

Report No.: 20200708

Test Time: 2020-07-17 09:14

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: NB

Luminaire Description: MX601ALD20WDD-2FT 120v 4000k 四色温 下沉面罩 4#

Lamp Catalog: 4000k

Lamp Description: 弧光拨码调功率驱动

Number of Lamps: 48

Lumens per Lamp: 32-35LM

Luminous Length (mm): 600

Luminous Width (mm): 70

Luminous Height (mm): 45

Voltage: 119.1 V

Current: 0.175 A

Power: 20.78 W

Power Factor: 0.997

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 1536.0 lm

Measurement Flux: 1412.1 lm

Efficiency: 91.93%

Downward Ratio: 90.59%

Upward Ratio: 1.34%

Field Angle: H160.9 V148.3

Beam Angle: H114.8 V106.7

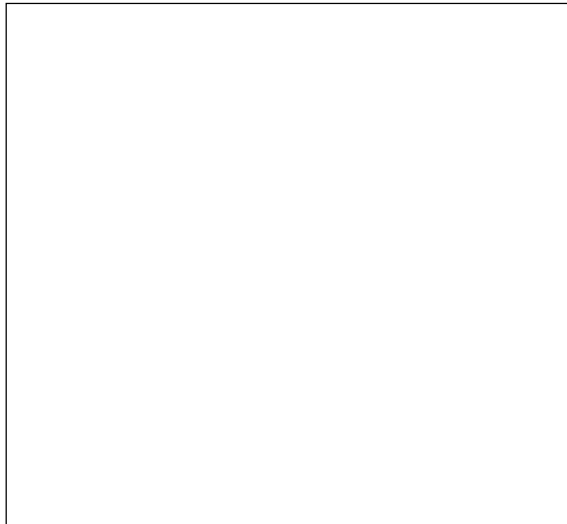
Luminaire Efficacy Rating (LER): 68

Central Intensity: 511.62 cd

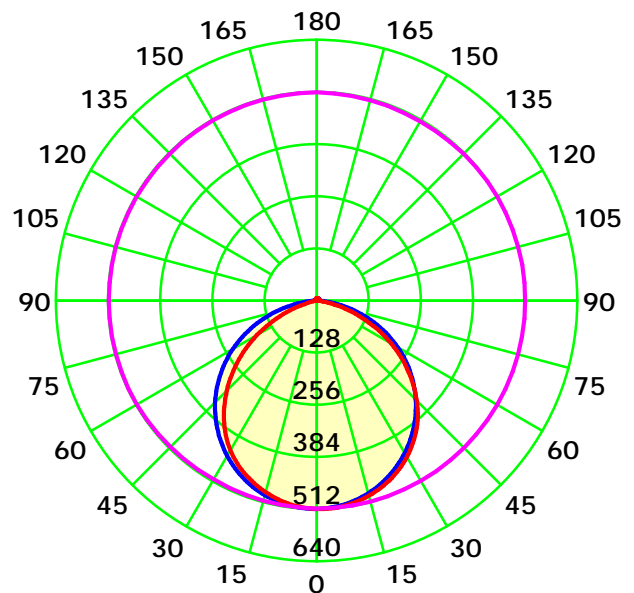
Max. Intensity: 512.35 cd

Pos of Max. Intensity: H90 V2

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 110.7° Unit: cd

— C0-C180 — C90-C270 — G2

C Plane (°):0.0-360.0: 30.0

Test Lab: 70

Test Type: TYPE C

Temperature: 23

Operator: QIU

Gamma Plane (°):0.0-180.0:1.0

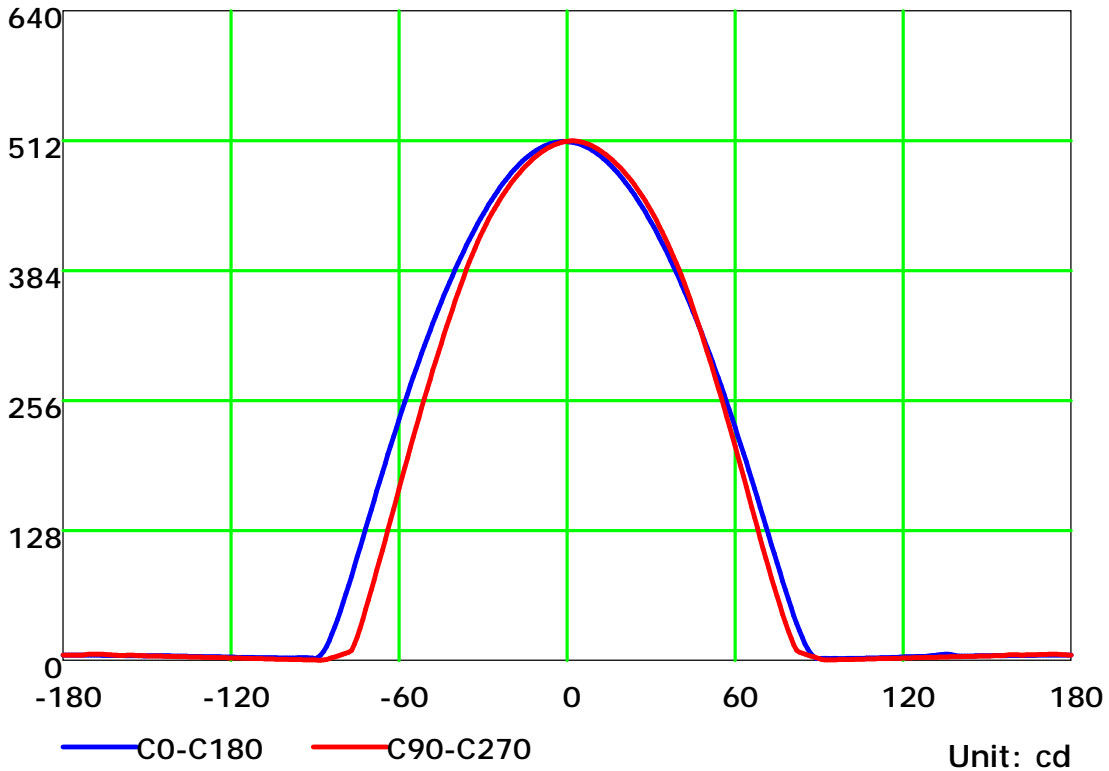
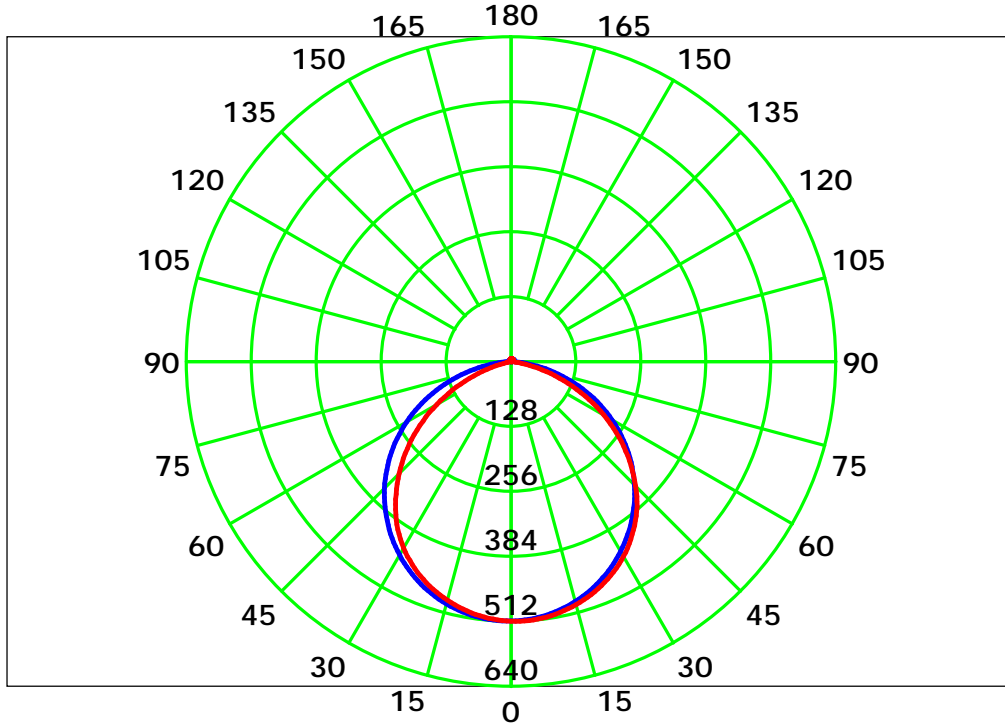
Test Device: GPM-1600L

Distance: 8.690 m

Humidity: 88

Inspector:

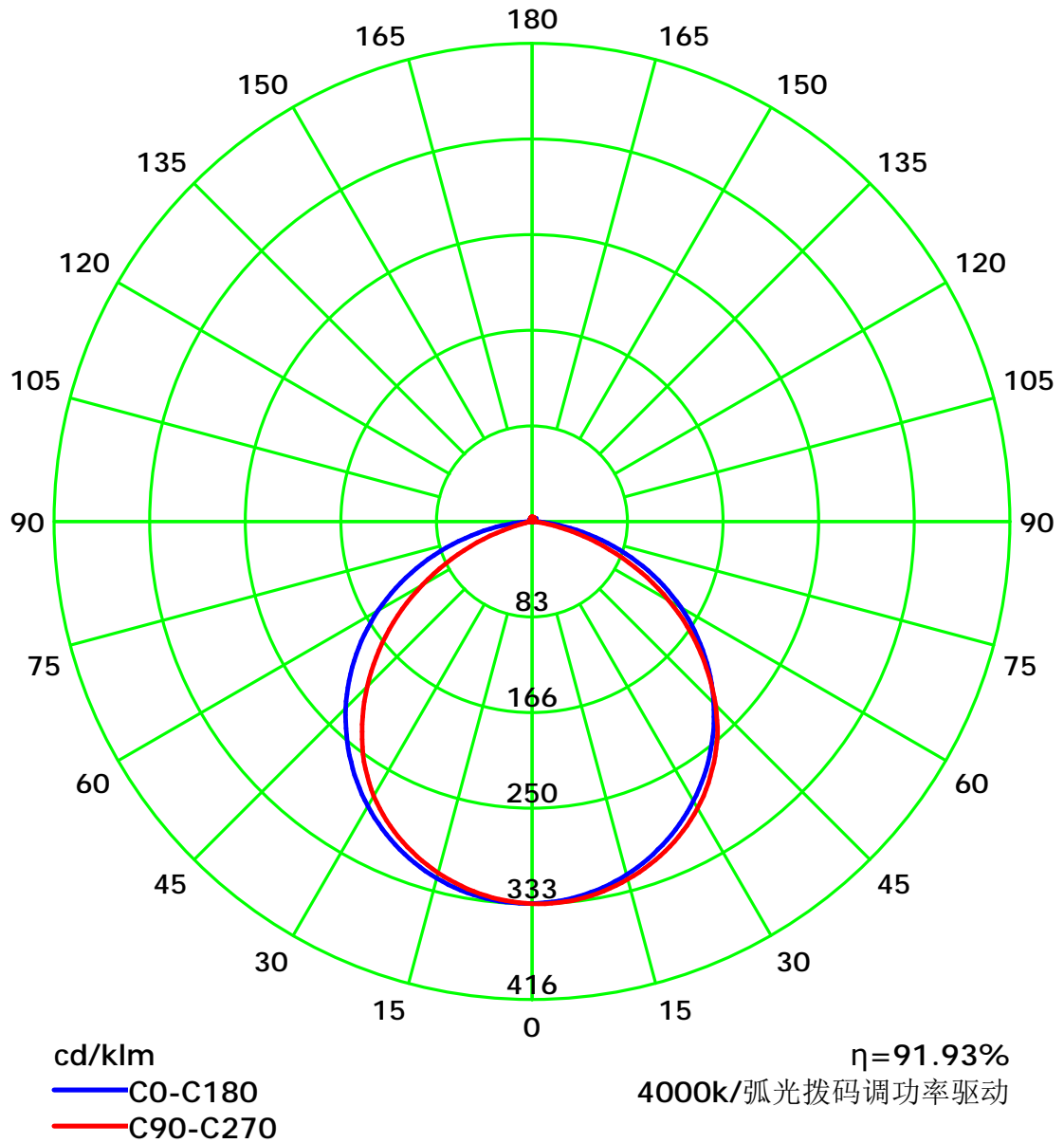
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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)



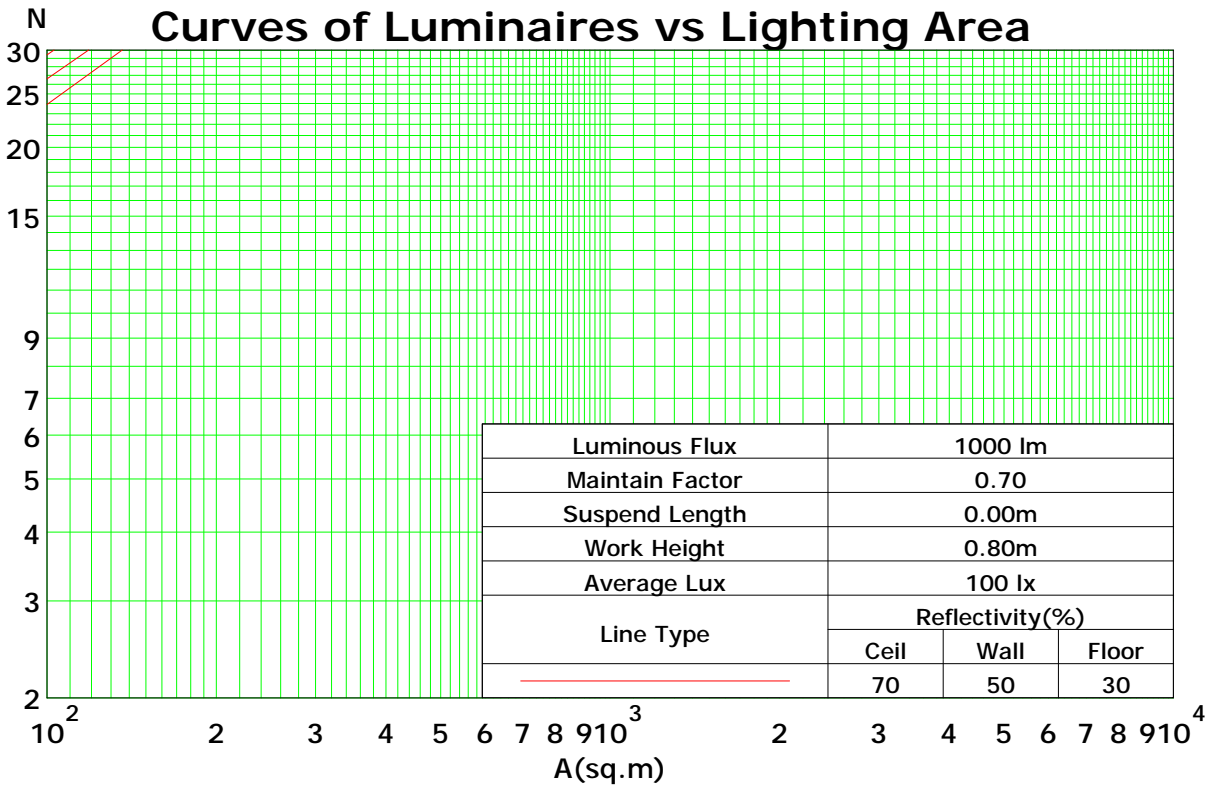
C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

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	109	109	109	109	106	106	106	106	101	101	101	97	97	97	93	93	93	91
1	100	96	93	89	98	94	91	88	90	87	85	86	84	82	83	81	79	77
2	92	84	78	73	89	82	77	72	79	74	70	76	72	69	73	70	67	65
3	84	74	67	61	81	73	66	61	70	64	59	67	62	58	65	60	57	55
4	77	66	58	52	74	65	57	52	62	56	51	60	54	50	58	53	49	47
5	70	59	51	45	68	58	50	44	56	49	44	54	48	43	52	47	43	41
6	65	53	45	39	63	52	44	39	50	43	38	49	43	38	47	42	38	36
7	60	48	40	35	59	47	40	34	46	39	34	44	38	34	43	38	33	32
8	56	44	36	31	55	43	36	31	42	35	30	41	35	30	39	34	30	28
9	52	40	33	28	51	40	32	28	38	32	27	37	31	27	36	31	27	25
10	49	37	30	25	48	37	30	25	36	29	25	35	29	25	34	28	24	23

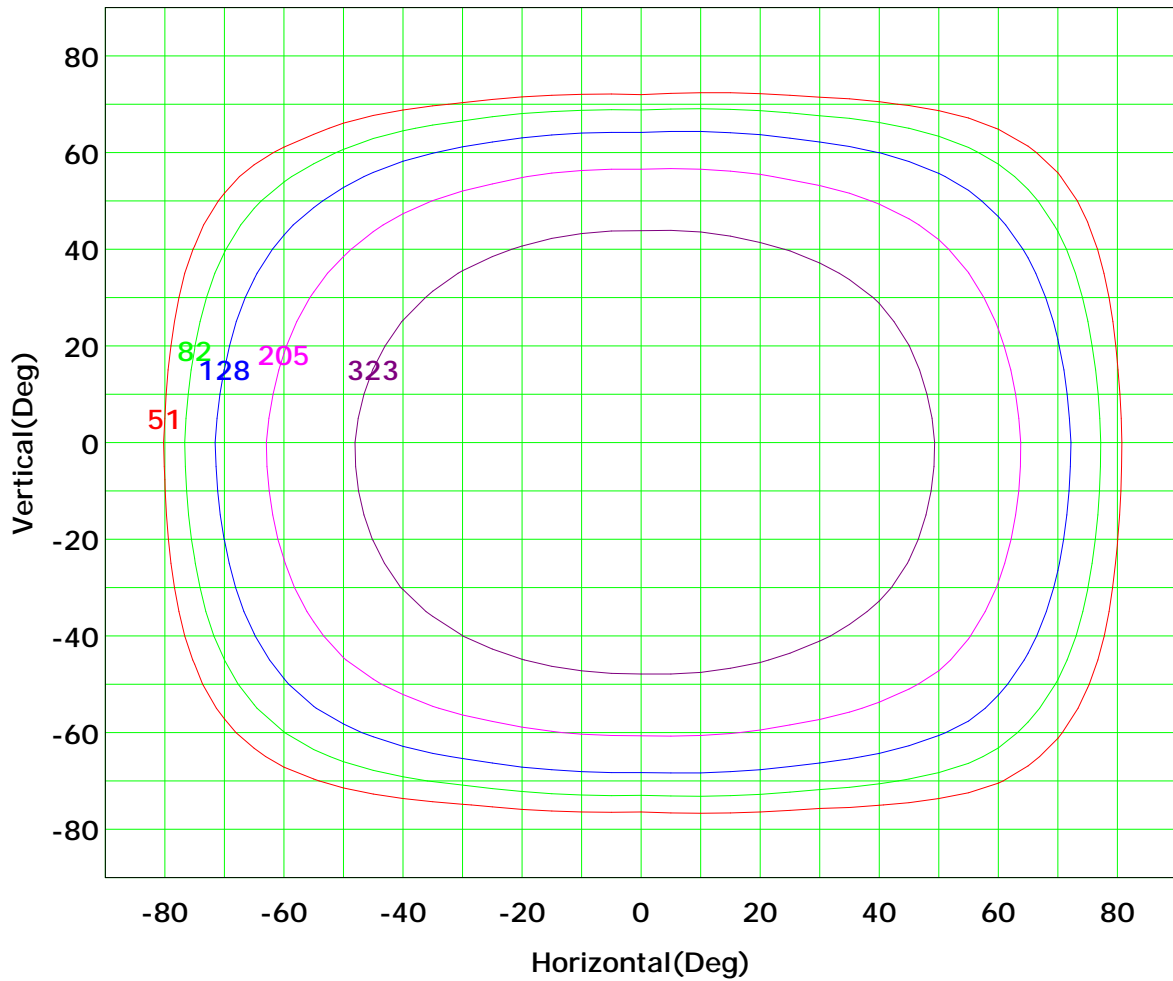
Spacing Criteria (0-180): 1.27
 Spacing Criteria (90-270): 1.26
 Spacing Criteria (Diagonal): 1.38



C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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)



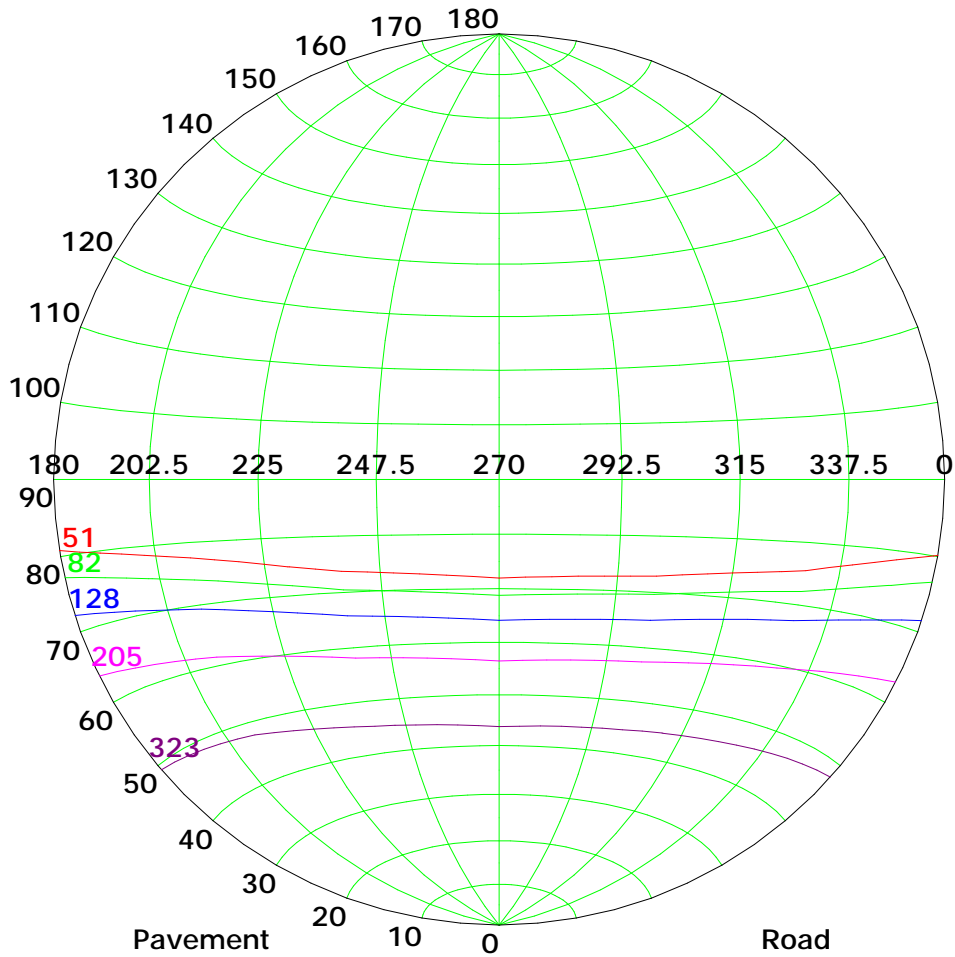
Imax (100%): 512 cd

— (10%):	51 cd	— (16%):	82 cd
— (25%):	128 cd	— (40%):	205 cd
— (63%):	323 cd	— (100%):	512 cd

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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)



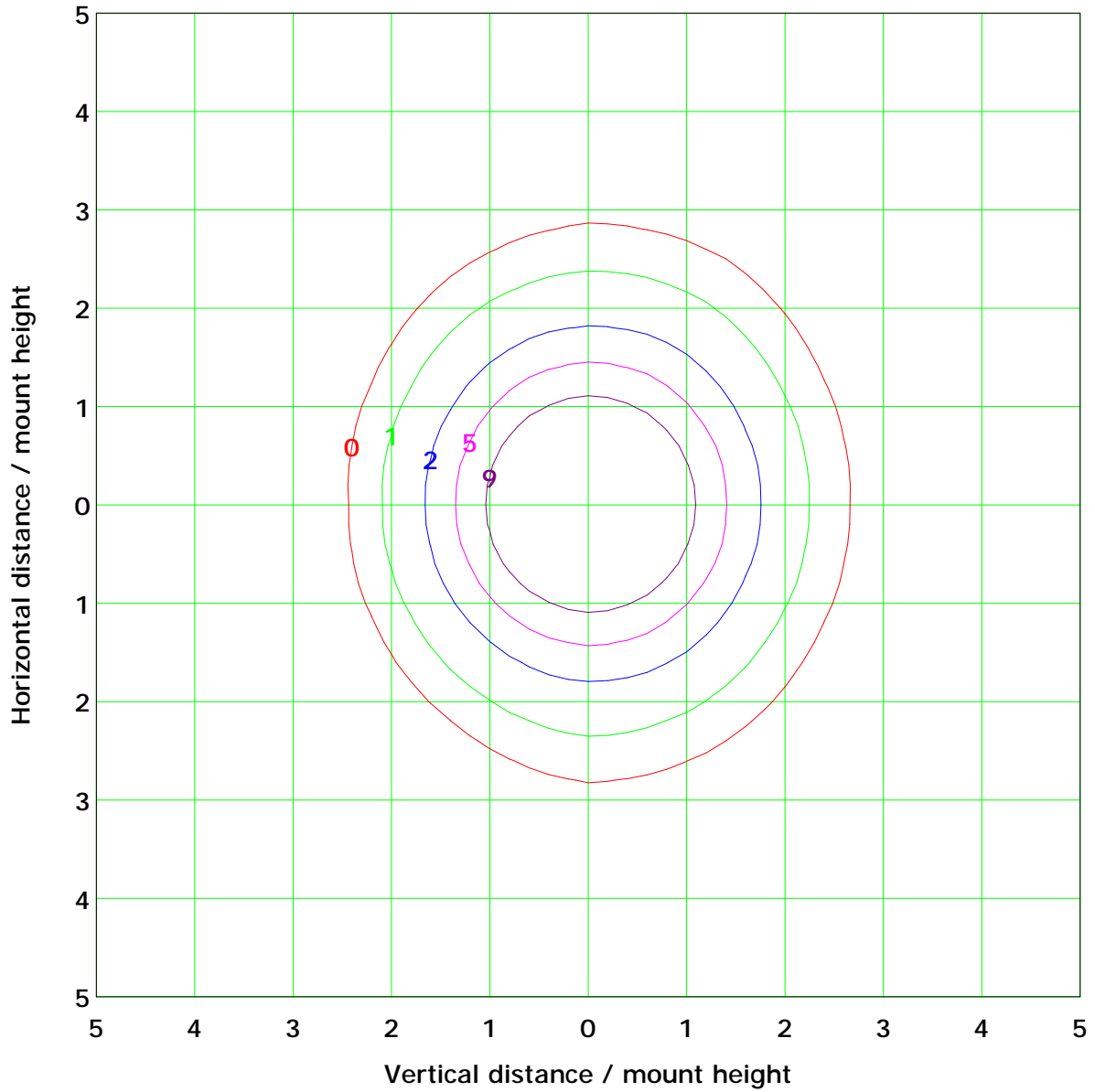
Imax (100%): 512 cd

— (10%):	51 cd	— (16%):	82 cd
— (25%):	128 cd	— (40%):	205 cd
— (63%):	323 cd	— (100%):	512 cd

C Plane (°):0.0-360.0: 30.0
Test Lab: 70
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



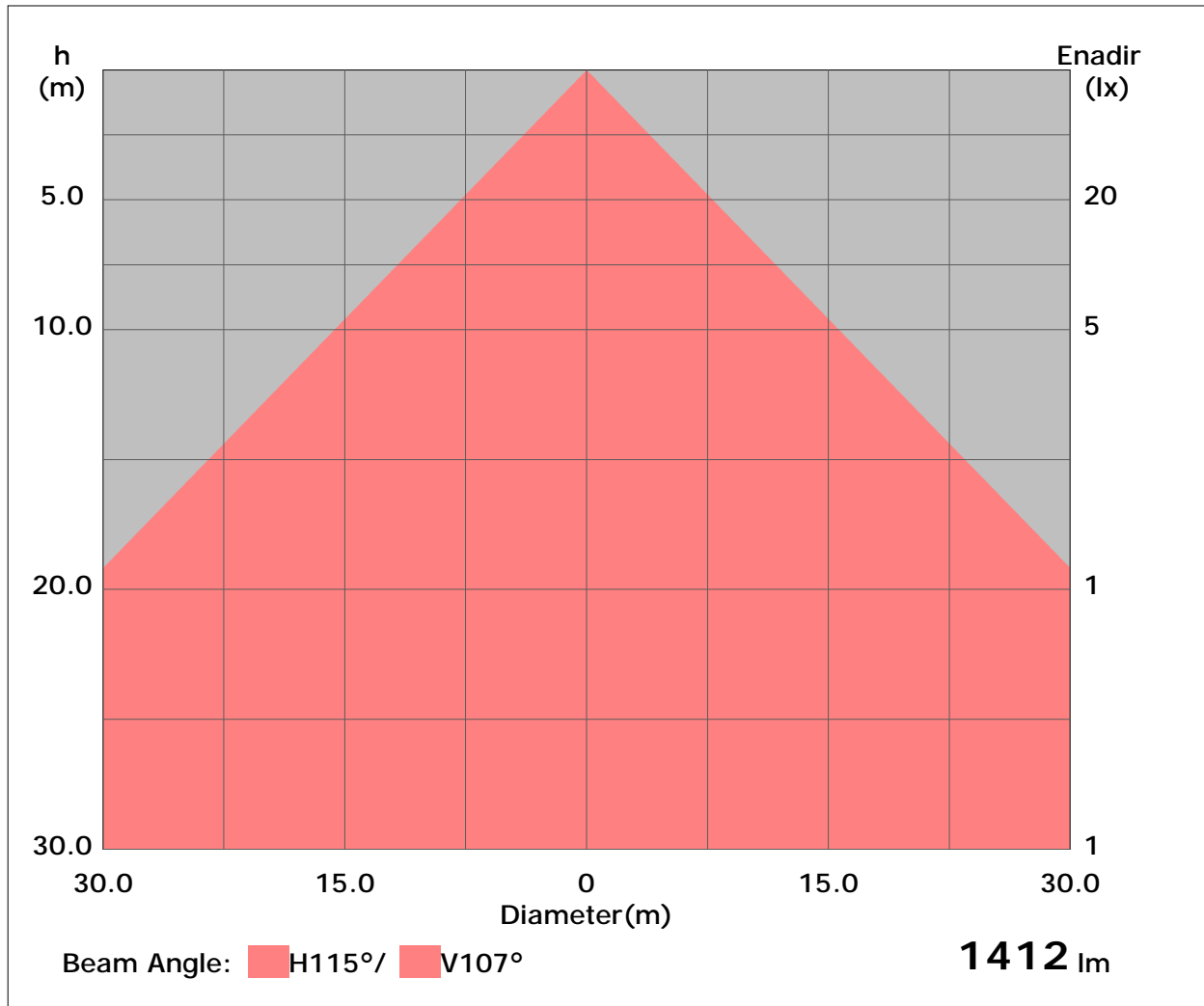
Mounting Height: 3.3m Max Lux(100%): 47.0 lx

— (1%): 0.5 lx	— (2%): 0.9 lx
— (5%): 2.4 lx	— (10%): 4.7 lx
— (20%): 9.4 lx	

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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:

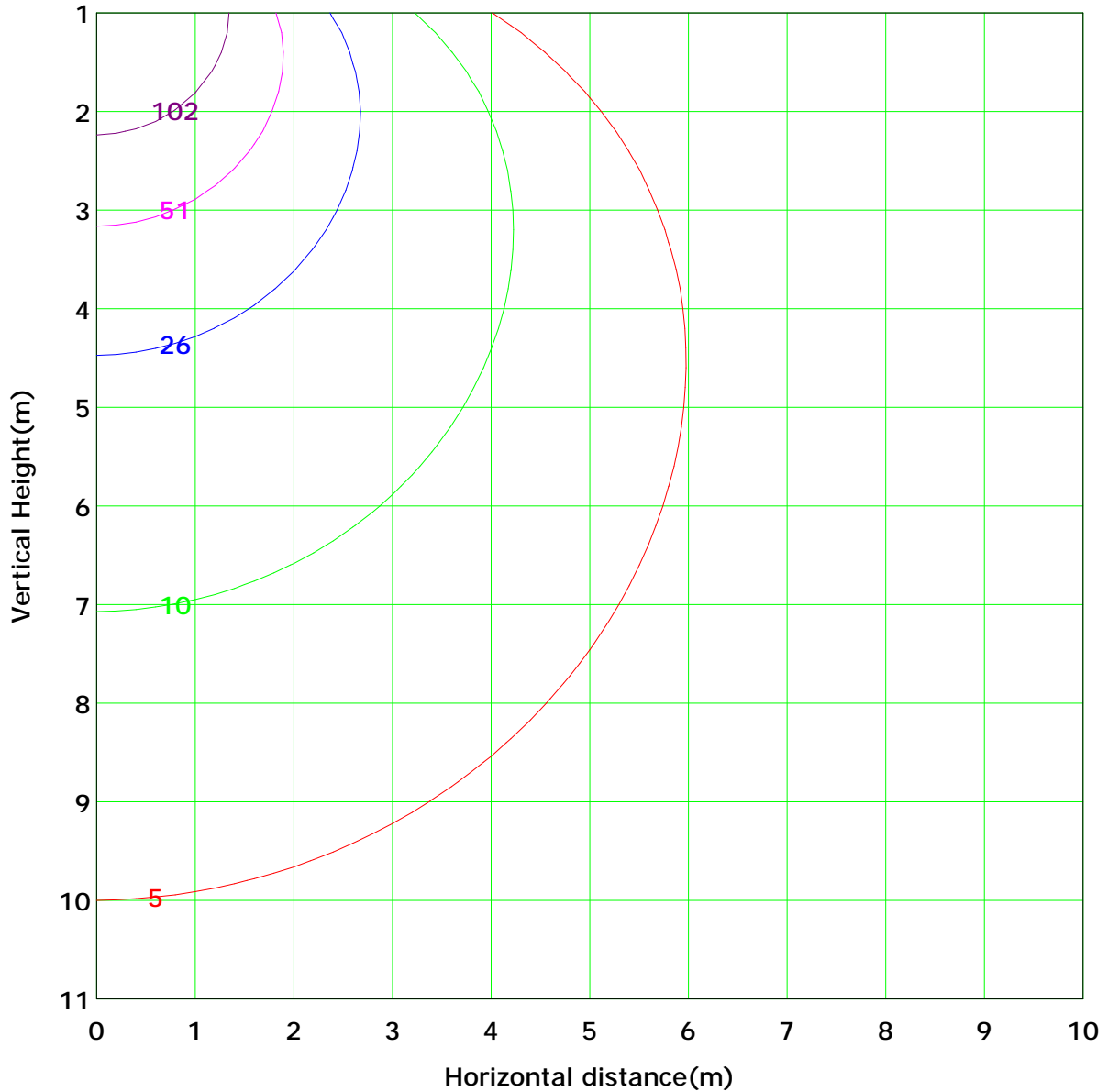
Illuminance at a Distance



C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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: 511.6 lx
 (1%): 5.1 lx (2%): 10.2 lx
 (5%): 25.6 lx (10%): 51.2 lx
 (20%): 102.3 lx

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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

Vertical plane

Unit: lm

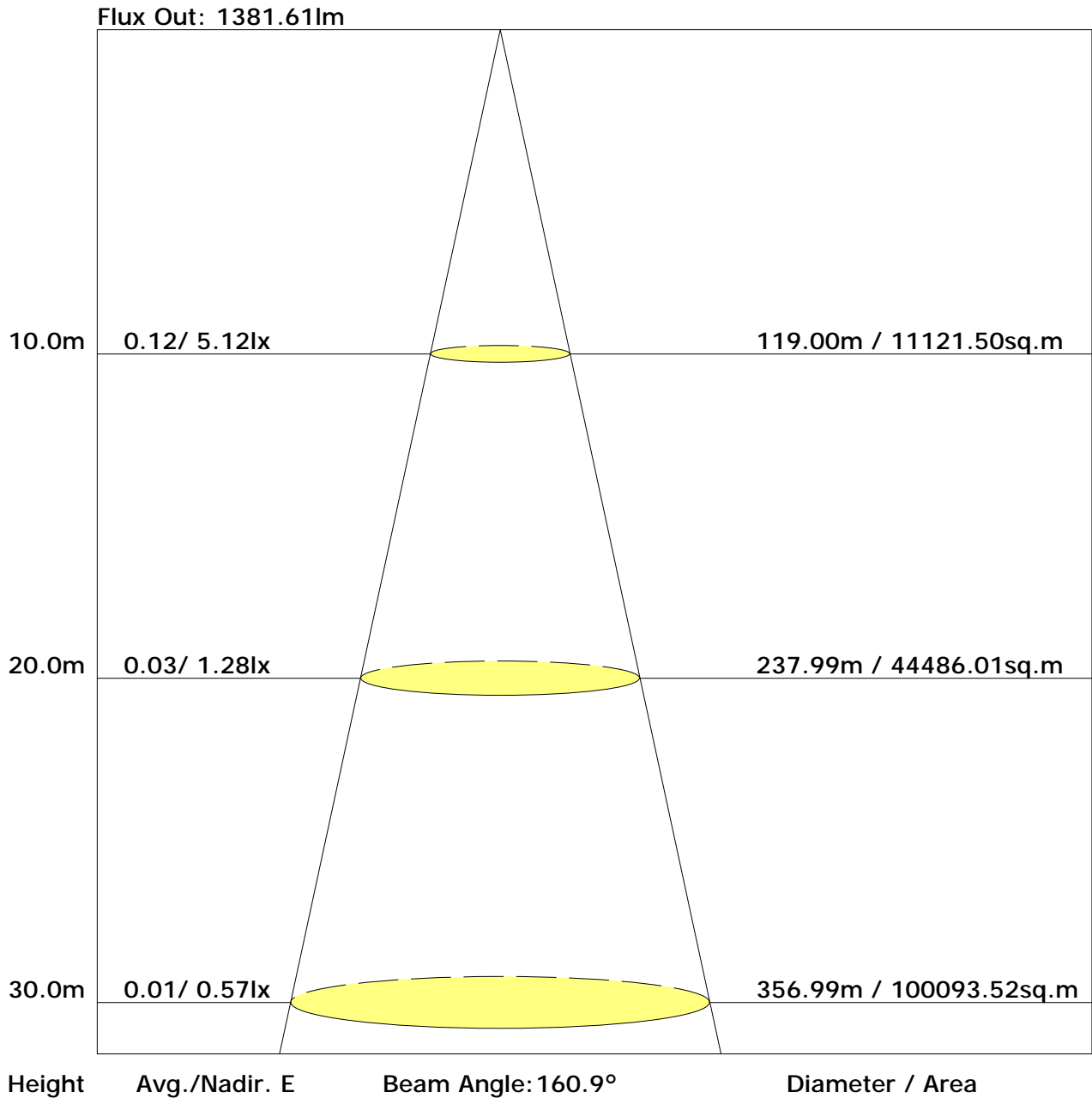
Flux(E)	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90
Flux(T)	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
Flux(E)	0.1	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
	0.8	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0
	8.1	0.0	0.1	0.2	0.4	0.6	0.7	0.8	0.8	0.8	0.8	0.7	0.7	0.6	0.4	0.3	0.2	0.1	0.0
	25.0	0.1	0.3	0.8	1.2	2.0	2.2	2.4	2.5	2.5	2.3	2.1	2.1	1.8	1.4	1.0	0.5	0.2	0.0
	49.6	0.1	0.7	1.6	2.5	3.9	4.4	4.7	4.9	4.8	4.6	4.2	4.2	3.6	2.9	2.0	1.1	0.2	0.0
	78.0	0.2	1.1	2.4	3.9	6.2	6.9	7.4	7.6	7.5	7.2	6.6	6.6	5.7	4.6	3.2	1.8	0.5	0.1
	106.0	0.2	1.4	3.3	5.3	8.4	9.4	10.0	10.3	10.2	9.8	9.0	9.0	7.9	6.3	4.4	2.4	0.7	0.1
	130.6	0.2	1.7	4.0	6.5	10.3	11.5	12.3	12.7	12.6	12.1	11.2	11.2	9.7	7.8	5.5	3.0	0.8	0.1
	149.2	0.2	1.9	4.6	7.4	11.8	13.2	14.0	14.4	14.4	13.8	12.7	12.7	11.1	8.9	6.3	3.5	0.9	0.1
	158.6	0.2	2.0	4.9	7.9	12.6	14.0	14.9	15.4	15.4	14.7	13.6	13.6	11.8	9.5	6.7	3.7	0.9	0.1
	157.9	0.2	2.0	4.9	7.8	12.5	14.0	14.9	15.4	15.2	14.6	13.5	13.5	11.8	9.4	6.6	3.6	0.9	0.1
	147.3	0.2	1.8	4.5	7.3	11.7	13.1	13.9	14.3	14.2	13.6	12.6	12.6	11.0	8.8	6.2	3.4	0.8	0.1
	127.6	0.2	1.5	3.9	6.3	10.2	11.4	12.1	12.5	12.4	11.8	10.9	10.9	9.5	7.6	5.3	2.8	0.7	0.1
	102.1	0.2	1.2	3.1	5.0	8.2	9.2	9.8	10.1	10.0	9.5	8.7	8.7	7.6	6.0	4.2	2.2	0.5	0.1
	73.8	0.1	0.8	2.2	3.6	5.9	6.7	7.2	7.4	7.3	7.0	6.3	6.3	5.4	4.2	2.9	1.5	0.3	0.0
	46.0	0.1	0.5	1.3	2.2	3.7	4.2	4.6	4.7	4.4	4.4	4.0	4.0	3.3	2.6	1.7	0.8	0.2	0.0
	22.7	0.0	0.2	0.6	1.0	1.8	2.1	2.3	2.4	2.2	2.2	2.0	2.0	1.6	1.2	0.8	0.4	0.1	0.0
	7.2	0.0	0.1	0.2	0.3	0.6	0.7	0.7	0.8	0.7	0.7	0.6	0.6	0.5	0.4	0.2	0.1	0.1	0.0
	0.7	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0
Flux(T)	1391	17.2	11.4	68.5	91.9	110.5	123.8	132.3	136.3	135.2	129.4	118.9	103.1	82.0	57.3	31.0	7.9	0.9	0.0
Flux(E)	1370	11.4	6.8	91.6	110.3	123.6	132.1	135.2	136.2	129.2	118.7	102.9	81.6	56.6	29.0	2.0	0.0	0.0	0.0

Horizontal plane

C Plane (°): 0.0-360.0: 30.0
 Test Lab: 70
 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:

The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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:

UGR Table

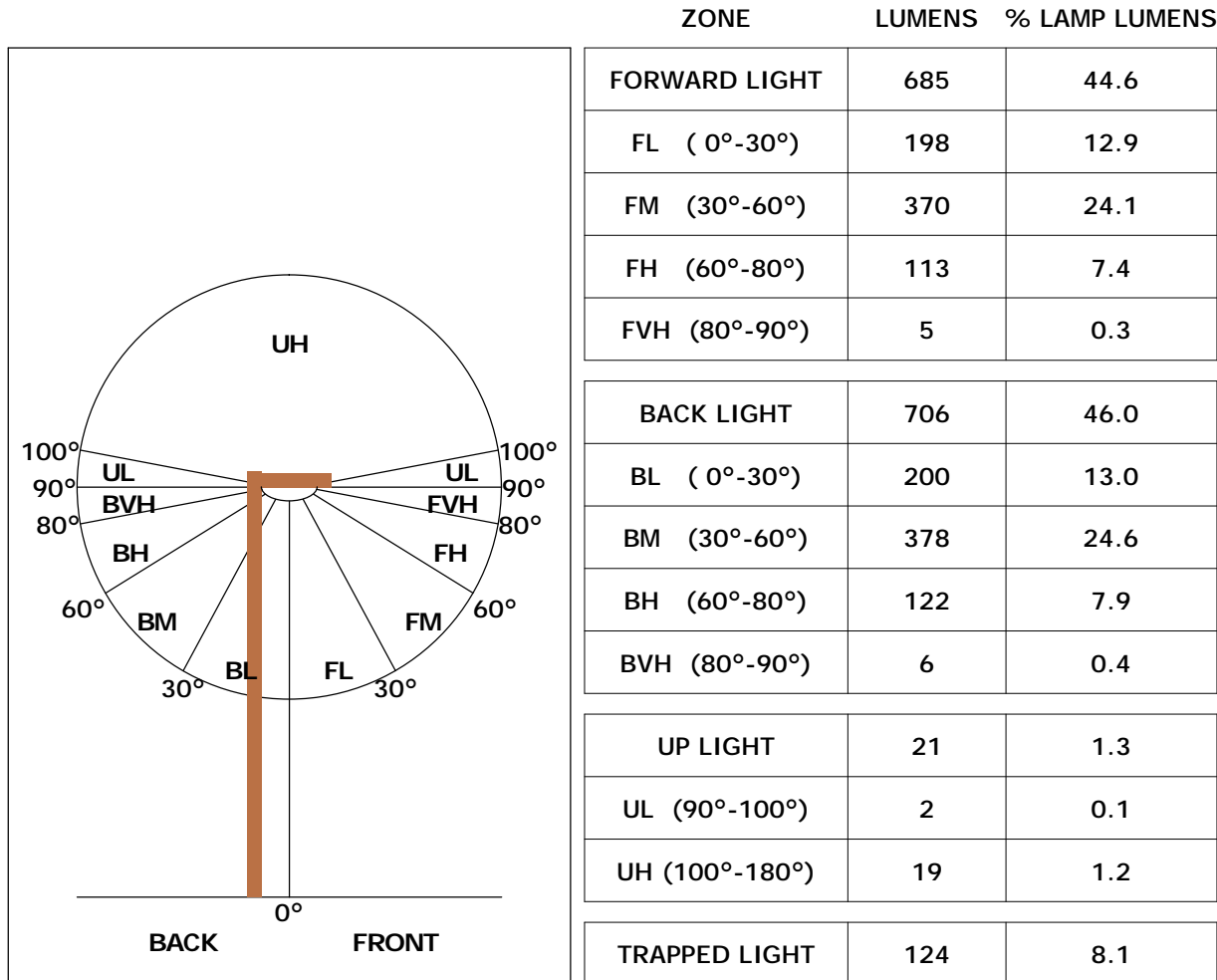
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	17.8	19.4	18.2	19.7	20.1	16.6	18.1	17.0	18.5	18.8
3H	19.5	20.9	19.9	21.3	21.6	17.7	19.1	18.1	19.4	19.8
4H	20.0	21.4	20.5	21.7	22.2	17.9	19.2	18.3	19.6	20.0
6H	20.4	21.6	20.8	22.0	22.4	17.9	19.2	18.4	19.6	20.0
8H	20.4	21.6	20.9	22.0	22.5	17.9	19.1	18.4	19.5	19.9
12H	20.5	21.6	20.9	22.0	22.5	17.9	19.0	18.3	19.4	19.9
X=4H Y=2H	18.1	19.4	18.5	19.8	20.2	17.2	18.5	17.6	18.9	19.3
3H	19.9	21.0	20.3	21.4	21.8	18.4	19.5	18.9	20.0	20.4
4H	20.5	21.5	20.9	21.9	22.4	18.7	19.7	19.2	20.2	20.6
6H	20.9	21.7	21.4	22.2	22.7	18.8	19.7	19.3	20.1	20.6
8H	21.0	21.8	21.4	22.2	22.7	18.8	19.6	19.3	20.1	20.6
12H	21.0	21.7	21.5	22.2	22.7	18.8	19.5	19.3	20.0	20.5
X=8H Y=4H	20.5	21.3	21.0	21.8	22.3	18.9	19.7	19.4	20.2	20.7
6H	20.9	21.6	21.4	22.1	22.6	19.0	19.7	19.6	20.2	20.7
8H	21.0	21.6	21.5	22.1	22.6	19.0	19.6	19.6	20.1	20.7
12H	21.0	21.6	21.6	22.1	22.7	19.0	19.5	19.5	20.0	20.6
X=12H Y=4H	20.5	21.2	21.0	21.7	22.2	19.0	19.7	19.5	20.2	20.7
6H	20.9	21.5	21.4	22.0	22.5	19.1	19.7	19.6	20.1	20.7
8H	21.0	21.5	21.5	22.0	22.6	19.0	19.6	19.6	20.1	20.7

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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 G0

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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:

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	0.53	0.63	0.70	0.75	0.81	0.86	0.89	0.93	0.96	
	0.30		0.46	0.56	0.63	0.68	0.76	0.81	0.85	0.89	0.93	
	0.20		0.41	0.51	0.58	0.64	0.71	0.77	0.81	0.86	0.90	
0.50	0.50	0.20	0.51	0.61	0.67	0.72	0.78	0.82	0.85	0.89	0.91	
	0.30		0.45	0.55	0.62	0.67	0.74	0.78	0.82	0.86	0.89	
	0.20		0.40	0.50	0.57	0.62	0.70	0.75	0.79	0.84	0.87	
0.30	0.50	0.20	0.50	0.59	0.65	0.69	0.75	0.79	0.82	0.86	0.88	
	0.30		0.44	0.54	0.60	0.65	0.72	0.76	0.79	0.83	0.86	
	0.20		0.40	0.49	0.56	0.61	0.68	0.73	0.76	0.81	0.84	
0.00	0.00	0.00	0.38	0.47	0.54	0.58	0.65	0.69	0.73	0.77	0.79	
<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	0.90	0.73	0.62	0.54	0.42	0.35	0.30	0.23	0.19	
	0.30		0.75	0.63	0.54	0.47	0.38	0.32	0.28	0.21	0.18	
	0.20		0.64	0.55	0.48	0.43	0.35	0.30	0.26	0.20	0.17	
0.50	0.50	0.20	0.86	0.70	0.59	0.51	0.40	0.36	0.28	0.22	0.17	
	0.30		0.73	0.61	0.52	0.46	0.37	0.31	0.26	0.20	0.17	
	0.20		0.63	0.54	0.47	0.41	0.34	0.29	0.25	0.19	0.16	
0.30	0.50	0.20	0.83	0.67	0.57	0.49	0.38	0.31	0.27	0.20	0.17	
	0.30		0.71	0.59	0.51	0.44	0.35	0.29	0.25	0.20	0.16	
	0.20		0.62	0.53	0.46	0.41	0.33	0.28	0.24	0.19	0.15	
0.00	0.00	0.00	0.53	0.44	0.37	0.32	0.26	0.21	0.18	0.14	0.11	
<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	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21	
	0.30		0.10	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19	
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.14	0.16	0.17	
0.50	0.50	0.20	0.16	0.17	0.17	0.18	0.19	0.19	0.20	0.20	0.20	
	0.30		0.10	0.11	0.12	0.13	0.15	0.16	0.16	0.18	0.18	
	0.20		0.06	0.07	0.08	0.10	0.11	0.13	0.14	0.15	0.16	
0.30	0.50	0.20	0.15	0.16	0.17	0.17	0.18	0.18	0.19	0.19	0.19	
	0.30		0.10	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	
	0.20		0.06	0.07	0.08	0.09	0.11	0.13	0.14	0.15	0.16	
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	511.1	0.5	0.5	0.03	0.03
1.0-2.0	510.9	1.5	2.0	0.10	0.13
2.0-3.0	510.5	2.4	4.4	0.16	0.29
3.0-4.0	510.0	3.4	7.8	0.22	0.51
4.0-5.0	509.3	4.4	12.2	0.29	0.79
5.0-6.0	508.4	5.3	17.5	0.35	1.14
6.0-7.0	507.3	6.3	23.8	0.41	1.55
7.0-8.0	506.1	7.2	31.1	0.47	2.02
8.0-9.0	504.6	8.2	39.3	0.53	2.56
9.0-10.0	503.0	9.1	48.4	0.59	3.15
10.0-11.0	501.2	10.0	58.4	0.65	3.80
11.0-12.0	499.3	10.9	69.3	0.71	4.51
12.0-13.0	497.2	11.8	81.1	0.77	5.28
13.0-14.0	494.9	12.7	93.8	0.82	6.10
14.0-15.0	492.5	13.5	107.3	0.88	6.98
15.0-16.0	489.9	14.4	121.6	0.93	7.92
16.0-17.0	487.1	15.2	136.8	0.99	8.91
17.0-18.0	484.2	16.0	152.8	1.04	9.95
18.0-19.0	481.2	16.7	169.5	1.09	11.04
19.0-20.0	477.9	17.5	187.0	1.14	12.18
20.0-21.0	474.5	18.2	205.2	1.19	13.36
21.0-22.0	471.0	18.9	224.2	1.23	14.59
22.0-23.0	467.3	19.6	243.8	1.28	15.87
23.0-24.0	463.5	20.3	264.1	1.32	17.19
24.0-25.0	459.5	20.9	284.9	1.36	18.55
25.0-26.0	455.3	21.5	306.4	1.40	19.95
26.0-27.0	451.0	22.1	328.5	1.44	21.39
27.0-28.0	446.5	22.6	351.1	1.47	22.86
28.0-29.0	441.9	23.1	374.2	1.51	24.36
29.0-30.0	437.0	23.6	397.8	1.54	25.90
30.0-31.0	432.1	24.0	421.9	1.57	27.47
31.0-32.0	426.9	24.5	446.3	1.59	29.06
32.0-33.0	421.6	24.8	471.2	1.62	30.68
33.0-34.0	416.1	25.2	496.4	1.64	32.32
34.0-35.0	410.4	25.5	521.9	1.66	33.98
35.0-36.0	404.6	25.8	547.6	1.68	35.65

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	398.5	26.0	573.6	1.69	37.34
37.0-38.0	392.3	26.2	599.8	1.70	39.05
38.0-39.0	385.9	26.3	626.1	1.72	40.76
39.0-40.0	379.4	26.5	652.6	1.72	42.49
40.0-41.0	372.7	26.5	679.2	1.73	44.22
41.0-42.0	365.8	26.6	705.7	1.73	45.95
42.0-43.0	358.8	26.6	732.3	1.73	47.68
43.0-44.0	351.6	26.5	758.9	1.73	49.41
44.0-45.0	344.3	26.5	785.3	1.72	51.13
45.0-46.0	336.8	26.3	811.7	1.72	52.84
46.0-47.0	329.1	26.2	837.8	1.70	54.55
47.0-48.0	321.2	26.0	863.8	1.69	56.24
48.0-49.0	313.2	25.7	889.5	1.67	57.91
49.0-50.0	305.1	25.4	915.0	1.66	59.57
50.0-51.0	296.8	25.1	940.1	1.64	61.20
51.0-52.0	288.4	24.8	964.9	1.61	62.82
52.0-53.0	279.9	24.3	989.2	1.59	64.40
53.0-54.0	271.3	23.9	1013.1	1.56	65.96
54.0-55.0	262.5	23.4	1036.6	1.53	67.48
55.0-56.0	253.6	22.9	1059.5	1.49	68.98
56.0-57.0	244.6	22.4	1081.8	1.46	70.43
57.0-58.0	235.5	21.8	1103.6	1.42	71.85
58.0-59.0	226.3	21.2	1124.8	1.38	73.23
59.0-60.0	217.0	20.5	1145.3	1.33	74.56
60.0-61.0	207.6	19.8	1165.1	1.29	75.85
61.0-62.0	198.0	19.1	1184.2	1.24	77.10
62.0-63.0	188.4	18.3	1202.5	1.19	78.29
63.0-64.0	178.8	17.5	1220.1	1.14	79.43
64.0-65.0	169.0	16.7	1236.8	1.09	80.52
65.0-66.0	159.2	15.9	1252.7	1.03	81.55
66.0-67.0	149.4	15.0	1267.7	0.98	82.53
67.0-68.0	139.6	14.1	1281.8	0.92	83.45
68.0-69.0	129.8	13.2	1295.1	0.86	84.31
69.0-70.0	120.0	12.3	1307.4	0.80	85.12
70.0-71.0	110.3	11.4	1318.8	0.74	85.86
71.0-72.0	100.6	10.5	1329.3	0.68	86.54

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	91.1	9.5	1338.8	0.62	87.16
73.0-74.0	81.6	8.6	1347.4	0.56	87.72
74.0-75.0	72.3	7.6	1355.0	0.50	88.22
75.0-76.0	63.3	6.7	1361.7	0.44	88.65
76.0-77.0	54.5	5.8	1367.5	0.38	89.03
77.0-78.0	46.4	5.0	1372.5	0.32	89.36
78.0-79.0	39.0	4.2	1376.7	0.27	89.63
79.0-80.0	32.3	3.5	1380.2	0.23	89.86
80.0-81.0	26.3	2.8	1383.0	0.18	90.04
81.0-82.0	20.7	2.2	1385.3	0.15	90.19
82.0-83.0	15.9	1.7	1387.0	0.11	90.30
83.0-84.0	12.1	1.3	1388.3	0.09	90.39
84.0-85.0	9.2	1.0	1389.3	0.07	90.45
85.0-86.0	6.7	0.7	1390.1	0.05	90.50
86.0-87.0	4.8	0.5	1390.6	0.03	90.53
87.0-88.0	3.4	0.4	1391.0	0.02	90.56
88.0-89.0	2.5	0.3	1391.2	0.02	90.58
89.0-90.0	1.9	0.2	1391.5	0.01	90.59
90.0-91.0	1.6	0.2	1391.6	0.01	90.60
91.0-92.0	1.5	0.2	1391.8	0.01	90.61
92.0-93.0	1.4	0.2	1392.0	0.01	90.62
93.0-94.0	1.5	0.2	1392.1	0.01	90.63
94.0-95.0	1.5	0.2	1392.3	0.01	90.64
95.0-96.0	1.6	0.2	1392.4	0.01	90.65
96.0-97.0	1.6	0.2	1392.6	0.01	90.67
97.0-98.0	1.6	0.2	1392.8	0.01	90.68
98.0-99.0	1.7	0.2	1393.0	0.01	90.69
99.0-100.0	1.8	0.2	1393.2	0.01	90.70
100.0-101.0	1.8	0.2	1393.4	0.01	90.71
101.0-102.0	1.9	0.2	1393.6	0.01	90.73
102.0-103.0	1.9	0.2	1393.8	0.01	90.74
103.0-104.0	2.0	0.2	1394.0	0.01	90.75
104.0-105.0	2.0	0.2	1394.2	0.01	90.77
105.0-106.0	2.1	0.2	1394.4	0.01	90.78
106.0-107.0	2.2	0.2	1394.7	0.01	90.80
107.0-108.0	2.2	0.2	1394.9	0.02	90.81

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	2.3	0.2	1395.1	0.02	90.83
109.0-110.0	2.4	0.2	1395.4	0.02	90.84
110.0-111.0	2.4	0.2	1395.6	0.02	90.86
111.0-112.0	2.5	0.3	1395.9	0.02	90.88
112.0-113.0	2.6	0.3	1396.1	0.02	90.89
113.0-114.0	2.6	0.3	1396.4	0.02	90.91
114.0-115.0	2.7	0.3	1396.7	0.02	90.93
115.0-116.0	2.8	0.3	1396.9	0.02	90.95
116.0-117.0	2.8	0.3	1397.2	0.02	90.96
117.0-118.0	2.9	0.3	1397.5	0.02	90.98
118.0-119.0	3.0	0.3	1397.8	0.02	91.00
119.0-120.0	3.1	0.3	1398.1	0.02	91.02
120.0-121.0	3.1	0.3	1398.4	0.02	91.04
121.0-122.0	3.2	0.3	1398.7	0.02	91.06
122.0-123.0	3.3	0.3	1399.0	0.02	91.08
123.0-124.0	3.3	0.3	1399.3	0.02	91.10
124.0-125.0	3.4	0.3	1399.6	0.02	91.12
125.0-126.0	3.5	0.3	1399.9	0.02	91.14
126.0-127.0	3.5	0.3	1400.2	0.02	91.16
127.0-128.0	3.6	0.3	1400.5	0.02	91.18
128.0-129.0	3.7	0.3	1400.8	0.02	91.20
129.0-130.0	3.7	0.3	1401.2	0.02	91.22
130.0-131.0	3.8	0.3	1401.5	0.02	91.24
131.0-132.0	3.9	0.3	1401.8	0.02	91.26
132.0-133.0	4.0	0.3	1402.1	0.02	91.28
133.0-134.0	4.1	0.3	1402.4	0.02	91.30
134.0-135.0	4.2	0.3	1402.8	0.02	91.33
135.0-136.0	4.3	0.3	1403.1	0.02	91.35
136.0-137.0	4.3	0.3	1403.4	0.02	91.37
137.0-138.0	4.4	0.3	1403.8	0.02	91.39
138.0-139.0	4.4	0.3	1404.1	0.02	91.41
139.0-140.0	4.4	0.3	1404.4	0.02	91.43
140.0-141.0	4.5	0.3	1404.7	0.02	91.45
141.0-142.0	4.5	0.3	1405.0	0.02	91.47
142.0-143.0	4.6	0.3	1405.3	0.02	91.49
143.0-144.0	4.6	0.3	1405.6	0.02	91.51

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	4.7	0.3	1405.9	0.02	91.53
145.0-146.0	4.7	0.3	1406.2	0.02	91.55
146.0-147.0	4.8	0.3	1406.5	0.02	91.57
147.0-148.0	4.8	0.3	1406.8	0.02	91.59
148.0-149.0	4.9	0.3	1407.1	0.02	91.61
149.0-150.0	5.0	0.3	1407.3	0.02	91.62
150.0-151.0	5.0	0.3	1407.6	0.02	91.64
151.0-152.0	5.1	0.3	1407.9	0.02	91.66
152.0-153.0	5.2	0.3	1408.1	0.02	91.68
153.0-154.0	5.4	0.3	1408.4	0.02	91.69
154.0-155.0	5.5	0.3	1408.7	0.02	91.71
155.0-156.0	5.5	0.3	1408.9	0.02	91.73
156.0-157.0	5.6	0.2	1409.2	0.02	91.74
157.0-158.0	5.6	0.2	1409.4	0.02	91.76
158.0-159.0	5.6	0.2	1409.6	0.01	91.77
159.0-160.0	5.7	0.2	1409.8	0.01	91.79
160.0-161.0	5.7	0.2	1410.0	0.01	91.80
161.0-162.0	5.8	0.2	1410.2	0.01	91.81
162.0-163.0	5.8	0.2	1410.4	0.01	91.83
163.0-164.0	5.9	0.2	1410.6	0.01	91.84
164.0-165.0	5.9	0.2	1410.8	0.01	91.85
165.0-166.0	5.9	0.2	1411.0	0.01	91.86
166.0-167.0	5.9	0.2	1411.1	0.01	91.87
167.0-168.0	5.9	0.1	1411.2	0.01	91.88
168.0-169.0	6.0	0.1	1411.4	0.01	91.89
169.0-170.0	6.0	0.1	1411.5	0.01	91.89
170.0-171.0	6.0	0.1	1411.6	0.01	91.90
171.0-172.0	5.9	0.1	1411.7	0.01	91.91
172.0-173.0	5.8	0.1	1411.8	0.01	91.91
173.0-174.0	5.8	0.1	1411.9	0.00	91.92
174.0-175.0	5.8	0.1	1411.9	0.00	91.92
175.0-176.0	5.7	0.0	1412.0	0.00	91.92
176.0-177.0	5.6	0.0	1412.0	0.00	91.93
177.0-178.0	5.6	0.0	1412.0	0.00	91.93
178.0-179.0	5.6	0.0	1412.0	0.00	91.93
179.0-180.0	5.6	0.0	1412.0	0.00	91.93

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	511.6	511.5	511.8	512.0	511.8	508.0	511.6	511.5	511.8	512.0
G1.0	511.4	511.5	511.9	512.3	512.1	508.3	511.7	511.4	511.5	511.5
G2.0	510.9	511.3	511.8	512.3	512.2	508.3	511.6	511.1	511.0	510.9
G3.0	510.3	510.8	511.6	512.2	512.0	508.2	511.3	510.6	510.3	510.1
G4.0	509.6	510.3	511.2	511.9	511.7	507.9	510.9	510.0	509.4	509.1
G5.0	508.6	509.5	510.6	511.4	511.2	507.4	510.3	509.1	508.4	508.0
G6.0	507.5	508.5	509.8	510.7	510.5	506.7	509.5	508.1	507.1	506.6
G7.0	506.2	507.5	508.8	509.8	509.6	505.9	508.5	507.0	505.9	505.1
G8.0	504.8	506.2	507.6	508.6	508.6	504.9	507.4	505.6	504.3	503.4
G9.0	503.0	504.7	506.2	507.3	507.3	503.7	506.2	504.1	502.5	501.6
G10.0	501.3	503.1	504.7	505.8	505.9	502.3	504.6	502.4	500.6	499.6
G11.0	499.3	501.3	502.9	504.2	504.1	500.8	503.0	500.5	498.6	497.4
G12.0	497.3	499.3	501.0	502.4	502.4	499.1	501.1	498.4	496.3	495.0
G13.0	494.9	497.1	498.9	500.5	500.5	497.2	499.2	496.3	494.0	492.6
G14.0	492.5	494.8	496.7	498.5	498.4	495.1	497.0	493.8	491.5	489.9
G15.0	489.9	492.3	494.3	496.2	496.1	492.8	494.7	491.3	488.8	487.2
G16.0	487.1	489.7	491.9	493.8	493.8	490.5	492.2	488.6	485.8	484.2
G17.0	484.2	486.8	489.1	491.3	491.3	487.9	489.6	485.8	482.9	481.0
G18.0	481.1	483.8	486.5	488.7	488.6	485.2	486.7	482.7	479.7	477.8
G19.0	477.9	480.7	483.5	485.8	485.8	482.4	483.7	479.5	476.5	474.5
G20.0	474.5	477.4	480.4	482.8	482.8	479.3	480.6	476.1	472.8	470.8
G21.0	470.8	473.9	477.1	479.7	479.6	476.2	477.3	472.7	469.3	467.0
G22.0	467.2	470.2	473.6	476.4	476.5	472.8	473.8	469.0	465.5	463.1
G23.0	463.3	466.5	470.2	472.9	472.9	469.4	470.1	465.1	461.6	459.0
G24.0	459.4	462.6	466.4	469.2	469.5	465.8	466.4	461.1	457.5	454.6
G25.0	455.3	458.6	462.6	465.4	465.7	461.9	462.3	457.0	453.1	450.1
G26.0	450.9	454.4	458.5	461.4	461.7	458.1	458.2	452.8	448.6	445.4
G27.0	446.5	450.0	454.3	457.3	457.5	454.1	453.9	448.4	443.9	440.5
G28.0	442.0	445.5	449.9	453.0	453.6	449.9	449.7	443.9	439.3	435.5
G29.0	437.3	441.0	445.5	448.4	448.9	445.6	445.1	439.0	434.2	430.2
G30.0	432.3	436.2	440.7	443.7	444.3	441.2	440.3	434.1	429.1	424.5
G31.0	427.5	431.5	436.0	438.7	439.6	436.5	435.5	429.2	423.6	418.8
G32.0	422.3	426.5	430.8	433.6	434.6	431.9	430.6	424.2	418.1	412.5
G33.0	417.0	421.5	425.6	428.1	429.6	427.1	425.4	418.8	412.3	406.1
G34.0	411.7	416.1	420.2	422.5	424.1	422.0	420.1	413.4	406.2	399.6
G35.0	406.3	410.8	414.6	416.7	418.7	417.0	414.8	407.7	400.1	392.8
G36.0	400.6	405.2	408.9	410.6	412.9	411.6	409.2	402.1	393.5	385.6

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	394.8	399.6	402.9	404.8	407.2	406.3	403.3	396.2	386.7	377.9
G38.0	388.9	393.6	396.6	398.4	401.0	400.7	397.6	390.3	379.8	370.2
G39.0	383.0	387.8	390.4	392.1	394.8	395.0	391.6	384.0	372.6	362.5
G40.0	376.8	381.6	383.7	385.5	388.5	389.2	385.6	377.7	365.4	354.6
G41.0	370.7	375.5	377.3	379.0	382.0	383.5	379.3	371.2	357.3	346.2
G42.0	364.0	369.2	370.3	371.5	375.0	377.2	373.1	364.8	349.4	337.9
G43.0	357.7	362.6	363.7	363.7	368.7	371.1	366.5	357.8	341.2	329.7
G44.0	351.0	355.8	356.6	355.8	361.7	364.6	360.1	351.0	333.3	321.2
G45.0	344.4	349.3	349.6	348.0	354.6	358.2	353.4	344.1	324.7	312.5
G46.0	337.6	342.3	341.6	339.4	346.9	351.7	346.7	337.0	316.5	303.8
G47.0	330.6	335.2	333.5	331.1	338.7	345.0	339.4	329.3	307.6	294.9
G48.0	323.5	327.9	325.1	322.6	330.4	337.9	332.5	322.0	299.2	286.1
G49.0	316.4	320.9	316.5	314.0	322.1	330.9	325.1	314.3	290.2	276.9
G50.0	309.1	313.3	307.9	305.0	313.6	323.7	317.9	306.3	281.5	267.6
G51.0	301.7	305.5	299.2	296.4	304.7	316.3	310.3	298.4	272.3	258.5
G52.0	294.1	297.6	290.3	287.1	296.1	308.5	302.9	290.3	263.3	249.0
G53.0	286.4	289.7	281.4	278.3	287.1	301.3	295.1	281.7	253.8	239.4
G54.0	278.9	281.5	272.2	269.1	278.5	293.2	287.3	273.1	244.8	230.0
G55.0	271.0	273.6	263.4	260.1	269.5	285.3	279.6	264.5	234.9	219.9
G56.0	263.0	264.9	254.0	250.4	260.0	277.3	271.4	255.8	225.8	210.0
G57.0	255.2	256.6	244.7	241.0	251.0	269.2	263.3	246.5	215.9	200.3
G58.0	247.0	248.1	234.9	231.3	241.3	260.8	255.0	237.2	206.4	190.5
G59.0	238.7	239.7	225.3	221.5	231.9	252.6	246.8	227.9	196.5	180.1
G60.0	230.1	230.9	215.6	211.6	222.3	244.2	238.2	218.7	186.4	169.7
G61.0	221.8	221.9	206.0	202.1	212.7	235.5	229.6	208.9	176.6	159.7
G62.0	213.1	212.3	195.9	191.9	202.8	226.3	221.0	199.3	166.7	149.4
G63.0	204.5	202.8	186.3	181.9	192.9	217.0	212.2	189.6	156.5	139.3
G64.0	196.0	193.0	176.1	171.6	182.8	207.6	203.5	180.3	146.3	129.3
G65.0	187.3	183.5	166.1	161.7	172.7	198.2	194.5	170.3	135.9	119.1
G66.0	178.4	173.9	155.9	151.1	162.7	188.8	185.5	160.8	126.1	108.7
G67.0	169.3	163.5	145.4	140.8	152.9	179.0	176.2	150.7	116.0	99.0
G68.0	160.2	153.8	135.4	130.8	142.5	169.3	167.3	141.1	106.1	89.1
G69.0	151.1	144.1	125.2	120.7	132.6	159.7	157.8	131.0	96.0	79.3
G70.0	142.0	133.9	115.5	110.7	122.2	149.6	148.4	121.4	86.5	69.6
G71.0	132.7	124.2	105.2	100.8	112.5	139.9	139.3	111.6	77.1	59.8
G72.0	123.5	114.4	95.5	91.4	102.5	129.9	129.9	101.5	67.4	50.3
G73.0	114.5	104.6	85.8	81.9	92.8	120.5	120.5	92.0	58.3	40.7

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	105.7	94.7	76.7	72.6	83.3	110.5	111.2	82.3	48.7	31.6
G75.0	96.4	85.0	67.6	63.5	74.1	100.7	102.3	72.9	39.8	23.3
G76.0	87.6	75.7	58.6	54.7	65.1	91.1	92.5	63.7	30.9	15.9
G77.0	78.3	66.1	49.9	45.8	56.1	81.6	83.6	54.8	22.6	10.2
G78.0	69.8	57.3	41.4	37.6	47.7	72.2	74.5	46.4	15.4	8.4
G79.0	61.0	48.3	32.9	29.5	39.4	62.9	66.1	38.0	9.6	7.5
G80.0	52.6	40.2	25.4	22.3	31.3	54.4	57.2	30.4	7.6	6.5
G81.0	44.4	32.6	18.5	15.6	23.8	45.7	49.0	23.0	6.8	5.6
G82.0	36.9	25.4	12.4	10.3	17.3	37.9	40.8	15.6	5.8	4.7
G83.0	29.5	18.5	7.9	8.2	11.2	30.6	33.4	9.5	4.9	3.8
G84.0	22.8	12.4	7.0	7.4	7.8	23.4	26.2	5.4	4.0	2.9
G85.0	16.6	7.4	6.1	6.5	7.0	16.7	19.7	4.5	3.1	2.0
G86.0	11.4	4.7	5.2	5.6	6.1	11.0	13.9	3.6	2.3	1.2
G87.0	7.2	3.8	4.3	4.7	5.2	6.3	9.0	2.8	1.5	0.7
G88.0	4.2	3.0	3.4	3.8	4.3	4.7	5.4	2.1	1.0	0.6
G89.0	2.2	2.2	2.6	2.9	3.5	3.9	3.2	1.6	1.0	0.6
G90.0	1.9	1.6	1.8	2.1	2.6	3.1	2.2	1.6	1.1	0.7
G91.0	2.2	1.4	1.1	1.3	1.8	2.4	2.6	1.6	1.1	0.7
G92.0	2.3	1.5	0.9	0.8	1.2	1.7	2.8	1.7	1.1	0.8
G93.0	2.3	1.5	1.0	0.7	1.1	1.8	2.9	1.8	1.2	0.8
G94.0	2.2	1.5	1.0	0.8	1.2	1.8	2.9	1.8	1.3	0.9
G95.0	2.2	1.5	1.1	0.8	1.2	1.9	2.8	1.9	1.3	0.9
G96.0	2.2	1.6	1.1	0.9	1.3	1.9	2.8	1.9	1.4	1.0
G97.0	2.2	1.6	1.2	1.0	1.4	2.0	2.8	2.0	1.5	1.1
G98.0	2.2	1.7	1.2	1.0	1.4	2.0	2.8	2.0	1.5	1.1
G99.0	2.2	1.7	1.3	1.1	1.5	2.1	2.8	2.1	1.6	1.2
G100.0	2.2	1.8	1.4	1.1	1.5	2.2	2.8	2.2	1.6	1.3
G101.0	2.3	1.9	1.4	1.2	1.6	2.2	2.8	2.2	1.7	1.3
G102.0	2.3	1.9	1.5	1.3	1.7	2.3	2.8	2.3	1.8	1.4
G103.0	2.4	2.0	1.6	1.3	1.8	2.3	2.8	2.4	1.8	1.5
G104.0	2.4	2.0	1.6	1.4	1.8	2.4	2.8	2.5	1.9	1.5
G105.0	2.5	2.1	1.7	1.5	1.9	2.5	2.9	2.5	2.0	1.6
G106.0	2.5	2.2	1.8	1.5	2.0	2.5	2.9	2.6	2.0	1.7
G107.0	2.6	2.2	1.8	1.6	2.0	2.6	2.9	2.6	2.1	1.7
G108.0	2.6	2.3	1.9	1.7	2.1	2.7	3.0	2.7	2.2	1.8
G109.0	2.7	2.4	1.9	1.7	2.1	2.7	3.0	2.8	2.2	1.9
G110.0	2.7	2.4	2.0	1.8	2.2	2.8	3.1	2.9	2.3	2.0

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	2.8	2.5	2.1	1.9	2.3	2.8	3.1	2.9	2.4	2.1
G112.0	2.9	2.6	2.2	2.0	2.4	2.9	3.2	2.9	2.5	2.1
G113.0	2.9	2.6	2.2	2.0	2.5	3.0	3.2	3.0	2.5	2.2
G114.0	3.0	2.7	2.3	2.1	2.5	3.0	3.3	3.0	2.6	2.3
G115.0	3.1	2.7	2.4	2.2	2.6	3.1	3.3	3.1	2.7	2.4
G116.0	3.2	2.8	2.5	2.3	2.7	3.1	3.4	3.1	2.7	2.4
G117.0	3.3	2.9	2.5	2.3	2.7	3.2	3.4	3.2	2.8	2.5
G118.0	3.4	2.9	2.6	2.4	2.8	3.3	3.4	3.3	2.9	2.6
G119.0	3.7	3.0	2.7	2.5	2.9	3.3	3.5	3.3	2.9	2.7
G120.0	3.8	3.1	2.8	2.6	3.0	3.4	3.5	3.4	3.0	2.7
G121.0	3.8	3.1	2.9	2.6	3.0	3.4	3.6	3.5	3.1	2.8
G122.0	3.9	3.2	2.9	2.7	3.1	3.5	3.7	3.5	3.2	2.9
G123.0	4.0	3.2	3.0	2.8	3.2	3.6	3.7	3.6	3.2	3.0
G124.0	4.1	3.3	3.1	2.9	3.2	3.6	3.8	3.7	3.3	3.0
G125.0	4.1	3.3	3.2	3.0	3.3	3.7	3.8	3.7	3.4	3.1
G126.0	4.2	3.4	3.2	3.0	3.4	3.8	3.9	3.8	3.4	3.2
G127.0	4.2	3.5	3.3	3.1	3.5	3.8	3.9	3.8	3.5	3.3
G128.0	4.4	3.5	3.4	3.2	3.5	3.9	4.0	3.9	3.6	3.3
G129.0	4.7	3.6	3.4	3.3	3.6	4.0	4.1	4.0	3.6	3.4
G130.0	5.0	3.7	3.5	3.3	3.7	4.0	4.1	4.0	3.7	3.5
G131.0	5.3	3.7	3.5	3.4	3.7	4.1	4.2	4.1	3.8	3.5
G132.0	5.6	3.8	3.6	3.5	3.8	4.1	4.2	4.2	3.8	3.6
G133.0	5.9	3.8	3.6	3.5	3.8	4.2	4.3	4.2	3.9	3.7
G134.0	6.2	3.9	3.7	3.6	3.9	4.3	4.3	4.3	4.0	3.7
G135.0	6.5	4.0	3.7	3.7	4.0	4.3	4.4	4.4	4.0	3.8
G136.0	6.6	4.2	3.8	3.7	4.0	4.4	4.4	4.6	4.1	3.8
G137.0	6.1	4.3	3.8	3.8	4.1	4.4	4.5	4.7	4.2	3.9
G138.0	5.5	4.4	3.9	3.9	4.2	4.5	4.6	4.8	4.2	4.0
G139.0	5.0	4.5	4.0	3.9	4.2	4.7	4.6	4.8	4.3	4.1
G140.0	4.6	4.7	4.0	4.0	4.3	4.9	4.7	4.8	4.3	4.1
G141.0	4.5	5.0	4.1	4.1	4.4	5.2	4.7	4.8	4.4	4.2
G142.0	4.6	5.2	4.1	4.1	4.4	5.3	4.8	4.8	4.5	4.2
G143.0	4.6	5.3	4.2	4.2	4.5	5.3	4.8	4.9	4.6	4.3
G144.0	4.7	5.3	4.2	4.3	4.6	5.3	4.9	4.9	4.6	4.4
G145.0	4.7	5.2	4.3	4.3	4.6	5.1	4.9	5.0	4.7	4.4
G146.0	4.8	5.2	4.4	4.4	4.7	5.1	4.9	5.1	4.8	4.5
G147.0	4.8	5.1	4.4	4.5	4.7	5.1	4.9	5.1	4.8	4.6

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	4.9	5.1	4.5	4.5	4.8	5.1	4.9	5.2	4.9	4.6
G149.0	4.9	5.2	4.6	4.6	4.9	5.2	4.8	5.2	5.0	4.7
G150.0	4.9	5.2	4.6	4.6	4.9	5.2	4.8	5.3	5.1	4.7
G151.0	5.0	5.3	4.8	4.7	5.0	5.3	4.7	5.3	5.3	4.8
G152.0	5.0	5.3	4.9	4.8	5.1	5.4	4.8	5.3	5.4	4.9
G153.0	5.1	5.4	5.1	4.8	5.3	5.4	4.8	5.3	5.5	5.0
G154.0	5.1	5.4	5.3	4.9	5.6	5.5	4.8	5.4	5.4	5.3
G155.0	5.0	5.5	5.6	5.0	5.9	5.5	4.9	5.6	5.4	5.4
G156.0	5.0	5.5	5.8	5.2	6.0	5.6	4.9	5.7	5.4	5.4
G157.0	5.0	5.7	5.8	5.4	5.9	5.7	4.9	5.9	5.4	5.4
G158.0	5.1	5.7	5.8	5.7	5.7	5.7	5.0	6.1	5.5	5.3
G159.0	5.1	5.6	5.6	5.9	5.6	5.8	5.1	6.2	5.6	5.3
G160.0	5.1	5.6	5.5	5.9	5.7	5.7	5.1	6.2	5.7	5.3
G161.0	5.2	5.8	5.5	5.8	5.7	5.6	5.1	6.3	5.9	5.4
G162.0	5.2	6.0	5.6	5.7	5.8	5.6	5.2	6.3	6.1	5.5
G163.0	5.2	6.2	5.6	5.7	5.8	5.6	5.2	6.1	6.3	5.7
G164.0	5.3	6.3	5.7	5.7	5.9	5.7	5.3	5.9	6.4	5.9
G165.0	5.3	6.4	5.7	5.8	6.0	5.9	5.3	5.6	6.5	6.1
G166.0	5.3	6.4	5.8	5.8	6.0	6.1	5.3	5.5	6.5	6.3
G167.0	5.3	6.4	5.9	5.9	6.0	6.2	5.4	5.5	6.5	6.4
G168.0	5.4	6.3	5.8	6.0	6.0	6.2	5.4	5.5	6.5	6.4
G169.0	5.4	6.3	6.0	6.1	6.2	6.2	5.4	5.5	6.5	6.4
G170.0	5.4	6.3	6.1	6.0	6.4	6.1	5.5	5.5	6.3	6.4
G171.0	5.5	6.2	6.3	6.2	6.5	5.9	5.5	5.5	5.8	6.4
G172.0	5.5	5.9	6.4	6.4	6.5	5.6	5.5	5.5	5.6	5.8
G173.0	5.5	5.6	6.4	6.5	6.5	5.6	5.6	5.5	5.6	5.5
G174.0	5.5	5.5	6.4	6.5	6.5	5.6	5.6	5.6	5.6	5.5
G175.0	5.6	5.5	6.3	6.5	6.1	5.5	5.6	5.6	5.6	5.5
G176.0	5.6	5.5	5.8	6.2	5.7	5.5	5.6	5.6	5.6	5.6
G177.0	5.6	5.5	5.6	5.7	5.6	5.5	5.7	5.6	5.6	5.6
G178.0	5.6	5.5	5.6	5.7	5.6	5.5	5.7	5.6	5.6	5.6
G179.0	5.7	5.6	5.6	5.7	5.6	5.6	5.7	5.6	5.6	5.6
G180.0	5.7	5.6	5.6	5.7	5.6	5.6	5.7	5.5	5.6	5.7

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	511.8	508.0	511.6							
G1.0	511.3	507.7	511.4							
G2.0	510.8	507.1	510.9							
G3.0	510.0	506.3	510.3							
G4.0	509.0	505.4	509.6							
G5.0	507.9	504.3	508.6							
G6.0	506.5	503.0	507.5							
G7.0	505.0	501.5	506.2							
G8.0	503.3	499.9	504.8							
G9.0	501.5	498.2	503.0							
G10.0	499.4	496.1	501.3							
G11.0	497.3	494.1	499.3							
G12.0	494.9	491.8	497.3							
G13.0	492.4	489.4	494.9							
G14.0	489.7	486.7	492.5							
G15.0	487.0	483.9	489.9							
G16.0	483.9	480.9	487.1							
G17.0	480.8	477.7	484.2							
G18.0	477.6	474.5	481.1							
G19.0	474.0	471.1	477.9							
G20.0	470.4	467.4	474.5							
G21.0	466.7	463.6	470.8							
G22.0	462.8	459.8	467.2							
G23.0	458.5	455.6	463.3							
G24.0	454.4	451.4	459.4							
G25.0	450.0	447.0	455.3							
G26.0	445.4	442.5	450.9							
G27.0	440.6	438.0	446.5							
G28.0	435.6	433.2	442.0							
G29.0	430.5	428.1	437.3							
G30.0	425.4	423.1	432.3							
G31.0	419.7	417.9	427.5							
G32.0	414.0	412.4	422.3							
G33.0	408.3	406.9	417.0							
G34.0	402.3	401.2	411.7							
G35.0	395.6	395.5	406.3							
G36.0	389.3	389.6	400.6							

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	382.3	383.6	394.8							
G38.0	375.2	377.4	388.9							
G39.0	367.7	370.9	383.0							
G40.0	360.5	364.4	376.8							
G41.0	352.2	357.9	370.7							
G42.0	344.3	351.0	364.0							
G43.0	335.8	344.1	357.7							
G44.0	327.6	337.0	351.0							
G45.0	319.1	329.8	344.4							
G46.0	310.5	322.4	337.6							
G47.0	301.8	314.6	330.6							
G48.0	293.2	307.0	323.5							
G49.0	283.9	299.1	316.4							
G50.0	275.1	291.0	309.1							
G51.0	265.9	282.7	301.7							
G52.0	256.8	274.0	294.1							
G53.0	247.4	265.5	286.4							
G54.0	237.9	256.8	278.9							
G55.0	228.3	247.4	271.0							
G56.0	218.5	238.8	263.0							
G57.0	209.0	229.0	255.2							
G58.0	199.1	219.8	247.0							
G59.0	188.8	210.3	238.7							
G60.0	179.1	200.7	230.1							
G61.0	168.8	190.9	221.8							
G62.0	158.5	181.3	213.1							
G63.0	148.6	171.7	204.5							
G64.0	138.5	161.9	196.0							
G65.0	128.0	152.2	187.3							
G66.0	117.9	142.2	178.4							
G67.0	108.0	132.4	169.3							
G68.0	98.1	122.3	160.2							
G69.0	88.0	112.7	151.1							
G70.0	78.5	102.8	142.0							
G71.0	68.9	93.0	132.7							
G72.0	59.6	83.6	123.5							
G73.0	50.1	74.0	114.5							

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	40.5	64.8	105.7							
G75.0	31.5	55.7	96.4							
G76.0	23.0	46.8	87.6							
G77.0	15.8	38.7	78.3							
G78.0	9.7	30.8	69.8							
G79.0	7.6	23.0	61.0							
G80.0	6.7	15.6	52.6							
G81.0	5.7	9.3	44.4							
G82.0	4.8	5.1	36.9							
G83.0	3.9	4.2	29.5							
G84.0	3.0	3.3	22.8							
G85.0	2.1	2.5	16.6							
G86.0	1.3	1.7	11.4							
G87.0	0.8	1.2	7.2							
G88.0	0.8	1.2	4.2							
G89.0	0.9	1.3	2.2							
G90.0	0.9	1.3	1.9							
G91.0	0.9	1.3	2.2							
G92.0	1.0	1.4	2.3							
G93.0	1.1	1.4	2.3							
G94.0	1.1	1.5	2.2							
G95.0	1.2	1.5	2.2							
G96.0	1.2	1.6	2.2							
G97.0	1.3	1.6	2.2							
G98.0	1.3	1.7	2.2							
G99.0	1.4	1.7	2.2							
G100.0	1.5	1.8	2.2							
G101.0	1.5	1.9	2.3							
G102.0	1.6	1.9	2.3							
G103.0	1.6	2.0	2.4							
G104.0	1.7	2.0	2.4							
G105.0	1.8	2.1	2.5							
G106.0	1.8	2.2	2.5							
G107.0	1.9	2.2	2.6							
G108.0	2.0	2.3	2.6							
G109.0	2.0	2.4	2.7							
G110.0	2.1	2.4	2.7							

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	2.2	2.5	2.8							
G112.0	2.3	2.5	2.9							
G113.0	2.4	2.6	2.9							
G114.0	2.5	2.7	3.0							
G115.0	2.6	2.7	3.1							
G116.0	2.7	2.8	3.2							
G117.0	2.7	2.8	3.3							
G118.0	2.8	2.9	3.4							
G119.0	2.9	2.9	3.7							
G120.0	2.9	3.0	3.8							
G121.0	3.0	3.0	3.8							
G122.0	3.1	3.1	3.9							
G123.0	3.1	3.1	4.0							
G124.0	3.2	3.2	4.1							
G125.0	3.2	3.3	4.1							
G126.0	3.3	3.3	4.2							
G127.0	3.3	3.4	4.2							
G128.0	3.4	3.5	4.4							
G129.0	3.4	3.5	4.7							
G130.0	3.5	3.6	5.0							
G131.0	3.5	3.7	5.3							
G132.0	3.6	3.8	5.6							
G133.0	3.7	3.9	5.9							
G134.0	3.7	4.0	6.2							
G135.0	3.8	4.2	6.5							
G136.0	3.8	4.4	6.6							
G137.0	3.9	4.5	6.1							
G138.0	3.9	4.6	5.5							
G139.0	4.0	4.6	5.0							
G140.0	4.0	4.6	4.6							
G141.0	4.1	4.5	4.5							
G142.0	4.2	4.5	4.6							
G143.0	4.2	4.6	4.6							
G144.0	4.3	4.6	4.7							
G145.0	4.3	4.7	4.7							
G146.0	4.4	4.8	4.8							
G147.0	4.5	4.8	4.8							

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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	4.6	5.0	4.9							
G149.0	4.6	5.4	4.9							
G150.0	4.8	5.7	4.9							
G151.0	5.1	6.0	5.0							
G152.0	5.2	6.3	5.0							
G153.0	5.3	6.6	5.1							
G154.0	5.2	7.0	5.1							
G155.0	5.2	7.1	5.0							
G156.0	5.1	7.1	5.0							
G157.0	5.1	7.1	5.0							
G158.0	5.1	7.1	5.1							
G159.0	5.2	7.0	5.1							
G160.0	5.3	7.0	5.1							
G161.0	5.6	7.0	5.2							
G162.0	5.8	6.9	5.2							
G163.0	5.9	6.8	5.2							
G164.0	6.1	6.6	5.3							
G165.0	6.3	6.2	5.3							
G166.0	6.3	5.7	5.3							
G167.0	6.3	5.3	5.3							
G168.0	6.3	5.3	5.4							
G169.0	6.4	5.3	5.4							
G170.0	6.3	5.4	5.4							
G171.0	6.0	5.4	5.5							
G172.0	5.5	5.4	5.5							
G173.0	5.5	5.4	5.5							
G174.0	5.5	5.4	5.5							
G175.0	5.5	5.5	5.6							
G176.0	5.5	5.5	5.6							
G177.0	5.6	5.5	5.6							
G178.0	5.6	5.5	5.6							
G179.0	5.6	5.6	5.7							
G180.0	5.6	5.6	5.7							

C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 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: