

Report No.: TH-4107A

Test Time: 2023/3/7 17:18

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Luminaire Description: UN-DC24-2835-60-16.5-940-T301-UD

Lamp Catalog:

Lamp Description:

Number of Lamps:

Lumens per Lamp:

Luminous Length (mm): 1000

Luminous Width (mm): 16

Luminous Height (mm):

Voltage: 24.0 V

Current: 0.713 A

Power: 17.11 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 1568.3 lm

Measurement Flux: 1568.3 lm

Efficiency: 100%

Downward Ratio: 96%

Upward Ratio: 4%

Horizontal Diffuse Angle(50%): H35.5

Vertical Diffuse Angle(50%): V36.4

Luminaire Efficacy Rating (LER): 91.71

C0r0 Intensity: 2385.14 cd

Max. Intensity: 2428.2 cd

Pos of Max. Intensity: H270 V3

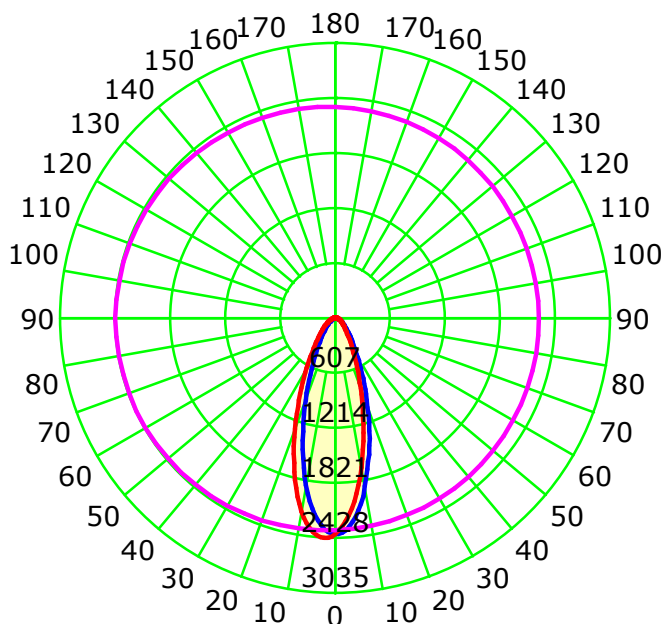
S/MH(C0/C180): 0.57

S/MH(C90/C270): 0.59

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 35.8°

— C0-C180 — C90-C270 — G3 —

C Plane (°):0.0-360.0: 30.0

Gamma Plane (°):0.0-180.0:1.0

Test Lab: Inventfine instrument

Test Device: GPM-1800B

Test Type: TYPE C

Distance: 8.607 m [K=1.0000]

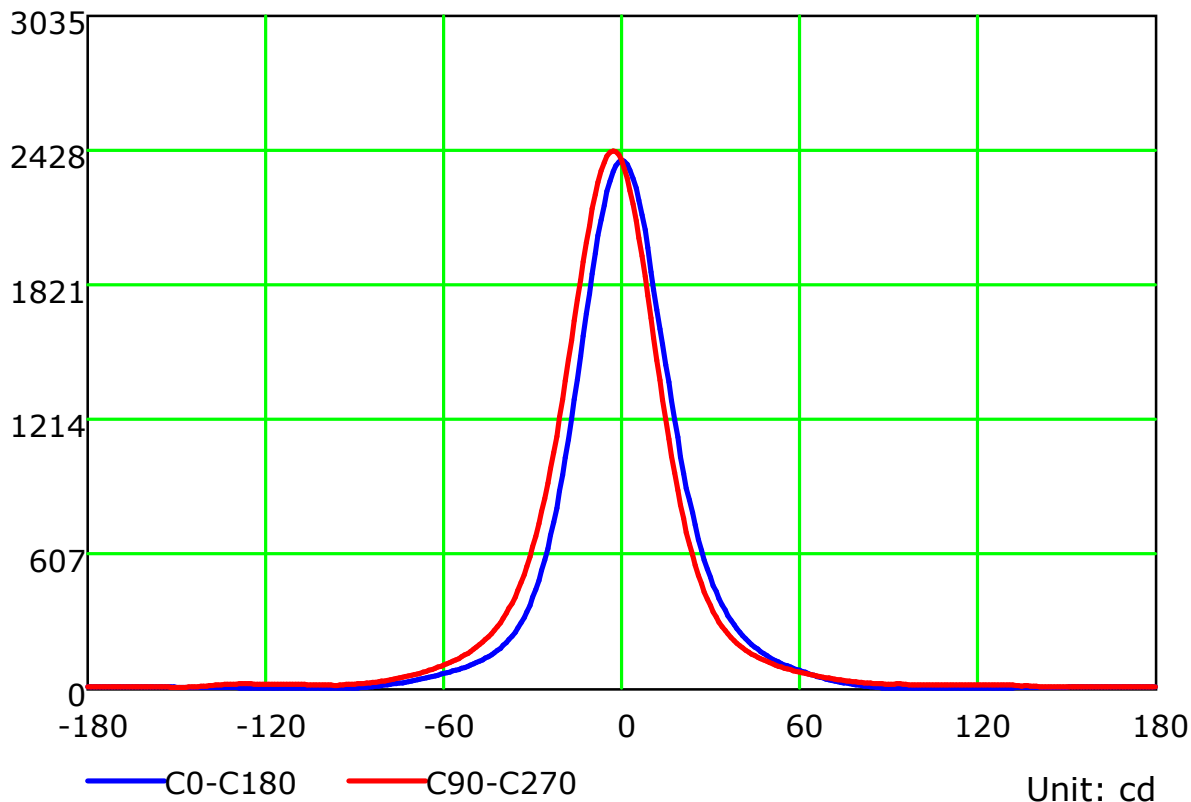
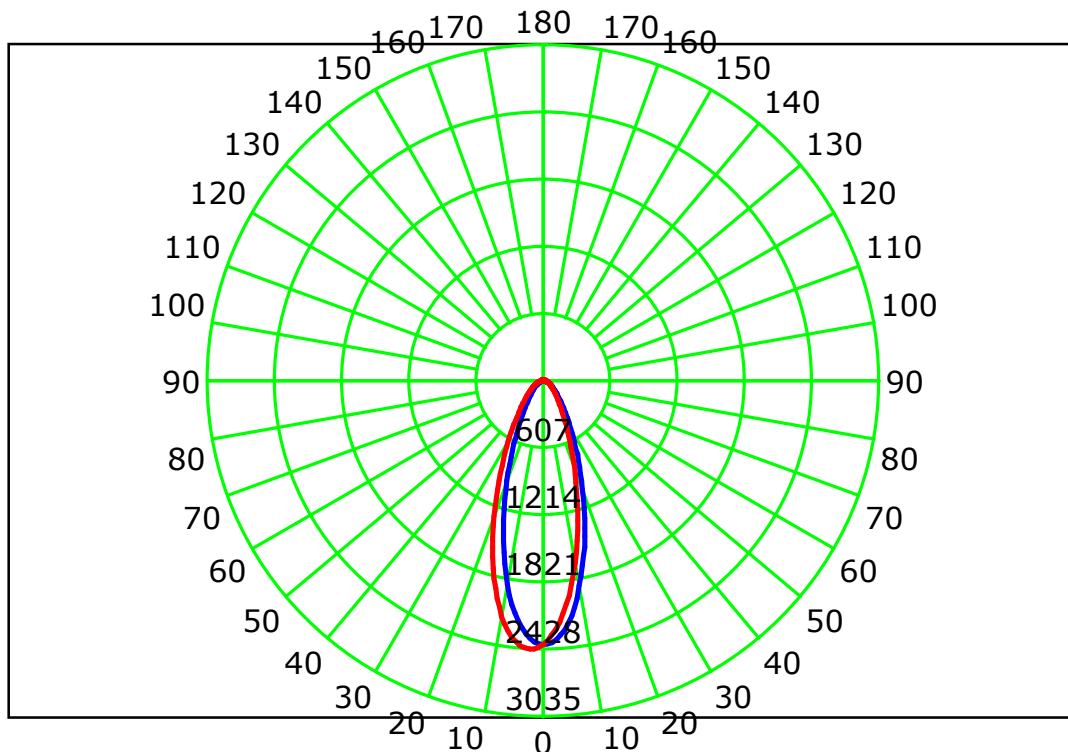
Temperature: 26

Humidity: 65

Operator: Jacky

Inspector:

Luminous Intensity Distribution Curve



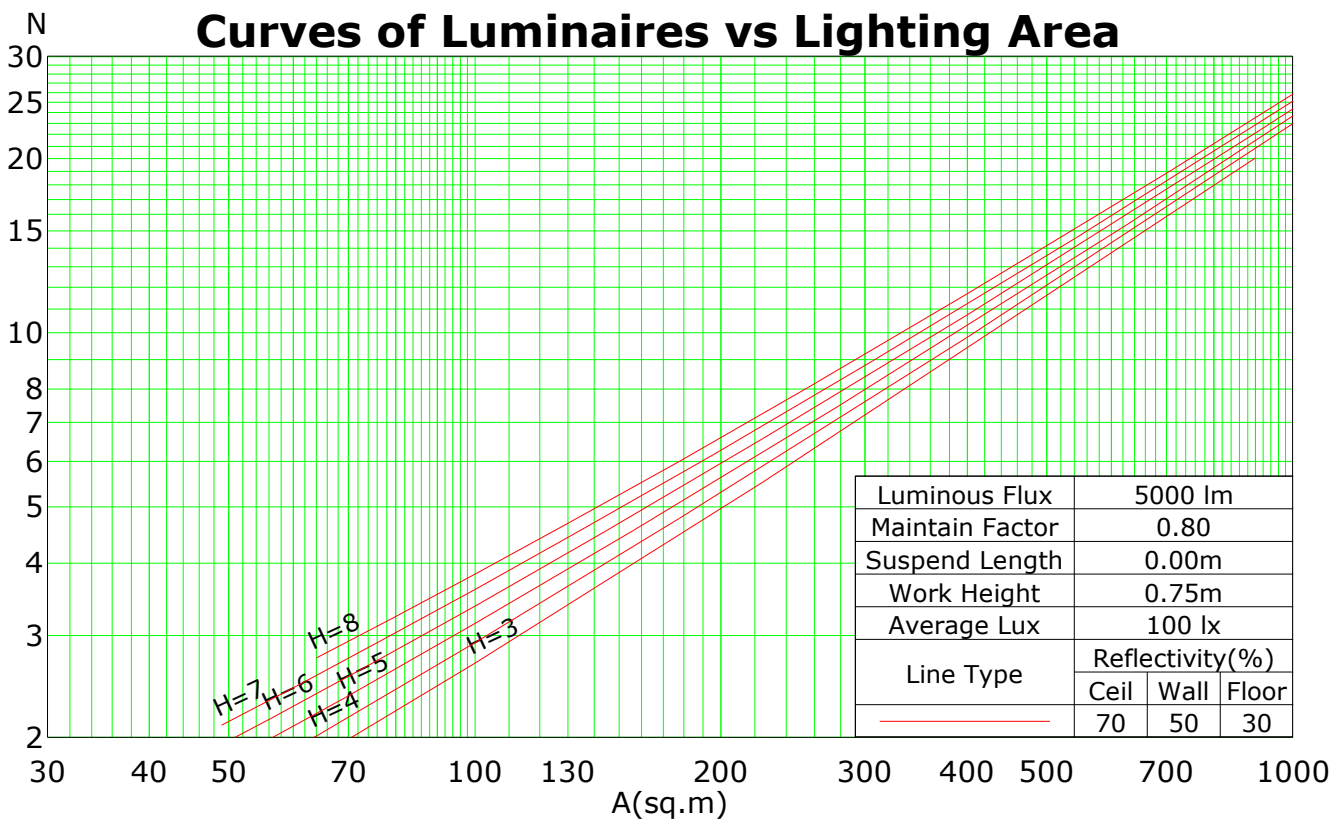
C Plane (°):0.0-360.0: 30.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.607 m [K=1.0000]
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	1.18	1.18	1.18	1.18	1.15	1.15	1.15	1.15	1.09	1.09	1.09	1.04	1.04	1.04	0.99	0.99	0.99	0.96
1	1.11	1.08	1.04	1.02	1.08	1.05	1.02	1.00	1.00	0.98	0.96	0.96	0.94	0.92	0.92	0.90	0.89	0.87
2	1.04	0.98	0.93	0.89	1.02	0.96	0.92	0.88	0.92	0.89	0.86	0.89	0.86	0.83	0.85	0.83	0.81	0.79
3	0.98	0.90	0.85	0.80	0.96	0.89	0.83	0.79	0.86	0.81	0.77	0.83	0.79	0.76	0.80	0.77	0.74	0.72
4	0.92	0.84	0.77	0.72	0.90	0.82	0.76	0.72	0.80	0.75	0.71	0.77	0.73	0.69	0.75	0.71	0.68	0.66
5	0.87	0.78	0.71	0.66	0.85	0.77	0.71	0.66	0.74	0.69	0.65	0.72	0.68	0.64	0.70	0.66	0.63	0.61
6	0.83	0.73	0.66	0.61	0.81	0.72	0.66	0.61	0.70	0.64	0.60	0.68	0.63	0.60	0.66	0.62	0.59	0.57
7	0.79	0.68	0.62	0.57	0.77	0.68	0.61	0.57	0.66	0.60	0.56	0.64	0.59	0.56	0.63	0.59	0.55	0.54
8	0.75	0.64	0.58	0.53	0.73	0.64	0.58	0.53	0.62	0.57	0.53	0.61	0.56	0.52	0.60	0.55	0.52	0.50
9	0.71	0.61	0.55	0.50	0.70	0.60	0.54	0.50	0.59	0.54	0.50	0.58	0.53	0.49	0.57	0.52	0.49	0.48
10	0.68	0.58	0.52	0.48	0.67	0.57	0.51	0.47	0.56	0.51	0.47	0.55	0.50	0.47	0.54	0.50	0.46	0.45

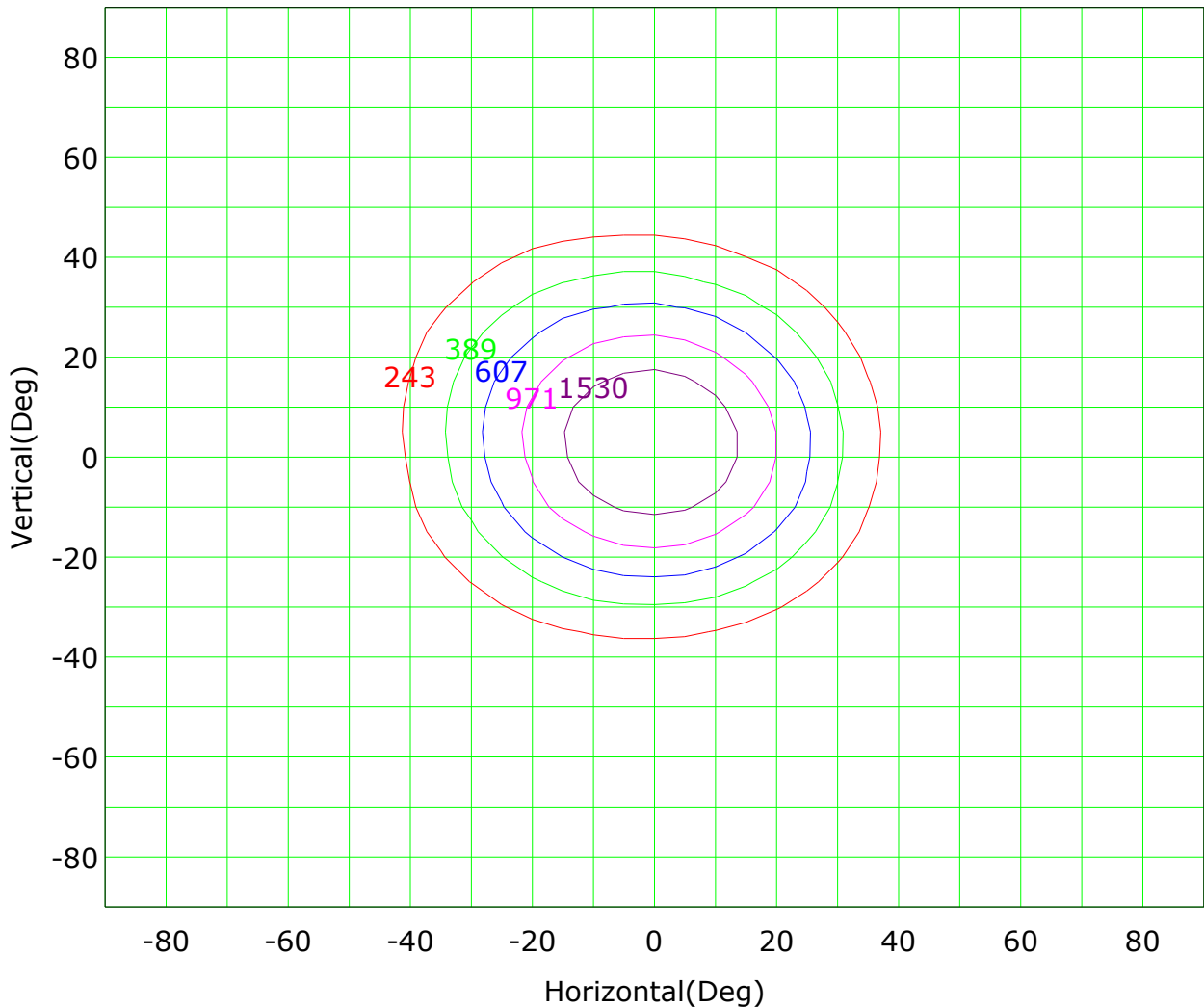
Spacing Criteria (0-180): 0.57
 Spacing Criteria (90-270): 0.59
 Spacing Criteria (Diagonal): 0.63



C Plane (°):0.0-360.0: 30.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.607 m [K=1.0000]
 Humidity: 65
 Inspector:

Isocandela (rectangle)



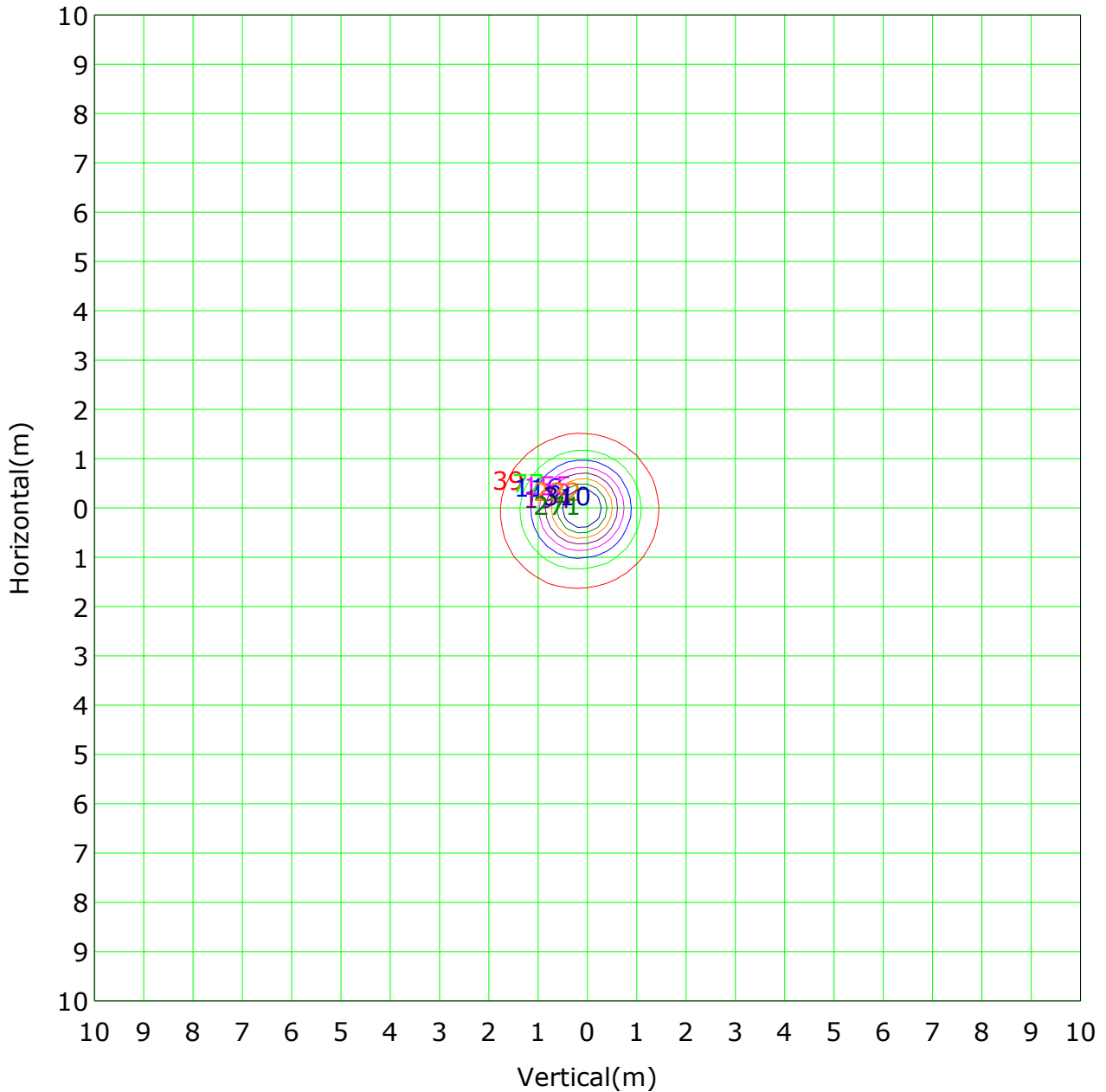
Imax (100%): 2428 cd

— (10%): 243 cd	— (16%): 389 cd
— (25%): 607 cd	— (40%): 971 cd
— (63%): 1530 cd	— (100%): 2428 cd

C Plane (°):0.0-360.0: 30.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.607 m [K=1.0000]
Humidity: 65
Inspector:

IsoLux Plot



Mounting Height: 2.5m		Max Lux(100%): 387.2 lx	
— (10%): 38.7 lx	— (20%): 77.4 lx	— (40%): 154.9 lx	— (60%): 232.3 lx
— (30%): 116.2 lx	— (50%): 193.6 lx	— (70%): 271.0 lx	— (80%): 309.8 lx

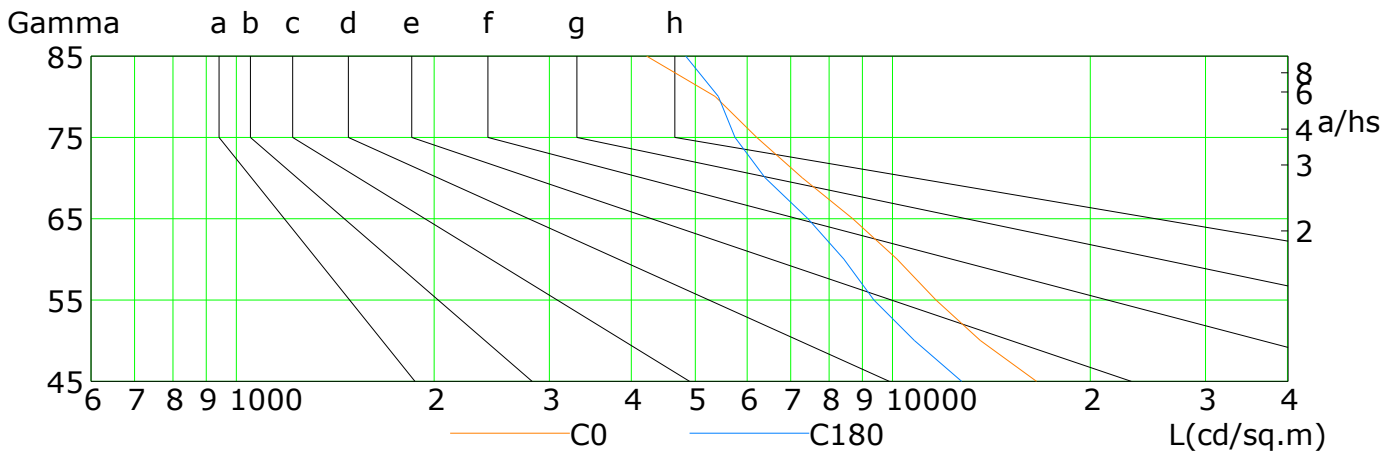
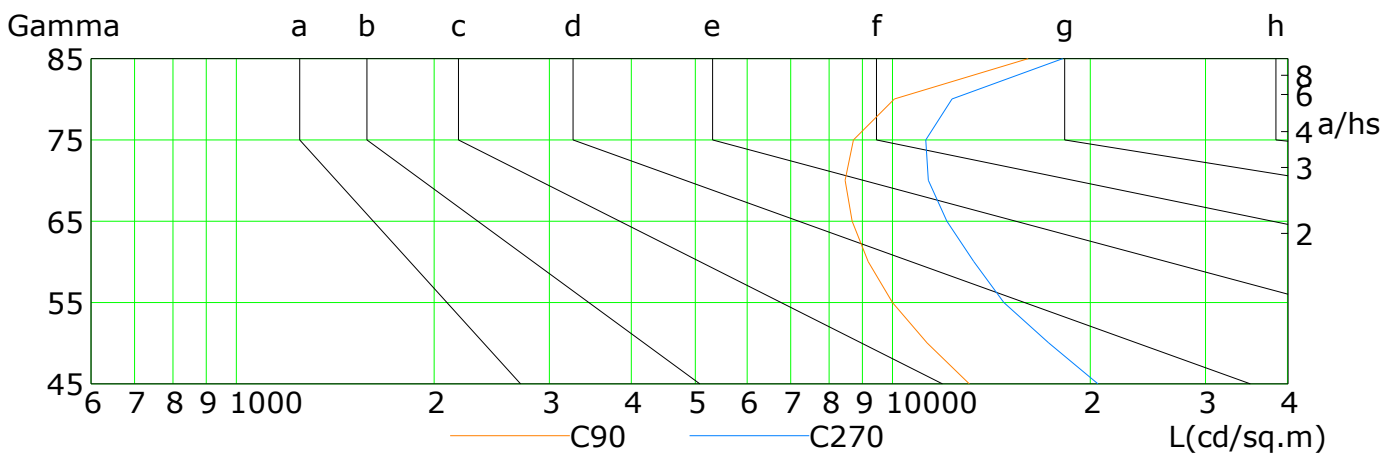
C Plane (°):0.0-360.0: 30.0
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Temperature: 26
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Test Device: GPM-1800B
Distance: 8.607 m [K=1.0000]
Humidity: 65
Inspector:

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

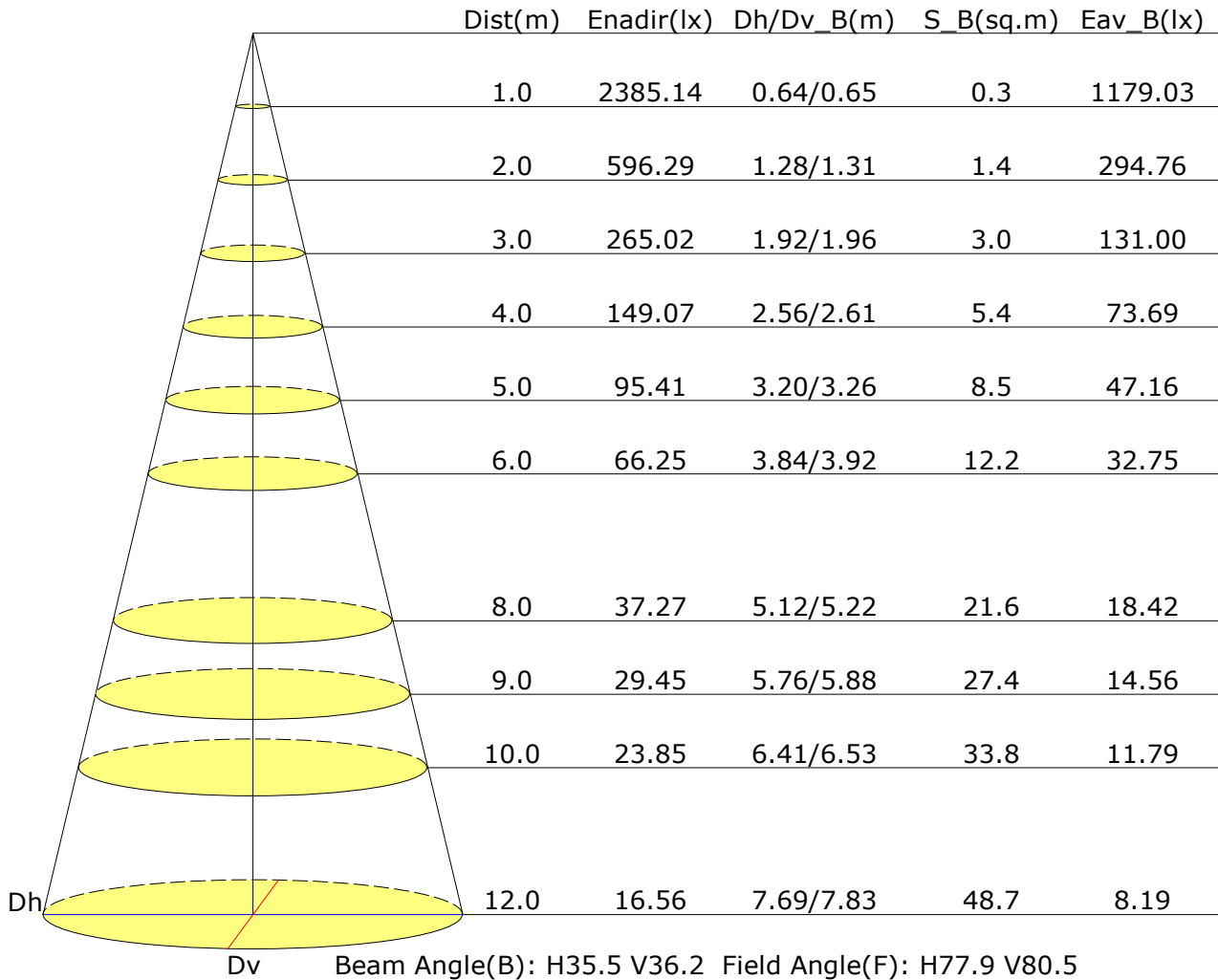


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	16558	13610	11644	10159	8704	7282	6208	5366	4218
C90	13083	11274	9994	9180	8681	8473	8706	10069	16081
C180	12749	10785	9356	8417	7435	6394	5752	5422	4839
C270	20561	17275	14790	13301	12098	11331	11238	12329	18176

C Plane (°):0.0-360.0: 30.0
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Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.607 m [K=1.0000]
Humidity: 65
Inspector:

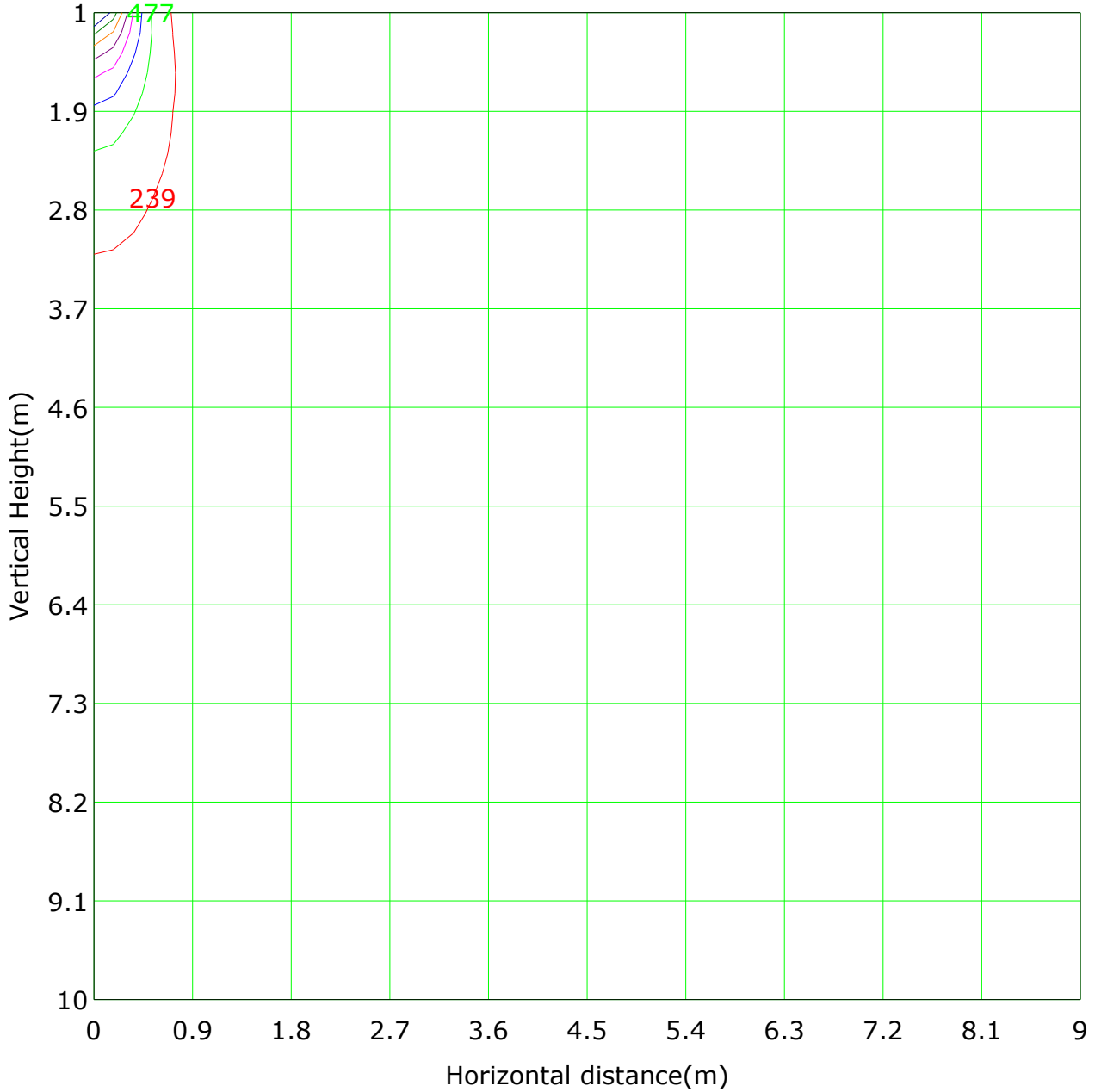
Illuminance at a Distance



C Plane (°):0.0-360.0: 30.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.607 m [K=1.0000]
Humidity: 65
Inspector:

Vertical IsoLux Plot

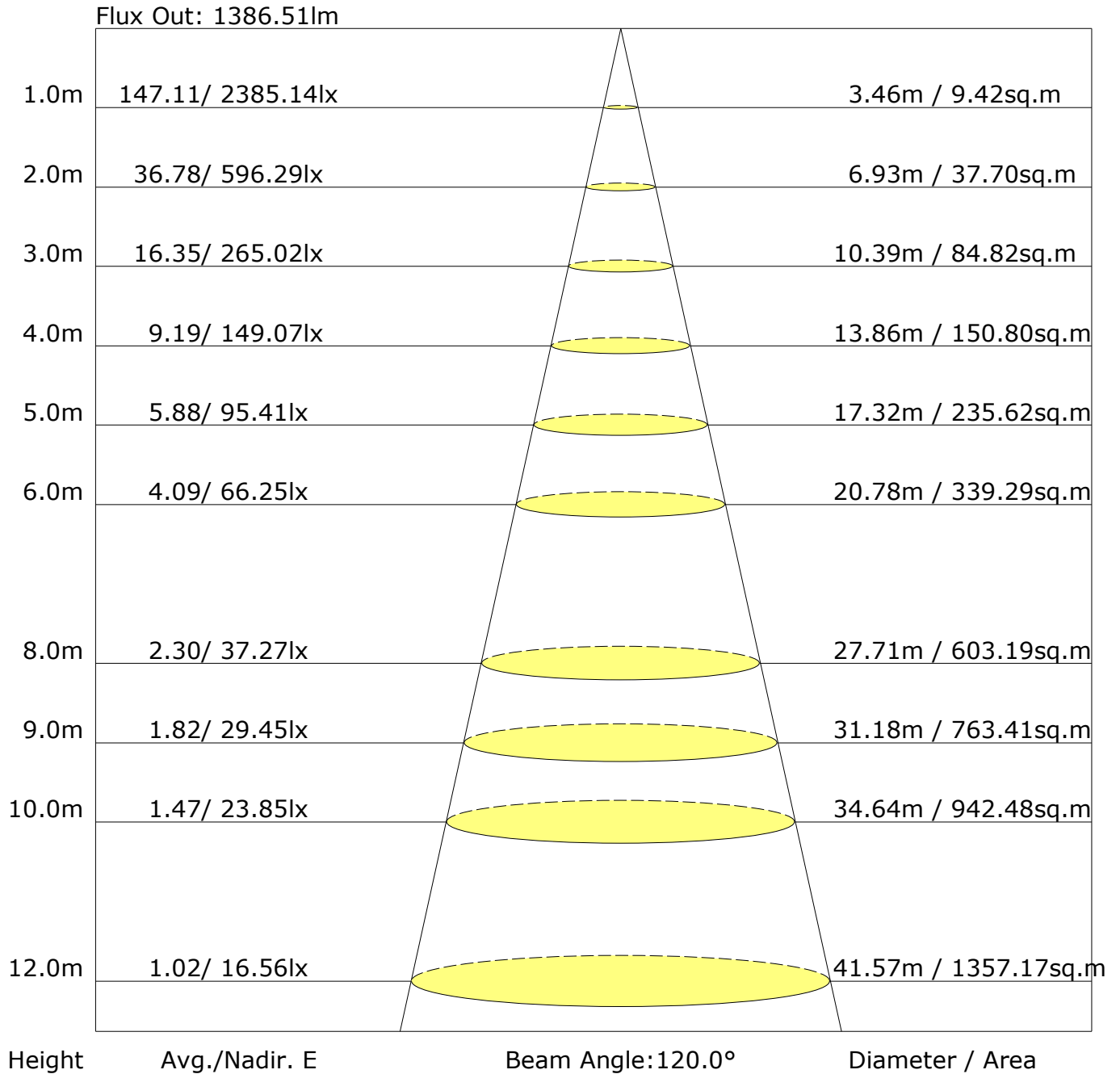


Lowest(m): 1.0m	Highest(m): 10.0m	Max Lux: 2385.1 lx
— (10%): 238.5 lx	— (20%): 477.0 lx	
— (30%): 715.5 lx	— (40%): 954.1 lx	
— (50%): 1192.6 lx	— (60%): 1431.1 lx	
— (70%): 1669.6 lx	— (80%): 1908.1 lx	

C Plane (°): 0.0-360.0: 30.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°): 0.0-180.0: 1.0
Test Device: GPM-1800B
Distance: 8.607 m [K=1.0000]
Humidity: 65
Inspector:

The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 30.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.607 m [K=1.0000]
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	18.9	19.9	19.2	20.1	20.4	19.3	20.2	19.6	20.5	20.8
3H	19.7	20.5	20.0	20.8	21.2	20.3	21.2	20.6	21.5	21.8
4H	20.0	20.8	20.3	21.1	21.5	20.8	21.6	21.2	21.9	22.3
6H	20.2	20.9	20.6	21.3	21.7	21.3	22.1	21.7	22.4	22.8
8H	20.2	21.0	20.6	21.3	21.7	21.6	22.3	22.0	22.7	23.1
12H	20.2	20.9	20.7	21.3	21.7	21.9	22.7	22.4	23.0	23.4
X=4H Y=2H	19.4	20.2	19.7	20.5	20.9	19.7	20.5	20.0	20.8	21.2
3H	20.4	21.1	20.8	21.5	21.9	20.9	21.6	21.3	22.0	22.4
4H	20.8	21.4	21.3	21.9	22.3	21.6	22.2	22.0	22.6	23.1
6H	21.2	21.7	21.6	22.2	22.6	22.3	22.8	22.8	23.3	23.8
8H	21.3	21.8	21.8	22.3	22.7	22.7	23.2	23.2	23.6	24.1
12H	21.4	21.8	21.9	22.3	22.8	23.1	23.6	23.6	24.1	24.6
X=8H Y=4H	21.1	21.7	21.6	22.1	22.6	21.8	22.3	22.3	22.8	23.3
6H	21.7	22.1	22.2	22.6	23.1	22.7	23.1	23.2	23.6	24.2
8H	21.9	22.3	22.5	22.8	23.4	23.3	23.6	23.8	24.1	24.7
12H	22.1	22.5	22.7	23.0	23.6	23.9	24.2	24.4	24.7	25.3
X=12H Y=4H	21.2	21.6	21.7	22.1	22.6	21.8	22.3	22.3	22.8	23.3
6H	21.8	22.2	22.4	22.7	23.3	22.8	23.2	23.3	23.7	24.2
8H	22.2	22.5	22.7	23.0	23.6	23.4	23.7	24.0	24.3	24.8
Variations with the observer position at spacings:										
S=1.0H	+0.3/-0.5					+0.5/-0.4				
S=1.5H	+0.8/-0.9					+1.0/-0.9				
S=2.0H	+1.4/-1.5					+1.8/-1.5				

Calculate in accordance with CIE Pub.117. The table is revised with 1568lm ($8\log(F/F_0) = 1.6$).

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	2383.0	2.3	2.3	0.15	0.15
1.0-2.0	2372.5	6.8	9.1	0.43	0.58
2.0-3.0	2351.2	11.2	20.3	0.72	1.30
3.0-4.0	2320.2	15.5	35.9	0.99	2.29
4.0-5.0	2278.4	19.6	55.5	1.25	3.54
5.0-6.0	2227.5	23.4	78.9	1.49	5.03
6.0-7.0	2168.3	26.9	105.8	1.72	6.75
7.0-8.0	2100.6	30.1	135.9	1.92	8.66
8.0-9.0	2027.0	32.9	168.7	2.10	10.76
9.0-10.0	1947.9	35.3	204.0	2.25	13.01
10.0-11.0	1863.6	37.2	241.2	2.37	15.38
11.0-12.0	1776.8	38.8	280.1	2.48	17.86
12.0-13.0	1687.4	40.1	320.1	2.55	20.41
13.0-14.0	1597.4	40.9	361.0	2.61	23.02
14.0-15.0	1507.5	41.4	402.4	2.64	25.66
15.0-16.0	1416.9	41.5	443.9	2.65	28.31
16.0-17.0	1328.6	41.4	485.3	2.64	30.95
17.0-18.0	1243.3	41.0	526.3	2.61	33.56
18.0-19.0	1160.2	40.4	566.7	2.57	36.13
19.0-20.0	1080.5	39.6	606.2	2.52	38.66
20.0-21.0	1004.5	38.6	644.8	2.46	41.12
21.0-22.0	932.0	37.5	682.3	2.39	43.50
22.0-23.0	864.2	36.3	718.5	2.31	45.82
23.0-24.0	802.0	35.1	753.6	2.24	48.05
24.0-25.0	742.9	33.8	787.4	2.15	50.21
25.0-26.0	686.6	32.4	819.8	2.07	52.27
26.0-27.0	635.2	31.1	850.9	1.98	54.26
27.0-28.0	587.5	29.7	880.6	1.90	56.15
28.0-29.0	543.5	28.4	909.1	1.81	57.97
29.0-30.0	503.1	27.2	936.2	1.73	59.70
30.0-31.0	465.6	25.9	962.1	1.65	61.35
31.0-32.0	431.9	24.7	986.9	1.58	62.93
32.0-33.0	401.6	23.7	1010.6	1.51	64.44
33.0-34.0	373.5	22.6	1033.2	1.44	65.88
34.0-35.0	347.7	21.6	1054.8	1.38	67.26
35.0-36.0	323.9	20.6	1075.4	1.32	68.57

C Plane (°):0.0-360.0: 30.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.607 m [K=1.0000]
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	302.2	19.7	1095.1	1.26	69.83
37.0-38.0	282.7	18.9	1114.0	1.20	71.03
38.0-39.0	265.2	18.1	1132.1	1.15	72.19
39.0-40.0	248.8	17.4	1149.4	1.11	73.29
40.0-41.0	233.8	16.7	1166.1	1.06	74.35
41.0-42.0	220.2	16.0	1182.1	1.02	75.37
42.0-43.0	207.5	15.4	1197.4	0.98	76.35
43.0-44.0	195.7	14.8	1212.2	0.94	77.30
44.0-45.0	184.9	14.2	1226.4	0.91	78.20
45.0-46.0	175.1	13.7	1240.1	0.87	79.08
46.0-47.0	165.8	13.2	1253.3	0.84	79.92
47.0-48.0	157.0	12.7	1266.0	0.81	80.73
48.0-49.0	148.9	12.2	1278.2	0.78	81.51
49.0-50.0	141.3	11.8	1290.0	0.75	82.26
50.0-51.0	134.2	11.4	1301.4	0.72	82.98
51.0-52.0	127.5	10.9	1312.3	0.70	83.68
52.0-53.0	121.2	10.5	1322.9	0.67	84.35
53.0-54.0	115.2	10.2	1333.0	0.65	85.00
54.0-55.0	109.5	9.8	1342.8	0.62	85.62
55.0-56.0	104.3	9.4	1352.2	0.60	86.22
56.0-57.0	99.2	9.1	1361.3	0.58	86.80
57.0-58.0	94.4	8.7	1370.0	0.56	87.36
58.0-59.0	89.9	8.4	1378.4	0.54	87.89
59.0-60.0	85.7	8.1	1386.5	0.52	88.41
60.0-61.0	81.6	7.8	1394.3	0.50	88.91
61.0-62.0	77.7	7.5	1401.8	0.48	89.38
62.0-63.0	74.0	7.2	1409.0	0.46	89.84
63.0-64.0	70.4	6.9	1415.9	0.44	90.28
64.0-65.0	66.8	6.6	1422.5	0.42	90.71
65.0-66.0	63.3	6.3	1428.8	0.40	91.11
66.0-67.0	60.0	6.0	1434.9	0.38	91.49
67.0-68.0	56.8	5.8	1440.6	0.37	91.86
68.0-69.0	53.8	5.5	1446.1	0.35	92.21
69.0-70.0	50.9	5.2	1451.3	0.33	92.54
70.0-71.0	48.0	5.0	1456.3	0.32	92.86
71.0-72.0	45.3	4.7	1461.0	0.30	93.16

C Plane (°):0.0-360.0: 30.0
Test Lab: Inventfine instrument
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Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.607 m [K=1.0000]
Humidity: 65
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	42.7	4.5	1465.5	0.28	93.45
73.0-74.0	40.3	4.2	1469.7	0.27	93.72
74.0-75.0	37.9	4.0	1473.7	0.26	93.97
75.0-76.0	35.7	3.8	1477.5	0.24	94.21
76.0-77.0	33.5	3.6	1481.1	0.23	94.44
77.0-78.0	31.5	3.4	1484.5	0.21	94.66
78.0-79.0	29.6	3.2	1487.6	0.20	94.86
79.0-80.0	27.6	3.0	1490.6	0.19	95.05
80.0-81.0	25.8	2.8	1493.4	0.18	95.23
81.0-82.0	24.0	2.6	1496.0	0.17	95.39
82.0-83.0	22.4	2.4	1498.4	0.16	95.55
83.0-84.0	20.9	2.3	1500.7	0.14	95.69
84.0-85.0	19.5	2.1	1502.8	0.14	95.83
85.0-86.0	18.1	2.0	1504.8	0.13	95.95
86.0-87.0	16.9	1.9	1506.7	0.12	96.07
87.0-88.0	15.8	1.7	1508.4	0.11	96.18
88.0-89.0	14.8	1.6	1510.0	0.10	96.29
89.0-90.0	14.0	1.5	1511.6	0.10	96.38
90.0-91.0	13.5	1.5	1513.1	0.09	96.48
91.0-92.0	13.1	1.4	1514.5	0.09	96.57
92.0-93.0	12.5	1.4	1515.9	0.09	96.66
93.0-94.0	11.8	1.3	1517.2	0.08	96.74
94.0-95.0	10.9	1.2	1518.3	0.08	96.82
95.0-96.0	10.1	1.1	1519.4	0.07	96.89
96.0-97.0	9.7	1.1	1520.5	0.07	96.95
97.0-98.0	9.7	1.1	1521.5	0.07	97.02
98.0-99.0	9.8	1.1	1522.6	0.07	97.09
99.0-100.0	9.9	1.1	1523.7	0.07	97.16
100.0-101.0	9.9	1.1	1524.7	0.07	97.22
101.0-102.0	9.8	1.1	1525.8	0.07	97.29
102.0-103.0	9.8	1.1	1526.8	0.07	97.36
103.0-104.0	10.1	1.1	1527.9	0.07	97.43
104.0-105.0	10.5	1.1	1529.0	0.07	97.50
105.0-106.0	10.8	1.1	1530.2	0.07	97.57
106.0-107.0	10.9	1.1	1531.3	0.07	97.64
107.0-108.0	10.9	1.1	1532.5	0.07	97.72

C Plane (°):0.0-360.0: 30.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.607 m [K=1.0000]
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	10.9	1.1	1533.6	0.07	97.79
109.0-110.0	10.8	1.1	1534.7	0.07	97.86
110.0-111.0	10.6	1.1	1535.8	0.07	97.93
111.0-112.0	10.3	1.1	1536.9	0.07	98.00
112.0-113.0	10.1	1.0	1537.9	0.06	98.06
113.0-114.0	9.9	1.0	1538.9	0.06	98.12
114.0-115.0	9.8	1.0	1539.8	0.06	98.19
115.0-116.0	9.7	1.0	1540.8	0.06	98.25
116.0-117.0	9.7	1.0	1541.7	0.06	98.31
117.0-118.0	9.7	0.9	1542.7	0.06	98.37
118.0-119.0	9.7	0.9	1543.6	0.06	98.43
119.0-120.0	9.7	0.9	1544.5	0.06	98.49
120.0-121.0	9.6	0.9	1545.5	0.06	98.54
121.0-122.0	9.6	0.9	1546.4	0.06	98.60
122.0-123.0	9.6	0.9	1547.2	0.06	98.66
123.0-124.0	9.5	0.9	1548.1	0.06	98.71
124.0-125.0	9.5	0.9	1549.0	0.05	98.77
125.0-126.0	9.4	0.8	1549.8	0.05	98.82
126.0-127.0	9.4	0.8	1550.6	0.05	98.87
127.0-128.0	9.3	0.8	1551.4	0.05	98.93
128.0-129.0	9.1	0.8	1552.2	0.05	98.98
129.0-130.0	8.9	0.8	1553.0	0.05	99.02
130.0-131.0	8.7	0.7	1553.7	0.05	99.07
131.0-132.0	8.4	0.7	1554.4	0.04	99.11
132.0-133.0	8.1	0.7	1555.0	0.04	99.16
133.0-134.0	7.7	0.6	1555.7	0.04	99.20
134.0-135.0	7.3	0.6	1556.2	0.04	99.23
135.0-136.0	7.0	0.5	1556.8	0.03	99.27
136.0-137.0	6.8	0.5	1557.3	0.03	99.30
137.0-138.0	6.5	0.5	1557.8	0.03	99.33
138.0-139.0	6.3	0.5	1558.2	0.03	99.36
139.0-140.0	6.0	0.4	1558.6	0.03	99.39
140.0-141.0	5.8	0.4	1559.1	0.03	99.41
141.0-142.0	5.7	0.4	1559.4	0.02	99.44
142.0-143.0	5.6	0.4	1559.8	0.02	99.46
143.0-144.0	5.6	0.4	1560.2	0.02	99.48

C Plane (°):0.0-360.0: 30.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.607 m [K=1.0000]
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	5.6	0.4	1560.5	0.02	99.51
145.0-146.0	5.6	0.3	1560.9	0.02	99.53
146.0-147.0	5.7	0.3	1561.2	0.02	99.55
147.0-148.0	5.8	0.3	1561.6	0.02	99.57
148.0-149.0	5.9	0.3	1561.9	0.02	99.59
149.0-150.0	6.0	0.3	1562.2	0.02	99.61
150.0-151.0	6.2	0.3	1562.6	0.02	99.64
151.0-152.0	6.3	0.3	1562.9	0.02	99.66
152.0-153.0	6.5	0.3	1563.2	0.02	99.68
153.0-154.0	6.6	0.3	1563.5	0.02	99.70
154.0-155.0	6.8	0.3	1563.9	0.02	99.72
155.0-156.0	6.9	0.3	1564.2	0.02	99.74
156.0-157.0	7.0	0.3	1564.5	0.02	99.76
157.0-158.0	7.1	0.3	1564.8	0.02	99.78
158.0-159.0	7.2	0.3	1565.1	0.02	99.80
159.0-160.0	7.3	0.3	1565.4	0.02	99.81
160.0-161.0	7.4	0.3	1565.6	0.02	99.83
161.0-162.0	7.5	0.3	1565.9	0.02	99.85
162.0-163.0	7.5	0.2	1566.1	0.02	99.86
163.0-164.0	7.6	0.2	1566.4	0.02	99.88
164.0-165.0	7.7	0.2	1566.6	0.01	99.89
165.0-166.0	7.7	0.2	1566.8	0.01	99.91
166.0-167.0	7.7	0.2	1567.0	0.01	99.92
167.0-168.0	7.8	0.2	1567.2	0.01	99.93
168.0-169.0	7.8	0.2	1567.4	0.01	99.94
169.0-170.0	7.9	0.2	1567.5	0.01	99.95
170.0-171.0	7.9	0.1	1567.7	0.01	99.96
171.0-172.0	7.9	0.1	1567.8	0.01	99.97
172.0-173.0	8.0	0.1	1567.9	0.01	99.98
173.0-174.0	8.0	0.1	1568.0	0.01	99.98
174.0-175.0	8.0	0.1	1568.1	0.01	99.99
175.0-176.0	8.0	0.1	1568.2	0.00	99.99
176.0-177.0	8.1	0.1	1568.2	0.00	100.00
177.0-178.0	8.1	0.0	1568.2	0.00	100.00
178.0-179.0	8.1	0.0	1568.3	0.00	100.00
179.0-180.0	8.1	0.0	1568.3	0.00	100.00

C Plane (°):0.0-360.0: 30.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.607 m [K=1.0000]
Humidity: 65
Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 1226.43 lm

%lum = 78.2%

%lamp = 78.2%

cone flux(120°): 1386.51 lm

%lum = 88.4%

%lamp = 88.4%

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	2385.1	2385.1	2385.1	2385.1	2385.1	2385.1	2385.1	2385.1	2385.1	2385.1
G1.0	2380.8	2368.1	2356.2	2350.1	2352.0	2373.6	2377.6	2391.7	2404.0	2409.8
G2.0	2366.2	2337.5	2312.7	2301.2	2305.3	2340.6	2360.6	2387.6	2412.1	2424.4
G3.0	2341.0	2299.4	2263.4	2247.5	2254.0	2297.9	2332.9	2370.8	2409.6	2428.2
G4.0	2302.6	2252.5	2206.2	2186.1	2194.8	2241.6	2291.1	2345.4	2396.1	2421.9
G5.0	2258.0	2191.2	2134.5	2110.7	2121.6	2181.7	2244.2	2305.6	2369.3	2403.0
G6.0	2204.7	2126.8	2061.3	2034.5	2047.8	2106.6	2182.3	2259.2	2335.1	2375.7
G7.0	2138.1	2055.9	1983.2	1953.8	1968.7	2011.6	2115.9	2203.6	2290.0	2337.7
G8.0	2070.9	1971.5	1891.6	1860.6	1877.6	1933.0	2044.1	2132.6	2230.8	2286.2
G9.0	1990.6	1890.6	1805.0	1772.6	1791.2	1841.4	1965.2	2060.3	2168.7	2230.7
G10.0	1880.6	1806.8	1716.9	1673.5	1703.2	1760.1	1872.4	1981.1	2098.4	2167.4
G11.0	1799.8	1711.1	1617.4	1582.9	1604.5	1676.2	1783.4	1896.6	2013.3	2090.0
G12.0	1708.4	1622.0	1525.8	1482.6	1513.9	1585.5	1692.2	1799.0	1931.0	2013.6
G13.0	1623.4	1532.4	1426.0	1391.7	1423.3	1493.9	1590.2	1708.5	1845.1	1925.3
G14.0	1554.8	1435.4	1337.9	1302.8	1325.3	1403.4	1497.9	1607.0	1748.3	1842.0
G15.0	1459.9	1348.8	1251.9	1216.8	1239.2	1305.2	1396.2	1514.0	1657.8	1755.9
G16.0	1383.8	1264.8	1160.8	1126.1	1155.3	1218.6	1305.8	1422.0	1557.9	1659.8
G17.0	1300.6	1175.8	1081.4	1047.4	1075.0	1134.5	1217.7	1322.1	1467.8	1572.0
G18.0	1211.8	1097.6	1005.8	972.0	989.9	1053.1	1124.1	1234.3	1379.7	1484.8
G19.0	1134.7	1024.4	927.9	894.6	917.7	969.2	1042.6	1149.1	1284.0	1390.0
G20.0	1044.2	947.6	861.6	828.5	842.6	896.4	964.9	1068.1	1200.4	1306.5
G21.0	969.0	882.3	799.0	767.0	771.3	828.3	891.1	982.5	1119.6	1224.6
G22.0	904.7	821.3	735.4	704.4	713.1	765.2	815.1	909.2	1034.9	1138.4
G23.0	852.0	757.4	681.7	650.9	653.0	693.3	750.5	840.4	962.5	1064.0
G24.0	793.8	703.2	631.4	601.3	608.4	637.5	690.9	776.6	894.4	993.3
G25.0	738.7	647.6	580.0	555.7	560.6	586.4	630.5	711.6	824.0	926.6
G26.0	671.2	601.1	537.2	509.9	517.2	539.9	579.4	656.4	763.9	857.0
G27.0	624.3	557.8	498.1	471.7	473.3	497.4	533.0	600.8	708.5	798.5
G28.0	579.6	516.6	460.9	435.7	436.1	456.6	486.2	554.3	652.0	743.6
G29.0	539.0	475.7	427.5	403.4	402.8	420.1	447.4	511.7	604.4	687.3
G30.0	501.5	441.8	397.0	374.1	369.1	383.1	411.3	471.7	559.6	639.0
G31.0	464.2	411.5	367.1	345.6	339.9	351.4	375.8	431.8	514.9	595.0
G32.0	437.8	381.1	342.5	322.4	316.3	325.6	346.8	399.0	477.8	550.4
G33.0	405.5	355.4	319.6	298.6	294.4	302.7	320.3	368.9	443.3	512.4
G34.0	378.6	332.0	296.9	279.4	275.5	281.4	296.2	338.8	411.9	477.6
G35.0	353.9	308.6	278.4	261.9	257.5	262.1	272.6	314.0	380.1	442.9
G36.0	328.9	289.2	261.5	246.0	241.2	244.6	253.6	291.8	354.2	410.8

C Plane (°):0.0-360.0: 30.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.607 m [K=1.0000]
Humidity: 65
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	308.0	271.3	244.4	229.8	222.8	227.1	236.5	271.8	330.5	384.0
G38.0	288.8	255.0	230.3	216.6	209.6	213.0	221.1	252.1	309.2	361.7
G39.0	271.2	238.7	217.4	204.7	197.7	200.0	206.1	236.3	287.9	339.3
G40.0	253.4	224.9	204.5	192.6	188.7	188.5	193.7	221.8	270.1	316.7
G41.0	238.6	212.3	193.6	182.5	177.6	176.9	181.5	207.4	252.5	296.1
G42.0	224.5	200.4	183.3	173.0	168.2	167.2	171.2	194.1	237.7	278.8
G43.0	210.4	188.5	173.8	164.4	158.1	156.9	161.8	183.2	224.1	261.1
G44.0	198.5	178.4	164.3	155.5	150.3	148.1	153.1	172.3	211.5	247.8
G45.0	187.3	169.0	156.0	148.0	142.4	140.6	144.2	164.7	198.9	232.6
G46.0	177.0	159.3	148.4	140.9	135.6	135.1	136.8	156.1	188.3	220.1
G47.0	166.3	151.1	140.5	133.7	129.2	127.9	129.9	147.4	178.4	208.4
G48.0	157.2	143.5	133.7	127.4	122.6	121.8	122.7	138.4	169.2	197.4
G49.0	148.7	136.1	127.2	121.5	116.9	116.0	117.3	131.5	159.8	187.2
G50.0	140.0	128.7	121.2	115.9	112.8	110.6	110.9	125.1	151.9	177.7
G51.0	132.6	122.4	115.1	110.7	107.7	105.5	105.5	119.1	143.8	167.0
G52.0	125.7	116.4	109.8	105.3	102.9	100.2	100.4	113.5	136.8	158.6
G53.0	119.1	110.3	104.8	100.6	98.0	95.7	95.1	108.0	130.2	150.8
G54.0	112.4	105.0	99.6	96.3	93.7	91.4	90.6	102.2	123.5	142.7
G55.0	106.9	100.1	95.3	91.7	89.8	87.3	85.9	97.3	117.7	135.7
G56.0	101.5	95.6	91.1	87.8	85.6	82.3	81.9	92.9	112.3	129.1
G57.0	95.8	90.7	87.1	84.0	82.0	78.7	78.1	88.1	106.5	122.3
G58.0	90.9	86.5	82.9	80.1	78.6	75.3	74.2	84.1	101.7	116.4
G59.0	86.3	82.5	79.4	76.7	74.3	71.8	70.7	80.3	97.1	110.8
G60.0	81.3	78.4	75.9	73.4	71.3	68.8	67.3	76.7	92.3	106.4
G61.0	76.8	74.7	72.2	70.3	68.4	65.8	63.8	72.9	88.3	100.9
G62.0	72.4	71.2	69.1	67.1	65.6	63.4	60.6	69.7	84.3	96.0
G63.0	67.9	67.8	66.1	64.1	63.3	60.7	57.2	66.6	80.1	90.9
G64.0	63.6	64.5	63.1	61.3	60.8	58.0	53.6	63.3	76.6	86.0
G65.0	58.9	61.0	59.9	58.7	58.2	55.6	50.3	60.5	72.9	81.8
G66.0	54.6	57.8	57.2	55.8	55.3	52.9	47.0	57.8	69.5	77.3
G67.0	50.8	54.9	54.5	53.4	52.7	50.6	43.6	54.8	66.3	73.1
G68.0	46.7	51.8	51.9	51.0	50.5	48.4	40.7	52.3	62.9	69.4
G69.0	43.2	49.0	49.1	48.5	48.4	46.1	37.9	49.8	59.8	65.8
G70.0	39.8	46.3	46.7	46.4	46.1	44.0	35.0	47.5	56.9	62.0
G71.0	36.4	43.5	44.3	44.2	44.1	42.0	32.5	44.9	54.0	58.6
G72.0	33.5	41.0	41.8	41.9	42.6	39.8	30.1	42.7	51.0	55.5
G73.0	30.7	38.6	39.6	39.9	40.4	38.0	28.1	40.6	48.4	52.3

C Plane (°):0.0-360.0: 30.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.607 m [K=1.0000]
 Humidity: 65
 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	28.1	36.3	37.6	38.0	38.6	36.1	25.8	38.4	45.6	49.3
G75.0	25.7	33.8	35.5	36.1	36.7	34.0	23.8	36.4	43.2	46.5
G76.0	23.5	31.7	33.7	34.1	34.9	32.3	22.0	34.5	40.6	43.7
G77.0	21.2	29.7	31.8	32.4	33.2	30.6	20.3	32.5	38.4	41.2
G78.0	19.1	27.8	29.8	30.8	31.5	29.4	18.7	30.7	36.2	38.9
G79.0	17.0	26.0	28.2	29.4	29.6	27.8	17.0	29.0	34.1	36.6
G80.0	14.9	24.2	26.6	28.0	27.9	26.2	15.1	27.4	31.9	34.3
G81.0	12.7	22.6	25.2	26.7	26.5	24.6	13.3	25.5	30.1	32.2
G82.0	10.8	20.9	23.9	25.4	25.2	23.1	11.5	23.9	28.3	30.4
G83.0	9.0	19.3	22.8	24.3	23.9	21.7	9.6	22.3	26.6	28.6
G84.0	7.3	17.8	21.6	23.3	22.8	20.3	8.1	20.8	24.9	26.9
G85.0	5.9	16.5	20.6	22.4	21.8	19.0	6.7	19.3	23.4	25.3
G86.0	4.4	15.4	19.9	21.6	20.7	17.7	5.5	17.7	21.9	23.8
G87.0	3.1	14.3	19.1	21.0	20.0	16.4	4.4	16.4	20.6	22.4
G88.0	1.8	13.6	18.3	20.4	19.3	15.5	3.1	15.0	19.4	21.2
G89.0	0.6	12.7	17.7	20.0	18.7	14.5	1.9	14.0	18.3	20.2
G90.0	0.0	12.5	17.7	19.7	18.4	13.6	0.8	12.9	17.5	19.4
G91.0	0.0	12.5	17.7	19.8	18.4	13.2	0.6	12.3	16.8	18.9
G92.0	0.0	10.8	18.0	19.9	18.4	12.8	0.6	11.7	16.4	18.6
G93.0	0.0	9.5	18.4	20.2	18.6	11.8	0.5	8.9	15.7	18.3
G94.0	0.0	9.3	17.7	20.4	18.4	9.0	0.6	7.5	14.5	17.2
G95.0	0.0	8.9	15.3	19.6	16.8	8.5	0.6	6.4	12.8	15.2
G96.0	0.0	8.7	14.3	17.6	14.7	7.6	0.5	5.9	12.6	14.4
G97.0	0.0	8.5	14.5	15.9	14.3	6.9	0.5	6.0	12.8	14.4
G98.0	0.0	8.9	14.7	15.9	14.3	6.8	0.7	5.8	12.9	14.5
G99.0	0.0	8.3	14.6	16.0	14.2	6.8	0.7	6.9	13.0	14.8
G100.0	0.0	7.8	14.5	15.9	14.0	7.7	0.7	7.3	12.9	15.1
G101.0	0.0	7.0	14.4	15.8	13.6	7.7	0.7	7.3	13.0	15.5
G102.0	0.0	4.2	14.7	15.4	13.5	7.6	0.8	7.6	13.1	15.9
G103.0	0.0	4.7	14.9	15.6	13.5	7.7	0.8	7.7	13.3	16.3
G104.0	0.0	7.0	15.5	15.7	13.6	7.9	0.8	7.8	13.5	16.5
G105.0	0.0	8.6	15.9	15.9	13.9	7.9	0.8	7.9	13.9	16.8
G106.0	0.0	8.7	15.9	16.0	14.4	8.0	1.0	7.9	14.5	17.2
G107.0	0.0	8.7	15.7	16.1	14.3	8.1	1.0	7.9	14.7	17.4
G108.0	0.0	8.5	15.4	16.3	14.4	8.0	1.0	7.8	14.7	17.8
G109.0	0.5	8.3	14.8	16.7	14.4	7.8	1.0	7.7	14.8	17.9
G110.0	0.5	8.1	14.1	16.4	14.4	7.7	1.1	7.5	14.7	17.9

C Plane (°):0.0-360.0: 30.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.607 m [K=1.0000]
Humidity: 65
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	0.6	7.7	12.9	16.1	14.3	7.4	1.1	7.3	14.6	17.7
G112.0	0.6	7.2	11.5	16.0	14.2	7.0	1.2	7.1	14.4	17.7
G113.0	0.7	6.4	10.8	16.0	14.1	6.8	1.3	6.7	14.3	17.7
G114.0	0.8	6.0	11.1	15.9	13.9	6.3	1.4	6.4	14.1	17.8
G115.0	0.8	5.5	11.3	15.9	13.8	5.8	1.4	6.0	14.2	17.9
G116.0	0.9	5.1	11.7	15.9	13.8	5.3	1.5	5.7	14.2	18.1
G117.0	1.0	4.7	14.2	16.0	13.8	4.9	1.6	5.3	14.3	18.3
G118.0	1.0	4.3	14.3	16.0	13.8	4.5	1.7	5.0	14.4	18.6
G119.0	1.1	3.8	14.7	16.0	13.9	4.1	1.8	4.7	14.5	18.8
G120.0	1.2	3.2	14.7	16.1	13.9	3.9	1.9	4.4	14.7	19.1
G121.0	1.3	2.8	14.8	16.1	14.1	3.5	1.9	4.1	14.8	19.3
G122.0	1.4	2.5	14.8	16.0	14.1	3.2	2.1	3.9	14.8	19.6
G123.0	1.6	2.3	14.8	16.0	14.1	3.1	2.2	3.6	15.1	19.8
G124.0	1.6	2.3	14.3	16.0	14.0	3.1	2.3	3.4	15.0	20.0
G125.0	1.7	2.3	14.5	16.0	13.8	3.1	2.3	3.0	15.1	20.2
G126.0	1.8	2.4	14.3	16.0	13.5	3.2	2.4	2.9	15.0	20.4
G127.0	2.0	2.4	14.2	16.1	13.1	3.2	2.5	2.8	14.7	20.5
G128.0	2.1	2.5	13.7	15.8	12.6	3.4	2.6	2.8	14.4	20.5
G129.0	2.3	2.6	13.1	15.5	11.9	3.5	2.8	2.8	13.9	20.4
G130.0	2.4	2.7	12.5	15.5	11.4	3.6	2.9	2.8	13.3	20.1
G131.0	2.5	2.9	11.7	15.4	10.8	3.7	3.0	2.9	12.7	19.8
G132.0	2.7	3.0	11.0	15.0	9.8	3.8	3.2	2.9	12.0	19.3
G133.0	2.9	3.1	10.3	14.2	8.9	4.0	3.3	3.1	11.2	18.8
G134.0	3.0	3.3	9.5	12.6	8.2	4.2	3.5	3.2	10.4	17.9
G135.0	3.1	3.5	8.5	11.4	7.8	4.4	3.6	3.4	9.7	17.0
G136.0	3.2	3.6	7.3	11.6	7.2	4.6	3.7	3.5	9.0	15.9
G137.0	3.5	3.9	6.5	12.2	6.7	4.8	3.9	3.7	8.3	14.5
G138.0	3.6	4.0	5.9	11.5	6.4	5.0	4.1	3.8	7.7	13.2
G139.0	3.8	4.3	5.5	10.4	6.2	5.1	4.2	4.0	7.1	11.9
G140.0	4.0	4.5	5.5	9.3	6.2	5.3	4.3	4.1	6.3	10.9
G141.0	4.2	4.6	5.4	8.4	6.2	5.6	4.5	4.3	5.8	10.0
G142.0	4.3	4.8	5.6	7.6	6.3	5.8	4.6	4.4	5.5	8.9
G143.0	4.5	5.0	5.7	7.1	6.4	5.9	4.7	4.6	5.4	8.0
G144.0	4.7	5.2	5.8	6.8	6.5	6.1	4.9	4.7	5.3	7.1
G145.0	4.9	5.3	5.9	6.9	6.5	6.3	5.0	4.9	5.3	6.4
G146.0	5.0	5.5	6.0	6.8	6.6	6.5	5.1	5.1	5.2	5.9
G147.0	5.2	5.7	6.1	6.9	6.6	6.6	5.2	5.2	5.3	5.7

C Plane (°):0.0-360.0: 30.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.607 m [K=1.0000]
Humidity: 65
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	5.3	5.8	6.3	6.9	6.9	6.8	5.1	5.4	5.4	5.6
G149.0	5.5	6.0	6.4	7.0	7.0	6.9	5.6	5.5	5.5	5.6
G150.0	5.7	6.2	6.6	7.1	7.2	6.9	5.7	5.7	5.6	5.6
G151.0	5.8	6.3	6.8	7.2	7.4	7.2	5.8	5.8	5.8	5.7
G152.0	6.0	6.4	6.9	7.4	7.5	7.4	5.9	6.0	6.0	5.8
G153.0	6.1	6.6	7.1	7.6	7.6	7.5	6.0	6.1	6.1	6.0
G154.0	6.3	6.8	7.2	7.7	7.8	7.7	6.2	6.2	6.3	6.1
G155.0	6.4	6.8	7.4	7.8	7.8	7.8	6.2	6.3	6.4	6.3
G156.0	6.5	7.0	7.4	7.8	7.9	7.9	6.4	6.5	6.6	6.5
G157.0	6.7	7.2	7.5	8.0	8.0	8.0	6.4	6.6	6.7	6.6
G158.0	6.8	7.2	7.6	8.1	8.1	8.1	6.7	6.7	6.8	6.7
G159.0	6.9	7.3	7.7	8.1	8.2	8.2	6.7	6.8	6.9	6.8
G160.0	7.0	7.4	7.7	8.1	8.3	8.2	7.0	6.9	7.0	7.0
G161.0	7.1	7.4	7.7	8.2	8.3	8.3	6.9	7.0	7.1	7.1
G162.0	7.2	7.6	7.8	8.2	8.3	8.4	7.0	7.1	7.2	7.1
G163.0	7.3	7.6	7.8	8.3	8.4	8.5	7.1	7.2	7.3	7.2
G164.0	7.4	7.6	7.7	8.2	8.4	8.5	7.3	7.3	7.4	7.3
G165.0	7.5	7.6	7.8	8.2	8.4	8.5	7.3	7.3	7.4	7.3
G166.0	7.6	7.7	7.9	8.2	8.4	8.6	7.4	7.4	7.5	7.4
G167.0	7.6	7.7	7.8	8.2	8.3	8.6	7.3	7.4	7.5	7.4
G168.0	7.8	7.8	7.9	8.2	8.4	8.7	7.4	7.5	7.5	7.5
G169.0	7.8	7.8	7.8	8.1	8.4	8.7	7.5	7.6	7.6	7.5
G170.0	7.9	7.8	7.7	8.1	8.4	8.8	7.7	7.6	7.6	7.6
G171.0	8.0	7.8	7.7	8.1	8.3	8.8	7.9	7.7	7.6	7.6
G172.0	8.0	7.8	7.7	8.1	8.4	8.8	7.8	7.7	7.7	7.6
G173.0	8.1	7.9	7.8	8.1	8.3	8.7	7.8	7.8	7.7	7.6
G174.0	8.2	7.9	7.8	8.0	8.3	8.8	7.9	7.8	7.7	7.7
G175.0	8.2	7.9	7.8	8.0	8.3	8.8	7.9	7.8	7.7	7.7
G176.0	8.2	7.9	7.8	8.0	8.3	8.7	8.0	7.9	7.7	7.7
G177.0	8.2	8.0	7.7	8.0	8.3	8.8	8.0	7.9	7.8	7.8
G178.0	8.3	8.0	7.7	8.0	8.3	8.7	8.2	7.9	7.7	7.8
G179.0	8.2	8.0	7.7	8.1	8.3	8.7	8.1	7.9	7.8	7.8
G180.0	8.2	8.1	7.8	7.9	8.2	8.6	8.1	7.9	7.8	8.0

C Plane (°):0.0-360.0: 30.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.607 m [K=1.0000]
 Humidity: 65
 Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	2385.1	2385.1	2385.1							
G1.0	2407.8	2399.3	2380.8							
G2.0	2421.0	2401.0	2366.2							
G3.0	2422.9	2391.2	2341.0							
G4.0	2414.5	2372.0	2302.6							
G5.0	2394.6	2343.4	2258.0							
G6.0	2366.1	2301.9	2204.7							
G7.0	2324.0	2254.4	2138.1							
G8.0	2277.8	2200.0	2070.9							
G9.0	2223.0	2132.2	1990.6							
G10.0	2154.2	2063.0	1880.6							
G11.0	2085.0	1988.3	1799.8							
G12.0	2010.2	1909.9	1708.4							
G13.0	1924.2	1820.0	1623.4							
G14.0	1842.3	1736.3	1554.8							
G15.0	1758.2	1642.7	1459.9							
G16.0	1646.6	1557.6	1383.8							
G17.0	1561.3	1472.7	1300.6							
G18.0	1476.9	1381.2	1211.8							
G19.0	1399.2	1299.8	1134.7							
G20.0	1316.9	1220.8	1044.2							
G21.0	1236.7	1137.3	969.0							
G22.0	1152.2	1065.0	904.7							
G23.0	1079.2	996.1	852.0							
G24.0	1009.9	925.0	793.8							
G25.0	937.8	864.1	738.7							
G26.0	875.8	806.6	671.2							
G27.0	817.6	747.7	624.3							
G28.0	752.4	697.9	579.6							
G29.0	700.6	651.3	539.0							
G30.0	653.0	603.1	501.5							
G31.0	609.6	563.0	464.2							
G32.0	571.3	525.5	437.8							
G33.0	533.4	487.3	405.5							
G34.0	498.4	455.0	378.6							
G35.0	465.7	425.0	353.9							
G36.0	432.8	397.4	328.9							

C Plane (°):0.0-360.0: 30.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.607 m [K=1.0000]
 Humidity: 65
 Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	405.2	369.6	308.0							
G38.0	380.0	346.8	288.8							
G39.0	354.5	325.7	271.2							
G40.0	333.3	304.4	253.4							
G41.0	313.8	286.6	238.6							
G42.0	295.7	270.2	224.5							
G43.0	278.7	254.7	210.4							
G44.0	261.8	239.0	198.5							
G45.0	247.5	225.7	187.3							
G46.0	234.1	213.4	177.0							
G47.0	220.6	200.8	166.3							
G48.0	208.9	190.1	157.2							
G49.0	198.2	180.1	148.7							
G50.0	187.1	169.8	140.0							
G51.0	177.7	161.2	132.6							
G52.0	168.7	153.0	125.7							
G53.0	159.4	145.3	119.1							
G54.0	151.5	137.3	112.4							
G55.0	143.3	130.6	106.9							
G56.0	136.3	124.2	101.5							
G57.0	129.5	117.5	95.8							
G58.0	123.2	111.8	90.9							
G59.0	116.6	106.3	86.3							
G60.0	110.9	101.1	81.3							
G61.0	105.5	95.9	76.8							
G62.0	99.9	91.1	72.4							
G63.0	95.0	86.5	67.9							
G64.0	90.3	81.7	63.6							
G65.0	85.4	77.5	58.9							
G66.0	81.0	73.0	54.6							
G67.0	76.9	69.0	50.8							
G68.0	72.4	65.3	46.7							
G69.0	68.6	61.2	43.2							
G70.0	64.9	57.6	39.8							
G71.0	60.6	54.1	36.4							
G72.0	57.2	50.8	33.5							
G73.0	53.7	47.4	30.7							

C Plane (°):0.0-360.0: 30.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.607 m [K=1.0000]
 Humidity: 65
 Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	51.1	44.6	28.1							
G75.0	48.1	41.7	25.7							
G76.0	44.9	38.7	23.5							
G77.0	42.2	36.1	21.2							
G78.0	39.6	33.7	19.1							
G79.0	37.2	31.4	17.0							
G80.0	34.6	28.9	14.9							
G81.0	32.3	26.8	12.7							
G82.0	30.3	24.9	10.8							
G83.0	28.4	23.0	9.0							
G84.0	26.4	21.3	7.3							
G85.0	24.8	19.7	5.9							
G86.0	23.2	17.9	4.4							
G87.0	21.6	16.5	3.1							
G88.0	20.3	15.3	1.8							
G89.0	19.2	14.2	0.6							
G90.0	18.6	13.4	0.0							
G91.0	18.1	12.1	0.0							
G92.0	17.8	9.5	0.0							
G93.0	16.4	8.2	0.0							
G94.0	14.2	7.5	0.0							
G95.0	13.2	7.2	0.0							
G96.0	13.3	7.3	0.0							
G97.0	13.7	7.7	0.0							
G98.0	14.1	8.5	0.0							
G99.0	14.4	8.5	0.0							
G100.0	14.5	8.6	0.0							
G101.0	14.9	8.8	0.0							
G102.0	15.3	9.0	0.0							
G103.0	15.6	9.3	0.0							
G104.0	16.1	9.4	0.0							
G105.0	17.0	9.4	0.0							
G106.0	17.5	9.5	0.0							
G107.0	17.5	9.4	0.0							
G108.0	17.5	9.2	0.0							
G109.0	17.4	9.0	0.5							
G110.0	17.4	8.6	0.5							

C Plane (°):0.0-360.0: 30.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.607 m [K=1.0000]
 Humidity: 65
 Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	17.4	8.3	0.6							
G112.0	17.3	7.8	0.6							
G113.0	17.3	7.4	0.7							
G114.0	17.3	6.9	0.8							
G115.0	17.4	6.4	0.8							
G116.0	17.4	5.9	0.9							
G117.0	17.7	5.4	1.0							
G118.0	17.8	4.9	1.0							
G119.0	18.1	4.5	1.1							
G120.0	18.4	4.2	1.2							
G121.0	18.5	3.9	1.3							
G122.0	18.7	3.7	1.4							
G123.0	18.6	3.4	1.6							
G124.0	18.6	3.1	1.6							
G125.0	18.6	2.8	1.7							
G126.0	18.4	2.6	1.8							
G127.0	17.9	2.6	2.0							
G128.0	17.4	2.6	2.1							
G129.0	16.8	2.7	2.3							
G130.0	15.9	2.7	2.4							
G131.0	14.9	2.8	2.5							
G132.0	13.6	2.8	2.7							
G133.0	12.4	2.9	2.9							
G134.0	11.2	3.1	3.0							
G135.0	10.2	3.2	3.1							
G136.0	9.3	3.4	3.2							
G137.0	8.5	3.5	3.5							
G138.0	7.8	3.7	3.6							
G139.0	7.0	3.9	3.8							
G140.0	6.3	4.0	4.0							
G141.0	5.6	4.1	4.2							
G142.0	5.2	4.3	4.3							
G143.0	5.1	4.4	4.5							
G144.0	5.0	4.5	4.7							
G145.0	4.9	4.7	4.9							
G146.0	4.9	4.9	5.0							
G147.0	4.9	5.0	5.2							

C Plane (°):0.0-360.0: 30.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.607 m [K=1.0000]
 Humidity: 65
 Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G148.0	5.1	5.2	5.3							
G149.0	5.2	5.3	5.5							
G150.0	5.3	5.5	5.7							
G151.0	5.6	5.6	5.8							
G152.0	5.7	5.8	6.0							
G153.0	5.9	5.9	6.1							
G154.0	6.0	6.1	6.3							
G155.0	6.2	6.3	6.4							
G156.0	6.3	6.4	6.5							
G157.0	6.4	6.4	6.7							
G158.0	6.5	6.6	6.8							
G159.0	6.7	6.7	6.9							
G160.0	6.7	6.8	7.0							
G161.0	6.9	6.9	7.1							
G162.0	7.0	7.0	7.2							
G163.0	7.1	7.2	7.3							
G164.0	7.2	7.3	7.4							
G165.0	7.2	7.4	7.5							
G166.0	7.4	7.5	7.6							
G167.0	7.4	7.6	7.6							
G168.0	7.4	7.7	7.8							
G169.0	7.5	7.8	7.8							
G170.0	7.6	7.9	7.9							
G171.0	7.6	8.0	8.0							
G172.0	7.7	8.1	8.0							
G173.0	7.7	8.2	8.1							
G174.0	7.8	8.3	8.2							
G175.0	7.9	8.4	8.2							
G176.0	8.0	8.4	8.2							
G177.0	8.0	8.5	8.2							
G178.0	8.0	8.5	8.3							
G179.0	8.1	8.6	8.2							
G180.0	8.2	8.6	8.2							

C Plane (°):0.0-360.0: 30.0
 Test Lab: Inventfine instrument
 Test Type: TYPE C
 Temperature: 26
 Operator: Jacky

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 8.607 m [K=1.0000]
 Humidity: 65
 Inspector:

LED Average Luminance Report

Avg.L	cd/m ²
L 0-180(65) av	8069.68
L 0-180(75) av	5979.92
L 0-180(85) av	4528.55
L 90-270(65) av	10389.32
L 90-270(75) av	9972.11
L 90-270(85) av	17128.53
L 45(65) av	9817.11
L 45(75) av	9338.47
L 45(85) av	14790.77

Standard: GB/T 29293-2012