Report No.: Test Time: 2020-09-12 15:09

Luminaire Property

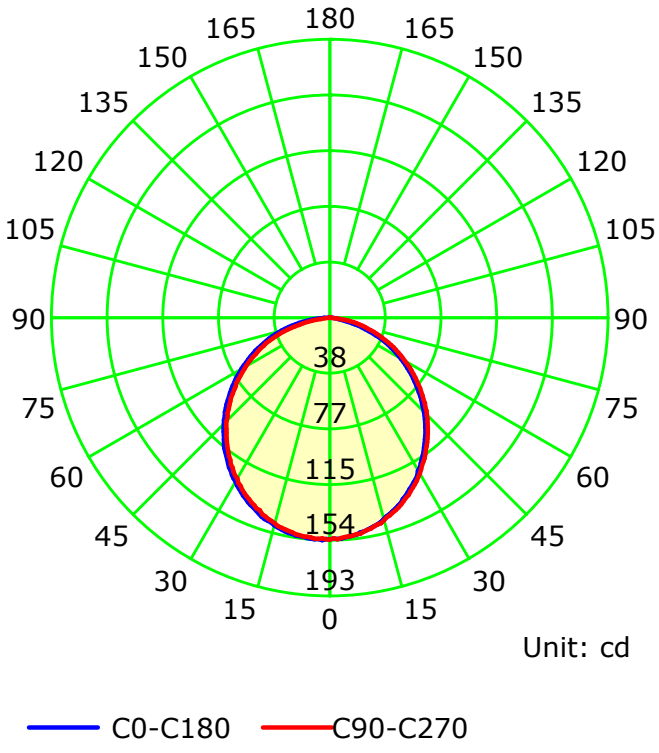
Luminaire Manufacturer: ASD Lighting Corp
Luminaire Description: ASD-LMPJBR-3D6CC-WH-3K
Voltage: 120.3 V Current: 0.067 A
Power: 6.26 W Power Factor: 0.988

Photometric Results

CIE Class: Direct Total Rated Lamp Lumens: 421.2 lm
Measurement Flux: 421.2 lm Efficiency: 100%
Downward Ratio: 100% Upward Ratio: 0%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 158.6, 158.8, 159.7, 159.7
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 108.9, 108.8, 108.8, 109.0
Luminaire Efficacy Rating (LER): 67.33 Central Intensity: 153.73 cd
Max. Intensity: 154.62 cd Pos of Max. Intensity: H180 V2
S/MH(C0/C180): 1.23 S/MH(C90/C270): 1.23

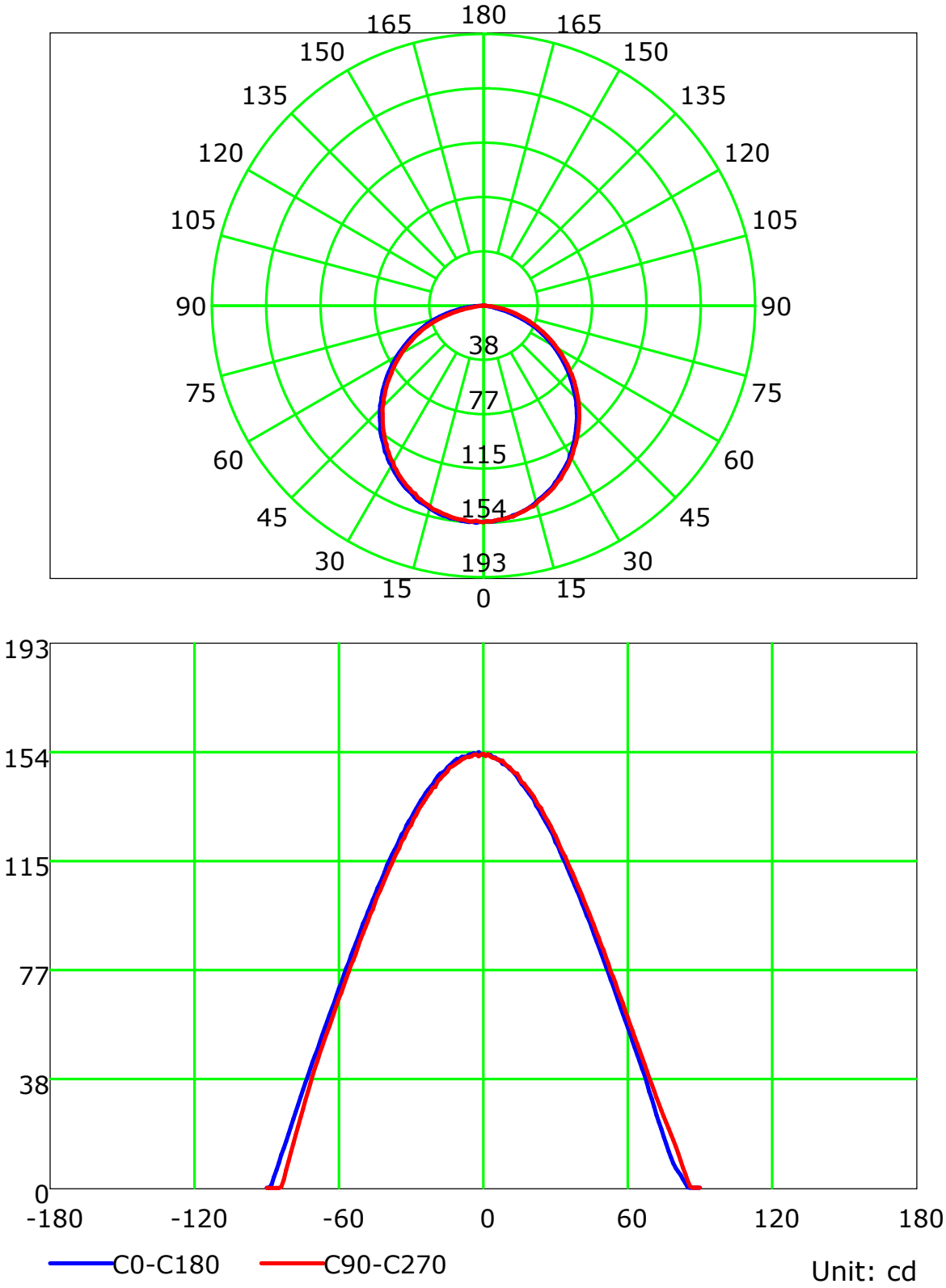
Picture Of Luminaire

Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 30.0 Gamma Plane (°):0.0-90.0:1.0
Test Lab: Test Device: GPM-1600L
Test Type: TYPE C Distance: 6.935 m
Temperature: Humidity:
Operator: Inspector:

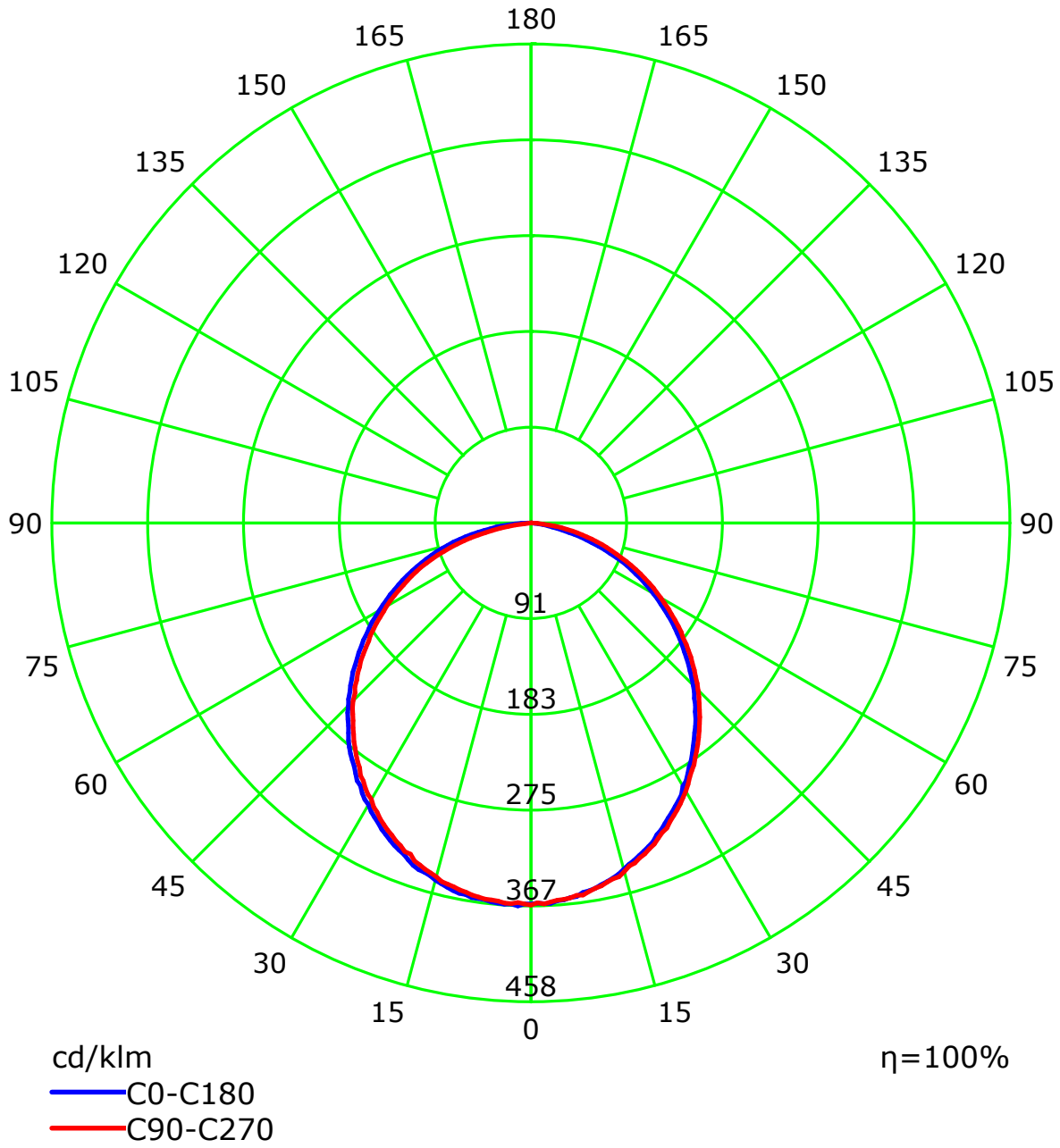
Luminous Intensity Distribution Curve



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:

Luminous Intensity Distribution Curve(cd/klm)



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

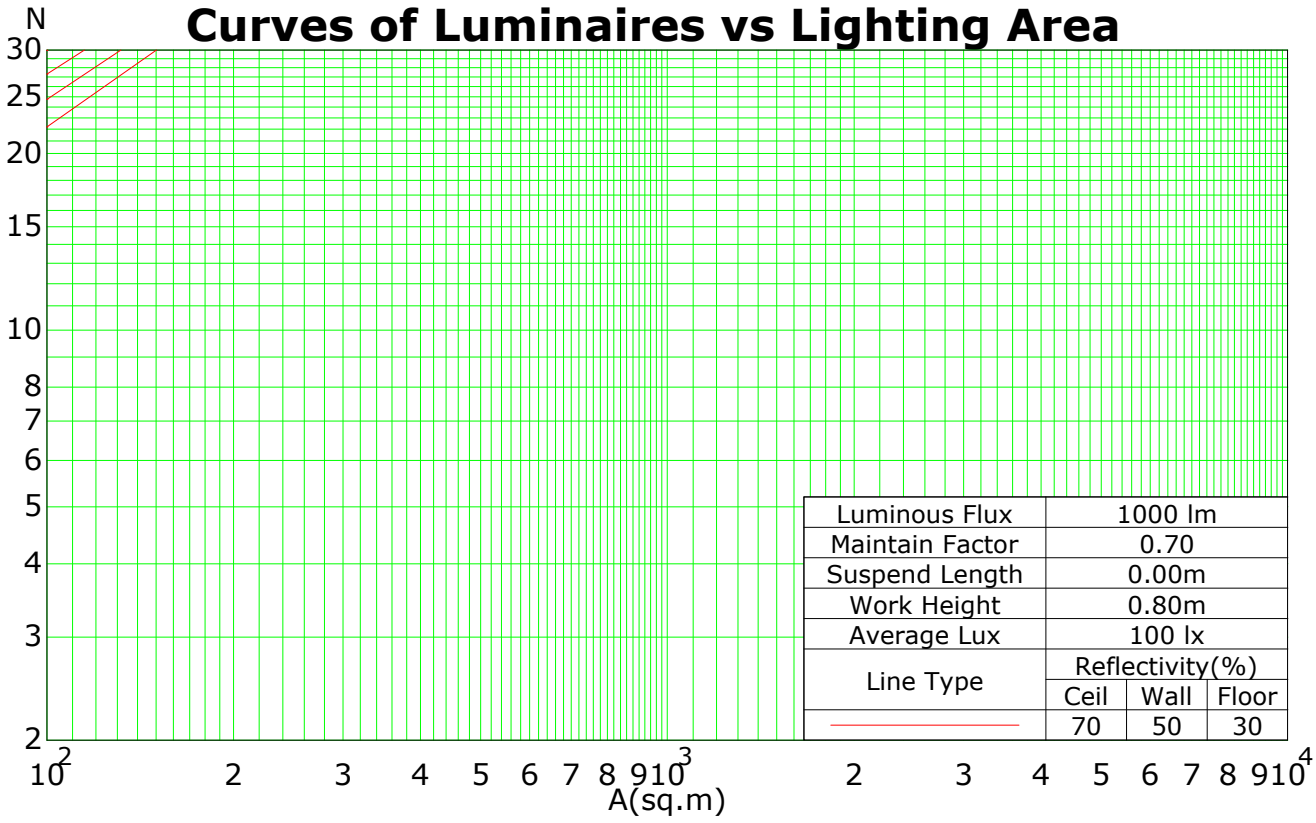
Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 6.935 m
Humidity:
Inspector:

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
RCR	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	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84
2	99	91	84	79	96	89	83	78	85	80	76	82	78	74	79	76	72	70
3	90	80	72	65	88	78	71	65	75	69	64	73	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	65	58	53	62	57	53	51
5	76	63	54	48	74	62	54	47	60	53	47	58	52	46	56	50	46	44
6	70	57	48	42	68	56	48	41	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	63	51	43	37	49	42	36	48	41	36	47	40	36	34
8	61	47	39	33	59	46	38	33	45	38	33	44	37	32	43	37	32	30
9	57	43	35	30	55	43	35	29	42	34	29	41	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	27	38	31	27	37	31	26	25

Spacing Criteria (0-180): 1.23
Spacing Criteria (90-270): 1.23
Spacing Criteria (Diagonal): 1.35

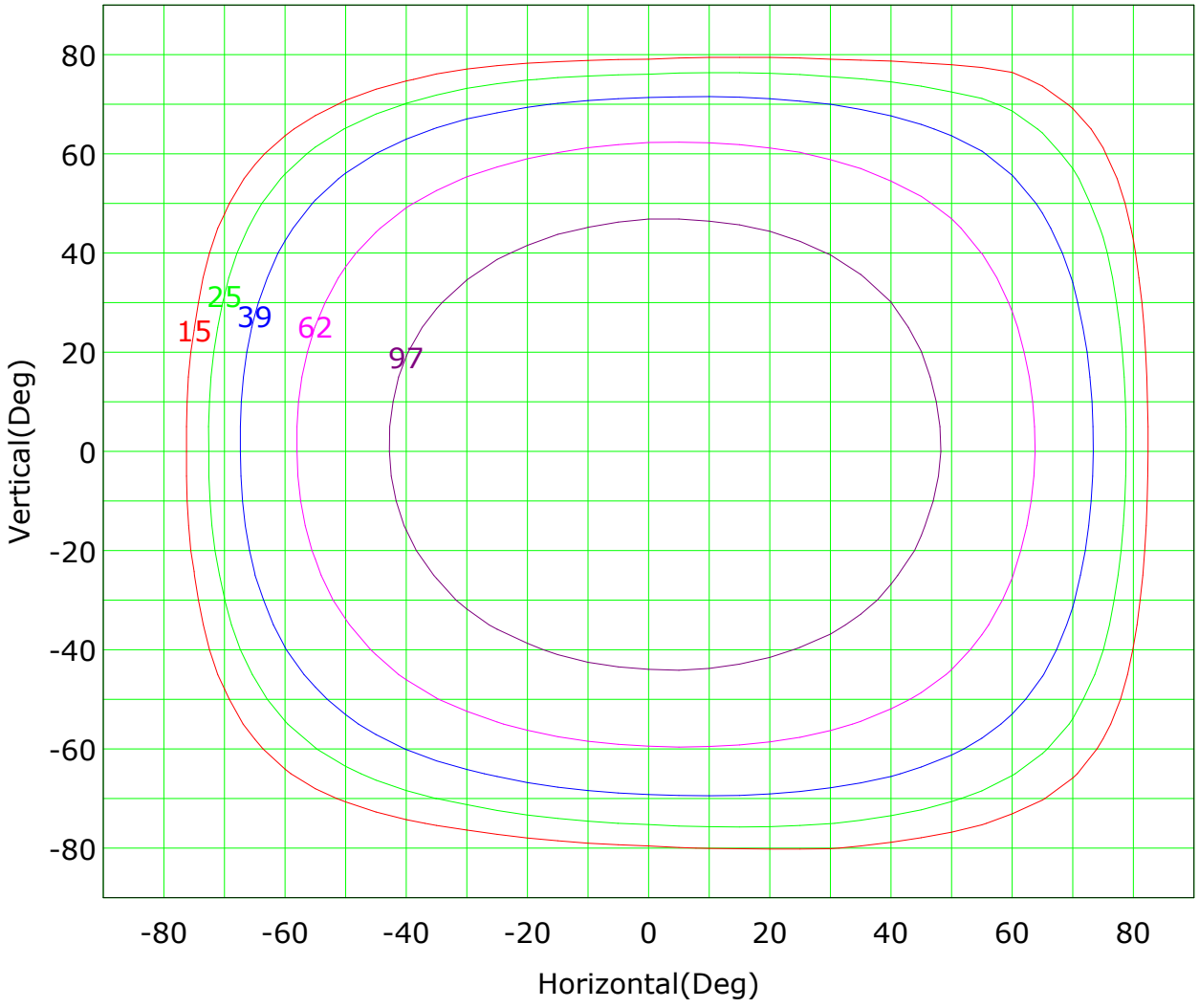
Curves of Luminaires vs Lighting Area



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)



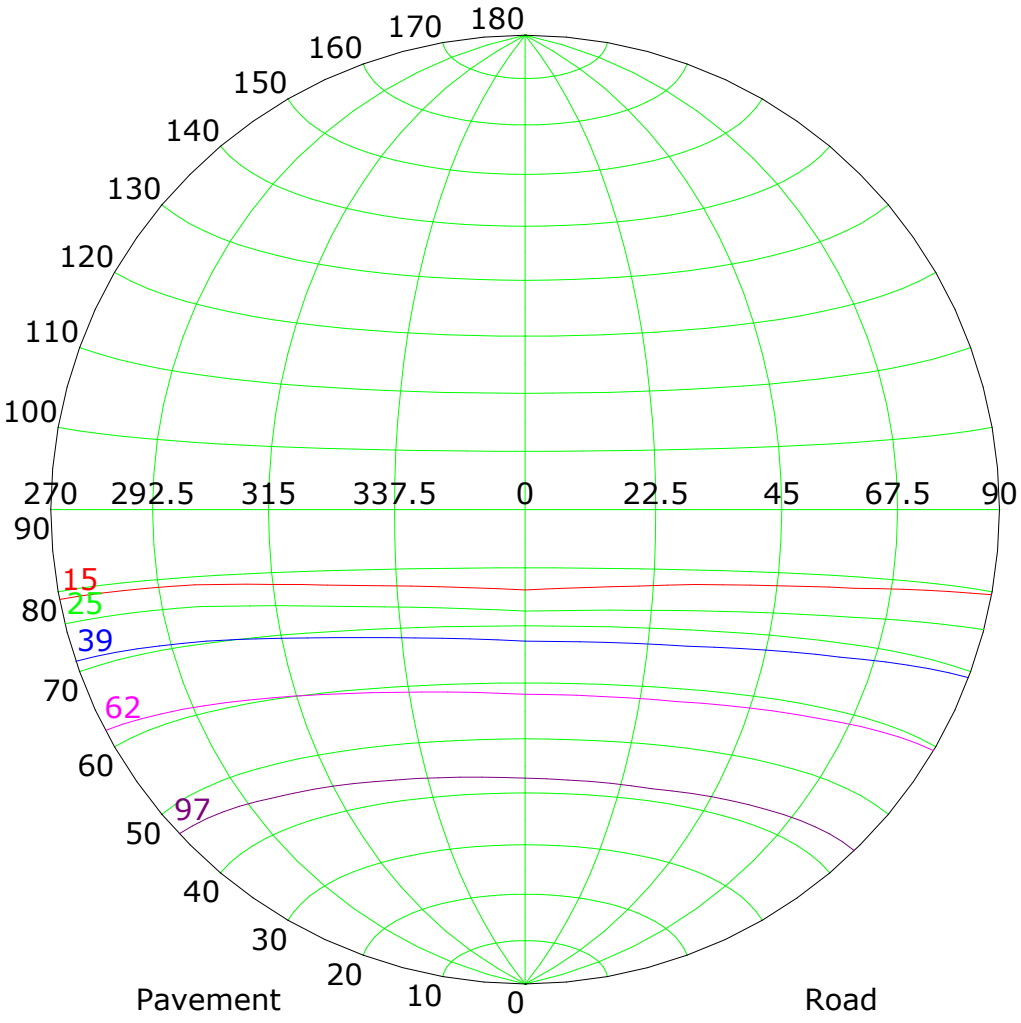
Imax (100%): 155 cd

(10%):	15 cd	(16%):	25 cd
(25%):	39 cd	(40%):	62 cd
(63%):	97 cd	(100%):	155 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)



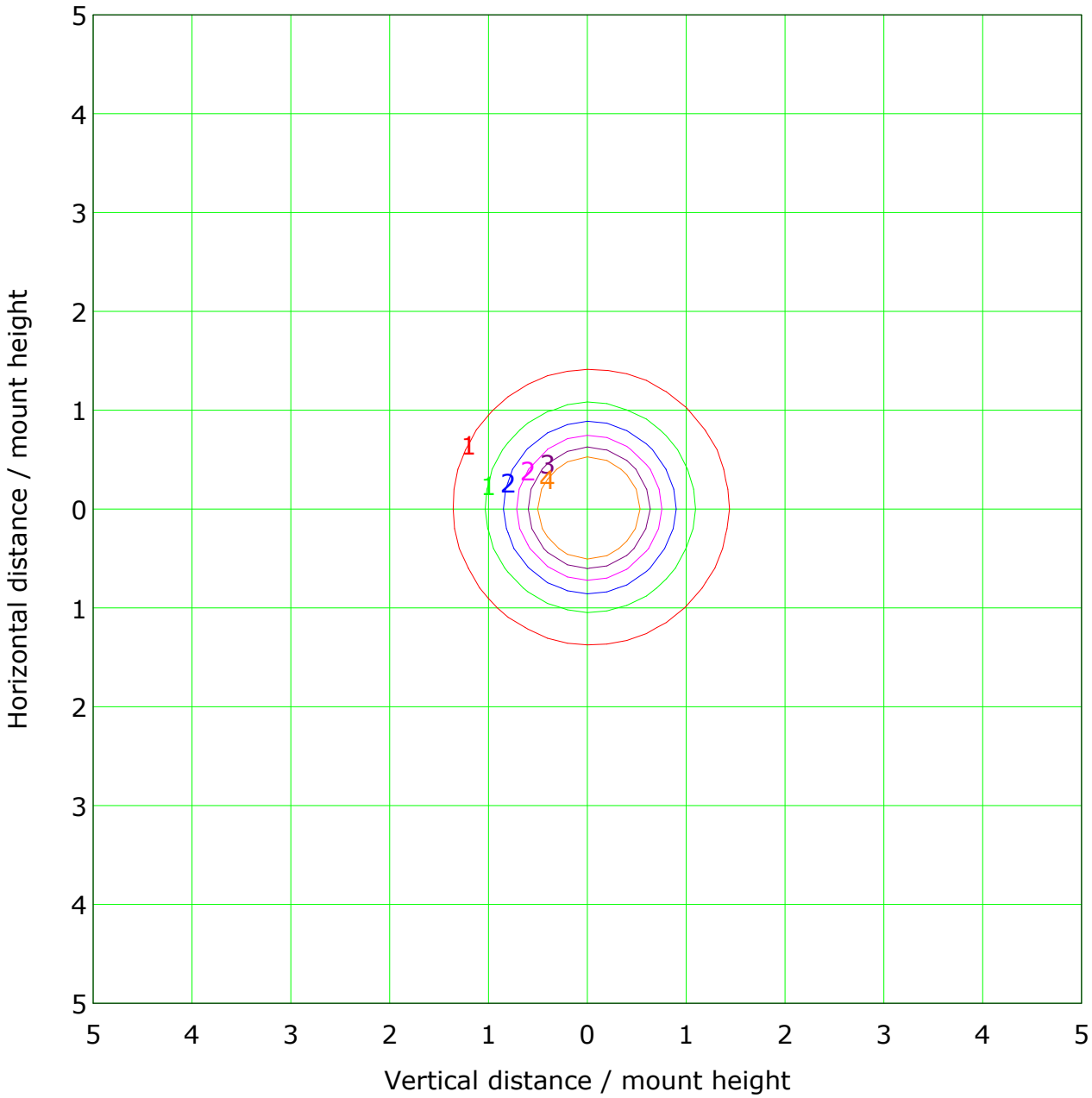
Imax (100%): 155 cd

(10%):	15 cd	(16%):	25 cd
(25%):	39 cd	(40%):	62 cd
(63%):	97 cd	(100%):	155 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%): 6.2 lx

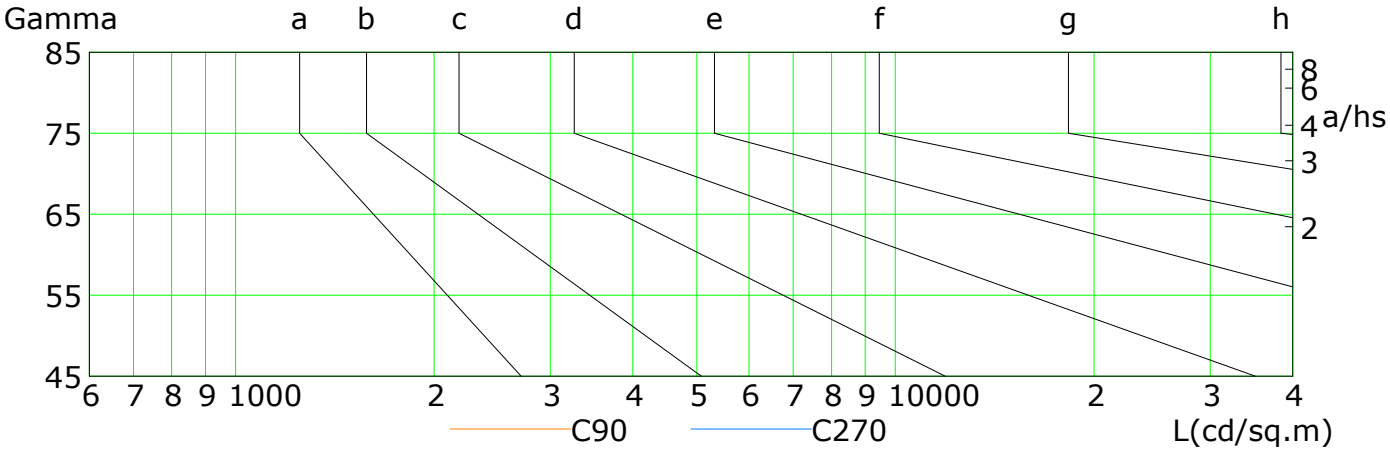
(10%): 0.6 lx	(20%): 1.2 lx
(30%): 1.9 lx	(40%): 2.5 lx
(50%): 3.1 lx	(60%): 3.7 lx
(100%): 6.2 lx	

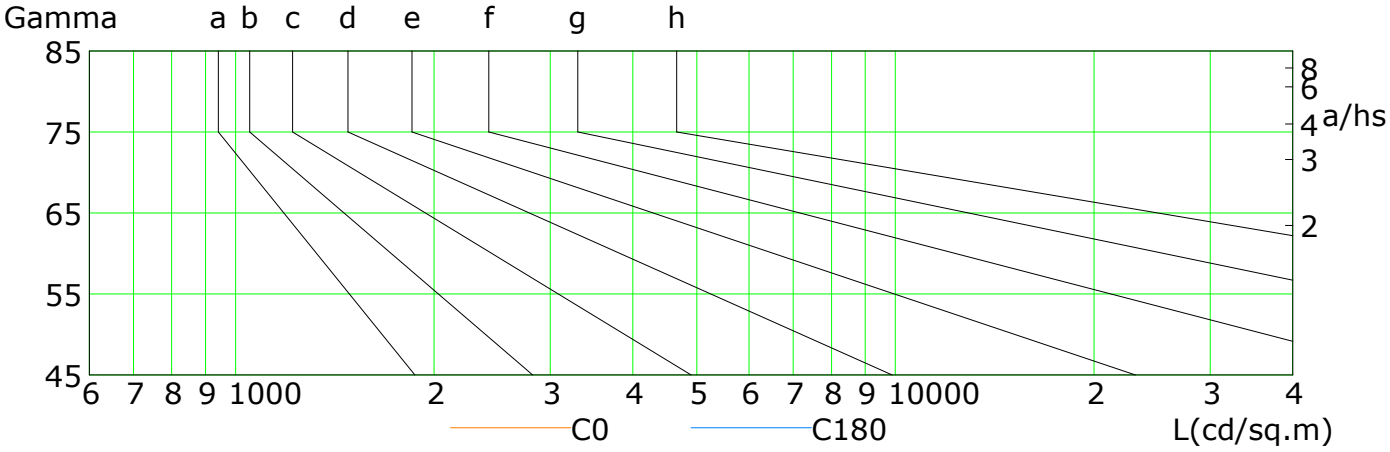
C Plane (°):0.0-360.0: 30.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

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)							
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



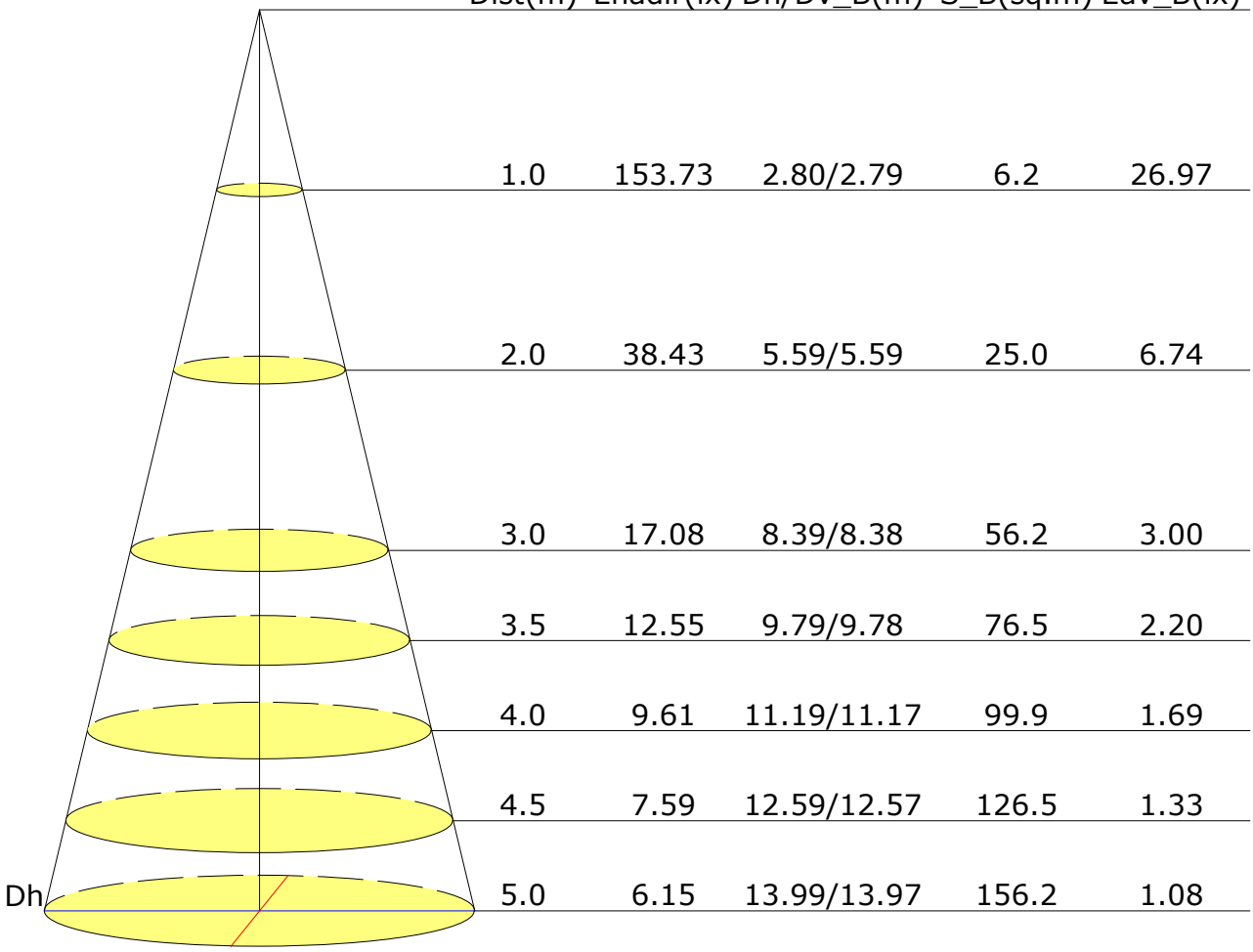


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	93	81	69	57	45	32	18	7	0
C90	95	84	73	61	49	37	25	15	3
C180	104	94	83	71	59	47	35	22	9
C270	102	90	79	67	55	43	28	13	0

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:

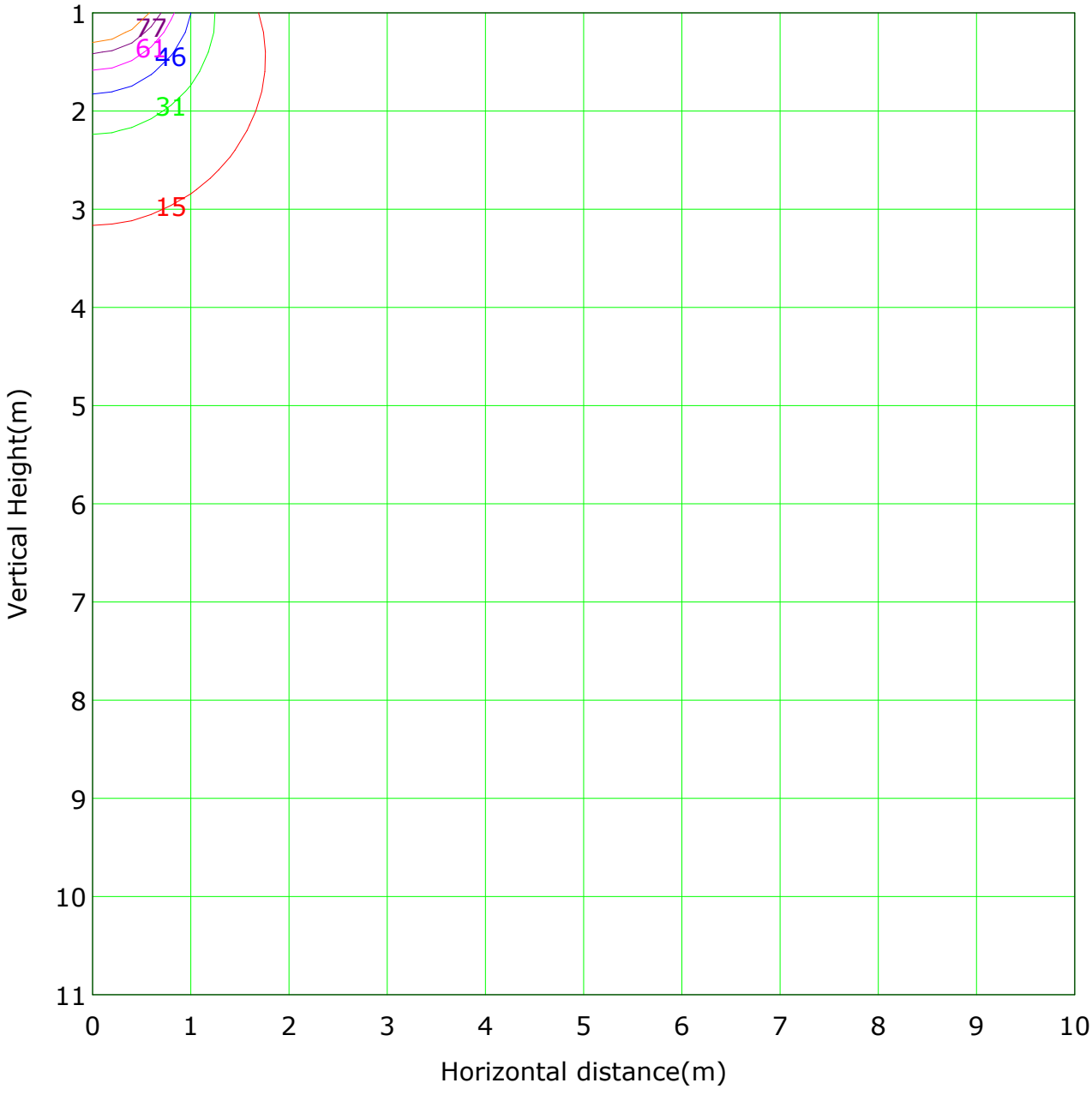
Illuminance at a Distance



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: 153.7 lx

(10%): 15.4 lx
(20%): 30.7 lx
(30%): 46.1 lx
(40%): 61.5 lx
(50%): 76.9 lx
(60%): 92.2 lx
(100%): 153.7 lx

C Plane (°):0.0-360.0: 30.0
Gamma Plane (°):0.0-90.0:1.0
Test Lab:
Test Device: GPM-1600L
Test Type: TYPE C
Distance: 6.935 m
Temperature:
Humidity:
Operator:
Inspector:

Area Flux Table

Unit: lm

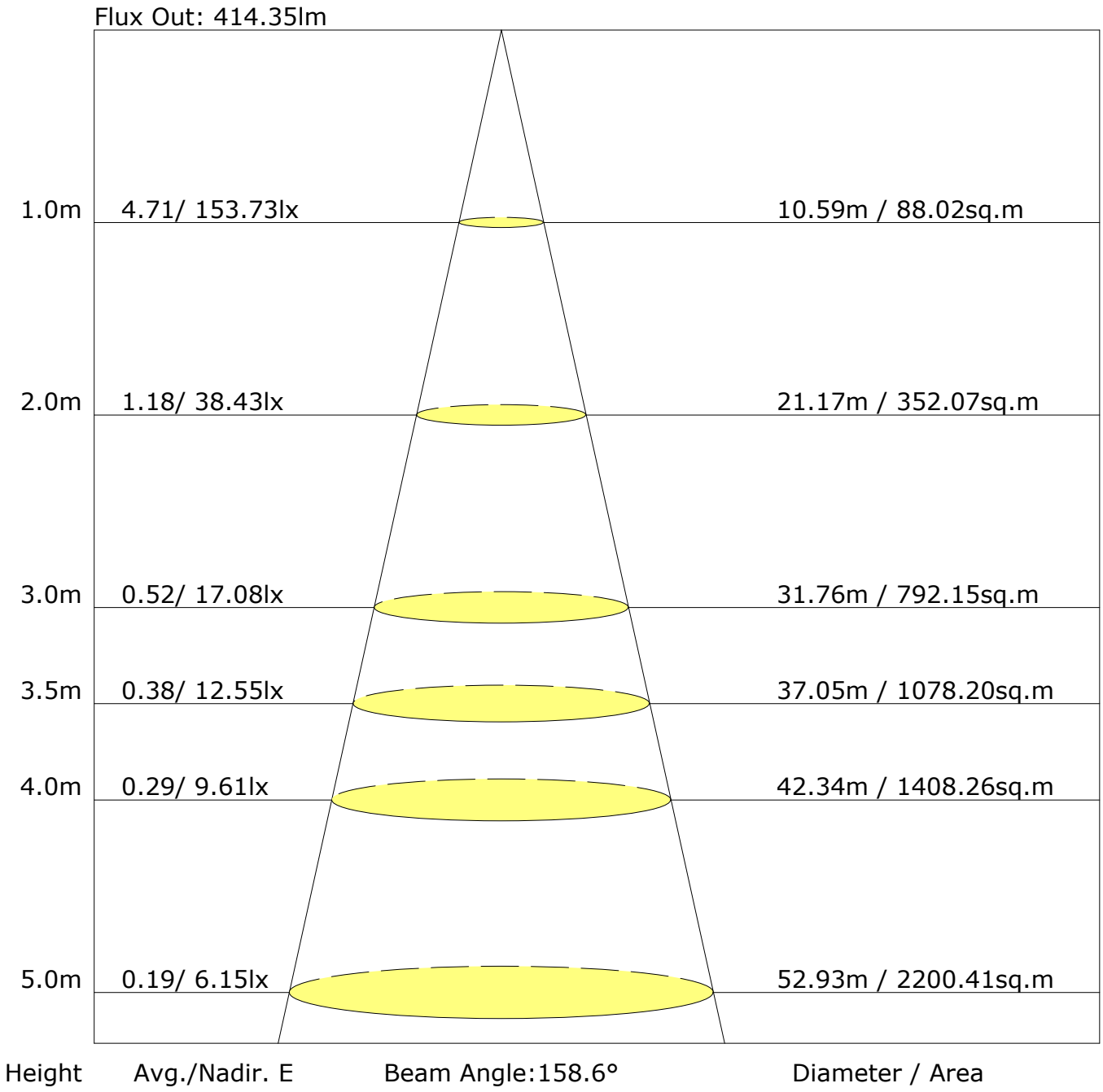
Vertical plane	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)
-90	0.0	0.0	0.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	
-80	0.0	0.1	0.2	0.3	0.5	0.6	0.7	0.8	0.9	0.8	0.7	0.6	0.4	0.3	0.1	0.0	0.0	0.0	7.2	6.1	
-70	0.0	0.1	0.3	0.6	0.9	1.2	1.4	1.6	1.7	1.6	1.5	1.3	1.0	0.6	0.3	0.1	0.0	0.0	14.2	14.0	
-60	0.0	0.2	0.4	0.8	1.2	1.6	2.0	2.3	2.4	2.4	2.2	1.8	1.4	1.0	0.6	0.2	0.0	0.0	20.6	20.4	
-50	0.0	0.2	0.5	1.0	1.5	2.1	2.5	2.9	3.1	3.0	2.8	2.4	1.9	1.3	0.8	0.4	0.1	0.0	26.4	26.3	
-40	0.0	0.2	0.6	1.2	1.8	2.4	3.0	3.4	3.7	3.6	3.3	2.8	2.2	1.6	1.0	0.4	0.1	0.0	31.5	31.5	
-30	0.0	0.3	0.7	1.3	2.0	2.8	3.4	3.9	4.1	4.1	3.8	3.2	2.5	1.8	1.1	0.5	0.1	0.0	35.6	35.5	
-20	0.0	0.3	0.7	1.4	2.2	3.0	3.7	4.2	4.5	4.4	4.1	3.5	2.7	1.9	1.2	0.6	0.1	0.0	38.4	38.4	
-10	0.0	0.3	0.8	1.4	2.2	3.1	3.8	4.4	4.6	4.6	4.2	3.6	2.8	2.0	1.2	0.6	0.2	0.0	39.8	39.7	
0	0.0	0.3	0.8	1.4	2.2	3.0	3.8	4.3	4.6	4.6	4.2	3.6	2.8	2.0	1.2	0.6	0.2	0.0	39.6	39.5	
10	0.0	0.3	0.7	1.4	2.1	2.9	3.6	4.1	4.4	4.4	4.0	3.4	2.7	1.9	1.2	0.6	0.1	0.0	37.8	37.7	
20	0.0	0.2	0.7	1.3	2.0	2.7	3.3	3.8	4.0	4.0	3.7	3.1	2.4	1.7	1.0	0.5	0.1	0.0	34.6	34.5	
30	0.0	0.2	0.6	1.1	1.7	2.3	2.9	3.3	3.5	3.5	3.2	2.7	2.1	1.5	0.9	0.4	0.1	0.0	30.2	30.1	
40	0.0	0.2	0.5	0.9	1.4	2.0	2.4	2.7	2.9	2.8	2.6	2.2	1.7	1.2	0.7	0.3	0.1	0.0	24.9	24.8	
50	0.0	0.1	0.4	0.7	1.1	1.5	1.9	2.1	2.2	2.2	2.0	1.7	1.3	0.9	0.5	0.2	0.1	0.0	18.9	18.8	
60	0.0	0.1	0.3	0.5	0.8	1.1	1.3	1.4	1.5	1.4	1.3	1.1	0.8	0.6	0.3	0.1	0.0	0.0	12.7	12.4	
70	0.0	0.0	0.1	0.3	0.4	0.6	0.7	0.8	0.8	0.8	0.7	0.5	0.4	0.3	0.1	0.0	0.0	0.0	6.6	5.6	
80	0.0	0.0	0.0	0.1	0.1	0.1	0.2	0.2	0.1	0.1	0.1	0.1	0.1	0.0	0.0	0.0	0.0	0.0	1.2	0.0	
90	0.4	3.1	8.4	15.8	24.3	33.0	40.7	46.3	49.0	48.3	44.4	37.8	29.5	20.6	12.3	5.7	1.4	0.1	421		
Flux(T)	0.1	2.7	8.1	15.5	24.0	32.7	40.4	46.0	48.7	48.1	44.1	37.5	29.1	20.2	11.9	5.3	0.8	0.0		415	
Flux(E)																					

Horizontal plane

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



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

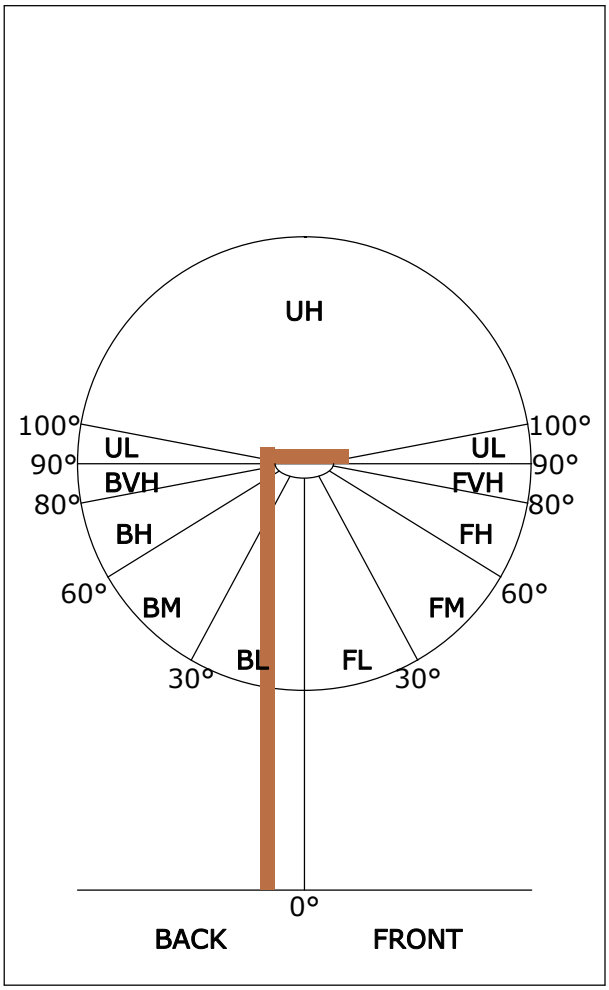
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$	-1.$
3H	-1.$	-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 421lm (8log(F/F0) = -3.0).

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:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



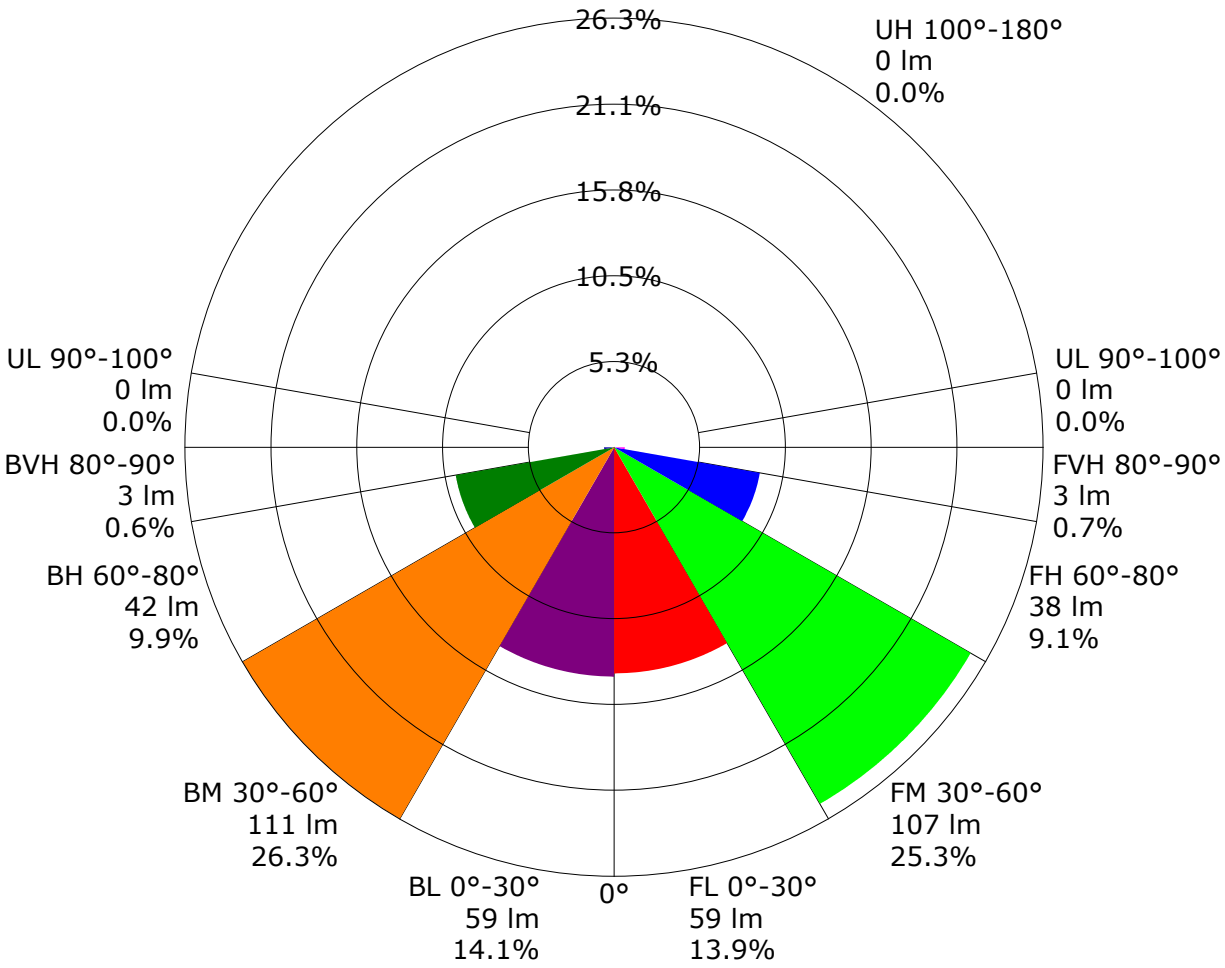
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	207	49.0
FL (0°-30°)	59	13.9
FM (30°-60°)	107	25.3
FH (60°-80°)	38	9.1
FVH (80°-90°)	3	0.7
BACK LIGHT	215	51.0
BL (0°-30°)	59	14.1
BM (30°-60°)	111	26.3
BH (60°-80°)	42	9.9
BVH (80°-90°)	3	0.6
UP LIGHT	0	0.0
UL (90°-100°)	0	0.0
UH (100°-180°)	0	0.0
TRAPPED LIGHT	NA	NA

BUG(**B**acklight,**U**plight,**G**lare) 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



Scale= MAX LCS%

Trapped Light:NA,NA

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 = 1.25								
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	0.57	0.67	0.75	0.80	0.88	0.93	0.96	1.01	1.04
	0.30		0.49	0.60	0.68	0.73	0.81	0.87	0.91	0.97	1.00
	0.20		0.44	0.54	0.62	0.68	0.76	0.82	0.87	0.93	0.97
0.50	0.50	0.20	0.55	0.65	0.72	0.77	0.84	0.89	0.92	0.97	0.99
	0.30		0.48	0.59	0.66	0.72	0.79	0.85	0.88	0.93	0.97
	0.20		0.43	0.54	0.61	0.67	0.75	0.81	0.85	0.90	0.94
0.30	0.50	0.20	0.54	0.64	0.70	0.75	0.82	0.86	0.89	0.93	0.96
	0.30		0.48	0.58	0.65	0.70	0.77	0.82	0.86	0.90	0.93
	0.20		0.43	0.53	0.60	0.66	0.73	0.79	0.83	0.88	0.91
0.00	0.00	0.00	0.41	0.50	0.57	0.63	0.70	0.75	0.79	0.83	0.86

Rating:6W 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	0.99	0.81	0.69	0.60	0.48	0.40	0.34	0.26	0.21
	0.30		0.83	0.70	0.60	0.53	0.43	0.36	0.31	0.24	0.20
	0.20		0.71	0.61	0.54	0.48	0.39	0.34	0.29	0.23	0.19
0.50	0.50	0.20	0.95	0.78	0.66	0.58	0.46	0.41	0.32	0.25	0.20
	0.30		0.81	0.68	0.59	0.52	0.42	0.35	0.30	0.23	0.19
	0.20		0.70	0.60	0.53	0.47	0.39	0.33	0.28	0.22	0.18
0.30	0.50	0.20	0.93	0.75	0.64	0.55	0.44	0.36	0.31	0.23	0.19
	0.30		0.79	0.66	0.57	0.50	0.40	0.34	0.29	0.22	0.18
	0.20		0.69	0.59	0.52	0.46	0.38	0.32	0.27	0.21	0.18
0.00	0.00	0.00	0.59	0.49	0.42	0.37	0.30	0.25	0.21	0.17	0.14

Rating:6W 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:

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	0.16	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	0.16	0.17	0.18	0.18	0.19	0.20	0.20	0.20	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:6W 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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	153.7	0.1	0.1	0.03	0.03
1.0-2.0	153.7	0.4	0.6	0.10	0.14
2.0-3.0	153.6	0.7	1.3	0.17	0.31
3.0-4.0	153.4	1.0	2.4	0.24	0.56
4.0-5.0	153.1	1.3	3.7	0.31	0.87
5.0-6.0	152.8	1.6	5.3	0.38	1.25
6.0-7.0	152.4	1.9	7.2	0.45	1.70
7.0-8.0	151.9	2.2	9.3	0.52	2.22
8.0-9.0	151.5	2.5	11.8	0.58	2.80
9.0-10.0	150.9	2.7	14.5	0.65	3.45
10.0-11.0	150.2	3.0	17.5	0.71	4.16
11.0-12.0	149.6	3.3	20.8	0.78	4.94
12.0-13.0	148.9	3.5	24.3	0.84	5.78
13.0-14.0	148.1	3.8	28.1	0.90	6.68
14.0-15.0	147.2	4.0	32.2	0.96	7.64
15.0-16.0	146.2	4.3	36.5	1.02	8.66
16.0-17.0	145.3	4.5	41.0	1.07	9.73
17.0-18.0	144.3	4.8	45.7	1.13	10.86
18.0-19.0	143.3	5.0	50.7	1.18	12.04
19.0-20.0	142.1	5.2	55.9	1.24	13.28
20.0-21.0	140.9	5.4	61.3	1.28	14.56
21.0-22.0	139.6	5.6	66.9	1.33	15.89
22.0-23.0	138.3	5.8	72.7	1.38	17.27
23.0-24.0	137.0	6.0	78.7	1.42	18.70
24.0-25.0	135.6	6.2	84.9	1.46	20.16
25.0-26.0	134.1	6.3	91.2	1.50	21.66
26.0-27.0	132.7	6.5	97.7	1.54	23.20
27.0-28.0	131.2	6.6	104.4	1.58	24.78
28.0-29.0	129.6	6.8	111.2	1.61	26.39
29.0-30.0	127.9	6.9	118.1	1.64	28.03
30.0-31.0	126.3	7.0	125.1	1.67	29.70
31.0-32.0	124.6	7.1	132.2	1.70	31.40
32.0-33.0	122.8	7.2	139.5	1.72	33.11
33.0-34.0	121.1	7.3	146.8	1.74	34.85
34.0-35.0	119.2	7.4	154.2	1.76	36.61
35.0-36.0	117.4	7.5	161.7	1.78	38.39

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	115.6	7.5	169.2	1.79	40.18
37.0-38.0	113.6	7.6	176.8	1.80	41.98
38.0-39.0	111.7	7.6	184.4	1.81	43.79
39.0-40.0	109.7	7.7	192.1	1.82	45.60
40.0-41.0	107.7	7.7	199.7	1.82	47.43
41.0-42.0	105.7	7.7	207.4	1.82	49.25
42.0-43.0	103.5	7.7	215.1	1.82	51.07
43.0-44.0	101.4	7.7	222.7	1.82	52.89
44.0-45.0	99.4	7.6	230.4	1.81	54.70
45.0-46.0	97.1	7.6	238.0	1.80	56.51
46.0-47.0	94.9	7.6	245.5	1.79	58.30
47.0-48.0	92.8	7.5	253.0	1.78	60.08
48.0-49.0	90.6	7.4	260.5	1.77	61.85
49.0-50.0	88.4	7.4	267.8	1.75	63.60
50.0-51.0	86.1	7.3	275.1	1.73	65.33
51.0-52.0	83.8	7.2	282.3	1.71	67.03
52.0-53.0	81.5	7.1	289.4	1.68	68.72
53.0-54.0	79.2	7.0	296.4	1.66	70.38
54.0-55.0	76.9	6.9	303.3	1.63	72.01
55.0-56.0	74.6	6.7	310.0	1.60	73.61
56.0-57.0	72.2	6.6	316.6	1.57	75.18
57.0-58.0	69.9	6.5	323.1	1.53	76.71
58.0-59.0	67.5	6.3	329.4	1.50	78.21
59.0-60.0	65.0	6.1	335.5	1.46	79.67
60.0-61.0	62.7	6.0	341.5	1.42	81.09
61.0-62.0	60.3	5.8	347.3	1.38	82.47
62.0-63.0	57.9	5.6	352.9	1.34	83.80
63.0-64.0	55.4	5.4	358.4	1.29	85.10
64.0-65.0	53.0	5.3	363.6	1.25	86.34
65.0-66.0	50.7	5.1	368.7	1.20	87.54
66.0-67.0	48.3	4.9	373.6	1.15	88.70
67.0-68.0	45.8	4.6	378.2	1.10	89.80
68.0-69.0	43.4	4.4	382.6	1.05	90.85
69.0-70.0	40.9	4.2	386.8	1.00	91.85
70.0-71.0	38.5	4.0	390.8	0.94	92.79
71.0-72.0	36.0	3.7	394.5	0.89	93.68

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 [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	33.5	3.5	398.0	0.83	94.51
73.0-74.0	31.0	3.3	401.3	0.77	95.29
74.0-75.0	28.5	3.0	404.3	0.71	96.00
75.0-76.0	26.0	2.8	407.1	0.66	96.65
76.0-77.0	23.5	2.5	409.6	0.59	97.25
77.0-78.0	20.9	2.2	411.8	0.53	97.78
78.0-79.0	18.5	2.0	413.8	0.47	98.25
79.0-80.0	16.1	1.7	415.5	0.41	98.67
80.0-81.0	13.7	1.5	417.0	0.35	99.02
81.0-82.0	11.4	1.2	418.3	0.29	99.31
82.0-83.0	9.1	1.0	419.3	0.23	99.55
83.0-84.0	6.8	0.7	420.0	0.18	99.72
84.0-85.0	4.7	0.5	420.5	0.12	99.84
85.0-86.0	2.9	0.3	420.8	0.08	99.92
86.0-87.0	1.7	0.2	421.0	0.04	99.96
87.0-88.0	0.9	0.1	421.1	0.02	99.99
88.0-89.0	0.3	0.0	421.1	0.01	100.00
89.0-90.0	0.1	0.0	421.2	0.00	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	153.7	153.6	153.3	154.1	153.6	153.5	153.7	153.6	153.3	154.1
G1.0	153.4	153.7	154.1	153.3	153.6	153.7	153.7	154.2	153.5	153.8
G2.0	153.8	153.3	153.2	153.9	153.6	153.6	154.6	153.6	154.0	153.2
G3.0	153.7	152.6	153.3	153.1	153.6	153.7	153.9	154.2	154.4	153.8
G4.0	152.8	151.8	152.8	152.7	153.6	153.5	154.3	153.8	153.8	153.8
G5.0	152.7	152.1	152.6	152.5	153.1	153.4	154.0	153.5	153.7	153.2
G6.0	152.0	152.0	151.7	152.2	152.5	153.1	153.8	153.4	153.3	152.9
G7.0	151.8	151.2	150.9	151.4	151.8	152.6	153.1	153.1	153.1	152.9
G8.0	150.6	150.6	150.9	151.6	151.9	152.2	153.0	153.6	152.5	152.5
G9.0	150.3	149.5	150.0	150.5	151.0	151.9	153.0	152.7	152.4	152.1
G10.0	149.6	148.9	148.7	149.7	150.3	151.2	152.3	152.2	151.9	151.3
G11.0	148.7	148.6	148.1	149.3	149.9	150.4	152.2	151.5	151.0	150.8
G12.0	148.0	147.4	147.5	148.2	149.5	149.8	151.6	151.3	150.7	150.1
G13.0	147.1	146.1	146.3	147.3	148.8	149.4	150.8	150.5	150.3	149.6
G14.0	146.1	145.0	145.6	147.1	147.8	148.5	150.0	150.0	149.8	149.2
G15.0	144.7	143.9	144.8	145.7	146.6	148.0	149.3	149.4	148.9	147.8
G16.0	143.4	143.4	143.4	144.0	145.8	147.1	148.1	148.9	148.4	146.9
G17.0	142.4	142.2	142.4	143.5	144.7	145.8	147.4	147.6	147.1	146.1
G18.0	141.2	141.1	141.3	142.2	144.0	144.9	147.1	147.0	146.4	145.1
G19.0	140.0	139.5	139.9	141.2	142.9	144.6	146.1	146.6	145.4	144.4
G20.0	138.9	138.1	139.0	140.0	141.2	143.0	144.8	144.9	144.3	142.3
G21.0	137.7	136.8	136.9	138.9	140.3	142.0	143.3	143.9	143.2	142.0
G22.0	135.7	135.3	136.4	137.2	138.6	140.7	142.3	143.0	141.6	140.5
G23.0	134.6	133.9	134.9	135.7	137.5	139.5	141.4	141.4	140.7	139.5
G24.0	132.8	132.4	133.0	134.9	136.4	138.1	140.1	140.2	139.9	138.0
G25.0	131.3	130.7	131.9	132.9	134.9	137.3	138.7	138.9	137.9	136.8
G26.0	129.9	128.9	129.9	131.4	133.5	135.6	137.6	137.9	136.7	135.5
G27.0	128.3	127.7	128.5	130.0	131.9	134.1	135.9	135.8	135.6	134.1
G28.0	126.9	125.7	126.4	128.4	130.9	132.6	134.5	135.1	133.7	132.2
G29.0	125.4	123.8	125.4	126.6	128.5	131.1	133.1	133.7	132.8	131.1
G30.0	122.6	122.1	123.0	125.0	127.1	129.3	131.2	131.7	131.0	128.8
G31.0	121.4	120.8	121.7	123.1	126.0	127.7	130.2	130.4	129.6	127.8
G32.0	119.3	118.8	119.6	120.9	123.7	126.2	128.6	128.7	128.0	126.2
G33.0	117.3	117.1	117.2	119.2	122.3	124.2	126.5	127.2	126.5	124.2
G34.0	115.6	115.2	115.7	117.7	120.1	122.6	125.5	125.3	124.5	123.0
G35.0	113.5	112.9	113.7	115.6	118.2	121.0	123.4	123.3	122.7	120.6
G36.0	111.5	111.4	111.9	113.7	116.9	119.3	121.5	122.5	121.2	119.2

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	109.4	108.6	110.1	111.8	115.0	117.1	119.9	120.5	118.9	117.2
G38.0	107.3	106.9	108.4	109.9	112.7	115.4	118.3	118.0	117.4	115.3
G39.0	105.4	104.9	106.0	107.8	110.9	113.4	116.5	117.0	115.4	113.6
G40.0	103.4	102.2	103.4	105.8	108.8	111.8	114.6	114.3	113.4	111.4
G41.0	101.0	100.9	101.8	103.9	106.9	109.4	112.2	113.0	111.8	109.5
G42.0	99.2	98.2	99.6	101.7	104.7	107.6	110.2	110.8	109.9	107.4
G43.0	96.8	96.3	97.3	99.6	102.7	105.3	108.3	108.9	107.6	105.4
G44.0	94.9	94.1	94.9	97.6	100.3	103.4	106.5	106.8	105.7	103.7
G45.0	92.6	91.5	93.0	95.3	98.5	101.6	104.2	105.0	103.5	101.5
G46.0	90.2	89.5	90.5	93.3	96.1	98.9	102.4	102.3	101.4	98.8
G47.0	87.8	87.4	88.2	90.7	94.0	97.1	99.9	100.8	99.2	97.2
G48.0	85.6	84.9	86.3	88.8	92.0	95.1	98.1	98.4	97.1	94.7
G49.0	83.3	82.6	83.8	86.2	89.8	93.1	95.7	96.4	95.1	92.7
G50.0	80.8	80.3	81.6	84.3	87.4	90.5	93.9	94.3	92.8	90.3
G51.0	78.6	77.9	79.1	81.8	85.0	88.3	91.4	92.0	90.4	88.4
G52.0	76.4	75.4	77.0	79.7	83.1	86.1	89.1	89.9	88.6	85.9
G53.0	74.0	73.2	74.7	76.8	80.8	83.7	87.0	87.9	86.0	83.4
G54.0	71.7	70.9	72.3	74.9	78.3	81.7	84.7	85.1	83.8	81.0
G55.0	69.2	68.3	70.2	72.7	76.0	79.2	82.6	82.9	81.6	79.3
G56.0	66.8	66.0	67.3	70.0	73.7	76.8	80.0	80.7	79.1	76.8
G57.0	64.2	63.5	64.9	67.7	71.6	74.6	78.0	78.3	76.8	74.3
G58.0	61.9	61.1	62.6	65.6	69.3	72.4	75.7	76.2	74.7	72.0
G59.0	59.5	58.5	60.3	63.0	66.6	70.1	73.0	73.5	71.7	69.4
G60.0	57.0	56.6	57.5	60.5	64.4	67.7	70.8	71.2	69.8	67.3
G61.0	54.6	53.8	55.6	58.1	62.1	65.3	68.5	69.2	67.3	64.9
G62.0	52.2	51.3	52.6	55.9	59.6	63.0	65.9	66.6	64.9	62.5
G63.0	49.8	48.8	50.4	53.5	57.3	60.7	63.8	64.2	62.8	60.0
G64.0	47.2	46.5	48.0	51.0	54.7	58.2	61.3	61.7	59.9	57.3
G65.0	44.9	44.0	45.5	48.8	52.6	56.0	59.0	59.4	57.7	55.1
G66.0	42.5	41.6	43.3	46.5	50.2	53.6	56.7	57.0	55.4	52.9
G67.0	40.0	39.1	40.8	44.0	47.8	51.1	54.3	54.5	52.8	50.2
G68.0	37.3	36.9	38.3	41.6	45.4	48.8	51.7	52.3	50.5	47.9
G69.0	34.2	34.3	36.0	39.0	43.0	46.3	49.2	49.4	48.0	45.2
G70.0	31.7	32.0	33.6	36.8	40.7	44.0	46.9	47.3	45.8	42.5
G71.0	28.9	29.9	31.2	34.5	38.5	41.8	44.7	45.0	43.4	39.9
G72.0	26.0	27.3	29.0	32.1	36.0	39.2	42.3	42.4	40.5	37.0
G73.0	23.4	25.2	26.7	30.0	33.8	37.0	39.8	40.1	38.0	34.1

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 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	20.9	22.8	24.5	27.5	31.7	34.4	37.3	38.0	35.1	31.1
G75.0	18.2	20.6	22.3	25.4	29.2	31.9	34.9	35.4	32.2	28.0
G76.0	15.8	18.7	20.2	23.4	27.2	29.6	32.4	33.1	29.3	25.1
G77.0	13.1	16.5	17.9	21.1	25.0	26.9	29.5	30.7	26.2	21.8
G78.0	10.9	14.5	16.0	19.0	22.8	24.5	27.1	28.5	23.3	18.9
G79.0	8.8	12.6	14.0	17.0	20.8	22.1	24.5	26.3	20.4	15.9
G80.0	7.0	10.5	11.9	14.7	18.5	19.5	21.7	23.6	17.1	12.6
G81.0	5.9	8.8	10.0	12.4	16.6	17.1	19.2	21.2	14.0	9.4
G82.0	4.7	6.8	8.0	9.8	14.2	14.6	16.6	18.8	10.7	6.5
G83.0	3.2	5.2	5.7	7.3	11.5	12.0	14.2	16.1	7.5	3.0
G84.0	1.7	3.4	3.6	4.9	8.8	10.1	11.8	13.7	4.4	0.4
G85.0	0.2	1.3	1.8	2.5	5.8	8.4	8.9	11.1	0.7	0.1
G86.0	0.1	0.2	0.5	0.6	2.9	6.4	6.5	8.2	0.1	0.1
G87.0	0.1	0.1	0.2	0.1	0.5	3.9	4.0	5.3	0.1	0.1
G88.0	0.1	0.1	0.1	0.1	0.1	1.4	1.3	2.3	0.1	0.1
G89.0	0.1	0.1	0.1	0.1	0.1	0.2	0.2	0.7	0.1	0.1
G90.0	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.1	0.1

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 3)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	153.6	153.5	153.7							
G1.0	153.6	153.9	153.4							
G2.0	153.9	153.3	153.8							
G3.0	153.7	153.1	153.7							
G4.0	152.9	153.0	152.8							
G5.0	152.4	152.6	152.7							
G6.0	152.4	152.2	152.0							
G7.0	151.9	151.4	151.8							
G8.0	151.3	150.7	150.6							
G9.0	151.2	150.2	150.3							
G10.0	150.6	149.8	149.6							
G11.0	149.7	149.2	148.7							
G12.0	148.7	148.1	148.0							
G13.0	149.0	147.1	147.1							
G14.0	147.3	146.5	146.1							
G15.0	146.0	145.0	144.7							
G16.0	145.7	144.5	143.4							
G17.0	144.4	143.0	142.4							
G18.0	143.4	142.0	141.2							
G19.0	142.2	141.0	140.0							
G20.0	141.2	139.6	138.9							
G21.0	140.1	138.5	137.7							
G22.0	138.5	136.7	135.7							
G23.0	137.4	135.6	134.6							
G24.0	135.9	134.4	132.8							
G25.0	134.4	132.7	131.3							
G26.0	133.6	130.5	129.9							
G27.0	131.6	129.5	128.3							
G28.0	130.2	128.0	126.9							
G29.0	128.2	126.3	125.4							
G30.0	126.7	124.7	122.6							
G31.0	125.2	123.1	121.4							
G32.0	123.2	121.1	119.3							
G33.0	121.8	119.3	117.3							
G34.0	120.2	117.6	115.6							
G35.0	117.9	115.6	113.5							
G36.0	116.3	113.9	111.5							

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 4)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G37.0	114.4	112.0	109.4							
G38.0	112.3	109.6	107.3							
G39.0	110.4	107.9	105.4							
G40.0	108.3	105.6	103.4							
G41.0	106.6	103.5	101.0							
G42.0	104.5	101.8	99.2							
G43.0	101.9	99.4	96.8							
G44.0	100.1	97.4	94.9							
G45.0	97.6	94.9	92.6							
G46.0	95.8	92.9	90.2							
G47.0	93.7	90.7	87.8							
G48.0	91.3	88.3	85.6							
G49.0	89.1	86.0	83.3							
G50.0	87.2	83.9	80.8							
G51.0	84.7	81.4	78.6							
G52.0	82.5	79.1	76.4							
G53.0	79.9	76.9	74.0							
G54.0	77.7	74.6	71.7							
G55.0	75.5	72.3	69.2							
G56.0	73.1	70.0	66.8							
G57.0	71.0	67.5	64.2							
G58.0	68.2	65.2	61.9							
G59.0	65.8	62.6	59.5							
G60.0	63.7	60.1	57.0							
G61.0	61.0	58.0	54.6							
G62.0	58.6	55.4	52.2							
G63.0	56.3	53.0	49.8							
G64.0	53.9	50.5	47.2							
G65.0	51.6	48.3	44.9							
G66.0	49.0	45.7	42.5							
G67.0	46.6	43.2	40.0							
G68.0	44.5	40.5	37.3							
G69.0	42.0	38.0	34.2							
G70.0	39.5	35.3	31.7							
G71.0	37.1	32.9	28.9							
G72.0	34.3	30.0	26.0							
G73.0	31.9	27.3	23.4							

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 5)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G74.0	28.8	24.7	20.9							
G75.0	26.3	21.8	18.2							
G76.0	23.6	19.0	15.8							
G77.0	20.6	16.2	13.1							
G78.0	18.0	13.4	10.9							
G79.0	15.2	10.6	8.8							
G80.0	12.2	8.7	7.0							
G81.0	9.6	7.3	5.9							
G82.0	6.7	5.8	4.7							
G83.0	4.7	4.4	3.2							
G84.0	2.8	2.8	1.7							
G85.0	1.5	1.0	0.2							
G86.0	0.9	0.2	0.1							
G87.0	0.4	0.2	0.1							
G88.0	0.2	0.2	0.1							
G89.0	0.1	0.2	0.1							
G90.0	0.1	0.1	0.1							

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: