

Report No.: TH-1309A

Test Time: 2020/6/9 14:18

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: 50W-3000K

Current: 0.223 A

Power Factor: 0.963

Voltage: 230.0 V

Power: 49.92 W

Photometric Results

CIE Class: Direct

Measurement Flux: 7850.95 lm

Downward Ratio: 99%

Horizontal Diffuse Angle(50%): H85.8

Vertical Diffuse Angle(50%): V84.3

Luminaire Efficacy Rating (LER): 157.27

Max. Intensity: 3613.8 cd

S/MH(C0/C180): 1.01

Total Rated Lamp Lumens: 7850.95 lm

Efficiency: 100%

Upward Ratio: 1%

Central Intensity: 3611.57 cd

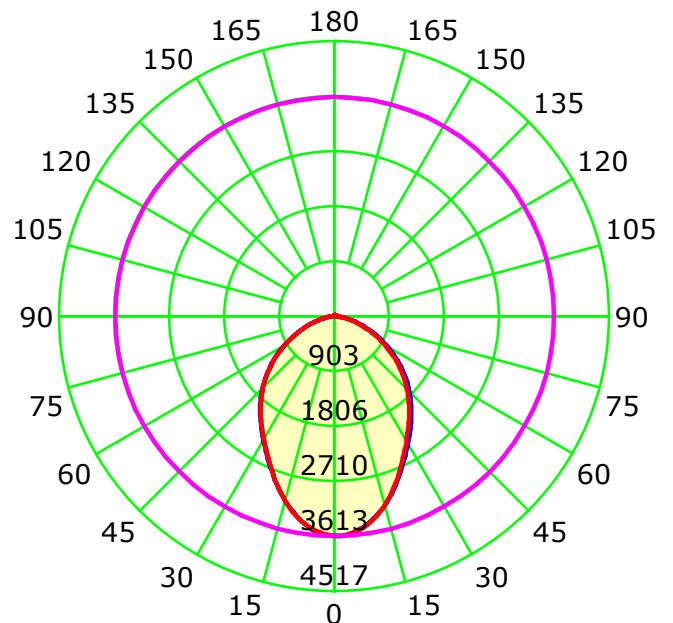
Pos of Max. Intensity: H90 V1

S/MH(C90/C270): 1.00

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 85.0°

— C0-C180 — C90-C270 — G1

C Plane (°):0.0-360.0: 90.0

Test Lab: Inventfine instruments

Test Type: TYPE C

Temperature: 26

Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0

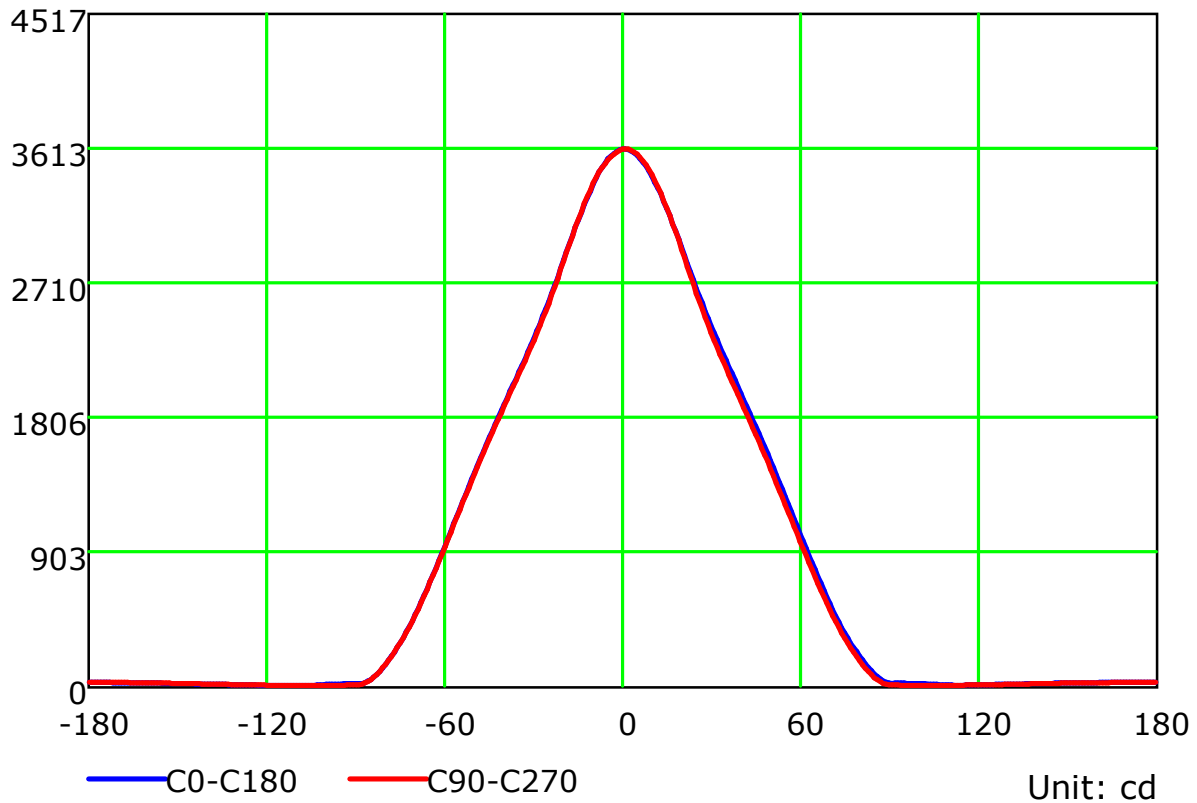
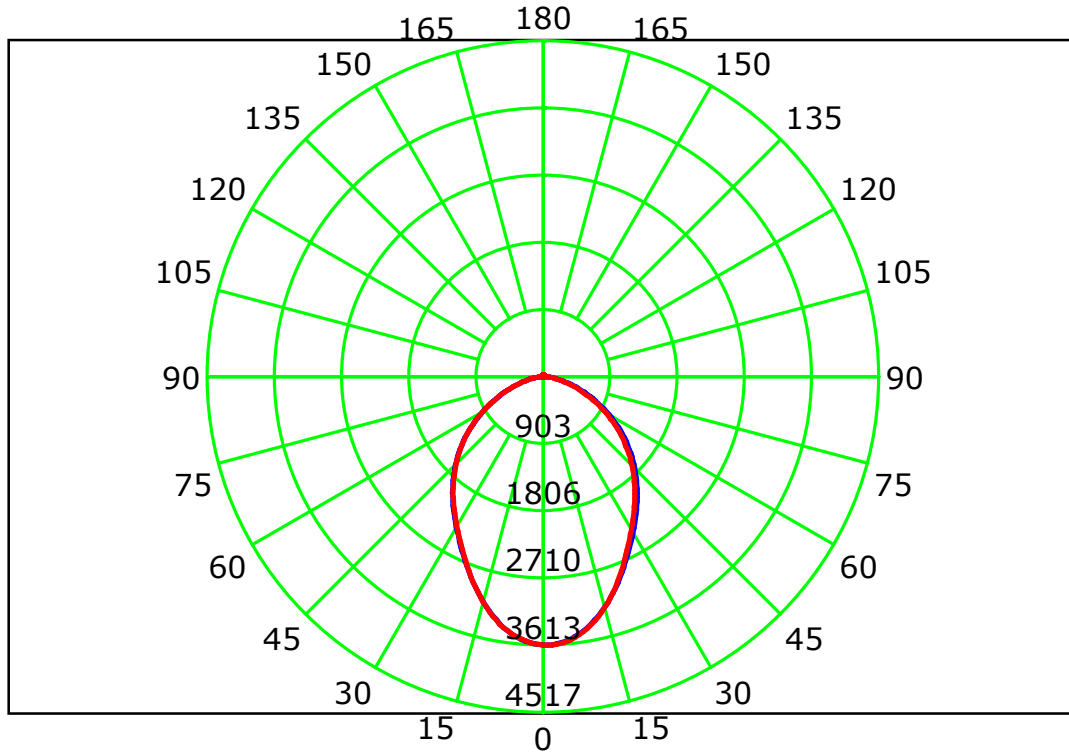
Test Device: GPM-1800B

Distance: 8.598 m

Humidity: 65

Inspector:

Luminous Intensity Distribution Curve



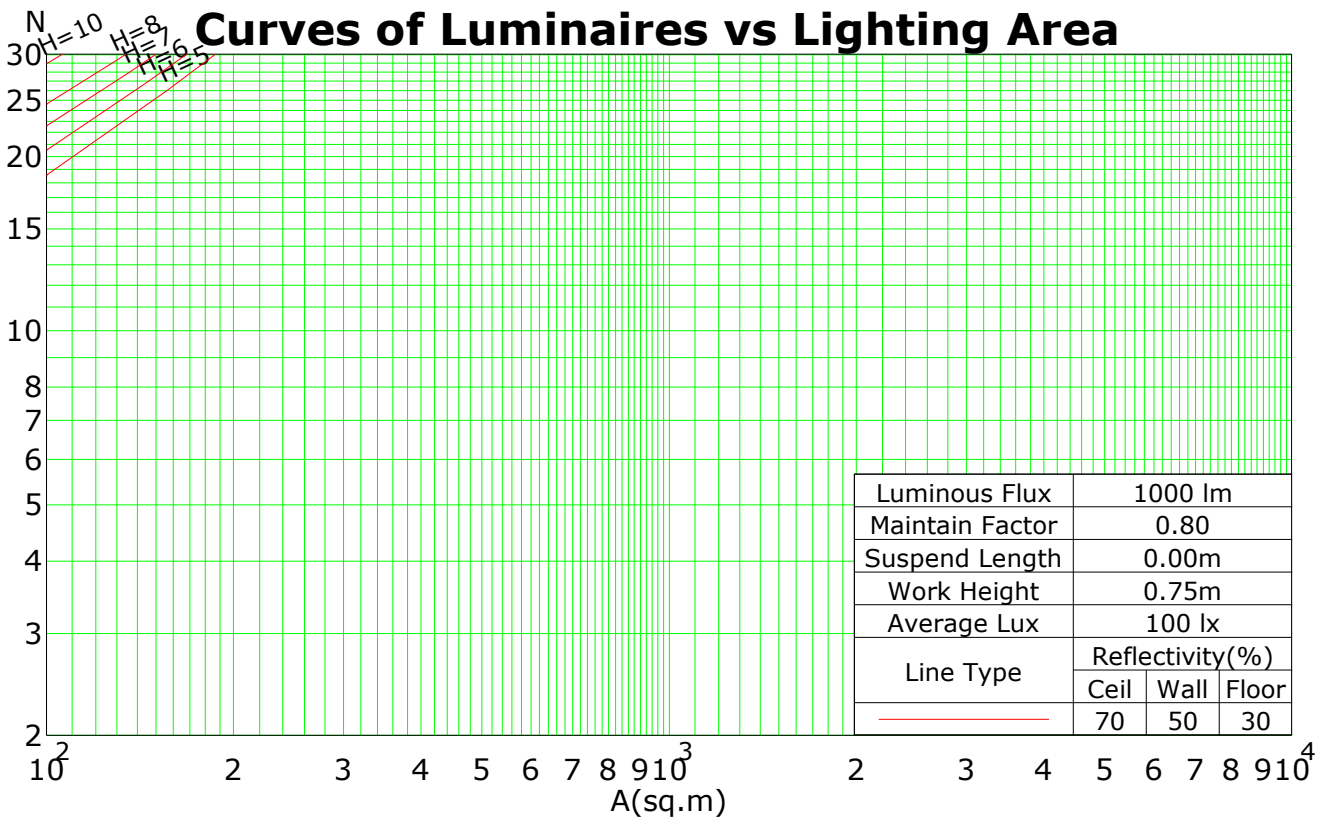
C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
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Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.598 m
Humidity: 65
Inspector:

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	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101	99
1	110	105	101	98	107	103	99	96	98	96	93	94	92	90	91	89	87	85
2	100	93	87	81	98	91	85	80	87	82	78	84	80	76	81	77	75	72
3	92	82	75	69	90	81	74	68	78	72	67	75	70	66	72	68	64	62
4	85	74	65	59	83	72	65	59	70	63	58	67	62	57	65	60	56	54
5	78	66	58	52	76	65	57	51	63	56	51	61	55	50	59	54	49	47
6	73	60	52	46	71	59	51	45	57	50	45	55	49	44	54	48	44	42
7	68	55	46	41	66	54	46	40	52	45	40	51	44	40	49	44	39	37
8	63	50	42	37	62	50	42	36	48	41	36	47	40	36	46	40	36	34
9	59	46	38	33	58	46	38	33	45	38	33	43	37	33	42	37	32	31
10	56	43	35	30	54	42	35	30	41	35	30	40	34	30	39	34	30	28

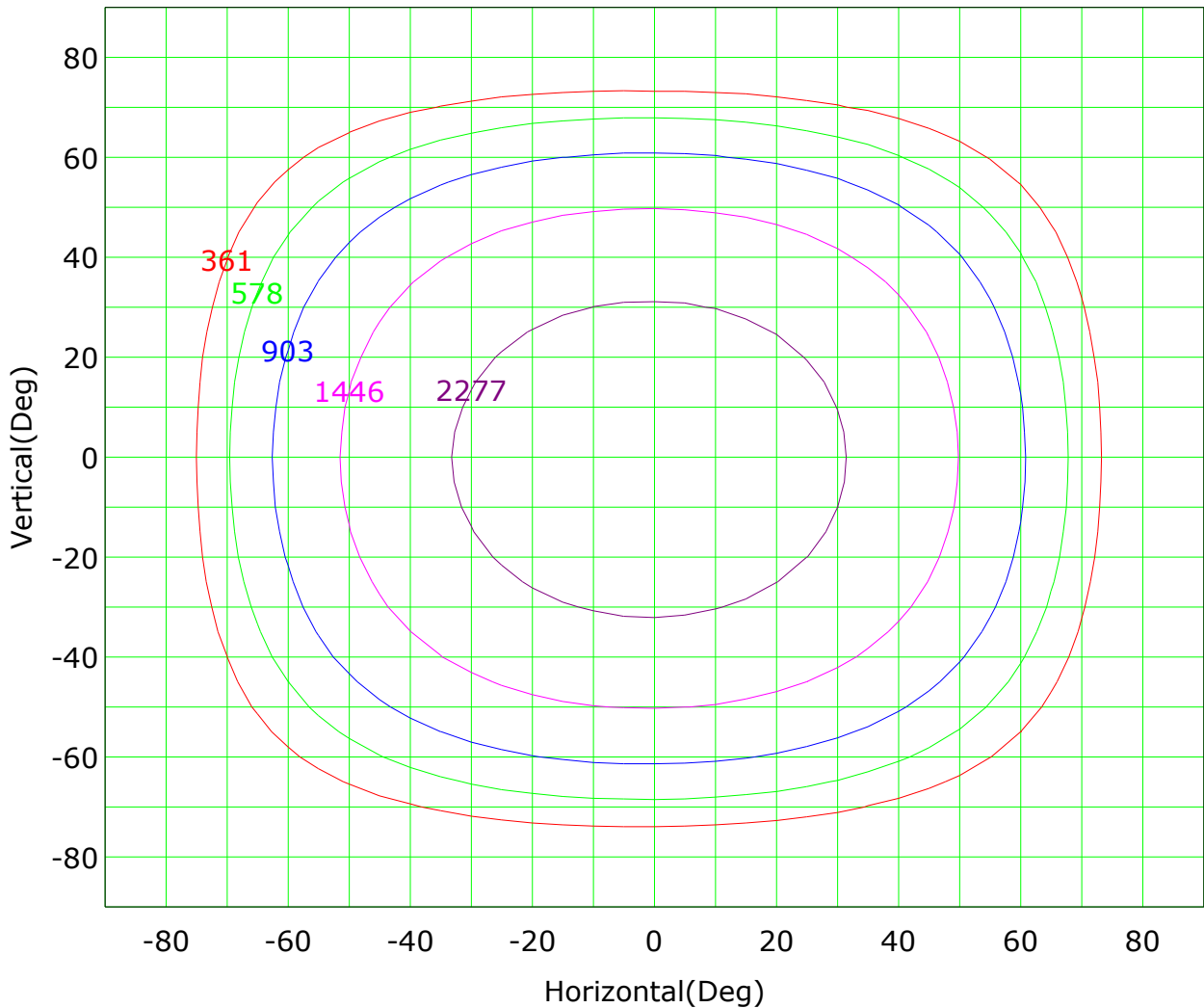
Spacing Criteria (0-180): 1.01
 Spacing Criteria (90-270): 1.00
 Spacing Criteria (Diagonal): 1.16



C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instruments
 Test Type: TYPE C
 Temperature: 26
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Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.598 m
 Humidity: 65
 Inspector:

Isocandela (rectangle)



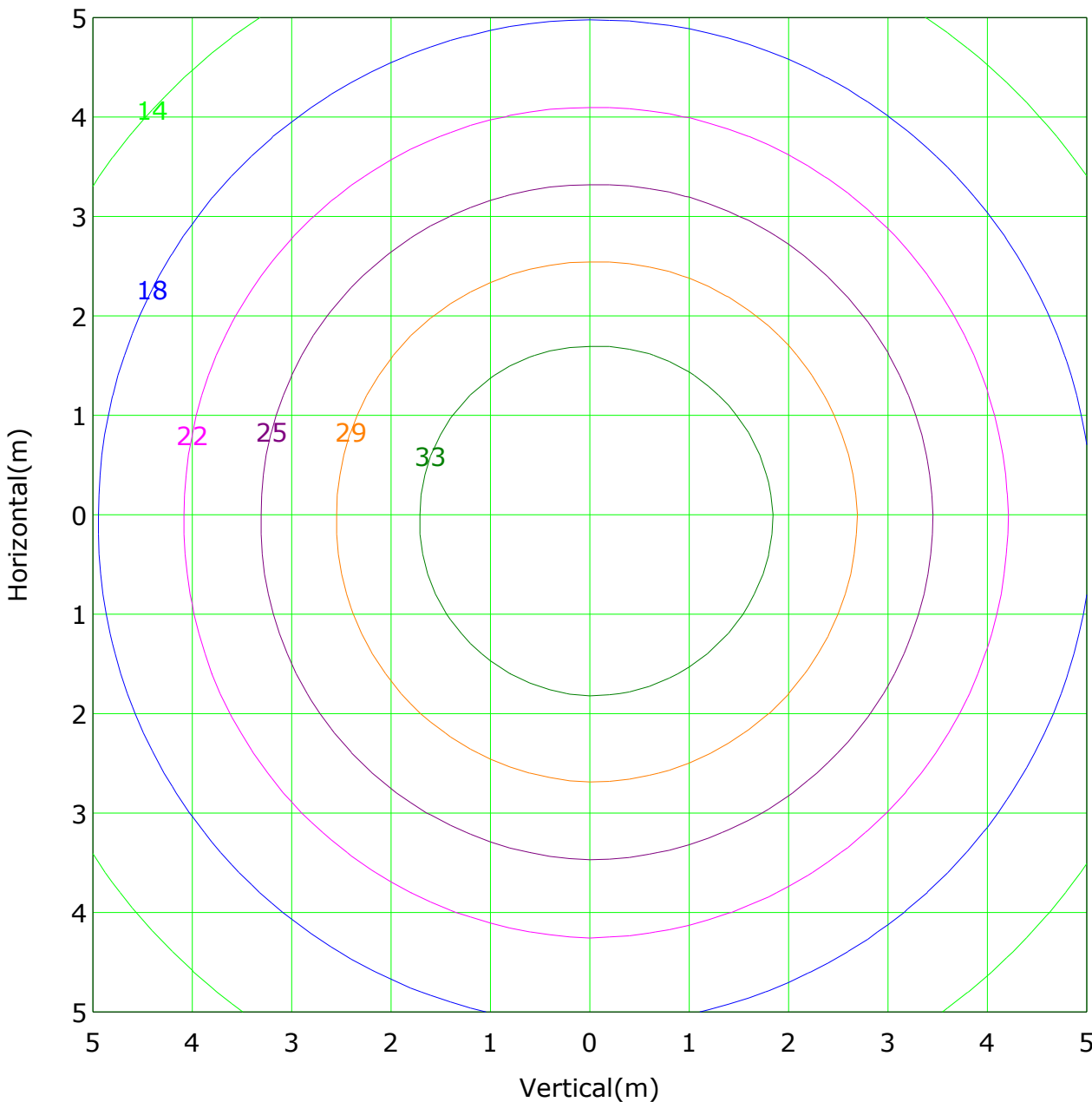
Imax (100%): 3614 cd

— (10%): 361 cd	— (16%): 578 cd
— (25%): 903 cd	— (40%): 1446 cd
— (63%): 2277 cd	— (100%): 3614 cd

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.598 m
Humidity: 65
Inspector:

IsoLux Plot



Mounting Height: 10.0m		Max Lux(100%): 36.1 lx	
<ul style="list-style-type: none"> — (30%): 10.8 lx — (50%): 18.1 lx — (70%): 25.3 lx — (90%): 32.5 lx — (120%): 43.3 lx 	<ul style="list-style-type: none"> — (40%): 14.4 lx — (60%): 21.7 lx — (80%): 28.9 lx — (100%): 36.1 lx — (150%): 54.2 lx 		

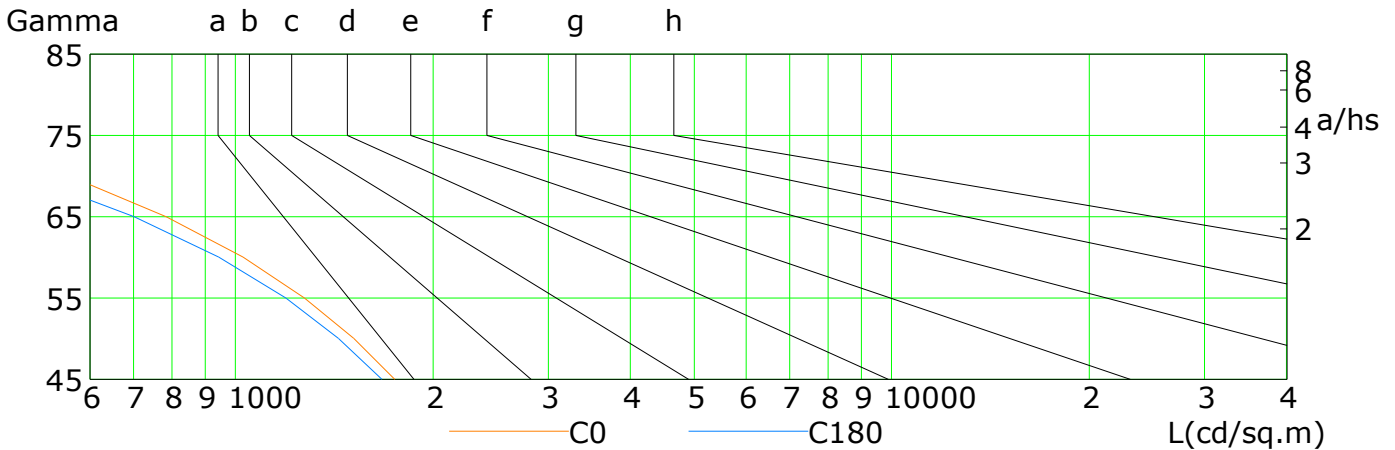
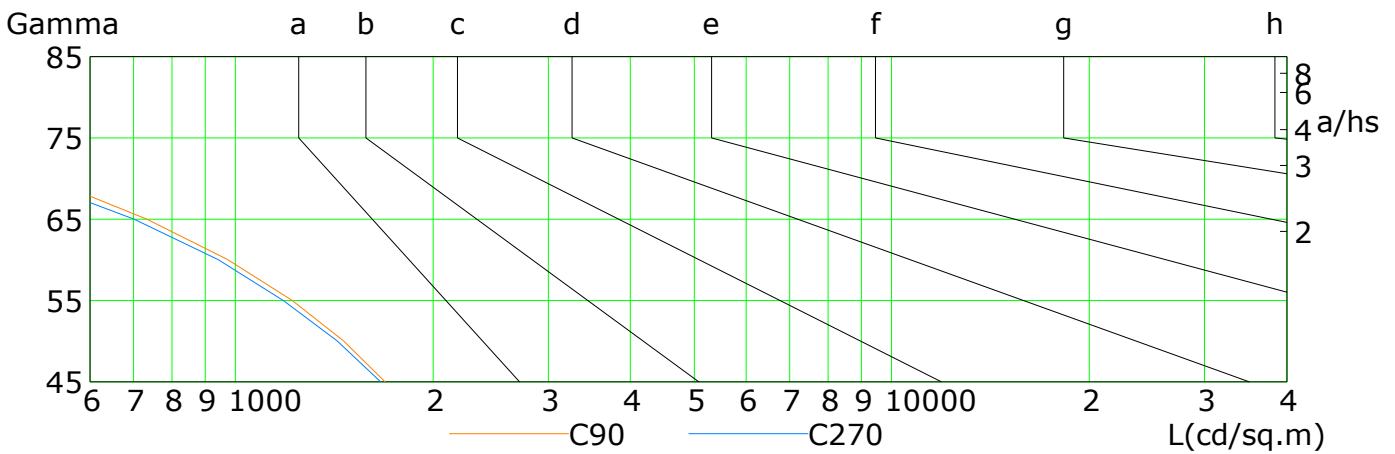
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 Test Lab: Inventfine instruments
 Test Type: TYPE C
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Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.598 m
 Humidity: 65
 Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h

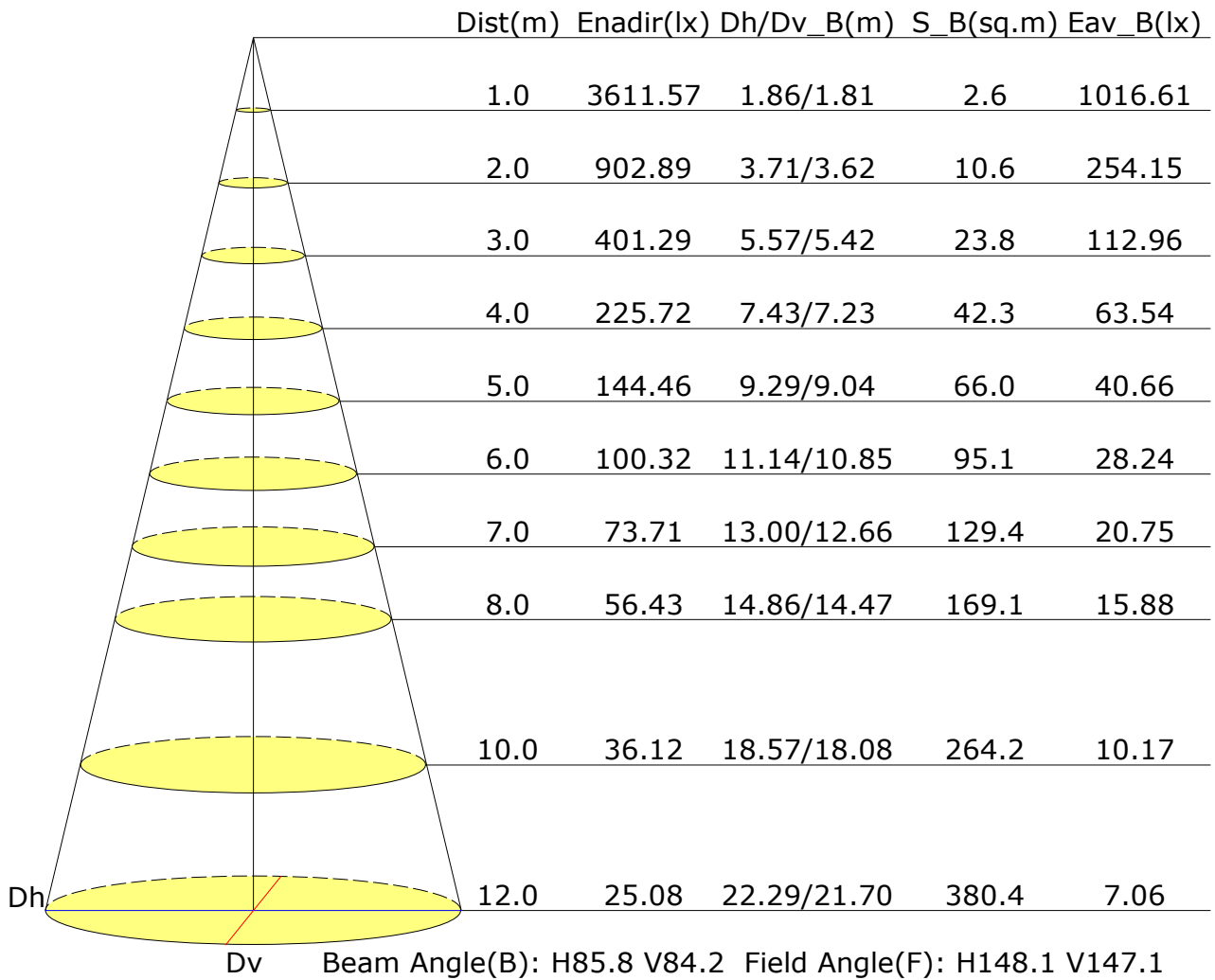


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1749	1516	1274	1027	785	557	359	206	86
C90	1693	1460	1221	975	734	514	323	173	59
C180	1674	1437	1195	943	702	484	295	148	47
C270	1664	1429	1185	941	702	480	295	150	46

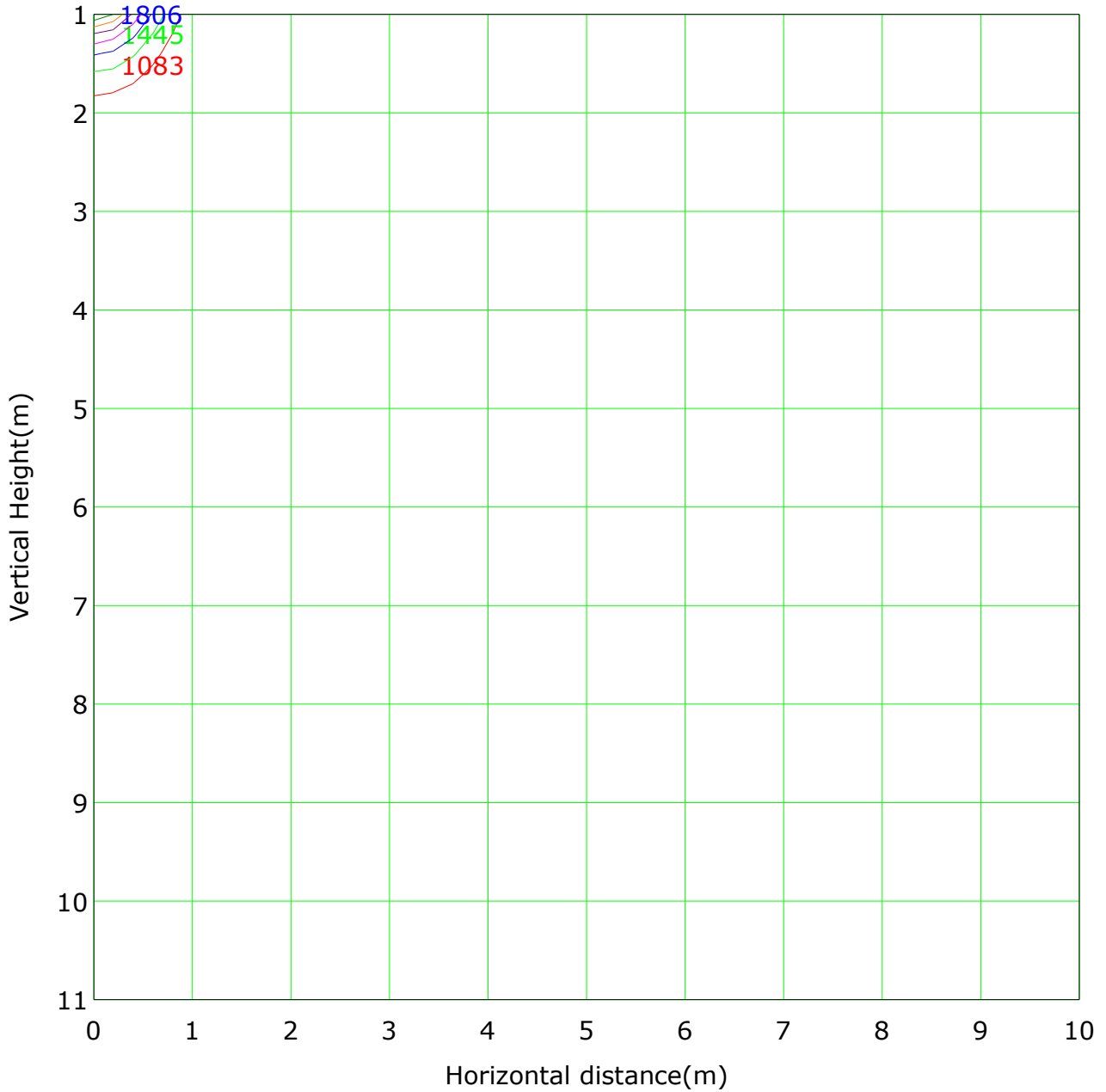
C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.598 m
Humidity: 65
Inspector:

Illuminance at a Distance



Vertical IsoLux Plot

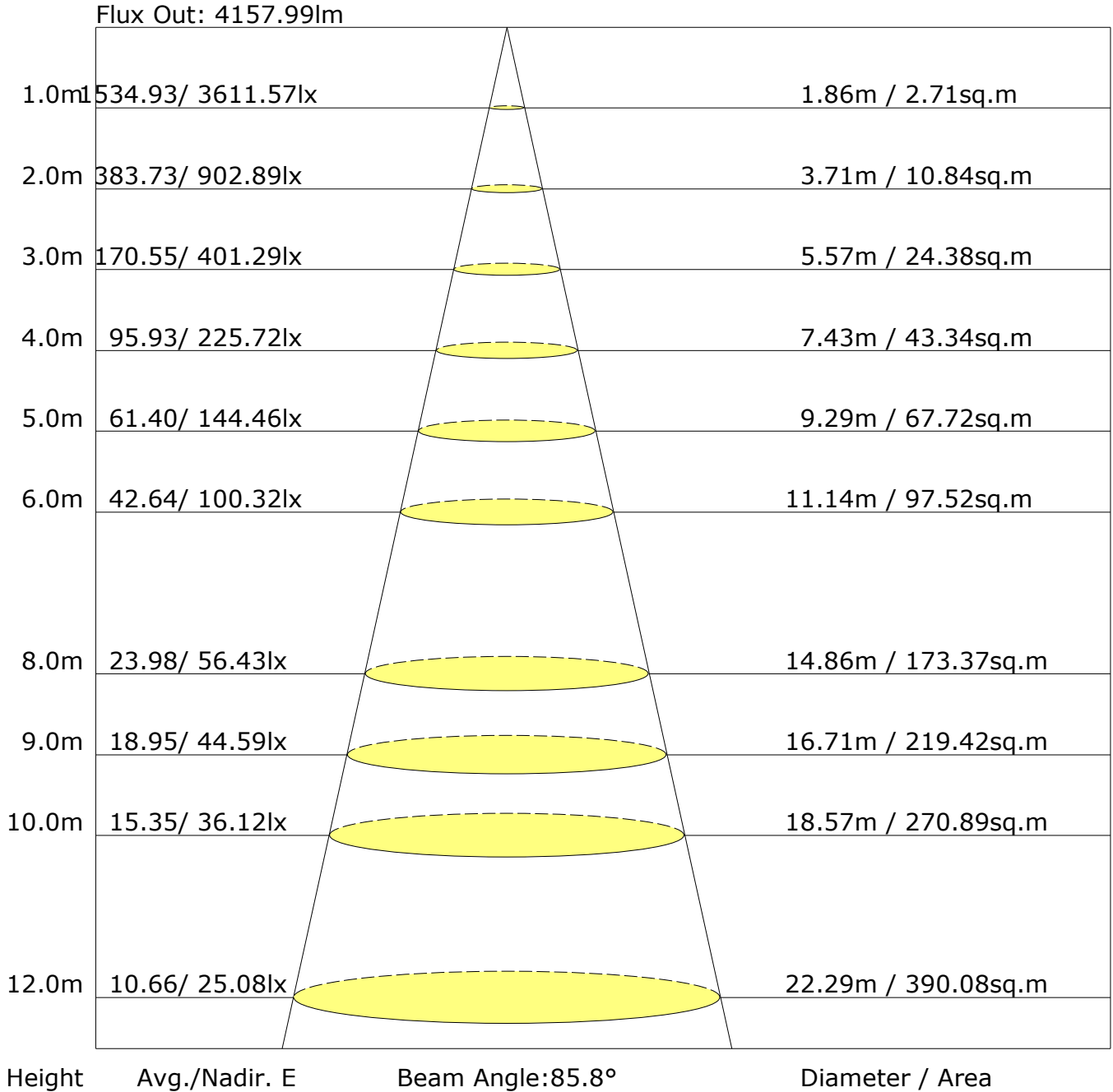


Lowest(m): 1.0m		Highest(m): 11.0m		Max Lux: 3611.6 lx	
— (30%):1083.5 lx		— (40%):1444.6 lx			
— (50%):1805.8 lx		— (60%):2166.9 lx			
— (70%):2528.1 lx		— (80%):2889.3 lx			
— (90%):3250.4 lx		— (100%):3611.6 lx			
— (120%):4333.9 lx		— (150%):5417.4 lx			

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Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.598 m
Humidity: 65
Inspector:

The Average Illuminance Effective Figure



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	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=4H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=8H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=12H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
Variations with the observer position at spacings:										
S=1.0H	-1.\$/-1.\$					-1.\$/-1.\$				
S=1.5H	-1.\$/-1.\$					-1.\$/-1.\$				
S=2.0H	-1.\$/-1.\$					-1.\$/-1.\$				

Calculate in accordance with CIE Pub.117. The table is revised with 7394lm ($8\log(F/F_0) = 7.0$).

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	3610.2	3.5	3.5	0.05	0.05
1.0-2.0	3605.0	10.3	13.8	0.14	0.19
2.0-3.0	3595.7	17.2	31.0	0.23	0.42
3.0-4.0	3582.5	24.0	55.0	0.32	0.74
4.0-5.0	3566.2	30.7	85.7	0.41	1.16
5.0-6.0	3546.1	37.3	122.9	0.50	1.66
6.0-7.0	3520.9	43.7	166.6	0.59	2.25
7.0-8.0	3492.6	50.0	216.6	0.68	2.93
8.0-9.0	3461.5	56.1	272.7	0.76	3.69
9.0-10.0	3425.2	62.0	334.7	0.84	4.53
10.0-11.0	3384.6	67.6	402.4	0.91	5.44
11.0-12.0	3342.3	73.1	475.5	0.99	6.43
12.0-13.0	3298.6	78.3	553.7	1.06	7.49
13.0-14.0	3250.4	83.2	637.0	1.13	8.61
14.0-15.0	3199.9	87.9	724.8	1.19	9.80
15.0-16.0	3149.8	92.3	817.1	1.25	11.05
16.0-17.0	3096.5	96.4	913.6	1.30	12.36
17.0-18.0	3041.9	100.3	1013.9	1.36	13.71
18.0-19.0	2987.8	104.0	1117.8	1.41	15.12
19.0-20.0	2932.3	107.3	1225.2	1.45	16.57
20.0-21.0	2874.9	110.4	1335.6	1.49	18.06
21.0-22.0	2816.6	113.2	1448.8	1.53	19.59
22.0-23.0	2758.9	115.8	1564.6	1.57	21.16
23.0-24.0	2702.6	118.2	1682.7	1.60	22.76
24.0-25.0	2646.8	120.4	1803.1	1.63	24.39
25.0-26.0	2592.8	122.4	1925.5	1.66	26.04
26.0-27.0	2541.6	124.4	2049.9	1.68	27.72
27.0-28.0	2490.5	126.1	2176.0	1.71	29.43
28.0-29.0	2439.9	127.7	2303.6	1.73	31.16
29.0-30.0	2391.2	129.1	2432.8	1.75	32.90
30.0-31.0	2343.1	130.4	2563.2	1.76	34.67
31.0-32.0	2296.1	131.6	2694.7	1.78	36.44
32.0-33.0	2249.5	132.5	2827.3	1.79	38.24
33.0-34.0	2203.5	133.4	2960.7	1.80	40.04
34.0-35.0	2159.4	134.1	3094.8	1.81	41.86
35.0-36.0	2114.9	134.7	3229.5	1.82	43.68

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.598 m
Humidity: 65
Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	2070.3	135.0	3364.5	1.83	45.50
37.0-38.0	2026.6	135.3	3499.8	1.83	47.33
38.0-39.0	1982.8	135.4	3635.2	1.83	49.16
39.0-40.0	1938.8	135.2	3770.4	1.83	50.99
40.0-41.0	1894.9	135.0	3905.3	1.83	52.82
41.0-42.0	1851.7	134.5	4039.9	1.82	54.64
42.0-43.0	1806.7	133.8	4173.7	1.81	56.45
43.0-44.0	1761.7	133.0	4306.7	1.80	58.25
44.0-45.0	1717.6	132.0	4438.8	1.79	60.03
45.0-46.0	1671.3	130.7	4569.5	1.77	61.80
46.0-47.0	1624.8	129.2	4698.7	1.75	63.55
47.0-48.0	1579.6	127.7	4826.4	1.73	65.27
48.0-49.0	1532.8	125.9	4952.3	1.70	66.98
49.0-50.0	1484.6	123.8	5076.1	1.67	68.65
50.0-51.0	1437.0	121.6	5197.7	1.64	70.30
51.0-52.0	1389.7	119.3	5317.0	1.61	71.91
52.0-53.0	1340.7	116.6	5433.6	1.58	73.49
53.0-54.0	1291.4	113.8	5547.4	1.54	75.03
54.0-55.0	1243.1	111.0	5658.4	1.50	76.53
55.0-56.0	1193.5	107.9	5766.3	1.46	77.99
56.0-57.0	1143.6	104.6	5870.9	1.41	79.40
57.0-58.0	1094.2	101.2	5972.1	1.37	80.77
58.0-59.0	1045.1	97.7	6069.8	1.32	82.09
59.0-60.0	995.9	94.1	6163.9	1.27	83.36
60.0-61.0	947.0	90.4	6254.3	1.22	84.59
61.0-62.0	898.1	86.6	6340.8	1.17	85.76
62.0-63.0	849.3	82.6	6423.4	1.12	86.87
63.0-64.0	801.8	78.7	6502.1	1.06	87.94
64.0-65.0	754.6	74.7	6576.8	1.01	88.95
65.0-66.0	707.5	70.6	6647.4	0.95	89.90
66.0-67.0	662.4	66.6	6714.0	0.90	90.80
67.0-68.0	617.0	62.5	6776.5	0.85	91.65
68.0-69.0	572.4	58.4	6834.9	0.79	92.44
69.0-70.0	530.0	54.4	6889.4	0.74	93.18
70.0-71.0	488.2	50.5	6939.8	0.68	93.86
71.0-72.0	447.2	46.5	6986.3	0.63	94.49

C Plane (°):0.0-360.0: 90.0
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Temperature: 26
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.598 m
Humidity: 65
Inspector:

Zonal Lumen (Continue 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	408.3	42.7	7029.0	0.58	95.06
73.0-74.0	371.6	39.1	7068.1	0.53	95.59
74.0-75.0	335.8	35.5	7103.6	0.48	96.07
75.0-76.0	302.0	32.1	7135.7	0.43	96.51
76.0-77.0	269.7	28.8	7164.4	0.39	96.89
77.0-78.0	238.8	25.6	7190.0	0.35	97.24
78.0-79.0	210.0	22.6	7212.6	0.31	97.55
79.0-80.0	182.7	19.7	7232.2	0.27	97.81
80.0-81.0	156.6	16.9	7249.2	0.23	98.04
81.0-82.0	131.5	14.3	7263.4	0.19	98.23
82.0-83.0	108.3	11.8	7275.2	0.16	98.39
83.0-84.0	87.4	9.5	7284.7	0.13	98.52
84.0-85.0	68.6	7.5	7292.2	0.10	98.62
85.0-86.0	52.0	5.7	7297.9	0.08	98.70
86.0-87.0	38.1	4.2	7302.1	0.06	98.76
87.0-88.0	27.5	3.0	7305.1	0.04	98.80
88.0-89.0	20.7	2.3	7307.4	0.03	98.83
89.0-90.0	17.2	1.9	7309.3	0.03	98.85
90.0-91.0	15.8	1.7	7311.0	0.02	98.88
91.0-92.0	15.4	1.7	7312.7	0.02	98.90
92.0-93.0	15.2	1.7	7314.3	0.02	98.92
93.0-94.0	14.5	1.6	7315.9	0.02	98.94
94.0-95.0	13.8	1.5	7317.4	0.02	98.96
95.0-96.0	13.0	1.4	7318.9	0.02	98.98
96.0-97.0	12.3	1.3	7320.2	0.02	99.00
97.0-98.0	11.9	1.3	7321.5	0.02	99.02
98.0-99.0	11.7	1.3	7322.8	0.02	99.04
99.0-100.0	11.3	1.2	7324.0	0.02	99.05
100.0-101.0	10.9	1.2	7325.2	0.02	99.07
101.0-102.0	10.5	1.1	7326.3	0.02	99.08
102.0-103.0	10.0	1.1	7327.4	0.01	99.10
103.0-104.0	9.4	1.0	7328.4	0.01	99.11
104.0-105.0	8.8	0.9	7329.3	0.01	99.12
105.0-106.0	8.2	0.9	7330.1	0.01	99.14
106.0-107.0	7.5	0.8	7330.9	0.01	99.15
107.0-108.0	7.0	0.7	7331.7	0.01	99.16

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.598 m
Humidity: 65
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	6.8	0.7	7332.4	0.01	99.17
109.0-110.0	6.6	0.7	7333.1	0.01	99.18
110.0-111.0	6.5	0.7	7333.7	0.01	99.18
111.0-112.0	6.5	0.7	7334.4	0.01	99.19
112.0-113.0	6.6	0.7	7335.1	0.01	99.20
113.0-114.0	6.8	0.7	7335.7	0.01	99.21
114.0-115.0	7.1	0.7	7336.4	0.01	99.22
115.0-116.0	7.5	0.7	7337.2	0.01	99.23
116.0-117.0	7.9	0.8	7338.0	0.01	99.24
117.0-118.0	8.1	0.8	7338.8	0.01	99.25
118.0-119.0	8.4	0.8	7339.6	0.01	99.26
119.0-120.0	8.8	0.8	7340.4	0.01	99.27
120.0-121.0	9.2	0.9	7341.3	0.01	99.29
121.0-122.0	9.6	0.9	7342.2	0.01	99.30
122.0-123.0	10.0	0.9	7343.1	0.01	99.31
123.0-124.0	10.4	1.0	7344.0	0.01	99.32
124.0-125.0	10.8	1.0	7345.0	0.01	99.34
125.0-126.0	11.1	1.0	7346.0	0.01	99.35
126.0-127.0	11.4	1.0	7347.0	0.01	99.36
127.0-128.0	11.8	1.0	7348.0	0.01	99.38
128.0-129.0	12.2	1.0	7349.1	0.01	99.39
129.0-130.0	12.6	1.1	7350.1	0.01	99.41
130.0-131.0	13.0	1.1	7351.2	0.01	99.42
131.0-132.0	13.4	1.1	7352.3	0.01	99.44
132.0-133.0	13.7	1.1	7353.4	0.02	99.45
133.0-134.0	14.3	1.1	7354.6	0.02	99.47
134.0-135.0	14.9	1.2	7355.7	0.02	99.48
135.0-136.0	15.3	1.2	7356.9	0.02	99.50
136.0-137.0	15.7	1.2	7358.1	0.02	99.51
137.0-138.0	16.1	1.2	7359.3	0.02	99.53
138.0-139.0	16.5	1.2	7360.5	0.02	99.55
139.0-140.0	16.9	1.2	7361.7	0.02	99.56
140.0-141.0	17.3	1.2	7362.9	0.02	99.58
141.0-142.0	17.7	1.2	7364.1	0.02	99.60
142.0-143.0	18.2	1.2	7365.3	0.02	99.61
143.0-144.0	18.6	1.2	7366.5	0.02	99.63

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.598 m
Humidity: 65
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	19.0	1.2	7367.7	0.02	99.64
145.0-146.0	19.4	1.2	7368.9	0.02	99.66
146.0-147.0	19.8	1.2	7370.1	0.02	99.68
147.0-148.0	20.2	1.2	7371.3	0.02	99.69
148.0-149.0	20.7	1.2	7372.5	0.02	99.71
149.0-150.0	21.0	1.2	7373.7	0.02	99.73
150.0-151.0	21.3	1.2	7374.8	0.02	99.74
151.0-152.0	21.7	1.1	7376.0	0.02	99.76
152.0-153.0	22.1	1.1	7377.1	0.02	99.77
153.0-154.0	22.5	1.1	7378.2	0.01	99.79
154.0-155.0	22.8	1.1	7379.3	0.01	99.80
155.0-156.0	23.1	1.0	7380.3	0.01	99.81
156.0-157.0	23.3	1.0	7381.3	0.01	99.83
157.0-158.0	23.7	1.0	7382.3	0.01	99.84
158.0-159.0	24.0	1.0	7383.3	0.01	99.86
159.0-160.0	24.3	0.9	7384.2	0.01	99.87
160.0-161.0	24.5	0.9	7385.1	0.01	99.88
161.0-162.0	24.8	0.9	7386.0	0.01	99.89
162.0-163.0	25.1	0.8	7386.8	0.01	99.90
163.0-164.0	25.2	0.8	7387.6	0.01	99.91
164.0-165.0	25.3	0.7	7388.3	0.01	99.92
165.0-166.0	25.7	0.7	7389.1	0.01	99.93
166.0-167.0	26.0	0.7	7389.7	0.01	99.94
167.0-168.0	26.2	0.6	7390.3	0.01	99.95
168.0-169.0	26.4	0.6	7390.9	0.01	99.96
169.0-170.0	26.6	0.5	7391.4	0.01	99.97
170.0-171.0	26.7	0.5	7391.9	0.01	99.97
171.0-172.0	26.7	0.4	7392.4	0.01	99.98
172.0-173.0	26.9	0.4	7392.7	0.01	99.98
173.0-174.0	27.0	0.3	7393.1	0.00	99.99
174.0-175.0	27.2	0.3	7393.4	0.00	99.99
175.0-176.0	27.4	0.2	7393.6	0.00	99.99
176.0-177.0	27.4	0.2	7393.8	0.00	100.00
177.0-178.0	27.3	0.1	7393.9	0.00	100.00
178.0-179.0	27.4	0.1	7394.0	0.00	100.00
179.0-180.0	27.4	0.0	7394.0	0.00	100.00

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.598 m
Humidity: 65
Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	3611.6	3611.6	3611.6	3611.6	3611.6					
G1.0	3613.0	3613.8	3605.5	3602.7	3613.0					
G2.0	3608.1	3610.2	3595.0	3591.8	3608.1					
G3.0	3599.6	3601.8	3581.9	3577.0	3599.6					
G4.0	3584.7	3590.7	3565.9	3558.3	3584.7					
G5.0	3569.0	3576.3	3546.6	3538.3	3569.0					
G6.0	3548.7	3556.2	3519.0	3514.8	3548.7					
G7.0	3522.5	3531.2	3488.6	3486.2	3522.5					
G8.0	3495.7	3505.1	3454.9	3456.6	3495.7					
G9.0	3465.3	3474.8	3417.2	3422.7	3465.3					
G10.0	3427.8	3437.5	3373.4	3383.3	3427.8					
G11.0	3389.7	3399.6	3329.2	3336.5	3389.7					
G12.0	3350.0	3358.3	3283.8	3291.5	3350.0					
G13.0	3308.4	3315.4	3237.1	3244.3	3308.4					
G14.0	3259.9	3264.3	3185.2	3188.7	3259.9					
G15.0	3212.9	3214.7	3135.5	3137.9	3212.9					
G16.0	3164.6	3162.6	3085.3	3084.8	3164.6					
G17.0	3110.1	3109.1	3029.5	3025.8	3110.1					
G18.0	3060.0	3054.7	2975.6	2970.5	3060.0					
G19.0	3006.5	2999.6	2921.1	2914.8	3006.5					
G20.0	2954.0	2937.6	2866.1	2858.8	2954.0					
G21.0	2893.7	2879.5	2808.3	2801.2	2893.7					
G22.0	2840.5	2822.2	2747.7	2739.5	2840.5					
G23.0	2786.3	2758.7	2693.5	2683.1	2786.3					
G24.0	2727.9	2702.0	2640.4	2629.3	2727.9					
G25.0	2675.6	2640.0	2588.4	2571.2	2675.6					
G26.0	2624.1	2585.6	2537.6	2520.2	2624.1					
G27.0	2574.0	2532.2	2487.9	2470.8	2574.0					
G28.0	2520.5	2480.0	2435.0	2423.4	2520.5					
G29.0	2471.9	2427.9	2388.3	2372.0	2471.9					
G30.0	2424.4	2378.4	2341.4	2325.0	2424.4					
G31.0	2375.0	2325.1	2295.5	2280.3	2375.0					
G32.0	2330.8	2279.3	2246.8	2235.8	2330.8					
G33.0	2283.3	2230.4	2202.7	2187.1	2283.3					
G34.0	2236.5	2185.6	2159.0	2143.3	2236.5					
G35.0	2193.4	2141.4	2115.5	2100.7	2193.4					
G36.0	2146.4	2094.0	2068.9	2058.7	2146.4					

C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.598 m
 Humidity: 65
 Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G37.0	2104.7	2047.2	2026.6	2016.2	2104.7					
G38.0	2058.1	2004.6	1984.9	1970.8	2058.1					
G39.0	2015.8	1961.8	1938.6	1928.0	2015.8					
G40.0	1969.2	1915.2	1896.1	1885.8	1969.2					
G41.0	1926.5	1873.0	1854.3	1839.5	1926.5					
G42.0	1883.7	1830.6	1810.3	1795.6	1883.7					
G43.0	1835.6	1782.6	1762.6	1752.2	1835.6					
G44.0	1792.7	1740.9	1718.4	1708.8	1792.7					
G45.0	1749.3	1693.1	1673.9	1664.1	1749.3					
G46.0	1700.8	1648.9	1625.0	1615.2	1700.8					
G47.0	1657.3	1600.7	1579.3	1570.9	1657.3					
G48.0	1612.6	1555.9	1534.3	1525.9	1612.6					
G49.0	1563.1	1511.0	1483.6	1475.6	1563.1					
G50.0	1516.3	1460.2	1437.2	1429.5	1516.3					
G51.0	1469.8	1414.0	1390.6	1378.3	1469.8					
G52.0	1422.5	1367.0	1343.2	1332.1	1422.5					
G53.0	1370.3	1315.5	1290.5	1284.6	1370.3					
G54.0	1322.2	1268.5	1242.8	1236.9	1322.2					
G55.0	1274.1	1221.1	1194.7	1184.7	1274.1					
G56.0	1225.9	1169.1	1141.4	1137.0	1225.9					
G57.0	1172.5	1121.6	1092.9	1088.2	1172.5					
G58.0	1124.1	1073.8	1044.8	1035.8	1124.1					
G59.0	1075.6	1026.5	991.8	988.4	1075.6					
G60.0	1027.2	974.5	942.8	940.6	1027.2					
G61.0	979.3	927.3	895.5	889.0	979.3					
G62.0	926.2	880.1	844.7	842.9	926.2					
G63.0	878.4	832.5	797.8	792.0	878.4					
G64.0	831.3	784.9	751.7	746.3	831.3					
G65.0	784.5	734.2	702.1	701.5	784.5					
G66.0	738.5	689.2	657.9	652.5	738.5					
G67.0	693.1	644.7	614.2	608.9	693.1					
G68.0	644.3	601.9	566.7	562.2	644.3					
G69.0	600.0	559.5	524.6	520.3	600.0					
G70.0	557.3	513.7	483.9	480.2	557.3					
G71.0	515.5	473.7	440.4	440.5	515.5					
G72.0	470.6	434.6	402.5	399.8	470.6					
G73.0	431.4	397.4	365.8	364.0	431.4					

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.598 m
Humidity: 65
Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G74.0	394.9	361.0	327.9	330.3	394.9					
G75.0	359.5	323.0	295.0	294.8	359.5					
G76.0	325.6	290.5	263.6	263.5	325.6					
G77.0	291.4	259.0	231.1	233.2	291.4					
G78.0	261.8	228.9	203.1	202.0	261.8					
G79.0	232.7	200.0	176.1	175.4	232.7					
G80.0	206.3	173.5	147.6	149.8	206.3					
G81.0	180.0	145.7	123.7	126.2	180.0					
G82.0	151.5	121.9	101.1	102.0	151.5					
G83.0	127.4	99.8	81.0	81.4	127.4					
G84.0	105.2	79.5	62.1	62.8	105.2					
G85.0	85.8	59.5	47.2	46.4	85.8					
G86.0	67.1	43.5	34.8	31.8	67.1					
G87.0	50.6	30.3	25.1	21.5	50.6					
G88.0	38.2	19.9	20.5	14.2	38.2					
G89.0	28.9	12.9	19.4	11.5	28.9					
G90.0	23.6	10.0	19.8	11.1	23.6					
G91.0	21.3	9.5	20.1	10.8	21.3					
G92.0	22.2	9.5	19.9	10.1	22.2					
G93.0	22.3	9.0	19.0	9.3	22.3					
G94.0	22.2	8.5	18.0	8.1	22.2					
G95.0	21.9	7.8	16.6	7.5	21.9					
G96.0	20.6	7.1	15.7	7.1	20.6					
G97.0	19.9	6.7	14.9	6.5	19.9					
G98.0	19.4	6.4	15.0	6.7	19.4					
G99.0	18.7	6.8	14.2	6.1	18.7					
G100.0	18.4	6.5	13.1	6.4	18.4					
G101.0	18.1	6.3	12.1	6.3	18.1					
G102.0	17.7	6.7	11.0	5.7	17.7					
G103.0	17.0	6.7	9.8	5.4	17.0					
G104.0	15.7	6.5	8.3	5.4	15.7					
G105.0	14.7	6.8	7.4	5.1	14.7					
G106.0	13.1	6.7	7.0	4.6	13.1					
G107.0	11.4	6.3	6.6	4.3	11.4					
G108.0	10.5	6.3	5.9	4.7	10.5					
G109.0	9.8	6.8	5.2	5.0	9.8					
G110.0	9.4	6.8	4.9	5.0	9.4					

C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.598 m
 Humidity: 65
 Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G111.0	8.8	7.1	5.1	5.3	8.8					
G112.0	8.1	7.4	4.8	5.7	8.1					
G113.0	7.7	7.6	5.3	5.8	7.7					
G114.0	8.0	7.5	5.9	6.3	8.0					
G115.0	8.3	8.1	6.2	6.8	8.3					
G116.0	8.8	8.6	6.5	7.1	8.8					
G117.0	9.1	8.9	6.6	7.5	9.1					
G118.0	9.7	9.0	6.6	7.4	9.7					
G119.0	10.1	9.3	7.0	7.8	10.1					
G120.0	10.5	9.7	7.3	8.5	10.5					
G121.0	11.0	10.0	7.9	8.6	11.0					
G122.0	11.4	10.6	8.1	8.9	11.4					
G123.0	11.8	11.1	8.6	9.2	11.8					
G124.0	12.2	11.5	9.1	9.6	12.2					
G125.0	12.5	12.0	9.3	10.1	12.5					
G126.0	12.9	12.4	9.4	10.4	12.9					
G127.0	13.2	12.5	10.3	10.4	13.2					
G128.0	13.8	12.8	10.4	11.0	13.8					
G129.0	14.2	13.2	10.7	11.4	14.2					
G130.0	14.5	13.6	11.1	11.8	14.5					
G131.0	14.9	14.5	11.4	12.2	14.9					
G132.0	15.2	14.5	11.8	12.8	15.2					
G133.0	15.7	14.6	12.2	13.2	15.7					
G134.0	16.4	16.0	12.9	13.3	16.4					
G135.0	16.8	16.3	13.2	14.0	16.8					
G136.0	17.6	16.5	13.5	14.3	17.6					
G137.0	17.8	17.1	13.8	14.7	17.8					
G138.0	18.1	17.4	14.3	15.6	18.1					
G139.0	18.5	17.8	14.5	15.8	18.5					
G140.0	18.8	18.2	15.2	16.1	18.8					
G141.0	19.4	18.8	15.4	16.3	19.4					
G142.0	19.7	19.2	16.0	17.0	19.7					
G143.0	20.4	19.6	16.4	17.4	20.4					
G144.0	20.9	19.7	16.6	17.9	20.9					
G145.0	21.2	20.3	17.3	18.2	21.2					
G146.0	21.6	20.6	17.6	18.5	21.6					
G147.0	21.9	21.1	18.0	19.0	21.9					

C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.598 m
Humidity: 65
Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G148.0	22.5	21.5	18.4	19.5	22.5					
G149.0	22.8	22.1	18.7	19.9	22.8					
G150.0	23.0	22.1	19.2	20.3	23.0					
G151.0	23.2	22.5	19.8	20.6	23.2					
G152.0	23.6	22.9	20.2	21.1	23.6					
G153.0	23.9	23.2	20.4	21.5	23.9					
G154.0	24.0	23.6	21.1	22.0	24.0					
G155.0	24.4	23.6	21.3	22.2	24.4					
G156.0	24.7	23.8	21.6	22.7	24.7					
G157.0	25.1	24.2	22.0	22.7	25.1					
G158.0	25.4	24.6	22.3	23.1	25.4					
G159.0	25.6	24.9	22.6	23.5	25.6					
G160.0	25.7	25.2	22.9	23.9	25.7					
G161.0	26.0	25.3	23.3	23.8	26.0					
G162.0	26.0	25.4	23.6	24.7	26.0					
G163.0	26.7	25.7	24.0	24.3	26.7					
G164.0	26.8	25.6	23.6	24.7	26.8					
G165.0	27.0	26.0	23.9	25.2	27.0					
G166.0	27.1	26.3	24.9	25.6	27.1					
G167.0	27.2	25.9	25.3	26.0	27.2					
G168.0	27.7	26.4	24.9	26.3	27.7					
G169.0	27.7	26.7	25.1	26.3	27.7					
G170.0	27.9	27.0	25.4	26.4	27.9					
G171.0	27.8	26.8	25.6	26.4	27.8					
G172.0	28.1	27.1	25.7	26.4	28.1					
G173.0	28.2	27.1	26.0	26.7	28.2					
G174.0	28.1	27.1	26.0	27.0	28.1					
G175.0	28.1	27.8	26.3	27.2	28.1					
G176.0	28.2	27.7	26.1	27.5	28.2					
G177.0	28.6	27.7	26.1	27.1	28.6					
G178.0	28.1	27.4	26.4	27.4	28.1					
G179.0	28.2	27.5	26.5	27.4	28.2					
G180.0	27.9	27.4	26.8	27.4	27.9					

C Plane (°):0.0-360.0: 90.0
 Test Lab: Inventfine instruments
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky tang

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.598 m
 Humidity: 65
 Inspector: