

Report No.: TH-4107A

Test Time: 2023/3/7 17:46

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Luminaire Description: UN-DC24-2835-40-16.5-940-W12-T301-UD-1D1R

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: 0.691 A

Power: 16.58 W

Power Factor: 1.000

Photometric Results

CIE Class: Direct

Total Rated Lamp Lumens: 1250.3 lm

Measurement Flux: 1250.3 lm

Efficiency: 100%

Downward Ratio: 96%

Upward Ratio: 4%

Horizontal Diffuse Angle(50%): H32.6

Vertical Diffuse Angle(50%): V33.4

Luminaire Efficacy Rating (LER): 75.46

C0r0 Intensity: 2143.41 cd

Max. Intensity: 2176.55 cd

Pos of Max. Intensity: H240 V2

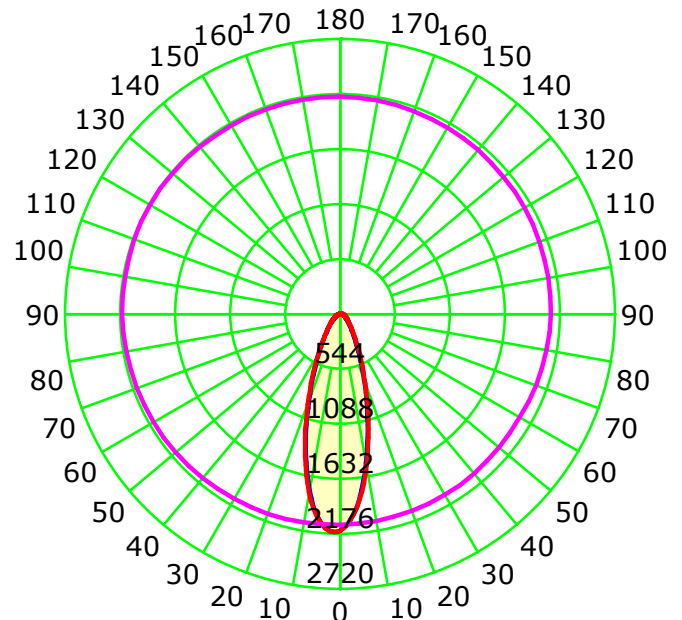
S/MH(C0/C180): 0.53

S/MH(C90/C270): 0.55

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

Average Diffuse Angle(50%): 32.9°

— C0-C180 — C90-C270 — G2

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]

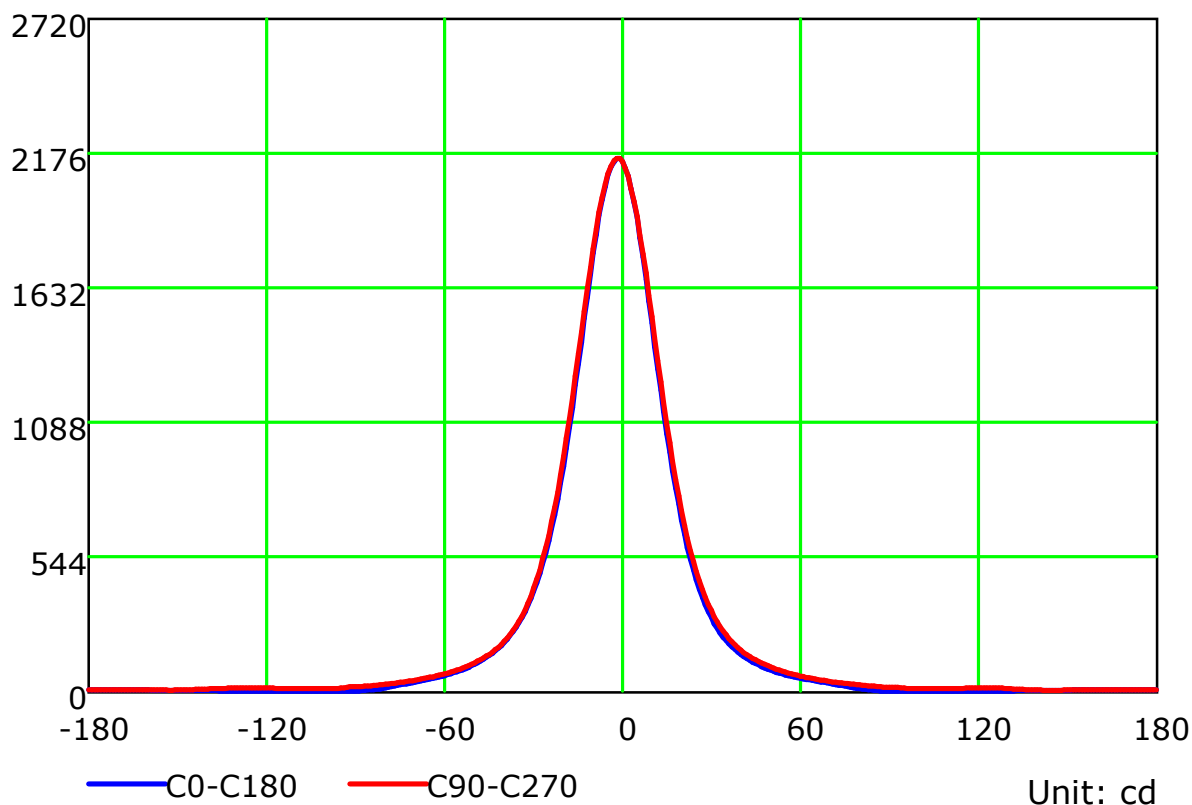
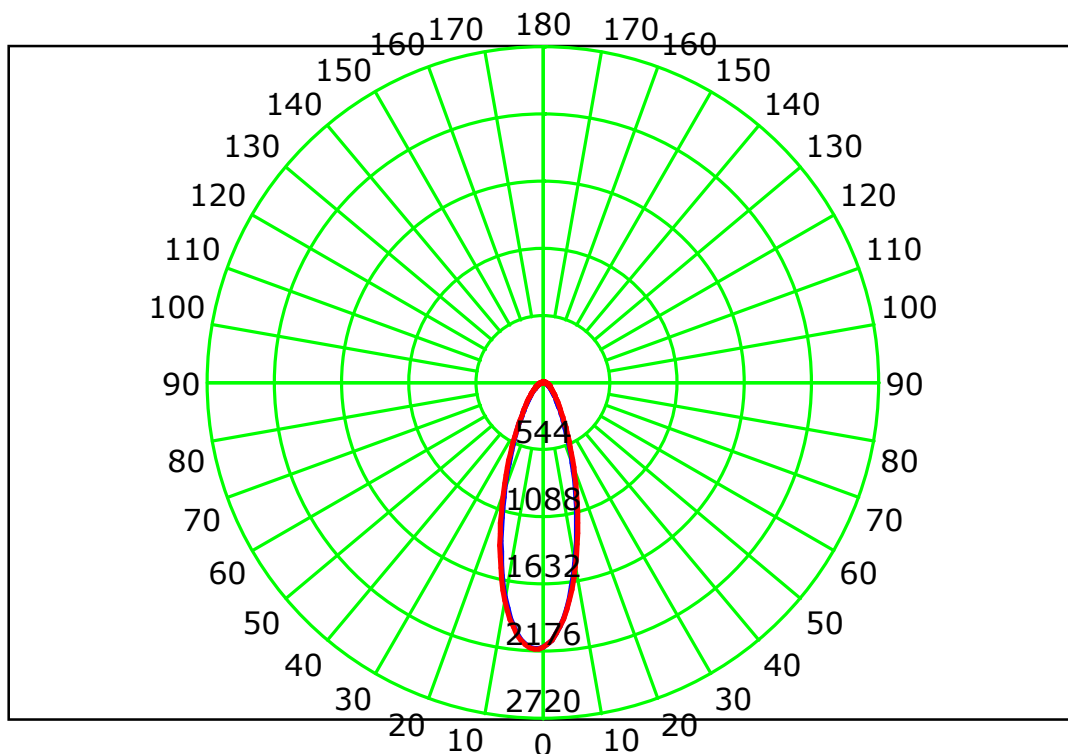
Temperature: 26

Humidity: 65

Operator: Jacky

Inspector:

Luminous Intensity Distribution Curve



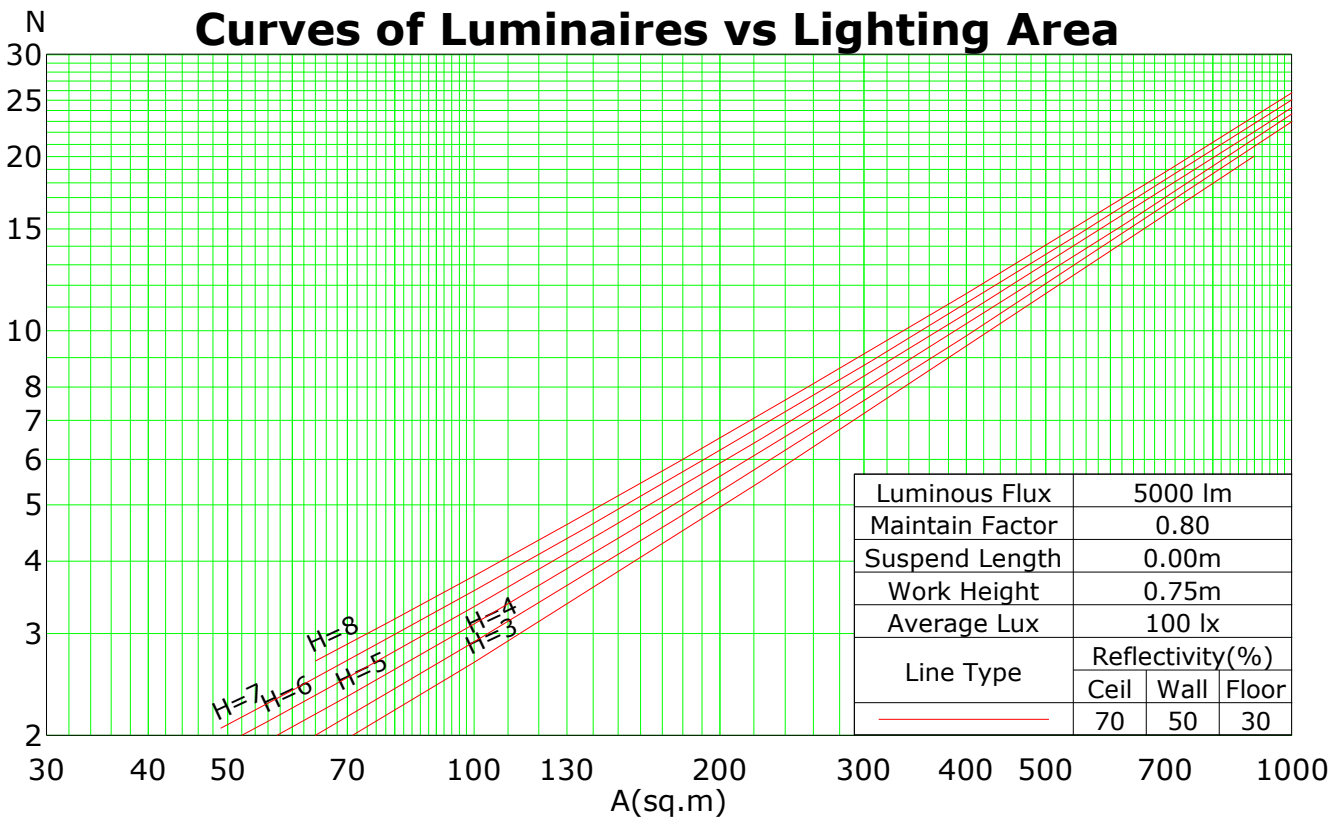
C Plane (°):0.0-360.0: 30.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

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	0.99	0.94	0.90	1.02	0.96	0.92	0.88	0.93	0.89	0.86	0.89	0.86	0.83	0.86	0.83	0.81	0.79
3	0.98	0.91	0.85	0.80	0.96	0.89	0.84	0.80	0.86	0.81	0.78	0.83	0.79	0.76	0.80	0.77	0.74	0.73
4	0.93	0.84	0.78	0.73	0.91	0.83	0.77	0.72	0.80	0.75	0.71	0.78	0.73	0.70	0.75	0.72	0.69	0.67
5	0.88	0.79	0.72	0.67	0.86	0.77	0.71	0.67	0.75	0.70	0.66	0.73	0.68	0.65	0.71	0.67	0.64	0.62
6	0.83	0.74	0.67	0.62	0.82	0.73	0.66	0.62	0.71	0.65	0.61	0.69	0.64	0.61	0.67	0.63	0.60	0.58
7	0.79	0.69	0.63	0.58	0.78	0.68	0.62	0.58	0.67	0.61	0.57	0.65	0.60	0.57	0.64	0.60	0.56	0.55
8	0.76	0.65	0.59	0.55	0.74	0.65	0.59	0.54	0.63	0.58	0.54	0.62	0.57	0.54	0.61	0.56	0.53	0.52
9	0.72	0.62	0.56	0.52	0.71	0.61	0.55	0.51	0.60	0.55	0.51	0.59	0.54	0.51	0.58	0.53	0.50	0.49
10	0.69	0.59	0.53	0.49	0.68	0.58	0.53	0.49	0.57	0.52	0.48	0.56	0.51	0.48	0.55	0.51	0.48	0.46

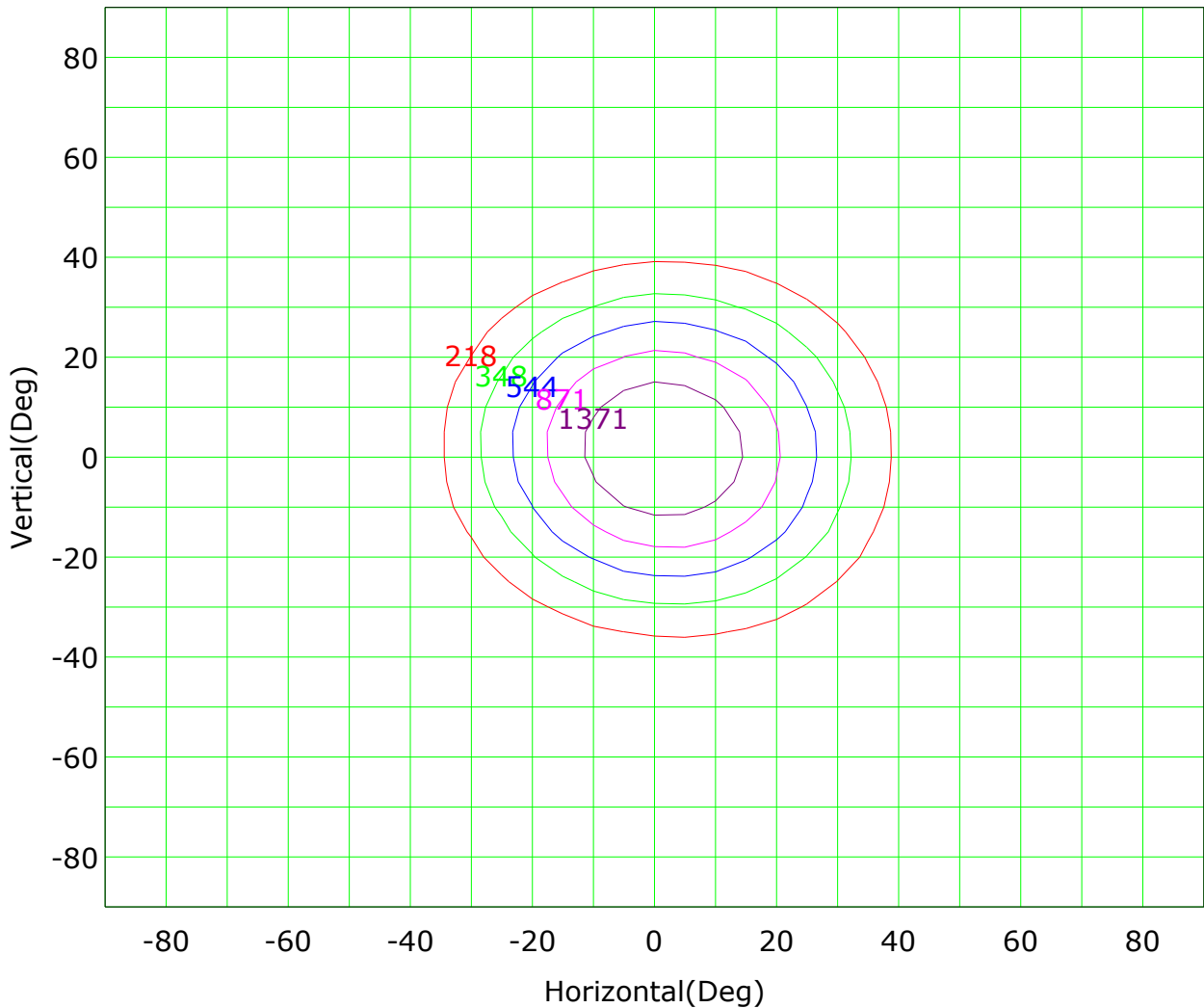
Spacing Criteria (0-180): 0.53
 Spacing Criteria (90-270): 0.55
 Spacing Criteria (Diagonal): 0.58



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)



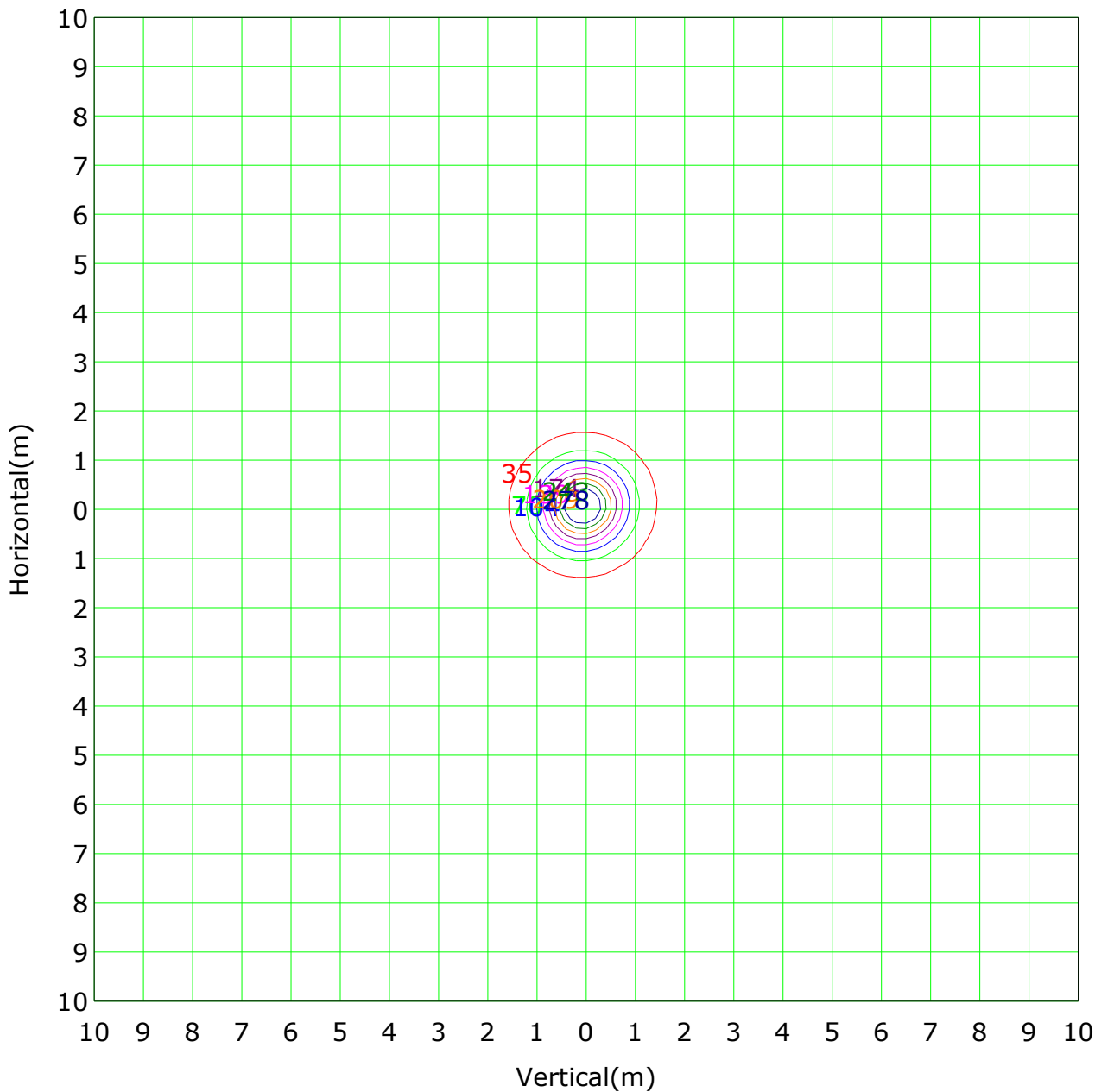
Imax (100%): 2177 cd

— (10%): 218 cd	— (16%): 348 cd
— (25%): 544 cd	— (40%): 871 cd
— (63%): 1371 cd	— (100%): 2177 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%): 347.6 lx	
— (10%): 34.8 lx	— (20%): 69.5 lx	— (40%): 139.0 lx	— (60%): 208.6 lx
— (30%): 104.3 lx	— (50%): 173.8 lx	— (70%): 243.3 lx	— (80%): 278.1 lx

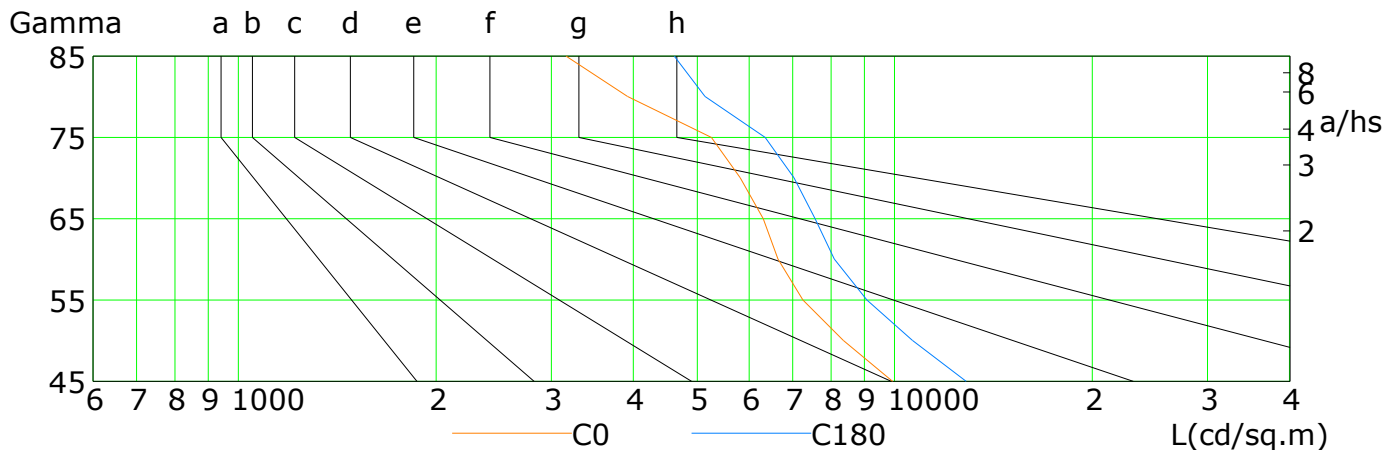
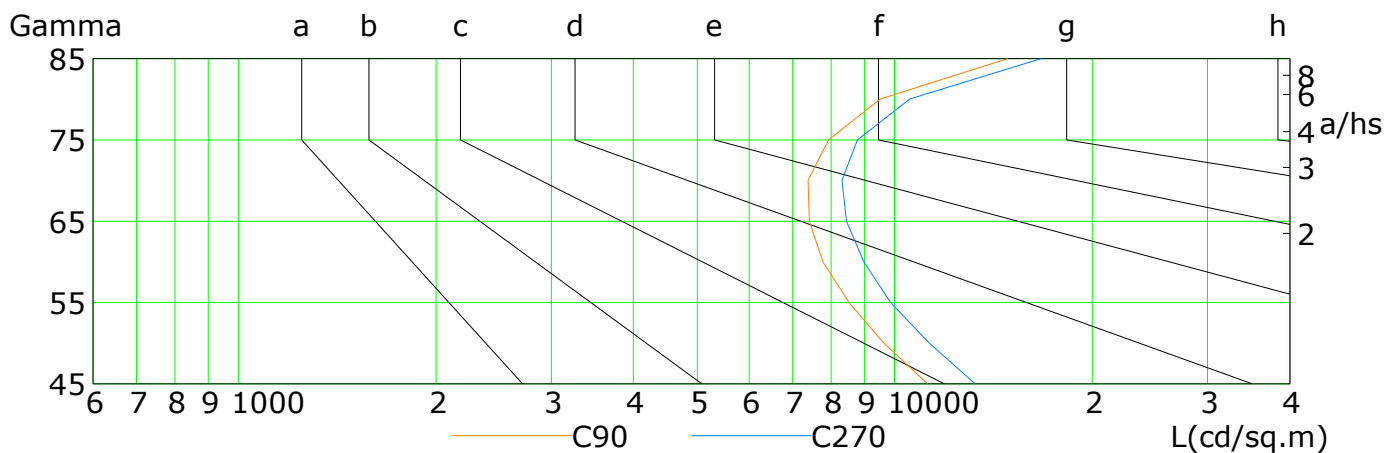
C Plane (°):0.0-360.0: 30.0
Test Lab: Inventfine instrument
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Temperature: 26
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Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.607 m [K=1.0000]
Humidity: 65
Inspector:

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

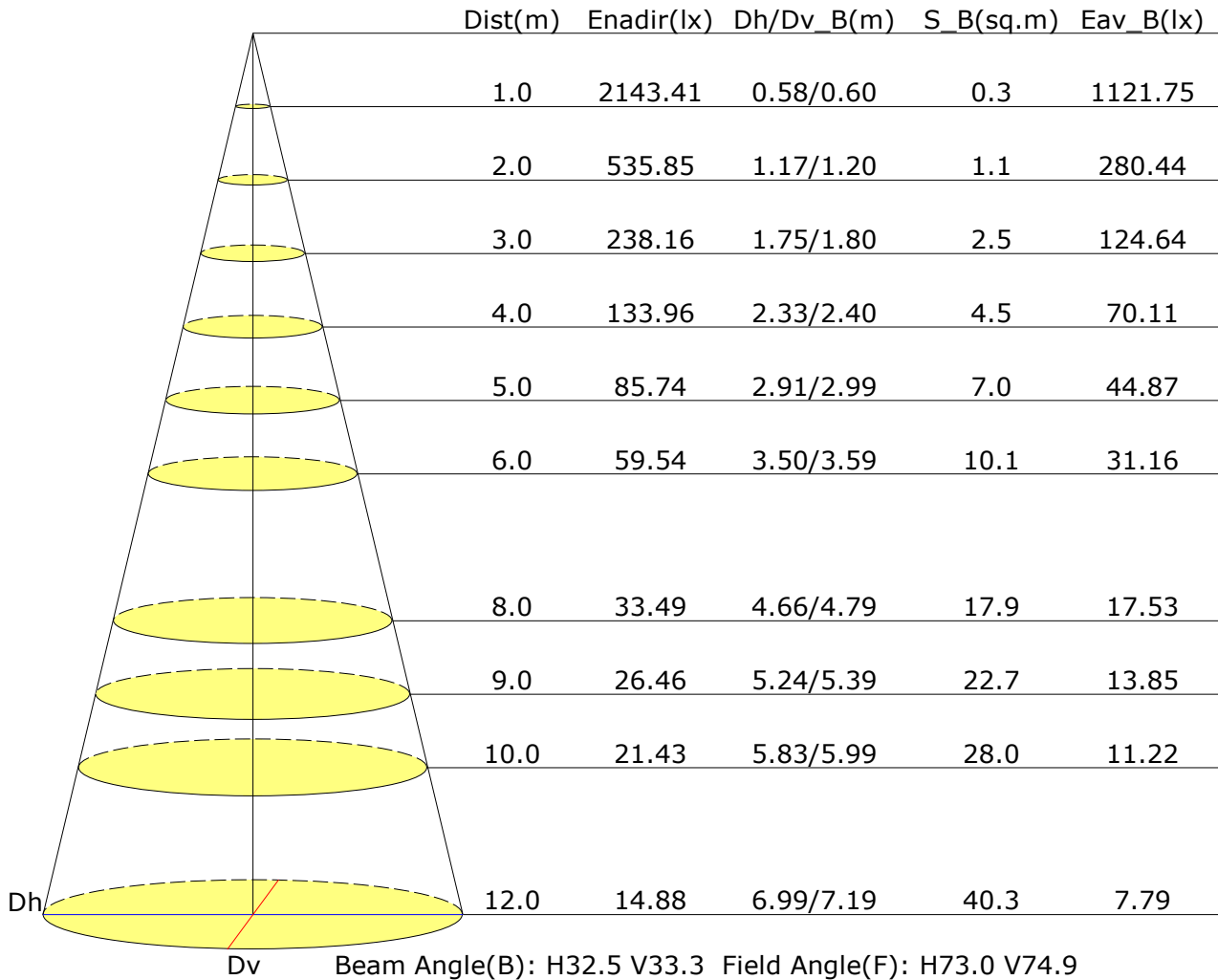


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	9919	8351	7245	6642	6306	5815	5255	3916	3155
C90	11242	9620	8523	7773	7422	7386	7937	9513	14890
C180	12867	10654	9066	8091	7566	7030	6344	5143	4612
C270	13279	11271	9854	8966	8441	8319	8781	10551	16721

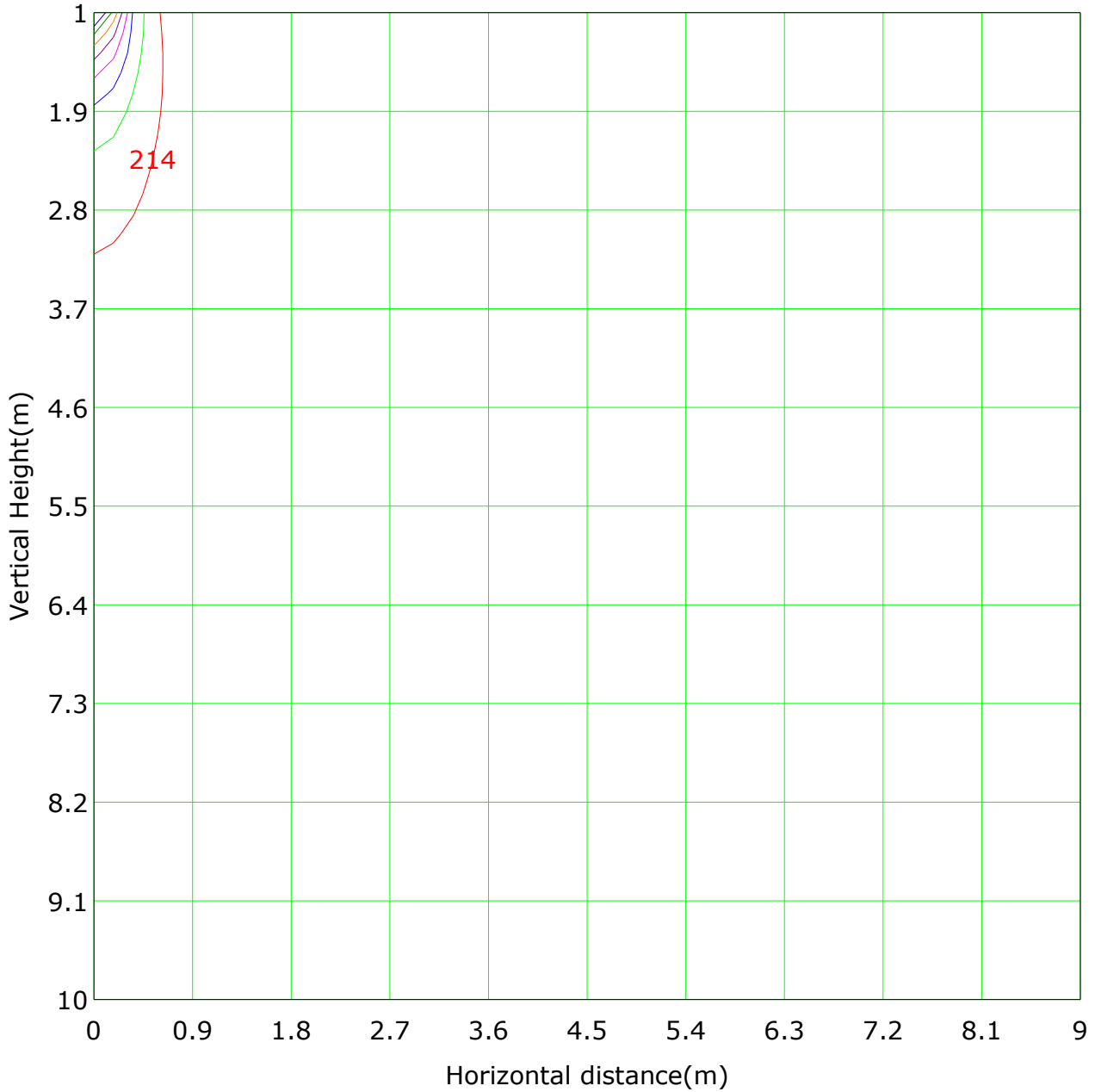
C Plane (°):0.0-360.0: 30.0
Test Lab: Inventfine instrument
Test Type: TYPE C
Temperature: 26
Operator: Jacky

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

Illuminance at a Distance



Vertical IsoLux Plot

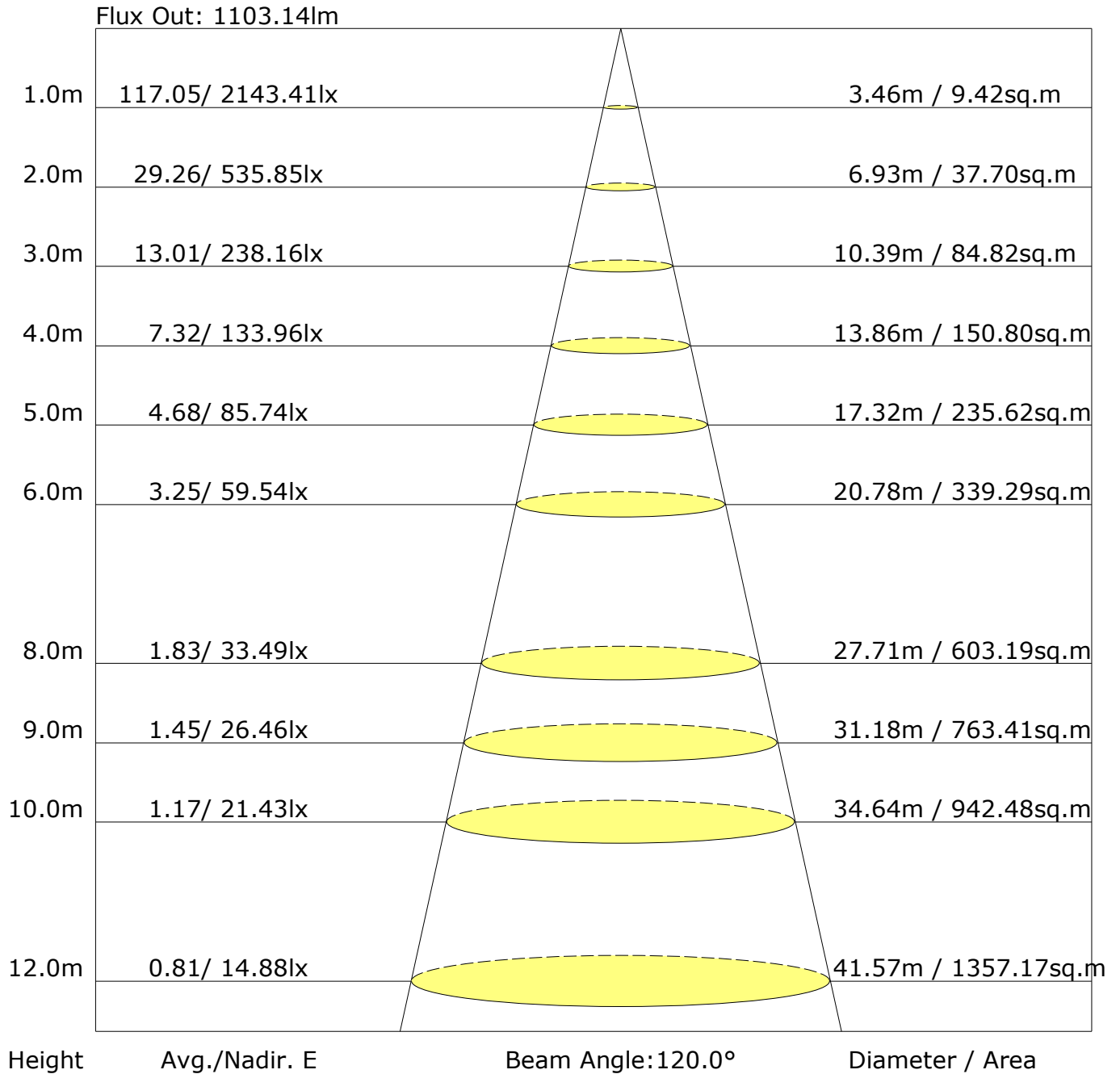


Lowest(m): 1.0m	Highest(m): 10.0m	Max Lux: 2143.4 lx
— (10%): 214.3 lx	— (20%): 428.7 lx	
— (30%): 643.0 lx	— (40%): 857.4 lx	
— (50%):1071.7 lx	— (60%):1286.0 lx	
— (70%):1500.4 lx	— (80%):1714.7 lx	

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	16.3	17.2	16.6	17.5	17.8	17.3	18.2	17.6	18.5	18.8
3H	17.4	18.2	17.7	18.5	18.9	18.5	19.4	18.9	19.7	20.0
4H	17.8	18.6	18.2	19.0	19.3	19.2	20.0	19.6	20.4	20.7
6H	18.1	18.9	18.5	19.3	19.6	20.0	20.7	20.4	21.1	21.5
8H	18.2	19.0	18.6	19.3	19.7	20.4	21.2	20.8	21.5	21.9
12H	18.3	19.0	18.7	19.3	19.7	20.9	21.6	21.4	22.0	22.4
X=4H Y=2H	16.8	17.6	17.2	18.0	18.3	17.6	18.5	18.0	18.8	19.1
3H	18.2	18.9	18.6	19.2	19.6	19.2	19.9	19.6	20.2	20.6
4H	18.8	19.4	19.2	19.8	20.3	20.0	20.6	20.5	21.1	21.5
6H	19.3	19.8	19.7	20.3	20.7	21.0	21.6	21.5	22.0	22.5
8H	19.4	19.9	19.9	20.4	20.9	21.6	22.1	22.0	22.5	23.0
12H	19.5	20.0	20.0	20.5	21.0	22.2	22.7	22.7	23.1	23.7
X=8H Y=4H	19.2	19.7	19.7	20.2	20.7	20.3	20.8	20.8	21.2	21.7
6H	19.9	20.3	20.5	20.8	21.4	21.5	21.9	22.0	22.4	22.9
8H	20.2	20.6	20.8	21.1	21.7	22.2	22.6	22.8	23.1	23.7
12H	20.5	20.8	21.1	21.4	21.9	23.1	23.4	23.7	24.0	24.5
X=12H Y=4H	19.3	19.8	19.8	20.2	20.7	20.3	20.8	20.8	21.2	21.8
6H	20.1	20.5	20.7	21.0	21.6	21.6	22.0	22.1	22.5	23.0
8H	20.6	20.9	21.1	21.4	22.0	22.4	22.7	23.0	23.3	23.8
Variations with the observer position at spacings:										
S=1.0H	+0.3/-0.4					+0.4/-0.3				
S=1.5H	+0.5/-0.7					+0.8/-0.7				
S=2.0H	+1.0/-1.1					+1.3/-1.1				

Calculate in accordance with CIE Pub.117. The table is revised with 1250lm ($8\log(F/F_0) = 0.8$).

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:

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	2139.8	2.0	2.0	0.16	0.16
1.0-2.0	2127.2	6.1	8.2	0.49	0.65
2.0-3.0	2103.9	10.1	18.2	0.80	1.46
3.0-4.0	2070.6	13.9	32.1	1.11	2.57
4.0-5.0	2026.8	17.4	49.5	1.39	3.96
5.0-6.0	1973.0	20.7	70.3	1.66	5.62
6.0-7.0	1911.3	23.7	94.0	1.90	7.52
7.0-8.0	1842.2	26.4	120.4	2.11	9.63
8.0-9.0	1766.9	28.6	149.0	2.29	11.92
9.0-10.0	1687.9	30.6	179.5	2.44	14.36
10.0-11.0	1602.8	32.0	211.6	2.56	16.92
11.0-12.0	1513.7	33.1	244.7	2.65	19.57
12.0-13.0	1424.8	33.8	278.5	2.70	22.27
13.0-14.0	1335.7	34.2	312.7	2.73	25.01
14.0-15.0	1248.4	34.3	347.0	2.74	27.75
15.0-16.0	1163.9	34.1	381.1	2.73	30.48
16.0-17.0	1082.4	33.7	414.8	2.70	33.17
17.0-18.0	1003.4	33.1	447.9	2.65	35.82
18.0-19.0	928.0	32.3	480.2	2.58	38.40
19.0-20.0	857.3	31.4	511.5	2.51	40.91
20.0-21.0	791.2	30.4	541.9	2.43	43.34
21.0-22.0	729.8	29.3	571.3	2.35	45.69
22.0-23.0	671.9	28.2	599.5	2.26	47.94
23.0-24.0	618.8	27.1	626.5	2.16	50.11
24.0-25.0	570.2	25.9	652.4	2.07	52.18
25.0-26.0	524.8	24.8	677.2	1.98	54.16
26.0-27.0	482.8	23.6	700.8	1.89	56.05
27.0-28.0	444.8	22.5	723.4	1.80	57.85
28.0-29.0	410.3	21.5	744.8	1.72	59.57
29.0-30.0	379.2	20.5	765.3	1.64	61.21
30.0-31.0	350.4	19.5	784.8	1.56	62.77
31.0-32.0	324.4	18.6	803.4	1.49	64.25
32.0-33.0	300.8	17.7	821.1	1.42	65.67
33.0-34.0	278.7	16.9	838.0	1.35	67.02
34.0-35.0	259.1	16.1	854.1	1.29	68.31
35.0-36.0	241.9	15.4	869.5	1.23	69.54

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	225.7	14.7	884.2	1.18	70.72
37.0-38.0	210.9	14.1	898.3	1.13	71.84
38.0-39.0	197.8	13.5	911.8	1.08	72.92
39.0-40.0	186.0	13.0	924.8	1.04	73.96
40.0-41.0	175.0	12.5	937.2	1.00	74.96
41.0-42.0	164.8	12.0	949.2	0.96	75.92
42.0-43.0	155.5	11.5	960.7	0.92	76.84
43.0-44.0	147.0	11.1	971.8	0.89	77.73
44.0-45.0	138.9	10.7	982.5	0.85	78.58
45.0-46.0	131.4	10.3	992.8	0.82	79.40
46.0-47.0	124.6	9.9	1002.7	0.79	80.19
47.0-48.0	118.1	9.5	1012.2	0.76	80.96
48.0-49.0	111.9	9.2	1021.4	0.74	81.69
49.0-50.0	106.2	8.9	1030.3	0.71	82.40
50.0-51.0	101.0	8.5	1038.8	0.68	83.08
51.0-52.0	96.0	8.2	1047.0	0.66	83.74
52.0-53.0	91.3	7.9	1055.0	0.64	84.38
53.0-54.0	86.8	7.7	1062.6	0.61	84.99
54.0-55.0	82.7	7.4	1070.0	0.59	85.58
55.0-56.0	78.7	7.1	1077.1	0.57	86.15
56.0-57.0	75.0	6.9	1084.0	0.55	86.70
57.0-58.0	71.5	6.6	1090.6	0.53	87.23
58.0-59.0	68.2	6.4	1097.0	0.51	87.74
59.0-60.0	65.1	6.2	1103.1	0.49	88.23
60.0-61.0	62.2	5.9	1109.1	0.47	88.70
61.0-62.0	59.4	5.7	1114.8	0.46	89.16
62.0-63.0	56.8	5.5	1120.3	0.44	89.60
63.0-64.0	54.3	5.3	1125.7	0.43	90.03
64.0-65.0	51.9	5.1	1130.8	0.41	90.44
65.0-66.0	49.6	4.9	1135.7	0.40	90.84
66.0-67.0	47.3	4.8	1140.5	0.38	91.22
67.0-68.0	45.1	4.6	1145.1	0.37	91.58
68.0-69.0	43.0	4.4	1149.5	0.35	91.93
69.0-70.0	40.9	4.2	1153.7	0.34	92.27
70.0-71.0	38.9	4.0	1157.7	0.32	92.59
71.0-72.0	36.9	3.8	1161.5	0.31	92.90

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 2)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	35.1	3.7	1165.2	0.29	93.19
73.0-74.0	33.3	3.5	1168.7	0.28	93.47
74.0-75.0	31.5	3.3	1172.0	0.27	93.74
75.0-76.0	29.8	3.2	1175.2	0.25	93.99
76.0-77.0	28.1	3.0	1178.2	0.24	94.23
77.0-78.0	26.6	2.8	1181.0	0.23	94.46
78.0-79.0	25.0	2.7	1183.7	0.21	94.67
79.0-80.0	23.5	2.5	1186.3	0.20	94.88
80.0-81.0	22.1	2.4	1188.6	0.19	95.07
81.0-82.0	20.8	2.3	1190.9	0.18	95.25
82.0-83.0	19.6	2.1	1193.0	0.17	95.42
83.0-84.0	18.5	2.0	1195.0	0.16	95.58
84.0-85.0	17.5	1.9	1197.0	0.15	95.73
85.0-86.0	16.5	1.8	1198.8	0.14	95.88
86.0-87.0	15.6	1.7	1200.5	0.14	96.01
87.0-88.0	14.7	1.6	1202.1	0.13	96.14
88.0-89.0	14.0	1.5	1203.6	0.12	96.26
89.0-90.0	13.3	1.5	1205.1	0.12	96.38
90.0-91.0	12.9	1.4	1206.5	0.11	96.49
91.0-92.0	12.4	1.4	1207.8	0.11	96.60
92.0-93.0	11.7	1.3	1209.1	0.10	96.70
93.0-94.0	10.6	1.2	1210.3	0.09	96.80
94.0-95.0	9.4	1.0	1211.3	0.08	96.88
95.0-96.0	8.6	0.9	1212.2	0.08	96.95
96.0-97.0	8.2	0.9	1213.1	0.07	97.02
97.0-98.0	8.1	0.9	1214.0	0.07	97.10
98.0-99.0	8.1	0.9	1214.9	0.07	97.17
99.0-100.0	8.1	0.9	1215.8	0.07	97.24
100.0-101.0	8.1	0.9	1216.6	0.07	97.30
101.0-102.0	8.0	0.9	1217.5	0.07	97.37
102.0-103.0	8.0	0.9	1218.3	0.07	97.44
103.0-104.0	7.9	0.8	1219.2	0.07	97.51
104.0-105.0	8.0	0.9	1220.0	0.07	97.58
105.0-106.0	8.1	0.9	1220.9	0.07	97.65
106.0-107.0	8.1	0.8	1221.7	0.07	97.71
107.0-108.0	8.0	0.8	1222.6	0.07	97.78

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	7.9	0.8	1223.4	0.07	97.85
109.0-110.0	7.8	0.8	1224.2	0.06	97.91
110.0-111.0	7.7	0.8	1225.0	0.06	97.97
111.0-112.0	7.6	0.8	1225.8	0.06	98.04
112.0-113.0	7.6	0.8	1226.5	0.06	98.10
113.0-114.0	7.5	0.8	1227.3	0.06	98.16
114.0-115.0	7.4	0.7	1228.0	0.06	98.22
115.0-116.0	7.4	0.7	1228.8	0.06	98.28
116.0-117.0	7.4	0.7	1229.5	0.06	98.33
117.0-118.0	7.4	0.7	1230.2	0.06	98.39
118.0-119.0	7.4	0.7	1230.9	0.06	98.45
119.0-120.0	7.4	0.7	1231.6	0.06	98.50
120.0-121.0	7.4	0.7	1232.3	0.06	98.56
121.0-122.0	7.4	0.7	1233.0	0.06	98.62
122.0-123.0	7.4	0.7	1233.7	0.05	98.67
123.0-124.0	7.3	0.7	1234.4	0.05	98.72
124.0-125.0	7.2	0.7	1235.0	0.05	98.78
125.0-126.0	7.2	0.6	1235.7	0.05	98.83
126.0-127.0	7.0	0.6	1236.3	0.05	98.88
127.0-128.0	6.9	0.6	1236.9	0.05	98.92
128.0-129.0	6.7	0.6	1237.4	0.05	98.97
129.0-130.0	6.5	0.5	1238.0	0.04	99.01
130.0-131.0	6.3	0.5	1238.5	0.04	99.06
131.0-132.0	6.1	0.5	1239.0	0.04	99.10
132.0-133.0	5.9	0.5	1239.5	0.04	99.13
133.0-134.0	5.7	0.5	1240.0	0.04	99.17
134.0-135.0	5.6	0.4	1240.4	0.04	99.21
135.0-136.0	5.5	0.4	1240.8	0.03	99.24
136.0-137.0	5.4	0.4	1241.2	0.03	99.27
137.0-138.0	5.2	0.4	1241.6	0.03	99.30
138.0-139.0	5.1	0.4	1242.0	0.03	99.33
139.0-140.0	5.0	0.4	1242.3	0.03	99.36
140.0-141.0	5.0	0.3	1242.7	0.03	99.39
141.0-142.0	4.9	0.3	1243.0	0.03	99.42
142.0-143.0	4.9	0.3	1243.3	0.03	99.44
143.0-144.0	4.9	0.3	1243.7	0.03	99.47

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	4.8	0.3	1244.0	0.02	99.49
145.0-146.0	4.8	0.3	1244.3	0.02	99.52
146.0-147.0	4.9	0.3	1244.6	0.02	99.54
147.0-148.0	4.9	0.3	1244.9	0.02	99.56
148.0-149.0	4.9	0.3	1245.1	0.02	99.59
149.0-150.0	5.0	0.3	1245.4	0.02	99.61
150.0-151.0	5.1	0.3	1245.7	0.02	99.63
151.0-152.0	5.2	0.3	1246.0	0.02	99.65
152.0-153.0	5.3	0.3	1246.2	0.02	99.67
153.0-154.0	5.4	0.3	1246.5	0.02	99.69
154.0-155.0	5.5	0.3	1246.8	0.02	99.71
155.0-156.0	5.6	0.3	1247.0	0.02	99.73
156.0-157.0	5.7	0.2	1247.3	0.02	99.75
157.0-158.0	5.8	0.2	1247.5	0.02	99.77
158.0-159.0	5.9	0.2	1247.7	0.02	99.79
159.0-160.0	5.9	0.2	1248.0	0.02	99.81
160.0-161.0	6.0	0.2	1248.2	0.02	99.83
161.0-162.0	6.1	0.2	1248.4	0.02	99.85
162.0-163.0	6.1	0.2	1248.6	0.02	99.86
163.0-164.0	6.2	0.2	1248.8	0.02	99.88
164.0-165.0	6.2	0.2	1249.0	0.01	99.89
165.0-166.0	6.2	0.2	1249.1	0.01	99.91
166.0-167.0	6.3	0.2	1249.3	0.01	99.92
167.0-168.0	6.3	0.1	1249.4	0.01	99.93
168.0-169.0	6.3	0.1	1249.6	0.01	99.94
169.0-170.0	6.3	0.1	1249.7	0.01	99.95
170.0-171.0	6.4	0.1	1249.8	0.01	99.96
171.0-172.0	6.4	0.1	1249.9	0.01	99.97
172.0-173.0	6.4	0.1	1250.0	0.01	99.98
173.0-174.0	6.4	0.1	1250.1	0.01	99.98
174.0-175.0	6.4	0.1	1250.2	0.01	99.99
175.0-176.0	6.4	0.1	1250.2	0.00	99.99
176.0-177.0	6.4	0.0	1250.3	0.00	100.00
177.0-178.0	6.5	0.0	1250.3	0.00	100.00
178.0-179.0	6.5	0.0	1250.3	0.00	100.00
179.0-180.0	6.5	0.0	1250.3	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°): 982.49 lm

%lum = 78.6%

%lamp = 78.6%

cone flux(120°): 1103.14 lm

%lum = 88.2%

%lamp = 88.2%

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	2143.4	2143.4	2143.4	2143.4	2143.4	2143.4	2143.4	2143.4	2143.4	2143.4
G1.0	2119.3	2108.7	2094.1	2119.1	2129.1	2143.5	2156.0	2162.7	2167.8	2156.3
G2.0	2084.5	2066.5	2048.6	2085.1	2105.3	2131.5	2157.0	2158.2	2176.5	2158.4
G3.0	2034.6	2014.1	1997.2	2036.3	2072.0	2109.6	2144.9	2153.7	2173.3	2149.3
G4.0	1979.5	1946.0	1936.9	1982.6	2028.8	2077.2	2122.7	2138.4	2158.3	2126.5
G5.0	1915.7	1876.1	1862.4	1920.8	1972.2	2031.6	2090.1	2111.7	2129.4	2095.1
G6.0	1835.9	1798.3	1787.6	1845.1	1912.4	1980.3	2042.3	2070.0	2092.0	2053.9
G7.0	1758.2	1707.7	1727.0	1771.4	1846.9	1921.4	1988.1	2021.0	2021.5	1998.1
G8.0	1666.4	1621.2	1633.7	1692.7	1768.1	1849.1	1926.1	1985.3	1960.2	1939.1
G9.0	1579.8	1532.7	1546.6	1602.3	1691.6	1777.7	1849.2	1911.9	1895.2	1873.0
G10.0	1491.9	1433.5	1458.7	1518.4	1612.0	1701.4	1772.4	1836.8	1842.2	1792.4
G11.0	1394.2	1344.4	1361.1	1432.6	1521.5	1613.2	1690.0	1736.7	1756.7	1713.1
G12.0	1305.9	1246.9	1272.8	1338.3	1437.8	1529.6	1595.7	1644.0	1673.7	1631.0
G13.0	1218.4	1160.0	1174.2	1253.6	1345.9	1444.7	1508.8	1557.8	1570.9	1538.9
G14.0	1133.4	1076.7	1083.4	1170.7	1263.0	1351.8	1413.2	1470.3	1476.6	1453.8
G15.0	1043.6	997.0	1004.2	1082.1	1182.0	1267.5	1325.6	1373.5	1390.4	1368.1
G16.0	966.5	914.0	933.4	1005.6	1103.4	1185.6	1239.8	1286.3	1296.1	1274.8
G17.0	892.5	843.3	868.5	932.1	1019.9	1106.0	1148.2	1201.3	1211.9	1191.4
G18.0	822.9	776.7	794.8	856.1	947.5	1021.9	1068.2	1111.3	1122.5	1102.8
G19.0	758.6	709.7	733.4	792.0	879.9	950.0	983.9	1032.6	1044.7	1025.6
G20.0	692.7	652.9	668.5	731.8	809.0	874.8	911.9	958.2	970.1	951.6
G21.0	637.2	600.7	611.2	670.9	749.1	811.0	843.6	896.8	898.9	873.8
G22.0	581.5	548.5	563.9	620.1	693.5	751.5	779.6	823.1	825.5	807.9
G23.0	535.1	504.9	525.7	568.3	636.5	690.1	714.7	761.0	763.3	746.2
G24.0	492.1	464.7	480.7	524.7	588.4	638.0	660.5	697.8	705.7	689.0
G25.0	452.5	427.6	443.3	484.7	543.7	589.5	610.3	644.7	647.1	630.6
G26.0	413.0	390.7	409.2	448.1	503.0	541.0	559.5	595.6	597.7	581.7
G27.0	380.3	360.3	375.2	411.3	461.7	500.6	517.0	544.5	552.2	536.8
G28.0	350.0	331.8	346.2	383.1	426.5	462.2	478.2	499.5	506.3	491.7
G29.0	322.9	306.5	320.4	352.0	394.8	427.8	439.4	462.2	473.4	454.5
G30.0	298.4	283.6	297.2	326.8	365.8	396.4	406.4	428.5	437.3	419.7
G31.0	274.5	261.6	276.3	301.8	337.9	365.8	376.6	396.8	401.7	385.3
G32.0	255.2	243.8	256.0	281.6	314.8	340.5	349.4	367.8	371.3	356.9
G33.0	237.3	227.3	236.2	262.6	291.3	316.8	322.0	341.1	343.7	330.8
G34.0	219.8	211.1	219.5	243.9	271.9	293.0	299.3	314.6	319.2	305.0
G35.0	205.5	197.9	205.7	228.5	254.2	273.5	278.6	292.5	294.7	283.6
G36.0	192.3	185.8	195.5	214.4	236.5	255.6	259.8	272.6	274.6	264.5

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 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	179.3	173.6	182.9	200.1	221.6	237.7	241.2	251.8	256.6	247.0
G38.0	168.5	163.6	172.4	188.3	208.1	222.7	226.0	234.1	240.2	229.7
G39.0	158.7	154.5	162.9	177.7	196.0	209.0	210.9	219.7	223.9	215.6
G40.0	148.8	145.2	154.1	167.8	183.7	196.6	198.2	208.7	210.3	202.5
G41.0	140.5	137.4	145.3	158.0	173.4	184.2	186.4	195.3	198.1	189.6
G42.0	132.7	130.0	137.6	149.3	163.8	173.5	174.5	183.9	185.6	178.7
G43.0	125.7	123.3	130.7	141.7	154.2	163.9	164.5	173.6	175.2	168.7
G44.0	118.3	116.4	124.2	134.5	146.2	154.9	155.2	163.1	165.5	159.6
G45.0	112.2	110.5	117.6	127.2	138.7	145.7	145.6	154.0	155.9	150.2
G46.0	106.4	104.9	112.0	120.9	131.0	137.9	137.5	145.7	147.8	142.6
G47.0	100.9	99.2	106.5	115.1	124.5	130.7	130.0	138.0	140.1	135.4
G48.0	95.2	94.5	101.0	109.0	118.4	123.2	123.0	130.1	132.4	128.7
G49.0	90.5	89.8	96.3	103.8	112.5	116.7	115.8	123.3	125.7	121.8
G50.0	85.9	85.5	91.8	98.9	106.5	111.1	109.6	116.4	119.5	115.9
G51.0	81.7	81.0	87.5	94.4	101.4	106.2	103.8	110.4	113.3	109.9
G52.0	77.3	77.1	83.6	89.6	96.6	100.8	98.4	104.8	107.7	104.8
G53.0	73.5	73.6	79.4	85.6	92.1	95.4	92.8	99.1	102.1	99.9
G54.0	70.0	70.2	75.9	81.8	87.4	90.7	88.0	94.1	97.3	94.8
G55.0	66.5	66.7	72.7	78.2	83.4	86.3	83.2	89.4	92.8	90.4
G56.0	63.5	63.7	69.3	74.4	79.7	81.8	79.1	84.6	88.1	86.4
G57.0	60.6	60.8	66.3	71.2	75.7	77.9	75.2	80.5	84.0	82.5
G58.0	57.8	58.0	63.5	68.2	72.4	74.3	71.5	76.7	80.2	78.5
G59.0	55.3	55.5	60.8	65.0	69.2	70.5	67.9	73.1	76.4	75.1
G60.0	53.1	53.2	58.1	62.2	65.9	67.2	64.7	69.3	72.5	71.7
G61.0	50.9	51.0	55.7	59.6	63.0	64.1	61.9	66.2	69.3	68.3
G62.0	48.7	48.6	53.4	56.8	60.2	61.2	58.9	63.0	66.3	65.3
G63.0	46.7	46.6	51.2	54.6	57.7	58.1	56.3	60.2	63.1	62.5
G64.0	44.8	44.6	48.9	52.3	54.9	55.5	53.8	57.5	60.3	59.6
G65.0	42.6	42.7	46.9	50.2	52.5	53.0	51.2	54.7	57.7	57.1
G66.0	40.8	40.9	44.9	48.1	50.1	50.5	48.8	52.2	55.0	54.6
G67.0	38.7	38.9	43.1	46.0	48.0	48.2	46.4	49.9	52.5	52.0
G68.0	36.6	37.3	41.0	44.1	45.6	45.7	43.6	47.5	50.2	49.7
G69.0	33.9	35.6	39.2	42.3	43.5	43.5	41.0	45.2	47.7	47.6
G70.0	31.8	33.8	37.5	40.4	41.6	41.4	38.5	43.2	45.5	45.5
G71.0	29.8	32.1	35.9	38.9	39.6	39.4	35.9	40.9	43.4	43.4
G72.0	27.5	30.6	34.1	37.2	37.8	37.2	33.4	39.0	41.4	41.5
G73.0	25.6	29.0	32.6	35.8	36.0	35.2	30.9	37.0	39.3	39.7

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 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	23.7	27.5	31.3	34.3	34.3	33.4	28.5	35.0	37.4	38.1
G75.0	21.8	26.1	29.9	32.9	32.7	31.6	26.3	33.2	35.6	36.4
G76.0	19.5	24.5	28.5	31.4	31.3	29.7	23.9	31.4	33.7	34.8
G77.0	17.3	23.1	27.3	30.1	29.9	28.0	21.7	29.6	32.1	33.4
G78.0	14.9	21.8	26.1	28.8	28.5	26.4	19.5	28.0	30.6	32.0
G79.0	12.8	20.4	25.1	27.7	27.1	24.8	17.0	26.2	29.1	30.6
G80.0	10.9	19.2	24.0	26.4	26.0	23.5	14.3	24.7	27.5	29.3
G81.0	9.3	18.1	23.0	25.1	24.9	21.9	12.1	23.1	26.1	28.0
G82.0	7.9	16.8	22.1	24.0	23.9	20.5	10.3	21.7	24.9	26.8
G83.0	6.7	16.0	21.4	22.9	22.9	19.3	9.0	20.3	23.8	25.6
G84.0	5.5	15.1	20.6	21.8	22.0	18.0	7.7	18.8	22.6	24.5
G85.0	4.4	14.2	20.0	20.8	21.2	17.0	6.4	17.6	21.5	23.3
G86.0	3.3	13.4	19.4	19.7	20.4	15.9	5.2	16.5	20.7	22.4
G87.0	2.2	12.7	18.7	18.9	19.6	14.8	4.0	15.4	19.8	21.5
G88.0	1.3	11.8	18.4	18.1	18.8	13.9	3.0	14.2	18.9	20.7
G89.0	0.0	11.5	18.1	17.5	18.3	13.1	2.1	13.3	18.2	19.9
G90.0	0.0	11.0	17.8	16.9	18.0	12.4	0.8	12.5	17.7	19.4
G91.0	0.0	10.8	17.6	16.3	17.6	12.0	0.0	12.1	17.4	18.9
G92.0	0.0	8.2	17.4	16.0	17.3	11.9	0.0	11.8	17.2	18.5
G93.0	0.0	7.7	16.9	15.7	17.1	10.9	0.0	8.8	16.3	17.5
G94.0	0.0	7.2	13.9	14.6	16.0	8.1	0.0	7.7	14.6	15.5
G95.0	0.0	6.8	12.2	13.5	14.2	7.1	0.0	7.0	13.0	13.3
G96.0	0.0	6.5	11.7	12.5	12.6	6.3	0.0	6.5	12.4	12.4
G97.0	0.0	6.4	11.7	11.8	12.3	5.7	0.0	6.1	12.2	12.3
G98.0	0.0	6.7	11.7	11.8	11.8	5.8	0.0	6.1	12.0	12.2
G99.0	0.0	6.4	11.7	11.8	11.4	6.0	0.0	6.6	11.7	12.2
G100.0	0.0	6.3	11.5	11.8	11.1	7.0	0.0	7.2	11.4	12.2
G101.0	0.0	6.2	11.3	11.7	10.8	7.0	0.0	7.3	11.5	11.9
G102.0	0.0	6.2	11.2	11.5	10.6	7.0	0.0	7.3	11.4	12.0
G103.0	0.0	6.0	11.1	11.7	10.6	7.0	0.0	7.3	11.4	12.0
G104.0	0.0	5.9	11.4	11.7	10.5	7.1	0.0	7.2	11.2	12.2
G105.0	0.0	5.7	11.7	11.8	10.7	7.0	0.5	7.2	11.6	12.2
G106.0	0.0	5.7	11.3	11.9	11.5	7.0	0.0	7.3	12.0	12.3
G107.0	0.0	5.5	11.1	12.0	11.7	6.8	0.5	7.1	12.0	12.3
G108.0	0.0	5.1	11.1	12.2	11.6	6.7	0.5	6.9	11.9	12.5
G109.0	0.0	4.7	11.2	12.2	11.6	6.5	0.0	6.8	11.8	12.4
G110.0	0.0	4.4	11.1	12.1	11.6	6.2	0.0	6.5	11.7	12.4

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	0.5	3.8	11.2	12.1	11.6	5.8	0.0	6.2	11.7	12.3
G112.0	0.5	3.4	11.2	12.2	11.7	5.5	0.6	6.0	11.7	12.3
G113.0	0.7	2.7	11.2	12.4	11.8	5.0	0.5	5.7	11.7	12.3
G114.0	0.7	2.3	11.3	12.6	11.9	4.6	0.7	5.4	11.7	12.4
G115.0	0.8	1.9	11.3	12.8	12.0	4.2	0.7	5.2	11.8	12.5
G116.0	0.8	1.7	11.3	13.0	12.1	3.9	0.8	5.0	11.8	12.7
G117.0	0.9	1.6	11.3	13.2	12.1	3.5	0.8	4.7	11.9	12.9
G118.0	1.0	1.4	11.4	13.3	12.1	3.2	0.9	4.5	12.0	13.2
G119.0	1.0	1.3	11.3	13.5	12.2	3.0	0.9	4.5	12.0	13.3
G120.0	1.1	1.3	11.2	13.7	12.2	2.8	1.0	4.3	12.2	13.5
G121.0	1.2	1.3	11.1	13.9	12.1	2.6	1.0	4.1	12.2	13.7
G122.0	1.3	1.4	10.9	13.9	11.9	2.4	1.1	4.0	12.3	13.8
G123.0	1.4	1.5	10.6	14.0	11.8	2.1	1.2	3.8	12.3	14.0
G124.0	1.5	1.6	10.1	14.0	11.4	1.9	1.3	3.5	12.3	14.1
G125.0	1.6	1.7	9.6	14.0	11.1	1.8	1.4	3.4	12.2	14.2
G126.0	1.7	1.8	9.1	13.9	10.6	1.8	1.4	3.1	12.2	14.2
G127.0	1.8	1.9	8.4	13.5	10.0	1.9	1.6	2.9	12.0	14.2
G128.0	1.9	2.1	7.0	13.1	9.4	2.0	1.6	2.8	11.9	14.2
G129.0	2.0	2.2	6.2	12.5	8.7	2.1	1.8	2.7	11.7	14.0
G130.0	2.2	2.4	6.2	11.8	8.1	2.3	1.8	2.5	11.4	13.9
G131.0	2.4	2.4	5.8	11.1	7.3	2.4	2.0	2.4	11.2	13.7
G132.0	2.5	2.6	5.4	10.3	6.7	2.4	2.0	2.4	10.8	13.4
G133.0	2.6	2.8	5.1	9.4	6.2	2.5	2.1	2.3	10.4	13.1
G134.0	2.7	3.0	4.8	8.6	5.8	2.7	2.3	2.3	10.1	12.8
G135.0	2.9	3.1	4.6	7.8	5.4	2.8	2.4	2.4	9.7	12.5
G136.0	3.1	3.2	4.3	7.1	5.1	3.0	2.5	2.5	9.4	12.3
G137.0	3.2	3.4	4.2	6.5	4.8	3.2	2.6	2.6	8.8	11.7
G138.0	3.3	3.5	4.0	6.2	4.5	3.3	2.8	2.8	8.4	11.2
G139.0	3.6	3.8	3.8	5.8	4.1	3.4	2.9	3.0	7.9	10.8
G140.0	3.7	3.9	3.9	5.7	3.9	3.6	3.0	3.0	7.4	10.3
G141.0	3.9	4.1	4.0	5.4	3.9	3.8	3.2	3.2	7.0	9.8
G142.0	4.0	4.3	4.2	5.2	4.1	3.8	3.2	3.4	6.8	9.3
G143.0	4.1	4.4	4.4	4.8	4.3	4.0	3.4	3.5	6.4	8.8
G144.0	4.2	4.6	4.5	4.7	4.4	4.2	3.5	3.6	6.0	8.2
G145.0	4.3	4.7	4.6	4.6	4.6	4.3	3.7	3.7	5.7	7.7
G146.0	4.4	4.9	4.8	4.8	4.7	4.5	3.8	3.9	5.2	7.3
G147.0	4.6	5.0	4.9	4.9	4.8	4.6	3.9	4.0	4.9	6.9

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 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	4.8	5.1	5.2	5.1	5.0	4.9	4.0	4.1	4.7	6.5
G149.0	4.8	5.3	5.3	5.3	5.2	4.9	4.1	4.3	4.5	6.0
G150.0	5.0	5.4	5.4	5.4	5.3	5.2	4.2	4.4	4.5	5.7
G151.0	5.1	5.6	5.6	5.6	5.4	5.3	4.3	4.6	4.6	5.4
G152.0	5.2	5.7	5.8	5.7	5.6	5.4	4.5	4.6	4.8	5.2
G153.0	5.3	5.8	5.8	5.9	5.7	5.5	4.6	4.8	4.9	5.2
G154.0	5.4	5.9	6.0	6.0	5.8	5.6	4.7	4.9	5.1	5.2
G155.0	5.5	6.0	6.2	6.2	6.0	5.7	4.8	5.0	5.2	5.3
G156.0	5.7	6.1	6.2	6.3	6.1	5.9	4.9	5.1	5.3	5.3
G157.0	5.7	6.1	6.3	6.4	6.2	6.1	5.0	5.3	5.4	5.4
G158.0	5.8	6.2	6.3	6.4	6.3	6.1	5.1	5.4	5.4	5.6
G159.0	5.9	6.2	6.4	6.5	6.4	6.2	5.2	5.5	5.6	5.6
G160.0	5.9	6.2	6.4	6.5	6.5	6.3	5.3	5.6	5.6	5.7
G161.0	6.0	6.3	6.5	6.6	6.5	6.5	5.3	5.6	5.8	5.8
G162.0	6.0	6.3	6.5	6.7	6.6	6.5	5.4	5.7	5.9	5.9
G163.0	6.3	6.4	6.5	6.6	6.6	6.5	5.4	5.7	5.9	5.9
G164.0	6.3	6.4	6.5	6.7	6.7	6.6	5.5	5.9	5.9	5.9
G165.0	6.3	6.3	6.5	6.6	6.7	6.7	5.6	5.9	6.0	6.0
G166.0	6.3	6.4	6.5	6.5	6.7	6.7	5.7	5.9	6.0	6.0
G167.0	6.4	6.4	6.4	6.5	6.7	6.8	5.8	6.0	6.0	6.0
G168.0	6.4	6.4	6.4	6.5	6.7	6.9	5.9	6.0	6.0	6.1
G169.0	6.4	6.4	6.4	6.5	6.7	6.9	5.9	6.1	6.1	6.1
G170.0	6.4	6.4	6.4	6.4	6.7	7.0	5.9	6.1	6.0	6.1
G171.0	6.5	6.4	6.3	6.4	6.7	6.9	6.0	6.2	6.1	6.1
G172.0	6.5	6.4	6.3	6.4	6.7	7.0	6.1	6.2	6.2	6.1
G173.0	6.6	6.4	6.3	6.4	6.7	7.0	6.2	6.2	6.2	6.1
G174.0	6.6	6.4	6.3	6.4	6.6	7.0	6.2	6.2	6.2	6.1
G175.0	6.6	6.4	6.3	6.3	6.7	7.1	6.3	6.2	6.2	6.2
G176.0	6.6	6.4	6.2	6.3	6.6	7.1	6.3	6.3	6.2	6.2
G177.0	6.6	6.4	6.2	6.3	6.6	7.0	6.3	6.3	6.2	6.2
G178.0	6.6	6.4	6.2	6.3	6.6	7.0	6.4	6.3	6.2	6.3
G179.0	6.6	6.4	6.2	6.3	6.6	7.1	6.4	6.4	6.2	6.3
G180.0	6.6	6.4	6.2	6.3	6.5	7.0	6.4	6.4	6.2	6.3

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 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	2143.4	2143.4	2143.4							
G1.0	2145.4	2132.9	2119.3							
G2.0	2136.7	2108.9	2084.5							
G3.0	2115.4	2076.7	2034.6							
G4.0	2085.4	2035.0	1979.5							
G5.0	2041.3	1978.3	1915.7							
G6.0	1991.5	1918.1	1835.9							
G7.0	1932.8	1849.3	1758.2							
G8.0	1860.8	1767.1	1666.4							
G9.0	1788.5	1687.4	1579.8							
G10.0	1710.7	1603.9	1491.9							
G11.0	1621.3	1509.0	1394.2							
G12.0	1537.3	1421.8	1305.9							
G13.0	1452.7	1335.3	1218.4							
G14.0	1359.4	1242.1	1133.4							
G15.0	1275.0	1158.4	1043.6							
G16.0	1183.7	1077.5	966.5							
G17.0	1103.5	992.6	892.5							
G18.0	1025.5	919.3	822.9							
G19.0	943.8	849.3	758.6							
G20.0	873.4	777.5	692.7							
G21.0	806.8	716.2	637.2							
G22.0	744.4	659.1	581.5							
G23.0	681.1	601.3	535.1							
G24.0	628.1	553.3	492.1							
G25.0	578.9	509.0	452.5							
G26.0	528.9	464.5	413.0							
G27.0	487.6	427.9	380.3							
G28.0	449.9	394.3	350.0							
G29.0	412.0	361.0	322.9							
G30.0	379.8	332.9	298.4							
G31.0	351.2	307.9	274.5							
G32.0	325.3	285.1	255.2							
G33.0	299.1	262.4	237.3							
G34.0	277.7	244.0	219.8							
G35.0	258.2	227.2	205.5							
G36.0	240.8	212.2	192.3							

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 6)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	223.5	197.4	179.3							
G38.0	209.6	185.2	168.5							
G39.0	196.8	174.3	158.7							
G40.0	184.2	163.2	148.8							
G41.0	173.6	154.1	140.5							
G42.0	163.9	145.6	132.7							
G43.0	155.1	137.0	125.7							
G44.0	146.1	129.7	118.3							
G45.0	138.5	122.9	112.2							
G46.0	131.5	116.1	106.4							
G47.0	124.4	110.2	100.9							
G48.0	118.2	104.7	95.2							
G49.0	112.1	99.1	90.5							
G50.0	106.7	94.3	85.9							
G51.0	101.7	89.8	81.7							
G52.0	96.6	85.5	77.3							
G53.0	92.2	82.0	73.5							
G54.0	88.0	78.1	70.0							
G55.0	83.6	74.5	66.5							
G56.0	79.8	70.5	63.5							
G57.0	76.3	67.3	60.6							
G58.0	72.7	64.4	57.8							
G59.0	69.5	61.3	55.3							
G60.0	66.5	58.6	53.1							
G61.0	63.6	56.1	50.9							
G62.0	60.8	53.5	48.7							
G63.0	58.2	51.3	46.7							
G64.0	55.5	49.1	44.8							
G65.0	53.2	46.9	42.6							
G66.0	50.9	44.6	40.8							
G67.0	48.5	42.7	38.7							
G68.0	46.4	40.6	36.6							
G69.0	44.4	38.8	33.9							
G70.0	42.4	37.1	31.8							
G71.0	40.3	35.2	29.8							
G72.0	38.5	33.6	27.5							
G73.0	36.7	31.9	25.6							

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	34.9	30.2	23.7							
G75.0	33.2	28.6	21.8							
G76.0	31.7	27.0	19.5							
G77.0	30.1	25.5	17.3							
G78.0	28.7	24.1	14.9							
G79.0	27.4	22.7	12.8							
G80.0	26.2	21.4	10.9							
G81.0	25.1	20.0	9.3							
G82.0	24.1	18.8	7.9							
G83.0	23.0	17.7	6.7							
G84.0	22.2	16.7	5.5							
G85.0	21.5	15.7	4.4							
G86.0	21.0	14.7	3.3							
G87.0	20.1	13.8	2.2							
G88.0	19.5	13.0	1.3							
G89.0	19.0	12.4	0.0							
G90.0	18.6	11.9	0.0							
G91.0	18.3	10.8	0.0							
G92.0	18.1	8.3	0.0							
G93.0	16.3	7.7	0.0							
G94.0	13.8	7.1	0.0							
G95.0	12.8	6.5	0.0							
G96.0	12.6	6.3	0.0							
G97.0	12.5	6.5	0.0							
G98.0	12.3	6.8	0.0							
G99.0	12.1	6.7	0.0							
G100.0	11.9	6.6	0.0							
G101.0	11.9	6.7	0.0							
G102.0	11.7	6.6	0.0							
G103.0	11.7	6.5	0.0							
G104.0	11.9	6.4	0.0							
G105.0	12.3	6.2	0.0							
G106.0	12.1	6.1	0.0							
G107.0	11.7	5.8	0.0							
G108.0	11.6	5.6	0.0							
G109.0	11.4	5.5	0.0							
G110.0	11.3	5.3	0.0							

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 8)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G111.0	11.2	5.2	0.5							
G112.0	11.2	5.1	0.5							
G113.0	11.2	4.9	0.7							
G114.0	11.2	4.7	0.7							
G115.0	11.2	4.6	0.8							
G116.0	11.3	4.4	0.8							
G117.0	11.3	4.3	0.9							
G118.0	11.4	4.2	1.0							
G119.0	11.5	4.2	1.0							
G120.0	11.6	4.1	1.1							
G121.0	11.7	4.0	1.2							
G122.0	11.7	4.0	1.3							
G123.0	11.7	3.9	1.4							
G124.0	11.8	3.8	1.5							
G125.0	11.8	3.7	1.6							
G126.0	11.7	3.6	1.7							
G127.0	11.7	3.5	1.8							
G128.0	11.6	3.4	1.9							
G129.0	11.4	3.3	2.0							
G130.0	11.2	3.2	2.2							
G131.0	10.9	3.0	2.4							
G132.0	10.6	3.0	2.5							
G133.0	10.3	2.9	2.6							
G134.0	10.1	2.9	2.7							
G135.0	9.7	3.0	2.9							
G136.0	9.3	3.2	3.1							
G137.0	8.9	3.3	3.2							
G138.0	8.5	3.4	3.3							
G139.0	8.1	3.5	3.6							
G140.0	7.6	3.7	3.7							
G141.0	7.3	3.8	3.9							
G142.0	6.9	4.0	4.0							
G143.0	6.6	4.1	4.1							
G144.0	6.2	4.2	4.2							
G145.0	5.8	4.3	4.3							
G146.0	5.4	4.4	4.4							
G147.0	5.2	4.6	4.6							

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	5.0	4.6	4.8							
G149.0	4.9	4.7	4.8							
G150.0	4.9	4.8	5.0							
G151.0	5.0	4.9	5.1							
G152.0	5.0	5.0	5.2							
G153.0	5.2	5.2	5.3							
G154.0	5.2	5.2	5.4							
G155.0	5.3	5.3	5.5							
G156.0	5.4	5.5	5.7							
G157.0	5.5	5.5	5.7							
G158.0	5.6	5.6	5.8							
G159.0	5.7	5.7	5.9							
G160.0	5.8	5.7	5.9							
G161.0	5.8	5.8	6.0							
G162.0	5.9	6.0	6.0							
G163.0	5.9	6.0	6.3							
G164.0	6.0	6.0	6.3							
G165.0	6.0	6.1	6.3							
G166.0	6.1	6.2	6.3							
G167.0	6.1	6.2	6.4							
G168.0	6.1	6.3	6.4							
G169.0	6.2	6.4	6.4							
G170.0	6.2	6.4	6.4							
G171.0	6.2	6.5	6.5							
G172.0	6.2	6.6	6.5							
G173.0	6.2	6.6	6.6							
G174.0	6.3	6.7	6.6							
G175.0	6.3	6.8	6.6							
G176.0	6.3	6.9	6.6							
G177.0	6.4	6.9	6.6							
G178.0	6.4	7.0	6.6							
G179.0	6.4	7.0	6.6							
G180.0	6.5	7.0	6.6							

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	6936.18
L 0-180(75) av	5799.34
L 0-180(85) av	3883.53
L 90-270(65) av	7931.39
L 90-270(75) av	8358.76
L 90-270(85) av	15805.16
L 45(65) av	7534.77
L 45(75) av	7572.84
L 45(85) av	13327.38

Standard: GB/T 29293-2012