

Report No.: 2021

Test Time: 2021-08-20 16:12

Luminaire Property

Luminaire Manufacturer:
Luminaire Category: NB

Lamp Catalog: 3000k
Luminous Length (mm): 1200
Luminous Height (mm): 85
Current: 0.511 A
Power Factor: 0.994

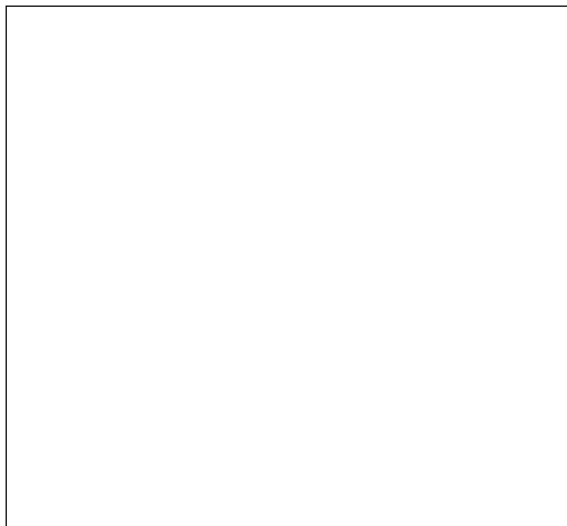
Number of Lamps: 1
Luminous Width (mm): 150
Voltage: 119.7 V
Power: 60.82 W

Photometric Results

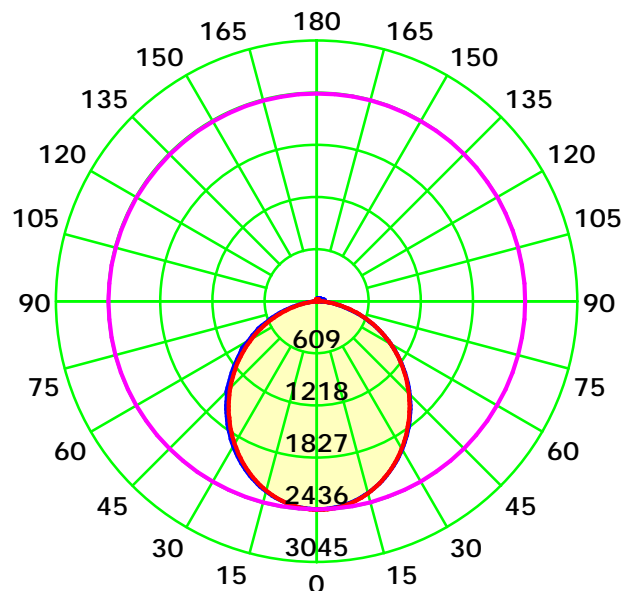
CIE Class: Direct
Measurement Flux: 6578.9 lm
Downward Ratio: 98%
Field Angle: H159.0 V157.9
Luminaire Efficacy Rating (LER): 108
Max. Intensity: 2436.02 cd

Total Rated Lamp Lumens: 6578.9 lm
Efficiency: 100%
Upward Ratio: 2%
Beam Angle: H106.5 V104.7
Central Intensity: 2428.86 cd
Pos of Max. Intensity: H120 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



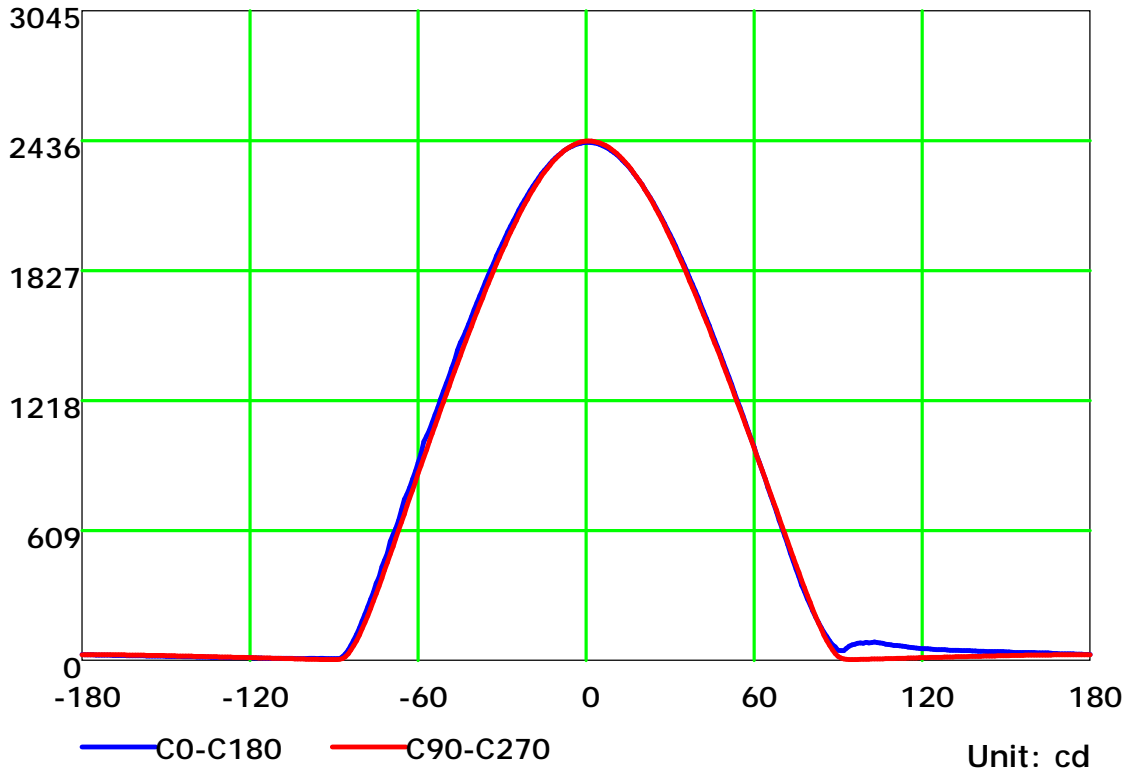
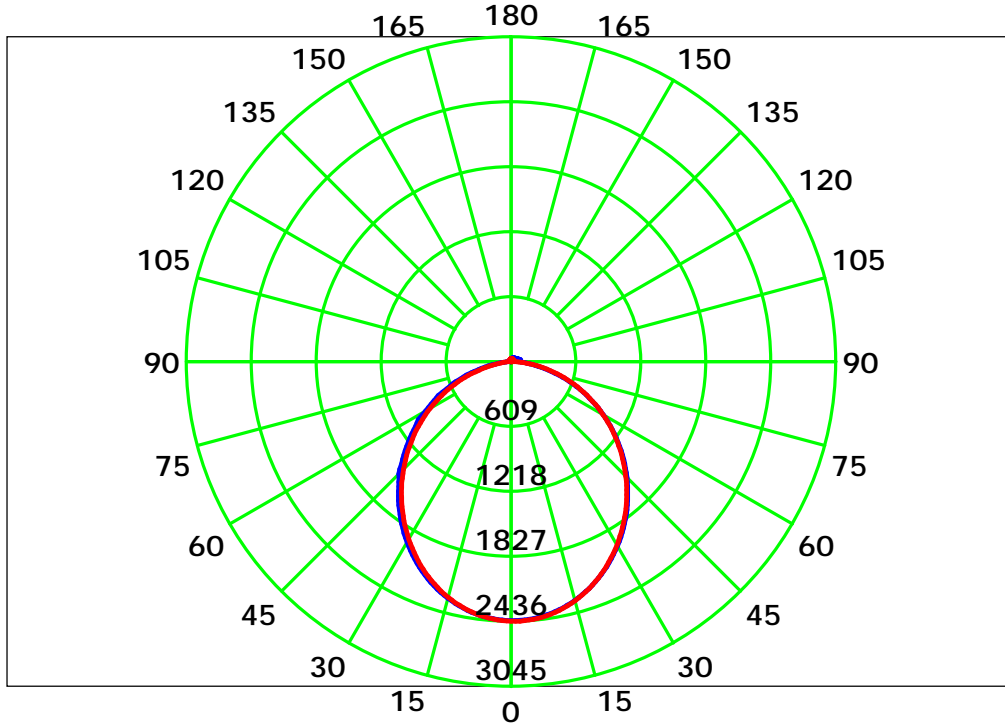
Unit: cd
Average Diffuse Angle(50%): 105.6°

— C0-C180 — C90-C270 — G1

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
Inspector:

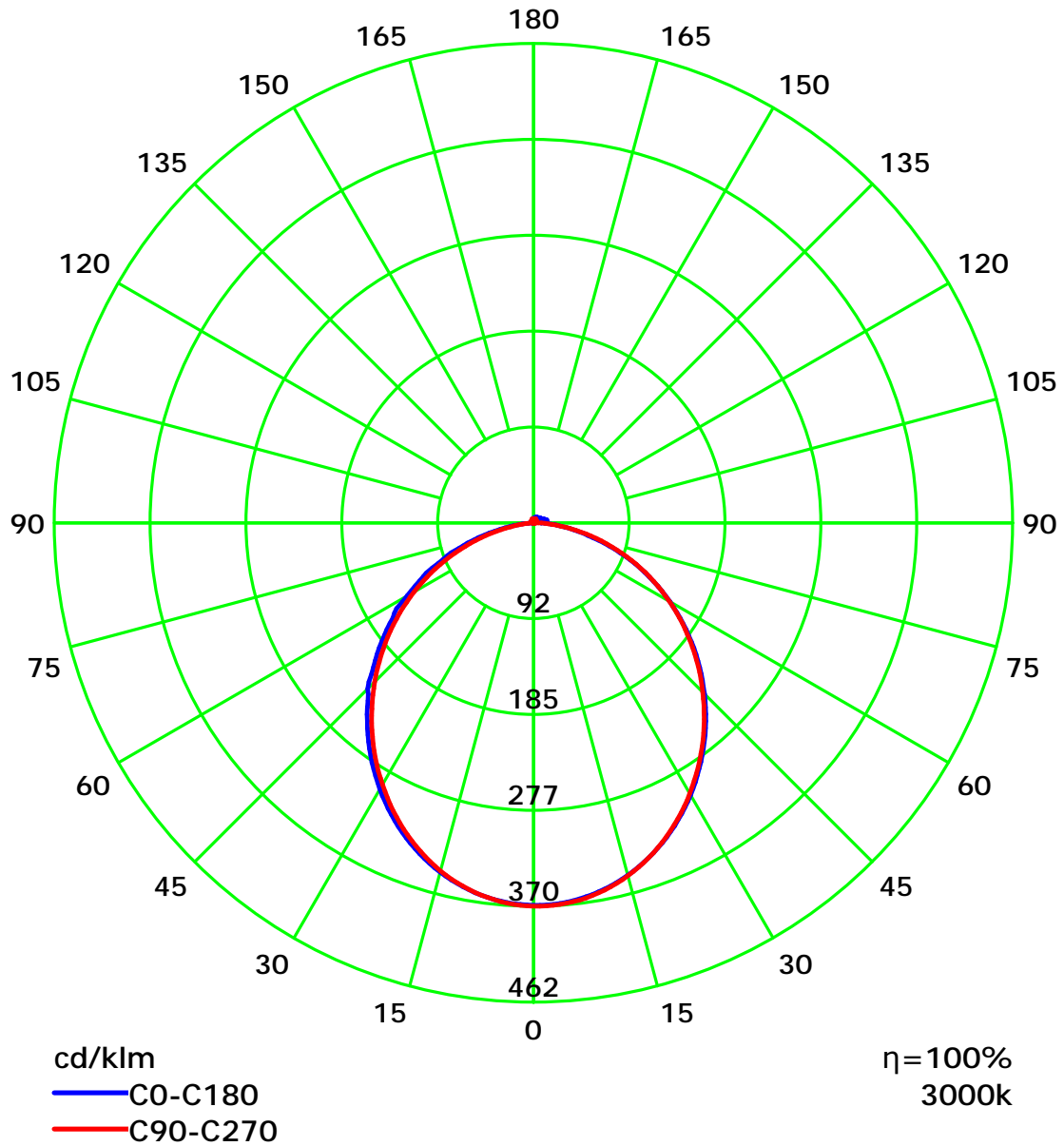
Luminous Intensity Distribution Curve



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 Humidity: 88
 Inspector:

Luminous Intensity Distribution Curve(cd/klm)



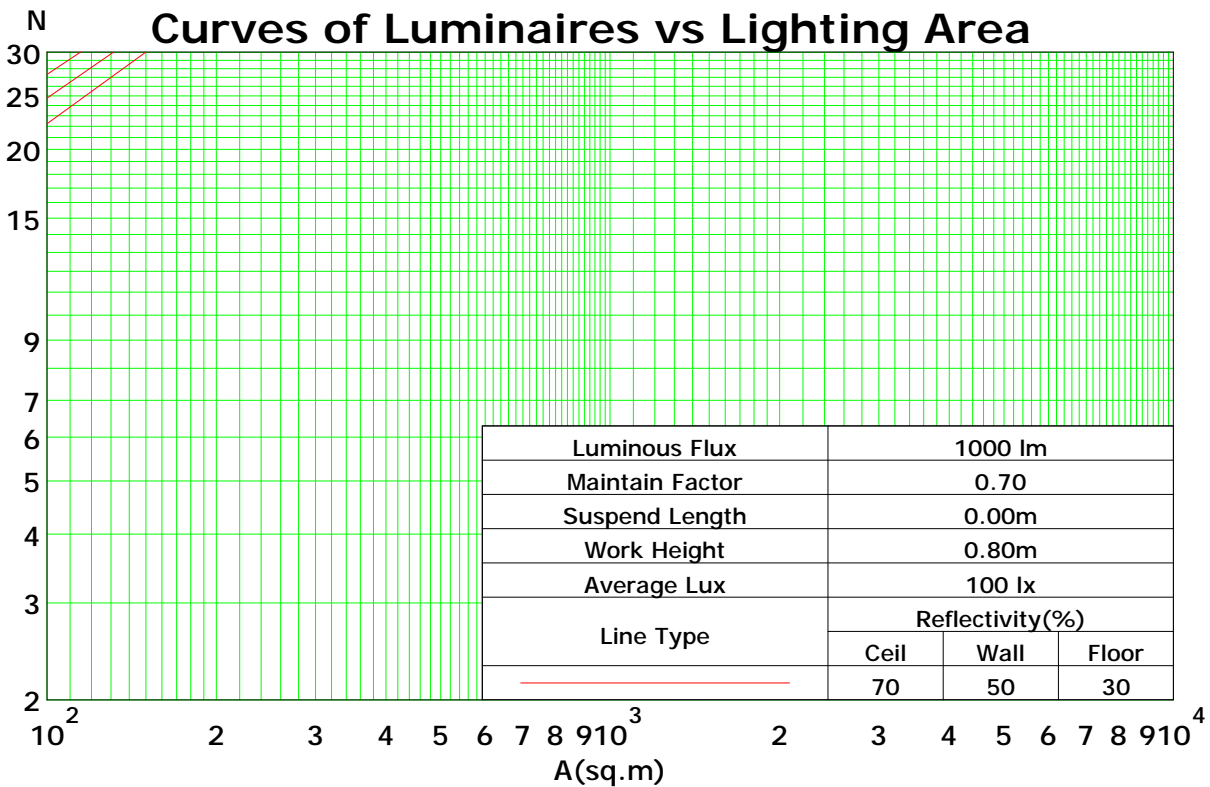
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Coefficients Of Utilization - Zonal Cavity Method

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	118	118	118	118	115	115	115	115	110	110	110	105	105	105	100	100	100	98
1	108	104	100	96	106	101	98	94	97	94	91	92	90	87	88	86	84	82
2	99	91	84	78	96	89	82	77	85	80	75	81	77	73	78	74	71	69
3	90	80	72	65	87	78	71	65	75	68	63	72	66	62	69	64	60	58
4	83	71	62	56	80	69	61	55	67	60	54	64	58	53	61	56	52	50
5	76	63	54	48	74	62	54	48	60	52	47	57	51	46	55	50	45	43
6	70	57	48	42	68	56	48	42	54	47	41	52	46	41	50	45	40	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	46	40	36	34
8	61	47	39	33	59	47	38	33	45	38	33	44	37	32	42	36	32	30
9	57	43	35	30	55	43	35	30	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	40	32	27	38	31	27	37	31	26	36	30	26	25

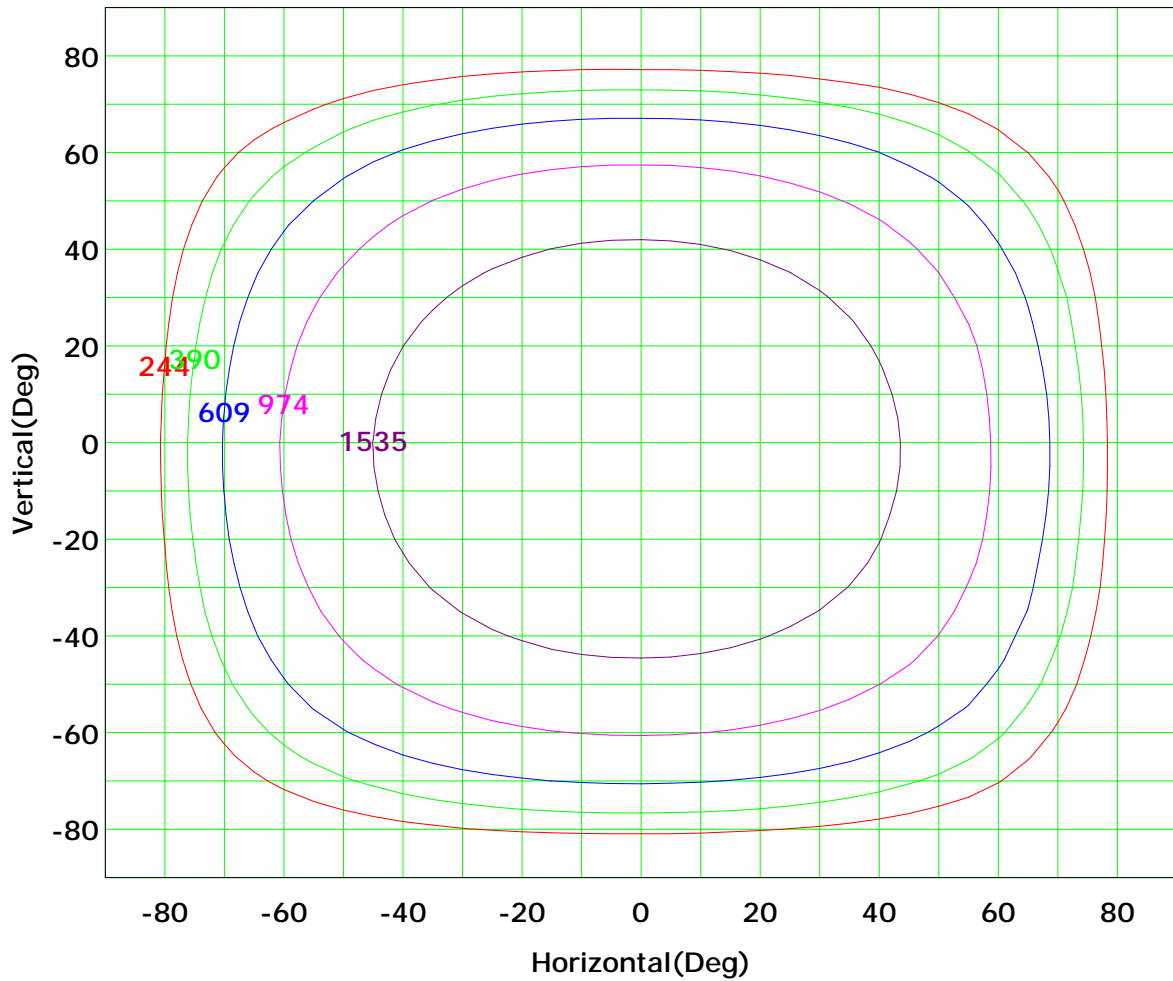
Spacing Criteria (0-180): 1.21
 Spacing Criteria (90-270): 1.20
 Spacing Criteria (Diagonal): 1.32



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 Test Device: GPM-1600L
 Distance: 8.580 m
 Humidity: 88
 Inspector:

Isocandela (rectangle)



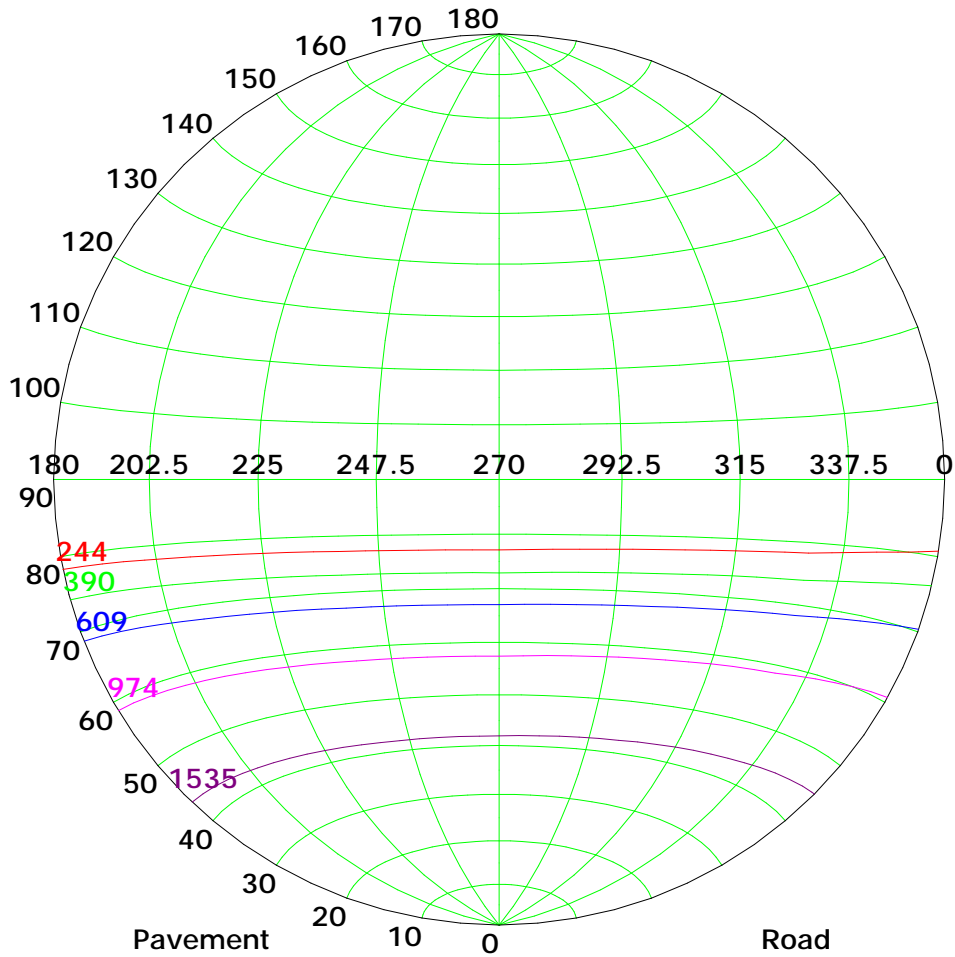
Imax (100%): 2436 cd

— (10%): 244 cd	— (16%): 390 cd
— (25%): 609 cd	— (40%): 974 cd
— (63%): 1535 cd	— (100%): 2436 cd

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 Test Lab: BRANDON
 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.580 m
 Humidity: 88
 Inspector:

Isocandela (sphere)



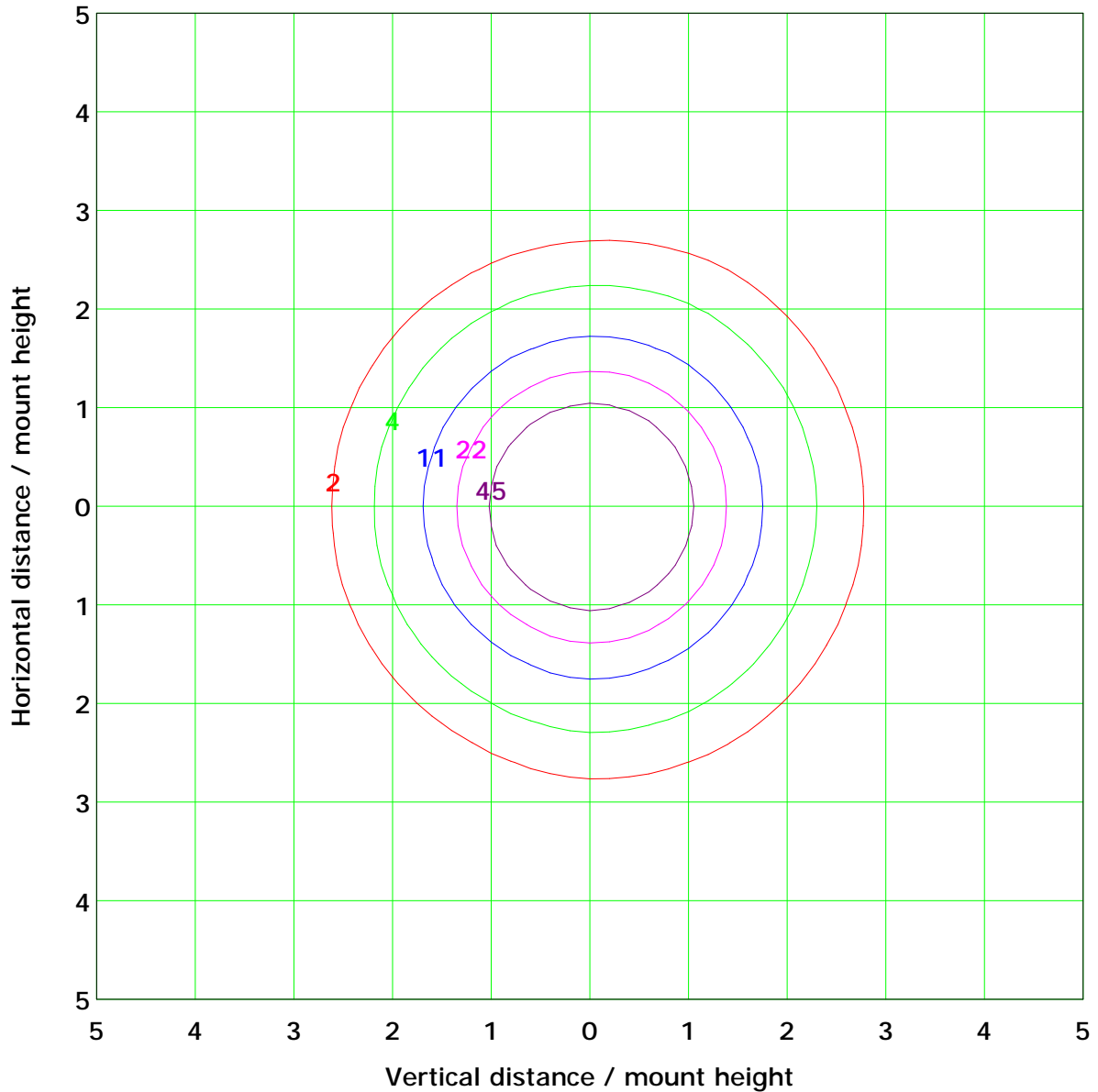
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 Test Device: GPM-1600L
 Distance: 8.580 m
 Humidity: 88
 Inspector:

IsoLux Plot



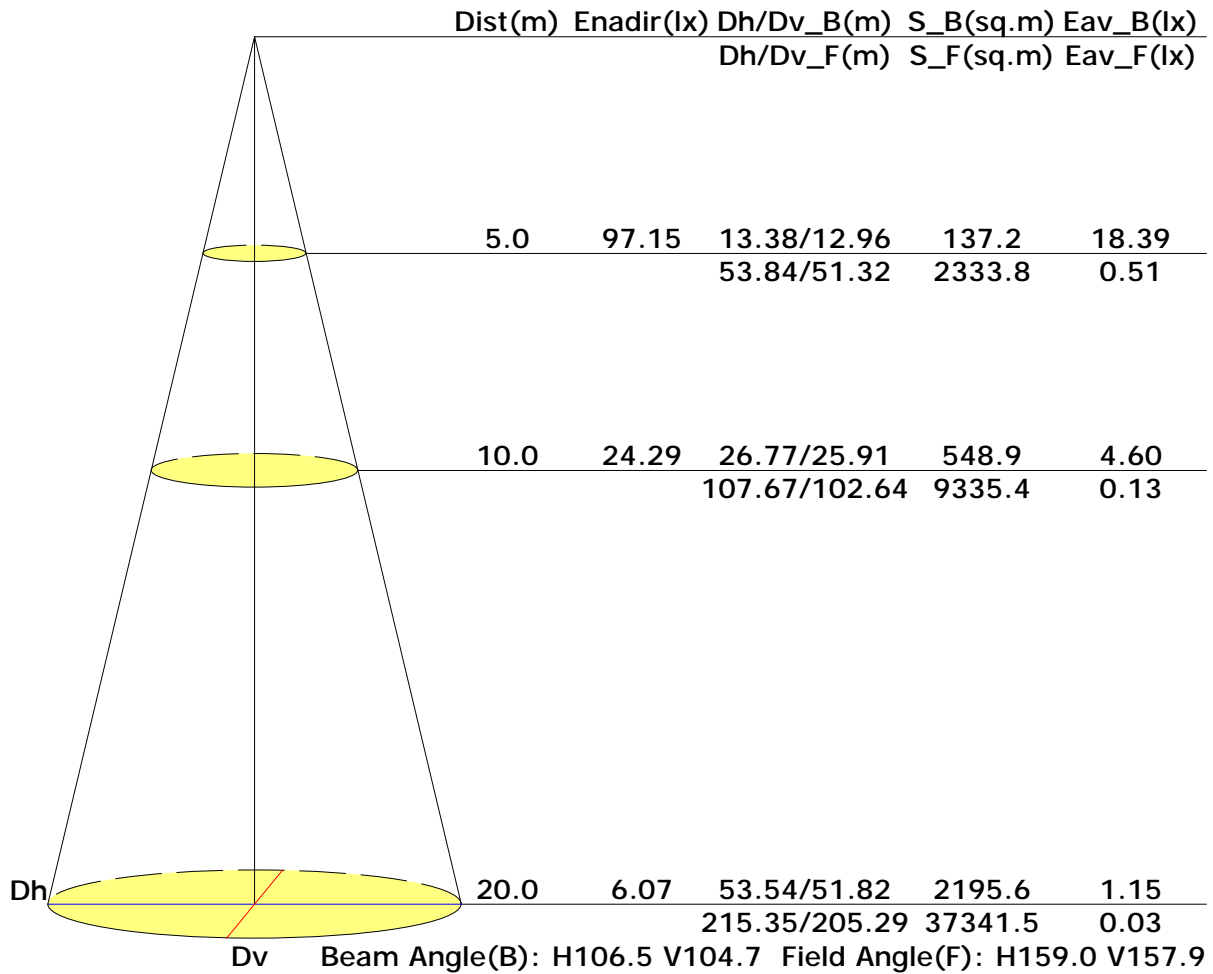
Mounting Height: 3.3m Max Lux(100%): 223.7 lx

— (1%): 2.2 lx	— (2%): 4.5 lx
— (5%): 11.2 lx	— (10%): 22.4 lx
— (20%): 44.7 lx	

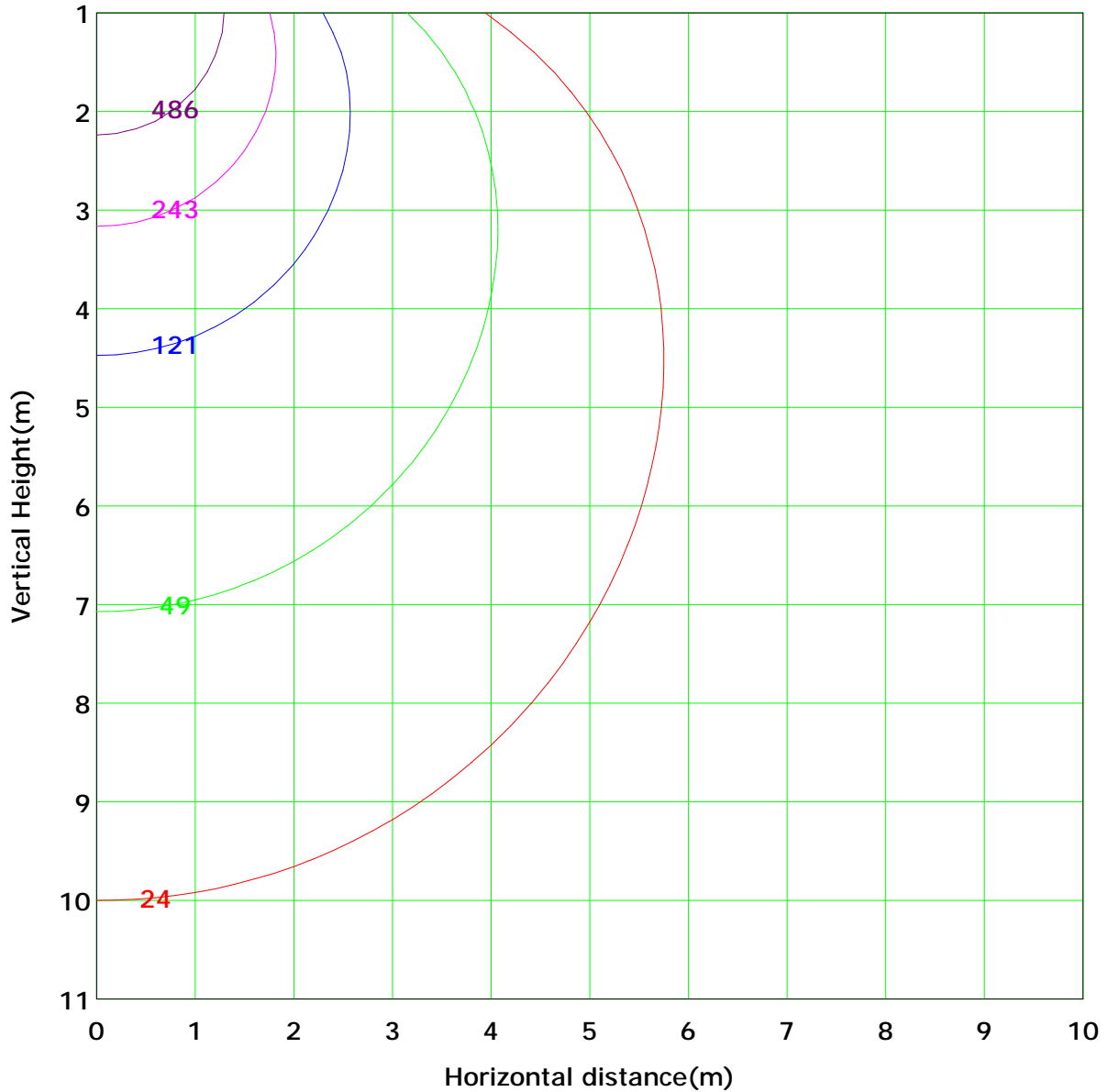
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Test Device: GPM-1600L
Distance: 8.580 m
Humidity: 88
Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 2428.9 lx
 (1%): 24.3 lx (2%): 48.6 lx
 (5%): 121.4 lx (10%): 242.9 lx
 (20%): 485.8 lx

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 Humidity: 88
 Inspector:

Area Flux Table

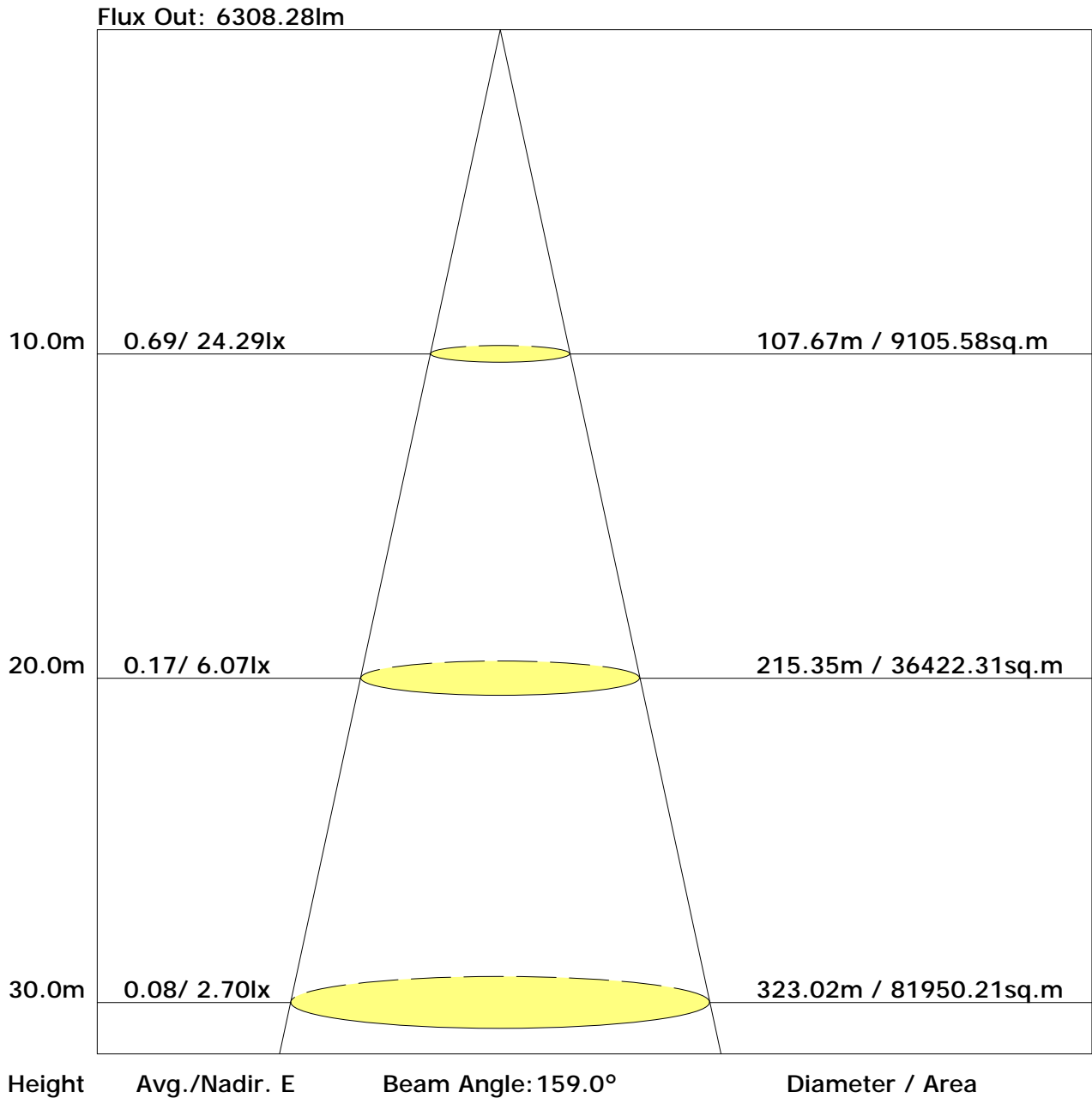
Unit: lm

		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	0.1	0.2	0.4	0.6	0.9	1.2	1.4	1.5	1.5	1.5	1.4	1.2	0.9	0.7	0.6	0.4	0.1	14.4	0.0	
0.0	2.5	0.0	0.2	0.6	2.2	3.9	5.8	7.5	8.8	9.6	9.6	9.0	7.8	6.1	4.2	2.6	1.4	0.6	0.2	80.4	51.1	
0.0	30.1	0.0	0.9	2.4	5.3	9.0	12.9	16.5	19.2	20.7	20.8	19.4	16.8	13.2	9.3	5.6	2.8	1.1	0.2	175.7	168.9	
0.1	100.0	0.1	1.1	4.0	8.7	14.4	20.3	25.7	29.8	32.0	32.2	30.1	26.1	20.7	14.8	9.0	4.4	1.6	0.3	275.2	272.1	
0.1	206.2	1.7	5.7	11.9	19.4	27.3	34.4	40.0	43.0	43.1	40.3	35.0	27.8	19.8	12.4	6.1	2.1	0.3	370.3	368.3		
0.2	334.8	2.1	7.1	14.7	23.8	33.5	42.4	49.3	53.1	53.3	49.7	43.0	34.1	24.4	15.3	7.7	2.6	0.4	456.6	455.2		
0.2	470.2	2.5	8.3	17.0	27.5	38.7	49.1	57.3	61.9	62.1	57.8	49.8	39.4	28.2	17.7	9.0	3.0	0.4	529.9	528.8		
0.2	633.4	2.8	9.1	18.6	30.1	42.5	54.1	63.3	68.6	68.8	63.9	54.9	43.4	31.1	19.5	9.9	3.3	0.4	584.7	583.7		
0.3	809.7	3.0	9.6	19.5	31.6	44.6	56.9	66.7	72.3	72.5	67.3	57.8	45.7	32.7	20.5	10.4	3.5	0.5	615.4	614.5		
0.3	997.7	3.0	9.7	19.6	31.8	44.9	57.3	67.1	72.7	72.8	67.6	58.1	46.0	32.9	20.7	10.5	3.5	0.5	619.1	618.2		
0.2	1299.4	2.9	9.4	19.1	30.9	43.4	55.3	64.5	69.6	69.7	64.8	55.8	44.2	31.7	19.9	10.2	3.4	0.4	595.7	594.8		
0.2	1588.8	2.7	8.8	17.8	28.8	40.2	50.8	59.0	63.6	63.7	59.3	51.2	40.8	29.4	18.5	9.5	3.2	0.4	547.9	546.9		
0.2	1878.2	2.4	7.8	15.9	25.6	35.5	44.5	51.5	55.4	55.5	51.8	44.9	35.9	26.0	16.4	8.4	2.8	0.4	480.8	479.6		
0.2	2167.6	1.9	6.5	13.4	21.4	29.6	37.1	42.7	45.8	45.9	43.0	37.5	30.0	21.8	13.9	7.0	2.4	0.3	400.3	398.7		
0.1	2457.0	1.4	5.0	10.4	16.7	23.0	28.7	33.1	35.4	35.5	33.3	29.1	23.4	17.0	10.7	5.4	1.9	0.3	310.4	308.1		
0.1	2746.4	0.9	3.3	7.1	11.4	15.9	19.9	22.9	24.6	24.6	23.1	20.1	16.2	11.7	7.3	3.7	1.3	0.2	214.5	210.2		
0.0	3035.8	0.5	1.7	3.8	6.2	8.7	10.9	12.6	13.5	13.6	12.7	11.1	8.9	6.4	4.1	2.1	0.8	0.2	118.0	104.5		
0.0	3325.2	0.2	0.5	1.1	1.8	2.5	3.1	3.6	3.9	3.9	3.7	3.3	2.7	2.1	1.4	0.9	0.5	0.1	35.4	2.7		
0.0	3614.6	21.2	93.1	199.6	328.3	463.7	589.1	686.7	740.7	742.5	692.4	597.1	473.0	337.6	209.1	102.5	29.5	0.2	6306			

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 Inspector:

The Average Illuminance Effective Figure



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 Test Type: TYPE C
 Temperature: 23
 Operator: QIU

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 Test Device: GPM-1600L
 Distance: 8.580 m
 Humidity: 88
 Inspector:

UGR Table

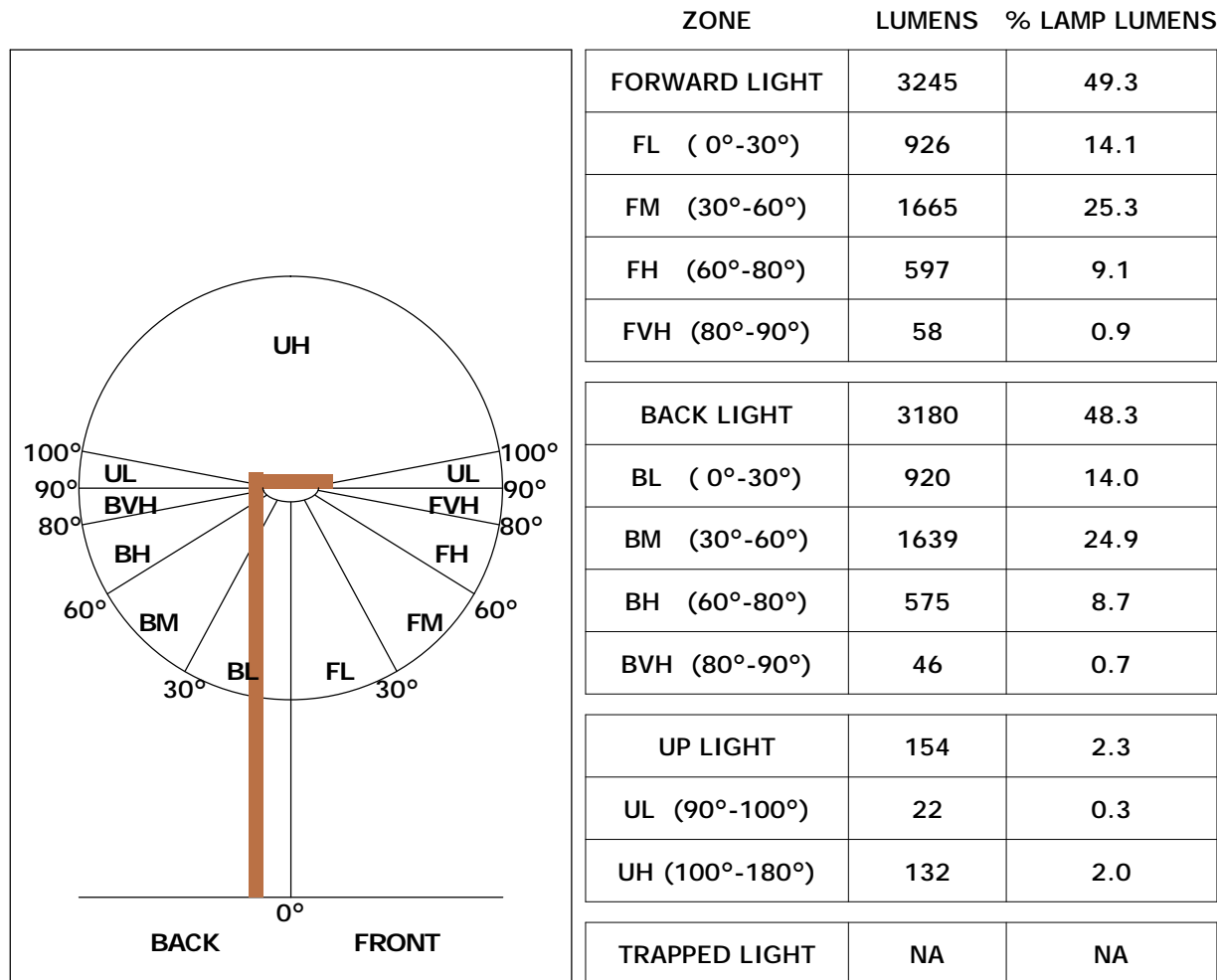
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	12.7	14.3	13.1	14.7	15.0	11.8	13.4	12.2	13.7	14.1
3H	14.5	15.9	14.9	16.3	16.7	13.3	14.7	13.7	15.1	15.5
4H	15.1	16.4	15.5	16.8	17.2	13.8	15.1	14.2	15.5	15.9
6H	15.5	16.7	16.0	17.1	17.6	14.1	15.3	14.5	15.7	16.1
8H	15.6	16.8	16.1	17.2	17.7	14.1	15.3	14.6	15.7	16.2
12H	15.7	16.8	16.2	17.3	17.8	14.1	15.3	14.6	15.7	16.2
X=4H Y=2H	13.1	14.5	13.6	14.8	15.3	12.4	13.7	12.9	14.1	14.6
3H	15.0	16.1	15.5	16.6	17.0	14.1	15.2	14.5	15.6	16.1
4H	15.7	16.7	16.2	17.2	17.7	14.7	15.7	15.1	16.1	16.6
6H	16.2	17.1	16.7	17.6	18.1	15.1	15.9	15.6	16.4	16.9
8H	16.4	17.2	16.9	17.7	18.2	15.2	16.0	15.7	16.5	17.0
12H	16.5	17.2	17.0	17.8	18.3	15.2	15.9	15.7	16.5	17.0
X=8H Y=4H	15.8	16.6	16.3	17.1	17.6	14.9	15.8	15.4	16.2	16.8
6H	16.4	17.1	16.9	17.6	18.1	15.4	16.1	15.9	16.6	17.1
8H	16.6	17.2	17.1	17.8	18.3	15.5	16.1	16.1	16.7	17.2
12H	16.8	17.3	17.3	17.8	18.4	15.6	16.2	16.2	16.7	17.3
X=12H Y=4H	15.8	16.5	16.3	17.1	17.6	15.0	15.7	15.5	16.2	16.7
6H	16.4	17.0	17.0	17.5	18.1	15.4	16.1	16.0	16.6	17.2
8H	16.6	17.2	17.2	17.7	18.3	15.6	16.1	16.2	16.7	17.3

Calculate in accordance with CIE 190:2010

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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)	B2 U3 G2
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B2 U3 G1

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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	0.57	0.67	0.75	0.80	0.87	0.92	0.96	1.00	1.03	
	0.30		0.50	0.60	0.68	0.73	0.81	0.87	0.91	0.96	1.00	
	0.20		0.44	0.54	0.62	0.68	0.76	0.82	0.86	0.93	0.96	
0.50	0.50	0.20	0.55	0.65	0.72	0.77	0.84	0.88	0.92	0.96	0.98	
	0.30		0.49	0.59	0.66	0.71	0.79	0.84	0.87	0.92	0.96	
	0.20		0.43	0.54	0.61	0.66	0.74	0.80	0.84	0.89	0.93	
0.30	0.50	0.20	0.54	0.63	0.69	0.74	0.81	0.85	0.88	0.92	0.94	
	0.30		0.48	0.57	0.64	0.69	0.76	0.81	0.84	0.89	0.92	
	0.20		0.43	0.53	0.60	0.65	0.73	0.78	0.82	0.87	0.90	
0.00	0.00	0.00	0.41	0.50	0.57	0.62	0.69	0.74	0.77	0.82	0.85	
<p>Rating: 61W 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	0.98	0.80	0.68	0.60	0.47	0.39	0.34	0.26	0.21	
	0.30		0.82	0.69	0.60	0.53	0.43	0.36	0.31	0.24	0.20	
	0.20		0.70	0.60	0.53	0.47	0.39	0.33	0.29	0.23	0.19	
0.50	0.50	0.20	0.94	0.77	0.65	0.57	0.45	0.41	0.32	0.25	0.20	
	0.30		0.79	0.67	0.58	0.51	0.41	0.34	0.30	0.23	0.19	
	0.20		0.69	0.59	0.52	0.46	0.38	0.32	0.28	0.22	0.18	
0.30	0.50	0.20	0.91	0.74	0.62	0.54	0.43	0.35	0.30	0.23	0.19	
	0.30		0.77	0.65	0.56	0.49	0.40	0.33	0.28	0.22	0.18	
	0.20		0.68	0.58	0.51	0.45	0.37	0.31	0.27	0.21	0.18	
0.00	0.00	0.00	0.57	0.48	0.41	0.36	0.29	0.24	0.21	0.16	0.13	
<p>Rating: 61W 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	0.18	0.20	0.21	0.21	0.22	0.23	0.23	0.24	0.24	
	0.30		0.12	0.13	0.15	0.16	0.17	0.19	0.19	0.21	0.21	
	0.20		0.07	0.09	0.10	0.11	0.13	0.15	0.16	0.18	0.19	
0.50	0.50	0.20	0.18	0.19	0.20	0.20	0.21	0.22	0.22	0.23	0.23	
	0.30		0.12	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21	
	0.20		0.07	0.08	0.10	0.11	0.13	0.15	0.16	0.17	0.18	
0.30	0.50	0.20	0.17	0.18	0.19	0.20	0.20	0.21	0.21	0.22	0.22	
	0.30		0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19	0.20	
	0.20		0.07	0.08	0.10	0.11	0.13	0.14	0.15	0.17	0.18	
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	
<p>Rating: 61W 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	2431.9	2.3	2.3	0.04	0.04
1.0-2.0	2430.8	7.0	9.3	0.11	0.14
2.0-3.0	2428.5	11.6	20.9	0.18	0.32
3.0-4.0	2425.1	16.2	37.2	0.25	0.56
4.0-5.0	2420.5	20.8	58.0	0.32	0.88
5.0-6.0	2414.8	25.4	83.4	0.39	1.27
6.0-7.0	2407.9	29.9	113.3	0.45	1.72
7.0-8.0	2400.0	34.4	147.6	0.52	2.24
8.0-9.0	2390.9	38.8	186.4	0.59	2.83
9.0-10.0	2380.8	43.1	229.5	0.65	3.49
10.0-11.0	2369.5	47.4	276.8	0.72	4.21
11.0-12.0	2357.2	51.5	328.3	0.78	4.99
12.0-13.0	2343.9	55.6	384.0	0.85	5.84
13.0-14.0	2329.5	59.6	443.6	0.91	6.74
14.0-15.0	2314.2	63.5	507.1	0.97	7.71
15.0-16.0	2297.8	67.3	574.5	1.02	8.73
16.0-17.0	2280.5	71.0	645.5	1.08	9.81
17.0-18.0	2262.2	74.6	720.1	1.13	10.95
18.0-19.0	2243.1	78.1	798.2	1.19	12.13
19.0-20.0	2223.1	81.4	879.5	1.24	13.37
20.0-21.0	2202.2	84.6	964.1	1.29	14.65
21.0-22.0	2180.5	87.6	1051.7	1.33	15.99
22.0-23.0	2157.9	90.6	1142.3	1.38	17.36
23.0-24.0	2134.5	93.3	1235.6	1.42	18.78
24.0-25.0	2110.4	96.0	1331.6	1.46	20.24
25.0-26.0	2085.5	98.5	1430.1	1.50	21.74
26.0-27.0	2059.9	100.8	1530.9	1.53	23.27
27.0-28.0	2033.7	103.0	1633.8	1.57	24.83
28.0-29.0	2006.6	105.0	1738.8	1.60	26.43
29.0-30.0	1979.2	106.9	1845.7	1.62	28.06
30.0-31.0	1951.3	108.6	1954.3	1.65	29.71
31.0-32.0	1922.6	110.2	2064.5	1.67	31.38
32.0-33.0	1893.2	111.5	2176.0	1.70	33.08
33.0-34.0	1863.4	112.8	2288.8	1.71	34.79
34.0-35.0	1833.3	113.9	2402.7	1.73	36.52
35.0-36.0	1802.5	114.8	2517.5	1.74	38.27

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.580 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	1771.3	115.5	2633.0	1.76	40.02
37.0-38.0	1739.8	116.1	2749.1	1.77	41.79
38.0-39.0	1707.7	116.6	2865.7	1.77	43.56
39.0-40.0	1675.1	116.8	2982.6	1.78	45.34
40.0-41.0	1642.4	117.0	3099.5	1.78	47.11
41.0-42.0	1609.3	116.9	3216.5	1.78	48.89
42.0-43.0	1575.8	116.7	3333.2	1.77	50.67
43.0-44.0	1542.2	116.4	3449.6	1.77	52.43
44.0-45.0	1508.7	116.0	3565.6	1.76	54.20
45.0-46.0	1474.9	115.4	3681.0	1.75	55.95
46.0-47.0	1440.2	114.6	3795.5	1.74	57.69
47.0-48.0	1405.4	113.6	3909.1	1.73	59.42
48.0-49.0	1370.6	112.6	4021.7	1.71	61.13
49.0-50.0	1336.0	111.4	4133.1	1.69	62.82
50.0-51.0	1300.6	110.0	4243.2	1.67	64.50
51.0-52.0	1264.1	108.5	4351.6	1.65	66.15
52.0-53.0	1227.5	106.8	4458.4	1.62	67.77
53.0-54.0	1191.2	105.0	4563.4	1.60	69.36
54.0-55.0	1155.1	103.1	4666.6	1.57	70.93
55.0-56.0	1118.5	101.1	4767.6	1.54	72.47
56.0-57.0	1082.3	99.0	4866.6	1.50	73.97
57.0-58.0	1046.5	96.8	4963.4	1.47	75.44
58.0-59.0	1008.9	94.3	5057.7	1.43	76.88
59.0-60.0	970.6	91.7	5149.4	1.39	78.27
60.0-61.0	933.6	89.1	5238.5	1.35	79.63
61.0-62.0	897.1	86.5	5325.0	1.31	80.94
62.0-63.0	860.4	83.7	5408.7	1.27	82.21
63.0-64.0	823.3	80.8	5489.5	1.23	83.44
64.0-65.0	785.5	77.7	5567.2	1.18	84.62
65.0-66.0	747.1	74.6	5641.8	1.13	85.76
66.0-67.0	708.9	71.3	5713.1	1.08	86.84
67.0-68.0	671.2	68.0	5781.1	1.03	87.87
68.0-69.0	633.7	64.7	5845.7	0.98	88.86
69.0-70.0	596.4	61.3	5907.0	0.93	89.79
70.0-71.0	557.9	57.7	5964.7	0.88	90.66
71.0-72.0	519.4	54.0	6018.7	0.82	91.48

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.580 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	482.4	50.4	6069.1	0.77	92.25
73.0-74.0	445.1	46.8	6115.9	0.71	92.96
74.0-75.0	408.1	43.1	6159.1	0.66	93.62
75.0-76.0	371.8	39.5	6198.5	0.60	94.22
76.0-77.0	336.6	35.9	6234.4	0.55	94.76
77.0-78.0	302.4	32.4	6266.8	0.49	95.26
78.0-79.0	268.5	28.9	6295.7	0.44	95.69
79.0-80.0	235.4	25.4	6321.0	0.39	96.08
80.0-81.0	203.7	22.0	6343.1	0.33	96.42
81.0-82.0	173.7	18.8	6361.9	0.29	96.70
82.0-83.0	145.0	15.8	6377.7	0.24	96.94
83.0-84.0	118.3	12.9	6390.6	0.20	97.14
84.0-85.0	94.2	10.3	6400.8	0.16	97.29
85.0-86.0	72.9	8.0	6408.8	0.12	97.41
86.0-87.0	54.8	6.0	6414.8	0.09	97.51
87.0-88.0	40.6	4.4	6419.2	0.07	97.57
88.0-89.0	30.6	3.4	6422.6	0.05	97.62
89.0-90.0	23.7	2.6	6425.2	0.04	97.66
90.0-91.0	19.3	2.1	6427.3	0.03	97.70
91.0-92.0	17.6	1.9	6429.2	0.03	97.73
92.0-93.0	17.6	1.9	6431.2	0.03	97.75
93.0-94.0	18.6	2.0	6433.2	0.03	97.79
94.0-95.0	19.5	2.1	6435.4	0.03	97.82
95.0-96.0	20.0	2.2	6437.5	0.03	97.85
96.0-97.0	20.5	2.2	6439.8	0.03	97.89
97.0-98.0	21.1	2.3	6442.1	0.03	97.92
98.0-99.0	21.4	2.3	6444.4	0.04	97.96
99.0-100.0	21.8	2.4	6446.8	0.04	97.99
100.0-101.0	22.2	2.4	6449.1	0.04	98.03
101.0-102.0	22.5	2.4	6451.6	0.04	98.06
102.0-103.0	23.0	2.5	6454.0	0.04	98.10
103.0-104.0	23.3	2.5	6456.5	0.04	98.14
104.0-105.0	23.6	2.5	6459.0	0.04	98.18
105.0-106.0	24.0	2.5	6461.6	0.04	98.22
106.0-107.0	23.9	2.5	6464.1	0.04	98.25
107.0-108.0	24.1	2.5	6466.6	0.04	98.29

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.580 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	24.3	2.5	6469.1	0.04	98.33
109.0-110.0	24.3	2.5	6471.6	0.04	98.37
110.0-111.0	24.5	2.5	6474.1	0.04	98.41
111.0-112.0	24.3	2.5	6476.6	0.04	98.45
112.0-113.0	24.4	2.5	6479.1	0.04	98.48
113.0-114.0	24.6	2.5	6481.6	0.04	98.52
114.0-115.0	24.6	2.5	6484.0	0.04	98.56
115.0-116.0	24.5	2.4	6486.4	0.04	98.59
116.0-117.0	24.4	2.4	6488.8	0.04	98.63
117.0-118.0	24.5	2.4	6491.2	0.04	98.67
118.0-119.0	24.6	2.4	6493.6	0.04	98.70
119.0-120.0	24.5	2.3	6495.9	0.04	98.74
120.0-121.0	24.5	2.3	6498.3	0.04	98.77
121.0-122.0	24.6	2.3	6500.6	0.03	98.81
122.0-123.0	24.7	2.3	6502.8	0.03	98.84
123.0-124.0	24.7	2.3	6505.1	0.03	98.88
124.0-125.0	24.8	2.2	6507.3	0.03	98.91
125.0-126.0	24.9	2.2	6509.6	0.03	98.95
126.0-127.0	25.0	2.2	6511.8	0.03	98.98
127.0-128.0	25.1	2.2	6513.9	0.03	99.01
128.0-129.0	25.1	2.2	6516.1	0.03	99.05
129.0-130.0	25.1	2.1	6518.2	0.03	99.08
130.0-131.0	25.3	2.1	6520.3	0.03	99.11
131.0-132.0	25.4	2.1	6522.4	0.03	99.14
132.0-133.0	25.6	2.1	6524.5	0.03	99.17
133.0-134.0	25.7	2.0	6526.5	0.03	99.20
134.0-135.0	25.8	2.0	6528.6	0.03	99.24
135.0-136.0	25.9	2.0	6530.6	0.03	99.27
136.0-137.0	26.0	2.0	6532.5	0.03	99.30
137.0-138.0	26.1	1.9	6534.5	0.03	99.32
138.0-139.0	26.3	1.9	6536.4	0.03	99.35
139.0-140.0	26.5	1.9	6538.2	0.03	99.38
140.0-141.0	26.6	1.9	6540.1	0.03	99.41
141.0-142.0	26.7	1.8	6541.9	0.03	99.44
142.0-143.0	26.8	1.8	6543.7	0.03	99.47
143.0-144.0	26.9	1.8	6545.5	0.03	99.49

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.580 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	27.0	1.7	6547.2	0.03	99.52
145.0-146.0	27.1	1.7	6548.9	0.03	99.54
146.0-147.0	27.3	1.6	6550.5	0.03	99.57
147.0-148.0	27.4	1.6	6552.1	0.02	99.59
148.0-149.0	27.5	1.6	6553.7	0.02	99.62
149.0-150.0	27.6	1.5	6555.3	0.02	99.64
150.0-151.0	27.6	1.5	6556.7	0.02	99.66
151.0-152.0	27.6	1.4	6558.2	0.02	99.69
152.0-153.0	27.7	1.4	6559.6	0.02	99.71
153.0-154.0	27.8	1.4	6561.0	0.02	99.73
154.0-155.0	27.8	1.3	6562.3	0.02	99.75
155.0-156.0	27.9	1.3	6563.5	0.02	99.77
156.0-157.0	28.0	1.2	6564.8	0.02	99.79
157.0-158.0	28.1	1.2	6565.9	0.02	99.80
158.0-159.0	28.1	1.1	6567.1	0.02	99.82
159.0-160.0	28.2	1.1	6568.1	0.02	99.84
160.0-161.0	28.2	1.0	6569.2	0.02	99.85
161.0-162.0	28.3	1.0	6570.2	0.01	99.87
162.0-163.0	28.3	0.9	6571.1	0.01	99.88
163.0-164.0	28.3	0.9	6572.0	0.01	99.89
164.0-165.0	28.3	0.8	6572.8	0.01	99.91
165.0-166.0	28.4	0.8	6573.6	0.01	99.92
166.0-167.0	28.4	0.7	6574.3	0.01	99.93
167.0-168.0	28.4	0.7	6575.0	0.01	99.94
168.0-169.0	28.4	0.6	6575.6	0.01	99.95
169.0-170.0	28.4	0.6	6576.2	0.01	99.96
170.0-171.0	28.4	0.5	6576.7	0.01	99.97
171.0-172.0	28.4	0.5	6577.1	0.01	99.97
172.0-173.0	28.5	0.4	6577.6	0.01	99.98
173.0-174.0	28.5	0.4	6577.9	0.01	99.99
174.0-175.0	28.5	0.3	6578.2	0.00	99.99
175.0-176.0	28.5	0.2	6578.5	0.00	99.99
176.0-177.0	28.4	0.2	6578.6	0.00	100.00
177.0-178.0	28.4	0.1	6578.8	0.00	100.00
178.0-179.0	28.3	0.1	6578.9	0.00	100.00
179.0-180.0	28.3	0.0	6578.9	0.00	100.00

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.580 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	2428.9	2428.7	2431.6	2434.8	2435.9	2433.6	2428.9	2428.7	2431.6	2434.8
G1.0	2429.0	2429.3	2432.4	2435.3	2436.0	2433.1	2427.6	2427.0	2429.7	2433.1
G2.0	2428.0	2428.8	2431.9	2434.7	2434.9	2431.5	2425.3	2424.2	2426.7	2430.2
G3.0	2425.9	2427.1	2430.3	2432.8	2432.6	2428.8	2422.0	2420.4	2422.6	2426.0
G4.0	2422.8	2424.3	2427.3	2429.7	2429.3	2425.0	2417.3	2415.1	2417.2	2420.7
G5.0	2418.5	2420.4	2423.5	2425.7	2424.7	2420.0	2411.6	2409.1	2410.7	2414.4
G6.0	2413.1	2415.2	2418.4	2420.1	2419.1	2414.1	2405.0	2401.9	2402.9	2406.6
G7.0	2406.7	2409.1	2412.0	2413.6	2411.9	2406.6	2397.1	2393.1	2394.1	2397.8
G8.0	2399.2	2402.0	2404.7	2406.1	2404.5	2398.8	2388.1	2383.6	2384.2	2388.1
G9.0	2390.6	2393.6	2396.1	2397.1	2395.0	2389.0	2378.3	2373.5	2373.2	2377.3
G10.0	2381.1	2384.4	2386.5	2387.1	2385.2	2378.8	2367.1	2361.7	2361.3	2364.6
G11.0	2370.4	2373.6	2375.6	2376.2	2373.6	2367.4	2355.3	2349.0	2347.5	2351.6
G12.0	2358.9	2362.4	2364.0	2363.7	2361.5	2355.2	2342.0	2335.4	2333.3	2337.0
G13.0	2345.9	2349.5	2351.1	2350.7	2348.1	2341.4	2328.4	2320.8	2318.1	2321.7
G14.0	2331.9	2336.3	2337.2	2336.3	2334.0	2327.9	2312.7	2304.6	2301.9	2305.4
G15.0	2317.6	2321.8	2322.6	2321.0	2318.3	2311.9	2296.7	2288.3	2284.7	2288.0
G16.0	2301.5	2306.3	2305.9	2304.6	2301.8	2295.9	2280.1	2270.7	2266.4	2269.5
G17.0	2285.6	2290.0	2289.5	2287.1	2284.7	2278.5	2262.2	2251.6	2246.3	2249.7
G18.0	2267.8	2272.8	2271.8	2269.4	2266.5	2260.4	2243.3	2232.6	2227.0	2229.3
G19.0	2249.6	2254.3	2252.8	2249.9	2247.5	2241.5	2223.9	2211.7	2205.8	2208.0
G20.0	2231.0	2235.2	2233.2	2230.4	2227.6	2221.8	2202.9	2190.9	2183.3	2185.8
G21.0	2210.7	2215.8	2212.8	2209.1	2206.8	2200.8	2182.0	2168.9	2160.6	2162.4
G22.0	2189.5	2194.7	2191.7	2187.6	2184.8	2180.0	2158.9	2146.1	2137.1	2139.1
G23.0	2168.1	2172.3	2169.2	2164.8	2162.6	2157.4	2136.4	2122.1	2113.4	2114.1
G24.0	2145.3	2150.6	2146.5	2141.6	2139.0	2134.7	2112.1	2097.6	2088.3	2088.6
G25.0	2122.7	2127.5	2122.3	2117.0	2115.1	2110.6	2088.0	2073.0	2061.3	2062.4
G26.0	2098.8	2103.0	2098.4	2092.7	2089.8	2086.6	2062.0	2046.4	2035.7	2035.4
G27.0	2074.2	2079.4	2073.7	2067.2	2065.4	2061.3	2036.4	2019.7	2007.6	2008.3
G28.0	2048.8	2053.5	2047.3	2041.0	2039.3	2034.9	2009.0	1992.9	1980.1	1979.3
G29.0	2023.4	2027.5	2020.8	2014.2	2012.0	2008.9	1982.1	1964.9	1950.8	1949.7
G30.0	1996.8	2000.9	1994.4	1986.2	1986.0	1981.9	1954.2	1936.6	1923.1	1921.7
G31.0	1969.6	1974.4	1966.8	1958.9	1957.6	1954.4	1925.1	1907.0	1892.8	1891.2
G32.0	1942.0	1945.5	1938.1	1929.9	1929.4	1926.4	1896.7	1878.1	1863.3	1861.5
G33.0	1913.1	1918.5	1908.8	1901.7	1899.3	1897.9	1865.6	1847.3	1831.2	1830.4
G34.0	1884.2	1888.3	1880.2	1872.2	1871.3	1868.8	1836.6	1818.0	1799.9	1798.9
G35.0	1854.6	1860.1	1850.9	1842.1	1840.5	1839.6	1805.1	1786.1	1768.8	1766.8
G36.0	1824.5	1829.2	1820.5	1811.5	1810.7	1809.3	1774.4	1754.3	1737.3	1735.0

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.580 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	1795.3	1799.4	1789.7	1780.4	1779.8	1778.6	1741.8	1722.1	1704.6	1700.7
G38.0	1764.2	1768.4	1757.7	1749.8	1748.5	1746.7	1711.2	1690.3	1672.3	1668.9
G39.0	1732.8	1737.7	1726.8	1718.1	1717.5	1715.9	1678.0	1656.9	1637.0	1634.8
G40.0	1701.0	1705.9	1694.2	1685.3	1684.9	1684.2	1645.2	1623.8	1604.3	1601.9
G41.0	1668.9	1673.8	1661.9	1653.8	1653.4	1652.0	1612.0	1590.3	1570.4	1567.1
G42.0	1636.3	1641.4	1630.2	1620.4	1620.2	1619.6	1577.6	1556.4	1536.2	1533.4
G43.0	1603.4	1608.6	1598.0	1588.2	1587.3	1586.8	1544.3	1522.1	1500.8	1497.9
G44.0	1569.9	1575.2	1563.8	1555.6	1553.9	1553.5	1513.4	1488.1	1466.6	1463.5
G45.0	1536.7	1542.1	1530.9	1521.7	1521.7	1519.8	1490.7	1452.4	1432.1	1428.1
G46.0	1501.8	1507.3	1499.8	1487.8	1486.2	1486.6	1454.3	1418.6	1396.6	1392.4
G47.0	1468.0	1473.6	1471.3	1455.2	1454.3	1453.1	1406.4	1382.5	1361.0	1356.6
G48.0	1434.0	1439.1	1435.1	1420.7	1419.2	1418.7	1369.9	1347.8	1325.4	1320.8
G49.0	1399.8	1405.1	1399.9	1386.2	1385.4	1385.1	1333.5	1320.9	1289.4	1284.8
G50.0	1364.6	1370.1	1365.1	1351.6	1351.5	1356.4	1298.2	1286.7	1254.1	1248.4
G51.0	1329.1	1335.6	1330.6	1316.8	1316.7	1330.3	1262.0	1239.5	1217.6	1211.9
G52.0	1293.4	1299.4	1295.9	1281.8	1281.6	1287.0	1225.4	1202.0	1180.9	1175.9
G53.0	1258.2	1264.3	1261.8	1247.2	1246.2	1245.5	1187.7	1165.1	1143.1	1138.8
G54.0	1220.8	1228.9	1226.8	1211.4	1210.5	1209.3	1153.0	1127.9	1106.8	1102.4
G55.0	1185.8	1192.5	1193.1	1177.3	1176.3	1174.0	1114.8	1091.3	1069.5	1064.1
G56.0	1148.8	1156.7	1156.3	1140.5	1140.3	1137.7	1079.0	1053.9	1031.3	1026.7
G57.0	1113.4	1120.8	1121.3	1106.1	1105.0	1103.0	1053.7	1017.4	994.0	989.4
G58.0	1075.4	1084.0	1083.6	1070.0	1068.0	1065.7	1027.1	979.0	957.4	952.6
G59.0	1037.2	1047.0	1046.6	1033.9	1033.4	1030.0	970.1	941.2	919.9	914.1
G60.0	1000.5	1009.3	1009.2	996.8	996.3	993.4	927.3	904.3	882.1	877.9
G61.0	962.0	976.5	972.2	961.2	960.7	956.5	888.3	878.0	844.9	839.1
G62.0	925.5	945.7	934.0	924.4	923.7	923.1	850.5	835.0	806.0	800.9
G63.0	887.9	911.4	897.5	889.0	887.4	902.0	812.0	788.2	768.6	763.5
G64.0	849.3	874.9	859.2	851.1	850.2	858.3	779.8	750.6	731.3	726.0
G65.0	810.7	837.1	821.7	816.4	813.8	809.1	755.1	712.9	692.3	687.0
G66.0	773.8	797.6	783.7	779.3	778.4	771.4	705.6	673.8	653.5	648.2
G67.0	735.2	760.8	750.9	742.3	747.8	734.6	656.9	637.1	616.4	611.1
G68.0	696.5	721.4	713.8	705.3	705.7	697.1	619.2	606.6	579.3	572.3
G69.0	657.9	683.5	677.8	669.2	667.1	666.6	591.5	560.0	541.4	534.4
G70.0	621.2	644.5	639.2	631.4	630.1	633.0	558.1	520.6	502.7	498.2
G71.0	582.4	605.9	602.3	595.1	592.8	589.5	503.3	483.4	465.1	459.7
G72.0	543.7	566.2	564.4	557.2	556.4	546.9	470.1	449.9	428.5	423.2
G73.0	505.1	526.4	527.5	522.7	520.2	512.0	440.2	407.8	392.2	386.2

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.580 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	466.7	486.5	490.1	486.0	482.5	481.5	390.6	371.5	355.7	349.0
G75.0	428.9	448.4	453.8	448.0	447.0	439.1	362.7	337.3	320.0	313.4
G76.0	391.6	415.2	416.4	413.6	412.5	400.4	318.4	298.6	284.9	278.4
G77.0	354.4	383.1	382.8	376.5	374.5	370.6	288.4	264.0	250.6	245.1
G78.0	324.9	350.0	348.5	342.3	340.3	329.2	252.9	230.1	215.7	211.1
G79.0	290.4	312.8	313.2	306.3	305.1	296.8	218.6	197.8	185.0	179.8
G80.0	261.8	277.6	279.8	274.1	270.4	258.9	184.6	164.6	154.2	148.7
G81.0	233.3	242.5	249.7	240.2	238.8	227.9	153.7	134.6	126.4	120.6
G82.0	204.8	213.4	216.9	208.1	205.9	194.8	123.6	107.3	98.8	94.0
G83.0	178.5	183.3	184.4	176.6	174.3	162.9	96.2	82.5	75.0	70.7
G84.0	153.7	156.0	153.5	147.3	145.0	133.8	72.0	59.7	53.2	49.8
G85.0	132.3	128.3	125.4	119.2	117.6	106.7	50.0	40.9	35.3	32.5
G86.0	112.5	101.4	99.0	94.3	92.3	82.5	31.8	25.6	21.1	19.1
G87.0	91.7	78.0	75.7	70.9	69.0	59.6	18.3	15.1	11.9	10.5
G88.0	74.5	59.5	55.6	50.8	48.8	41.2	9.1	10.0	7.6	6.5
G89.0	64.8	44.2	38.8	34.0	32.5	26.8	9.0	7.9	6.0	5.0
G90.0	48.9	34.1	26.8	20.8	20.0	16.2	9.3	7.7	5.4	4.6
G91.0	47.7	29.7	19.2	12.1	11.7	10.6	9.6	7.7	5.4	4.7
G92.0	47.6	30.3	16.2	7.9	8.4	9.1	9.8	7.8	5.5	5.0
G93.0	57.8	31.9	16.2	6.5	7.3	8.7	10.2	8.0	5.6	5.2
G94.0	68.7	32.7	16.4	6.0	6.7	8.6	10.8	8.1	5.8	5.5
G95.0	74.2	34.0	17.0	5.8	6.6	9.0	10.6	8.0	5.9	5.8
G96.0	76.6	34.3	17.2	5.8	6.5	8.7	10.0	8.1	6.1	6.1
G97.0	82.5	35.0	17.4	6.0	6.7	9.0	10.5	8.3	6.3	6.5
G98.0	82.6	36.0	17.7	6.3	6.9	9.2	11.0	8.4	6.5	6.8
G99.0	82.3	37.0	18.6	6.5	7.0	9.3	10.6	8.6	6.7	7.1
G100.0	86.4	37.9	18.7	6.9	7.2	9.5	10.1	8.7	6.8	7.5
G101.0	83.9	38.7	18.9	7.2	7.4	9.6	10.3	8.9	7.1	7.8
G102.0	85.5	39.4	19.5	7.5	7.6	9.8	10.1	9.0	7.3	8.2
G103.0	87.4	40.1	19.8	7.9	7.8	10.0	10.1	9.2	7.5	8.5
G104.0	85.1	41.1	20.4	8.3	8.0	10.1	10.3	9.3	7.7	8.9
G105.0	83.5	45.5	20.8	8.6	8.3	10.2	11.2	9.4	7.9	9.2
G106.0	81.2	44.9	21.1	9.0	8.4	10.4	10.5	9.6	8.1	9.6
G107.0	77.7	44.8	21.5	9.3	8.7	10.5	10.8	9.7	8.4	10.0
G108.0	76.4	47.9	21.8	9.6	8.9	10.6	11.5	9.9	8.7	10.3
G109.0	74.5	47.2	22.3	10.1	9.2	11.1	11.0	10.1	8.9	10.7
G110.0	71.9	48.3	24.5	10.4	9.4	11.0	11.2	10.3	9.2	11.1

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.580 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	70.8	47.7	25.5	10.8	9.6	11.1	11.3	10.5	9.4	11.4
G112.0	69.7	45.0	24.6	11.2	10.0	11.4	11.5	10.6	9.7	11.7
G113.0	68.5	47.5	25.0	11.5	10.2	11.6	11.7	10.8	10.0	12.1
G114.0	66.6	46.5	24.6	11.9	10.5	11.7	11.9	11.0	10.2	12.4
G115.0	64.2	47.3	25.6	12.3	10.8	11.9	12.0	11.2	10.5	12.8
G116.0	61.8	45.9	25.7	12.6	11.1	12.1	12.2	11.3	10.8	13.1
G117.0	60.6	45.7	26.1	13.0	11.4	12.3	12.4	11.5	11.0	13.5
G118.0	59.9	46.5	27.9	13.4	11.6	12.5	12.9	11.7	11.3	13.8
G119.0	58.3	46.0	27.3	13.7	11.9	12.7	13.3	11.9	11.5	14.1
G120.0	56.4	45.9	27.1	14.0	12.2	12.9	13.7	12.1	11.8	14.4
G121.0	56.3	44.9	26.8	14.4	12.5	13.1	13.8	12.3	12.0	14.8
G122.0	55.8	45.0	28.0	14.8	12.7	13.3	13.9	12.5	12.3	15.1
G123.0	54.6	44.4	27.5	15.1	13.0	13.5	14.2	12.8	12.5	15.4
G124.0	54.0	44.3	27.2	15.4	13.3	13.8	14.4	13.1	12.8	15.7
G125.0	52.4	44.6	28.1	15.8	13.6	14.0	14.6	13.4	13.1	16.0
G126.0	51.9	44.7	28.0	16.1	13.9	14.3	14.6	13.8	13.4	16.3
G127.0	51.6	44.0	28.5	16.4	14.1	14.7	14.7	14.0	13.6	16.6
G128.0	51.3	43.5	28.5	16.8	14.4	15.0	14.9	14.3	13.9	17.0
G129.0	50.5	42.0	28.8	17.1	14.7	15.2	15.0	14.6	14.2	17.3
G130.0	49.5	41.7	29.3	17.4	15.0	15.6	15.1	15.0	14.4	17.6
G131.0	48.9	41.8	29.3	17.7	15.3	15.9	15.3	15.4	14.8	17.9
G132.0	48.2	42.0	28.8	18.1	15.6	16.3	15.8	15.9	15.0	18.2
G133.0	48.0	42.3	28.9	18.4	15.9	16.7	16.1	16.1	15.3	18.5
G134.0	47.8	42.2	29.0	18.7	16.2	17.2	16.4	16.4	15.6	18.8
G135.0	47.5	41.5	29.0	19.0	16.4	17.5	16.7	16.6	15.9	19.1
G136.0	47.2	41.2	29.2	19.3	16.8	17.8	17.0	17.0	16.2	19.4
G137.0	46.9	41.1	29.3	19.6	17.0	18.1	17.2	17.3	16.6	19.7
G138.0	46.2	41.0	29.7	19.9	17.3	18.4	17.5	17.5	17.0	20.0
G139.0	45.6	41.3	30.0	20.3	17.7	18.5	17.8	17.7	17.3	20.3
G140.0	44.6	41.7	30.1	20.5	18.1	18.8	18.2	18.0	17.7	20.6
G141.0	43.9	41.6	30.1	20.8	18.4	19.0	18.5	18.3	18.0	21.0
G142.0	43.6	41.1	30.2	21.1	18.7	19.3	18.8	18.6	18.3	21.4
G143.0	43.5	40.4	30.2	21.4	19.0	19.4	19.2	18.8	18.6	21.7
G144.0	43.3	39.8	30.3	21.8	19.4	19.6	19.5	19.1	19.0	22.0
G145.0	43.1	39.4	30.5	22.1	19.6	19.8	19.8	19.4	19.5	22.2
G146.0	42.9	38.9	30.8	22.4	19.9	20.0	20.1	19.7	19.9	22.5
G147.0	42.6	38.6	31.0	22.8	20.2	20.2	20.3	19.8	20.2	22.8

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.580 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	42.3	38.3	31.2	23.0	20.6	20.4	20.5	20.0	20.5	23.2
G149.0	42.0	37.7	31.3	23.3	21.0	20.6	20.7	20.4	20.7	23.4
G150.0	41.3	37.3	31.1	23.6	21.4	20.9	20.9	20.7	20.9	23.8
G151.0	40.6	36.8	31.3	23.9	21.8	21.0	21.1	21.0	21.2	24.1
G152.0	39.7	36.7	31.3	24.2	22.1	21.3	21.3	21.6	21.5	24.3
G153.0	39.0	36.7	31.1	24.6	22.3	21.5	21.5	21.9	21.7	24.5
G154.0	38.8	36.6	30.9	24.9	22.6	22.0	21.7	22.1	21.9	24.7
G155.0	38.6	36.5	30.5	25.1	22.8	22.6	21.9	22.2	22.1	24.9
G156.0	38.5	36.5	30.4	25.4	23.0	22.9	22.1	21.7	22.4	25.1
G157.0	38.3	36.4	30.5	25.6	23.0	23.2	22.4	22.0	22.6	25.3
G158.0	38.1	36.4	30.5	25.7	23.1	23.4	22.6	22.4	22.9	25.5
G159.0	37.9	36.3	30.6	25.8	23.3	23.7	22.9	22.4	22.9	25.7
G160.0	37.6	36.2	30.7	25.9	23.5	23.9	23.1	22.6	22.9	25.7
G161.0	37.4	35.8	30.8	26.0	23.7	24.3	23.3	22.9	23.2	25.9
G162.0	37.0	35.5	30.9	26.3	23.9	23.7	23.5	23.1	23.4	26.0
G163.0	36.8	35.3	30.8	26.4	23.9	23.9	23.7	23.4	23.6	26.4
G164.0	36.5	34.9	30.7	26.7	24.2	24.2	23.9	23.6	23.9	26.6
G165.0	36.3	34.4	30.8	26.6	24.8	24.4	24.2	23.9	24.2	27.0
G166.0	35.7	33.9	30.8	26.8	25.3	24.6	24.5	24.2	24.8	27.7
G167.0	34.5	33.2	30.7	27.5	25.0	24.9	24.7	24.4	25.0	28.0
G168.0	33.2	32.3	30.7	28.1	25.8	25.1	25.0	24.6	25.2	28.1
G169.0	32.8	31.9	30.7	28.3	26.1	25.3	25.3	24.9	25.5	27.7
G170.0	32.5	31.8	30.6	28.0	25.8	25.4	25.5	25.2	25.8	27.8
G171.0	32.3	31.6	30.5	27.8	26.1	25.6	25.8	25.5	26.1	27.9
G172.0	32.1	31.5	30.3	27.9	26.3	25.8	26.0	25.8	26.4	28.1
G173.0	31.9	31.3	30.1	28.1	26.5	26.1	26.3	26.1	26.6	28.2
G174.0	31.7	31.1	29.8	28.2	26.8	26.4	26.6	26.4	26.9	28.2
G175.0	31.4	30.8	29.6	28.3	27.0	26.6	26.9	26.7	27.1	27.9
G176.0	31.1	30.4	29.4	28.3	27.2	26.9	27.3	27.1	27.4	28.0
G177.0	30.5	29.8	29.1	28.0	27.4	27.2	27.6	27.4	27.7	28.0
G178.0	29.9	29.3	28.9	28.0	27.6	27.5	28.0	27.8	28.0	28.1
G179.0	29.3	28.9	28.6	28.0	27.8	27.8	28.4	28.1	28.2	28.1
G180.0	28.8	28.4	28.4	28.1	28.0	28.1	28.8	28.4	28.4	28.1

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.580 m
 Humidity: 88
 Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	2435.9	2433.6	2428.9							
G1.0	2434.6	2432.9	2429.0							
G2.0	2432.1	2431.1	2428.0							
G3.0	2428.5	2428.2	2425.9							
G4.0	2423.7	2424.0	2422.8							
G5.0	2417.9	2419.0	2418.5							
G6.0	2410.7	2412.7	2413.1							
G7.0	2402.5	2405.2	2406.7							
G8.0	2393.1	2396.9	2399.2							
G9.0	2382.1	2387.3	2390.6							
G10.0	2370.8	2376.4	2381.1							
G11.0	2357.8	2365.0	2370.4							
G12.0	2344.4	2352.0	2358.9							
G13.0	2329.7	2338.0	2345.9							
G14.0	2313.6	2323.2	2331.9							
G15.0	2296.8	2307.5	2317.6							
G16.0	2279.4	2291.1	2301.5							
G17.0	2260.1	2272.9	2285.6							
G18.0	2240.8	2253.8	2267.8							
G19.0	2219.6	2234.5	2249.6							
G20.0	2198.0	2214.4	2231.0							
G21.0	2175.7	2192.6	2210.7							
G22.0	2153.0	2170.5	2189.5							
G23.0	2128.5	2147.5	2168.1							
G24.0	2103.7	2123.7	2145.3							
G25.0	2078.6	2099.1	2122.7							
G26.0	2051.6	2073.0	2098.8							
G27.0	2024.4	2047.4	2074.2							
G28.0	1997.0	2021.0	2048.8							
G29.0	1967.9	1992.8	2023.4							
G30.0	1939.6	1965.5	1996.8							
G31.0	1909.5	1936.2	1969.6							
G32.0	1880.1	1907.0	1942.0							
G33.0	1848.7	1876.3	1913.1							
G34.0	1818.2	1846.5	1884.2							
G35.0	1785.6	1815.4	1854.6							
G36.0	1754.1	1784.5	1824.5							

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.580 m
 Humidity: 88
 Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	1722.1	1752.3	1795.3							
G38.0	1689.2	1720.6	1764.2							
G39.0	1654.4	1687.1	1732.8							
G40.0	1621.6	1653.2	1701.0							
G41.0	1587.7	1619.7	1668.9							
G42.0	1553.3	1586.3	1636.3							
G43.0	1519.3	1551.1	1603.4							
G44.0	1483.4	1517.0	1569.9							
G45.0	1447.9	1481.7	1536.7							
G46.0	1412.7	1446.8	1501.8							
G47.0	1380.9	1411.1	1468.0							
G48.0	1348.9	1375.2	1434.0							
G49.0	1311.6	1338.2	1399.8							
G50.0	1274.1	1302.5	1364.6							
G51.0	1235.5	1264.8	1329.1							
G52.0	1198.9	1226.8	1293.4							
G53.0	1162.9	1190.2	1258.2							
G54.0	1125.7	1153.3	1220.8							
G55.0	1089.9	1116.2	1185.8							
G56.0	1050.6	1077.3	1148.8							
G57.0	1012.9	1040.2	1113.4							
G58.0	974.9	1001.2	1075.4							
G59.0	937.4	962.8	1037.2							
G60.0	898.8	924.9	1000.5							
G61.0	859.1	887.2	962.0							
G62.0	820.8	854.0	925.5							
G63.0	781.4	818.1	887.9							
G64.0	742.8	778.6	849.3							
G65.0	703.7	739.8	810.7							
G66.0	667.5	699.2	773.8							
G67.0	629.7	659.5	735.2							
G68.0	589.7	619.0	696.5							
G69.0	551.6	581.0	657.9							
G70.0	512.8	540.4	621.2							
G71.0	476.1	501.5	582.4							
G72.0	441.1	461.1	543.7							
G73.0	405.5	422.6	505.1							

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.580 m
 Humidity: 88
 Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	368.7	385.1	466.7							
G75.0	331.2	351.2	428.9							
G76.0	298.0	315.1	391.6							
G77.0	263.8	281.1	354.4							
G78.0	229.1	247.9	324.9							
G79.0	196.6	219.2	290.4							
G80.0	163.6	189.0	261.8							
G81.0	134.6	159.2	233.3							
G82.0	107.7	131.8	204.8							
G83.0	83.1	105.1	178.5							
G84.0	60.7	81.3	153.7							
G85.0	43.7	62.3	132.3							
G86.0	29.5	46.5	112.5							
G87.0	21.5	36.9	91.7							
G88.0	17.7	33.7	74.5							
G89.0	16.9	34.6	64.8							
G90.0	17.2	36.7	48.9							
G91.0	18.3	38.6	47.7							
G92.0	18.9	39.8	47.6							
G93.0	19.0	40.8	57.8							
G94.0	19.3	41.2	68.7							
G95.0	20.4	41.7	74.2							
G96.0	20.4	41.9	76.6							
G97.0	20.4	42.5	82.5							
G98.0	20.8	43.3	82.6							
G99.0	21.3	43.8	82.3							
G100.0	21.7	43.7	86.4							
G101.0	22.0	45.0	83.9							
G102.0	22.4	46.6	85.5							
G103.0	22.8	48.0	87.4							
G104.0	23.0	47.2	85.1							
G105.0	23.3	50.3	83.5							
G106.0	23.5	52.5	81.2							
G107.0	23.6	49.8	77.7							
G108.0	25.6	51.3	76.4							
G109.0	25.6	49.6	74.5							
G110.0	26.1	49.9	71.9							

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.580 m
 Humidity: 88
 Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	25.6	50.5	70.8							
G112.0	25.9	48.8	69.7							
G113.0	27.0	49.4	68.5							
G114.0	29.2	48.7	66.6							
G115.0	27.5	49.0	64.2							
G116.0	28.8	47.9	61.8							
G117.0	27.7	47.4	60.6							
G118.0	28.2	46.7	59.9							
G119.0	27.4	46.4	58.3							
G120.0	28.0	45.7	56.4							
G121.0	28.6	45.0	56.3							
G122.0	28.3	44.8	55.8							
G123.0	27.8	44.9	54.6							
G124.0	29.2	44.3	54.0							
G125.0	28.7	43.3	52.4							
G126.0	29.0	43.2	51.9							
G127.0	29.3	42.7	51.6							
G128.0	29.9	42.4	51.3							
G129.0	29.8	42.3	50.5							
G130.0	28.8	42.6	49.5							
G131.0	28.7	43.3	48.9							
G132.0	29.1	43.4	48.2							
G133.0	29.2	43.1	48.0							
G134.0	29.2	42.1	47.8							
G135.0	29.3	41.3	47.5							
G136.0	29.4	40.8	47.2							
G137.0	29.5	40.2	46.9							
G138.0	30.0	40.1	46.2							
G139.0	29.9	40.3	45.6							
G140.0	29.7	40.6	44.6							
G141.0	29.9	40.6	43.9							
G142.0	30.2	40.2	43.6							
G143.0	30.5	39.6	43.5							
G144.0	30.6	39.1	43.3							
G145.0	30.7	38.7	43.1							
G146.0	30.8	38.4	42.9							
G147.0	31.0	38.4	42.6							

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.580 m
 Humidity: 88
 Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	31.1	38.7	42.3							
G149.0	31.4	38.3	42.0							
G150.0	31.6	37.2	41.3							
G151.0	31.5	36.8	40.6							
G152.0	31.4	36.6	39.7							
G153.0	31.4	36.4	39.0							
G154.0	31.0	36.2	38.8							
G155.0	30.9	36.1	38.6							
G156.0	31.0	36.1	38.5							
G157.0	30.9	36.1	38.3							
G158.0	30.7	35.9	38.1							
G159.0	30.4	35.8	37.9							
G160.0	30.4	35.6	37.6							
G161.0	30.5	35.5	37.4							
G162.0	30.5	35.4	37.0							
G163.0	30.4	35.0	36.8							
G164.0	30.4	34.0	36.5							
G165.0	30.4	32.8	36.3							
G166.0	30.4	32.1	35.7							
G167.0	30.5	31.9	34.5							
G168.0	30.4	31.8	33.2							
G169.0	30.4	31.6	32.8							
G170.0	30.3	31.5	32.5							
G171.0	30.1	31.4	32.3							
G172.0	29.9	31.2	32.1							
G173.0	29.6	31.0	31.9							
G174.0	29.4	30.7	31.7							
G175.0	29.1	30.3	31.4							
G176.0	28.9	29.7	31.1							
G177.0	28.6	29.3	30.5							
G178.0	28.4	28.9	29.9							
G179.0	28.3	28.4	29.3							
G180.0	28.0	28.1	28.8							

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1600L
 Distance: 8.580 m
 Humidity: 88
 Inspector: