



Report No.:

Test Time: 2026-04-06 17:20

Luminaire Property

Luminaire Manufacturer:
Luminaire Category: 应急灯
Lamp Catalog: LED
Number of Lamps: 8
Luminous Width (mm): 80
Current: 0.000 A
Power Factor: 0.000

Luminaire Description: CM-110
Lamp Description: F5椭圆绿灯
Luminous Length (mm): 350
Voltage: 0.0 V
Power: 0.00 W

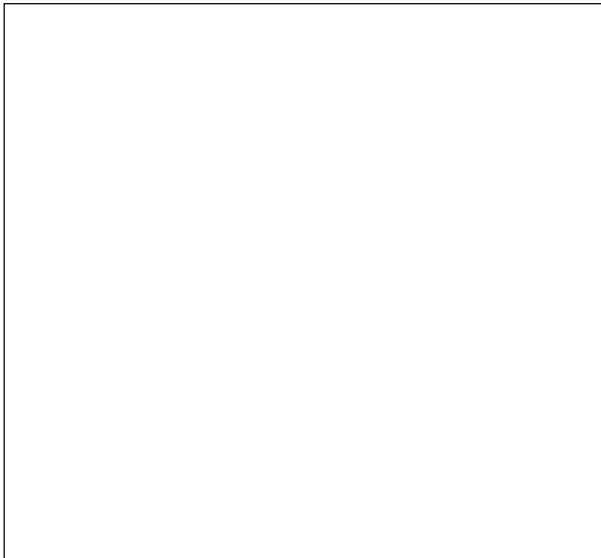
Photometric Results

CIE Class: General Diffuse
Measurement Flux: 16.1 lm
Downward Ratio: 57%
Horizontal Diffuse Angle(50%): H126.3
Vertical Diffuse Angle(50%): V164.6
Luminaire Efficacy Rating (LER): 16.10
Max. Intensity: 7.45 cd
S/MH(C0/C180): 1.30

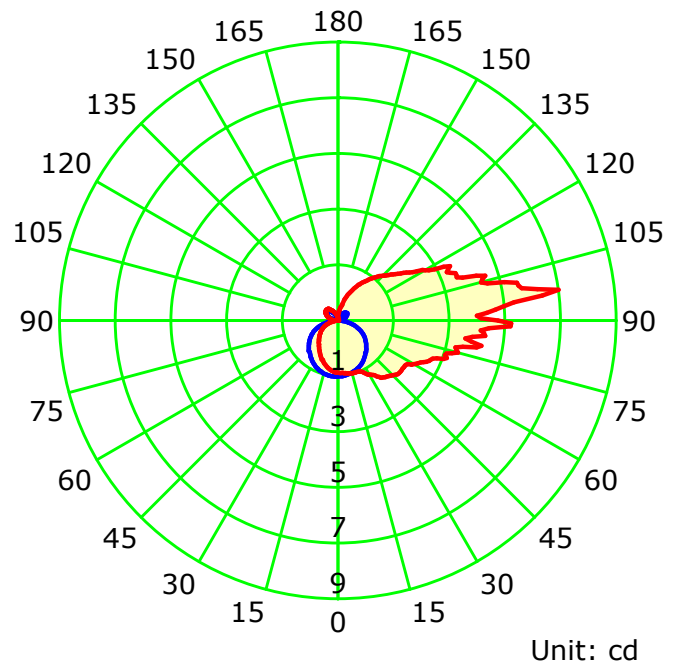
Total Rated Lamp Lumens: 16.1 lm
Efficiency: 100%
Upward Ratio: 43%

Central Intensity: 1.88 cd
Pos of Max. Intensity: H90 V98
S/MH(C90/C270): 1.52

Picture Of Luminaire



Luminous Intensity Distribution Curve



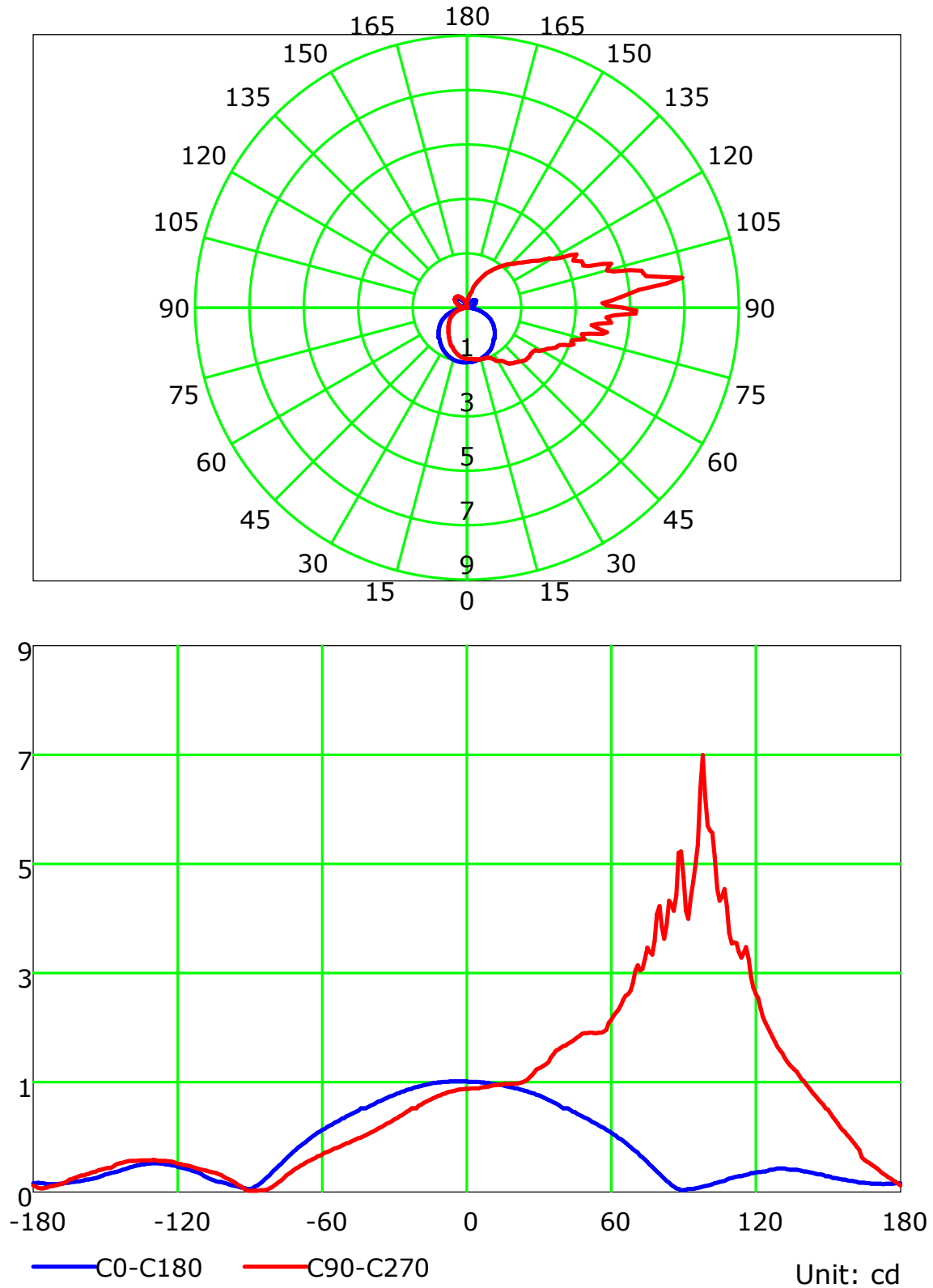
— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 90.0
Test Lab: mm
Test Type: TYPE C
Temperature: 20
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 4.456 m
Humidity:
Inspector:



Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 90.0

Test Lab: mm

Test Type: TYPE C

Temperature: 20

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600

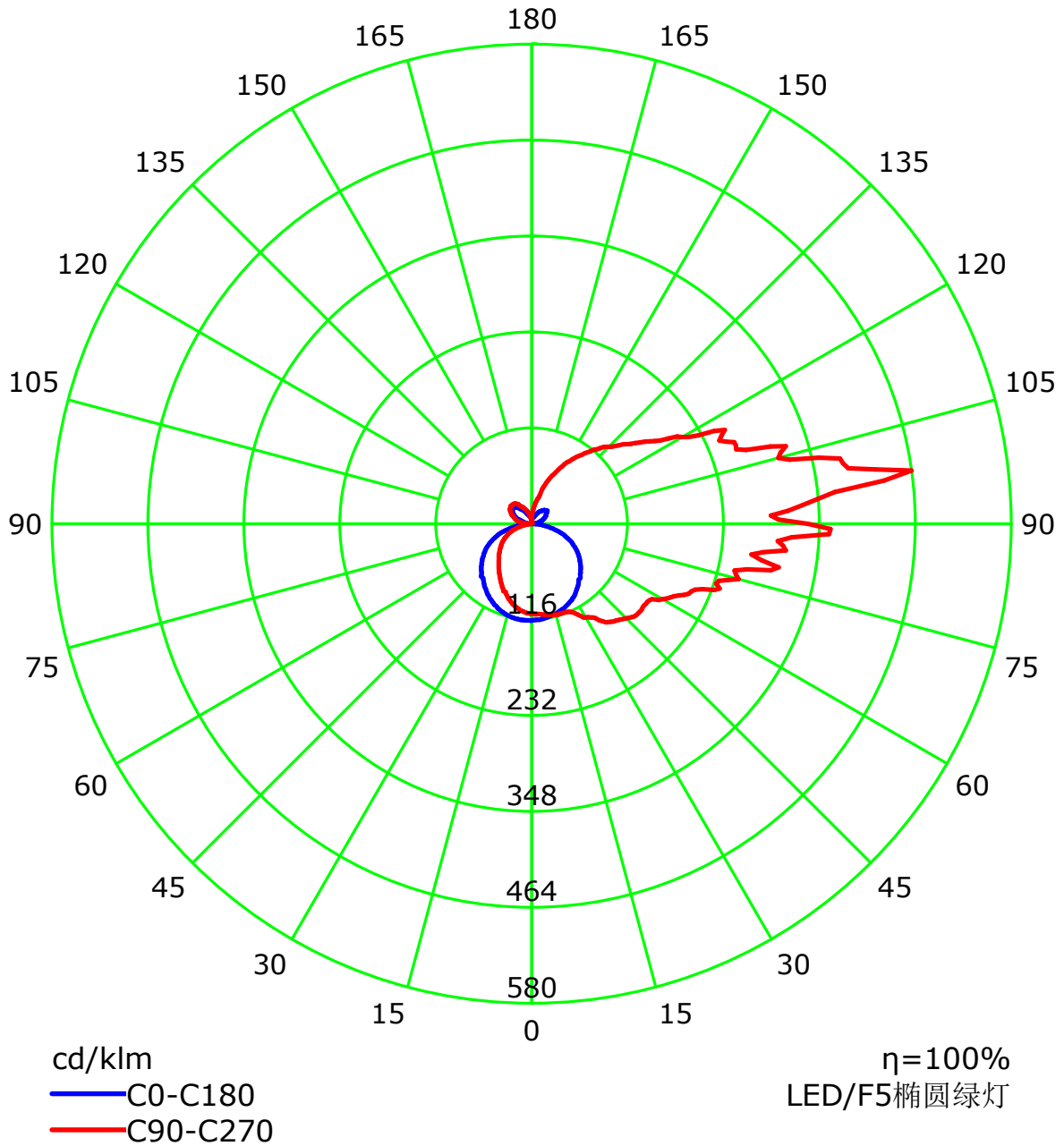
Distance: 4.456 m

Humidity:

Inspector:



Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 90.0
Test Lab: mm
Test Type: TYPE C
Temperature: 20
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 4.456 m
Humidity:
Inspector:



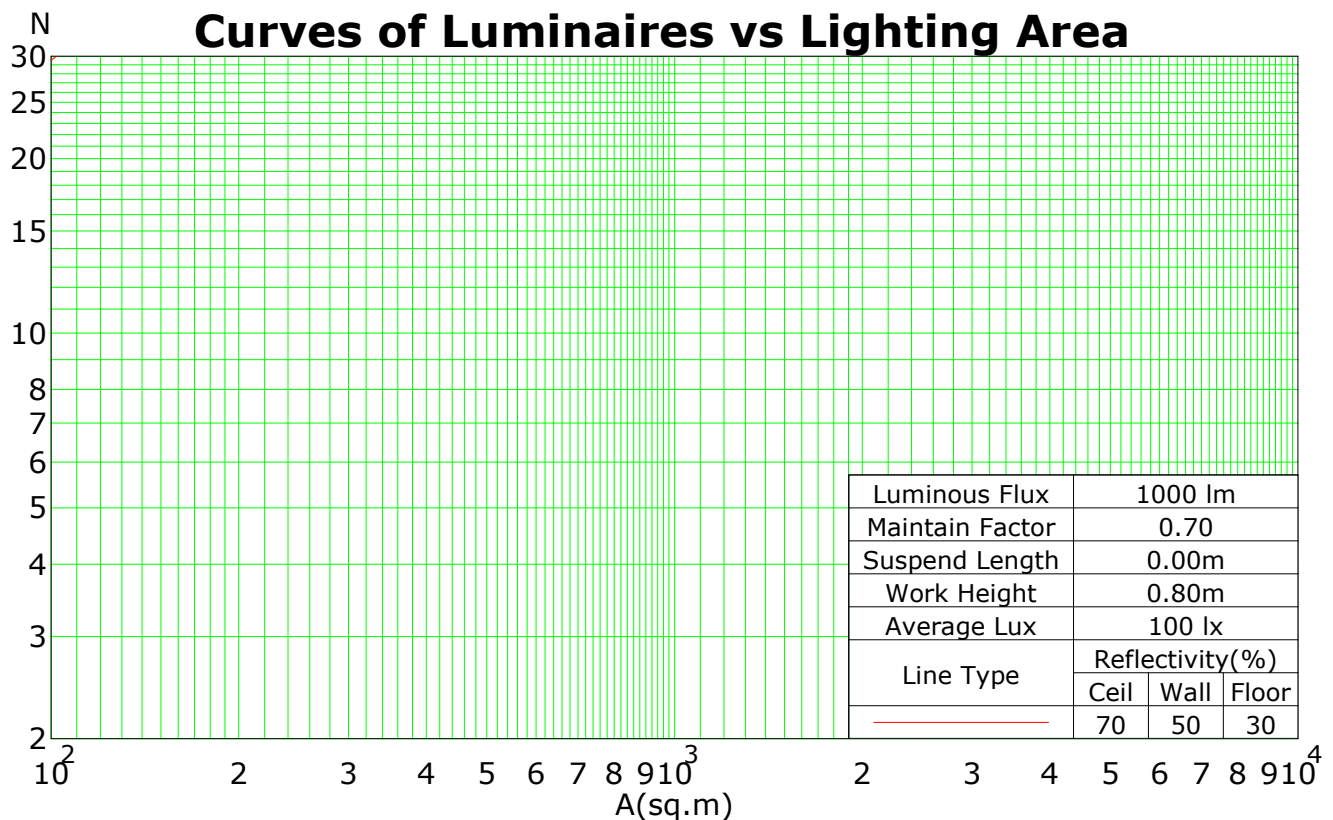
Coefficients Of Utilization - Zonal Cavity Method

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	109	109	109	109	101	101	101	101	87	87	87	75	75	75	63	63	63	57
1	95	89	83	78	88	82	78	73	70	67	63	59	56	54	49	47	45	40
2	85	76	68	61	78	70	63	57	59	54	49	50	45	42	41	38	35	30
3	77	65	56	49	71	60	52	46	51	45	40	43	38	34	35	31	28	24
4	70	57	48	41	64	53	44	38	45	38	33	38	32	28	31	27	23	19
5	64	50	41	34	59	47	38	32	40	33	28	33	28	24	27	23	20	16
6	59	45	36	29	54	42	33	27	36	29	24	30	24	20	25	20	17	14
7	54	40	31	25	50	37	29	24	32	25	21	27	22	18	22	18	15	12
8	50	36	28	22	46	34	26	21	29	23	18	25	19	16	20	16	13	11
9	47	33	25	19	43	31	23	18	27	20	16	23	18	14	19	15	12	9
10	43	30	23	17	40	28	21	16	25	19	14	21	16	12	17	13	10	8

Spacing Criteria (0-180): 1.30

Spacing Criteria (90-270): 1.52

Spacing Criteria (Diagonal): 1.55



C Plane (°):0.0-360.0: 90.0

Test Lab: mm

Test Type: TYPE C

Temperature: 20

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600

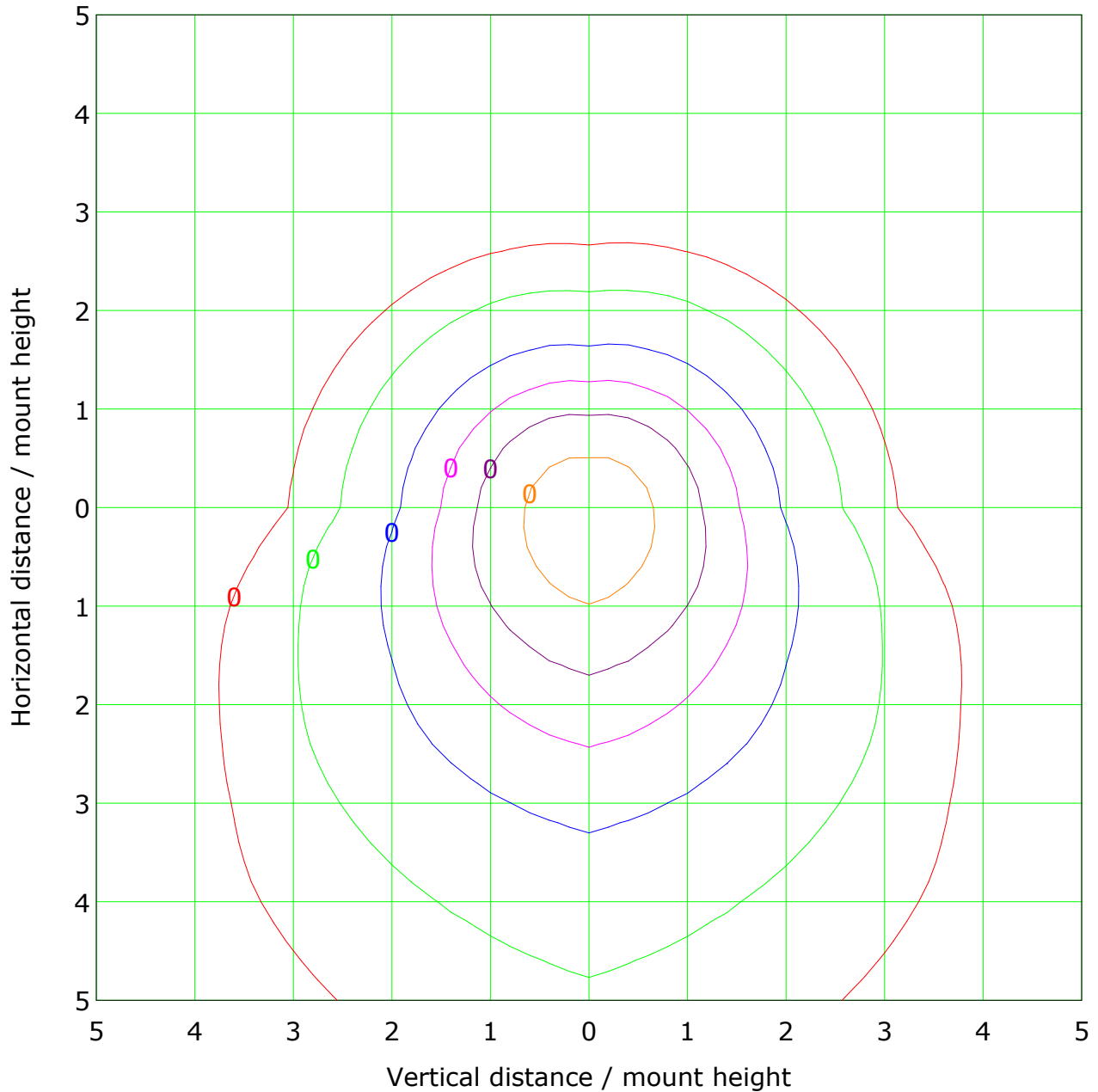
Distance: 4.456 m

Humidity:

Inspector:



IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 0.0 lx

(1%): 0.0 lx	(2%): 0.0 lx
(5%): 0.0 lx	(10%): 0.0 lx
(20%): 0.0 lx	(50%): 0.0 lx
(100%): 0.0 lx	

C Plane (°):0.0-360.0: 90.0
Test Lab: mm
Test Type: TYPE C
Temperature: 20
Operator:

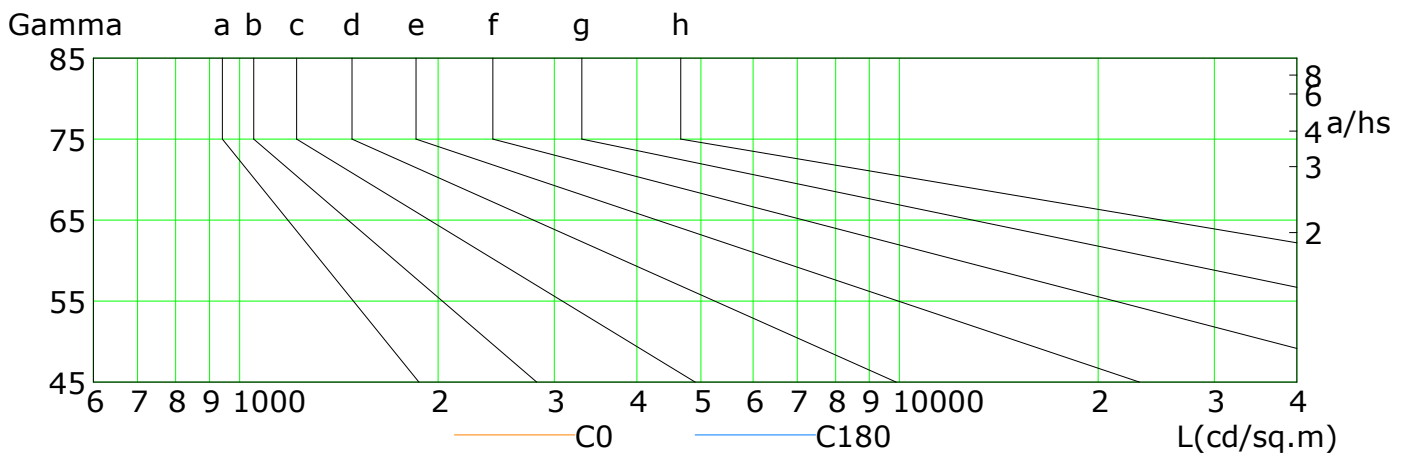
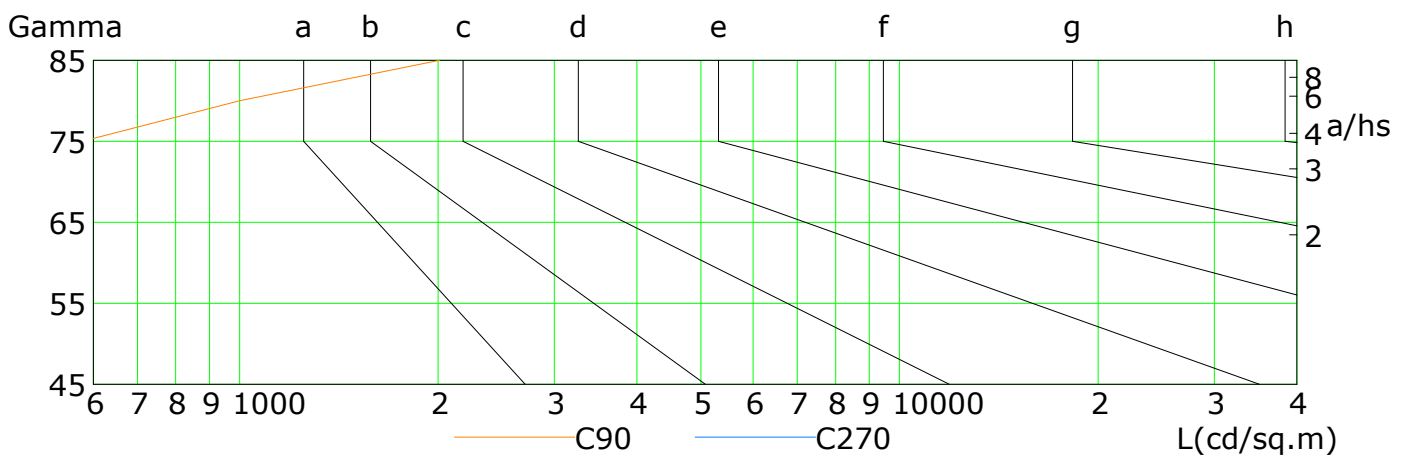
Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 4.456 m
Humidity:
Inspector:



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



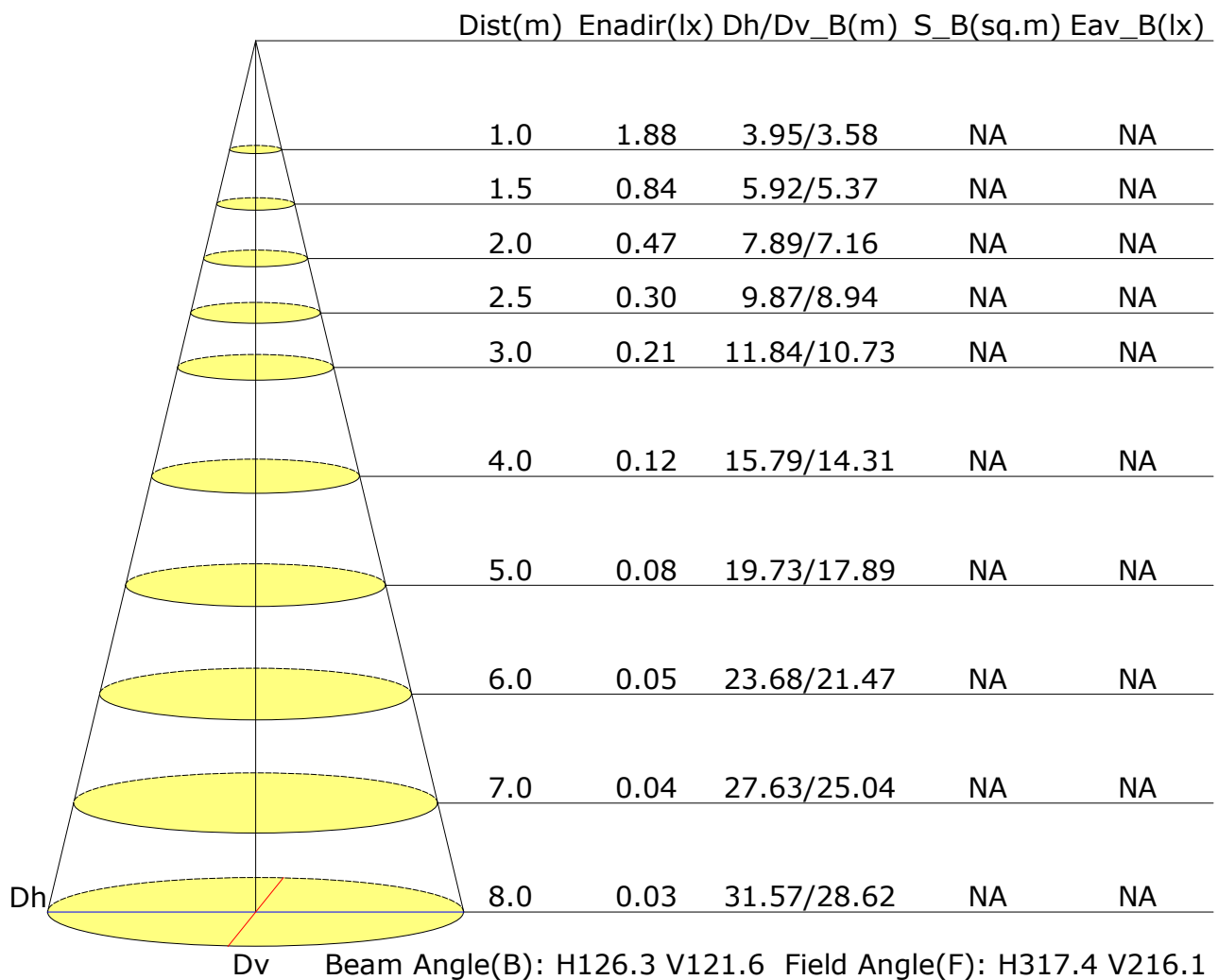
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	68	69	70	71	73	72	69	62	45
C90	131	150	169	209	276	394	574	1002	2008
C180	70	71	73	75	77	78	77	74	66
C270	46	46	45	45	45	43	37	21	8

C Plane (°):0.0-360.0: 90.0
 Test Lab: mm
 Test Type: TYPE C
 Temperature: 20
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 4.456 m
 Humidity:
 Inspector:

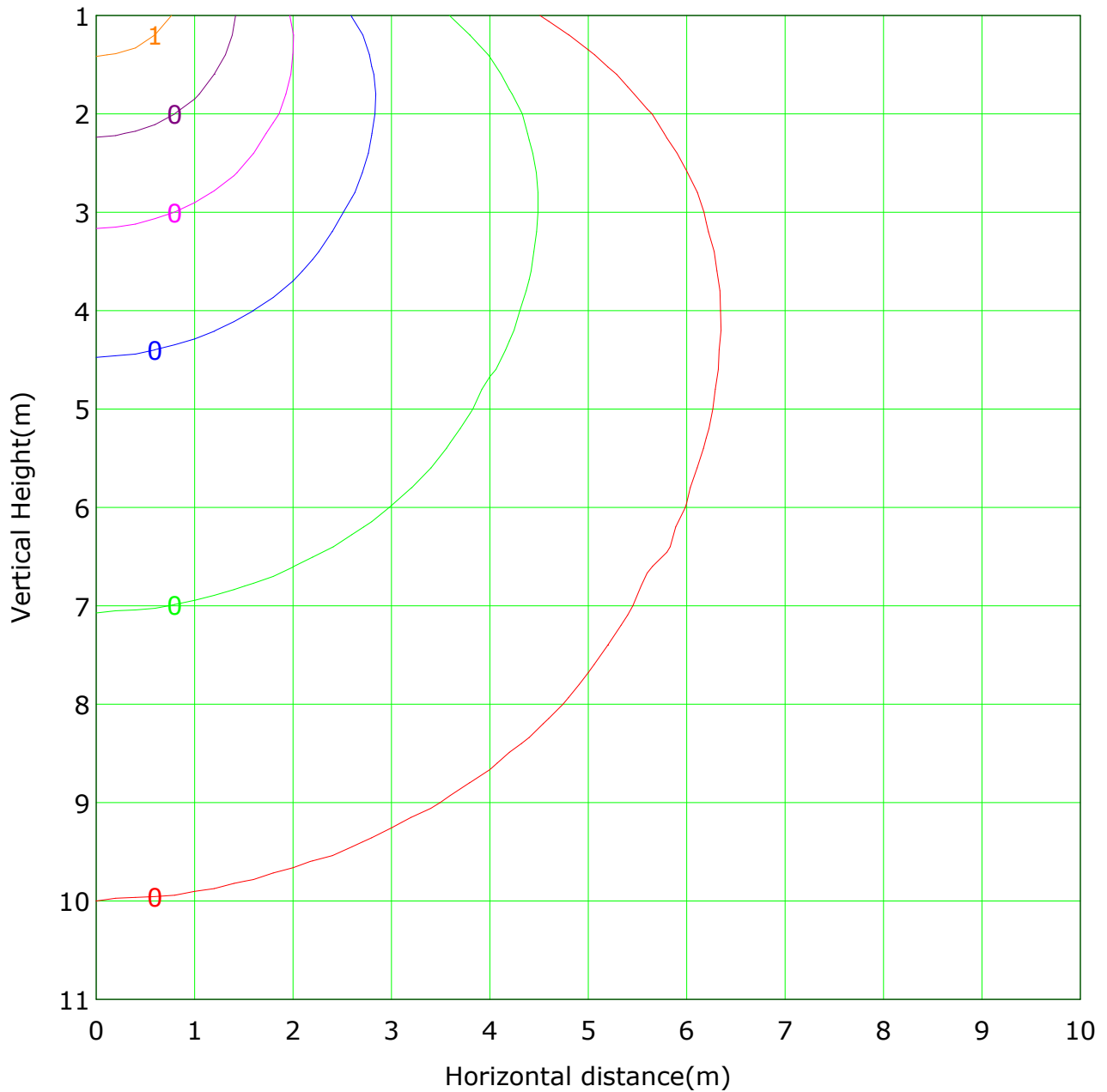


Illuminance at a Distance





Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 1.9 lx
(1%): 0.0 lx	(2%): 0.0 lx	
(5%): 0.1 lx	(10%): 0.2 lx	
(20%): 0.4 lx	(50%): 0.9 lx	
(100%): 1.9 lx		

C Plane (°):0.0-360.0: 90.0
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Test Type: TYPE C
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Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 4.456 m
Humidity:
Inspector:



Area Flux Table

Unit: lm

Vertical plane																	Horizontal plane																					
-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0																		

C Plane (°):0.0-360.0: 90.0
Test Lab: mm
Test Type: TYPE C
Temperature: 20
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 4.456 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	0.3	1.3	1.1	2.2	3.2	3.2	4.2	4.0	5.0	6.1
3H	2.4	3.3	3.2	4.2	5.2	7.4	8.3	8.3	9.2	10.3
4H	3.3	4.1	4.1	5.0	6.1	9.9	10.7	10.7	11.6	12.7
6H	4.0	4.8	4.8	5.7	6.8	12.8	13.6	13.7	14.5	15.6
8H	4.2	5.0	5.1	5.9	7.0	14.2	15.0	15.1	15.9	17.0
12H	4.3	5.1	5.2	6.0	7.1	16.0	16.7	16.9	17.6	18.8
X=4H Y=2H	1.9	2.8	2.8	3.6	4.8	3.9	4.7	4.7	5.6	6.7
3H	4.3	5.1	5.2	6.0	7.1	8.2	9.0	9.1	9.9	11.0
4H	5.5	6.2	6.4	7.1	8.3	10.9	11.5	11.8	12.4	13.6
6H	6.5	7.1	7.5	8.1	9.3	14.0	14.6	14.9	15.5	16.7
8H	6.9	7.5	7.8	8.4	9.6	15.5	16.1	16.4	17.0	18.2
12H	7.2	7.7	8.1	8.6	9.9	17.4	17.9	18.4	18.9	20.1
X=8H Y=4H	7.3	7.9	8.3	8.9	10.1	11.2	11.8	12.2	12.7	14.0
6H	8.9	9.4	9.9	10.4	11.6	14.6	15.1	15.6	16.1	17.3
8H	9.5	10.0	10.5	10.9	12.2	16.3	16.8	17.3	17.7	19.0
12H	10.1	10.5	11.1	11.5	12.8	18.5	18.9	19.5	19.9	21.2
X=12H Y=4H	8.1	8.7	9.1	9.6	10.8	11.3	11.8	12.2	12.7	14.0
6H	9.9	10.3	10.9	11.3	12.6	14.8	15.2	15.7	16.2	17.4
8H	10.8	11.2	11.8	12.2	13.4	16.6	16.9	17.5	17.9	19.2
Variations with the observer position at spacings:										
S=1.0H	+0.3/-0.3					+0.7/-0.8				
S=1.5H	+0.5/-0.5					+1.2/-1.6				
S=2.0H	+0.8/-0.9					+1.7/-2.6				

Calculate in accordance with CIE Pub.117. The table is revised with 16lm ($8\log(F/F_0) = -14.4$).

C Plane (°):0.0-360.0: 90.0
 Test Lab: mm
 Test Type: TYPE C
 Temperature: 20
 Operator:

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600
 Distance: 4.456 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	1.8	0.0	0.0	0.01	0.01
1.0-2.0	1.8	0.0	0.0	0.03	0.04
2.0-3.0	1.8	0.0	0.0	0.05	0.10
3.0-4.0	1.8	0.0	0.0	0.08	0.17
4.0-5.0	1.8	0.0	0.0	0.10	0.27
5.0-6.0	1.8	0.0	0.1	0.12	0.39
6.0-7.0	1.8	0.0	0.1	0.14	0.53
7.0-8.0	1.8	0.0	0.1	0.16	0.69
8.0-9.0	1.8	0.0	0.1	0.18	0.87
9.0-10.0	1.8	0.0	0.2	0.20	1.07
10.0-11.0	1.8	0.0	0.2	0.22	1.29
11.0-12.0	1.8	0.0	0.2	0.24	1.54
12.0-13.0	1.8	0.0	0.3	0.26	1.80
13.0-14.0	1.8	0.0	0.3	0.28	2.08
14.0-15.0	1.8	0.0	0.4	0.30	2.39
15.0-16.0	1.8	0.1	0.4	0.32	2.71
16.0-17.0	1.7	0.1	0.5	0.34	3.05
17.0-18.0	1.7	0.1	0.5	0.36	3.40
18.0-19.0	1.7	0.1	0.6	0.37	3.78
19.0-20.0	1.7	0.1	0.7	0.39	4.17
20.0-21.0	1.7	0.1	0.7	0.41	4.58
21.0-22.0	1.7	0.1	0.8	0.42	5.00
22.0-23.0	1.7	0.1	0.9	0.44	5.44
23.0-24.0	1.7	0.1	0.9	0.46	5.90
24.0-25.0	1.7	0.1	1.0	0.48	6.38
25.0-26.0	1.7	0.1	1.1	0.49	6.87
26.0-27.0	1.7	0.1	1.2	0.51	7.38
27.0-28.0	1.7	0.1	1.3	0.53	7.90
28.0-29.0	1.7	0.1	1.4	0.54	8.45
29.0-30.0	1.7	0.1	1.4	0.56	9.00
30.0-31.0	1.6	0.1	1.5	0.57	9.58
31.0-32.0	1.6	0.1	1.6	0.59	10.16
32.0-33.0	1.6	0.1	1.7	0.60	10.76
33.0-34.0	1.6	0.1	1.8	0.61	11.37
34.0-35.0	1.6	0.1	1.9	0.63	12.00
35.0-36.0	1.6	0.1	2.0	0.64	12.64

C Plane (°):0.0-360.0: 90.0
Test Lab: mm
Test Type: TYPE C
Temperature: 20
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 4.456 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	1.6	0.1	2.1	0.66	13.30
37.0-38.0	1.6	0.1	2.2	0.67	13.98
38.0-39.0	1.6	0.1	2.4	0.68	14.66
39.0-40.0	1.6	0.1	2.5	0.69	15.35
40.0-41.0	1.6	0.1	2.6	0.70	16.06
41.0-42.0	1.6	0.1	2.7	0.72	16.77
42.0-43.0	1.6	0.1	2.8	0.73	17.50
43.0-44.0	1.6	0.1	2.9	0.74	18.24
44.0-45.0	1.6	0.1	3.0	0.75	18.99
45.0-46.0	1.6	0.1	3.2	0.76	19.74
46.0-47.0	1.5	0.1	3.3	0.77	20.51
47.0-48.0	1.5	0.1	3.4	0.77	21.29
48.0-49.0	1.5	0.1	3.5	0.78	22.07
49.0-50.0	1.5	0.1	3.7	0.79	22.86
50.0-51.0	1.5	0.1	3.8	0.79	23.65
51.0-52.0	1.5	0.1	3.9	0.80	24.44
52.0-53.0	1.5	0.1	4.1	0.80	25.24
53.0-54.0	1.5	0.1	4.2	0.80	26.04
54.0-55.0	1.4	0.1	4.3	0.80	26.84
55.0-56.0	1.4	0.1	4.4	0.80	27.64
56.0-57.0	1.4	0.1	4.6	0.80	28.44
57.0-58.0	1.4	0.1	4.7	0.81	29.25
58.0-59.0	1.4	0.1	4.8	0.82	30.07
59.0-60.0	1.4	0.1	5.0	0.83	30.89
60.0-61.0	1.4	0.1	5.1	0.83	31.73
61.0-62.0	1.4	0.1	5.2	0.84	32.57
62.0-63.0	1.4	0.1	5.4	0.84	33.41
63.0-64.0	1.4	0.1	5.5	0.85	34.26
64.0-65.0	1.4	0.1	5.6	0.86	35.12
65.0-66.0	1.4	0.1	5.8	0.86	35.98
66.0-67.0	1.4	0.1	5.9	0.87	36.85
67.0-68.0	1.4	0.1	6.1	0.86	37.71
68.0-69.0	1.4	0.1	6.2	0.87	38.58
69.0-70.0	1.4	0.1	6.3	0.89	39.47
70.0-71.0	1.4	0.1	6.5	0.90	40.37
71.0-72.0	1.4	0.1	6.6	0.89	41.27

C Plane (°):0.0-360.0: 90.0
Test Lab: mm
Test Type: TYPE C
Temperature: 20
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 4.456 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	1.3	0.1	6.8	0.88	42.14
73.0-74.0	1.3	0.1	6.9	0.88	43.03
74.0-75.0	1.4	0.1	7.1	0.90	43.92
75.0-76.0	1.3	0.1	7.2	0.89	44.81
76.0-77.0	1.3	0.1	7.3	0.87	45.68
77.0-78.0	1.3	0.1	7.5	0.86	46.54
78.0-79.0	1.4	0.1	7.6	0.91	47.45
79.0-80.0	1.4	0.2	7.8	0.94	48.39
80.0-81.0	1.4	0.1	7.9	0.91	49.30
81.0-82.0	1.3	0.1	8.1	0.85	50.15
82.0-83.0	1.2	0.1	8.2	0.83	50.98
83.0-84.0	1.3	0.1	8.3	0.87	51.86
84.0-85.0	1.3	0.1	8.5	0.89	52.75
85.0-86.0	1.3	0.1	8.6	0.87	53.62
86.0-87.0	1.3	0.1	8.7	0.87	54.49
87.0-88.0	1.4	0.2	8.9	0.95	55.44
88.0-89.0	1.5	0.2	9.1	1.01	56.45
89.0-90.0	1.4	0.2	9.2	0.97	57.41
90.0-91.0	1.3	0.1	9.4	0.88	58.29
91.0-92.0	1.2	0.1	9.5	0.82	59.12
92.0-93.0	1.2	0.1	9.6	0.85	59.96
93.0-94.0	1.3	0.1	9.8	0.91	60.87
94.0-95.0	1.4	0.2	9.9	0.96	61.83
95.0-96.0	1.5	0.2	10.1	1.02	62.85
96.0-97.0	1.7	0.2	10.3	1.14	63.99
97.0-98.0	1.9	0.2	10.5	1.27	65.27
98.0-99.0	1.9	0.2	10.7	1.27	66.54
99.0-100.0	1.7	0.2	10.9	1.17	67.71
100.0-101.0	1.7	0.2	11.0	1.12	68.83
101.0-102.0	1.7	0.2	11.2	1.12	69.95
102.0-103.0	1.6	0.2	11.4	1.08	71.03
103.0-104.0	1.5	0.2	11.6	1.00	72.03
104.0-105.0	1.4	0.2	11.7	0.94	72.98
105.0-106.0	1.4	0.2	11.9	0.93	73.91
106.0-107.0	1.5	0.2	12.0	0.95	74.87
107.0-108.0	1.4	0.2	12.2	0.94	75.81

C Plane (°):0.0-360.0: 90.0
Test Lab: mm
Test Type: TYPE C
Temperature: 20
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 4.456 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	1.4	0.1	12.3	0.88	76.69
109.0-110.0	1.3	0.1	12.4	0.83	77.53
110.0-111.0	1.3	0.1	12.6	0.82	78.35
111.0-112.0	1.3	0.1	12.7	0.83	79.17
112.0-113.0	1.3	0.1	12.8	0.81	79.99
113.0-114.0	1.3	0.1	13.0	0.79	80.78
114.0-115.0	1.3	0.1	13.1	0.79	81.57
115.0-116.0	1.3	0.1	13.2	0.80	82.37
116.0-117.0	1.3	0.1	13.4	0.79	83.16
117.0-118.0	1.2	0.1	13.5	0.75	83.91
118.0-119.0	1.2	0.1	13.6	0.71	84.63
119.0-120.0	1.2	0.1	13.7	0.69	85.32
120.0-121.0	1.1	0.1	13.8	0.67	85.99
121.0-122.0	1.1	0.1	13.9	0.65	86.64
122.0-123.0	1.1	0.1	14.0	0.63	87.27
123.0-124.0	1.1	0.1	14.1	0.60	87.87
124.0-125.0	1.0	0.1	14.2	0.59	88.45
125.0-126.0	1.0	0.1	14.3	0.57	89.02
126.0-127.0	1.0	0.1	14.4	0.55	89.58
127.0-128.0	1.0	0.1	14.5	0.54	90.11
128.0-129.0	1.0	0.1	14.5	0.52	90.64
129.0-130.0	1.0	0.1	14.6	0.51	91.14
130.0-131.0	0.9	0.1	14.7	0.49	91.64
131.0-132.0	0.9	0.1	14.8	0.48	92.11
132.0-133.0	0.9	0.1	14.9	0.46	92.57
133.0-134.0	0.9	0.1	14.9	0.44	93.01
134.0-135.0	0.9	0.1	15.0	0.43	93.44
135.0-136.0	0.9	0.1	15.1	0.41	93.85
136.0-137.0	0.8	0.1	15.1	0.40	94.25
137.0-138.0	0.8	0.1	15.2	0.38	94.63
138.0-139.0	0.8	0.1	15.3	0.37	95.00
139.0-140.0	0.8	0.1	15.3	0.35	95.35
140.0-141.0	0.8	0.1	15.4	0.34	95.69
141.0-142.0	0.8	0.1	15.4	0.32	96.01
142.0-143.0	0.7	0.0	15.5	0.31	96.32
143.0-144.0	0.7	0.0	15.5	0.29	96.61

C Plane (°):0.0-360.0: 90.0
Test Lab: mm
Test Type: TYPE C
Temperature: 20
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 4.456 m
Humidity:
Inspector:



Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.7	0.0	15.6	0.27	96.88
145.0-146.0	0.7	0.0	15.6	0.26	97.14
146.0-147.0	0.6	0.0	15.6	0.24	97.39
147.0-148.0	0.6	0.0	15.7	0.23	97.62
148.0-149.0	0.6	0.0	15.7	0.22	97.83
149.0-150.0	0.6	0.0	15.7	0.20	98.04
150.0-151.0	0.6	0.0	15.8	0.19	98.23
151.0-152.0	0.5	0.0	15.8	0.18	98.41
152.0-153.0	0.5	0.0	15.8	0.16	98.57
153.0-154.0	0.5	0.0	15.8	0.15	98.72
154.0-155.0	0.5	0.0	15.9	0.14	98.86
155.0-156.0	0.5	0.0	15.9	0.13	98.99
156.0-157.0	0.4	0.0	15.9	0.12	99.11
157.0-158.0	0.4	0.0	15.9	0.11	99.22
158.0-159.0	0.4	0.0	15.9	0.10	99.32
159.0-160.0	0.4	0.0	16.0	0.09	99.41
160.0-161.0	0.4	0.0	16.0	0.08	99.49
161.0-162.0	0.3	0.0	16.0	0.07	99.57
162.0-163.0	0.3	0.0	16.0	0.07	99.63
163.0-164.0	0.3	0.0	16.0	0.06	99.69
164.0-165.0	0.3	0.0	16.0	0.05	99.74
165.0-166.0	0.3	0.0	16.0	0.04	99.78
166.0-167.0	0.2	0.0	16.0	0.04	99.82
167.0-168.0	0.2	0.0	16.0	0.03	99.85
168.0-169.0	0.2	0.0	16.0	0.03	99.88
169.0-170.0	0.2	0.0	16.0	0.02	99.91
170.0-171.0	0.2	0.0	16.0	0.02	99.93
171.0-172.0	0.2	0.0	16.0	0.02	99.94
172.0-173.0	0.2	0.0	16.0	0.01	99.96
173.0-174.0	0.2	0.0	16.0	0.01	99.97
174.0-175.0	0.1	0.0	16.0	0.01	99.98
175.0-176.0	0.1	0.0	16.1	0.01	99.99
176.0-177.0	0.1	0.0	16.1	0.01	99.99
177.0-178.0	0.1	0.0	16.1	0.00	100.00
178.0-179.0	0.1	0.0	16.1	0.00	100.00
179.0-180.0	0.1	0.0	16.1	0.00	100.00

C Plane (°):0.0-360.0: 90.0
Test Lab: mm
Test Type: TYPE C
Temperature: 20
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 4.456 m
Humidity:
Inspector:



Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	1.9	1.8	1.9	1.8	1.9					
G1.0	1.9	1.8	1.9	1.8	1.9					
G2.0	1.9	1.8	1.9	1.7	1.9					
G3.0	1.9	1.8	1.9	1.7	1.9					
G4.0	1.9	1.8	1.9	1.7	1.9					
G5.0	1.9	1.8	1.9	1.7	1.9					
G6.0	1.9	1.8	1.9	1.7	1.9					
G7.0	1.9	1.8	1.9	1.7	1.9					
G8.0	1.9	1.8	1.9	1.7	1.9					
G9.0	1.9	1.8	1.9	1.7	1.9					
G10.0	1.8	1.8	1.9	1.7	1.8					
G11.0	1.8	1.8	1.9	1.6	1.8					
G12.0	1.8	1.8	1.9	1.6	1.8					
G13.0	1.8	1.8	1.9	1.6	1.8					
G14.0	1.8	1.8	1.9	1.6	1.8					
G15.0	1.8	1.8	1.8	1.6	1.8					
G16.0	1.8	1.8	1.8	1.5	1.8					
G17.0	1.8	1.8	1.8	1.5	1.8					
G18.0	1.8	1.8	1.8	1.5	1.8					
G19.0	1.8	1.8	1.8	1.5	1.8					
G20.0	1.8	1.8	1.8	1.5	1.8					
G21.0	1.8	1.8	1.8	1.4	1.8					
G22.0	1.7	1.9	1.8	1.4	1.7					
G23.0	1.7	1.9	1.8	1.4	1.7					
G24.0	1.7	1.9	1.7	1.4	1.7					
G25.0	1.7	1.9	1.7	1.4	1.7					
G26.0	1.7	1.9	1.7	1.3	1.7					
G27.0	1.7	2.0	1.7	1.3	1.7					
G28.0	1.7	2.0	1.7	1.3	1.7					
G29.0	1.6	2.1	1.7	1.3	1.6					
G30.0	1.6	2.1	1.6	1.2	1.6					
G31.0	1.6	2.1	1.6	1.2	1.6					
G32.0	1.6	2.2	1.6	1.2	1.6					
G33.0	1.6	2.2	1.6	1.2	1.6					
G34.0	1.6	2.2	1.6	1.1	1.6					
G35.0	1.5	2.3	1.6	1.1	1.5					
G36.0	1.5	2.3	1.5	1.1	1.5					

C Plane (°):0.0-360.0: 90.0
Test Lab: mm
Test Type: TYPE C
Temperature: 20
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 4.456 m
Humidity:
Inspector:



Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G37.0	1.5	2.4	1.5	1.1	1.5					
G38.0	1.5	2.4	1.5	1.0	1.5					
G39.0	1.5	2.5	1.5	1.0	1.5					
G40.0	1.4	2.5	1.5	1.0	1.4					
G41.0	1.4	2.5	1.4	1.0	1.4					
G42.0	1.4	2.5	1.4	1.0	1.4					
G43.0	1.4	2.5	1.4	0.9	1.4					
G44.0	1.4	2.6	1.4	0.9	1.4					
G45.0	1.4	2.6	1.4	0.9	1.4					
G46.0	1.3	2.6	1.4	0.9	1.3					
G47.0	1.3	2.7	1.3	0.9	1.3					
G48.0	1.3	2.7	1.3	0.9	1.3					
G49.0	1.3	2.7	1.3	0.8	1.3					
G50.0	1.2	2.7	1.3	0.8	1.2					
G51.0	1.2	2.7	1.3	0.8	1.2					
G52.0	1.2	2.7	1.2	0.8	1.2					
G53.0	1.2	2.7	1.2	0.8	1.2					
G54.0	1.1	2.7	1.2	0.7	1.1					
G55.0	1.1	2.7	1.2	0.7	1.1					
G56.0	1.1	2.7	1.1	0.7	1.1					
G57.0	1.1	2.7	1.1	0.7	1.1					
G58.0	1.0	2.8	1.1	0.7	1.0					
G59.0	1.0	2.9	1.1	0.7	1.0					
G60.0	1.0	2.9	1.0	0.6	1.0					
G61.0	1.0	3.0	1.0	0.6	1.0					
G62.0	0.9	3.0	1.0	0.6	0.9					
G63.0	0.9	3.1	1.0	0.6	0.9					
G64.0	0.9	3.2	0.9	0.6	0.9					
G65.0	0.9	3.3	0.9	0.5	0.9					
G66.0	0.8	3.3	0.9	0.5	0.8					
G67.0	0.8	3.4	0.8	0.5	0.8					
G68.0	0.8	3.4	0.8	0.5	0.8					
G69.0	0.7	3.5	0.8	0.4	0.7					
G70.0	0.7	3.8	0.8	0.4	0.7					
G71.0	0.7	3.9	0.7	0.4	0.7					
G72.0	0.6	3.8	0.7	0.4	0.6					
G73.0	0.6	3.8	0.6	0.3	0.6					

C Plane (°):0.0-360.0: 90.0
Test Lab: mm
Test Type: TYPE C
Temperature: 20
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 4.456 m
Humidity:
Inspector:



Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G74.0	0.5	4.0	0.6	0.3	0.5					
G75.0	0.5	4.2	0.6	0.3	0.5					
G76.0	0.5	4.1	0.5	0.2	0.5					
G77.0	0.4	4.0	0.5	0.2	0.4					
G78.0	0.4	4.3	0.4	0.2	0.4					
G79.0	0.3	4.7	0.4	0.1	0.3					
G80.0	0.3	4.9	0.4	0.1	0.3					
G81.0	0.3	4.5	0.3	0.1	0.3					
G82.0	0.2	4.3	0.3	0.1	0.2					
G83.0	0.2	4.5	0.2	0.0	0.2					
G84.0	0.2	5.0	0.2	0.0	0.2					
G85.0	0.1	4.9	0.2	0.0	0.1					
G86.0	0.1	4.8	0.1	0.0	0.1					
G87.0	0.1	5.1	0.1	0.0	0.1					
G88.0	0.0	5.8	0.1	0.0	0.0					
G89.0	0.0	5.8	0.1	0.0	0.0					
G90.0	0.0	5.4	0.0	0.0	0.0					
G91.0	0.0	4.8	0.0	0.0	0.0					
G92.0	0.0	4.7	0.1	0.0	0.0					
G93.0	0.0	5.0	0.1	0.1	0.0					
G94.0	0.0	5.3	0.1	0.1	0.0					
G95.0	0.1	5.6	0.1	0.1	0.1					
G96.0	0.1	5.9	0.1	0.1	0.1					
G97.0	0.1	6.9	0.1	0.2	0.1					
G98.0	0.1	7.4	0.1	0.2	0.1					
G99.0	0.1	6.8	0.1	0.2	0.1					
G100.0	0.1	6.2	0.1	0.2	0.1					
G101.0	0.1	6.2	0.2	0.3	0.1					
G102.0	0.1	6.1	0.2	0.3	0.1					
G103.0	0.1	5.7	0.2	0.3	0.1					
G104.0	0.2	5.2	0.2	0.3	0.2					
G105.0	0.2	5.0	0.2	0.3	0.2					
G106.0	0.2	5.0	0.2	0.3	0.2					
G107.0	0.2	5.2	0.2	0.3	0.2					
G108.0	0.2	4.9	0.2	0.3	0.2					
G109.0	0.2	4.4	0.3	0.4	0.2					
G110.0	0.2	4.2	0.3	0.4	0.2					

C Plane (°):0.0-360.0: 90.0
Test Lab: mm
Test Type: TYPE C
Temperature: 20
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 4.456 m
Humidity:
Inspector:



Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G111.0	0.2	4.3	0.3	0.4	0.2					
G112.0	0.3	4.2	0.3	0.4	0.3					
G113.0	0.3	4.1	0.3	0.4	0.3					
G114.0	0.3	4.0	0.3	0.4	0.3					
G115.0	0.3	4.1	0.4	0.4	0.3					
G116.0	0.3	4.2	0.4	0.4	0.3					
G117.0	0.3	4.0	0.4	0.4	0.3					
G118.0	0.3	3.7	0.4	0.4	0.3					
G119.0	0.3	3.5	0.4	0.5	0.3					
G120.0	0.3	3.4	0.4	0.5	0.3					
G121.0	0.3	3.3	0.4	0.5	0.3					
G122.0	0.3	3.1	0.4	0.5	0.3					
G123.0	0.3	3.0	0.4	0.5	0.3					
G124.0	0.3	2.9	0.5	0.5	0.3					
G125.0	0.3	2.8	0.5	0.5	0.3					
G126.0	0.4	2.7	0.5	0.5	0.4					
G127.0	0.4	2.6	0.5	0.5	0.4					
G128.0	0.4	2.5	0.5	0.5	0.4					
G129.0	0.4	2.5	0.5	0.5	0.4					
G130.0	0.4	2.4	0.5	0.5	0.4					
G131.0	0.4	2.4	0.5	0.5	0.4					
G132.0	0.4	2.3	0.5	0.5	0.4					
G133.0	0.4	2.2	0.5	0.5	0.4					
G134.0	0.4	2.2	0.5	0.5	0.4					
G135.0	0.4	2.1	0.5	0.5	0.4					
G136.0	0.4	2.1	0.4	0.5	0.4					
G137.0	0.4	2.0	0.4	0.5	0.4					
G138.0	0.4	2.0	0.4	0.5	0.4					
G139.0	0.3	1.9	0.4	0.5	0.3					
G140.0	0.3	1.9	0.4	0.5	0.3					
G141.0	0.3	1.8	0.4	0.5	0.3					
G142.0	0.3	1.8	0.4	0.5	0.3					
G143.0	0.3	1.7	0.4	0.5	0.3					
G144.0	0.3	1.7	0.3	0.5	0.3					
G145.0	0.3	1.6	0.3	0.5	0.3					
G146.0	0.3	1.6	0.3	0.4	0.3					
G147.0	0.3	1.5	0.3	0.4	0.3					

C Plane (°):0.0-360.0: 90.0
Test Lab: mm
Test Type: TYPE C
Temperature: 20
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 4.456 m
Humidity:
Inspector:



Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G148.0	0.3	1.5	0.3	0.4	0.3					
G149.0	0.3	1.4	0.3	0.4	0.3					
G150.0	0.3	1.4	0.3	0.4	0.3					
G151.0	0.3	1.3	0.3	0.4	0.3					
G152.0	0.2	1.3	0.3	0.4	0.2					
G153.0	0.2	1.2	0.2	0.4	0.2					
G154.0	0.2	1.2	0.2	0.3	0.2					
G155.0	0.2	1.1	0.2	0.3	0.2					
G156.0	0.2	1.0	0.2	0.3	0.2					
G157.0	0.2	1.0	0.2	0.3	0.2					
G158.0	0.2	1.0	0.2	0.3	0.2					
G159.0	0.2	0.9	0.2	0.3	0.2					
G160.0	0.2	0.9	0.2	0.3	0.2					
G161.0	0.2	0.8	0.2	0.3	0.2					
G162.0	0.2	0.8	0.2	0.2	0.2					
G163.0	0.2	0.7	0.2	0.2	0.2					
G164.0	0.2	0.6	0.2	0.2	0.2					
G165.0	0.2	0.5	0.2	0.2	0.2					
G166.0	0.1	0.5	0.2	0.2	0.1					
G167.0	0.1	0.5	0.1	0.2	0.1					
G168.0	0.1	0.5	0.1	0.1	0.1					
G169.0	0.1	0.4	0.1	0.1	0.1					
G170.0	0.1	0.4	0.1	0.1	0.1					
G171.0	0.1	0.4	0.1	0.1	0.1					
G172.0	0.1	0.3	0.1	0.1	0.1					
G173.0	0.1	0.3	0.1	0.1	0.1					
G174.0	0.1	0.3	0.1	0.1	0.1					
G175.0	0.1	0.2	0.1	0.1	0.1					
G176.0	0.1	0.2	0.1	0.1	0.1					
G177.0	0.1	0.2	0.1	0.1	0.1					
G178.0	0.1	0.2	0.2	0.1	0.1					
G179.0	0.1	0.1	0.1	0.1	0.1					
G180.0	0.1	0.1	0.1	0.1	0.1					

C Plane (°):0.0-360.0: 90.0
Test Lab: mm
Test Type: TYPE C
Temperature: 20
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600
Distance: 4.456 m
Humidity:
Inspector: