

Report No.: 20200529

Test Time: 2020-06-01 20:33

Luminaire Property

Luminaire Manufacturer:
Luminaire Category: NB
Luminaire Description: MX811D-LD40WDD-4FT
Lamp Catalog: 4000k
Lamp Description: SLE40-I800 120-277W DIR
Number of Lamps: 336X2
Luminous Length (mm): 1200
Luminous Height (mm): 100
Current: 0.341 A
Power Factor: 0.997

Lumens per Lamp: 30-34LM
Luminous Width (mm): 70
Voltage: 119.0 V
Power: 40.49 W

Photometric Results

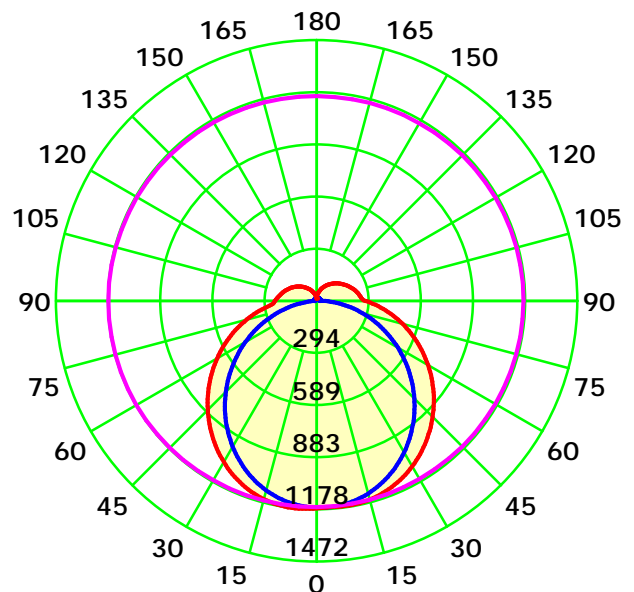
CIE Class: Semi-Direct
Measurement Flux: 4586.6 lm
Downward Ratio: 39.24%
Field Angle: H163.6 V277.1
Luminaire Efficacy Rating (LER): 113
Max. Intensity: 1178.32 cd

Total Rated Lamp Lumens: 10080.0 lm
Efficiency: 45.50%
Upward Ratio: 6.27%
Beam Angle: H110.2 V133.4
Central Intensity: 1169.14 cd
Pos of Max. Intensity: H270 V6

Picture Of Luminaire



Luminous Intensity Distribution Curve



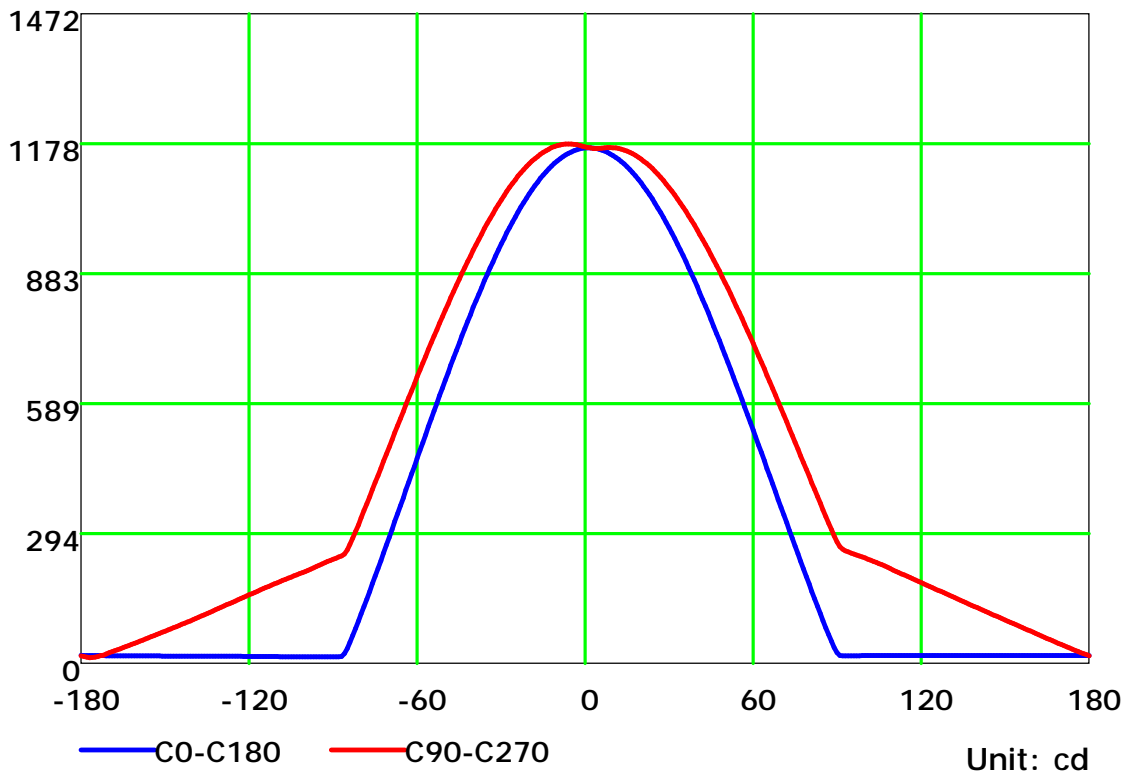
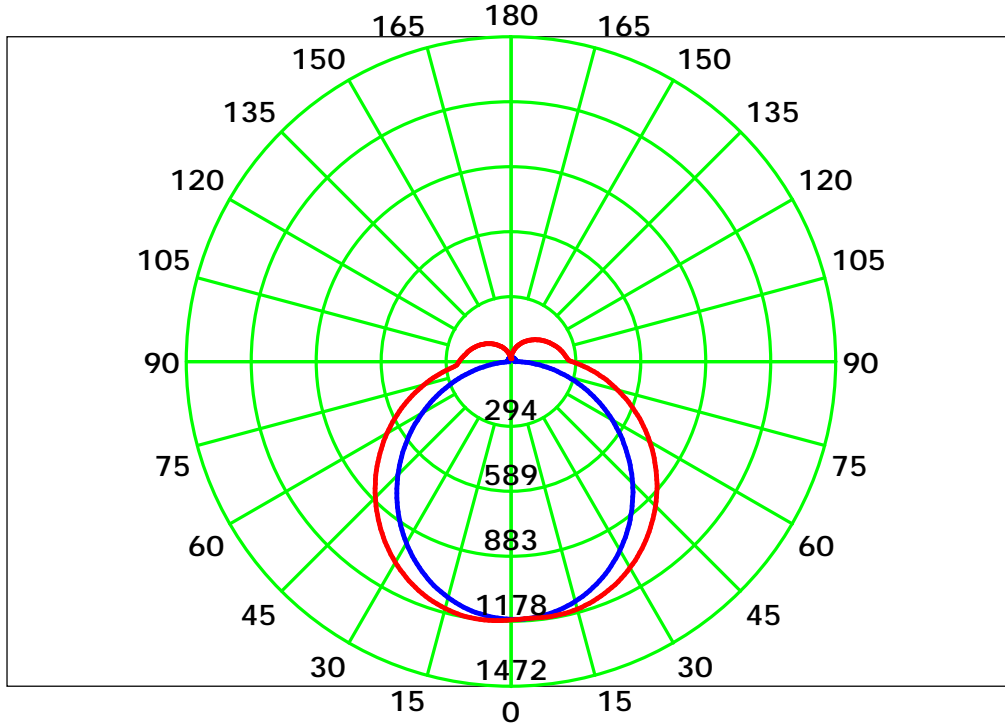
Average Diffuse Angle(50%): 121.8° Unit: cd

— C0-C180 — C90-C270 — G6

C Plane (°):0.0-360.0: 30.0
Test Lab: 105
Test Type: TYPE C
Temperature: 23
Operator: QIU

Gamma Plane (°):0.0-180.0: 1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 88
Inspector:

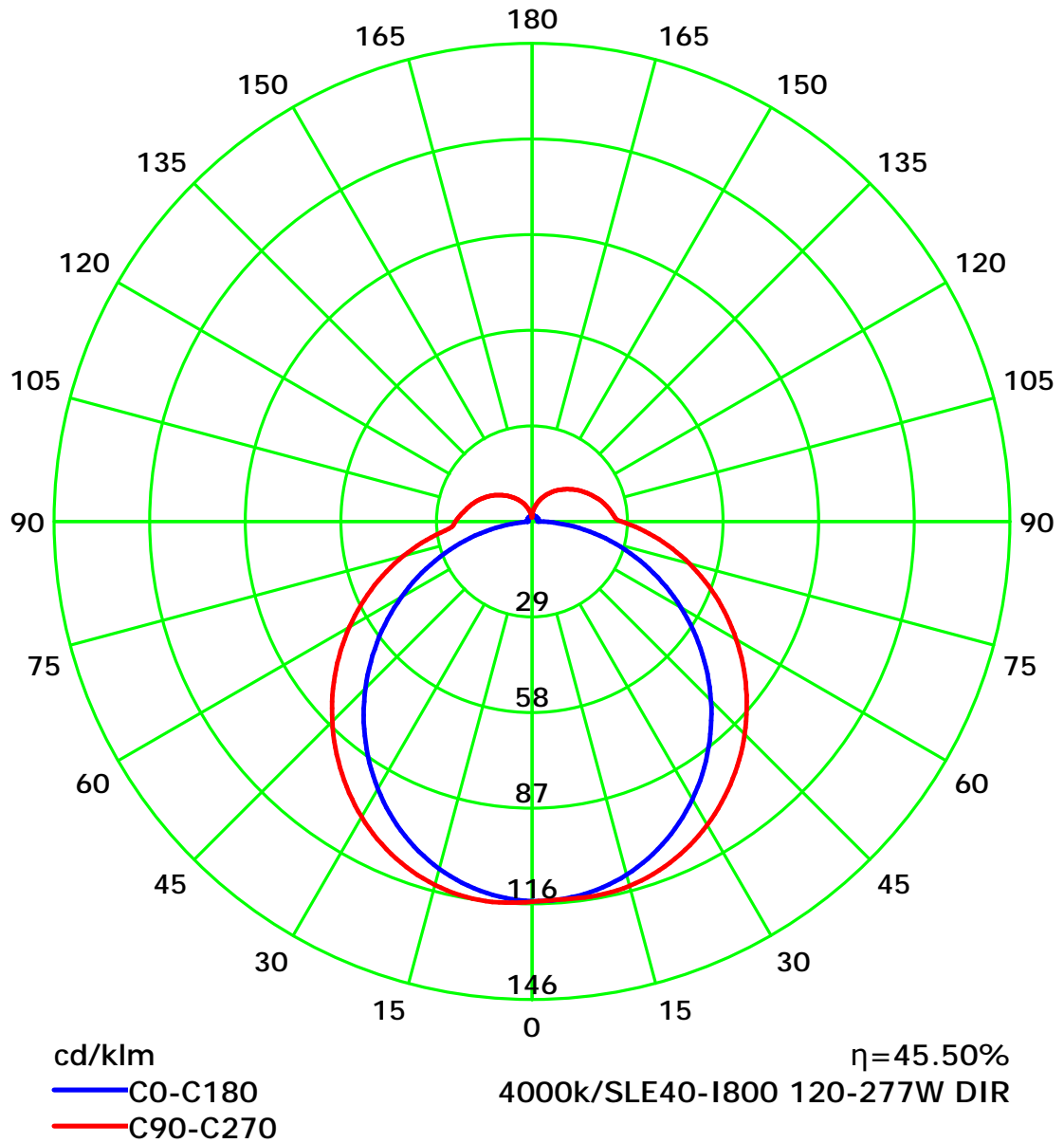
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0
 Test Lab: 105
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 Inspector:

Luminous Intensity Distribution Curve(cd/klm)



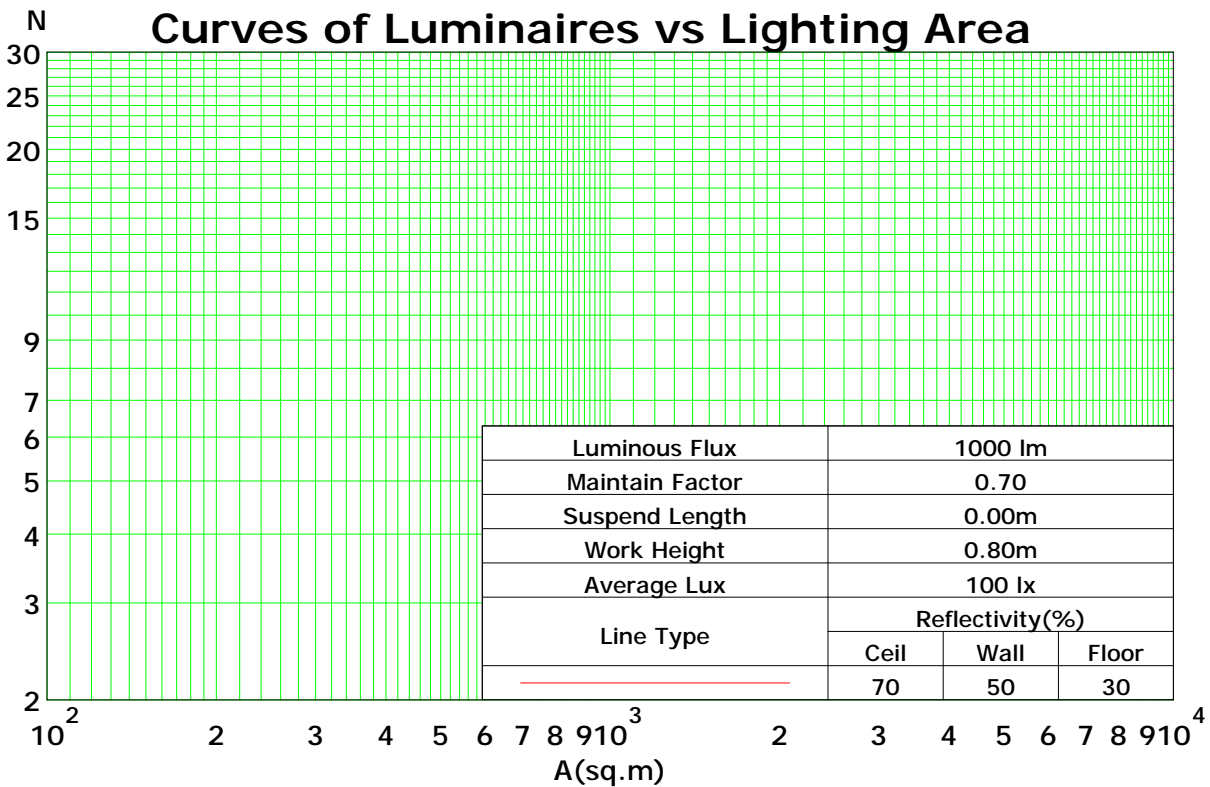
C Plane (°):0.0-360.0: 30.0
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 Inspector:

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	53	53	53	53	51	51	51	51	47	47	47	44	44	44	41	41	41	39
1	47	45	42	40	45	43	41	39	40	38	37	37	36	35	34	33	32	31
2	43	38	35	32	41	37	34	31	34	32	30	32	30	28	30	28	27	25
3	39	34	30	26	37	32	29	26	30	27	25	28	25	23	26	24	22	21
4	35	30	25	22	34	28	25	22	27	23	21	25	22	20	23	21	19	18
5	32	26	22	19	31	25	21	19	24	20	18	22	19	17	21	18	16	15
6	30	24	19	16	28	23	19	16	21	18	15	20	17	15	19	16	14	13
7	28	21	17	14	26	21	17	14	19	16	14	18	15	13	17	14	13	11
8	26	19	15	13	25	19	15	12	18	14	12	17	14	12	16	13	11	10
9	24	18	14	11	23	17	14	11	16	13	11	15	12	10	14	12	10	9
10	22	16	13	10	21	16	12	10	15	12	10	14	11	9	13	11	9	8

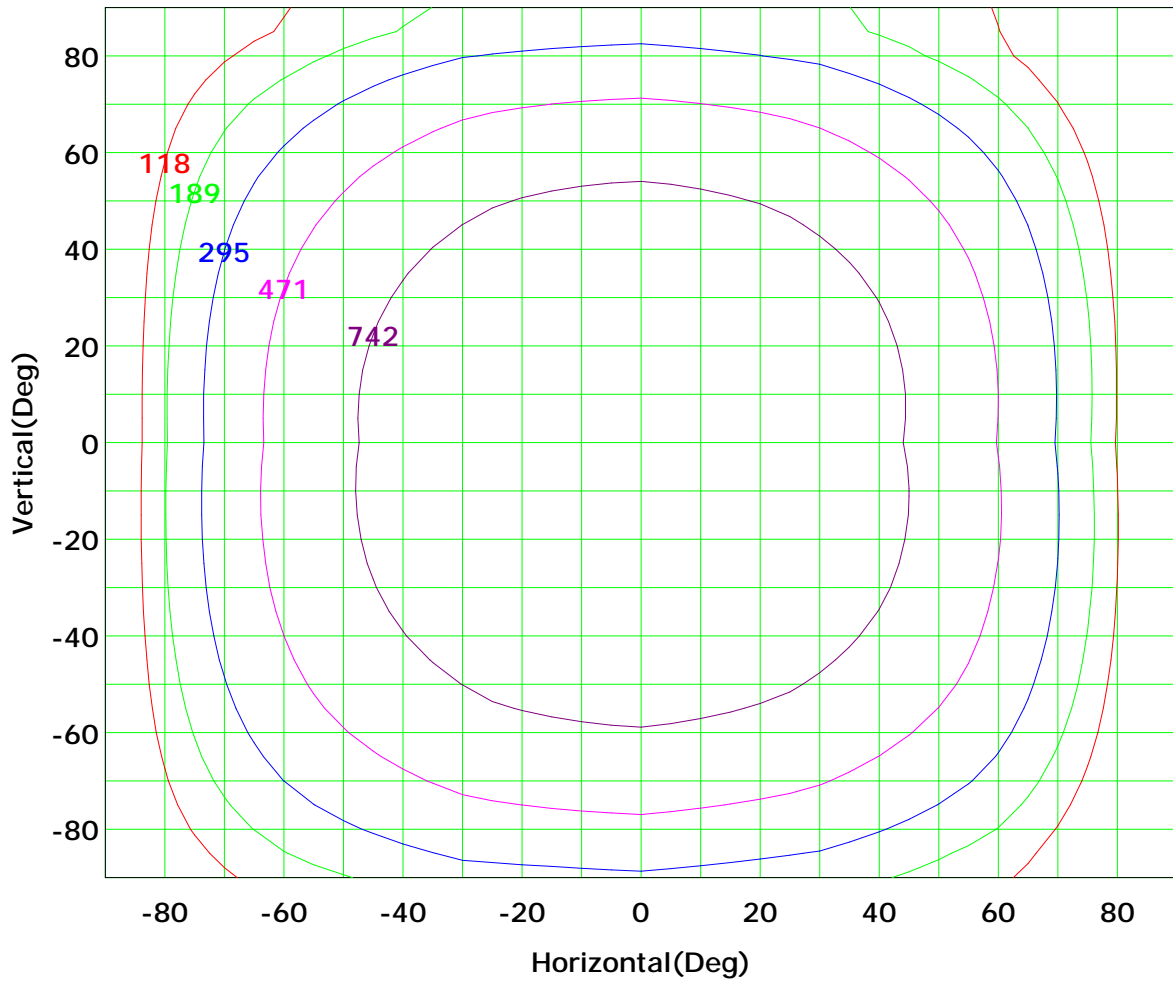
Spacing Criteria (0-180): 1.23
 Spacing Criteria (90-270): 1.35
 Spacing Criteria (Diagonal): 1.43



C Plane (°):0.0-360.0: 30.0
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 Temperature: 23
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Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 Inspector:

Isocandela (rectangle)



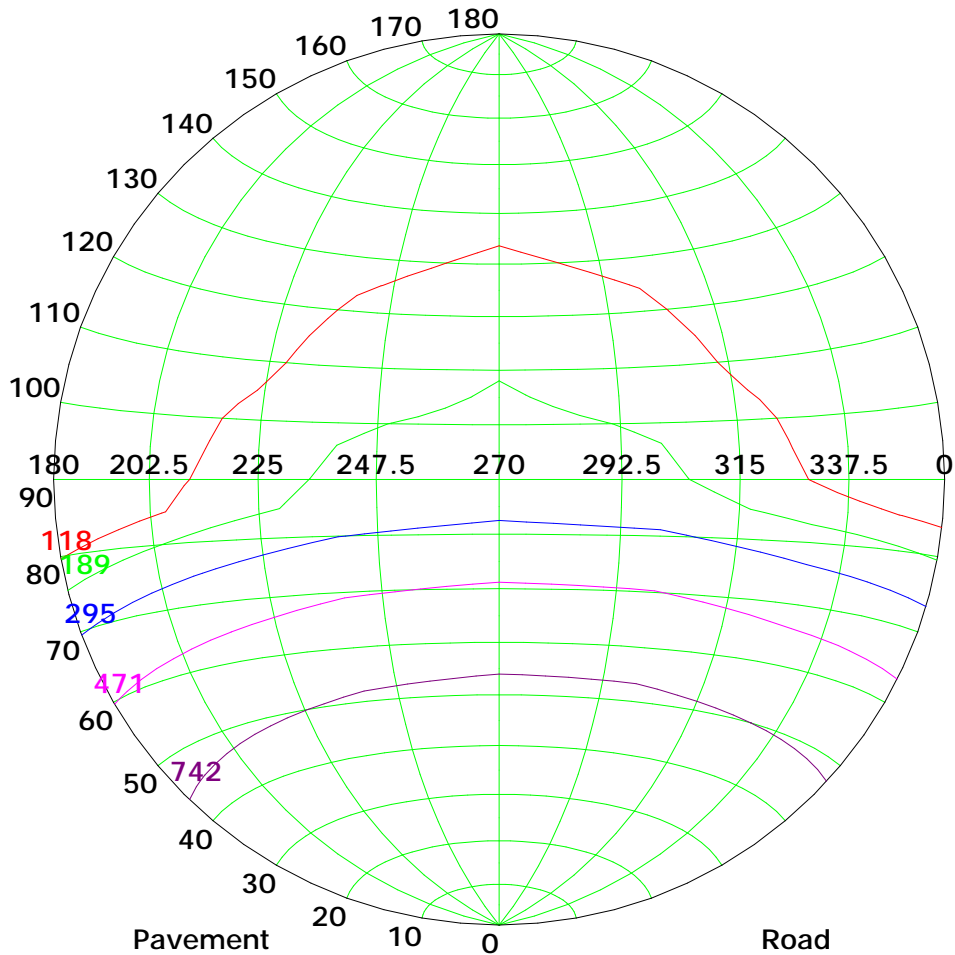
Imax (100%): 1178 cd

— (10%): 118 cd	— (16%): 189 cd
— (25%): 295 cd	— (40%): 471 cd
— (63%): 742 cd	— (100%): 1178 cd

C Plane (°):0.0-360.0: 30.0
 Test Lab: 105
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 Inspector:

Isocandela (sphere)



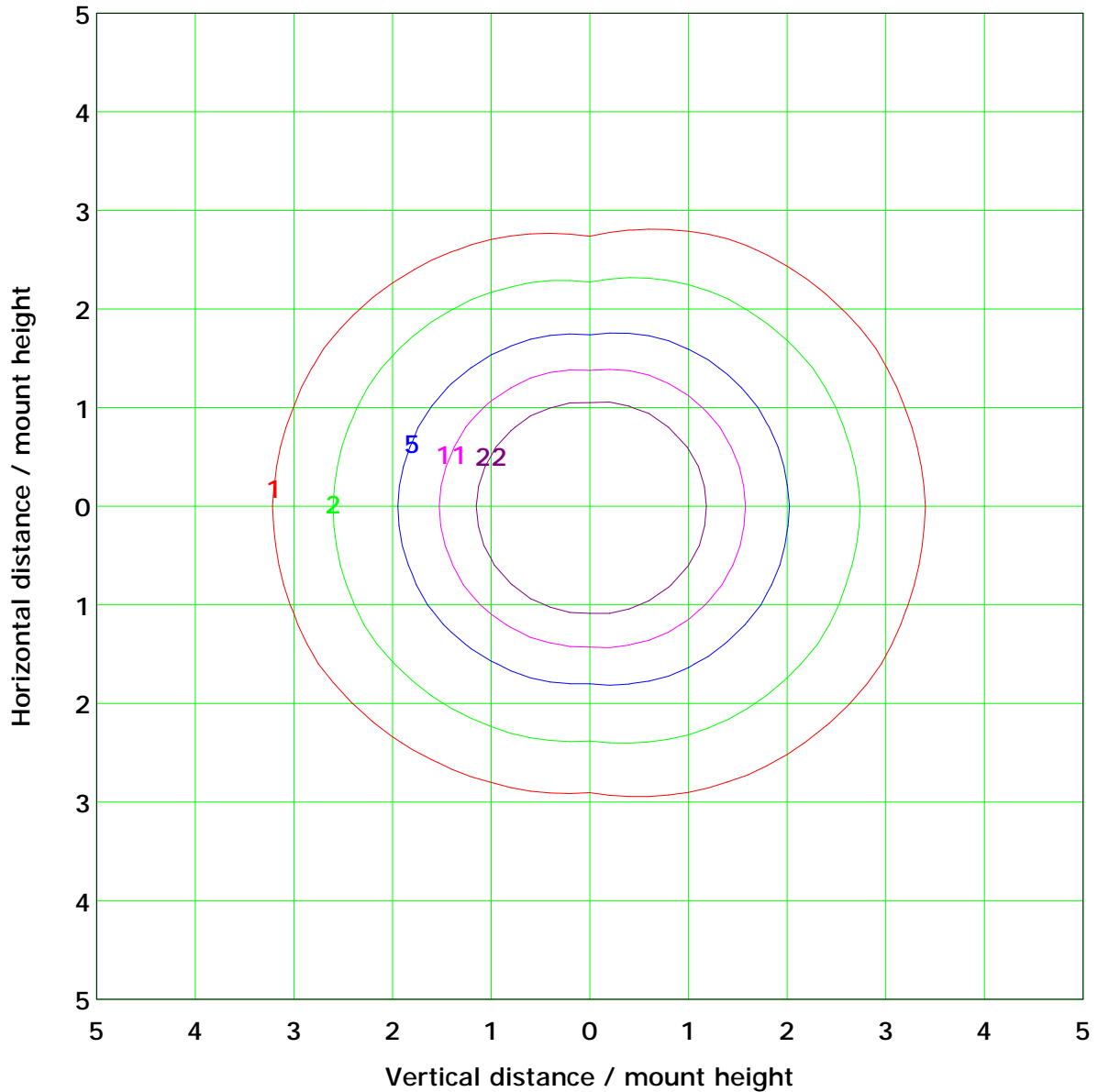
Imax (100%): 1178 cd

— (10%): 118 cd	— (16%): 189 cd
— (25%): 295 cd	— (40%): 471 cd
— (63%): 742 cd	— (100%): 1178 cd

C Plane (°):0.0-360.0: 30.0
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Test Type: TYPE C
Temperature: 23
Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.690 m
Humidity: 88
Inspector:

IsoLux Plot



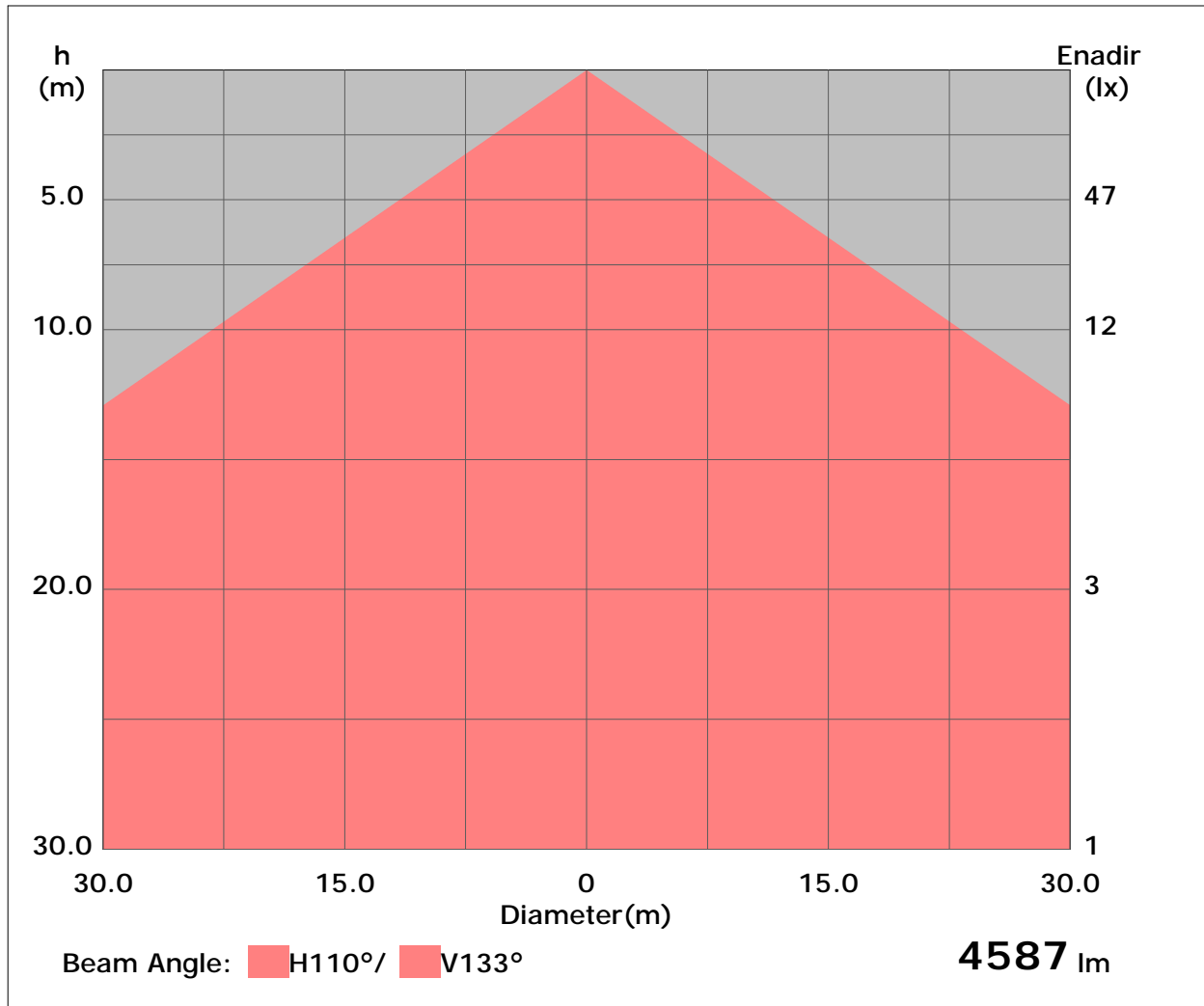
Mounting Height: 3.3m Max Lux(100%): 107.7 lx

(1%): 1.1 lx	(2%): 2.2 lx
(5%): 5.4 lx	(10%): 10.8 lx
(20%): 21.5 lx	

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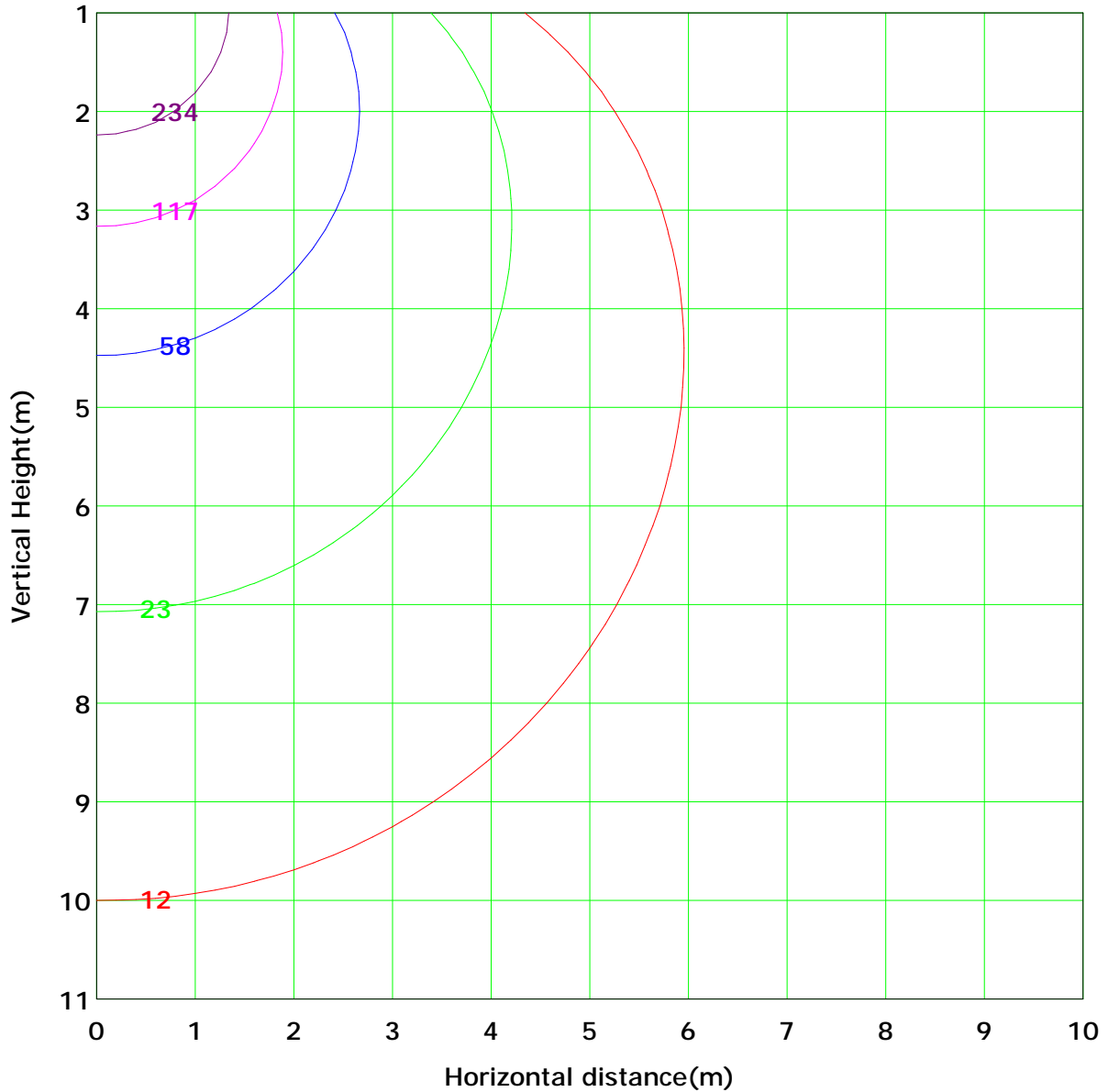
Illuminance at a Distance



C Plane (°):0.0-360.0: 30.0
 Test Lab: 105
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1169.1 lx
 (1%): 11.7 lx (2%): 23.4 lx
 (5%): 58.5 lx (10%): 116.9 lx
 (20%): 233.8 lx

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Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 Inspector:

Area Flux Table

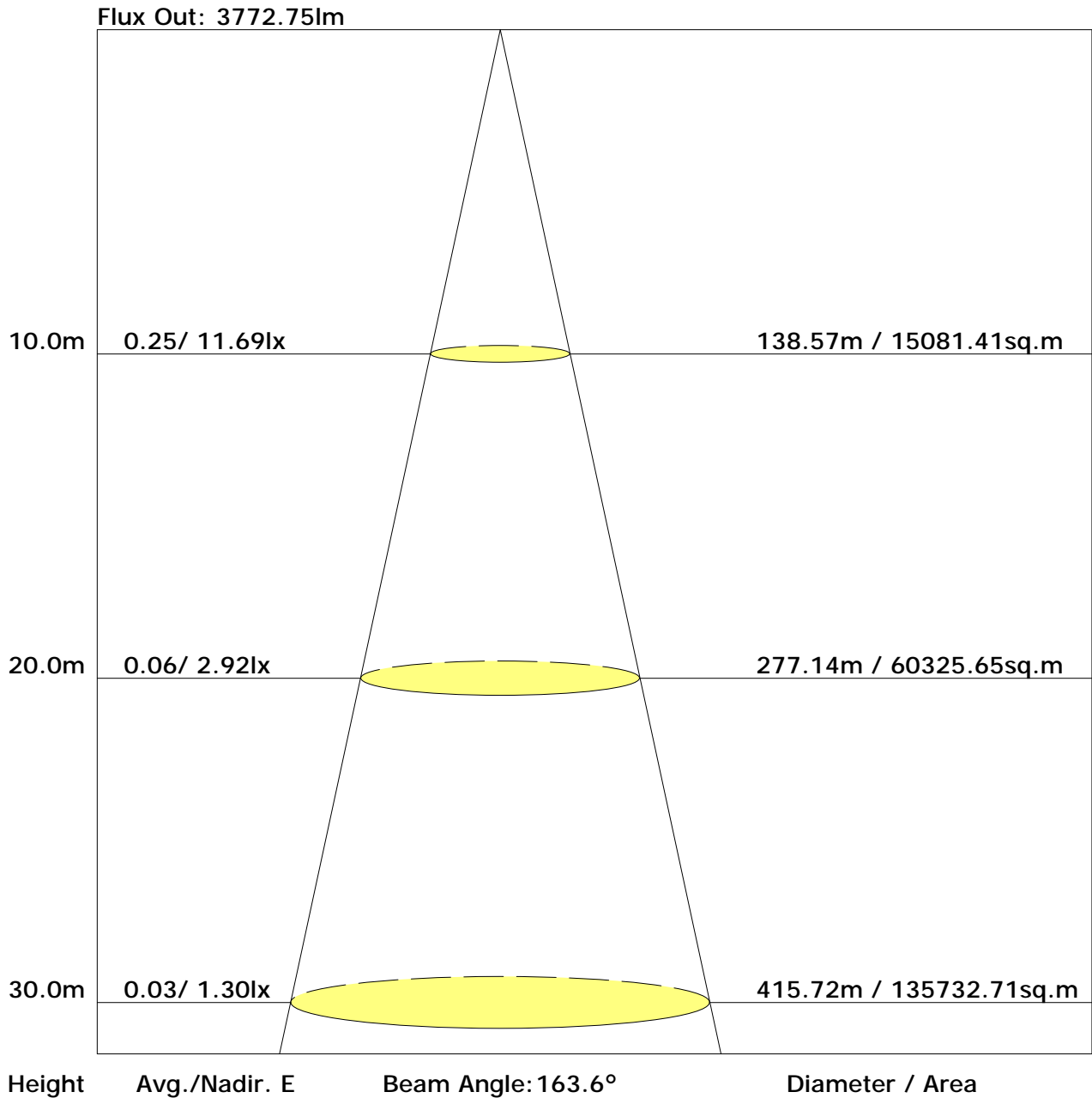
Unit: lm

		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)	0.0	2.6	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	2.4	3941
0.0	2.6	18.7	22.5	64.2	129.9	206.1	286.5	360.2	415.9	448.4	450.6	422.7	370.7	299.0	219.2	142.4	76.0	27.8	2.4		3955	3941
0.1	0.6	0.6	1.6	3.1	4.5	7.0	9.7	12.1	13.8	14.9	15.1	14.2	12.7	10.4	7.7	5.1	2.9	1.1	0.2		93.6	91.6
0.1	1.0	1.0	3.1	5.9	9.2	12.7	15.8	18.0	19.5	19.6	18.4	16.4	13.4	9.9	6.6	3.6	3.6	1.4	0.2		175.0	174.4
0.1	1.3	1.3	3.7	7.2	11.3	15.4	19.3	22.1	23.8	23.9	22.5	19.9	16.1	12.0	7.9	4.3	4.3	1.7	0.3		212.9	212.5
0.2	1.5	1.5	4.3	8.3	13.0	17.9	22.4	25.8	27.7	27.8	26.2	23.0	18.6	13.8	9.0	4.9	4.9	1.9	0.3		246.6	246.2
0.2	1.6	1.6	4.7	9.2	14.5	19.9	25.0	28.8	31.0	31.1	29.2	25.6	20.6	15.2	9.9	5.4	5.4	2.1	0.3		274.3	274.0
0.2	1.7	1.7	5.0	9.7	15.5	21.4	26.9	31.1	33.4	33.5	31.5	27.4	22.1	16.3	10.6	5.7	5.7	2.2	0.3		294.5	294.2
0.2	1.7	1.7	5.0	9.9	15.9	22.2	28.0	32.4	34.8	34.9	32.7	28.5	23.0	17.0	10.9	5.8	5.8	2.2	0.3		305.7	305.4
0.2	1.7	1.7	5.0	9.8	15.8	22.1	28.1	32.7	35.3	35.4	33.2	28.8	23.1	16.9	10.8	5.8	5.8	2.2	0.3		307.1	306.9
0.2	1.7	1.7	4.9	9.7	15.6	21.9	27.6	32.1	34.7	34.9	32.6	28.3	22.7	16.6	10.7	5.7	5.7	2.2	0.3		302.5	302.2
0.2	1.6	1.6	4.7	9.3	14.9	20.8	26.2	30.5	32.8	33.0	30.9	26.9	21.5	15.7	10.1	5.4	5.4	2.1	0.3		287.0	286.7
0.2	1.5	1.5	4.3	8.6	13.6	19.0	23.9	27.7	29.9	30.0	28.2	24.6	19.7	14.4	9.3	5.0	5.0	1.9	0.3		262.0	261.7
0.1	1.3	1.3	3.8	7.5	12.0	16.7	21.0	24.2	26.1	26.2	24.6	21.6	17.3	12.6	8.2	4.4	4.4	1.7	0.3		229.6	229.2
0.1	1.1	1.1	3.2	6.3	10.0	13.9	17.5	20.2	21.7	21.9	20.5	18.1	14.6	10.6	6.9	3.7	3.7	1.5	0.2		192.0	191.4
0.1	0.8	0.8	2.5	4.9	7.8	10.9	13.8	15.8	17.1	17.2	16.1	14.3	11.5	8.4	5.4	3.0	3.0	1.2	0.2		150.8	149.9
0.1	0.6	0.6	1.7	3.4	5.5	7.8	9.8	11.3	12.2	12.3	11.6	10.3	8.3	6.0	3.9	2.5	2.5	0.9	0.2		107.9	106.2
0.1	0.5	0.5	1.3	2.4	3.7	5.2	6.4	7.3	7.9	8.0	7.5	6.6	5.4	3.9	2.5	1.4	1.4	0.6	0.1		71.1	67.4

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 Inspector:

The Average Illuminance Effective Figure



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UGR Table

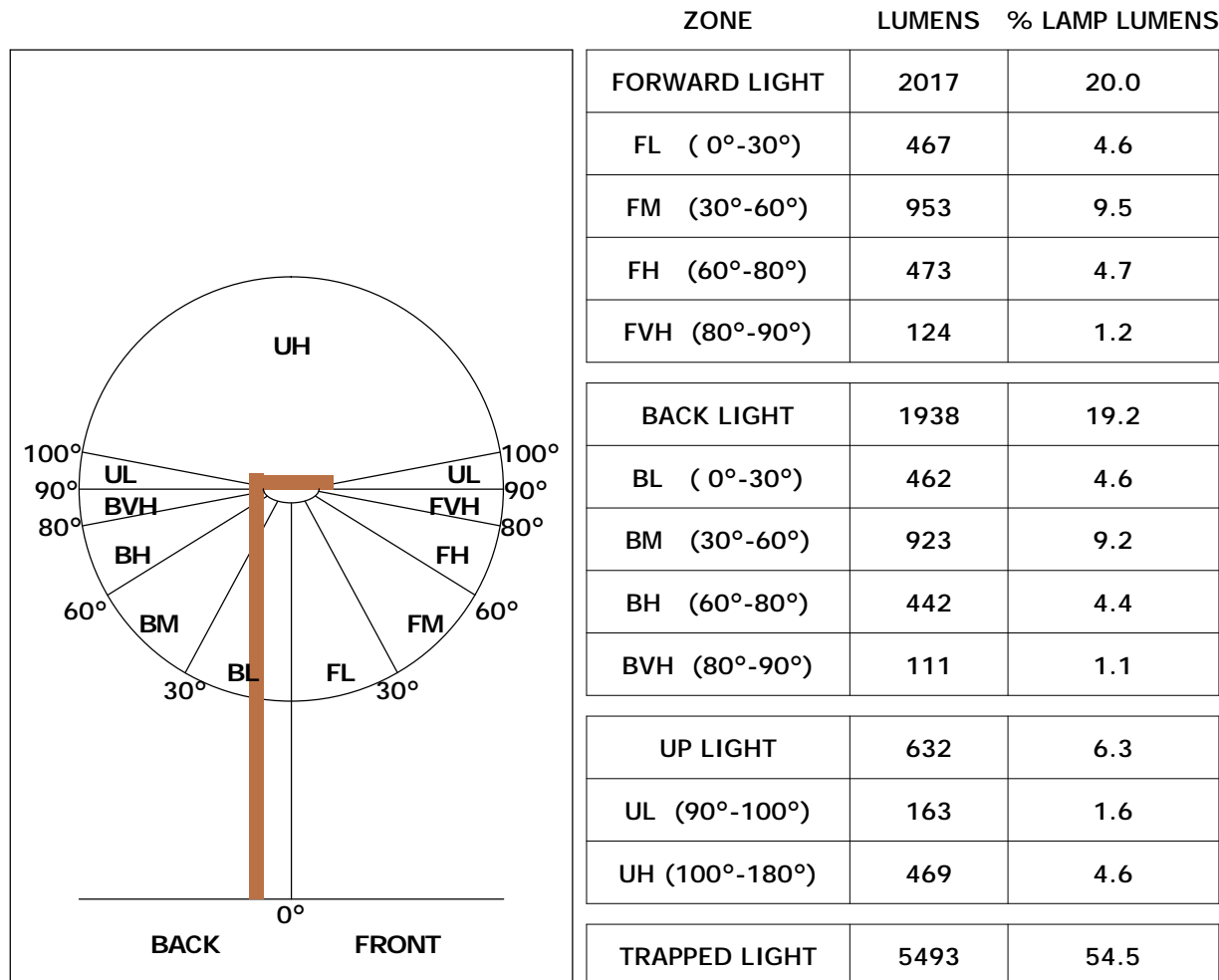
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	9.9	11.3	10.4	11.8	12.5	9.3	10.7	9.8	11.3	11.9
3H	11.8	13.1	12.4	13.7	14.3	11.2	12.5	11.8	13.1	13.8
4H	12.6	13.8	13.2	14.4	15.1	12.1	13.3	12.7	13.9	14.6
6H	13.2	14.3	13.8	14.9	15.6	12.8	13.9	13.4	14.5	15.2
8H	13.4	14.5	14.0	15.1	15.8	13.1	14.2	13.7	14.8	15.5
12H	13.6	14.6	14.2	15.3	16.0	13.4	14.5	14.0	15.1	15.8
X=4H Y=2H	10.3	11.5	10.9	12.1	12.8	9.9	11.1	10.5	11.7	12.4
3H	12.4	13.5	13.1	14.1	14.8	12.1	13.1	12.7	13.8	14.5
4H	13.3	14.3	14.0	14.9	15.7	13.1	14.0	13.7	14.7	15.4
6H	14.1	14.9	14.7	15.6	16.4	14.0	14.8	14.6	15.5	16.2
8H	14.4	15.2	15.0	15.8	16.6	14.4	15.2	15.0	15.8	16.6
12H	14.6	15.3	15.3	16.0	16.8	14.7	15.5	15.4	16.1	16.9
X=8H Y=4H	13.6	14.4	14.3	15.1	15.8	13.4	14.2	14.1	14.9	15.6
6H	14.5	15.2	15.2	15.9	16.6	14.5	15.2	15.2	15.9	16.6
8H	14.9	15.5	15.6	16.2	17.0	15.0	15.6	15.7	16.3	17.1
12H	15.2	15.7	15.9	16.4	17.3	15.5	16.1	16.2	16.8	17.6
X=12H Y=4H	13.7	14.4	14.3	15.1	15.8	13.5	14.2	14.1	14.9	15.6
6H	14.6	15.2	15.3	15.9	16.7	14.6	15.2	15.3	15.9	16.7
8H	15.0	15.6	15.7	16.3	17.1	15.2	15.7	15.9	16.4	17.3

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0
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 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

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 Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.50									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.24	0.28	0.31	0.33	0.36	0.39	0.40	0.42	0.44	
	0.30		0.20	0.24	0.27	0.30	0.33	0.36	0.38	0.40	0.42	
	0.20		0.18	0.21	0.25	0.27	0.31	0.34	0.36	0.38	0.40	
0.50	0.50	0.20	0.23	0.26	0.29	0.31	0.34	0.36	0.37	0.39	0.41	
	0.30		0.20	0.23	0.26	0.28	0.31	0.34	0.35	0.38	0.39	
	0.20		0.17	0.21	0.24	0.26	0.29	0.32	0.34	0.36	0.38	
0.30	0.50	0.20	0.21	0.24	0.27	0.29	0.32	0.34	0.35	0.37	0.38	
	0.30		0.19	0.22	0.25	0.27	0.30	0.32	0.33	0.35	0.37	
	0.20		0.17	0.20	0.23	0.25	0.28	0.30	0.32	0.34	0.36	
0.00	0.00	0.00	0.15	0.18	0.21	0.23	0.25	0.27	0.29	0.31	0.32	
Rating: 40W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.50								
Room Reflectance			Room Index(RI)								
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00
0.70	0.50	0.20	0.45	0.38	0.33	0.29	0.24	0.20	0.17	0.14	0.11
	0.30		0.37	0.33	0.29	0.26	0.21	0.18	0.16	0.13	0.11
	0.20		0.32	0.29	0.26	0.23	0.20	0.17	0.15	0.12	0.10
0.50	0.50	0.20	0.42	0.36	0.31	0.27	0.22	0.20	0.16	0.13	0.11
	0.30		0.35	0.31	0.27	0.24	0.20	0.17	0.15	0.12	0.10
	0.20		0.31	0.28	0.24	0.22	0.19	0.16	0.14	0.12	0.10
0.30	0.50	0.20	0.39	0.34	0.29	0.25	0.21	0.17	0.15	0.12	0.10
	0.30		0.34	0.30	0.26	0.23	0.19	0.16	0.14	0.11	0.10
	0.20		0.29	0.26	0.23	0.21	0.18	0.15	0.13	0.11	0.09
0.00	0.00	0.00	0.24	0.21	0.19	0.17	0.14	0.12	0.11	0.09	0.07
<p>Rating: 40W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.50									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.13	0.14	0.15	0.15	0.15	0.15	0.16	0.16	0.16	
	0.30		0.10	0.11	0.12	0.12	0.13	0.13	0.14	0.14	0.15	
	0.20		0.08	0.09	0.09	0.10	0.11	0.12	0.12	0.13	0.13	
0.50	0.50	0.20	0.13	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.15	
	0.30		0.10	0.11	0.11	0.12	0.12	0.13	0.13	0.14	0.14	
	0.20		0.08	0.09	0.09	0.10	0.11	0.11	0.12	0.12	0.13	
0.30	0.50	0.20	0.13	0.13	0.13	0.14	0.14	0.14	0.14	0.15	0.15	
	0.30		0.10	0.11	0.11	0.12	0.12	0.13	0.13	0.13	0.14	
	0.20		0.08	0.09	0.09	0.10	0.10	0.11	0.11	0.12	0.13	
0.00	0.00	0.00	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	0.06	
<p>Rating: 40W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1170.3	1.1	1.1	0.01	0.01
1.0-2.0	1170.2	3.4	4.5	0.03	0.04
2.0-3.0	1169.9	5.6	10.1	0.06	0.10
3.0-4.0	1169.4	7.8	17.9	0.08	0.18
4.0-5.0	1168.7	10.1	28.0	0.10	0.28
5.0-6.0	1167.8	12.3	40.2	0.12	0.40
6.0-7.0	1166.6	14.5	54.7	0.14	0.54
7.0-8.0	1165.2	16.7	71.4	0.17	0.71
8.0-9.0	1163.3	18.9	90.3	0.19	0.90
9.0-10.0	1161.2	21.0	111.3	0.21	1.10
10.0-11.0	1158.6	23.2	134.4	0.23	1.33
11.0-12.0	1155.5	25.3	159.7	0.25	1.58
12.0-13.0	1152.1	27.3	187.0	0.27	1.86
13.0-14.0	1148.2	29.4	216.4	0.29	2.15
14.0-15.0	1144.0	31.4	247.8	0.31	2.46
15.0-16.0	1139.3	33.4	281.2	0.33	2.79
16.0-17.0	1134.2	35.3	316.5	0.35	3.14
17.0-18.0	1128.6	37.2	353.8	0.37	3.51
18.0-19.0	1122.7	39.1	392.8	0.39	3.90
19.0-20.0	1116.4	40.9	433.7	0.41	4.30
20.0-21.0	1109.6	42.6	476.3	0.42	4.73
21.0-22.0	1102.5	44.3	520.6	0.44	5.16
22.0-23.0	1095.0	46.0	566.6	0.46	5.62
23.0-24.0	1087.0	47.5	614.1	0.47	6.09
24.0-25.0	1078.8	49.1	663.2	0.49	6.58
25.0-26.0	1070.1	50.5	713.7	0.50	7.08
26.0-27.0	1061.1	51.9	765.6	0.52	7.60
27.0-28.0	1051.7	53.3	818.9	0.53	8.12
28.0-29.0	1042.0	54.5	873.4	0.54	8.66
29.0-30.0	1031.9	55.7	929.1	0.55	9.22
30.0-31.0	1021.6	56.9	986.0	0.56	9.78
31.0-32.0	1010.9	57.9	1043.9	0.57	10.36
32.0-33.0	999.9	58.9	1102.8	0.58	10.94
33.0-34.0	988.7	59.8	1162.6	0.59	11.53
34.0-35.0	977.1	60.7	1223.3	0.60	12.14
35.0-36.0	965.3	61.5	1284.8	0.61	12.75

C Plane (°):0.0-360.0: 30.0
 Test Lab: 105
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 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	953.2	62.2	1347.0	0.62	13.36
37.0-38.0	940.8	62.8	1409.8	0.62	13.99
38.0-39.0	928.2	63.4	1473.1	0.63	14.61
39.0-40.0	915.4	63.9	1537.0	0.63	15.25
40.0-41.0	902.3	64.3	1601.3	0.64	15.89
41.0-42.0	888.9	64.6	1665.8	0.64	16.53
42.0-43.0	875.5	64.9	1730.7	0.64	17.17
43.0-44.0	861.9	65.1	1795.8	0.65	17.82
44.0-45.0	847.9	65.2	1860.9	0.65	18.46
45.0-46.0	833.8	65.2	1926.2	0.65	19.11
46.0-47.0	819.5	65.2	1991.3	0.65	19.76
47.0-48.0	805.0	65.1	2056.4	0.65	20.40
48.0-49.0	790.3	64.9	2121.3	0.64	21.04
49.0-50.0	775.6	64.7	2186.0	0.64	21.69
50.0-51.0	760.6	64.4	2250.4	0.64	22.33
51.0-52.0	745.6	64.0	2314.4	0.63	22.96
52.0-53.0	730.4	63.5	2377.9	0.63	23.59
53.0-54.0	715.0	63.0	2440.9	0.63	24.22
54.0-55.0	699.5	62.4	2503.4	0.62	24.84
55.0-56.0	684.0	61.8	2565.2	0.61	25.45
56.0-57.0	668.3	61.1	2626.3	0.61	26.05
57.0-58.0	652.5	60.3	2686.7	0.60	26.65
58.0-59.0	636.6	59.5	2746.2	0.59	27.24
59.0-60.0	620.7	58.6	2804.8	0.58	27.83
60.0-61.0	604.7	57.7	2862.5	0.57	28.40
61.0-62.0	588.6	56.7	2919.3	0.56	28.96
62.0-63.0	572.5	55.7	2975.0	0.55	29.51
63.0-64.0	556.3	54.6	3029.6	0.54	30.06
64.0-65.0	540.0	53.4	3083.0	0.53	30.59
65.0-66.0	523.6	52.2	3135.3	0.52	31.10
66.0-67.0	507.3	51.0	3186.3	0.51	31.61
67.0-68.0	490.9	49.7	3236.0	0.49	32.10
68.0-69.0	474.6	48.4	3284.4	0.48	32.58
69.0-70.0	458.3	47.1	3331.5	0.47	33.05
70.0-71.0	441.9	45.7	3377.2	0.45	33.50
71.0-72.0	425.4	44.2	3421.4	0.44	33.94

C Plane (°):0.0-360.0: 30.0
 Test Lab: 105
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 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	409.1	42.8	3464.2	0.42	34.37
73.0-74.0	392.6	41.3	3505.5	0.41	34.78
74.0-75.0	376.2	39.8	3545.2	0.39	35.17
75.0-76.0	359.9	38.2	3583.4	0.38	35.55
76.0-77.0	343.6	36.6	3620.1	0.36	35.91
77.0-78.0	327.3	35.0	3655.1	0.35	36.26
78.0-79.0	311.1	33.4	3688.5	0.33	36.59
79.0-80.0	295.0	31.8	3720.4	0.32	36.91
80.0-81.0	278.9	30.2	3750.5	0.30	37.21
81.0-82.0	262.9	28.5	3779.0	0.28	37.49
82.0-83.0	247.1	26.9	3805.9	0.27	37.76
83.0-84.0	231.7	25.2	3831.1	0.25	38.01
84.0-85.0	216.8	23.7	3854.8	0.23	38.24
85.0-86.0	203.0	22.2	3877.0	0.22	38.46
86.0-87.0	191.2	20.9	3897.9	0.21	38.67
87.0-88.0	181.3	19.9	3917.8	0.20	38.87
88.0-89.0	172.9	19.0	3936.7	0.19	39.06
89.0-90.0	165.6	18.2	3954.9	0.18	39.24
90.0-91.0	159.8	17.5	3972.4	0.17	39.41
91.0-92.0	155.8	17.1	3989.5	0.17	39.58
92.0-93.0	153.3	16.8	4006.3	0.17	39.75
93.0-94.0	151.5	16.6	4022.9	0.16	39.91
94.0-95.0	149.8	16.4	4039.2	0.16	40.07
95.0-96.0	148.1	16.2	4055.4	0.16	40.23
96.0-97.0	146.5	16.0	4071.4	0.16	40.39
97.0-98.0	144.8	15.7	4087.1	0.16	40.55
98.0-99.0	143.3	15.5	4102.7	0.15	40.70
99.0-100.0	141.7	15.3	4118.0	0.15	40.85
100.0-101.0	140.1	15.1	4133.1	0.15	41.00
101.0-102.0	138.3	14.9	4148.0	0.15	41.15
102.0-103.0	136.0	14.6	4162.5	0.14	41.29
103.0-104.0	133.6	14.2	4176.8	0.14	41.44
104.0-105.0	131.4	13.9	4190.7	0.14	41.57
105.0-106.0	129.1	13.6	4204.3	0.14	41.71
106.0-107.0	126.5	13.3	4217.6	0.13	41.84
107.0-108.0	123.8	12.9	4230.6	0.13	41.97

C Plane (°):0.0-360.0: 30.0
 Test Lab: 105
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 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	121.2	12.6	4243.2	0.13	42.10
109.0-110.0	119.0	12.3	4255.5	0.12	42.22
110.0-111.0	117.1	12.0	4267.5	0.12	42.34
111.0-112.0	115.4	11.8	4279.3	0.12	42.45
112.0-113.0	113.9	11.5	4290.8	0.11	42.57
113.0-114.0	112.4	11.3	4302.1	0.11	42.68
114.0-115.0	111.0	11.1	4313.2	0.11	42.79
115.0-116.0	109.6	10.8	4324.1	0.11	42.90
116.0-117.0	108.2	10.6	4334.7	0.11	43.00
117.0-118.0	106.7	10.4	4345.1	0.10	43.11
118.0-119.0	105.3	10.1	4355.2	0.10	43.21
119.0-120.0	103.8	9.9	4365.1	0.10	43.30
120.0-121.0	102.3	9.7	4374.8	0.10	43.40
121.0-122.0	100.9	9.4	4384.2	0.09	43.49
122.0-123.0	99.4	9.2	4393.4	0.09	43.59
123.0-124.0	97.9	8.9	4402.4	0.09	43.67
124.0-125.0	96.3	8.7	4411.1	0.09	43.76
125.0-126.0	94.8	8.5	4419.5	0.08	43.84
126.0-127.0	93.3	8.2	4427.7	0.08	43.93
127.0-128.0	91.7	8.0	4435.7	0.08	44.01
128.0-129.0	90.0	7.7	4443.4	0.08	44.08
129.0-130.0	88.4	7.5	4450.9	0.07	44.16
130.0-131.0	86.8	7.2	4458.2	0.07	44.23
131.0-132.0	85.1	7.0	4465.1	0.07	44.30
132.0-133.0	83.5	6.7	4471.9	0.07	44.36
133.0-134.0	81.8	6.5	4478.4	0.06	44.43
134.0-135.0	80.1	6.3	4484.7	0.06	44.49
135.0-136.0	78.3	6.0	4490.7	0.06	44.55
136.0-137.0	76.7	5.8	4496.5	0.06	44.61
137.0-138.0	75.1	5.6	4502.0	0.06	44.66
138.0-139.0	73.6	5.3	4507.4	0.05	44.72
139.0-140.0	72.1	5.1	4512.5	0.05	44.77
140.0-141.0	70.5	4.9	4517.4	0.05	44.82
141.0-142.0	69.0	4.7	4522.2	0.05	44.86
142.0-143.0	67.5	4.5	4526.7	0.04	44.91
143.0-144.0	66.0	4.3	4531.0	0.04	44.95

C Plane (°):0.0-360.0: 30.0
 Test Lab: 105
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 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	64.4	4.1	4535.1	0.04	44.99
145.0-146.0	62.9	3.9	4539.0	0.04	45.03
146.0-147.0	61.3	3.7	4542.7	0.04	45.07
147.0-148.0	59.7	3.5	4546.2	0.03	45.10
148.0-149.0	58.1	3.3	4549.5	0.03	45.13
149.0-150.0	56.5	3.1	4552.7	0.03	45.17
150.0-151.0	54.8	3.0	4555.6	0.03	45.19
151.0-152.0	53.1	2.8	4558.4	0.03	45.22
152.0-153.0	51.5	2.6	4561.0	0.03	45.25
153.0-154.0	49.9	2.4	4563.5	0.02	45.27
154.0-155.0	48.3	2.3	4565.7	0.02	45.30
155.0-156.0	46.8	2.1	4567.9	0.02	45.32
156.0-157.0	45.4	2.0	4569.9	0.02	45.34
157.0-158.0	43.9	1.8	4571.7	0.02	45.35
158.0-159.0	42.4	1.7	4573.4	0.02	45.37
159.0-160.0	41.0	1.6	4575.0	0.02	45.39
160.0-161.0	39.5	1.4	4576.4	0.01	45.40
161.0-162.0	38.1	1.3	4577.7	0.01	45.41
162.0-163.0	36.6	1.2	4579.0	0.01	45.43
163.0-164.0	35.1	1.1	4580.0	0.01	45.44
164.0-165.0	33.6	1.0	4581.0	0.01	45.45
165.0-166.0	32.2	0.9	4581.9	0.01	45.46
166.0-167.0	30.7	0.8	4582.7	0.01	45.46
167.0-168.0	29.3	0.7	4583.4	0.01	45.47
168.0-169.0	27.8	0.6	4584.0	0.01	45.48
169.0-170.0	26.4	0.5	4584.5	0.01	45.48
170.0-171.0	25.0	0.5	4585.0	0.00	45.49
171.0-172.0	23.6	0.4	4585.4	0.00	45.49
172.0-173.0	22.3	0.3	4585.7	0.00	45.49
173.0-174.0	21.1	0.3	4585.9	0.00	45.50
174.0-175.0	20.0	0.2	4586.2	0.00	45.50
175.0-176.0	19.2	0.2	4586.3	0.00	45.50
176.0-177.0	18.5	0.1	4586.4	0.00	45.50
177.0-178.0	18.1	0.1	4586.5	0.00	45.50
178.0-179.0	17.9	0.1	4586.6	0.00	45.50
179.0-180.0	17.8	0.0	4586.6	0.00	45.50

C Plane (°):0.0-360.0: 30.0
 Test Lab: 105
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 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	1169.1	1169.5	1170.4	1171.5	1171.5	1170.4	1169.1	1169.5	1170.4	1171.5
G1.0	1169.3	1168.9	1169.1	1169.9	1170.1	1169.1	1168.3	1169.7	1171.7	1173.2
G2.0	1169.5	1168.0	1168.1	1169.0	1168.9	1167.9	1166.9	1169.5	1172.7	1174.8
G3.0	1168.8	1166.7	1167.1	1168.1	1167.9	1166.3	1165.2	1169.1	1173.6	1176.2
G4.0	1167.8	1165.5	1166.0	1167.8	1167.4	1164.3	1162.9	1168.0	1173.9	1177.4
G5.0	1166.1	1163.7	1165.6	1168.1	1167.1	1162.3	1160.1	1166.8	1173.7	1178.1
G6.0	1164.1	1161.8	1165.1	1168.8	1166.9	1160.1	1156.7	1164.9	1173.3	1178.3
G7.0	1161.8	1159.5	1165.0	1169.2	1166.4	1157.7	1153.1	1162.7	1172.3	1178.0
G8.0	1158.9	1157.2	1164.9	1169.7	1165.8	1155.2	1149.1	1159.8	1170.9	1177.3
G9.0	1155.6	1154.4	1164.4	1170.0	1164.8	1151.9	1144.6	1156.7	1169.0	1176.1
G10.0	1152.0	1151.8	1163.8	1169.5	1163.7	1148.9	1139.4	1153.4	1166.8	1174.4
G11.0	1147.6	1148.8	1162.6	1168.9	1162.1	1145.2	1134.3	1149.2	1163.9	1172.5
G12.0	1142.8	1145.5	1161.4	1167.8	1159.9	1141.4	1128.0	1144.6	1160.7	1169.6
G13.0	1137.8	1142.1	1159.7	1166.2	1157.6	1136.9	1121.8	1139.8	1157.0	1166.7
G14.0	1132.6	1138.3	1157.4	1164.3	1154.7	1132.3	1114.9	1134.4	1152.8	1163.0
G15.0	1126.5	1134.2	1154.9	1162.0	1151.2	1127.3	1107.8	1128.9	1148.4	1159.2
G16.0	1120.1	1129.8	1151.8	1159.4	1147.8	1121.9	1100.0	1122.5	1143.0	1154.6
G17.0	1113.0	1124.7	1148.4	1156.1	1143.6	1116.0	1091.9	1115.8	1137.8	1149.8
G18.0	1105.8	1119.7	1144.7	1152.6	1139.1	1110.1	1083.3	1108.7	1131.7	1144.9
G19.0	1098.0	1113.9	1140.6	1148.4	1134.3	1103.1	1074.6	1101.4	1125.6	1139.4
G20.0	1089.9	1107.9	1135.7	1144.1	1129.1	1096.3	1065.1	1093.1	1119.0	1133.3
G21.0	1081.5	1101.7	1130.8	1139.1	1123.4	1088.8	1055.5	1085.2	1112.1	1126.9
G22.0	1072.4	1094.5	1125.4	1134.1	1117.2	1081.3	1045.1	1076.4	1104.9	1119.9
G23.0	1063.3	1087.4	1119.4	1128.4	1110.7	1072.9	1034.7	1067.4	1097.1	1112.8
G24.0	1053.6	1079.8	1113.3	1122.6	1103.9	1064.9	1023.8	1057.7	1089.3	1105.1
G25.0	1043.9	1072.1	1106.5	1116.3	1096.8	1055.6	1012.7	1048.0	1080.6	1096.8
G26.0	1033.1	1063.8	1099.9	1109.7	1089.1	1046.7	1000.7	1037.8	1071.5	1088.5
G27.0	1022.7	1055.0	1092.7	1102.7	1081.4	1037.2	988.9	1026.7	1062.1	1079.7
G28.0	1011.4	1045.8	1085.3	1095.4	1073.2	1027.3	976.7	1016.2	1052.6	1070.5
G29.0	1000.0	1036.7	1077.1	1087.6	1064.7	1017.1	964.0	1004.8	1042.8	1060.9
G30.0	988.3	1026.8	1068.6	1079.3	1056.0	1006.7	951.4	993.5	1032.4	1051.1
G31.0	976.4	1017.1	1060.2	1071.3	1046.8	996.1	937.9	981.3	1021.9	1041.1
G32.0	963.6	1006.2	1051.0	1062.8	1037.6	984.9	924.1	969.5	1010.7	1030.8
G33.0	951.5	996.0	1042.1	1053.8	1027.8	973.4	910.6	957.2	999.5	1019.7
G34.0	938.3	984.9	1032.6	1044.5	1017.6	961.6	897.2	944.9	988.0	1008.7
G35.0	925.6	974.0	1023.0	1035.0	1007.4	949.8	882.2	931.8	976.1	997.7
G36.0	911.7	962.2	1012.5	1025.3	997.3	937.9	867.8	918.5	964.0	986.3

C Plane (°):0.0-360.0: 30.0
 Test Lab: 105
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 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	897.8	950.6	1002.6	1015.3	985.8	924.9	852.8	905.0	951.5	974.1
G38.0	883.8	938.5	991.6	1004.9	974.6	912.1	838.0	891.5	938.8	961.8
G39.0	870.3	926.4	980.7	994.9	963.2	899.7	822.5	877.5	926.2	949.5
G40.0	855.5	914.0	969.9	983.7	951.9	886.5	807.7	863.0	913.2	937.3
G41.0	840.3	901.4	958.4	972.9	940.5	873.1	791.2	848.5	899.5	924.2
G42.0	825.4	888.3	946.6	961.9	928.3	859.3	775.7	833.7	886.6	911.3
G43.0	811.0	875.3	935.0	950.3	916.3	845.8	759.2	819.2	872.5	898.2
G44.0	795.9	861.6	923.0	938.4	904.1	831.7	743.7	804.0	858.8	885.2
G45.0	780.1	848.1	910.9	926.8	891.7	817.7	726.8	788.3	844.4	871.5
G46.0	764.0	834.1	898.1	914.3	878.7	803.3	710.0	773.4	830.3	857.7
G47.0	748.0	820.4	885.7	902.3	865.7	789.0	693.3	757.5	815.9	843.8
G48.0	732.2	805.8	872.8	889.5	852.4	773.7	676.8	742.0	801.5	829.7
G49.0	716.2	792.0	860.0	876.9	839.1	759.5	659.0	725.7	786.4	815.5
G50.0	699.9	777.1	846.7	864.1	825.5	744.3	642.6	709.3	771.9	801.5
G51.0	683.4	762.9	833.4	851.1	811.8	729.3	624.5	693.3	757.1	786.3
G52.0	666.3	747.9	820.4	837.7	798.2	714.1	607.5	677.3	741.8	771.9
G53.0	650.2	733.2	806.6	824.5	784.4	699.0	590.4	660.5	727.1	757.1
G54.0	633.2	717.9	792.3	810.4	769.8	683.8	572.6	644.1	711.4	742.3
G55.0	616.5	702.9	778.5	797.1	756.2	668.1	554.5	627.2	695.7	727.2
G56.0	599.3	687.4	764.4	783.2	741.9	652.3	537.5	610.5	680.5	712.0
G57.0	582.4	672.3	750.2	769.5	727.3	636.9	519.4	594.1	664.5	696.7
G58.0	564.6	656.6	735.3	755.2	712.6	621.1	501.1	576.8	649.3	681.4
G59.0	547.2	640.9	721.5	741.0	697.9	605.4	483.3	560.0	633.0	666.0
G60.0	530.1	625.2	706.8	726.5	683.0	589.1	465.7	543.3	617.4	650.7
G61.0	513.0	609.3	692.2	712.7	668.2	573.7	447.6	526.2	601.4	634.7
G62.0	495.2	593.5	677.6	697.5	652.8	557.5	430.4	509.2	585.3	618.9
G63.0	478.3	578.2	662.4	683.2	638.6	541.6	411.9	492.0	569.2	603.0
G64.0	460.4	561.9	647.2	668.4	623.1	525.2	394.2	475.3	552.9	587.4
G65.0	442.6	545.7	631.8	653.6	608.1	509.2	375.7	457.7	537.0	571.5
G66.0	425.2	529.7	616.9	638.6	592.6	492.7	358.1	441.1	520.5	555.2
G67.0	407.3	513.4	602.3	623.9	577.2	477.1	340.3	423.7	504.5	539.2
G68.0	389.3	496.9	587.0	608.4	561.8	460.3	322.3	407.1	487.5	523.6
G69.0	371.9	481.3	572.0	593.6	546.7	444.7	304.0	389.7	471.6	507.8
G70.0	354.6	465.1	556.1	578.4	531.5	428.3	286.1	373.0	455.6	490.9
G71.0	337.2	448.5	540.8	563.8	515.8	412.0	268.6	356.0	439.6	475.1
G72.0	319.4	432.5	525.2	548.5	500.4	395.5	250.4	338.5	422.8	458.9
G73.0	302.1	416.1	510.1	532.6	484.8	379.1	233.1	322.4	406.4	443.0

C Plane (°):0.0-360.0: 30.0
 Test Lab: 105
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 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	284.4	400.3	494.0	517.6	469.2	362.8	216.0	305.2	389.9	426.5
G75.0	266.6	383.7	478.4	501.7	453.6	346.9	198.1	288.9	373.9	411.1
G76.0	249.5	367.8	462.8	486.8	438.0	330.7	181.2	271.9	357.7	394.4
G77.0	232.3	351.3	447.2	471.5	422.9	314.3	163.9	255.1	341.3	378.6
G78.0	215.1	335.2	431.7	455.8	406.6	298.7	146.1	238.6	324.7	362.6
G79.0	197.7	319.2	416.2	440.6	391.5	282.5	129.8	222.7	309.0	347.0
G80.0	180.7	303.3	400.7	425.6	376.1	266.7	113.0	205.8	292.8	330.7
G81.0	163.8	287.4	385.2	409.6	360.6	250.9	96.7	189.8	277.3	314.9
G82.0	147.1	271.6	369.7	395.0	344.8	235.2	79.8	173.3	260.9	299.7
G83.0	130.4	255.9	354.0	379.5	329.2	219.3	64.1	158.1	246.6	284.9
G84.0	113.7	240.3	339.0	363.9	314.0	204.3	48.4	143.4	232.8	270.4
G85.0	97.5	224.1	323.3	348.4	298.4	188.8	34.5	131.2	221.5	258.3
G86.0	81.3	209.2	308.1	333.4	283.7	173.8	22.7	122.7	213.5	248.6
G87.0	66.0	193.7	292.4	318.5	268.6	159.0	16.0	120.1	210.8	244.4
G88.0	50.3	178.4	277.5	303.8	254.7	145.4	15.5	118.3	208.6	241.8
G89.0	36.5	163.7	263.0	289.6	240.9	133.7	15.4	116.5	206.3	239.4
G90.0	24.8	150.7	249.0	276.2	230.2	127.4	15.3	114.5	203.9	236.8
G91.0	18.3	139.3	237.3	265.3	223.5	125.5	15.3	112.5	201.5	234.3
G92.0	17.9	133.2	229.4	259.1	220.9	124.2	15.3	110.5	199.0	231.5
G93.0	17.9	131.4	226.1	256.0	218.6	122.9	15.3	108.7	196.5	228.8
G94.0	18.0	130.1	223.7	253.5	216.7	121.7	15.3	107.2	193.7	226.1
G95.0	18.0	128.8	221.5	251.0	214.6	120.4	15.3	105.7	191.1	223.2
G96.0	18.0	127.6	219.5	248.7	212.6	119.2	15.3	104.3	188.3	220.2
G97.0	18.1	126.4	217.4	246.5	210.6	117.8	15.4	102.9	185.7	217.3
G98.0	18.1	125.1	215.5	244.2	208.6	116.5	15.4	101.5	183.3	214.2
G99.0	18.2	123.9	213.4	241.9	206.6	115.1	15.4	100.1	181.2	211.4
G100.0	18.2	122.6	211.4	239.6	204.4	113.8	15.4	98.7	179.2	208.9
G101.0	18.3	121.2	209.3	237.1	202.2	112.4	15.4	97.3	176.8	206.4
G102.0	18.3	119.9	207.1	234.6	200.1	111.1	15.5	95.8	168.3	204.0
G103.0	18.4	118.5	204.9	232.1	197.8	109.8	15.6	94.4	161.2	201.5
G104.0	18.4	117.2	202.8	229.6	195.6	108.6	15.6	92.8	154.5	198.9
G105.0	18.5	115.9	200.4	227.0	192.9	107.4	15.7	90.3	151.4	196.5
G106.0	18.5	114.6	198.1	224.4	183.1	106.1	15.7	87.1	150.1	193.9
G107.0	18.6	113.4	190.7	221.8	174.9	104.9	15.7	83.9	148.6	191.3
G108.0	18.6	111.8	183.8	219.1	167.6	102.7	15.8	80.9	147.0	188.7
G109.0	18.6	109.0	177.5	216.1	164.4	99.5	15.9	78.7	145.3	186.1
G110.0	18.7	105.9	173.8	212.4	163.2	96.0	16.0	77.3	143.6	183.4

C Plane (°):0.0-360.0: 30.0
 Test Lab: 105
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 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	18.7	102.7	172.0	209.4	161.6	92.6	16.1	76.2	141.8	180.8
G112.0	18.7	100.0	170.1	206.6	160.0	90.0	16.2	75.2	140.0	178.1
G113.0	18.7	98.2	168.1	203.9	158.4	88.3	16.3	74.3	138.1	175.5
G114.0	18.8	97.1	166.1	201.1	156.7	87.2	16.3	73.4	136.3	172.8
G115.0	18.8	96.1	164.0	198.3	154.9	86.3	16.4	72.4	134.4	170.0
G116.0	18.8	95.2	161.9	195.5	153.0	85.6	16.4	71.4	132.4	167.3
G117.0	18.8	94.2	159.8	192.7	151.1	84.9	16.5	70.3	130.4	164.5
G118.0	18.7	93.3	157.7	189.8	149.4	84.3	16.5	69.3	128.4	161.7
G119.0	18.8	92.3	155.4	187.0	147.4	83.5	16.5	68.3	126.3	158.9
G120.0	18.8	91.3	153.3	184.0	145.6	82.8	16.6	67.2	124.2	156.1
G121.0	18.8	90.4	151.1	181.2	143.7	82.0	16.6	66.1	121.9	153.3
G122.0	18.8	89.4	149.0	178.3	141.7	81.2	16.6	65.2	119.9	150.6
G123.0	18.8	88.5	146.9	175.4	139.6	80.3	16.7	64.1	117.7	147.7
G124.0	18.8	87.5	144.7	172.6	137.6	79.4	16.7	63.1	115.6	144.9
G125.0	18.8	86.5	142.5	169.8	135.6	78.4	16.8	62.1	113.3	141.9
G126.0	18.8	85.4	140.3	166.9	133.5	77.5	16.8	61.0	111.3	139.2
G127.0	18.8	84.3	138.1	164.1	131.4	76.6	16.8	60.0	108.9	136.4
G128.0	18.7	83.3	135.9	161.1	129.2	75.6	16.8	58.7	106.8	133.5
G129.0	18.7	82.4	133.7	158.3	127.1	74.6	16.8	57.5	104.6	130.7
G130.0	18.7	81.3	131.4	155.4	124.9	73.6	16.8	56.5	102.5	127.9
G131.0	18.7	79.8	129.2	152.5	122.8	72.6	16.9	55.4	100.2	125.0
G132.0	18.6	77.9	126.9	149.6	120.7	71.6	16.9	54.4	98.0	122.3
G133.0	18.6	76.0	124.7	146.9	118.5	70.5	16.9	53.3	95.9	119.3
G134.0	18.5	74.0	122.5	143.9	116.4	69.5	17.0	52.0	93.7	116.6
G135.0	18.5	72.1	120.3	141.2	114.3	68.2	17.0	50.7	91.5	113.7
G136.0	18.5	70.1	117.9	138.2	112.0	67.0	17.0	49.6	89.5	111.0
G137.0	18.4	68.2	115.7	135.5	109.9	65.9	17.0	48.5	87.6	108.2
G138.0	18.4	66.2	113.5	132.7	107.8	64.8	17.1	47.5	85.7	105.4
G139.0	18.4	64.3	111.3	129.8	105.6	63.8	17.1	46.6	83.8	102.6
G140.0	18.3	62.5	109.0	127.0	103.4	62.8	17.1	45.7	81.9	99.9
G141.0	18.3	60.9	106.7	124.2	101.3	61.7	17.2	44.7	79.9	97.2
G142.0	18.2	59.6	104.4	121.5	99.1	60.6	17.2	43.8	78.1	94.5
G143.0	18.2	58.4	102.3	118.7	96.9	59.5	17.2	42.8	76.0	91.9
G144.0	18.3	57.3	100.1	115.9	95.0	58.2	17.2	41.8	74.0	89.3
G145.0	18.2	56.2	97.9	113.2	93.0	57.1	17.2	40.7	71.9	86.7
G146.0	18.2	55.1	95.8	110.3	91.0	55.7	17.3	39.7	70.0	84.0
G147.0	18.2	54.0	93.5	107.5	89.0	54.2	17.3	38.7	68.0	81.4

C Plane (°):0.0-360.0: 30.0
 Test Lab: 105
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 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	18.2	52.9	90.7	104.7	86.9	52.9	17.3	37.6	66.1	78.9
G149.0	18.3	51.6	87.5	102.0	84.8	51.7	17.3	36.5	64.1	76.3
G150.0	18.3	50.5	84.4	99.1	82.7	50.5	17.4	35.4	62.1	73.8
G151.0	18.2	49.8	81.3	96.4	80.5	49.3	17.4	34.3	60.1	71.1
G152.0	18.3	48.7	78.1	93.6	78.3	48.3	17.4	33.2	58.0	68.7
G153.0	18.3	47.7	74.9	90.8	76.2	47.1	17.5	32.1	55.8	66.3
G154.0	18.3	46.8	71.9	87.9	74.0	46.0	17.5	31.0	53.7	63.7
G155.0	18.3	46.3	68.9	85.2	72.0	44.9	17.5	29.8	51.7	61.1
G156.0	18.3	45.3	66.0	82.4	70.0	43.7	17.6	28.7	49.5	58.5
G157.0	18.3	44.3	63.5	79.6	67.9	42.6	17.6	27.5	47.4	56.0
G158.0	18.3	43.2	61.1	76.9	65.6	41.4	17.6	26.4	45.4	53.5
G159.0	18.3	42.2	58.9	74.1	63.3	40.2	17.6	25.3	43.3	51.1
G160.0	18.3	41.0	56.9	71.4	60.9	39.0	17.7	24.1	41.1	48.6
G161.0	18.4	39.6	54.9	68.7	58.6	37.8	17.7	23.0	39.0	46.1
G162.0	18.4	38.3	52.8	65.9	56.2	36.6	17.8	21.8	37.0	43.6
G163.0	18.4	36.8	50.8	63.0	54.0	35.3	17.8	20.7	34.9	41.3
G164.0	18.4	35.7	48.8	60.1	51.7	34.1	17.8	19.6	32.9	38.7
G165.0	18.4	34.6	46.8	57.3	49.4	32.9	17.8	18.6	30.9	36.4
G166.0	18.4	33.6	45.1	54.5	47.0	31.6	17.9	17.5	28.9	34.0
G167.0	18.4	32.5	42.8	51.8	44.8	30.4	17.9	16.5	26.8	31.7
G168.0	18.4	31.6	40.7	49.1	42.4	29.1	18.0	15.6	24.9	29.3
G169.0	18.5	30.6	38.3	46.3	40.2	27.8	18.0	14.9	23.0	27.0
G170.0	18.5	29.6	35.9	43.6	37.8	26.6	18.1	14.3	21.0	24.7
G171.0	18.5	28.5	33.3	41.0	35.6	25.4	18.1	13.9	19.2	22.2
G172.0	18.5	27.5	31.1	38.3	33.3	24.1	18.2	13.7	17.4	19.5
G173.0	18.5	26.4	29.2	35.6	31.0	22.9	18.4	13.8	15.6	18.2
G174.0	18.5	25.2	27.3	33.0	28.7	21.8	18.6	13.7	14.4	16.1
G175.0	18.5	24.0	25.6	30.5	26.4	20.7	18.7	13.9	13.7	14.6
G176.0	18.6	22.8	24.2	27.9	24.2	19.5	18.7	15.3	13.6	13.8
G177.0	18.7	21.7	22.6	25.3	22.0	18.4	18.7	16.4	13.8	13.7
G178.0	18.7	20.7	21.2	22.7	19.9	17.4	18.8	17.3	15.9	14.7
G179.0	18.8	19.8	19.8	20.3	18.2	16.5	18.8	18.1	17.2	16.5
G180.0	18.8	18.9	18.4	18.0	16.6	15.7	18.9	18.9	18.5	18.1

C Plane (°):0.0-360.0: 30.0
 Test Lab: 105
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	1171.5	1170.4	1169.1							
G1.0	1172.8	1171.3	1169.3							
G2.0	1174.4	1171.9	1169.5							
G3.0	1175.5	1172.0	1168.8							
G4.0	1176.6	1171.8	1167.8							
G5.0	1177.3	1171.2	1166.1							
G6.0	1177.2	1170.5	1164.1							
G7.0	1176.9	1169.2	1161.8							
G8.0	1176.0	1167.7	1158.9							
G9.0	1174.9	1165.5	1155.6							
G10.0	1173.2	1162.9	1152.0							
G11.0	1171.1	1159.8	1147.6							
G12.0	1168.6	1156.4	1142.8							
G13.0	1165.4	1152.4	1137.8							
G14.0	1161.8	1148.0	1132.6							
G15.0	1157.9	1143.0	1126.5							
G16.0	1153.4	1137.7	1120.1							
G17.0	1148.6	1132.1	1113.0							
G18.0	1143.2	1125.5	1105.8							
G19.0	1137.6	1119.1	1098.0							
G20.0	1131.3	1112.0	1089.9							
G21.0	1124.6	1104.4	1081.5							
G22.0	1118.0	1097.1	1072.4							
G23.0	1110.7	1088.2	1063.3							
G24.0	1102.7	1079.7	1053.6							
G25.0	1094.6	1070.4	1043.9							
G26.0	1085.9	1061.2	1033.1							
G27.0	1077.1	1051.1	1022.7							
G28.0	1067.9	1040.9	1011.4							
G29.0	1058.3	1030.1	1000.0							
G30.0	1048.5	1019.4	988.3							
G31.0	1037.8	1008.1	976.4							
G32.0	1027.4	996.5	963.6							
G33.0	1016.6	984.6	951.5							
G34.0	1005.2	972.3	938.3							
G35.0	993.4	959.8	925.6							
G36.0	981.9	946.8	911.7							

C Plane (°):0.0-360.0: 30.0
 Test Lab: 105
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	969.7	934.0	897.8							
G38.0	957.6	920.6	883.8							
G39.0	944.7	906.7	870.3							
G40.0	931.9	893.1	855.5							
G41.0	918.5	878.7	840.3							
G42.0	905.2	864.7	825.4							
G43.0	892.0	850.1	811.0							
G44.0	878.3	835.6	795.9							
G45.0	864.2	820.1	780.1							
G46.0	850.5	805.3	764.0							
G47.0	836.3	789.8	748.0							
G48.0	821.9	773.9	732.2							
G49.0	807.3	758.3	716.2							
G50.0	792.6	742.3	699.9							
G51.0	777.7	726.5	683.4							
G52.0	763.0	710.5	666.3							
G53.0	747.5	693.5	650.2							
G54.0	732.4	676.8	633.2							
G55.0	716.9	660.5	616.5							
G56.0	701.0	643.7	599.3							
G57.0	685.7	627.3	582.4							
G58.0	670.1	610.1	564.6							
G59.0	654.3	593.1	547.2							
G60.0	638.4	576.0	530.1							
G61.0	622.8	559.3	513.0							
G62.0	606.2	541.8	495.2							
G63.0	590.4	525.0	478.3							
G64.0	574.2	508.1	460.4							
G65.0	557.8	490.5	442.6							
G66.0	541.3	473.7	425.2							
G67.0	525.2	456.4	407.3							
G68.0	508.9	438.9	389.3							
G69.0	492.9	422.0	371.9							
G70.0	476.4	404.5	354.6							
G71.0	459.5	387.6	337.2							
G72.0	443.4	370.8	319.4							
G73.0	427.2	354.0	302.1							

C Plane (°):0.0-360.0: 30.0
 Test Lab: 105
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	410.3	336.2	284.4							
G75.0	393.9	319.5	266.6							
G76.0	377.4	302.3	249.5							
G77.0	361.3	285.8	232.3							
G78.0	344.5	269.0	215.1							
G79.0	328.5	252.1	197.7							
G80.0	311.8	235.2	180.7							
G81.0	295.9	219.2	163.8							
G82.0	279.8	201.5	147.1							
G83.0	264.2	185.8	130.4							
G84.0	248.9	169.7	113.7							
G85.0	234.5	154.1	97.5							
G86.0	221.8	139.6	81.3							
G87.0	212.7	127.1	66.0							
G88.0	208.9	118.9	50.3							
G89.0	206.4	116.3	36.5							
G90.0	204.1	114.4	24.8							
G91.0	201.8	112.6	18.3							
G92.0	199.3	110.7	17.9							
G93.0	196.9	108.8	17.9							
G94.0	194.3	106.9	18.0							
G95.0	191.8	105.6	18.0							
G96.0	189.1	104.3	18.0							
G97.0	186.5	103.1	18.1							
G98.0	184.0	101.8	18.1							
G99.0	181.9	100.5	18.2							
G100.0	179.8	99.3	18.2							
G101.0	177.7	98.0	18.3							
G102.0	175.4	96.7	18.3							
G103.0	167.5	95.4	18.4							
G104.0	161.3	94.0	18.4							
G105.0	155.5	92.3	18.5							
G106.0	152.9	89.6	18.5							
G107.0	151.4	86.4	18.6							
G108.0	149.9	83.6	18.6							
G109.0	148.2	80.9	18.6							
G110.0	146.5	79.2	18.7							

C Plane (°):0.0-360.0: 30.0
 Test Lab: 105
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\c	C300.0	C330.0	C360.0							
G111.0	144.7	78.2	18.7							
G112.0	142.8	77.3	18.7							
G113.0	140.9	76.6	18.7							
G114.0	139.0	75.7	18.8							
G115.0	137.0	74.9	18.8							
G116.0	135.0	74.1	18.8							
G117.0	132.9	73.2	18.8							
G118.0	130.9	72.3	18.7							
G119.0	128.8	71.3	18.8							
G120.0	126.8	70.3	18.8							
G121.0	124.7	69.2	18.8							
G122.0	122.5	68.2	18.8							
G123.0	120.4	67.2	18.8							
G124.0	118.2	66.2	18.8							
G125.0	116.1	65.1	18.8							
G126.0	113.9	64.1	18.8							
G127.0	111.7	62.6	18.8							
G128.0	109.5	60.9	18.7							
G129.0	107.3	58.9	18.7							
G130.0	105.1	57.0	18.7							
G131.0	102.9	55.3	18.7							
G132.0	100.7	53.7	18.6							
G133.0	98.5	52.6	18.6							
G134.0	96.3	50.9	18.5							
G135.0	94.1	48.8	18.5							
G136.0	92.0	47.0	18.5							
G137.0	89.8	46.4	18.4							
G138.0	87.8	45.5	18.4							
G139.0	85.8	44.7	18.4							
G140.0	83.9	44.0	18.3							
G141.0	81.5	43.3	18.3							
G142.0	79.3	42.6	18.2							
G143.0	76.8	41.8	18.2							
G144.0	74.3	41.0	18.3							
G145.0	71.4	40.2	18.2							
G146.0	68.4	39.4	18.2							
G147.0	65.7	38.5	18.2							

C Plane (°):0.0-360.0: 30.0
 Test Lab: 105
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	63.3	37.7	18.2							
G149.0	60.7	36.8	18.3							
G150.0	57.7	35.9	18.3							
G151.0	54.4	34.9	18.2							
G152.0	51.1	33.9	18.3							
G153.0	48.5	32.8	18.3							
G154.0	46.6	31.7	18.3							
G155.0	45.1	30.5	18.3							
G156.0	43.5	29.4	18.3							
G157.0	42.4	28.5	18.3							
G158.0	41.0	27.5	18.3							
G159.0	39.5	26.7	18.3							
G160.0	38.5	25.7	18.3							
G161.0	37.4	24.8	18.4							
G162.0	35.7	23.9	18.4							
G163.0	33.9	23.0	18.4							
G164.0	32.2	22.1	18.4							
G165.0	30.5	21.1	18.4							
G166.0	28.7	20.1	18.4							
G167.0	26.9	19.2	18.4							
G168.0	25.1	18.2	18.4							
G169.0	23.3	17.2	18.5							
G170.0	21.5	16.4	18.5							
G171.0	20.0	15.5	18.5							
G172.0	18.6	14.6	18.5							
G173.0	17.2	14.0	18.5							
G174.0	15.8	13.6	18.5							
G175.0	14.4	13.5	18.5							
G176.0	13.6	13.5	18.6							
G177.0	13.5	13.6	18.7							
G178.0	13.7	14.2	18.7							
G179.0	15.3	14.9	18.8							
G180.0	16.7	15.7	18.8							

C Plane (°):0.0-360.0: 30.0
 Test Lab: 105
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
 Inspector: