

Report No.: MSTLAB241102032

Test Time: 2024/11/2

Luminaire Property

Luminaire Manufacturer: MESTER

Luminaire Category: ALL012F

Luminaire Description: MALL012F27V27K- (Up25%+Down-75%)

Lamp Catalog:

Number of Lamps: 1

Luminous Length (mm): 600

Luminous Height (mm):

Current: 0.168 A

Power Factor: 0.995

Lamp Description:

Lumens per Lamp:

Luminous Width (mm): 63

Voltage: 120.2 V

Power: 20.10 W

Photometric Results

CIE Class: Semi-Direct

Measurement Flux: 2663.2 lm

Downward Ratio: 74%

Horizontal Diffuse Angle(10%,50%,75%,100%): H159.8,H108.4,H71.9,H1

Vertical Diffuse Angle(10%,50%,75%,100%): V160.1,V109.6,V73.2,V1

Luminous Efficacy (lm/w): 132.50

Max. Intensity: 717.26 cd

S/MH(C0/C180): 1.22

Total Rated Lamp Lumens: 2663.2 lm

Efficiency: 100%

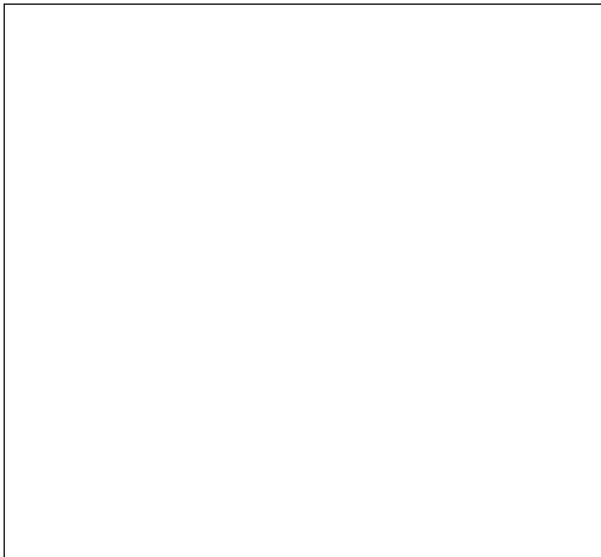
Upward Ratio: 26%

C0r0 Intensity: 716.89 cd

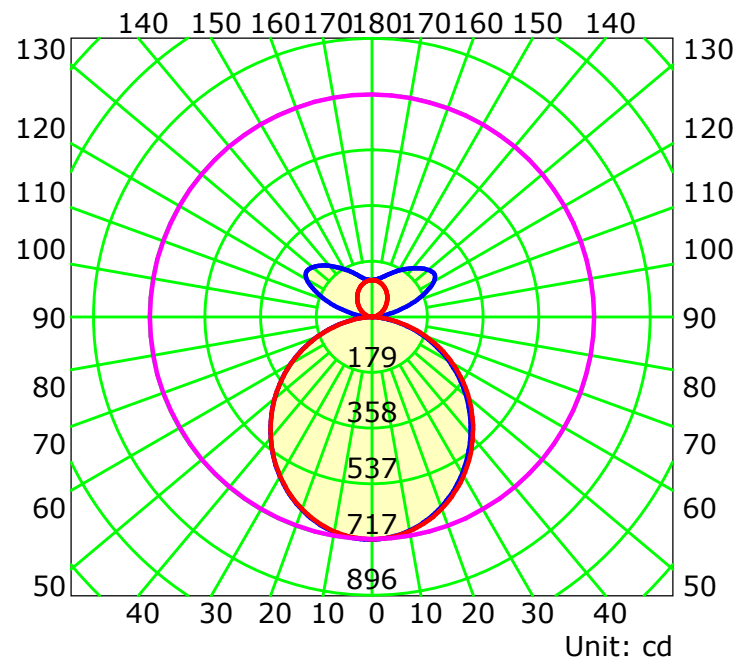
Pos of Max. Intensity: H195 V2

S/MH(C90/C270): 1.23

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 109.0°

— C0-C180 — C90-C270 — G2

C Plane (°):0.0-360.0: 15.0

Test Lab: MESTER LAB

Test Type: TYPE C

Temperature: 25.5°C

Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0

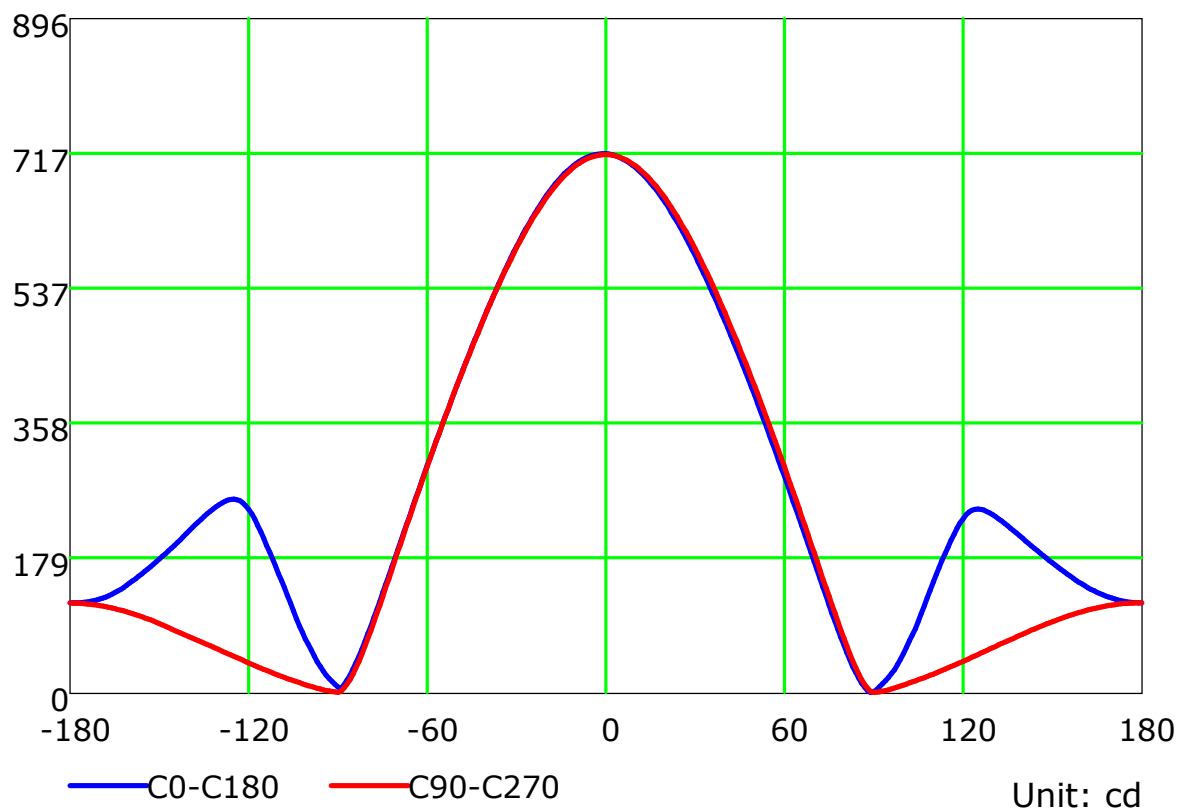
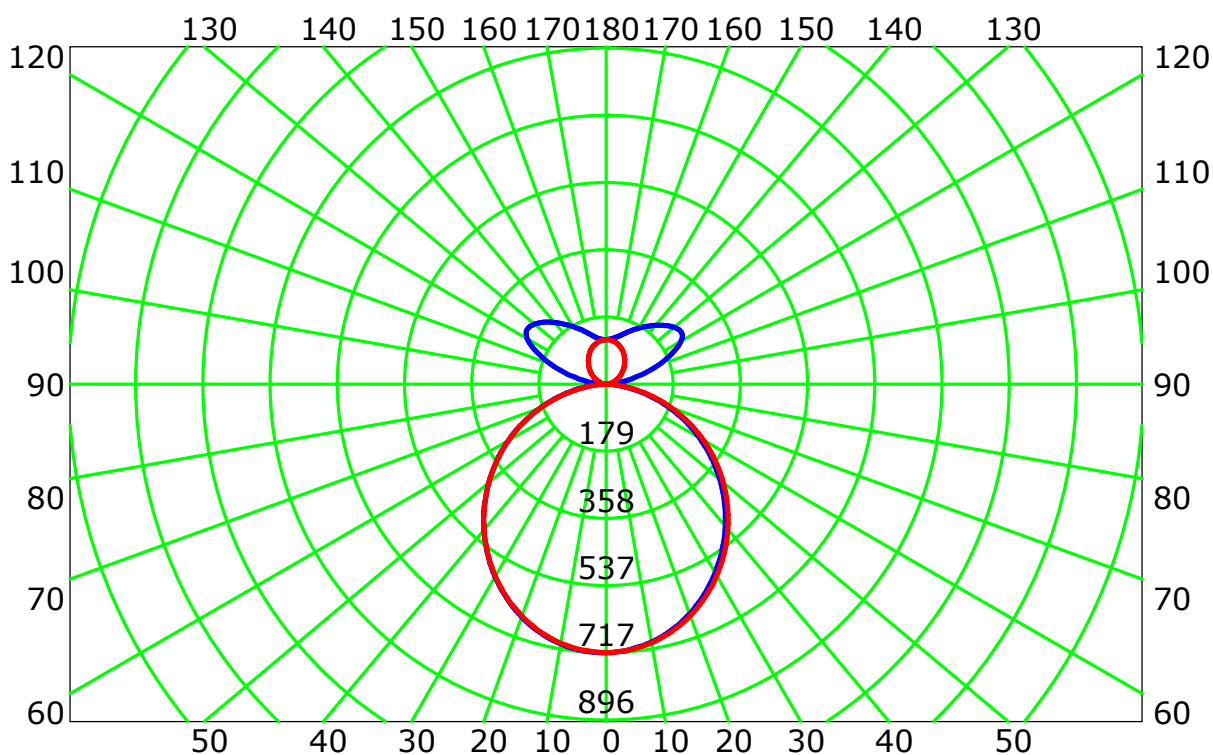
Test Device: GPM-1800B

Distance: 11.655 m [K=1.0000]

Humidity: 45% R.H

Inspector:

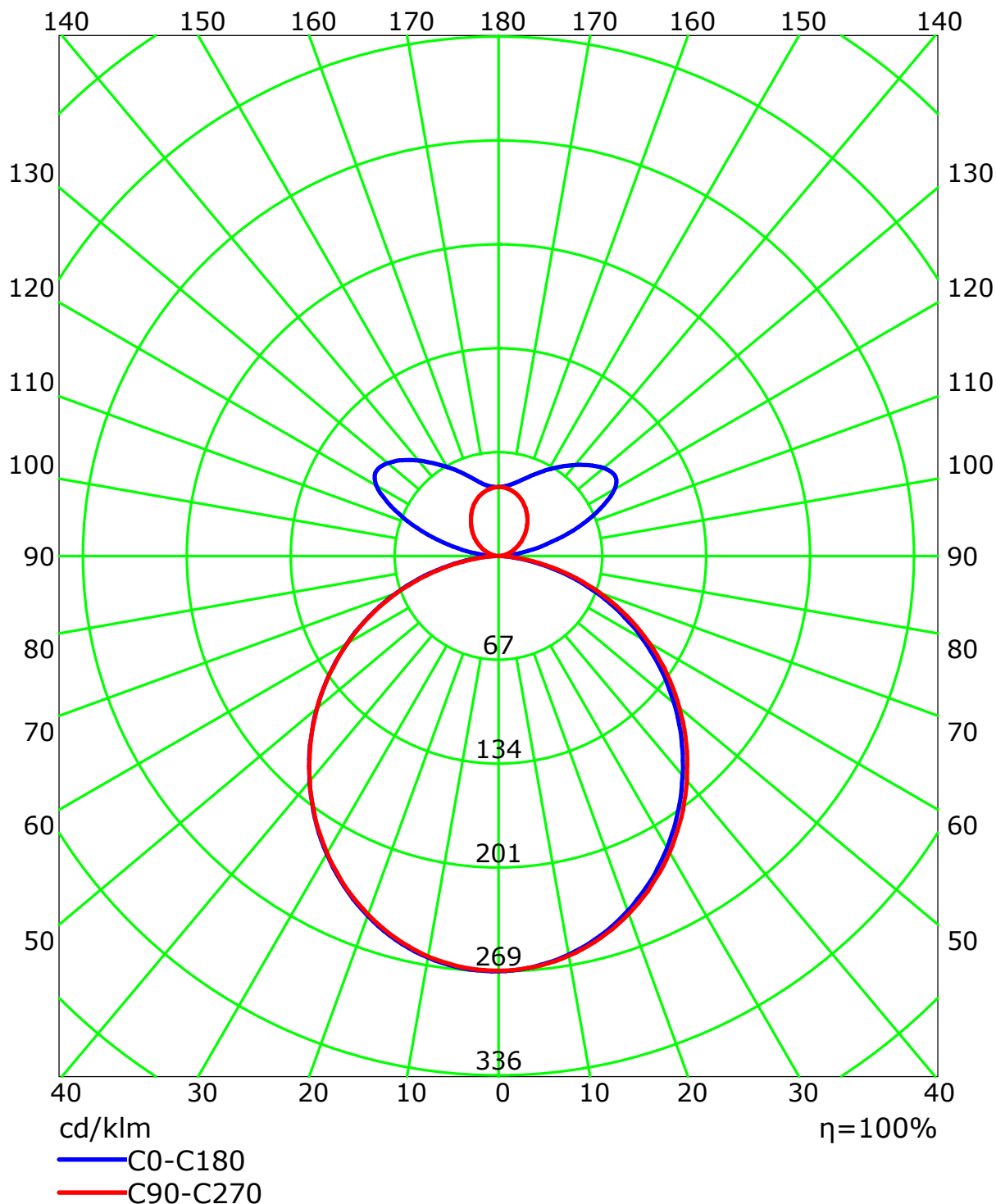
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5℃
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5°C
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
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Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

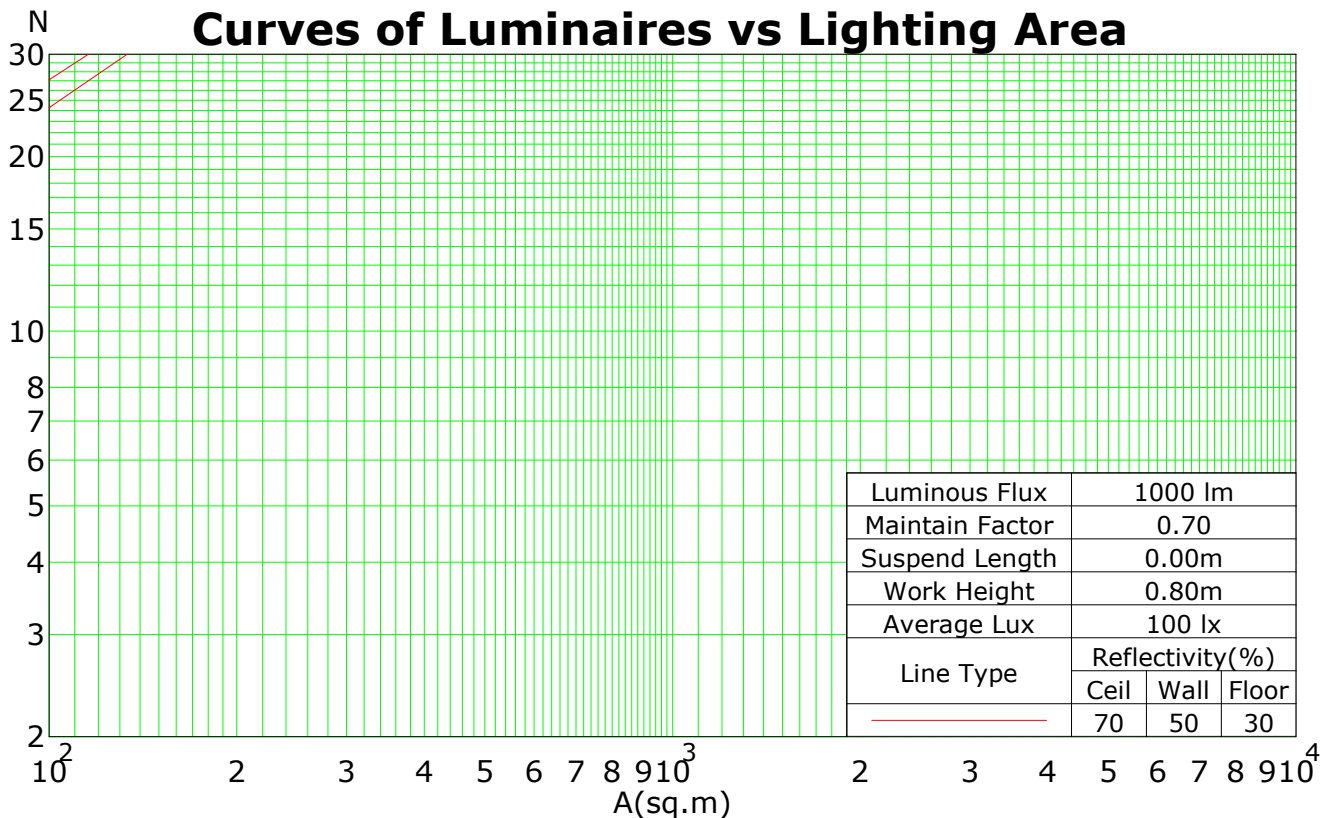
Coefficients Of Utilization - Zonal Cavity Method

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	1.13	1.13	1.13	1.13	1.07	1.07	1.07	1.07	0.96	0.96	0.96	0.87	0.87	0.87	0.78	0.78	0.78	0.74
1	1.03	0.98	0.94	0.91	0.98	0.94	0.90	0.87	0.85	0.82	0.79	0.76	0.74	0.72	0.69	0.67	0.66	0.62
2	0.94	0.86	0.79	0.74	0.89	0.82	0.76	0.71	0.74	0.69	0.65	0.67	0.63	0.60	0.60	0.58	0.55	0.52
3	0.85	0.75	0.68	0.61	0.81	0.72	0.65	0.59	0.65	0.60	0.55	0.59	0.54	0.51	0.53	0.50	0.47	0.43
4	0.78	0.67	0.58	0.52	0.74	0.64	0.56	0.50	0.58	0.52	0.47	0.53	0.47	0.43	0.48	0.43	0.40	0.37
5	0.72	0.59	0.51	0.45	0.68	0.57	0.49	0.43	0.52	0.45	0.40	0.47	0.42	0.38	0.43	0.38	0.35	0.32
6	0.66	0.53	0.45	0.39	0.63	0.51	0.43	0.38	0.47	0.40	0.35	0.43	0.37	0.33	0.39	0.34	0.31	0.28
7	0.61	0.48	0.40	0.34	0.58	0.46	0.39	0.33	0.42	0.36	0.31	0.39	0.33	0.29	0.35	0.31	0.27	0.25
8	0.57	0.44	0.36	0.30	0.54	0.42	0.35	0.29	0.39	0.32	0.28	0.36	0.30	0.26	0.32	0.28	0.24	0.22
9	0.53	0.40	0.32	0.27	0.50	0.39	0.31	0.26	0.36	0.29	0.25	0.33	0.27	0.23	0.30	0.25	0.22	0.20
10	0.50	0.37	0.29	0.24	0.47	0.36	0.29	0.24	0.33	0.27	0.22	0.30	0.25	0.21	0.28	0.23	0.20	0.18

Spacing Criteria (0-180): 1.22

Spacing Criteria (90-270): 1.23

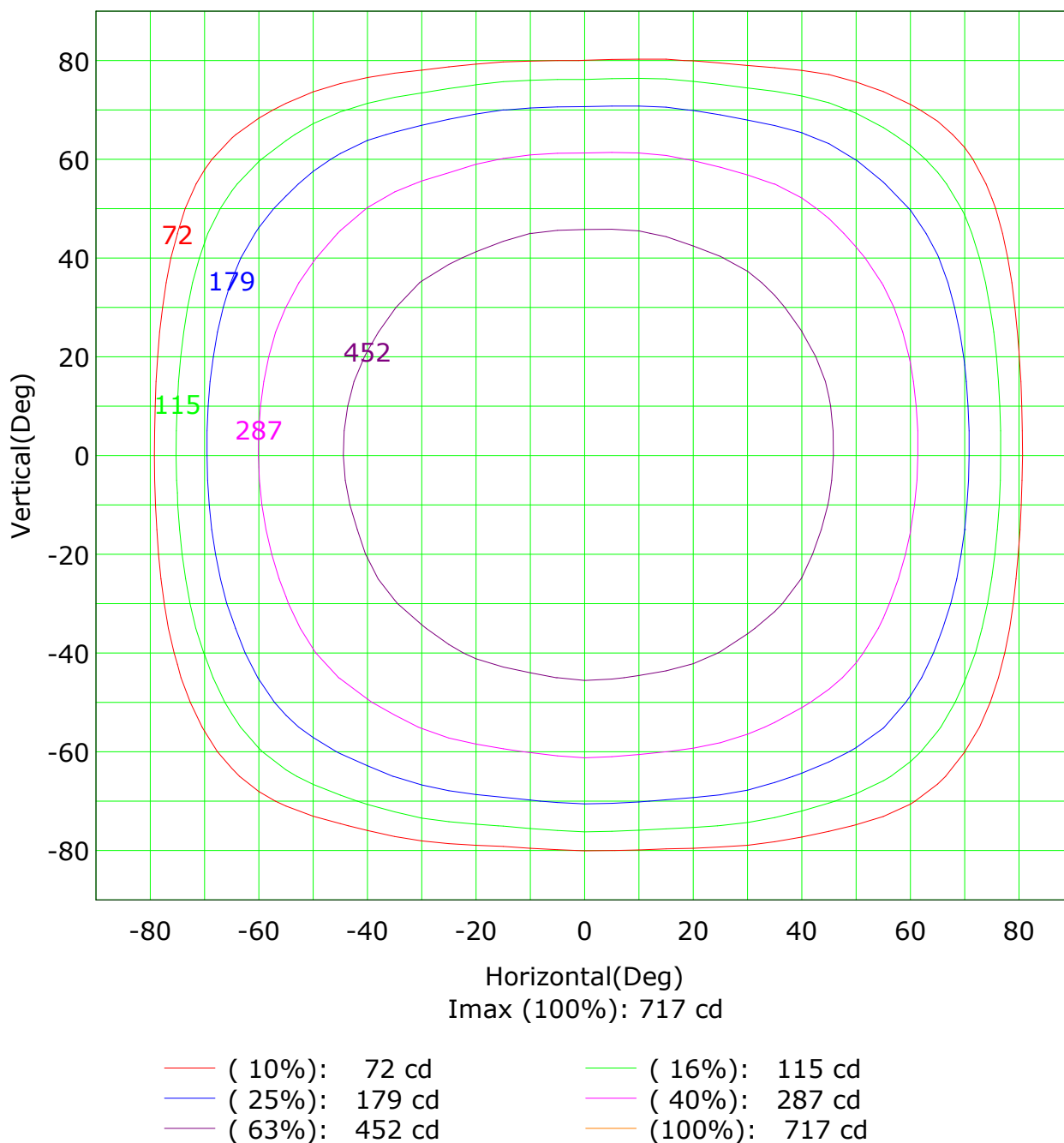
Spacing Criteria (Diagonal): 1.34



C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5℃
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

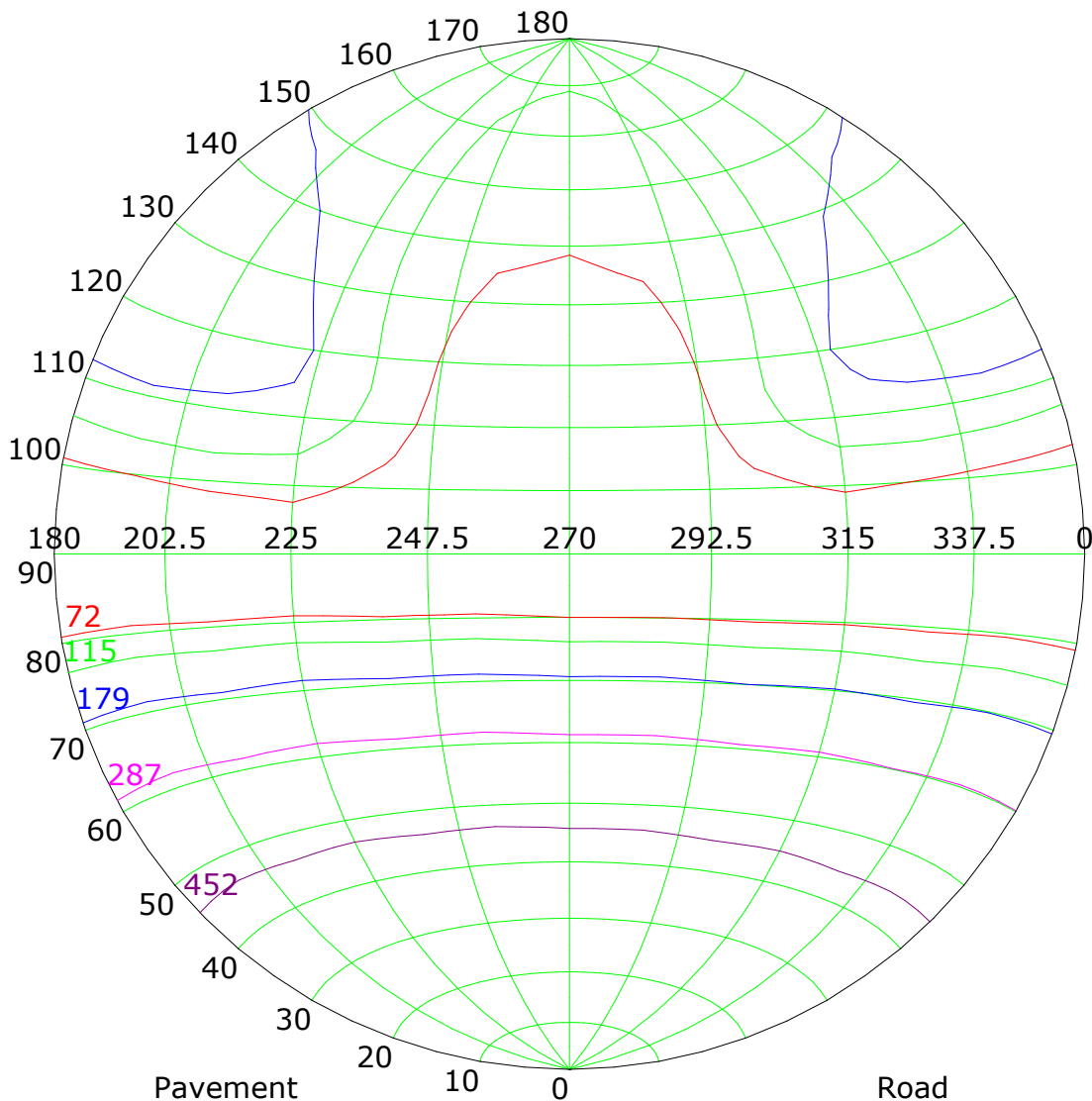
Isocandela (rectangle)



C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5℃
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

Isocandela (sphere)



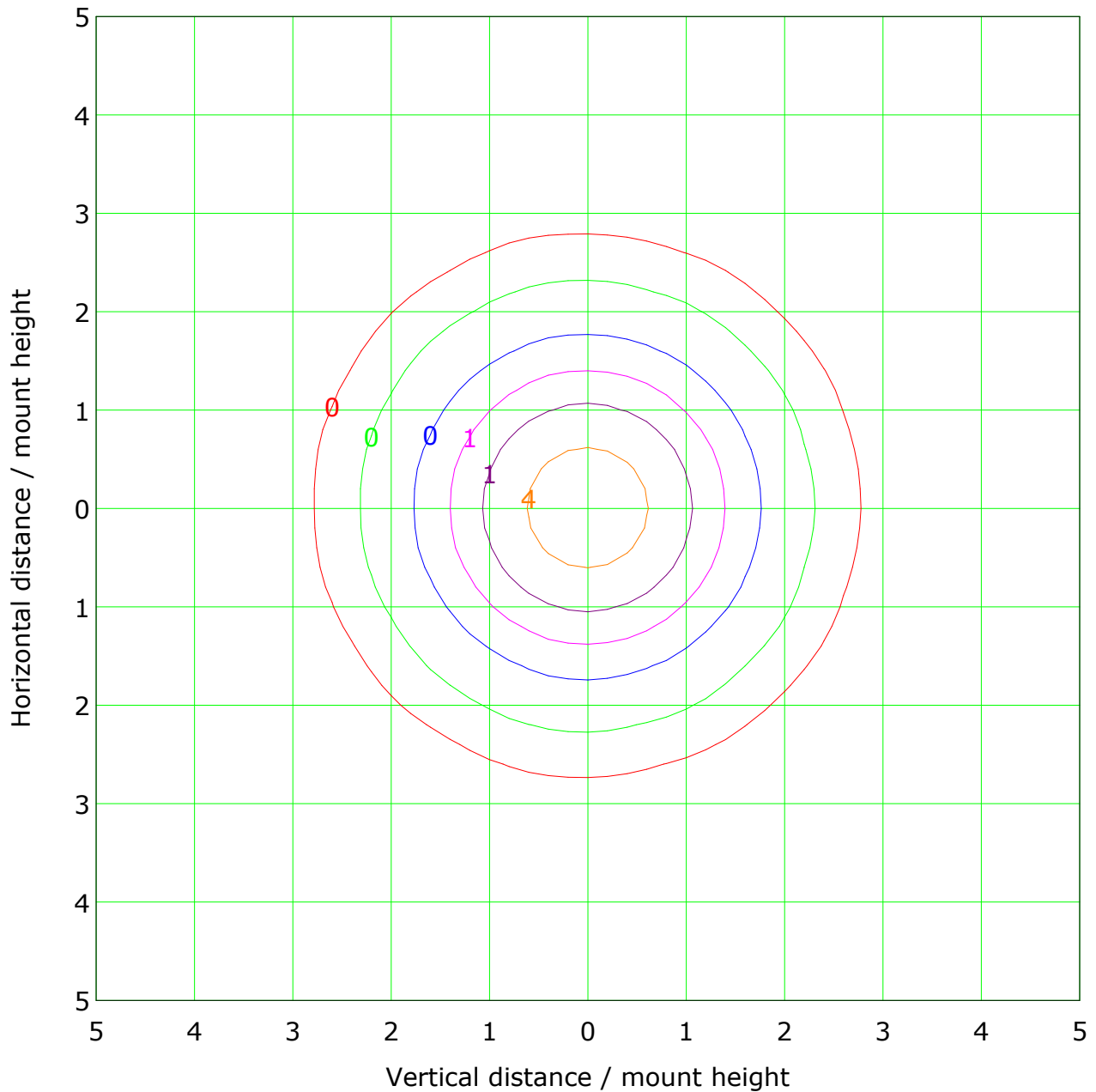
Imax (100%): 717 cd

(10%): 72 cd	(16%): 115 cd
(25%): 179 cd	(40%): 287 cd
(63%): 452 cd	(100%): 717 cd

CIE: narrow - short
CIE: Semi-cut-off luminaire
Max.At90: 6.018 cd/klm

IES: Cut-off
Max.At80: 30.637 cd/klm
Max.80-90: 30.637 cd/klm

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 7.2 lx

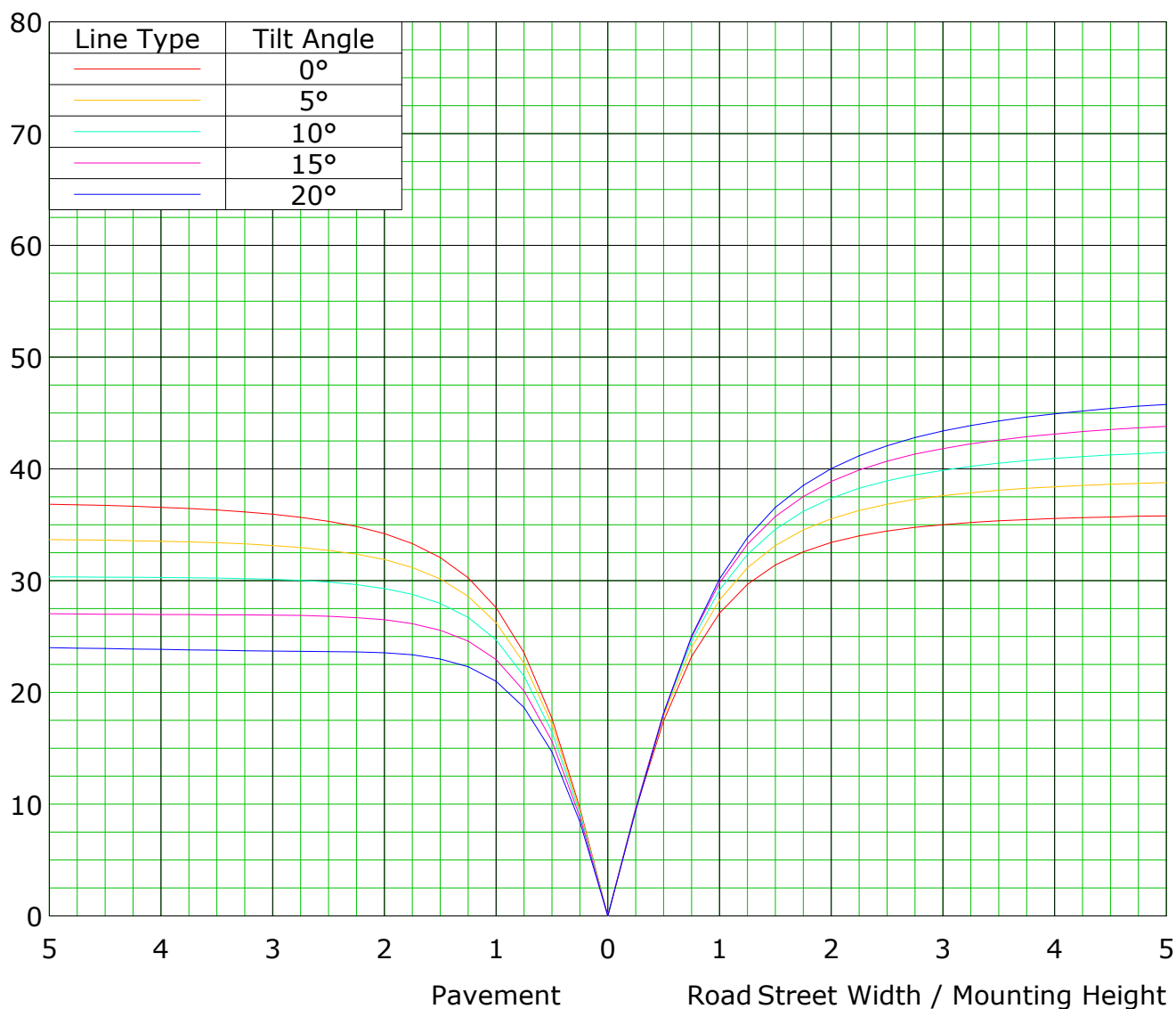
(1%): 0.1 lx	(2%): 0.1 lx
(5%): 0.4 lx	(10%): 0.7 lx
(20%): 1.4 lx	(50%): 3.6 lx
(100%): 7.2 lx	

C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5℃
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

Roadway CU Curve

Efficiency(%)



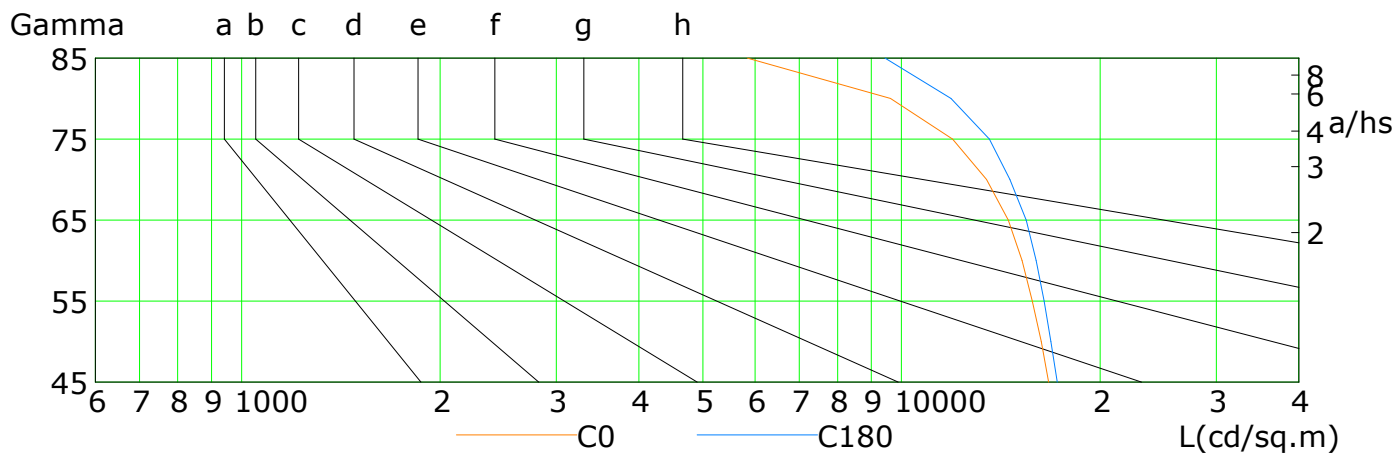
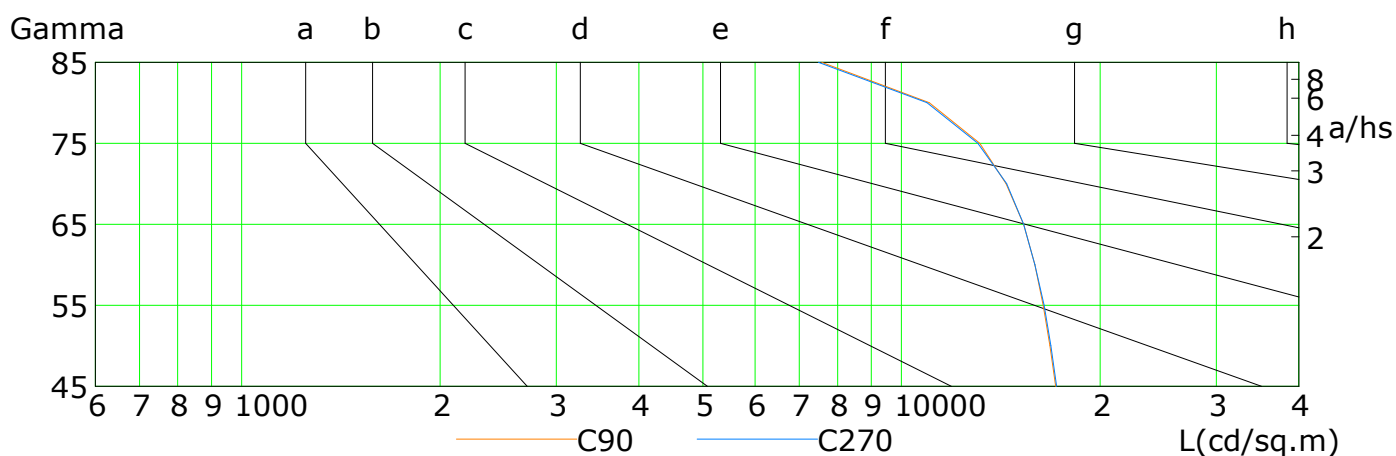
C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5°C
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
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

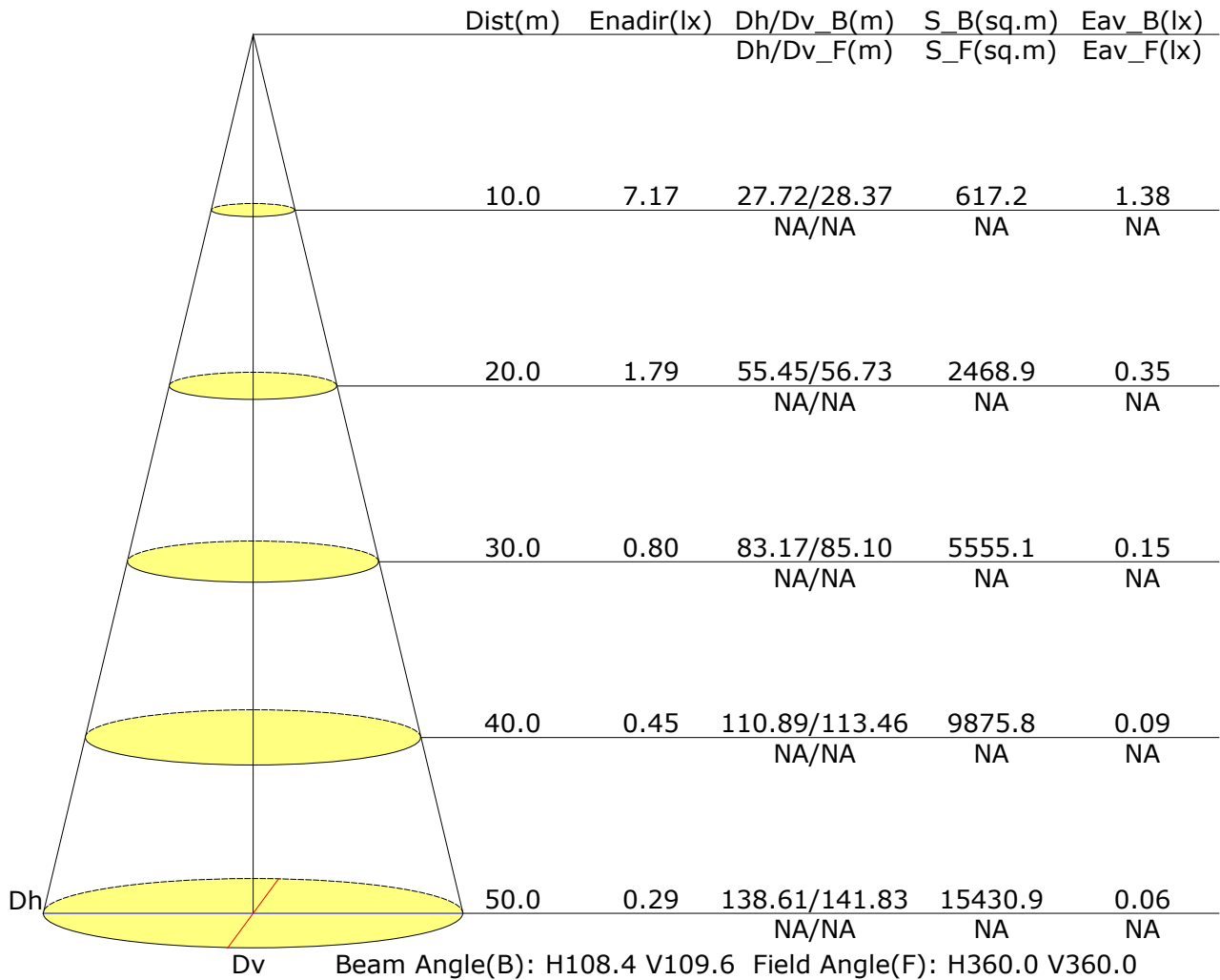


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	16702	16291	15793	15238	14512	13451	11954	9627	5841
C90	17132	16779	16390	15925	15316	14401	13149	11020	7566
C180	17229	16841	16456	16005	15449	14600	13587	11889	9441
C270	17188	16841	16449	15931	15309	14436	13060	10935	7482

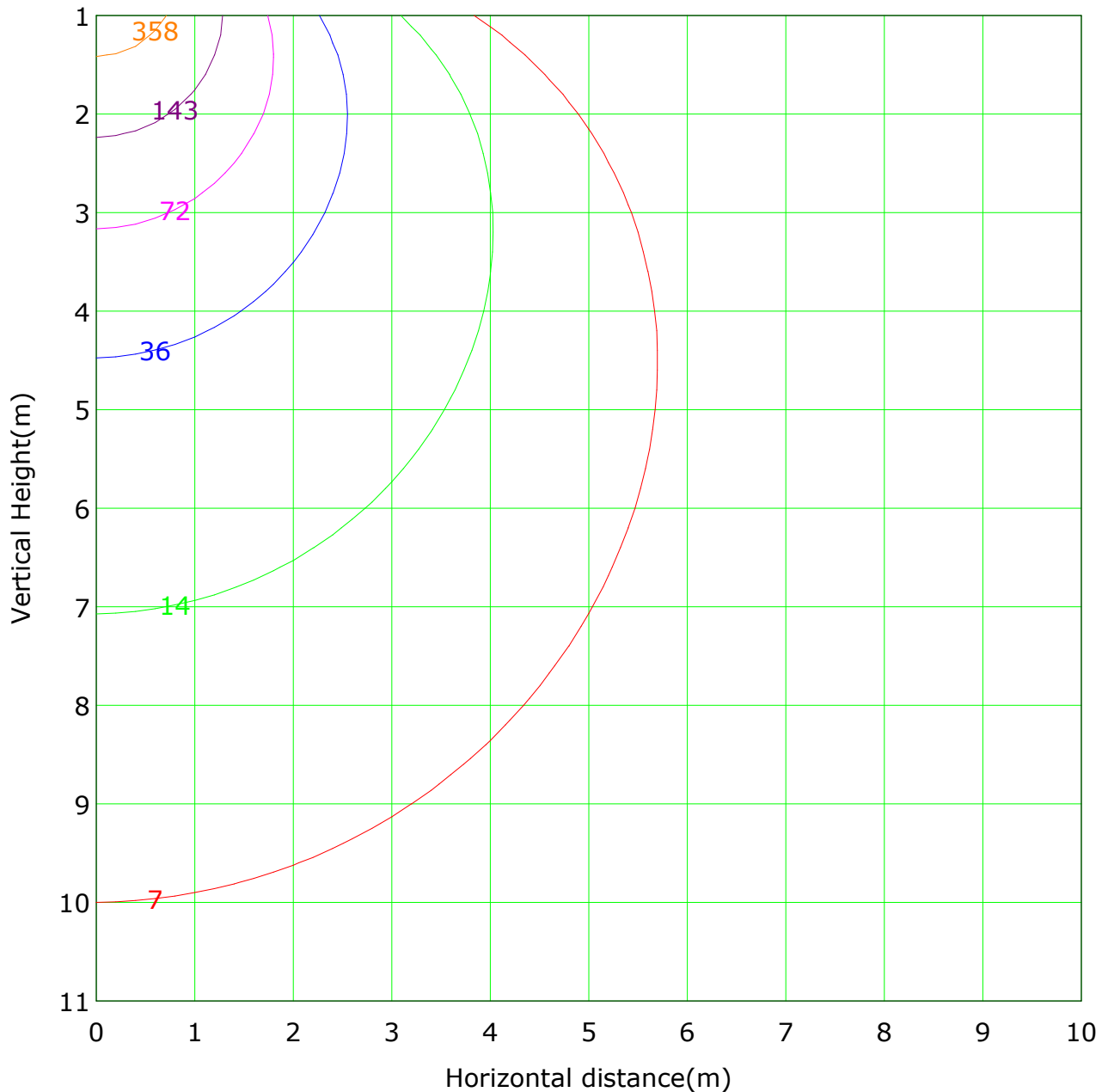
C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5℃
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

Illuminance at a Distance



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 716.9 lx

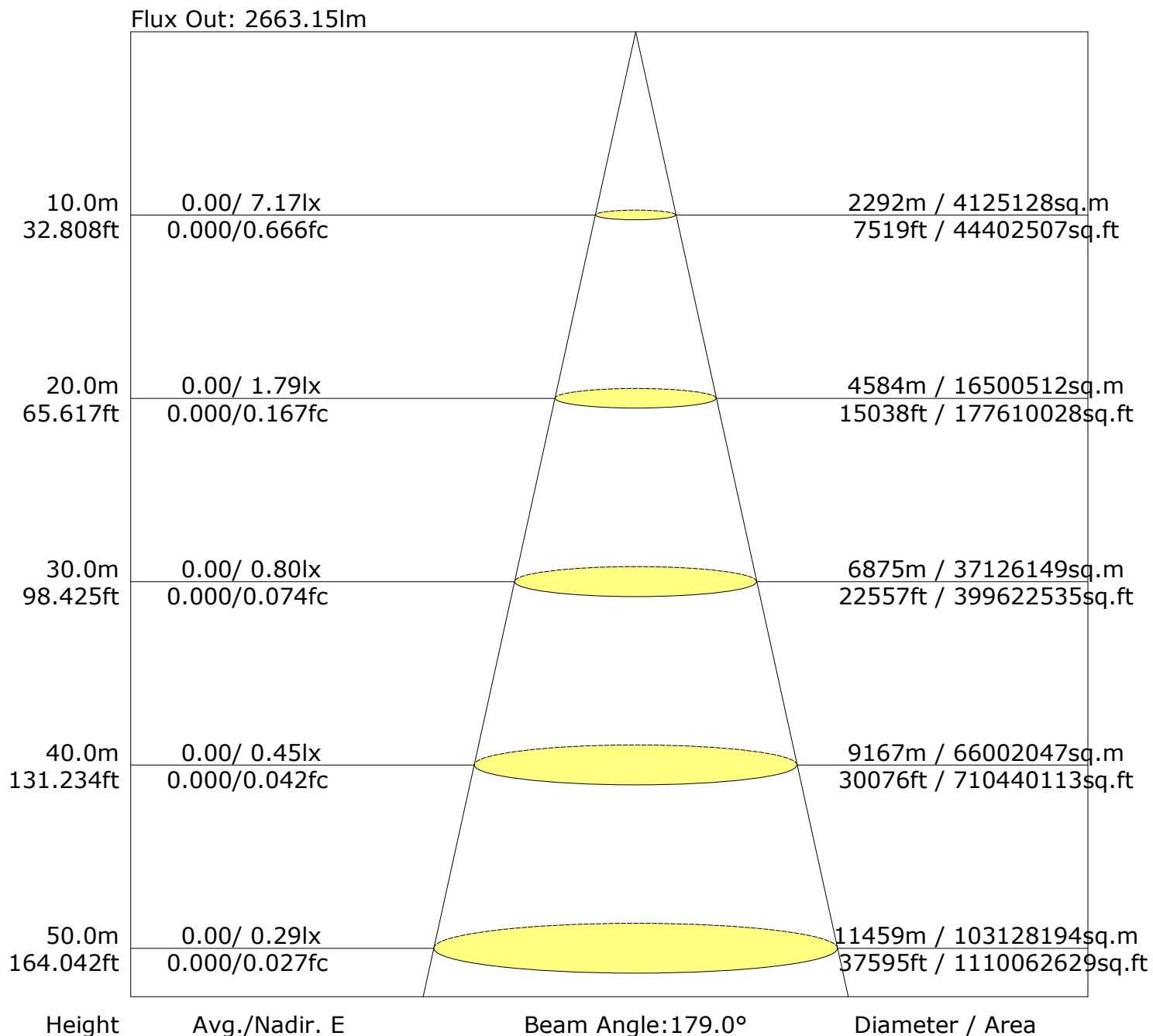
— (1%): 7.2 lx	— (2%): 14.3 lx
— (5%): 35.8 lx	— (10%): 71.7 lx
— (20%): 143.4 lx	— (50%): 358.4 lx
— (100%): 716.9 lx	

Area Flux Table

Unit: lm

Vertical plane		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
Flux(E)	Flux(T)	0.0	0.1	0.2	0.3	0.5	0.6	0.8	0.9	0.9	0.9	0.9	0.8	0.6	0.5	0.3	0.2	0.1	0.0	0.0
0.1	1.3	0.1	0.2	0.6	1.1	1.9	2.6	3.2	3.8	3.9	3.9	3.9	3.6	3.0	2.3	1.6	0.9	0.4	0.1	0.0
0.1	11.4	0.4	1.1	2.2	3.5	4.9	6.1	7.0	7.4	7.4	7.4	6.9	5.8	4.6	3.2	1.9	0.9	0.3	0.0	0.0
0.1	0.5	1.6	3.2	5.1	7.1	8.8	10.2	10.8	10.7	10.0	8.5	6.8	4.8	2.9	1.5	0.9	0.4	0.1	0.0	0.0
0.1	0.7	2.1	4.1	6.6	9.2	11.3	13.1	13.9	13.8	12.8	11.0	8.8	6.2	3.9	1.9	0.9	0.2	0.1	0.0	0.0
0.1	0.9	2.6	5.0	7.8	10.9	13.6	15.6	16.7	16.6	15.3	13.2	10.5	7.5	4.7	2.4	0.7	0.1	0.1	0.1	0.1
0.1	1.0	2.9	5.6	8.9	12.2	15.4	17.7	19.0	18.9	17.4	15.0	11.8	8.5	5.3	2.7	0.9	0.1	0.1	0.1	0.1
0.1	1.1	3.1	6.1	9.6	13.3	16.6	19.3	20.6	20.5	19.0	16.2	12.9	9.2	5.8	2.9	0.9	0.1	0.1	0.1	0.1
0.1	1.1	3.2	6.2	9.9	13.7	17.3	20.0	21.5	21.4	19.8	17.0	13.4	9.6	6.0	3.0	1.0	0.1	0.1	0.1	0.1
0.1	1.1	3.2	6.2	9.8	13.7	17.2	20.0	21.4	21.3	19.7	16.9	13.3	9.5	6.0	3.0	1.0	0.1	0.1	0.1	0.1
0.1	1.0	3.0	6.0	9.5	13.1	16.6	19.1	20.5	20.4	18.9	16.2	12.8	9.1	5.7	2.9	0.9	0.1	0.1	0.1	0.1
0.1	0.9	2.8	5.5	8.8	12.2	15.2	17.6	18.8	18.7	17.4	14.9	11.8	8.4	5.2	2.6	0.8	0.1	0.1	0.1	0.1
0.1	0.8	2.5	4.9	7.8	10.7	13.4	15.5	16.5	16.4	15.2	13.1	10.4	7.5	4.6	2.3	0.7	0.1	0.1	0.1	0.1
0.1	0.7	2.0	4.1	6.5	9.0	11.2	12.9	13.8	13.7	12.7	11.0	8.6	6.2	3.8	1.8	0.6	0.0	0.0	0.0	0.0
0.1	0.5	1.5	3.2	5.0	7.0	8.7	10.0	10.7	10.6	9.8	8.5	6.7	4.7	2.9	1.4	0.4	0.0	0.0	0.0	0.0
0.0	0.3	1.0	2.1	3.4	4.8	6.0	6.8	7.3	7.3	6.6	5.8	4.5	3.1	1.9	0.9	0.2	0.0	0.0	0.0	0.0
0.0	0.2	0.5	1.1	1.7	2.5	3.2	3.6	3.9	3.8	3.4	2.9	2.3	1.5	0.9	0.4	0.1	0.0	0.0	0.0	0.0
0.0	0.1	0.1	0.3	0.4	0.6	0.7	0.8	0.9	0.8	0.7	0.6	0.5	0.3	0.2	0.1	0.0	0.0	0.0	0.0	0.0
1.3	11.4	34.1	67.2	106.8	148.0	185.4	213.8	228.5	227.1	210.0	180.3	142.3	101.4	62.7	30.9	9.7	0.9	0.9	0.9	0.9
0.1	9.3	32.2	65.3	105.0	146.2	183.7	212.1	226.7	225.4	208.2	178.5	140.6	99.6	60.9	29.1	7.3	0.0	0.0	0.0	0.0
Flux(E)	Flux(T)	1930	1962	1930	1962	1930	1962	1930	1962	1930	1962	1930	1962	1930	1962	1930	1962	1930	1962	1930

The Average Illuminance Effective Figure



UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	19.7	20.9	20.4	21.6	22.5	19.9	21.1	20.6	21.8	22.7
3H	21.4	22.5	22.2	23.2	24.1	21.7	22.7	22.4	23.5	24.4
4H	22.0	23.0	22.8	23.8	24.7	22.3	23.3	23.1	24.0	25.0
6H	22.4	23.3	23.2	24.1	25.0	22.7	23.6	23.5	24.4	25.3
8H	22.5	23.3	23.3	24.1	25.1	22.8	23.7	23.6	24.5	25.4
12H	22.5	23.3	23.3	24.1	25.1	22.9	23.7	23.7	24.5	25.4
X=4H Y=2H	20.3	21.3	21.1	22.0	23.0	20.5	21.5	21.2	22.2	23.1
3H	22.2	23.0	23.0	23.8	24.8	22.5	23.3	23.2	24.1	25.0
4H	22.9	23.7	23.7	24.5	25.4	23.2	24.0	24.0	24.8	25.7
6H	23.4	24.0	24.2	24.9	25.8	23.7	24.4	24.6	25.2	26.2
8H	23.5	24.1	24.3	24.9	25.9	23.9	24.5	24.7	25.3	26.3
12H	23.6	24.1	24.4	24.9	25.9	24.0	24.5	24.8	25.3	26.3
X=8H Y=4H	23.2	23.8	24.0	24.6	25.6	23.5	24.1	24.3	24.9	25.9
6H	23.7	24.2	24.6	25.1	26.1	24.1	24.6	24.9	25.5	26.5
8H	23.9	24.4	24.8	25.2	26.2	24.3	24.7	25.2	25.6	26.6
12H	24.0	24.4	24.9	25.2	26.3	24.4	24.8	25.3	25.7	26.7
X=12H Y=4H	23.2	23.7	24.0	24.6	25.6	23.5	24.0	24.3	24.8	25.8
6H	23.8	24.2	24.6	25.1	26.1	24.1	24.6	25.0	25.4	26.5
8H	24.0	24.4	24.8	25.2	26.3	24.4	24.8	25.2	25.6	26.7

Calculate in accordance with CIE 190:2010 The table is revised with 2663lm ($8\log(F/F_0) = 3.4$).

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 Test Type: TYPE C
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 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

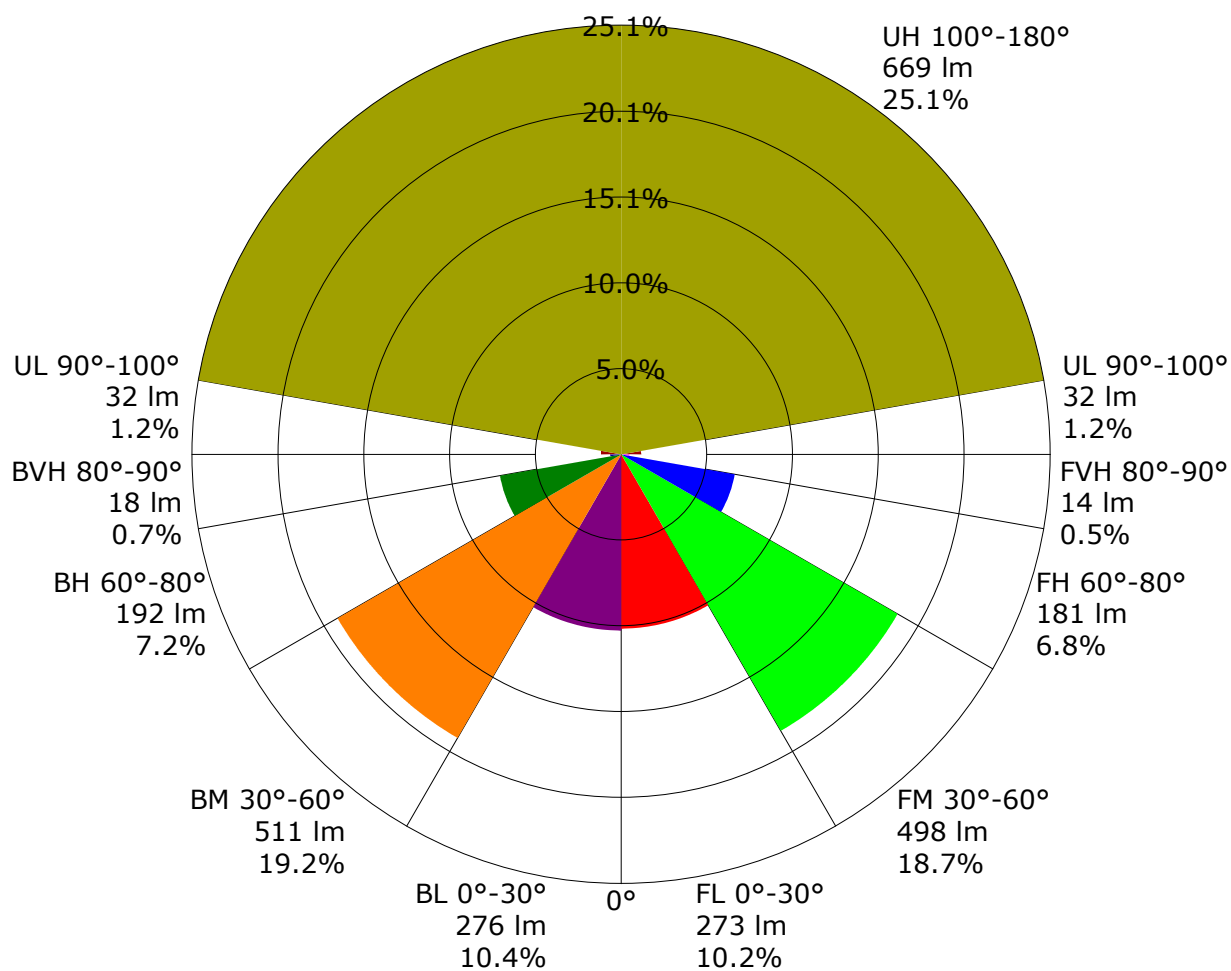
	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	965	36.2
	FL (0°-30°)	273	10.2
	FM (30°-60°)	498	18.7
	FH (60°-80°)	181	6.8
	FVH (80°-90°)	14	0.5
	BACK LIGHT	997	37.4
	BL (0°-30°)	276	10.4
	BM (30°-60°)	511	19.2
	BH (60°-80°)	192	7.2
	BVH (80°-90°)	18	0.7
	UP LIGHT	701	26.3
	UL (90°-100°)	32	1.2
	UH (100°-180°)	669	25.1
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U4 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U4 G1

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Inspector:

LCS Graph



Back Light

Forward Light

Scale= MAX LCS%

Trapped Light:NA,NA

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.51	0.61	0.68	0.73	0.80	0.84	0.88	0.92	0.95	
	0.30		0.44	0.54	0.61	0.66	0.74	0.79	0.83	0.88	0.92	
	0.20		0.39	0.48	0.55	0.61	0.69	0.75	0.79	0.85	0.89	
0.50	0.50	0.20	0.47	0.56	0.62	0.66	0.73	0.77	0.80	0.84	0.86	
	0.30		0.41	0.50	0.56	0.61	0.68	0.73	0.76	0.80	0.83	
	0.20		0.36	0.46	0.52	0.57	0.64	0.69	0.73	0.78	0.81	
0.30	0.50	0.20	0.43	0.51	0.57	0.61	0.66	0.70	0.72	0.76	0.78	
	0.30		0.38	0.46	0.52	0.56	0.62	0.66	0.69	0.73	0.76	
	0.20		0.34	0.42	0.48	0.53	0.59	0.64	0.67	0.71	0.74	
0.00	0.00	0.00	0.30	0.37	0.42	0.46	0.51	0.55	0.58	0.61	0.64	
Rating:20W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.93	0.77	0.66	0.58	0.46	0.38	0.33	0.25	0.21	
	0.30		0.78	0.66	0.58	0.51	0.41	0.35	0.30	0.24	0.20	
	0.20		0.67	0.58	0.51	0.46	0.38	0.32	0.28	0.22	0.19	
0.50	0.50	0.20	0.85	0.70	0.59	0.52	0.41	0.36	0.29	0.22	0.18	
	0.30		0.72	0.61	0.52	0.46	0.38	0.31	0.27	0.21	0.18	
	0.20		0.62	0.53	0.47	0.42	0.35	0.29	0.26	0.20	0.17	
0.30	0.50	0.20	0.77	0.63	0.53	0.46	0.37	0.30	0.26	0.20	0.16	
	0.30		0.66	0.55	0.48	0.42	0.34	0.28	0.24	0.19	0.16	
	0.20		0.57	0.49	0.43	0.38	0.31	0.27	0.23	0.18	0.15	
0.00	0.00	0.00	0.44	0.37	0.32	0.28	0.22	0.19	0.16	0.12	0.10	
<p>Rating:20W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.42	0.43	0.44	0.44	0.45	0.45	0.46	0.46	0.47	
	0.30		0.35	0.37	0.38	0.39	0.40	0.41	0.42	0.43	0.44	
	0.20		0.31	0.32	0.33	0.35	0.36	0.38	0.39	0.41	0.42	
0.50	0.50	0.20	0.40	0.41	0.42	0.42	0.43	0.44	0.44	0.44	0.45	
	0.30		0.34	0.36	0.37	0.38	0.39	0.40	0.41	0.42	0.42	
	0.20		0.30	0.32	0.33	0.34	0.36	0.37	0.38	0.40	0.40	
0.30	0.50	0.20	0.39	0.40	0.40	0.41	0.41	0.42	0.42	0.42	0.43	
	0.30		0.34	0.35	0.36	0.37	0.38	0.39	0.40	0.40	0.41	
	0.20		0.30	0.31	0.33	0.33	0.35	0.36	0.37	0.38	0.39	
0.00	0.00	0.00	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	0.26	
Rating:20W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	716.2	0.7	0.7	0.03	0.03
1.0-2.0	715.9	2.1	2.7	0.08	0.10
2.0-3.0	715.2	3.4	6.2	0.13	0.23
3.0-4.0	714.3	4.8	10.9	0.18	0.41
4.0-5.0	713.1	6.1	17.1	0.23	0.64
5.0-6.0	711.5	7.5	24.6	0.28	0.92
6.0-7.0	709.7	8.8	33.4	0.33	1.25
7.0-8.0	707.6	10.1	43.5	0.38	1.63
8.0-9.0	705.1	11.4	54.9	0.43	2.06
9.0-10.0	702.4	12.7	67.6	0.48	2.54
10.0-11.0	699.4	14.0	81.6	0.52	3.06
11.0-12.0	696.1	15.2	96.8	0.57	3.64
12.0-13.0	692.5	16.4	113.3	0.62	4.25
13.0-14.0	688.6	17.6	130.9	0.66	4.92
14.0-15.0	684.4	18.8	149.7	0.71	5.62
15.0-16.0	680.0	19.9	169.6	0.75	6.37
16.0-17.0	675.4	21.0	190.7	0.79	7.16
17.0-18.0	670.5	22.1	212.8	0.83	7.99
18.0-19.0	665.2	23.1	235.9	0.87	8.86
19.0-20.0	659.8	24.2	260.1	0.91	9.77
20.0-21.0	654.1	25.1	285.2	0.94	10.71
21.0-22.0	648.2	26.1	311.2	0.98	11.69
22.0-23.0	642.0	26.9	338.2	1.01	12.70
23.0-24.0	635.7	27.8	366.0	1.04	13.74
24.0-25.0	629.1	28.6	394.6	1.07	14.82
25.0-26.0	622.3	29.4	424.0	1.10	15.92
26.0-27.0	615.3	30.1	454.1	1.13	17.05
27.0-28.0	608.1	30.8	484.9	1.16	18.21
28.0-29.0	600.6	31.4	516.3	1.18	19.39
29.0-30.0	593.1	32.0	548.3	1.20	20.59
30.0-31.0	585.3	32.6	580.9	1.22	21.81
31.0-32.0	577.3	33.1	614.0	1.24	23.05
32.0-33.0	569.2	33.5	647.5	1.26	24.31
33.0-34.0	561.0	34.0	681.5	1.27	25.59
34.0-35.0	552.5	34.3	715.8	1.29	26.88
35.0-36.0	543.9	34.6	750.4	1.30	28.18

C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5℃
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
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	535.2	34.9	785.3	1.31	29.49
37.0-38.0	526.3	35.1	820.5	1.32	30.81
38.0-39.0	517.4	35.3	855.8	1.33	32.13
39.0-40.0	508.2	35.4	891.2	1.33	33.47
40.0-41.0	498.8	35.5	926.8	1.33	34.80
41.0-42.0	489.4	35.6	962.3	1.34	36.13
42.0-43.0	480.0	35.6	997.9	1.34	37.47
43.0-44.0	470.4	35.5	1033.4	1.33	38.80
44.0-45.0	460.7	35.4	1068.8	1.33	40.13
45.0-46.0	450.9	35.3	1104.1	1.32	41.46
46.0-47.0	440.9	35.1	1139.1	1.32	42.77
47.0-48.0	430.8	34.8	1174.0	1.31	44.08
48.0-49.0	420.7	34.6	1208.5	1.30	45.38
49.0-50.0	410.5	34.2	1242.7	1.29	46.66
50.0-51.0	400.1	33.9	1276.6	1.27	47.94
51.0-52.0	389.8	33.5	1310.0	1.26	49.19
52.0-53.0	379.2	33.0	1343.0	1.24	50.43
53.0-54.0	368.6	32.5	1375.5	1.22	51.65
54.0-55.0	357.9	32.0	1407.5	1.20	52.85
55.0-56.0	347.2	31.4	1438.9	1.18	54.03
56.0-57.0	336.4	30.8	1469.6	1.16	55.18
57.0-58.0	325.4	30.1	1499.7	1.13	56.31
58.0-59.0	314.5	29.4	1529.1	1.10	57.42
59.0-60.0	303.5	28.7	1557.8	1.08	58.49
60.0-61.0	292.4	27.9	1585.7	1.05	59.54
61.0-62.0	281.3	27.1	1612.8	1.02	60.56
62.0-63.0	270.0	26.3	1639.1	0.99	61.55
63.0-64.0	258.6	25.4	1664.5	0.95	62.50
64.0-65.0	247.3	24.5	1688.9	0.92	63.42
65.0-66.0	235.9	23.5	1712.5	0.88	64.30
66.0-67.0	224.4	22.6	1735.1	0.85	65.15
67.0-68.0	213.0	21.6	1756.6	0.81	65.96
68.0-69.0	201.5	20.6	1777.2	0.77	66.73
69.0-70.0	189.9	19.5	1796.7	0.73	67.46
70.0-71.0	178.3	18.4	1815.1	0.69	68.16
71.0-72.0	166.8	17.3	1832.5	0.65	68.81

C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5℃
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
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	155.2	16.2	1848.7	0.61	69.42
73.0-74.0	143.7	15.1	1863.8	0.57	69.99
74.0-75.0	132.3	14.0	1877.8	0.52	70.51
75.0-76.0	120.8	12.8	1890.6	0.48	70.99
76.0-77.0	109.5	11.7	1902.3	0.44	71.43
77.0-78.0	98.4	10.5	1912.8	0.40	71.83
78.0-79.0	87.4	9.4	1922.2	0.35	72.18
79.0-80.0	76.7	8.3	1930.5	0.31	72.49
80.0-81.0	66.3	7.2	1937.7	0.27	72.76
81.0-82.0	56.2	6.1	1943.8	0.23	72.99
82.0-83.0	46.6	5.1	1948.8	0.19	73.18
83.0-84.0	37.5	4.1	1952.9	0.15	73.33
84.0-85.0	29.2	3.2	1956.1	0.12	73.45
85.0-86.0	21.4	2.3	1958.4	0.09	73.54
86.0-87.0	14.7	1.6	1960.0	0.06	73.60
87.0-88.0	9.0	1.0	1961.0	0.04	73.64
88.0-89.0	4.5	0.5	1961.5	0.02	73.65
89.0-90.0	3.9	0.4	1961.9	0.02	73.67
90.0-91.0	7.6	0.8	1962.8	0.03	73.70
91.0-92.0	12.4	1.4	1964.1	0.05	73.75
92.0-93.0	17.3	1.9	1966.0	0.07	73.82
93.0-94.0	22.0	2.4	1968.4	0.09	73.91
94.0-95.0	26.8	2.9	1971.4	0.11	74.02
95.0-96.0	31.8	3.5	1974.8	0.13	74.15
96.0-97.0	36.8	4.0	1978.9	0.15	74.30
97.0-98.0	42.1	4.6	1983.4	0.17	74.48
98.0-99.0	47.5	5.2	1988.6	0.19	74.67
99.0-100.0	52.9	5.7	1994.3	0.21	74.88
100.0-101.0	58.3	6.3	2000.6	0.24	75.12
101.0-102.0	63.6	6.8	2007.4	0.26	75.38
102.0-103.0	69.2	7.4	2014.8	0.28	75.66
103.0-104.0	75.0	8.0	2022.8	0.30	75.96
104.0-105.0	80.8	8.6	2031.4	0.32	76.28
105.0-106.0	86.7	9.2	2040.6	0.34	76.62
106.0-107.0	92.7	9.8	2050.3	0.37	76.99
107.0-108.0	98.6	10.3	2060.6	0.39	77.38

C Plane (°):0.0-360.0: 15.0
 Test Lab: MESTER LAB
 Test Type: TYPE C
 Temperature: 25.5℃
 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 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	104.3	10.8	2071.5	0.41	77.78
109.0-110.0	109.8	11.4	2082.8	0.43	78.21
110.0-111.0	115.1	11.8	2094.7	0.44	78.65
111.0-112.0	120.4	12.3	2106.9	0.46	79.11
112.0-113.0	125.6	12.7	2119.7	0.48	79.59
113.0-114.0	130.3	13.1	2132.8	0.49	80.08
114.0-115.0	134.9	13.5	2146.2	0.51	80.59
115.0-116.0	139.1	13.8	2160.0	0.52	81.11
116.0-117.0	143.0	14.0	2174.0	0.53	81.63
117.0-118.0	146.5	14.3	2188.3	0.54	82.17
118.0-119.0	149.4	14.4	2202.7	0.54	82.71
119.0-120.0	151.7	14.5	2217.2	0.54	83.25
120.0-121.0	153.6	14.5	2231.7	0.55	83.80
121.0-122.0	155.1	14.5	2246.2	0.54	84.34
122.0-123.0	155.9	14.4	2260.6	0.54	84.88
123.0-124.0	156.3	14.3	2274.9	0.54	85.42
124.0-125.0	156.2	14.1	2289.0	0.53	85.95
125.0-126.0	155.9	13.9	2302.9	0.52	86.47
126.0-127.0	155.4	13.7	2316.6	0.51	86.99
127.0-128.0	154.7	13.5	2330.1	0.51	87.49
128.0-129.0	153.9	13.2	2343.3	0.50	87.99
129.0-130.0	153.1	13.0	2356.2	0.49	88.48
130.0-131.0	152.1	12.7	2368.9	0.48	88.95
131.0-132.0	151.1	12.4	2381.3	0.47	89.42
132.0-133.0	150.1	12.1	2393.5	0.46	89.87
133.0-134.0	149.0	11.9	2405.3	0.45	90.32
134.0-135.0	147.9	11.6	2416.9	0.43	90.75
135.0-136.0	146.9	11.3	2428.2	0.42	91.18
136.0-137.0	145.8	11.0	2439.2	0.41	91.59
137.0-138.0	144.7	10.7	2449.9	0.40	91.99
138.0-139.0	143.7	10.4	2460.3	0.39	92.38
139.0-140.0	142.7	10.2	2470.5	0.38	92.77
140.0-141.0	141.7	9.9	2480.4	0.37	93.14
141.0-142.0	140.7	9.6	2490.0	0.36	93.50
142.0-143.0	139.7	9.3	2499.3	0.35	93.85
143.0-144.0	138.8	9.1	2508.4	0.34	94.19

C Plane (°):0.0-360.0: 15.0
 Test Lab: MESTER LAB
 Test Type: TYPE C
 Temperature: 25.5℃
 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 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	137.8	8.8	2517.1	0.33	94.52
145.0-146.0	136.9	8.5	2525.7	0.32	94.84
146.0-147.0	136.1	8.2	2533.9	0.31	95.15
147.0-148.0	135.2	8.0	2541.9	0.30	95.45
148.0-149.0	134.3	7.7	2549.6	0.29	95.73
149.0-150.0	133.5	7.4	2557.0	0.28	96.01
150.0-151.0	132.7	7.2	2564.1	0.27	96.28
151.0-152.0	131.8	6.9	2571.0	0.26	96.54
152.0-153.0	131.0	6.6	2577.7	0.25	96.79
153.0-154.0	130.2	6.4	2584.1	0.24	97.03
154.0-155.0	129.5	6.1	2590.2	0.23	97.26
155.0-156.0	128.7	5.9	2596.0	0.22	97.48
156.0-157.0	127.9	5.6	2601.6	0.21	97.69
157.0-158.0	127.2	5.3	2607.0	0.20	97.89
158.0-159.0	126.5	5.1	2612.0	0.19	98.08
159.0-160.0	125.8	4.8	2616.9	0.18	98.26
160.0-161.0	125.1	4.6	2621.4	0.17	98.43
161.0-162.0	124.4	4.3	2625.8	0.16	98.60
162.0-163.0	123.8	4.1	2629.9	0.15	98.75
163.0-164.0	123.3	3.8	2633.7	0.14	98.89
164.0-165.0	122.7	3.6	2637.3	0.14	99.03
165.0-166.0	122.2	3.4	2640.6	0.13	99.15
166.0-167.0	121.8	3.1	2643.8	0.12	99.27
167.0-168.0	121.4	2.9	2646.6	0.11	99.38
168.0-169.0	121.0	2.6	2649.3	0.10	99.48
169.0-170.0	120.7	2.4	2651.7	0.09	99.57
170.0-171.0	120.5	2.2	2653.9	0.08	99.65
171.0-172.0	120.2	1.9	2655.8	0.07	99.73
172.0-173.0	120.0	1.7	2657.6	0.06	99.79
173.0-174.0	119.8	1.5	2659.0	0.06	99.85
174.0-175.0	119.7	1.3	2660.3	0.05	99.89
175.0-176.0	119.6	1.0	2661.3	0.04	99.93
176.0-177.0	119.5	0.8	2662.1	0.03	99.96
177.0-178.0	119.5	0.6	2662.7	0.02	99.98
178.0-179.0	119.4	0.3	2663.0	0.01	100.00
179.0-180.0	119.4	0.1	2663.2	0.00	100.00

C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5℃
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

Zonal Lumen (Continue 5)

cone flux(90°): 1068.80 lm

%lum = 40.1%

%lamp = 40.1%

cone flux(120°): 1557.81 lm

%lum = 58.5%

%lamp = 58.5%

Candlepower Table

Unit: cd

G\C	C0.0	C15.0	C30.0	C45.0	C60.0	C75.0	C90.0	C105.0	C120.0	C135.0
G0.0	716.9	717.0	716.2	716.7	716.3	716.2	715.8	716.3	715.9	716.0
G1.0	716.6	716.5	715.9	716.2	715.9	715.8	715.8	716.2	716.1	716.1
G2.0	715.7	715.8	715.1	715.1	715.0	714.8	715.2	715.5	715.6	715.7
G3.0	714.7	714.5	714.2	714.2	714.2	713.7	714.4	714.9	715.1	715.1
G4.0	713.3	712.6	712.9	712.6	713.1	712.4	713.1	713.9	714.2	714.0
G5.0	711.4	711.1	710.9	710.9	711.4	710.9	712.0	712.3	713.0	712.5
G6.0	709.2	709.1	709.0	708.4	709.4	709.0	710.3	710.4	711.4	710.8
G7.0	707.1	706.3	706.8	706.1	707.3	707.0	708.4	708.4	709.5	709.2
G8.0	704.7	703.7	704.2	703.7	704.7	704.1	706.1	706.2	707.6	707.1
G9.0	701.9	700.5	701.2	700.6	702.2	701.5	703.6	703.8	705.1	704.3
G10.0	698.6	697.2	698.1	697.6	699.1	698.6	700.7	701.1	702.4	701.7
G11.0	695.0	693.5	694.6	694.0	695.7	695.3	697.7	697.7	699.3	698.7
G12.0	691.6	689.7	691.0	690.0	691.9	691.7	694.0	694.1	696.1	695.3
G13.0	687.6	685.4	687.1	686.1	688.1	687.6	690.5	690.5	692.7	691.9
G14.0	682.9	680.9	682.5	681.8	683.9	683.4	686.7	686.6	688.8	688.2
G15.0	678.4	676.4	678.0	676.9	679.4	679.1	682.6	682.1	684.4	683.5
G16.0	673.7	671.5	673.2	672.1	675.0	674.6	677.7	677.6	680.1	679.0
G17.0	668.8	666.8	668.3	667.4	670.1	669.3	673.5	672.9	675.5	674.4
G18.0	663.4	660.7	663.0	662.1	664.5	664.2	668.1	668.1	670.8	669.6
G19.0	657.7	655.2	657.2	655.9	659.3	658.9	663.3	662.8	665.2	663.9
G20.0	651.9	649.5	651.4	650.2	653.7	653.4	657.6	657.0	660.0	658.4
G21.0	646.2	643.3	645.6	644.3	647.5	647.5	651.6	651.2	654.6	652.8
G22.0	639.0	636.3	639.0	638.1	641.7	640.9	645.9	645.3	648.4	647.0
G23.0	632.8	629.9	632.7	631.7	635.4	634.5	639.7	639.2	642.2	640.9
G24.0	626.4	623.2	626.0	625.1	629.0	628.1	633.6	632.9	636.0	634.4
G25.0	619.7	616.5	618.7	617.6	621.7	621.6	626.4	625.7	629.6	627.5
G26.0	612.6	609.5	612.4	610.8	614.9	614.9	619.7	619.0	623.1	620.8
G27.0	604.7	602.2	604.6	603.8	607.7	607.3	612.9	612.1	615.4	613.8
G28.0	597.5	594.1	597.3	596.3	600.6	600.1	606.0	605.1	608.6	605.9
G29.0	589.7	586.4	589.6	588.0	593.0	592.7	598.6	596.8	601.2	598.6
G30.0	582.0	578.5	581.8	580.2	584.8	585.1	590.7	589.4	594.1	591.1
G31.0	573.3	570.7	573.5	572.6	577.3	576.6	583.0	581.7	585.7	583.5
G32.0	565.3	561.6	565.4	564.2	569.5	568.7	574.7	574.0	578.0	575.6
G33.0	557.3	553.4	557.5	556.1	560.8	560.5	566.7	566.0	569.9	567.0
G34.0	548.9	545.0	548.2	547.7	552.6	552.2	558.5	557.9	561.8	558.6
G35.0	539.6	536.4	539.9	538.2	544.3	543.8	550.3	548.6	552.8	550.2
G36.0	531.0	527.8	531.1	529.8	535.7	534.5	541.8	540.2	544.6	541.9

C Plane (°):0.0-360.0: 15.0
 Test Lab: MESTER LAB
 Test Type: TYPE C
 Temperature: 25.5℃
 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C15.0	C30.0	C45.0	C60.0	C75.0	C90.0	C105.0	C120.0	C135.0
G37.0	522.4	518.7	522.5	520.9	526.5	526.0	532.6	531.6	536.0	533.4
G38.0	513.2	509.0	513.8	512.1	517.6	517.2	523.8	522.9	527.3	523.9
G39.0	503.7	499.9	503.9	502.4	508.9	508.4	514.9	513.0	517.8	515.0
G40.0	494.3	490.6	494.8	493.3	499.8	499.4	505.9	504.0	508.7	505.9
G41.0	485.3	480.5	485.6	484.3	489.7	489.5	496.1	494.9	499.8	496.6
G42.0	475.7	471.0	476.1	475.0	480.4	480.1	486.7	485.8	490.6	487.5
G43.0	466.3	461.7	466.8	465.3	471.3	470.7	477.5	476.2	481.3	477.0
G44.0	456.2	452.1	456.8	454.9	462.2	461.4	468.2	466.0	471.3	467.7
G45.0	446.4	442.3	447.0	445.3	452.6	450.5	457.9	456.2	461.3	458.0
G46.0	436.9	432.4	437.6	435.4	442.1	440.9	448.4	446.7	451.9	448.3
G47.0	426.2	421.5	426.6	425.5	432.2	430.9	438.6	436.7	441.4	438.7
G48.0	416.2	411.6	416.9	414.7	422.6	421.1	428.8	426.0	431.6	427.8
G49.0	406.2	401.7	407.0	404.7	411.9	411.2	417.9	416.0	421.7	417.7
G50.0	395.8	391.3	396.7	394.6	401.5	400.1	407.7	406.0	411.3	407.6
G51.0	385.0	380.4	385.7	384.6	391.4	390.1	397.8	395.9	400.4	396.6
G52.0	374.5	370.4	375.1	374.2	381.1	379.8	387.3	385.5	389.8	386.4
G53.0	364.4	360.1	364.9	363.0	370.6	369.4	377.0	374.2	379.9	376.1
G54.0	353.8	349.6	354.7	352.5	359.4	358.1	365.6	363.8	369.7	365.6
G55.0	342.4	337.9	343.6	341.8	348.8	347.7	355.4	353.4	358.3	354.2
G56.0	331.9	327.3	333.1	331.4	338.3	337.2	344.9	343.0	347.9	343.6
G57.0	321.0	316.7	322.4	319.8	326.6	326.4	333.1	331.5	337.2	333.3
G58.0	309.4	305.7	311.0	309.1	316.1	314.4	322.7	320.3	326.9	322.2
G59.0	298.8	294.8	300.1	298.2	305.4	304.6	311.9	309.6	315.1	311.3
G60.0	288.0	283.0	289.4	287.5	294.8	292.7	301.0	298.8	304.3	300.6
G61.0	277.0	271.9	278.3	276.5	282.8	281.8	289.0	287.7	293.5	288.6
G62.0	266.2	261.1	267.3	264.6	272.0	270.9	278.1	275.7	282.5	277.5
G63.0	254.1	250.1	255.2	253.6	261.0	258.7	267.2	264.6	270.4	266.5
G64.0	242.8	238.0	244.0	242.4	249.8	247.4	255.9	253.6	259.2	255.4
G65.0	231.8	227.0	233.1	231.2	238.8	236.3	244.7	242.3	248.1	243.2
G66.0	220.7	215.7	222.1	219.1	226.5	225.1	232.4	229.8	236.9	231.9
G67.0	208.5	204.4	209.8	207.6	215.6	213.8	221.1	218.5	224.8	220.5
G68.0	197.6	193.3	198.6	196.4	204.2	201.5	209.8	207.5	213.5	209.4
G69.0	186.4	181.8	187.4	185.3	191.8	190.0	197.5	196.0	202.1	198.0
G70.0	173.9	169.6	175.0	174.1	180.7	178.7	186.2	184.6	189.7	185.5
G71.0	162.8	158.4	163.9	161.5	169.3	167.6	174.8	172.3	178.6	174.4
G72.0	151.7	146.3	153.0	150.5	157.2	155.4	162.7	161.3	167.6	163.3
G73.0	140.3	135.8	141.5	139.0	145.7	143.8	151.1	149.7	156.0	151.6

C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5℃
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C15.0	C30.0	C45.0	C60.0	C75.0	C90.0	C105.0	C120.0	C135.0
G74.0	128.8	124.6	129.9	127.6	134.3	132.3	139.6	138.1	144.1	140.1
G75.0	116.9	113.0	118.4	116.8	123.5	121.6	128.6	127.2	132.2	129.3
G76.0	105.6	102.6	106.8	105.3	111.9	109.9	117.1	115.5	120.6	117.6
G77.0	94.7	90.9	96.0	94.5	100.9	98.8	105.9	104.5	109.3	106.4
G78.0	84.0	80.8	85.1	83.3	89.8	88.5	94.5	93.1	98.3	95.1
G79.0	73.6	70.5	74.8	72.9	78.5	77.9	83.1	82.4	87.4	84.3
G80.0	63.2	60.3	64.4	63.0	67.9	67.0	72.3	72.1	76.8	73.3
G81.0	53.2	50.8	54.2	52.8	58.1	57.1	62.2	61.5	65.9	63.6
G82.0	44.0	41.7	44.7	43.6	47.9	47.4	51.7	51.3	55.9	53.9
G83.0	34.8	33.1	35.5	34.7	38.9	38.1	42.2	41.8	45.6	44.4
G84.0	26.6	25.2	27.3	26.7	30.1	29.1	33.1	33.1	36.4	35.5
G85.0	19.2	18.0	19.8	19.3	22.3	21.5	24.9	25.0	27.9	27.5
G86.0	12.7	11.8	12.8	12.5	15.1	14.5	17.1	17.4	20.3	19.8
G87.0	7.0	6.7	7.4	7.1	9.2	8.9	10.5	11.3	13.3	13.1
G88.0	2.5	2.6	3.0	3.1	4.7	4.6	5.5	6.2	7.9	7.8
G89.0	0.0	0.0	0.0	0.0	1.3	1.3	1.4	2.6	3.5	3.5
G90.0	1.1	1.3	1.8	2.2	1.9	0.8	0.4	2.8	9.2	13.1
G91.0	4.2	4.4	7.3	9.2	8.7	3.9	0.7	6.3	16.8	20.0
G92.0	7.9	8.5	13.3	17.2	16.1	7.5	1.1	9.8	20.6	27.6
G93.0	11.7	12.6	19.2	24.9	23.0	9.3	1.7	11.5	29.3	34.0
G94.0	15.8	17.1	25.4	32.7	29.5	10.5	2.6	12.2	35.1	38.2
G95.0	20.1	22.0	32.4	40.8	35.1	11.7	3.8	13.7	40.0	47.7
G96.0	25.3	27.3	39.8	48.6	39.2	13.0	4.9	15.4	44.3	54.1
G97.0	30.7	33.2	48.0	56.2	42.9	14.3	6.1	17.2	48.9	60.4
G98.0	37.3	40.1	56.3	63.3	46.8	15.7	7.5	18.5	53.6	68.0
G99.0	44.3	47.5	65.3	69.4	50.6	17.1	8.7	20.0	57.7	74.7
G100.0	52.2	55.3	73.5	75.1	54.5	18.4	10.1	21.8	63.3	83.0
G101.0	60.3	63.8	81.3	81.1	58.2	19.8	11.4	24.0	68.9	90.9
G102.0	69.0	72.1	89.8	87.1	61.9	21.2	12.8	25.9	73.2	97.9
G103.0	76.5	80.5	98.2	93.6	65.5	22.6	14.3	27.6	77.6	103.5
G104.0	85.0	89.0	106.4	100.0	68.8	24.1	15.7	29.2	82.2	112.1
G105.0	94.6	98.6	114.9	106.8	72.0	25.4	17.1	30.7	86.2	116.2
G106.0	105.2	108.0	122.8	113.4	74.7	26.9	18.5	32.3	89.3	124.5
G107.0	115.6	118.0	130.7	120.3	77.5	28.3	20.0	34.3	92.6	132.5
G108.0	126.3	128.1	138.7	127.5	79.6	29.7	21.6	35.9	95.9	137.3
G109.0	136.3	137.7	146.8	134.2	81.7	31.2	23.2	37.7	99.0	146.4
G110.0	147.2	147.7	154.3	140.6	83.3	32.6	24.7	39.1	102.1	152.8

C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5℃
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C15.0	C30.0	C45.0	C60.0	C75.0	C90.0	C105.0	C120.0	C135.0
G111.0	156.8	156.9	161.8	147.5	84.7	34.0	26.3	40.5	105.0	158.0
G112.0	166.3	165.6	170.2	153.1	85.8	35.6	27.9	41.7	107.3	166.9
G113.0	176.2	174.2	177.6	158.1	86.8	37.1	29.5	43.0	108.7	171.0
G114.0	185.1	182.6	184.9	162.2	87.5	38.5	31.3	44.3	109.2	175.8
G115.0	193.7	191.7	192.4	165.7	88.1	40.0	32.9	45.6	109.4	180.9
G116.0	202.3	199.7	198.7	168.1	88.5	41.5	34.6	46.8	109.3	185.1
G117.0	210.5	207.4	204.2	169.6	88.8	43.2	36.3	48.2	109.0	189.7
G118.0	218.7	214.5	208.7	170.3	89.2	44.7	38.1	49.5	108.6	191.5
G119.0	225.4	220.7	212.3	170.3	89.5	46.3	39.8	50.8	108.0	192.0
G120.0	231.1	226.7	214.7	169.6	89.8	47.9	41.6	52.1	107.5	191.6
G121.0	236.4	231.1	216.3	168.5	90.1	49.6	43.3	53.6	107.0	190.4
G122.0	240.0	234.3	216.6	167.0	90.5	51.3	45.1	54.9	106.5	188.8
G123.0	242.6	236.5	216.2	165.2	90.8	52.9	47.0	56.5	106.0	186.7
G124.0	244.0	237.6	215.0	163.1	91.3	54.6	48.8	58.0	105.7	184.4
G125.0	244.4	237.7	213.3	161.3	91.8	56.2	50.6	59.4	105.5	182.0
G126.0	243.9	237.0	211.3	159.3	92.4	58.0	52.4	61.0	105.3	179.4
G127.0	242.9	235.7	208.7	157.5	93.0	59.9	54.4	62.7	105.2	176.6
G128.0	241.0	233.9	206.1	155.6	93.6	61.6	56.1	64.3	105.2	174.0
G129.0	239.2	231.5	203.3	153.7	94.3	63.4	58.0	65.9	105.2	171.5
G130.0	236.7	229.2	200.5	152.0	95.1	65.3	59.9	67.5	105.4	168.8
G131.0	234.0	226.5	197.7	150.4	95.8	67.0	61.7	69.2	105.6	166.5
G132.0	231.3	223.7	194.9	148.9	96.5	68.7	63.5	70.9	105.8	164.2
G133.0	228.4	220.5	192.0	147.4	97.2	70.5	65.2	72.5	106.1	162.1
G134.0	225.2	217.5	189.3	146.0	98.0	72.3	66.9	74.1	106.3	159.9
G135.0	222.1	214.4	186.6	144.7	98.8	74.0	68.9	75.7	106.7	158.0
G136.0	218.9	211.2	183.8	143.6	99.5	75.7	70.6	77.5	107.1	156.1
G137.0	215.4	207.8	181.2	142.3	100.3	77.4	72.3	79.0	107.4	154.4
G138.0	212.1	204.9	178.7	141.3	101.2	79.1	74.2	80.5	107.9	152.7
G139.0	208.9	201.6	176.3	140.2	102.0	80.8	75.9	82.1	108.3	151.1
G140.0	205.5	198.5	173.7	139.2	102.8	82.6	77.7	83.7	108.7	149.5
G141.0	201.9	195.4	171.4	138.2	103.6	84.2	79.4	85.1	109.0	148.0
G142.0	198.7	192.3	169.1	137.3	104.4	85.9	81.2	86.6	109.4	146.6
G143.0	195.4	189.0	166.9	136.4	105.3	87.4	83.1	88.1	109.8	145.2
G144.0	192.1	186.1	164.5	135.5	106.0	89.1	84.7	89.6	110.2	143.7
G145.0	189.0	183.1	162.3	134.6	106.7	90.6	86.3	91.1	110.6	142.4
G146.0	185.5	180.2	160.2	133.8	107.4	92.0	87.9	92.6	111.0	141.1
G147.0	182.3	177.2	158.2	133.0	108.1	93.4	89.7	94.0	111.5	139.9

C Plane (°):0.0-360.0: 15.0
 Test Lab: MESTER LAB
 Test Type: TYPE C
 Temperature: 25.5℃
 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C15.0	C30.0	C45.0	C60.0	C75.0	C90.0	C105.0	C120.0	C135.0
G148.0	179.2	174.0	156.1	132.2	108.7	94.7	91.2	95.4	111.9	138.7
G149.0	175.8	171.1	153.9	131.5	109.3	96.1	92.7	96.8	112.3	137.5
G150.0	172.8	168.3	151.9	130.7	110.0	97.5	94.4	98.3	112.7	136.3
G151.0	169.8	165.6	149.9	130.0	110.6	98.8	95.8	99.5	113.0	135.2
G152.0	166.6	162.8	147.8	129.1	111.2	100.1	97.3	100.8	113.3	134.1
G153.0	163.6	159.8	146.0	128.4	111.8	101.4	98.7	102.1	113.7	133.0
G154.0	160.6	157.2	144.1	127.8	112.5	102.8	100.1	103.2	114.0	131.9
G155.0	157.8	154.7	142.2	127.2	113.0	104.1	101.5	104.4	114.3	130.8
G156.0	155.1	151.9	140.5	126.6	113.7	105.3	103.0	105.4	114.6	129.8
G157.0	152.2	149.5	138.7	126.2	114.2	106.4	104.3	106.4	114.9	128.7
G158.0	149.5	147.1	137.1	125.7	114.7	107.5	105.5	107.5	115.1	127.7
G159.0	146.9	144.7	135.6	125.2	115.3	108.6	106.6	108.5	115.3	126.7
G160.0	144.4	142.4	134.1	124.8	115.8	109.6	107.8	109.5	115.6	125.8
G161.0	142.1	140.3	132.8	124.4	116.3	110.5	108.8	110.4	115.8	125.0
G162.0	139.6	138.1	131.6	124.0	116.7	111.5	109.9	111.2	116.1	124.2
G163.0	137.5	136.3	130.4	123.6	117.2	112.4	111.0	112.0	116.4	123.5
G164.0	135.5	134.5	129.1	123.3	117.5	113.2	112.0	112.8	116.7	122.8
G165.0	133.4	132.8	128.1	123.0	117.9	114.0	112.8	113.5	117.0	122.2
G166.0	131.6	131.0	127.0	122.6	118.2	114.7	113.7	114.2	117.3	121.7
G167.0	130.0	129.5	126.1	122.3	118.5	115.3	114.5	114.9	117.5	121.3
G168.0	128.4	128.1	125.2	122.0	118.6	116.0	115.2	115.6	117.9	120.9
G169.0	127.0	126.9	124.3	121.7	118.8	116.5	115.9	116.1	118.2	120.7
G170.0	125.7	125.7	123.6	121.3	118.9	117.1	116.5	116.7	118.4	120.5
G171.0	124.4	124.5	122.8	121.0	119.0	117.5	117.1	117.2	118.5	120.3
G172.0	123.4	123.5	122.1	120.7	119.2	117.9	117.6	117.6	118.7	120.0
G173.0	122.5	122.6	121.4	120.4	119.3	118.3	118.1	118.0	118.8	119.8
G174.0	121.7	121.7	120.9	120.2	119.3	118.6	118.5	118.4	119.0	119.7
G175.0	121.0	121.0	120.5	120.0	119.4	118.9	118.8	118.7	119.1	119.6
G176.0	120.4	120.5	120.2	119.8	119.5	119.1	119.0	119.0	119.2	119.5
G177.0	120.1	120.1	119.9	119.7	119.5	119.3	119.2	119.1	119.3	119.4
G178.0	119.8	119.9	119.7	119.6	119.5	119.4	119.3	119.3	119.4	119.4
G179.0	119.5	119.5	119.5	119.5	119.4	119.4	119.4	119.4	119.4	119.4
G180.0	119.4	119.4	119.4	119.4	119.4	119.4	119.3	119.4	119.4	119.4

C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5℃
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C150.0	C165.0	C180.0	C195.0	C210.0	C225.0	C240.0	C255.0	C270.0	C285.0
G0.0	715.5	716.0	716.9	717.0	716.2	716.7	716.3	716.2	715.8	716.3
G1.0	715.9	715.9	717.1	717.1	716.6	717.1	716.2	716.3	715.7	716.3
G2.0	715.6	715.7	716.8	717.3	716.4	716.8	715.9	716.0	715.3	715.9
G3.0	715.4	715.1	716.2	716.9	716.0	716.4	715.2	715.4	714.7	715.1
G4.0	714.4	714.4	715.5	716.3	715.3	715.6	714.5	714.6	713.7	714.2
G5.0	713.4	713.0	714.3	715.3	713.9	714.7	713.3	713.4	712.4	712.6
G6.0	712.1	711.5	712.8	713.8	712.7	713.5	711.9	712.1	711.1	711.1
G7.0	710.4	709.6	711.1	712.3	711.0	711.8	710.1	710.5	708.9	709.2
G8.0	708.3	707.6	709.0	710.4	708.8	709.9	708.0	708.6	706.7	706.9
G9.0	706.0	705.0	706.7	708.3	706.6	707.6	705.7	706.3	704.2	704.5
G10.0	703.4	702.2	703.7	705.8	703.9	705.3	703.3	703.8	701.7	701.8
G11.0	700.4	699.2	700.7	702.7	700.9	702.6	700.2	700.9	698.6	698.7
G12.0	697.1	695.9	697.7	699.8	697.7	699.1	696.7	697.6	694.9	694.8
G13.0	693.6	692.5	694.1	696.3	694.3	695.8	693.2	694.1	691.3	691.5
G14.0	690.0	688.1	690.5	692.5	690.6	692.2	689.6	690.5	687.4	687.9
G15.0	686.0	684.1	685.9	688.4	686.1	688.4	685.6	686.3	683.4	683.6
G16.0	681.3	679.8	681.7	684.1	682.0	684.2	681.5	682.0	679.0	679.2
G17.0	676.8	675.1	676.9	679.4	677.4	679.7	676.5	677.5	674.0	674.5
G18.0	671.9	670.1	672.0	674.9	672.7	674.7	671.7	672.9	669.2	669.3
G19.0	666.4	664.7	666.6	670.0	667.1	669.6	666.7	668.0	664.0	664.1
G20.0	661.0	659.4	661.1	663.9	661.6	664.5	661.4	662.9	658.7	658.7
G21.0	655.6	653.5	655.1	658.5	656.2	659.1	655.4	657.0	652.6	653.3
G22.0	649.8	647.8	649.4	652.7	650.4	653.1	649.6	651.3	646.9	647.0
G23.0	643.7	641.6	643.4	646.8	644.3	647.0	643.6	645.3	640.9	641.0
G24.0	636.8	634.8	636.5	640.0	638.1	640.9	637.4	638.6	634.8	634.9
G25.0	630.6	628.3	630.0	633.7	631.0	634.5	631.1	632.6	628.3	628.2
G26.0	623.9	621.5	623.1	627.0	624.3	627.7	624.1	625.9	621.5	621.0
G27.0	617.0	614.6	616.3	620.2	617.6	620.8	616.8	619.0	613.9	614.2
G28.0	609.2	606.6	609.1	612.7	610.4	613.6	609.8	612.3	606.8	607.0
G29.0	601.9	599.3	601.2	605.2	602.6	606.5	602.9	605.0	599.7	599.8
G30.0	594.7	591.9	593.7	598.1	595.0	599.2	595.3	597.0	592.2	592.5
G31.0	587.2	583.9	586.1	590.2	587.7	590.8	587.2	589.4	584.1	584.0
G32.0	578.6	575.6	578.1	582.3	579.7	583.1	579.4	581.7	576.1	576.2
G33.0	570.8	567.4	570.2	573.7	571.9	575.4	571.3	573.9	568.2	568.2
G34.0	562.6	559.0	561.2	565.6	563.0	567.3	562.4	565.0	560.4	560.2
G35.0	554.3	550.7	552.7	557.3	554.5	558.3	553.9	557.1	552.0	551.2
G36.0	545.0	542.1	544.5	549.0	546.1	549.9	546.0	548.7	542.8	542.8

C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5℃
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

Candlepower Table (Continue 6)

Unit: cd

G\C	C150.0	C165.0	C180.0	C195.0	C210.0	C225.0	C240.0	C255.0	C270.0	C285.0
G37.0	536.8	533.6	534.8	539.7	536.4	541.3	537.5	540.4	534.3	534.4
G38.0	527.8	524.1	526.0	531.0	527.9	532.8	528.6	530.8	525.7	525.7
G39.0	519.2	515.2	517.3	522.1	519.1	524.0	519.1	521.9	516.9	516.9
G40.0	509.9	505.9	508.0	513.1	509.9	514.2	509.9	513.0	506.9	507.0
G41.0	500.1	496.7	498.1	503.1	500.1	505.2	501.0	503.8	497.9	497.9
G42.0	490.8	486.5	489.0	494.1	491.0	496.0	491.9	493.9	488.8	488.9
G43.0	481.4	477.1	479.6	484.8	481.8	486.8	481.8	484.4	478.6	479.5
G44.0	471.3	467.7	470.1	475.4	472.2	476.6	472.1	475.2	469.1	469.2
G45.0	461.7	458.0	460.5	465.9	462.7	467.2	462.5	465.8	459.4	459.8
G46.0	452.2	448.3	449.9	455.5	452.0	457.4	453.1	455.4	449.8	450.2
G47.0	442.3	438.2	439.9	445.8	442.0	447.0	443.2	445.6	439.9	439.6
G48.0	431.6	427.6	430.3	436.1	432.5	437.1	432.4	435.8	429.3	429.7
G49.0	421.6	417.5	420.3	425.0	422.4	427.5	422.5	426.0	419.2	419.9
G50.0	411.4	407.3	409.2	415.0	411.4	417.3	412.5	415.1	409.2	409.7
G51.0	401.5	396.2	399.1	405.1	401.3	407.2	402.5	404.8	399.3	398.8
G52.0	391.0	386.0	388.5	394.8	391.0	396.1	392.0	394.6	388.6	388.6
G53.0	379.8	375.7	377.7	384.2	380.1	385.8	381.0	384.2	377.7	378.1
G54.0	369.3	365.2	367.2	373.1	369.4	375.4	370.4	372.7	367.0	367.6
G55.0	358.9	353.5	356.8	362.6	359.0	364.8	360.1	362.3	356.6	357.2
G56.0	347.5	343.0	346.2	352.0	348.4	353.3	348.4	352.0	345.0	345.6
G57.0	336.8	332.6	335.5	341.4	337.8	342.9	337.8	341.3	334.5	335.2
G58.0	326.5	321.5	323.8	329.8	327.1	332.2	327.1	329.6	323.8	324.5
G59.0	315.7	310.7	313.1	319.3	315.1	320.4	316.2	319.0	313.0	312.7
G60.0	303.8	298.7	302.5	308.2	304.5	309.7	304.4	308.2	301.1	301.8
G61.0	292.9	287.6	291.6	297.4	293.7	299.0	293.4	297.3	290.1	290.9
G62.0	281.9	276.7	280.7	285.5	282.7	287.9	282.3	285.2	279.0	280.1
G63.0	271.0	265.8	268.8	274.7	270.4	275.9	271.3	274.3	267.9	267.8
G64.0	258.7	253.6	257.8	263.5	259.6	264.7	260.1	263.2	256.6	256.8
G65.0	247.4	242.2	246.8	252.5	248.6	253.5	248.2	252.1	244.6	245.9
G66.0	236.4	231.0	234.6	240.3	236.4	242.3	236.9	239.8	233.3	234.6
G67.0	224.4	219.9	223.4	229.2	225.0	231.2	225.7	228.4	222.0	222.2
G68.0	212.9	208.6	212.3	218.0	213.8	218.8	213.2	216.9	209.6	210.7
G69.0	201.7	197.2	200.8	206.8	202.4	207.5	201.7	205.7	197.9	199.3
G70.0	190.6	184.7	188.8	194.5	190.1	196.6	190.5	193.2	186.6	188.0
G71.0	178.2	173.5	177.6	183.4	178.9	184.2	179.1	182.0	175.0	175.5
G72.0	167.1	162.4	166.9	171.4	168.2	173.1	167.0	169.7	162.7	164.2
G73.0	155.4	150.7	155.2	159.7	156.5	161.5	155.1	157.6	150.9	152.5

C Plane (°):0.0-360.0: 15.0
 Test Lab: MESTER LAB
 Test Type: TYPE C
 Temperature: 25.5℃
 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

Candlepower Table (Continue 7)

Unit: cd

G\C	C150.0	C165.0	C180.0	C195.0	C210.0	C225.0	C240.0	C255.0	C270.0	C285.0
G74.0	143.8	139.2	143.9	148.2	144.9	150.2	143.3	146.0	140.1	140.9
G75.0	132.0	128.3	132.9	137.2	134.0	138.1	132.3	134.6	127.8	128.6
G76.0	120.6	116.6	121.3	125.7	122.3	126.3	120.5	122.8	116.0	116.8
G77.0	109.3	105.7	109.7	114.6	110.8	115.1	109.5	111.5	105.0	105.7
G78.0	98.2	94.5	99.3	103.1	100.1	103.6	97.9	99.8	93.4	94.0
G79.0	87.4	83.6	87.9	91.6	89.4	92.5	87.2	88.8	82.6	83.2
G80.0	76.7	72.9	78.0	81.6	78.5	81.5	76.0	77.7	71.8	72.2
G81.0	66.1	62.9	67.4	70.9	67.6	70.6	65.8	66.9	61.7	61.7
G82.0	56.3	53.2	57.8	60.4	57.9	60.4	55.3	56.1	51.2	51.2
G83.0	46.5	43.7	48.3	51.0	48.3	50.3	45.7	46.6	41.6	42.0
G84.0	37.9	35.3	39.5	41.7	39.6	40.8	36.8	37.2	33.1	33.0
G85.0	29.1	27.4	31.1	32.8	30.9	32.2	28.3	28.3	24.6	24.8
G86.0	21.3	19.8	23.4	24.9	23.0	23.9	20.7	20.6	17.4	17.1
G87.0	14.5	13.2	16.5	17.9	16.2	17.0	14.1	13.7	11.2	11.1
G88.0	8.4	7.9	10.5	11.6	10.5	11.0	8.4	8.0	6.0	6.0
G89.0	4.3	3.5	5.8	6.2	5.6	5.6	4.1	3.5	2.1	2.2
G90.0	9.4	6.6	7.6	8.6	11.6	16.0	10.9	3.3	0.4	1.7
G91.0	14.5	10.1	10.8	12.6	16.6	23.9	17.5	7.2	0.9	5.8
G92.0	20.2	14.3	14.5	17.1	22.3	32.1	24.4	9.4	1.5	9.5
G93.0	26.2	18.7	18.7	22.0	28.6	40.2	30.6	10.7	2.2	11.5
G94.0	32.5	23.5	23.3	27.2	35.4	48.0	35.8	12.0	3.0	12.9
G95.0	39.5	29.1	28.6	33.6	42.7	56.1	39.6	13.3	3.8	14.3
G96.0	44.5	35.2	34.7	40.3	50.8	63.4	43.3	14.8	4.8	15.8
G97.0	52.4	42.4	41.3	48.0	59.1	69.5	47.0	16.1	5.8	17.3
G98.0	62.1	49.9	48.6	56.4	68.1	75.3	50.9	17.5	6.9	18.7
G99.0	71.6	58.0	56.4	64.5	75.7	80.8	54.9	19.0	8.2	20.2
G100.0	79.4	65.1	64.6	72.3	83.1	86.6	58.7	20.4	9.3	21.7
G101.0	84.7	70.7	71.5	80.5	91.4	92.5	62.6	21.8	10.6	23.1
G102.0	92.1	76.9	80.1	89.3	99.6	98.3	66.2	23.3	11.9	24.6
G103.0	101.4	85.0	88.5	99.0	108.1	104.6	69.9	24.7	13.2	26.0
G104.0	112.3	96.2	98.6	108.8	116.1	110.8	73.3	26.1	14.5	27.4
G105.0	120.0	105.8	108.8	118.9	124.2	117.5	76.5	27.6	15.9	28.8
G106.0	131.3	115.6	118.8	129.5	132.5	124.6	79.4	28.9	17.3	30.2
G107.0	140.3	126.3	129.1	139.2	140.1	131.4	82.1	30.3	18.7	31.6
G108.0	149.5	135.4	139.5	148.8	147.3	138.2	84.5	31.6	20.2	33.0
G109.0	157.3	144.8	148.9	157.5	155.3	144.5	86.4	33.0	21.6	34.4
G110.0	163.8	149.8	158.3	167.1	162.9	151.3	88.3	34.3	23.2	35.7

C Plane (°):0.0-360.0: 15.0
 Test Lab: MESTER LAB
 Test Type: TYPE C
 Temperature: 25.5℃
 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

Candlepower Table (Continue 8)

Unit: cd

G\C	C150.0	C165.0	C180.0	C195.0	C210.0	C225.0	C240.0	C255.0	C270.0	C285.0
G111.0	173.5	156.2	168.4	175.6	170.5	157.0	89.6	35.7	24.7	37.1
G112.0	183.4	166.7	177.7	185.0	179.2	162.5	90.6	37.0	26.2	38.5
G113.0	191.1	176.7	186.8	193.6	186.9	166.9	91.4	38.2	27.8	39.8
G114.0	196.5	187.2	195.9	202.1	194.3	170.5	91.9	39.5	29.5	41.2
G115.0	203.3	199.9	205.7	210.3	201.3	173.3	92.1	41.0	31.1	42.7
G116.0	211.9	205.3	214.2	218.3	208.2	175.1	92.1	42.3	32.7	44.1
G117.0	219.6	213.4	222.5	226.2	213.9	176.1	92.0	43.6	34.5	45.4
G118.0	222.9	224.5	230.9	232.7	218.5	176.2	91.9	45.0	36.1	46.8
G119.0	225.4	232.4	237.7	238.2	222.2	175.6	91.7	46.5	37.8	48.4
G120.0	229.1	237.9	243.7	242.8	225.0	174.5	91.6	47.9	39.5	49.9
G121.0	233.5	243.4	248.6	246.6	226.5	172.7	91.4	49.4	41.1	51.3
G122.0	235.4	248.5	252.3	248.8	227.1	170.8	91.3	50.8	43.0	53.0
G123.0	235.4	251.0	255.3	250.1	226.7	168.7	91.3	52.4	44.8	54.5
G124.0	234.5	251.3	256.7	250.4	225.6	166.5	91.4	53.9	46.5	56.0
G125.0	233.0	250.4	257.3	249.8	223.8	164.0	91.5	55.4	48.2	57.6
G126.0	230.9	249.4	257.1	248.7	221.8	161.8	91.8	57.0	50.1	59.2
G127.0	228.3	248.7	256.1	246.9	219.4	159.6	92.1	58.8	51.8	60.9
G128.0	225.6	248.8	254.3	244.7	216.5	157.5	92.4	60.3	53.5	62.6
G129.0	222.6	248.0	252.3	242.1	213.6	155.3	92.8	61.9	55.3	64.2
G130.0	219.6	245.9	249.9	239.3	210.7	153.5	93.2	63.5	57.1	65.8
G131.0	216.2	243.2	247.1	236.4	207.6	151.7	93.8	65.3	58.8	67.6
G132.0	212.9	240.3	244.2	233.4	204.5	150.1	94.3	66.9	60.6	69.2
G133.0	209.5	237.2	241.2	229.7	201.1	148.4	94.9	68.5	62.2	70.8
G134.0	206.2	233.9	238.0	226.3	198.0	146.9	95.5	70.0	64.1	72.5
G135.0	202.5	230.1	234.3	222.8	194.9	145.6	96.1	71.8	65.8	74.1
G136.0	199.2	226.5	230.7	219.3	191.7	144.3	96.8	73.4	67.5	75.8
G137.0	195.9	222.9	227.0	215.3	188.6	143.0	97.5	75.0	69.2	77.4
G138.0	192.6	219.1	223.3	211.7	185.3	141.8	98.3	76.5	71.0	79.1
G139.0	189.1	215.3	219.5	208.1	182.4	140.7	99.0	78.3	72.7	80.7
G140.0	186.0	211.0	215.4	204.4	179.3	139.7	99.8	79.8	74.3	82.4
G141.0	182.9	207.2	211.6	200.4	176.5	138.5	100.6	81.4	76.0	84.0
G142.0	179.9	203.6	207.6	196.8	173.7	137.5	101.3	83.0	77.7	85.5
G143.0	176.9	199.9	203.5	193.2	171.2	136.5	102.3	84.6	79.5	87.3
G144.0	174.1	195.9	199.5	189.7	168.6	135.5	103.1	86.3	81.2	88.8
G145.0	171.4	192.4	195.9	185.9	165.9	134.4	104.0	87.8	82.9	90.4
G146.0	168.8	188.9	192.1	182.6	163.3	133.5	104.8	89.4	84.7	91.9
G147.0	166.1	185.6	188.4	179.3	160.8	132.5	105.7	91.2	86.7	93.6

C Plane (°):0.0-360.0: 15.0
 Test Lab: MESTER LAB
 Test Type: TYPE C
 Temperature: 25.5℃
 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

Candlepower Table (Continue 9)

Unit: cd

G\C	C150.0	C165.0	C180.0	C195.0	C210.0	C225.0	C240.0	C255.0	C270.0	C285.0
G148.0	163.7	182.2	184.7	176.0	158.6	131.6	106.5	92.7	88.4	95.1
G149.0	161.2	179.0	181.5	172.7	156.1	130.6	107.3	94.3	90.1	96.6
G150.0	158.7	175.4	177.7	169.6	153.6	129.8	107.9	95.8	91.8	98.1
G151.0	156.3	172.3	174.4	166.5	151.4	129.0	108.6	97.3	93.5	99.5
G152.0	153.9	169.1	171.0	163.5	149.2	128.2	109.2	98.9	95.0	100.9
G153.0	151.5	166.0	167.8	160.6	147.1	127.5	110.0	100.3	96.7	102.1
G154.0	149.2	162.7	164.3	157.3	145.0	126.7	110.6	101.6	98.3	103.3
G155.0	147.0	159.6	161.2	154.5	143.0	126.0	111.2	103.0	99.7	104.4
G156.0	144.5	156.6	158.0	151.8	141.1	125.3	111.8	104.2	101.2	105.6
G157.0	142.4	153.7	154.9	149.1	139.3	124.8	112.4	105.5	102.6	106.6
G158.0	140.2	150.8	151.6	146.5	137.4	124.3	113.0	106.7	103.9	107.6
G159.0	138.1	147.7	148.7	143.7	135.7	123.6	113.5	107.7	105.2	108.6
G160.0	136.0	144.8	145.9	141.3	133.9	123.0	114.0	108.7	106.5	109.6
G161.0	134.1	142.3	143.0	138.8	132.3	122.5	114.5	109.8	107.5	110.4
G162.0	132.4	139.7	140.1	136.5	130.8	122.0	115.0	110.8	108.7	111.3
G163.0	130.6	137.4	137.6	134.2	129.3	121.5	115.4	111.6	109.7	112.0
G164.0	129.0	134.9	135.2	132.1	127.9	121.1	115.8	112.5	110.7	112.8
G165.0	127.6	132.8	133.0	130.2	126.6	120.8	116.2	113.2	111.7	113.5
G166.0	126.3	130.8	131.0	128.4	125.3	120.5	116.6	114.0	112.6	114.2
G167.0	125.1	129.0	128.9	126.9	124.2	120.2	116.9	114.7	113.4	114.8
G168.0	124.1	127.2	127.2	125.3	123.3	120.0	117.2	115.4	114.2	115.5
G169.0	123.3	125.9	125.8	124.2	122.6	119.9	117.5	115.9	115.0	116.1
G170.0	122.5	124.6	124.5	123.2	121.9	119.8	117.8	116.5	115.7	116.7
G171.0	121.8	123.6	123.4	122.4	121.4	119.6	118.0	117.0	116.3	117.2
G172.0	121.2	122.7	122.4	121.6	120.9	119.4	118.2	117.5	116.9	117.7
G173.0	120.7	121.8	121.6	121.0	120.5	119.3	118.4	117.9	117.4	118.1
G174.0	120.3	121.2	120.9	120.5	120.1	119.3	118.6	118.3	117.9	118.4
G175.0	120.0	120.6	120.4	120.1	119.9	119.2	118.8	118.6	118.3	118.7
G176.0	119.8	120.2	120.0	119.7	119.6	119.2	118.9	118.9	118.6	118.9
G177.0	119.5	119.9	119.7	119.4	119.4	119.2	119.1	119.2	118.9	119.1
G178.0	119.5	119.6	119.4	119.3	119.3	119.3	119.2	119.2	119.1	119.2
G179.0	119.4	119.5	119.4	119.4	119.4	119.3	119.3	119.3	119.2	119.3
G180.0	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.4	119.3	119.4

C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5℃
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

Candlepower Table (Continue 10)

Unit: cd

G\C	C300.0	C315.0	C330.0	C345.0	C360.0					
G0.0	715.9	716.0	715.5	716.0	716.9					
G1.0	715.5	715.9	715.3	715.5	716.6					
G2.0	714.9	715.3	714.5	715.0	715.7					
G3.0	714.0	714.4	713.4	714.0	714.7					
G4.0	712.6	713.3	711.9	712.7	713.3					
G5.0	710.9	711.6	710.4	710.9	711.4					
G6.0	709.2	709.9	708.4	708.9	709.2					
G7.0	707.0	708.0	706.1	706.7	707.1					
G8.0	704.9	705.5	703.6	704.2	704.7					
G9.0	702.2	702.5	700.4	701.1	701.9					
G10.0	699.0	699.6	697.5	698.1	698.6					
G11.0	695.6	696.6	694.0	694.8	695.0					
G12.0	692.1	692.8	690.0	691.4	691.6					
G13.0	688.2	689.2	686.4	687.5	687.6					
G14.0	684.4	684.7	681.6	682.8	682.9					
G15.0	679.7	680.3	677.0	678.4	678.4					
G16.0	675.4	675.8	672.4	673.7	673.7					
G17.0	670.4	671.0	667.4	668.6	668.8					
G18.0	665.6	665.4	661.6	663.0	663.4					
G19.0	659.8	660.3	656.4	657.7	657.7					
G20.0	654.3	654.8	650.4	652.0	651.9					
G21.0	648.5	649.1	644.4	646.2	646.2					
G22.0	642.5	642.6	638.4	640.2	639.0					
G23.0	636.2	636.2	631.5	633.5	632.8					
G24.0	629.0	629.8	624.8	626.9	626.4					
G25.0	622.6	623.4	618.0	620.0	619.7					
G26.0	615.4	616.7	611.1	613.1	612.6					
G27.0	608.5	608.9	603.9	605.8	604.7					
G28.0	601.4	601.5	595.7	597.8	597.5					
G29.0	593.3	594.1	588.4	590.3	589.7					
G30.0	585.7	586.5	580.5	582.8	582.0					
G31.0	578.2	578.3	572.1	575.3	573.3					
G32.0	570.2	570.2	564.1	567.3	565.3					
G33.0	561.2	562.3	556.0	558.2	557.3					
G34.0	553.1	553.9	547.7	549.9	548.9					
G35.0	544.6	545.6	539.4	541.6	539.6					
G36.0	536.3	536.4	530.9	532.1	531.0					

C Plane (°):0.0-360.0: 15.0
 Test Lab: MESTER LAB
 Test Type: TYPE C
 Temperature: 25.5℃
 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

Candlepower Table (Continue 11)

Unit: cd

G\C	C300.0	C315.0	C330.0	C345.0	C360.0					
G37.0	526.8	527.8	521.3	523.4	522.4					
G38.0	518.0	519.0	512.2	514.6	513.2					
G39.0	509.2	510.2	503.4	505.6	503.7					
G40.0	499.9	500.1	494.3	496.3	494.3					
G41.0	490.1	490.8	484.4	486.3	485.3					
G42.0	480.8	481.7	475.1	477.0	475.7					
G43.0	471.6	472.4	465.7	467.9	466.3					
G44.0	462.1	462.1	455.2	457.1	456.2					
G45.0	452.2	452.5	445.5	447.6	446.4					
G46.0	441.8	443.0	435.6	438.0	436.9					
G47.0	431.8	433.3	425.6	428.3	426.2					
G48.0	422.1	422.4	415.9	417.5	416.2					
G49.0	412.3	412.4	404.9	407.5	406.2					
G50.0	401.1	402.4	394.8	397.5	395.8					
G51.0	391.1	392.3	384.8	387.3	385.0					
G52.0	380.6	382.0	374.4	377.1	374.5					
G53.0	369.7	370.7	363.3	365.9	364.4					
G54.0	359.1	360.3	352.6	355.6	353.8					
G55.0	348.9	349.9	342.5	345.1	342.4					
G56.0	338.2	339.4	331.9	334.7	331.9					
G57.0	327.6	327.9	320.3	323.2	321.0					
G58.0	315.9	317.3	309.4	312.6	309.4					
G59.0	304.9	306.7	298.6	302.0	298.8					
G60.0	294.4	294.8	287.8	290.0	288.0					
G61.0	283.6	284.1	277.1	279.6	277.0					
G62.0	272.5	273.1	264.9	268.7	266.2					
G63.0	260.3	262.1	254.0	257.7	254.1					
G64.0	249.0	249.9	242.8	245.6	242.8					
G65.0	238.2	238.9	232.2	234.5	231.8					
G66.0	225.8	227.6	219.8	223.5	220.7					
G67.0	214.7	216.4	208.8	212.5	208.5					
G68.0	203.4	205.4	197.6	201.4	197.6					
G69.0	192.0	193.1	186.3	189.3	186.4					
G70.0	179.8	182.0	174.1	178.2	173.9					
G71.0	168.4	170.9	162.9	167.3	162.8					
G72.0	157.4	158.8	151.0	155.2	151.7					
G73.0	145.7	147.2	140.4	143.6	140.3					

C Plane (°):0.0-360.0: 15.0
 Test Lab: MESTER LAB
 Test Type: TYPE C
 Temperature: 25.5℃
 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

Candlepower Table (Continue 12)

Unit: cd

G\C	C300.0	C315.0	C330.0	C345.0	C360.0					
G74.0	133.9	136.0	129.0	132.4	128.8					
G75.0	122.8	123.7	117.4	120.6	116.9					
G76.0	111.2	112.2	106.1	110.2	105.6					
G77.0	99.4	101.1	95.7	98.6	94.7					
G78.0	88.8	90.5	85.6	88.5	84.0					
G79.0	77.4	79.0	74.5	77.2	73.6					
G80.0	67.5	68.4	64.7	67.0	63.2					
G81.0	56.9	58.6	54.5	57.4	53.2					
G82.0	47.4	48.6	45.1	47.5	44.0					
G83.0	38.2	39.2	36.5	38.2	34.8					
G84.0	29.7	30.9	28.2	30.4	26.6					
G85.0	22.1	22.8	20.6	22.3	19.2					
G86.0	15.3	15.6	14.0	15.4	12.7					
G87.0	9.3	10.1	8.5	9.5	7.0					
G88.0	4.8	5.1	3.7	4.6	2.5					
G89.0	1.6	1.3	0.0	0.0	0.0					
G90.0	4.0	4.8	3.3	2.7	1.1					
G91.0	10.7	12.6	7.9	6.3	4.2					
G92.0	18.3	20.3	13.4	10.4	7.9					
G93.0	25.4	27.8	18.8	14.7	11.7					
G94.0	32.1	35.6	24.4	19.2	15.8					
G95.0	37.7	43.4	30.5	24.1	20.1					
G96.0	42.6	51.7	37.5	29.9	25.3					
G97.0	46.6	59.4	44.9	36.5	30.7					
G98.0	50.7	66.3	52.9	43.4	37.3					
G99.0	55.1	72.5	61.4	51.3	44.3					
G100.0	59.3	78.6	69.5	59.7	52.2					
G101.0	63.7	84.2	77.4	67.5	60.3					
G102.0	67.8	90.8	85.1	75.9	69.0					
G103.0	72.0	97.2	93.4	84.6	76.5					
G104.0	75.8	103.6	101.6	93.6	85.0					
G105.0	79.5	110.2	110.1	103.4	94.6					
G106.0	82.7	116.8	118.2	113.0	105.2					
G107.0	85.7	123.6	126.3	123.1	115.6					
G108.0	88.5	130.6	134.5	133.1	126.3					
G109.0	90.6	137.8	142.0	143.3	136.3					
G110.0	92.6	144.2	150.4	152.4	147.2					

C Plane (°):0.0-360.0: 15.0
 Test Lab: MESTER LAB
 Test Type: TYPE C
 Temperature: 25.5℃
 Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
 Test Device: GPM-1800B
 Distance: 11.655 m [K=1.0000]
 Humidity: 45% R.H
 Inspector:

Candlepower Table (Continue 13)

Unit: cd

G\C	C300.0	C315.0	C330.0	C345.0	C360.0					
G111.0	94.0	150.9	157.9	162.1	156.8					
G112.0	95.1	156.4	165.6	170.8	166.3					
G113.0	96.0	161.3	174.1	179.4	176.2					
G114.0	96.5	165.4	181.5	187.7	185.1					
G115.0	96.8	169.0	188.7	196.7	193.7					
G116.0	96.9	171.2	195.3	204.5	202.3					
G117.0	96.9	172.7	201.9	211.8	210.5					
G118.0	96.8	173.4	206.9	218.4	218.7					
G119.0	96.6	173.3	211.1	224.7	225.4					
G120.0	96.4	172.5	214.2	229.4	231.1					
G121.0	96.2	171.4	216.4	233.1	236.4					
G122.0	96.2	169.7	217.4	235.9	240.0					
G123.0	96.1	167.9	217.5	237.3	242.6					
G124.0	96.1	166.0	216.9	237.7	244.0					
G125.0	96.2	164.0	215.6	237.3	244.4					
G126.0	96.4	162.0	213.6	236.3	243.9					
G127.0	96.6	159.9	211.5	234.6	242.9					
G128.0	96.9	158.0	209.2	232.5	241.0					
G129.0	97.3	156.2	206.4	230.2	239.2					
G130.0	97.7	154.5	203.6	227.7	236.7					
G131.0	98.2	152.6	200.9	224.7	234.0					
G132.0	98.7	151.2	198.2	221.9	231.3					
G133.0	99.1	149.7	195.5	218.9	228.4					
G134.0	99.7	148.3	192.5	215.9	225.2					
G135.0	100.2	146.8	189.8	212.5	222.1					
G136.0	100.8	145.6	187.2	209.4	218.9					
G137.0	101.4	144.4	184.5	206.3	215.4					
G138.0	102.1	143.3	181.7	202.9	212.1					
G139.0	102.8	142.1	179.2	199.7	208.9					
G140.0	103.5	141.0	176.8	196.7	205.5					
G141.0	104.3	139.9	174.3	193.6	201.9					
G142.0	105.1	138.9	171.7	190.5	198.7					
G143.0	105.8	138.0	169.4	187.5	195.4					
G144.0	106.6	137.1	167.0	184.1	192.1					
G145.0	107.3	136.2	164.8	181.1	189.0					
G146.0	108.0	135.3	162.5	178.3	185.5					
G147.0	108.9	134.4	159.9	175.0	182.3					

C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5℃
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

Candlepower Table (Continue 14)

Unit: cd

G\C	C300.0	C315.0	C330.0	C345.0	C360.0					
G148.0	109.6	133.5	157.7	172.1	179.2					
G149.0	110.3	132.7	155.6	169.2	175.8					
G150.0	111.0	131.9	153.3	166.4	172.8					
G151.0	111.6	131.0	151.4	163.3	169.8					
G152.0	112.2	130.2	149.1	160.6	166.6					
G153.0	112.7	129.6	147.2	158.1	163.6					
G154.0	113.3	128.8	145.2	155.4	160.6					
G155.0	113.8	128.1	143.3	152.9	157.8					
G156.0	114.3	127.5	141.4	150.4	155.1					
G157.0	114.7	126.7	139.7	147.7	152.2					
G158.0	115.1	126.1	138.0	145.4	149.5					
G159.0	115.5	125.6	136.4	143.1	146.9					
G160.0	115.9	125.0	134.7	140.7	144.4					
G161.0	116.2	124.4	133.2	138.7	142.1					
G162.0	116.5	123.9	131.7	136.6	139.6					
G163.0	116.8	123.4	130.3	134.6	137.5					
G164.0	117.0	122.9	129.0	132.8	135.5					
G165.0	117.2	122.4	127.9	131.2	133.4					
G166.0	117.5	122.0	126.8	129.5	131.6					
G167.0	117.7	121.7	125.8	128.0	130.0					
G168.0	118.0	121.4	124.8	126.7	128.4					
G169.0	118.2	121.0	123.9	125.6	127.0					
G170.0	118.4	120.6	123.2	124.5	125.7					
G171.0	118.5	120.4	122.5	123.5	124.4					
G172.0	118.7	120.2	121.8	122.6	123.4					
G173.0	118.8	120.0	121.2	121.8	122.5					
G174.0	118.9	119.8	120.7	121.1	121.7					
G175.0	119.1	119.7	120.3	120.6	121.0					
G176.0	119.1	119.6	120.0	120.2	120.4					
G177.0	119.2	119.5	119.8	119.9	120.1					
G178.0	119.3	119.4	119.6	119.6	119.8					
G179.0	119.3	119.3	119.4	119.4	119.5					
G180.0	119.4	119.4	119.4	119.4	119.4					

C Plane (°):0.0-360.0: 15.0
Test Lab: MESTER LAB
Test Type: TYPE C
Temperature: 25.5℃
Operator: Yanzhao Sun

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 11.655 m [K=1.0000]
Humidity: 45% R.H
Inspector:

LED Average Luminance Report

Avg.L	cd/m ²
L 0-180(65) av	14980.69
L 0-180(75) av	12770.20
L 0-180(85) av	7640.80
L 90-270(65) av	15312.33
L 90-270(75) av	13104.34
L 90-270(85) av	7523.94
L 45(65) av	15128.60
L 45(75) av	12976.93
L 45(85) av	7722.98

Standard: GB/T 29293-2012