

Report No.:

Test Time: 2023-07-11 17:17

## Luminaire Property

Luminaire Manufacturer:

Lamp Catalog: LED

Luminous Width (mm): 100

Voltage: 119.9 V

Power: 30.32 W

Luminous Length (mm): 600

Luminous Height (mm): 30

Current: 0.256 A

Power Factor: 0.989

## Photometric Results

CIE Class: Direct

Measurement Flux: 3978.2 lm

Downward Ratio: 94%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 207.0, 160.8, 185.0, 185.3

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 124.3, 105.6, 114.2, 114.5

Luminaire Efficacy Rating (LER): 131.26

Max. Intensity: 1206.41 cd

S/MH(C0/C180): 1.29

Total Rated Lamp Lumens: 3978.2 lm

Efficiency: 100%

Upward Ratio: 6%

Central Intensity: 1205.97 cd

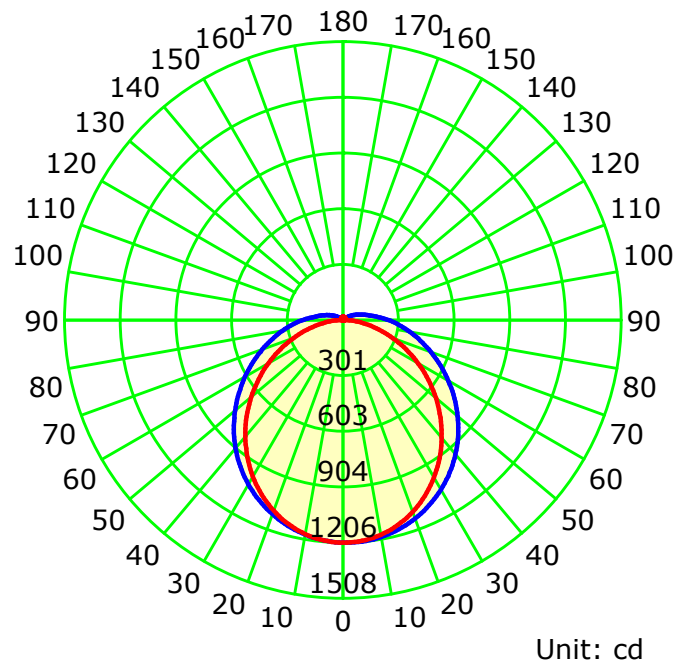
Pos of Max. Intensity: H30 V2

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

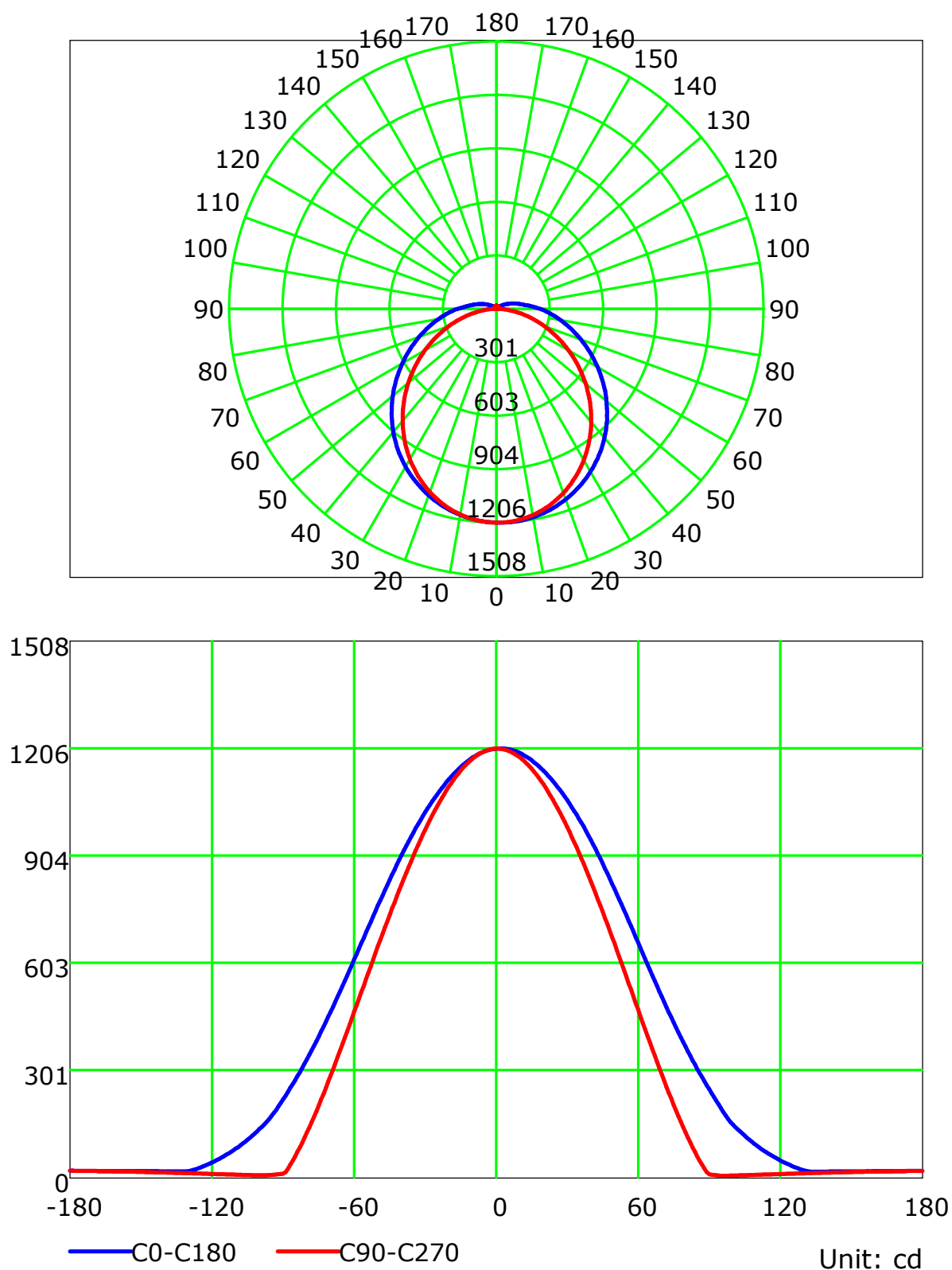
Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

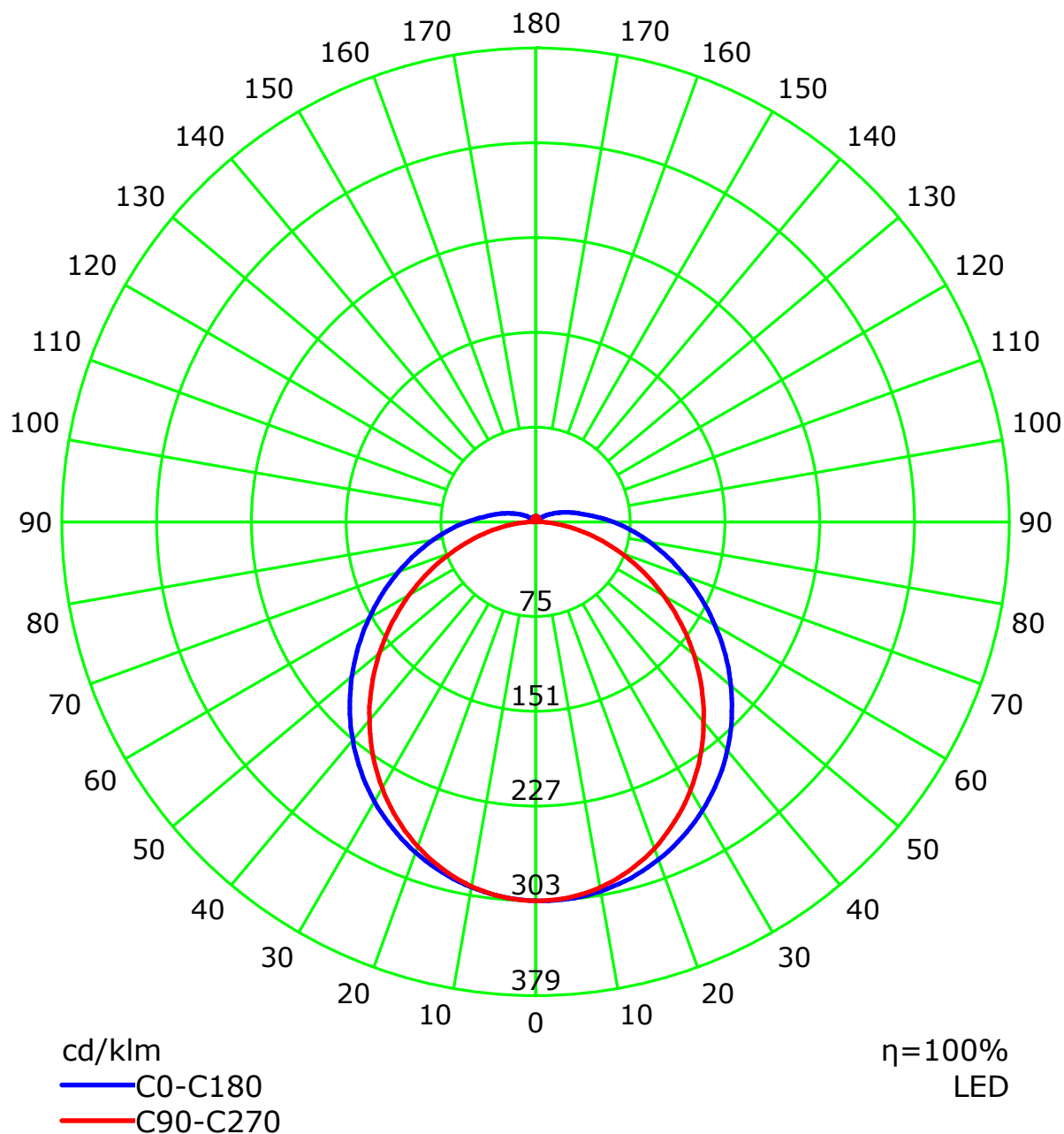
## Luminous Intensity Distribution Curve



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:

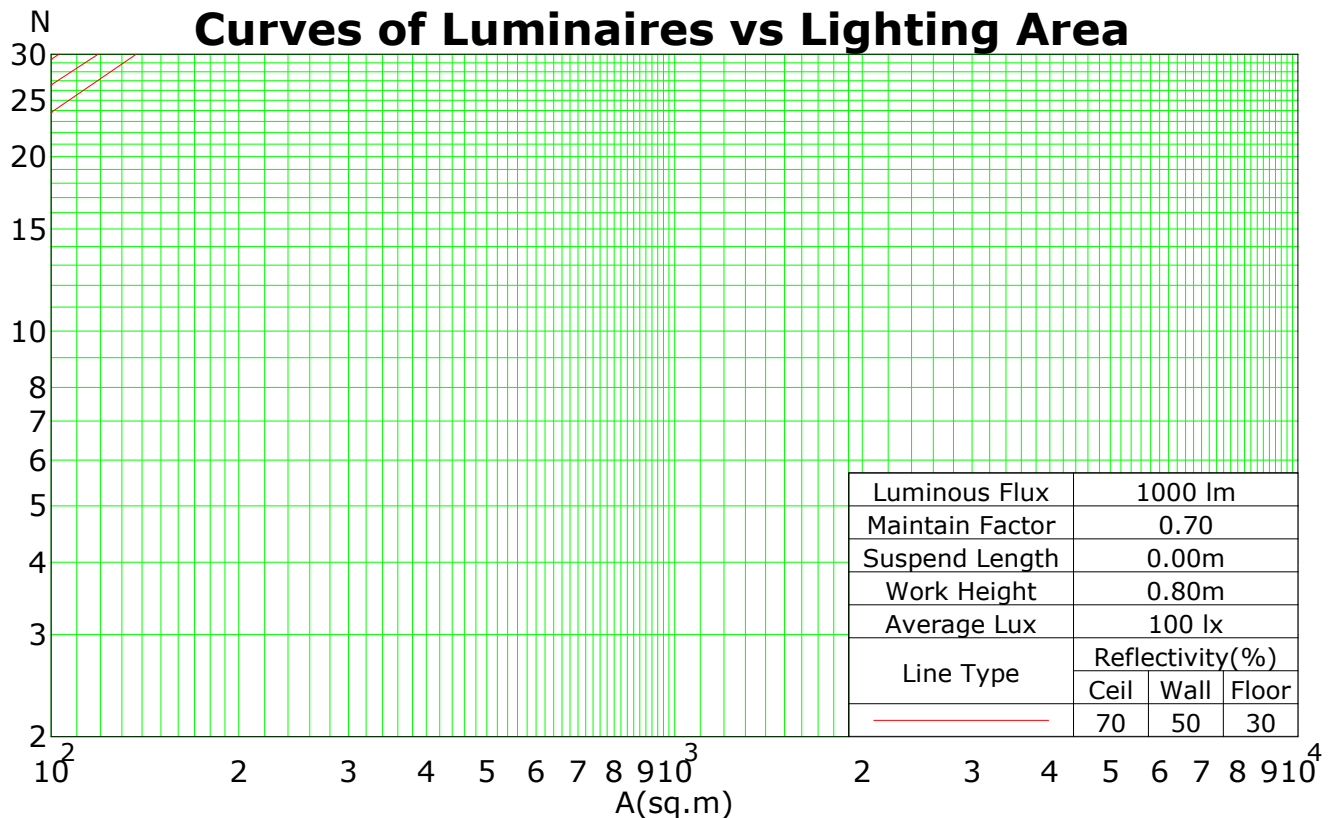
## Coefficients Of Utilization - Zonal Cavity Method

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	95	87	79	73	92	84	77	71	79	74	69	75	70	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	58	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): 1.29

Spacing Criteria (90-270): 1.21

Spacing Criteria (Diagonal): 1.37



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

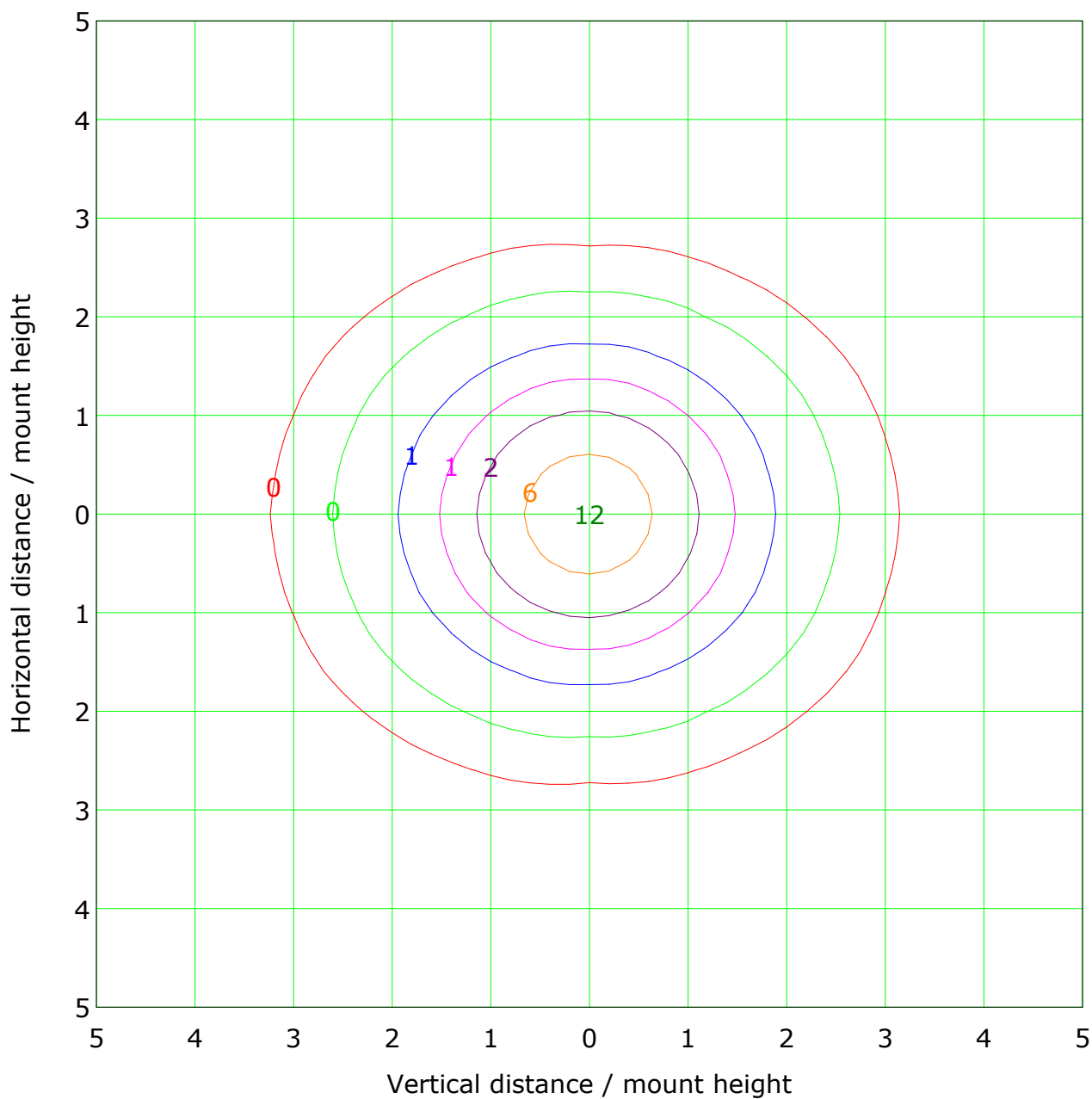
Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 12.1 lx

— ( 1%): 0.1 lx	— ( 2%): 0.2 lx
— ( 5%): 0.6 lx	— ( 10%): 1.2 lx
— ( 20%): 2.4 lx	— ( 50%): 6.0 lx
— (100%): 12.1 lx	

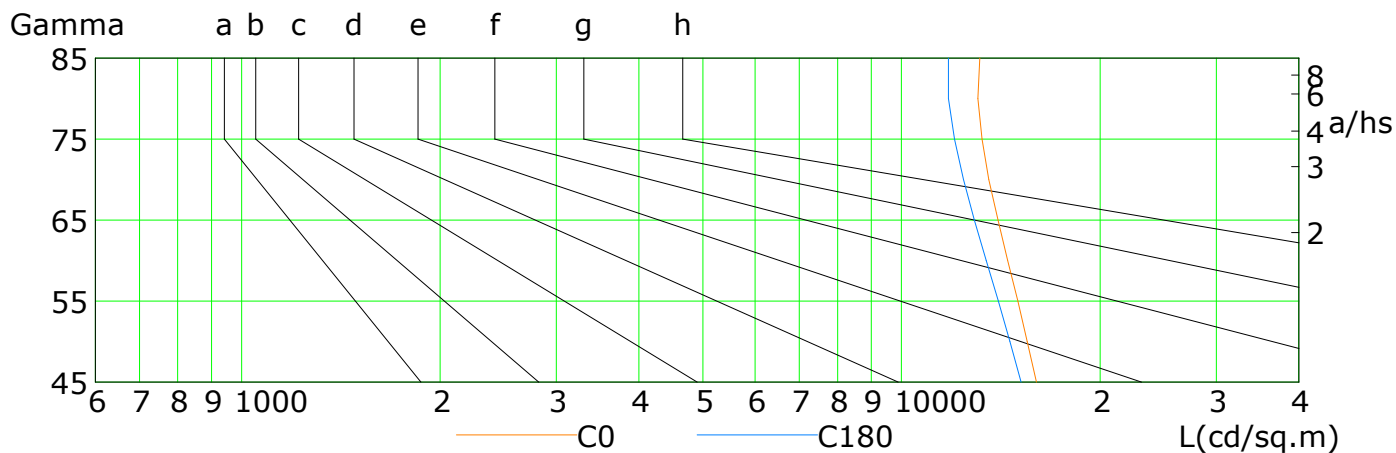
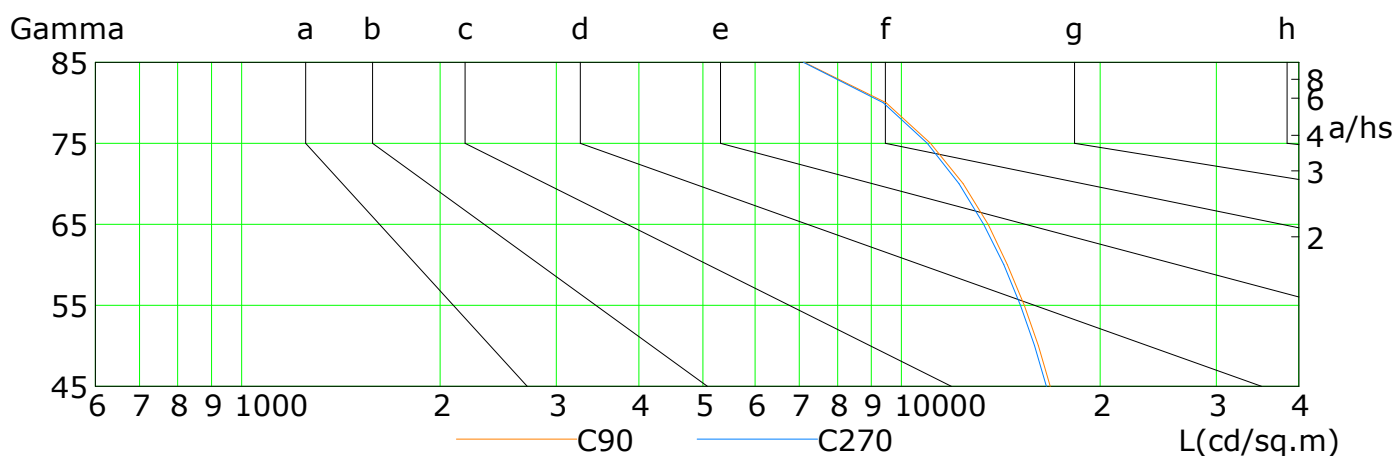
C Plane (°):0.0-360.0: 30.0  
Test Lab:  
Test Type: TYPE C  
Temperature: 25  
Operator:

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	16020	15503	15011	14479	14005	13567	13241	13059	13145
C90	16795	16119	15347	14464	13524	12394	11063	9469	7129
C180	15175	14601	14023	13437	12901	12418	12031	11778	11779
C270	16574	15907	15146	14296	13322	12223	10944	9377	7100

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

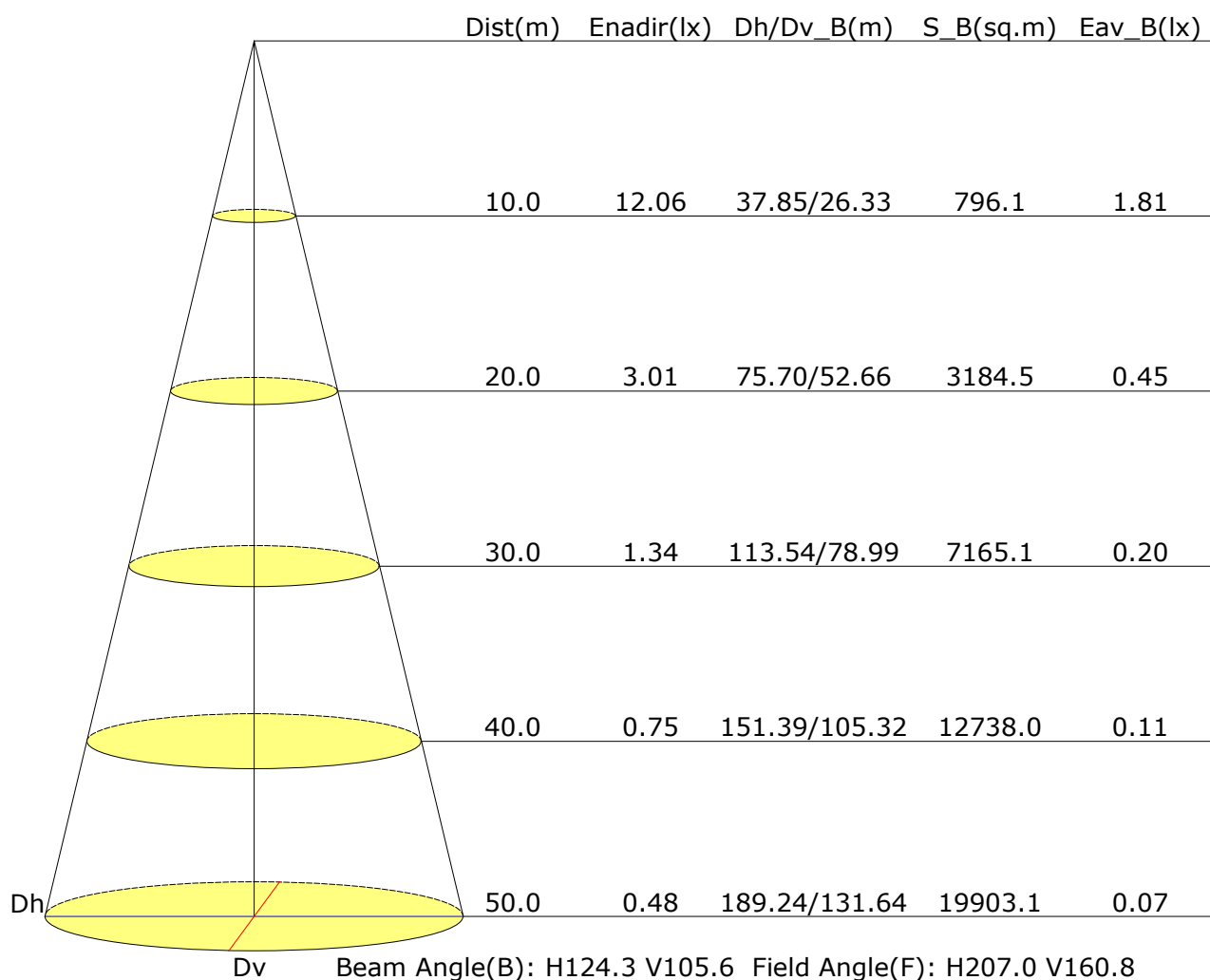
Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

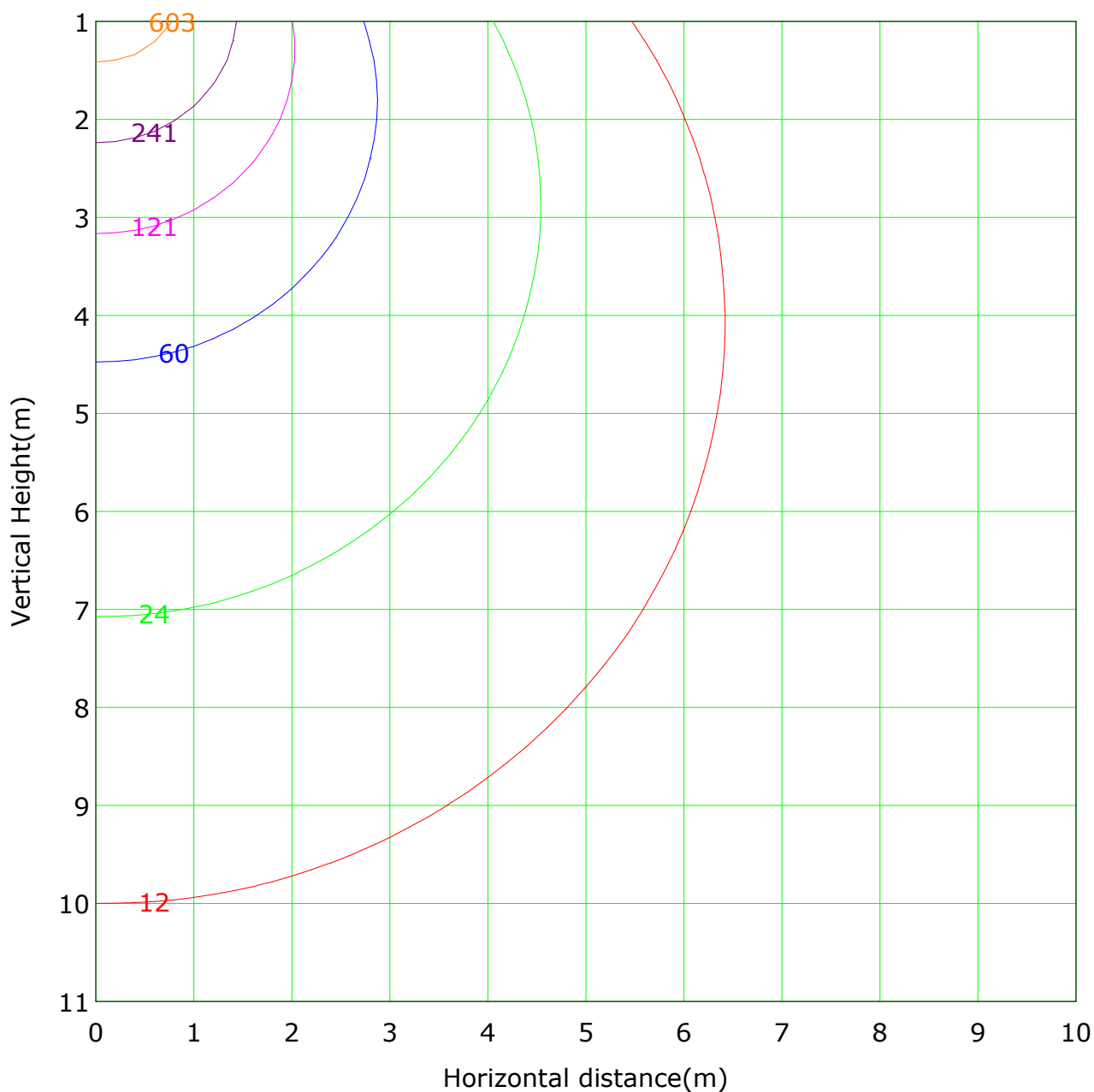
## Illuminance at a Distance



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: 1206.0 lx

— ( 1%): 12.1 lx	— ( 2%): 24.1 lx
— ( 5%): 60.3 lx	— ( 10%): 120.6 lx
— ( 20%): 241.2 lx	— ( 50%): 603.0 lx
— (100%):1206.0 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

		Vertical plane																				
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(E)	Flux(T)
		0.6	1.7	2.7	3.4	3.7	3.6	3.3	2.9	2.2	2.3	3.0	3.6	3.9	4.0	3.7	3.0	1.9	0.6	50.3	40.0	
		0.6	1.9	3.3	4.6	5.4	6.0	6.4	6.6	6.4	6.5	6.9	6.8	6.5	5.9	5.0	3.6	2.1	0.7	85.2	85.2	
		0.6	2.1	3.9	5.8	7.5	9.0	10.2	11.2	11.5	11.6	11.5	10.7	9.6	8.1	6.3	4.3	2.4	0.7	127.2	127.2	
		0.7	2.4	4.6	7.2	9.8	12.3	14.4	16.2	17.0	17.1	16.5	15.0	12.9	10.5	7.8	5.0	2.6	0.7	172.6	172.6	
		0.7	2.6	5.2	8.5	12.1	15.6	18.6	21.1	22.3	22.5	21.5	19.3	16.3	12.8	9.2	5.7	2.8	0.8	217.6	217.6	
		0.7	2.8	5.8	9.7	14.2	18.6	22.6	25.6	27.3	27.4	26.0	23.2	19.4	15.0	10.4	6.3	3.1	0.8	258.8	258.8	
		0.7	3.0	6.3	10.7	15.9	21.2	25.8	29.4	31.4	31.6	29.9	26.5	22.0	16.7	11.5	6.8	3.2	0.8	293.3	293.3	
		0.8	3.1	6.7	11.5	17.1	22.9	28.2	32.1	34.4	34.6	32.6	28.9	23.8	18.0	12.3	7.2	3.4	0.8	318.2	318.2	
		0.8	3.2	6.9	11.9	17.8	23.9	29.4	33.6	36.0	36.1	34.1	30.2	24.8	18.8	12.8	7.5	3.5	0.9	332.2	332.2	
		0.8	3.2	6.9	12.0	17.9	24.0	29.5	33.7	36.0	36.2	34.2	30.2	24.9	18.8	12.8	7.5	3.5	0.9	332.8	332.8	
		0.8	3.1	6.7	11.5	17.2	23.1	28.4	32.3	34.5	34.7	32.8	29.0	23.9	18.1	12.3	7.2	3.4	0.8	320.0	320.0	
		0.7	3.0	6.3	10.8	16.1	21.4	26.1	29.6	31.6	31.8	30.1	26.7	22.2	16.9	11.5	6.9	3.2	0.8	295.7	295.7	
		0.7	2.8	5.9	9.8	14.4	18.9	22.8	25.9	27.5	27.7	26.3	23.4	19.6	15.1	10.5	6.3	3.1	0.8	261.6	261.6	
		0.7	2.6	5.3	8.7	12.3	15.8	18.9	21.4	22.6	22.7	21.7	19.5	16.5	13.0	9.3	5.7	2.9	0.8	220.4	220.4	
		0.7	2.4	4.7	7.3	10.0	12.5	14.7	16.4	17.2	17.3	16.7	15.1	13.1	10.6	7.9	5.0	2.6	0.8	175.0	175.0	
		0.6	2.2	4.0	6.0	7.7	9.2	10.4	11.4	11.7	11.8	11.6	10.8	9.7	8.2	6.4	4.3	2.4	0.7	129.0	129.0	
		0.6	1.9	3.4	4.7	5.6	6.2	6.6	6.7	6.5	6.6	6.9	6.8	6.5	6.0	5.0	3.7	2.1	0.7	86.5	86.5	
		0.6	1.7	2.8	3.5	3.8	3.7	3.4	3.0	2.3	2.3	3.0	3.6	3.9	4.1	3.8	3.0	1.9	0.6	51.1	41.2	
		12.4	45.5	91.4	147.7	208.5	267.1	317.0	355.5	375.0	377.3	362.1	327.0	279.0	220.4	158.3	99.2	50.0	13.9	3727		
		12.4	45.5	91.4	147.7	208.5	267.1	317.0	355.5	375.0	377.3	362.1	327.0	279.0	220.4	158.3	99.2	50.0	13.9		3707	
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(E)	Flux(T)
		Horizontal plane																				

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

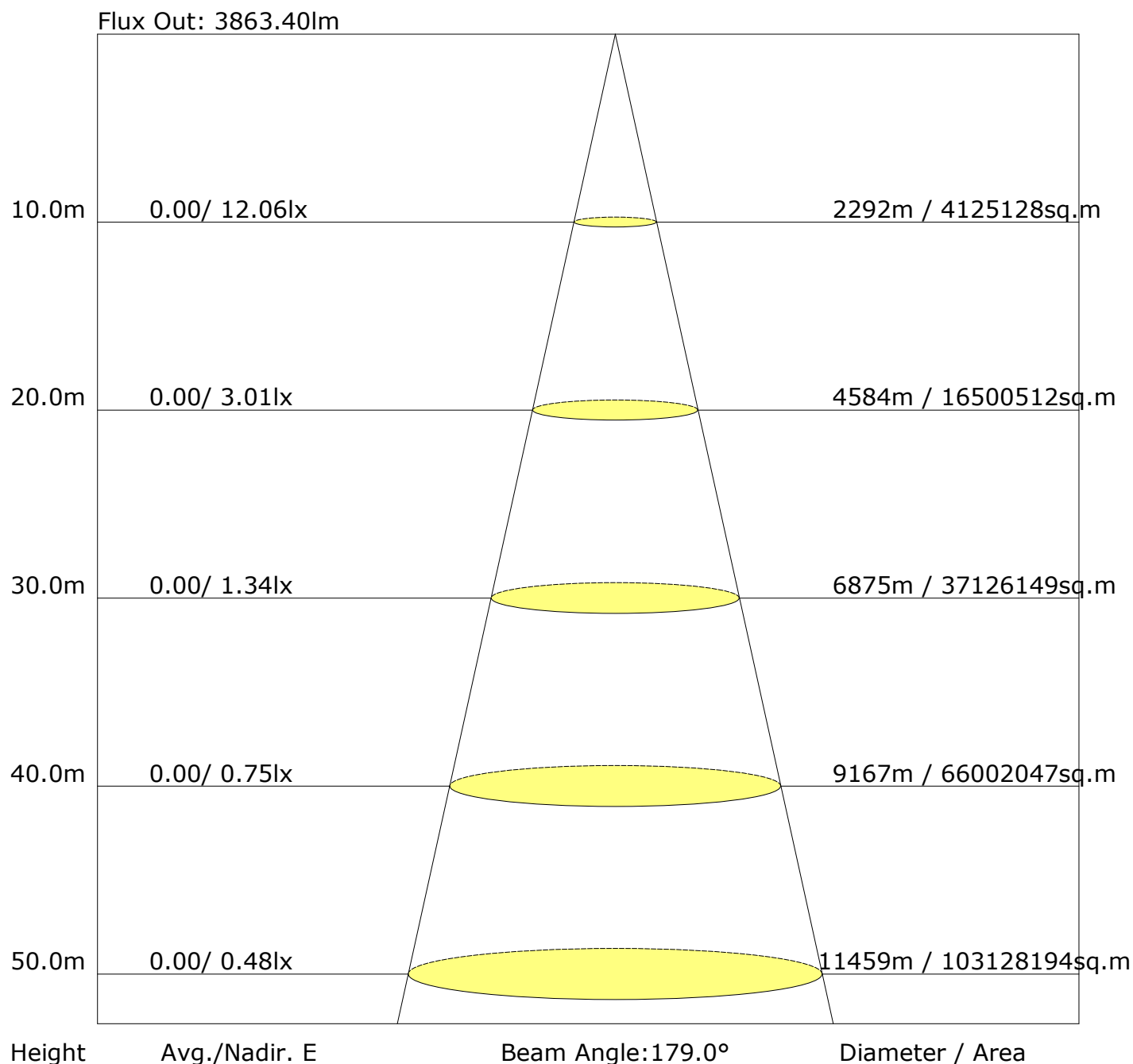
Test Device: GPM-1600L

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

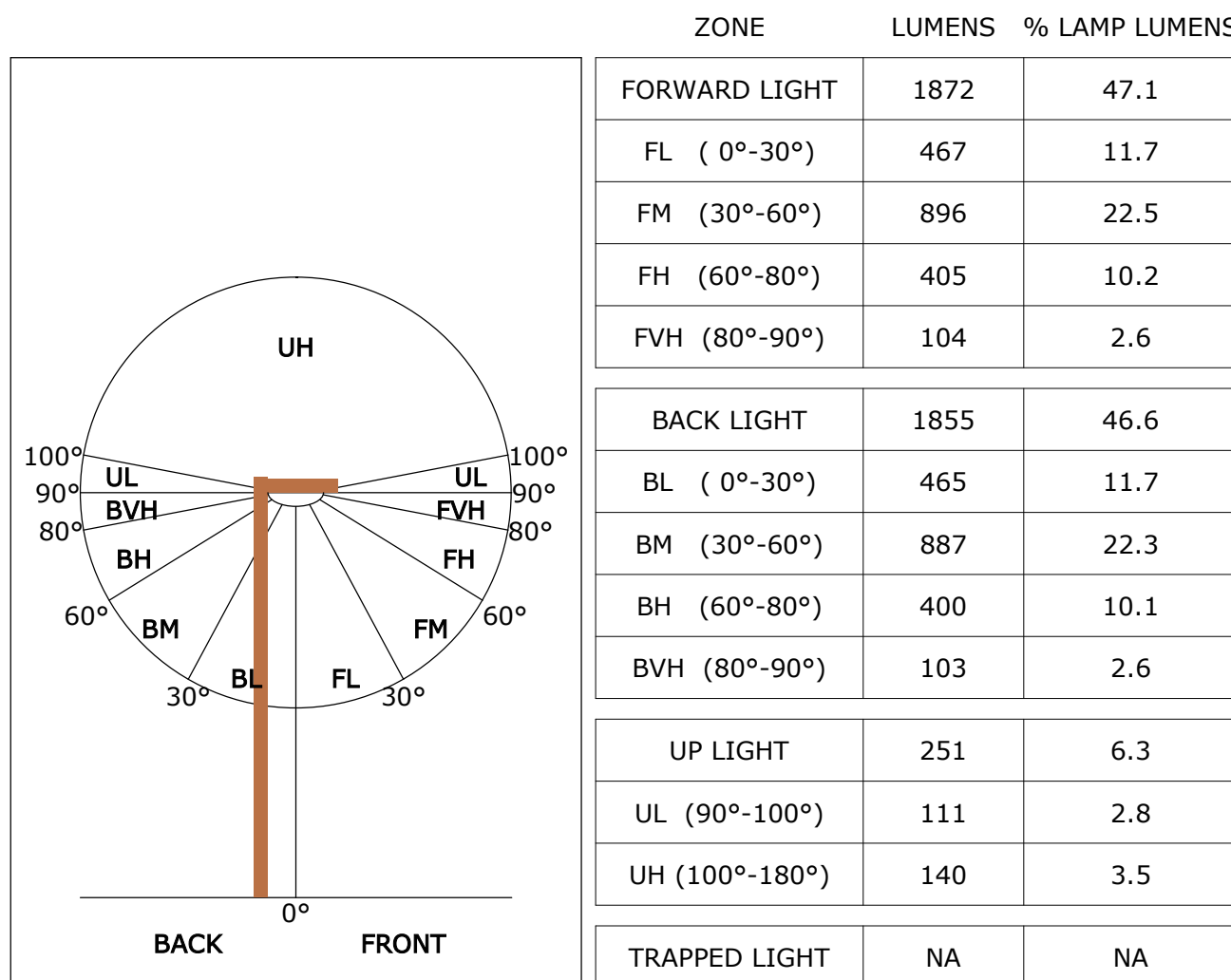
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	21.8	23.1	22.2	23.5	23.9	21.1	22.4	21.5	22.8	23.2
3H	23.6	24.9	24.1	25.3	25.7	22.5	23.7	22.9	24.1	24.5
4H	24.5	25.7	25.0	26.1	26.5	23.1	24.2	23.5	24.7	25.1
6H	25.4	26.5	25.9	26.9	27.4	23.5	24.6	24.0	25.0	25.5
8H	25.8	26.9	26.3	27.3	27.8	23.6	24.7	24.1	25.1	25.6
12H	26.2	27.2	26.7	27.7	28.1	23.7	24.7	24.2	25.2	25.7
X=4H Y=2H	22.4	23.5	22.8	23.9	24.4	21.8	23.0	22.2	23.4	23.8
3H	24.4	25.4	24.9	25.9	26.4	23.4	24.4	23.9	24.9	25.4
4H	25.5	26.4	26.0	26.9	27.4	24.1	25.0	24.6	25.5	26.0
6H	26.5	27.3	27.0	27.8	28.4	24.7	25.5	25.2	26.0	26.6
8H	27.0	27.8	27.6	28.3	28.9	24.9	25.7	25.4	26.2	26.7
12H	27.5	28.2	28.1	28.7	29.3	25.1	25.7	25.6	26.3	26.8
X=8H Y=4H	25.8	26.5	26.3	27.0	27.6	24.6	25.3	25.1	25.9	26.4
6H	27.0	27.7	27.6	28.2	28.8	25.4	26.0	25.9	26.5	27.1
8H	27.7	28.2	28.3	28.8	29.4	25.7	26.2	26.3	26.8	27.4
12H	28.3	28.8	28.9	29.4	30.0	25.9	26.4	26.5	27.0	27.6
X=12H Y=4H	25.8	26.5	26.3	27.0	27.6	24.7	25.4	25.2	25.9	26.5
6H	27.1	27.7	27.7	28.2	28.8	25.5	26.1	26.1	26.7	27.3
8H	27.8	28.3	28.4	28.9	29.5	25.9	26.4	26.5	27.0	27.6
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  $3978\text{lm}$  ( $8\log(F/F_0) = 4.8$ ).

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:

**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 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: 25  
Operator:

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

## Zonal Lumen

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1205.8	1.2	1.2	0.03	0.03
1.0-2.0	1205.4	3.5	4.6	0.09	0.12
2.0-3.0	1204.5	5.8	10.4	0.14	0.26
3.0-4.0	1203.1	8.1	18.4	0.20	0.46
4.0-5.0	1201.3	10.3	28.8	0.26	0.72
5.0-6.0	1199.0	12.6	41.4	0.32	1.04
6.0-7.0	1196.3	14.9	56.2	0.37	1.41
7.0-8.0	1193.1	17.1	73.3	0.43	1.84
8.0-9.0	1189.5	19.3	92.6	0.48	2.33
9.0-10.0	1185.5	21.5	114.0	0.54	2.87
10.0-11.0	1180.9	23.6	137.6	0.59	3.46
11.0-12.0	1175.9	25.7	163.3	0.65	4.11
12.0-13.0	1170.7	27.8	191.1	0.70	4.80
13.0-14.0	1164.8	29.8	220.9	0.75	5.55
14.0-15.0	1158.5	31.8	252.8	0.80	6.35
15.0-16.0	1151.8	33.8	286.5	0.85	7.20
16.0-17.0	1144.6	35.6	322.2	0.90	8.10
17.0-18.0	1137.3	37.5	359.7	0.94	9.04
18.0-19.0	1129.4	39.3	399.0	0.99	10.03
19.0-20.0	1121.1	41.0	440.0	1.03	11.06
20.0-21.0	1112.8	42.7	482.7	1.07	12.13
21.0-22.0	1103.6	44.4	527.1	1.11	13.25
22.0-23.0	1094.1	45.9	573.0	1.15	14.40
23.0-24.0	1084.3	47.4	620.4	1.19	15.60
24.0-25.0	1074.2	48.8	669.3	1.23	16.82
25.0-26.0	1064.0	50.2	719.5	1.26	18.09
26.0-27.0	1053.1	51.5	771.0	1.30	19.38
27.0-28.0	1042.0	52.8	823.8	1.33	20.71
28.0-29.0	1030.8	53.9	877.7	1.36	22.06
29.0-30.0	1018.9	55.0	932.8	1.38	23.45
30.0-31.0	1006.7	56.0	988.8	1.41	24.85
31.0-32.0	994.2	57.0	1045.7	1.43	26.29
32.0-33.0	981.5	57.8	1103.6	1.45	27.74
33.0-34.0	968.9	58.6	1162.2	1.47	29.21
34.0-35.0	955.4	59.3	1221.6	1.49	30.71
35.0-36.0	941.8	60.0	1281.5	1.51	32.21

C Plane (°):0.0-360.0: 30.0  
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 Temperature: 25  
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Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1600L  
 Distance: 9.010 m  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 1)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	928.2	60.5	1342.1	1.52	33.74
37.0-38.0	913.9	61.0	1403.1	1.53	35.27
38.0-39.0	899.8	61.4	1464.5	1.54	36.81
39.0-40.0	885.1	61.7	1526.3	1.55	38.37
40.0-41.0	870.2	62.0	1588.2	1.56	39.92
41.0-42.0	855.8	62.2	1650.4	1.56	41.49
42.0-43.0	840.5	62.3	1712.7	1.57	43.05
43.0-44.0	824.9	62.3	1774.9	1.57	44.62
44.0-45.0	809.5	62.2	1837.2	1.56	46.18
45.0-46.0	793.6	62.1	1899.2	1.56	47.74
46.0-47.0	777.8	61.9	1961.1	1.56	49.30
47.0-48.0	761.6	61.6	2022.7	1.55	50.84
48.0-49.0	745.3	61.2	2083.9	1.54	52.38
49.0-50.0	729.5	60.8	2144.7	1.53	53.91
50.0-51.0	713.0	60.3	2205.1	1.52	55.43
51.0-52.0	696.3	59.8	2264.8	1.50	56.93
52.0-53.0	680.0	59.2	2324.0	1.49	58.42
53.0-54.0	663.2	58.5	2382.4	1.47	59.89
54.0-55.0	646.8	57.7	2440.2	1.45	61.34
55.0-56.0	630.0	56.9	2497.1	1.43	62.77
56.0-57.0	613.1	56.1	2553.2	1.41	64.18
57.0-58.0	596.8	55.2	2608.4	1.39	65.57
58.0-59.0	579.7	54.2	2662.6	1.36	66.93
59.0-60.0	562.8	53.2	2715.8	1.34	68.27
60.0-61.0	546.0	52.1	2767.9	1.31	69.58
61.0-62.0	529.2	51.0	2818.9	1.28	70.86
62.0-63.0	513.1	49.9	2868.8	1.25	72.11
63.0-64.0	496.5	48.7	2917.5	1.22	73.34
64.0-65.0	480.0	47.5	2965.0	1.19	74.53
65.0-66.0	464.2	46.3	3011.3	1.16	75.70
66.0-67.0	447.9	45.0	3056.4	1.13	76.83
67.0-68.0	431.8	43.7	3100.1	1.10	77.93
68.0-69.0	415.8	42.4	3142.6	1.07	78.99
69.0-70.0	400.0	41.1	3183.6	1.03	80.03
70.0-71.0	385.0	39.8	3223.4	1.00	81.03
71.0-72.0	369.6	38.4	3261.9	0.97	81.99

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	354.4	37.1	3298.9	0.93	82.92
73.0-74.0	340.0	35.8	3334.7	0.90	83.82
74.0-75.0	325.2	34.4	3369.1	0.86	84.69
75.0-76.0	310.6	33.0	3402.0	0.83	85.52
76.0-77.0	296.4	31.6	3433.6	0.79	86.31
77.0-78.0	282.5	30.2	3463.9	0.76	87.07
78.0-79.0	269.4	28.9	3492.8	0.73	87.80
79.0-80.0	255.9	27.6	3520.4	0.69	88.49
80.0-81.0	242.7	26.3	3546.7	0.66	89.15
81.0-82.0	230.3	25.0	3571.7	0.63	89.78
82.0-83.0	217.9	23.7	3595.3	0.60	90.38
83.0-84.0	206.1	22.5	3617.8	0.56	90.94
84.0-85.0	194.2	21.2	3639.0	0.53	91.47
85.0-86.0	182.8	20.0	3659.0	0.50	91.98
86.0-87.0	172.2	18.8	3677.8	0.47	92.45
87.0-88.0	161.4	17.7	3695.5	0.44	92.89
88.0-89.0	151.1	16.6	3712.1	0.42	93.31
89.0-90.0	141.6	15.5	3727.6	0.39	93.70
90.0-91.0	132.9	14.6	3742.2	0.37	94.07
91.0-92.0	124.9	13.7	3755.9	0.34	94.41
92.0-93.0	117.0	12.8	3768.7	0.32	94.73
93.0-94.0	109.3	12.0	3780.6	0.30	95.03
94.0-95.0	102.4	11.2	3791.8	0.28	95.32
95.0-96.0	95.7	10.4	3802.3	0.26	95.58
96.0-97.0	89.7	9.8	3812.1	0.25	95.82
97.0-98.0	84.7	9.2	3821.3	0.23	96.05
98.0-99.0	80.1	8.7	3830.0	0.22	96.27
99.0-100.0	75.9	8.2	3838.2	0.21	96.48
100.0-101.0	71.7	7.7	3845.9	0.19	96.67
101.0-102.0	67.7	7.3	3853.2	0.18	96.86
102.0-103.0	64.0	6.9	3860.0	0.17	97.03
103.0-104.0	60.3	6.4	3866.4	0.16	97.19
104.0-105.0	56.9	6.0	3872.5	0.15	97.34
105.0-106.0	53.8	5.7	3878.2	0.14	97.49
106.0-107.0	50.8	5.3	3883.5	0.13	97.62
107.0-108.0	48.1	5.0	3888.5	0.13	97.75

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	45.2	4.7	3893.2	0.12	97.86
109.0-110.0	42.5	4.4	3897.6	0.11	97.97
110.0-111.0	39.9	4.1	3901.7	0.10	98.08
111.0-112.0	37.5	3.8	3905.6	0.10	98.17
112.0-113.0	35.2	3.6	3909.1	0.09	98.26
113.0-114.0	32.9	3.3	3912.4	0.08	98.35
114.0-115.0	30.8	3.1	3915.5	0.08	98.42
115.0-116.0	29.0	2.9	3918.4	0.07	98.50
116.0-117.0	27.1	2.7	3921.0	0.07	98.56
117.0-118.0	25.3	2.5	3923.5	0.06	98.62
118.0-119.0	23.9	2.3	3925.8	0.06	98.68
119.0-120.0	22.5	2.2	3928.0	0.05	98.74
120.0-121.0	21.3	2.0	3930.0	0.05	98.79
121.0-122.0	20.1	1.9	3931.8	0.05	98.83
122.0-123.0	19.0	1.8	3933.6	0.04	98.88
123.0-124.0	18.0	1.6	3935.2	0.04	98.92
124.0-125.0	17.0	1.5	3936.8	0.04	98.96
125.0-126.0	16.2	1.4	3938.2	0.04	98.99
126.0-127.0	15.4	1.4	3939.6	0.03	99.03
127.0-128.0	14.8	1.3	3940.9	0.03	99.06
128.0-129.0	14.5	1.2	3942.1	0.03	99.09
129.0-130.0	14.2	1.2	3943.3	0.03	99.12
130.0-131.0	14.0	1.2	3944.5	0.03	99.15
131.0-132.0	13.9	1.1	3945.6	0.03	99.18
132.0-133.0	14.0	1.1	3946.8	0.03	99.21
133.0-134.0	14.1	1.1	3947.9	0.03	99.24
134.0-135.0	14.2	1.1	3949.0	0.03	99.27
135.0-136.0	14.3	1.1	3950.1	0.03	99.29
136.0-137.0	14.4	1.1	3951.2	0.03	99.32
137.0-138.0	14.5	1.1	3952.2	0.03	99.35
138.0-139.0	14.6	1.1	3953.3	0.03	99.37
139.0-140.0	14.7	1.1	3954.4	0.03	99.40
140.0-141.0	14.9	1.0	3955.4	0.03	99.43
141.0-142.0	15.0	1.0	3956.4	0.03	99.45
142.0-143.0	15.1	1.0	3957.4	0.03	99.48
143.0-144.0	15.2	1.0	3958.4	0.02	99.50

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 <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	15.4	1.0	3959.4	0.02	99.53
145.0-146.0	15.5	1.0	3960.4	0.02	99.55
146.0-147.0	15.6	0.9	3961.3	0.02	99.58
147.0-148.0	15.7	0.9	3962.2	0.02	99.60
148.0-149.0	15.8	0.9	3963.1	0.02	99.62
149.0-150.0	15.9	0.9	3964.0	0.02	99.64
150.0-151.0	16.0	0.9	3964.9	0.02	99.67
151.0-152.0	16.1	0.8	3965.7	0.02	99.69
152.0-153.0	16.2	0.8	3966.6	0.02	99.71
153.0-154.0	16.3	0.8	3967.4	0.02	99.73
154.0-155.0	16.4	0.8	3968.1	0.02	99.75
155.0-156.0	16.5	0.8	3968.9	0.02	99.77
156.0-157.0	16.6	0.7	3969.6	0.02	99.78
157.0-158.0	16.7	0.7	3970.3	0.02	99.80
158.0-159.0	16.8	0.7	3971.0	0.02	99.82
159.0-160.0	16.8	0.6	3971.6	0.02	99.83
160.0-161.0	16.9	0.6	3972.2	0.02	99.85
161.0-162.0	17.0	0.6	3972.8	0.01	99.86
162.0-163.0	17.1	0.6	3973.4	0.01	99.88
163.0-164.0	17.2	0.5	3973.9	0.01	99.89
164.0-165.0	17.2	0.5	3974.4	0.01	99.91
165.0-166.0	17.3	0.5	3974.9	0.01	99.92
166.0-167.0	17.4	0.4	3975.4	0.01	99.93
167.0-168.0	17.4	0.4	3975.8	0.01	99.94
168.0-169.0	17.5	0.4	3976.2	0.01	99.95
169.0-170.0	17.6	0.4	3976.5	0.01	99.96
170.0-171.0	17.7	0.3	3976.8	0.01	99.97
171.0-172.0	17.7	0.3	3977.1	0.01	99.97
172.0-173.0	17.8	0.3	3977.4	0.01	99.98
173.0-174.0	17.8	0.2	3977.6	0.01	99.98
174.0-175.0	17.9	0.2	3977.8	0.00	99.99
175.0-176.0	18.0	0.2	3977.9	0.00	99.99
176.0-177.0	18.1	0.1	3978.1	0.00	100.00
177.0-178.0	18.2	0.1	3978.1	0.00	100.00
178.0-179.0	18.4	0.1	3978.2	0.00	100.00
179.0-180.0	18.5	0.0	3978.2	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	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0	1206.0
G1.0	1206.4	1206.3	1206.3	1205.8	1205.7	1205.4	1204.9	1204.6	1205.3	1205.6
G2.0	1206.4	1206.4	1205.9	1205.3	1204.3	1204.5	1203.8	1204.0	1204.2	1204.7
G3.0	1206.2	1205.8	1205.1	1204.0	1203.0	1203.1	1202.4	1202.2	1202.2	1202.9
G4.0	1205.5	1205.2	1203.8	1202.4	1201.5	1201.1	1200.5	1199.8	1200.3	1200.6
G5.0	1204.5	1204.2	1202.2	1200.2	1199.3	1199.0	1198.2	1197.5	1197.5	1198.3
G6.0	1203.2	1202.2	1199.8	1197.6	1196.2	1196.3	1195.2	1194.4	1194.4	1195.2
G7.0	1201.1	1200.3	1196.9	1194.0	1193.0	1193.4	1192.1	1191.2	1190.8	1191.7
G8.0	1199.3	1197.8	1194.0	1190.3	1189.3	1190.0	1188.5	1187.3	1186.5	1187.3
G9.0	1196.6	1194.8	1190.3	1186.0	1184.8	1185.8	1184.7	1183.1	1181.4	1182.9
G10.0	1194.0	1191.8	1186.2	1181.5	1180.3	1181.8	1180.6	1178.8	1176.6	1177.7
G11.0	1190.1	1188.0	1181.1	1175.8	1174.7	1177.1	1176.0	1173.6	1171.2	1171.6
G12.0	1186.2	1183.9	1176.2	1169.9	1169.0	1171.8	1171.2	1168.5	1165.3	1166.1
G13.0	1182.6	1179.5	1170.8	1163.9	1163.1	1166.3	1166.2	1163.1	1159.0	1159.4
G14.0	1178.0	1174.3	1164.7	1156.5	1156.0	1160.3	1160.2	1156.1	1151.7	1152.2
G15.0	1173.6	1168.9	1158.1	1149.8	1149.2	1154.6	1154.3	1149.7	1144.2	1144.3
G16.0	1167.6	1162.6	1150.3	1141.3	1141.0	1147.5	1147.9	1142.7	1136.1	1136.1
G17.0	1162.4	1156.8	1143.3	1133.2	1133.5	1140.9	1141.0	1135.5	1127.7	1127.7
G18.0	1156.4	1150.8	1135.5	1124.7	1125.0	1133.5	1134.5	1128.2	1119.5	1118.8
G19.0	1150.1	1143.4	1126.8	1115.2	1116.0	1125.7	1127.1	1120.0	1110.0	1108.9
G20.0	1143.8	1136.5	1118.6	1105.7	1106.9	1117.6	1119.5	1111.6	1100.7	1099.3
G21.0	1137.1	1129.2	1109.5	1095.6	1097.7	1109.6	1112.0	1103.7	1091.3	1089.5
G22.0	1129.6	1120.4	1099.5	1084.4	1087.3	1100.8	1103.1	1093.9	1080.2	1077.7
G23.0	1122.6	1112.6	1089.9	1073.6	1076.8	1091.6	1095.1	1085.1	1069.9	1067.2
G24.0	1114.2	1103.2	1078.7	1061.9	1065.8	1081.8	1086.0	1075.2	1058.4	1055.2
G25.0	1106.6	1094.4	1068.4	1050.2	1054.7	1072.3	1076.7	1065.4	1046.9	1043.8
G26.0	1098.0	1085.3	1057.6	1038.6	1043.4	1062.6	1067.7	1055.7	1035.6	1031.6
G27.0	1089.1	1075.1	1045.4	1025.8	1031.3	1051.7	1057.8	1044.7	1023.1	1018.3
G28.0	1080.7	1065.5	1033.5	1012.8	1019.3	1041.4	1048.0	1033.7	1010.9	1005.2
G29.0	1071.1	1055.4	1021.7	1000.2	1007.0	1031.0	1038.2	1023.2	999.0	992.6
G30.0	1061.1	1044.4	1008.7	985.6	993.1	1019.0	1027.2	1010.5	984.8	977.6
G31.0	1051.5	1033.8	996.0	972.2	980.7	1007.9	1016.3	999.5	972.0	964.3
G32.0	1040.9	1022.0	982.4	956.9	965.9	995.3	1005.0	987.2	957.9	949.3
G33.0	1030.4	1011.2	969.0	943.1	952.7	983.8	993.8	974.8	943.9	934.9
G34.0	1020.6	999.6	955.8	929.0	938.9	972.2	982.3	962.5	929.9	920.2
G35.0	1008.7	986.8	940.6	912.8	924.0	958.6	969.9	948.5	914.6	904.2
G36.0	998.2	975.2	926.8	898.0	910.2	946.2	957.9	936.3	899.9	888.8

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 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	986.5	962.7	912.0	882.2	895.3	933.6	944.9	922.6	884.3	872.4
G38.0	974.0	949.5	896.5	865.8	878.9	919.2	932.3	909.2	869.4	856.6
G39.0	961.8	937.1	881.5	849.7	864.4	906.5	919.9	896.2	854.6	841.1
G40.0	948.9	922.8	865.4	831.9	848.0	891.5	906.1	881.2	837.8	823.4
G41.0	936.3	909.9	849.9	816.1	832.4	878.2	892.9	867.8	822.5	807.4
G42.0	924.2	896.1	834.9	800.1	816.8	864.2	880.0	854.0	807.2	791.4
G43.0	909.9	881.2	817.6	781.6	799.8	849.0	865.1	838.4	789.7	773.0
G44.0	897.1	867.8	801.4	764.4	783.6	834.6	851.7	824.2	774.2	756.5
G45.0	883.6	853.5	785.8	748.2	768.2	819.8	836.9	808.1	757.0	738.3
G46.0	868.4	838.1	768.1	729.7	750.0	804.3	822.5	793.7	740.4	721.2
G47.0	855.1	823.2	752.2	712.2	734.1	790.2	808.0	778.7	723.7	703.5
G48.0	840.4	807.7	734.7	693.5	715.7	773.5	793.0	762.8	706.0	685.1
G49.0	825.9	792.4	717.9	675.6	699.6	758.8	779.3	747.4	689.2	668.0
G50.0	811.7	778.1	701.9	658.7	682.7	743.6	764.4	732.6	673.1	650.0
G51.0	796.6	761.5	683.4	638.8	664.9	727.4	749.1	715.4	655.1	631.2
G52.0	782.1	746.7	666.1	620.7	647.8	711.8	734.5	700.7	638.1	613.2
G53.0	768.2	731.2	649.7	603.4	631.5	696.9	718.8	684.5	620.1	594.3
G54.0	752.1	715.0	631.0	583.5	612.8	680.1	703.7	668.9	602.7	575.8
G55.0	737.9	699.4	614.5	565.9	596.4	664.6	689.3	654.3	586.4	558.5
G56.0	721.7	683.2	595.8	545.9	577.5	648.4	673.1	637.4	567.7	538.5
G57.0	707.0	667.5	579.0	528.3	561.1	633.7	658.7	622.6	551.0	521.1
G58.0	691.8	651.9	561.6	509.0	542.9	617.4	643.4	607.0	533.9	502.9
G59.0	675.3	635.0	542.8	489.8	524.8	601.1	627.6	590.8	515.8	483.9
G60.0	660.1	620.0	525.3	471.5	507.6	585.6	612.6	575.2	499.4	466.0
G61.0	644.2	603.1	507.3	452.4	489.9	569.6	597.0	559.2	480.8	446.4
G62.0	629.1	588.2	490.0	434.1	472.8	554.2	582.8	543.8	464.6	428.9
G63.0	614.5	572.5	473.5	416.5	455.8	538.6	567.7	529.2	447.7	410.7
G64.0	598.1	556.4	455.0	396.8	438.2	522.8	552.2	513.6	430.1	392.0
G65.0	583.6	540.8	438.7	379.7	422.1	508.0	537.6	498.4	413.5	374.0
G66.0	568.6	525.3	421.8	361.5	405.5	493.5	523.7	484.1	397.7	356.9
G67.0	552.9	509.3	404.4	342.8	388.8	477.2	508.2	468.0	381.0	338.5
G68.0	538.1	494.4	388.1	325.1	372.7	463.0	493.9	454.0	365.1	320.9
G69.0	522.8	478.6	371.2	306.7	355.6	447.2	478.9	438.7	348.6	302.5
G70.0	507.9	463.8	355.3	289.3	340.8	433.4	464.9	424.3	333.3	285.3
G71.0	493.2	449.7	340.4	272.0	325.5	419.3	451.5	410.7	318.7	269.0
G72.0	478.1	433.5	323.6	254.2	309.7	404.4	437.1	395.9	303.1	251.3
G73.0	463.9	419.7	308.9	237.6	294.9	390.6	423.5	382.6	288.4	234.8

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 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	450.5	405.3	294.0	221.7	281.0	377.5	410.5	369.1	274.6	219.2
G75.0	435.8	390.5	277.9	203.9	265.5	363.0	396.0	355.2	259.7	201.7
G76.0	422.2	376.6	264.1	188.6	252.2	350.2	382.9	342.1	246.3	185.8
G77.0	407.4	362.5	248.9	171.5	237.4	336.0	369.5	328.5	231.8	169.7
G78.0	394.6	348.8	235.7	156.9	224.9	323.8	357.5	316.0	219.1	155.2
G79.0	381.2	336.2	222.2	142.0	212.1	311.4	345.1	304.3	206.4	140.4
G80.0	367.5	322.0	208.5	126.6	199.0	298.1	331.5	291.0	193.0	125.4
G81.0	354.6	309.2	195.9	112.4	186.9	286.7	319.9	279.7	181.9	111.2
G82.0	342.6	297.1	184.0	99.1	175.2	274.8	307.5	267.4	169.7	96.9
G83.0	329.3	284.3	170.9	84.7	163.3	262.9	295.8	256.5	158.5	84.0
G84.0	317.6	272.1	159.9	72.1	152.9	251.4	285.1	245.4	148.3	71.7
G85.0	304.4	259.4	147.5	58.6	141.7	240.0	272.8	234.0	137.3	58.3
G86.0	293.3	248.3	137.1	47.0	132.0	229.3	262.3	223.3	127.4	46.9
G87.0	281.8	237.1	126.6	35.8	122.4	219.1	251.6	213.5	118.6	35.6
G88.0	270.2	225.8	116.4	24.4	112.3	208.2	240.3	202.4	109.0	24.2
G89.0	259.2	215.3	106.8	14.7	103.6	198.4	229.9	192.9	100.2	14.9
G90.0	248.3	204.9	97.2	8.9	94.8	188.4	219.3	182.9	91.5	10.6
G91.0	236.9	193.9	87.3	7.8	87.0	178.3	209.2	173.3	83.7	9.7
G92.0	226.7	183.7	78.6	6.8	78.6	169.6	199.9	165.0	76.4	8.9
G93.0	215.6	173.2	68.3	6.0	70.6	159.8	189.7	155.2	68.9	8.2
G94.0	205.0	163.4	59.7	5.4	64.7	151.5	180.8	147.3	63.6	7.5
G95.0	194.2	154.0	53.0	5.0	58.1	143.3	172.0	139.2	58.6	7.0
G96.0	183.4	143.6	47.4	4.8	51.3	135.5	163.4	131.6	53.8	6.5
G97.0	173.9	134.8	43.2	4.9	47.6	128.9	156.1	125.6	49.4	6.1
G98.0	164.7	127.7	40.7	5.0	46.1	123.1	148.8	119.2	45.1	5.8
G99.0	155.7	121.2	37.1	5.3	43.5	116.5	142.2	113.4	42.2	5.9
G100.0	148.9	115.0	34.2	5.4	40.2	110.9	136.2	107.6	38.9	5.8
G101.0	141.8	108.6	31.0	5.6	36.6	104.1	129.4	102.0	35.4	6.1
G102.0	135.9	103.3	28.3	5.7	33.6	97.9	123.6	96.7	32.6	6.3
G103.0	129.7	97.8	25.6	5.9	30.8	91.8	117.9	91.8	30.1	6.4
G104.0	123.4	92.4	23.1	6.0	28.1	85.5	111.7	85.9	27.3	6.6
G105.0	117.6	87.2	21.3	6.2	25.7	80.4	106.5	82.0	25.1	6.8
G106.0	111.2	82.5	19.9	6.4	23.2	76.4	100.5	77.0	22.7	7.0
G107.0	105.8	77.8	18.6	6.7	21.5	72.2	95.5	72.8	20.8	7.1
G108.0	100.4	73.5	17.4	6.9	19.4	67.9	90.5	68.6	18.9	7.3
G109.0	94.8	68.9	16.0	7.1	17.4	63.2	85.1	64.2	16.9	7.5
G110.0	89.7	64.9	14.5	7.3	15.7	58.2	81.1	60.5	15.3	7.7

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 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	84.8	61.1	13.2	7.5	14.2	53.8	76.6	56.9	13.8	7.9
G112.0	80.2	57.2	12.0	7.7	12.9	49.9	72.1	53.1	12.6	8.2
G113.0	75.8	53.6	10.9	7.9	11.7	47.3	68.0	48.4	11.8	8.3
G114.0	71.3	49.9	10.1	8.1	11.3	42.6	63.9	42.6	11.7	8.5
G115.0	67.2	46.5	9.9	8.3	11.3	39.6	60.0	39.3	11.7	8.6
G116.0	63.3	42.6	10.0	8.5	11.3	36.3	56.4	36.3	11.7	8.9
G117.0	59.0	37.1	10.0	8.8	11.3	32.9	52.2	33.1	11.7	9.1
G118.0	55.4	34.0	10.2	8.9	11.2	30.2	48.8	30.6	11.7	9.3
G119.0	51.6	31.1	10.2	9.1	11.2	28.2	45.4	28.3	11.7	9.4
G120.0	47.8	28.3	10.3	9.4	11.3	26.4	42.3	25.8	11.8	9.7
G121.0	44.4	26.0	10.4	9.6	11.4	24.3	39.3	23.8	11.9	10.0
G122.0	41.3	23.6	10.6	9.8	11.4	22.3	36.0	21.7	11.9	10.2
G123.0	38.1	21.7	10.6	10.0	11.6	20.6	33.2	20.1	12.0	10.3
G124.0	35.2	20.1	10.8	10.3	11.7	19.0	30.5	18.4	12.0	10.4
G125.0	32.0	18.5	11.0	10.4	11.8	17.5	27.6	17.0	12.1	10.8
G126.0	29.3	17.1	11.1	10.7	11.8	16.2	25.2	15.7	12.3	11.0
G127.0	26.8	15.8	11.2	10.9	12.0	15.2	22.9	15.2	12.4	11.2
G128.0	24.1	14.5	11.5	11.1	12.1	14.9	20.9	15.2	12.5	11.4
G129.0	22.1	14.2	11.6	11.2	12.3	14.9	19.1	15.2	12.6	11.5
G130.0	20.0	14.2	11.7	11.4	12.6	15.0	17.3	15.1	12.8	11.8
G131.0	18.2	14.2	12.0	11.6	12.6	15.0	16.8	15.1	12.9	12.0
G132.0	16.7	14.3	12.0	11.8	12.7	15.0	16.8	15.2	13.0	12.1
G133.0	16.2	14.3	12.2	11.9	12.8	15.2	16.9	15.3	13.2	12.3
G134.0	16.2	14.5	12.3	12.2	12.9	15.2	16.9	15.4	13.3	12.5
G135.0	16.3	14.6	12.4	12.4	13.1	15.3	16.9	15.4	13.4	12.8
G136.0	16.3	14.6	12.6	12.5	13.2	15.4	16.9	15.7	13.5	12.9
G137.0	16.3	14.8	12.7	12.8	13.4	15.4	17.0	15.8	13.7	13.0
G138.0	16.4	14.9	12.8	12.9	13.5	15.6	17.0	15.8	13.8	13.3
G139.0	16.4	15.0	13.1	13.1	13.6	15.6	17.1	15.9	13.8	13.5
G140.0	16.4	15.1	13.3	13.2	13.9	15.7	17.1	16.0	14.1	13.6
G141.0	16.5	15.2	13.4	13.5	14.0	15.8	17.1	16.1	14.1	13.8
G142.0	16.6	15.3	13.7	13.6	14.2	15.9	17.2	16.3	14.4	14.1
G143.0	16.7	15.5	13.8	13.8	14.2	16.0	17.3	16.4	14.4	14.1
G144.0	16.6	15.6	13.8	14.0	14.4	16.1	17.2	16.4	14.6	14.3
G145.0	16.7	15.7	14.0	14.1	14.6	16.2	17.4	16.5	14.7	14.5
G146.0	16.7	15.8	14.2	14.3	14.7	16.3	17.4	16.6	14.9	14.6
G147.0	16.7	15.9	14.4	14.4	14.9	16.3	17.4	16.7	15.0	14.8

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 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	16.8	16.0	14.6	14.6	15.0	16.4	17.4	16.8	15.2	15.0
G149.0	16.9	16.1	14.7	14.7	15.2	16.4	17.4	16.8	15.3	15.2
G150.0	17.0	16.2	14.8	14.9	15.3	16.4	17.4	17.0	15.5	15.3
G151.0	17.0	16.2	14.9	15.1	15.4	16.6	17.5	17.0	15.6	15.5
G152.0	17.0	16.3	15.2	15.3	15.5	16.6	17.5	17.0	15.7	15.7
G153.0	17.0	16.4	15.4	15.4	15.7	16.6	17.5	17.1	15.8	15.9
G154.0	17.0	16.5	15.4	15.6	15.8	16.7	17.5	17.2	15.9	16.1
G155.0	17.1	16.5	15.6	15.8	15.9	16.9	17.5	17.2	16.0	16.2
G156.0	17.1	16.6	15.7	15.9	16.0	16.9	17.6	17.2	16.1	16.3
G157.0	17.2	16.7	15.8	16.0	16.1	16.9	17.6	17.3	16.2	16.4
G158.0	17.1	16.8	16.1	16.2	16.2	17.0	17.6	17.4	16.3	16.6
G159.0	17.2	16.8	16.1	16.3	16.3	17.1	17.5	17.4	16.4	16.7
G160.0	17.2	16.9	16.2	16.4	16.4	17.2	17.7	17.5	16.4	16.8
G161.0	17.3	17.0	16.4	16.5	16.4	17.3	17.6	17.5	16.5	17.0
G162.0	17.2	17.0	16.5	16.7	16.4	17.4	17.7	17.5	16.6	17.1
G163.0	17.3	17.1	16.6	16.7	16.5	17.3	17.7	17.6	16.7	17.3
G164.0	17.4	17.2	16.7	16.9	16.7	17.5	17.8	17.5	16.8	17.3
G165.0	17.4	17.2	16.8	17.0	16.7	17.4	17.7	17.6	16.8	17.6
G166.0	17.5	17.2	17.0	17.1	16.8	17.5	17.8	17.6	16.9	17.6
G167.0	17.5	17.3	17.0	17.2	16.9	17.5	17.8	17.6	17.0	17.9
G168.0	17.5	17.4	17.2	17.3	17.0	17.5	17.8	17.7	17.1	17.9
G169.0	17.5	17.5	17.2	17.6	17.1	17.6	17.9	17.7	17.3	18.0
G170.0	17.7	17.6	17.3	17.7	17.2	17.5	17.9	17.7	17.3	18.1
G171.0	17.7	17.7	17.4	17.8	17.3	17.5	18.0	17.7	17.4	18.2
G172.0	17.8	17.7	17.5	17.9	17.4	17.5	18.1	17.7	17.5	18.3
G173.0	17.9	17.7	17.5	18.0	17.5	17.5	18.1	17.7	17.6	18.4
G174.0	18.0	17.8	17.5	18.1	17.6	17.4	18.1	17.7	17.8	18.4
G175.0	18.1	17.9	17.7	18.2	17.9	17.5	18.1	17.8	18.0	18.5
G176.0	18.1	18.0	17.8	18.3	18.1	17.5	18.2	18.0	18.1	18.6
G177.0	18.1	17.9	17.9	18.4	18.2	17.8	18.3	18.3	18.3	18.6
G178.0	18.2	18.2	18.0	18.5	18.4	18.1	18.4	18.5	18.4	18.6
G179.0	18.3	18.3	18.1	18.5	18.5	18.3	18.6	18.6	18.4	18.6
G180.0	18.5	18.5	18.2	18.5	18.5	18.4	18.7	18.6	18.3	18.6

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 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	1206.0	1206.0	1206.0							
G1.0	1206.1	1206.1	1206.4							
G2.0	1205.5	1205.6	1206.4							
G3.0	1204.2	1205.2	1206.2							
G4.0	1202.6	1204.1	1205.5							
G5.0	1200.3	1202.8	1204.5							
G6.0	1197.5	1200.9	1203.2							
G7.0	1194.8	1198.4	1201.1							
G8.0	1190.9	1195.5	1199.3							
G9.0	1187.3	1192.4	1196.6							
G10.0	1183.0	1188.7	1194.0							
G11.0	1177.3	1184.8	1190.1							
G12.0	1172.4	1180.7	1186.2							
G13.0	1166.2	1175.9	1182.6							
G14.0	1159.7	1170.1	1178.0							
G15.0	1153.0	1165.3	1173.6							
G16.0	1145.8	1158.4	1167.6							
G17.0	1138.6	1152.5	1162.4							
G18.0	1130.3	1145.8	1156.4							
G19.0	1121.4	1138.4	1150.1							
G20.0	1112.5	1131.4	1143.8							
G21.0	1103.4	1123.4	1137.1							
G22.0	1092.9	1114.9	1129.6							
G23.0	1083.1	1106.5	1122.6							
G24.0	1072.5	1097.5	1114.2							
G25.0	1062.1	1088.6	1106.6							
G26.0	1050.4	1079.3	1098.0							
G27.0	1038.3	1068.9	1089.1							
G28.0	1027.0	1059.4	1080.7							
G29.0	1014.5	1048.8	1071.1							
G30.0	1001.2	1037.7	1061.1							
G31.0	988.5	1026.7	1051.5							
G32.0	974.7	1015.0	1040.9							
G33.0	961.2	1003.5	1030.4							
G34.0	947.2	991.8	1020.6							
G35.0	932.5	978.9	1008.7							
G36.0	918.5	967.3	998.2							

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 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	902.7	953.5	986.5							
G38.0	888.3	941.2	974.0							
G39.0	873.2	928.4	961.8							
G40.0	857.2	914.6	948.9							
G41.0	841.7	900.9	936.3							
G42.0	826.6	887.6	924.2							
G43.0	810.2	873.0	909.9							
G44.0	793.7	858.8	897.1							
G45.0	777.1	843.6	883.6							
G46.0	760.5	829.7	868.4							
G47.0	744.7	814.9	855.1							
G48.0	726.7	798.4	840.4							
G49.0	710.5	784.2	825.9							
G50.0	693.7	769.1	811.7							
G51.0	676.0	753.0	796.6							
G52.0	659.1	737.5	782.1							
G53.0	641.3	721.1	768.2							
G54.0	624.8	706.3	752.1							
G55.0	607.6	690.9	737.9							
G56.0	589.8	674.7	721.7							
G57.0	572.3	659.2	707.0							
G58.0	555.8	644.5	691.8							
G59.0	536.9	627.5	675.3							
G60.0	520.4	612.6	660.1							
G61.0	501.7	595.6	644.2							
G62.0	485.2	580.8	629.1							
G63.0	468.2	565.2	614.5							
G64.0	450.5	549.1	598.1							
G65.0	434.4	534.3	583.6							
G66.0	417.7	518.9	568.6							
G67.0	400.6	503.0	552.9							
G68.0	385.4	488.6	538.1							
G69.0	367.7	472.3	522.8							
G70.0	352.8	458.0	507.9							
G71.0	337.2	443.5	493.2							
G72.0	321.2	427.9	478.1							
G73.0	306.3	413.6	463.9							

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 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	292.2	400.2	450.5							
G75.0	276.1	384.8	435.8							
G76.0	262.7	371.7	422.2							
G77.0	247.5	357.0	407.4							
G78.0	234.5	344.3	394.6							
G79.0	221.3	331.2	381.2							
G80.0	207.6	317.6	367.5							
G81.0	195.0	304.7	354.6							
G82.0	182.3	291.8	342.6							
G83.0	170.5	280.3	329.3							
G84.0	159.4	268.3	317.6							
G85.0	147.3	255.7	304.4							
G86.0	137.2	244.9	293.3							
G87.0	127.0	233.6	281.8							
G88.0	116.6	222.4	270.2							
G89.0	107.1	211.6	259.2							
G90.0	97.1	200.5	248.3							
G91.0	87.5	190.6	236.9							
G92.0	79.1	180.1	226.7							
G93.0	69.7	168.8	215.6							
G94.0	61.5	158.3	205.0							
G95.0	55.3	148.6	194.2							
G96.0	49.5	137.8	183.4							
G97.0	44.7	128.7	173.9							
G98.0	40.8	120.9	164.7							
G99.0	37.3	114.3	155.7							
G100.0	34.4	108.7	148.9							
G101.0	31.2	102.7	141.8							
G102.0	28.6	97.7	135.9							
G103.0	25.8	92.8	129.7							
G104.0	23.4	87.9	123.4							
G105.0	21.6	83.6	117.6							
G106.0	20.4	79.1	111.2							
G107.0	19.1	75.2	105.8							
G108.0	18.0	71.7	100.4							
G109.0	16.4	67.6	94.8							
G110.0	14.9	64.1	89.7							

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 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	13.8	60.5	84.8							
G112.0	12.6	56.7	80.2							
G113.0	11.6	53.3	75.8							
G114.0	10.6	49.6	71.3							
G115.0	10.6	46.3	67.2							
G116.0	10.6	42.1	63.3							
G117.0	10.6	37.2	59.0							
G118.0	10.8	34.0	55.4							
G119.0	10.9	31.1	51.6							
G120.0	11.0	28.4	47.8							
G121.0	11.1	26.2	44.4							
G122.0	11.2	23.8	41.3							
G123.0	11.4	21.7	38.1							
G124.0	11.5	20.0	35.2							
G125.0	11.7	18.2	32.0							
G126.0	11.8	17.1	29.3							
G127.0	11.9	15.6	26.8							
G128.0	12.1	14.9	24.1							
G129.0	12.3	14.8	22.1							
G130.0	12.4	14.7	20.0							
G131.0	12.5	14.7	18.2							
G132.0	12.7	14.8	16.7							
G133.0	12.8	14.9	16.2							
G134.0	13.0	14.9	16.2							
G135.0	13.1	15.0	16.3							
G136.0	13.2	15.1	16.3							
G137.0	13.3	15.3	16.3							
G138.0	13.5	15.4	16.4							
G139.0	13.6	15.5	16.4							
G140.0	13.8	15.6	16.4							
G141.0	13.9	15.7	16.5							
G142.0	14.2	15.8	16.6							
G143.0	14.2	15.9	16.7							
G144.0	14.4	16.0	16.6							
G145.0	14.6	16.1	16.7							
G146.0	14.8	16.2	16.7							
G147.0	14.9	16.3	16.7							

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 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	15.1	16.4	16.8							
G149.0	15.2	16.5	16.9							
G150.0	15.4	16.6	17.0							
G151.0	15.5	16.6	17.0							
G152.0	15.6	16.6	17.0							
G153.0	15.8	16.7	17.0							
G154.0	15.9	16.8	17.0							
G155.0	16.1	16.9	17.1							
G156.0	16.2	16.9	17.1							
G157.0	16.4	16.9	17.2							
G158.0	16.5	17.0	17.1							
G159.0	16.6	17.2	17.2							
G160.0	16.8	17.1	17.2							
G161.0	16.9	17.2	17.3							
G162.0	17.0	17.3	17.2							
G163.0	17.1	17.5	17.3							
G164.0	17.1	17.5	17.4							
G165.0	17.3	17.5	17.4							
G166.0	17.4	17.5	17.5							
G167.0	17.5	17.6	17.5							
G168.0	17.5	17.7	17.5							
G169.0	17.6	17.8	17.5							
G170.0	17.7	17.9	17.7							
G171.0	17.8	17.9	17.7							
G172.0	17.8	17.9	17.8							
G173.0	17.9	17.9	17.9							
G174.0	17.9	18.0	18.0							
G175.0	18.0	18.1	18.1							
G176.0	18.2	18.1	18.1							
G177.0	18.2	18.1	18.1							
G178.0	18.3	18.4	18.2							
G179.0	18.5	18.4	18.3							
G180.0	18.5	18.5	18.5							

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: