

Report No.:

Test Time: 2020-09-03 16:05

Luminaire Property

Luminaire Manufacturer: ASD Lighting Corp

Luminaire Description: ASD-LMPJBR-12D24CC-WH-4K

Luminous Length (mm): 240

Luminous Width (mm): 240

Voltage: 120.3 V

Current: 0.183 A

Power: 21.73 W

Power Factor: 0.989

Photometric Results

CIE Class: Direct

Measurement Flux: 2381.1 lm

Downward Ratio: 100%

Total Rated Lamp Lumens: 2381.1 lm

Efficiency: 100%

Upward Ratio: 0%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 161.2, 161.7, 161.7, 161.3

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 108.9, 109.3, 109.2, 109.1

Luminaire Efficacy Rating (LER): 109.62

Central Intensity: 864.65 cd

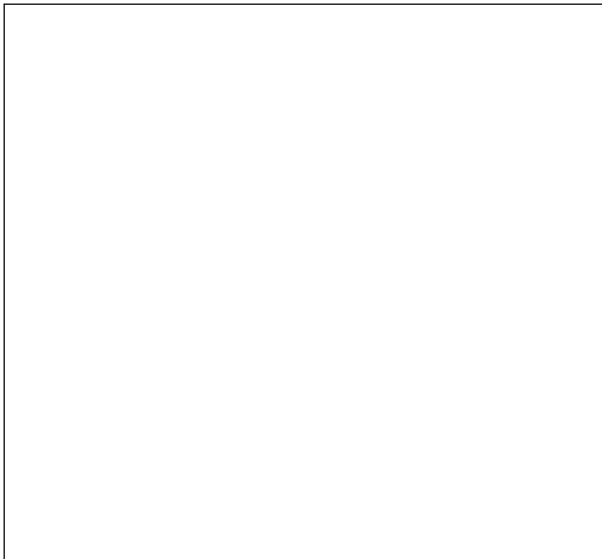
Max. Intensity: 864.66 cd

Pos of Max. Intensity: H0 V0

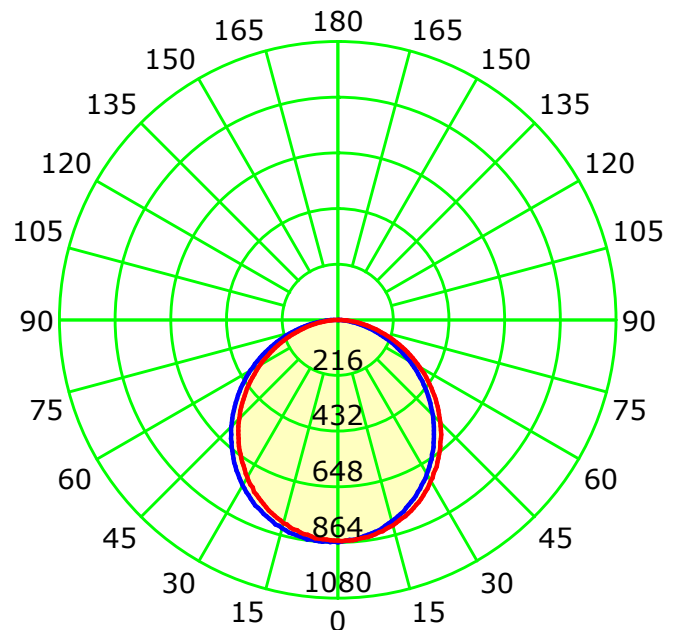
S/MH(C0/C180): 1.23

S/MH(C90/C270): 1.24

Picture Of Luminaire



Luminous Intensity Distribution Curve



— 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

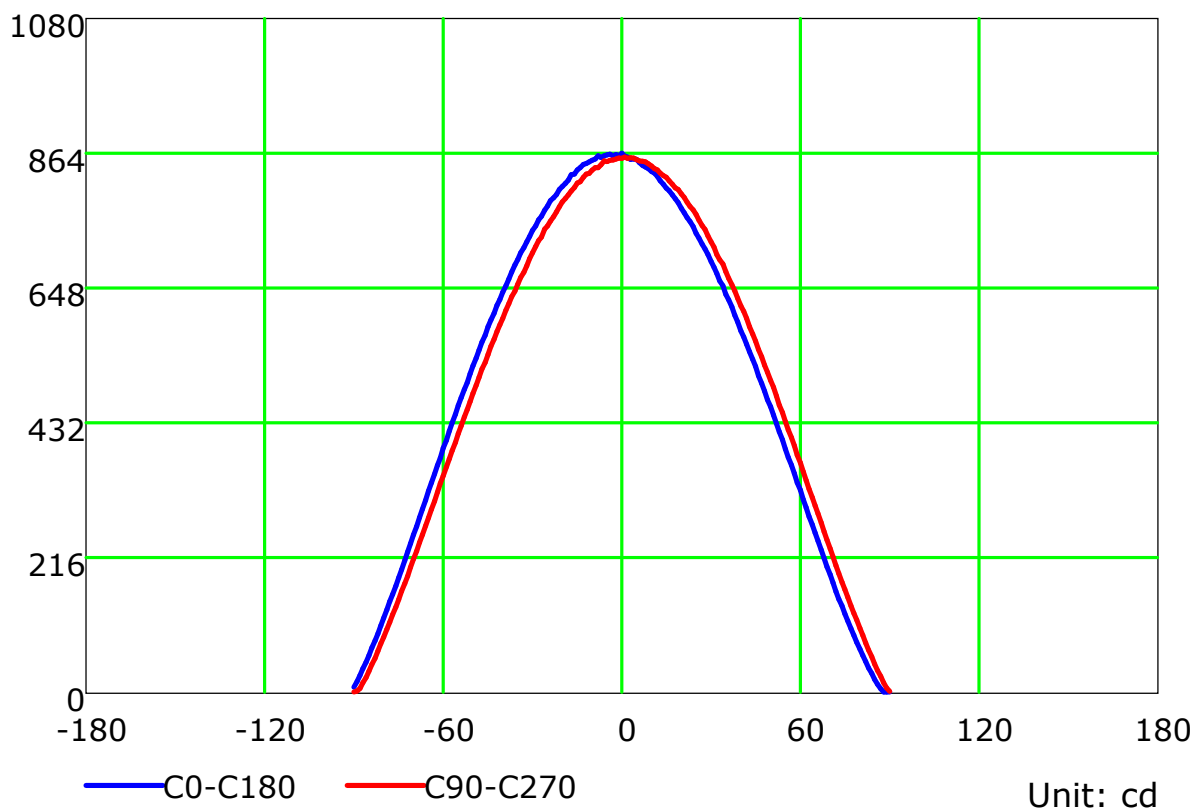
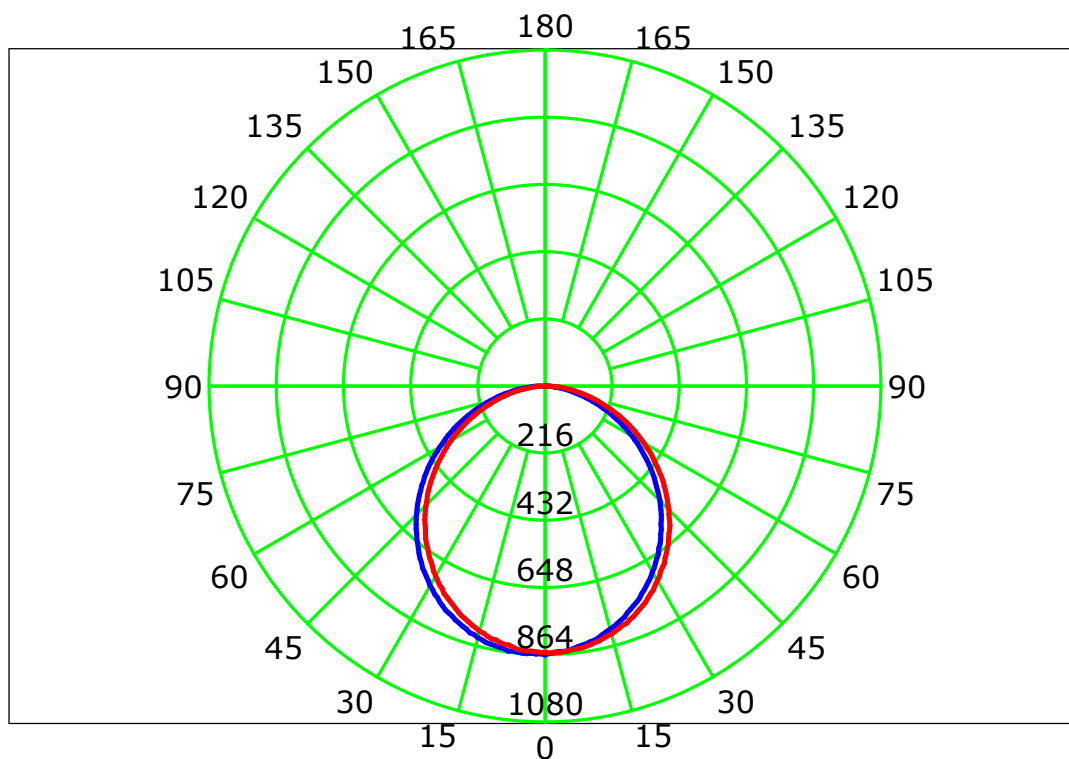
Test Device: GPM-1600L

Distance: 6.935 m

Humidity:

Inspector:

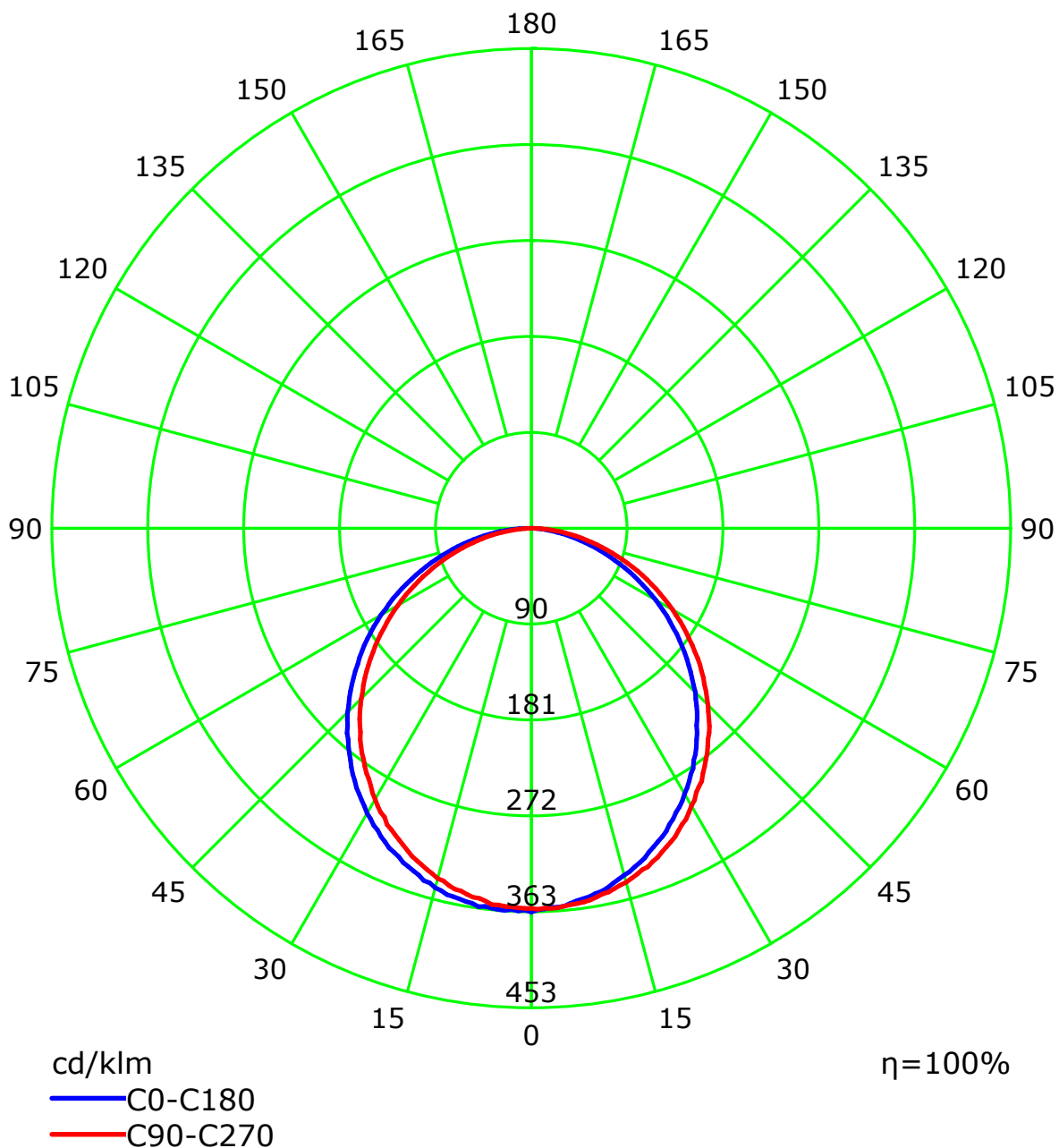
Luminous Intensity Distribution Curve



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:

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:

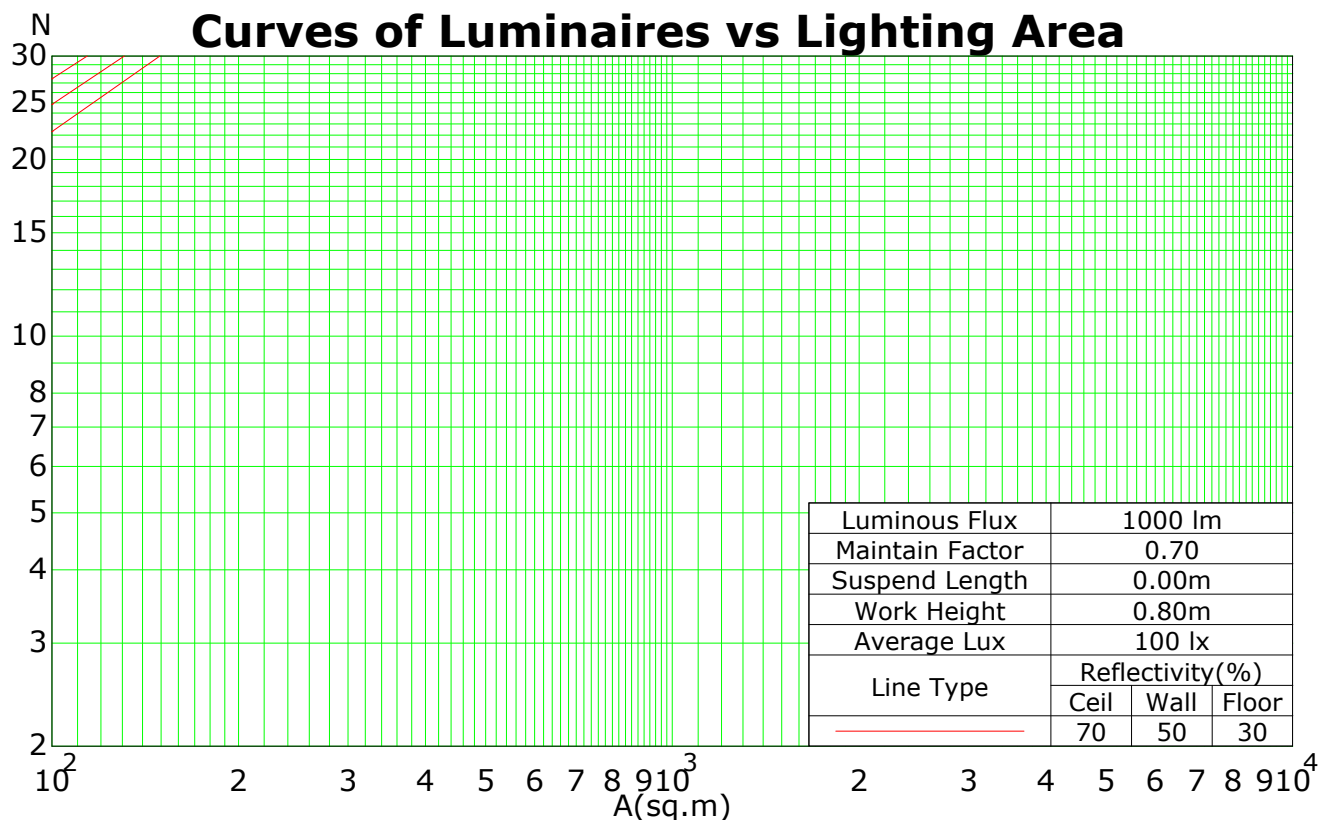
Coefficients Of Utilization - Zonal Cavity Method

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	94	97	94	91	93	91	88	90	88	86	84
2	99	91	84	78	96	89	82	77	85	80	75	82	77	74	79	75	72	70
3	90	80	71	65	88	78	70	64	75	68	63	72	67	62	70	65	61	59
4	83	70	62	55	80	69	61	55	67	59	54	64	58	53	62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	47	58	51	46	56	50	46	43
6	70	57	48	41	68	56	47	41	54	46	41	52	46	40	51	45	40	38
7	65	51	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34
8	61	47	38	33	59	46	38	32	45	38	32	44	37	32	43	36	32	30
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	31	26	24

Spacing Criteria (0-180): 1.23

Spacing Criteria (90-270): 1.24

Spacing Criteria (Diagonal): 1.35



C Plane (°):0.0-360.0: 30.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

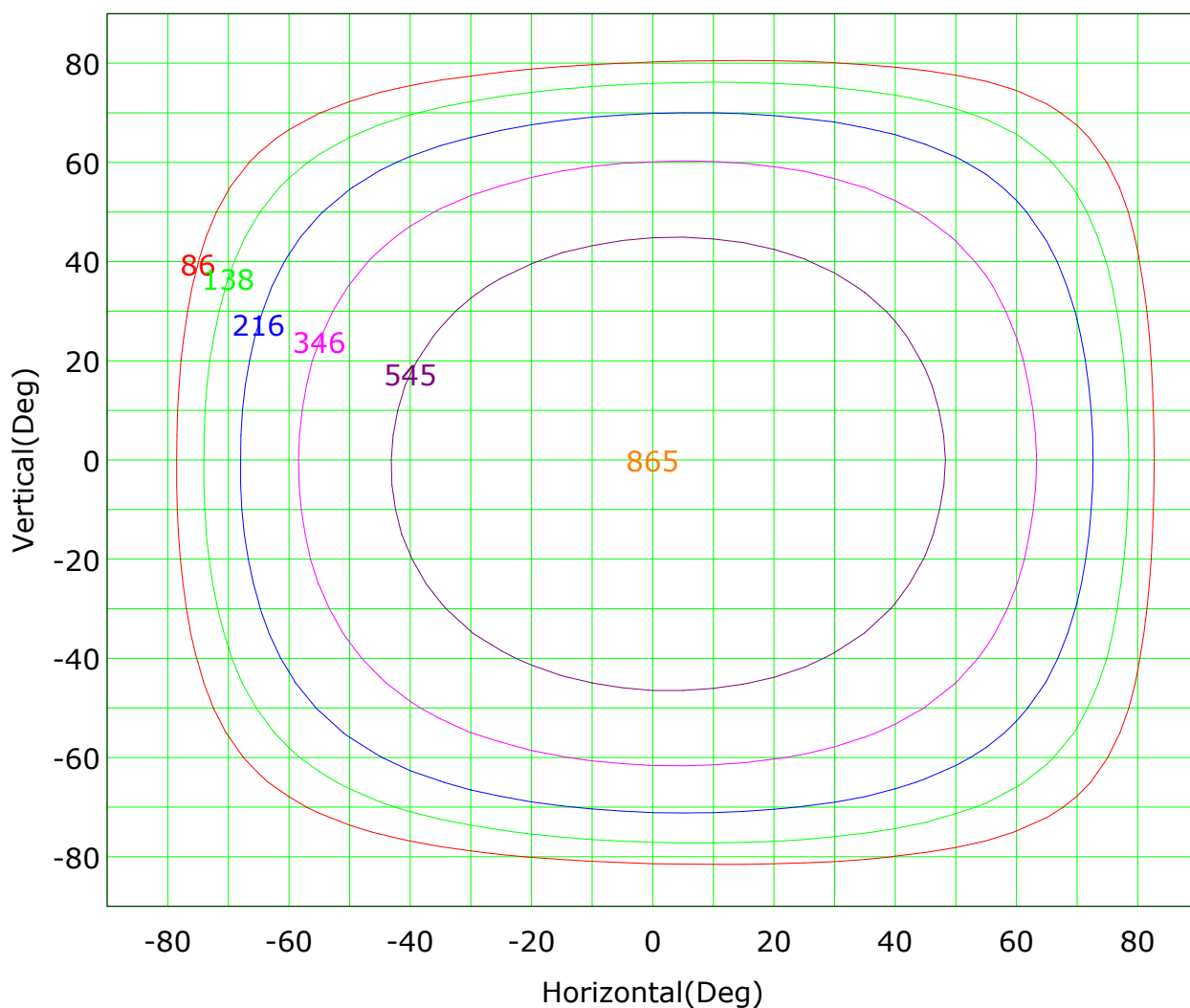
Test Device: GPM-1600L

Distance: 6.935 m

Humidity:

Inspector:

Isocandela (rectangle)



Imax (100%): 865 cd

(10%): 86 cd	(16%): 138 cd
(25%): 216 cd	(40%): 346 cd
(63%): 545 cd	(100%): 865 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

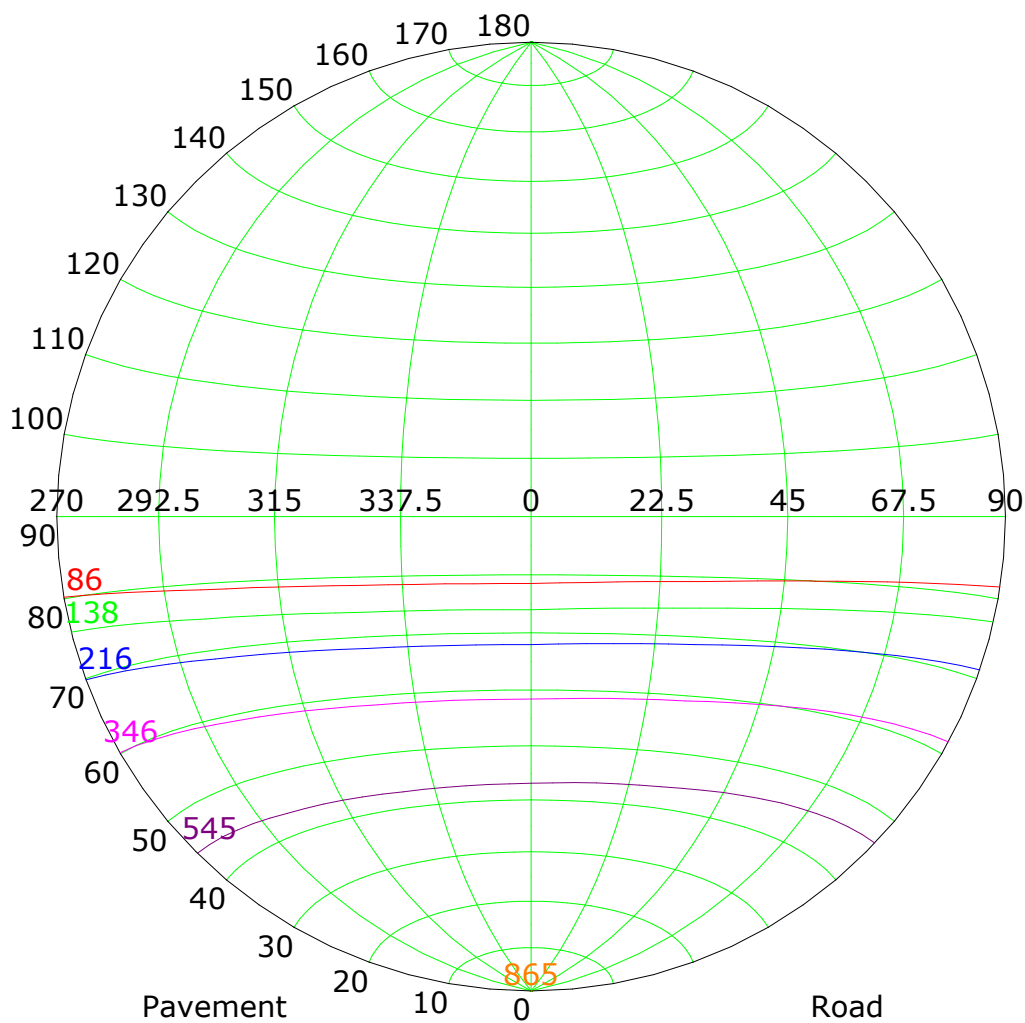
Test Device: GPM-1600L

Distance: 6.935 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 865 cd

(10%):	86 cd	(16%):	138 cd
(25%):	216 cd	(40%):	346 cd
(63%):	545 cd	(100%):	865 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

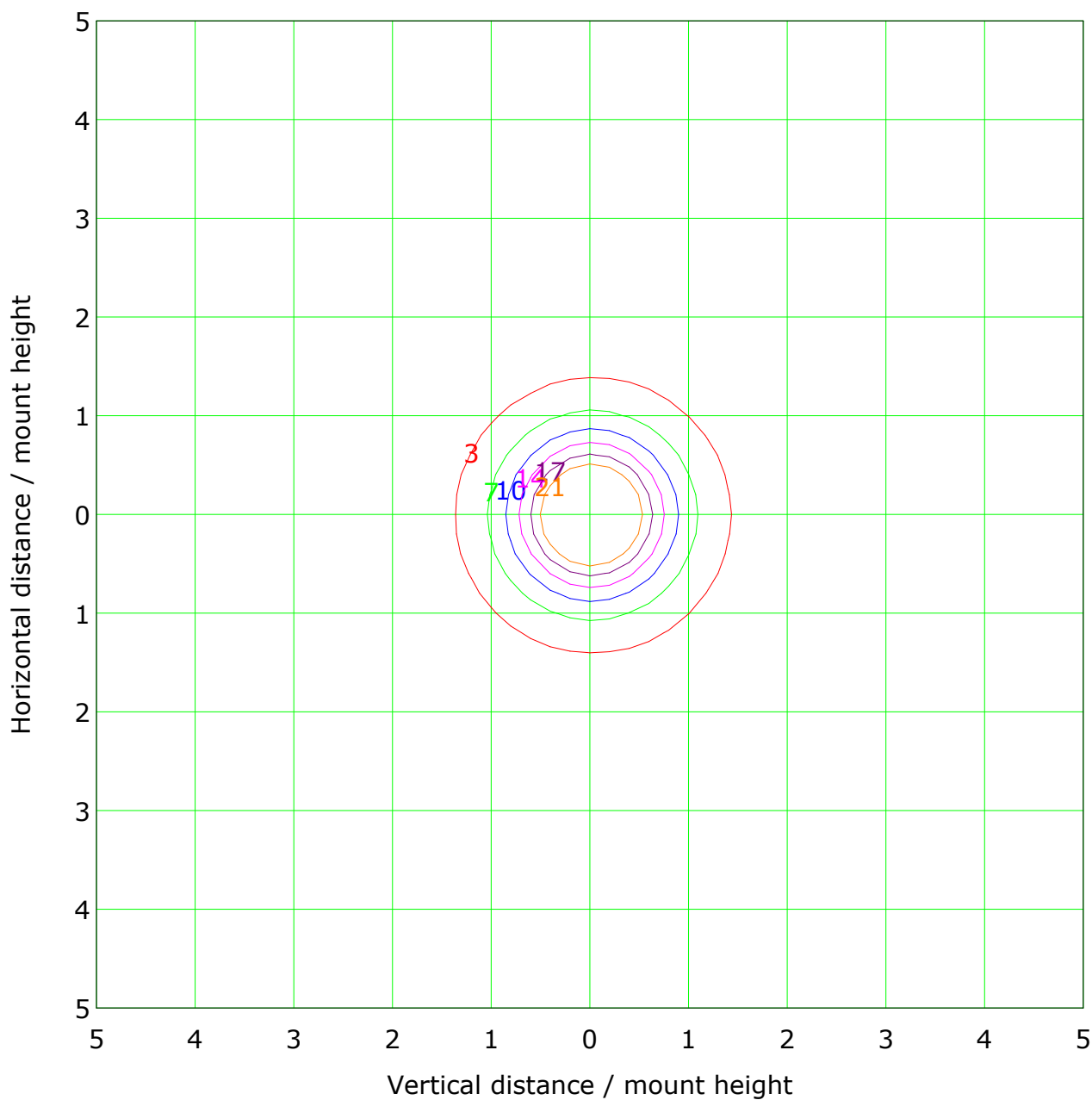
Test Device: GPM-1600L

Distance: 6.935 m

Humidity:

Inspector:

IsoLux Plot



Mounting Height: 5.0m		Max Lux(100%): 34.6 lx	
(10%):	3.5 lx	(20%):	6.9 lx
(30%):	10.4 lx	(40%):	13.8 lx
(50%):	17.3 lx	(60%):	20.8 lx
(100%):	34.6 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

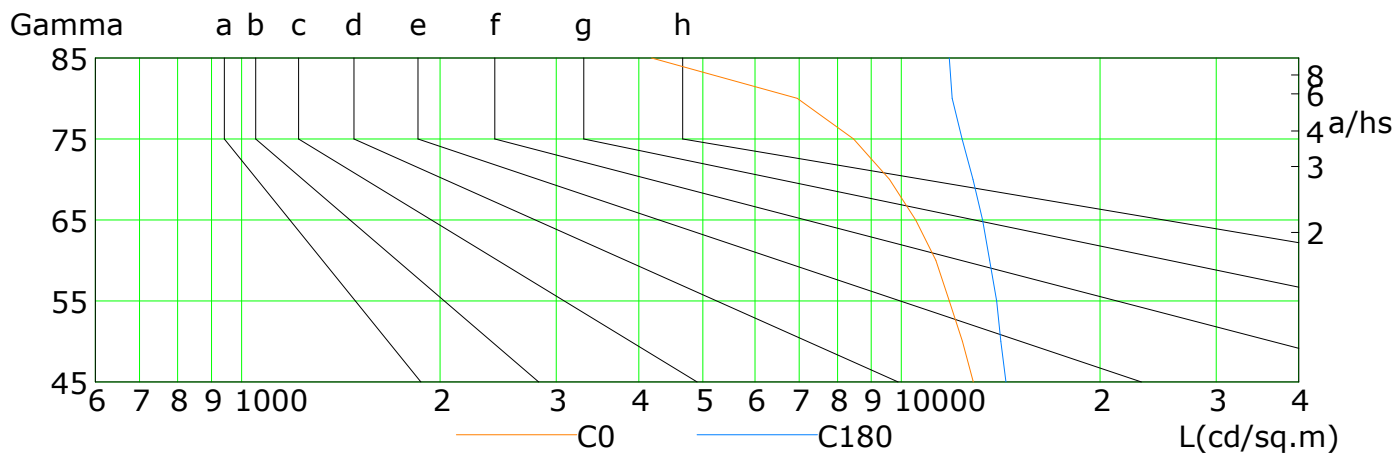
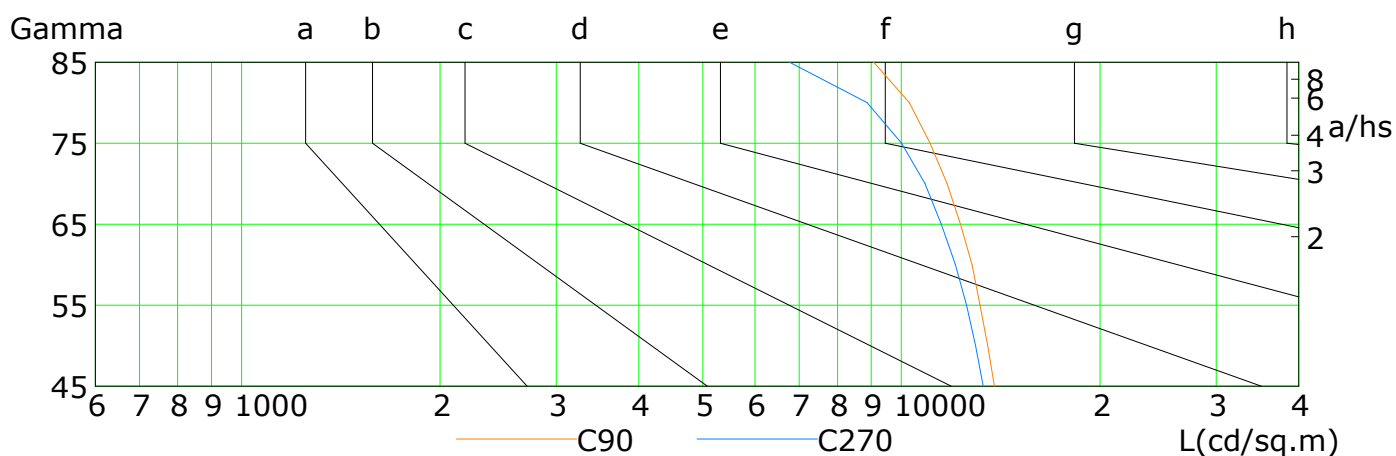
Humidity:

Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
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

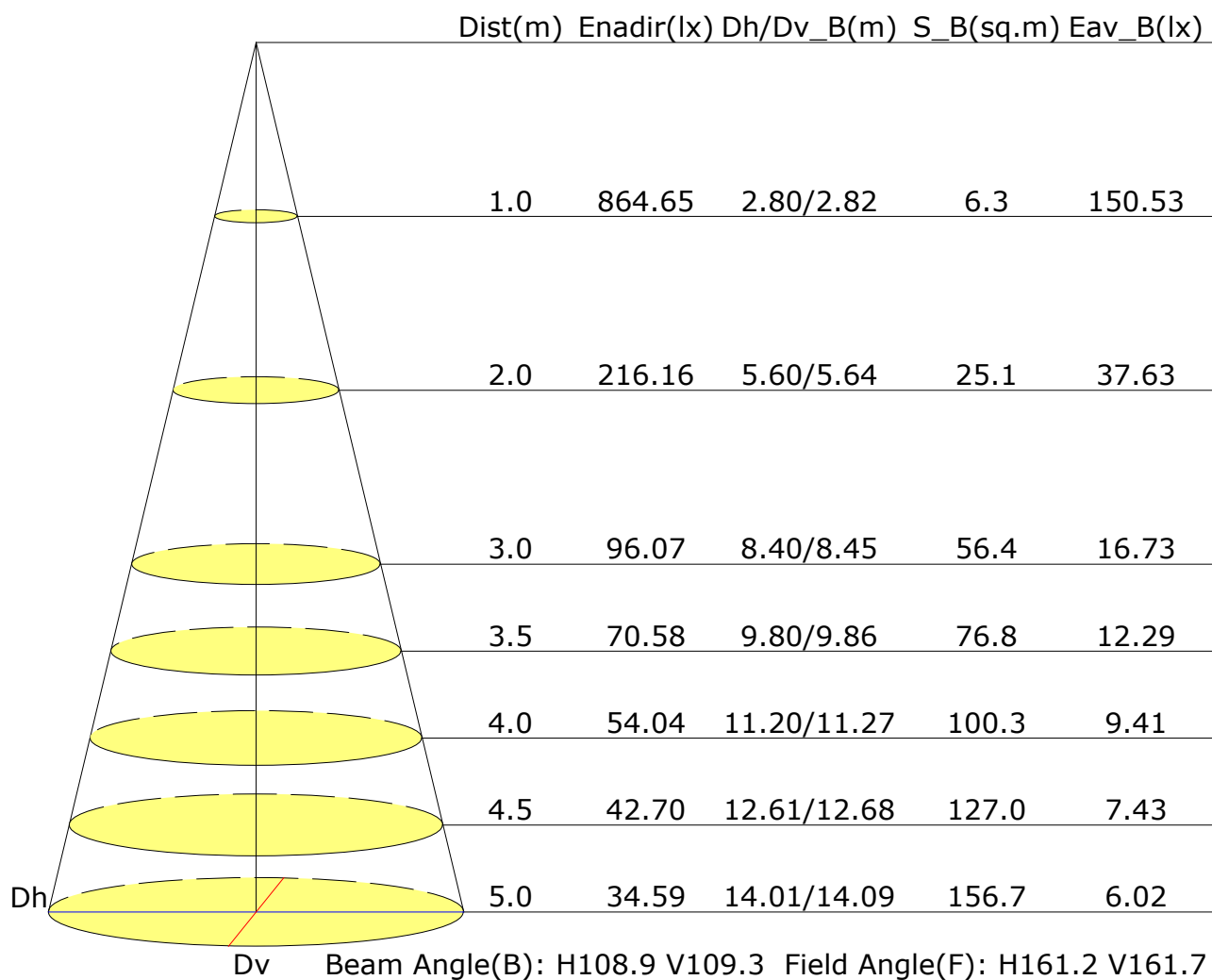


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	12846	12376	11822	11272	10509	9593	8459	6953	4181
C90	13833	13518	13159	12793	12297	11721	11057	10279	9079
C180	14398	14145	13939	13609	13276	12839	12356	11932	11820
C270	13311	12958	12559	12067	11499	10863	10011	8871	6767

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:

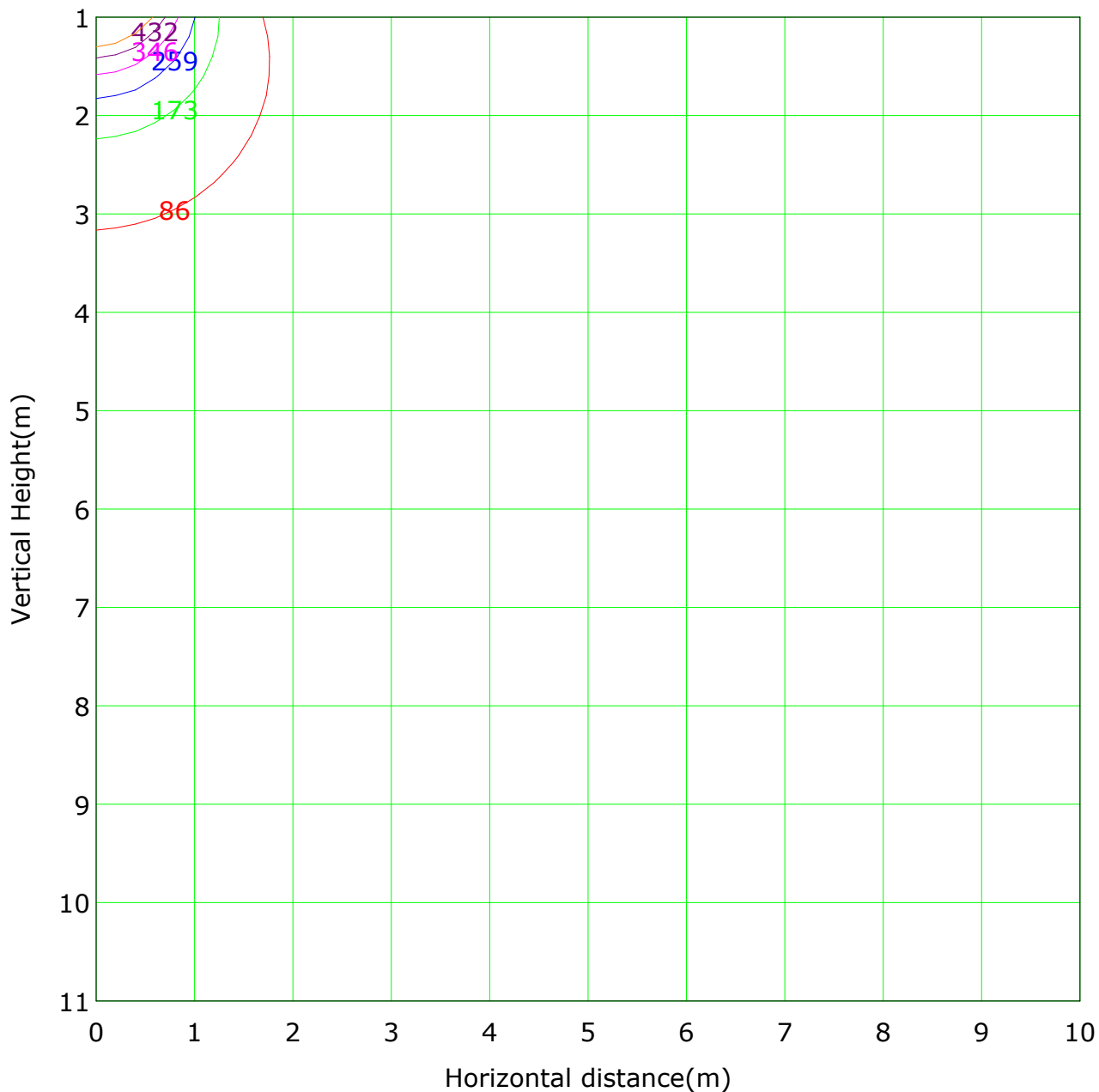
Illuminance at a Distance



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: 864.7 lx

(10%): 86.5 lx	(20%): 172.9 lx
(30%): 259.4 lx	(40%): 345.9 lx
(50%): 432.3 lx	(60%): 518.8 lx
(100%): 864.7 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

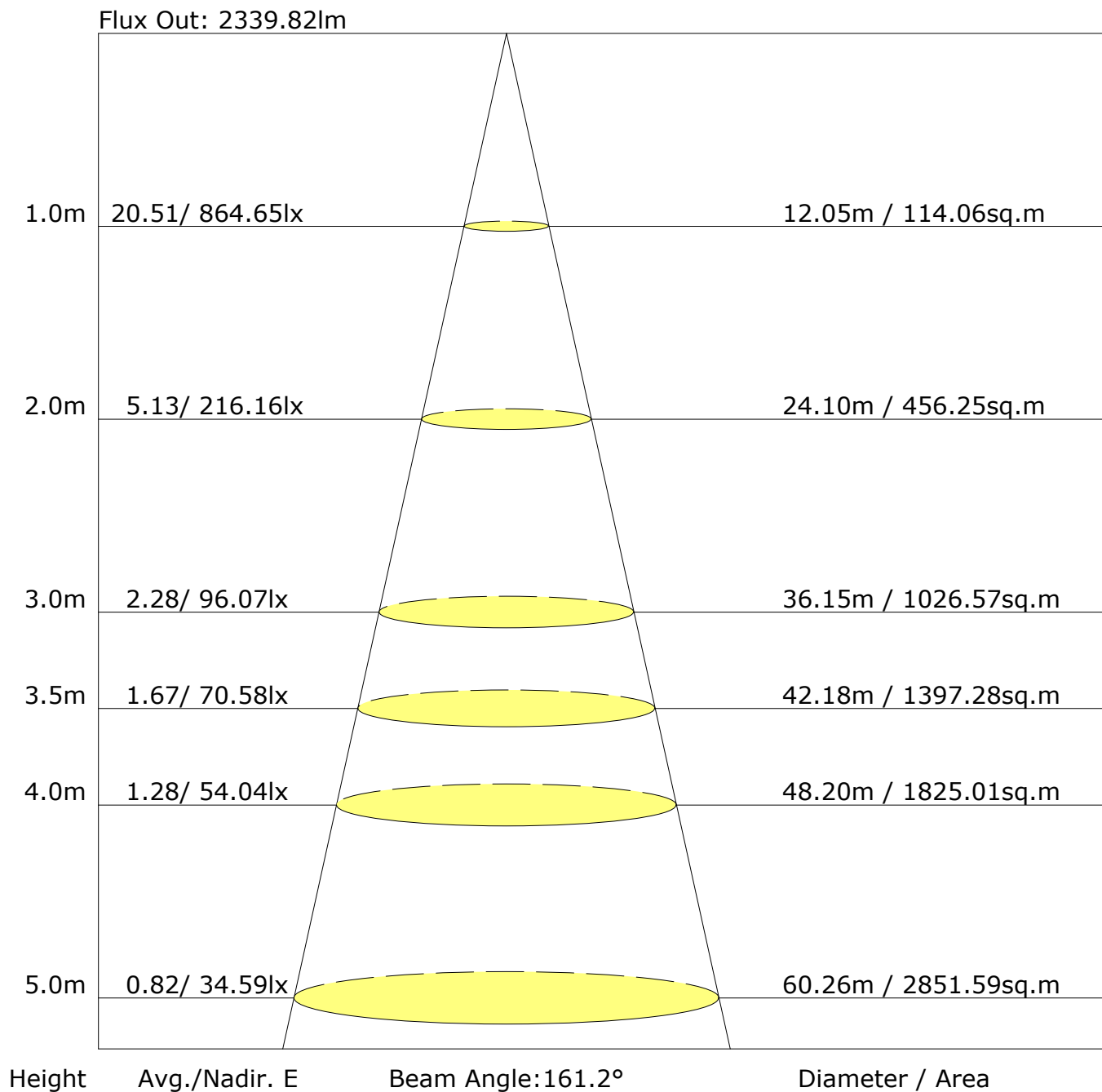
Unit: lm

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)
	0.0	0.2	0.3	0.6	0.8	1.0	1.1	1.2	1.2	1.1	0.9	0.7	0.5	0.3	0.2	0.1	0.0	0.0	10.2	0.2	
	0.1	0.4	0.9	1.7	2.5	3.3	4.0	4.4	4.6	4.4	4.0	3.3	2.5	1.7	1.0	0.4	0.1	0.0	39.4	34.0	
	0.1	0.6	1.5	2.9	4.4	5.9	7.2	8.2	8.5	8.4	7.6	6.4	5.0	3.5	2.1	1.0	0.3	0.0	73.5	71.9	
	0.1	0.8	2.2	4.1	6.3	8.6	10.5	11.9	12.6	12.4	11.3	9.6	7.5	5.3	3.2	1.5	0.5	0.0	108.5	107.7	
	0.1	1.0	2.8	5.2	8.1	11.1	13.7	15.6	16.4	16.2	14.9	12.7	10.0	7.0	4.3	2.0	0.6	0.1	141.8	141.3	
	0.2	1.2	3.3	6.3	9.8	13.3	16.5	18.8	19.8	19.6	18.0	15.4	12.1	8.6	5.2	2.5	0.8	0.1	171.3	170.9	
	0.2	1.3	3.7	7.1	11.1	15.1	18.8	21.4	22.6	22.4	20.6	17.6	13.8	9.8	6.0	2.9	0.9	0.1	195.5	195.2	
	0.2	1.4	4.0	7.7	12.0	16.4	20.4	23.3	24.7	24.4	22.5	19.2	15.1	10.7	6.5	3.2	1.0	0.1	212.8	212.5	
	0.2	1.5	4.2	8.0	12.5	17.2	21.3	24.3	25.8	25.4	23.5	20.1	15.8	11.2	6.8	3.3	1.0	0.1	222.3	222.0	
	0.2	1.5	4.2	8.0	12.5	17.2	21.3	24.4	25.8	25.6	23.7	20.2	15.9	11.2	6.8	3.3	1.0	0.1	223.0	222.8	
	0.2	1.4	4.0	7.7	12.0	16.5	20.5	23.4	24.9	24.7	22.8	19.5	15.3	10.8	6.6	3.2	1.0	0.1	214.9	214.6	
	0.2	1.3	3.7	7.1	11.1	15.3	19.0	21.7	23.1	22.9	21.1	18.0	14.1	10.0	6.1	3.0	0.9	0.1	198.9	198.6	
	0.2	1.2	3.3	6.3	9.9	13.5	16.8	19.2	20.4	20.2	18.6	15.9	12.5	8.8	5.3	2.6	0.8	0.1	175.5	175.2	
	0.1	1.0	2.8	5.3	8.3	11.3	14.1	16.1	17.0	16.8	15.5	13.2	10.3	7.3	4.4	2.1	0.7	0.1	146.4	145.9	
	0.1	0.8	2.2	4.2	6.5	8.9	11.0	12.5	13.2	13.0	11.9	10.2	7.9	5.5	3.3	1.6	0.5	0.0	113.2	112.5	
	0.1	0.6	1.6	2.9	4.5	6.2	7.6	8.6	9.1	8.9	8.2	6.9	5.4	3.7	2.2	1.0	0.3	0.0	77.8	76.4	
	0.1	0.4	0.9	1.7	2.6	3.5	4.3	4.8	5.0	4.9	4.4	3.7	2.9	2.0	1.1	0.5	0.1	0.0	43.1	38.7	
	0.0	0.2	0.4	0.6	0.9	1.2	1.4	1.5	1.5	1.4	1.2	1.0	0.7	0.5	0.2	0.1	0.0	0.0	12.6	1.7	
Flux(T)	2.5	16.9	46.0	87.3	135.8	185.5	229.5	261.2	276.3	272.7	250.8	213.9	167.4	117.7	71.4	34.4	10.6	0.9	2381		
Flux(E)	0.8	14.7	43.8	85.1	133.8	183.4	227.2	259.2	274.1	270.6	248.7	211.7	165.2	115.4	69.1	31.9	7.4	0.0		2342	
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	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	20.9	22.3	21.2	22.6	22.8	21.3	22.7	21.6	22.9	23.2
3H	22.3	23.6	22.6	23.8	24.1	22.8	24.1	23.2	24.4	24.6
4H	22.8	24.0	23.2	24.3	24.6	23.5	24.6	23.8	24.9	25.2
6H	23.1	24.3	23.5	24.6	24.9	23.9	25.0	24.3	25.3	25.7
8H	23.2	24.3	23.6	24.6	25.0	24.1	25.2	24.5	25.5	25.8
12H	23.3	24.3	23.6	24.6	25.0	24.2	25.2	24.6	25.5	25.9
X=4H Y=2H	21.6	22.8	21.9	23.1	23.4	21.9	23.1	22.2	23.4	23.7
3H	23.2	24.2	23.5	24.5	24.9	23.6	24.6	24.0	25.0	25.3
4H	23.8	24.7	24.2	25.1	25.4	24.3	25.3	24.8	25.6	26.0
6H	24.2	25.0	24.6	25.4	25.8	24.9	25.8	25.4	26.1	26.5
8H	24.3	25.1	24.8	25.5	25.9	25.2	25.9	25.6	26.3	26.7
12H	24.4	25.1	24.9	25.5	25.9	25.3	26.0	25.7	26.4	26.8
X=8H Y=4H	24.1	24.8	24.5	25.2	25.6	24.6	25.3	25.0	25.7	26.2
6H	24.6	25.2	25.1	25.7	26.2	25.3	25.9	25.8	26.4	26.8
8H	24.8	25.4	25.3	25.8	26.3	25.6	26.1	26.1	26.6	27.1
12H	24.9	25.4	25.4	25.9	26.4	25.8	26.3	26.3	26.7	27.2
X=12H Y=4H	24.1	24.8	24.6	25.2	25.6	24.6	25.3	25.0	25.7	26.1
6H	24.7	25.2	25.2	25.7	26.2	25.4	25.9	25.8	26.3	26.8
8H	24.9	25.4	25.4	25.9	26.4	25.7	26.1	26.2	26.6	27.1
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.2/-0.2				
S=1.5H	+0.3/-0.5					+0.4/-0.5				
S=2.0H	+0.6/-1.0					+0.5/-0.9				

Calculate in accordance with CIE Pub.117. The table is revised with 2381lm ($8\log(F/F_0) = 3.0$).

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

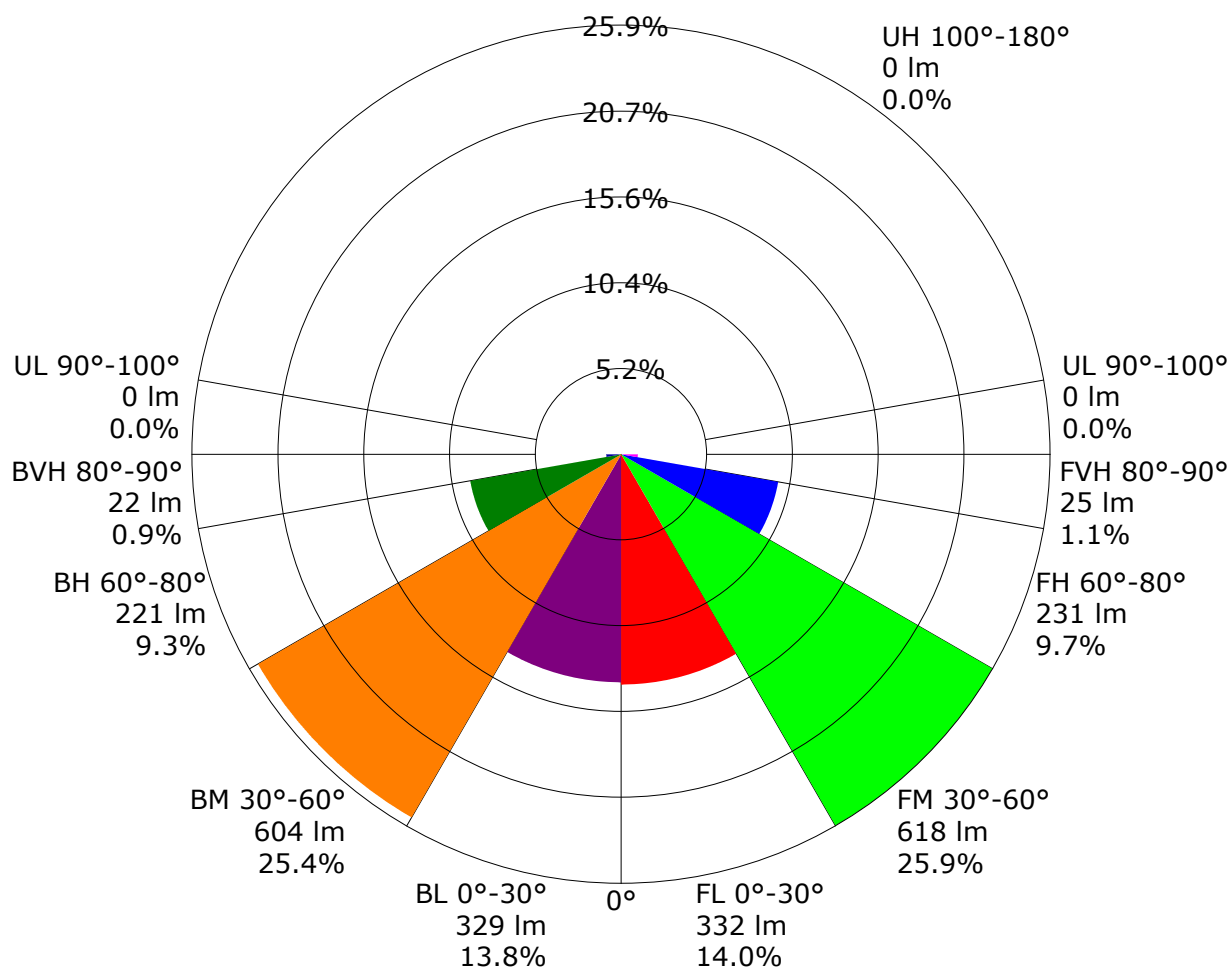
	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	1206	50.6
	FL (0°-30°)	332	14.0
	FM (30°-60°)	618	25.9
	FH (60°-80°)	231	9.7
	FVH (80°-90°)	25	1.1
	BACK LIGHT	1175	49.4
	BL (0°-30°)	329	13.8
	BM (30°-60°)	604	25.4
	BH (60°-80°)	221	9.3
	BVH (80°-90°)	22	0.9
	UP LIGHT	0	0.0
	UL (90°-100°)	0	0.0
	UH (100°-180°)	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)	B1 U1 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U1 G1

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



Back Light

Forward Light

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	0.87	0.92	0.96	1.00	1.03	
	0.30		0.49	0.60	0.67	0.73	0.81	0.87	0.91	0.96	1.00	
	0.20		0.43	0.54	0.61	0.67	0.76	0.82	0.86	0.93	0.97	
0.50	0.50	0.20	0.55	0.65	0.72	0.77	0.84	0.89	0.92	0.96	0.99	
	0.30		0.48	0.58	0.66	0.71	0.79	0.84	0.88	0.93	0.96	
	0.20		0.43	0.53	0.61	0.66	0.74	0.80	0.84	0.90	0.94	
0.30	0.50	0.20	0.54	0.63	0.70	0.75	0.81	0.86	0.89	0.93	0.95	
	0.30		0.47	0.57	0.64	0.70	0.77	0.82	0.85	0.90	0.93	
	0.20		0.43	0.53	0.60	0.65	0.73	0.78	0.82	0.87	0.91	
0.00	0.00	0.00	0.40	0.50	0.57	0.62	0.69	0.74	0.78	0.83	0.86	
Rating:22W 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(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	1.00	0.82	0.70	0.61	0.49	0.41	0.35	0.27	0.22	
	0.30		0.83	0.70	0.61	0.54	0.44	0.37	0.32	0.25	0.21	
	0.20		0.71	0.61	0.54	0.49	0.40	0.34	0.30	0.24	0.20	
0.50	0.50	0.20	0.96	0.79	0.67	0.59	0.47	0.42	0.33	0.26	0.21	
	0.30		0.81	0.69	0.59	0.52	0.43	0.36	0.31	0.24	0.20	
	0.20		0.71	0.61	0.53	0.48	0.39	0.33	0.29	0.23	0.19	
0.30	0.50	0.20	0.93	0.76	0.65	0.56	0.45	0.37	0.32	0.24	0.20	
	0.30		0.80	0.67	0.58	0.51	0.41	0.35	0.30	0.23	0.19	
	0.20		0.70	0.60	0.52	0.47	0.38	0.32	0.28	0.22	0.19	
0.00	0.00	0.00	0.60	0.50	0.43	0.38	0.31	0.26	0.22	0.17	0.14	
Rating:22W 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	0.21	0.21	0.22	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	0.21	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	0.19	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:22W 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	858.6	0.8	0.8	0.03	0.03
1.0-2.0	857.9	2.5	3.3	0.10	0.14
2.0-3.0	857.1	4.1	7.4	0.17	0.31
3.0-4.0	856.3	5.7	13.1	0.24	0.55
4.0-5.0	855.4	7.4	20.5	0.31	0.86
5.0-6.0	853.7	9.0	29.4	0.38	1.24
6.0-7.0	851.1	10.6	40.0	0.44	1.68
7.0-8.0	848.5	12.1	52.2	0.51	2.19
8.0-9.0	846.2	13.7	65.9	0.58	2.77
9.0-10.0	843.3	15.3	81.1	0.64	3.41
10.0-11.0	839.9	16.8	97.9	0.70	4.11
11.0-12.0	836.2	18.3	116.2	0.77	4.88
12.0-13.0	832.4	19.8	136.0	0.83	5.71
13.0-14.0	828.1	21.2	157.2	0.89	6.60
14.0-15.0	823.7	22.6	179.8	0.95	7.55
15.0-16.0	819.0	24.0	203.8	1.01	8.56
16.0-17.0	813.6	25.3	229.1	1.06	9.62
17.0-18.0	807.8	26.6	255.8	1.12	10.74
18.0-19.0	802.0	27.9	283.7	1.17	11.91
19.0-20.0	796.1	29.1	312.8	1.22	13.14
20.0-21.0	789.7	30.3	343.1	1.27	14.41
21.0-22.0	782.7	31.5	374.6	1.32	15.73
22.0-23.0	775.4	32.5	407.1	1.37	17.10
23.0-24.0	768.4	33.6	440.7	1.41	18.51
24.0-25.0	760.9	34.6	475.3	1.45	19.96
25.0-26.0	753.2	35.6	510.9	1.49	21.46
26.0-27.0	744.8	36.4	547.3	1.53	22.99
27.0-28.0	736.0	37.3	584.6	1.57	24.55
28.0-29.0	727.9	38.1	622.7	1.60	26.15
29.0-30.0	719.1	38.8	661.5	1.63	27.78
30.0-31.0	709.9	39.5	701.0	1.66	29.44
31.0-32.0	700.1	40.1	741.1	1.68	31.13
32.0-33.0	690.2	40.7	781.8	1.71	32.83
33.0-34.0	681.0	41.2	823.0	1.73	34.57
34.0-35.0	670.6	41.7	864.7	1.75	36.32
35.0-36.0	660.0	42.0	906.7	1.77	38.08

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	649.9	42.4	949.1	1.78	39.86
37.0-38.0	638.8	42.6	991.8	1.79	41.65
38.0-39.0	627.6	42.8	1034.6	1.80	43.45
39.0-40.0	616.5	43.0	1077.6	1.81	45.26
40.0-41.0	605.2	43.1	1120.7	1.81	47.07
41.0-42.0	594.2	43.2	1163.9	1.81	48.88
42.0-43.0	582.5	43.2	1207.0	1.81	50.69
43.0-44.0	570.3	43.0	1250.1	1.81	52.50
44.0-45.0	558.5	42.9	1293.0	1.80	54.30
45.0-46.0	546.1	42.7	1335.7	1.79	56.10
46.0-47.0	533.7	42.5	1378.2	1.78	57.88
47.0-48.0	521.3	42.1	1420.3	1.77	59.65
48.0-49.0	508.6	41.8	1462.1	1.75	61.41
49.0-50.0	496.3	41.4	1503.5	1.74	63.14
50.0-51.0	483.5	40.9	1544.4	1.72	64.86
51.0-52.0	470.5	40.4	1584.8	1.70	66.56
52.0-53.0	457.5	39.8	1624.6	1.67	68.23
53.0-54.0	444.4	39.2	1663.7	1.65	69.87
54.0-55.0	431.2	38.5	1702.2	1.62	71.49
55.0-56.0	417.6	37.7	1740.0	1.59	73.08
56.0-57.0	404.2	37.0	1776.9	1.55	74.63
57.0-58.0	391.3	36.2	1813.1	1.52	76.15
58.0-59.0	377.5	35.3	1848.4	1.48	77.63
59.0-60.0	363.9	34.4	1882.8	1.44	79.08
60.0-61.0	350.5	33.5	1916.3	1.40	80.48
61.0-62.0	336.8	32.5	1948.7	1.36	81.84
62.0-63.0	323.2	31.4	1980.2	1.32	83.16
63.0-64.0	309.4	30.4	2010.5	1.28	84.44
64.0-65.0	295.9	29.3	2039.8	1.23	85.67
65.0-66.0	282.5	28.2	2068.0	1.18	86.85
66.0-67.0	268.7	27.0	2095.0	1.13	87.99
67.0-68.0	254.9	25.8	2120.9	1.08	89.07
68.0-69.0	241.3	24.6	2145.5	1.03	90.11
69.0-70.0	227.8	23.4	2168.9	0.98	91.09
70.0-71.0	214.7	22.2	2191.1	0.93	92.02
71.0-72.0	201.2	20.9	2212.0	0.88	92.90

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:

[illegible]

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	864.7	862.0	859.7	856.8	854.6	856.2	864.7	862.0	859.7	856.8
G1.0	860.3	861.7	859.5	858.7	856.0	855.6	860.9	861.0	857.8	857.0
G2.0	858.7	857.4	858.0	856.7	856.4	856.1	862.8	863.1	859.1	855.7
G3.0	855.1	856.5	858.1	857.8	858.8	856.6	860.6	860.4	859.1	854.3
G4.0	855.8	855.1	853.6	857.1	857.4	856.6	863.3	860.6	857.2	853.8
G5.0	854.9	854.0	854.7	854.4	856.4	857.1	862.2	859.2	855.8	851.8
G6.0	849.8	850.3	854.9	852.8	855.4	854.9	860.7	857.3	853.0	852.5
G7.0	845.5	845.7	850.3	852.0	853.4	854.8	858.3	854.8	851.5	846.6
G8.0	842.9	845.5	848.2	850.9	849.9	849.9	860.8	851.4	849.0	841.9
G9.0	840.2	842.9	843.5	848.0	850.8	849.2	855.6	853.1	845.7	841.9
G10.0	835.6	837.6	843.5	844.6	846.6	847.9	853.8	848.0	844.9	837.7
G11.0	833.1	833.8	839.3	840.0	847.5	846.9	850.9	842.6	841.0	832.5
G12.0	828.0	826.6	833.0	838.3	840.4	842.1	848.4	843.7	834.2	831.7
G13.0	820.8	823.7	829.5	833.3	838.9	840.3	847.1	840.4	831.3	826.5
G14.0	815.3	818.5	823.5	829.0	834.5	837.6	841.9	835.2	830.3	819.2
G15.0	809.0	813.5	821.7	826.3	834.6	831.9	838.4	830.3	823.0	817.2
G16.0	804.9	807.2	813.9	820.5	826.1	827.2	831.7	827.9	818.9	810.1
G17.0	798.1	801.5	808.2	815.2	821.3	825.7	830.4	823.1	813.5	804.5
G18.0	791.9	799.2	804.5	809.4	816.1	817.5	821.8	818.8	806.1	798.4
G19.0	786.1	791.2	798.0	806.7	811.6	813.7	816.8	810.3	803.0	792.3
G20.0	776.5	785.0	791.1	799.5	804.5	807.9	811.5	805.1	796.5	786.9
G21.0	769.3	774.0	785.5	794.2	800.0	802.0	806.8	800.5	789.6	778.9
G22.0	761.5	770.0	779.9	786.5	795.1	794.6	798.6	793.3	781.3	770.8
G23.0	755.3	758.7	769.7	779.7	786.8	787.8	793.5	786.1	777.4	763.2
G24.0	747.4	753.6	762.2	773.9	775.6	783.1	788.8	779.2	767.8	756.3
G25.0	736.7	744.6	754.5	766.8	773.0	773.4	780.3	771.8	762.2	748.5
G26.0	728.7	736.4	746.4	757.6	768.0	768.7	773.6	763.8	752.2	743.2
G27.0	718.9	726.4	737.3	749.0	756.2	760.2	763.8	757.1	743.4	730.3
G28.0	711.1	717.5	728.5	742.7	750.9	752.7	758.1	746.4	734.5	724.9
G29.0	702.7	708.2	722.8	732.3	741.5	743.2	748.5	741.4	727.9	715.4
G30.0	691.2	698.4	709.1	722.6	733.6	738.1	741.4	732.9	718.7	705.2
G31.0	682.1	690.9	702.9	714.6	721.6	729.1	731.3	725.1	708.3	696.1
G32.0	671.9	678.2	691.8	701.9	713.8	717.6	722.5	714.7	699.9	684.1
G33.0	660.2	670.1	681.3	694.2	706.3	709.7	713.5	706.3	690.7	674.0
G34.0	652.4	660.3	674.4	687.3	696.5	700.8	705.4	695.5	680.7	665.6
G35.0	638.2	647.0	660.3	674.7	685.1	689.7	694.5	683.3	669.6	655.0
G36.0	629.8	637.4	650.7	664.3	676.8	678.8	685.7	675.9	661.8	643.8

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	618.3	625.5	641.3	654.0	667.4	670.1	674.5	664.7	650.7	634.8
G38.0	605.0	614.1	628.1	644.3	652.8	658.5	663.3	655.0	640.0	623.7
G39.0	594.1	604.2	619.4	632.4	644.5	649.7	652.5	642.0	627.7	613.2
G40.0	580.1	592.4	606.0	620.1	632.6	637.3	642.2	633.8	617.4	600.2
G41.0	569.9	581.0	594.3	611.1	621.0	628.5	630.4	619.9	605.2	589.5
G42.0	558.6	568.8	583.6	600.0	611.2	614.9	621.0	611.3	596.6	578.9
G43.0	546.4	554.6	570.8	586.9	599.3	603.5	608.3	597.1	583.7	566.8
G44.0	534.0	543.2	559.0	574.9	588.9	592.6	597.5	584.4	571.2	555.1
G45.0	523.2	531.2	548.2	563.4	575.3	580.8	586.4	576.0	559.6	542.1
G46.0	508.0	519.3	533.7	550.3	562.7	567.3	572.9	562.2	547.4	529.2
G47.0	495.6	506.8	523.6	538.4	549.8	555.8	561.8	550.9	534.9	518.7
G48.0	483.3	493.3	508.2	525.1	537.0	543.8	549.4	537.3	523.3	505.6
G49.0	469.4	481.2	497.6	513.9	524.5	531.6	536.4	525.6	510.4	492.7
G50.0	458.2	467.7	483.6	500.5	513.3	520.0	523.7	514.8	497.4	479.8
G51.0	444.9	453.1	471.4	489.6	500.0	505.0	511.3	501.0	485.5	466.6
G52.0	431.5	441.1	458.8	475.9	487.9	493.3	496.8	487.4	470.1	453.5
G53.0	418.2	428.5	446.4	460.6	474.7	479.1	486.2	475.5	459.1	441.8
G54.0	405.5	413.8	430.9	449.0	461.4	467.2	472.8	461.6	445.7	427.6
G55.0	390.6	402.4	419.4	434.8	448.7	453.5	460.5	447.6	432.4	414.9
G56.0	377.1	386.8	405.8	421.1	434.0	439.4	446.0	435.4	417.9	400.6
G57.0	364.8	375.6	392.3	409.0	420.4	426.6	432.5	422.2	406.7	388.0
G58.0	351.4	361.8	378.5	396.2	408.4	414.8	419.4	408.6	392.6	374.5
G59.0	336.6	347.3	363.8	380.5	393.8	399.1	404.6	394.7	380.3	361.5
G60.0	324.6	333.8	352.4	368.4	382.0	386.1	391.9	380.7	365.3	347.5
G61.0	309.2	320.1	338.2	354.2	367.1	372.6	376.2	367.0	352.1	335.5
G62.0	296.6	306.2	324.1	340.1	353.2	359.0	364.5	355.1	338.6	321.2
G63.0	282.4	294.2	310.2	326.4	340.0	345.1	350.7	339.6	325.8	306.7
G64.0	269.4	279.5	296.2	313.1	325.5	332.2	336.1	326.6	311.0	293.4
G65.0	255.8	266.2	283.1	299.4	311.4	317.4	323.2	312.9	298.6	279.9
G66.0	243.3	253.7	269.7	286.7	298.7	304.3	308.4	298.9	284.6	267.4
G67.0	228.8	238.5	255.7	272.2	283.5	289.8	294.1	284.7	269.9	253.0
G68.0	215.5	225.9	242.8	258.2	270.6	275.6	280.5	271.8	257.9	240.3
G69.0	201.7	212.3	228.1	244.5	256.2	261.1	266.0	257.6	243.4	226.9
G70.0	189.0	198.8	214.5	230.9	242.9	248.6	252.9	244.5	230.0	214.0
G71.0	176.1	186.7	202.2	217.4	229.3	234.0	239.1	231.6	217.6	200.9
G72.0	162.2	172.8	188.2	203.4	214.7	219.8	225.7	216.9	202.7	186.8
G73.0	149.9	160.5	175.8	190.9	201.8	206.7	211.8	203.7	191.1	174.9

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:

Unit: 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:

Candlepower Table (Continue 3)

Unit: cd

G\C	C300.0	C330.0	C360.0							
G0.0	854.6	856.2	864.7							
G1.0	854.5	856.1	860.3							
G2.0	855.2	852.6	858.7							
G3.0	852.8	849.1	855.1							
G4.0	850.3	851.7	855.8							
G5.0	851.2	846.1	854.9							
G6.0	846.7	842.7	849.8							
G7.0	841.5	841.1	845.5							
G8.0	840.4	839.0	842.9							
G9.0	833.8	834.5	840.2							
G10.0	829.8	830.0	835.6							
G11.0	824.8	824.4	833.1							
G12.0	824.8	819.9	828.0							
G13.0	818.7	815.4	820.8							
G14.0	813.8	810.7	815.3							
G15.0	809.5	805.2	809.0							
G16.0	803.2	803.2	804.9							
G17.0	796.3	792.6	798.1							
G18.0	788.1	784.8	791.9							
G19.0	782.6	777.9	786.1							
G20.0	777.7	773.0	776.5							
G21.0	770.2	765.7	769.3							
G22.0	763.1	754.5	761.5							
G23.0	754.4	748.7	755.3							
G24.0	747.3	744.5	747.4							
G25.0	737.9	732.7	736.7							
G26.0	731.4	725.6	728.7							
G27.0	721.0	715.5	718.9							
G28.0	710.5	707.6	711.1							
G29.0	700.9	699.3	702.7							
G30.0	694.9	688.8	691.2							
G31.0	683.4	677.5	682.1							
G32.0	673.8	668.4	671.9							
G33.0	662.0	656.9	660.2							
G34.0	652.8	647.3	652.4							
G35.0	642.0	637.1	638.2							
G36.0	632.9	625.9	629.8							

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	621.0	612.6	618.3							
G38.0	608.3	602.8	605.0							
G39.0	596.5	590.8	594.1							
G40.0	586.3	580.7	580.1							
G41.0	575.3	569.0	569.9							
G42.0	564.2	556.4	558.6							
G43.0	551.3	545.2	546.4							
G44.0	539.2	532.2	534.0							
G45.0	526.6	519.7	523.2							
G46.0	513.5	507.1	508.0							
G47.0	504.1	495.1	495.6							
G48.0	488.2	481.8	483.3							
G49.0	477.4	470.6	469.4							
G50.0	463.3	458.4	458.2							
G51.0	450.7	444.7	444.9							
G52.0	438.1	433.0	431.5							
G53.0	423.9	418.7	418.2							
G54.0	411.1	405.1	405.5							
G55.0	400.0	392.7	390.6							
G56.0	384.1	377.6	377.1							
G57.0	370.9	365.2	364.8							
G58.0	358.8	351.6	351.4							
G59.0	344.6	336.6	336.6							
G60.0	332.2	324.5	324.6							
G61.0	317.9	312.4	309.2							
G62.0	304.9	297.0	296.6							
G63.0	290.7	283.9	282.4							
G64.0	278.1	269.5	269.4							
G65.0	264.9	257.1	255.8							
G66.0	251.0	244.1	243.3							
G67.0	237.7	229.8	228.8							
G68.0	224.8	216.6	215.5							
G69.0	210.4	203.2	201.7							
G70.0	198.5	190.0	189.0							
G71.0	185.0	178.2	176.1							
G72.0	172.2	164.8	162.2							
G73.0	159.9	152.6	149.9							

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:

Unit: 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: