Report No.: Test Time: 2024-02-23 14:11

Luminaire Property

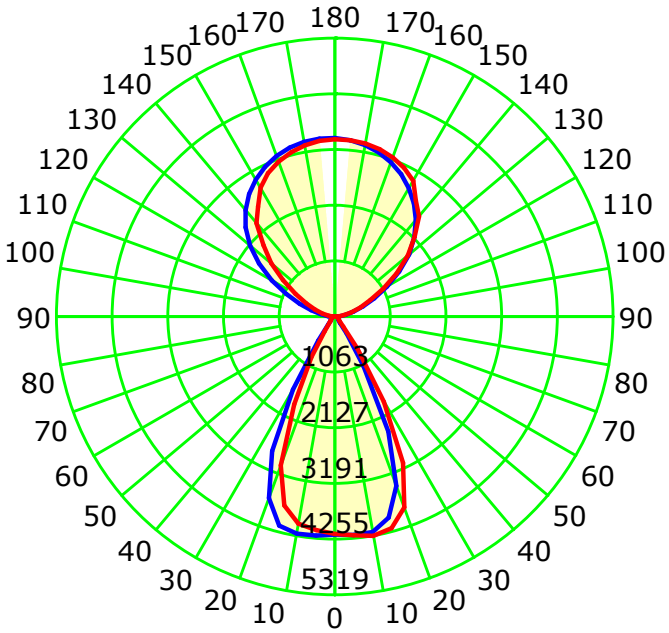
Luminaire Manufacturer:
Luminaire Category: 萤火落地灯-合并-10档亮度
Luminaire Description: Lamp Catalog: 3000K
Lamp Description: Number of Lamps:
Lumens per Lamp: Luminous Length (mm): 1150
Luminous Width (mm): 45 Luminous Height (mm): 50
Voltage: 230.69 V Current: 0.4710 A
Power: 106.59 W Power Factor: 0.9820

Photometric Results

CIE Class: Semi-Indirect Total Rated Lamp Lumens: 12042.8 lm
Measurement Flux: 12042.8 lm Efficiency: 100%
Downward Ratio: 28% Upward Ratio: 72%
Horizontal Diffuse Angle(50%): H54.2
Vertical Diffuse Angle(50%): V53
Luminous Efficacy (lm/w): 112.98 C0r0 Intensity: 4163.82 cd
Max. Intensity: 4255.46 cd Pos of Max. Intensity: H90 V10
S/MH(C0/C180): 0.91 S/MH(C90/C270): 0.88

Picture Of Luminaire

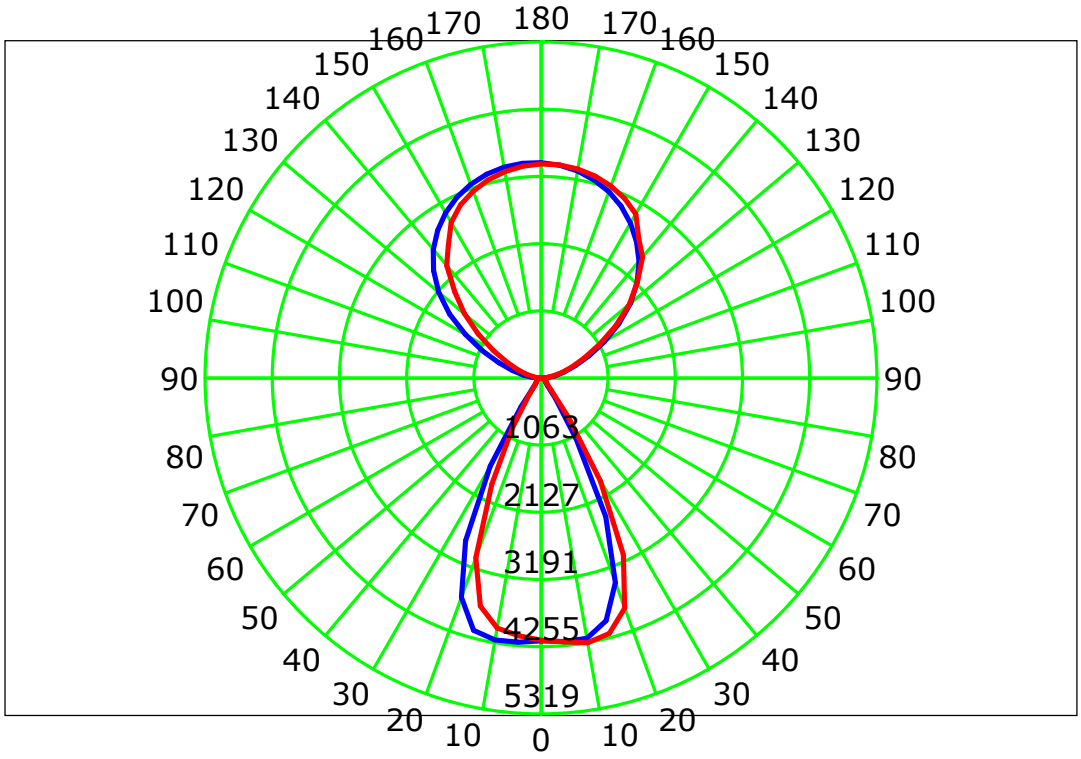
Luminous Intensity Distribution Curve

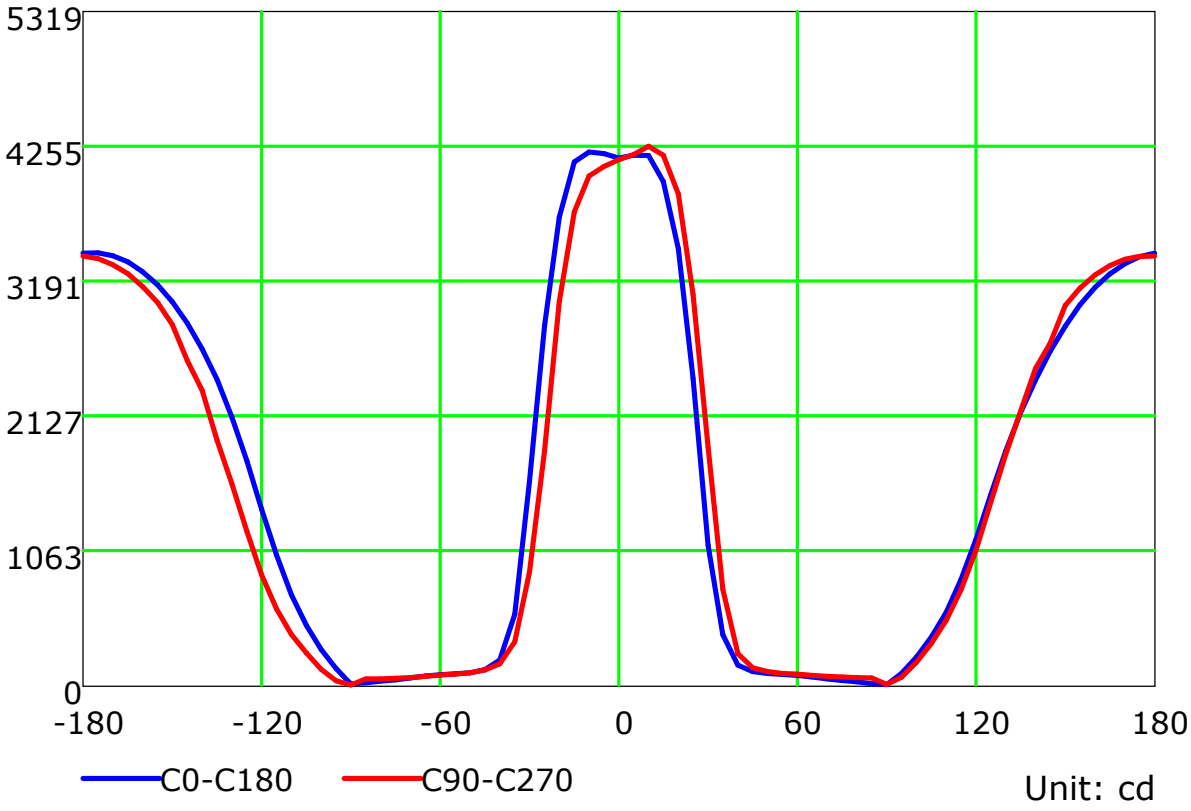


Unit: cd
Average Diffuse Angle(50%): 360.0°
C0-C180 C90-C270

C Plane (°):0.0-360.0: 90.0 Gamma Plane (°):0.0-180.0:5.0
Test Lab: Test Device: GPM-1600L
Test Type: TYPE C Distance: 7.172 m [K=1.0000]
Temperature: Humidity:
Operator: Inspector:

Luminous Intensity Distribution Curve

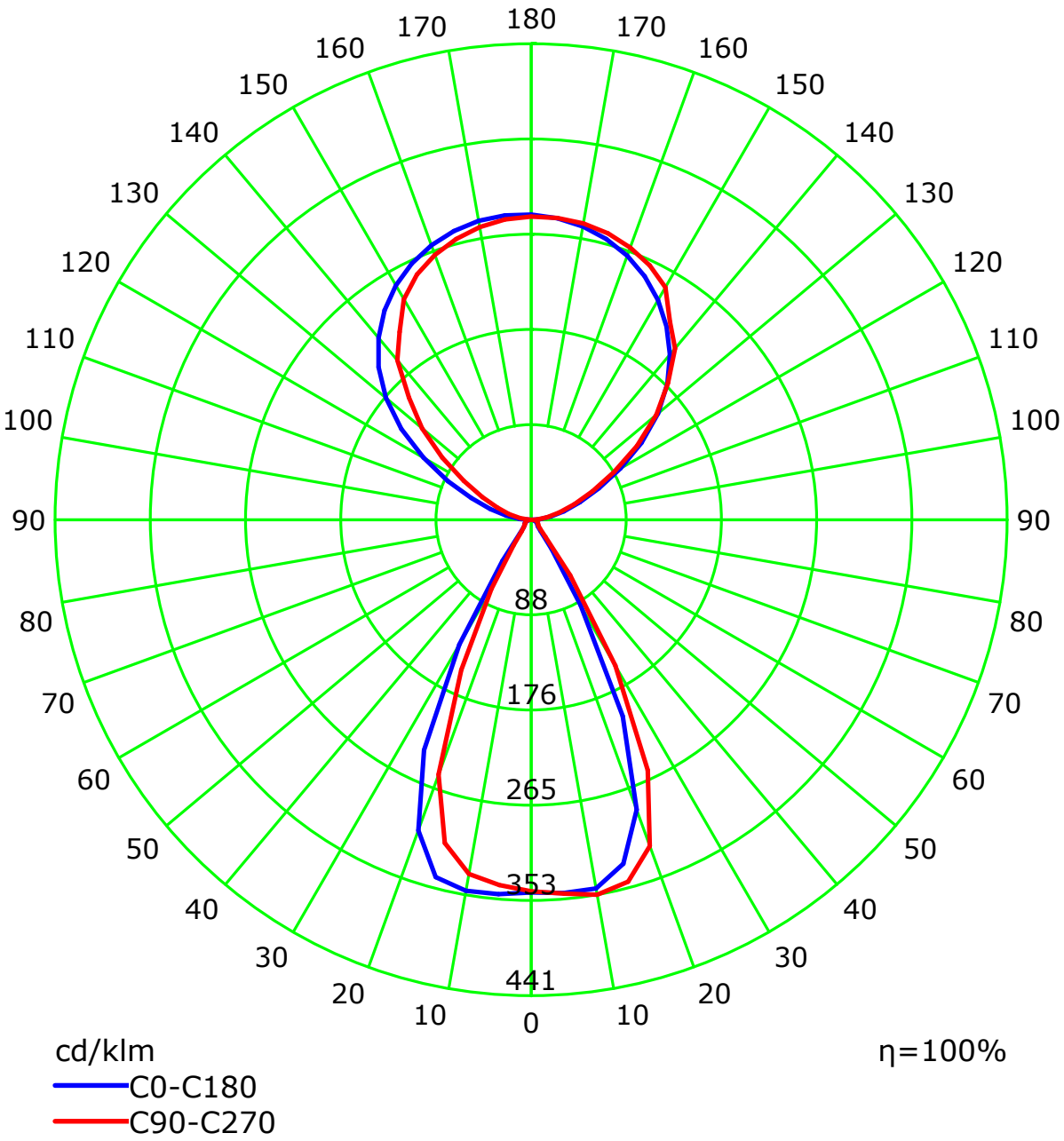




C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:5.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

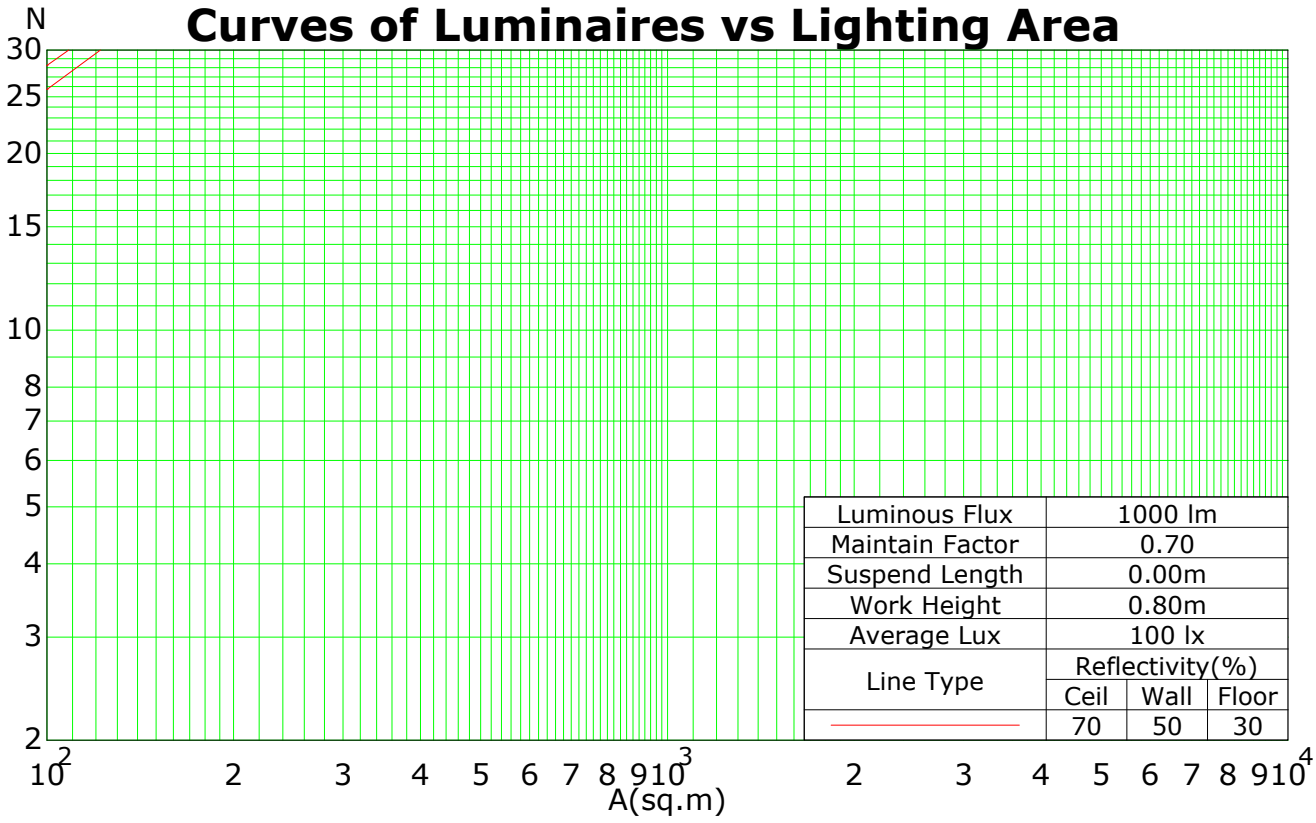
Gamma Plane (°):0.0-180.0:5.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

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	1.02	1.02	1.02	1.02	0.91	0.91	0.91	0.91	0.71	0.71	0.71	0.53	0.53	0.53	0.36	0.36	0.36	0.28
1	0.94	0.90	0.87	0.84	0.84	0.81	0.78	0.76	0.64	0.62	0.60	0.48	0.47	0.46	0.33	0.33	0.33	0.26
2	0.87	0.80	0.75	0.71	0.78	0.73	0.68	0.65	0.58	0.55	0.52	0.44	0.42	0.41	0.31	0.30	0.30	0.24
3	0.80	0.72	0.66	0.61	0.72	0.65	0.60	0.56	0.52	0.49	0.46	0.40	0.38	0.36	0.29	0.28	0.27	0.22
4	0.74	0.65	0.58	0.53	0.67	0.59	0.53	0.49	0.48	0.44	0.41	0.37	0.35	0.33	0.27	0.26	0.25	0.21
5	0.69	0.59	0.52	0.47	0.62	0.54	0.48	0.43	0.44	0.40	0.36	0.34	0.32	0.30	0.26	0.24	0.23	0.20
6	0.64	0.54	0.47	0.42	0.58	0.49	0.43	0.39	0.40	0.36	0.33	0.32	0.29	0.27	0.24	0.23	0.22	0.18
7	0.60	0.49	0.42	0.37	0.54	0.45	0.39	0.35	0.37	0.33	0.30	0.30	0.27	0.25	0.23	0.21	0.20	0.17
8	0.56	0.45	0.38	0.34	0.51	0.41	0.36	0.32	0.34	0.30	0.27	0.28	0.25	0.23	0.22	0.20	0.19	0.16
9	0.52	0.42	0.35	0.31	0.48	0.38	0.33	0.29	0.32	0.28	0.25	0.26	0.23	0.21	0.21	0.19	0.18	0.16
10	0.49	0.39	0.32	0.28	0.45	0.36	0.30	0.26	0.30	0.26	0.23	0.25	0.22	0.20	0.20	0.18	0.17	0.15

Spacing Criteria (0-180): 0.91
Spacing Criteria (90-270): 0.88
Spacing Criteria (Diagonal): 0.79

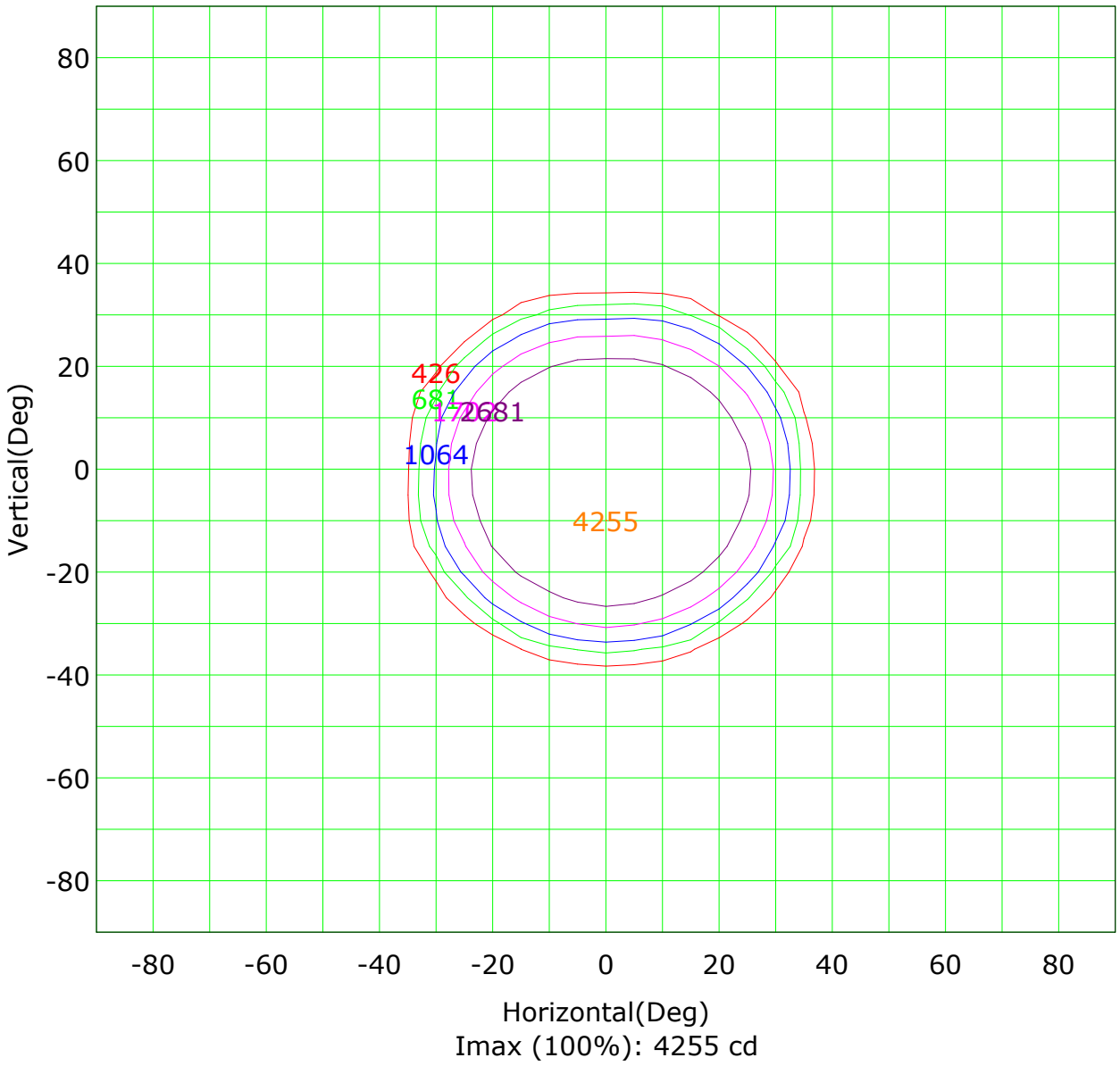
Curves of Luminaires vs Lighting Area



C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:5.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

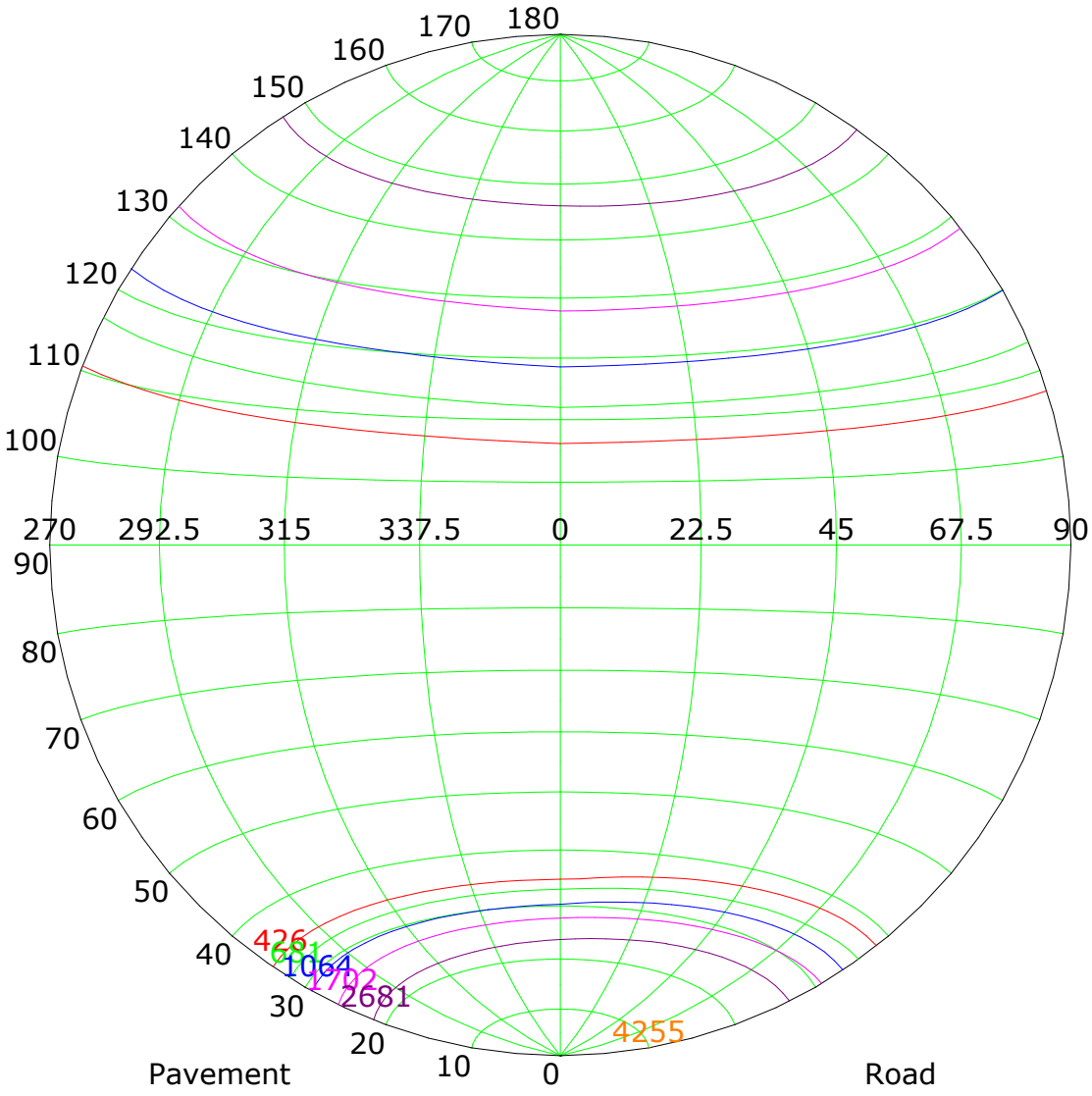
Isocandela (rectangle)



(10%): 426 cd
(16%): 681 cd
(25%): 1064 cd
(40%): 1702 cd
(63%): 2681 cd
(100%): 4255 cd

C Plane (°):0.0-360.0: 90.0
Gamma Plane (°):0.0-180.0:5.0
Test Lab:
Test Device: GPM-1600L
Test Type: TYPE C
Distance: 7.172 m [K=1.0000]
Temperature:
Humidity:
Operator:
Inspector:

Isocandela (sphere)



Imax (100%): 4255 cd

(10%): 426 cd
(16%): 681 cd
(25%): 1064 cd
(40%): 1702 cd
(63%): 2681 cd
(100%): 4255 cd

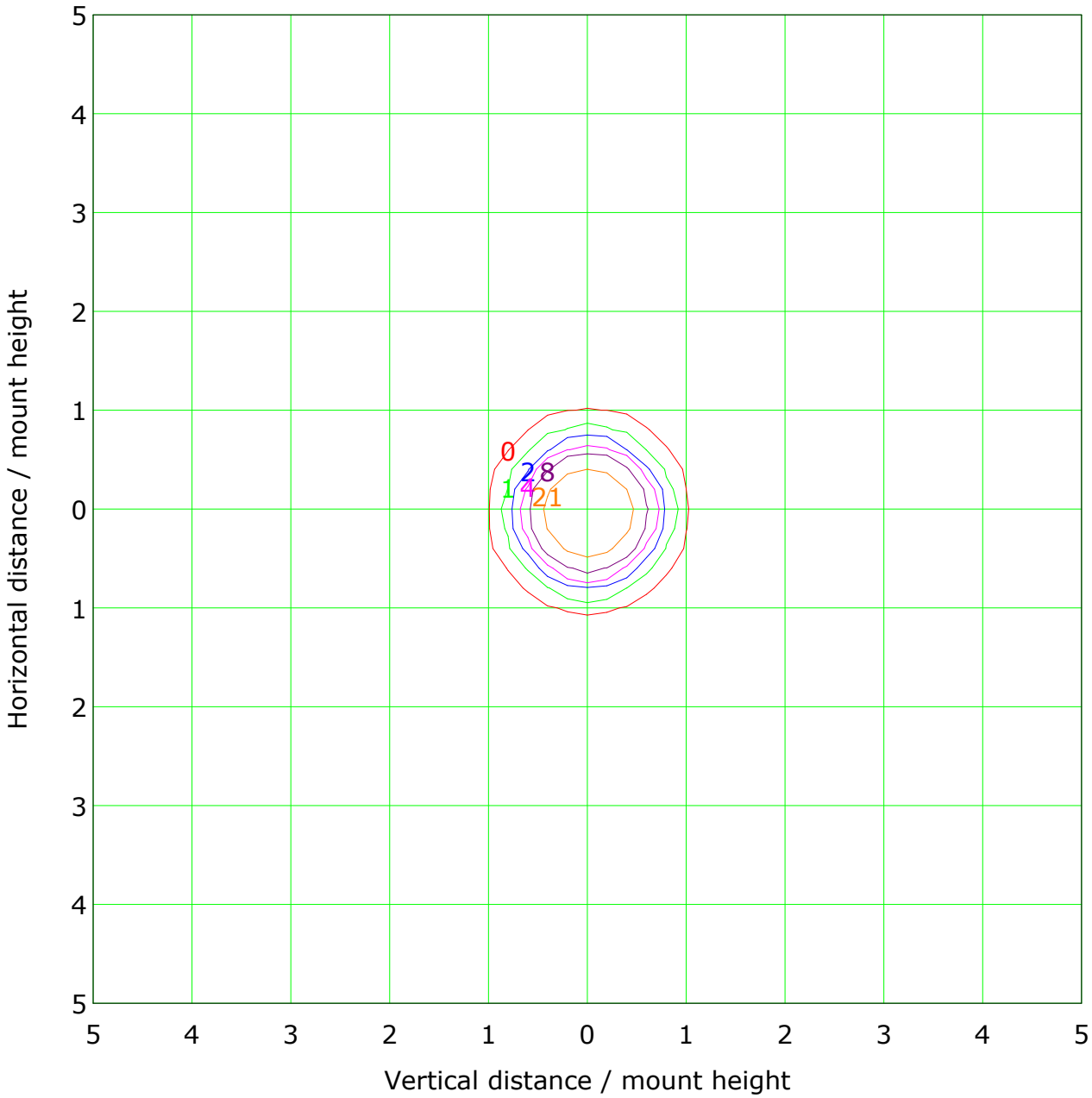
CIE: narrow - short
CIE: Non-cut-off luminaire
Max.At90: 4.364 cd/klm

IES: Semi-cut-off
Max.At80: 133.874 cd/klm
Max.80-90: 133.874 cd/klm

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:5.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

IsoLux Plot



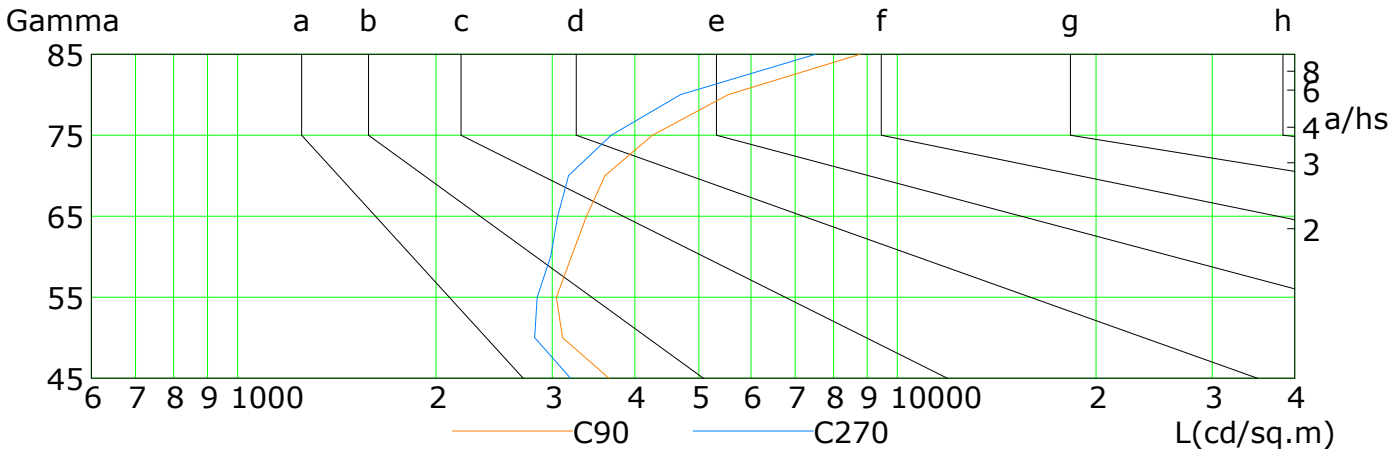
Mounting Height: 10.0m Max Lux(100%): 41.6 lx

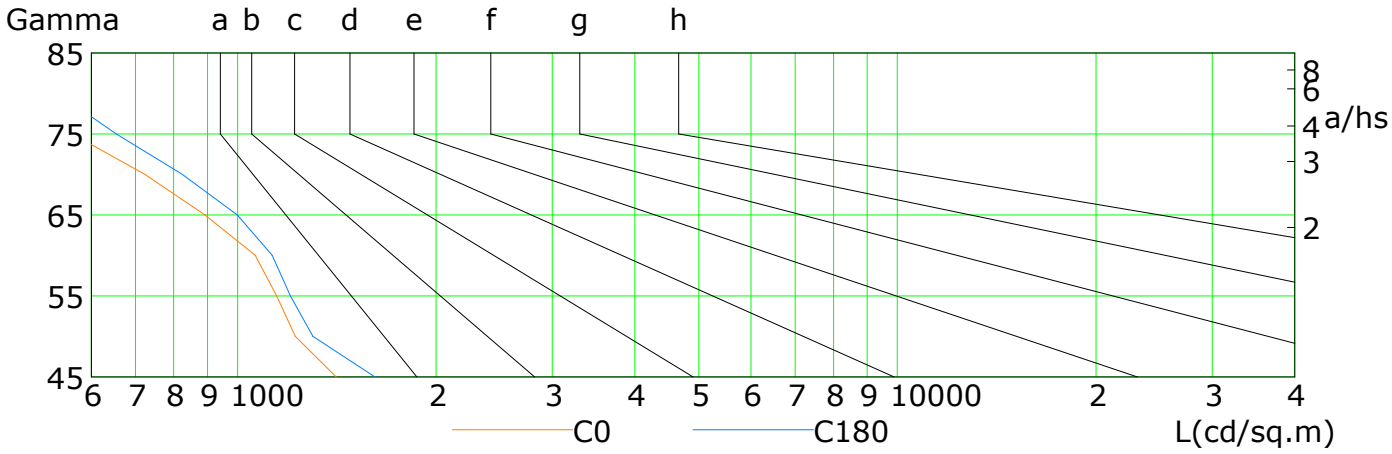
(1%): 0.4 lx
(2%): 0.8 lx
(5%): 2.1 lx
(10%): 4.2 lx
(20%): 8.3 lx
(50%): 20.8 lx
(100%): 41.6 lx

C Plane (°):0.0-360.0: 90.0
Gamma Plane (°):0.0-180.0:5.0
Test Lab:
Test Device: GPM-1600L
Test Type: TYPE C
Distance: 7.172 m [K=1.0000]
Temperature:
Humidity:
Operator:
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



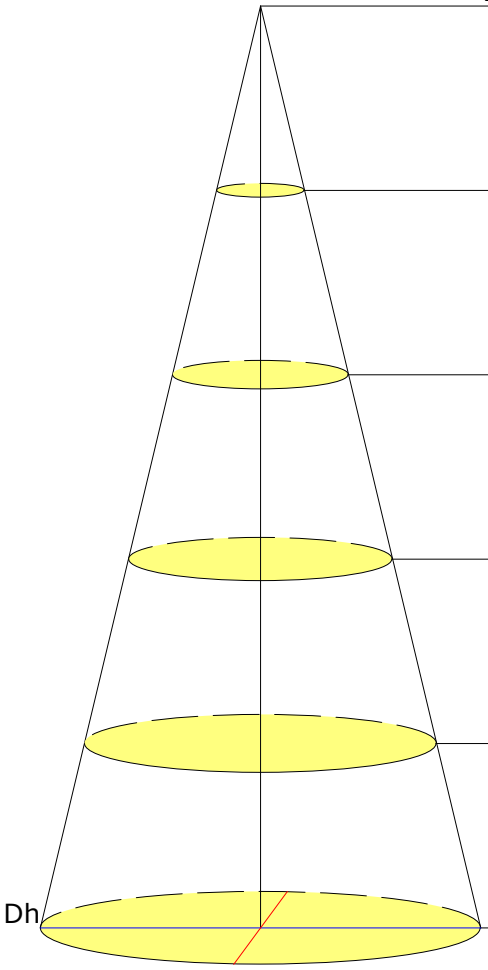


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1412	1223	1146	1063	892	724	562	456	226
C90	3656	3107	3042	3205	3379	3606	4251	5542	8781
C180	1616	1300	1202	1129	999	824	655	533	332
C270	3196	2821	2844	2981	3057	3175	3682	4691	7517

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:5.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

Illuminance at a Distance



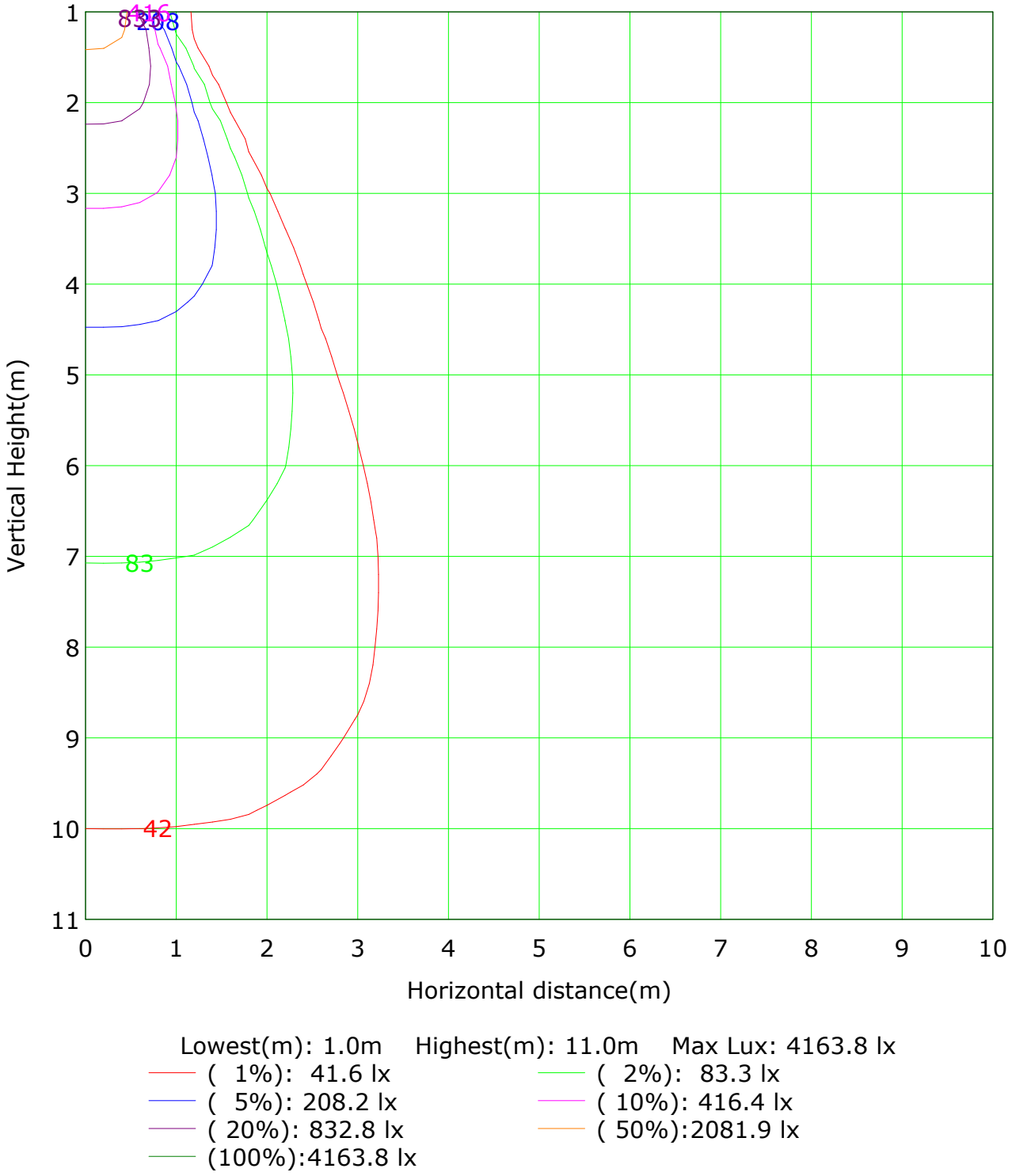
Dist(m)	Enadir(lx)	Dh/Dv_B(m)	S_B(sq.m)	Eav_B(lx)
10.0	41.64	NA/NA	NA	NA
20.0	10.41	NA/NA	NA	NA
30.0	4.63	NA/NA	NA	NA
40.0	2.60	NA/NA	NA	NA
50.0	1.67	NA/NA	NA	NA

Beam Angle(B): H360.0 V360.0 Field Angle(F): H360.0 V360.0

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:5.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 4163.8 lx

(1%): 41.6 lx
(2%): 83.3 lx
(5%): 208.2 lx
(10%): 416.4 lx
(20%): 832.8 lx
(50%):2081.9 lx
(100%):4163.8 lx

C Plane (°):0.0-360.0: 90.0
Gamma Plane (°):0.0-180.0:5.0
Test Lab:
Test Device: GPM-1600L
Test Type: TYPE C
Distance: 7.172 m [K=1.0000]
Temperature:
Humidity:
Operator:
Inspector:

Area Flux Table

Unit: lm

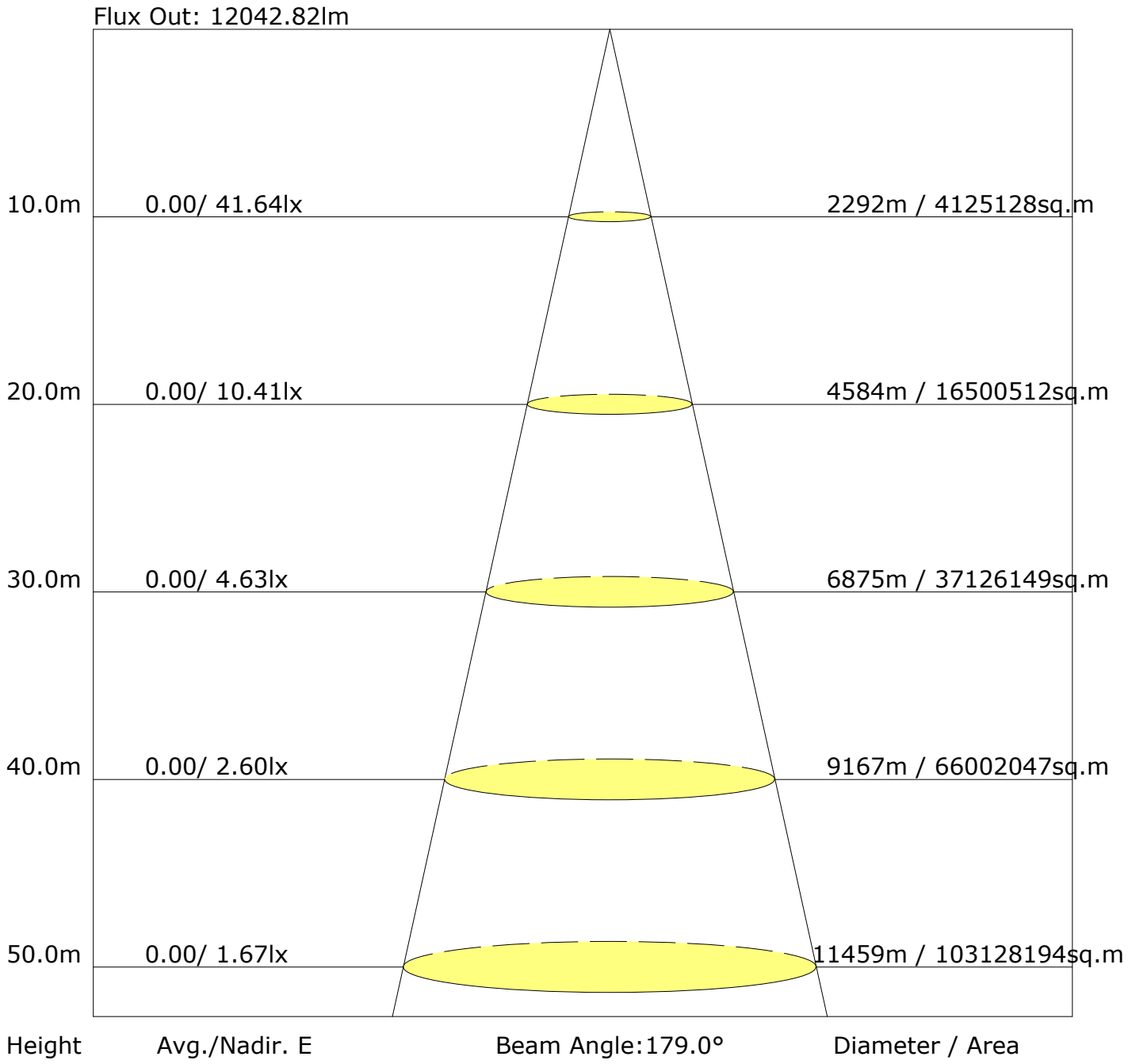
Vertical plane	Flux(E)	Flux(T)	90	80	70	60	50	40	30	20	10	0	-10	-20	-30	-40	-50	-60	-70	-80	-90	Flux(T)	Flux(E)
-90	0.0	1.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0		
-80	0.0	5.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.2	0.2	0.1	0.0		
-70	0.0	12.1	0.3	0.4	0.5	0.6	0.7	0.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.7	0.5	0.4	0.2	0.0		
-60	0.0	20.9	0.4	0.7	0.9	1.1	1.3	1.4	1.5	1.6	1.6	1.6	1.6	1.6	1.5	1.4	1.2	0.8	0.7	0.4	0.0		
-50	0.0	32.1	0.6	1.1	1.3	1.6	1.9	2.0	2.3	2.7	3.0	2.9	2.6	2.2	2.0	1.8	1.5	1.2	1.0	0.6	0.0		
-40	0.0	86.6	0.9	1.4	1.7	2.1	2.4	3.0	5.2	11.2	17.5	16.6	9.6	4.5	2.8	2.3	2.0	1.6	1.2	0.7	0.0		
-30	0.0	312.2	1.1	1.6	2.0	2.5	3.0	6.0	22.8	54.1	73.3	69.8	45.3	16.6	4.8	2.8	2.3	1.9	1.4	0.9	0.0		
-20	0.0	572.4	1.2	1.8	2.3	2.8	3.9	14.7	59.7	103.1	117.6	114.3	89.7	41.3	9.2	3.4	2.6	2.1	1.6	1.1	0.0		
-10	0.0	691.4	1.4	2.0	2.4	2.9	4.7	25.2	85.7	123.0	127.6	124.9	109.5	57.2	13.2	3.9	2.7	2.2	1.7	1.2	0.0		
0	0.0	683.9	1.4	2.0	2.4	2.9	4.6	24.6	84.1	122.0	127.2	124.5	108.5	55.6	12.6	3.8	2.7	2.2	1.7	1.2	0.0		
10	0.0	544.4	1.2	1.8	2.2	2.7	3.8	13.8	55.2	98.6	113.6	110.4	85.2	36.9	8.3	3.3	2.6	2.0	1.6	1.0	0.0		
20	0.0	268.9	1.0	1.6	2.0	2.4	2.9	5.5	19.7	46.2	63.4	59.9	37.4	13.4	4.3	2.7	2.3	1.8	1.4	0.9	0.0		
30	0.0	70.8	0.8	1.3	1.6	2.0	2.3	2.8	4.6	9.0	12.9	12.0	7.5	3.9	2.6	2.2	1.9	1.5	1.2	0.7	0.0		
40	0.0	29.7	0.6	1.0	1.2	1.5	1.8	2.0	2.2	2.4	2.6	2.5	2.3	2.1	1.9	1.7	1.4	1.1	0.9	0.5	0.0		
50	0.0	19.5	0.4	0.7	0.8	1.0	1.2	1.3	1.5	1.5	1.5	1.5	1.5	1.4	1.3	1.1	0.9	0.8	0.6	0.3	0.0		
60	0.0	10.8	0.2	0.4	0.5	0.6	0.6	0.7	0.8	0.8	0.9	0.9	0.8	0.8	0.7	0.6	0.5	0.5	0.3	0.2	0.0		
70	0.0	4.3	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.0		
80	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0		
90		3367	11.7	18.1	22.4	27.3	35.7	104.6	346.9	577.9	664.5	643.7	503.3	239.0	66.8	32.4	25.8	20.6	16.1	10.0	0.0		
Flux(T)			0.0	0.0	0.0	0.0	0.0	67.6	324.6	559.3	647.3	626.3	483.5	212.7	21.1	0.0	0.0	0.0	0.0	0.0	0.0		
Flux(E)		2942	0.0	0.0	0.0	0.0	0.0	67.6	324.6	559.3	647.3	626.3	483.5	212.7	21.1	0.0	0.0	0.0	0.0	0.0	0.0		

Horizontal plane

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:5.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:5.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
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	3.5	4.1	4.6	5.2	6.6	6.0	6.6	7.0	7.6	9.0
3H	4.0	4.5	5.1	5.6	7.0	6.9	7.4	8.0	8.5	9.9
4H	4.2	4.7	5.3	5.7	7.2	7.6	8.0	8.7	9.1	10.6
6H	4.3	4.8	5.4	5.9	7.3	8.5	8.9	9.6	10.0	11.5
8H	4.4	4.8	5.5	5.9	7.4	9.1	9.5	10.2	10.6	12.1
12H	4.3	4.7	5.5	5.8	7.4	9.8	10.2	10.9	11.3	12.8
X=4H Y=2H	3.6	4.1	4.7	5.2	6.6	5.8	6.3	6.9	7.3	8.8
3H	4.3	4.7	5.4	5.8	7.3	6.9	7.3	8.0	8.4	9.9
4H	4.6	5.0	5.8	6.1	7.6	7.7	8.0	8.8	9.2	10.7
6H	4.9	5.2	6.1	6.3	7.9	8.8	9.1	10.0	10.2	11.8
8H	5.0	5.3	6.1	6.4	8.0	9.5	9.8	10.7	10.9	12.5
12H	5.0	5.2	6.2	6.4	8.0	10.4	10.6	11.5	11.7	13.3
X=8H Y=4H	4.8	5.1	6.0	6.3	7.8	7.6	7.9	8.8	9.1	10.6
6H	5.3	5.5	6.5	6.7	8.2	8.9	9.1	10.0	10.2	11.8
8H	5.4	5.6	6.6	6.8	8.4	9.7	9.9	10.9	11.0	12.6
12H	5.5	5.7	6.7	6.9	8.5	10.7	10.8	11.8	12.0	13.6
X=12H Y=4H	4.9	5.1	6.0	6.3	7.9	7.6	7.8	8.7	9.0	10.6
6H	5.4	5.6	6.6	6.8	8.4	8.8	9.0	10.0	10.2	11.8
8H	5.6	5.8	6.8	7.0	8.6	9.7	9.8	10.9	11.0	12.6
Variations with the observer position at spacings:										
S=1.0H	+2.5/-1.0					+1.2/-0.5				
S=1.5H	+4.4/-1.4					+2.4/-0.8				
S=2.0H	+6.0/-1.9					+3.6/-1.3				

Calculate in accordance with CIE Pub.117. The table is revised with 12043lm (8log(F/F0) = 8.6).

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:5.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 0.75								
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	0.48	0.55	0.60	0.64	0.70	0.73	0.76	0.79	0.81
	0.30		0.43	0.50	0.55	0.59	0.65	0.69	0.72	0.76	0.79
	0.20		0.39	0.45	0.51	0.55	0.61	0.66	0.69	0.73	0.76
0.50	0.50	0.20	0.40	0.45	0.49	0.52	0.56	0.58	0.60	0.63	0.64
	0.30		0.36	0.42	0.46	0.48	0.53	0.56	0.58	0.61	0.62
	0.20		0.33	0.40	0.43	0.46	0.50	0.53	0.56	0.59	0.61
0.30	0.50	0.20	0.33	0.36	0.39	0.41	0.43	0.45	0.46	0.47	0.48
	0.30		0.30	0.34	0.36	0.38	0.41	0.43	0.44	0.46	0.47
	0.20		0.28	0.32	0.35	0.37	0.40	0.42	0.43	0.45	0.46
0.00	0.00	0.00	0.20	0.22	0.23	0.24	0.24	0.25	0.25	0.26	0.26

Rating:107W 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 = 0.75				
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	0.72	0.60	0.51	0.45	0.36	0.30	0.26	0.20	0.16
	0.30		0.60	0.51	0.45	0.40	0.33	0.27	0.24	0.19	0.16
	0.20		0.52	0.45	0.40	0.36	0.30	0.25	0.22	0.18	0.15
0.50	0.50	0.20	0.54	0.45	0.38	0.33	0.27	0.23	0.19	0.15	0.12
	0.30		0.46	0.39	0.34	0.30	0.24	0.20	0.18	0.14	0.12
	0.20		0.40	0.34	0.30	0.27	0.22	0.19	0.17	0.13	0.11
0.30	0.50	0.20	0.38	0.31	0.26	0.23	0.18	0.15	0.13	0.10	0.08
	0.30		0.32	0.27	0.23	0.21	0.17	0.14	0.12	0.09	0.08
	0.20		0.28	0.24	0.21	0.19	0.16	0.13	0.11	0.09	0.08
0.00	0.00	0.00	0.08	0.06	0.05	0.05	0.04	0.03	0.03	0.02	0.02

Rating:107W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:5.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 0.75								
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	0.84	0.85	0.86	0.86	0.87	0.88	0.88	0.88	0.89
	0.30		0.79	0.80	0.81	0.82	0.84	0.85	0.85	0.86	0.87
	0.20		0.76	0.77	0.78	0.79	0.81	0.82	0.83	0.84	0.85
0.50	0.50	0.20	0.81	0.82	0.83	0.83	0.84	0.84	0.84	0.85	0.85
	0.30		0.78	0.79	0.80	0.80	0.81	0.82	0.82	0.83	0.84
	0.20		0.75	0.76	0.77	0.78	0.79	0.80	0.81	0.82	0.82
0.30	0.50	0.20	0.79	0.79	0.80	0.80	0.81	0.81	0.81	0.81	0.82
	0.30		0.76	0.77	0.78	0.78	0.79	0.79	0.80	0.80	0.81
	0.20		0.74	0.75	0.76	0.76	0.77	0.78	0.79	0.79	0.80
0.00	0.00	0.00	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72	0.72

Rating:107W Photometrically tested without ceiling board.

Multiply UF values by service correction factors

Calculate in accordance with CIBSE Technical Memorandum NO.5 1980

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:5.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

Zonal Lumen

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-5.0	4163.3	99.5	99.5	0.83	0.83
5.0-10.0	4168.4	298.2	397.8	2.48	3.30
10.0-15.0	4088.6	485.1	882.8	4.03	7.33
15.0-20.0	3761.1	619.9	1502.8	5.15	12.48
20.0-25.0	3031.8	636.0	2138.7	5.28	17.76
25.0-30.0	1962.1	496.6	2635.3	4.12	21.88
30.0-35.0	945.1	278.4	2913.7	2.31	24.19
35.0-40.0	356.3	118.9	3032.6	0.99	25.18
40.0-45.0	159.9	59.2	3091.8	0.49	25.67
45.0-50.0	112.2	45.4	3137.2	0.38	26.05
50.0-55.0	96.1	41.8	3178.9	0.35	26.40
55.0-60.0	88.0	40.7	3219.6	0.34	26.73
60.0-65.0	79.0	38.4	3258.0	0.32	27.05
65.0-70.0	67.4	34.1	3292.1	0.28	27.34
70.0-75.0	56.6	29.6	3321.7	0.25	27.58
75.0-80.0	48.4	25.9	3347.6	0.21	27.80
80.0-85.0	40.5	22.0	3369.6	0.18	27.98
85.0-90.0	21.8	11.9	3381.6	0.10	28.08
90.0-95.0	44.9	24.6	3406.2	0.20	28.28
95.0-100.0	143.2	77.8	3484.0	0.65	28.93
100.0-105.0	281.7	150.8	3634.7	1.25	30.18
105.0-110.0	456.3	238.5	3873.3	1.98	32.16
110.0-115.0	679.2	344.0	4217.2	2.86	35.02
115.0-120.0	963.5	468.4	4685.7	3.89	38.91
120.0-125.0	1303.1	602.4	5288.1	5.00	43.91
125.0-130.0	1666.0	724.5	6012.6	6.02	49.93
130.0-135.0	2006.5	810.9	6823.5	6.73	56.66
135.0-140.0	2320.6	859.4	7682.8	7.14	63.80
140.0-145.0	2583.4	862.0	8544.8	7.16	70.95
145.0-150.0	2809.5	827.5	9372.3	6.87	77.82
150.0-155.0	3005.2	760.6	10132.9	6.32	84.14
155.0-160.0	3141.0	658.9	10791.8	5.47	89.61
160.0-165.0	3244.5	534.8	11326.5	4.44	94.05
165.0-170.0	3320.6	394.0	11720.5	3.27	97.32
170.0-175.0	3370.4	241.1	11961.6	2.00	99.33
175.0-180.0	3395.2	81.2	12042.8	0.67	100.00

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:5.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

Zonal Lumen (Continue 1)

cone flux(90°): 3091.81 lm

%lum = 25.7%
%lamp = 25.7%

cone flux(120°): 3219.62 lm

%lum = 26.7%
%lamp = 26.7%

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	4163.8	4151.8	4163.8	4151.8	4163.8					
G5.0	4186.8	4192.1	4198.6	4097.8	4186.8					
G10.0	4184.0	4255.5	4211.4	4020.8	4184.0					
G15.0	3979.2	4186.0	4133.4	3738.5	3979.2					
G20.0	3447.1	3880.5	3694.6	3029.3	3447.1					
G25.0	2424.6	3087.1	2839.6	1851.0	2424.6					
G30.0	1106.2	1881.4	1612.2	894.7	1106.2					
G35.0	401.4	758.9	561.3	345.0	401.4					
G40.0	160.3	250.6	201.3	171.6	160.3					
G45.0	109.1	139.6	124.8	122.0	109.1					
G50.0	94.6	108.7	100.5	98.7	94.6					
G55.0	88.0	95.9	92.3	89.7	88.0					
G60.0	80.5	89.2	85.4	82.9	80.5					
G65.0	66.0	80.8	73.9	73.1	66.0					
G70.0	51.9	71.4	59.1	62.9	51.9					
G75.0	38.8	66.2	45.2	57.3	38.8					
G80.0	29.9	62.1	35.0	52.5	29.9					
G85.0	14.0	59.3	20.5	50.8	14.0					
G90.0	6.4	8.2	11.7	3.3	6.4					
G95.0	95.9	64.5	132.0	37.3	95.9					
G100.0	222.7	182.1	283.9	127.0	222.7					
G105.0	379.2	328.5	473.5	256.9	379.2					
G110.0	578.2	514.2	716.0	403.8	578.2					
G115.0	835.4	755.3	1027.9	602.8	835.4					
G120.0	1154.2	1068.3	1391.5	872.4	1154.2					
G125.0	1505.1	1444.5	1772.1	1216.4	1505.1					
G130.0	1852.2	1825.6	2119.9	1592.4	1852.2					
G135.0	2152.6	2160.9	2413.3	1935.3	2152.6					
G140.0	2412.6	2502.0	2656.4	2331.8	2412.6					
G145.0	2638.4	2702.6	2859.4	2563.7	2638.4					
G150.0	2836.1	3000.1	3027.6	2848.4	2836.1					
G155.0	3005.5	3137.6	3161.6	3024.6	3005.5					
G160.0	3141.3	3239.6	3266.6	3150.9	3141.3					
G165.0	3249.1	3314.6	3343.6	3250.1	3249.1					
G170.0	3328.6	3363.8	3392.9	3322.0	3328.6					
G175.0	3384.6	3387.3	3414.7	3369.6	3384.6					
G180.0	3413.1	3389.7	3413.1	3389.7	3413.1					

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:5.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector: