

Report No.: 20200708

Test Time: 2020-07-09 14:19

Luminaire Property

Luminaire Manufacturer:

Luminaire Category: NB

Luminaire Description: MX603C-LD40WDD-2X2

Lamp Catalog: 4000K

Number of Lamps: 72X4

Luminous Length (mm): 600

Luminous Height (mm): 45

Current: 0.287 A

Power Factor: 0.995

Lamp Description: LP-UP10LPC-1050

Lumens per Lamp: 25-27 27-29

Luminous Width (mm): 600

Voltage: 118.9 V

Power: 33.97 W

Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 3940 lm

Downward Ratio: 190.56%

Field Angle: H208.1 V202.4

Luminaire Efficacy Rating (LER): 116

Max. Intensity: 996.8 cd

Total Rated Lamp Lumens: 1800.0 lm

Efficiency: 218.89%

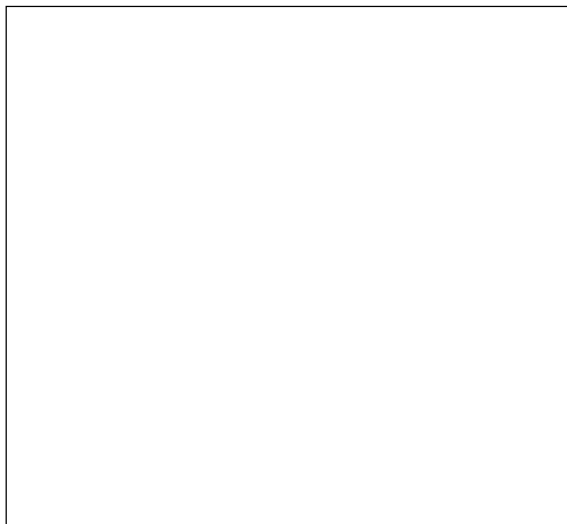
Upward Ratio: 28.33%

Beam Angle: H126.9 V122.8

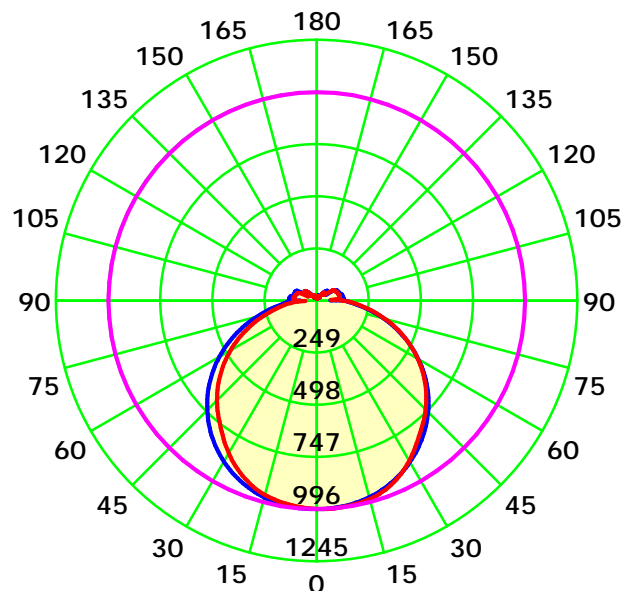
Central Intensity: 996.8 cd

Pos of Max. Intensity: H0 V0

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 124.9° Unit: cd

— C0-C180 — C90-C270 — 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

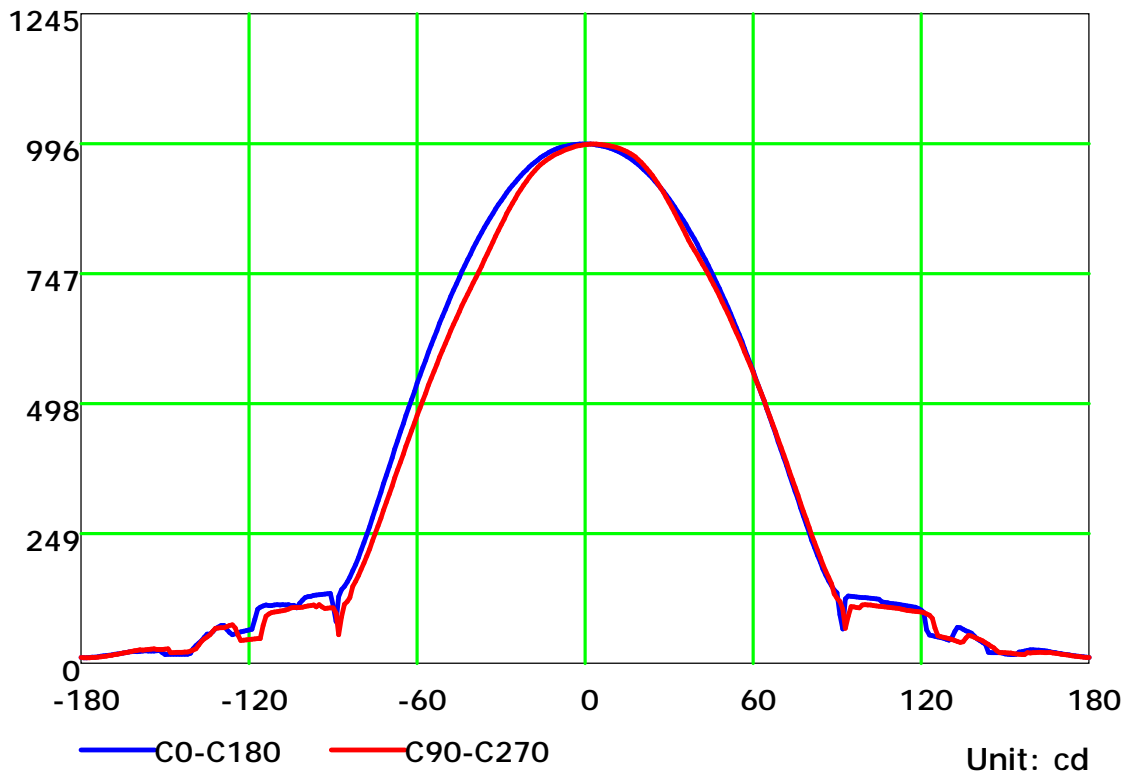
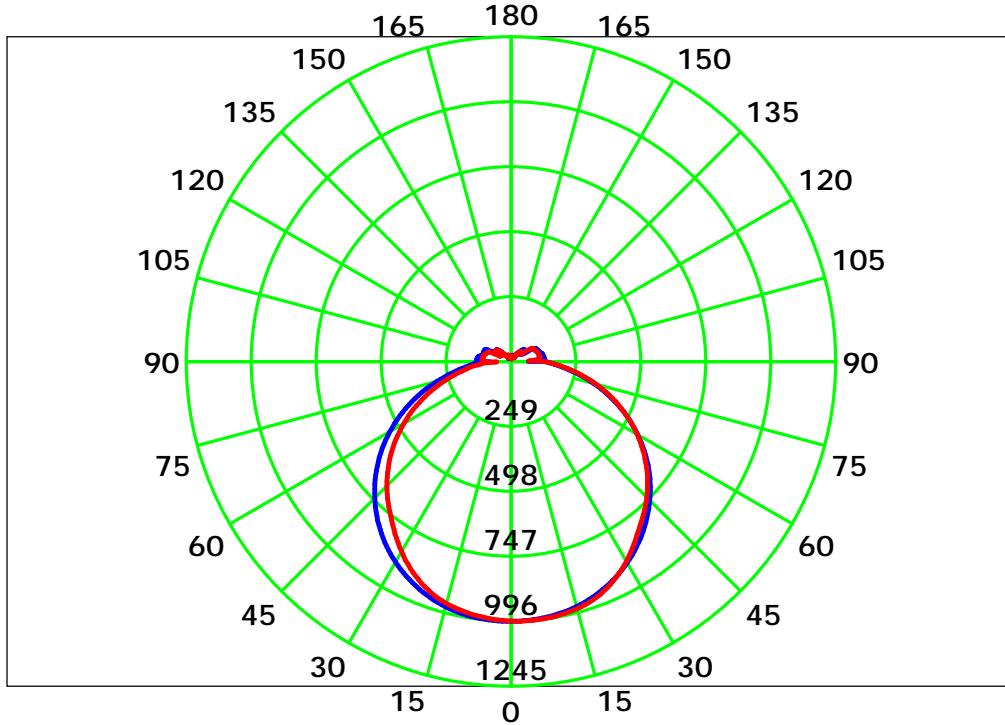
Test Device: GPM-1600L

Distance: 8.690 m

Humidity: 88

Inspector:

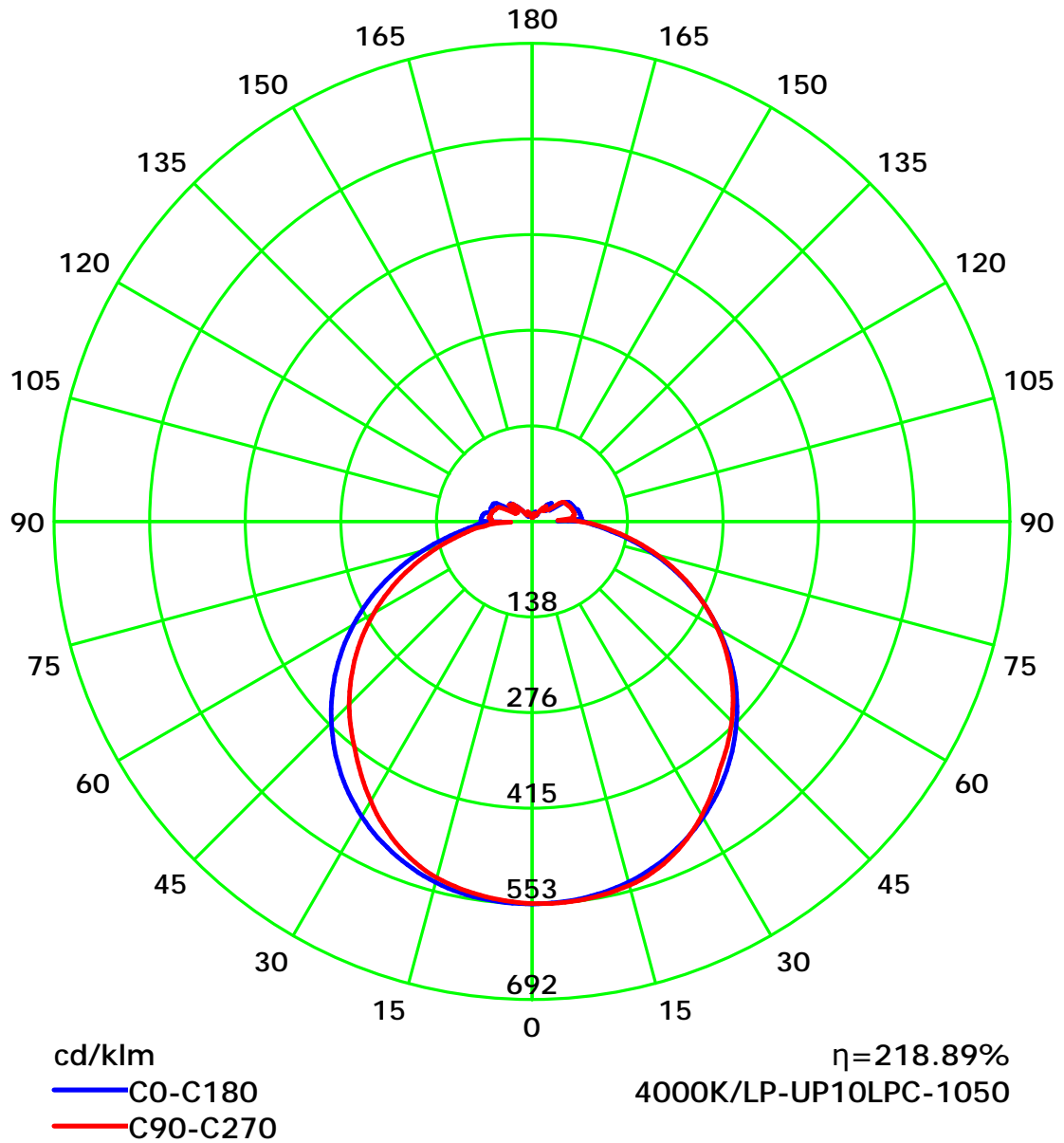
Luminous Intensity Distribution Curve



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)



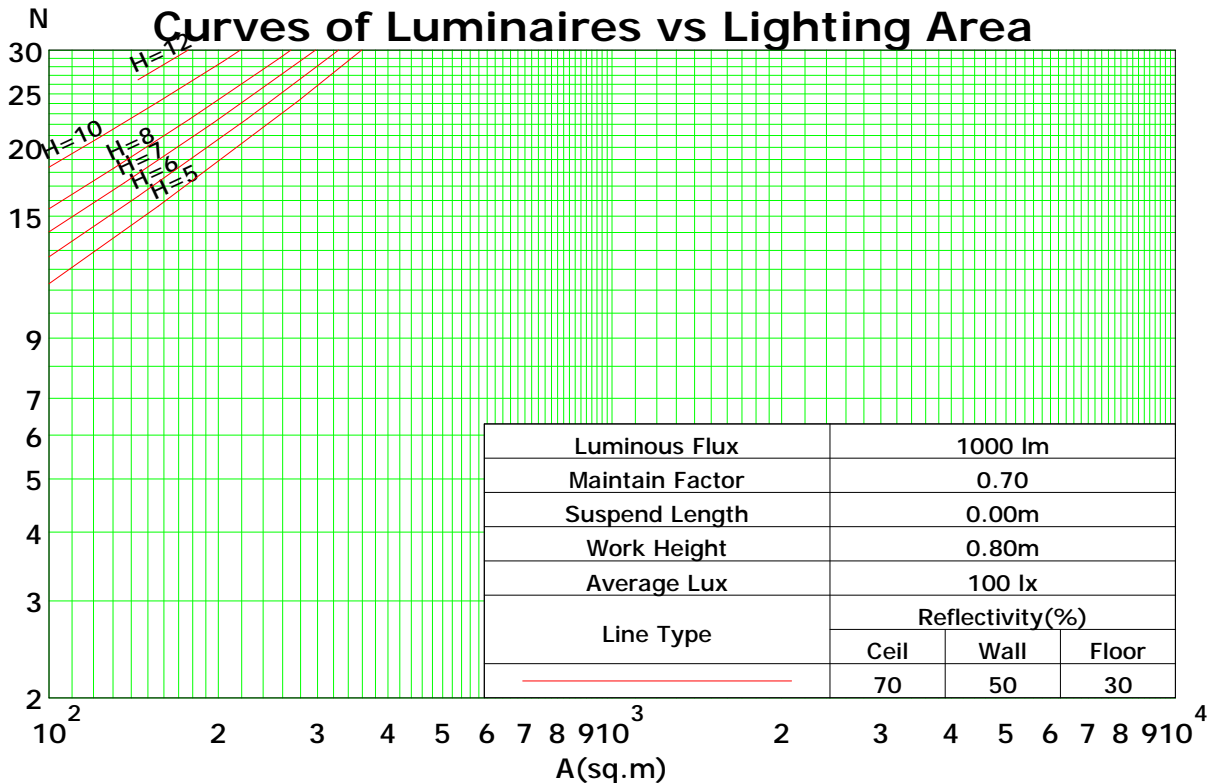
C Plane (°):0.0-360.0: 30.0
 Test Lab: 70
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

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	254	254	254	254	245	245	245	245	227	227	227	212	212	212	197	197	197	191
1	228	216	205	195	219	208	198	189	193	185	178	180	173	168	167	162	158	151
2	205	185	169	155	197	179	164	151	166	154	144	155	145	136	144	136	129	122
3	186	161	142	127	178	156	138	124	145	130	118	135	123	113	126	116	107	101
4	170	142	122	106	162	137	119	104	128	112	100	120	106	95	112	100	91	85
5	156	126	106	91	149	122	103	89	114	98	85	107	93	82	100	88	78	73
6	143	113	93	79	137	110	91	77	103	86	74	96	82	71	90	78	68	63
7	133	102	83	69	127	99	81	68	93	77	65	88	73	63	82	70	60	55
8	123	93	74	61	118	90	72	60	85	69	58	80	66	56	75	63	54	49
9	115	85	67	54	110	83	65	54	78	63	52	74	60	50	70	57	48	44
10	108	78	61	49	103	76	59	48	72	57	47	68	55	45	64	52	44	40

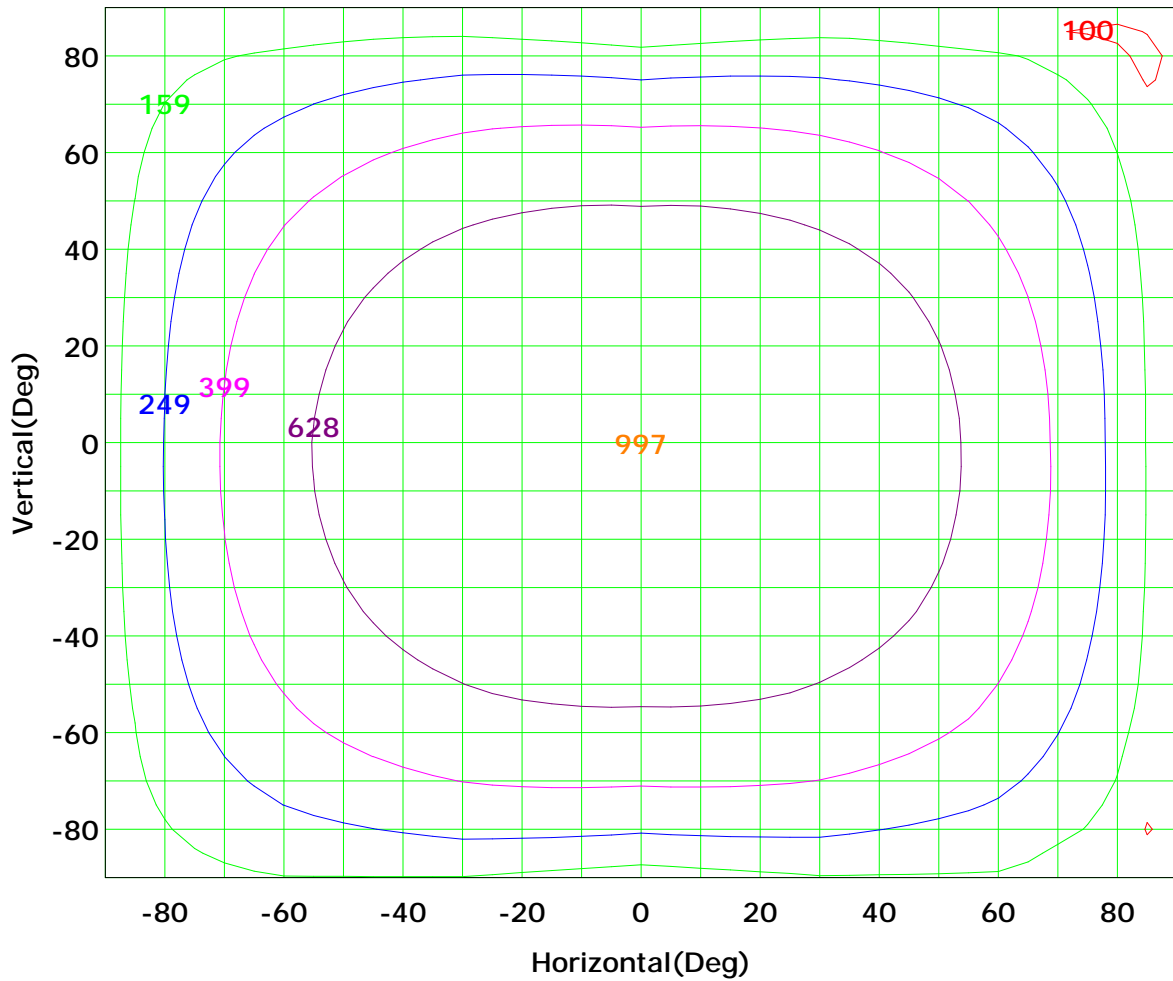
Spacing Criteria (0-180): 1.33
Spacing Criteria (90-270): 1.28
Spacing Criteria (Diagonal): 1.45



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)



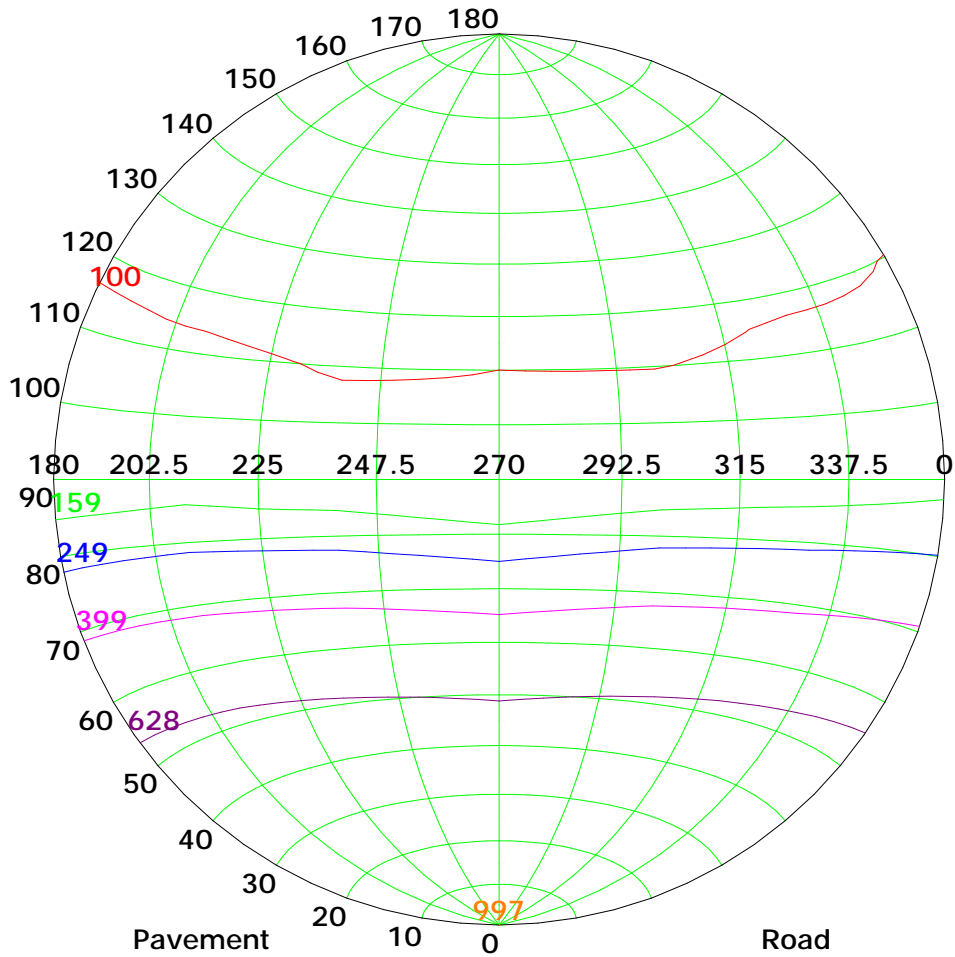
I_{max} (100%): 997 cd

— (10%): 100 cd	— (16%): 159 cd
— (25%): 249 cd	— (40%): 399 cd
— (63%): 628 cd	— (100%): 997 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)



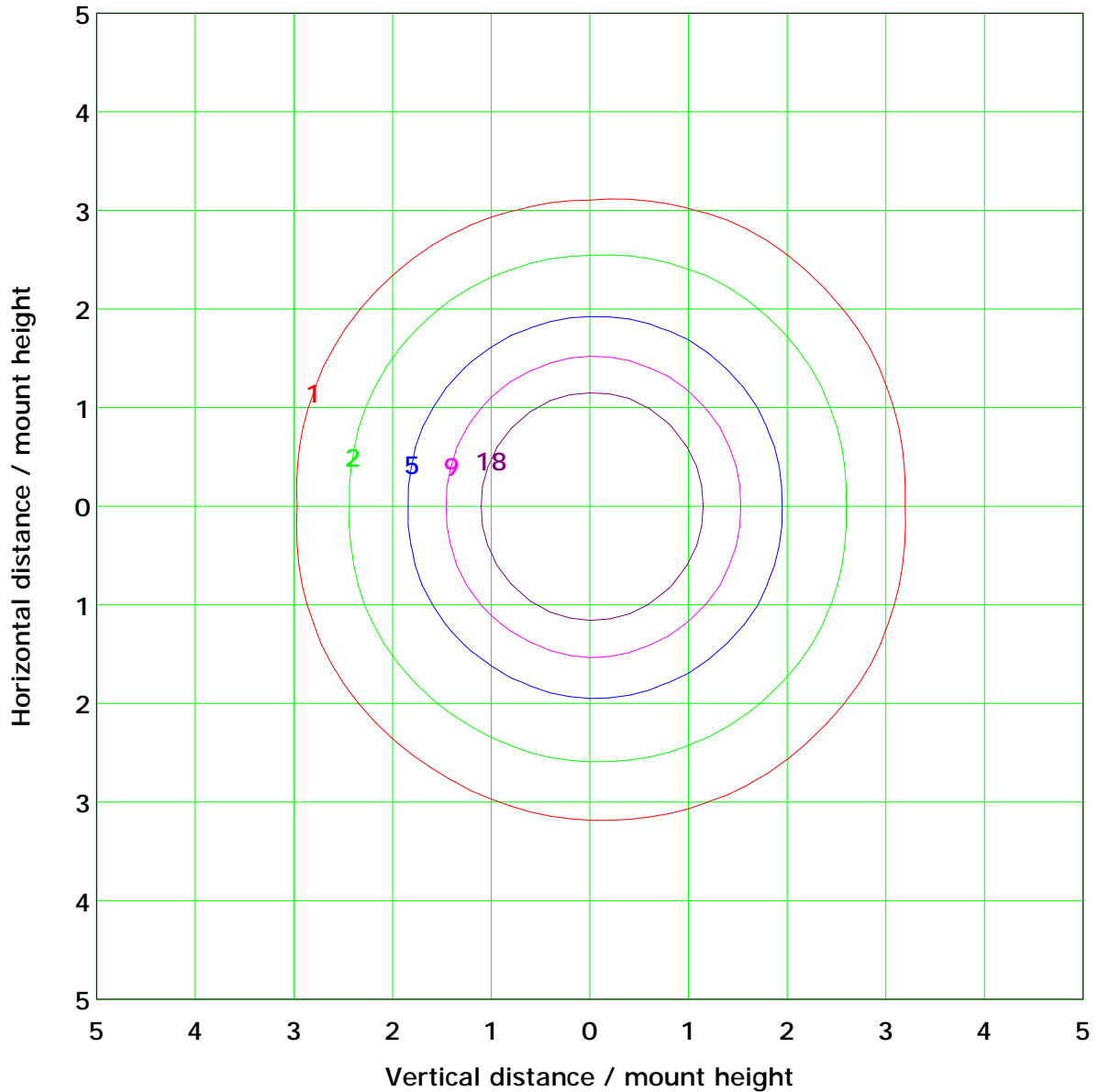
Imax (100%): 997 cd

— (10%): 100 cd	— (16%): 159 cd
— (25%): 249 cd	— (40%): 399 cd
— (63%): 628 cd	— (100%): 997 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

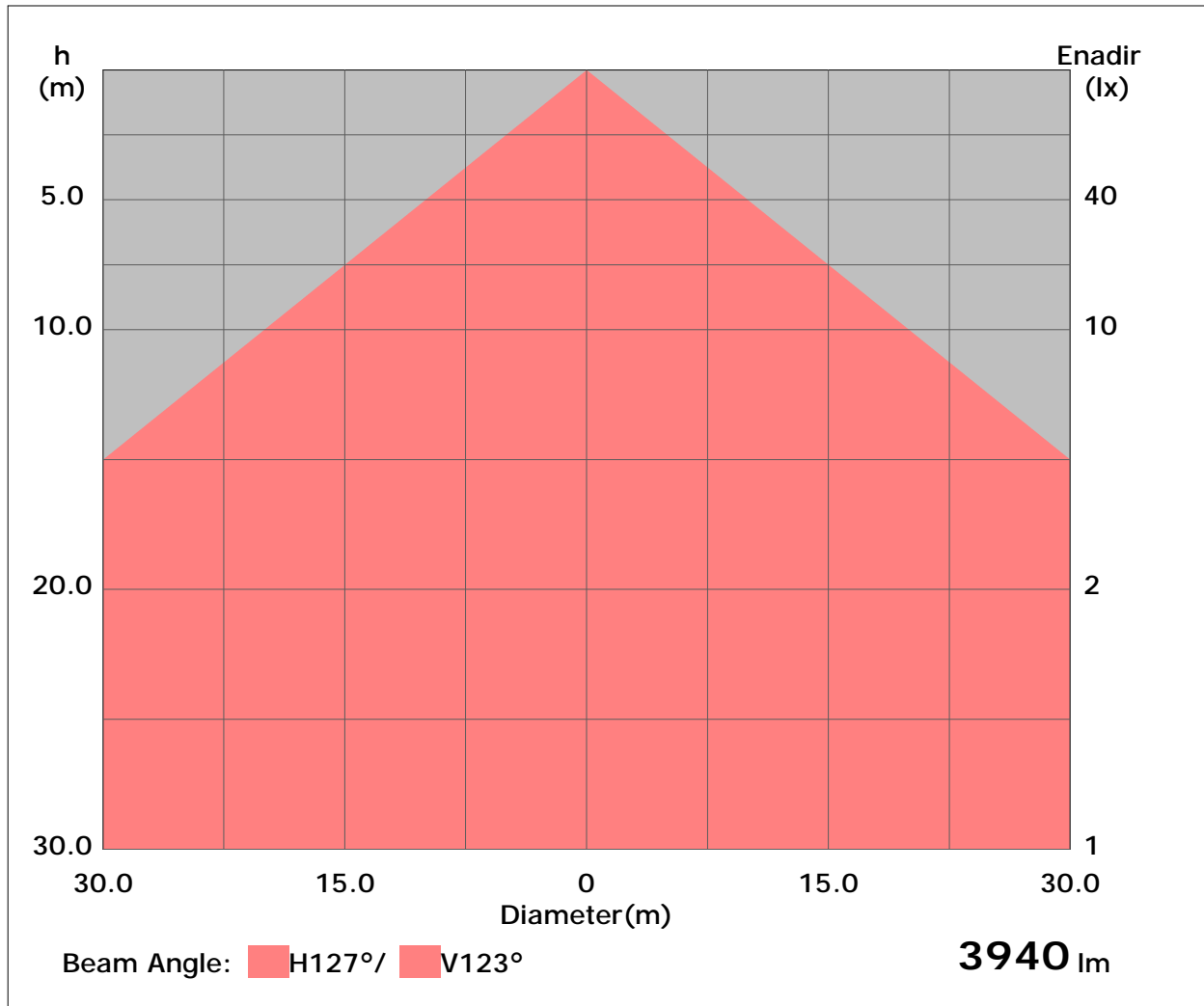


Mounting Height: 3.3m Max Lux(100%): 91.5 lx	
— (1%): 0.9 lx	— (2%): 1.8 lx
— (5%): 4.6 lx	— (10%): 9.2 lx
— (20%): 18.3 lx	

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:

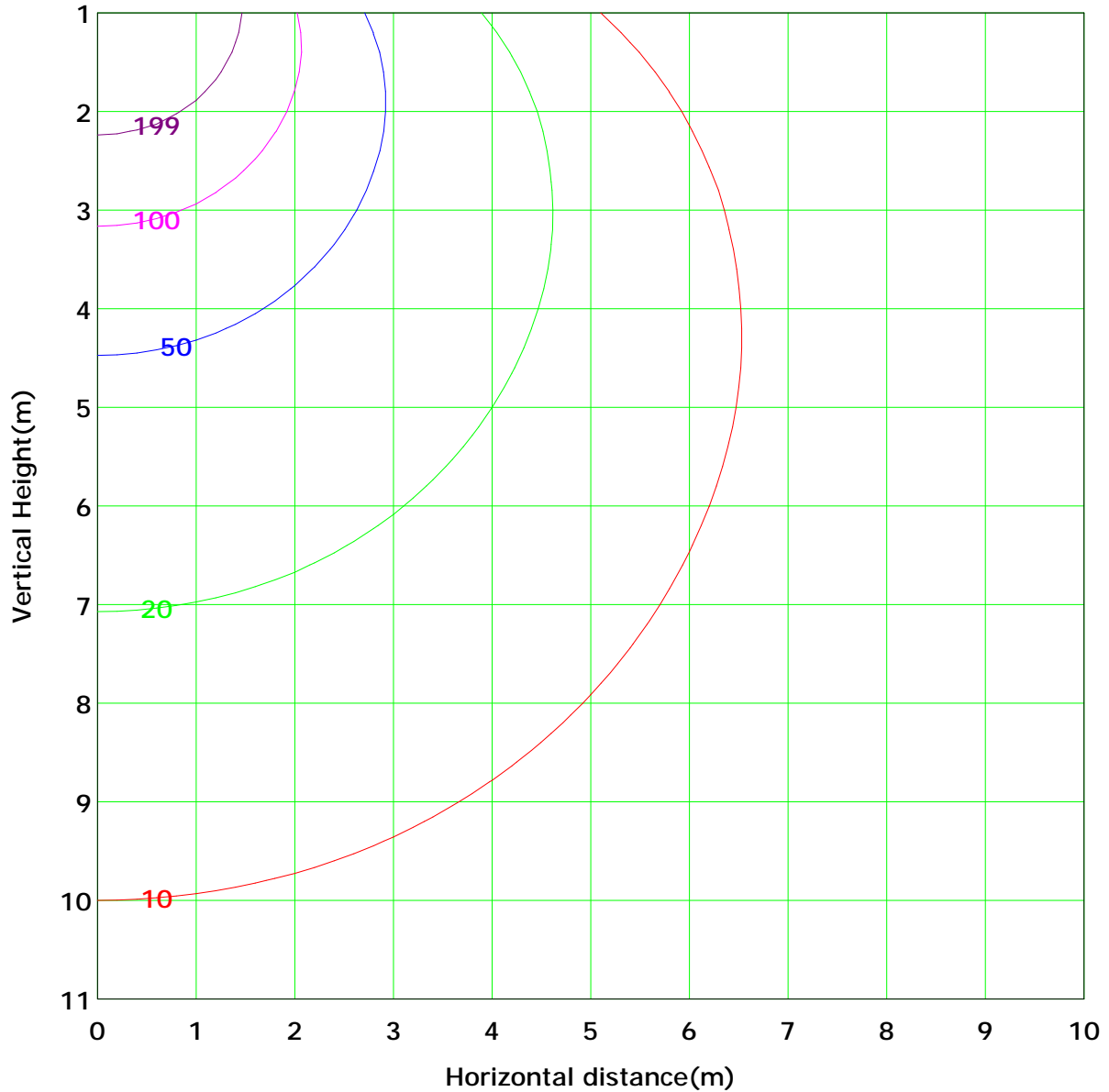
Illuminance at a Distance



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: 996.8 lx
 (1%): 10.0 lx (2%): 19.9 lx
 (5%): 49.8 lx (10%): 99.7 lx
 (20%): 199.4 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:

Area Flux Table

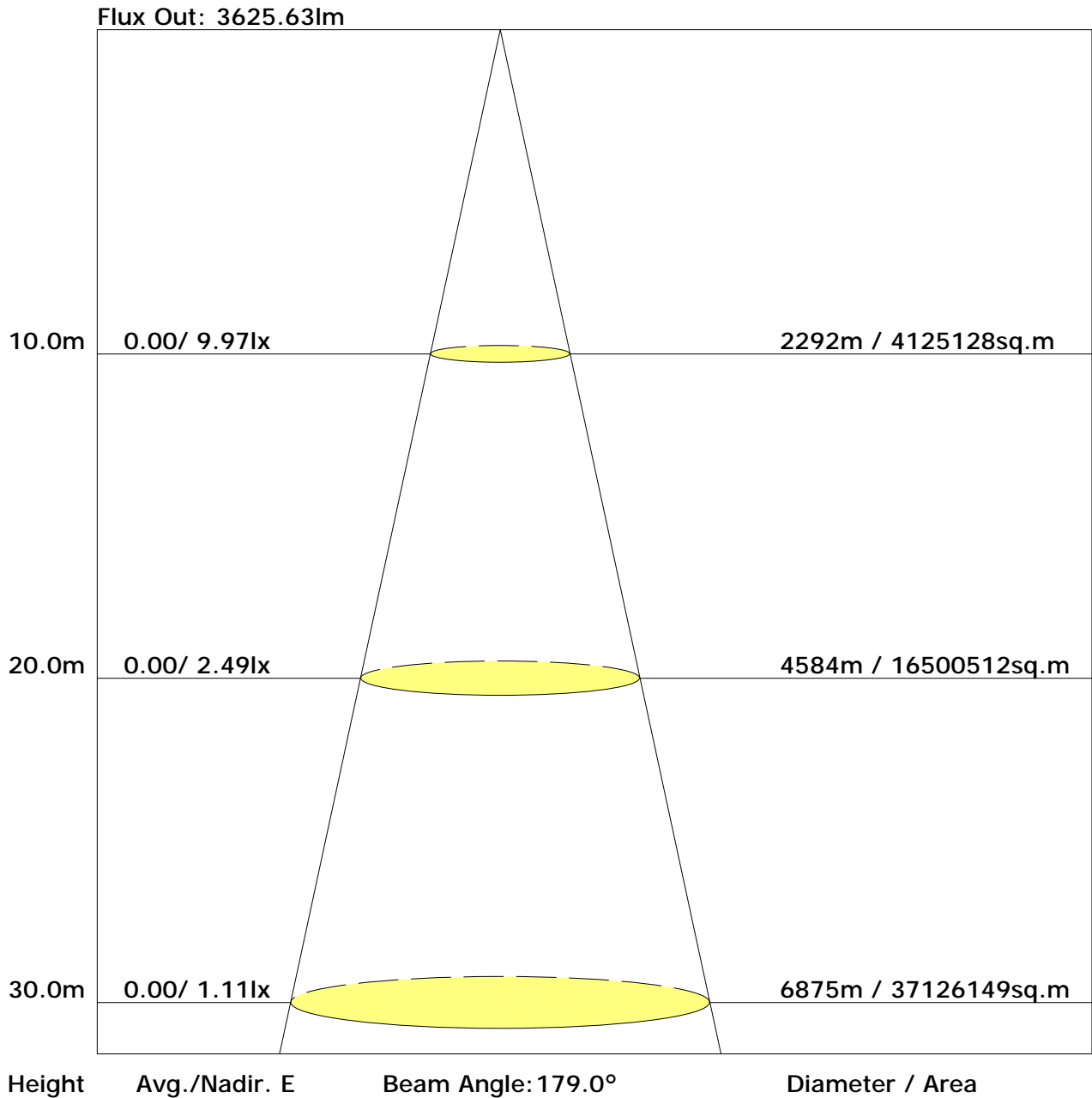
Unit: lm

		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)	6.8	7.2	76.6	133.3	195.5	256.0	306.0	340.0	355.7	355.9	340.7	307.2	2257.6	197.8	136.4	80.6	36.4	8.4	3424		
		32.7	33.0	76.9	133.6	195.8	256.4	306.5	340.5	356.2	356.4	341.2	307.7	2258.1	198.2	136.8	80.8	36.4	8.4	3430		
		0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	68.3	68.3
		1.1	1.4	2.1	2.8	3.2	4.2	4.5	5.1	5.7	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	107.0	106.9
		1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	146.7	146.7
		1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	182.9	182.9
		2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	213.9	213.9
		2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	241.1	241.1
		2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	264.7	264.7
		2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	278.5	278.5
		2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	281.0	281.0
		2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	282.9	282.9
		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	272.5	272.5
		2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	254.3	254.3
		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	2.6	227.2	227.2
		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	2.6	196.2	196.2
		2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	161.2	161.1
		2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	122.3	122.3
		2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	82.8	82.7
		2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	46.5	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:

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

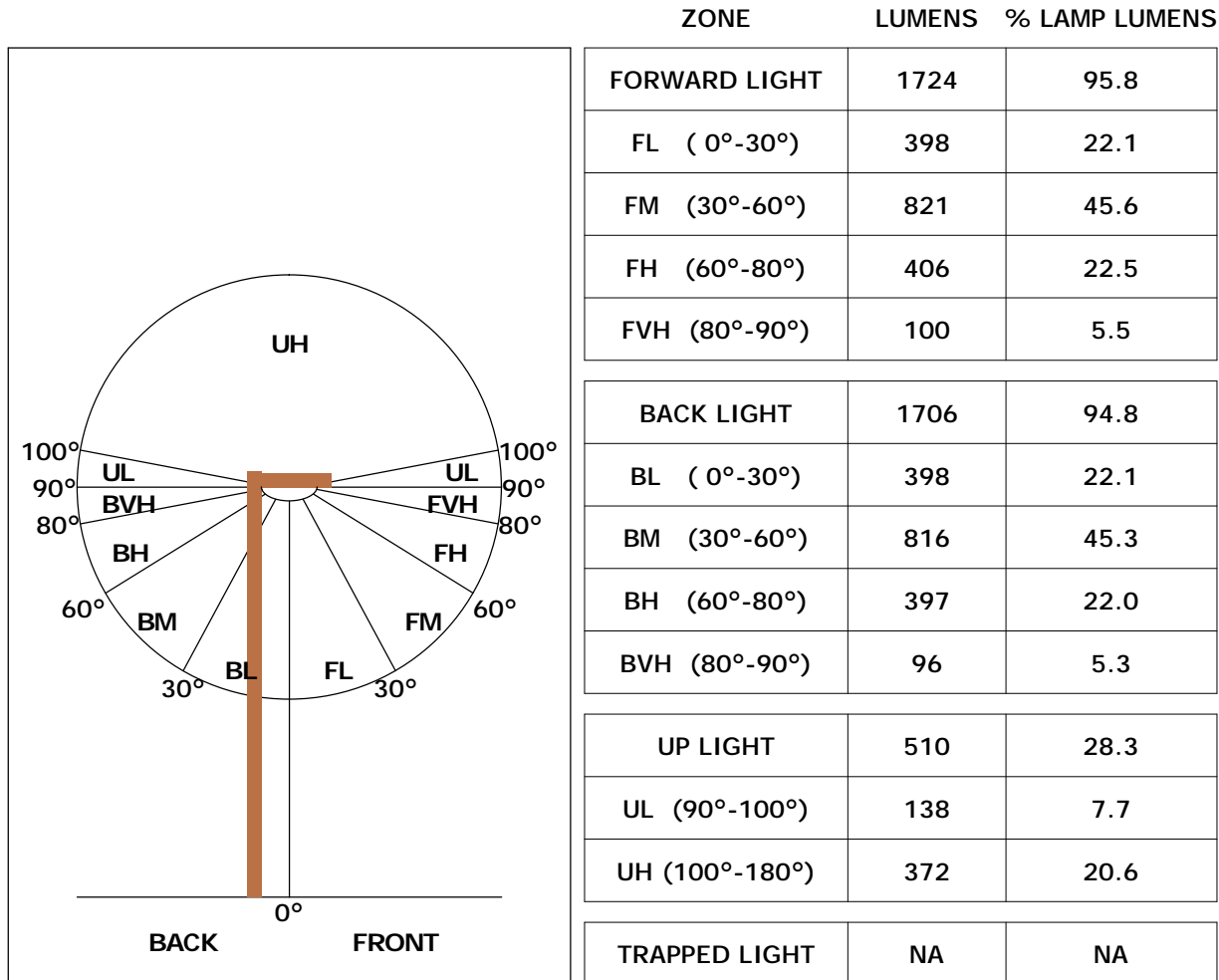
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	12.7	14.1	13.2	14.6	15.3	12.8	14.3	13.4	14.8	15.4
3H	14.9	16.2	15.4	16.7	17.4	15.1	16.4	15.6	16.9	17.6
4H	15.8	17.1	16.4	17.6	18.3	16.0	17.3	16.6	17.9	18.5
6H	16.7	17.8	17.3	18.4	19.1	16.9	18.1	17.5	18.7	19.4
8H	17.1	18.2	17.7	18.8	19.5	17.3	18.4	17.9	19.0	19.7
12H	17.4	18.5	18.0	19.1	19.8	17.7	18.8	18.3	19.4	20.1
X=4H Y=2H	13.3	14.6	13.9	15.2	15.8	13.6	14.8	14.1	15.4	16.0
3H	15.8	16.8	16.4	17.5	18.1	16.1	17.1	16.7	17.7	18.4
4H	16.9	17.9	17.5	18.5	19.2	17.2	18.2	17.8	18.8	19.5
6H	17.9	18.8	18.6	19.4	20.2	18.3	19.1	18.9	19.8	20.5
8H	18.4	19.2	19.0	19.8	20.6	18.7	19.5	19.4	20.2	20.9
12H	18.8	19.6	19.5	20.2	21.0	19.2	19.9	19.9	20.6	21.4
X=8H Y=4H	17.3	18.1	18.0	18.8	19.5	17.7	18.5	18.3	19.1	19.9
6H	18.5	19.2	19.2	19.9	20.7	18.9	19.6	19.6	20.3	21.1
8H	19.1	19.7	19.8	20.4	21.2	19.6	20.2	20.3	20.9	21.6
12H	19.7	20.3	20.4	21.0	21.8	20.2	20.7	20.9	21.4	22.2
X=12H Y=4H	17.4	18.1	18.1	18.8	19.5	17.8	18.5	18.4	19.2	19.9
6H	18.7	19.3	19.4	20.0	20.8	19.1	19.7	19.8	20.4	21.2
8H	19.4	19.9	20.0	20.6	21.4	19.8	20.4	20.5	21.0	21.9

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 U3 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U3 G1

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 = 1.50									
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	1.15	1.33	1.49	1.60	1.76	1.87	1.94	2.05	2.12	
	0.30		0.98	1.15	1.32	1.44	1.61	1.73	1.82	1.94	2.03	
	0.20		0.86	1.02	1.19	1.31	1.49	1.62	1.72	1.85	1.95	
0.50	0.50	0.20	1.09	1.25	1.40	1.50	1.64	1.74	1.81	1.91	1.97	
	0.30		0.94	1.10	1.25	1.36	1.52	1.63	1.71	1.82	1.90	
	0.20		0.83	0.99	1.14	1.25	1.42	1.54	1.63	1.75	1.83	
0.30	0.50	0.20	1.03	1.18	1.31	1.41	1.54	1.63	1.69	1.78	1.84	
	0.30		0.90	1.05	1.19	1.29	1.44	1.54	1.61	1.71	1.78	
	0.20		0.81	0.95	1.10	1.20	1.35	1.46	1.54	1.65	1.73	
0.00	0.00	0.00	0.73	0.86	1.00	1.09	1.23	1.32	1.40	1.49	1.56	
<p>Rating: 34W 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	2.17	1.87	1.60	1.41	1.15	0.97	0.84	0.67	0.55	
	0.30		1.81	1.60	1.40	1.25	1.04	0.89	0.78	0.63	0.52	
	0.20		1.55	1.39	1.24	1.12	0.95	0.82	0.73	0.59	0.50	
0.50	0.50	0.20	2.03	1.75	1.50	1.32	1.07	0.96	0.78	0.62	0.51	
	0.30		1.72	1.51	1.32	1.18	0.98	0.84	0.73	0.59	0.49	
	0.20		1.49	1.34	1.18	1.07	0.90	0.78	0.69	0.56	0.47	
0.30	0.50	0.20	1.92	1.63	1.40	1.23	1.00	0.84	0.73	0.58	0.48	
	0.30		1.64	1.44	1.25	1.12	0.92	0.79	0.69	0.56	0.46	
	0.20		1.43	1.28	1.13	1.02	0.86	0.74	0.65	0.53	0.45	
0.00	0.00	0.00	1.18	1.05	0.91	0.82	0.68	0.59	0.51	0.42	0.35	
<p>Rating: 34W 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	0.64	0.67	0.69	0.70	0.72	0.73	0.74	0.75	0.75	
	0.30		0.49	0.52	0.55	0.57	0.60	0.63	0.65	0.67	0.69	
	0.20		0.38	0.41	0.44	0.47	0.51	0.54	0.57	0.60	0.63	
0.50	0.50	0.20	0.61	0.64	0.66	0.67	0.69	0.70	0.71	0.72	0.72	
	0.30		0.48	0.51	0.53	0.56	0.58	0.61	0.62	0.65	0.66	
	0.20		0.38	0.41	0.43	0.46	0.50	0.53	0.55	0.59	0.61	
0.30	0.50	0.20	0.59	0.62	0.64	0.65	0.66	0.67	0.68	0.69	0.69	
	0.30		0.47	0.50	0.52	0.54	0.57	0.59	0.60	0.63	0.64	
	0.20		0.37	0.40	0.43	0.45	0.49	0.52	0.54	0.57	0.59	
0.00	0.00	0.00	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	0.29	
<p>Rating: 34W 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	996.0	1.0	1.0	0.05	0.05
1.0-2.0	995.8	2.9	3.8	0.16	0.21
2.0-3.0	995.4	4.8	8.6	0.26	0.48
3.0-4.0	994.8	6.7	15.2	0.37	0.85
4.0-5.0	993.9	8.6	23.8	0.48	1.32
5.0-6.0	992.9	10.4	34.2	0.58	1.90
6.0-7.0	991.7	12.3	46.5	0.68	2.59
7.0-8.0	990.3	14.2	60.7	0.79	3.37
8.0-9.0	988.8	16.0	76.7	0.89	4.26
9.0-10.0	987.1	17.9	94.6	0.99	5.26
10.0-11.0	985.2	19.7	114.3	1.09	6.35
11.0-12.0	983.0	21.5	135.8	1.19	7.54
12.0-13.0	980.5	23.3	159.0	1.29	8.84
13.0-14.0	977.8	25.0	184.1	1.39	10.23
14.0-15.0	974.9	26.8	210.8	1.49	11.71
15.0-16.0	971.7	28.5	239.3	1.58	13.30
16.0-17.0	968.2	30.2	269.5	1.68	14.97
17.0-18.0	964.4	31.8	301.3	1.77	16.74
18.0-19.0	960.3	33.4	334.7	1.86	18.59
19.0-20.0	955.7	35.0	369.7	1.94	20.54
20.0-21.0	950.8	36.5	406.2	2.03	22.57
21.0-22.0	945.4	38.0	444.2	2.11	24.68
22.0-23.0	939.6	39.4	483.6	2.19	26.87
23.0-24.0	933.5	40.8	524.4	2.27	29.14
24.0-25.0	927.1	42.2	566.6	2.34	31.48
25.0-26.0	920.4	43.5	610.1	2.41	33.89
26.0-27.0	913.4	44.7	654.8	2.48	36.38
27.0-28.0	905.9	45.9	700.6	2.55	38.92
28.0-29.0	898.1	47.0	747.6	2.61	41.53
29.0-30.0	889.9	48.1	795.7	2.67	44.20
30.0-31.0	881.4	49.1	844.7	2.73	46.93
31.0-32.0	872.6	50.0	894.7	2.78	49.71
32.0-33.0	863.5	50.9	945.6	2.83	52.53
33.0-34.0	854.1	51.7	997.3	2.87	55.41
34.0-35.0	844.4	52.4	1049.8	2.91	58.32
35.0-36.0	834.4	53.1	1102.9	2.95	61.27

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	824.3	53.8	1156.7	2.99	64.26
37.0-38.0	814.0	54.3	1211.0	3.02	67.28
38.0-39.0	803.6	54.9	1265.9	3.05	70.33
39.0-40.0	793.1	55.3	1321.2	3.07	73.40
40.0-41.0	782.5	55.7	1376.9	3.10	76.50
41.0-42.0	771.7	56.1	1433.0	3.12	79.61
42.0-43.0	760.9	56.4	1489.4	3.13	82.74
43.0-44.0	750.1	56.6	1546.0	3.15	85.89
44.0-45.0	739.0	56.8	1602.8	3.16	89.04
45.0-46.0	727.8	56.9	1659.7	3.16	92.21
46.0-47.0	716.3	57.0	1716.7	3.17	95.37
47.0-48.0	704.5	57.0	1773.6	3.16	98.54
48.0-49.0	692.5	56.9	1830.5	3.16	101.70
49.0-50.0	680.3	56.7	1887.2	3.15	104.85
50.0-51.0	667.9	56.5	1943.8	3.14	107.99
51.0-52.0	655.2	56.2	2000.0	3.12	111.11
52.0-53.0	642.4	55.9	2055.9	3.10	114.22
53.0-54.0	629.3	55.5	2111.4	3.08	117.30
54.0-55.0	616.1	55.0	2166.4	3.06	120.35
55.0-56.0	602.8	54.5	2220.8	3.03	123.38
56.0-57.0	589.2	53.9	2274.7	2.99	126.37
57.0-58.0	575.5	53.2	2327.9	2.96	129.33
58.0-59.0	561.8	52.5	2380.5	2.92	132.25
59.0-60.0	548.0	51.8	2432.3	2.88	135.13
60.0-61.0	534.2	51.0	2483.2	2.83	137.96
61.0-62.0	520.1	50.1	2533.4	2.78	140.74
62.0-63.0	506.0	49.2	2582.6	2.73	143.48
63.0-64.0	491.6	48.2	2630.8	2.68	146.16
64.0-65.0	477.2	47.2	2678.1	2.62	148.78
65.0-66.0	462.6	46.2	2724.2	2.56	151.35
66.0-67.0	447.7	45.0	2769.2	2.50	153.85
67.0-68.0	432.7	43.8	2813.1	2.44	156.28
68.0-69.0	417.7	42.6	2855.7	2.37	158.65
69.0-70.0	402.5	41.3	2897.1	2.30	160.95
70.0-71.0	387.4	40.0	2937.1	2.22	163.17
71.0-72.0	372.3	38.7	2975.8	2.15	165.32

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	357.1	37.3	3013.2	2.07	167.40
73.0-74.0	341.9	36.0	3049.1	2.00	169.40
74.0-75.0	326.8	34.5	3083.6	1.92	171.31
75.0-76.0	311.8	33.1	3116.7	1.84	173.15
76.0-77.0	296.8	31.7	3148.4	1.76	174.91
77.0-78.0	282.1	30.2	3178.6	1.68	176.59
78.0-79.0	267.5	28.7	3207.3	1.60	178.19
79.0-80.0	253.2	27.3	3234.6	1.52	179.70
80.0-81.0	239.3	25.9	3260.5	1.44	181.14
81.0-82.0	225.5	24.5	3285.0	1.36	182.50
82.0-83.0	212.1	23.1	3308.0	1.28	183.78
83.0-84.0	198.3	21.6	3329.7	1.20	184.98
84.0-85.0	185.3	20.2	3349.9	1.12	186.10
85.0-86.0	173.9	19.0	3368.9	1.06	187.16
86.0-87.0	161.1	17.6	3386.5	0.98	188.14
87.0-88.0	142.4	15.6	3402.1	0.87	189.01
88.0-89.0	127.5	14.0	3416.1	0.78	189.78
89.0-90.0	127.8	14.0	3430.1	0.78	190.56
90.0-91.0	129.2	14.2	3444.3	0.79	191.35
91.0-92.0	119.8	13.1	3457.4	0.73	192.08
92.0-93.0	112.8	12.4	3469.8	0.69	192.76
93.0-94.0	118.2	12.9	3482.7	0.72	193.48
94.0-95.0	126.6	13.8	3496.6	0.77	194.25
95.0-96.0	130.3	14.2	3510.8	0.79	195.04
96.0-97.0	131.5	14.3	3525.1	0.80	195.84
97.0-98.0	132.4	14.4	3539.5	0.80	196.64
98.0-99.0	133.1	14.4	3553.9	0.80	197.44
99.0-100.0	133.4	14.4	3568.4	0.80	198.24
100.0-101.0	132.9	14.3	3582.7	0.80	199.04
101.0-102.0	132.3	14.2	3596.9	0.79	199.83
102.0-103.0	131.4	14.1	3611.0	0.78	200.61
103.0-104.0	129.9	13.9	3624.8	0.77	201.38
104.0-105.0	128.0	13.6	3638.4	0.75	202.13
105.0-106.0	125.3	13.2	3651.7	0.74	202.87
106.0-107.0	122.5	12.9	3664.5	0.72	203.59
107.0-108.0	119.8	12.5	3677.1	0.70	204.28

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	117.0	12.2	3689.2	0.68	204.96
109.0-110.0	114.9	11.9	3701.1	0.66	205.62
110.0-111.0	112.9	11.6	3712.7	0.64	206.26
111.0-112.0	110.1	11.2	3723.9	0.62	206.89
112.0-113.0	106.7	10.8	3734.8	0.60	207.49
113.0-114.0	103.4	10.4	3745.2	0.58	208.06
114.0-115.0	100.5	10.0	3755.2	0.56	208.62
115.0-116.0	96.6	9.6	3764.7	0.53	209.15
116.0-117.0	91.9	9.0	3773.8	0.50	209.65
117.0-118.0	87.1	8.5	3782.2	0.47	210.12
118.0-119.0	82.2	7.9	3790.2	0.44	210.56
119.0-120.0	78.2	7.5	3797.6	0.41	210.98
120.0-121.0	76.3	7.2	3804.8	0.40	211.38
121.0-122.0	72.8	6.8	3811.6	0.38	211.76
122.0-123.0	68.4	6.3	3818.0	0.35	212.11
123.0-124.0	66.9	6.1	3824.1	0.34	212.45
124.0-125.0	66.3	6.0	3830.1	0.33	212.78
125.0-126.0	65.8	5.9	3835.9	0.33	213.11
126.0-127.0	65.8	5.8	3841.7	0.32	213.43
127.0-128.0	65.8	5.7	3847.5	0.32	213.75
128.0-129.0	65.4	5.6	3853.1	0.31	214.06
129.0-130.0	63.7	5.4	3858.5	0.30	214.36
130.0-131.0	61.8	5.2	3863.6	0.29	214.65
131.0-132.0	61.1	5.0	3868.6	0.28	214.92
132.0-133.0	60.3	4.9	3873.5	0.27	215.20
133.0-134.0	57.8	4.6	3878.1	0.26	215.45
134.0-135.0	54.8	4.3	3882.4	0.24	215.69
135.0-136.0	52.2	4.0	3886.4	0.22	215.91
136.0-137.0	49.7	3.8	3890.2	0.21	216.12
137.0-138.0	47.2	3.5	3893.7	0.19	216.31
138.0-139.0	44.5	3.2	3896.9	0.18	216.49
139.0-140.0	41.8	3.0	3899.9	0.17	216.66
140.0-141.0	39.3	2.7	3902.6	0.15	216.81
141.0-142.0	37.3	2.5	3905.2	0.14	216.95
142.0-143.0	35.8	2.4	3907.5	0.13	217.09
143.0-144.0	33.8	2.2	3909.8	0.12	217.21

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	32.1	2.0	3911.8	0.11	217.32
145.0-146.0	30.9	1.9	3913.7	0.11	217.43
146.0-147.0	29.6	1.8	3915.5	0.10	217.53
147.0-148.0	28.6	1.7	3917.2	0.09	217.62
148.0-149.0	28.1	1.6	3918.8	0.09	217.71
149.0-150.0	27.7	1.5	3920.3	0.09	217.80
150.0-151.0	27.2	1.5	3921.8	0.08	217.88
151.0-152.0	26.8	1.4	3923.2	0.08	217.96
152.0-153.0	26.3	1.3	3924.5	0.07	218.03
153.0-154.0	25.9	1.3	3925.8	0.07	218.10
154.0-155.0	25.9	1.2	3927.0	0.07	218.17
155.0-156.0	25.7	1.2	3928.2	0.07	218.23
156.0-157.0	25.5	1.1	3929.3	0.06	218.30
157.0-158.0	25.4	1.1	3930.4	0.06	218.36
158.0-159.0	25.4	1.0	3931.4	0.06	218.41
159.0-160.0	25.1	1.0	3932.4	0.05	218.47
160.0-161.0	24.6	0.9	3933.3	0.05	218.52
161.0-162.0	24.2	0.8	3934.1	0.05	218.56
162.0-163.0	23.6	0.8	3934.9	0.04	218.61
163.0-164.0	22.9	0.7	3935.6	0.04	218.64
164.0-165.0	22.1	0.6	3936.3	0.04	218.68
165.0-166.0	21.3	0.6	3936.8	0.03	218.71
166.0-167.0	20.4	0.5	3937.4	0.03	218.74
167.0-168.0	19.5	0.5	3937.8	0.03	218.77
168.0-169.0	18.7	0.4	3938.2	0.02	218.79
169.0-170.0	17.8	0.4	3938.6	0.02	218.81
170.0-171.0	16.9	0.3	3938.9	0.02	218.83
171.0-172.0	16.1	0.3	3939.2	0.01	218.84
172.0-173.0	15.3	0.2	3939.4	0.01	218.85
173.0-174.0	14.6	0.2	3939.6	0.01	218.86
174.0-175.0	13.9	0.1	3939.7	0.01	218.87
175.0-176.0	13.3	0.1	3939.8	0.01	218.88
176.0-177.0	12.8	0.1	3939.9	0.00	218.88
177.0-178.0	12.3	0.1	3940.0	0.00	218.89
178.0-179.0	12.0	0.0	3940.0	0.00	218.89
179.0-180.0	11.8	0.0	3940.0	0.00	218.89

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	996.8	996.1	995.8	995.5	996.0	996.4	996.8	996.1	995.8	995.5
G1.0	996.7	996.3	996.4	996.2	996.5	996.7	996.6	995.7	995.1	994.7
G2.0	996.3	996.3	996.6	996.5	996.6	996.8	996.5	995.2	994.3	993.7
G3.0	995.7	996.0	996.6	996.7	996.5	996.8	996.1	994.5	993.3	992.6
G4.0	995.0	995.5	996.3	996.5	996.2	996.5	995.4	993.6	992.0	991.2
G5.0	993.9	994.9	995.8	996.0	995.7	996.0	994.5	992.5	990.3	989.3
G6.0	992.9	994.2	995.1	995.5	995.0	995.3	993.4	991.3	988.7	987.2
G7.0	991.5	993.2	994.2	994.8	994.8	994.3	992.2	989.9	986.9	985.3
G8.0	990.0	991.9	993.1	994.1	994.0	993.0	990.8	988.2	985.0	983.1
G9.0	988.4	990.4	992.1	993.1	993.1	991.5	989.6	986.4	982.8	980.8
G10.0	986.4	988.7	990.9	991.8	991.9	989.7	987.7	984.2	980.3	978.1
G11.0	984.2	986.8	989.5	990.3	990.5	988.3	985.5	981.9	977.5	975.3
G12.0	981.8	984.9	988.0	988.5	988.8	986.4	983.0	979.3	974.5	972.1
G13.0	979.1	982.6	986.2	986.4	986.8	984.0	980.3	976.6	971.4	968.6
G14.0	976.2	980.3	984.2	984.0	984.4	981.6	977.0	973.6	968.1	964.9
G15.0	972.8	977.4	982.0	981.7	981.9	978.8	973.7	970.4	964.6	961.0
G16.0	969.5	974.5	979.5	978.9	979.8	975.9	969.9	966.9	960.7	956.4
G17.0	965.7	971.3	976.9	975.6	977.3	972.6	966.0	963.1	956.6	951.5
G18.0	961.5	968.0	974.2	971.7	974.5	969.2	961.6	958.9	952.2	945.7
G19.0	956.9	964.4	970.9	966.7	971.3	965.5	957.1	954.6	947.2	939.3
G20.0	952.5	960.6	967.3	961.7	967.6	961.4	952.1	950.0	941.7	932.6
G21.0	947.6	956.5	962.8	956.1	963.0	957.7	947.0	945.2	935.5	925.2
G22.0	942.2	952.0	957.9	949.9	957.8	953.4	941.6	939.9	929.0	917.8
G23.0	937.0	947.6	952.4	943.2	952.0	948.7	935.9	934.5	921.8	909.4
G24.0	931.3	942.3	946.7	936.2	945.7	943.8	929.6	928.5	914.8	901.1
G25.0	925.4	937.4	940.3	928.7	939.8	938.5	923.5	922.4	906.9	892.0
G26.0	919.2	932.2	933.7	921.0	933.2	932.9	917.4	916.1	898.9	882.8
G27.0	912.6	926.7	926.5	912.6	925.7	927.2	910.5	909.4	890.1	873.1
G28.0	905.9	920.7	918.9	903.8	918.2	921.2	903.5	902.6	881.5	863.4
G29.0	898.8	914.7	910.9	894.5	909.9	914.4	895.7	895.5	872.1	852.5
G30.0	891.4	908.1	902.2	884.8	901.3	907.7	888.0	887.7	862.7	841.6
G31.0	883.8	901.3	893.6	874.9	892.5	901.1	880.2	879.6	852.5	830.8
G32.0	875.9	894.1	884.3	864.8	882.6	893.9	871.8	871.1	842.2	819.9
G33.0	867.8	886.4	874.8	854.7	873.0	886.2	863.3	862.2	831.6	808.6
G34.0	859.7	878.5	864.5	844.0	863.2	878.1	854.7	852.9	821.0	797.2
G35.0	851.1	870.2	854.7	833.6	853.2	869.6	845.5	843.3	809.5	785.4
G36.0	842.4	860.9	843.9	822.7	842.7	860.7	836.6	833.6	798.5	774.3

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	833.4	852.3	833.5	812.2	832.2	851.4	826.9	823.5	787.3	762.6
G38.0	824.0	842.9	822.6	802.5	821.1	842.0	817.0	813.4	775.9	751.4
G39.0	814.5	833.1	812.0	793.4	810.5	832.1	806.7	802.6	764.0	740.7
G40.0	804.7	823.2	800.5	784.5	799.4	821.9	796.5	791.4	752.3	730.4
G41.0	794.7	812.9	789.9	775.7	788.7	811.5	785.6	780.1	740.5	719.4
G42.0	784.4	802.1	779.5	765.9	777.8	801.1	774.8	768.8	729.3	708.4
G43.0	774.2	791.5	769.7	756.5	768.1	790.1	763.3	756.5	718.3	697.5
G44.0	763.2	780.2	759.7	746.6	758.5	778.7	752.0	744.5	707.2	686.4
G45.0	752.6	768.5	750.3	736.6	749.2	766.9	740.5	731.6	696.1	674.7
G46.0	741.9	756.9	740.0	726.2	739.0	755.4	728.3	719.0	685.0	662.7
G47.0	730.2	744.9	730.0	715.9	728.7	743.0	716.7	705.9	673.7	650.6
G48.0	719.0	732.2	719.3	704.8	718.6	730.2	704.1	693.0	661.4	638.4
G49.0	707.4	719.7	709.0	694.0	708.1	717.2	691.8	678.9	649.3	626.1
G50.0	695.5	706.7	698.2	682.7	696.9	703.9	678.6	665.2	637.7	613.4
G51.0	683.3	693.9	687.4	671.7	686.0	691.1	665.5	651.5	625.0	600.5
G52.0	670.8	680.0	676.1	659.8	674.2	677.5	652.7	637.3	612.4	587.7
G53.0	658.2	667.0	664.9	648.0	663.1	663.7	638.8	623.3	599.6	574.1
G54.0	644.7	652.8	653.2	635.7	651.0	650.0	625.3	608.8	586.8	560.5
G55.0	632.1	639.2	641.3	623.7	639.7	636.2	611.2	594.2	573.0	547.2
G56.0	618.4	625.8	629.5	610.8	627.8	622.0	596.9	579.6	559.8	533.8
G57.0	604.4	611.4	617.7	598.4	615.8	607.7	582.4	565.4	546.2	519.2
G58.0	589.8	597.3	605.0	585.2	603.3	593.5	567.9	551.4	532.6	505.1
G59.0	575.7	584.6	592.5	572.1	590.6	580.6	552.6	537.3	518.0	490.4
G60.0	561.3	571.5	580.2	558.7	577.6	566.7	537.7	523.8	504.2	476.3
G61.0	546.7	558.0	567.5	544.9	564.8	553.8	522.0	508.7	490.2	461.7
G62.0	532.0	545.2	554.2	531.6	551.2	540.4	506.9	494.4	475.4	446.9
G63.0	517.4	531.9	541.2	517.8	538.1	527.1	491.3	479.1	460.7	432.0
G64.0	503.0	517.9	527.1	503.4	523.4	513.0	476.2	464.8	446.0	417.1
G65.0	488.4	504.6	513.5	488.8	510.5	499.1	460.1	449.6	431.6	402.0
G66.0	473.1	490.6	499.7	474.1	495.9	484.9	444.4	434.5	416.9	386.4
G67.0	457.1	476.1	485.9	459.7	482.1	470.9	427.5	418.4	402.0	371.7
G68.0	441.6	462.1	471.3	444.8	467.3	456.4	411.5	403.3	386.8	356.0
G69.0	425.6	447.9	457.2	430.2	453.1	441.8	394.7	387.6	372.2	340.6
G70.0	410.2	433.5	442.9	415.0	438.0	427.0	378.1	371.8	357.1	325.0
G71.0	394.4	419.1	428.1	399.9	423.7	412.0	361.4	356.8	342.5	309.9
G72.0	379.2	404.8	413.5	384.8	408.3	397.0	345.1	341.8	327.2	294.5
G73.0	363.0	389.6	398.2	369.4	393.8	382.4	328.8	326.7	312.2	279.1

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	347.1	375.2	383.9	354.0	378.3	367.8	311.9	311.4	297.6	264.0
G75.0	330.2	360.3	368.2	338.5	363.4	352.7	295.5	297.1	283.2	249.4
G76.0	315.5	345.9	353.6	323.0	348.6	337.5	279.2	281.8	268.4	234.5
G77.0	299.0	330.5	338.6	307.5	333.5	323.0	263.2	268.2	254.3	220.0
G78.0	283.3	316.5	323.3	292.1	318.5	308.1	247.6	253.9	240.6	206.5
G79.0	267.5	301.6	308.4	276.9	302.9	292.9	232.3	240.6	227.6	193.2
G80.0	251.8	287.2	293.6	261.4	288.4	278.4	217.5	227.3	214.9	180.6
G81.0	236.9	272.9	278.9	246.4	273.4	264.4	203.6	212.6	203.3	169.3
G82.0	222.7	258.8	264.6	232.1	259.6	250.2	190.1	197.1	191.9	158.2
G83.0	207.9	244.5	250.2	217.4	244.7	235.2	178.0	184.7	180.9	148.4
G84.0	194.6	229.3	236.7	203.6	231.7	220.3	166.3	175.1	163.6	126.9
G85.0	181.3	214.0	223.6	190.0	219.1	206.0	156.7	166.0	153.5	119.4
G86.0	169.4	199.4	210.9	177.2	206.4	193.7	148.3	155.6	142.5	113.8
G87.0	158.8	187.5	198.8	165.4	193.8	183.2	141.9	137.6	109.8	90.2
G88.0	149.5	177.5	183.6	153.4	177.9	173.3	128.4	91.4	77.2	55.8
G89.0	141.6	167.6	167.1	134.0	164.8	164.0	80.4	101.5	108.8	96.6
G90.0	135.9	158.1	157.9	125.6	155.2	153.3	111.1	132.3	121.3	107.3
G91.0	93.9	143.1	147.3	119.2	139.8	114.9	134.5	138.9	128.2	106.9
G92.0	66.9	95.4	119.9	104.6	98.4	92.3	133.8	140.5	132.3	106.4
G93.0	124.4	85.1	81.9	67.8	91.3	119.8	133.3	141.4	134.5	106.0
G94.0	129.8	123.8	106.9	91.2	117.0	122.2	132.7	142.5	138.7	108.8
G95.0	129.1	134.3	119.4	109.6	124.5	133.7	132.2	143.3	140.3	113.1
G96.0	128.6	136.7	126.7	108.8	129.6	136.3	131.6	143.1	142.0	108.9
G97.0	128.1	138.3	130.8	108.0	132.1	138.4	131.0	144.1	142.2	112.5
G98.0	127.5	139.9	133.2	107.3	134.5	140.5	129.0	145.0	141.4	111.3
G99.0	127.0	141.2	137.1	112.6	137.2	141.7	128.4	145.6	138.3	110.7
G100.0	126.5	141.9	138.2	113.1	141.2	142.1	126.8	139.4	138.0	109.7
G101.0	125.9	142.4	139.7	112.6	142.3	142.4	121.8	133.4	138.8	108.1
G102.0	125.3	143.0	140.8	112.3	142.4	142.9	115.4	131.2	139.6	107.7
G103.0	124.7	144.2	140.7	111.5	142.3	141.4	107.2	131.0	138.0	107.6
G104.0	124.1	144.4	140.5	110.9	142.1	141.1	112.1	129.7	123.7	107.8
G105.0	123.5	144.0	140.1	110.3	141.7	142.8	111.7	125.2	111.5	107.1
G106.0	118.5	143.6	139.7	109.8	141.1	144.4	113.3	124.1	106.7	104.7
G107.0	117.5	143.1	139.0	109.2	140.3	144.0	112.6	122.1	93.8	102.5
G108.0	116.7	142.5	137.8	108.6	129.3	143.1	113.4	120.4	84.5	101.4
G109.0	115.9	141.8	120.5	108.0	120.4	136.4	112.9	127.8	80.6	101.0
G110.0	115.3	140.6	114.9	107.4	116.3	126.2	113.1	128.0	88.3	99.8

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 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	114.4	129.5	111.0	106.7	113.1	118.5	112.5	126.7	92.7	98.9
G112.0	113.7	124.6	108.8	106.0	108.1	115.7	111.5	123.3	79.9	97.8
G113.0	112.8	121.1	103.4	104.8	103.1	115.4	111.4	121.0	71.1	95.2
G114.0	111.9	117.9	98.0	103.2	112.7	112.1	112.3	107.5	67.6	91.1
G115.0	111.1	115.3	108.3	102.3	118.9	109.5	111.0	89.0	63.9	73.4
G116.0	110.1	111.9	116.9	101.6	116.0	105.9	108.3	82.9	61.5	48.5
G117.0	109.2	107.9	113.5	100.8	113.1	93.8	104.7	80.7	58.6	48.0
G118.0	108.2	106.7	111.2	100.3	110.0	78.1	84.9	78.3	55.7	47.5
G119.0	106.0	87.7	108.2	100.0	105.5	75.0	66.0	75.2	52.9	47.0
G120.0	102.7	79.9	105.1	99.0	94.8	72.3	64.9	72.3	58.0	46.5
G121.0	98.3	76.6	100.3	98.0	74.6	69.5	63.7	69.8	72.6	45.8
G122.0	64.6	73.2	80.2	95.7	66.1	66.6	62.3	67.1	77.4	44.9
G123.0	55.0	69.9	66.3	92.9	62.5	65.7	60.8	68.9	76.9	44.4
G124.0	53.9	66.7	62.9	87.0	59.3	66.5	59.3	82.3	75.6	55.4
G125.0	52.8	63.3	60.7	68.7	57.3	67.2	57.5	83.2	74.0	68.3
G126.0	51.5	60.0	59.2	53.5	55.6	80.4	55.7	81.0	73.2	74.7
G127.0	50.3	58.4	57.6	52.1	53.8	80.7	59.9	78.6	70.6	73.1
G128.0	48.8	76.6	55.9	50.9	52.0	80.4	66.0	75.1	69.7	70.8
G129.0	47.1	79.5	54.0	49.6	50.1	78.1	73.6	70.6	66.6	68.9
G130.0	45.4	78.2	52.2	48.1	48.9	75.3	73.6	64.1	63.4	68.8
G131.0	49.8	75.9	50.8	46.5	49.9	72.3	70.4	59.6	60.4	68.1
G132.0	61.8	73.5	61.8	44.6	52.5	69.7	66.9	55.1	57.3	67.6
G133.0	69.8	71.2	67.2	42.7	53.6	63.4	61.7	51.0	54.9	62.4
G134.0	68.9	67.2	65.6	40.8	52.0	58.9	56.7	46.8	52.5	55.8
G135.0	65.8	63.2	62.0	42.2	50.4	54.7	56.6	43.2	49.6	51.0
G136.0	62.8	60.1	58.0	49.4	48.9	50.4	50.6	40.1	47.1	47.9
G137.0	61.0	56.3	55.0	54.2	47.2	46.8	44.8	37.3	44.9	43.3
G138.0	58.9	53.3	52.3	53.1	47.4	43.2	39.6	36.2	43.2	36.2
G139.0	53.2	50.9	49.9	50.7	48.6	40.0	34.4	35.2	42.3	28.3
G140.0	47.4	48.1	46.9	48.0	46.2	38.7	28.3	34.4	41.8	26.1
G141.0	44.4	45.9	43.9	46.3	43.8	38.1	19.7	33.7	39.5	24.0
G142.0	40.8	44.7	40.8	43.7	42.7	37.3	18.4	33.4	37.4	22.4
G143.0	37.4	43.1	38.8	40.0	41.3	36.8	18.1	32.6	34.3	22.1
G144.0	21.5	41.9	37.4	37.2	39.4	35.9	18.2	31.8	32.8	22.0
G145.0	21.1	40.5	36.5	33.6	37.2	35.0	18.2	31.1	30.2	21.8
G146.0	21.4	39.6	35.7	30.2	35.7	34.3	18.1	30.6	25.6	21.7
G147.0	21.2	38.0	34.9	24.7	34.1	33.5	18.1	30.6	25.0	21.2

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	21.0	36.3	34.0	21.2	34.0	32.4	18.1	31.2	24.8	21.0
G149.0	20.5	34.6	33.3	21.3	33.3	31.4	18.0	31.2	23.5	28.6
G150.0	18.8	33.0	32.7	21.0	32.4	30.6	17.8	30.5	22.3	28.1
G151.0	17.9	31.5	32.2	20.7	31.0	30.0	20.9	29.6	21.8	27.6
G152.0	17.4	30.0	31.6	20.3	29.6	29.5	25.2	28.9	21.6	27.5
G153.0	17.2	28.6	31.2	19.1	28.3	29.0	24.8	28.3	22.1	27.2
G154.0	18.2	27.5	31.1	18.5	27.1	28.6	24.4	28.1	23.7	28.7
G155.0	22.6	26.8	31.1	18.1	25.9	28.2	24.4	27.7	24.4	28.0
G156.0	23.0	25.5	30.4	17.8	24.9	27.9	24.1	27.4	24.8	27.4
G157.0	24.1	24.3	29.4	17.6	24.0	27.6	25.0	27.0	25.4	26.6
G158.0	25.3	23.8	28.5	21.3	23.2	27.8	24.4	26.6	25.1	26.0
G159.0	26.8	24.1	27.6	20.7	22.1	28.3	23.7	26.2	24.7	26.7
G160.0	26.4	24.4	26.7	21.1	21.1	28.3	23.1	25.1	24.2	25.6
G161.0	26.4	24.4	26.1	21.1	20.8	27.8	23.9	24.0	23.7	24.6
G162.0	25.9	24.4	25.7	22.0	21.0	26.7	22.9	23.0	23.1	23.5
G163.0	25.3	23.8	25.3	21.5	21.0	25.7	22.1	22.0	22.4	22.5
G164.0	25.0	23.0	24.9	21.3	20.9	24.6	21.3	21.0	21.6	21.4
G165.0	24.1	21.6	24.5	21.1	20.7	23.5	20.5	20.0	20.8	20.4
G166.0	23.2	20.5	23.5	21.6	20.0	22.5	19.6	19.1	19.9	19.4
G167.0	22.0	19.9	22.4	20.8	19.5	21.4	18.7	18.2	19.0	18.3
G168.0	21.0	19.5	21.4	19.9	18.9	20.5	17.9	17.3	17.8	17.3
G169.0	20.1	18.7	20.5	19.1	18.2	19.4	17.1	16.5	16.8	16.4
G170.0	19.3	18.0	19.5	18.3	17.3	18.4	16.3	15.7	15.8	15.5
G171.0	18.4	17.4	18.4	17.5	16.5	17.4	15.6	15.0	14.8	14.6
G172.0	17.5	16.9	17.5	16.8	15.9	16.6	14.9	14.2	13.9	13.9
G173.0	16.6	16.4	16.6	16.0	15.1	15.7	14.2	13.5	13.2	13.2
G174.0	15.9	15.9	15.8	15.3	14.5	14.9	13.5	12.9	12.5	12.6
G175.0	15.1	15.3	14.9	14.5	13.9	14.1	12.9	12.3	12.0	12.1
G176.0	14.4	14.6	14.1	13.9	13.3	13.4	12.4	11.9	11.5	11.8
G177.0	13.7	13.8	13.4	13.2	12.7	12.7	11.9	11.5	11.3	11.5
G178.0	13.1	13.1	12.7	12.7	12.2	12.2	11.6	11.4	11.2	11.5
G179.0	12.4	12.4	12.1	12.2	11.8	11.7	11.6	11.4	11.3	11.6
G180.0	11.9	11.9	11.6	11.8	11.6	11.6	11.9	11.8	11.6	11.8

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 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	996.0	996.4	996.8							
G1.0	995.2	995.3	996.7							
G2.0	994.3	994.8	996.3							
G3.0	993.1	994.0	995.7							
G4.0	991.7	992.9	995.0							
G5.0	990.2	991.8	993.9							
G6.0	988.6	990.5	992.9							
G7.0	986.4	989.1	991.5							
G8.0	984.7	987.5	990.0							
G9.0	982.9	985.7	988.4							
G10.0	980.7	983.8	986.4							
G11.0	978.3	981.6	984.2							
G12.0	975.6	978.7	981.8							
G13.0	972.6	976.2	979.1							
G14.0	969.3	973.4	976.2							
G15.0	965.8	970.3	972.8							
G16.0	961.9	966.8	969.5							
G17.0	957.7	962.9	965.7							
G18.0	953.4	958.8	961.5							
G19.0	948.6	954.5	956.9							
G20.0	943.1	949.7	952.5							
G21.0	937.2	944.7	947.6							
G22.0	930.4	939.4	942.2							
G23.0	923.6	933.6	937.0							
G24.0	916.6	928.1	931.3							
G25.0	909.0	922.1	925.4							
G26.0	901.1	915.8	919.2							
G27.0	892.7	909.3	912.6							
G28.0	884.0	902.4	905.9							
G29.0	874.9	895.1	898.8							
G30.0	865.4	887.4	891.4							
G31.0	855.6	879.8	883.8							
G32.0	845.7	871.4	875.9							
G33.0	834.8	862.8	867.8							
G34.0	824.0	854.1	859.7							
G35.0	812.9	844.7	851.1							
G36.0	801.6	835.0	842.4							

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	789.8	825.3	833.4							
G38.0	778.5	815.0	824.0							
G39.0	767.2	804.4	814.5							
G40.0	755.2	794.0	804.7							
G41.0	743.2	782.8	794.7							
G42.0	732.1	771.5	784.4							
G43.0	720.6	760.1	774.2							
G44.0	709.7	748.3	763.2							
G45.0	698.4	736.2	752.6							
G46.0	687.4	723.8	741.9							
G47.0	675.9	710.8	730.2							
G48.0	663.8	697.7	719.0							
G49.0	651.9	684.0	707.4							
G50.0	639.9	670.7	695.5							
G51.0	627.0	656.4	683.3							
G52.0	614.8	642.4	670.8							
G53.0	602.0	628.6	658.2							
G54.0	589.3	614.4	644.7							
G55.0	576.2	599.9	632.1							
G56.0	563.1	585.6	618.4							
G57.0	549.0	571.0	604.4							
G58.0	535.7	556.8	589.8							
G59.0	521.9	542.3	575.7							
G60.0	507.9	528.5	561.3							
G61.0	494.2	513.6	546.7							
G62.0	479.5	498.9	532.0							
G63.0	465.6	484.6	517.4							
G64.0	451.0	469.7	503.0							
G65.0	436.9	455.5	488.4							
G66.0	421.9	439.6	473.1							
G67.0	407.4	424.6	457.1							
G68.0	392.6	408.8	441.6							
G69.0	377.7	393.4	425.6							
G70.0	362.8	377.8	410.2							
G71.0	348.1	362.5	394.4							
G72.0	333.1	346.9	379.2							
G73.0	318.4	332.3	363.0							

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 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	303.9	317.5	347.1							
G75.0	289.2	303.3	330.2							
G76.0	274.7	288.5	315.5							
G77.0	260.5	274.2	299.0							
G78.0	246.8	260.0	283.3							
G79.0	233.1	246.5	267.5							
G80.0	220.6	232.5	251.8							
G81.0	208.4	217.8	236.9							
G82.0	197.0	201.8	222.7							
G83.0	185.9	187.9	207.9							
G84.0	169.3	177.1	194.6							
G85.0	154.7	167.9	181.3							
G86.0	145.8	158.8	169.4							
G87.0	127.8	149.6	158.8							
G88.0	77.4	126.9	149.5							
G89.0	86.0	75.2	141.6							
G90.0	115.2	107.6	135.9							
G91.0	122.8	130.9	93.9							
G92.0	128.0	135.3	66.9							
G93.0	131.1	136.5	124.4							
G94.0	133.0	137.4	129.8							
G95.0	137.4	138.3	129.1							
G96.0	139.3	139.3	128.6							
G97.0	140.3	140.1	128.1							
G98.0	141.4	140.6	127.5							
G99.0	141.2	140.9	127.0							
G100.0	141.0	142.0	126.5							
G101.0	140.6	142.7	125.9							
G102.0	140.1	143.0	125.3							
G103.0	139.4	142.3	124.7							
G104.0	138.5	133.6	124.1							
G105.0	136.0	128.6	123.5							
G106.0	113.5	125.1	118.5							
G107.0	108.3	122.3	117.5							
G108.0	104.3	119.6	116.7							
G109.0	100.4	121.5	115.9							
G110.0	96.2	125.1	115.3							

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	91.2	123.4	114.4							
G112.0	93.1	121.3	113.7							
G113.0	78.6	118.6	112.8							
G114.0	75.3	115.3	111.9							
G115.0	72.0	111.6	111.1							
G116.0	69.0	100.1	110.1							
G117.0	66.2	76.4	109.2							
G118.0	63.3	73.4	108.2							
G119.0	60.4	70.3	106.0							
G120.0	59.5	67.6	102.7							
G121.0	74.1	65.3	98.3							
G122.0	78.1	63.2	64.6							
G123.0	77.7	61.0	55.0							
G124.0	76.7	58.8	53.9							
G125.0	75.3	59.2	52.8							
G126.0	75.5	71.1	51.5							
G127.0	73.8	78.6	50.3							
G128.0	68.0	77.1	48.8							
G129.0	64.5	74.8	47.1							
G130.0	61.2	72.4	45.4							
G131.0	57.9	70.7	49.8							
G132.0	54.7	68.1	61.8							
G133.0	51.9	64.0	69.8							
G134.0	49.5	59.7	68.9							
G135.0	47.1	55.5	65.8							
G136.0	44.2	51.7	62.8							
G137.0	42.2	48.8	61.0							
G138.0	40.6	46.0	58.9							
G139.0	39.2	44.3	53.2							
G140.0	38.0	42.5	47.4							
G141.0	36.9	41.4	44.4							
G142.0	35.8	40.8	40.8							
G143.0	35.1	40.2	37.4							
G144.0	34.6	39.4	21.5							
G145.0	34.3	38.2	21.1							
G146.0	33.4	36.3	21.4							
G147.0	33.0	34.3	21.2							

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	32.2	31.8	21.0							
G149.0	32.0	29.4	20.5							
G150.0	32.1	29.4	18.8							
G151.0	32.6	27.8	17.9							
G152.0	32.6	25.2	17.4							
G153.0	32.6	23.0	17.2							
G154.0	32.8	22.4	18.2							
G155.0	32.8	21.3	22.6							
G156.0	32.7	20.8	23.0							
G157.0	32.2	21.1	24.1							
G158.0	31.0	22.2	25.3							
G159.0	30.0	22.9	26.8							
G160.0	28.5	22.8	26.4							
G161.0	27.1	23.2	26.4							
G162.0	25.8	23.0	25.9							
G163.0	24.5	22.5	25.3							
G164.0	23.2	22.0	25.0							
G165.0	22.0	21.3	24.1							
G166.0	20.7	20.5	23.2							
G167.0	19.6	19.7	22.0							
G168.0	18.4	19.1	21.0							
G169.0	17.4	18.4	20.1							
G170.0	16.4	17.5	19.3							
G171.0	15.4	16.6	18.4							
G172.0	14.5	15.7	17.5							
G173.0	13.8	14.9	16.6							
G174.0	13.1	14.2	15.9							
G175.0	12.6	13.6	15.1							
G176.0	12.1	13.0	14.4							
G177.0	11.8	12.5	13.7							
G178.0	11.6	12.1	13.1							
G179.0	11.5	11.7	12.4							
G180.0	11.6	11.6	11.9							

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: