

Report No.: BR202002014-1

Test Time: 2020-05-07 10:10

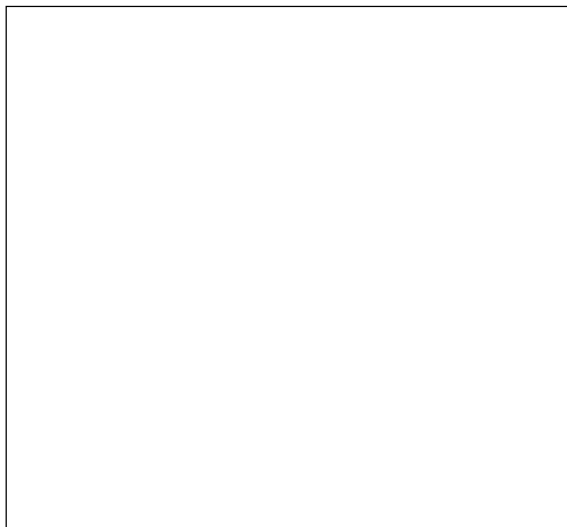
Luminaire Property

Luminaire Manufacturer:
Luminaire Category: NB
Luminaire Description: MX601A-LD20WDD-2FT
Lamp Catalog: SLE20-I400 120-277W D1 Lamp Description: 2835/3500K
Number of Lamps: 144 Lumens per Lamp: 30-34LM
Luminous Length (mm): 609 Luminous Width (mm): 70
Luminous Height (mm): 85 Voltage: 119.0 V
Current: 0.180 A Power: 21.45 W
Power Factor: 0.994

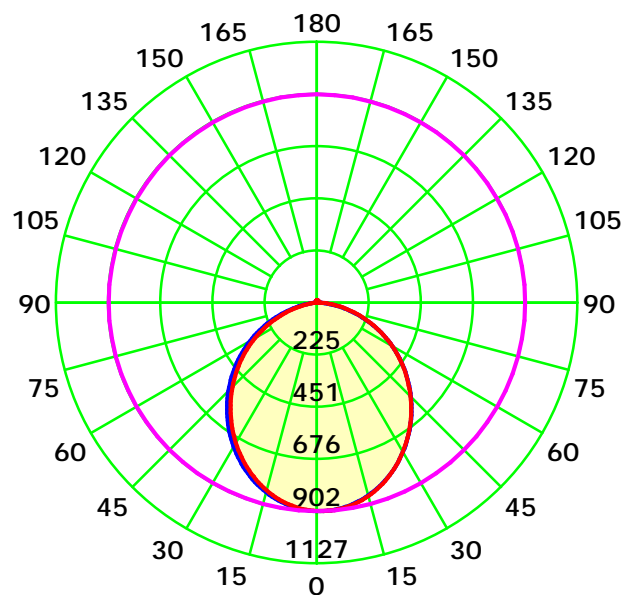
Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 4320.0 lm
Measurement Flux: 2389.8 lm	Efficiency: 55.32%
Downward Ratio: 54.64%	Upward Ratio: 0.68%
Field Angle: H157.6 V156.8	Beam Angle: H106.4 V104.5
Luminaire Efficacy Rating (LER): 111	Central Intensity: 901.97 cd
Max. Intensity: 902.37 cd	Pos of Max. Intensity: H0 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



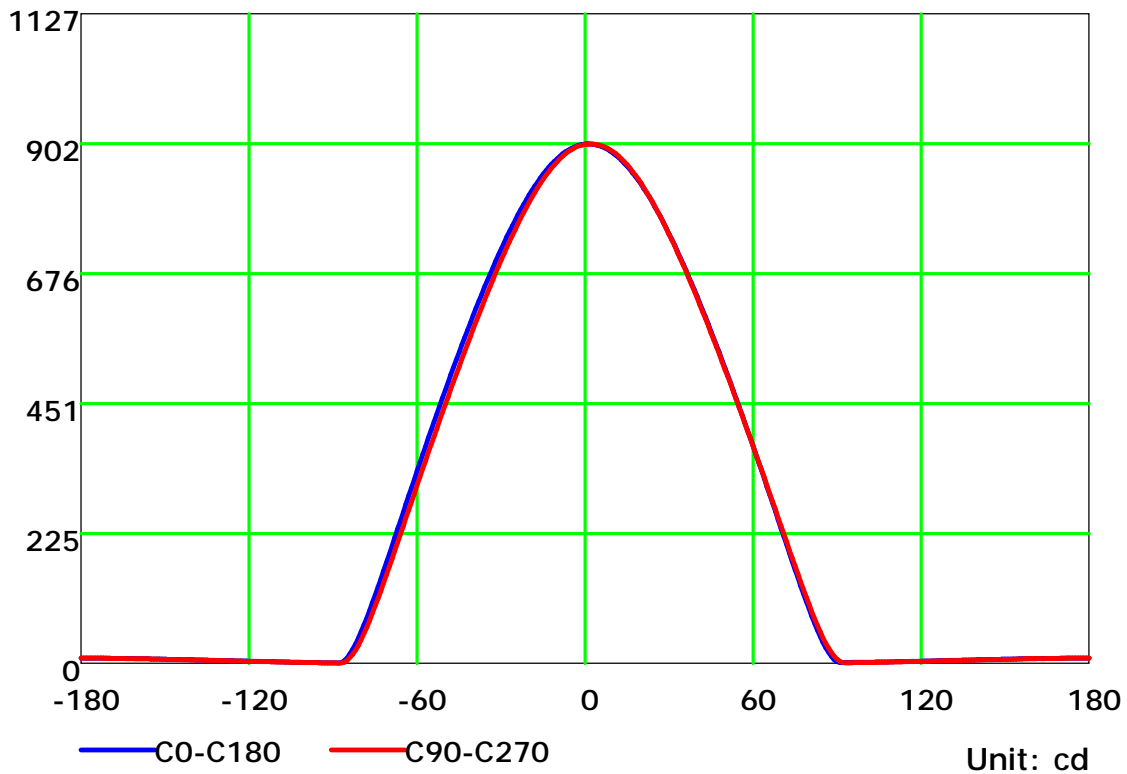
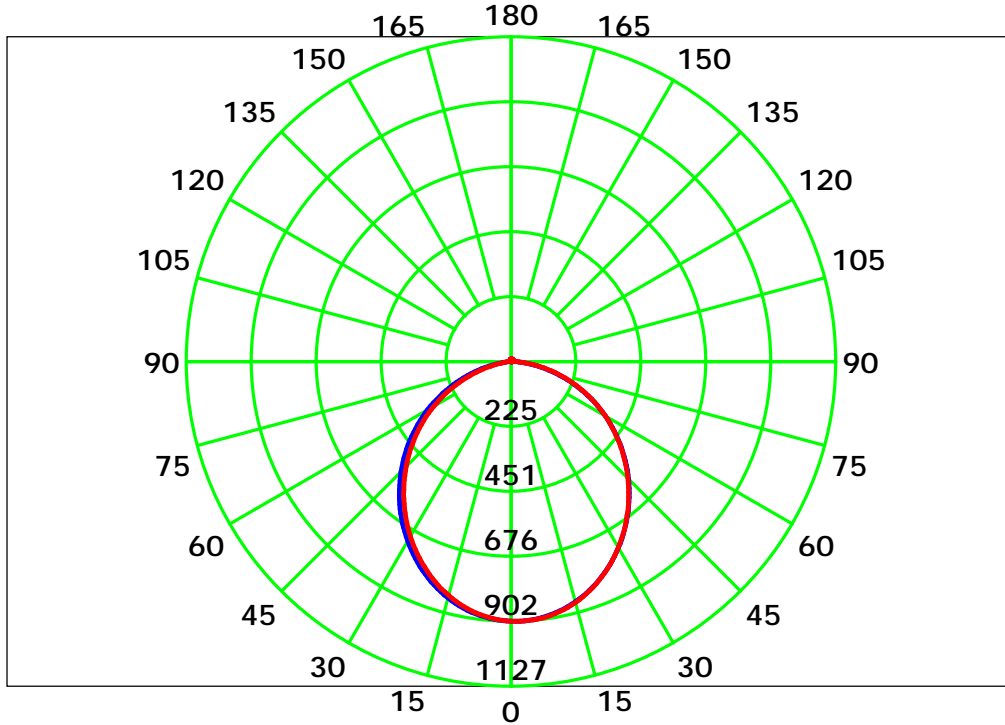
Average Diffuse Angle(50%): 105.4° Unit: cd

— C0-C180 — C90-C270 — G1

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:

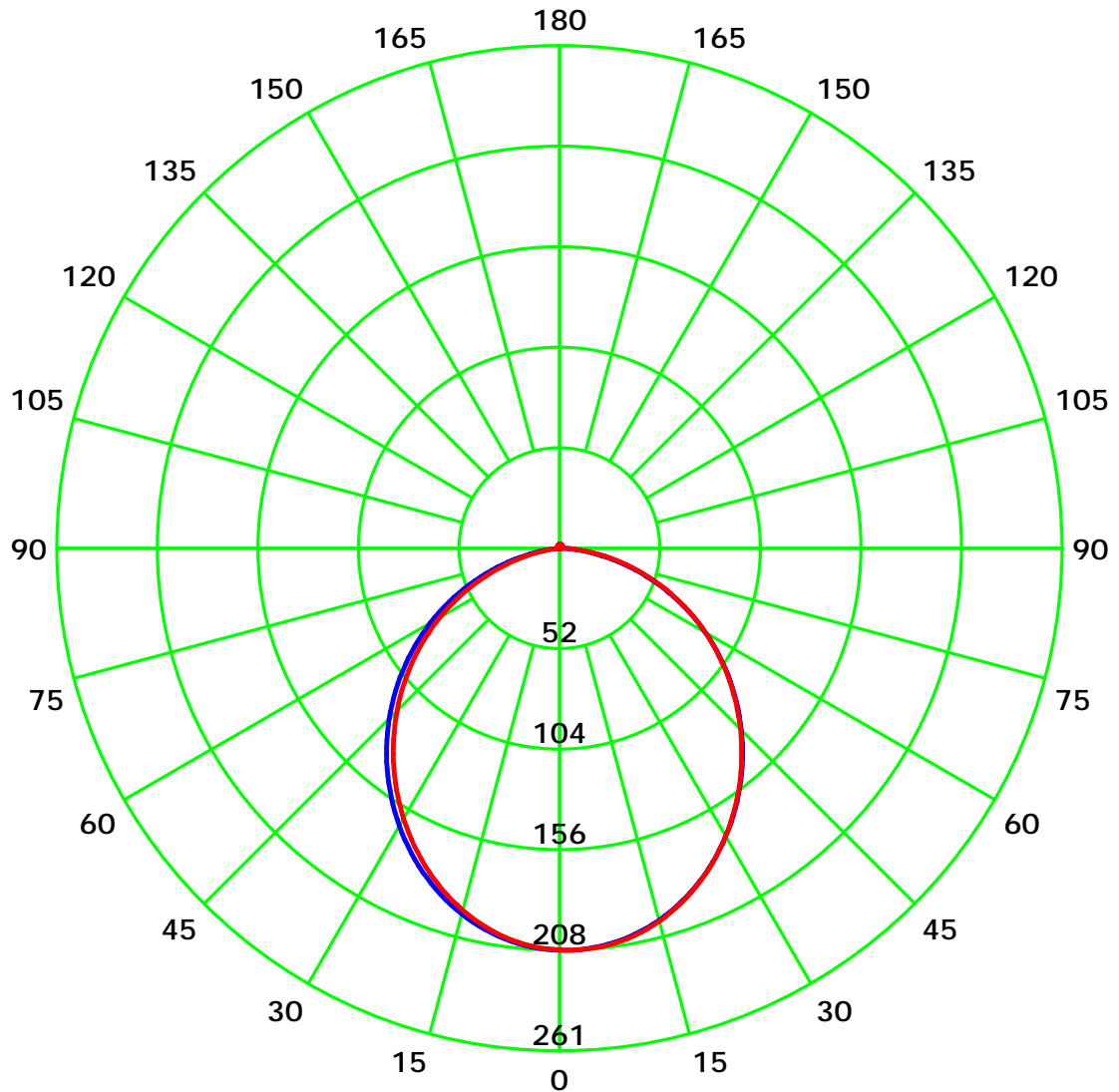
Luminous Intensity Distribution Curve



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)



cd/klm

— C0-C180

— C90-C270

$\eta=55.32\%$

SLE20-I400 120-277W D1/2835/3500K

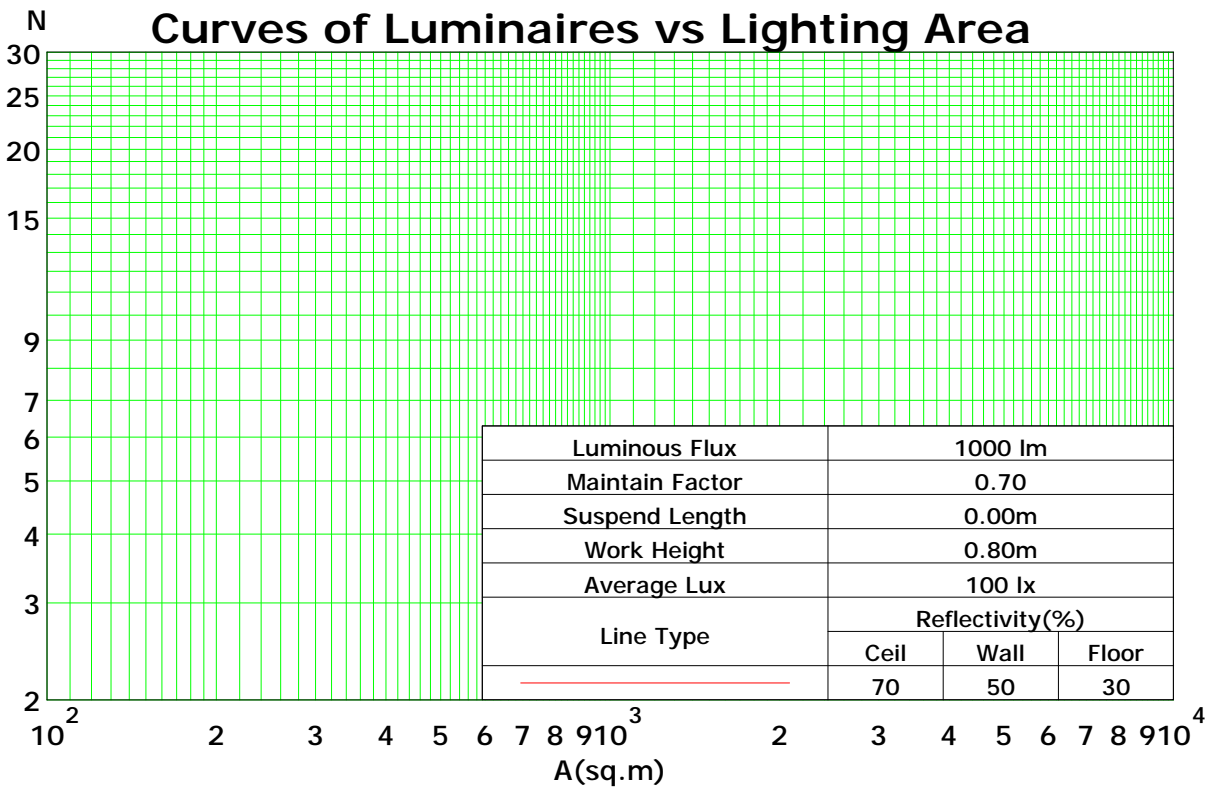
C Plane (°):0.0-360.0: 30.0
 Test Lab: 80
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

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	66	66	66	66	64	64	64	64	61	61	61	58	58	58	56	56	56	55
1	60	58	55	53	59	56	54	52	54	52	51	52	50	49	50	48	47	46
2	55	50	47	44	53	49	46	43	47	44	42	45	43	41	44	42	40	39
3	50	44	40	36	49	43	39	36	42	38	35	40	37	35	39	36	34	33
4	46	39	35	31	45	39	34	31	37	33	30	36	32	30	35	32	29	28
5	42	35	30	27	41	35	30	27	33	29	26	32	29	26	31	28	26	24
6	39	32	27	23	38	31	27	23	30	26	23	29	26	23	28	25	23	21
7	36	29	24	21	35	28	24	21	27	23	20	27	23	20	26	23	20	19
8	34	26	22	18	33	26	22	18	25	21	18	24	21	18	24	20	18	17
9	32	24	20	17	31	24	20	17	23	19	16	23	19	16	22	19	16	15
10	30	22	18	15	29	22	18	15	21	18	15	21	17	15	20	17	15	14

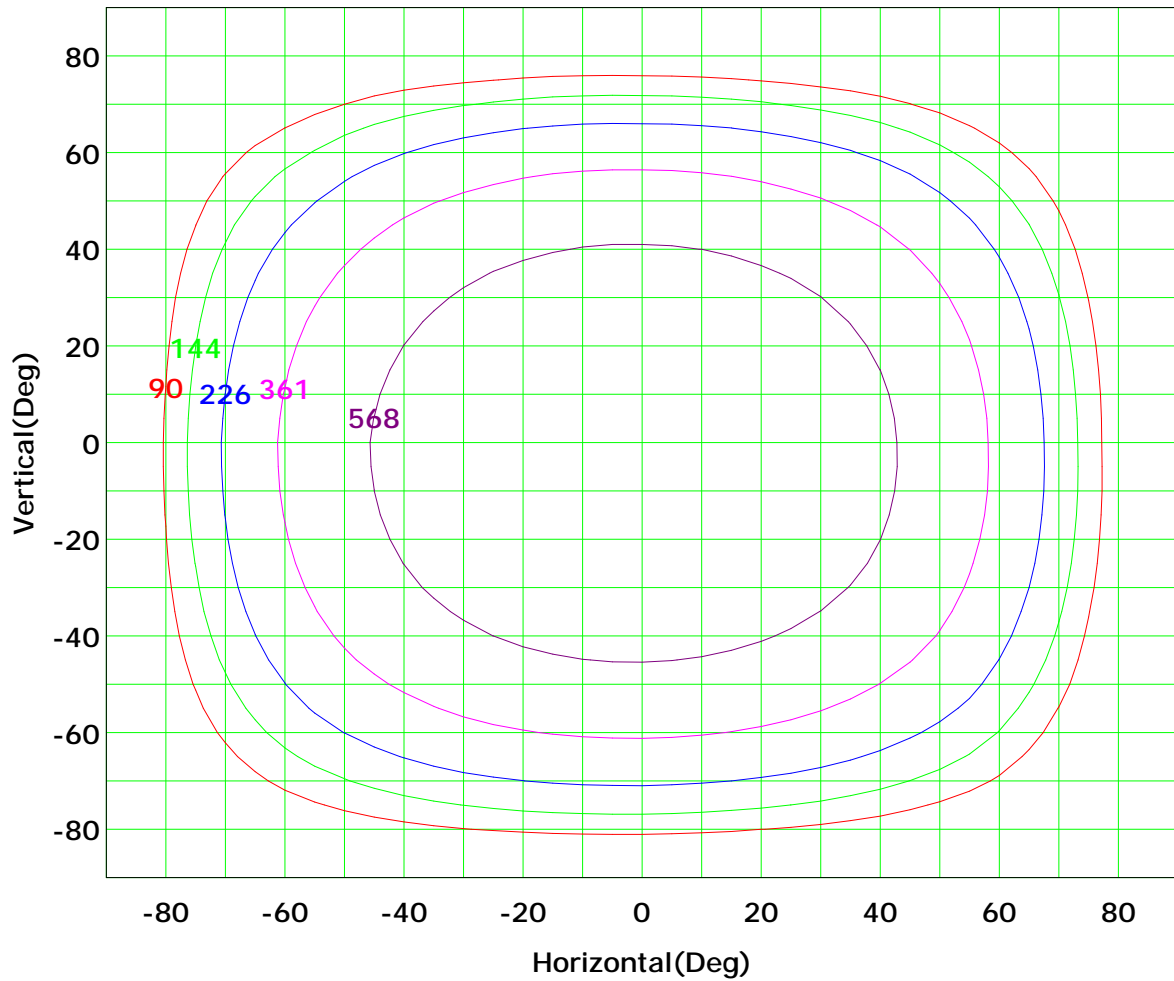
Spacing Criteria (0-180): 1.21
 Spacing Criteria (90-270): 1.20
 Spacing Criteria (Diagonal): 1.32



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)



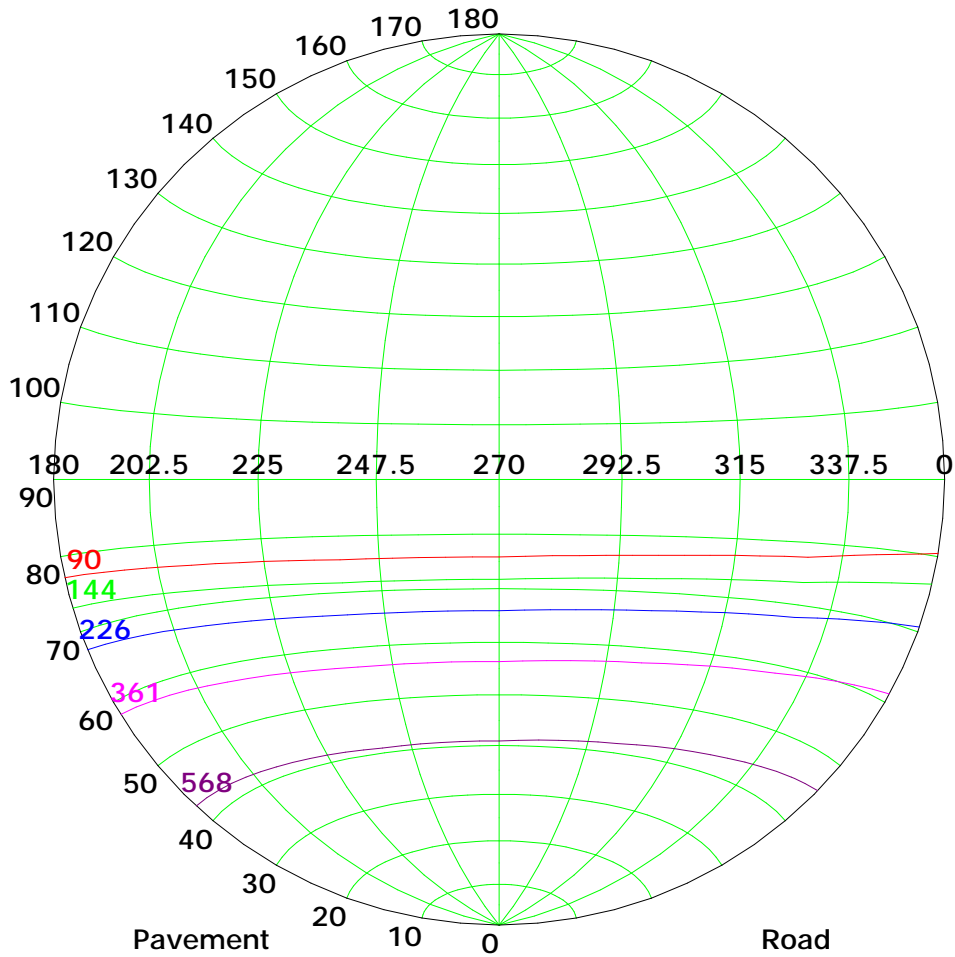
Imax (100%): 902 cd

— (10%): 90 cd	— (16%): 144 cd
— (25%): 226 cd	— (40%): 361 cd
— (63%): 568 cd	— (100%): 902 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)



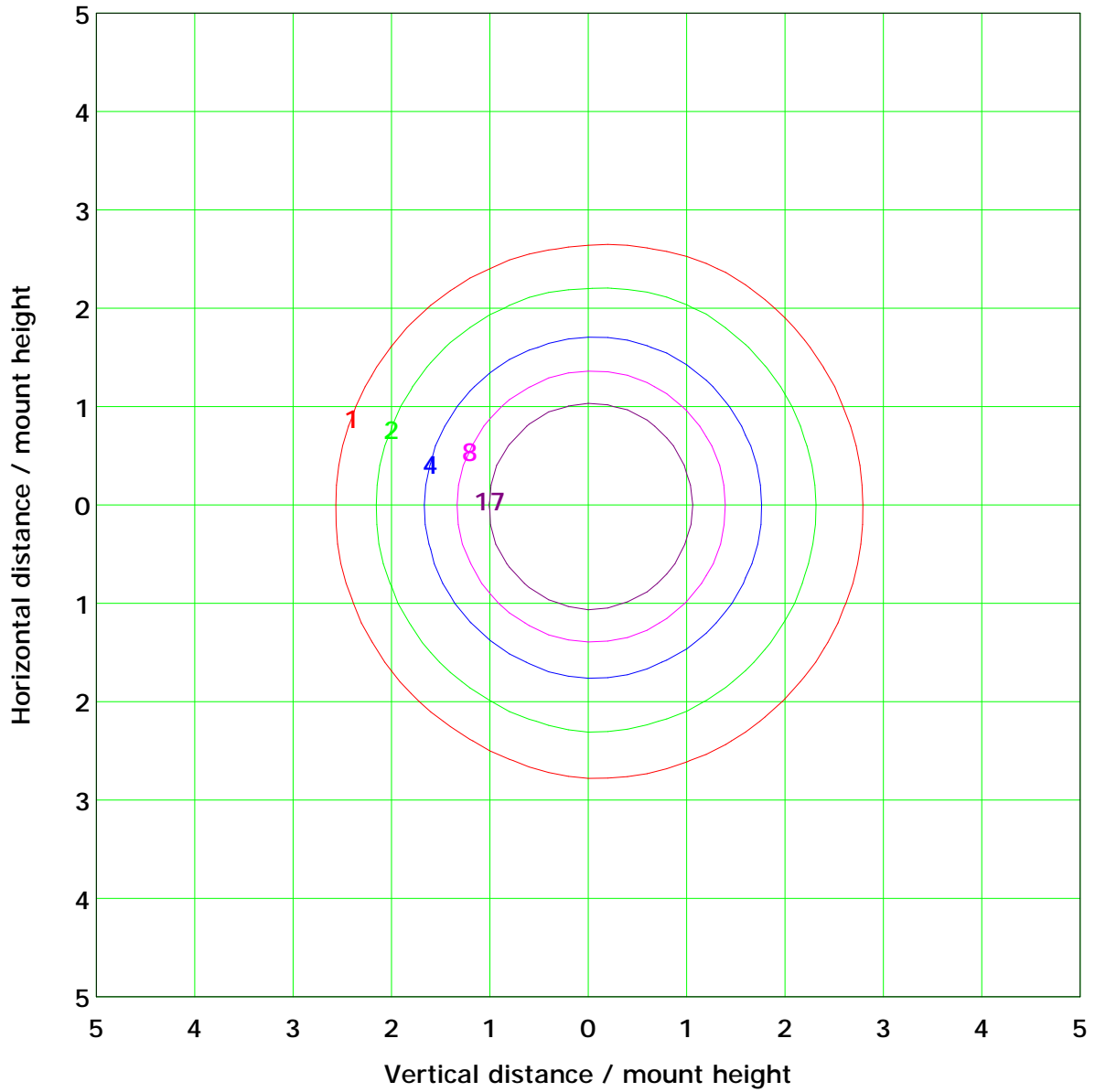
Imax (100%): 902 cd

— (10%): 90 cd	— (16%): 144 cd
— (25%): 226 cd	— (40%): 361 cd
— (63%): 568 cd	— (100%): 902 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



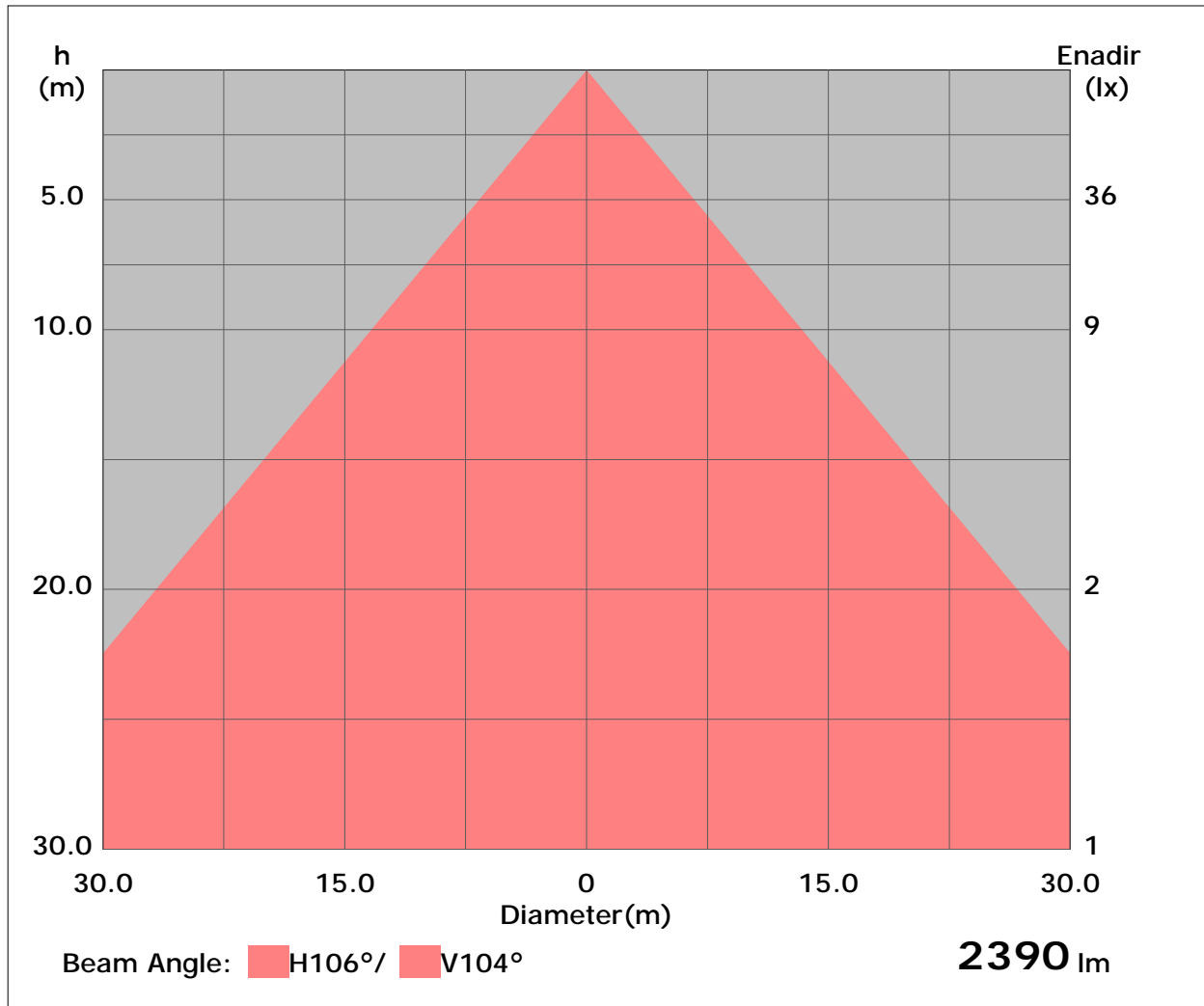
Mounting Height: 3.3m Max Lux(100%): 82.8 lx

— (1%): 0.8 lx	— (2%): 1.7 lx
— (5%): 4.1 lx	— (10%): 8.3 lx
— (20%): 16.6 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:

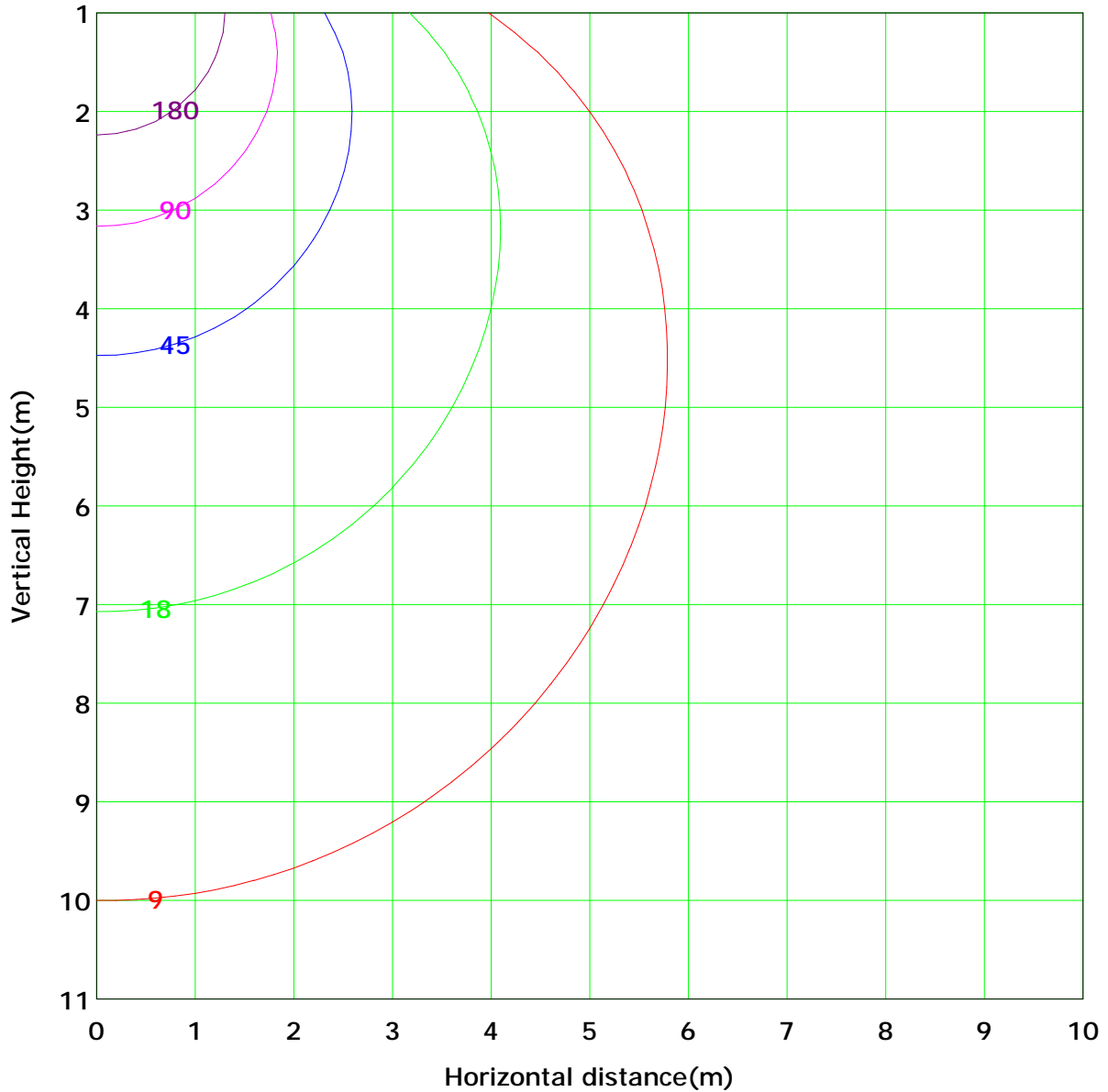
Illuminance at a Distance



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: 902.0 lx
 (1%): 9.0 lx (2%): 18.0 lx
 (5%): 45.1 lx (10%): 90.2 lx
 (20%): 180.4 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

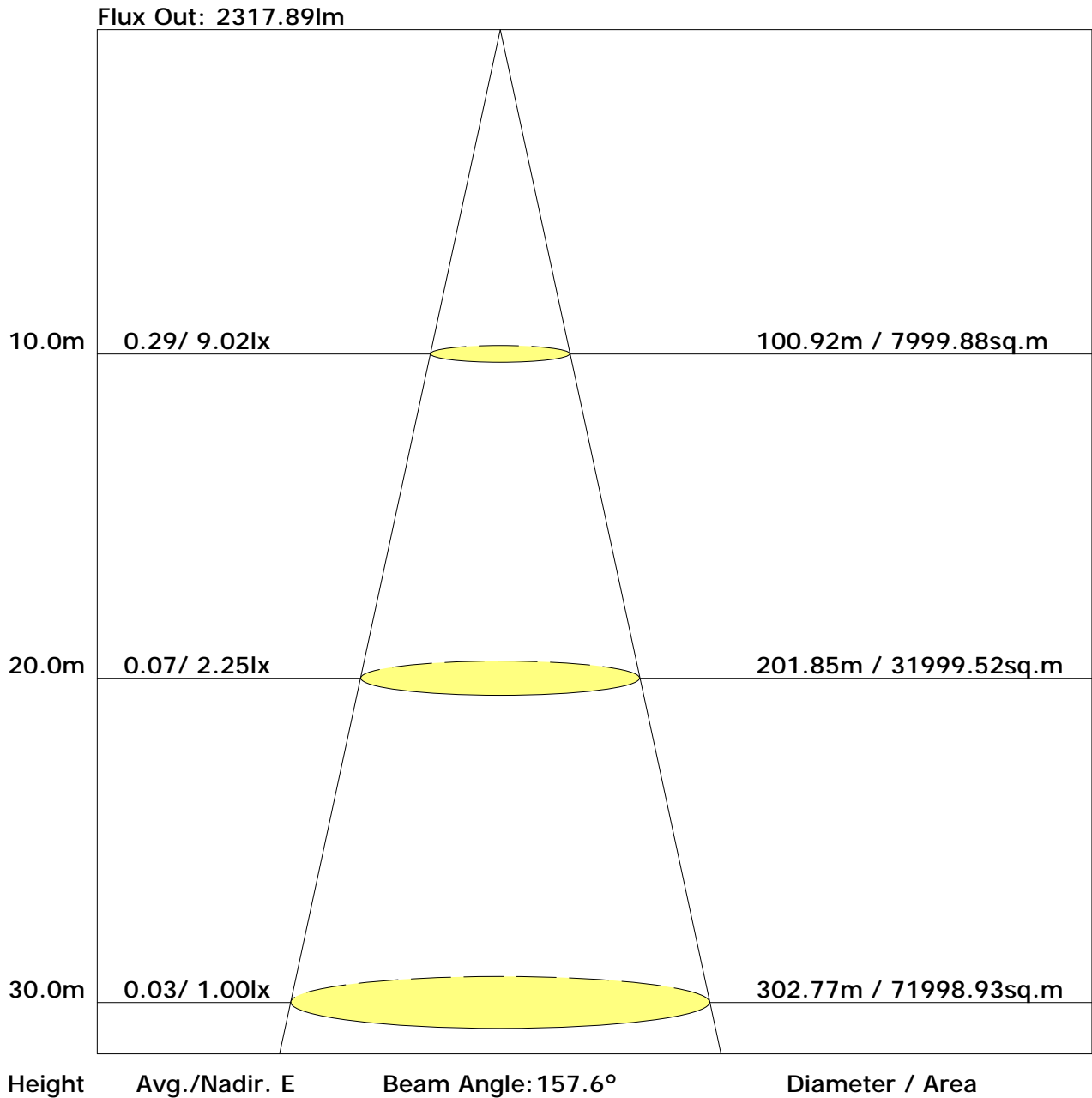
Unit: lm

		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)	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.6	Flux(E)	Flux(T)
0.0	0.6	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.6	0.0	0.6
6.2	9.6	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	31.9	34.4
31.9	34.4	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	31.9	70.7	73.2
70.7	73.2	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	70.7	118.2	120.6
118.2	120.6	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	118.2	168.6	171.0
168.6	171.0	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	168.6	215.3	217.7
215.3	217.7	215.3	215.3	215.3	215.3	215.3	215.3	215.3	215.3	215.3	215.3	215.3	215.3	215.3	215.3	215.3	215.3	215.3	215.3	215.3	252.0	254.4
252.0	254.4	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	252.0	273.0	275.2
273.0	275.2	273.0	273.0	273.0	273.0	273.0	273.0	273.0	273.0	273.0	273.0	273.0	273.0	273.0	273.0	273.0	273.0	273.0	273.0	273.0	274.5	276.8
274.5	276.8	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	274.5	256.6	258.9
256.6	258.9	256.6	256.6	256.6	256.6	256.6	256.6	256.6	256.6	256.6	256.6	256.6	256.6	256.6	256.6	256.6	256.6	256.6	256.6	256.6	221.9	224.3
221.9	224.3	221.9	221.9	221.9	221.9	221.9	221.9	221.9	221.9	221.9	221.9	221.9	221.9	221.9	221.9	221.9	221.9	221.9	221.9	221.9	176.3	178.6
176.3	178.6	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	176.3	126.1	128.5
126.1	128.5	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	126.1	78.2	80.6
78.2	80.6	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	38.4	40.8
38.4	40.8	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	38.4	10.9	13.6
10.9	13.6	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	10.9	0.0	1.6
0.0	1.6	0.0	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.3	0.3	0.4	0.5	0.6	0.7	0.8	0.6	2319	2360
2319	2360	2319	2319	2319	2319	2319	2319	2319	2319	2319	2319	2319	2319	2319	2319	2319	2319	2319	2319	2319	Flux(E)	Flux(T)

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

The Average Illuminance Effective Figure



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 Operator: QIU

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

UGR Table

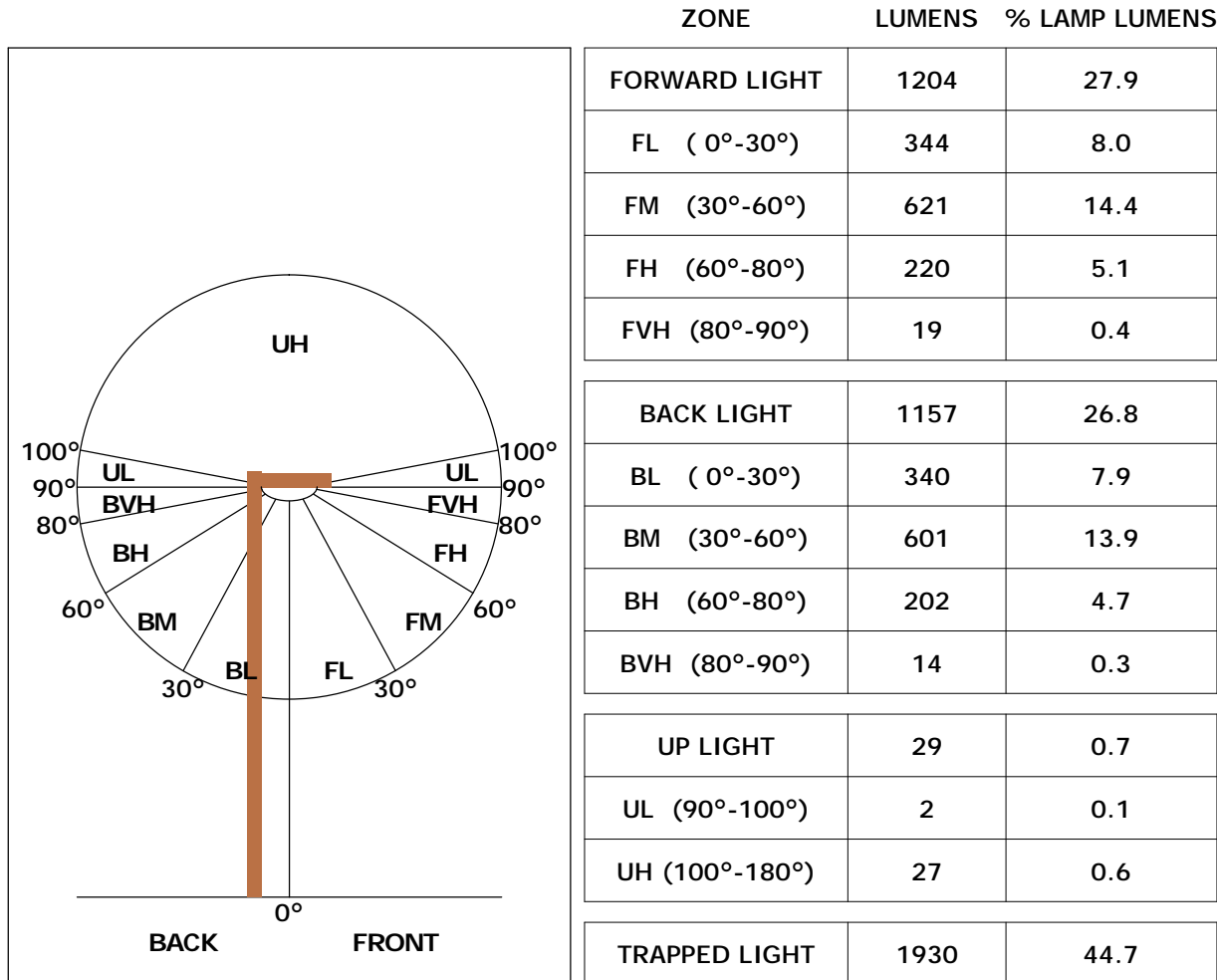
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	15.1	16.6	15.4	17.0	17.3	13.6	15.1	14.0	15.5	15.8
3H	16.8	18.2	17.2	18.5	18.9	14.9	16.4	15.3	16.7	17.1
4H	17.3	18.7	17.8	19.1	19.5	15.4	16.7	15.8	17.1	17.5
6H	17.7	19.0	18.2	19.4	19.8	15.6	16.9	16.1	17.3	17.7
8H	17.8	19.0	18.3	19.4	19.9	15.7	16.9	16.1	17.3	17.7
12H	17.9	19.0	18.3	19.4	19.9	15.7	16.8	16.1	17.2	17.7
X=4H Y=2H	15.3	16.7	15.8	17.1	17.5	14.2	15.5	14.6	15.9	16.3
3H	17.2	18.3	17.6	18.7	19.2	15.7	16.8	16.2	17.3	17.7
4H	17.9	18.9	18.3	19.3	19.8	16.3	17.3	16.7	17.7	18.2
6H	18.3	19.2	18.8	19.7	20.2	16.6	17.5	17.1	17.9	18.4
8H	18.4	19.3	18.9	19.7	20.2	16.7	17.5	17.1	17.9	18.4
12H	18.5	19.2	19.0	19.7	20.2	16.7	17.4	17.2	17.9	18.4
X=8H Y=4H	17.9	18.7	18.4	19.2	19.7	16.5	17.3	17.0	17.8	18.3
6H	18.4	19.1	18.9	19.6	20.1	16.9	17.6	17.4	18.1	18.6
8H	18.6	19.2	19.1	19.7	20.2	17.0	17.6	17.5	18.1	18.7
12H	18.7	19.2	19.2	19.7	20.3	17.1	17.6	17.6	18.1	18.7
X=12H Y=4H	17.9	18.6	18.4	19.1	19.6	16.5	17.2	17.0	17.7	18.2
6H	18.4	19.0	19.0	19.5	20.1	16.9	17.5	17.5	18.0	18.6
8H	18.6	19.1	19.1	19.6	20.2	17.1	17.6	17.6	18.1	18.7

Calculate in accordance with CIE 190:2010

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:

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 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U2 G1

C Plane (°):0.0-360.0: 30.0
Test Lab: 80
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Temperature: 23
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Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
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Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.25									
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	0.32	0.38	0.42	0.45	0.49	0.51	0.53	0.56	0.57	
	0.30		0.28	0.34	0.38	0.41	0.45	0.48	0.51	0.54	0.55	
	0.20		0.25	0.30	0.35	0.38	0.43	0.46	0.48	0.52	0.54	
0.50	0.50	0.20	0.31	0.36	0.40	0.43	0.47	0.49	0.51	0.53	0.55	
	0.30		0.27	0.33	0.37	0.40	0.44	0.47	0.49	0.52	0.53	
	0.20		0.24	0.30	0.34	0.37	0.42	0.45	0.47	0.50	0.52	
0.30	0.50	0.20	0.30	0.35	0.39	0.42	0.45	0.47	0.49	0.51	0.53	
	0.30		0.27	0.32	0.36	0.39	0.43	0.45	0.47	0.50	0.51	
	0.20		0.24	0.30	0.34	0.37	0.41	0.44	0.46	0.48	0.50	
0.00	0.00	0.00	0.23	0.28	0.32	0.35	0.39	0.41	0.43	0.46	0.47	
<p>Rating: 21W 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 = 1.25									
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	0.54	0.44	0.38	0.33	0.26	0.22	0.18	0.14	0.12	
	0.30		0.45	0.38	0.33	0.29	0.24	0.20	0.17	0.13	0.11	
	0.20		0.39	0.33	0.29	0.26	0.21	0.18	0.16	0.13	0.10	
0.50	0.50	0.20	0.52	0.42	0.36	0.31	0.25	0.22	0.17	0.13	0.11	
	0.30		0.44	0.37	0.32	0.28	0.23	0.19	0.16	0.13	0.10	
	0.20		0.38	0.33	0.28	0.25	0.21	0.18	0.15	0.12	0.10	
0.30	0.50	0.20	0.50	0.41	0.34	0.30	0.24	0.19	0.17	0.13	0.10	
	0.30		0.43	0.36	0.31	0.27	0.22	0.18	0.16	0.12	0.10	
	0.20		0.38	0.32	0.28	0.25	0.20	0.17	0.15	0.12	0.10	
0.00	0.00	0.00	0.32	0.27	0.23	0.20	0.16	0.13	0.11	0.09	0.07	
<p>Rating: 21W 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 = 1.25									
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	0.10	0.10	0.11	0.11	0.12	0.12	0.12	0.12	0.13	
	0.30		0.06	0.07	0.08	0.08	0.09	0.10	0.10	0.11	0.11	
	0.20		0.03	0.04	0.05	0.06	0.07	0.08	0.08	0.09	0.10	
0.50	0.50	0.20	0.09	0.10	0.10	0.11	0.11	0.11	0.12	0.12	0.12	
	0.30		0.06	0.07	0.07	0.08	0.09	0.09	0.10	0.10	0.11	
	0.20		0.03	0.04	0.05	0.06	0.07	0.08	0.08	0.09	0.10	
0.30	0.50	0.20	0.09	0.10	0.10	0.10	0.11	0.11	0.11	0.11	0.12	
	0.30		0.06	0.06	0.07	0.08	0.08	0.09	0.09	0.10	0.10	
	0.20		0.03	0.04	0.05	0.06	0.07	0.07	0.08	0.09	0.09	
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
<p>Rating: 21W 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	901.2	0.9	0.9	0.02	0.02
1.0-2.0	900.8	2.6	3.4	0.06	0.08
2.0-3.0	900.0	4.3	7.8	0.10	0.18
3.0-4.0	898.8	6.0	13.8	0.14	0.32
4.0-5.0	897.1	7.7	21.5	0.18	0.50
5.0-6.0	895.1	9.4	30.9	0.22	0.72
6.0-7.0	892.6	11.1	42.0	0.26	0.97
7.0-8.0	889.8	12.7	54.7	0.29	1.27
8.0-9.0	886.5	14.4	69.1	0.33	1.60
9.0-10.0	882.8	16.0	85.1	0.37	1.97
10.0-11.0	878.6	17.6	102.6	0.41	2.38
11.0-12.0	874.0	19.1	121.7	0.44	2.82
12.0-13.0	869.1	20.6	142.4	0.48	3.30
13.0-14.0	863.8	22.1	164.5	0.51	3.81
14.0-15.0	858.1	23.6	188.0	0.55	4.35
15.0-16.0	852.0	25.0	213.0	0.58	4.93
16.0-17.0	845.5	26.3	239.3	0.61	5.54
17.0-18.0	838.7	27.7	267.0	0.64	6.18
18.0-19.0	831.6	28.9	295.9	0.67	6.85
19.0-20.0	824.1	30.2	326.1	0.70	7.55
20.0-21.0	816.3	31.4	357.4	0.73	8.27
21.0-22.0	808.2	32.5	389.9	0.75	9.03
22.0-23.0	799.8	33.6	423.5	0.78	9.80
23.0-24.0	791.1	34.6	458.1	0.80	10.60
24.0-25.0	782.1	35.6	493.6	0.82	11.43
25.0-26.0	772.8	36.5	530.1	0.84	12.27
26.0-27.0	763.4	37.4	567.5	0.86	13.14
27.0-28.0	753.6	38.2	605.6	0.88	14.02
28.0-29.0	743.6	38.9	644.6	0.90	14.92
29.0-30.0	733.4	39.6	684.2	0.92	15.84
30.0-31.0	722.9	40.2	724.4	0.93	16.77
31.0-32.0	712.3	40.8	765.2	0.94	17.71
32.0-33.0	701.4	41.3	806.5	0.96	18.67
33.0-34.0	690.4	41.8	848.3	0.97	19.64
34.0-35.0	679.2	42.2	890.5	0.98	20.61
35.0-36.0	667.8	42.5	933.0	0.98	21.60

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	656.2	42.8	975.8	0.99	22.59
37.0-38.0	644.5	43.0	1018.9	1.00	23.58
38.0-39.0	632.6	43.2	1062.0	1.00	24.58
39.0-40.0	620.6	43.3	1105.3	1.00	25.59
40.0-41.0	608.4	43.3	1148.7	1.00	26.59
41.0-42.0	596.0	43.3	1192.0	1.00	27.59
42.0-43.0	583.6	43.2	1235.2	1.00	28.59
43.0-44.0	571.0	43.1	1278.3	1.00	29.59
44.0-45.0	558.3	42.9	1321.2	0.99	30.58
45.0-46.0	545.6	42.7	1363.9	0.99	31.57
46.0-47.0	532.7	42.4	1406.3	0.98	32.55
47.0-48.0	519.7	42.0	1448.3	0.97	33.53
48.0-49.0	506.6	41.6	1489.9	0.96	34.49
49.0-50.0	493.4	41.1	1531.0	0.95	35.44
50.0-51.0	480.1	40.6	1571.7	0.94	36.38
51.0-52.0	466.8	40.1	1611.7	0.93	37.31
52.0-53.0	453.3	39.4	1651.2	0.91	38.22
53.0-54.0	439.8	38.8	1689.9	0.90	39.12
54.0-55.0	426.2	38.0	1728.0	0.88	40.00
55.0-56.0	412.5	37.3	1765.2	0.86	40.86
56.0-57.0	398.8	36.5	1801.7	0.84	41.71
57.0-58.0	384.9	35.6	1837.3	0.82	42.53
58.0-59.0	371.0	34.7	1872.0	0.80	43.33
59.0-60.0	357.1	33.7	1905.7	0.78	44.11
60.0-61.0	343.0	32.7	1938.5	0.76	44.87
61.0-62.0	328.8	31.7	1970.2	0.73	45.61
62.0-63.0	314.7	30.6	2000.8	0.71	46.31
63.0-64.0	300.6	29.5	2030.3	0.68	47.00
64.0-65.0	286.4	28.3	2058.6	0.66	47.65
65.0-66.0	272.1	27.2	2085.8	0.63	48.28
66.0-67.0	257.9	25.9	2111.7	0.60	48.88
67.0-68.0	243.7	24.7	2136.4	0.57	49.45
68.0-69.0	229.4	23.4	2159.8	0.54	50.00
69.0-70.0	215.1	22.1	2181.9	0.51	50.51
70.0-71.0	200.9	20.8	2202.7	0.48	50.99
71.0-72.0	186.7	19.4	2222.1	0.45	51.44

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	172.6	18.1	2240.1	0.42	51.86
73.0-74.0	158.7	16.7	2256.8	0.39	52.24
74.0-75.0	144.9	15.3	2272.1	0.35	52.60
75.0-76.0	131.3	13.9	2286.1	0.32	52.92
76.0-77.0	117.9	12.6	2298.7	0.29	53.21
77.0-78.0	104.8	11.2	2309.9	0.26	53.47
78.0-79.0	92.1	9.9	2319.8	0.23	53.70
79.0-80.0	79.9	8.6	2328.4	0.20	53.90
80.0-81.0	68.1	7.4	2335.8	0.17	54.07
81.0-82.0	57.0	6.2	2341.9	0.14	54.21
82.0-83.0	46.6	5.1	2347.0	0.12	54.33
83.0-84.0	37.1	4.0	2351.0	0.09	54.42
84.0-85.0	28.6	3.1	2354.2	0.07	54.49
85.0-86.0	21.2	2.3	2356.5	0.05	54.55
86.0-87.0	15.2	1.7	2358.1	0.04	54.59
87.0-88.0	10.5	1.2	2359.3	0.03	54.61
88.0-89.0	7.2	0.8	2360.1	0.02	54.63
89.0-90.0	4.7	0.5	2360.6	0.01	54.64
90.0-91.0	2.9	0.3	2360.9	0.01	54.65
91.0-92.0	2.0	0.2	2361.1	0.01	54.66
92.0-93.0	1.7	0.2	2361.3	0.00	54.66
93.0-94.0	1.7	0.2	2361.5	0.00	54.66
94.0-95.0	1.8	0.2	2361.7	0.00	54.67
95.0-96.0	1.8	0.2	2361.9	0.00	54.67
96.0-97.0	1.9	0.2	2362.1	0.00	54.68
97.0-98.0	2.0	0.2	2362.3	0.00	54.68
98.0-99.0	2.0	0.2	2362.5	0.01	54.69
99.0-100.0	2.1	0.2	2362.8	0.01	54.69
100.0-101.0	2.2	0.2	2363.0	0.01	54.70
101.0-102.0	2.3	0.2	2363.3	0.01	54.70
102.0-103.0	2.4	0.3	2363.5	0.01	54.71
103.0-104.0	2.5	0.3	2363.8	0.01	54.72
104.0-105.0	2.5	0.3	2364.0	0.01	54.72
105.0-106.0	2.6	0.3	2364.3	0.01	54.73
106.0-107.0	2.7	0.3	2364.6	0.01	54.74
107.0-108.0	2.8	0.3	2364.9	0.01	54.74

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	2.9	0.3	2365.2	0.01	54.75
109.0-110.0	3.0	0.3	2365.5	0.01	54.76
110.0-111.0	3.2	0.3	2365.8	0.01	54.76
111.0-112.0	3.3	0.3	2366.2	0.01	54.77
112.0-113.0	3.4	0.3	2366.5	0.01	54.78
113.0-114.0	3.5	0.4	2366.9	0.01	54.79
114.0-115.0	3.6	0.4	2367.2	0.01	54.80
115.0-116.0	3.7	0.4	2367.6	0.01	54.81
116.0-117.0	3.8	0.4	2368.0	0.01	54.81
117.0-118.0	3.9	0.4	2368.4	0.01	54.82
118.0-119.0	4.0	0.4	2368.7	0.01	54.83
119.0-120.0	4.2	0.4	2369.1	0.01	54.84
120.0-121.0	4.3	0.4	2369.5	0.01	54.85
121.0-122.0	4.4	0.4	2370.0	0.01	54.86
122.0-123.0	4.5	0.4	2370.4	0.01	54.87
123.0-124.0	4.6	0.4	2370.8	0.01	54.88
124.0-125.0	4.7	0.4	2371.2	0.01	54.89
125.0-126.0	4.8	0.4	2371.7	0.01	54.90
126.0-127.0	5.0	0.4	2372.1	0.01	54.91
127.0-128.0	5.1	0.4	2372.5	0.01	54.92
128.0-129.0	5.2	0.4	2373.0	0.01	54.93
129.0-130.0	5.3	0.4	2373.4	0.01	54.94
130.0-131.0	5.4	0.5	2373.9	0.01	54.95
131.0-132.0	5.6	0.5	2374.3	0.01	54.96
132.0-133.0	5.7	0.5	2374.8	0.01	54.97
133.0-134.0	5.8	0.5	2375.3	0.01	54.98
134.0-135.0	5.9	0.5	2375.7	0.01	54.99
135.0-136.0	6.1	0.5	2376.2	0.01	55.00
136.0-137.0	6.2	0.5	2376.7	0.01	55.02
137.0-138.0	6.3	0.5	2377.1	0.01	55.03
138.0-139.0	6.4	0.5	2377.6	0.01	55.04
139.0-140.0	6.5	0.5	2378.1	0.01	55.05
140.0-141.0	6.7	0.5	2378.5	0.01	55.06
141.0-142.0	6.8	0.5	2379.0	0.01	55.07
142.0-143.0	6.9	0.5	2379.4	0.01	55.08
143.0-144.0	7.0	0.5	2379.9	0.01	55.09

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	7.1	0.5	2380.4	0.01	55.10
145.0-146.0	7.2	0.4	2380.8	0.01	55.11
146.0-147.0	7.3	0.4	2381.2	0.01	55.12
147.0-148.0	7.4	0.4	2381.7	0.01	55.13
148.0-149.0	7.5	0.4	2382.1	0.01	55.14
149.0-150.0	7.7	0.4	2382.5	0.01	55.15
150.0-151.0	7.8	0.4	2383.0	0.01	55.16
151.0-152.0	7.9	0.4	2383.4	0.01	55.17
152.0-153.0	8.0	0.4	2383.8	0.01	55.18
153.0-154.0	8.1	0.4	2384.2	0.01	55.19
154.0-155.0	8.2	0.4	2384.6	0.01	55.20
155.0-156.0	8.3	0.4	2384.9	0.01	55.21
156.0-157.0	8.4	0.4	2385.3	0.01	55.22
157.0-158.0	8.5	0.4	2385.7	0.01	55.22
158.0-159.0	8.6	0.3	2386.0	0.01	55.23
159.0-160.0	8.7	0.3	2386.3	0.01	55.24
160.0-161.0	8.7	0.3	2386.7	0.01	55.25
161.0-162.0	8.8	0.3	2387.0	0.01	55.25
162.0-163.0	8.9	0.3	2387.3	0.01	55.26
163.0-164.0	8.9	0.3	2387.5	0.01	55.27
164.0-165.0	9.0	0.3	2387.8	0.01	55.27
165.0-166.0	9.1	0.2	2388.1	0.01	55.28
166.0-167.0	9.1	0.2	2388.3	0.01	55.28
167.0-168.0	9.2	0.2	2388.5	0.01	55.29
168.0-169.0	9.3	0.2	2388.7	0.00	55.29
169.0-170.0	9.3	0.2	2388.9	0.00	55.30
170.0-171.0	9.4	0.2	2389.1	0.00	55.30
171.0-172.0	9.5	0.2	2389.2	0.00	55.31
172.0-173.0	9.5	0.1	2389.4	0.00	55.31
173.0-174.0	9.6	0.1	2389.5	0.00	55.31
174.0-175.0	9.6	0.1	2389.6	0.00	55.31
175.0-176.0	9.6	0.1	2389.7	0.00	55.32
176.0-177.0	9.7	0.1	2389.7	0.00	55.32
177.0-178.0	9.7	0.0	2389.8	0.00	55.32
178.0-179.0	9.7	0.0	2389.8	0.00	55.32
179.0-180.0	9.7	0.0	2389.8	0.00	55.32

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	902.0	901.3	901.3	901.5	901.0	900.7	902.0	901.3	901.3	901.5
G1.0	902.4	901.9	902.0	901.8	901.2	900.6	901.3	900.4	900.4	900.3
G2.0	902.2	902.0	902.3	902.0	901.0	899.8	900.2	899.0	898.9	899.1
G3.0	901.6	901.9	902.1	901.8	900.6	898.7	898.8	897.4	896.9	897.5
G4.0	900.6	901.0	901.6	901.2	899.5	897.5	896.7	894.9	894.5	895.0
G5.0	899.2	900.1	900.7	900.5	898.3	895.7	894.5	892.4	891.8	892.3
G6.0	897.5	898.5	899.7	898.9	896.7	893.4	891.7	889.4	888.7	889.1
G7.0	895.3	896.9	897.9	897.2	894.6	890.7	888.5	886.0	884.9	885.3
G8.0	893.0	894.7	895.7	894.9	892.1	887.8	885.2	882.2	880.8	881.3
G9.0	889.8	891.9	893.4	892.2	889.0	884.6	881.1	878.0	876.2	877.0
G10.0	886.5	889.1	890.5	889.0	885.5	881.0	876.8	873.1	871.1	871.8
G11.0	882.5	885.6	886.7	885.2	881.6	876.6	872.2	868.0	865.8	866.2
G12.0	878.5	881.9	882.9	881.0	877.3	872.3	867.0	862.6	859.7	860.7
G13.0	874.0	877.7	878.7	876.6	872.7	867.3	861.8	856.8	853.7	854.4
G14.0	869.0	872.9	873.7	871.5	867.6	862.1	855.9	850.5	847.3	848.0
G15.0	863.8	868.1	869.0	866.4	862.0	856.4	849.6	844.0	840.5	840.8
G16.0	858.1	862.6	863.5	860.6	856.3	850.4	843.1	837.1	833.1	833.5
G17.0	852.2	856.7	857.2	854.4	849.8	844.0	836.0	829.7	825.3	826.3
G18.0	846.1	850.8	851.1	848.2	843.3	837.3	829.2	822.4	817.3	818.0
G19.0	839.2	844.5	844.6	841.3	836.3	830.0	821.4	814.6	809.2	809.8
G20.0	832.5	837.7	837.8	834.3	829.1	822.7	813.7	806.3	800.6	801.0
G21.0	825.0	830.5	830.2	826.8	821.4	814.9	805.5	797.8	792.1	792.4
G22.0	817.6	823.3	822.7	818.5	813.4	806.9	797.0	788.9	782.8	783.1
G23.0	809.7	815.3	814.7	810.5	805.4	798.8	788.2	779.5	773.3	773.5
G24.0	801.5	807.4	806.4	802.0	796.5	790.3	779.3	770.7	763.6	764.0
G25.0	792.8	798.9	797.9	793.5	788.2	781.2	769.7	760.6	753.5	753.7
G26.0	784.2	790.3	789.2	784.4	779.0	772.3	760.5	751.0	743.6	743.7
G27.0	775.2	781.4	780.2	775.3	769.6	763.2	750.3	741.1	733.2	733.0
G28.0	765.7	772.1	770.9	765.4	759.9	753.3	740.8	730.7	722.7	722.6
G29.0	756.4	762.8	761.2	756.0	750.3	743.5	730.4	719.8	711.4	711.8
G30.0	746.2	753.2	751.3	745.6	739.8	733.5	719.9	708.9	700.8	700.7
G31.0	736.5	743.2	741.5	735.6	729.9	723.3	709.0	698.3	689.3	689.5
G32.0	726.4	733.2	730.7	725.3	719.2	712.7	698.3	687.0	678.5	678.0
G33.0	716.0	722.5	720.4	714.5	708.7	702.2	686.9	675.8	666.5	666.3
G34.0	705.0	711.8	709.5	704.0	697.7	691.0	675.9	664.3	655.1	654.5
G35.0	694.5	701.4	698.8	692.5	686.7	680.2	664.2	652.4	642.8	642.7
G36.0	683.3	690.1	687.6	681.9	675.6	668.8	653.0	640.7	630.8	630.5

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	672.0	679.3	676.8	670.2	664.2	658.0	641.0	628.4	618.4	618.2
G38.0	660.8	667.7	665.1	658.9	652.7	646.1	629.2	616.2	605.9	606.1
G39.0	649.3	656.2	653.5	647.1	641.3	634.4	617.1	603.8	593.8	593.5
G40.0	637.3	644.5	641.8	635.4	629.3	622.5	604.5	591.8	581.4	580.7
G41.0	625.7	633.0	629.8	623.2	617.5	610.7	591.8	579.1	568.2	567.9
G42.0	613.7	620.5	617.9	610.7	605.0	598.6	579.3	566.4	555.4	555.2
G43.0	602.1	608.8	605.9	599.4	592.8	586.7	566.4	553.4	542.8	541.9
G44.0	589.0	596.0	593.4	586.7	580.6	574.0	554.0	540.6	529.5	529.2
G45.0	576.9	583.8	581.2	574.3	568.3	561.6	540.8	527.8	516.3	515.9
G46.0	564.2	571.2	568.6	562.0	555.5	549.1	528.2	514.3	503.1	503.0
G47.0	551.7	559.1	555.9	549.3	542.9	536.3	514.6	501.0	490.1	490.0
G48.0	539.1	546.0	543.4	536.2	530.0	523.5	501.2	487.9	477.0	476.3
G49.0	526.1	533.4	530.5	523.9	517.3	510.7	488.2	474.2	463.3	462.4
G50.0	512.9	520.3	517.2	510.3	504.1	497.6	474.4	461.0	449.7	449.5
G51.0	500.1	507.2	504.5	498.0	491.4	484.9	460.8	447.3	435.8	435.7
G52.0	486.6	493.9	491.0	485.1	478.2	471.6	447.1	433.3	422.7	421.8
G53.0	473.5	480.8	478.2	471.9	465.3	458.5	433.6	419.3	408.1	408.1
G54.0	460.0	467.0	464.9	458.8	451.8	445.4	420.0	405.8	395.2	394.5
G55.0	446.6	454.0	451.9	444.9	438.6	431.8	405.6	391.4	380.9	380.5
G56.0	432.7	440.4	438.4	431.8	425.1	418.3	391.8	377.9	367.2	366.8
G57.0	419.8	427.3	424.9	418.5	411.9	404.6	377.3	363.5	353.1	352.5
G58.0	405.6	413.1	411.1	405.0	398.2	390.8	363.5	349.3	339.0	339.0
G59.0	392.0	399.7	397.5	391.7	385.2	377.4	349.2	335.2	324.5	324.2
G60.0	377.6	385.7	383.7	377.7	371.2	363.3	334.9	321.1	310.9	310.5
G61.0	364.1	371.6	370.0	364.4	357.6	349.5	320.2	306.1	296.4	295.8
G62.0	349.8	357.7	355.9	350.5	343.6	336.1	306.0	291.9	281.7	281.5
G63.0	336.0	343.7	342.4	336.8	329.5	322.2	291.7	277.8	267.7	267.1
G64.0	321.7	329.6	328.4	323.1	316.1	308.0	276.8	263.3	253.3	253.4
G65.0	307.1	315.6	314.5	309.4	302.0	294.1	262.5	248.7	239.2	238.7
G66.0	293.0	301.3	300.6	295.0	288.6	279.6	247.6	234.3	224.8	224.8
G67.0	278.5	286.9	286.5	280.7	274.6	265.7	233.4	219.8	210.9	210.6
G68.0	264.1	272.6	272.3	267.3	260.2	251.9	218.9	205.4	196.3	196.0
G69.0	249.6	258.5	258.5	253.3	246.1	237.4	204.3	191.1	182.1	181.9
G70.0	235.0	244.1	244.3	239.5	232.4	223.4	189.4	177.1	168.0	167.8
G71.0	221.1	229.9	230.2	225.3	218.1	209.4	175.3	162.4	154.3	153.8
G72.0	206.3	215.4	216.0	211.2	204.4	195.5	160.9	148.6	140.0	139.9
G73.0	192.5	201.0	202.1	197.1	190.4	180.8	147.0	134.9	126.6	126.2

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 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	177.8	186.7	187.7	183.6	176.5	167.1	132.9	120.8	112.8	113.3
G75.0	163.0	172.6	173.8	169.8	162.7	153.7	118.8	107.6	100.0	100.3
G76.0	149.6	158.8	160.0	156.0	149.4	139.6	105.6	94.2	86.9	87.3
G77.0	135.3	144.6	145.9	142.3	135.6	126.2	92.7	81.7	74.6	75.0
G78.0	121.7	131.0	132.8	129.0	122.3	112.9	79.3	69.1	63.0	63.2
G79.0	108.3	117.2	119.2	115.9	109.4	100.0	67.3	57.5	51.7	52.3
G80.0	95.2	104.3	106.1	103.1	96.3	87.3	55.4	46.5	41.2	41.5
G81.0	82.7	91.1	93.3	90.5	83.9	75.1	44.8	36.1	31.8	32.1
G82.0	70.2	78.9	81.3	78.1	72.0	63.1	34.3	26.9	23.1	23.4
G83.0	58.2	66.6	69.2	66.4	60.6	52.1	25.0	18.9	16.1	16.4
G84.0	47.2	55.2	57.8	55.4	49.8	41.5	17.0	11.8	10.1	10.6
G85.0	37.0	44.1	47.1	45.0	39.5	31.7	10.3	6.7	5.6	6.0
G86.0	27.6	34.5	37.3	35.4	30.4	23.1	5.4	3.3	2.3	2.5
G87.0	19.5	25.6	28.0	26.7	22.0	15.7	2.2	1.3	1.1	1.1
G88.0	12.6	17.9	20.3	19.2	15.6	9.6	1.2	1.2	1.1	1.1
G89.0	7.2	11.4	13.8	12.9	9.8	5.3	1.3	1.3	1.2	1.2
G90.0	3.7	6.7	8.6	8.0	5.5	2.5	1.3	1.3	1.3	1.2
G91.0	2.1	3.5	4.7	4.1	2.5	1.5	1.4	1.4	1.3	1.3
G92.0	2.1	2.1	2.2	1.8	1.6	1.5	1.5	1.5	1.4	1.4
G93.0	2.2	2.1	1.9	1.6	1.6	1.6	1.5	1.5	1.5	1.5
G94.0	2.2	2.1	1.9	1.6	1.6	1.7	1.6	1.6	1.6	1.5
G95.0	2.3	2.1	1.9	1.7	1.7	1.7	1.7	1.7	1.7	1.6
G96.0	2.3	2.1	1.9	1.7	1.7	1.8	1.8	1.8	1.8	1.7
G97.0	2.4	2.2	1.9	1.8	1.8	1.9	1.9	1.9	1.9	1.8
G98.0	2.4	2.3	1.9	1.8	1.9	2.0	2.0	2.0	1.9	1.9
G99.0	2.5	2.3	2.0	1.9	2.0	2.1	2.1	2.1	2.0	2.0
G100.0	2.5	2.3	2.0	2.0	2.0	2.2	2.2	2.2	2.1	2.1
G101.0	2.6	2.4	2.1	2.0	2.1	2.3	2.3	2.3	2.2	2.1
G102.0	2.7	2.5	2.1	2.1	2.2	2.4	2.4	2.4	2.3	2.3
G103.0	2.7	2.5	2.2	2.2	2.3	2.5	2.5	2.5	2.4	2.3
G104.0	2.8	2.6	2.3	2.3	2.4	2.6	2.6	2.6	2.5	2.4
G105.0	2.9	2.7	2.4	2.4	2.5	2.7	2.7	2.7	2.6	2.5
G106.0	2.9	2.7	2.5	2.5	2.6	2.8	2.8	2.8	2.7	2.7
G107.0	3.0	2.8	2.6	2.6	2.7	2.9	2.9	2.9	2.8	2.8
G108.0	3.1	2.9	2.7	2.7	2.8	3.0	3.0	3.0	2.9	2.9
G109.0	3.2	3.0	2.8	2.8	2.9	3.2	3.1	3.1	3.0	2.9
G110.0	3.2	3.0	2.9	2.9	3.0	3.3	3.3	3.2	3.1	3.1

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 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	3.3	3.2	3.0	3.0	3.2	3.4	3.4	3.3	3.2	3.2
G112.0	3.5	3.3	3.1	3.1	3.3	3.5	3.5	3.5	3.3	3.3
G113.0	3.6	3.4	3.3	3.3	3.4	3.6	3.6	3.6	3.5	3.4
G114.0	3.7	3.5	3.4	3.3	3.5	3.7	3.7	3.7	3.6	3.5
G115.0	3.8	3.6	3.5	3.5	3.6	3.8	3.8	3.8	3.7	3.6
G116.0	3.9	3.7	3.6	3.6	3.7	4.0	3.9	3.9	3.8	3.7
G117.0	4.0	3.8	3.7	3.7	3.8	4.1	4.0	4.0	3.9	3.8
G118.0	4.2	4.0	3.8	3.8	4.0	4.2	4.2	4.1	4.0	3.9
G119.0	4.3	4.1	3.9	3.9	4.1	4.3	4.3	4.2	4.1	4.1
G120.0	4.4	4.2	4.0	4.1	4.2	4.4	4.4	4.3	4.2	4.2
G121.0	4.5	4.3	4.2	4.2	4.3	4.6	4.5	4.4	4.3	4.3
G122.0	4.6	4.4	4.3	4.3	4.4	4.7	4.6	4.6	4.4	4.4
G123.0	4.7	4.5	4.4	4.4	4.6	4.8	4.7	4.7	4.6	4.5
G124.0	4.9	4.7	4.5	4.6	4.7	4.9	4.8	4.8	4.7	4.6
G125.0	5.0	4.8	4.6	4.7	4.8	5.0	4.9	4.9	4.8	4.7
G126.0	5.1	4.9	4.8	4.8	4.9	5.1	5.1	5.0	4.9	4.8
G127.0	5.2	5.0	4.9	4.9	5.0	5.3	5.2	5.1	5.0	5.0
G128.0	5.3	5.1	5.0	5.0	5.1	5.3	5.3	5.2	5.1	5.1
G129.0	5.5	5.2	5.1	5.1	5.3	5.5	5.4	5.3	5.3	5.2
G130.0	5.6	5.3	5.2	5.3	5.4	5.6	5.5	5.5	5.4	5.3
G131.0	5.7	5.5	5.3	5.4	5.5	5.7	5.7	5.6	5.5	5.4
G132.0	5.8	5.6	5.4	5.5	5.6	5.8	5.8	5.7	5.6	5.6
G133.0	5.9	5.7	5.6	5.6	5.7	6.0	5.9	5.9	5.7	5.7
G134.0	6.1	5.8	5.7	5.8	5.8	6.1	6.0	6.0	5.9	5.8
G135.0	6.2	5.9	5.8	5.9	6.0	6.2	6.1	6.2	6.0	5.9
G136.0	6.3	6.1	5.9	6.0	6.1	6.3	6.3	6.3	6.1	6.0
G137.0	6.4	6.2	6.1	6.1	6.2	6.4	6.4	6.4	6.2	6.2
G138.0	6.6	6.3	6.2	6.2	6.3	6.6	6.5	6.5	6.3	6.3
G139.0	6.7	6.4	6.3	6.3	6.4	6.8	6.6	6.6	6.4	6.4
G140.0	6.8	6.6	6.4	6.5	6.6	7.0	6.7	6.7	6.6	6.5
G141.0	6.9	6.7	6.5	6.6	6.7	7.2	6.9	6.8	6.7	6.6
G142.0	7.0	6.9	6.6	6.7	6.8	7.4	7.0	6.9	6.8	6.7
G143.0	7.2	7.0	6.8	6.8	6.9	7.4	7.1	7.0	6.9	6.8
G144.0	7.3	7.1	6.9	6.9	7.0	7.5	7.2	7.1	7.0	7.0
G145.0	7.4	7.2	7.0	7.0	7.2	7.6	7.3	7.2	7.1	7.1
G146.0	7.5	7.3	7.1	7.2	7.2	7.6	7.4	7.3	7.2	7.2
G147.0	7.6	7.4	7.2	7.3	7.3	7.7	7.5	7.4	7.3	7.3

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 4)

Unit: cd

GVC	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0	C210.0	C240.0	C270.0
G148.0	7.7	7.5	7.3	7.3	7.5	7.7	7.6	7.6	7.5	7.4
G149.0	7.8	7.6	7.4	7.5	7.6	7.8	7.7	7.7	7.7	7.5
G150.0	7.9	7.7	7.6	7.6	7.7	7.9	7.8	7.8	7.9	7.6
G151.0	8.0	7.8	7.7	7.7	7.8	8.0	7.9	7.9	8.0	7.7
G152.0	8.1	7.9	7.8	7.8	7.9	8.1	8.0	8.0	8.1	7.9
G153.0	8.2	8.0	7.9	7.8	8.0	8.2	8.1	8.1	8.1	8.1
G154.0	8.3	8.1	8.2	8.0	8.2	8.3	8.2	8.2	8.1	8.3
G155.0	8.4	8.2	8.5	8.1	8.5	8.4	8.3	8.3	8.1	8.3
G156.0	8.5	8.3	8.8	8.2	8.8	8.5	8.4	8.4	8.2	8.4
G157.0	8.5	8.4	8.9	8.4	8.9	8.6	8.5	8.5	8.3	8.4
G158.0	8.6	8.5	9.0	8.7	8.9	8.6	8.6	8.5	8.4	8.4
G159.0	8.7	8.6	8.8	9.0	8.8	8.8	8.7	8.6	8.5	8.4
G160.0	8.8	8.6	8.7	9.1	8.8	8.8	8.8	8.7	8.6	8.5
G161.0	8.8	8.7	8.7	9.2	8.8	8.9	8.8	8.8	8.6	8.6
G162.0	8.9	8.8	8.8	9.0	8.8	9.0	8.9	8.9	8.7	8.7
G163.0	9.0	8.9	8.9	8.9	8.9	9.1	9.0	8.9	8.8	8.8
G164.0	9.1	8.9	8.9	8.9	8.9	9.1	9.1	9.0	8.9	8.9
G165.0	9.1	9.0	9.0	9.0	9.0	9.2	9.1	9.1	9.0	8.9
G166.0	9.2	9.1	9.1	9.0	9.1	9.2	9.2	9.1	9.1	9.1
G167.0	9.3	9.1	9.2	9.1	9.1	9.3	9.3	9.2	9.1	9.1
G168.0	9.3	9.2	9.3	9.2	9.2	9.3	9.4	9.3	9.2	9.2
G169.0	9.4	9.3	9.3	9.3	9.3	9.4	9.4	9.3	9.3	9.3
G170.0	9.4	9.3	9.4	9.3	9.3	9.4	9.5	9.4	9.3	9.3
G171.0	9.5	9.4	9.4	9.4	9.4	9.5	9.6	9.4	9.4	9.4
G172.0	9.6	9.4	9.5	9.5	9.4	9.5	9.6	9.5	9.4	9.5
G173.0	9.7	9.5	9.5	9.5	9.5	9.6	9.6	9.6	9.5	9.6
G174.0	9.7	9.5	9.6	9.6	9.5	9.6	9.7	9.6	9.5	9.6
G175.0	9.7	9.6	9.6	9.6	9.6	9.6	9.7	9.7	9.6	9.7
G176.0	9.8	9.6	9.6	9.7	9.6	9.6	9.8	9.6	9.6	9.7
G177.0	9.8	9.6	9.6	9.7	9.6	9.7	9.8	9.7	9.6	9.7
G178.0	9.8	9.7	9.7	9.8	9.7	9.7	9.9	9.7	9.7	9.8
G179.0	9.8	9.7	9.7	9.8	9.7	9.7	9.9	9.7	9.7	9.8
G180.0	9.9	9.7	9.7	9.8	9.7	9.7	9.9	9.7	9.7	9.8

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 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	901.0	900.7	902.0							
G1.0	900.5	900.5	902.4							
G2.0	899.5	899.9	902.2							
G3.0	898.2	898.8	901.6							
G4.0	896.1	897.5	900.6							
G5.0	893.7	895.7	899.2							
G6.0	891.0	893.3	897.5							
G7.0	887.7	890.8	895.3							
G8.0	883.7	887.8	893.0							
G9.0	879.7	884.0	889.8							
G10.0	875.1	880.3	886.5							
G11.0	870.4	876.1	882.5							
G12.0	864.8	871.2	878.5							
G13.0	859.2	866.1	874.0							
G14.0	852.8	860.5	869.0							
G15.0	846.3	854.7	863.8							
G16.0	839.3	848.3	858.1							
G17.0	832.2	841.9	852.2							
G18.0	824.5	834.9	846.1							
G19.0	816.7	827.5	839.2							
G20.0	808.3	819.7	832.5							
G21.0	800.0	811.9	825.0							
G22.0	791.2	803.7	817.6							
G23.0	781.8	795.3	809.7							
G24.0	772.4	786.3	801.5							
G25.0	762.6	776.8	792.8							
G26.0	752.5	767.8	784.2							
G27.0	742.6	757.9	775.2							
G28.0	732.4	747.9	765.7							
G29.0	721.7	737.6	756.4							
G30.0	711.0	727.3	746.2							
G31.0	699.9	716.7	736.5							
G32.0	688.3	705.6	726.4							
G33.0	676.9	694.6	716.0							
G34.0	665.8	683.3	705.0							
G35.0	653.7	671.9	694.5							
G36.0	641.7	660.4	683.3							

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 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	629.9	648.3	672.0							
G38.0	617.5	636.7	660.8							
G39.0	604.9	624.5	649.3							
G40.0	592.7	612.3	637.3							
G41.0	580.1	599.5	625.7							
G42.0	567.3	586.9	613.7							
G43.0	554.2	574.5	602.1							
G44.0	541.3	561.6	589.0							
G45.0	528.3	548.6	576.9							
G46.0	515.2	535.7	564.2							
G47.0	501.7	522.3	551.7							
G48.0	488.8	508.9	539.1							
G49.0	474.7	495.9	526.1							
G50.0	461.4	481.9	512.9							
G51.0	447.5	468.4	500.1							
G52.0	434.3	455.0	486.6							
G53.0	420.2	441.0	473.5							
G54.0	406.5	426.8	460.0							
G55.0	392.2	413.3	446.6							
G56.0	378.7	398.8	432.7							
G57.0	364.6	384.6	419.8							
G58.0	350.5	370.7	405.6							
G59.0	336.0	356.6	392.0							
G60.0	322.1	342.1	377.6							
G61.0	307.4	327.6	364.1							
G62.0	293.4	313.1	349.8							
G63.0	278.5	298.8	336.0							
G64.0	264.4	284.1	321.7							
G65.0	250.3	269.1	307.1							
G66.0	236.1	254.5	293.0							
G67.0	221.8	239.8	278.5							
G68.0	207.5	226.0	264.1							
G69.0	192.8	210.7	249.6							
G70.0	178.2	196.4	235.0							
G71.0	164.2	181.8	221.1							
G72.0	149.9	167.0	206.3							
G73.0	136.5	153.0	192.5							

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	122.7	138.8	177.8							
G75.0	109.7	125.1	163.0							
G76.0	96.0	111.5	149.6							
G77.0	83.4	97.9	135.3							
G78.0	71.3	85.2	121.7							
G79.0	59.7	72.3	108.3							
G80.0	48.5	60.5	95.2							
G81.0	38.2	49.4	82.7							
G82.0	28.8	38.8	70.2							
G83.0	20.9	28.9	58.2							
G84.0	14.1	20.5	47.2							
G85.0	8.8	13.5	37.0							
G86.0	4.5	7.9	27.6							
G87.0	1.9	4.3	19.5							
G88.0	1.4	1.9	12.6							
G89.0	1.4	1.7	7.2							
G90.0	1.5	1.7	3.7							
G91.0	1.5	1.8	2.1							
G92.0	1.5	1.8	2.1							
G93.0	1.5	1.9	2.2							
G94.0	1.6	1.9	2.2							
G95.0	1.7	1.9	2.3							
G96.0	1.7	2.0	2.3							
G97.0	1.7	2.0	2.4							
G98.0	1.9	2.1	2.4							
G99.0	1.9	2.1	2.5							
G100.0	2.0	2.2	2.5							
G101.0	2.1	2.3	2.6							
G102.0	2.2	2.3	2.7							
G103.0	2.3	2.4	2.7							
G104.0	2.4	2.5	2.8							
G105.0	2.5	2.5	2.9							
G106.0	2.6	2.6	2.9							
G107.0	2.7	2.7	3.0							
G108.0	2.8	2.8	3.1							
G109.0	2.9	2.9	3.2							
G110.0	3.0	3.0	3.2							

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 8)

Unit: cd

G\c	C300.0	C330.0	C360.0							
G111.0	3.1	3.1	3.3							
G112.0	3.2	3.2	3.5							
G113.0	3.3	3.3	3.6							
G114.0	3.4	3.4	3.7							
G115.0	3.5	3.6	3.8							
G116.0	3.6	3.7	3.9							
G117.0	3.8	3.8	4.0							
G118.0	3.8	3.9	4.2							
G119.0	4.0	4.0	4.3							
G120.0	4.1	4.1	4.4							
G121.0	4.2	4.2	4.5							
G122.0	4.3	4.3	4.6							
G123.0	4.4	4.4	4.7							
G124.0	4.5	4.5	4.9							
G125.0	4.7	4.6	5.0							
G126.0	4.7	4.7	5.1							
G127.0	4.9	4.8	5.2							
G128.0	5.0	5.0	5.3							
G129.0	5.1	5.1	5.5							
G130.0	5.2	5.2	5.6							
G131.0	5.3	5.3	5.7							
G132.0	5.4	5.5	5.8							
G133.0	5.6	5.6	5.9							
G134.0	5.7	5.8	6.1							
G135.0	5.8	5.9	6.2							
G136.0	5.9	6.1	6.3							
G137.0	6.1	6.2	6.4							
G138.0	6.2	6.3	6.6							
G139.0	6.3	6.4	6.7							
G140.0	6.4	6.5	6.8							
G141.0	6.5	6.6	6.9							
G142.0	6.6	6.7	7.0							
G143.0	6.7	6.7	7.2							
G144.0	6.8	6.8	7.3							
G145.0	7.0	7.0	7.4							
G146.0	7.1	7.1	7.5							
G147.0	7.2	7.2	7.6							

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 9)

Unit: cd

G\c	C300.0	C330.0	C360.0							
G148.0	7.4	7.3	7.7							
G149.0	7.6	7.4	7.8							
G150.0	7.9	7.5	7.9							
G151.0	8.1	7.6	8.0							
G152.0	8.1	7.8	8.1							
G153.0	8.1	7.8	8.2							
G154.0	8.1	7.9	8.3							
G155.0	8.1	8.1	8.4							
G156.0	8.1	8.1	8.5							
G157.0	8.2	8.2	8.5							
G158.0	8.3	8.4	8.6							
G159.0	8.4	8.4	8.7							
G160.0	8.5	8.5	8.8							
G161.0	8.6	8.6	8.8							
G162.0	8.7	8.7	8.9							
G163.0	8.8	8.8	9.0							
G164.0	8.9	8.9	9.1							
G165.0	9.0	8.9	9.1							
G166.0	9.1	9.0	9.2							
G167.0	9.1	9.1	9.3							
G168.0	9.2	9.1	9.3							
G169.0	9.3	9.2	9.4							
G170.0	9.3	9.3	9.4							
G171.0	9.4	9.4	9.5							
G172.0	9.5	9.4	9.6							
G173.0	9.5	9.4	9.7							
G174.0	9.6	9.5	9.7							
G175.0	9.6	9.6	9.7							
G176.0	9.6	9.6	9.8							
G177.0	9.7	9.6	9.8							
G178.0	9.7	9.7	9.8							
G179.0	9.7	9.7	9.8							
G180.0	9.7	9.7	9.9							

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: