

Report No.:

Test Time: 2023-07-07 13:13

Luminaire Property

Luminaire Manufacturer:

Lamp Catalog: LED

Luminous Width (mm): 100

Voltage: 120.0 V

Power: 24.20 W

Luminous Length (mm): 600

Luminous Height (mm): 30

Current: 0.205 A

Power Factor: 0.985

Photometric Results

CIE Class: Direct

Measurement Flux: 3283.3 lm

Downward Ratio: 93%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 208.7, 163.1, 189.5, 189.6

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 127.4, 106.7, 116.1, 116.4

Luminaire Efficacy Rating (LER): 135.72

Max. Intensity: 968.54 cd

S/MH(C0/C180): 1.30

Total Rated Lamp Lumens: 3283.3 lm

Efficiency: 100%

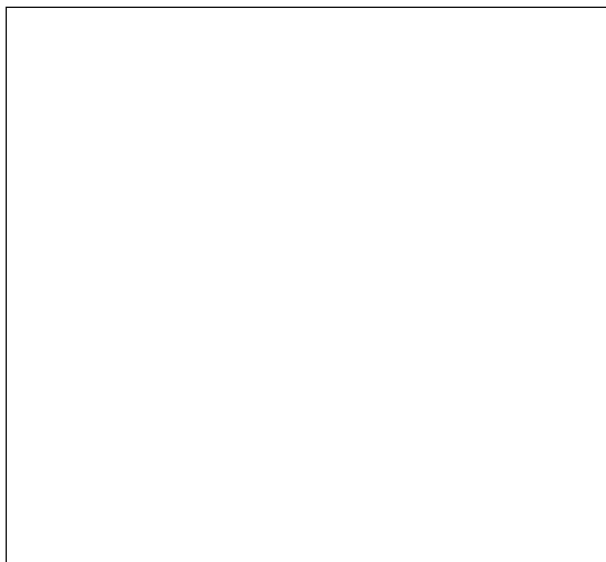
Upward Ratio: 7%

Central Intensity: 968.16 cd

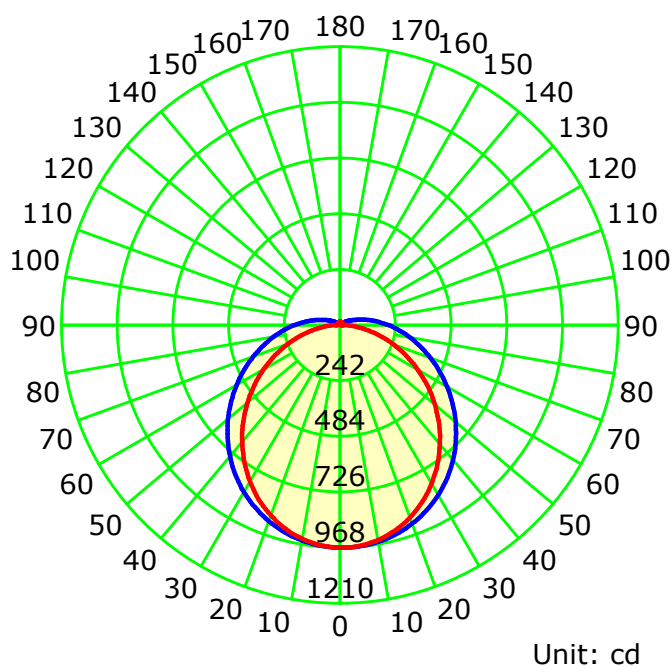
Pos of Max. Intensity: H0 V2

S/MH(C90/C270): 1.22

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

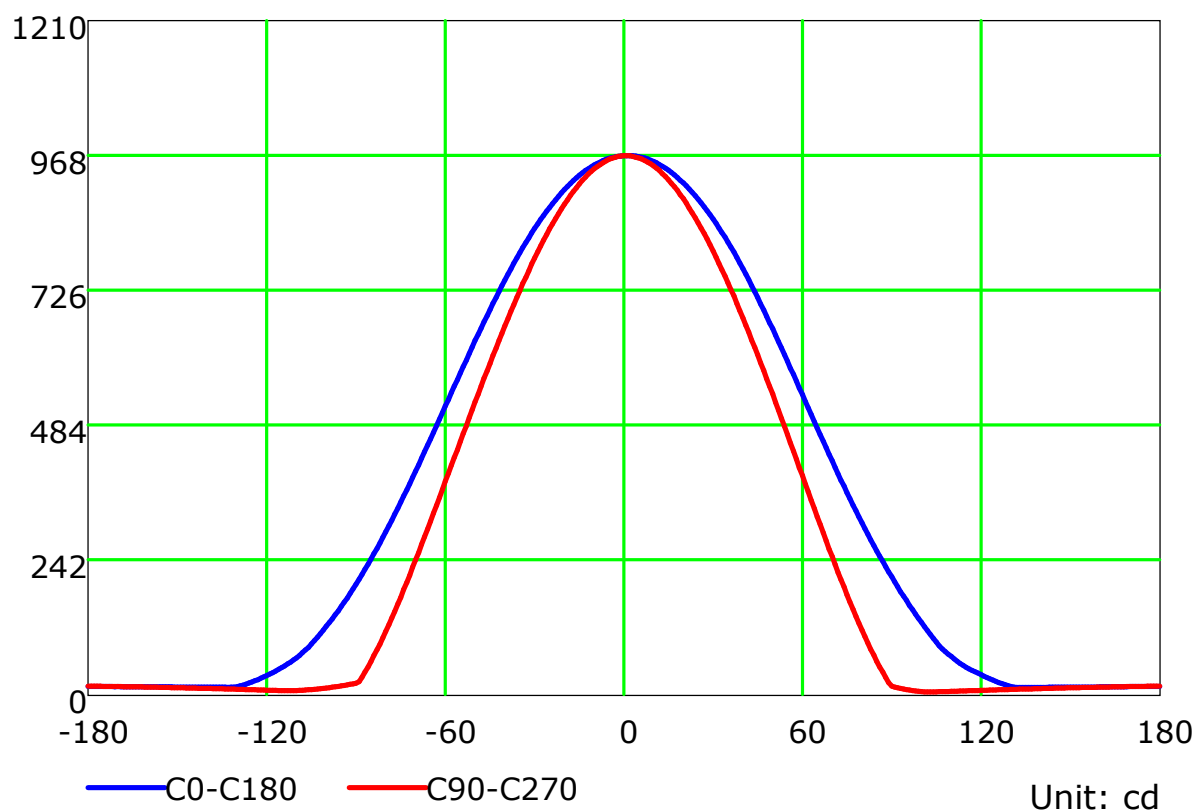
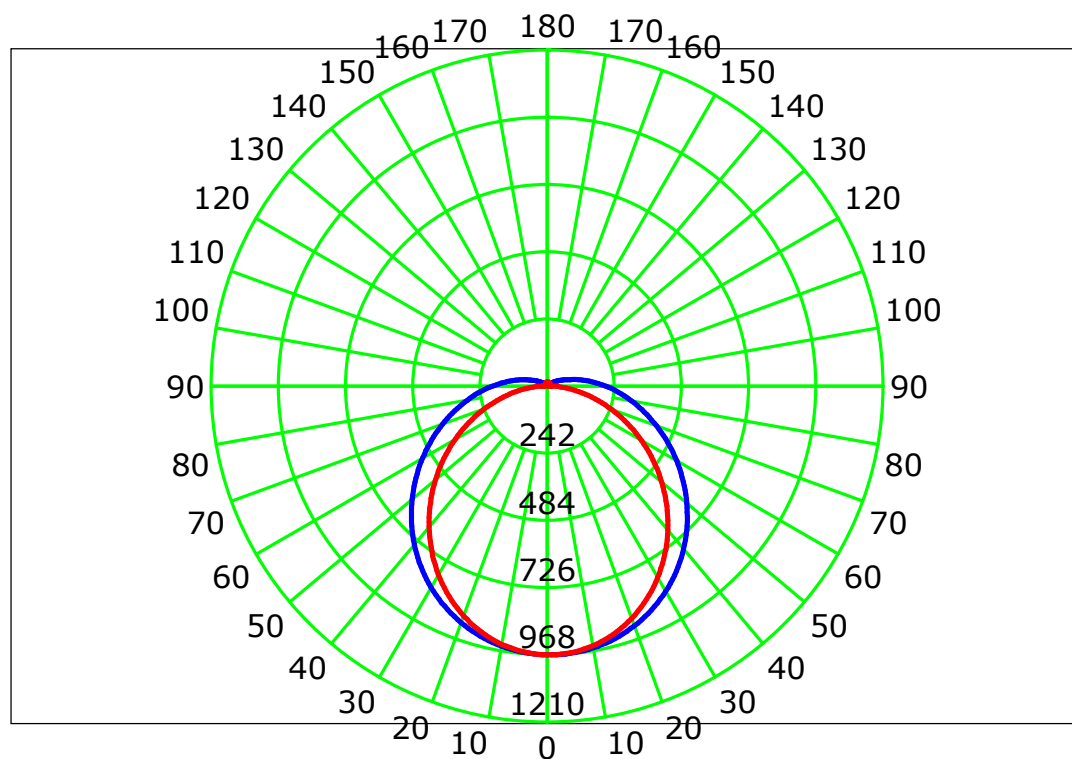
Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

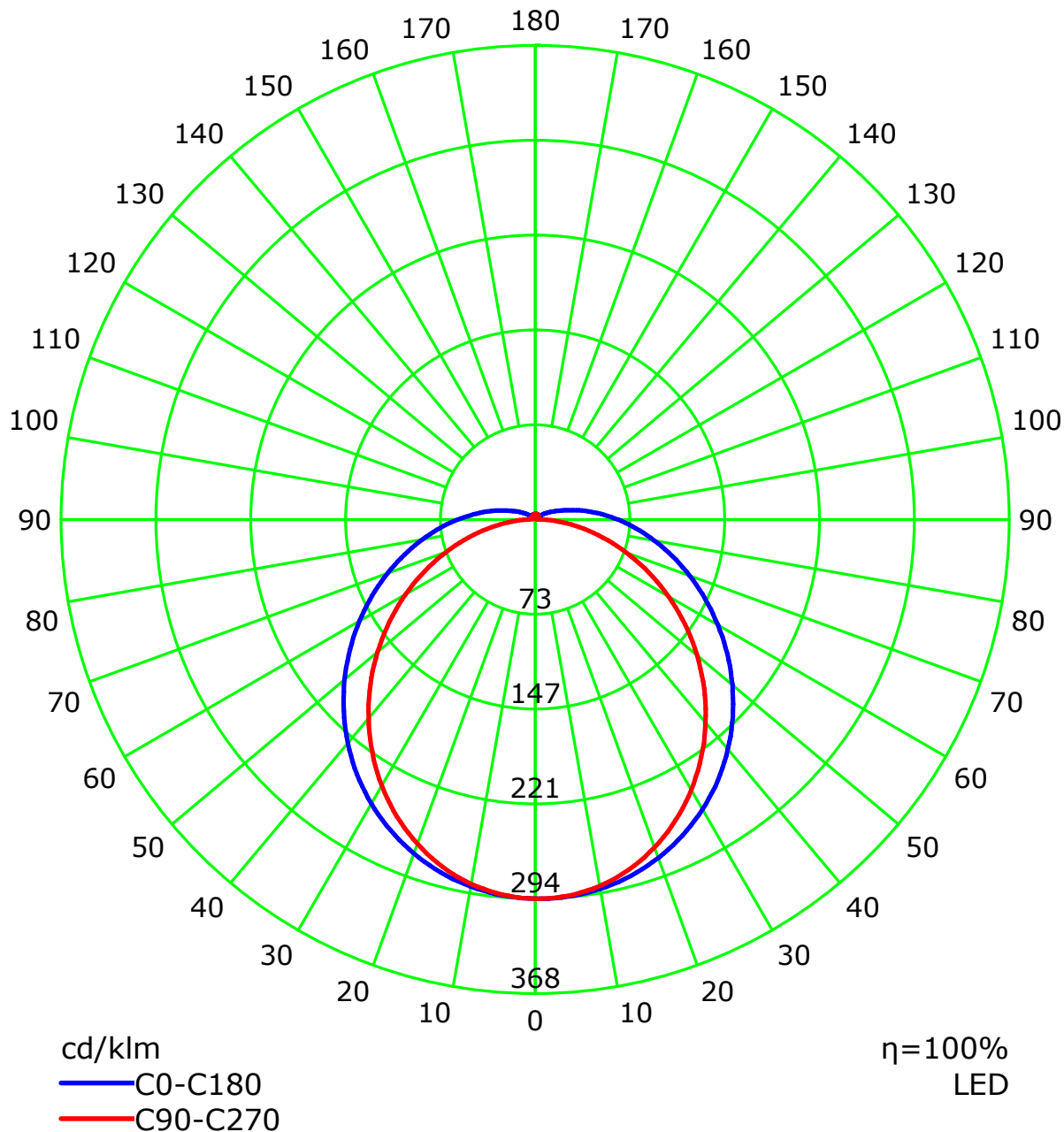
Luminous Intensity Distribution Curve



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:

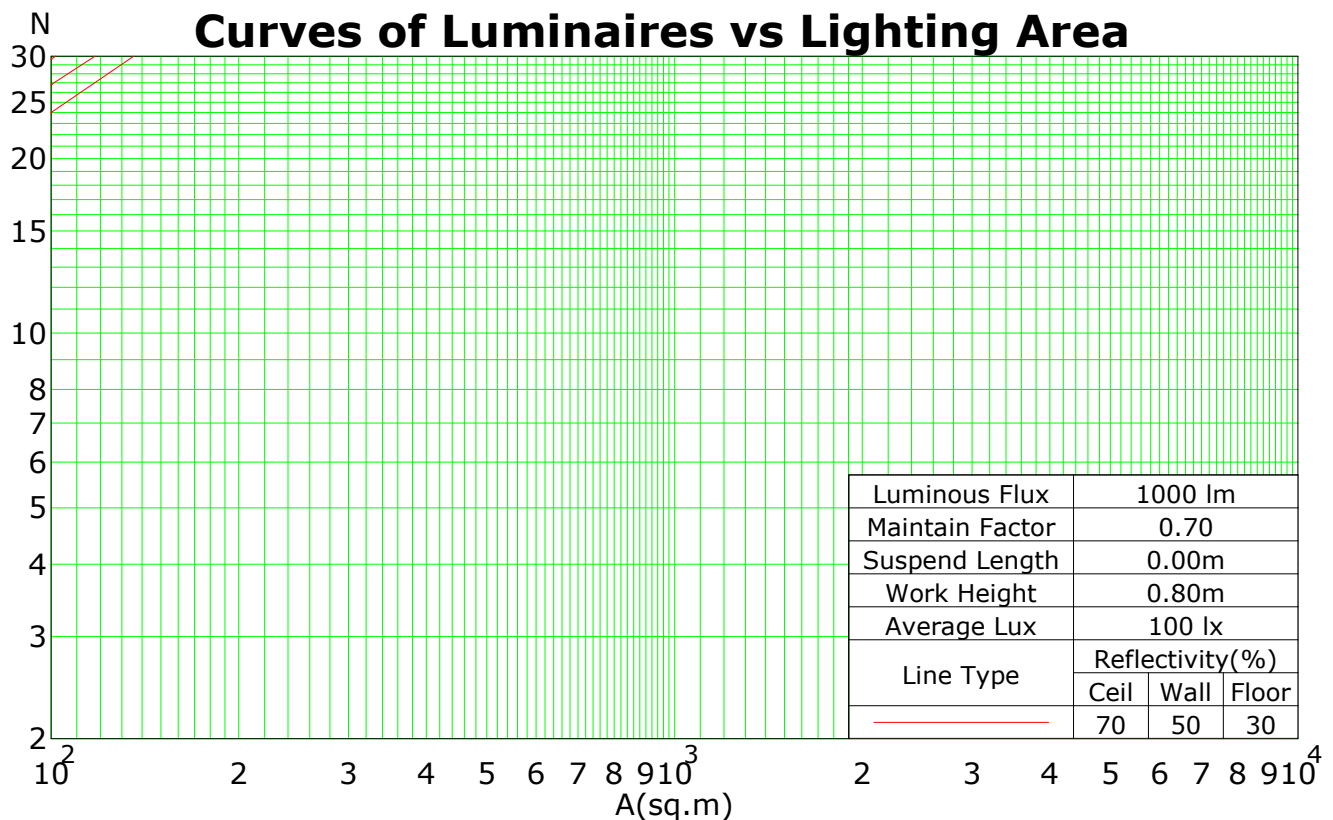
Coefficients Of Utilization - Zonal Cavity Method

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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	105	100	95	90	102	97	92	88	91	88	84	86	83	80	81	79	77	74
2	95	86	79	72	92	84	77	71	79	73	68	75	70	66	71	67	63	61
3	86	75	66	59	83	73	65	58	69	62	56	65	60	55	62	57	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	52	46	55	50	45	43
5	72	59	50	43	70	57	49	42	55	47	41	52	45	40	49	44	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	28
8	58	44	35	29	56	43	34	29	41	33	28	39	32	28	37	31	27	25
9	54	40	32	26	52	39	31	26	38	30	25	36	30	25	35	29	24	22
10	50	37	29	24	49	36	29	23	35	28	23	33	27	23	32	26	22	20

Spacing Criteria (0-180): 1.30

Spacing Criteria (90-270): 1.22

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

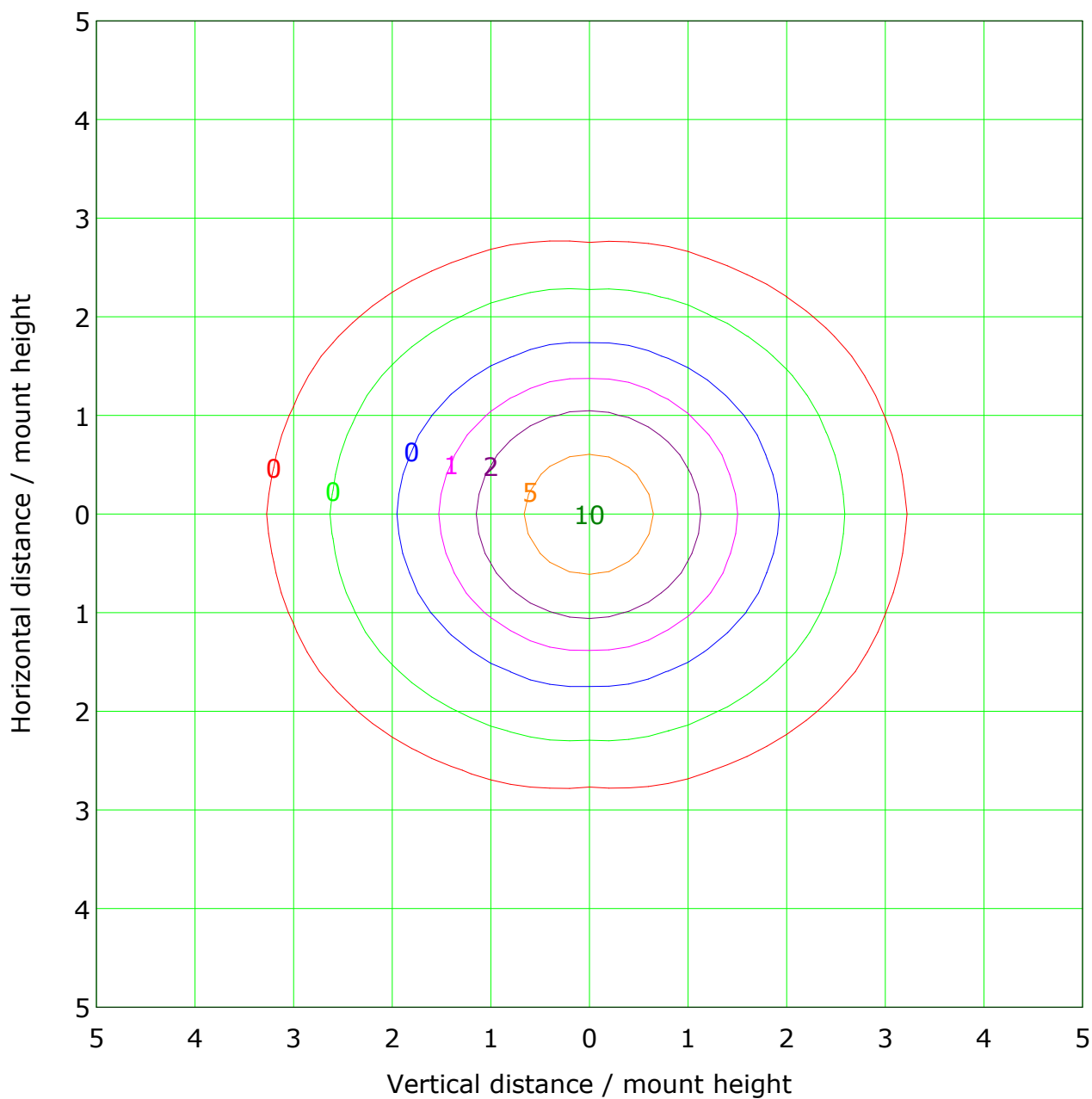
Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 9.7 lx

(1%): 0.1 lx	(2%): 0.2 lx
(5%): 0.5 lx	(10%): 1.0 lx
(20%): 1.9 lx	(50%): 4.8 lx
(100%): 9.7 lx	

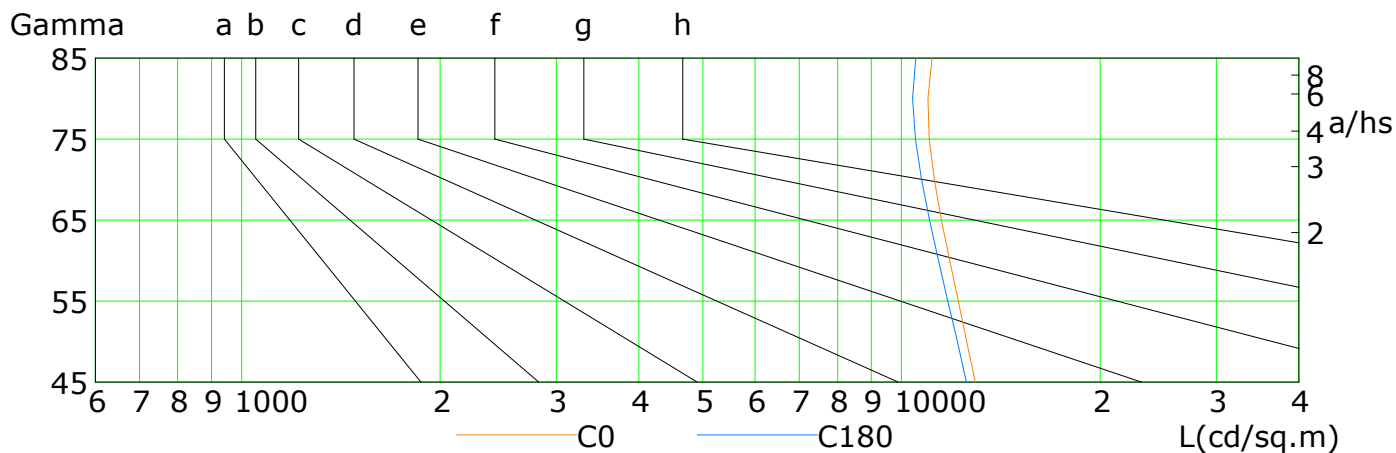
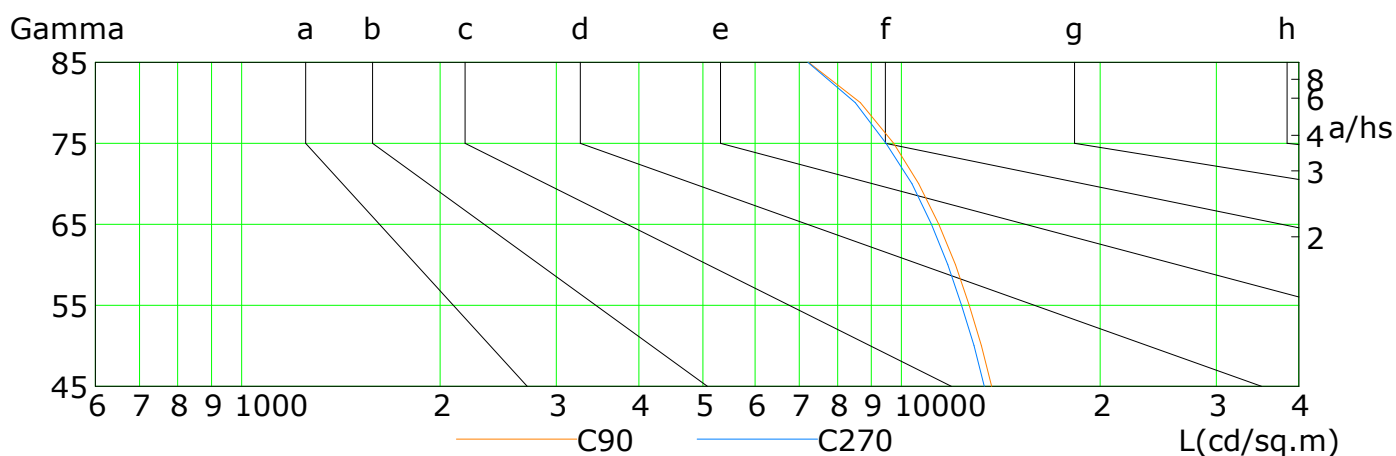
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature: 25
Operator:

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	12939	12561	12191	11833	11496	11216	11011	10970	11131
C90	13699	13218	12672	12073	11388	10621	9733	8662	7228
C180	12539	12153	11756	11375	11025	10721	10501	10396	10515
C270	13357	12875	12334	11755	11102	10368	9476	8509	7212

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

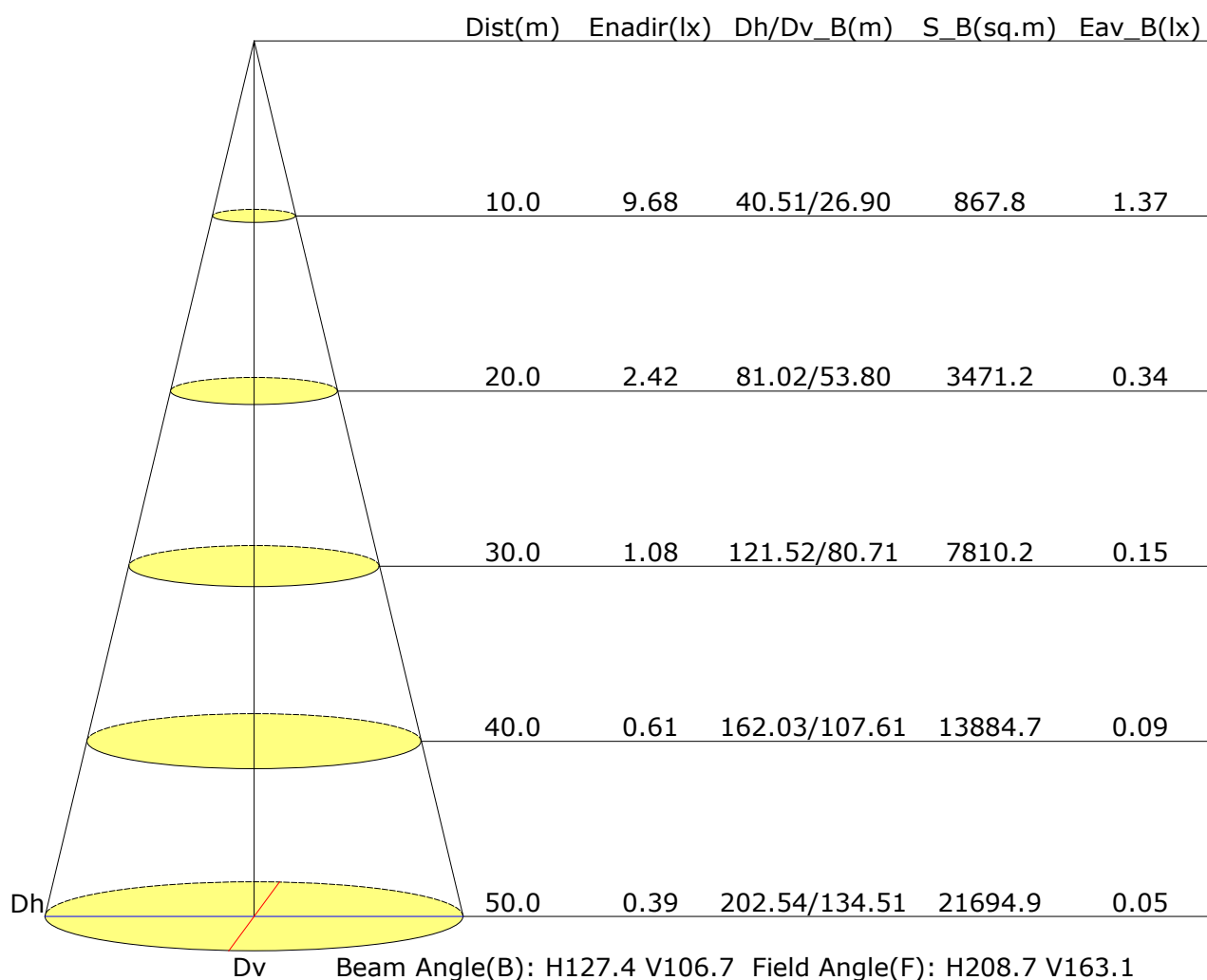
Test Device: GPM-1600L

Distance: 9.010 m

Humidity:

Inspector:

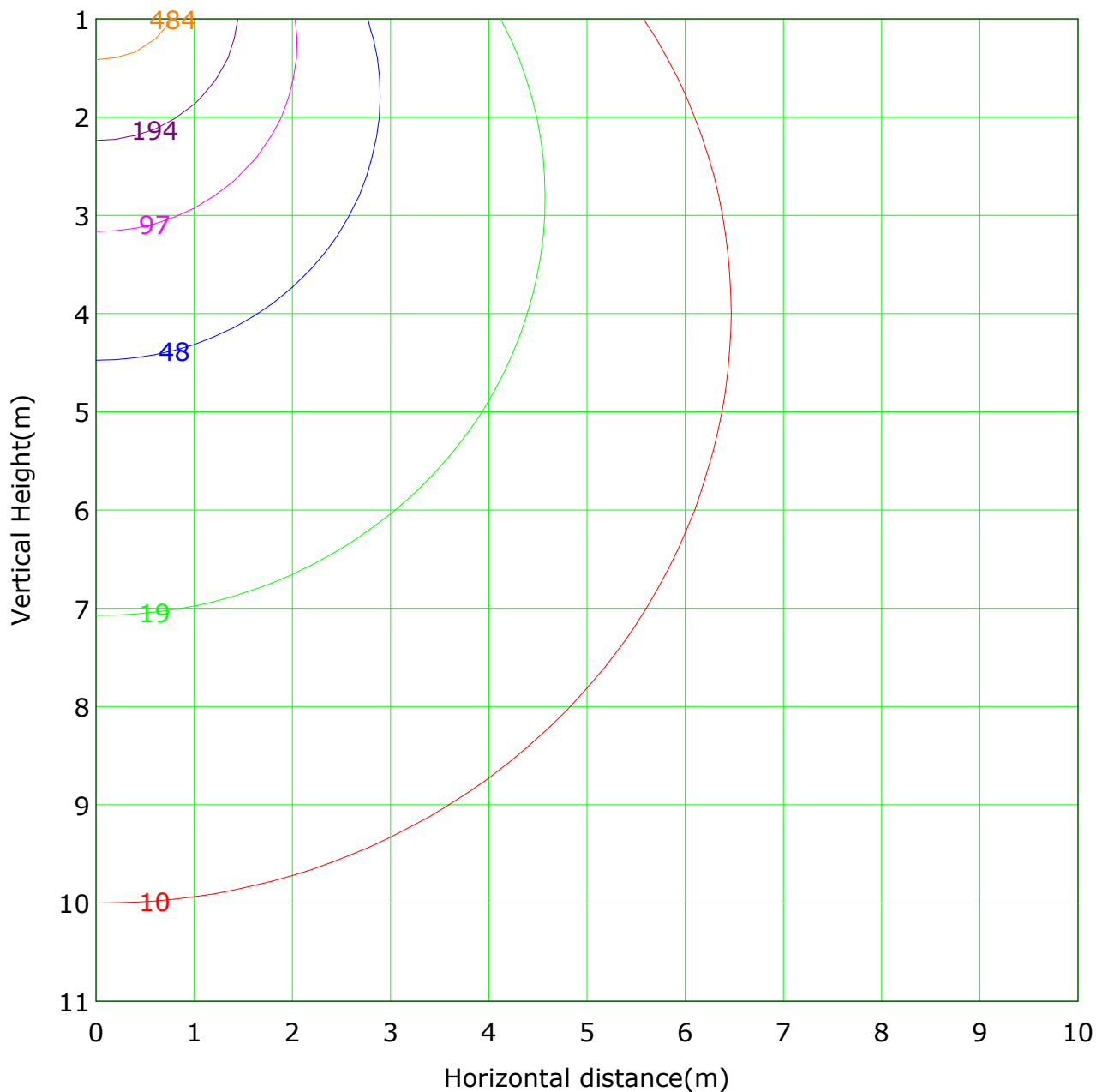
Illuminance at a Distance



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: 968.2 lx

(1%): 9.7 lx	(2%): 19.4 lx
(5%): 48.4 lx	(10%): 96.8 lx
(20%): 193.6 lx	(50%): 484.1 lx
(100%): 968.2 lx	

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

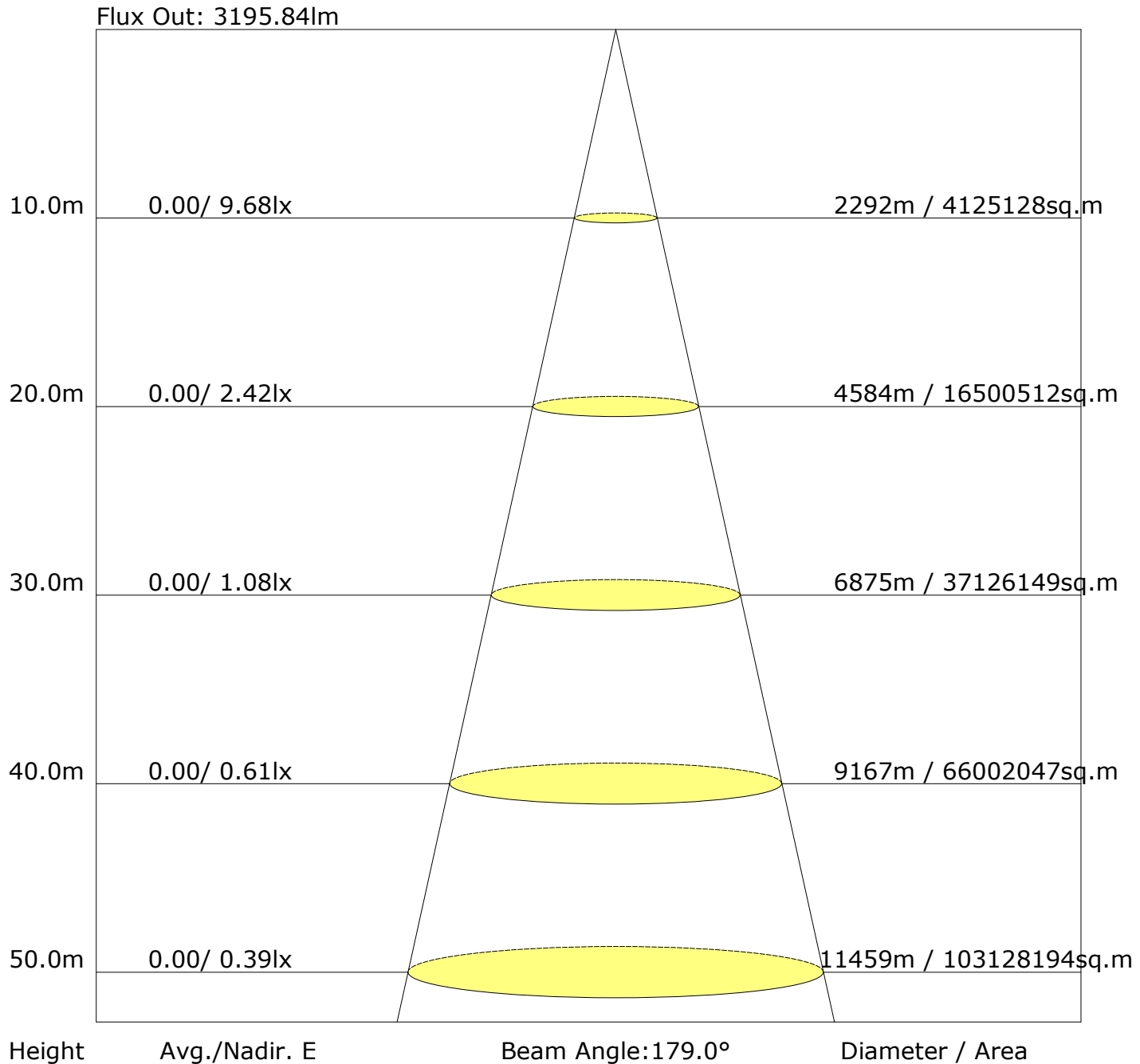
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 9.010 m
Humidity:
Inspector:

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	ϕ_0	$\Gamma_{\text{flux}}(\text{E})$	$\Gamma_{\text{flux}}(\text{E})$
Vertical plane	-90	0.5	1.5	2.4	3.1	3.3	3.3	3.1	2.7	2.2	2.2	2.8	3.3	3.5	3.5	3.5	3.3	2.6	1.6	0.6	45.5	39.1	
	-80	0.5	1.7	2.9	4.0	4.8	5.3	5.6	5.7	5.6	5.6	5.9	5.8	5.5	5.0	4.2	3.1	1.8	0.6	73.6	73.6		
	-70	0.6	1.9	3.4	5.1	6.5	7.7	8.6	9.4	9.6	9.6	9.5	8.9	7.9	6.8	5.3	3.6	2.0	0.6	106.9	106.9		
	-60	0.6	2.1	4.0	6.2	8.3	10.3	11.9	13.3	13.9	13.9	13.4	12.2	10.6	8.6	6.4	4.2	2.2	0.6	142.6	142.6		
	-50	0.6	2.3	4.5	7.2	10.1	12.9	15.2	17.1	18.1	18.1	17.3	15.5	13.2	10.5	7.5	4.7	2.4	0.7	177.9	177.9		
	-40	0.6	2.4	5.0	8.2	11.8	15.3	18.3	20.7	21.9	22.0	20.9	18.7	15.7	12.1	8.5	5.2	2.6	0.7	210.5	210.5		
	-30	0.7	2.6	5.4	9.0	13.1	17.3	21.0	23.7	25.2	25.3	23.9	21.3	17.7	13.5	9.3	5.6	2.7	0.7	238.1	238.1		
	-20	0.7	2.7	5.7	9.6	14.1	18.7	22.9	25.9	27.6	27.7	26.2	23.2	19.2	14.5	10.0	5.9	2.8	0.7	258.1	258.1		
	-10	0.7	2.8	5.9	10.0	14.7	19.6	23.9	27.1	28.9	29.0	27.4	24.3	20.0	15.2	10.4	6.1	2.9	0.7	269.5	269.5		
	0	0.7	2.8	5.9	10.0	14.8	19.6	23.9	27.2	29.0	29.1	27.5	24.3	20.1	15.2	10.4	6.2	2.9	0.7	270.2	270.2		
10	0.7	2.7	5.7	9.7	14.2	18.9	23.1	26.1	27.8	27.9	26.4	23.4	19.3	14.6	10.0	6.0	2.8	0.7	260.2	260.2			
20	0.7	2.6	5.4	9.1	13.3	17.6	21.3	24.0	25.6	25.6	24.2	21.6	17.9	13.7	9.4	5.7	2.7	0.7	241.1	241.1			
30	0.6	2.5	5.0	8.3	12.0	15.6	18.7	21.1	22.4	22.4	21.3	19.0	15.9	12.3	8.6	5.2	2.6	0.7	214.2	214.2			
40	0.6	2.3	4.6	7.4	10.4	13.2	15.6	17.5	18.5	18.5	17.7	15.9	13.5	10.6	7.6	4.8	2.4	0.7	181.7	181.7			
50	0.6	2.1	4.1	6.3	8.5	10.5	12.3	13.6	14.2	14.3	13.8	12.5	10.8	8.7	6.5	4.2	2.2	0.6	145.9	145.9			
60	0.6	1.9	3.5	5.2	6.7	7.9	8.9	9.6	9.9	9.9	9.7	9.0	8.1	6.8	5.4	3.7	2.0	0.6	109.4	109.4			
70	0.5	1.7	3.0	4.1	4.9	5.4	5.8	5.9	5.7	5.7	6.0	5.9	5.6	5.1	4.3	3.1	1.8	0.6	75.2	75.2			
80	0.5	1.5	2.4	3.1	3.4	3.4	3.2	2.8	2.2	2.2	2.8	3.2	3.5	3.6	3.3	2.6	1.6	0.6	46.0	39.8			
90	11.1	40.0	78.9	125.6	174.9	222.4	263.1	293.5	308.1	309.3	296.8	267.9	228.0	180.5	130.4	82.5	42.1	11.8	3067				
Flux(T)	11.1	40.0	78.9	125.6	174.9	222.3	261.7	291.2	305.4	306.6	294.5	266.8	228.0	180.5	130.4	82.5	42.1	11.8					
Flux(E)	11.1	40.0	78.9	125.6	174.9	222.3	261.7	291.2	305.4	306.6	294.5	266.8	228.0	180.5	130.4	82.5	42.1	11.8					
-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	ϕ_0	$\Gamma_{\text{flux}}(\text{E})$	$\Gamma_{\text{flux}}(\text{E})$		

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

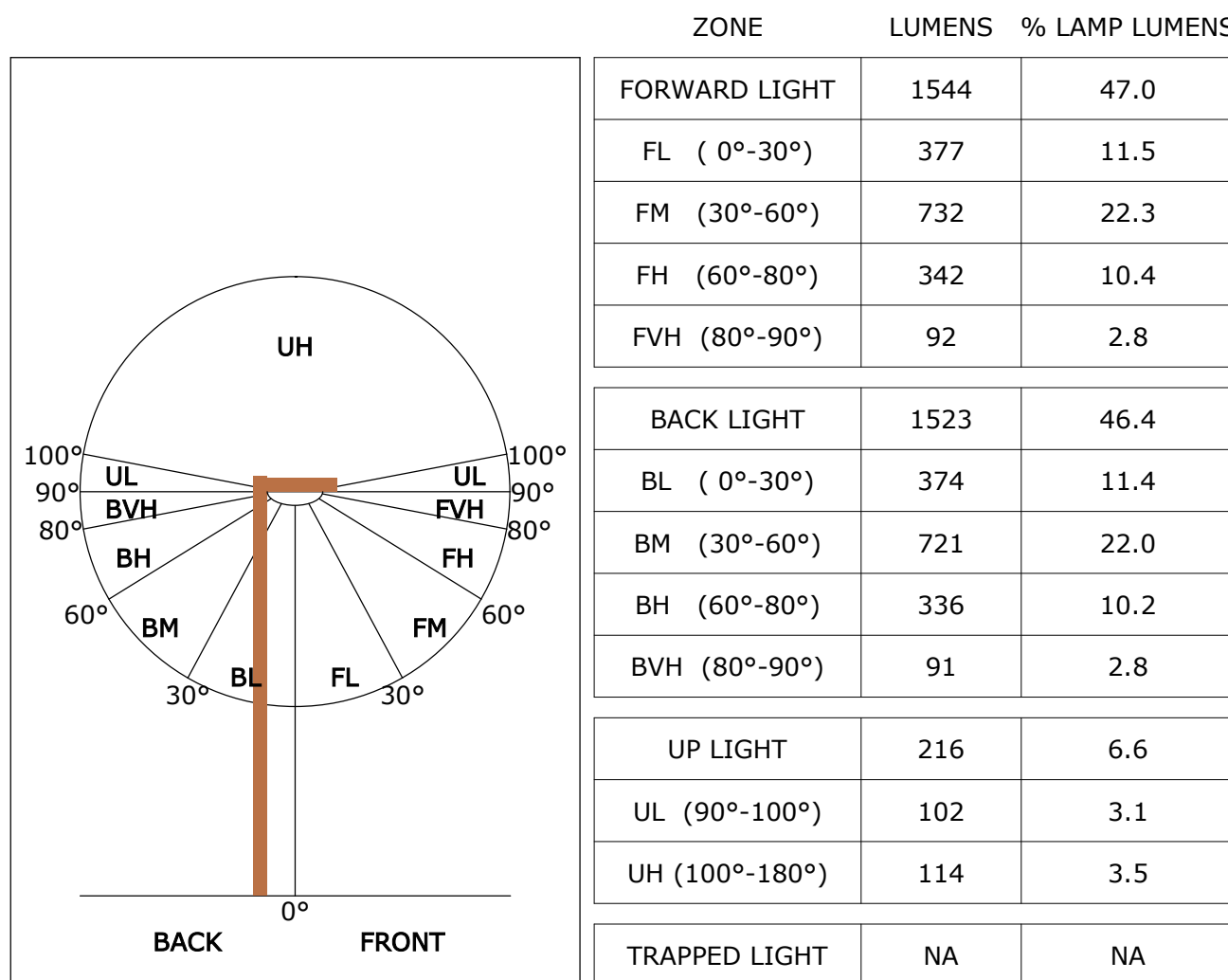
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	21.0	22.4	21.4	22.7	23.1	20.3	21.7	20.7	22.1	22.4
3H	22.9	24.2	23.3	24.5	25.0	21.8	23.1	22.3	23.5	23.9
4H	23.8	25.0	24.3	25.4	25.9	22.5	23.6	22.9	24.0	24.5
6H	24.7	25.8	25.2	26.3	26.7	22.9	24.1	23.4	24.5	24.9
8H	25.1	26.2	25.6	26.7	27.1	23.1	24.2	23.6	24.6	25.1
12H	25.6	26.6	26.0	27.0	27.5	23.2	24.3	23.7	24.7	25.2
X=4H Y=2H	21.6	22.8	22.0	23.2	23.6	21.1	22.2	21.5	22.6	23.1
3H	23.7	24.7	24.2	25.2	25.7	22.8	23.8	23.2	24.2	24.7
4H	24.8	25.7	25.3	26.2	26.7	23.5	24.4	24.0	24.9	25.4
6H	25.9	26.7	26.4	27.2	27.8	24.2	25.0	24.7	25.5	26.0
8H	26.4	27.2	26.9	27.7	28.2	24.4	25.2	24.9	25.7	26.3
12H	26.9	27.6	27.5	28.1	28.7	24.6	25.3	25.2	25.8	26.4
X=8H Y=4H	25.1	25.9	25.6	26.4	27.0	24.0	24.8	24.5	25.3	25.8
6H	26.4	27.0	27.0	27.6	28.2	24.8	25.5	25.4	26.0	26.6
8H	27.1	27.6	27.7	28.2	28.8	25.2	25.8	25.8	26.3	27.0
12H	27.7	28.2	28.3	28.8	29.5	25.5	26.0	26.1	26.6	27.2
X=12H Y=4H	25.1	25.8	25.7	26.4	26.9	24.1	24.8	24.6	25.3	25.9
6H	26.5	27.0	27.1	27.6	28.2	25.0	25.6	25.6	26.1	26.8
8H	27.2	27.7	27.8	28.3	28.9	25.5	26.0	26.1	26.5	27.2
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/-0.8				

Calculate in accordance with CIE Pub.117. The table is revised with 3283lm ($8\log(F/F_0) = 4.1$).

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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	968.0	0.9	0.9	0.03	0.03
1.0-2.0	967.7	2.8	3.7	0.08	0.11
2.0-3.0	966.9	4.6	8.3	0.14	0.25
3.0-4.0	965.8	6.5	14.8	0.20	0.45
4.0-5.0	964.5	8.3	23.1	0.25	0.70
5.0-6.0	962.8	10.1	33.2	0.31	1.01
6.0-7.0	960.8	11.9	45.1	0.36	1.37
7.0-8.0	958.3	13.7	58.9	0.42	1.79
8.0-9.0	955.5	15.5	74.3	0.47	2.26
9.0-10.0	952.4	17.2	91.6	0.53	2.79
10.0-11.0	948.9	19.0	110.5	0.58	3.37
11.0-12.0	945.1	20.7	131.2	0.63	4.00
12.0-13.0	941.1	22.3	153.5	0.68	4.68
13.0-14.0	936.5	24.0	177.5	0.73	5.41
14.0-15.0	931.7	25.6	203.1	0.78	6.19
15.0-16.0	926.5	27.2	230.3	0.83	7.01
16.0-17.0	921.0	28.7	258.9	0.87	7.89
17.0-18.0	915.4	30.2	289.1	0.92	8.81
18.0-19.0	909.3	31.6	320.8	0.96	9.77
19.0-20.0	902.8	33.0	353.8	1.01	10.78
20.0-21.0	896.3	34.4	388.2	1.05	11.82
21.0-22.0	889.2	35.7	424.0	1.09	12.91
22.0-23.0	881.9	37.0	461.0	1.13	14.04
23.0-24.0	874.2	38.2	499.2	1.16	15.20
24.0-25.0	866.2	39.4	538.6	1.20	16.40
25.0-26.0	858.4	40.5	579.1	1.23	17.64
26.0-27.0	849.8	41.6	620.7	1.27	18.90
27.0-28.0	841.0	42.6	663.3	1.30	20.20
28.0-29.0	832.3	43.6	706.8	1.33	21.53
29.0-30.0	823.0	44.4	751.3	1.35	22.88
30.0-31.0	813.5	45.3	796.6	1.38	24.26
31.0-32.0	803.7	46.0	842.6	1.40	25.66
32.0-33.0	793.5	46.8	889.4	1.42	27.09
33.0-34.0	783.7	47.4	936.8	1.44	28.53
34.0-35.0	773.2	48.0	984.8	1.46	29.99
35.0-36.0	762.4	48.6	1033.4	1.48	31.47

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 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	751.7	49.0	1082.4	1.49	32.97
37.0-38.0	740.6	49.4	1131.9	1.51	34.47
38.0-39.0	729.4	49.8	1181.6	1.52	35.99
39.0-40.0	717.9	50.1	1231.7	1.53	37.51
40.0-41.0	706.1	50.3	1282.0	1.53	39.05
41.0-42.0	694.8	50.5	1332.5	1.54	40.58
42.0-43.0	682.8	50.6	1383.1	1.54	42.12
43.0-44.0	670.6	50.6	1433.7	1.54	43.67
44.0-45.0	658.5	50.6	1484.3	1.54	45.21
45.0-46.0	646.2	50.5	1534.9	1.54	46.75
46.0-47.0	633.8	50.4	1585.3	1.54	48.28
47.0-48.0	621.0	50.2	1635.5	1.53	49.81
48.0-49.0	608.3	50.0	1685.4	1.52	51.33
49.0-50.0	595.9	49.7	1735.1	1.51	52.85
50.0-51.0	583.0	49.3	1784.5	1.50	54.35
51.0-52.0	570.0	48.9	1833.4	1.49	55.84
52.0-53.0	557.3	48.5	1881.9	1.48	57.32
53.0-54.0	544.2	48.0	1929.8	1.46	58.78
54.0-55.0	531.3	47.4	1977.3	1.44	60.22
55.0-56.0	518.2	46.8	2024.1	1.43	61.65
56.0-57.0	505.0	46.2	2070.3	1.41	63.05
57.0-58.0	492.2	45.5	2115.8	1.39	64.44
58.0-59.0	479.0	44.8	2160.6	1.36	65.80
59.0-60.0	465.7	44.0	2204.6	1.34	67.15
60.0-61.0	452.5	43.2	2247.8	1.32	68.46
61.0-62.0	439.3	42.3	2290.1	1.29	69.75
62.0-63.0	426.8	41.5	2331.6	1.26	71.01
63.0-64.0	413.6	40.6	2372.2	1.24	72.25
64.0-65.0	400.6	39.6	2411.9	1.21	73.46
65.0-66.0	388.1	38.7	2450.6	1.18	74.64
66.0-67.0	375.3	37.7	2488.3	1.15	75.79
67.0-68.0	362.6	36.7	2525.1	1.12	76.91
68.0-69.0	349.9	35.7	2560.8	1.09	77.99
69.0-70.0	337.4	34.7	2595.4	1.06	79.05
70.0-71.0	325.5	33.6	2629.1	1.02	80.07
71.0-72.0	313.2	32.6	2661.6	0.99	81.07

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	301.1	31.5	2693.1	0.96	82.02
73.0-74.0	289.7	30.5	2723.6	0.93	82.95
74.0-75.0	277.8	29.4	2752.9	0.89	83.85
75.0-76.0	266.2	28.3	2781.2	0.86	84.71
76.0-77.0	254.7	27.2	2808.4	0.83	85.53
77.0-78.0	243.4	26.1	2834.4	0.79	86.33
78.0-79.0	232.9	25.0	2859.4	0.76	87.09
79.0-80.0	222.2	24.0	2883.4	0.73	87.82
80.0-81.0	211.6	22.9	2906.3	0.70	88.52
81.0-82.0	201.4	21.8	2928.1	0.67	89.18
82.0-83.0	191.3	20.8	2948.9	0.63	89.82
83.0-84.0	181.7	19.8	2968.7	0.60	90.42
84.0-85.0	172.0	18.8	2987.5	0.57	90.99
85.0-86.0	162.6	17.8	3005.3	0.54	91.53
86.0-87.0	153.8	16.8	3022.1	0.51	92.04
87.0-88.0	144.8	15.9	3038.0	0.48	92.53
88.0-89.0	136.1	14.9	3052.9	0.45	92.98
89.0-90.0	128.0	14.0	3066.9	0.43	93.41
90.0-91.0	120.8	13.2	3080.2	0.40	93.81
91.0-92.0	114.4	12.5	3092.7	0.38	94.20
92.0-93.0	108.0	11.8	3104.6	0.36	94.56
93.0-94.0	101.7	11.1	3115.7	0.34	94.89
94.0-95.0	95.9	10.5	3126.2	0.32	95.21
95.0-96.0	90.0	9.8	3136.0	0.30	95.51
96.0-97.0	84.2	9.2	3145.2	0.28	95.79
97.0-98.0	78.9	8.6	3153.7	0.26	96.05
98.0-99.0	73.6	8.0	3161.7	0.24	96.30
99.0-100.0	68.8	7.4	3169.2	0.23	96.52
100.0-101.0	64.1	6.9	3176.1	0.21	96.73
101.0-102.0	59.7	6.4	3182.5	0.20	96.93
102.0-103.0	55.6	6.0	3188.5	0.18	97.11
103.0-104.0	51.6	5.5	3193.9	0.17	97.28
104.0-105.0	47.8	5.1	3199.0	0.15	97.43
105.0-106.0	44.3	4.7	3203.7	0.14	97.58
106.0-107.0	41.1	4.3	3208.0	0.13	97.71
107.0-108.0	38.4	4.0	3212.0	0.12	97.83

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	36.0	3.7	3215.8	0.11	97.94
109.0-110.0	33.7	3.5	3219.3	0.11	98.05
110.0-111.0	31.5	3.2	3222.5	0.10	98.15
111.0-112.0	29.4	3.0	3225.5	0.09	98.24
112.0-113.0	27.5	2.8	3228.3	0.08	98.32
113.0-114.0	25.8	2.6	3230.9	0.08	98.40
114.0-115.0	24.1	2.4	3233.3	0.07	98.48
115.0-116.0	22.7	2.2	3235.5	0.07	98.55
116.0-117.0	21.4	2.1	3237.6	0.06	98.61
117.0-118.0	20.1	2.0	3239.6	0.06	98.67
118.0-119.0	18.9	1.8	3241.4	0.06	98.72
119.0-120.0	17.8	1.7	3243.1	0.05	98.78
120.0-121.0	16.7	1.6	3244.7	0.05	98.82
121.0-122.0	15.8	1.5	3246.2	0.04	98.87
122.0-123.0	14.9	1.4	3247.6	0.04	98.91
123.0-124.0	14.1	1.3	3248.9	0.04	98.95
124.0-125.0	13.4	1.2	3250.1	0.04	98.99
125.0-126.0	12.7	1.1	3251.2	0.03	99.02
126.0-127.0	12.2	1.1	3252.3	0.03	99.05
127.0-128.0	11.8	1.0	3253.3	0.03	99.09
128.0-129.0	11.5	1.0	3254.3	0.03	99.12
129.0-130.0	11.3	1.0	3255.2	0.03	99.15
130.0-131.0	11.2	0.9	3256.2	0.03	99.17
131.0-132.0	11.1	0.9	3257.1	0.03	99.20
132.0-133.0	11.2	0.9	3258.0	0.03	99.23
133.0-134.0	11.3	0.9	3258.9	0.03	99.26
134.0-135.0	11.4	0.9	3259.8	0.03	99.28
135.0-136.0	11.5	0.9	3260.7	0.03	99.31
136.0-137.0	11.6	0.9	3261.5	0.03	99.34
137.0-138.0	11.7	0.9	3262.4	0.03	99.36
138.0-139.0	11.8	0.9	3263.3	0.03	99.39
139.0-140.0	11.8	0.8	3264.1	0.03	99.42
140.0-141.0	11.9	0.8	3264.9	0.03	99.44
141.0-142.0	12.0	0.8	3265.7	0.02	99.47
142.0-143.0	12.1	0.8	3266.6	0.02	99.49
143.0-144.0	12.2	0.8	3267.4	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	12.3	0.8	3268.1	0.02	99.54
145.0-146.0	12.4	0.8	3268.9	0.02	99.56
146.0-147.0	12.5	0.8	3269.7	0.02	99.58
147.0-148.0	12.6	0.7	3270.4	0.02	99.61
148.0-149.0	12.7	0.7	3271.1	0.02	99.63
149.0-150.0	12.8	0.7	3271.9	0.02	99.65
150.0-151.0	12.9	0.7	3272.5	0.02	99.67
151.0-152.0	13.0	0.7	3273.2	0.02	99.69
152.0-153.0	13.1	0.7	3273.9	0.02	99.71
153.0-154.0	13.2	0.6	3274.5	0.02	99.73
154.0-155.0	13.2	0.6	3275.2	0.02	99.75
155.0-156.0	13.3	0.6	3275.8	0.02	99.77
156.0-157.0	13.4	0.6	3276.3	0.02	99.79
157.0-158.0	13.5	0.6	3276.9	0.02	99.81
158.0-159.0	13.5	0.5	3277.5	0.02	99.82
159.0-160.0	13.6	0.5	3278.0	0.02	99.84
160.0-161.0	13.6	0.5	3278.5	0.02	99.85
161.0-162.0	13.7	0.5	3279.0	0.01	99.87
162.0-163.0	13.8	0.5	3279.4	0.01	99.88
163.0-164.0	13.9	0.4	3279.8	0.01	99.89
164.0-165.0	13.9	0.4	3280.3	0.01	99.91
165.0-166.0	14.0	0.4	3280.6	0.01	99.92
166.0-167.0	14.0	0.4	3281.0	0.01	99.93
167.0-168.0	14.1	0.3	3281.3	0.01	99.94
168.0-169.0	14.1	0.3	3281.6	0.01	99.95
169.0-170.0	14.2	0.3	3281.9	0.01	99.96
170.0-171.0	14.3	0.3	3282.2	0.01	99.97
171.0-172.0	14.4	0.2	3282.4	0.01	99.97
172.0-173.0	14.4	0.2	3282.6	0.01	99.98
173.0-174.0	14.5	0.2	3282.8	0.01	99.98
174.0-175.0	14.5	0.2	3283.0	0.00	99.99
175.0-176.0	14.6	0.1	3283.1	0.00	99.99
176.0-177.0	14.7	0.1	3283.2	0.00	100.00
177.0-178.0	14.8	0.1	3283.2	0.00	100.00
178.0-179.0	14.9	0.0	3283.3	0.00	100.00
179.0-180.0	15.0	0.0	3283.3	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	968.2	968.2	968.2	968.2	968.2	968.2	968.2	968.2	968.2	968.2
G1.0	968.2	968.3	968.3	968.3	968.1	967.5	967.9	967.7	967.3	967.9
G2.0	968.5	968.4	967.9	968.1	966.9	967.5	967.3	966.7	966.6	967.0
G3.0	968.2	967.6	967.2	967.2	966.1	966.3	966.2	965.3	964.8	965.6
G4.0	967.5	967.3	966.2	965.6	965.0	965.1	965.0	964.1	963.1	963.5
G5.0	966.4	966.3	965.0	964.4	963.6	963.8	963.5	962.0	961.1	961.8
G6.0	965.2	965.0	963.1	962.5	961.8	961.7	961.7	960.0	958.6	959.1
G7.0	964.1	963.4	961.4	959.8	959.5	959.7	959.4	957.5	955.8	955.8
G8.0	962.2	961.7	958.7	956.7	956.6	957.5	956.8	954.7	952.3	952.1
G9.0	960.1	959.2	955.6	953.6	953.2	954.4	954.4	951.8	949.0	948.7
G10.0	957.7	956.5	952.6	950.0	949.9	951.4	951.4	948.6	944.8	944.9
G11.0	955.4	953.9	948.7	945.9	945.8	947.9	948.3	944.7	940.4	939.9
G12.0	952.1	950.6	944.5	941.6	941.6	944.5	944.6	941.2	935.8	935.2
G13.0	949.5	946.8	940.5	936.2	937.0	940.7	941.6	936.8	930.9	929.8
G14.0	946.0	943.0	935.4	930.7	931.7	936.3	937.2	932.1	925.2	923.8
G15.0	942.2	939.0	930.2	925.4	926.5	932.0	933.0	927.8	919.8	917.6
G16.0	938.2	934.5	924.8	918.8	920.0	926.8	928.3	922.1	913.1	910.7
G17.0	933.8	930.0	919.1	912.4	914.3	921.9	923.1	916.8	906.8	904.0
G18.0	929.1	925.3	913.4	906.2	908.2	916.6	918.3	911.1	900.2	897.1
G19.0	924.1	919.8	906.1	898.2	901.4	910.3	912.8	904.6	892.6	888.9
G20.0	919.3	914.0	899.7	891.1	894.8	904.6	907.3	898.5	885.5	881.0
G21.0	914.3	908.6	892.8	883.4	887.4	898.3	901.5	892.4	877.8	873.0
G22.0	908.2	902.1	884.8	874.2	879.1	891.6	895.1	885.0	869.5	864.2
G23.0	902.9	895.7	877.3	866.1	871.1	885.0	888.9	878.1	861.7	855.6
G24.0	896.3	889.0	868.5	856.5	862.0	877.2	881.9	870.4	852.1	845.8
G25.0	890.1	881.8	860.4	847.6	854.1	870.2	875.2	863.2	843.8	836.9
G26.0	883.5	874.7	851.9	838.2	845.3	862.9	868.8	855.0	834.8	827.0
G27.0	876.4	866.5	842.5	828.3	835.5	854.5	860.7	846.5	824.5	816.2
G28.0	869.3	859.2	833.3	818.6	826.5	846.3	853.6	838.1	815.2	806.1
G29.0	862.2	851.3	823.8	808.1	817.0	838.5	845.8	829.8	805.2	795.5
G30.0	854.6	842.0	813.9	797.1	806.6	829.7	837.5	820.7	794.6	784.4
G31.0	846.8	834.0	803.8	786.1	796.7	821.1	829.6	811.6	784.6	773.6
G32.0	838.1	824.3	792.9	774.5	785.3	811.4	820.4	802.2	772.5	761.4
G33.0	830.1	815.9	782.2	763.7	774.7	802.4	812.2	792.8	761.7	750.0
G34.0	822.2	806.4	771.9	752.1	764.2	793.1	803.4	783.0	750.8	738.8
G35.0	813.0	797.0	760.4	739.7	751.9	782.9	793.9	772.9	738.2	725.6
G36.0	804.2	787.2	748.9	727.8	741.2	773.3	784.8	763.2	727.3	713.9

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 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	795.0	777.9	737.4	716.4	729.4	763.3	774.9	751.9	714.5	700.5
G38.0	785.2	767.0	725.5	702.4	717.3	752.6	764.9	742.0	703.2	688.6
G39.0	775.7	757.3	713.7	689.8	705.1	742.5	755.3	731.6	691.3	675.8
G40.0	765.1	745.7	700.8	676.4	692.6	731.5	744.6	720.2	678.0	662.1
G41.0	755.2	735.4	688.7	663.5	680.5	720.5	734.6	709.2	666.3	649.1
G42.0	745.7	724.6	676.6	651.2	668.6	709.8	724.4	698.3	653.5	636.5
G43.0	734.6	712.9	663.6	637.0	654.8	697.8	713.5	686.5	640.0	622.8
G44.0	723.7	701.8	651.0	623.8	642.9	687.1	703.1	675.0	628.0	609.2
G45.0	713.6	690.8	638.2	610.3	630.0	676.1	691.6	663.2	614.1	595.0
G46.0	702.2	678.6	624.4	596.0	616.4	663.9	680.9	651.8	601.7	581.9
G47.0	691.1	667.6	611.6	582.0	602.9	652.0	669.6	640.2	588.6	568.3
G48.0	679.3	654.3	597.5	567.3	589.4	640.0	658.0	627.4	574.8	553.9
G49.0	668.3	642.9	584.3	554.1	576.3	628.1	647.5	616.1	561.7	540.0
G50.0	657.7	631.0	571.7	540.2	563.8	615.9	636.3	604.0	549.2	526.1
G51.0	645.4	618.6	556.9	524.7	549.1	603.5	624.4	591.3	534.3	511.4
G52.0	634.1	606.0	544.1	511.0	536.5	591.2	613.0	579.7	521.8	498.0
G53.0	623.1	594.8	530.6	496.8	523.2	579.7	600.9	566.6	507.9	482.6
G54.0	610.3	581.5	516.5	481.7	508.9	566.7	589.2	555.0	494.3	468.9
G55.0	599.3	569.9	502.9	467.3	495.4	555.2	577.9	542.7	481.5	454.8
G56.0	586.3	556.6	488.9	452.2	481.3	542.2	565.4	530.1	467.1	439.9
G57.0	575.3	544.2	475.3	437.7	467.6	530.6	554.2	518.0	454.3	425.7
G58.0	563.4	532.1	461.5	423.2	453.9	518.4	542.6	506.6	440.8	412.3
G59.0	550.5	519.1	446.6	407.3	439.3	505.2	530.3	493.5	426.7	397.5
G60.0	539.4	506.9	433.4	393.6	426.3	493.0	518.6	481.7	413.3	383.2
G61.0	526.3	493.4	418.7	378.0	411.6	480.3	506.2	468.5	399.5	368.3
G62.0	514.9	481.7	405.7	364.1	398.6	468.4	495.0	456.9	386.2	354.1
G63.0	503.4	469.5	392.0	349.4	385.3	456.9	483.1	445.3	373.4	340.5
G64.0	490.5	456.8	377.0	334.2	371.2	443.6	470.8	432.5	359.7	325.6
G65.0	479.0	445.0	364.3	319.7	358.0	432.0	459.4	421.1	346.9	311.7
G66.0	467.3	433.2	350.9	306.2	344.6	420.1	448.4	409.2	334.6	297.7
G67.0	455.1	420.2	337.1	290.7	331.2	407.5	436.3	396.9	320.7	283.1
G68.0	443.5	408.9	324.2	276.5	318.3	395.9	424.8	385.3	308.7	270.0
G69.0	431.4	396.0	310.8	261.5	305.3	383.9	412.8	373.2	295.5	255.0
G70.0	419.9	384.5	298.3	247.9	292.8	372.3	401.4	362.3	283.5	242.0
G71.0	408.3	373.0	286.2	234.0	281.0	360.8	390.5	351.2	271.5	229.1
G72.0	396.4	360.4	272.7	219.5	267.8	349.0	378.9	339.5	259.1	214.4
G73.0	385.3	349.5	261.0	206.7	256.1	337.7	367.8	328.4	247.7	201.3

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:

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	374.5	338.8	249.2	193.4	244.6	327.3	356.9	318.1	236.3	189.0
G75.0	362.4	326.7	236.8	179.4	232.3	315.8	345.7	306.1	224.5	174.6
G76.0	352.0	316.1	225.2	166.3	221.0	305.0	334.8	296.2	213.5	162.8
G77.0	340.4	304.4	213.4	153.2	209.0	293.4	324.0	284.8	201.7	149.3
G78.0	330.2	293.9	202.4	140.6	198.5	282.9	313.3	275.0	191.7	137.6
G79.0	319.6	283.9	192.2	128.5	188.1	273.1	303.5	264.8	181.2	125.9
G80.0	308.8	272.7	180.7	115.8	177.3	262.7	292.6	254.4	170.9	113.8
G81.0	298.3	262.9	170.7	104.1	167.5	252.7	282.9	244.7	161.6	102.3
G82.0	288.3	252.8	161.2	93.2	158.1	242.8	272.2	234.8	151.5	90.7
G83.0	277.9	242.7	150.8	81.2	147.7	232.7	262.7	225.5	142.9	80.7
G84.0	268.0	233.0	142.2	70.8	139.1	223.8	253.3	216.5	134.0	70.2
G85.0	257.8	222.8	132.5	59.4	129.6	213.2	243.5	206.7	124.9	59.3
G86.0	248.8	213.9	124.4	49.8	121.6	203.7	234.2	198.4	117.3	50.0
G87.0	239.5	205.3	116.2	40.3	113.3	193.2	225.2	189.7	109.3	40.6
G88.0	229.7	195.7	107.8	30.6	104.0	182.4	215.9	180.9	101.6	31.3
G89.0	220.8	187.2	100.1	21.8	95.4	173.4	207.5	172.6	94.6	23.4
G90.0	211.8	178.5	92.9	15.3	87.3	164.0	198.1	164.4	86.7	20.2
G91.0	202.5	170.1	86.3	13.5	80.0	156.5	190.3	156.4	81.0	19.3
G92.0	194.2	161.6	78.6	12.4	74.0	149.9	182.2	149.1	74.6	18.4
G93.0	185.0	153.3	71.3	11.1	67.6	142.1	173.4	141.1	68.4	17.4
G94.0	176.7	145.4	65.0	10.2	62.1	135.2	165.8	134.2	62.7	16.6
G95.0	169.2	138.0	58.7	9.1	56.4	128.7	158.5	127.2	57.4	15.8
G96.0	160.3	129.7	52.3	8.2	50.7	121.8	150.4	120.0	51.9	14.9
G97.0	152.9	122.4	46.4	7.4	45.6	115.5	143.4	113.5	47.3	14.1
G98.0	144.9	115.5	41.2	6.7	41.1	109.2	135.8	106.7	42.9	13.3
G99.0	137.1	108.2	35.6	6.0	35.9	102.9	129.4	100.6	38.5	12.6
G100.0	129.8	101.4	31.9	5.6	32.2	96.8	122.6	94.6	35.1	11.9
G101.0	122.0	94.4	28.3	5.2	28.5	90.8	115.8	88.5	31.8	11.3
G102.0	115.0	87.8	24.7	5.0	25.8	85.4	109.6	83.1	29.1	10.6
G103.0	108.5	81.8	21.3	4.8	23.2	80.1	103.5	77.8	26.5	10.1
G104.0	101.2	75.3	18.6	5.0	21.2	74.3	97.1	72.1	24.0	9.6
G105.0	94.7	69.8	16.9	5.1	19.0	69.2	91.3	67.6	21.7	9.1
G106.0	87.8	64.7	15.4	5.3	17.2	63.4	85.1	62.5	19.7	8.7
G107.0	82.2	60.8	14.1	5.5	15.8	57.6	80.3	58.6	17.7	8.3
G108.0	77.2	57.2	12.9	5.6	14.6	54.1	75.4	54.8	16.1	7.9
G109.0	72.6	53.4	11.9	5.7	13.3	51.9	70.2	51.5	14.2	7.7
G110.0	68.5	50.3	10.8	6.0	12.1	49.3	66.1	48.3	12.7	7.4

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	64.4	47.1	10.1	6.0	11.1	46.4	62.3	45.3	11.4	7.3
G112.0	60.2	43.8	9.2	6.2	10.0	43.4	58.5	42.7	10.4	7.2
G113.0	56.3	41.3	8.5	6.4	9.0	41.1	55.2	39.6	9.6	7.0
G114.0	52.5	38.3	8.1	6.5	8.3	38.1	51.6	35.8	9.5	7.0
G115.0	49.3	35.5	8.2	6.7	8.3	33.9	48.6	31.6	9.6	7.2
G116.0	46.4	32.9	8.3	6.9	8.4	30.8	45.5	29.0	9.6	7.4
G117.0	43.2	30.4	8.3	7.1	8.5	28.1	42.3	26.5	9.6	7.6
G118.0	41.3	26.3	8.5	7.3	8.5	25.5	39.7	24.4	9.6	7.7
G119.0	38.5	23.9	8.6	7.4	8.5	23.2	36.9	22.6	9.7	7.8
G120.0	35.7	21.7	8.6	7.7	8.6	21.1	34.2	20.7	9.7	8.0
G121.0	33.2	19.7	8.7	7.8	8.8	19.1	31.8	18.9	9.8	8.2
G122.0	30.6	17.8	8.8	8.0	8.9	17.3	29.4	17.4	9.9	8.3
G123.0	28.3	16.3	8.9	8.2	9.0	16.0	27.0	16.0	9.9	8.4
G124.0	26.1	15.0	8.9	8.3	9.2	14.8	24.8	14.7	10.0	8.7
G125.0	23.7	13.9	9.0	8.4	9.3	13.7	22.5	13.7	10.0	8.9
G126.0	21.6	12.7	9.2	8.7	9.4	12.7	20.9	12.6	10.1	9.0
G127.0	19.9	11.8	9.3	8.8	9.6	11.8	18.8	12.1	10.2	9.1
G128.0	18.0	11.4	9.5	9.0	9.7	11.5	17.1	12.0	10.3	9.4
G129.0	16.3	11.3	9.5	9.2	9.8	11.5	15.7	12.0	10.4	9.5
G130.0	14.8	11.4	9.7	9.4	9.9	11.6	14.2	12.0	10.4	9.7
G131.0	13.5	11.4	9.8	9.5	10.1	11.7	13.4	12.1	10.6	9.9
G132.0	12.9	11.4	9.9	9.7	10.1	11.7	13.3	12.1	10.7	10.0
G133.0	12.8	11.5	9.9	9.8	10.3	11.8	13.2	12.2	10.8	10.2
G134.0	12.9	11.6	10.1	10.0	10.3	11.9	13.3	12.3	10.9	10.3
G135.0	12.9	11.7	10.3	10.1	10.4	12.0	13.4	12.4	11.0	10.5
G136.0	13.0	11.8	10.4	10.2	10.6	12.1	13.4	12.5	11.0	10.6
G137.0	13.0	11.9	10.5	10.3	10.7	12.3	13.4	12.6	11.2	10.7
G138.0	13.1	12.0	10.5	10.6	10.7	12.2	13.5	12.7	11.3	10.8
G139.0	13.2	12.1	10.8	10.6	10.9	12.2	13.6	12.7	11.4	11.0
G140.0	13.2	12.1	10.9	10.8	11.0	11.9	13.6	12.7	11.4	11.1
G141.0	13.2	12.1	11.0	10.9	11.1	12.2	13.7	12.8	11.6	11.2
G142.0	13.2	12.3	11.1	11.1	11.1	12.2	13.8	13.0	11.7	11.4
G143.0	13.3	12.4	11.2	11.2	11.3	12.4	13.7	13.0	11.7	11.4
G144.0	13.4	12.5	11.3	11.3	11.4	12.6	13.8	13.1	11.8	11.6
G145.0	13.4	12.6	11.6	11.5	11.5	12.8	13.8	13.2	12.0	11.8
G146.0	13.5	12.7	11.6	11.7	11.6	12.9	13.8	13.3	12.2	11.9
G147.0	13.5	12.7	11.7	11.8	11.8	13.0	13.8	13.3	12.2	12.0

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 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	13.6	12.9	11.9	11.9	11.9	13.1	13.8	13.4	12.4	12.1
G149.0	13.6	13.0	12.0	12.1	12.0	13.1	13.8	13.5	12.5	12.3
G150.0	13.7	13.0	12.1	12.2	12.1	13.2	13.8	13.6	12.5	12.4
G151.0	13.8	13.1	12.3	12.3	12.2	13.2	13.8	13.6	12.6	12.6
G152.0	13.8	13.1	12.4	12.5	12.3	13.5	13.9	13.6	12.8	12.6
G153.0	13.8	13.3	12.6	12.6	12.4	13.5	13.8	13.7	12.8	12.8
G154.0	13.8	13.3	12.7	12.7	12.5	13.5	14.0	13.8	12.9	12.9
G155.0	13.8	13.3	12.8	12.8	12.7	13.5	13.9	13.9	13.0	13.0
G156.0	13.8	13.3	12.9	12.9	12.8	13.5	14.0	13.9	13.1	13.2
G157.0	13.8	13.5	13.0	13.1	12.8	13.6	14.0	13.9	13.3	13.3
G158.0	13.8	13.6	13.2	13.2	12.9	13.7	14.1	13.9	13.2	13.4
G159.0	13.8	13.6	13.3	13.3	13.0	13.7	14.1	13.9	13.3	13.5
G160.0	13.8	13.7	13.4	13.4	13.0	13.8	14.1	13.9	13.4	13.6
G161.0	13.8	13.7	13.4	13.5	13.1	13.8	14.1	13.9	13.4	13.6
G162.0	14.0	13.9	13.4	13.6	13.1	13.9	14.2	13.9	13.5	13.8
G163.0	14.0	13.9	13.7	13.7	13.2	14.0	14.2	13.9	13.6	13.9
G164.0	14.0	14.0	13.7	13.8	13.4	14.1	14.3	13.9	13.6	14.1
G165.0	14.1	13.9	14.0	14.1	13.3	14.1	14.2	14.1	13.8	14.1
G166.0	14.2	13.9	14.0	14.1	13.4	14.1	14.3	14.1	13.8	14.1
G167.0	14.3	13.9	14.0	14.1	13.5	14.1	14.3	14.2	14.0	14.2
G168.0	14.3	14.2	14.0	14.1	13.6	14.1	14.3	14.2	14.0	14.3
G169.0	14.3	14.1	14.0	14.4	13.6	14.1	14.3	14.2	14.0	14.5
G170.0	14.4	14.3	14.1	14.5	13.8	14.1	14.4	14.2	14.0	14.5
G171.0	14.5	14.3	14.3	14.6	13.7	14.1	14.3	14.2	14.0	14.8
G172.0	14.6	14.4	14.3	14.8	13.9	14.1	14.5	14.3	14.2	14.7
G173.0	14.6	14.5	14.4	14.7	13.9	14.1	14.4	14.2	14.3	14.8
G174.0	14.6	14.6	14.5	14.8	14.2	14.1	14.5	14.2	14.4	14.9
G175.0	14.7	14.6	14.6	14.9	14.4	14.1	14.4	14.5	14.5	14.9
G176.0	14.8	14.7	14.7	15.0	14.6	14.2	14.5	14.5	14.7	15.0
G177.0	14.8	14.7	14.9	15.0	14.6	14.5	14.6	14.7	14.9	15.1
G178.0	14.8	14.9	14.9	15.0	14.7	14.7	14.8	14.9	14.9	15.1
G179.0	14.8	15.0	15.0	15.1	14.8	14.8	14.9	15.1	15.1	15.1
G180.0	14.9	15.0	15.0	15.1	14.8	15.0	14.9	15.1	15.1	15.2

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 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	968.2	968.2	968.2							
G1.0	967.8	967.6	968.2							
G2.0	967.2	967.1	968.5							
G3.0	965.6	966.6	968.2							
G4.0	964.2	965.6	967.5							
G5.0	962.6	964.6	966.4							
G6.0	960.7	963.2	965.2							
G7.0	958.0	961.1	964.1							
G8.0	954.9	958.6	962.2							
G9.0	951.8	956.3	960.1							
G10.0	947.8	953.6	957.7							
G11.0	943.4	949.8	955.4							
G12.0	939.5	946.6	952.1							
G13.0	935.0	943.0	949.5							
G14.0	929.4	938.4	946.0							
G15.0	924.0	934.5	942.2							
G16.0	917.8	929.9	938.2							
G17.0	911.8	925.1	933.8							
G18.0	905.6	920.2	929.1							
G19.0	898.5	914.4	924.1							
G20.0	891.6	908.6	919.3							
G21.0	884.1	902.5	914.3							
G22.0	875.8	895.8	908.2							
G23.0	868.1	889.4	902.9							
G24.0	858.8	881.8	896.3							
G25.0	850.8	874.9	890.1							
G26.0	842.2	867.6	883.5							
G27.0	832.1	859.3	876.4							
G28.0	823.3	851.6	869.3							
G29.0	813.5	843.3	862.2							
G30.0	802.4	834.7	854.6							
G31.0	792.7	826.3	846.8							
G32.0	781.5	816.7	838.1							
G33.0	770.8	807.7	830.1							
G34.0	760.5	798.2	822.2							
G35.0	748.0	787.8	813.0							
G36.0	737.0	778.5	804.2							

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	724.8	768.2	795.0							
G38.0	713.0	757.8	785.2							
G39.0	701.4	748.1	775.7							
G40.0	688.2	736.4	765.1							
G41.0	676.6	726.3	755.2							
G42.0	664.1	715.1	745.7							
G43.0	651.0	703.8	734.6							
G44.0	638.1	693.0	723.7							
G45.0	624.7	680.5	713.6							
G46.0	612.4	669.5	702.2							
G47.0	599.1	657.9	691.1							
G48.0	585.7	645.2	679.3							
G49.0	572.6	633.7	668.3							
G50.0	559.2	622.2	657.7							
G51.0	545.2	609.3	645.4							
G52.0	532.6	597.4	634.1							
G53.0	517.9	584.8	623.1							
G54.0	505.3	572.5	610.3							
G55.0	492.4	561.0	599.3							
G56.0	477.7	548.0	586.3							
G57.0	464.2	536.0	575.3							
G58.0	451.4	524.0	563.4							
G59.0	437.6	511.2	550.5							
G60.0	424.0	499.0	539.4							
G61.0	409.9	486.4	526.3							
G62.0	396.5	474.6	514.9							
G63.0	384.0	462.6	503.4							
G64.0	369.7	450.0	490.5							
G65.0	357.1	438.0	479.0							
G66.0	344.1	426.4	467.3							
G67.0	330.8	414.3	455.1							
G68.0	318.7	402.7	443.5							
G69.0	305.0	390.5	431.4							
G70.0	293.4	378.7	419.9							
G71.0	281.4	367.8	408.3							
G72.0	268.6	355.4	396.4							
G73.0	257.7	344.9	385.3							

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:

Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	246.0	334.0	374.5							
G75.0	233.6	322.4	362.4							
G76.0	222.9	311.6	352.0							
G77.0	211.3	300.6	340.4							
G78.0	201.1	290.1	330.2							
G79.0	191.2	280.4	319.6							
G80.0	180.3	269.2	308.8							
G81.0	170.7	259.8	298.3							
G82.0	160.5	249.1	288.3							
G83.0	151.2	240.0	277.9							
G84.0	142.6	230.5	268.0							
G85.0	133.4	220.9	257.8							
G86.0	125.5	211.6	248.8							
G87.0	117.2	203.0	239.5							
G88.0	109.2	193.6	229.7							
G89.0	102.0	185.2	220.8							
G90.0	93.9	175.7	211.8							
G91.0	87.0	168.0	202.5							
G92.0	80.6	159.7	194.2							
G93.0	73.5	151.4	185.0							
G94.0	67.2	143.8	176.7							
G95.0	61.3	136.4	169.2							
G96.0	54.8	128.0	160.3							
G97.0	49.5	121.1	152.9							
G98.0	43.2	113.4	144.9							
G99.0	39.2	106.7	137.1							
G100.0	35.7	99.9	129.8							
G101.0	31.9	92.5	122.0							
G102.0	28.8	87.4	115.0							
G103.0	25.3	80.2	108.5							
G104.0	21.8	74.0	101.2							
G105.0	19.1	68.6	94.7							
G106.0	17.2	63.9	87.8							
G107.0	15.4	59.9	82.2							
G108.0	14.0	56.1	77.2							
G109.0	12.6	51.8	72.6							
G110.0	11.4	47.8	68.5							

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 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	10.3	43.4	64.4							
G112.0	9.4	40.1	60.2							
G113.0	8.6	37.2	56.3							
G114.0	8.2	34.7	52.5							
G115.0	8.2	33.0	49.3							
G116.0	8.3	31.2	46.4							
G117.0	8.5	29.3	43.2							
G118.0	8.5	26.3	41.3							
G119.0	8.8	24.3	38.5							
G120.0	8.9	22.1	35.7							
G121.0	8.9	20.2	33.2							
G122.0	9.0	18.5	30.6							
G123.0	9.1	17.0	28.3							
G124.0	9.2	15.5	26.1							
G125.0	9.3	14.1	23.7							
G126.0	9.4	13.1	21.6							
G127.0	9.5	12.2	19.9							
G128.0	9.6	11.9	18.0							
G129.0	9.7	11.8	16.3							
G130.0	9.9	11.8	14.8							
G131.0	10.0	11.8	13.5							
G132.0	10.1	11.8	12.9							
G133.0	10.2	11.9	12.8							
G134.0	10.3	12.0	12.9							
G135.0	10.4	12.0	12.9							
G136.0	10.6	12.1	13.0							
G137.0	10.6	12.2	13.0							
G138.0	10.8	12.3	13.1							
G139.0	10.9	12.4	13.2							
G140.0	11.0	12.4	13.2							
G141.0	11.1	12.5	13.2							
G142.0	11.2	12.6	13.2							
G143.0	11.3	12.8	13.3							
G144.0	11.5	12.8	13.4							
G145.0	11.6	12.9	13.4							
G146.0	11.7	13.0	13.5							
G147.0	11.9	13.0	13.5							

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 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	12.0	13.1	13.6							
G149.0	12.1	13.2	13.6							
G150.0	12.2	13.3	13.7							
G151.0	12.4	13.4	13.8							
G152.0	12.5	13.5	13.8							
G153.0	12.6	13.5	13.8							
G154.0	12.7	13.5	13.8							
G155.0	12.9	13.7	13.8							
G156.0	13.0	13.7	13.8							
G157.0	13.1	13.8	13.8							
G158.0	13.2	13.8	13.8							
G159.0	13.3	13.9	13.8							
G160.0	13.4	14.0	13.8							
G161.0	13.5	14.0	13.8							
G162.0	13.7	14.1	14.0							
G163.0	13.7	14.1	14.0							
G164.0	13.8	14.1	14.0							
G165.0	13.9	14.1	14.1							
G166.0	13.9	14.1	14.2							
G167.0	14.0	14.4	14.3							
G168.0	13.9	14.4	14.3							
G169.0	14.0	14.4	14.3							
G170.0	14.2	14.5	14.4							
G171.0	14.3	14.6	14.5							
G172.0	14.3	14.7	14.6							
G173.0	14.3	14.7	14.6							
G174.0	14.4	14.7	14.6							
G175.0	14.5	14.7	14.7							
G176.0	14.6	14.7	14.8							
G177.0	14.7	14.9	14.8							
G178.0	14.8	14.9	14.8							
G179.0	14.8	15.0	14.8							
G180.0	14.9	15.0	14.9							

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: