

Report No.:

Test Time: 2020-11-03 17:32

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: SSL4-MCT5-5K

Current: 0.081 A

Power Factor: 0.973

Voltage: 120.3 V

Power: 9.50 W

Photometric Results

CIE Class: Direct

Measurement Flux: 576.4 lm

Downward Ratio: 100%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 161.0, 164.1, 162.9, 162.9

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 118.1, 118.2, 117.8, 117.5

Luminaire Efficacy Rating (LER): 60.73

Max. Intensity: 190.83 cd

S/MH(C0/C180): 1.32

Total Rated Lamp Lumens: 576.4 lm

Efficiency: 100%

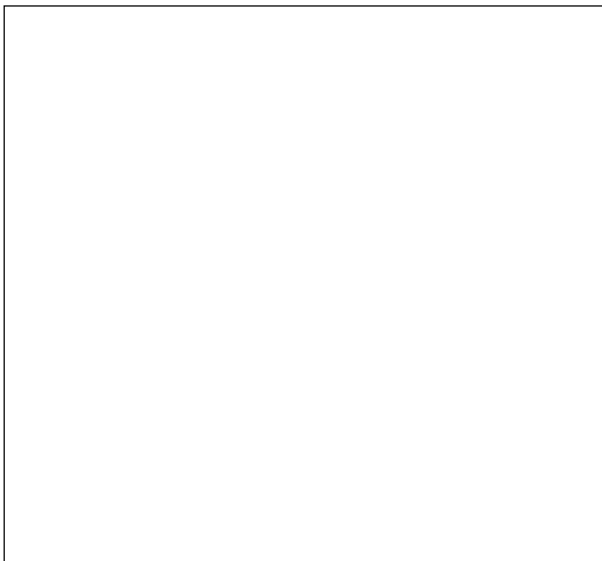
Upward Ratio: 0%

Central Intensity: 188.32 cd

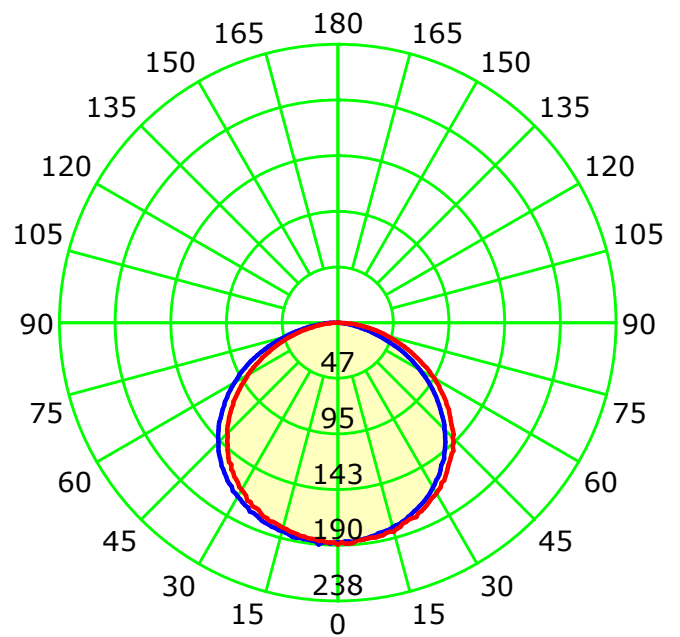
Pos of Max. Intensity: H180 V5

S/MH(C90/C270): 1.30

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

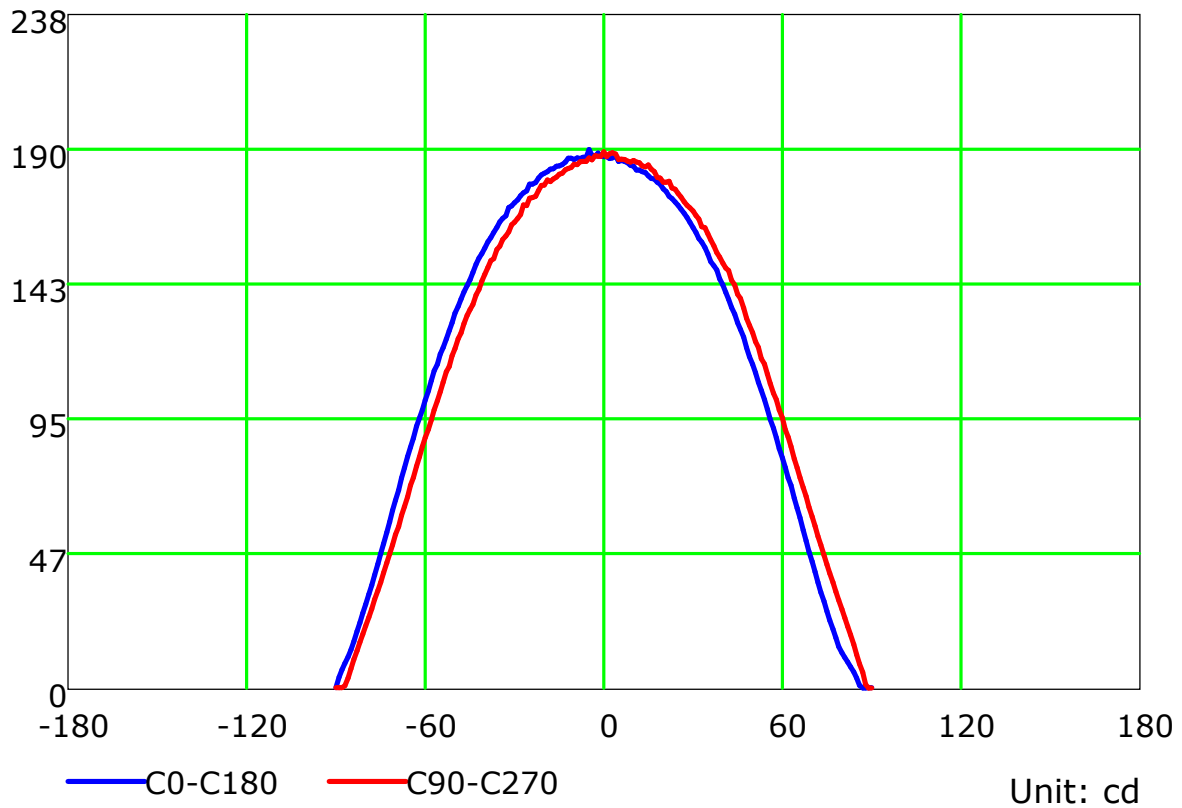
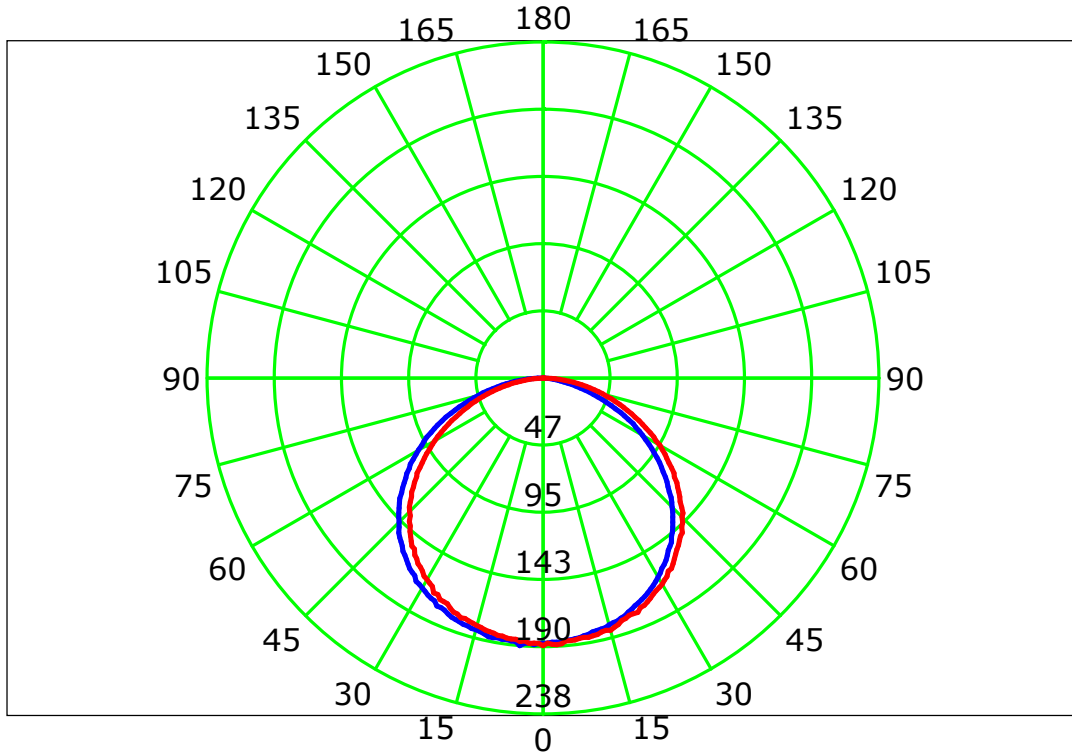
Test Device: GPM-1600L

Distance: 6.935 m

Humidity:

Inspector:

Luminous Intensity Distribution Curve

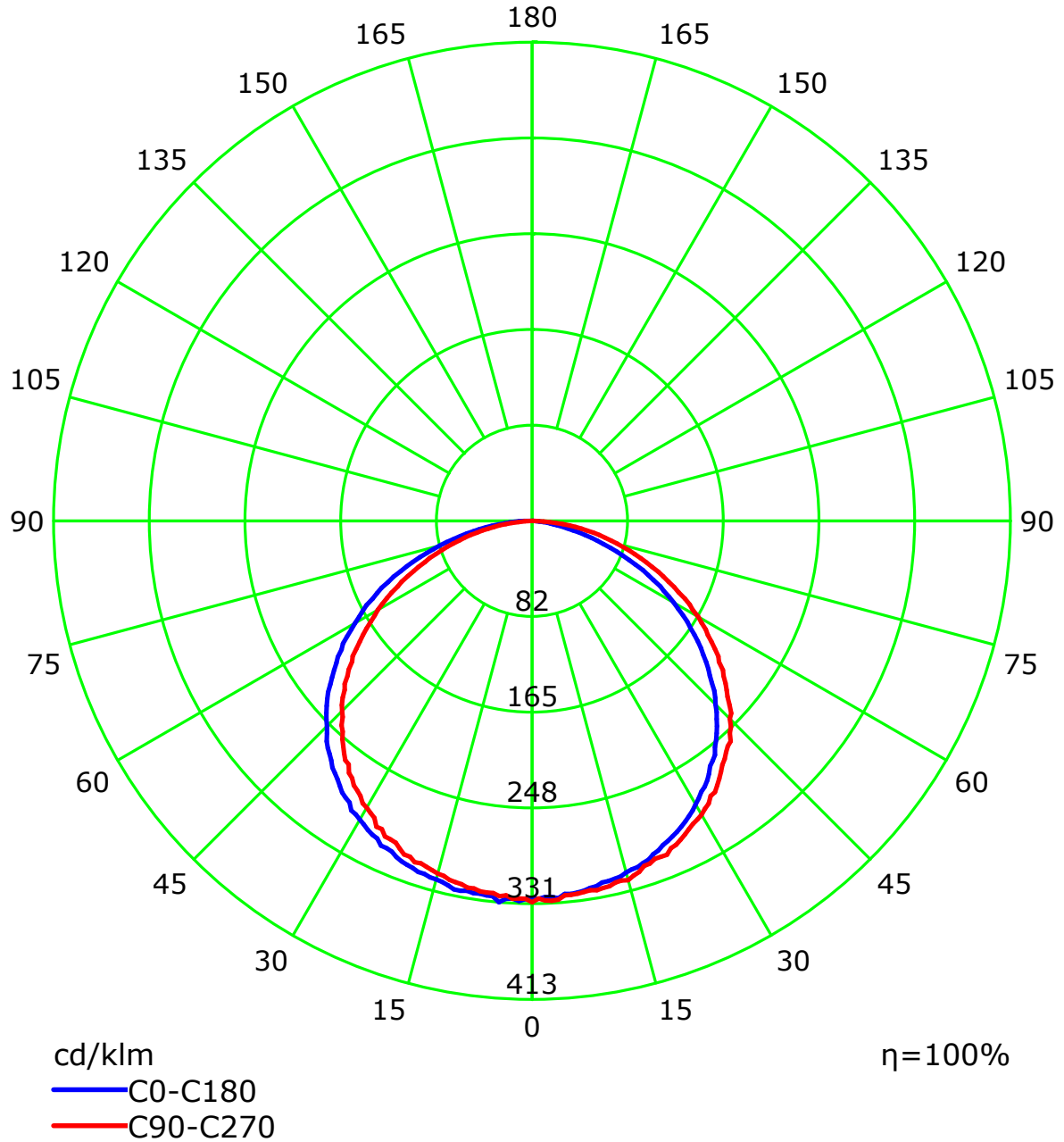


C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector:

Unit: cd

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600L

Distance: 6.935 m

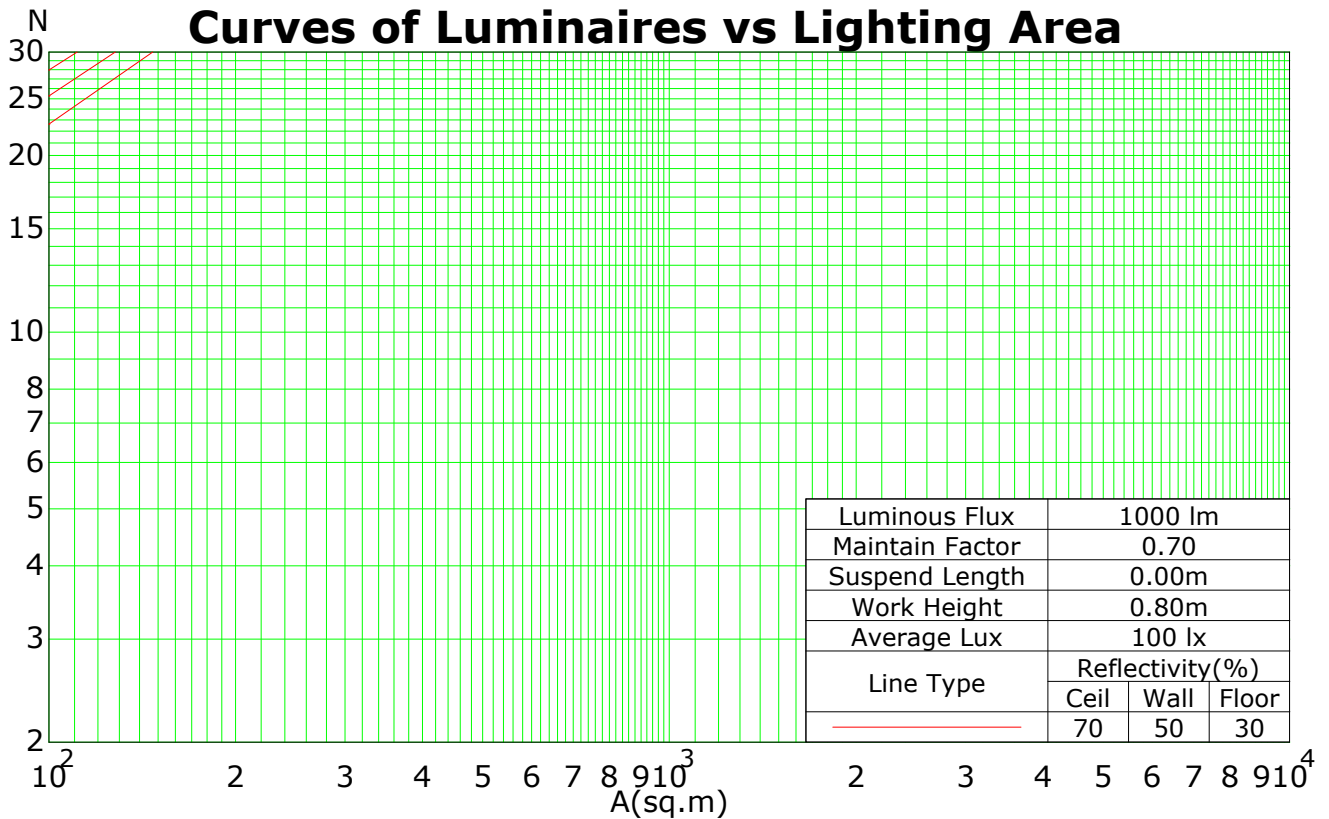
Humidity:

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
RCCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	87	85	83
2	98	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	71	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	63	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	40	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	25	37	30	25	36	30	25	36	29	25	23

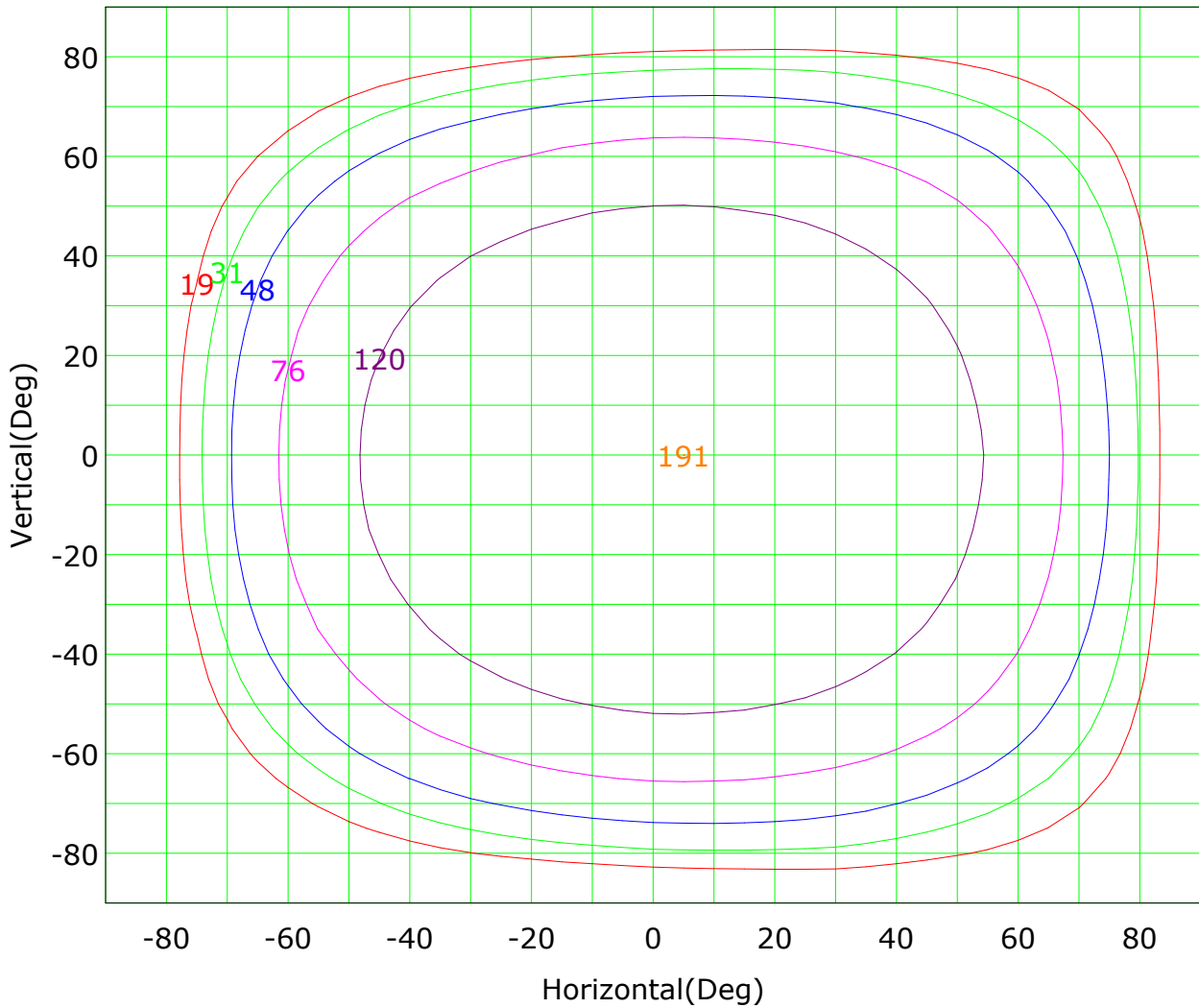
Spacing Criteria (0-180): 1.32
 Spacing Criteria (90-270): 1.30
 Spacing Criteria (Diagonal): 1.43



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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector:

Isocandela (rectangle)



Imax (100%): 191 cd

- | | |
|------------------|------------------|
| — (10%): 19 cd | — (16%): 31 cd |
| — (25%): 48 cd | — (40%): 76 cd |
| — (63%): 120 cd | — (100%): 191 cd |

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

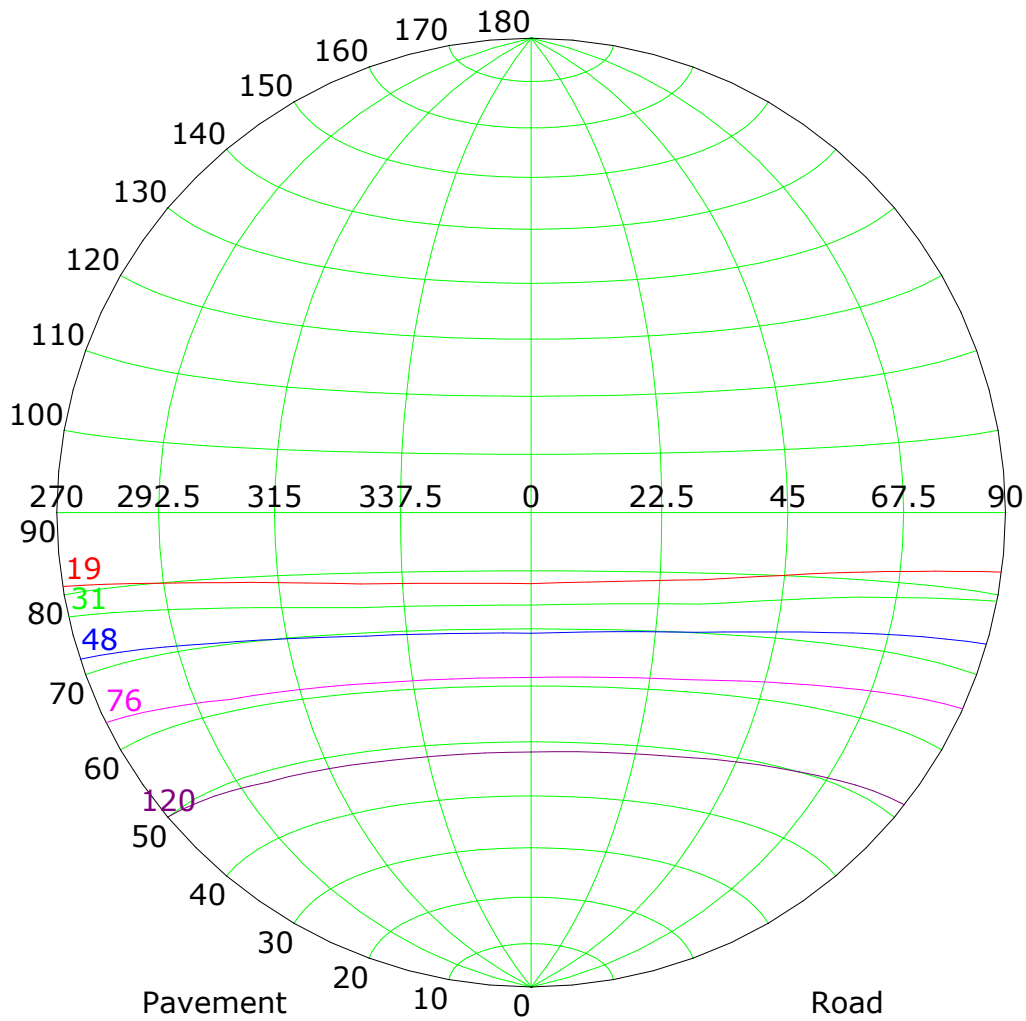
Test Device: GPM-1600L

Distance: 6.935 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 191 cd

— (10%):	19 cd	— (16%):	31 cd
— (25%):	48 cd	— (40%):	76 cd
— (63%):	120 cd	— (100%):	191 cd

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

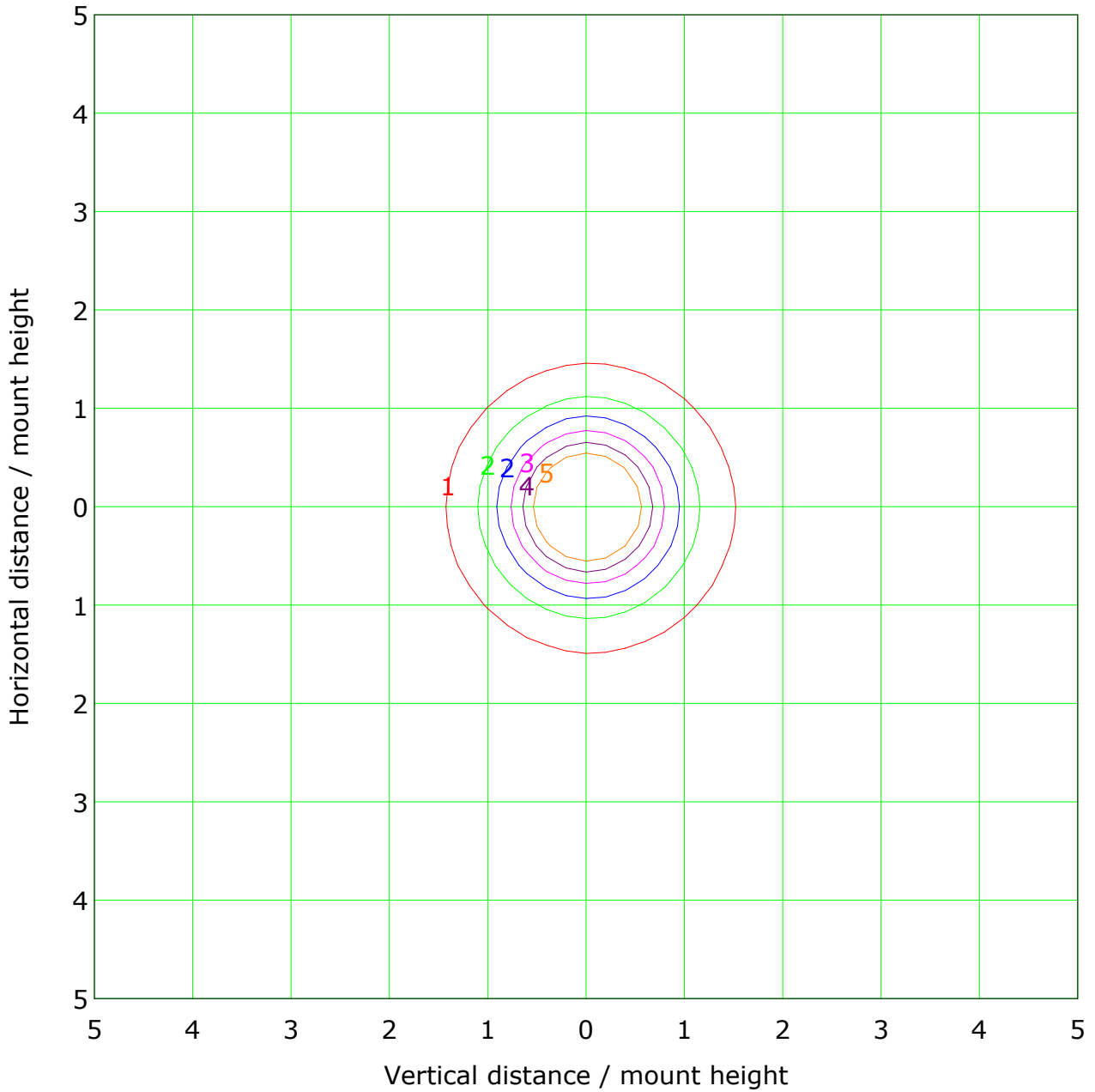
Test Device: GPM-1600L

Distance: 6.935 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 5.0m		Max Lux(100%): 7.6 lx	
<ul style="list-style-type: none"> — (10%): 0.8 lx — (30%): 2.3 lx — (50%): 3.8 lx — (100%): 7.6 lx 	<ul style="list-style-type: none"> — (20%): 1.5 lx — (40%): 3.0 lx — (60%): 4.6 lx 		

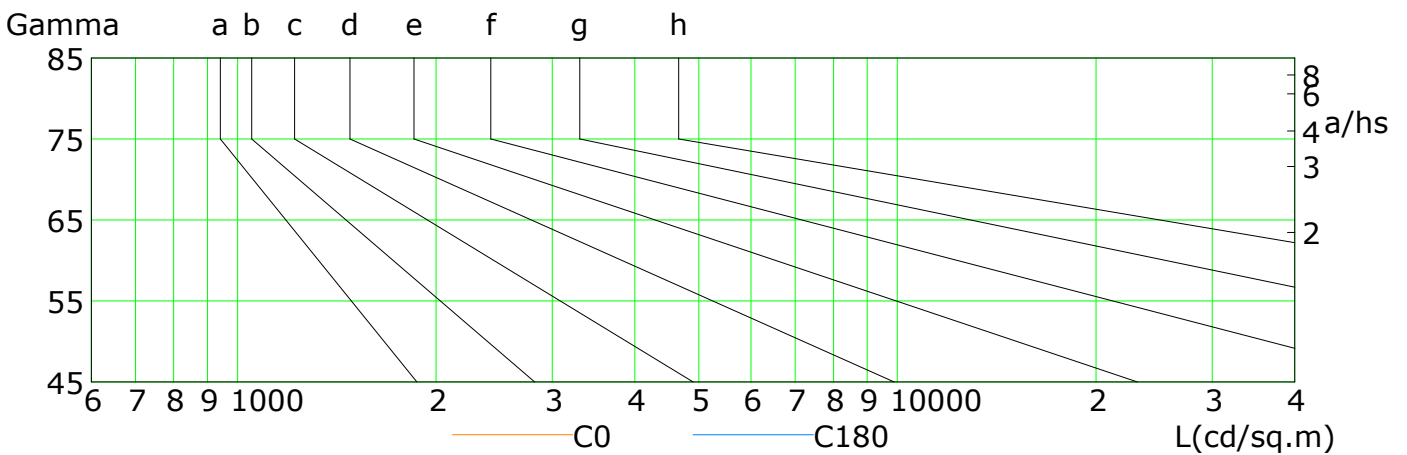
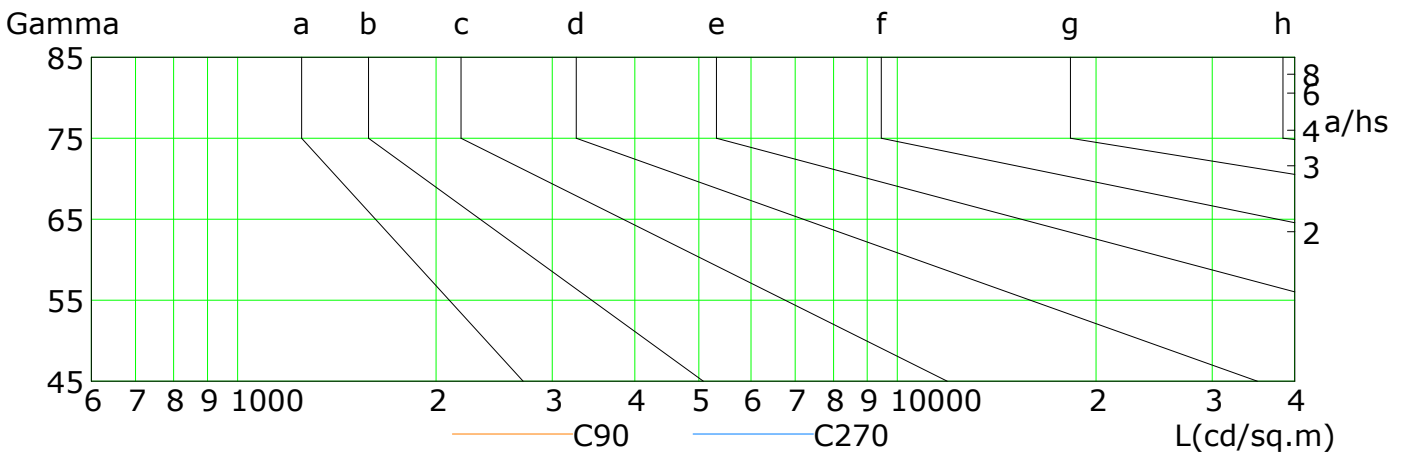
C Plane (°):0.0-360.0: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 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	129	115	99	82	64	45	27	13	4
C90	140	126	111	96	78	61	44	28	12
C180	145	133	118	102	85	67	48	30	14
C270	134	120	105	89	72	54	38	22	7

C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

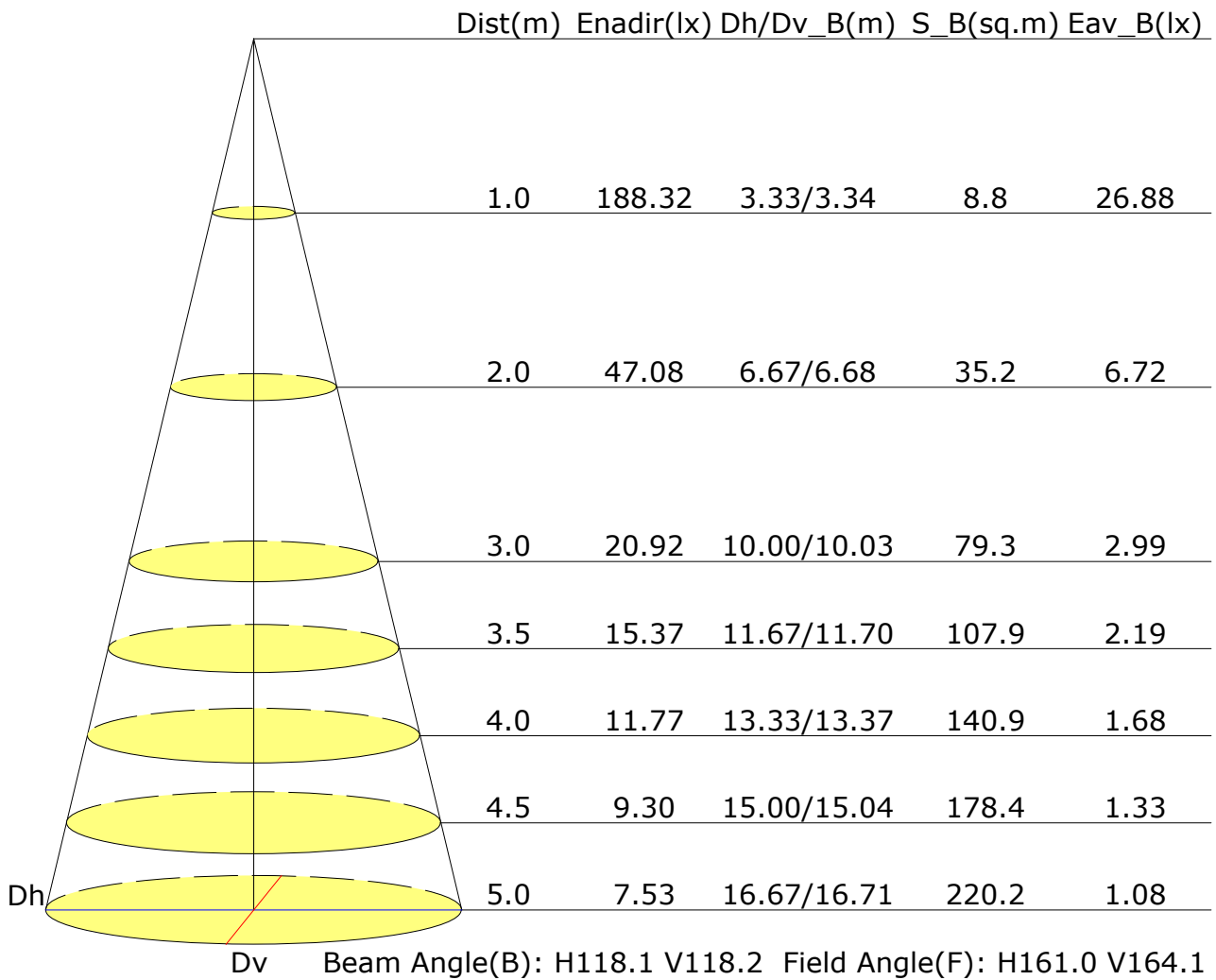
Test Device: GPM-1600L

Distance: 6.935 m

Humidity:

Inspector:

Illuminance at a Distance



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

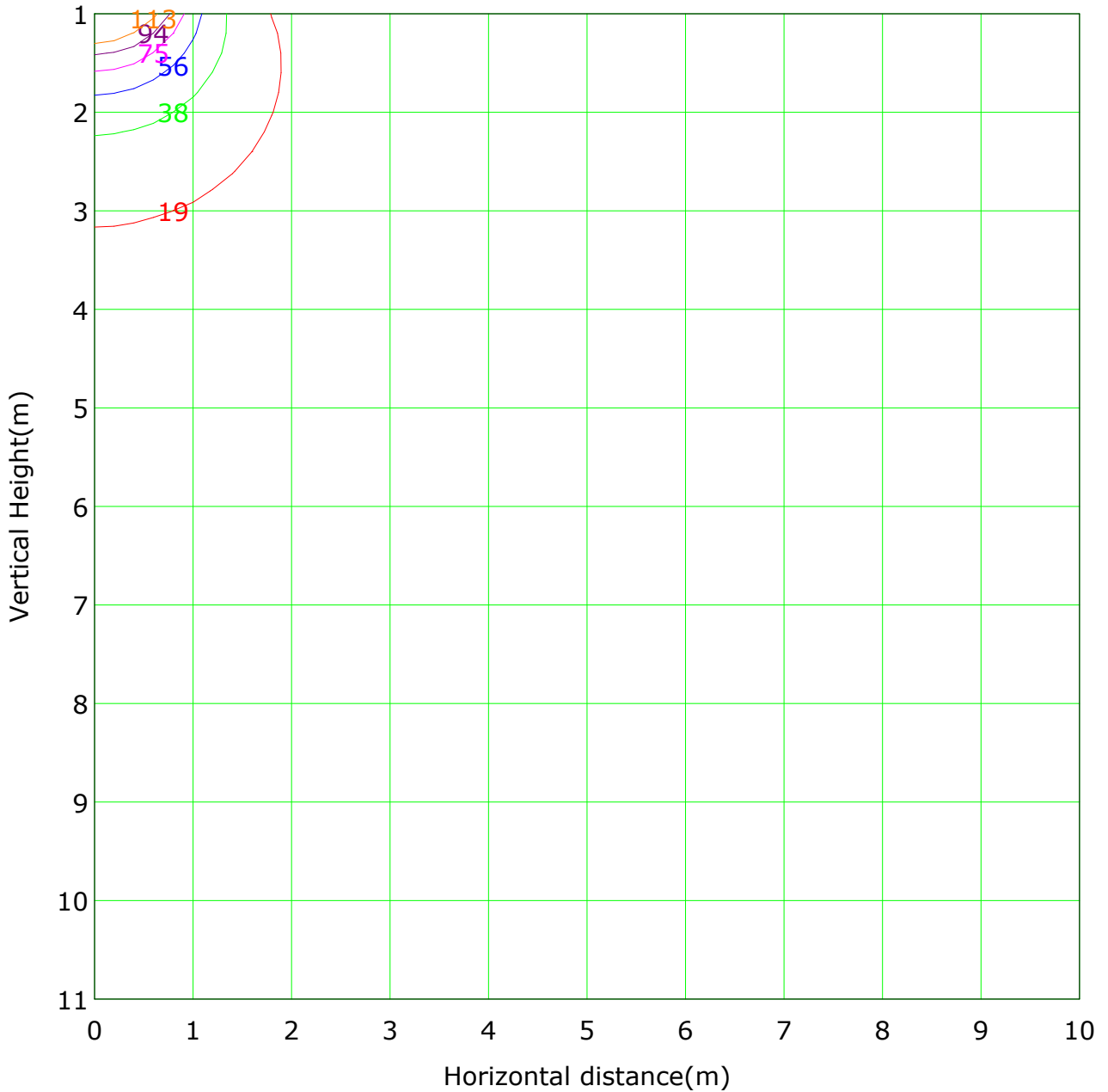
Test Device: GPM-1600L

Distance: 6.935 m

Humidity:

Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 188.3 lx
(10%): 18.8 lx	(20%): 37.7 lx	
(30%): 56.5 lx	(40%): 75.3 lx	
(50%): 94.2 lx	(60%): 113.0 lx	
(100%): 188.3 lx		

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector:

Area Flux Table

Unit: lm

-90	0.0	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.2	0.2	0.1	0.1	0.1	0.0	0.0	0.0	0.0	2.2	0.3		
-80	0.0	0.1	0.2	0.4	0.6	0.8	1.0	1.1	1.2	1.1	1.0	0.8	0.6	0.4	0.2	0.1	0.0	0.0	9.6	8.7		
-70	0.0	0.1	0.4	0.7	1.1	1.5	1.8	2.1	2.2	2.1	1.9	1.6	1.2	0.8	0.4	0.2	0.1	0.0	18.3	18.0		
-60	0.0	0.2	0.5	1.1	1.6	2.2	2.7	3.0	3.2	3.1	2.9	2.4	1.9	1.3	0.7	0.3	0.1	0.0	27.3	27.1		
-50	0.0	0.3	0.7	1.4	2.1	2.8	3.4	3.9	4.1	4.0	3.7	3.2	2.5	1.8	1.1	0.5	0.1	0.0	35.3	35.2		
-40	0.0	0.3	0.9	1.6	2.5	3.3	4.0	4.5	4.7	4.7	4.4	3.8	3.0	2.1	1.3	0.6	0.2	0.0	41.9	41.9		
-30	0.0	0.3	1.0	1.8	2.8	3.7	4.4	5.0	5.2	5.2	4.8	4.2	3.4	2.5	1.5	0.7	0.2	0.0	46.8	46.8		
-20	0.0	0.4	1.1	2.0	3.0	3.9	4.7	5.3	5.5	5.5	5.2	4.5	3.7	2.7	1.6	0.8	0.2	0.0	50.0	50.0		
-10	0.1	0.4	1.1	2.0	3.1	4.1	4.9	5.4	5.7	5.6	5.3	4.7	3.8	2.8	1.7	0.8	0.2	0.0	51.7	51.7		
0	0.1	0.4	1.1	2.1	3.1	4.1	4.9	5.4	5.7	5.7	5.3	4.7	3.8	2.8	1.7	0.8	0.2	0.0	51.9	51.8		
10	0.0	0.4	1.1	2.0	3.0	4.0	4.8	5.3	5.6	5.5	5.2	4.6	3.7	2.7	1.7	0.8	0.2	0.0	50.5	50.4		
20	0.0	0.3	1.0	1.9	2.8	3.8	4.5	5.1	5.3	5.3	4.9	4.3	3.4	2.5	1.5	0.7	0.2	0.0	47.6	47.5		
30	0.0	0.3	0.9	1.7	2.5	3.4	4.1	4.6	4.9	4.8	4.5	3.9	3.1	2.2	1.3	0.6	0.2	0.0	43.0	42.9		
40	0.0	0.3	0.7	1.4	2.2	2.9	3.6	4.0	4.2	4.2	3.8	3.3	2.6	1.8	1.1	0.5	0.1	0.0	36.7	36.6		
50	0.0	0.2	0.6	1.1	1.7	2.3	2.8	3.2	3.4	3.3	3.0	2.6	2.0	1.4	0.8	0.3	0.1	0.0	28.9	28.7		
60	0.0	0.1	0.4	0.8	1.2	1.6	2.0	2.3	2.4	2.3	2.1	1.8	1.3	0.9	0.5	0.2	0.1	0.0	20.0	19.7		
70	0.0	0.1	0.2	0.4	0.7	1.0	1.2	1.3	1.3	1.3	1.2	1.0	0.7	0.4	0.2	0.1	0.0	0.0	11.2	10.4		
80	0.0	0.0	0.1	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.2	0.2	0.1	0.0	0.0	0.0	0.0	3.3	1.2		
90	Flux(T)	0.6	4.3	12.0	22.6	34.5	46.0	55.6	62.1	65.2	64.3	59.6	51.6	41.0	29.1	17.6	8.1	2.2	0.2	576		
	Flux(E)	0.2	3.9	11.5	22.1	34.1	45.6	55.2	61.7	64.8	63.9	59.2	51.2	40.6	28.6	17.0	7.6	1.5	0.0		569	
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)

Gamma Plane (°):0.0-90.0:1.0

Test Device: GPM-1600L

Distance: 6.935 m

Humidity:

Inspector:

C Plane (°):0.0-360.0: 30.0

Test Lab:

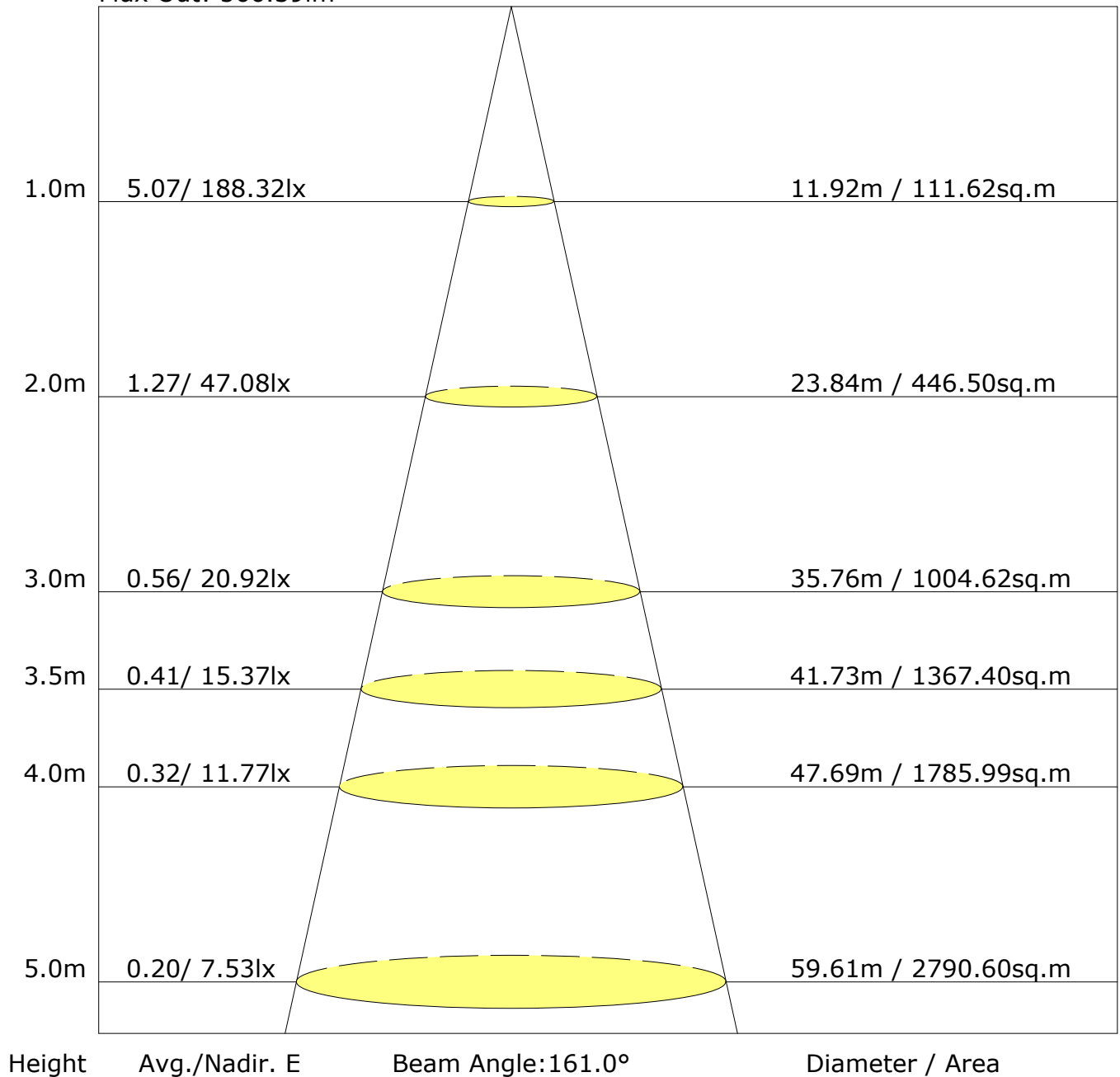
Test Type: TYPE C

Temperature:

Operator:

The Average Illuminance Effective Figure

Flux Out: 566.39lm



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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 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	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=4H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=8H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=12H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
Variations with the observer position at spacings:										
S=1.0H	-1.\$/-1.\$					-1.\$/-1.\$				
S=1.5H	-1.\$/-1.\$					-1.\$/-1.\$				
S=2.0H	-1.\$/-1.\$					-1.\$/-1.\$				

Calculate in accordance with CIE Pub.117. The table is revised with 576lm ($8\log(F/F_0) = -1.9$).

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

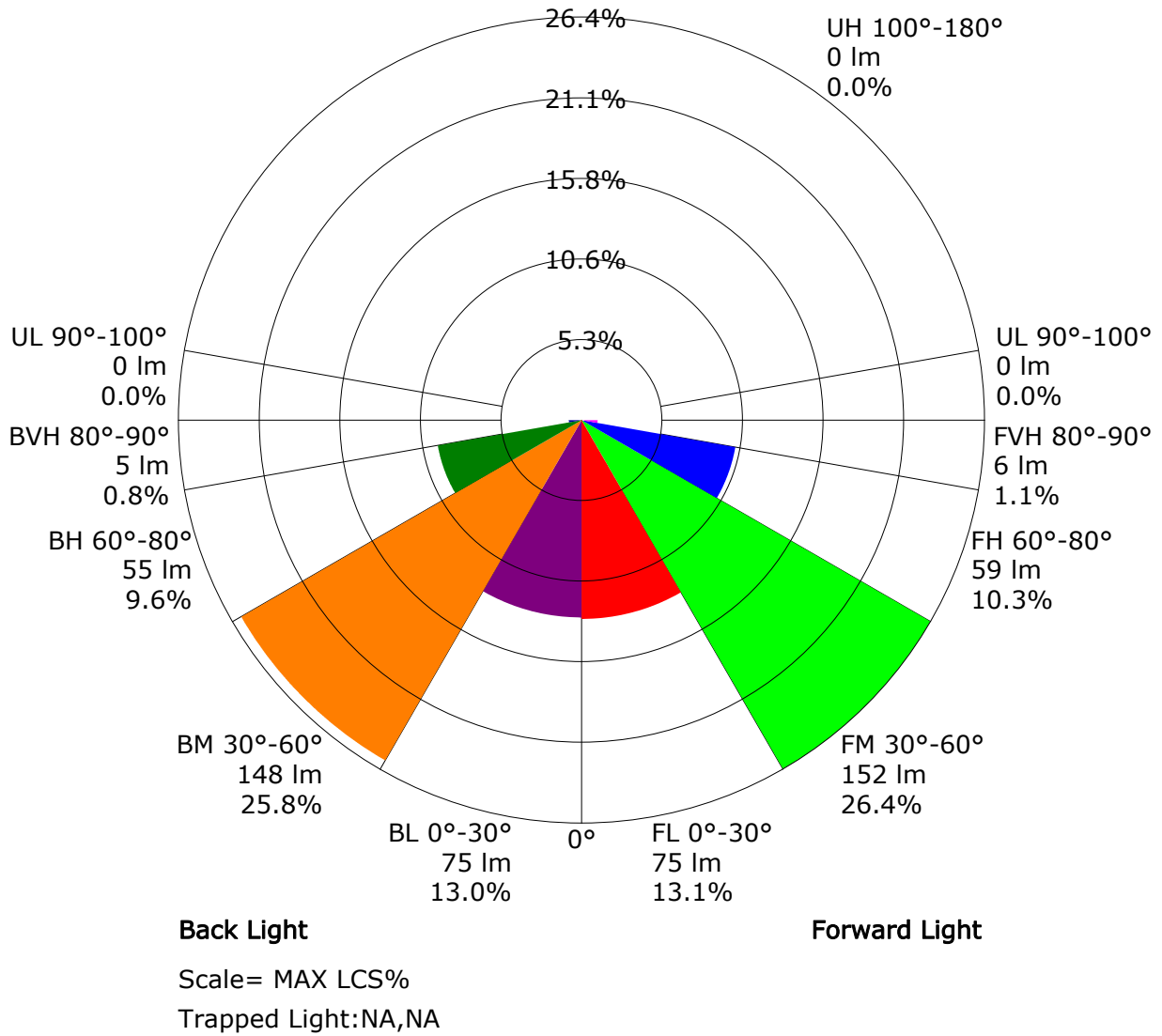
	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	293	50.8
	FL (0°-30°)	75	13.1
	FM (30°-60°)	152	26.4
	FH (60°-80°)	59	10.3
	FVH (80°-90°)	6	1.1
	BACK LIGHT	283	49.2
	BL (0°-30°)	75	13.0
	BM (30°-60°)	148	25.8
	BH (60°-80°)	55	9.6
	BVH (80°-90°)	5	0.8
	UP LIGHT	0	0.0
	UL (90°-100°)	0	0.0
	UH (100°-180°)	0	0.0
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B0 U0 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B0 U0 G0

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector:

LCS Graph



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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.50									
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	0.59	0.68	0.75	0.81	0.88	0.93	0.96	1.01	1.04	
	0.30		0.51	0.60	0.68	0.74	0.82	0.87	0.91	0.96	1.00	
	0.20		0.46	0.54	0.62	0.68	0.77	0.82	0.87	0.93	0.97	
0.50	0.50	0.20	0.57	0.65	0.73	0.78	0.85	0.89	0.92	0.97	0.99	
	0.30		0.51	0.59	0.66	0.72	0.79	0.85	0.88	0.93	0.96	
	0.20		0.46	0.54	0.61	0.67	0.75	0.81	0.85	0.90	0.94	
0.30	0.50	0.20	0.56	0.64	0.71	0.75	0.82	0.86	0.89	0.93	0.96	
	0.30		0.50	0.58	0.65	0.70	0.77	0.82	0.86	0.90	0.93	
	0.20		0.45	0.53	0.61	0.66	0.74	0.79	0.83	0.88	0.91	
0.00	0.00	0.00	0.43	0.51	0.58	0.63	0.70	0.75	0.79	0.83	0.86	
<p>Rating:10W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector:

Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.50									
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	0.96	0.82	0.69	0.60	0.48	0.40	0.34	0.27	0.22	
	0.30		0.80	0.70	0.60	0.53	0.43	0.37	0.32	0.25	0.21	
	0.20		0.69	0.61	0.53	0.48	0.40	0.34	0.29	0.24	0.20	
0.50	0.50	0.20	0.93	0.79	0.66	0.58	0.46	0.41	0.33	0.25	0.20	
	0.30		0.79	0.68	0.59	0.52	0.42	0.35	0.30	0.24	0.20	
	0.20		0.68	0.60	0.52	0.47	0.39	0.33	0.29	0.23	0.19	
0.30	0.50	0.20	0.90	0.76	0.64	0.55	0.44	0.36	0.31	0.24	0.20	
	0.30		0.77	0.67	0.57	0.50	0.40	0.34	0.29	0.23	0.19	
	0.20		0.67	0.59	0.52	0.46	0.38	0.32	0.28	0.22	0.18	
0.00	0.00	0.00	0.57	0.50	0.42	0.37	0.30	0.25	0.22	0.17	0.14	
<p>Rating:10W 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>												

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector:

Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.50								
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	0.16	0.18	0.18	0.19	0.20	0.20	0.21	0.21	0.22
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	0.06	0.08	0.09	0.11	0.13	0.14	0.16	0.17
0.50	0.50	0.20	0.15	0.17	0.18	0.18	0.19	0.20	0.20	0.21	0.21
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19
	0.20		0.05	0.06	0.08	0.09	0.11	0.12	0.14	0.15	0.16
0.30	0.50	0.20	0.15	0.16	0.17	0.18	0.18	0.19	0.19	0.20	0.20
	0.30		0.09	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18
	0.20		0.05	0.06	0.08	0.09	0.11	0.12	0.13	0.15	0.16
0.00	0.00	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA

Rating:10W 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: 30.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 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	188.7	0.2	0.2	0.03	0.03
1.0-2.0	188.6	0.5	0.7	0.09	0.13
2.0-3.0	188.5	0.9	1.6	0.16	0.28
3.0-4.0	188.3	1.3	2.9	0.22	0.50
4.0-5.0	188.2	1.6	4.5	0.28	0.78
5.0-6.0	187.8	2.0	6.5	0.34	1.12
6.0-7.0	187.5	2.3	8.8	0.40	1.53
7.0-8.0	187.3	2.7	11.5	0.47	1.99
8.0-9.0	186.8	3.0	14.5	0.53	2.52
9.0-10.0	186.4	3.4	17.9	0.59	3.10
10.0-11.0	186.1	3.7	21.6	0.65	3.75
11.0-12.0	185.7	4.1	25.7	0.70	4.45
12.0-13.0	185.1	4.4	30.1	0.76	5.21
13.0-14.0	184.3	4.7	34.8	0.82	6.03
14.0-15.0	183.5	5.0	39.8	0.87	6.91
15.0-16.0	183.0	5.4	45.2	0.93	7.84
16.0-17.0	182.3	5.7	50.9	0.99	8.82
17.0-18.0	181.5	6.0	56.8	1.04	9.86
18.0-19.0	180.7	6.3	63.1	1.09	10.95
19.0-20.0	179.8	6.6	69.7	1.14	12.09
20.0-21.0	179.0	6.9	76.6	1.19	13.29
21.0-22.0	178.1	7.2	83.7	1.24	14.53
22.0-23.0	176.9	7.4	91.2	1.29	15.82
23.0-24.0	175.8	7.7	98.9	1.33	17.15
24.0-25.0	174.7	7.9	106.8	1.38	18.53
25.0-26.0	173.6	8.2	115.0	1.42	19.95
26.0-27.0	172.4	8.4	123.4	1.46	21.41
27.0-28.0	170.9	8.7	132.1	1.50	22.91
28.0-29.0	169.5	8.9	141.0	1.54	24.45
29.0-30.0	168.0	9.1	150.0	1.57	26.03
30.0-31.0	166.5	9.3	159.3	1.61	27.63
31.0-32.0	165.0	9.5	168.7	1.64	29.27
32.0-33.0	163.4	9.6	178.4	1.67	30.94
33.0-34.0	161.5	9.8	188.1	1.70	32.64
34.0-35.0	159.7	9.9	198.1	1.72	34.36
35.0-36.0	157.9	10.1	208.1	1.74	36.11

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	156.0	10.2	218.3	1.77	37.87
37.0-38.0	153.9	10.3	228.6	1.78	39.65
38.0-39.0	151.7	10.4	238.9	1.80	41.45
39.0-40.0	149.7	10.4	249.4	1.81	43.26
40.0-41.0	147.5	10.5	259.9	1.82	45.09
41.0-42.0	145.3	10.6	270.4	1.83	46.92
42.0-43.0	142.9	10.6	281.0	1.84	48.75
43.0-44.0	140.5	10.6	291.6	1.84	50.59
44.0-45.0	137.9	10.6	302.2	1.84	52.43
45.0-46.0	135.3	10.6	312.8	1.84	54.27
46.0-47.0	132.7	10.6	323.4	1.83	56.10
47.0-48.0	129.9	10.5	333.9	1.82	57.92
48.0-49.0	127.2	10.4	344.3	1.81	59.73
49.0-50.0	124.5	10.4	354.7	1.80	61.53
50.0-51.0	121.4	10.3	365.0	1.78	63.32
51.0-52.0	118.3	10.2	375.1	1.76	65.08
52.0-53.0	115.3	10.0	385.2	1.74	66.82
53.0-54.0	112.4	9.9	395.1	1.72	68.54
54.0-55.0	109.2	9.8	404.8	1.69	70.23
55.0-56.0	105.9	9.6	414.4	1.66	71.89
56.0-57.0	102.7	9.4	423.8	1.63	73.52
57.0-58.0	99.6	9.2	433.0	1.60	75.12
58.0-59.0	96.3	9.0	442.0	1.56	76.68
59.0-60.0	92.9	8.8	450.8	1.52	78.20
60.0-61.0	89.6	8.5	459.3	1.48	79.68
61.0-62.0	86.2	8.3	467.6	1.44	81.12
62.0-63.0	82.9	8.1	475.7	1.40	82.52
63.0-64.0	79.4	7.8	483.5	1.35	83.87
64.0-65.0	75.9	7.5	491.0	1.30	85.18
65.0-66.0	72.5	7.2	498.2	1.26	86.43
66.0-67.0	68.9	6.9	505.1	1.20	87.63
67.0-68.0	65.3	6.6	511.8	1.15	88.78
68.0-69.0	61.7	6.3	518.1	1.09	89.87
69.0-70.0	58.1	6.0	524.0	1.04	90.91
70.0-71.0	54.7	5.7	529.7	0.98	91.89
71.0-72.0	51.0	5.3	535.0	0.92	92.81

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 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	47.4	5.0	539.9	0.86	93.67
73.0-74.0	43.9	4.6	544.6	0.80	94.47
74.0-75.0	40.4	4.3	548.8	0.74	95.21
75.0-76.0	37.1	3.9	552.8	0.68	95.90
76.0-77.0	33.8	3.6	556.4	0.63	96.52
77.0-78.0	30.5	3.3	559.6	0.57	97.09
78.0-79.0	27.5	3.0	562.6	0.51	97.60
79.0-80.0	24.6	2.6	565.3	0.46	98.06
80.0-81.0	21.7	2.3	567.6	0.41	98.47
81.0-82.0	19.0	2.1	569.7	0.36	98.83
82.0-83.0	16.4	1.8	571.4	0.31	99.14
83.0-84.0	13.7	1.5	572.9	0.26	99.40
84.0-85.0	11.0	1.2	574.1	0.21	99.60
85.0-86.0	8.2	0.9	575.0	0.16	99.76
86.0-87.0	5.7	0.6	575.7	0.11	99.87
87.0-88.0	3.7	0.4	576.1	0.07	99.94
88.0-89.0	2.2	0.2	576.3	0.04	99.98
89.0-90.0	1.1	0.1	576.4	0.02	100.00

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector:

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	188.3	188.3	187.6	190.0	189.9	189.1	188.3	188.3	187.6	190.0
G1.0	188.3	187.7	188.2	188.3	188.9	188.1	188.4	188.4	188.2	188.4
G2.0	187.6	187.9	187.8	189.3	188.2	189.9	189.5	187.9	188.9	188.3
G3.0	187.8	187.8	187.5	189.6	188.9	189.8	188.5	188.0	187.7	188.6
G4.0	188.5	187.6	187.9	189.2	188.8	189.2	188.7	188.6	188.5	187.1
G5.0	186.6	187.3	189.4	187.3	187.5	189.7	190.8	187.9	187.7	187.8
G6.0	186.9	187.1	187.8	187.4	188.7	187.5	188.1	187.4	188.0	186.6
G7.0	186.5	186.5	186.5	187.2	188.5	189.3	188.1	187.5	188.0	186.6
G8.0	186.2	186.9	186.9	186.7	187.1	189.4	187.6	188.4	186.3	186.5
G9.0	185.2	186.6	185.9	186.3	188.8	188.4	187.8	187.1	186.5	185.5
G10.0	184.9	185.3	186.3	187.0	186.7	188.9	187.2	186.8	185.9	185.5
G11.0	183.6	184.8	185.8	186.3	188.2	187.0	187.8	186.6	186.4	184.4
G12.0	183.5	184.5	184.3	186.1	186.8	187.2	187.7	187.2	185.5	184.1
G13.0	183.0	183.4	184.1	185.0	187.3	187.5	186.4	185.4	184.2	183.6
G14.0	182.6	182.4	183.3	184.7	184.5	187.2	185.4	184.9	183.6	182.4
G15.0	181.4	182.3	183.2	185.4	184.1	185.8	185.0	184.7	183.4	182.0
G16.0	180.6	181.6	182.1	183.9	184.3	185.7	184.8	183.8	183.2	181.0
G17.0	180.4	180.3	181.0	183.0	184.1	183.9	184.0	183.2	182.2	180.3
G18.0	179.2	179.0	180.2	180.9	184.5	184.5	183.9	182.2	180.6	179.4
G19.0	178.6	179.3	179.2	180.6	183.4	183.9	182.9	182.2	179.9	180.0
G20.0	176.8	177.6	178.3	179.2	181.4	182.8	182.4	181.1	179.3	178.2
G21.0	175.9	177.0	177.4	179.2	181.7	181.8	181.8	181.2	178.2	178.1
G22.0	174.2	174.9	176.5	179.5	180.4	180.8	180.6	179.5	177.5	176.3
G23.0	173.4	174.1	175.4	177.2	179.4	180.1	179.1	178.1	176.5	174.2
G24.0	172.2	173.1	174.0	176.7	178.0	179.5	178.5	177.3	175.2	173.7
G25.0	171.1	172.1	173.4	175.3	176.6	178.4	178.5	176.3	174.0	173.6
G26.0	169.7	171.4	171.8	174.0	176.7	177.4	176.1	175.6	173.9	170.9
G27.0	168.2	169.2	170.5	172.3	174.3	177.1	175.5	174.1	172.1	171.2
G28.0	166.8	167.1	168.8	171.0	172.5	175.2	174.4	172.2	171.2	167.7
G29.0	165.1	165.6	167.6	170.1	172.5	174.1	173.0	171.7	169.5	166.4
G30.0	163.2	163.9	166.6	169.0	171.5	172.4	172.0	170.0	167.5	165.1
G31.0	161.4	162.7	164.1	167.4	169.9	170.8	170.8	168.9	166.6	164.1
G32.0	159.3	160.9	162.6	166.2	168.0	170.5	170.2	167.2	164.4	161.7
G33.0	158.0	158.6	160.6	163.5	167.4	167.9	167.3	165.9	164.4	160.1
G34.0	156.1	156.7	159.9	163.1	164.4	166.9	166.4	163.8	160.9	158.9
G35.0	153.9	154.5	157.3	160.9	163.8	163.9	165.2	162.0	158.7	156.5
G36.0	151.1	152.9	155.7	158.8	160.3	163.9	163.2	161.0	157.6	155.4

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 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	149.7	150.7	152.9	156.6	158.9	161.3	161.4	158.7	157.2	152.1
G38.0	148.1	148.2	150.6	154.2	157.6	159.1	159.6	156.4	153.1	151.4
G39.0	144.9	146.1	148.4	152.7	156.3	156.8	158.2	154.6	150.7	149.1
G40.0	142.8	143.4	146.7	150.6	153.6	156.2	155.8	154.4	148.8	146.6
G41.0	140.2	141.3	144.5	148.8	152.6	154.0	153.9	150.7	146.6	144.2
G42.0	137.7	138.4	142.0	147.9	150.2	151.7	152.4	148.6	145.0	141.2
G43.0	134.9	135.7	139.1	144.5	147.5	148.7	150.2	146.1	141.9	139.4
G44.0	132.5	133.4	137.8	142.9	144.9	147.0	147.2	144.2	140.4	135.9
G45.0	129.5	130.9	134.8	139.5	143.4	143.9	144.6	141.3	137.3	134.1
G46.0	127.0	127.8	131.4	138.1	140.6	142.1	142.6	138.7	135.3	132.0
G47.0	124.3	125.7	128.9	134.6	136.9	140.1	140.4	136.3	132.2	129.1
G48.0	120.7	121.8	126.3	131.1	134.7	136.9	137.9	133.8	129.2	125.8
G49.0	117.5	119.3	123.3	128.5	132.8	134.9	135.3	131.3	128.1	123.8
G50.0	114.8	116.4	120.2	126.0	130.2	131.7	132.9	128.6	124.5	120.3
G51.0	111.8	113.7	117.1	122.8	126.7	129.0	129.4	125.2	120.6	117.8
G52.0	108.3	110.0	114.4	120.8	124.2	125.4	126.6	122.7	117.7	113.9
G53.0	105.5	107.1	111.3	116.8	120.7	123.1	123.7	120.0	115.6	112.1
G54.0	102.2	103.6	108.1	114.9	118.4	120.2	120.6	116.5	112.2	108.4
G55.0	98.8	100.3	104.9	111.3	114.7	117.3	118.3	113.8	109.1	105.0
G56.0	95.3	96.4	101.5	107.9	112.2	114.2	114.7	110.4	106.2	101.8
G57.0	92.2	93.7	98.0	104.6	109.2	110.6	112.4	107.8	102.4	98.6
G58.0	88.8	90.6	95.6	102.2	105.3	108.0	108.9	104.2	99.6	95.0
G59.0	84.9	86.9	92.2	98.7	102.2	104.2	105.3	101.1	95.8	91.7
G60.0	81.7	83.4	88.5	95.8	99.4	101.3	102.1	97.7	92.6	88.8
G61.0	78.2	79.9	86.0	91.6	95.3	97.3	98.6	94.5	89.5	85.6
G62.0	74.5	77.5	81.6	89.0	92.4	93.7	95.7	91.0	86.4	82.0
G63.0	71.9	73.0	78.5	85.6	89.3	91.1	92.8	87.8	83.1	78.8
G64.0	67.3	69.5	74.9	81.3	85.7	87.6	88.5	84.7	79.5	74.6
G65.0	63.9	66.3	71.8	78.2	81.9	84.4	85.3	81.3	75.9	71.9
G66.0	60.5	63.1	68.2	74.6	79.0	80.3	82.2	77.7	72.7	67.8
G67.0	56.0	59.1	65.0	71.1	74.3	77.1	78.0	73.9	68.9	64.3
G68.0	52.3	55.7	61.3	68.0	71.6	73.7	74.5	70.8	65.8	61.2
G69.0	48.4	51.5	57.8	64.2	68.0	70.2	70.2	67.2	62.3	57.3
G70.0	44.9	48.1	54.3	60.8	65.0	66.9	66.6	63.2	58.8	54.4
G71.0	41.3	44.3	51.2	57.5	61.7	62.8	63.0	59.3	55.5	50.8
G72.0	37.5	40.3	47.7	53.9	57.8	58.3	59.0	55.1	51.8	47.6
G73.0	34.0	36.8	44.8	50.9	54.1	55.0	55.2	51.6	48.9	44.5

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 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	30.9	33.0	41.5	47.2	51.3	50.4	51.3	47.5	45.1	41.0
G75.0	27.4	29.8	37.9	43.9	47.8	46.6	47.7	43.5	42.0	37.5
G76.0	24.1	26.6	34.9	40.8	44.5	43.3	44.0	40.1	38.8	34.6
G77.0	21.0	23.6	31.6	37.5	40.7	39.5	40.1	36.4	35.4	31.5
G78.0	17.9	20.8	28.6	34.2	37.8	36.1	36.6	33.2	32.3	28.2
G79.0	14.8	18.4	25.7	31.3	34.7	32.9	33.4	29.9	29.3	25.2
G80.0	12.6	15.9	22.6	28.0	31.5	29.4	29.8	26.6	26.2	22.2
G81.0	10.9	13.9	19.9	25.0	28.3	26.4	26.7	23.8	23.2	19.2
G82.0	9.3	11.7	17.2	21.9	25.6	23.4	23.3	21.3	20.2	16.3
G83.0	7.7	9.6	14.0	18.9	22.4	20.9	20.3	18.8	17.5	13.3
G84.0	5.8	7.5	10.7	15.6	19.6	18.6	16.6	16.5	14.6	10.2
G85.0	3.7	5.3	7.6	12.0	16.4	16.2	13.7	13.8	11.5	6.9
G86.0	1.0	3.4	4.9	8.7	13.2	13.7	11.2	11.1	8.6	3.7
G87.0	0.2	1.2	2.2	5.8	10.1	11.1	8.9	8.3	5.3	1.0
G88.0	0.2	0.3	1.0	1.5	6.9	8.3	6.6	5.3	2.0	0.3
G89.0	0.2	0.3	0.3	0.2	3.9	5.8	4.0	2.3	0.8	0.3
G90.0	0.3	0.3	0.3	0.2	1.4	2.6	0.3	1.1	0.3	0.3

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G0.0	189.9	189.1	188.3						
G1.0	189.6	188.9	188.3						
G2.0	189.4	189.4	187.6						
G3.0	186.9	188.4	187.8						
G4.0	187.5	188.4	188.5						
G5.0	187.2	187.7	186.6						
G6.0	186.5	188.5	186.9						
G7.0	187.4	187.4	186.5						
G8.0	186.9	186.9	186.2						
G9.0	184.6	186.0	185.2						
G10.0	184.5	185.8	184.9						
G11.0	184.4	185.1	183.6						
G12.0	185.1	183.6	183.5						
G13.0	184.5	183.3	183.0						
G14.0	181.6	183.5	182.6						
G15.0	180.3	180.8	181.4						
G16.0	181.0	181.3	180.6						
G17.0	180.1	180.1	180.4						
G18.0	179.4	178.7	179.2						
G19.0	176.9	177.5	178.6						
G20.0	177.2	177.4	176.8						
G21.0	175.4	176.0	175.9						
G22.0	174.3	175.6	174.2						
G23.0	173.5	173.8	173.4						
G24.0	173.4	171.9	172.2						
G25.0	169.6	170.9	171.1						
G26.0	170.7	169.5	169.7						
G27.0	169.1	167.1	168.2						
G28.0	167.3	166.8	166.8						
G29.0	165.9	164.5	165.1						
G30.0	162.6	162.7	163.2						
G31.0	160.6	161.9	161.4						
G32.0	160.4	160.0	159.3						
G33.0	158.0	157.6	158.0						
G34.0	155.1	155.1	156.1						
G35.0	155.3	154.2	153.9						
G36.0	152.9	151.7	151.1						

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G37.0	150.0	150.0	149.7						
G38.0	148.3	147.2	148.1						
G39.0	144.8	145.2	144.9						
G40.0	143.1	141.9	142.8						
G41.0	139.9	140.4	140.2						
G42.0	138.3	137.5	137.7						
G43.0	136.4	134.7	134.9						
G44.0	133.5	131.8	132.5						
G45.0	129.9	128.1	129.5						
G46.0	127.7	126.5	127.0						
G47.0	124.1	123.5	124.3						
G48.0	121.8	120.7	120.7						
G49.0	118.7	117.9	117.5						
G50.0	115.3	114.9	114.8						
G51.0	112.7	111.3	111.8						
G52.0	108.7	107.9	108.3						
G53.0	105.6	105.6	105.5						
G54.0	103.1	101.6	102.2						
G55.0	100.4	97.9	98.8						
G56.0	95.6	94.3	95.3						
G57.0	92.9	90.9	92.2						
G58.0	89.5	88.5	88.8						
G59.0	86.5	84.5	84.9						
G60.0	82.2	81.3	81.7						
G61.0	79.8	78.2	78.2						
G62.0	75.6	73.9	74.5						
G63.0	72.9	71.1	71.9						
G64.0	69.0	67.6	67.3						
G65.0	65.7	64.3	63.9						
G66.0	63.0	60.6	60.5						
G67.0	59.2	57.0	56.0						
G68.0	55.5	53.3	52.3						
G69.0	51.7	49.0	48.4						
G70.0	49.0	45.7	44.9						
G71.0	45.6	41.7	41.3						
G72.0	42.0	37.8	37.5						
G73.0	39.1	34.2	34.0						

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector:

Candlepower Table (Continue 5)

Unit: cd

G\C	C300.0	C330.0	C360.0						
G74.0	35.4	31.0	30.9						
G75.0	32.7	27.7	27.4						
G76.0	29.6	24.5	24.1						
G77.0	26.3	21.6	21.0						
G78.0	23.5	18.7	17.9						
G79.0	20.8	16.4	14.8						
G80.0	17.8	14.1	12.6						
G81.0	15.0	11.9	10.9						
G82.0	12.1	10.0	9.3						
G83.0	9.6	7.8	7.7						
G84.0	7.1	5.7	5.8						
G85.0	4.4	3.6	3.7						
G86.0	2.0	1.4	1.0						
G87.0	0.5	0.3	0.2						
G88.0	0.3	0.3	0.2						
G89.0	0.3	0.3	0.2						
G90.0	0.3	0.4	0.3						

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

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 6.935 m
 Humidity:
 Inspector: