Report No.: TH-1307A
Test Time: 2020/6/8 17:39

Luminaire Property

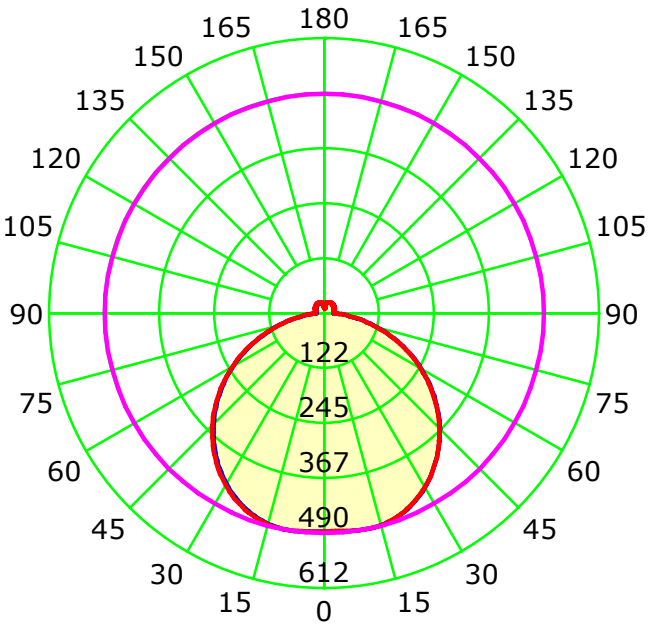
Luminaire Manufacturer:
Luminaire Description: 10232WT
Current: 0.134 A
Power Factor: 0.950
Voltage: 220V
Power: 28.06 W

Photometric Results

CIE Class: Direct
Measurement Flux: 1707 lm
Downward Ratio: 91%
Horizontal Diffuse Angle(50%): H119.5
Vertical Diffuse Angle(50%): V119.6
Luminaire Efficacy Rating (LER): 60.88
Max. Intensity: 490.13 cd
S/MH(C0/C180): 1.34
Total Rated Lamp Lumens: 1707.0 lm
Efficiency: 100%
Upward Ratio: 9%
Central Intensity: 486.18 cd
Pos of Max. Intensity: H0 V11
S/MH(C90/C270): 1.35

Picture Of Luminaire

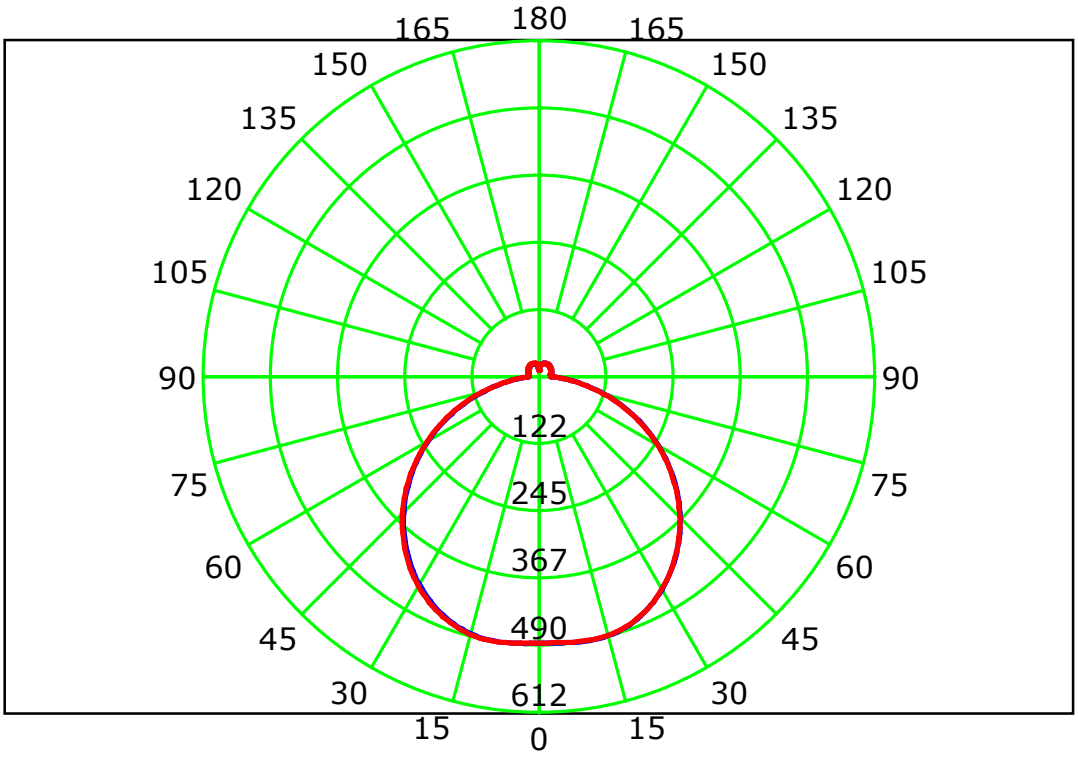
Luminous Intensity Distribution Curve

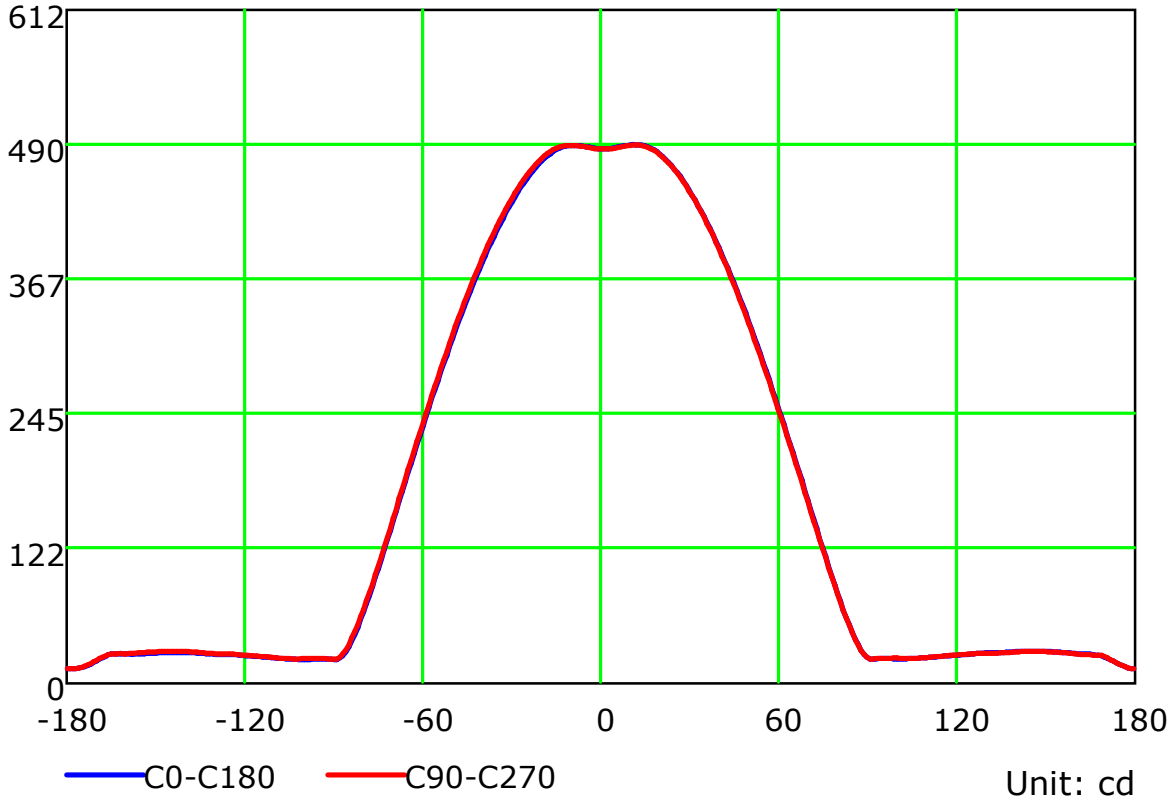


Unit: cd
Average Diffuse Angle(50%): 119.5°
C0-C180 C90-C270 G11

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
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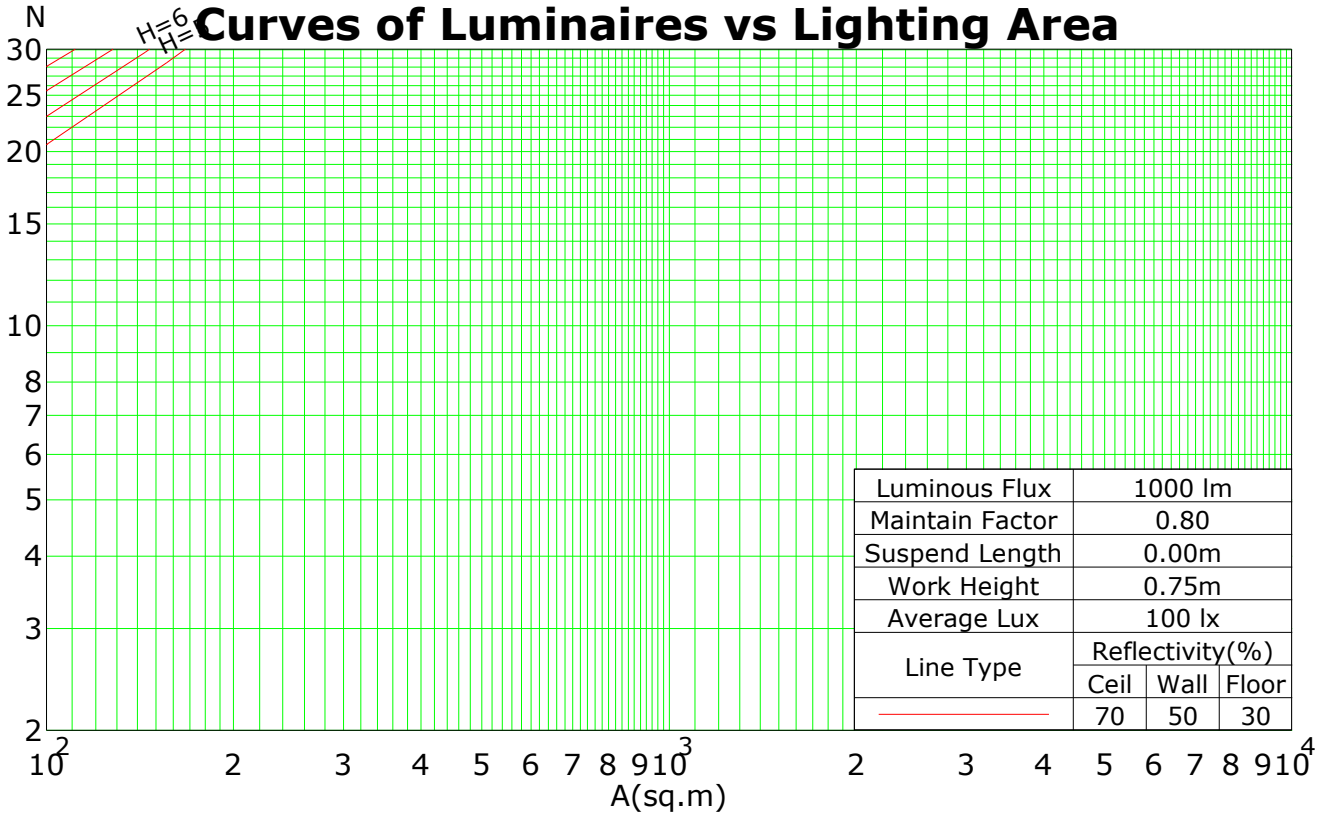
Distance: 8.598 m
Humidity: 65
Inspector:

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	117	117	117	117	113	113	113	113	106	106	106	100	100	100	94	94	94	91
1	106	101	97	93	102	98	94	90	92	89	86	87	84	82	82	80	78	75
2	96	88	81	75	93	85	79	73	80	75	70	75	71	67	71	68	64	62
3	87	77	68	62	84	74	67	61	70	64	58	66	61	56	63	58	54	52
4	80	68	59	52	77	66	58	51	62	55	50	59	53	48	56	51	46	44
5	73	60	51	45	71	59	50	44	56	48	43	53	46	41	50	44	40	38
6	68	54	45	39	65	53	44	38	50	43	37	48	41	36	45	40	35	33
7	63	49	40	34	60	48	39	34	45	38	33	43	37	32	41	35	31	29
8	58	45	36	30	56	44	35	30	41	34	29	40	33	28	38	32	28	26
9	54	41	33	27	52	40	32	27	38	31	26	36	30	26	35	29	25	23
10	51	38	30	24	49	37	29	24	35	28	24	34	28	23	32	27	23	21

Spacing Criteria (0-180): 1.34
Spacing Criteria (90-270): 1.35
Spacing Criteria (Diagonal): 1.44

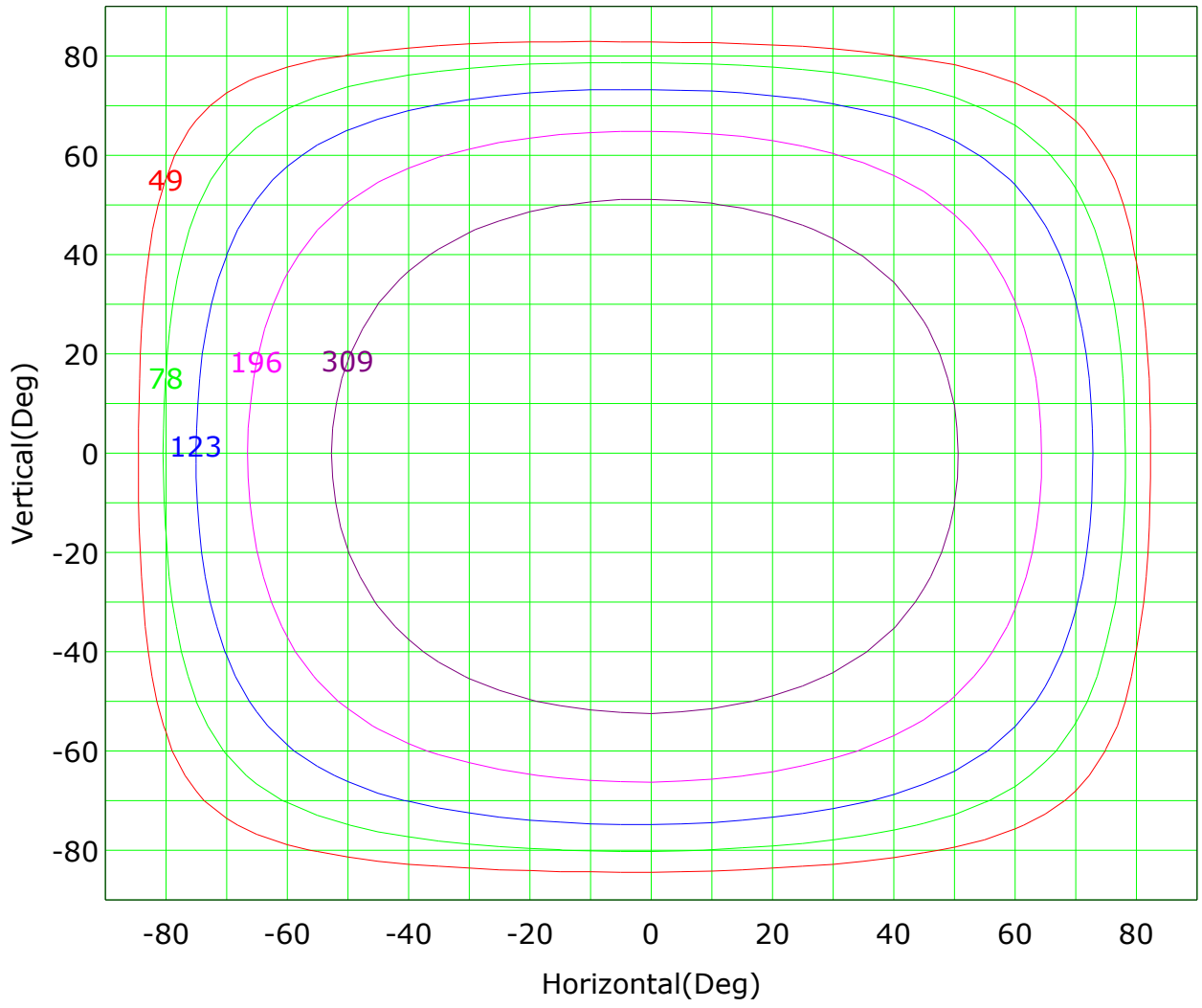
Curves of Luminaires vs Lighting Area



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:

Isocandela (rectangle)



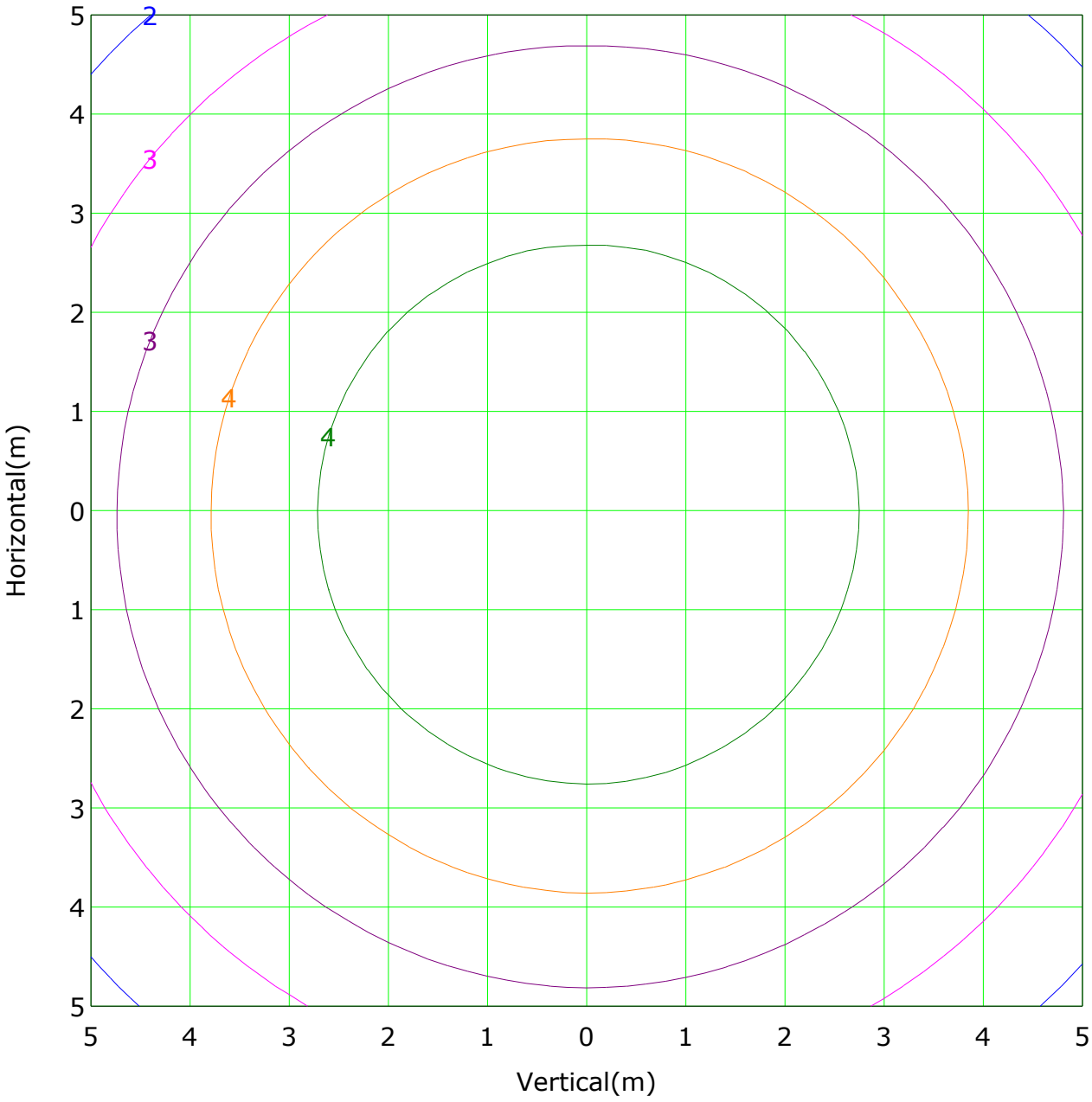
Imax (100%): 490 cd

(10%): 49 cd	(16%): 78 cd
(25%): 123 cd	(40%): 196 cd
(63%): 309 cd	(100%): 490 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%): 4.9 lx

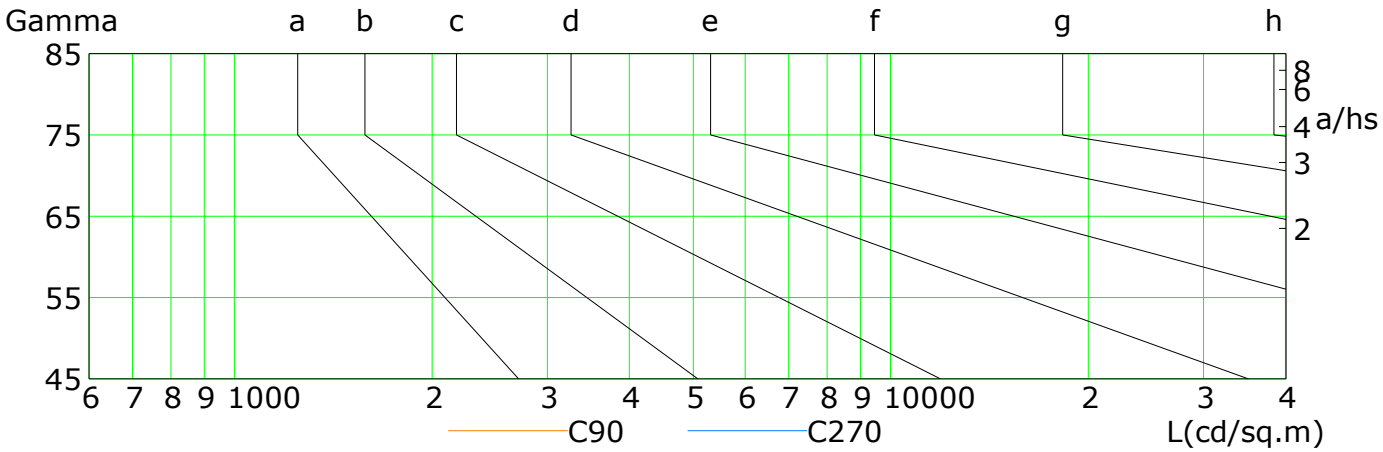
(30%): 1.5 lx	(40%): 1.9 lx
(50%): 2.4 lx	(60%): 2.9 lx
(70%): 3.4 lx	(80%): 3.9 lx
(90%): 4.4 lx	(100%): 4.9 lx
(120%): 5.8 lx	(150%): 7.3 lx

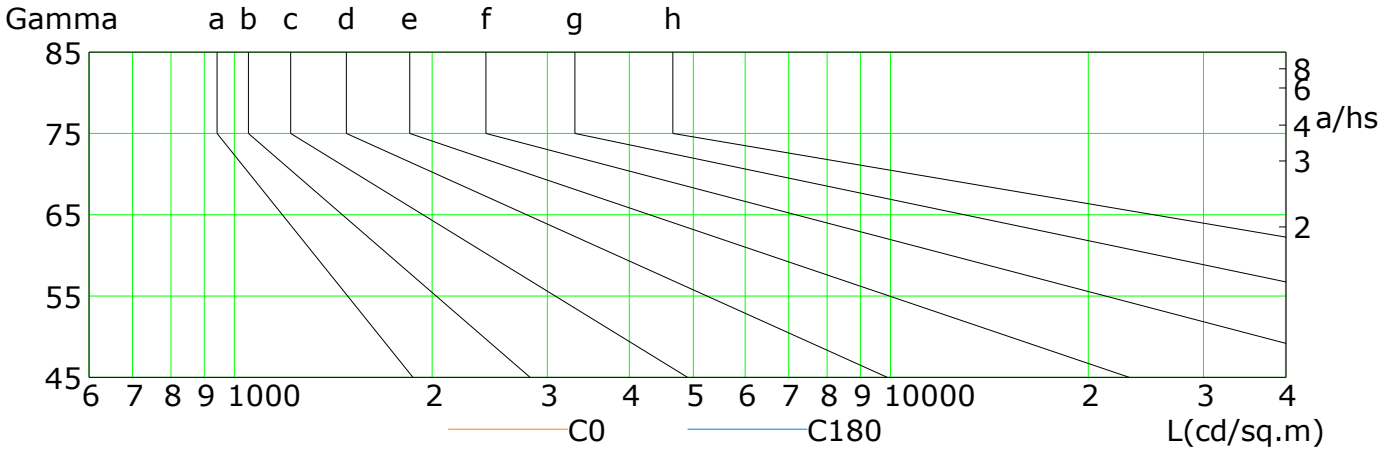
C Plane (°):0.0-360.0: 90.0
Test Lab: Inventfine instruments
Test Type: TYPE C
Temperature: 26
Operator: Jacky tang

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

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
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



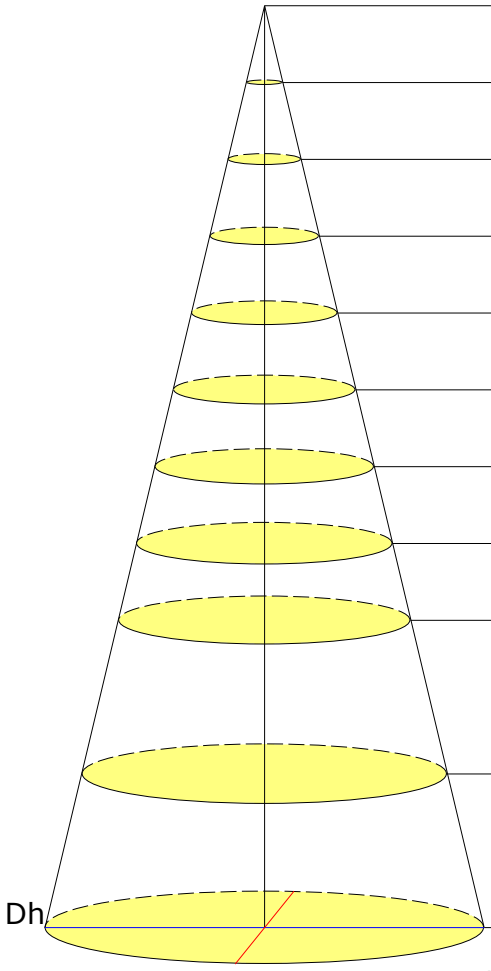


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	365	329	291	251	209	166	123	81	46
C90	363	328	290	249	208	165	122	81	46
C180	350	314	274	234	191	147	104	64	32
C270	353	317	278	237	194	150	106	67	34

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



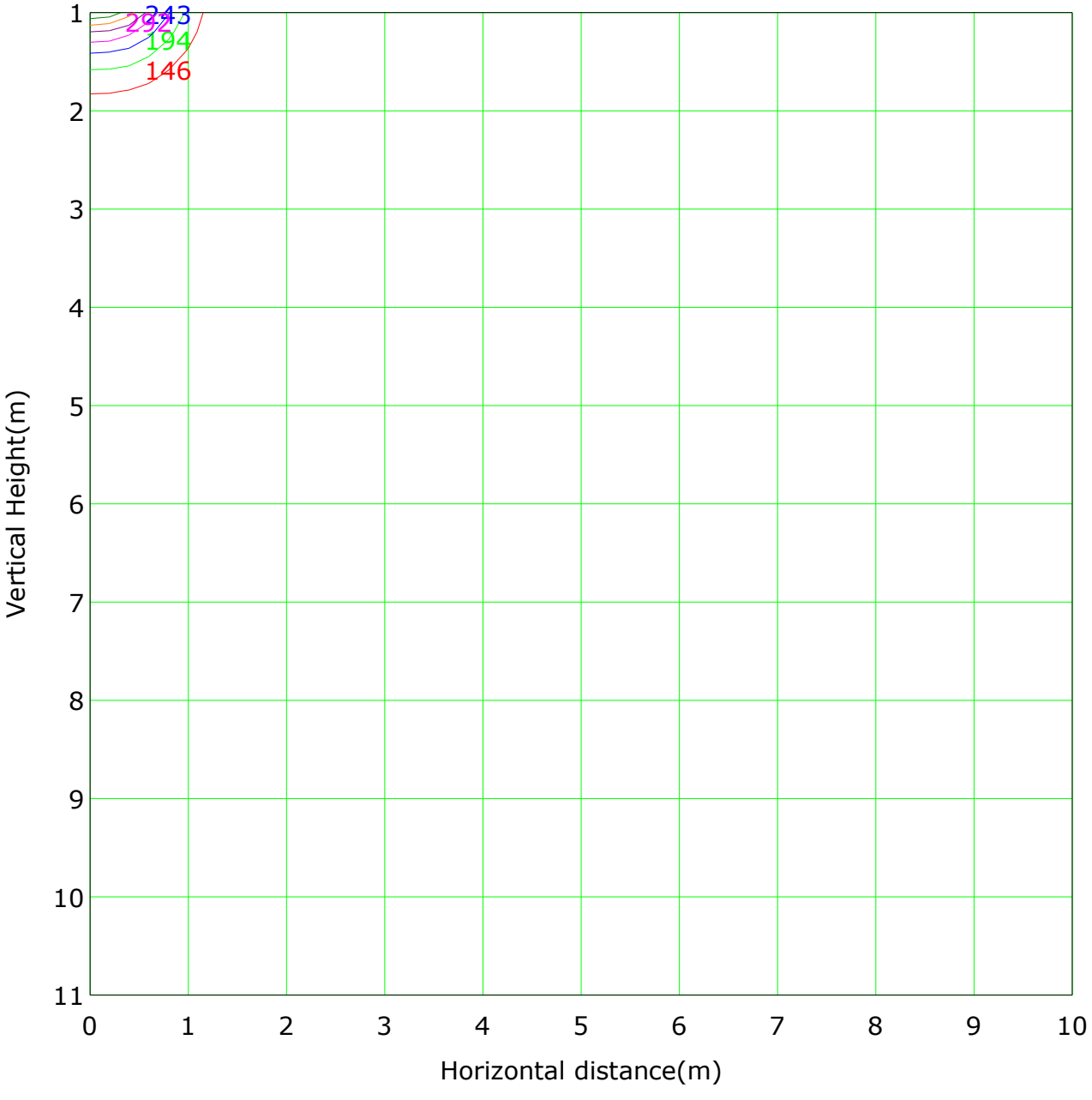
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
1.0	486.18	3.42/3.43	9.3	71.64
2.0	121.54	6.85/6.87	37.1	17.91
3.0	54.02	10.27/10.30	83.4	7.96
4.0	30.39	13.69/13.73	148.3	4.48
5.0	19.45	17.12/17.17	231.7	2.87
6.0	13.50	20.54/20.60	333.6	1.99
7.0	9.92	23.96/24.03	454.1	1.46
8.0	7.60	27.39/27.47	593.1	1.12
10.0	4.86	34.23/34.33	926.7	0.72
12.0	3.38	41.08/41.20	1334.4	0.50

Beam Angle(B): H119.4 V119.6 Field Angle(F): H166.6 V167.0

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:

Vertical IsoLux Plot

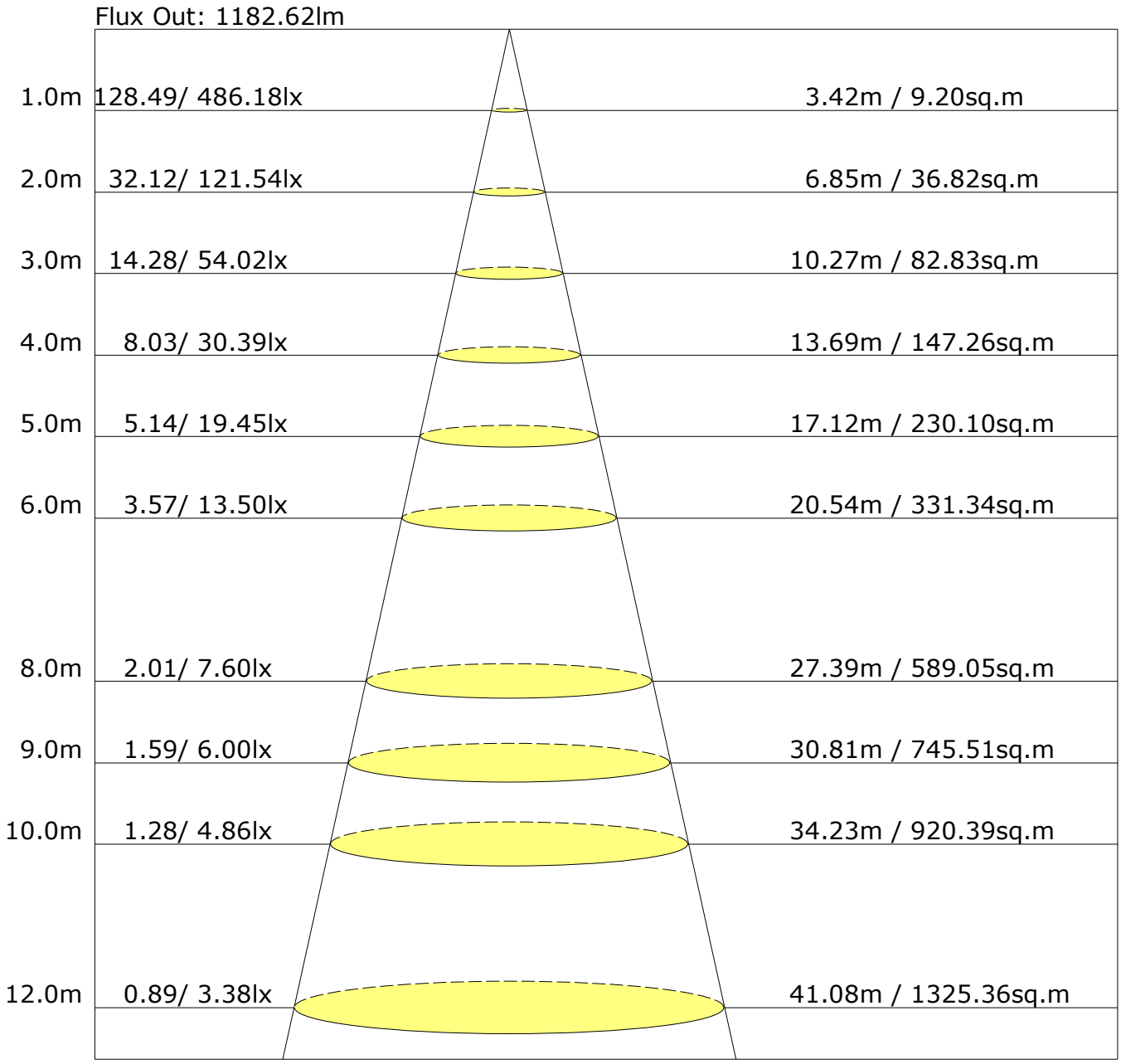


Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 486.2 lx

(30%): 145.9 lx
(40%): 194.5 lx
(50%): 243.1 lx
(60%): 291.7 lx
(70%): 340.3 lx
(80%): 388.9 lx
(90%): 437.6 lx
(100%): 486.2 lx
(120%): 583.4 lx
(150%): 729.3 lx

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

The Average Illuminance Effective Figure



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:

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 1707lm (8log(F/F0) = 1.9).

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:

Zonal Lumen

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	486.2	0.5	0.5	0.03	0.03
1.0-2.0	486.3	1.4	1.9	0.08	0.11
2.0-3.0	486.5	2.3	4.2	0.14	0.25
3.0-4.0	486.9	3.3	7.4	0.19	0.44
4.0-5.0	487.4	4.2	11.6	0.25	0.68
5.0-6.0	488.0	5.1	16.8	0.30	0.98
6.0-7.0	488.5	6.1	22.8	0.36	1.34
7.0-8.0	488.9	7.0	29.8	0.41	1.75
8.0-9.0	489.2	7.9	37.8	0.46	2.21
9.0-10.0	489.4	8.9	46.6	0.52	2.73
10.0-11.0	489.6	9.8	56.4	0.57	3.30
11.0-12.0	489.5	10.7	67.1	0.63	3.93
12.0-13.0	489.2	11.6	78.7	0.68	4.61
13.0-14.0	488.8	12.5	91.2	0.73	5.34
14.0-15.0	488.0	13.4	104.6	0.78	6.13
15.0-16.0	486.9	14.3	118.9	0.84	6.97
16.0-17.0	485.6	15.1	134.0	0.89	7.85
17.0-18.0	484.0	16.0	150.0	0.93	8.79
18.0-19.0	482.1	16.8	166.8	0.98	9.77
19.0-20.0	480.0	17.6	184.3	1.03	10.80
20.0-21.0	477.6	18.3	202.7	1.07	11.87
21.0-22.0	475.1	19.1	221.8	1.12	12.99
22.0-23.0	472.2	19.8	241.6	1.16	14.15
23.0-24.0	469.1	20.5	262.1	1.20	15.35
24.0-25.0	465.8	21.2	283.3	1.24	16.59
25.0-26.0	462.3	21.8	305.1	1.28	17.87
26.0-27.0	458.6	22.4	327.5	1.31	19.19
27.0-28.0	454.7	23.0	350.6	1.35	20.54
28.0-29.0	450.5	23.6	374.1	1.38	21.92
29.0-30.0	446.2	24.1	398.2	1.41	23.33
30.0-31.0	441.7	24.6	422.8	1.44	24.77
31.0-32.0	437.0	25.0	447.9	1.47	26.24
32.0-33.0	432.1	25.5	473.3	1.49	27.73
33.0-34.0	427.1	25.8	499.2	1.51	29.24
34.0-35.0	421.8	26.2	525.4	1.53	30.78
35.0-36.0	416.3	26.5	551.9	1.55	32.33

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	410.8	26.8	578.7	1.57	33.90
37.0-38.0	405.2	27.0	605.7	1.58	35.48
38.0-39.0	399.2	27.3	633.0	1.60	37.08
39.0-40.0	393.2	27.4	660.4	1.61	38.69
40.0-41.0	387.1	27.6	688.0	1.62	40.30
41.0-42.0	380.8	27.7	715.6	1.62	41.92
42.0-43.0	374.3	27.7	743.4	1.62	43.55
43.0-44.0	367.8	27.8	771.1	1.63	45.18
44.0-45.0	361.1	27.8	798.9	1.63	46.80
45.0-46.0	354.2	27.7	826.6	1.62	48.42
46.0-47.0	347.2	27.6	854.2	1.62	50.04
47.0-48.0	340.3	27.5	881.7	1.61	51.65
48.0-49.0	333.0	27.4	909.1	1.60	53.26
49.0-50.0	325.6	27.1	936.2	1.59	54.85
50.0-51.0	318.1	26.9	963.2	1.58	56.42
51.0-52.0	310.5	26.6	989.8	1.56	57.98
52.0-53.0	302.9	26.4	1016.2	1.54	59.53
53.0-54.0	295.2	26.0	1042.2	1.52	61.05
54.0-55.0	287.2	25.6	1067.8	1.50	62.55
55.0-56.0	279.3	25.2	1093.1	1.48	64.03
56.0-57.0	271.4	24.8	1117.9	1.45	65.49
57.0-58.0	263.3	24.4	1142.2	1.43	66.91
58.0-59.0	255.0	23.8	1166.1	1.40	68.31
59.0-60.0	246.8	23.3	1189.4	1.37	69.68
60.0-61.0	238.5	22.8	1212.2	1.33	71.01
61.0-62.0	230.2	22.2	1234.3	1.30	72.31
62.0-63.0	221.9	21.6	1255.9	1.26	73.57
63.0-64.0	213.2	20.9	1276.9	1.23	74.80
64.0-65.0	204.6	20.3	1297.1	1.19	75.99
65.0-66.0	196.2	19.6	1316.7	1.15	77.13
66.0-67.0	187.6	18.9	1335.5	1.10	78.24
67.0-68.0	178.8	18.1	1353.7	1.06	79.30
68.0-69.0	170.0	17.3	1371.0	1.02	80.32
69.0-70.0	161.2	16.6	1387.6	0.97	81.29
70.0-71.0	152.6	15.8	1403.3	0.92	82.21
71.0-72.0	144.0	15.0	1418.3	0.88	83.09

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 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	135.2	14.1	1432.4	0.83	83.92
73.0-74.0	126.7	13.3	1445.8	0.78	84.70
74.0-75.0	118.0	12.5	1458.2	0.73	85.43
75.0-76.0	109.6	11.6	1469.9	0.68	86.11
76.0-77.0	101.3	10.8	1480.7	0.63	86.74
77.0-78.0	92.9	9.9	1490.6	0.58	87.32
78.0-79.0	84.8	9.1	1499.7	0.53	87.86
79.0-80.0	77.2	8.3	1508.1	0.49	88.35
80.0-81.0	69.7	7.5	1515.6	0.44	88.79
81.0-82.0	62.2	6.7	1522.4	0.40	89.18
82.0-83.0	55.2	6.0	1528.4	0.35	89.53
83.0-84.0	48.7	5.3	1533.7	0.31	89.84
84.0-85.0	42.5	4.6	1538.3	0.27	90.12
85.0-86.0	36.7	4.0	1542.3	0.23	90.35
86.0-87.0	31.7	3.5	1545.8	0.20	90.55
87.0-88.0	27.6	3.0	1548.8	0.18	90.73
88.0-89.0	24.5	2.7	1551.5	0.16	90.89
89.0-90.0	22.7	2.5	1554.0	0.15	91.03
90.0-91.0	21.7	2.4	1556.3	0.14	91.17
91.0-92.0	21.4	2.3	1558.7	0.14	91.31
92.0-93.0	21.5	2.4	1561.0	0.14	91.45
93.0-94.0	21.6	2.4	1563.4	0.14	91.59
94.0-95.0	21.6	2.4	1565.8	0.14	91.73
95.0-96.0	21.7	2.4	1568.1	0.14	91.87
96.0-97.0	21.7	2.4	1570.5	0.14	92.00
97.0-98.0	21.7	2.4	1572.9	0.14	92.14
98.0-99.0	21.7	2.3	1575.2	0.14	92.28
99.0-100.0	21.6	2.3	1577.6	0.14	92.42
100.0-101.0	21.6	2.3	1579.9	0.14	92.55
101.0-102.0	21.5	2.3	1582.2	0.14	92.69
102.0-103.0	21.5	2.3	1584.5	0.13	92.82
103.0-104.0	21.5	2.3	1586.8	0.13	92.96
104.0-105.0	21.6	2.3	1589.1	0.13	93.09
105.0-106.0	21.7	2.3	1591.4	0.13	93.23
106.0-107.0	21.9	2.3	1593.7	0.13	93.36
107.0-108.0	22.0	2.3	1596.0	0.13	93.50

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	22.2	2.3	1598.3	0.14	93.63
109.0-110.0	22.4	2.3	1600.6	0.14	93.77
110.0-111.0	22.7	2.3	1602.9	0.14	93.90
111.0-112.0	22.9	2.3	1605.3	0.14	94.04
112.0-113.0	23.1	2.3	1607.6	0.14	94.18
113.0-114.0	23.4	2.4	1610.0	0.14	94.32
114.0-115.0	23.6	2.4	1612.3	0.14	94.45
115.0-116.0	23.8	2.4	1614.7	0.14	94.59
116.0-117.0	24.0	2.4	1617.0	0.14	94.73
117.0-118.0	24.3	2.4	1619.4	0.14	94.87
118.0-119.0	24.5	2.4	1621.8	0.14	95.01
119.0-120.0	24.7	2.4	1624.1	0.14	95.14
120.0-121.0	24.9	2.3	1626.5	0.14	95.28
121.0-122.0	25.1	2.3	1628.8	0.14	95.42
122.0-123.0	25.3	2.3	1631.1	0.14	95.56
123.0-124.0	25.5	2.3	1633.5	0.14	95.69
124.0-125.0	25.7	2.3	1635.8	0.14	95.83
125.0-126.0	25.9	2.3	1638.1	0.14	95.96
126.0-127.0	26.0	2.3	1640.4	0.13	96.10
127.0-128.0	26.2	2.3	1642.7	0.13	96.23
128.0-129.0	26.3	2.3	1644.9	0.13	96.36
129.0-130.0	26.3	2.2	1647.2	0.13	96.49
130.0-131.0	26.4	2.2	1649.4	0.13	96.62
131.0-132.0	26.5	2.2	1651.5	0.13	96.75
132.0-133.0	26.6	2.2	1653.7	0.13	96.88
133.0-134.0	26.7	2.1	1655.8	0.12	97.00
134.0-135.0	26.9	2.1	1657.9	0.12	97.12
135.0-136.0	27.1	2.1	1660.0	0.12	97.25
136.0-137.0	27.3	2.1	1662.1	0.12	97.37
137.0-138.0	27.5	2.0	1664.1	0.12	97.49
138.0-139.0	27.6	2.0	1666.1	0.12	97.60
139.0-140.0	27.8	2.0	1668.1	0.12	97.72
140.0-141.0	27.9	1.9	1670.0	0.11	97.83
141.0-142.0	28.0	1.9	1671.9	0.11	97.95
142.0-143.0	28.0	1.9	1673.8	0.11	98.06
143.0-144.0	28.1	1.8	1675.6	0.11	98.16

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 4)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	28.0	1.8	1677.4	0.10	98.27
145.0-146.0	28.0	1.7	1679.2	0.10	98.37
146.0-147.0	28.0	1.7	1680.9	0.10	98.47
147.0-148.0	27.9	1.6	1682.5	0.10	98.57
148.0-149.0	27.9	1.6	1684.1	0.09	98.66
149.0-150.0	27.8	1.5	1685.7	0.09	98.75
150.0-151.0	27.7	1.5	1687.2	0.09	98.84
151.0-152.0	27.6	1.4	1688.6	0.08	98.92
152.0-153.0	27.5	1.4	1690.0	0.08	99.00
153.0-154.0	27.3	1.3	1691.3	0.08	99.08
154.0-155.0	27.1	1.3	1692.6	0.08	99.16
155.0-156.0	27.0	1.2	1693.8	0.07	99.23
156.0-157.0	26.8	1.2	1695.0	0.07	99.30
157.0-158.0	26.6	1.1	1696.1	0.07	99.36
158.0-159.0	26.4	1.1	1697.2	0.06	99.42
159.0-160.0	26.2	1.0	1698.2	0.06	99.48
160.0-161.0	26.1	1.0	1699.1	0.06	99.54
161.0-162.0	26.1	0.9	1700.0	0.05	99.59
162.0-163.0	25.9	0.9	1700.9	0.05	99.64
163.0-164.0	25.8	0.8	1701.7	0.05	99.69
164.0-165.0	25.8	0.8	1702.5	0.04	99.73
165.0-166.0	25.6	0.7	1703.2	0.04	99.78
166.0-167.0	25.0	0.6	1703.8	0.04	99.81
167.0-168.0	24.2	0.6	1704.4	0.03	99.85
168.0-169.0	23.4	0.5	1704.9	0.03	99.88
169.0-170.0	22.3	0.4	1705.3	0.03	99.90
170.0-171.0	21.0	0.4	1705.7	0.02	99.92
171.0-172.0	19.7	0.3	1706.0	0.02	99.94
172.0-173.0	18.3	0.3	1706.3	0.02	99.96
173.0-174.0	17.0	0.2	1706.5	0.01	99.97
174.0-175.0	15.8	0.2	1706.7	0.01	99.98
175.0-176.0	14.7	0.1	1706.8	0.01	99.99
176.0-177.0	13.8	0.1	1706.9	0.01	99.99
177.0-178.0	13.2	0.1	1707.0	0.00	100.00
178.0-179.0	12.7	0.0	1707.0	0.00	100.00
179.0-180.0	12.5	0.0	1707.0	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	486.2	486.2	486.2	486.2	486.2					
G1.0	486.3	486.2	486.4	486.1	486.3					
G2.0	486.2	486.1	486.8	486.3	486.2					
G3.0	486.5	486.1	487.3	486.9	486.5					
G4.0	486.9	486.5	487.8	487.5	486.9					
G5.0	487.4	487.1	488.3	488.0	487.4					
G6.0	488.0	487.7	488.7	488.5	488.0					
G7.0	488.7	488.2	489.0	488.9	488.7					
G8.0	489.1	488.7	489.2	489.3	489.1					
G9.0	489.5	489.1	489.3	489.4	489.5					
G10.0	489.9	489.4	489.4	489.5	489.9					
G11.0	490.1	489.6	489.2	489.4	490.1					
G12.0	490.1	489.6	488.6	489.2	490.1					
G13.0	490.0	489.7	487.8	488.7	490.0					
G14.0	489.6	489.3	486.8	488.1	489.6					
G15.0	489.1	488.6	485.5	487.0	489.1					
G16.0	488.2	487.7	483.7	485.6	488.2					
G17.0	487.0	486.4	481.9	483.9	487.0					
G18.0	485.7	485.0	479.9	482.1	485.7					
G19.0	483.8	483.3	477.6	479.7	483.8					
G20.0	481.9	481.1	475.1	477.4	481.9					
G21.0	479.5	478.9	472.4	474.8	479.5					
G22.0	477.0	476.4	469.1	472.3	477.0					
G23.0	474.2	473.5	466.0	468.9	474.2					
G24.0	471.3	470.6	462.7	465.6	471.3					
G25.0	467.9	467.4	458.7	462.2	467.9					
G26.0	464.6	464.1	455.0	458.5	464.6					
G27.0	461.1	460.3	451.1	454.2	461.1					
G28.0	457.0	456.4	447.1	450.2	457.0					
G29.0	452.9	452.3	442.3	446.0	452.9					
G30.0	448.8	448.1	437.7	441.5	448.8					
G31.0	444.0	443.7	433.2	436.5	444.0					
G32.0	439.6	438.8	428.3	431.7	439.6					
G33.0	434.6	434.3	422.8	426.7	434.6					
G34.0	429.8	429.0	417.7	421.6	429.8					
G35.0	424.4	424.1	412.4	415.7	424.4					
G36.0	419.1	418.3	406.4	410.4	419.1					

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	413.8	413.0	400.7	404.8	413.8					
G38.0	407.8	407.5	395.1	398.6	407.8					
G39.0	402.2	401.2	388.7	392.8	402.2					
G40.0	396.4	395.5	382.6	386.7	396.4					
G41.0	390.5	388.9	376.5	380.0	390.5					
G42.0	383.7	382.9	370.2	373.6	383.7					
G43.0	377.5	376.6	363.1	367.1	377.5					
G44.0	371.2	369.7	356.5	360.6	371.2					
G45.0	364.7	363.3	349.8	353.2	364.7					
G46.0	357.5	356.1	342.5	346.4	357.5					
G47.0	350.8	349.3	335.5	339.4	350.8					
G48.0	343.9	342.4	328.5	332.4	343.9					
G49.0	336.9	334.8	320.7	324.6	336.9					
G50.0	329.1	327.7	313.5	317.3	329.1					
G51.0	321.8	320.4	306.2	309.1	321.8					
G52.0	314.5	312.3	298.1	301.6	314.5					
G53.0	307.1	304.9	290.6	294.0	307.1					
G54.0	298.9	297.5	282.9	285.5	298.9					
G55.0	291.2	289.9	274.4	277.6	291.2					
G56.0	283.6	281.6	266.6	269.8	283.6					
G57.0	275.8	273.8	258.7	261.0	275.8					
G58.0	267.1	266.0	250.8	253.0	267.1					
G59.0	259.2	257.3	241.9	244.9	259.2					
G60.0	251.2	249.3	233.8	236.7	251.2					
G61.0	243.2	241.3	224.9	227.8	243.2					
G62.0	235.0	233.2	216.8	219.6	235.0					
G63.0	225.9	225.0	208.6	211.3	225.9					
G64.0	217.6	215.9	199.4	202.1	217.6					
G65.0	209.2	207.6	191.1	193.8	209.2					
G66.0	200.8	199.2	182.7	185.3	200.8					
G67.0	192.3	190.8	173.4	176.0	192.3					
G68.0	183.9	181.6	164.9	167.5	183.9					
G69.0	174.5	173.2	156.4	158.1	174.5					
G70.0	166.1	164.7	147.1	149.6	166.1					
G71.0	157.5	156.3	138.5	141.1	157.5					
G72.0	149.0	147.0	130.2	131.9	149.0					
G73.0	140.5	138.6	121.0	123.6	140.5					

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	131.2	130.2	112.8	115.4	131.2					
G75.0	122.7	121.9	103.8	106.4	122.7					
G76.0	114.4	113.6	95.8	98.3	114.4					
G77.0	106.1	104.6	87.8	89.7	106.1					
G78.0	97.2	96.6	79.2	81.9	97.2					
G79.0	89.2	88.7	71.7	74.3	89.2					
G80.0	81.5	81.0	64.4	67.1	81.5					
G81.0	73.9	72.8	57.3	59.9	73.9					
G82.0	65.9	65.6	49.9	52.6	65.9					
G83.0	58.8	58.6	43.6	46.3	58.8					
G84.0	52.0	51.9	37.7	40.3	52.0					
G85.0	45.6	45.6	32.4	34.3	45.6					
G86.0	39.5	39.0	27.4	29.5	39.5					
G87.0	34.0	33.6	24.4	25.8	34.0					
G88.0	28.8	28.8	22.2	23.2	28.8					
G89.0	25.4	25.3	21.0	21.4	25.4					
G90.0	23.1	23.0	21.0	21.4	23.1					
G91.0	21.4	21.5	21.1	21.5	21.4					
G92.0	21.4	21.6	21.2	21.6	21.4					
G93.0	21.5	21.7	21.3	21.7	21.5					
G94.0	21.6	21.8	21.3	21.8	21.6					
G95.0	21.7	21.9	21.3	21.8	21.7					
G96.0	21.6	22.0	21.2	21.9	21.6					
G97.0	21.7	22.0	21.1	22.0	21.7					
G98.0	21.6	22.1	21.0	22.0	21.6					
G99.0	21.5	22.2	20.9	22.0	21.5					
G100.0	21.5	22.2	20.9	21.9	21.5					
G101.0	21.5	22.1	21.0	21.7	21.5					
G102.0	21.5	22.0	21.0	21.6	21.5					
G103.0	21.5	21.8	21.1	21.5	21.5					
G104.0	21.6	21.7	21.2	21.5	21.6					
G105.0	21.8	21.8	21.3	21.7	21.8					
G106.0	21.9	21.9	21.5	21.8	21.9					
G107.0	22.0	22.0	21.7	22.0	22.0					
G108.0	22.2	22.2	21.9	22.2	22.2					
G109.0	22.3	22.4	22.1	22.4	22.3					
G110.0	22.5	22.6	22.3	22.6	22.5					

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	22.8	22.9	22.6	22.9	22.8					
G112.0	23.0	23.1	22.8	23.1	23.0					
G113.0	23.3	23.4	23.1	23.3	23.3					
G114.0	23.5	23.6	23.3	23.6	23.5					
G115.0	23.7	23.9	23.5	23.8	23.7					
G116.0	23.9	24.1	23.7	24.0	23.9					
G117.0	24.2	24.4	23.9	24.2	24.2					
G118.0	24.5	24.6	24.1	24.4	24.5					
G119.0	24.6	24.8	24.3	24.6	24.6					
G120.0	24.9	24.9	24.4	24.8	24.9					
G121.0	25.1	25.1	24.6	25.0	25.1					
G122.0	25.2	25.3	24.9	25.3	25.2					
G123.0	25.4	25.5	25.1	25.4	25.4					
G124.0	25.5	25.8	25.3	25.7	25.5					
G125.0	25.7	26.0	25.5	25.9	25.7					
G126.0	26.0	26.1	25.6	26.1	26.0					
G127.0	26.3	26.3	25.6	26.2	26.3					
G128.0	26.5	26.5	25.6	26.2	26.5					
G129.0	26.7	26.7	25.6	26.2	26.7					
G130.0	26.9	26.7	25.6	26.2	26.9					
G131.0	26.9	26.7	25.8	26.4	26.9					
G132.0	26.9	26.7	25.9	26.6	26.9					
G133.0	27.0	26.8	26.1	26.8	27.0					
G134.0	27.1	26.8	26.4	27.1	27.1					
G135.0	27.3	26.9	26.6	27.3	27.3					
G136.0	27.4	27.0	26.8	27.5	27.4					
G137.0	27.6	27.2	27.0	27.8	27.6					
G138.0	27.8	27.4	27.1	28.0	27.8					
G139.0	27.9	27.7	27.2	28.2	27.9					
G140.0	28.1	27.8	27.2	28.3	28.1					
G141.0	28.3	28.0	27.2	28.4	28.3					
G142.0	28.5	28.1	27.2	28.3	28.5					
G143.0	28.5	28.2	27.2	28.4	28.5					
G144.0	28.4	28.3	27.1	28.4	28.4					
G145.0	28.4	28.4	27.1	28.3	28.4					
G146.0	28.3	28.4	27.0	28.2	28.3					
G147.0	28.3	28.4	27.0	28.2	28.3					

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	28.2	28.3	26.9	28.1	28.2					
G149.0	28.2	28.2	26.9	28.1	28.2					
G150.0	28.2	28.1	26.8	28.0	28.2					
G151.0	28.1	28.0	26.7	27.9	28.1					
G152.0	28.0	27.9	26.6	27.8	28.0					
G153.0	27.9	27.7	26.4	27.6	27.9					
G154.0	27.7	27.5	26.2	27.4	27.7					
G155.0	27.6	27.3	26.0	27.2	27.6					
G156.0	27.4	27.1	25.9	27.0	27.4					
G157.0	27.2	26.9	25.7	26.8	27.2					
G158.0	27.0	26.7	25.7	26.5	27.0					
G159.0	26.6	26.4	25.7	26.3	26.6					
G160.0	26.4	26.1	25.9	26.2	26.4					
G161.0	26.2	25.8	26.2	26.2	26.2					
G162.0	26.1	25.5	26.2	26.3	26.1					
G163.0	26.0	25.2	26.0	26.2	26.0					
G164.0	26.0	25.2	25.9	26.0	26.0					
G165.0	26.0	25.2	25.9	26.2	26.0					
G166.0	25.6	25.0	25.1	25.7	25.6					
G167.0	25.0	24.8	23.9	24.5	25.0					
G168.0	24.6	24.8	22.5	23.2	24.6					
G169.0	24.2	24.6	21.2	21.9	24.2					
G170.0	23.2	23.5	19.7	20.4	23.2					
G171.0	22.0	22.3	18.2	18.9	22.0					
G172.0	20.7	20.8	16.9	17.5	20.7					
G173.0	19.4	19.4	15.6	16.1	19.4					
G174.0	18.0	17.9	14.5	14.9	18.0					
G175.0	16.7	16.6	13.7	13.9	16.7					
G176.0	15.5	15.4	13.0	13.0	15.5					
G177.0	14.3	14.3	12.7	12.5	14.3					
G178.0	13.3	13.3	12.7	12.3	13.3					
G179.0	12.5	12.6	12.7	12.4	12.5					
G180.0	12.6	12.3	12.7	12.3	12.6					

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: