

Report No.: 20200529

Test Time: 2020-06-01 10:03

Luminaire Property

Luminaire Manufacturer:
Luminaire Category: NB
Luminaire Description: MX811D-LD20WDD-2FT
Lamp Catalog: 3500k
Lamp Description: SLE20-I400 120-277W DI
Number of Lamps: 144X2
Luminous Length (mm): 611
Luminous Height (mm): 105
Current: 0.185 A
Power Factor: 0.994

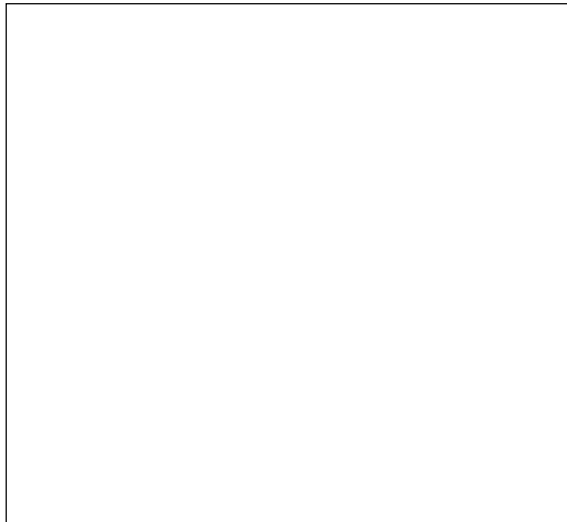
Lumens per Lamp: 30-34LM
Luminous Width (mm): 70
Voltage: 119.1 V
Power: 21.88 W

Photometric Results

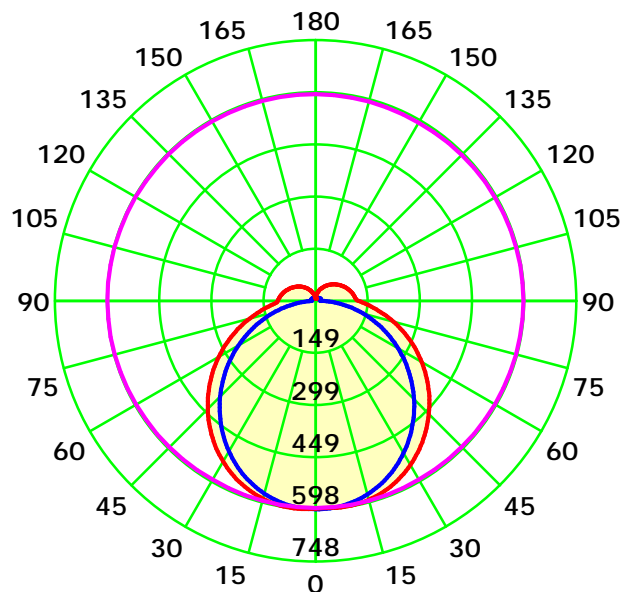
CIE Class: Semi-Direct
Measurement Flux: 2310.3 lm
Downward Ratio: 46.24%
Field Angle: H166.3 V274.8
Luminaire Efficacy Rating (LER): 106
Max. Intensity: 598.91 cd

Total Rated Lamp Lumens: 4320.0 lm
Efficiency: 53.48%
Upward Ratio: 7.24%
Beam Angle: H112.4 V129.5
Central Intensity: 598.39 cd
Pos of Max. Intensity: H270 V6

Picture Of Luminaire



Luminous Intensity Distribution Curve



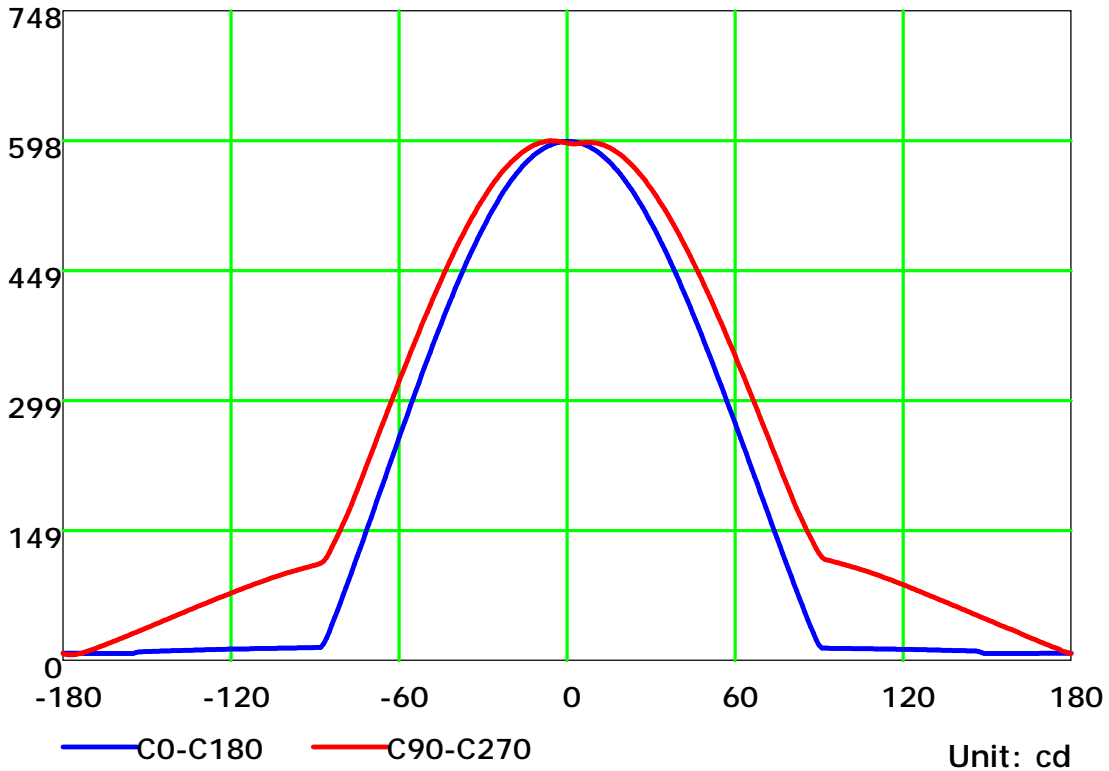
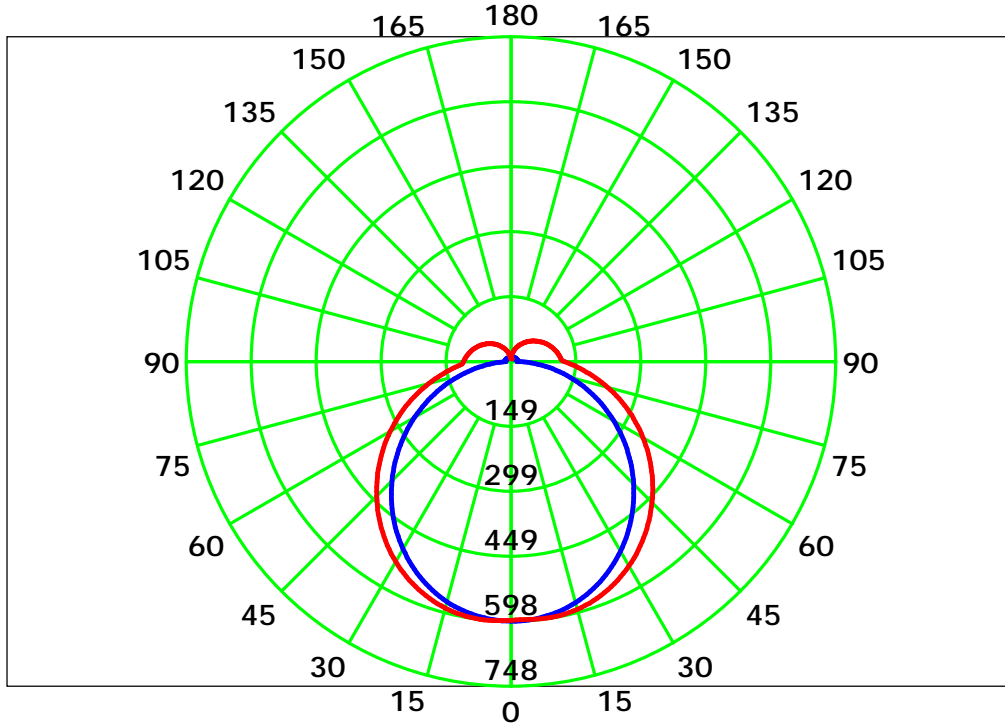
Average Diffuse Angle(50%): 121.0° Unit: cd

— C0-C180 — C90-C270 — G6

C Plane (°):0.0-360.0: 30.0
Test Lab: 80
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:

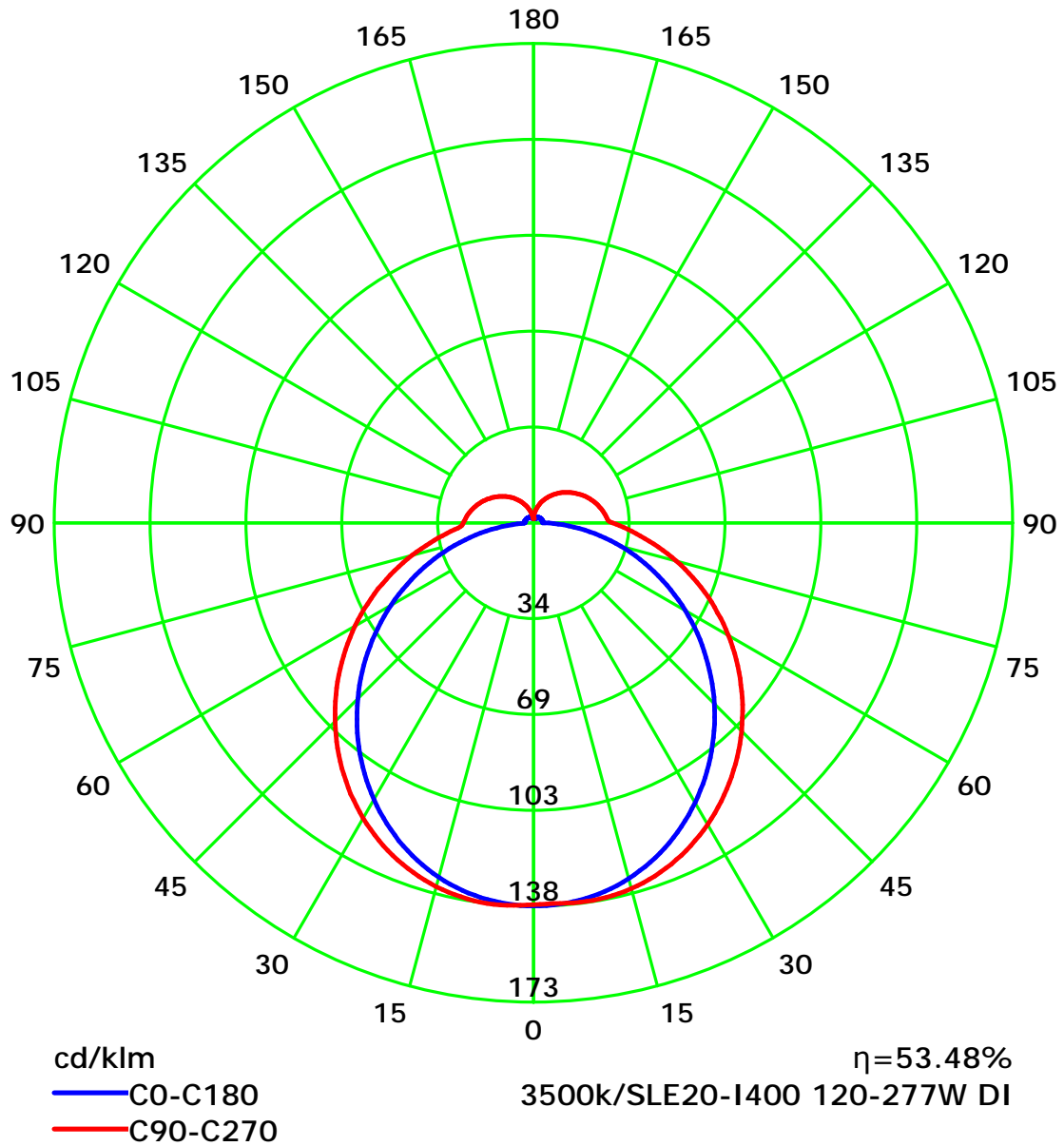
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 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)



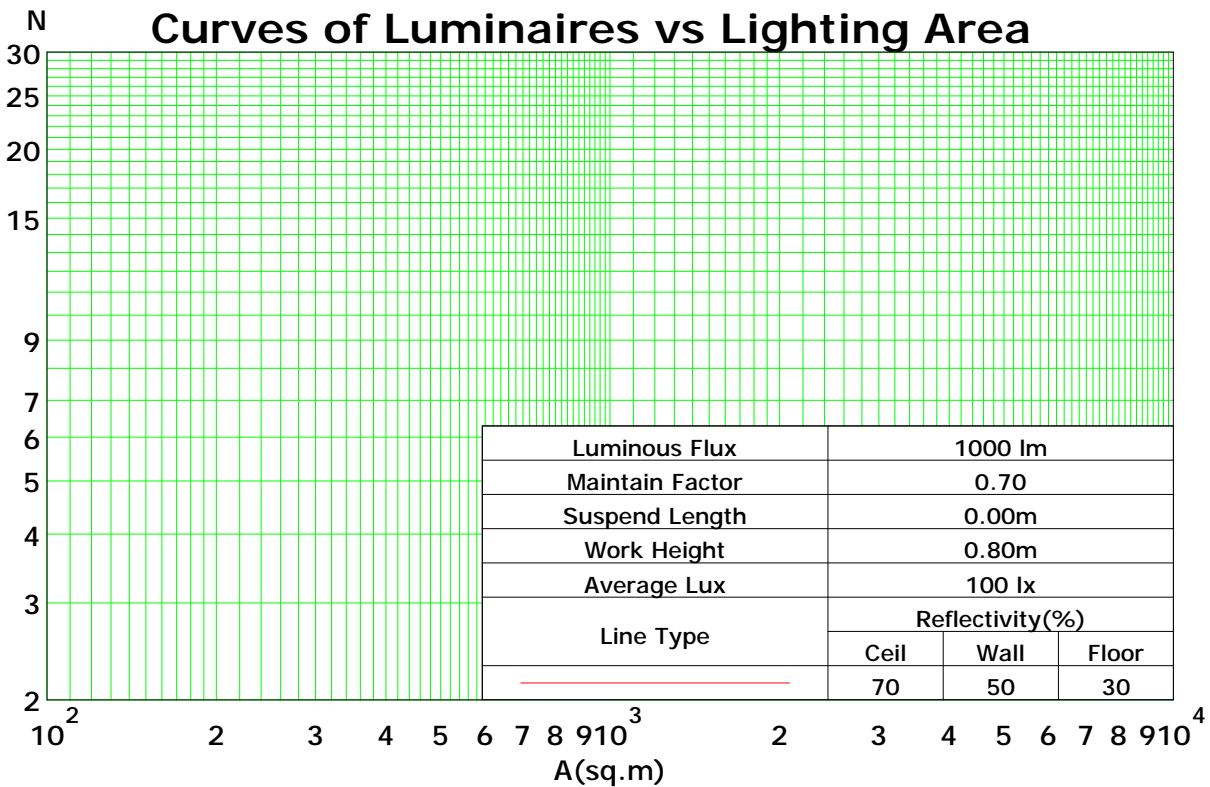
C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

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

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	62	62	62	62	60	60	60	60	55	55	55	51	51	51	48	48	48	46
1	56	53	50	48	53	51	48	46	47	45	43	44	42	41	41	40	38	37
2	50	45	41	38	48	44	40	37	41	38	35	38	35	33	35	33	31	30
3	46	40	35	31	44	38	34	31	35	32	29	33	30	28	31	28	26	25
4	42	35	30	26	40	34	29	26	31	28	25	29	26	23	27	25	22	21
5	38	31	26	22	36	30	25	22	28	24	21	26	23	20	24	22	19	18
6	35	28	23	19	34	27	22	19	25	21	18	24	20	18	22	19	17	16
7	32	25	20	17	31	24	20	17	23	19	16	21	18	15	20	17	15	14
8	30	23	18	15	29	22	18	15	21	17	14	20	16	14	18	15	13	12
9	28	21	16	13	27	20	16	13	19	15	13	18	15	12	17	14	12	11
10	26	19	15	12	25	19	15	12	18	14	12	17	13	11	16	13	11	10

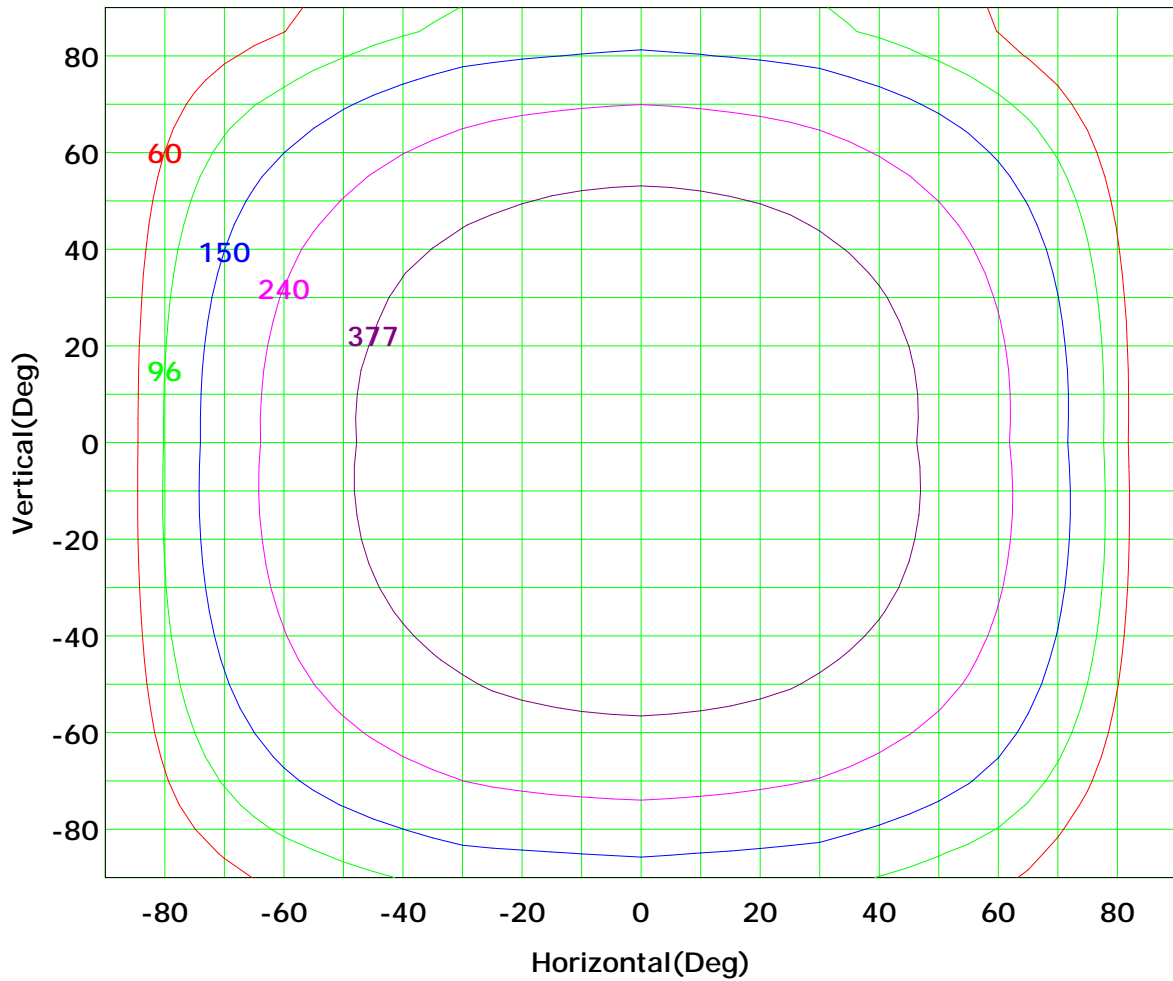
Spacing Criteria (0-180): 1.25
 Spacing Criteria (90-270): 1.34
 Spacing Criteria (Diagonal): 1.43



C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 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 (rectangle)



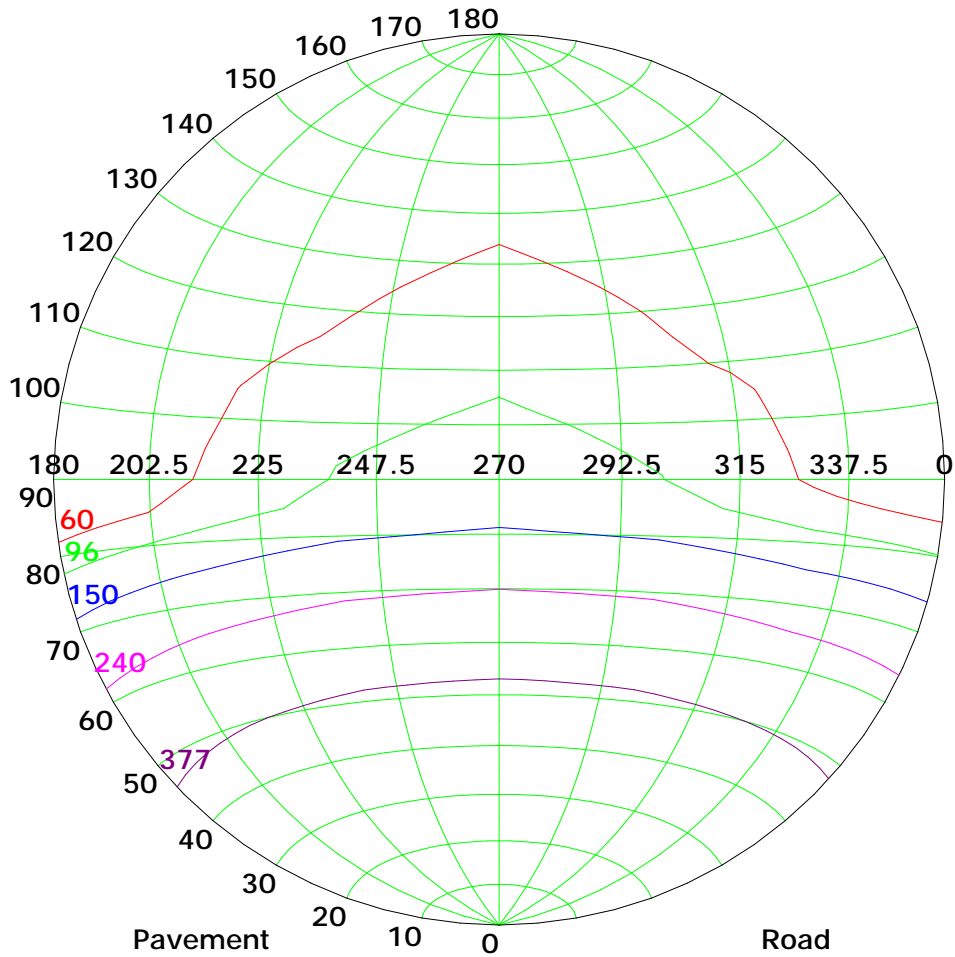
Imax (100%): 599 cd

— (10%):	60 cd	— (16%):	96 cd
— (25%):	150 cd	— (40%):	240 cd
— (63%):	377 cd	— (100%):	599 cd

C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 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)



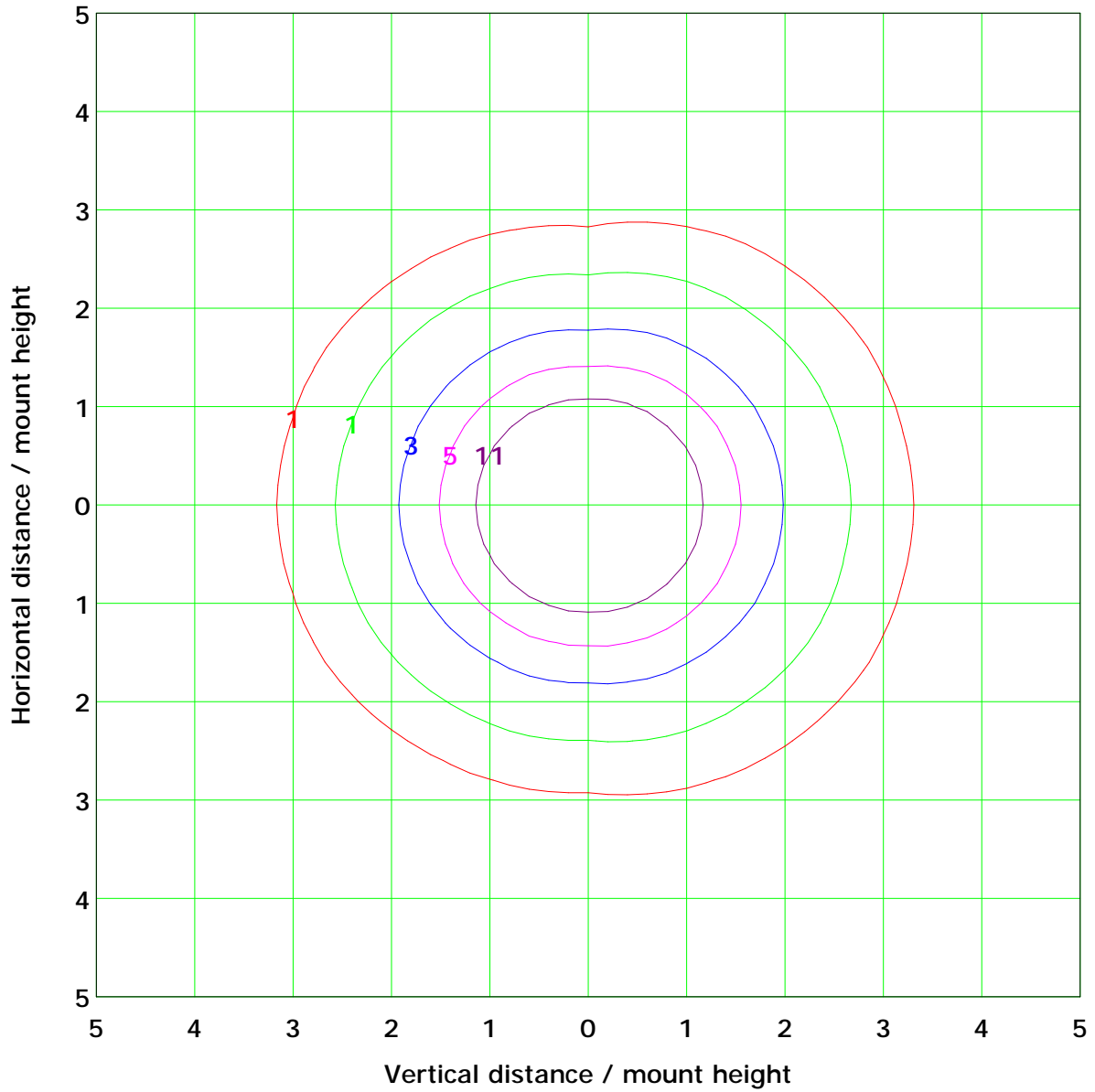
Imax (100%): 599 cd

— (10%): 60 cd	— (16%): 96 cd
— (25%): 150 cd	— (40%): 240 cd
— (63%): 377 cd	— (100%): 599 cd

C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 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



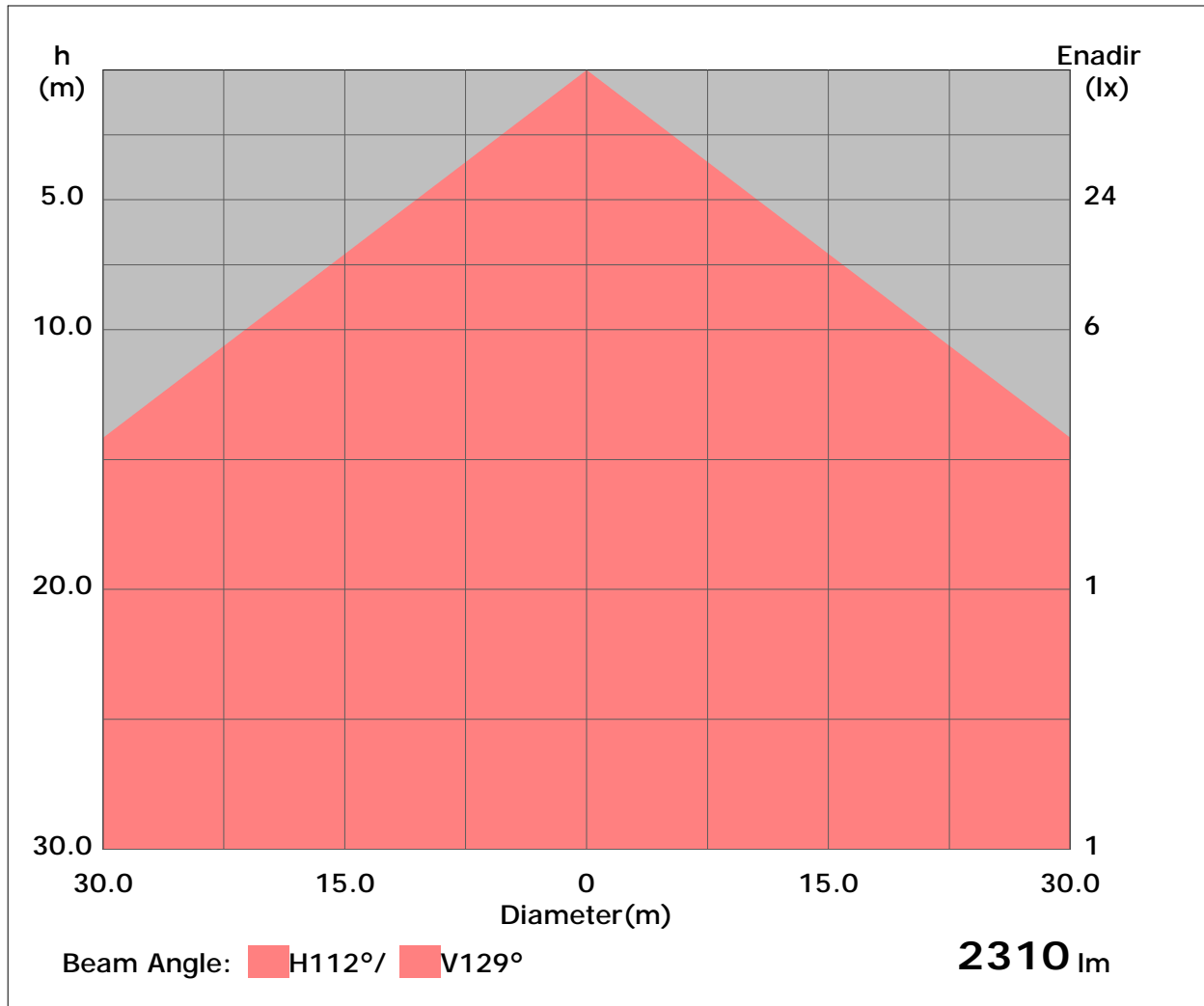
Mounting Height: 3.3m Max Lux(100%): 54.9 lx

— (1%): 0.5 lx	— (2%): 1.1 lx
— (5%): 2.7 lx	— (10%): 5.5 lx
— (20%): 11.0 lx	

C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 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:

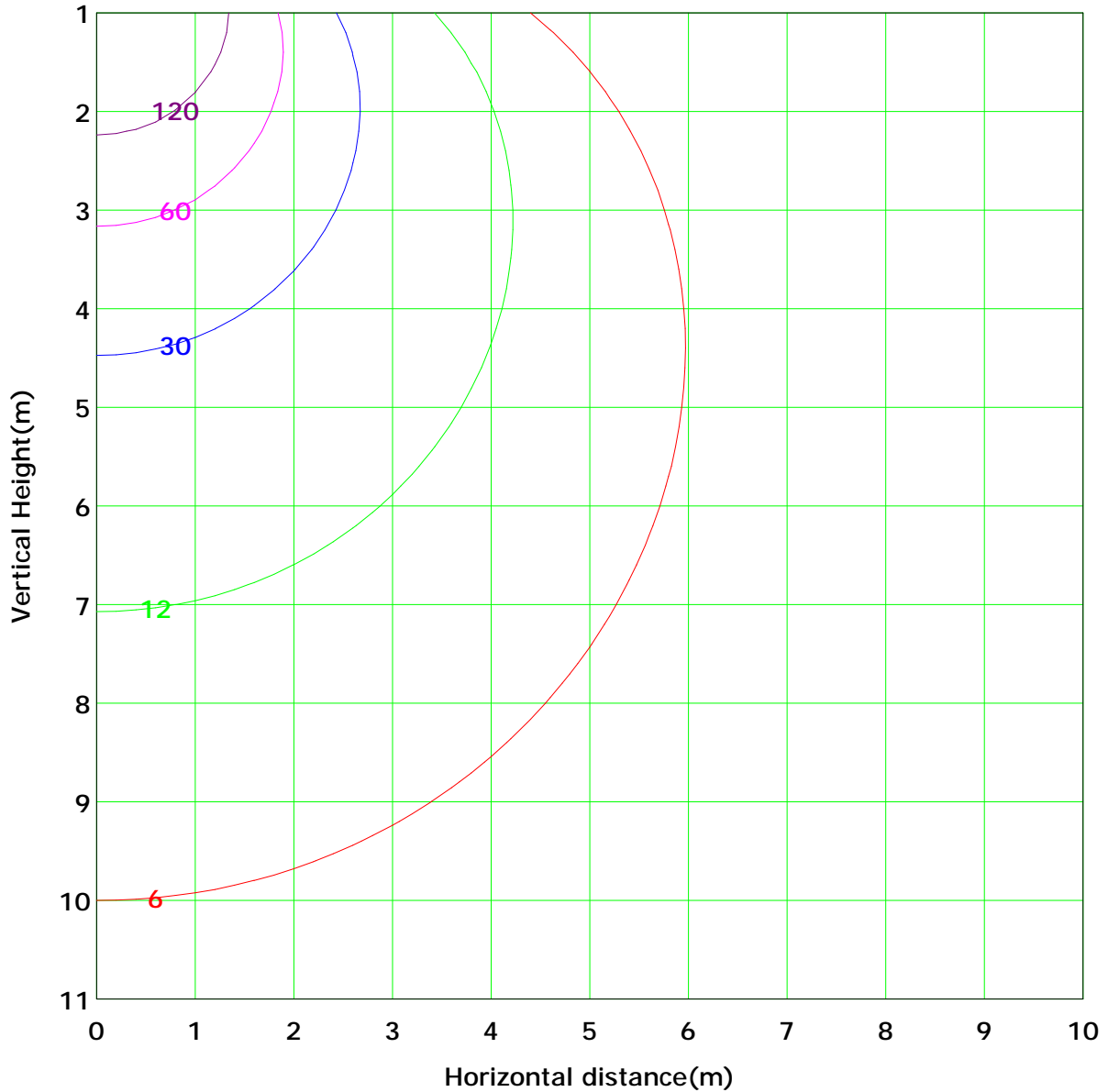
Illuminance at a Distance



C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 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: 598.4 lx
 (1%): 6.0 lx (2%): 12.0 lx
 (5%): 29.9 lx (10%): 59.8 lx
 (20%): 119.7 lx

C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 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:

Area Flux Table

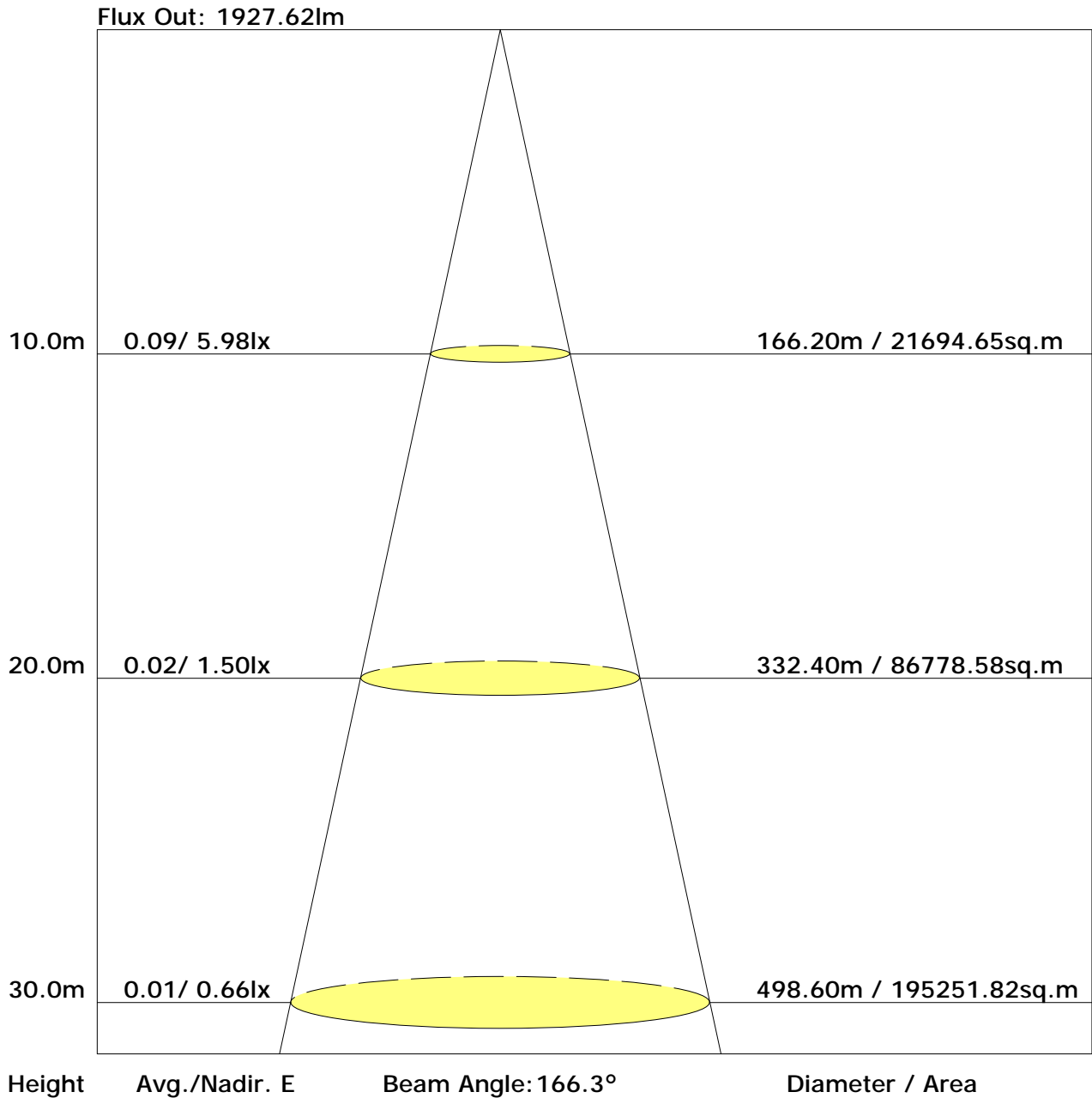
Unit: lm

		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)	0.1	0.3	0.7	1.2	1.8	2.5	3.1	3.5	3.8	3.8	3.5	3.1	2.6	1.9	1.2	0.7	0.3	0.1	34.3	32.2	
		1.8	13.1	36.1	68.8	107.3	147.3	183.3	209.9	224.4	224.4	224.5	210.2	184.3	149.0	109.4	71.1	38.7	15.3	2.6	1997	
Flux(E)	Flux(T)	0.5	11.6	35.2	68.7	107.3	147.3	183.3	209.9	224.4	224.4	224.5	210.2	184.3	149.0	109.4	71.0	38.1	14.2	1.4		1990
		0.1	0.3	0.7	1.2	1.8	2.5	3.1	3.5	3.8	3.8	3.5	3.1	2.6	1.9	1.2	0.7	0.3	0.1	34.3	32.2	
		0.1	0.4	0.9	1.8	2.8	3.8	4.8	5.5	5.9	5.9	5.5	4.8	3.9	2.8	1.8	1.0	0.4	0.1	52.2	51.3	
		0.1	0.5	1.3	2.5	4.0	5.5	6.9	7.8	8.4	8.4	7.9	6.9	5.6	4.1	2.6	1.4	0.6	0.1	74.6	74.2	
		0.1	0.6	1.7	3.3	5.2	7.1	8.9	10.2	10.9	10.9	10.2	9.0	7.2	5.3	3.4	1.9	0.7	0.1	96.7	96.4	
		0.1	0.7	2.1	4.0	6.3	8.6	10.8	12.3	13.2	13.2	12.3	10.8	8.7	6.3	4.1	2.2	0.9	0.1	116.8	116.6	
		0.1	0.9	2.4	4.6	7.2	9.9	12.3	14.2	15.2	15.2	14.2	12.4	10.0	7.3	4.7	2.5	1.0	0.2	134.1	134.0	
		0.1	0.9	2.6	5.0	7.9	10.9	13.5	15.6	16.7	16.7	15.6	13.5	11.0	8.0	5.2	2.8	1.1	0.2	147.3	147.1	
		0.1	1.0	2.7	5.3	8.3	11.4	14.3	16.5	17.7	17.6	16.5	14.3	11.6	8.5	5.5	2.9	1.1	0.2	155.5	155.4	
		0.1	1.0	2.8	5.3	8.4	11.6	14.6	16.8	18.0	18.0	16.8	14.7	11.8	8.6	5.6	3.0	1.1	0.2	158.5	158.4	
		0.1	1.0	2.8	5.4	8.5	11.7	14.6	16.8	18.0	18.0	16.9	14.7	11.8	8.7	5.6	3.0	1.2	0.2	158.8	158.7	
		0.1	1.0	2.8	5.4	8.4	11.6	14.4	16.6	17.8	17.8	16.6	14.5	11.7	8.6	5.6	3.0	1.2	0.2	157.2	157.1	
		0.1	1.0	2.7	5.2	8.1	11.1	13.8	15.9	17.0	17.0	15.9	13.9	11.2	8.2	5.4	2.9	1.1	0.2	150.6	150.5	
		0.1	0.9	2.5	4.8	7.6	10.3	12.8	14.6	15.6	15.6	14.7	12.8	10.4	7.6	5.0	2.7	1.1	0.2	139.3	139.2	
		0.1	0.8	2.3	4.4	6.8	9.2	11.4	13.0	13.8	13.8	13.0	11.4	9.2	6.8	4.5	2.4	1.0	0.2	124.0	123.9	
		0.1	0.7	2.0	3.8	5.8	7.8	9.7	11.0	11.7	11.7	11.0	9.7	7.9	5.9	3.9	2.1	0.8	0.1	105.7	105.5	
		0.1	0.6	1.6	3.0	4.6	6.3	7.8	8.8	9.4	9.4	8.8	7.9	6.4	4.8	3.2	1.8	0.7	0.1	85.2	84.9	
		0.1	0.5	1.2	2.3	3.5	4.7	5.8	6.5	6.9	6.9	6.5	5.9	4.8	3.6	2.4	1.3	0.6	0.1	63.5	63.0	
		0.1	0.4	0.9	1.6	2.3	3.2	3.9	4.3	4.6	4.7	4.4	3.9	3.3	2.4	1.6	1.0	0.4	0.1	43.0	41.9	
		1.8	13.1	36.1	68.8	107.3	147.3	183.3	209.9	224.4	224.4	224.5	210.2	184.3	149.0	109.4	71.1	38.7	15.3	2.6	1997	
		0.5	11.6	35.2	68.7	107.3	147.3	183.3	209.9	224.4	224.4	224.5	210.2	184.3	149.0	109.4	71.0	38.1	14.2	1.4	1990	

C Plane (°): 0.0-360.0: 30.0
 Test Lab: 80
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 Humidity: 88
 Inspector:

The Average Illuminance Effective Figure



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 Test Lab: 80
 Test Type: TYPE C
 Temperature: 23
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Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.690 m
 Humidity: 88
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UGR Table

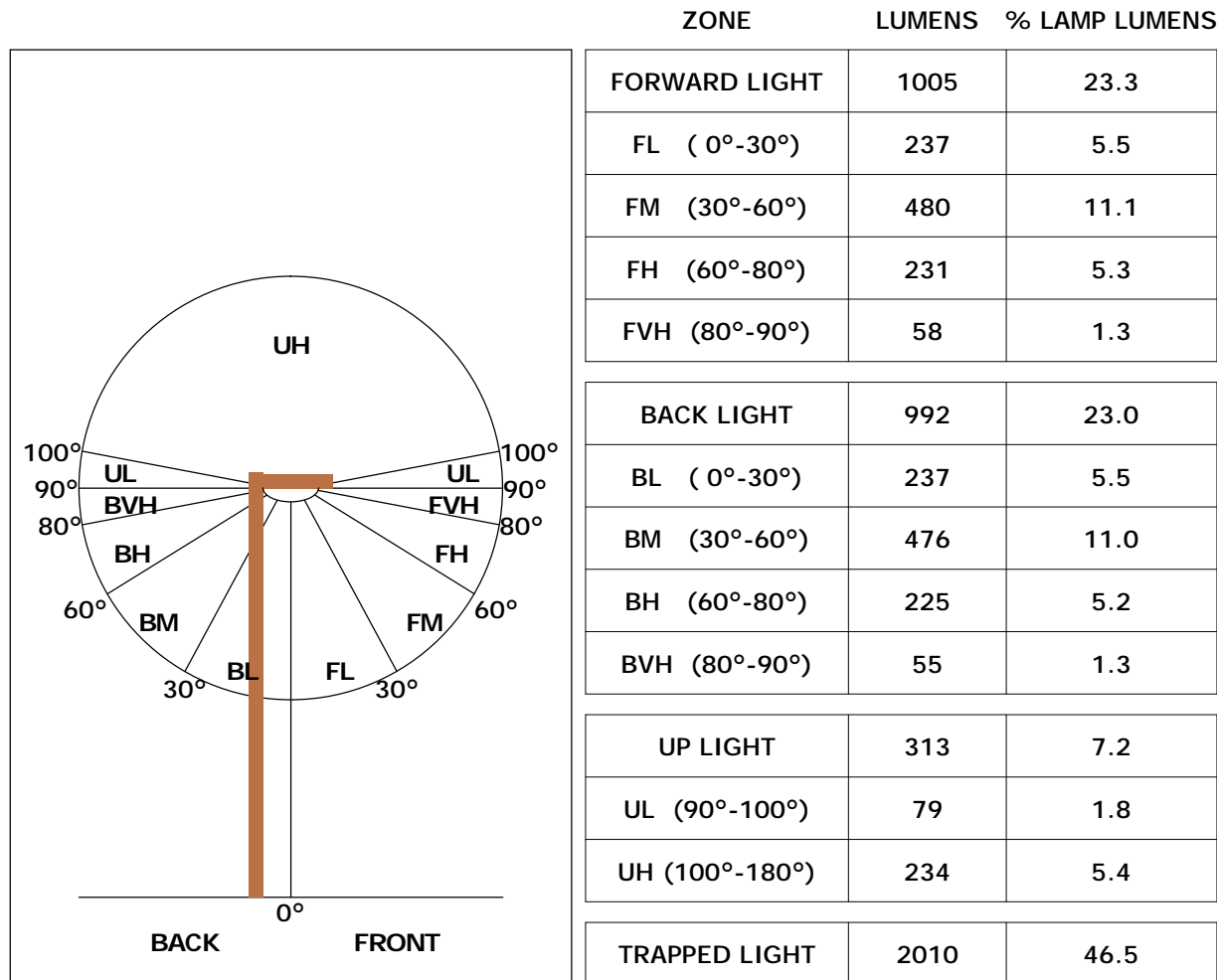
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	12.5	13.9	13.1	14.5	15.1	11.9	13.3	12.4	13.8	14.5
3H	14.4	15.7	15.0	16.3	16.9	13.7	15.0	14.3	15.6	16.2
4H	15.2	16.4	15.7	17.0	17.6	14.5	15.7	15.1	16.3	17.0
6H	15.8	16.9	16.4	17.5	18.2	15.2	16.3	15.8	16.9	17.6
8H	16.0	17.1	16.6	17.7	18.4	15.4	16.5	16.1	17.2	17.9
12H	16.1	17.2	16.8	17.8	18.5	15.7	16.7	16.3	17.4	18.1
X=4H Y=2H	13.0	14.2	13.5	14.8	15.4	12.5	13.7	13.1	14.3	15.0
3H	15.0	16.1	15.6	16.7	17.4	14.6	15.6	15.2	16.3	17.0
4H	15.9	16.8	16.5	17.5	18.2	15.5	16.5	16.1	17.1	17.8
6H	16.6	17.5	17.3	18.1	18.9	16.3	17.2	17.0	17.8	18.6
8H	16.9	17.7	17.5	18.3	19.1	16.7	17.5	17.3	18.1	18.9
12H	17.1	17.8	17.8	18.5	19.3	17.0	17.7	17.7	18.4	19.2
X=8H Y=4H	16.1	16.9	16.8	17.6	18.3	15.8	16.6	16.5	17.3	18.0
6H	17.0	17.7	17.7	18.4	19.1	16.8	17.5	17.5	18.2	19.0
8H	17.3	17.9	18.0	18.6	19.4	17.3	17.9	18.0	18.6	19.4
12H	17.6	18.2	18.3	18.9	19.7	17.7	18.3	18.4	19.0	19.8
X=12H Y=4H	16.2	16.9	16.8	17.6	18.3	15.9	16.6	16.6	17.3	18.0
6H	17.1	17.7	17.8	18.3	19.2	16.9	17.5	17.6	18.2	19.0
8H	17.5	18.0	18.1	18.7	19.5	17.4	18.0	18.1	18.7	19.5

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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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	0.28	0.33	0.36	0.39	0.43	0.46	0.47	0.50	0.52	
	0.30		0.24	0.28	0.32	0.35	0.39	0.42	0.44	0.47	0.50	
	0.20		0.21	0.25	0.29	0.32	0.36	0.40	0.42	0.45	0.48	
0.50	0.50	0.20	0.27	0.31	0.34	0.37	0.40	0.43	0.44	0.47	0.48	
	0.30		0.23	0.27	0.31	0.33	0.37	0.40	0.42	0.44	0.46	
	0.20		0.21	0.24	0.28	0.31	0.35	0.38	0.40	0.43	0.45	
0.30	0.50	0.20	0.25	0.29	0.32	0.34	0.38	0.40	0.41	0.43	0.45	
	0.30		0.22	0.26	0.29	0.32	0.35	0.38	0.39	0.42	0.43	
	0.20		0.20	0.23	0.27	0.29	0.33	0.36	0.38	0.40	0.42	
0.00	0.00	0.00	0.18	0.21	0.24	0.27	0.30	0.32	0.34	0.36	0.38	
<p>Rating: 22W 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(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	0.52	0.45	0.39	0.34	0.28	0.23	0.20	0.16	0.13	
	0.30		0.44	0.38	0.34	0.30	0.25	0.21	0.19	0.15	0.13	
	0.20		0.37	0.34	0.30	0.27	0.23	0.20	0.17	0.14	0.12	
0.50	0.50	0.20	0.49	0.42	0.36	0.32	0.26	0.23	0.19	0.15	0.12	
	0.30		0.41	0.36	0.32	0.28	0.24	0.20	0.18	0.14	0.12	
	0.20		0.36	0.32	0.28	0.26	0.22	0.19	0.17	0.13	0.11	
0.30	0.50	0.20	0.46	0.39	0.34	0.30	0.24	0.20	0.18	0.14	0.12	
	0.30		0.39	0.35	0.30	0.27	0.22	0.19	0.17	0.13	0.11	
	0.20		0.34	0.31	0.27	0.25	0.21	0.18	0.16	0.13	0.11	
0.00	0.00	0.00	0.28	0.25	0.22	0.20	0.16	0.14	0.12	0.10	0.08	
<p>Rating: 22W 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	0.16	0.17	0.17	0.17	0.18	0.18	0.18	0.18	0.19	
	0.30		0.12	0.13	0.14	0.14	0.15	0.16	0.16	0.17	0.17	
	0.20		0.10	0.10	0.11	0.12	0.13	0.13	0.14	0.15	0.16	
0.50	0.50	0.20	0.15	0.16	0.16	0.17	0.17	0.17	0.17	0.18	0.18	
	0.30		0.12	0.13	0.13	0.14	0.15	0.15	0.15	0.16	0.16	
	0.20		0.09	0.10	0.11	0.11	0.12	0.13	0.14	0.15	0.15	
0.30	0.50	0.20	0.15	0.15	0.16	0.16	0.16	0.17	0.17	0.17	0.17	
	0.30		0.12	0.12	0.13	0.13	0.14	0.15	0.15	0.15	0.16	
	0.20		0.09	0.10	0.11	0.11	0.12	0.13	0.13	0.14	0.15	
0.00	0.00	0.00	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	
<p>Rating:22W 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	596.1	0.6	0.6	0.01	0.01
1.0-2.0	596.1	1.7	2.3	0.04	0.05
2.0-3.0	596.0	2.9	5.1	0.07	0.12
3.0-4.0	595.8	4.0	9.1	0.09	0.21
4.0-5.0	595.5	5.1	14.2	0.12	0.33
5.0-6.0	595.2	6.3	20.5	0.14	0.47
6.0-7.0	594.7	7.4	27.9	0.17	0.65
7.0-8.0	594.0	8.5	36.4	0.20	0.84
8.0-9.0	593.2	9.6	46.0	0.22	1.06
9.0-10.0	592.1	10.7	56.7	0.25	1.31
10.0-11.0	590.8	11.8	68.5	0.27	1.59
11.0-12.0	589.3	12.9	81.4	0.30	1.88
12.0-13.0	587.6	13.9	95.4	0.32	2.21
13.0-14.0	585.6	15.0	110.3	0.35	2.55
14.0-15.0	583.5	16.0	126.4	0.37	2.93
15.0-16.0	581.1	17.0	143.4	0.39	3.32
16.0-17.0	578.5	18.0	161.4	0.42	3.74
17.0-18.0	575.6	19.0	180.4	0.44	4.18
18.0-19.0	572.6	19.9	200.3	0.46	4.64
19.0-20.0	569.4	20.8	221.2	0.48	5.12
20.0-21.0	565.9	21.7	242.9	0.50	5.62
21.0-22.0	562.3	22.6	265.5	0.52	6.15
22.0-23.0	558.4	23.4	288.9	0.54	6.69
23.0-24.0	554.4	24.2	313.2	0.56	7.25
24.0-25.0	550.2	25.0	338.2	0.58	7.83
25.0-26.0	545.8	25.8	364.0	0.60	8.42
26.0-27.0	541.2	26.5	390.4	0.61	9.04
27.0-28.0	536.4	27.2	417.6	0.63	9.67
28.0-29.0	531.5	27.8	445.4	0.64	10.31
29.0-30.0	526.4	28.4	473.8	0.66	10.97
30.0-31.0	521.1	29.0	502.8	0.67	11.64
31.0-32.0	515.6	29.5	532.4	0.68	12.32
32.0-33.0	510.0	30.0	562.4	0.70	13.02
33.0-34.0	504.2	30.5	593.0	0.71	13.73
34.0-35.0	498.4	31.0	623.9	0.72	14.44
35.0-36.0	492.3	31.3	655.3	0.73	15.17

C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 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	486.1	31.7	687.0	0.73	15.90
37.0-38.0	479.7	32.0	719.0	0.74	16.64
38.0-39.0	473.3	32.3	751.3	0.75	17.39
39.0-40.0	466.8	32.6	783.9	0.75	18.14
40.0-41.0	460.5	32.8	816.7	0.76	18.90
41.0-42.0	454.2	33.0	849.7	0.76	19.67
42.0-43.0	447.5	33.2	882.8	0.77	20.44
43.0-44.0	440.3	33.2	916.0	0.77	21.20
44.0-45.0	432.6	33.3	949.3	0.77	21.97
45.0-46.0	424.8	33.2	982.5	0.77	22.74
46.0-47.0	417.2	33.2	1015.7	0.77	23.51
47.0-48.0	409.7	33.1	1048.8	0.77	24.28
48.0-49.0	402.0	33.0	1081.9	0.76	25.04
49.0-50.0	394.4	32.9	1114.7	0.76	25.80
50.0-51.0	387.0	32.7	1147.5	0.76	26.56
51.0-52.0	379.7	32.6	1180.1	0.75	27.32
52.0-53.0	371.9	32.4	1212.4	0.75	28.07
53.0-54.0	363.5	32.0	1244.5	0.74	28.81
54.0-55.0	355.0	31.7	1276.2	0.73	29.54
55.0-56.0	346.9	31.4	1307.5	0.73	30.27
56.0-57.0	338.9	31.0	1338.5	0.72	30.98
57.0-58.0	330.8	30.6	1369.1	0.71	31.69
58.0-59.0	322.4	30.1	1399.3	0.70	32.39
59.0-60.0	313.9	29.7	1428.9	0.69	33.08
60.0-61.0	305.3	29.1	1458.1	0.67	33.75
61.0-62.0	296.8	28.6	1486.7	0.66	34.41
62.0-63.0	288.4	28.1	1514.7	0.65	35.06
63.0-64.0	280.0	27.5	1542.2	0.64	35.70
64.0-65.0	271.4	26.9	1569.1	0.62	36.32
65.0-66.0	262.8	26.2	1595.3	0.61	36.93
66.0-67.0	254.2	25.6	1620.9	0.59	37.52
67.0-68.0	245.6	24.9	1645.7	0.58	38.10
68.0-69.0	236.9	24.2	1669.9	0.56	38.66
69.0-70.0	228.3	23.5	1693.4	0.54	39.20
70.0-71.0	219.7	22.7	1716.1	0.53	39.72
71.0-72.0	211.1	21.9	1738.0	0.51	40.23

C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 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	202.4	21.2	1759.2	0.49	40.72
73.0-74.0	193.8	20.4	1779.6	0.47	41.19
74.0-75.0	185.2	19.6	1799.1	0.45	41.65
75.0-76.0	176.7	18.8	1817.9	0.43	42.08
76.0-77.0	168.1	17.9	1835.8	0.41	42.50
77.0-78.0	159.7	17.1	1852.9	0.40	42.89
78.0-79.0	151.3	16.3	1869.2	0.38	43.27
79.0-80.0	143.0	15.4	1884.6	0.36	43.62
80.0-81.0	134.9	14.6	1899.2	0.34	43.96
81.0-82.0	127.0	13.8	1913.0	0.32	44.28
82.0-83.0	119.2	13.0	1925.9	0.30	44.58
83.0-84.0	111.7	12.2	1938.1	0.28	44.86
84.0-85.0	104.5	11.4	1949.5	0.26	45.13
85.0-86.0	97.7	10.7	1960.2	0.25	45.37
86.0-87.0	91.6	10.0	1970.2	0.23	45.61
87.0-88.0	86.4	9.5	1979.7	0.22	45.83
88.0-89.0	82.4	9.0	1988.7	0.21	46.03
89.0-90.0	79.0	8.7	1997.4	0.20	46.24
90.0-91.0	76.4	8.4	2005.7	0.19	46.43
91.0-92.0	74.7	8.2	2013.9	0.19	46.62
92.0-93.0	73.8	8.1	2022.0	0.19	46.81
93.0-94.0	73.2	8.0	2030.0	0.19	46.99
94.0-95.0	72.6	7.9	2037.9	0.18	47.17
95.0-96.0	72.0	7.9	2045.8	0.18	47.36
96.0-97.0	71.4	7.8	2053.6	0.18	47.54
97.0-98.0	70.8	7.7	2061.3	0.18	47.71
98.0-99.0	70.2	7.6	2068.9	0.18	47.89
99.0-100.0	69.6	7.5	2076.4	0.17	48.07
100.0-101.0	68.9	7.4	2083.8	0.17	48.24
101.0-102.0	68.3	7.3	2091.2	0.17	48.41
102.0-103.0	67.7	7.2	2098.4	0.17	48.57
103.0-104.0	67.0	7.1	2105.6	0.17	48.74
104.0-105.0	66.3	7.0	2112.6	0.16	48.90
105.0-106.0	65.5	6.9	2119.5	0.16	49.06
106.0-107.0	64.5	6.8	2126.3	0.16	49.22
107.0-108.0	63.5	6.6	2133.0	0.15	49.37

C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 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	62.4	6.5	2139.5	0.15	49.52
109.0-110.0	61.2	6.3	2145.8	0.15	49.67
110.0-111.0	60.0	6.2	2152.0	0.14	49.81
111.0-112.0	58.9	6.0	2158.0	0.14	49.95
112.0-113.0	57.8	5.9	2163.8	0.14	50.09
113.0-114.0	56.8	5.7	2169.5	0.13	50.22
114.0-115.0	55.8	5.6	2175.1	0.13	50.35
115.0-116.0	55.0	5.4	2180.5	0.13	50.48
116.0-117.0	54.1	5.3	2185.9	0.12	50.60
117.0-118.0	53.3	5.2	2191.0	0.12	50.72
118.0-119.0	52.5	5.1	2196.1	0.12	50.84
119.0-120.0	51.6	4.9	2201.0	0.11	50.95
120.0-121.0	50.7	4.8	2205.8	0.11	51.06
121.0-122.0	49.8	4.7	2210.5	0.11	51.17
122.0-123.0	49.0	4.5	2215.0	0.10	51.27
123.0-124.0	48.1	4.4	2219.4	0.10	51.38
124.0-125.0	47.2	4.3	2223.7	0.10	51.47
125.0-126.0	46.4	4.1	2227.8	0.10	51.57
126.0-127.0	45.6	4.0	2231.8	0.09	51.66
127.0-128.0	44.8	3.9	2235.7	0.09	51.75
128.0-129.0	44.1	3.8	2239.5	0.09	51.84
129.0-130.0	43.3	3.7	2243.2	0.08	51.93
130.0-131.0	42.5	3.5	2246.7	0.08	52.01
131.0-132.0	41.7	3.4	2250.2	0.08	52.09
132.0-133.0	40.9	3.3	2253.5	0.08	52.16
133.0-134.0	40.1	3.2	2256.7	0.07	52.24
134.0-135.0	39.4	3.1	2259.7	0.07	52.31
135.0-136.0	38.6	3.0	2262.7	0.07	52.38
136.0-137.0	37.9	2.9	2265.6	0.07	52.44
137.0-138.0	37.3	2.8	2268.3	0.06	52.51
138.0-139.0	36.6	2.7	2271.0	0.06	52.57
139.0-140.0	35.9	2.6	2273.6	0.06	52.63
140.0-141.0	35.2	2.5	2276.0	0.06	52.69
141.0-142.0	34.6	2.4	2278.4	0.05	52.74
142.0-143.0	33.9	2.3	2280.6	0.05	52.79
143.0-144.0	33.2	2.2	2282.8	0.05	52.84

C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 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	32.5	2.1	2284.9	0.05	52.89
145.0-146.0	31.7	2.0	2286.8	0.05	52.94
146.0-147.0	30.8	1.9	2288.7	0.04	52.98
147.0-148.0	29.9	1.8	2290.5	0.04	53.02
148.0-149.0	29.1	1.7	2292.1	0.04	53.06
149.0-150.0	28.2	1.6	2293.7	0.04	53.09
150.0-151.0	27.5	1.5	2295.2	0.03	53.13
151.0-152.0	26.7	1.4	2296.6	0.03	53.16
152.0-153.0	25.9	1.3	2297.9	0.03	53.19
153.0-154.0	25.1	1.2	2299.1	0.03	53.22
154.0-155.0	24.2	1.1	2300.3	0.03	53.25
155.0-156.0	23.3	1.1	2301.3	0.02	53.27
156.0-157.0	22.5	1.0	2302.3	0.02	53.29
157.0-158.0	21.6	0.9	2303.2	0.02	53.32
158.0-159.0	20.8	0.8	2304.0	0.02	53.33
159.0-160.0	20.0	0.8	2304.8	0.02	53.35
160.0-161.0	19.1	0.7	2305.5	0.02	53.37
161.0-162.0	18.3	0.6	2306.2	0.01	53.38
162.0-163.0	17.5	0.6	2306.7	0.01	53.40
163.0-164.0	16.7	0.5	2307.3	0.01	53.41
164.0-165.0	16.0	0.5	2307.7	0.01	53.42
165.0-166.0	15.2	0.4	2308.1	0.01	53.43
166.0-167.0	14.4	0.4	2308.5	0.01	53.44
167.0-168.0	13.7	0.3	2308.8	0.01	53.45
168.0-169.0	12.9	0.3	2309.1	0.01	53.45
169.0-170.0	12.2	0.2	2309.4	0.01	53.46
170.0-171.0	11.5	0.2	2309.6	0.00	53.46
171.0-172.0	10.9	0.2	2309.7	0.00	53.47
172.0-173.0	10.3	0.1	2309.9	0.00	53.47
173.0-174.0	9.8	0.1	2310.0	0.00	53.47
174.0-175.0	9.3	0.1	2310.1	0.00	53.47
175.0-176.0	9.0	0.1	2310.2	0.00	53.48
176.0-177.0	8.6	0.1	2310.2	0.00	53.48
177.0-178.0	8.3	0.0	2310.3	0.00	53.48
178.0-179.0	8.2	0.0	2310.3	0.00	53.48
179.0-180.0	8.1	0.0	2310.3	0.00	53.48

C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 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	598.4	596.8	595.9	596.4	595.0	594.4	598.4	596.8	595.9	596.4
G1.0	598.4	596.6	595.5	595.9	594.8	594.1	598.1	597.0	596.5	597.0
G2.0	598.2	595.8	595.0	595.5	594.7	593.7	597.9	597.1	597.1	597.7
G3.0	597.6	595.3	594.4	595.3	594.7	593.2	597.3	597.2	597.5	598.2
G4.0	596.9	594.5	594.0	595.8	594.7	592.6	596.5	596.8	597.7	598.8
G5.0	596.0	593.6	594.0	596.3	594.9	592.0	595.4	596.5	597.7	598.9
G6.0	595.0	592.7	594.2	596.8	595.0	591.4	594.0	595.7	597.5	598.9
G7.0	593.7	591.5	594.1	597.0	595.1	590.5	592.7	595.0	597.1	598.7
G8.0	592.1	590.3	594.2	597.1	595.1	589.5	591.0	593.9	596.4	598.1
G9.0	590.3	589.3	593.9	596.9	594.5	588.5	589.0	592.6	595.4	597.3
G10.0	588.4	588.1	593.3	596.5	594.0	587.3	586.9	590.9	594.2	596.5
G11.0	586.2	586.7	592.7	596.0	593.3	585.9	584.5	589.2	593.0	595.1
G12.0	583.7	585.0	591.9	595.1	592.2	584.1	582.0	587.3	591.3	593.8
G13.0	581.1	583.4	590.6	594.1	591.0	582.2	579.2	585.1	589.6	592.1
G14.0	578.2	581.3	589.3	592.8	589.6	580.3	576.3	582.5	587.6	590.2
G15.0	575.2	579.0	587.8	591.3	587.9	578.2	573.0	579.9	585.4	588.2
G16.0	571.9	576.7	586.0	589.6	586.0	575.5	569.4	577.0	582.9	585.7
G17.0	568.1	574.1	583.9	587.6	583.8	572.8	565.7	574.0	580.1	583.2
G18.0	564.7	571.4	581.7	585.6	581.6	570.0	561.7	570.6	577.2	580.5
G19.0	560.6	568.4	579.3	583.3	579.1	566.8	557.6	567.0	574.1	577.4
G20.0	556.5	565.1	576.6	580.6	576.2	563.6	553.2	563.2	570.9	574.3
G21.0	552.2	561.5	573.8	577.8	573.3	560.1	548.8	559.3	567.3	571.1
G22.0	547.6	558.0	570.7	574.9	570.2	556.5	544.0	555.0	563.6	567.6
G23.0	543.0	554.1	567.5	571.5	566.8	552.4	539.2	550.7	559.7	564.0
G24.0	538.0	550.1	564.0	568.2	563.4	548.3	533.7	546.0	556.0	560.2
G25.0	533.0	546.0	560.4	564.7	559.7	544.2	528.2	541.1	551.8	556.0
G26.0	527.6	541.6	556.7	560.9	555.7	539.6	522.8	536.4	547.5	551.7
G27.0	522.2	537.0	552.6	556.9	551.7	535.0	517.2	531.0	543.0	547.0
G28.0	516.5	532.2	548.5	552.9	547.7	530.0	511.3	525.8	538.4	542.4
G29.0	510.7	527.4	544.0	548.4	543.2	525.0	505.0	520.3	533.5	537.6
G30.0	504.8	522.1	539.4	544.1	538.6	519.8	499.0	514.8	528.5	532.5
G31.0	498.7	517.0	534.7	539.5	534.0	514.6	492.6	508.9	523.2	527.1
G32.0	492.4	511.5	529.8	534.6	529.1	508.9	486.1	502.9	517.7	522.0
G33.0	486.2	506.0	524.9	529.6	524.2	503.3	479.4	496.7	511.9	516.2
G34.0	479.6	500.3	519.7	524.6	518.9	497.5	472.5	490.4	506.3	511.0
G35.0	472.9	494.3	514.4	519.3	513.7	491.5	465.6	484.1	500.2	504.8
G36.0	466.1	488.5	508.7	513.9	508.1	485.2	458.4	477.5	494.3	498.8

C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 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	459.2	482.3	503.4	508.6	502.5	479.3	451.1	470.8	487.9	492.7
G38.0	451.9	475.8	497.6	502.8	496.7	472.8	443.8	464.1	481.5	486.5
G39.0	444.8	469.5	491.6	496.9	491.0	466.4	436.1	457.3	475.0	480.1
G40.0	437.6	463.2	485.7	491.0	484.9	459.9	428.5	450.3	468.4	473.4
G41.0	430.2	456.3	479.4	485.1	478.8	453.3	420.6	443.1	461.6	466.7
G42.0	422.7	449.5	473.1	478.9	472.5	446.2	412.7	435.9	454.5	460.0
G43.0	415.0	442.7	467.0	472.6	466.2	439.3	404.9	428.5	447.3	452.8
G44.0	407.4	435.5	460.3	466.1	459.5	432.3	396.8	421.3	440.3	445.8
G45.0	399.7	428.4	453.7	459.9	452.9	425.0	388.5	413.2	432.8	438.5
G46.0	391.9	421.2	447.2	453.2	446.1	417.7	380.5	405.6	425.4	431.3
G47.0	383.8	414.0	440.2	446.5	439.5	410.4	372.0	397.7	417.7	424.1
G48.0	375.7	406.5	433.3	439.7	432.3	403.0	363.4	389.9	410.1	416.6
G49.0	367.5	398.9	426.3	432.7	425.3	395.4	354.9	381.5	402.2	409.0
G50.0	359.2	391.3	419.1	425.7	418.0	387.7	346.4	373.4	394.4	401.5
G51.0	351.0	383.6	412.0	418.7	410.9	380.0	337.8	365.0	386.4	394.0
G52.0	342.5	376.0	404.9	411.3	403.4	372.4	329.3	356.9	378.6	386.2
G53.0	334.5	368.5	397.7	404.2	396.1	364.6	320.0	348.6	370.7	378.1
G54.0	325.6	360.5	390.3	396.8	388.5	356.5	311.5	340.1	362.7	370.4
G55.0	317.4	352.7	382.7	389.5	381.0	348.6	302.0	331.5	354.1	362.5
G56.0	308.5	344.4	375.2	381.9	373.4	340.5	293.5	323.0	345.8	354.6
G57.0	300.2	336.4	367.5	374.7	365.6	332.3	284.3	314.0	337.7	346.6
G58.0	291.3	328.0	359.8	366.8	357.6	324.2	275.4	305.2	329.6	338.4
G59.0	282.7	320.2	352.0	359.4	349.7	315.8	266.3	296.1	321.2	330.3
G60.0	273.9	311.8	344.1	351.5	341.8	307.6	257.2	287.3	312.7	322.3
G61.0	265.3	303.7	336.4	343.7	334.2	299.3	247.8	278.3	304.0	313.6
G62.0	256.3	295.4	328.4	336.0	325.9	291.0	238.8	269.4	295.7	305.5
G63.0	247.4	287.1	320.7	328.3	317.8	282.3	229.6	260.3	287.2	297.1
G64.0	238.7	278.6	312.5	319.9	309.7	273.8	220.5	251.3	278.3	288.7
G65.0	229.9	270.3	304.6	312.4	301.8	265.2	211.1	242.1	270.0	280.5
G66.0	220.9	261.7	296.6	304.5	293.5	256.8	202.1	232.8	261.1	272.3
G67.0	212.0	253.3	288.7	296.4	285.5	248.3	192.9	223.9	252.5	263.9
G68.0	203.2	244.8	280.2	288.1	277.0	239.5	183.9	214.7	243.6	255.1
G69.0	194.1	236.3	272.3	280.3	268.9	231.1	174.5	205.5	235.1	246.8
G70.0	185.5	227.9	264.0	272.1	260.8	222.6	165.1	196.3	226.4	238.6
G71.0	176.3	219.3	256.1	263.8	252.4	214.0	156.1	187.4	217.6	229.9
G72.0	167.6	210.9	247.7	255.8	243.9	205.4	146.9	178.3	208.9	221.6
G73.0	158.6	202.1	239.4	247.6	235.9	196.6	137.7	169.2	200.4	213.3

C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 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	149.9	194.0	231.4	239.4	227.3	188.1	128.9	159.9	191.7	204.8
G75.0	140.9	185.3	222.9	231.2	219.2	179.3	120.0	151.2	183.4	196.5
G76.0	132.3	176.9	214.7	223.0	210.9	170.8	110.7	142.2	174.7	188.1
G77.0	123.6	168.4	206.3	214.8	202.3	162.2	102.0	133.3	166.5	180.2
G78.0	114.9	160.0	198.3	206.9	194.3	153.7	93.1	124.3	158.0	172.2
G79.0	105.9	151.8	190.2	198.8	186.1	145.3	84.3	115.6	149.8	164.8
G80.0	97.5	143.4	182.1	190.9	177.8	136.9	75.3	106.9	142.3	157.8
G81.0	89.0	135.1	174.1	183.1	169.6	128.5	66.8	98.5	135.4	150.9
G82.0	80.6	126.6	166.1	175.4	162.1	120.2	58.2	89.9	128.4	143.9
G83.0	71.9	118.3	158.2	168.2	154.0	111.8	50.1	82.1	121.7	137.2
G84.0	63.8	110.4	150.6	161.4	147.1	103.5	41.6	75.3	115.3	130.6
G85.0	55.4	102.5	143.6	154.6	140.2	95.7	33.5	69.4	109.4	124.4
G86.0	47.1	94.7	137.2	148.0	133.8	88.1	25.7	64.1	104.1	118.5
G87.0	38.9	86.8	130.5	141.7	127.2	81.3	19.5	60.4	100.8	114.3
G88.0	31.4	80.4	124.2	135.0	120.9	75.6	15.5	59.0	99.5	112.1
G89.0	24.0	74.4	117.9	129.2	114.8	69.9	15.2	58.2	98.6	111.1
G90.0	18.0	69.0	112.2	123.6	109.5	65.4	15.1	57.5	97.8	110.1
G91.0	14.7	64.6	107.2	119.2	105.5	63.3	15.1	56.8	97.0	109.2
G92.0	14.5	62.5	104.1	116.9	103.8	62.7	15.0	56.2	96.2	108.3
G93.0	14.4	61.9	103.0	115.9	102.9	62.1	14.9	55.6	95.4	107.5
G94.0	14.3	61.4	102.2	115.1	102.1	61.6	14.9	55.0	94.6	106.7
G95.0	14.3	61.0	101.5	114.3	101.2	61.1	14.8	54.4	93.8	105.8
G96.0	14.2	60.6	100.8	113.4	100.5	60.6	14.8	53.7	93.0	104.9
G97.0	14.2	60.2	100.0	112.6	99.6	60.1	14.7	53.0	92.2	104.0
G98.0	14.1	59.8	99.3	111.7	98.8	59.7	14.7	52.2	91.3	103.0
G99.0	14.1	59.4	98.5	110.8	98.1	59.2	14.6	51.4	90.5	102.1
G100.0	14.1	59.0	97.8	109.9	97.2	58.7	14.6	50.8	89.6	101.1
G101.0	14.0	58.6	97.0	109.0	96.3	58.2	14.5	50.2	88.7	100.1
G102.0	14.0	58.1	96.2	108.0	95.5	57.7	14.4	49.7	87.8	99.1
G103.0	14.0	57.7	95.4	107.1	94.6	57.1	14.4	49.3	86.8	98.0
G104.0	13.9	57.2	94.5	106.1	93.7	56.6	14.4	48.9	85.9	96.9
G105.0	13.9	56.7	93.7	105.0	92.7	56.0	14.4	48.5	84.7	95.9
G106.0	13.8	56.2	92.8	104.0	91.8	55.5	14.3	48.2	82.6	94.8
G107.0	13.8	55.7	91.9	102.9	90.8	54.9	14.3	47.9	80.0	93.6
G108.0	13.7	55.2	90.3	101.9	89.8	54.4	14.2	47.5	77.3	92.5
G109.0	13.7	54.7	87.2	100.7	88.5	53.8	14.2	47.1	74.6	91.4
G110.0	13.6	54.2	84.0	99.7	86.4	53.2	14.1	46.7	71.9	90.2

C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 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	13.6	53.7	80.6	98.5	83.6	52.7	14.1	46.2	69.3	89.0
G112.0	13.5	53.2	77.4	97.4	80.8	52.1	13.9	45.7	67.5	87.9
G113.0	13.5	52.7	74.6	96.2	78.1	51.5	13.8	45.1	66.0	86.6
G114.0	13.5	52.2	72.9	95.0	75.3	51.0	13.6	44.5	64.8	85.4
G115.0	13.4	51.7	71.7	93.8	72.8	50.4	13.5	43.8	63.7	84.2
G116.0	13.4	51.2	70.8	92.6	70.9	49.8	13.4	43.1	62.8	82.9
G117.0	13.3	50.5	69.9	91.4	69.5	49.3	13.4	42.2	61.8	81.7
G118.0	13.3	49.6	69.2	90.2	68.3	48.7	13.4	41.2	60.9	80.4
G119.0	13.2	48.4	68.4	88.9	67.1	48.0	13.4	40.0	60.0	79.2
G120.0	13.1	47.0	67.7	87.6	66.1	47.1	13.3	38.9	59.2	77.9
G121.0	13.1	45.7	66.9	86.3	65.2	46.1	13.3	37.8	58.4	76.7
G122.0	13.0	44.4	66.1	84.9	64.2	45.0	13.2	36.6	57.5	75.4
G123.0	12.9	43.2	65.3	83.7	63.3	43.9	13.1	35.5	56.7	74.1
G124.0	12.9	42.0	64.4	82.3	62.5	42.7	13.0	34.5	55.8	72.9
G125.0	12.8	41.0	63.6	81.0	61.6	41.6	12.9	33.5	54.9	71.6
G126.0	12.7	40.2	62.8	79.7	60.7	40.4	12.9	32.6	54.1	70.3
G127.0	12.7	39.5	62.0	78.4	59.8	39.3	12.8	31.9	53.2	68.9
G128.0	12.6	38.9	61.1	77.0	59.0	38.3	12.7	31.1	52.2	67.7
G129.0	12.5	38.3	60.2	75.7	58.0	37.4	12.6	30.4	51.3	66.3
G130.0	12.4	37.8	59.3	74.4	57.1	36.5	12.5	29.6	50.4	65.0
G131.0	12.4	37.1	58.4	73.1	56.3	35.6	12.4	28.8	49.4	63.7
G132.0	12.3	36.4	57.5	71.7	55.3	34.9	12.3	27.9	48.4	62.4
G133.0	12.2	35.8	56.6	70.4	54.4	34.2	12.2	27.0	47.4	61.0
G134.0	12.1	35.3	55.6	69.1	53.4	33.5	12.1	26.3	46.6	59.7
G135.0	12.1	34.8	54.6	67.8	52.5	32.9	12.0	25.7	45.8	58.3
G136.0	12.0	34.3	53.6	66.4	51.5	32.3	11.9	25.3	45.1	57.0
G137.0	11.9	33.8	52.6	65.1	50.5	31.7	11.9	25.0	44.3	55.6
G138.0	11.8	33.3	51.8	63.7	49.5	31.2	11.8	24.6	43.5	54.3
G139.0	11.7	32.8	50.8	62.4	48.5	30.7	11.7	24.2	42.7	53.0
G140.0	11.7	32.3	49.8	61.0	47.5	30.2	11.6	23.8	41.8	51.6
G141.0	11.6	31.9	48.8	59.7	46.7	29.8	11.5	23.4	41.0	50.3
G142.0	11.5	31.4	47.8	58.3	45.9	29.3	11.4	22.9	40.1	48.9
G143.0	11.4	30.9	47.0	57.0	45.1	28.7	11.3	22.5	39.2	47.5
G144.0	11.3	30.4	46.1	55.6	44.3	27.9	11.2	22.0	38.2	46.2
G145.0	11.2	29.7	45.3	54.2	43.4	27.0	11.1	21.5	37.3	44.8
G146.0	11.1	28.6	44.5	52.9	42.4	26.1	11.0	21.0	36.2	43.5
G147.0	10.3	27.4	43.6	51.5	41.4	25.4	10.9	20.5	35.2	42.1

C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 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	9.3	26.3	42.7	50.1	40.4	24.8	10.8	20.0	34.3	40.8
G149.0	8.4	25.3	41.8	48.7	39.5	24.3	10.6	19.4	33.2	39.4
G150.0	8.4	24.4	40.9	47.4	38.6	23.8	10.6	18.9	32.3	38.1
G151.0	8.4	23.5	40.0	46.0	37.7	23.3	10.4	18.3	31.3	36.7
G152.0	8.3	22.6	39.1	44.6	36.7	22.8	10.3	17.7	30.2	35.4
G153.0	8.3	21.7	38.2	43.3	35.8	22.2	10.1	17.0	29.1	34.1
G154.0	8.4	20.9	37.3	41.9	34.9	21.4	9.3	16.4	28.0	32.7
G155.0	8.4	19.8	36.5	40.6	34.1	20.7	8.4	15.7	26.9	31.4
G156.0	8.4	18.6	35.7	39.2	33.2	20.1	8.3	15.1	25.7	30.1
G157.0	8.4	17.6	34.7	37.9	32.1	19.5	8.3	14.4	24.6	28.8
G158.0	8.3	16.7	33.6	36.7	30.9	18.9	8.3	13.8	23.5	27.4
G159.0	8.3	16.2	32.3	35.6	29.7	18.3	8.2	13.2	22.3	26.1
G160.0	8.3	15.8	30.6	34.3	28.3	17.7	8.2	12.5	21.2	24.7
G161.0	8.3	15.4	28.8	32.9	27.2	17.1	8.2	11.9	20.1	23.5
G162.0	8.3	15.1	27.1	31.3	26.0	16.5	8.2	11.3	19.0	22.2
G163.0	8.3	14.9	25.4	29.8	24.9	15.9	8.2	10.7	17.8	20.9
G164.0	8.3	14.7	23.7	28.4	23.7	15.2	8.2	10.1	16.7	19.6
G165.0	8.4	14.4	22.1	27.0	22.5	14.6	8.2	9.5	15.5	18.4
G166.0	8.4	14.2	20.5	25.7	21.4	14.0	8.3	8.9	14.4	17.1
G167.0	8.4	13.9	19.1	24.4	20.3	13.4	8.3	8.5	13.3	15.9
G168.0	8.5	13.6	17.7	23.0	19.1	12.8	8.3	8.0	12.3	14.6
G169.0	8.5	13.1	15.9	21.7	18.0	12.1	8.4	7.6	11.3	13.5
G170.0	8.5	12.7	14.3	20.5	16.9	11.6	8.4	7.2	10.3	12.3
G171.0	8.6	12.2	12.9	19.1	15.8	11.0	8.5	7.0	9.4	11.2
G172.0	8.6	11.7	12.0	17.9	14.6	10.4	8.5	6.8	8.6	10.1
G173.0	8.6	11.4	11.6	16.5	13.5	9.9	8.5	6.8	7.8	9.2
G174.0	8.7	11.1	11.2	15.3	12.4	9.4	8.5	6.8	7.2	8.3
G175.0	8.7	10.7	10.9	14.0	11.4	8.9	8.6	6.8	6.8	7.5
G176.0	8.7	10.4	10.7	12.8	10.4	8.5	8.7	6.8	6.8	7.0
G177.0	8.7	10.0	10.3	11.0	9.4	8.0	8.7	7.5	6.8	6.8
G178.0	8.7	9.6	9.8	10.0	8.6	7.7	8.8	8.0	7.2	6.9
G179.0	8.8	9.2	9.2	9.1	7.8	7.3	8.8	8.4	8.0	7.2
G180.0	8.7	8.8	8.6	8.3	7.2	7.1	8.8	8.8	8.6	8.4

C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 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	595.0	594.4	598.4							
G1.0	595.3	594.3	598.4							
G2.0	595.7	594.3	598.2							
G3.0	596.0	594.0	597.6							
G4.0	596.0	593.6	596.9							
G5.0	596.0	593.4	596.0							
G6.0	595.9	592.9	595.0							
G7.0	595.5	592.2	593.7							
G8.0	594.9	591.2	592.1							
G9.0	594.1	590.0	590.3							
G10.0	593.1	588.5	588.4							
G11.0	591.8	586.8	586.2							
G12.0	590.5	584.9	583.7							
G13.0	588.6	582.8	581.1							
G14.0	586.7	580.5	578.2							
G15.0	584.5	577.9	575.2							
G16.0	582.0	575.2	571.9							
G17.0	579.3	572.2	568.1							
G18.0	576.5	568.8	564.7							
G19.0	573.5	565.4	560.6							
G20.0	570.3	561.7	556.5							
G21.0	566.8	558.1	552.2							
G22.0	563.2	554.0	547.6							
G23.0	559.3	549.5	543.0							
G24.0	555.2	545.1	538.0							
G25.0	551.0	540.6	533.0							
G26.0	546.5	535.7	527.6							
G27.0	541.9	530.7	522.2							
G28.0	537.0	525.4	516.5							
G29.0	532.0	520.1	510.7							
G30.0	527.1	514.6	504.8							
G31.0	521.7	508.8	498.7							
G32.0	516.1	503.0	492.4							
G33.0	510.3	496.8	486.2							
G34.0	504.9	490.7	479.6							
G35.0	498.9	484.4	472.9							
G36.0	493.0	478.0	466.1							

C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 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	486.4	471.3	459.2							
G38.0	480.3	464.4	451.9							
G39.0	473.7	458.0	444.8							
G40.0	467.2	453.4	437.6							
G41.0	460.2	452.7	430.2							
G42.0	453.4	452.2	422.7							
G43.0	446.4	446.1	415.0							
G44.0	439.5	434.7	407.4							
G45.0	432.1	419.0	399.7							
G46.0	424.8	406.9	391.9							
G47.0	417.1	398.2	383.8							
G48.0	409.7	390.6	375.7							
G49.0	401.9	382.3	367.5							
G50.0	394.6	376.4	359.2							
G51.0	386.6	374.3	351.0							
G52.0	378.9	371.6	342.5							
G53.0	370.7	360.9	334.5							
G54.0	362.7	344.9	325.6							
G55.0	355.6	333.1	317.4							
G56.0	349.4	325.0	308.5							
G57.0	343.8	316.2	300.2							
G58.0	336.0	307.8	291.3							
G59.0	326.0	298.9	282.7							
G60.0	314.9	290.1	273.9							
G61.0	305.0	281.2	265.3							
G62.0	296.8	272.2	256.3							
G63.0	288.5	263.9	247.4							
G64.0	280.0	257.0	238.7							
G65.0	271.5	245.3	229.9							
G66.0	262.9	236.5	220.9							
G67.0	254.4	227.9	212.0							
G68.0	245.8	218.3	203.2							
G69.0	237.1	209.3	194.1							
G70.0	228.5	200.4	185.5							
G71.0	220.0	191.6	176.3							
G72.0	211.3	182.6	167.6							
G73.0	202.7	173.7	158.6							

C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 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	194.1	164.4	149.9							
G75.0	185.7	155.8	140.9							
G76.0	177.1	146.9	132.3							
G77.0	168.9	138.3	123.6							
G78.0	160.5	129.3	114.9							
G79.0	152.4	120.7	105.9							
G80.0	144.3	111.8	97.5							
G81.0	137.3	103.4	89.0							
G82.0	130.6	95.0	80.6							
G83.0	123.8	86.6	71.9							
G84.0	117.3	79.0	63.8							
G85.0	111.0	72.4	55.4							
G86.0	105.4	66.6	47.1							
G87.0	100.9	61.5	38.9							
G88.0	98.4	57.6	31.4							
G89.0	97.3	56.3	24.0							
G90.0	96.4	55.5	18.0							
G91.0	95.6	54.9	14.7							
G92.0	94.9	54.3	14.5							
G93.0	94.2	53.7	14.4							
G94.0	93.4	53.2	14.3							
G95.0	92.7	52.8	14.3							
G96.0	91.9	52.2	14.2							
G97.0	91.1	51.5	14.2							
G98.0	90.3	50.8	14.1							
G99.0	89.5	50.2	14.1							
G100.0	88.7	49.6	14.1							
G101.0	87.8	49.0	14.0							
G102.0	86.9	48.5	14.0							
G103.0	86.0	48.1	14.0							
G104.0	84.6	47.8	13.9							
G105.0	82.3	47.5	13.9							
G106.0	79.1	47.2	13.8							
G107.0	75.8	46.9	13.8							
G108.0	72.8	46.6	13.7							
G109.0	70.0	46.2	13.7							
G110.0	67.9	45.7	13.6							

C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 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	66.6	45.2	13.6							
G112.0	65.5	44.7	13.5							
G113.0	64.6	44.2	13.5							
G114.0	63.8	43.5	13.5							
G115.0	63.0	42.6	13.4							
G116.0	62.3	41.4	13.4							
G117.0	61.6	40.2	13.3							
G118.0	60.8	39.0	13.3							
G119.0	60.1	37.8	13.2							
G120.0	59.4	36.6	13.1							
G121.0	58.6	35.4	13.1							
G122.0	57.8	34.4	13.0							
G123.0	57.0	33.5	12.9							
G124.0	56.2	32.8	12.9							
G125.0	55.3	32.1	12.8							
G126.0	54.4	31.6	12.7							
G127.0	53.5	31.0	12.7							
G128.0	52.7	30.5	12.6							
G129.0	51.7	29.9	12.5							
G130.0	50.8	29.3	12.4							
G131.0	49.8	28.6	12.4							
G132.0	48.9	27.8	12.3							
G133.0	48.0	27.0	12.2							
G134.0	47.0	26.1	12.1							
G135.0	46.0	25.4	12.1							
G136.0	45.2	24.9	12.0							
G137.0	44.3	24.4	11.9							
G138.0	43.6	24.1	11.8							
G139.0	42.8	23.8	11.7							
G140.0	42.1	23.5	11.7							
G141.0	41.3	23.2	11.6							
G142.0	40.5	22.8	11.5							
G143.0	39.6	22.5	11.4							
G144.0	38.8	22.0	11.3							
G145.0	37.9	21.5	11.2							
G146.0	36.9	20.9	11.1							
G147.0	35.8	20.2	10.3							

C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 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	34.9	19.5	9.3							
G149.0	34.0	18.8	8.4							
G150.0	33.1	18.0	8.4							
G151.0	32.2	17.3	8.4							
G152.0	31.2	16.6	8.3							
G153.0	30.2	15.9	8.3							
G154.0	29.2	15.2	8.4							
G155.0	27.9	14.6	8.4							
G156.0	26.4	14.0	8.4							
G157.0	25.0	13.3	8.4							
G158.0	23.6	12.6	8.3							
G159.0	22.5	12.0	8.3							
G160.0	21.1	11.6	8.3							
G161.0	20.1	11.2	8.3							
G162.0	19.4	10.9	8.3							
G163.0	18.5	10.6	8.3							
G164.0	17.2	10.3	8.3							
G165.0	15.9	10.1	8.4							
G166.0	14.8	9.9	8.4							
G167.0	13.6	9.6	8.4							
G168.0	12.6	9.3	8.5							
G169.0	11.8	9.0	8.5							
G170.0	10.8	8.7	8.5							
G171.0	10.0	8.4	8.6							
G172.0	9.3	8.0	8.6							
G173.0	8.8	7.8	8.6							
G174.0	8.4	7.6	8.7							
G175.0	7.9	7.3	8.7							
G176.0	7.5	7.1	8.7							
G177.0	7.2	6.8	8.7							
G178.0	6.8	6.8	8.7							
G179.0	6.9	6.9	8.8							
G180.0	7.3	7.1	8.7							

C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 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: