

Report No.:

Test Time: 2024-11-09 10:30

Luminaire Property

Luminaire Manufacturer: 6741
Luminous Length (mm): 120
Luminous Height (mm): 30
Current: 0.145 A
Power Factor: 1.000

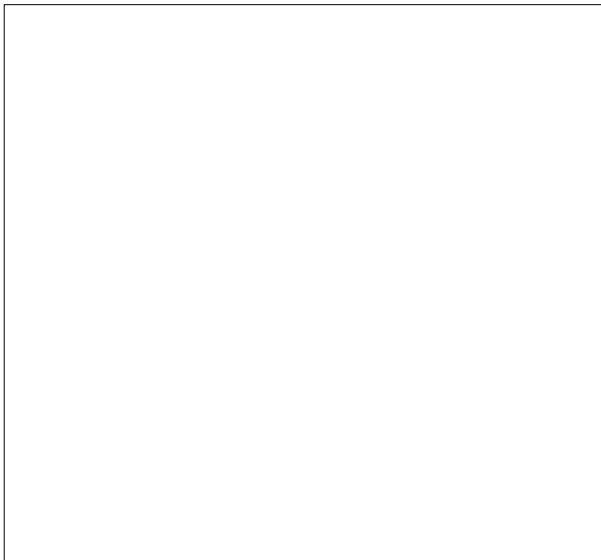
Luminous Width (mm): 30
Voltage: 48.0 V
Power: 6.96 W

Photometric Results

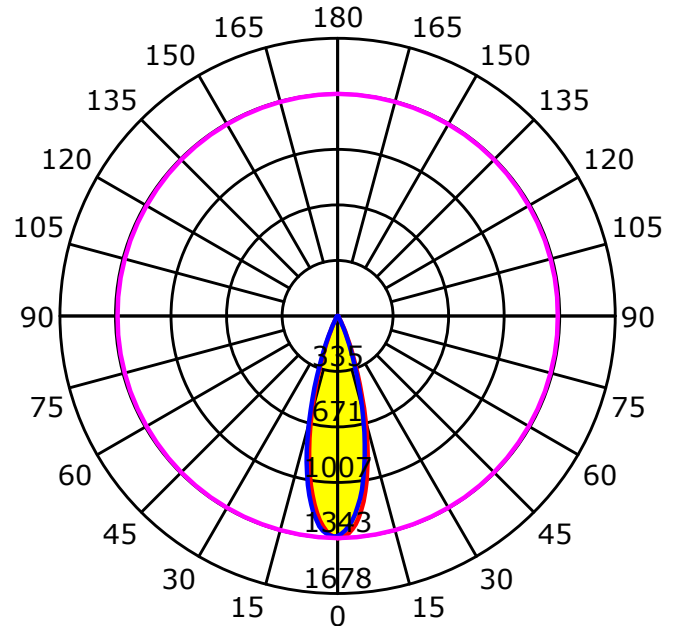
CIE Class: Direct
Measurement Flux: 367.8 lm
Downward Ratio: 99%
Horizontal Diffuse Angle(10%,50%,75%,100%): H48.5,H28.8,H19.6,H0
Vertical Diffuse Angle(10%,50%,75%,100%): V48.2,V28.8,V19.5,V1
Luminaire Efficacy Rating (LER): 52.90
Max. Intensity: 1343.19 cd
S/MH(C0/C180): 0.49

Total Rated Lamp Lumens: 367.8 lm
Efficiency: 100%
Upward Ratio: 1%
Central Intensity: 1343.19 cd
Pos of Max. Intensity: H0 V0
S/MH(C90/C270): 0.49

Picture Of Luminaire



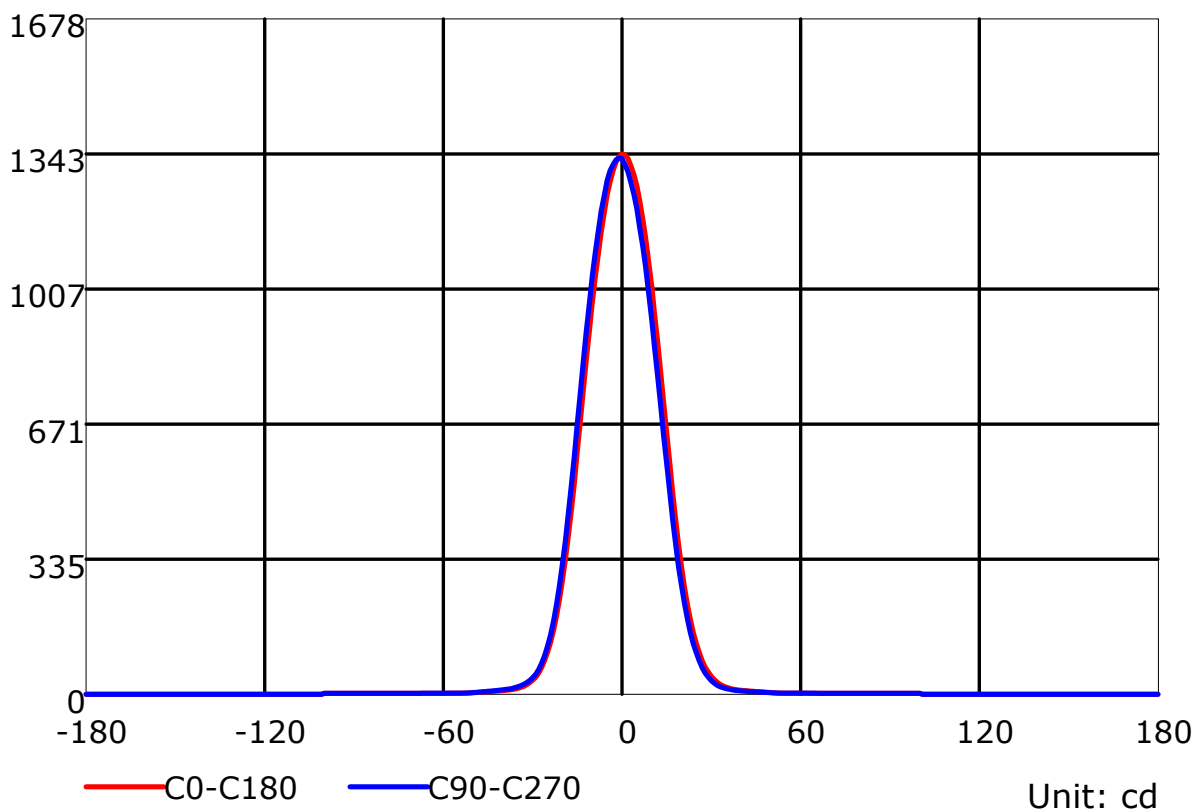
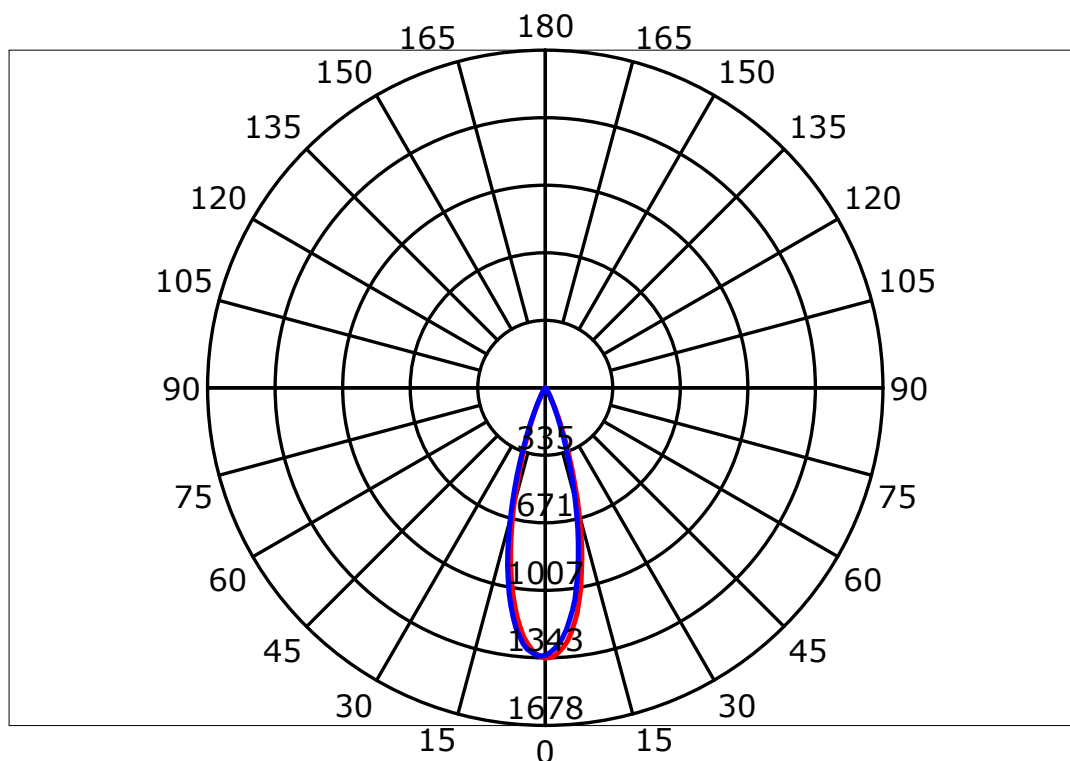
Luminous Intensity Distribution Curve



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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.754 m
Humidity:
Inspector:

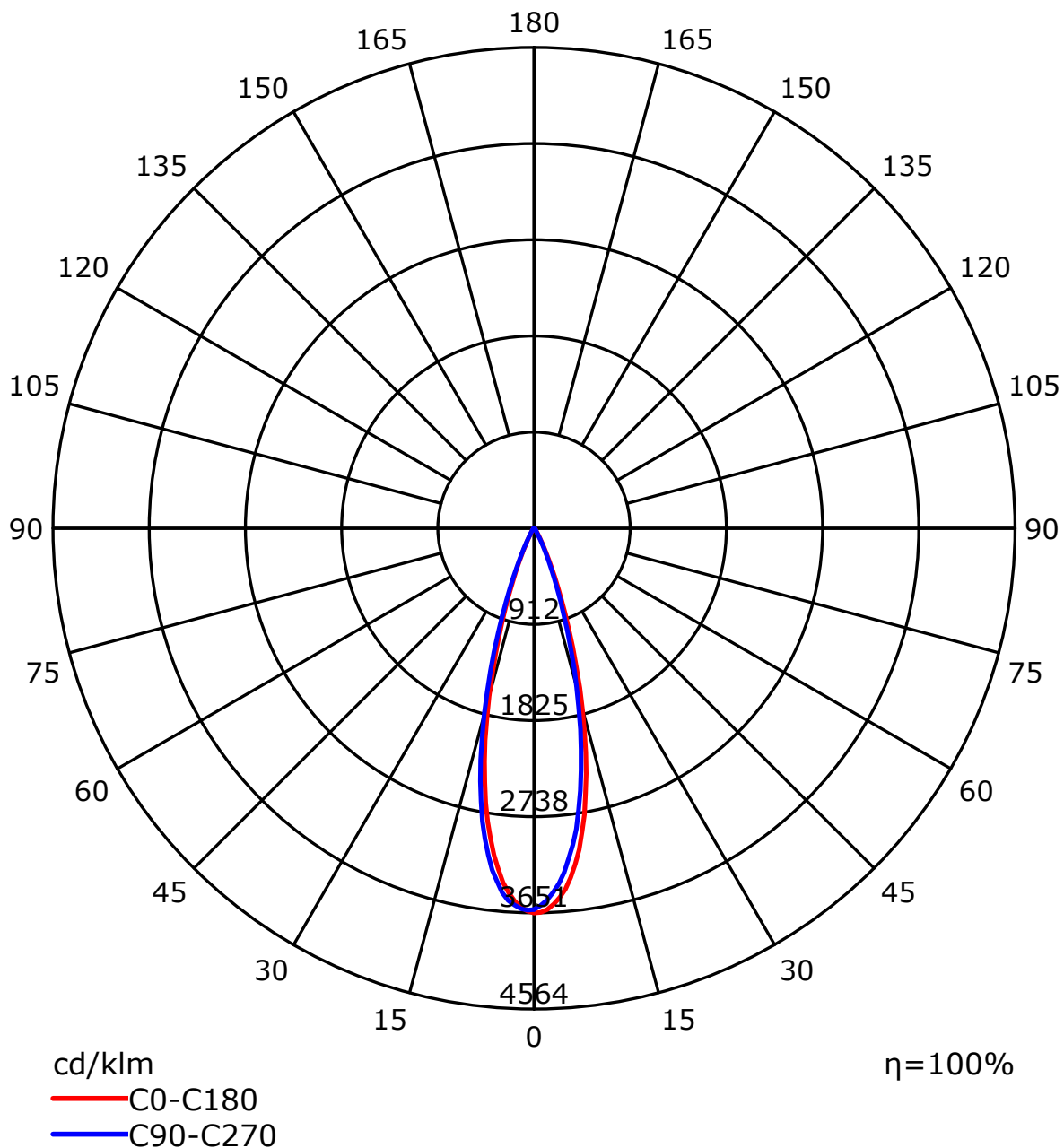
Luminous Intensity Distribution Curve



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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.754 m
Humidity:
Inspector:

Luminous Intensity Distribution Curve(cd/klm)



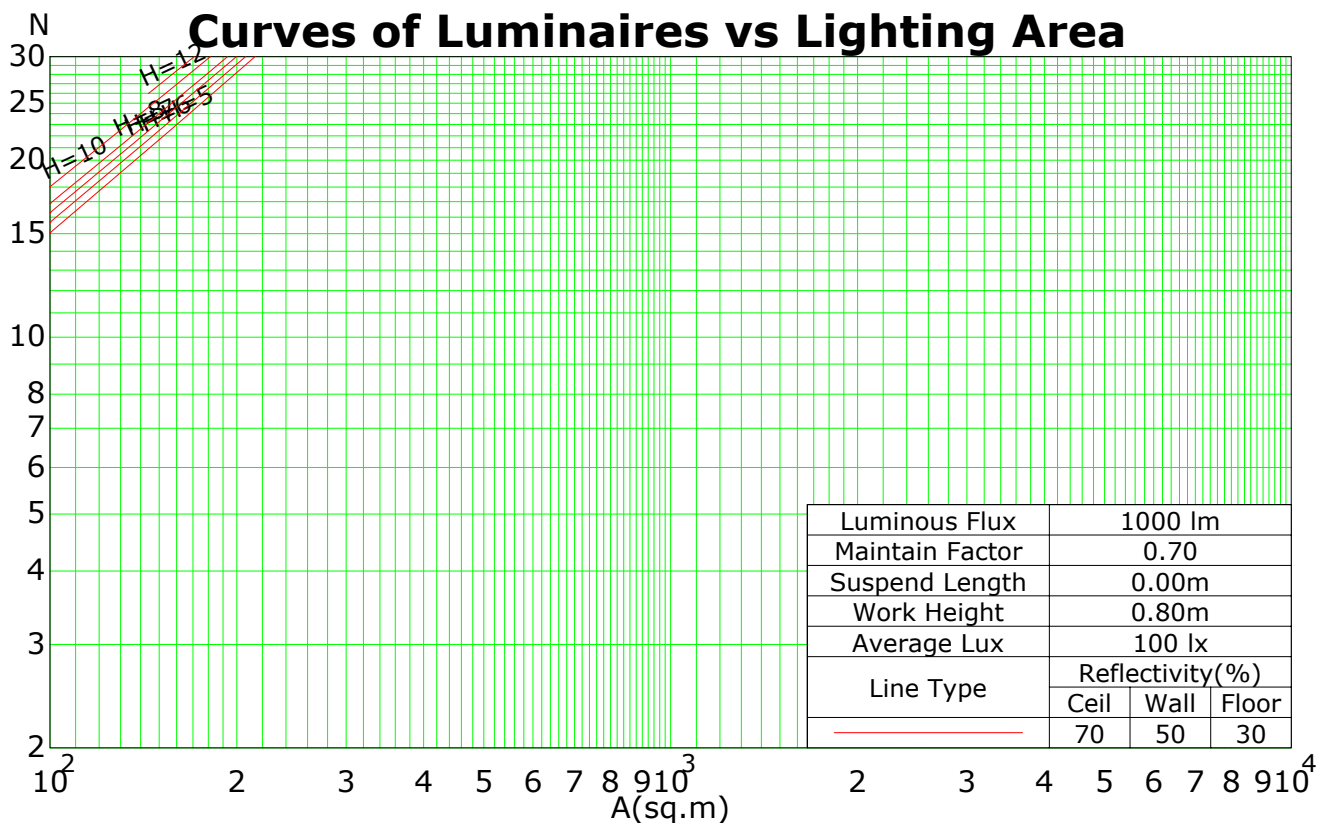
C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.754 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	101	101	101	99
1	114	112	109	108	112	109	108	106	105	104	102	101	100	99	98	97	96	94
2	110	106	102	100	108	104	101	99	101	98	96	98	96	94	95	93	92	90
3	106	101	97	94	104	99	96	93	97	94	91	94	92	90	92	90	88	87
4	102	96	92	89	101	95	91	88	93	90	87	91	88	86	89	87	85	84
5	99	93	88	85	98	92	88	84	90	86	84	88	85	83	87	84	82	81
6	96	89	85	81	95	88	84	81	87	83	81	86	82	80	84	82	79	78
7	93	86	82	78	92	85	81	78	84	80	78	83	80	77	82	79	77	76
8	90	83	79	76	89	83	78	75	82	78	75	81	77	75	80	77	74	73
9	88	81	76	73	87	80	76	73	79	75	73	78	75	73	78	75	72	71
10	85	78	74	71	84	78	74	71	77	73	71	76	73	70	76	72	70	69

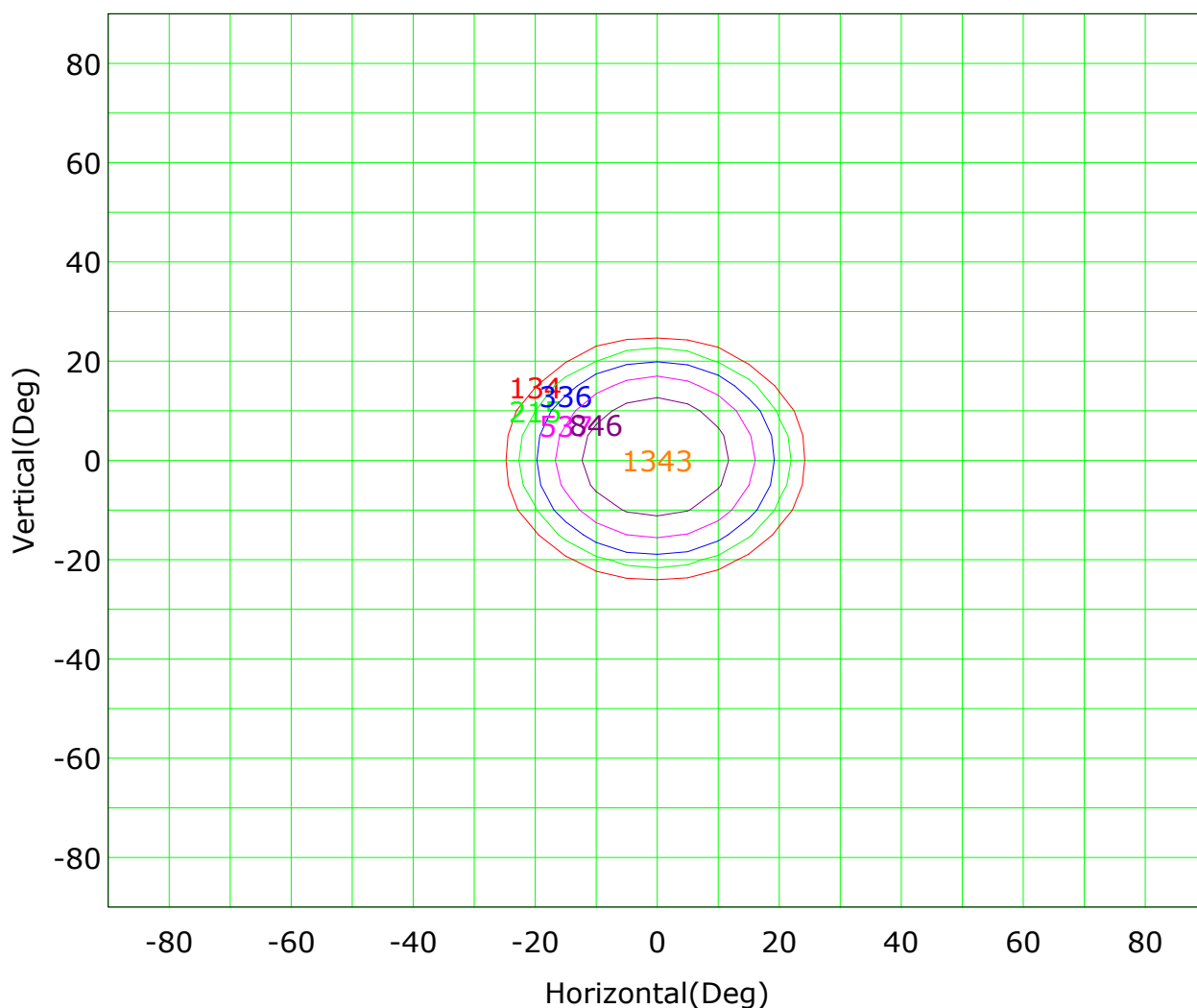
Spacing Criteria (0-180): 0.49
Spacing Criteria (90-270): 0.49
Spacing Criteria (Diagonal): 0.47



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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.754 m
Humidity:
Inspector:

Isocandela (rectangle)



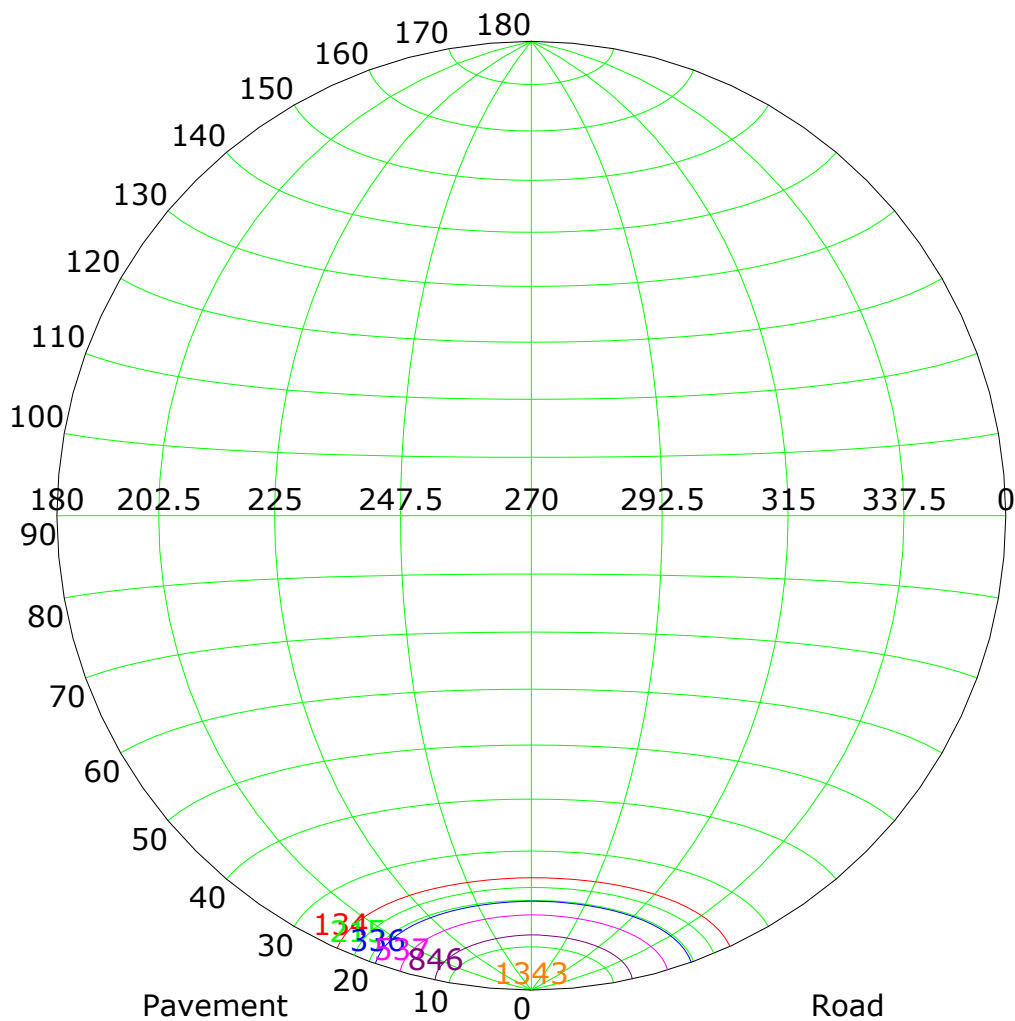
Imax (100%): 1343 cd

(10%): 134 cd	(16%): 215 cd
(25%): 336 cd	(40%): 537 cd
(63%): 846 cd	(100%): 1343 cd

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.754 m
Humidity:
Inspector:

Isocandela (sphere)



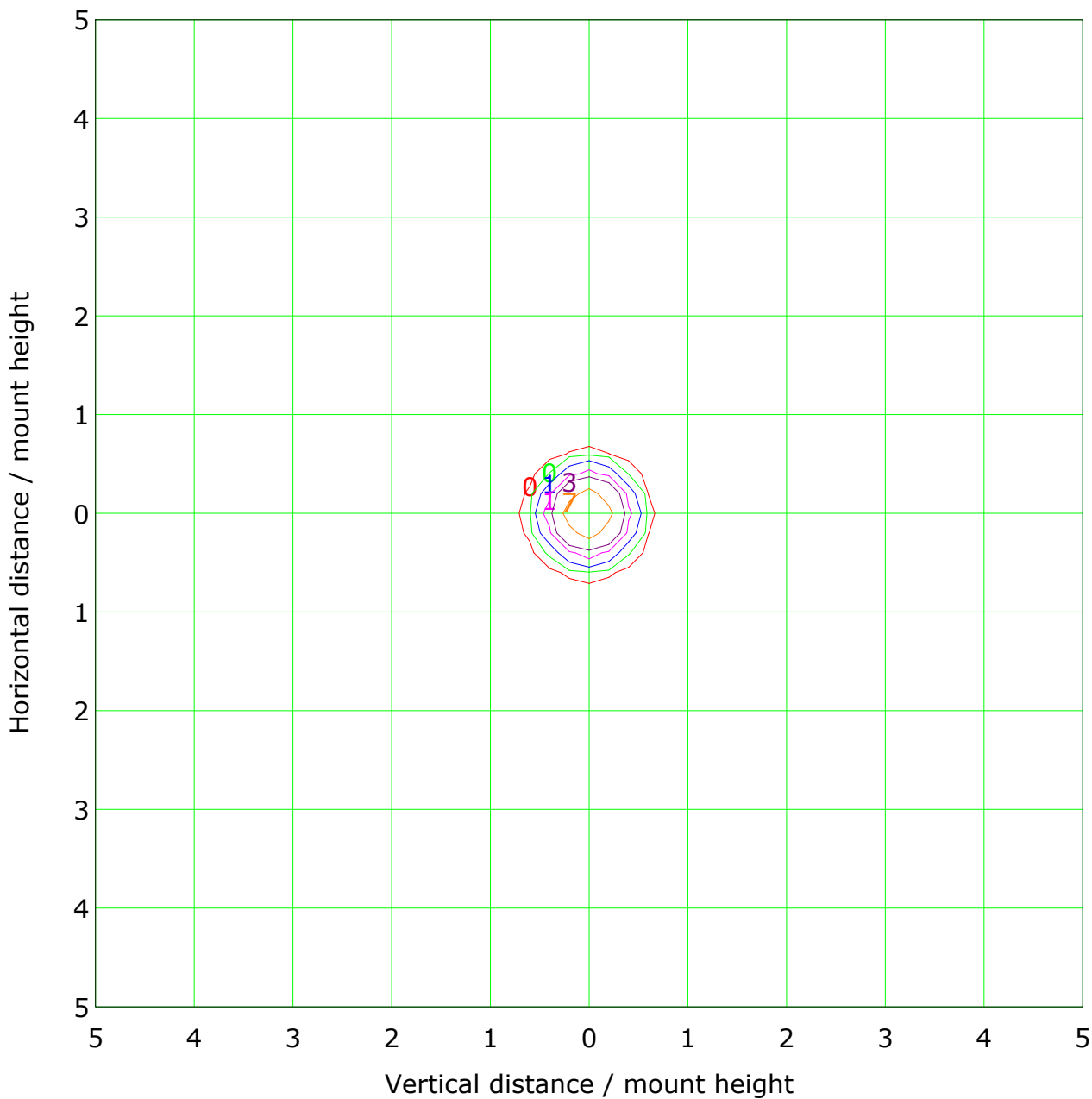
Imax (100%): 1343 cd

— (10%):	134 cd	— (16%):	215 cd
— (25%):	336 cd	— (40%):	537 cd
— (63%):	846 cd	— (100%):	1343 cd

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.754 m
Humidity:
Inspector:

IsoLux Plot



Mounting Height: 10.0m Max Lux(100%): 13.4 lx

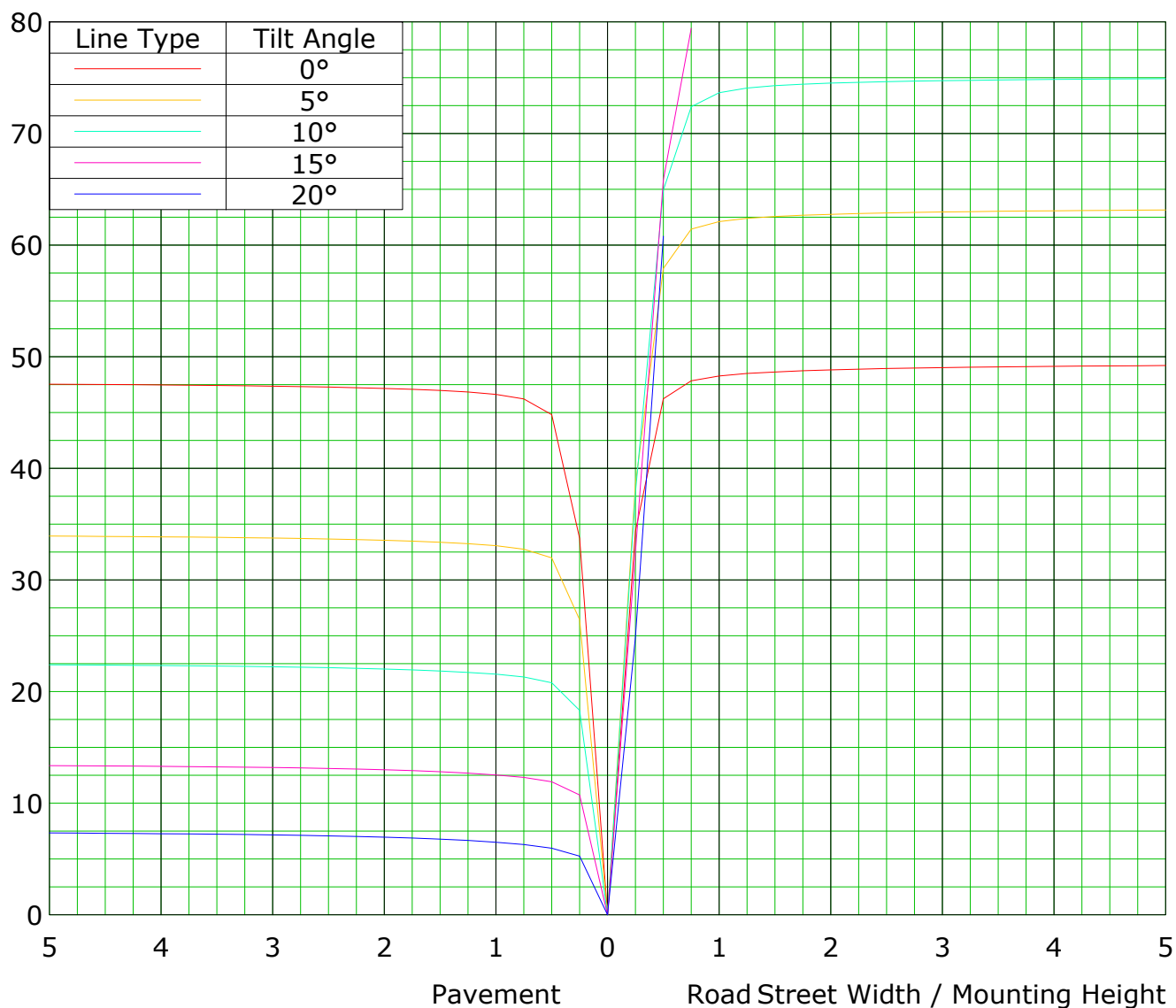
— (1%): 0.1 lx	— (2%): 0.3 lx
— (5%): 0.7 lx	— (10%): 1.3 lx
— (20%): 2.7 lx	— (50%): 6.7 lx
— (100%): 13.4 lx	

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.754 m
Humidity:
Inspector:

Roadway CU Curve

Efficiency(%)

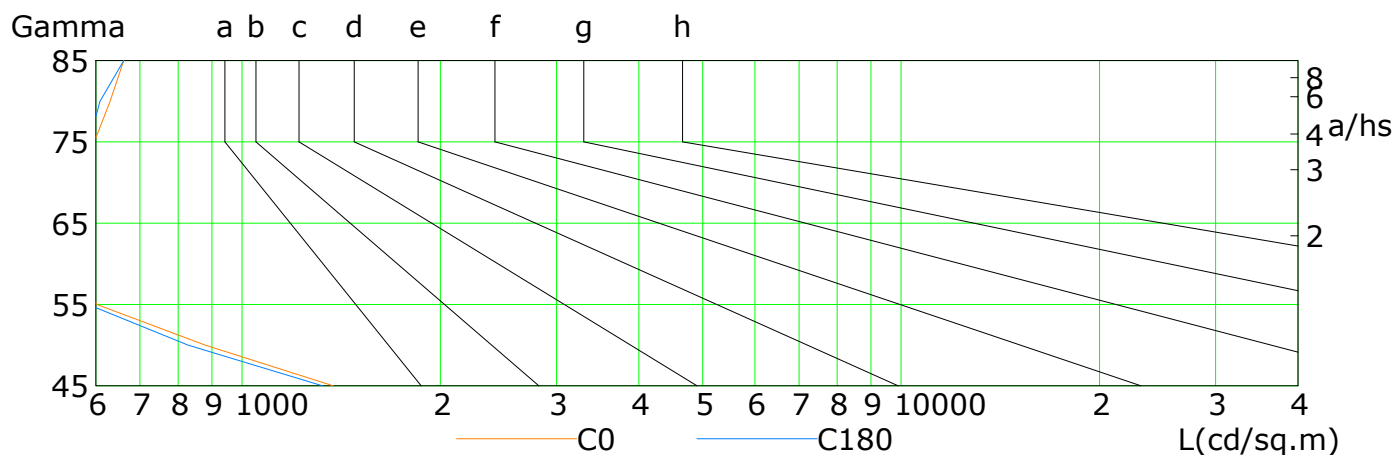
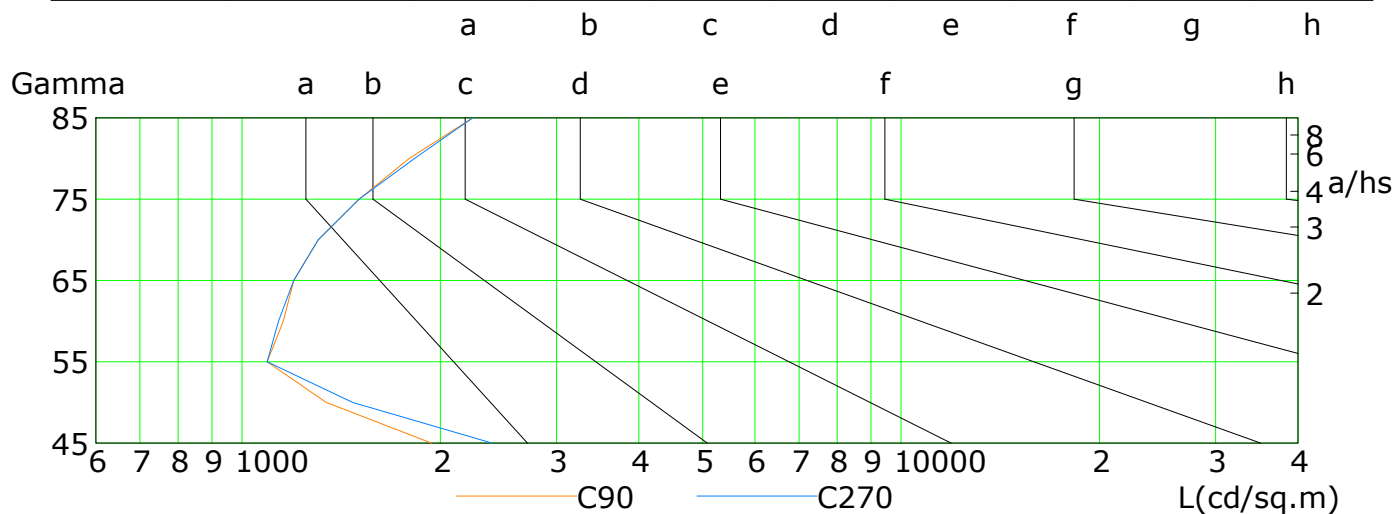


C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.754 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



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	1375	879	602	561	558	579	596	631	662
C90	1939	1342	1092	1155	1198	1305	1505	1793	2239
C180	1324	828	584	543	539	559	585	609	662
C270	2395	1472	1092	1136	1198	1305	1505	1826	2239

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

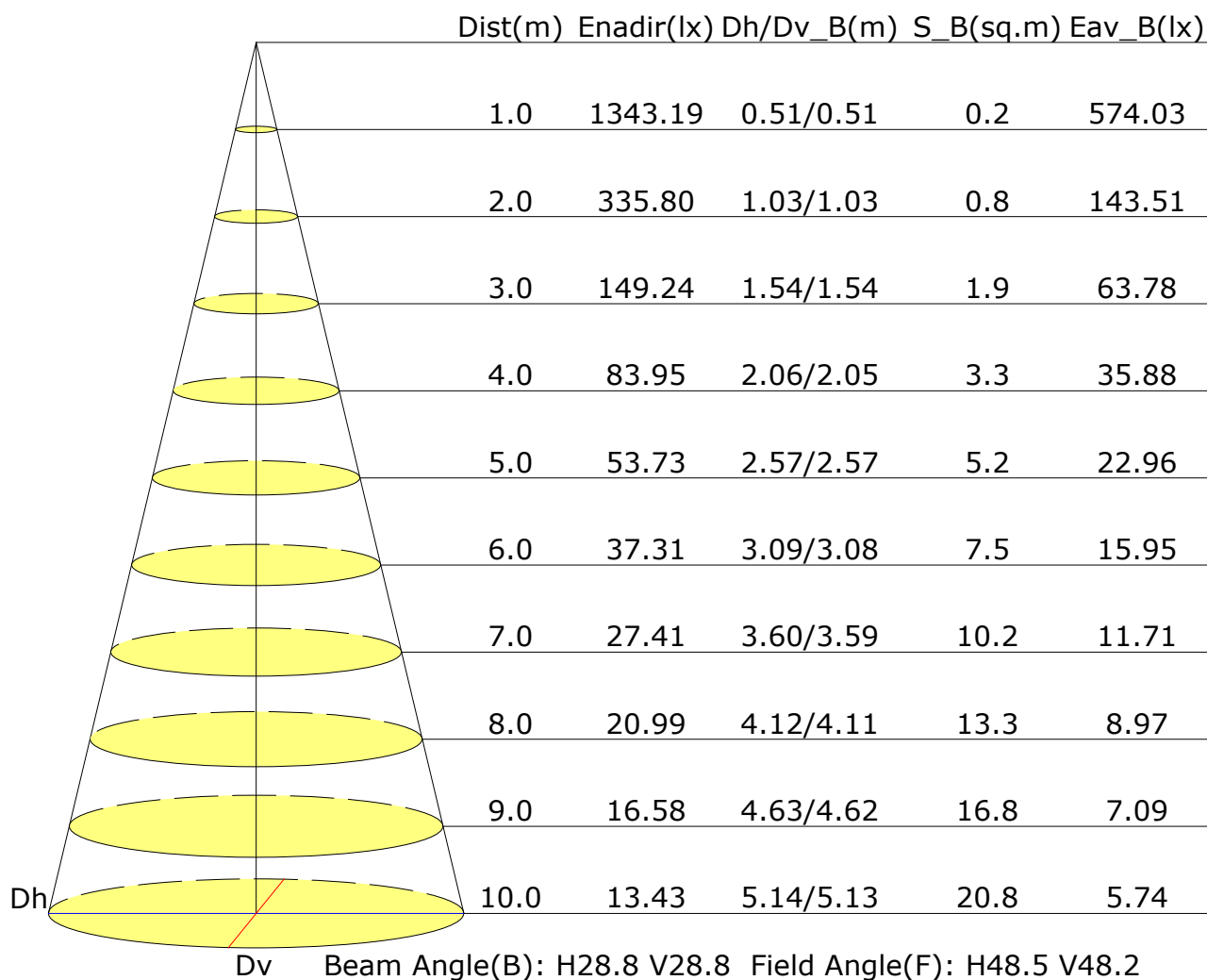
Test Device: GPM-1600L

Distance: 7.754 m

Humidity:

Inspector:

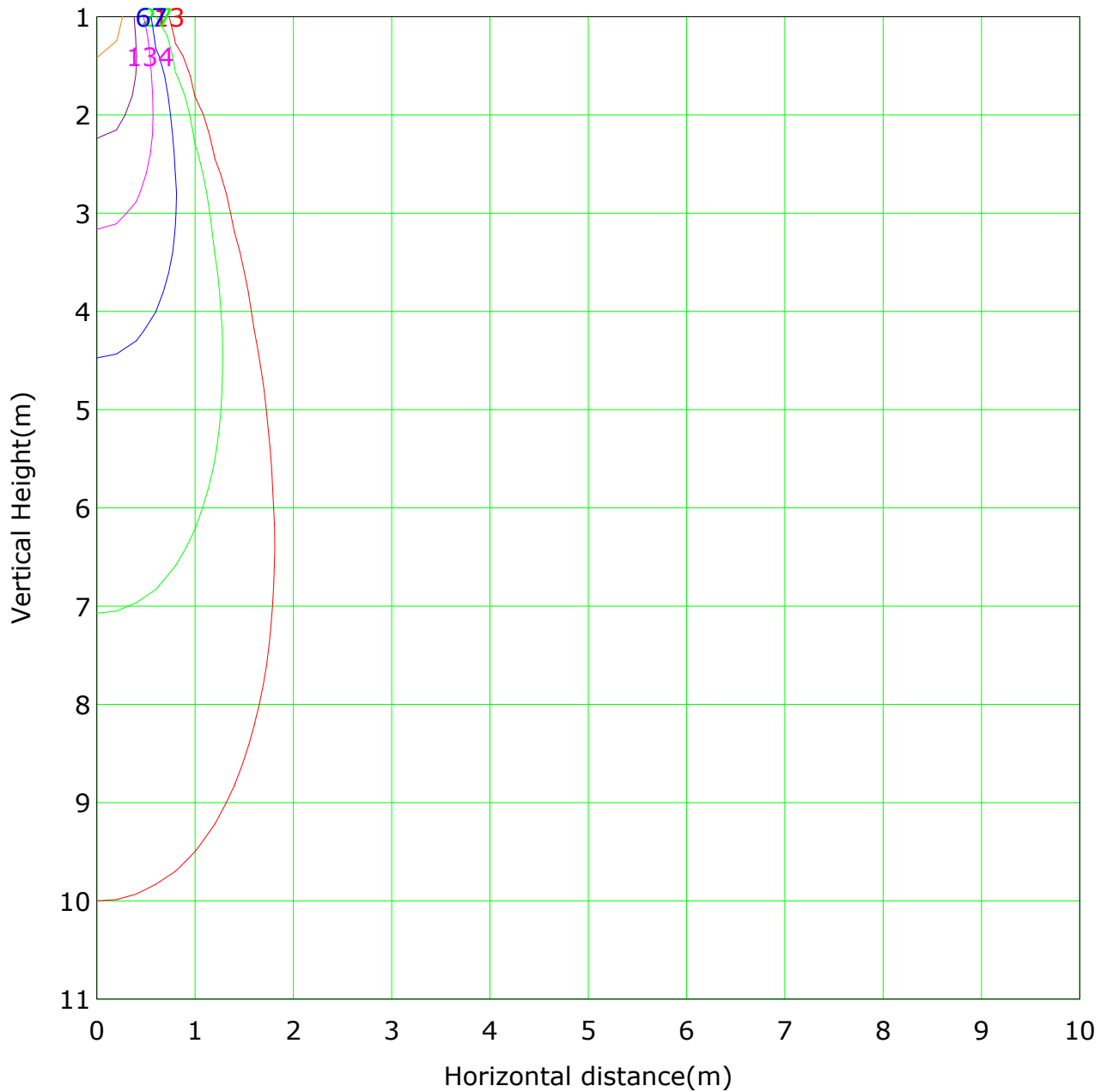
Illuminance at a Distance



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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.754 m
Humidity:
Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1343.2 lx
— (1%): 13.4 lx — (2%): 26.9 lx
— (5%): 67.2 lx — (10%): 134.3 lx
— (20%): 268.6 lx — (50%): 671.6 lx
— (100%):1343.2 lx

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.754 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(E)	Flux(TT)	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	0.1	0.1	0.1	0.1	0.1	0.9	0.0
		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	0.1	0.1	0.1	0.1	0.1	0.9	0.0
0.1	0.4	0.6	0.9	1.4	2.8	11.5	52.2	109.1	110.8	55.3	13.0	3.1	1.5	0.9	0.6	0.4	0.1	365					
0.0	0.0	0.0	0.0	0.0	0.0	3.8	46.4	104.0	105.6	49.5	5.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	314	
-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(TT)	Flux(E)			
Horizontal plane																							

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

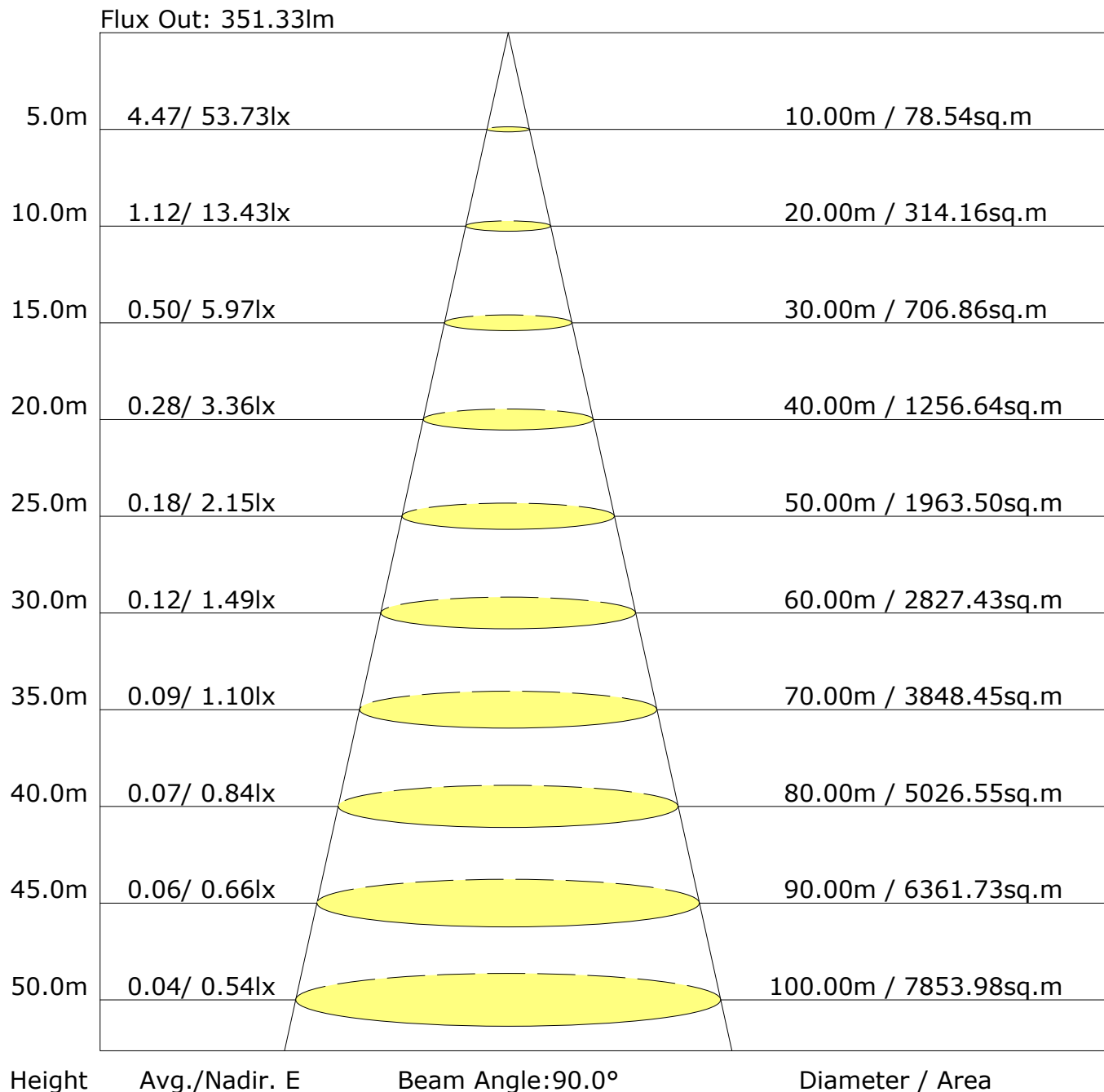
Test Device: GPM-1600L

Distance: 7.754 m

Humidity:

Inspector:

The Average Illuminance Effective Figure



UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	3.9	4.6	4.2	4.8	5.0	4.7	5.3	4.9	5.5	5.8
3H	4.9	5.5	5.1	5.7	5.9	6.0	6.6	6.3	6.9	7.1
4H	5.5	6.1	5.9	6.4	6.7	7.0	7.6	7.4	7.9	8.1
6H	6.4	6.9	6.7	7.2	7.5	8.3	8.8	8.7	9.1	9.4
8H	6.9	7.4	7.2	7.7	8.0	9.0	9.6	9.4	9.9	10.2
12H	7.4	7.8	7.7	8.2	8.5	9.8	10.3	10.2	10.6	11.0
X=4H Y=2H	4.2	4.8	4.5	5.0	5.3	4.9	5.5	5.2	5.7	6.0
3H	5.5	6.0	5.8	6.3	6.6	6.5	7.0	6.9	7.3	7.7
4H	6.4	6.8	6.8	7.2	7.5	7.7	8.2	8.1	8.5	8.9
6H	7.5	7.9	7.9	8.3	8.7	9.2	9.6	9.7	10.0	10.4
8H	8.1	8.4	8.5	8.8	9.3	10.1	10.5	10.5	10.9	11.3
12H	8.7	9.0	9.1	9.4	9.9	11.0	11.3	11.5	11.8	12.2
X=8H Y=4H	6.9	7.2	7.3	7.6	8.1	8.0	8.4	8.5	8.8	9.2
6H	8.2	8.5	8.7	9.0	9.4	9.7	10.0	10.2	10.5	11.0
8H	9.0	9.2	9.4	9.7	10.2	10.7	11.0	11.2	11.5	12.0
12H	9.7	10.0	10.2	10.4	11.0	11.8	12.1	12.3	12.5	13.1
X=12H Y=4H	7.0	7.3	7.4	7.7	8.2	8.1	8.4	8.5	8.8	9.3
6H	8.4	8.7	8.9	9.2	9.7	9.9	10.1	10.3	10.6	11.1
8H	9.3	9.5	9.8	10.0	10.5	10.9	11.2	11.4	11.6	12.1
Variations with the observer position at spacings:										
S=1.0H	+1.2/-0.6					+1.1/-0.6				
S=1.5H	+2.4/-1.0					+2.2/-1.0				
S=2.0H	+3.7/-1.3					+3.4/-1.4				

Calculate in accordance with CIE Pub.117. The table is revised with 368lm ($8\log(F/F_0) = -3.5$).

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.754 m
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

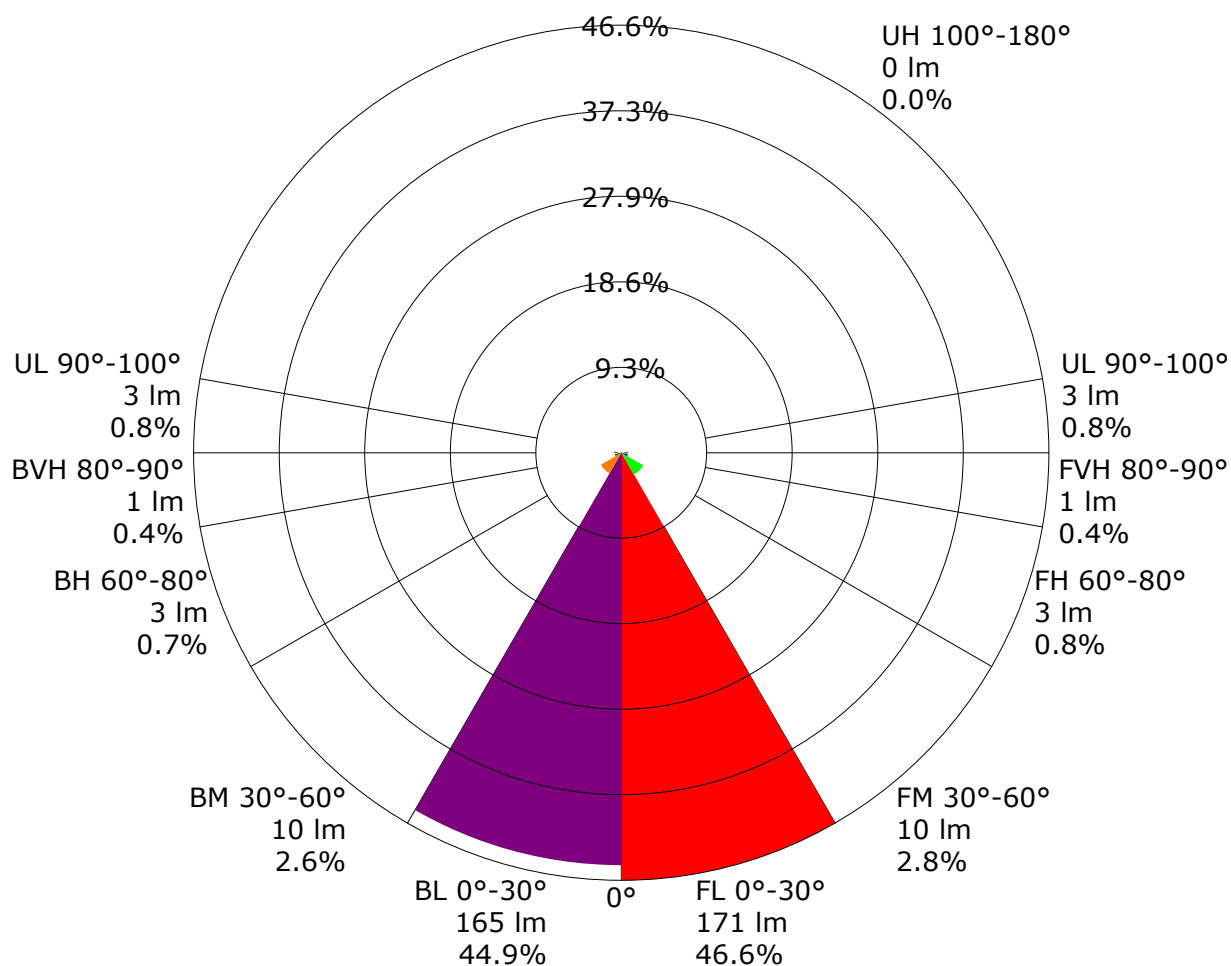
	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	186	50.5
	FL (0°-30°)	171	46.6
	FM (30°-60°)	10	2.8
	FH (60°-80°)	3	0.8
	FVH (80°-90°)	1	0.4
	BACK LIGHT	179	48.7
	BL (0°-30°)	165	44.9
	BM (30°-60°)	10	2.6
	BH (60°-80°)	3	0.7
	BVH (80°-90°)	1	0.4
	UP LIGHT	3	0.8
	UL (90°-100°)	3	0.8
	UH (100°-180°)	0	0.0
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U1 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U1 G0

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.754 m
Humidity:
Inspector:

LCS Graph



Back Light

Forward Light

Scale= MAX LCS%

Trapped Light:NA,NA

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 7.754 m

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	0.99	1.02	1.04	1.06	1.09	1.10	1.11	1.13	1.14	
	0.30		0.96	0.99	1.01	1.03	1.06	1.08	1.09	1.11	1.13	
	0.20		0.93	0.97	0.99	1.01	1.04	1.06	1.07	1.10	1.11	
0.50	0.50	0.20	0.98	1.00	1.02	1.04	1.06	1.07	1.08	1.09	1.10	
	0.30		0.95	0.98	1.00	1.01	1.04	1.05	1.06	1.08	1.09	
	0.20		0.93	0.96	0.98	0.99	1.02	1.03	1.05	1.06	1.08	
0.30	0.50	0.20	0.97	0.99	1.00	1.02	1.03	1.04	1.05	1.05	1.06	
	0.30		0.94	0.97	0.98	1.00	1.01	1.02	1.03	1.04	1.05	
	0.20		0.92	0.95	0.97	0.98	1.00	1.01	1.02	1.03	1.04	
0.00	0.00	0.00	0.91	0.93	0.94	0.95	0.97	0.97	0.98	0.99	0.99	
Rating:7W 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	0.40	0.34	0.29	0.26	0.21	0.18	0.15	0.12	0.10	
	0.30		0.33	0.29	0.25	0.23	0.19	0.16	0.14	0.11	0.09	
	0.20		0.29	0.25	0.22	0.20	0.17	0.15	0.13	0.11	0.09	
0.50	0.50	0.20	0.37	0.31	0.27	0.23	0.19	0.20	0.14	0.11	0.09	
	0.30		0.32	0.27	0.24	0.21	0.17	0.15	0.13	0.10	0.08	
	0.20		0.27	0.24	0.21	0.19	0.16	0.14	0.12	0.10	0.08	
0.30	0.50	0.20	0.35	0.29	0.24	0.21	0.17	0.14	0.12	0.09	0.08	
	0.30		0.30	0.25	0.22	0.19	0.16	0.13	0.11	0.09	0.08	
	0.20		0.26	0.23	0.20	0.18	0.15	0.12	0.11	0.09	0.07	
0.00	0.00	0.00	0.11	0.09	0.08	0.07	0.05	0.04	0.04	0.03	0.03	
Rating:7W 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(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	0.12	0.14	0.16	0.17	0.18	0.19	0.20	0.21	0.22	
	0.30		0.09	0.11	0.13	0.14	0.16	0.18	0.18	0.20	0.21	
	0.20		0.07	0.09	0.11	0.13	0.15	0.16	0.17	0.19	0.19	
0.50	0.50	0.20	0.12	0.14	0.15	0.16	0.18	0.19	0.19	0.20	0.21	
	0.30		0.09	0.11	0.13	0.14	0.16	0.17	0.18	0.19	0.20	
	0.20		0.07	0.09	0.11	0.12	0.14	0.16	0.17	0.18	0.19	
0.30	0.50	0.20	0.11	0.13	0.15	0.15	0.17	0.18	0.19	0.19	0.20	
	0.30		0.09	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19	
	0.20		0.07	0.09	0.11	0.12	0.14	0.15	0.16	0.17	0.18	
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Rating:7W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Zonal Lumen

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	1334.9	1.3	1.3	0.35	0.35
1.0-2.0	1326.8	3.8	5.1	1.04	1.38
2.0-3.0	1311.5	6.3	11.4	1.71	3.09
3.0-4.0	1290.1	8.6	20.0	2.35	5.44
4.0-5.0	1262.9	10.9	30.9	2.95	8.39
5.0-6.0	1226.4	12.9	43.8	3.50	11.89
6.0-7.0	1183.4	14.7	58.4	3.99	15.89
7.0-8.0	1135.8	16.3	74.7	4.42	20.31
8.0-9.0	1080.6	17.5	92.2	4.76	25.07
9.0-10.0	1020.2	18.5	110.7	5.02	30.09
10.0-11.0	954.2	19.1	129.7	5.18	35.27
11.0-12.0	884.7	19.3	149.1	5.26	40.53
12.0-13.0	814.4	19.3	168.4	5.25	45.79
13.0-14.0	739.2	18.9	187.3	5.14	50.93
14.0-15.0	663.4	18.2	205.6	4.95	55.88
15.0-16.0	589.8	17.3	222.8	4.70	60.58
16.0-17.0	516.4	16.1	238.9	4.37	64.96
17.0-18.0	448.6	14.8	253.7	4.02	68.98
18.0-19.0	385.1	13.4	267.1	3.64	72.62
19.0-20.0	325.9	11.9	279.0	3.24	75.86
20.0-21.0	274.8	10.6	289.6	2.87	78.73
21.0-22.0	228.9	9.2	298.8	2.50	81.23
22.0-23.0	189.0	7.9	306.7	2.16	83.39
23.0-24.0	154.8	6.8	313.5	1.84	85.23
24.0-25.0	126.0	5.7	319.2	1.56	86.79
25.0-26.0	102.7	4.8	324.1	1.32	88.11
26.0-27.0	82.6	4.0	328.1	1.10	89.21
27.0-28.0	66.1	3.3	331.5	0.91	90.12
28.0-29.0	53.4	2.8	334.3	0.76	90.88
29.0-30.0	43.3	2.3	336.6	0.64	91.51
30.0-31.0	35.6	2.0	338.6	0.54	92.05
31.0-32.0	29.4	1.7	340.3	0.46	92.51
32.0-33.0	24.4	1.4	341.7	0.39	92.90
33.0-34.0	20.7	1.3	343.0	0.34	93.24
34.0-35.0	17.7	1.1	344.1	0.30	93.54
35.0-36.0	15.5	1.0	345.1	0.27	93.81

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.754 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	13.7	0.9	345.9	0.24	94.05
37.0-38.0	12.2	0.8	346.8	0.22	94.27
38.0-39.0	11.1	0.8	347.5	0.21	94.48
39.0-40.0	10.3	0.7	348.2	0.19	94.67
40.0-41.0	9.6	0.7	348.9	0.19	94.86
41.0-42.0	9.0	0.7	349.6	0.18	95.04
42.0-43.0	8.4	0.6	350.2	0.17	95.20
43.0-44.0	7.7	0.6	350.8	0.16	95.36
44.0-45.0	7.2	0.6	351.3	0.15	95.51
45.0-46.0	6.6	0.5	351.8	0.14	95.65
46.0-47.0	6.1	0.5	352.3	0.13	95.79
47.0-48.0	5.6	0.4	352.8	0.12	95.91
48.0-49.0	5.0	0.4	353.2	0.11	96.02
49.0-50.0	4.5	0.4	353.6	0.10	96.12
50.0-51.0	4.0	0.3	353.9	0.09	96.22
51.0-52.0	3.5	0.3	354.2	0.08	96.30
52.0-53.0	3.3	0.3	354.5	0.08	96.37
53.0-54.0	3.1	0.3	354.8	0.08	96.45
54.0-55.0	3.1	0.3	355.0	0.07	96.52
55.0-56.0	3.0	0.3	355.3	0.07	96.60
56.0-57.0	3.0	0.3	355.6	0.07	96.67
57.0-58.0	2.9	0.3	355.9	0.07	96.74
58.0-59.0	2.9	0.3	356.1	0.07	96.82
59.0-60.0	2.9	0.3	356.4	0.07	96.89
60.0-61.0	2.9	0.3	356.7	0.07	96.97
61.0-62.0	2.8	0.3	356.9	0.07	97.04
62.0-63.0	2.8	0.3	357.2	0.07	97.11
63.0-64.0	2.8	0.3	357.5	0.07	97.19
64.0-65.0	2.7	0.3	357.8	0.07	97.26
65.0-66.0	2.7	0.3	358.0	0.07	97.33
66.0-67.0	2.7	0.3	358.3	0.07	97.41
67.0-68.0	2.7	0.3	358.6	0.07	97.48
68.0-69.0	2.7	0.3	358.8	0.07	97.56
69.0-70.0	2.7	0.3	359.1	0.07	97.63
70.0-71.0	2.7	0.3	359.4	0.07	97.70
71.0-72.0	2.7	0.3	359.7	0.07	97.78

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

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1600L
Distance: 7.754 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	2.6	0.3	359.9	0.08	97.85
73.0-74.0	2.7	0.3	360.2	0.08	97.93
74.0-75.0	2.7	0.3	360.5	0.08	98.01
75.0-76.0	2.7	0.3	360.8	0.08	98.08
76.0-77.0	2.7	0.3	361.1	0.08	98.16
77.0-78.0	2.7	0.3	361.3	0.08	98.24
78.0-79.0	2.7	0.3	361.6	0.08	98.32
79.0-80.0	2.7	0.3	361.9	0.08	98.39
80.0-81.0	2.7	0.3	362.2	0.08	98.47
81.0-82.0	2.7	0.3	362.5	0.08	98.55
82.0-83.0	2.7	0.3	362.8	0.08	98.63
83.0-84.0	2.6	0.3	363.1	0.08	98.71
84.0-85.0	2.6	0.3	363.4	0.08	98.79
85.0-86.0	2.6	0.3	363.7	0.08	98.86
86.0-87.0	2.7	0.3	363.9	0.08	98.94
87.0-88.0	2.7	0.3	364.2	0.08	99.02
88.0-89.0	2.6	0.3	364.5	0.08	99.10
89.0-90.0	2.6	0.3	364.8	0.08	99.18
90.0-91.0	2.6	0.3	365.1	0.08	99.26
91.0-92.0	2.6	0.3	365.4	0.08	99.34
92.0-93.0	2.6	0.3	365.7	0.08	99.42
93.0-94.0	2.6	0.3	366.0	0.08	99.49
94.0-95.0	2.6	0.3	366.3	0.08	99.57
95.0-96.0	2.7	0.3	366.5	0.08	99.65
96.0-97.0	2.6	0.3	366.8	0.08	99.73
97.0-98.0	2.6	0.3	367.1	0.08	99.81
98.0-99.0	2.6	0.3	367.4	0.08	99.88
99.0-100.0	2.6	0.3	367.7	0.08	99.96
100.0-101.0	1.3	0.1	367.8	0.04	100.00
101.0-102.0	0.0	0.0	367.8	0.00	100.00
102.0-103.0	0.0	0.0	367.8	0.00	100.00
103.0-104.0	0.0	0.0	367.8	0.00	100.00
104.0-105.0	0.0	0.0	367.8	0.00	100.00
105.0-106.0	0.0	0.0	367.8	0.00	100.00
106.0-107.0	0.0	0.0	367.8	0.00	100.00
107.0-108.0	0.0	0.0	367.8	0.00	100.00

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 7.754 m

Humidity:

Inspector:

Zonal Lumen (Continue 3)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	0.0	0.0	367.8	0.00	100.00
109.0-110.0	0.0	0.0	367.8	0.00	100.00
110.0-111.0	0.0	0.0	367.8	0.00	100.00
111.0-112.0	0.0	0.0	367.8	0.00	100.00
112.0-113.0	0.0	0.0	367.8	0.00	100.00
113.0-114.0	0.0	0.0	367.8	0.00	100.00
114.0-115.0	0.0	0.0	367.8	0.00	100.00
115.0-116.0	0.0	0.0	367.8	0.00	100.00
116.0-117.0	0.0	0.0	367.8	0.00	100.00
117.0-118.0	0.0	0.0	367.8	0.00	100.00
118.0-119.0	0.0	0.0	367.8	0.00	100.00
119.0-120.0	0.0	0.0	367.8	0.00	100.00
120.0-121.0	0.0	0.0	367.8	0.00	100.00
121.0-122.0	0.0	0.0	367.8	0.00	100.00
122.0-123.0	0.0	0.0	367.8	0.00	100.00
123.0-124.0	0.0	0.0	367.8	0.00	100.00
124.0-125.0	0.0	0.0	367.8	0.00	100.00
125.0-126.0	0.0	0.0	367.8	0.00	100.00
126.0-127.0	0.0	0.0	367.8	0.00	100.00
127.0-128.0	0.0	0.0	367.8	0.00	100.00
128.0-129.0	0.0	0.0	367.8	0.00	100.00
129.0-130.0	0.0	0.0	367.8	0.00	100.00
130.0-131.0	0.0	0.0	367.8	0.00	100.00
131.0-132.0	0.0	0.0	367.8	0.00	100.00
132.0-133.0	0.0	0.0	367.8	0.00	100.00
133.0-134.0	0.0	0.0	367.8	0.00	100.00
134.0-135.0	0.0	0.0	367.8	0.00	100.00
135.0-136.0	0.0	0.0	367.8	0.00	100.00
136.0-137.0	0.0	0.0	367.8	0.00	100.00
137.0-138.0	0.0	0.0	367.8	0.00	100.00
138.0-139.0	0.0	0.0	367.8	0.00	100.00
139.0-140.0	0.0	0.0	367.8	0.00	100.00
140.0-141.0	0.0	0.0	367.8	0.00	100.00
141.0-142.0	0.0	0.0	367.8	0.00	100.00
142.0-143.0	0.0	0.0	367.8	0.00	100.00
143.0-144.0	0.0	0.0	367.8	0.00	100.00

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 7.754 m

Humidity:

Inspector:

Zonal Lumen (Continue 4)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	0.0	0.0	367.8	0.00	100.00
145.0-146.0	0.0	0.0	367.8	0.00	100.00
146.0-147.0	0.0	0.0	367.8	0.00	100.00
147.0-148.0	0.0	0.0	367.8	0.00	100.00
148.0-149.0	0.0	0.0	367.8	0.00	100.00
149.0-150.0	0.0	0.0	367.8	0.00	100.00
150.0-151.0	0.0	0.0	367.8	0.00	100.00
151.0-152.0	0.0	0.0	367.8	0.00	100.00
152.0-153.0	0.0	0.0	367.8	0.00	100.00
153.0-154.0	0.0	0.0	367.8	0.00	100.00
154.0-155.0	0.0	0.0	367.8	0.00	100.00
155.0-156.0	0.0	0.0	367.8	0.00	100.00
156.0-157.0	0.0	0.0	367.8	0.00	100.00
157.0-158.0	0.0	0.0	367.8	0.00	100.00
158.0-159.0	0.0	0.0	367.8	0.00	100.00
159.0-160.0	0.0	0.0	367.8	0.00	100.00
160.0-161.0	0.0	0.0	367.8	0.00	100.00
161.0-162.0	0.0	0.0	367.8	0.00	100.00
162.0-163.0	0.0	0.0	367.8	0.00	100.00
163.0-164.0	0.0	0.0	367.8	0.00	100.00
164.0-165.0	0.0	0.0	367.8	0.00	100.00
165.0-166.0	0.0	0.0	367.8	0.00	100.00
166.0-167.0	0.0	0.0	367.8	0.00	100.00
167.0-168.0	0.0	0.0	367.8	0.00	100.00
168.0-169.0	0.0	0.0	367.8	0.00	100.00
169.0-170.0	0.0	0.0	367.8	0.00	100.00
170.0-171.0	0.0	0.0	367.8	0.00	100.00
171.0-172.0	0.0	0.0	367.8	0.00	100.00
172.0-173.0	0.0	0.0	367.8	0.00	100.00
173.0-174.0	0.0	0.0	367.8	0.00	100.00
174.0-175.0	0.0	0.0	367.8	0.00	100.00
175.0-176.0	0.0	0.0	367.8	0.00	100.00
176.0-177.0	0.0	0.0	367.8	0.00	100.00
177.0-178.0	0.0	0.0	367.8	0.00	100.00
178.0-179.0	0.0	0.0	367.8	0.00	100.00
179.0-180.0	0.0	0.0	367.8	0.00	100.00

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 7.754 m

Humidity:

Inspector:

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G0.0	1343.2	1331.3	1343.2	1331.3	1343.2					
G1.0	1341.8	1317.6	1337.2	1333.7	1341.8					
G2.0	1332.3	1299.3	1323.5	1329.0	1332.3					
G3.0	1314.3	1273.3	1303.0	1317.0	1314.3					
G4.0	1291.9	1243.7	1275.1	1302.6	1291.9					
G5.0	1263.9	1206.5	1242.1	1277.3	1263.9					
G6.0	1225.7	1158.6	1197.1	1239.7	1225.7					
G7.0	1180.9	1113.0	1150.1	1201.9	1180.9					
G8.0	1133.2	1060.8	1094.3	1151.9	1133.2					
G9.0	1073.2	995.1	1037.6	1098.5	1073.2					
G10.0	1014.1	930.4	973.4	1039.1	1014.1					
G11.0	942.4	859.5	903.3	971.3	942.4					
G12.0	875.5	789.4	832.7	903.4	875.5					
G13.0	803.2	720.3	759.9	830.5	803.2					
G14.0	725.4	642.4	680.9	751.4	725.4					
G15.0	650.9	573.9	607.1	674.9	650.9					
G16.0	580.7	507.4	528.1	595.5	580.7					
G17.0	503.1	435.9	459.4	521.2	503.1					
G18.0	438.4	377.1	398.7	454.9	438.4					
G19.0	373.0	317.0	337.5	384.0	373.0					
G20.0	316.5	270.0	284.6	325.0	316.5					
G21.0	266.5	226.3	237.5	272.3	266.5					
G22.0	222.2	186.8	195.2	224.0	222.2					
G23.0	186.6	153.2	160.4	183.6	186.6					
G24.0	152.2	124.7	129.9	148.2	152.2					
G25.0	125.3	102.5	105.1	120.2	125.3					
G26.0	103.8	82.8	84.8	97.0	103.8					
G27.0	82.3	65.5	67.2	77.5	82.3					
G28.0	67.6	52.9	53.6	62.2	67.6					
G29.0	55.5	42.9	42.8	49.8	55.5					
G30.0	44.9	34.0	35.1	41.5	44.9					
G31.0	37.1	28.1	29.4	34.8	37.1					
G32.0	30.2	22.6	24.2	29.1	30.2					
G33.0	24.9	18.9	20.2	25.2	24.9					
G34.0	20.9	16.5	17.3	21.8	20.9					
G35.0	17.6	14.3	14.9	18.8	17.6					
G36.0	15.8	12.8	13.3	16.7	15.8					

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 7.754 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G37.0	13.4	11.2	11.8	14.5	13.4					
G38.0	12.1	10.1	10.9	13.4	12.1					
G39.0	11.0	9.2	10.1	12.3	11.0					
G40.0	10.1	8.6	9.4	11.3	10.1					
G41.0	9.4	8.1	9.0	10.6	9.4					
G42.0	8.8	7.6	8.5	9.9	8.8					
G43.0	8.2	7.0	7.9	9.1	8.2					
G44.0	7.6	6.6	7.3	8.3	7.6					
G45.0	7.0	6.2	6.7	7.6	7.0					
G46.0	6.5	5.7	6.2	7.0	6.5					
G47.0	6.0	5.3	5.7	6.3	6.0					
G48.0	5.5	4.9	5.2	5.7	5.5					
G49.0	5.0	4.4	4.7	5.0	5.0					
G50.0	4.5	4.0	4.2	4.4	4.5					
G51.0	3.9	3.6	3.6	3.8	3.9					
G52.0	3.5	3.3	3.3	3.3	3.5					
G53.0	3.2	3.2	3.1	3.2	3.2					
G54.0	3.1	3.1	3.1	3.1	3.1					
G55.0	3.0	3.1	2.9	3.1	3.0					
G56.0	3.0	3.0	2.9	3.1	3.0					
G57.0	2.9	3.0	2.8	3.0	2.9					
G58.0	2.8	3.0	2.8	3.0	2.8					
G59.0	2.8	3.0	2.7	3.0	2.8					
G60.0	2.8	3.0	2.7	2.9	2.8					
G61.0	2.8	2.9	2.8	3.0	2.8					
G62.0	2.8	2.8	2.6	3.0	2.8					
G63.0	2.8	2.8	2.6	3.0	2.8					
G64.0	2.7	2.8	2.6	2.8	2.7					
G65.0	2.7	2.8	2.6	2.8	2.7					
G66.0	2.6	2.7	2.5	2.8	2.6					
G67.0	2.6	2.7	2.6	2.8	2.6					
G68.0	2.6	2.7	2.6	2.7	2.6					
G69.0	2.6	2.8	2.6	2.6	2.6					
G70.0	2.7	2.7	2.6	2.7	2.7					
G71.0	2.7	2.7	2.6	2.7	2.7					
G72.0	2.6	2.7	2.5	2.7	2.6					
G73.0	2.6	2.7	2.6	2.7	2.6					

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 7.754 m

Humidity:

Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G74.0	2.6	2.7	2.6	2.7	2.6					
G75.0	2.6	2.7	2.6	2.7	2.6					
G76.0	2.7	2.7	2.6	2.8	2.7					
G77.0	2.6	2.7	2.5	2.8	2.6					
G78.0	2.7	2.7	2.5	2.8	2.7					
G79.0	2.7	2.7	2.5	2.7	2.7					
G80.0	2.6	2.7	2.5	2.8	2.6					
G81.0	2.6	2.8	2.5	2.8	2.6					
G82.0	2.6	2.8	2.5	2.7	2.6					
G83.0	2.6	2.7	2.5	2.8	2.6					
G84.0	2.5	2.7	2.6	2.7	2.5					
G85.0	2.6	2.7	2.6	2.7	2.6					
G86.0	2.7	2.7	2.6	2.6	2.7					
G87.0	2.7	2.8	2.5	2.7	2.7					
G88.0	2.7	2.7	2.5	2.7	2.7					
G89.0	2.7	2.7	2.5	2.6	2.7					
G90.0	2.7	2.8	2.5	2.7	2.7					
G91.0	2.6	2.7	2.5	2.6	2.6					
G92.0	2.6	2.7	2.5	2.6	2.6					
G93.0	2.6	2.7	2.5	2.7	2.6					
G94.0	2.7	2.7	2.5	2.6	2.7					
G95.0	2.6	2.7	2.5	2.7	2.6					
G96.0	2.7	2.7	2.6	2.7	2.7					
G97.0	2.6	2.7	2.5	2.6	2.6					
G98.0	2.7	2.7	2.5	2.7	2.7					
G99.0	2.6	2.7	2.5	2.6	2.6					
G100.0	2.6	2.7	2.5	2.6	2.6					
G101.0	0.0	0.0	0.0	0.0	0.0					
G102.0	0.0	0.0	0.0	0.0	0.0					
G103.0	0.0	0.0	0.0	0.0	0.0					
G104.0	0.0	0.0	0.0	0.0	0.0					
G105.0	0.0	0.0	0.0	0.0	0.0					
G106.0	0.0	0.0	0.0	0.0	0.0					
G107.0	0.0	0.0	0.0	0.0	0.0					
G108.0	0.0	0.0	0.0	0.0	0.0					
G109.0	0.0	0.0	0.0	0.0	0.0					
G110.0	0.0	0.0	0.0	0.0	0.0					

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 7.754 m

Humidity:

Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G111.0	0.0	0.0	0.0	0.0	0.0					
G112.0	0.0	0.0	0.0	0.0	0.0					
G113.0	0.0	0.0	0.0	0.0	0.0					
G114.0	0.0	0.0	0.0	0.0	0.0					
G115.0	0.0	0.0	0.0	0.0	0.0					
G116.0	0.0	0.0	0.0	0.0	0.0					
G117.0	0.0	0.0	0.0	0.0	0.0					
G118.0	0.0	0.0	0.0	0.0	0.0					
G119.0	0.0	0.0	0.0	0.0	0.0					
G120.0	0.0	0.0	0.0	0.0	0.0					
G121.0	0.0	0.0	0.0	0.0	0.0					
G122.0	0.0	0.0	0.0	0.0	0.0					
G123.0	0.0	0.0	0.0	0.0	0.0					
G124.0	0.0	0.0	0.0	0.0	0.0					
G125.0	0.0	0.0	0.0	0.0	0.0					
G126.0	0.0	0.0	0.0	0.0	0.0					
G127.0	0.0	0.0	0.0	0.0	0.0					
G128.0	0.0	0.0	0.0	0.0	0.0					
G129.0	0.0	0.0	0.0	0.0	0.0					
G130.0	0.0	0.0	0.0	0.0	0.0					
G131.0	0.0	0.0	0.0	0.0	0.0					
G132.0	0.0	0.0	0.0	0.0	0.0					
G133.0	0.0	0.0	0.0	0.0	0.0					
G134.0	0.0	0.0	0.0	0.0	0.0					
G135.0	0.0	0.0	0.0	0.0	0.0					
G136.0	0.0	0.0	0.0	0.0	0.0					
G137.0	0.0	0.0	0.0	0.0	0.0					
G138.0	0.0	0.0	0.0	0.0	0.0					
G139.0	0.0	0.0	0.0	0.0	0.0					
G140.0	0.0	0.0	0.0	0.0	0.0					
G141.0	0.0	0.0	0.0	0.0	0.0					
G142.0	0.0	0.0	0.0	0.0	0.0					
G143.0	0.0	0.0	0.0	0.0	0.0					
G144.0	0.0	0.0	0.0	0.0	0.0					
G145.0	0.0	0.0	0.0	0.0	0.0					
G146.0	0.0	0.0	0.0	0.0	0.0					
G147.0	0.0	0.0	0.0	0.0	0.0					

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 7.754 m

Humidity:

Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0					
G148.0	0.0	0.0	0.0	0.0	0.0					
G149.0	0.0	0.0	0.0	0.0	0.0					
G150.0	0.0	0.0	0.0	0.0	0.0					
G151.0	0.0	0.0	0.0	0.0	0.0					
G152.0	0.0	0.0	0.0	0.0	0.0					
G153.0	0.0	0.0	0.0	0.0	0.0					
G154.0	0.0	0.0	0.0	0.0	0.0					
G155.0	0.0	0.0	0.0	0.0	0.0					
G156.0	0.0	0.0	0.0	0.0	0.0					
G157.0	0.0	0.0	0.0	0.0	0.0					
G158.0	0.0	0.0	0.0	0.0	0.0					
G159.0	0.0	0.0	0.0	0.0	0.0					
G160.0	0.0	0.0	0.0	0.0	0.0					
G161.0	0.0	0.0	0.0	0.0	0.0					
G162.0	0.0	0.0	0.0	0.0	0.0					
G163.0	0.0	0.0	0.0	0.0	0.0					
G164.0	0.0	0.0	0.0	0.0	0.0					
G165.0	0.0	0.0	0.0	0.0	0.0					
G166.0	0.0	0.0	0.0	0.0	0.0					
G167.0	0.0	0.0	0.0	0.0	0.0					
G168.0	0.0	0.0	0.0	0.0	0.0					
G169.0	0.0	0.0	0.0	0.0	0.0					
G170.0	0.0	0.0	0.0	0.0	0.0					
G171.0	0.0	0.0	0.0	0.0	0.0					
G172.0	0.0	0.0	0.0	0.0	0.0					
G173.0	0.0	0.0	0.0	0.0	0.0					
G174.0	0.0	0.0	0.0	0.0	0.0					
G175.0	0.0	0.0	0.0	0.0	0.0					
G176.0	0.0	0.0	0.0	0.0	0.0					
G177.0	0.0	0.0	0.0	0.0	0.0					
G178.0	0.0	0.0	0.0	0.0	0.0					
G179.0	0.0	0.0	0.0	0.0	0.0					
G180.0	0.0	0.0	0.0	0.0	0.0					

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1600L

Distance: 7.754 m

Humidity:

Inspector: