G101.0	17.6	62.9	89.1							
G102.0	15.9	59.6	85.8							
G103.0	14.4	56.7	81.6							
G104.0	13.1	53.4	77.5							
G105.0	12.2	50.8	73.8							
G106.0	11.5	48.0	69.9							
G107.0	10.8	45.6	66.3							
G108.0	10.1	42.8	62.8							
G109.0	9.2	41.2	59.3							
G110.0	8.4	38.9	56.2							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	7.8	36.7	53.1							
G112.0	7.2	34.4	50.0							
G113.0	6.7	32.3	47.2							
G114.0	6.4	30.1	44.1							
G115.0	6.3	28.1	42.1							
G116.0	6.4	25.2	39.5							
G117.0	6.5	22.4	36.8							
G118.0	6.5	20.6	34.5							
G119.0	6.6	18.8	32.1							
G120.0	6.8	17.1	29.7							
G121.0	6.8	15.9	27.6							
G122.0	6.9	14.4	25.5							
G123.0	7.0	13.2	23.6							
G124.0	7.1	12.1	21.8							
G125.0	7.2	11.1	19.9							
G126.0	7.3	10.4	18.1							
G127.0	7.4	9.6	16.6							
G128.0	7.5	9.2	15.1							
G129.0	7.5	9.2	13.8							
G130.0	7.7	9.2	12.5							
G131.0	7.7	9.2	11.3							
G132.0	7.9	9.2	10.4							
G133.0	8.0	9.3	10.1							
G134.0	8.0	9.4	10.2							
G135.0	8.1	9.5	10.2							
G136.0	8.2	9.5	10.2							
G137.0	8.3	9.6	10.3							
G138.0	8.4	9.6	10.4							
G139.0	8.5	9.8	10.4							
G140.0	8.6	9.9	10.4							
G141.0	8.6	9.9	10.4							
G142.0	8.8	10.0	10.4							
G143.0	8.9	10.0	10.4							
G144.0	9.0	10.0	10.4							
G145.0	9.2	10.2	10.6							
G146.0	9.2	10.3	10.5							
G147.0	9.4	10.3	10.6							

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 m
Humidity:
Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	9.5	10.3	10.7							
G149.0	9.6	10.3	10.7							
G150.0	9.6	10.4	10.7							
G151.0	9.8	10.5	10.7							
G152.0	9.8	10.5	10.8							
G153.0	10.0	10.6	10.8							
G154.0	10.0	10.6	10.8							
G155.0	10.2	10.7	10.8							
G156.0	10.2	10.7	10.8							
G157.0	10.2	10.8	10.9							
G158.0	10.3	10.8	10.8							
G159.0	10.5	10.9	11.0							
G160.0	10.5	11.0	11.0							
G161.0	10.6	10.9	11.0							
G162.0	10.8	10.9	11.0							
G163.0	10.6	11.1	11.0							
G164.0	10.7	11.1	11.1							
G165.0	10.9	11.1	11.1							
G166.0	11.0	11.2	11.1							
G167.0	10.9	11.2	11.1							
G168.0	11.0	11.3	11.2							
G169.0	11.1	11.3	11.2							
G170.0	11.2	11.4	11.3							
G171.0	11.1	11.4	11.3							
G172.0	11.2	11.4	11.4							
G173.0	11.2	11.4	11.5							
G174.0	11.3	11.5	11.5							
G175.0	11.3	11.6	11.6							
G176.0	11.5	11.5	11.6							
G177.0	11.5	11.5	11.6							
G178.0	11.6	11.7	11.6							
G179.0	11.7	11.7	11.7							
G180.0	11.6	11.8	11.8							

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature: 25

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector: