

Report No.: 36

Test Time: 2014/12/9 16:53

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: LT-I1240-CE108A3 Voltage: 220V

Current: 0.209 A

Power: 42.8 W

Power Factor: 0.927

Photometric Results

CIE Class: Direct

Measurement Flux: 3794.5 lm

Downward Ratio: 95%

Horizontal Diffuse Angle(25%,50%,75%): H158.6,H120.3,H81.2

Vertical Diffuse Angle(25%,50%,75%): V160.4,V123.2,V81.9

Luminaire Efficacy Rating (LER): 89

Max. Intensity: 1114.07 cd

Total Rated Lamp Lumens: 3794.5 lm

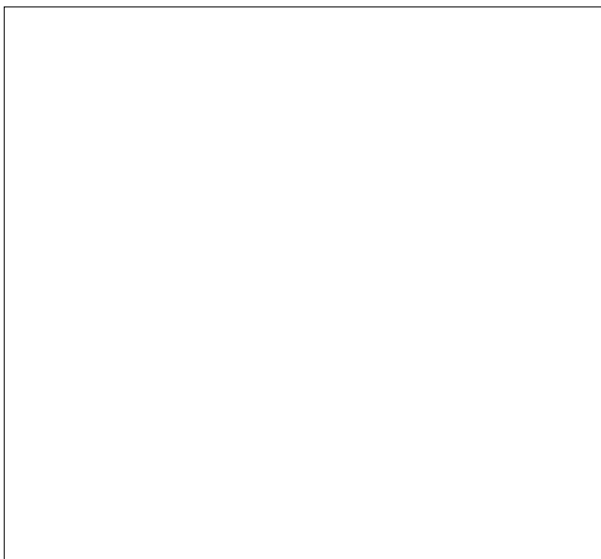
Efficiency: 100%

Upward Ratio: 5%

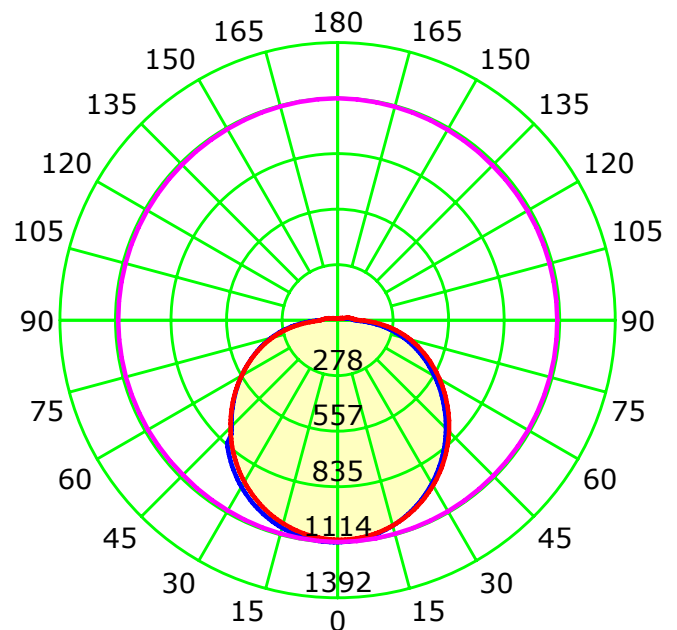
Central Intensity: 1113.89 cd

Pos of Max. Intensity: H180 V1

Picture Of Luminaire



Luminous Intensity Distribution Curve



Average Diffuse Angle(50%): 121.8° Unit: cd

— C0-C180 — C90-C270 — G1

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

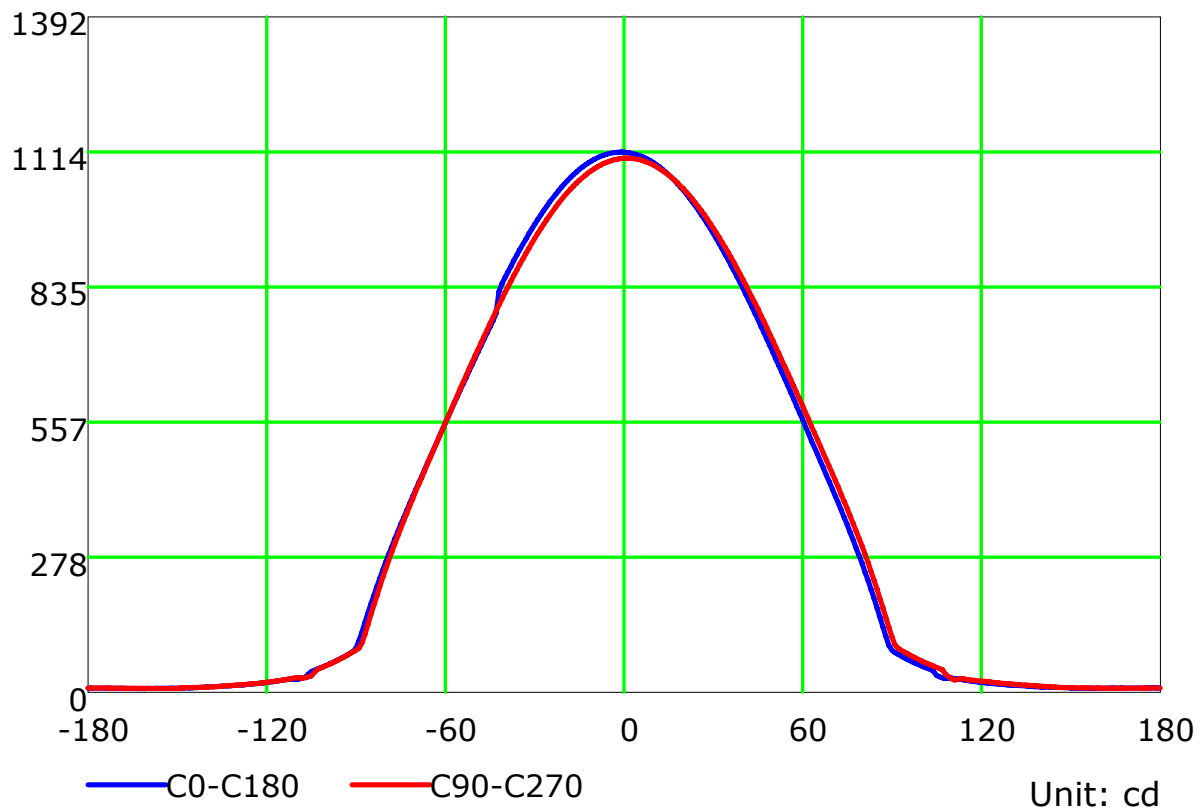
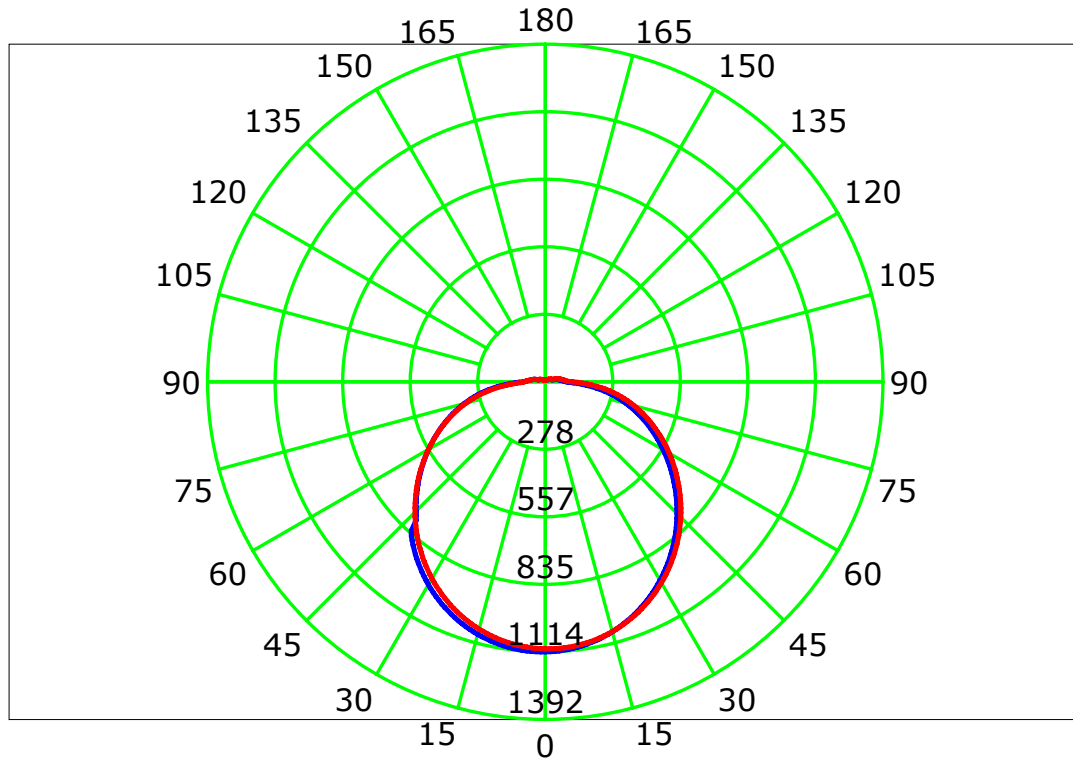
Test Device: GPM-1800B

Distance: 8.038 m

Humidity:

Inspector:

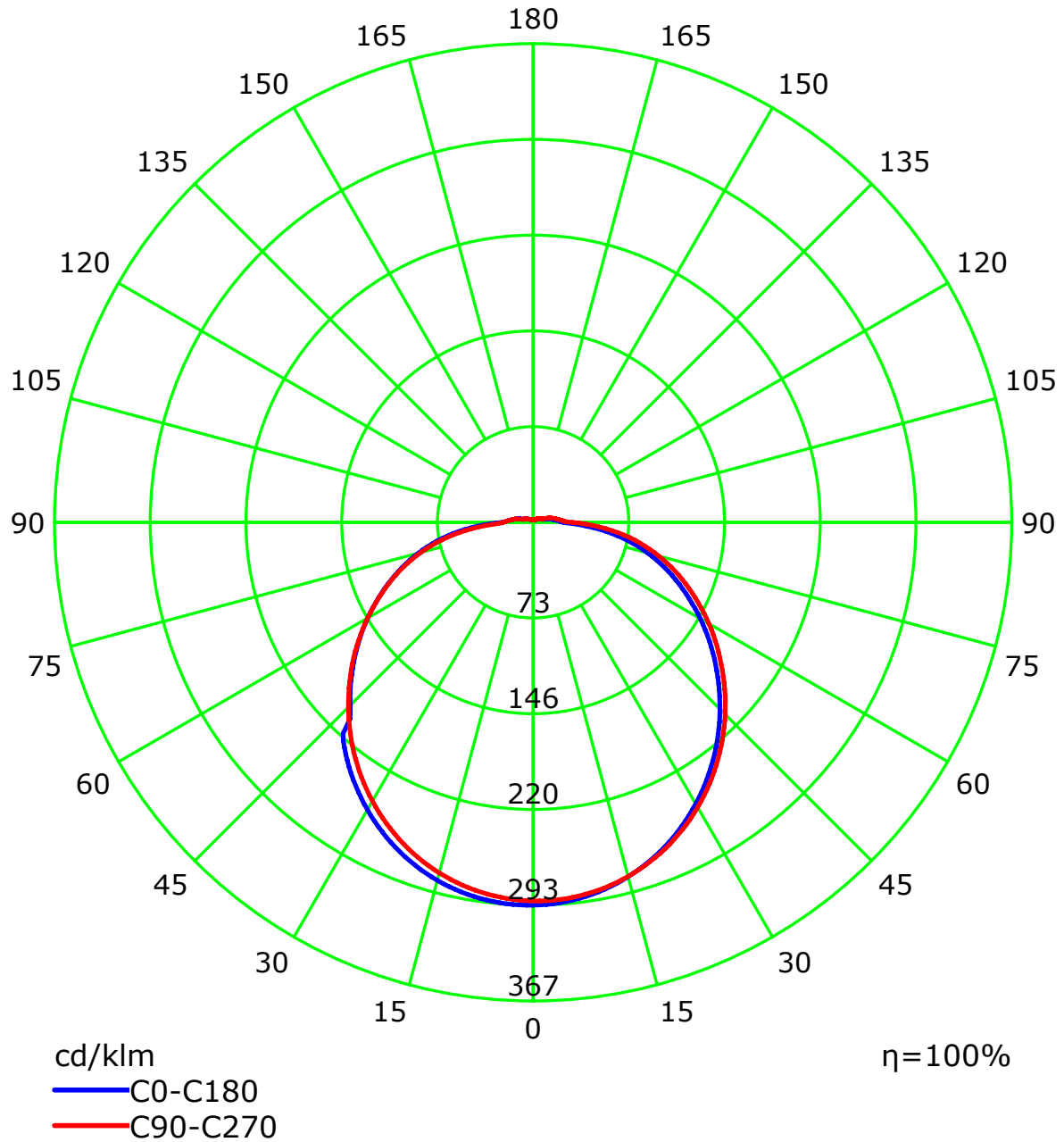
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.038 m
Humidity:
Inspector:

Luminous Intensity Distribution Curve(cd / klm)



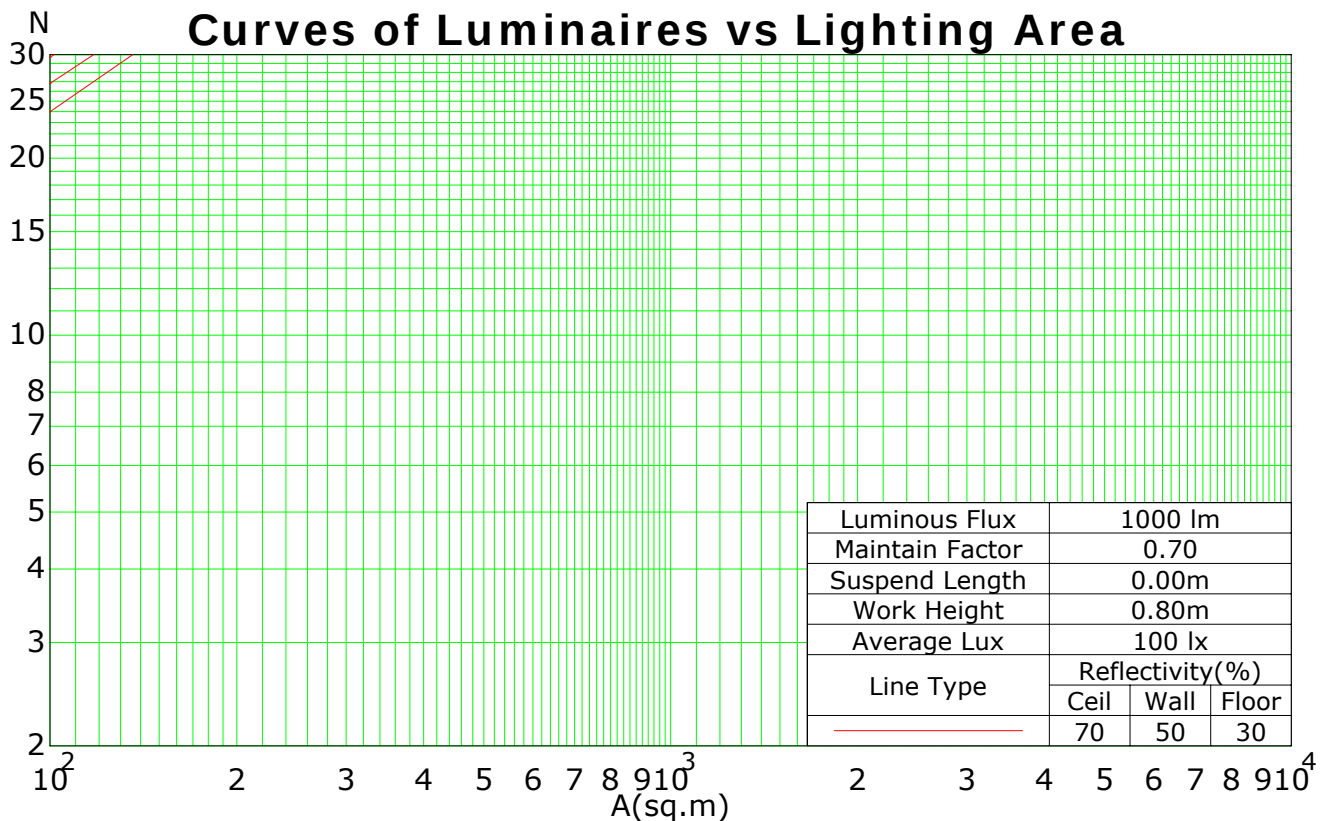
C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.038 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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	97	97	97	95
1	106	100	95	91	103	98	93	89	92	89	85	87	85	82	83	81	78	76
2	95	86	79	73	92	84	77	71	80	74	69	76	71	67	72	68	64	62
3	87	75	66	60	84	73	65	59	69	63	57	66	60	55	63	58	54	51
4	79	66	57	50	76	65	56	49	61	54	48	58	52	47	56	50	46	43
5	73	59	50	43	70	58	49	42	55	47	41	52	46	40	50	44	39	37
6	67	53	44	37	65	52	43	37	49	42	36	47	40	35	45	39	34	32
7	62	48	39	32	60	47	38	32	45	37	32	43	36	31	41	35	30	28
8	58	44	35	29	56	43	34	29	41	33	28	39	33	28	38	32	27	25
9	54	40	32	26	52	39	31	26	38	30	25	36	30	25	35	29	24	23
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

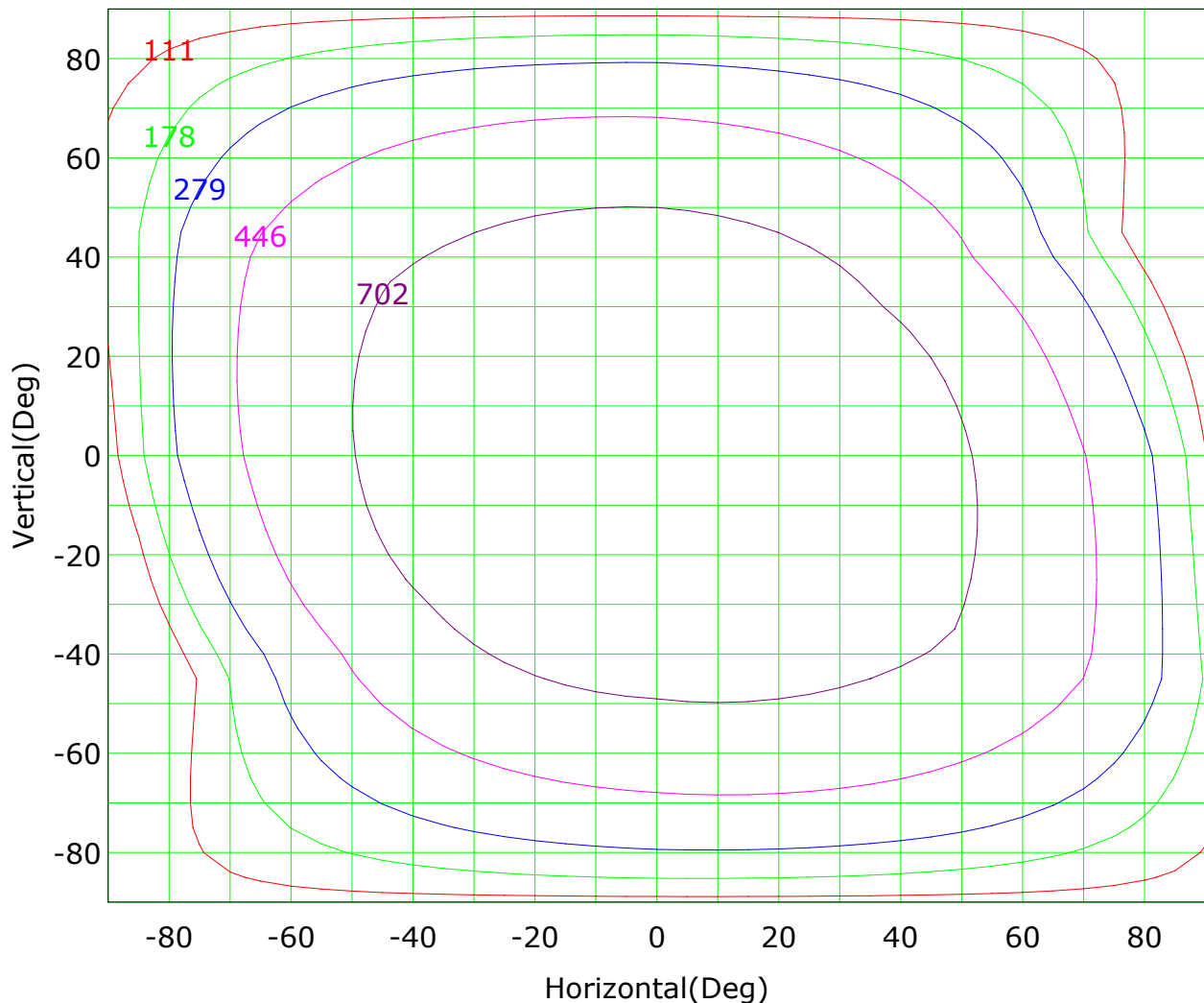
Spacing Criteria (0-180): 1.28
Spacing Criteria (90-270): 1.28
Spacing Criteria (Diagonal): 1.40



C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.038 m
Humidity:
Inspector:

Isocandela (rectangle)



Imax (100%): 1114 cd

(10%): 111 cd	(16%): 178 cd
(25%): 279 cd	(40%): 446 cd
(63%): 702 cd	(100%): 1114 cd

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

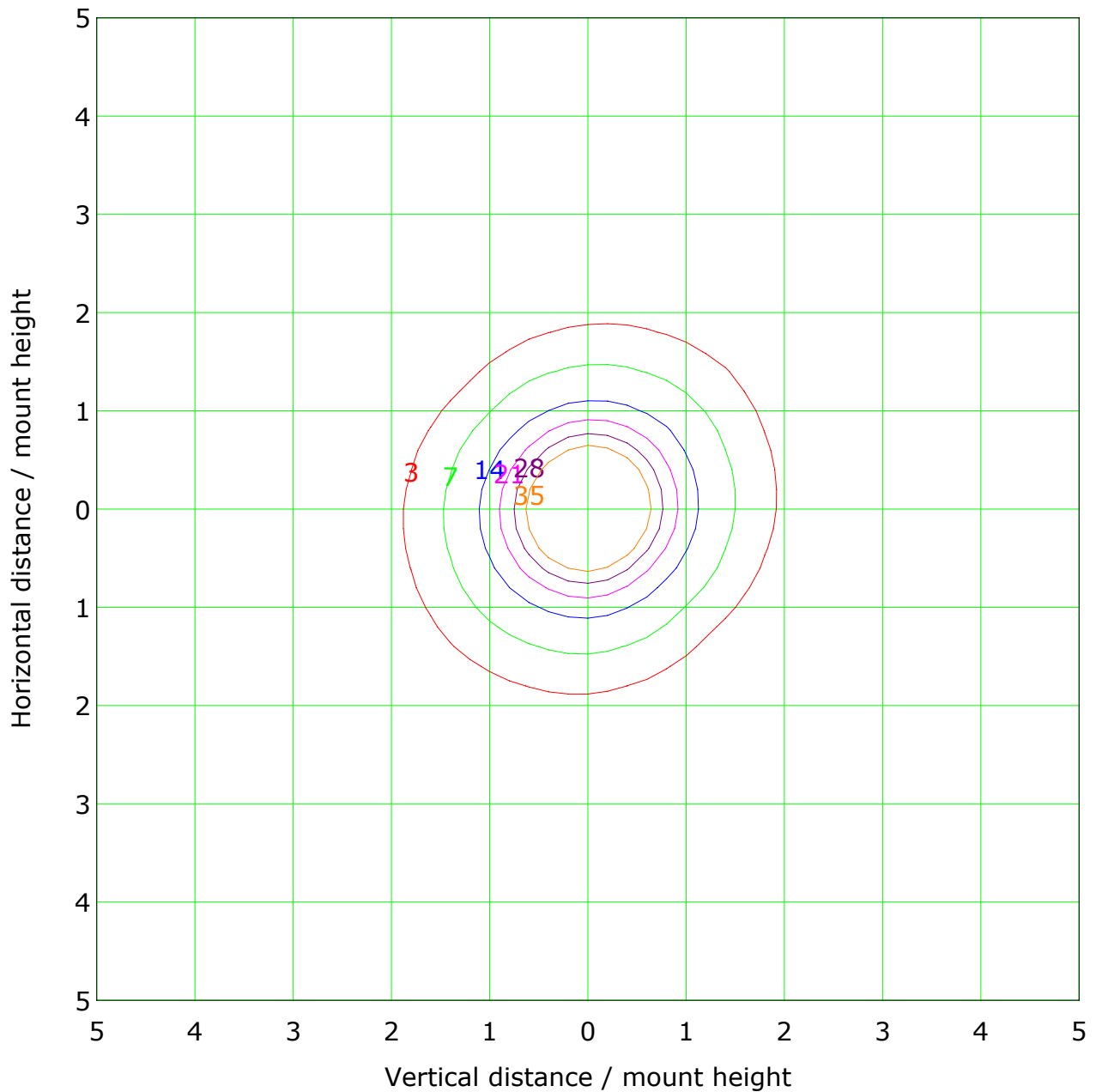
Test Device: GPM-1800B

Distance: 8.038 m

Humidity:

Inspector:

IsoLux Plot



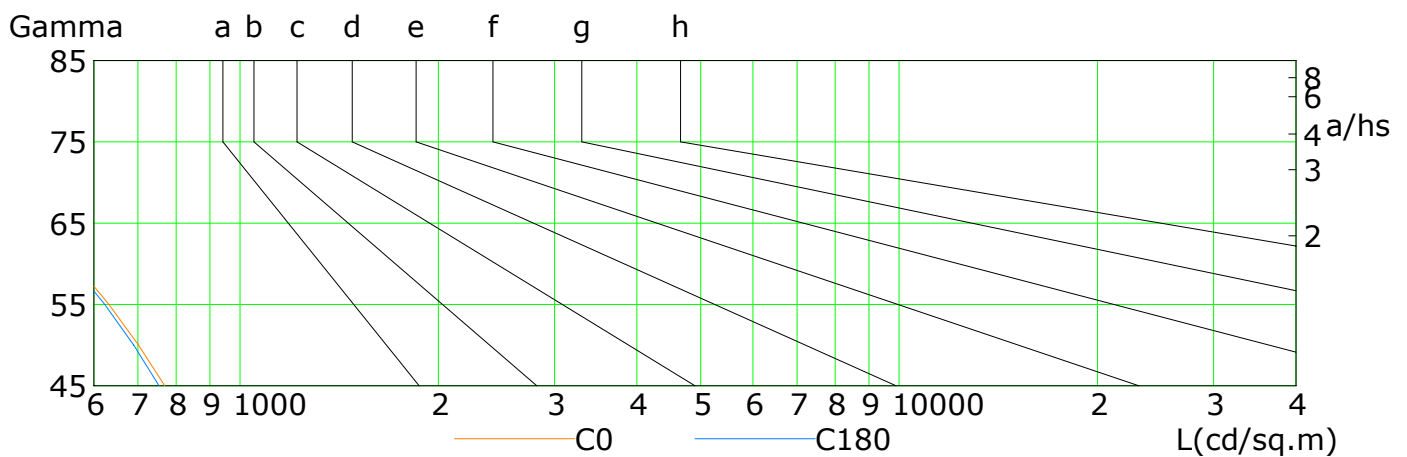
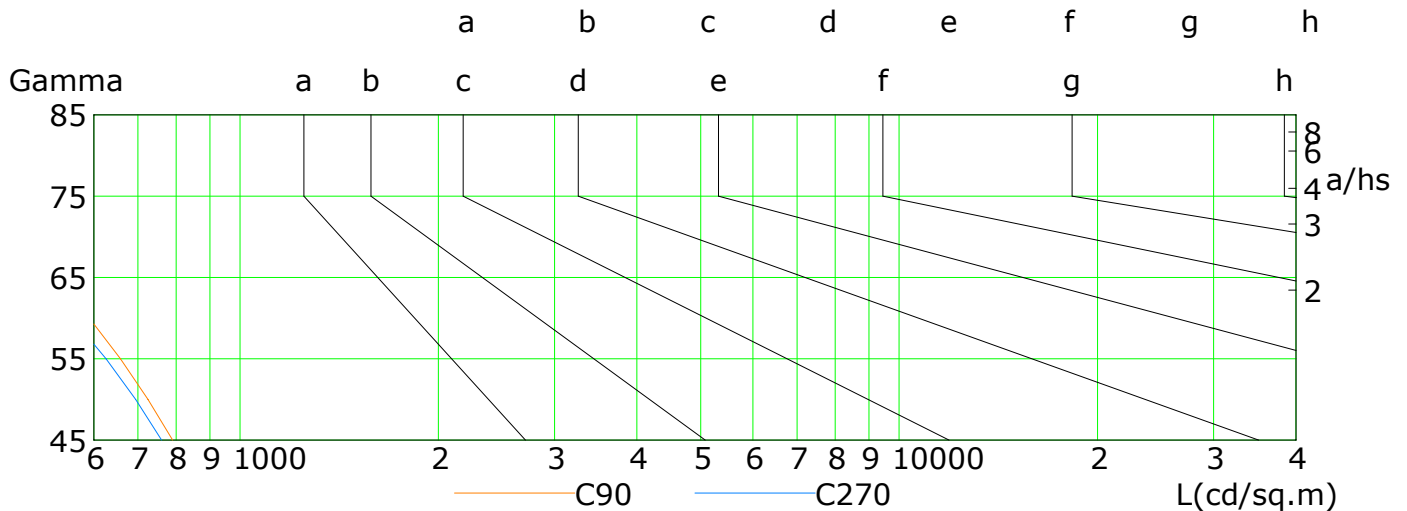
Mounting Height: 4.0m		Max Lux(100%): 69.6 lx	
— (5%):	3.5 lx	— (10%):	7.0 lx
— (20%):	13.9 lx	— (30%):	20.9 lx
— (40%):	27.8 lx	— (50%):	34.8 lx
— (100%):	69.6 lx	— (150%):	104.4 lx

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.038 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	769	702	633	562	491	419	345	265	174
C90	790	725	658	591	521	451	378	301	213
C180	754	690	623	556	487	417	346	269	182
C270	760	694	626	556	485	414	338	255	161

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

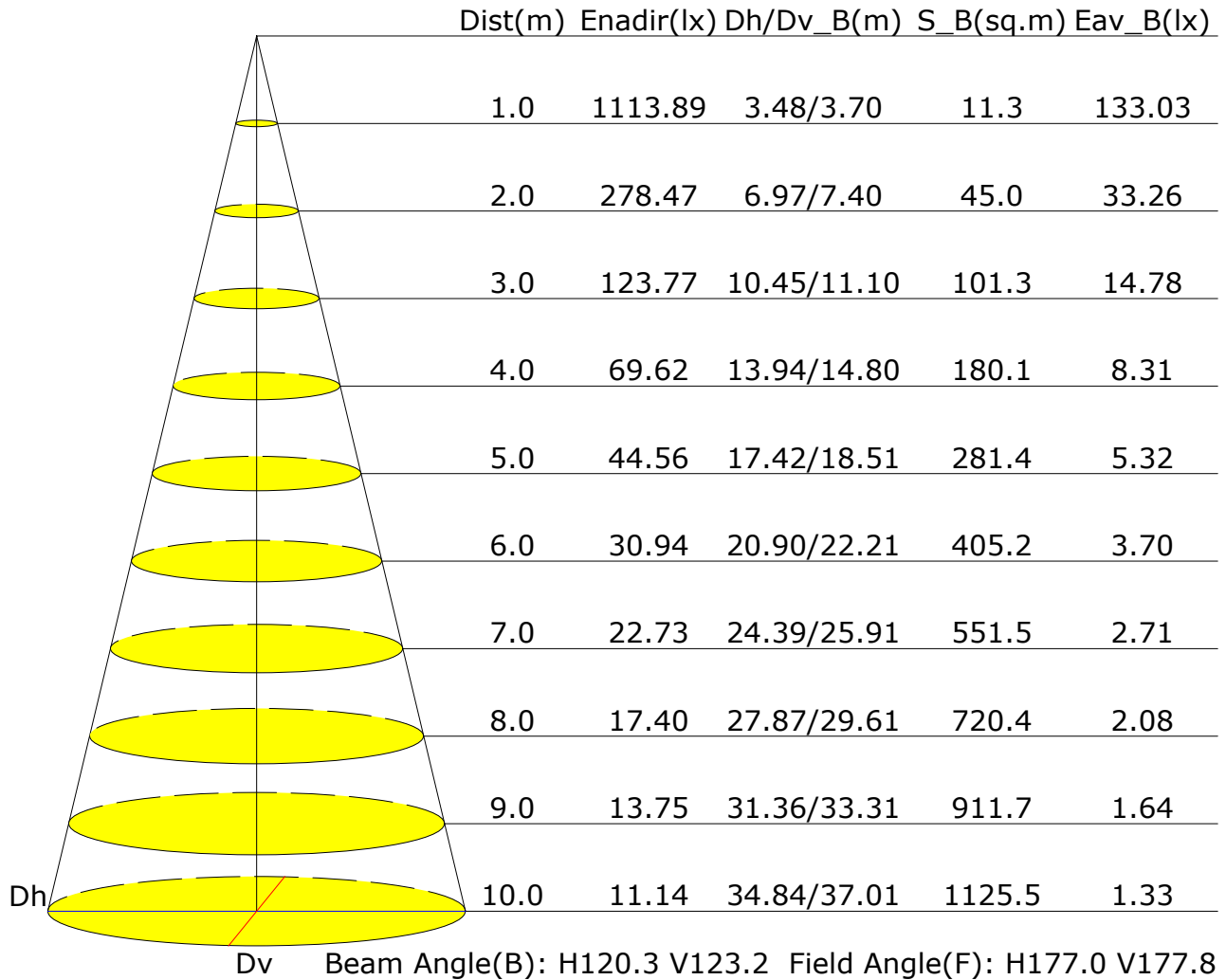
Test Device: GPM-1800B

Distance: 8.038 m

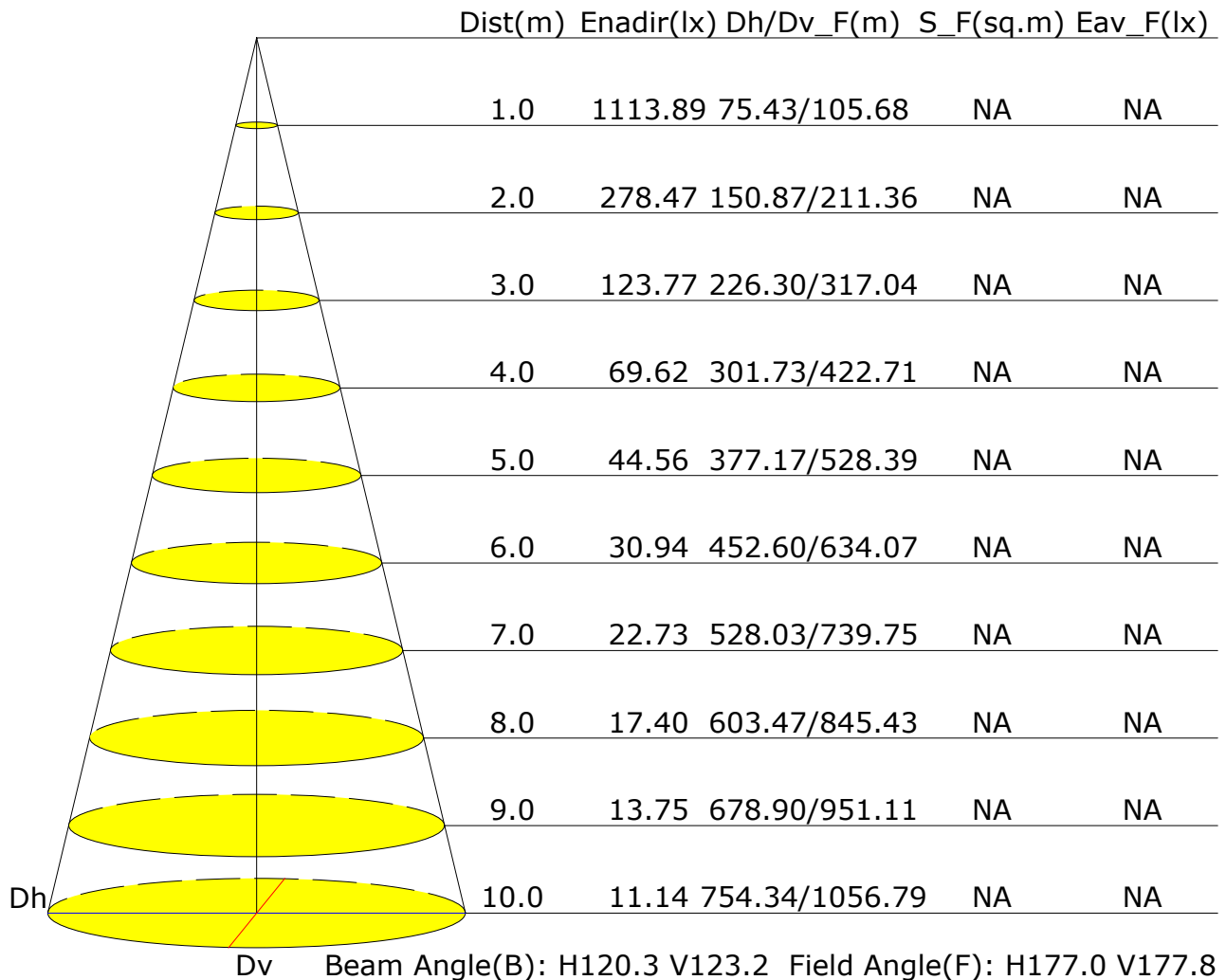
Humidity:

Inspector:

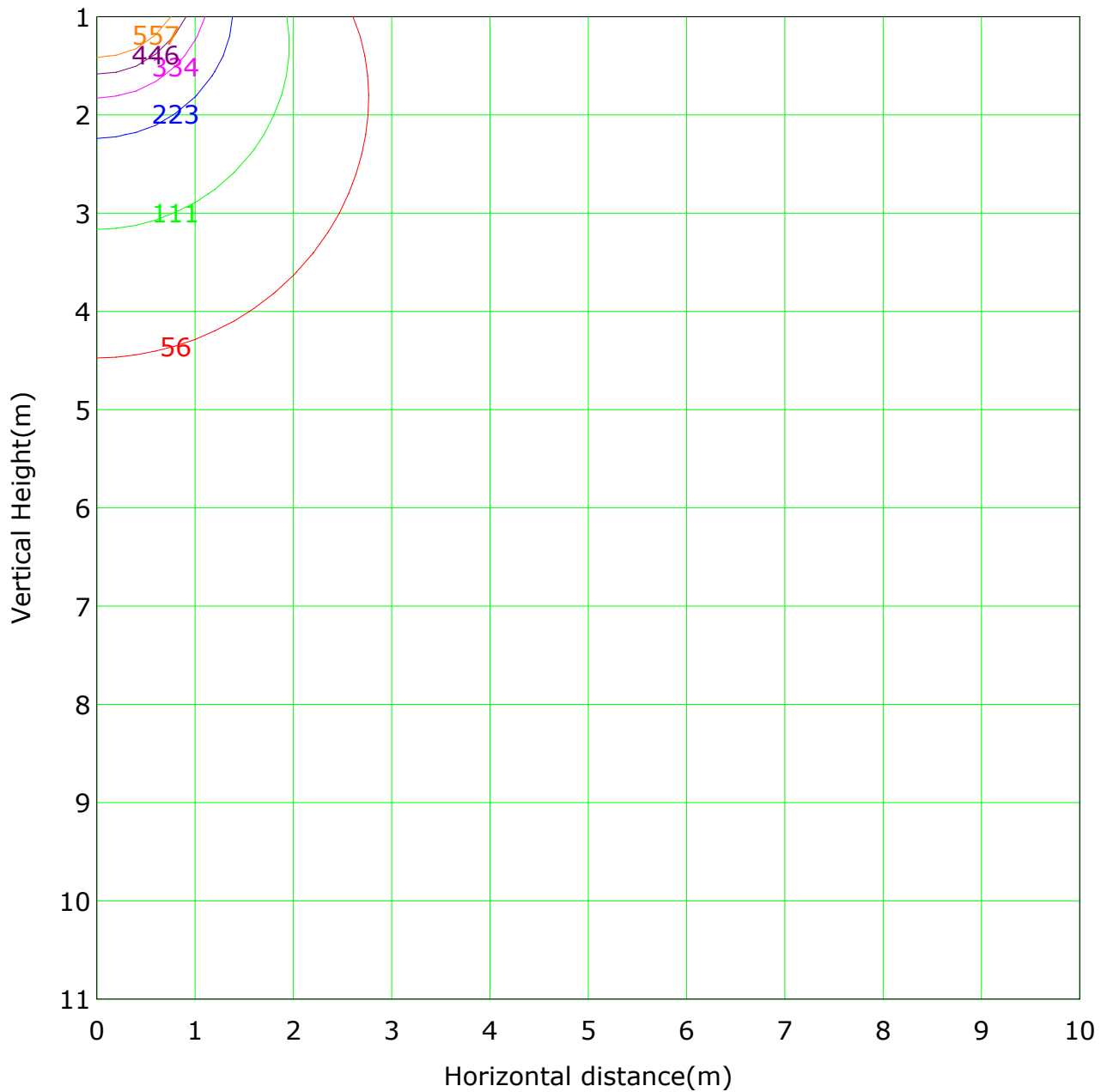
Illuminance at a Distance(Beam Angle)



Illuminance at a Distance(Field Angle)



Vertical IsoLux Plot



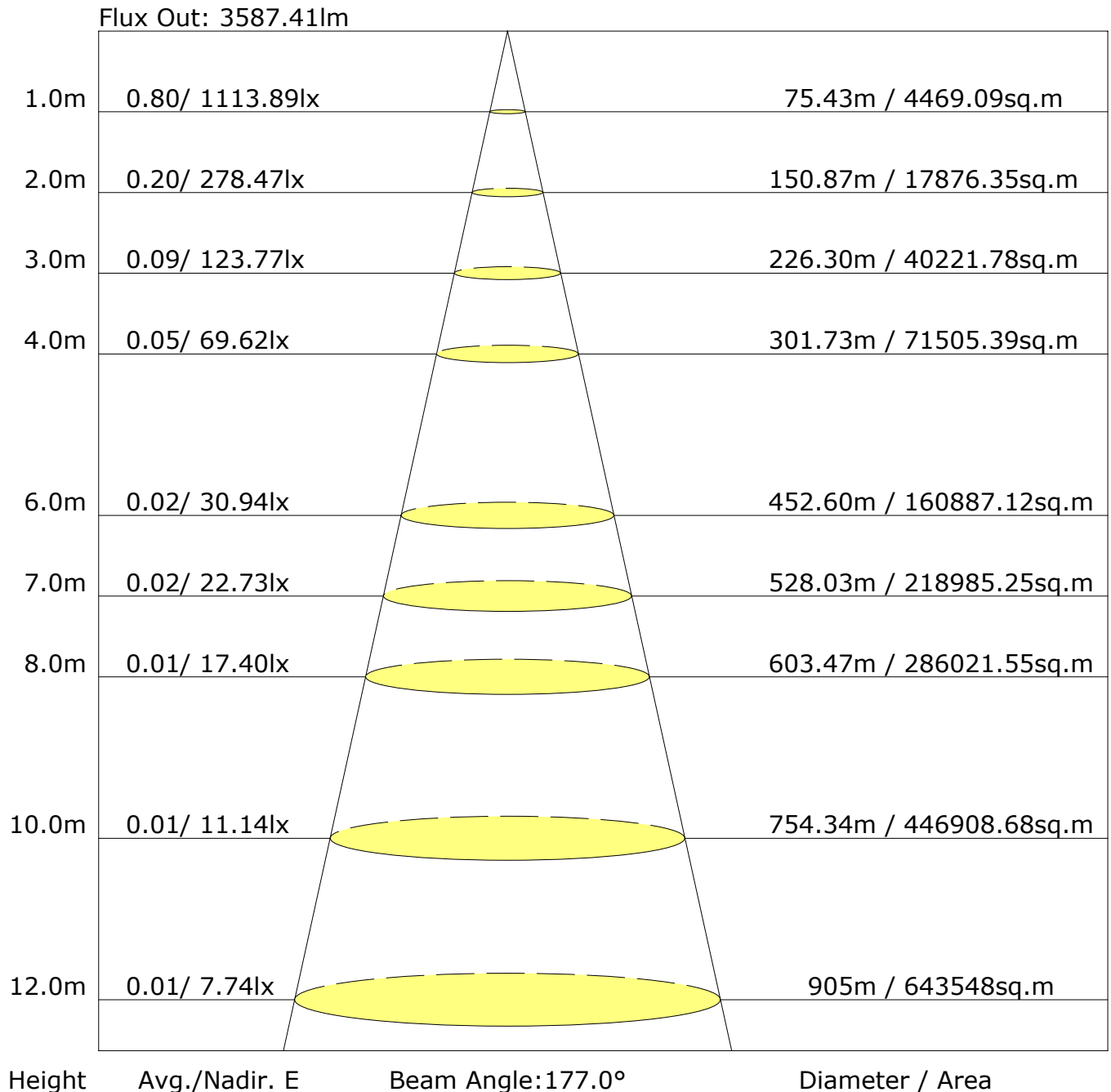
Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 1113.9 lx

— (5%): 55.7 lx	— (10%): 111.4 lx
— (20%): 222.8 lx	— (30%): 334.2 lx
— (40%): 445.6 lx	— (50%): 556.9 lx
— (100%):1113.9 lx	— (150%):1670.8 lx

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.038 m
Humidity:
Inspector:

The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.038 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.\$

Calculate in accordance with CIE 190:2010

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.038 m
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM

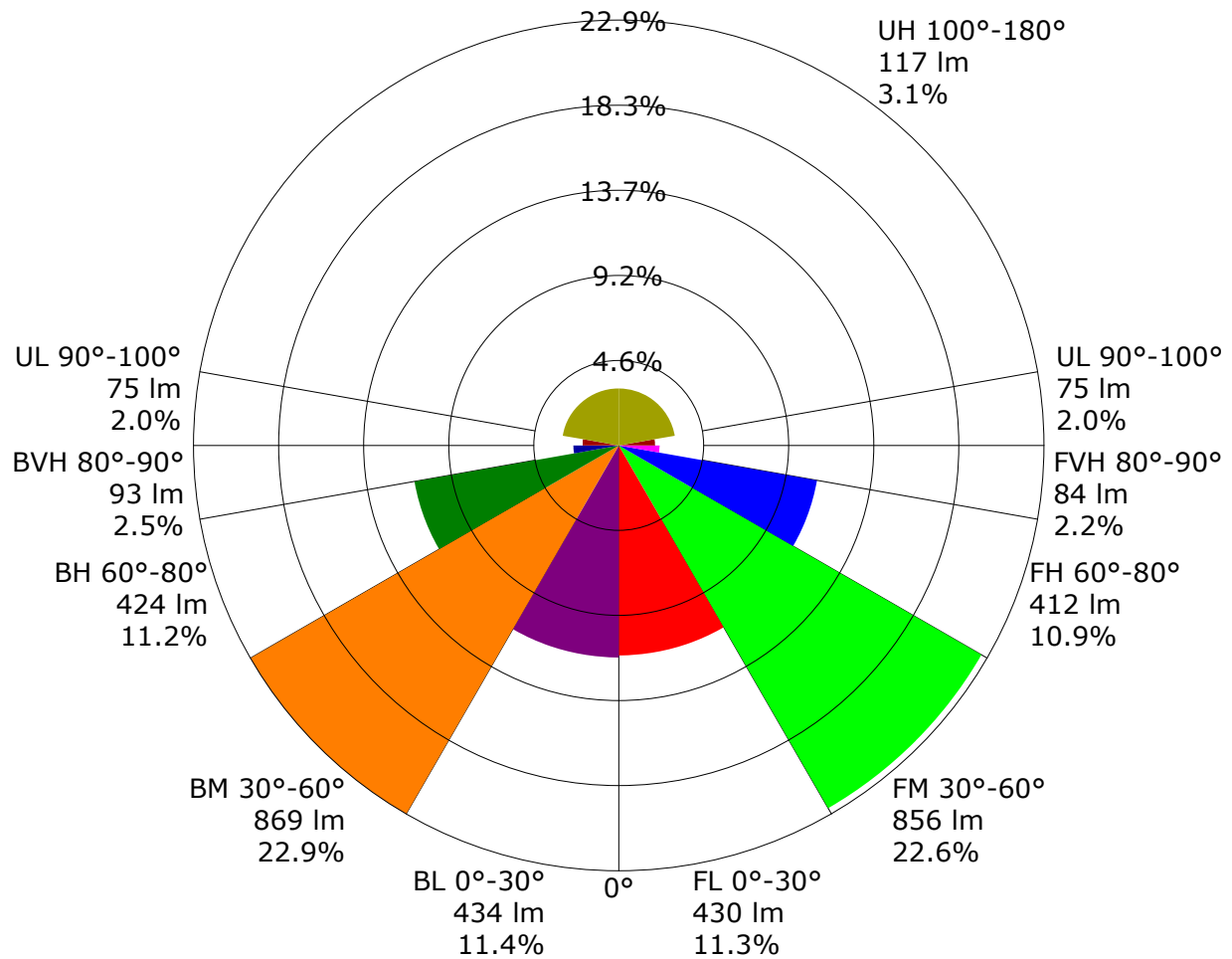
	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	1782	47.0
	FL (0°-30°)	430	11.3
	FM (30°-60°)	856	22.6
	FH (60°-80°)	412	10.9
	FVH (80°-90°)	84	2.2
	BACK LIGHT	1821	48.0
	BL (0°-30°)	434	11.4
	BM (30°-60°)	869	22.9
	BH (60°-80°)	424	11.2
	BVH (80°-90°)	93	2.5
	UP LIGHT	191	5.0
	UL (90°-100°)	75	2.0
	UH (100°-180°)	117	3.1
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U3 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U3 G1

C Plane (°):0.0-360.0: 45.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-180.0:1.0
Test Device: GPM-1800B
Distance: 8.038 m
Humidity:
Inspector:

LCS Graph



Forward Light

Back Light

Scale= MAX LCS%

Trapped Light:NA,NA

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 8.038 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	0.55	0.63	0.70	0.76	0.83	0.88	0.91	0.96	0.99	
	0.30		0.47	0.55	0.63	0.68	0.76	0.82	0.86	0.92	0.95	
	0.20		0.41	0.49	0.57	0.62	0.71	0.77	0.81	0.87	0.92	
0.50	0.50	0.20	0.53	0.60	0.67	0.72	0.79	0.84	0.87	0.91	0.94	
	0.30		0.46	0.53	0.61	0.66	0.73	0.78	0.82	0.87	0.91	
	0.20		0.41	0.48	0.55	0.61	0.68	0.74	0.78	0.84	0.88	
0.30	0.50	0.20	0.51	0.58	0.64	0.69	0.75	0.79	0.83	0.87	0.90	
	0.30		0.45	0.52	0.59	0.64	0.70	0.75	0.79	0.84	0.87	
	0.20		0.40	0.47	0.54	0.59	0.66	0.72	0.75	0.81	0.84	
0.00	0.00	0.00	0.37	0.44	0.51	0.55	0.62	0.67	0.70	0.75	0.79	
Rating:43W 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 = 1.50									
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	1.00	0.86	0.73	0.65	0.53	0.44	0.38	0.30	0.25	
	0.30		0.83	0.73	0.64	0.57	0.48	0.41	0.36	0.29	0.24	
	0.20		0.71	0.64	0.57	0.51	0.43	0.38	0.33	0.27	0.23	
0.50	0.50	0.20	0.95	0.82	0.70	0.62	0.50	0.45	0.36	0.29	0.24	
	0.30		0.81	0.71	0.62	0.55	0.46	0.39	0.34	0.27	0.23	
	0.20		0.70	0.63	0.55	0.50	0.42	0.36	0.32	0.26	0.22	
0.30	0.50	0.20	0.91	0.78	0.67	0.59	0.47	0.40	0.35	0.27	0.23	
	0.30		0.78	0.69	0.60	0.53	0.44	0.37	0.33	0.26	0.22	
	0.20		0.68	0.61	0.54	0.49	0.41	0.35	0.31	0.25	0.21	
0.00	0.00	0.00	0.58	0.51	0.45	0.40	0.33	0.28	0.25	0.20	0.17	
Rating:43W 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 = 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	0.21	0.23	0.24	0.24	0.25	0.26	0.26	0.27	0.27	
	0.30		0.14	0.16	0.17	0.18	0.20	0.21	0.22	0.23	0.24	
	0.20		0.09	0.11	0.12	0.14	0.15	0.17	0.18	0.20	0.21	
0.50	0.50	0.20	0.20	0.22	0.23	0.23	0.24	0.25	0.25	0.25	0.26	
	0.30		0.14	0.16	0.17	0.18	0.19	0.20	0.21	0.22	0.23	
	0.20		0.09	0.11	0.12	0.13	0.15	0.17	0.18	0.19	0.20	
0.30	0.50	0.20	0.20	0.21	0.22	0.22	0.23	0.24	0.24	0.24	0.25	
	0.30		0.14	0.15	0.16	0.17	0.19	0.20	0.20	0.21	0.22	
	0.20		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.19	0.20	
0.00	0.00	0.00	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	
Rating:43W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

Candlepower Table

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G0.0	1113.9	1104.2	1101.4	1098.3	1113.9	1104.2	1101.4	1098.3	1113.9	
G1.0	1113.2	1103.7	1101.6	1098.6	1114.1	1104.0	1100.7	1097.4	1113.2	
G2.0	1112.3	1103.1	1101.4	1098.7	1113.7	1103.2	1099.8	1096.3	1112.3	
G3.0	1111.0	1101.9	1100.7	1098.6	1113.2	1102.2	1098.6	1095.1	1111.0	
G4.0	1109.4	1100.6	1099.8	1098.2	1112.4	1100.9	1096.9	1093.4	1109.4	
G5.0	1107.2	1098.4	1098.7	1097.5	1111.1	1099.2	1094.9	1091.3	1107.2	
G6.0	1104.9	1096.1	1097.2	1096.3	1109.3	1096.7	1092.6	1089.1	1104.9	
G7.0	1102.2	1093.4	1095.0	1094.9	1107.3	1094.1	1090.0	1086.8	1102.2	
G8.0	1099.1	1090.3	1092.6	1093.4	1105.0	1091.2	1086.7	1084.1	1099.1	
G9.0	1095.8	1086.7	1090.1	1091.5	1102.0	1087.8	1083.4	1080.8	1095.8	
G10.0	1091.7	1082.4	1087.0	1089.5	1098.9	1083.7	1079.7	1077.3	1091.7	
G11.0	1087.6	1078.1	1083.7	1086.8	1095.6	1079.6	1075.7	1073.8	1087.6	
G12.0	1083.1	1073.2	1079.7	1084.1	1091.7	1074.8	1071.3	1070.0	1083.1	
G13.0	1078.3	1068.1	1075.8	1081.1	1087.8	1069.9	1066.3	1065.5	1078.3	
G14.0	1072.8	1062.3	1071.4	1077.6	1083.1	1064.2	1061.1	1061.0	1072.8	
G15.0	1067.4	1056.3	1066.8	1074.1	1078.3	1058.4	1055.8	1056.3	1067.4	
G16.0	1061.5	1049.7	1061.4	1070.0	1073.0	1052.3	1050.1	1051.2	1061.5	
G17.0	1055.3	1043.1	1056.1	1065.7	1067.4	1045.7	1043.9	1045.9	1055.3	
G18.0	1048.6	1035.6	1050.4	1061.3	1061.7	1038.9	1037.7	1040.0	1048.6	
G19.0	1042.0	1028.2	1044.1	1056.3	1055.2	1031.2	1030.8	1034.2	1042.0	
G20.0	1034.6	1020.1	1038.0	1051.3	1048.6	1023.5	1023.8	1028.1	1034.6	
G21.0	1027.3	1012.0	1031.4	1045.8	1041.9	1015.6	1016.2	1021.5	1027.3	
G22.0	1019.6	1002.9	1024.3	1040.4	1034.3	1007.2	1008.6	1014.9	1019.6	
G23.0	1011.1	994.0	1017.1	1034.2	1026.7	998.0	1000.4	1007.9	1011.1	
G24.0	1002.8	984.7	1009.1	1028.1	1019.0	988.6	991.8	1001.0	1002.8	
G25.0	994.2	974.7	1001.2	1021.8	1010.9	979.3	983.4	993.2	994.2	
G26.0	985.0	964.9	993.2	1014.9	1002.0	969.5	974.6	985.7	985.0	
G27.0	975.9	954.6	984.5	1008.1	993.5	959.0	965.1	977.8	975.9	
G28.0	965.9	943.6	975.9	1000.8	984.2	948.6	956.0	969.9	965.9	
G29.0	956.0	932.3	966.5	993.5	975.1	937.5	946.2	961.3	956.0	
G30.0	946.1	921.2	957.3	985.6	965.2	926.0	936.0	953.0	946.1	
G31.0	936.0	909.3	947.6	977.9	955.5	914.7	926.0	944.2	936.0	
G32.0	925.1	897.7	938.0	970.0	945.2	902.6	915.4	935.5	925.1	
G33.0	914.4	885.8	927.5	961.5	934.4	890.8	905.0	926.0	914.4	
G34.0	903.1	873.1	917.4	953.0	923.9	877.9	893.6	916.9	903.1	
G35.0	892.1	860.6	907.1	944.3	913.2	865.5	882.8	907.2	892.1	
G36.0	880.2	847.1	896.0	935.1	901.9	852.1	871.1	897.7	880.2	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 8.038 m

Humidity:

Inspector:

Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G37.0	868.8	834.2	885.1	925.7	890.7	839.0	859.8	887.4	868.8	
G38.0	857.2	821.2	873.6	916.5	878.6	825.8	848.3	877.6	857.2	
G39.0	844.9	807.1	862.4	907.1	867.1	811.7	836.0	867.4	844.9	
G40.0	832.9	793.5	850.6	897.0	854.8	797.3	824.2	857.6	832.9	
G41.0	820.0	779.0	839.1	887.3	842.6	783.5	811.7	847.2	820.0	
G42.0	807.6	764.8	826.6	876.9	826.5	768.7	798.8	836.7	807.6	
G43.0	794.9	749.8	814.6	866.8	781.6	754.4	786.5	826.3	794.9	
G44.0	781.7	735.2	802.6	856.7	766.4	739.0	773.5	815.9	781.7	
G45.0	768.9	720.6	790.4	846.0	753.6	723.5	760.2	804.0	768.9	
G46.0	755.0	705.0	777.2	835.7	741.3	708.5	747.4	793.1	755.0	
G47.0	742.0	689.8	764.7	824.9	728.5	692.5	734.0	782.1	742.0	
G48.0	728.7	674.4	751.8	814.3	715.9	677.0	721.1	770.4	728.7	
G49.0	715.1	658.7	738.2	803.5	702.5	660.5	707.4	759.1	715.1	
G50.0	701.5	642.8	725.1	792.5	689.7	644.5	694.4	747.2	701.5	
G51.0	687.4	625.9	712.0	781.2	676.3	627.7	681.0	735.7	687.4	
G52.0	674.1	609.9	698.8	769.3	663.3	611.5	667.9	723.6	674.1	
G53.0	660.8	593.0	685.0	757.8	649.7	594.5	653.9	712.0	660.8	
G54.0	646.7	576.6	672.0	746.4	636.8	577.9	640.5	699.7	646.7	
G55.0	632.7	559.3	658.5	734.4	623.4	560.3	626.3	687.5	632.7	
G56.0	619.0	542.7	645.4	722.7	609.9	542.7	612.1	675.8	619.0	
G57.0	605.1	525.8	631.5	710.2	597.0	525.6	598.5	663.3	605.1	
G58.0	590.4	508.1	618.3	698.3	583.3	507.5	584.2	651.4	590.4	
G59.0	576.4	491.0	604.8	685.8	569.3	490.1	570.5	638.6	576.4	
G60.0	562.3	473.6	590.5	673.7	556.0	471.8	555.9	626.3	562.3	
G61.0	547.5	455.2	576.8	661.6	541.9	454.0	542.0	613.1	547.5	
G62.0	533.6	437.7	563.2	648.6	528.4	435.1	527.6	599.9	533.6	
G63.0	518.7	420.1	548.7	636.0	514.1	417.2	513.9	587.0	518.7	
G64.0	504.7	401.7	534.9	623.0	500.6	398.5	499.4	573.2	504.7	
G65.0	490.8	383.9	520.7	610.3	486.6	379.5	485.2	559.9	490.8	
G66.0	476.4	365.0	507.0	597.4	473.3	361.3	471.6	546.0	476.4	
G67.0	462.5	347.1	492.6	583.4	459.0	342.3	456.9	532.4	462.5	
G68.0	447.8	328.4	478.9	570.0	445.1	323.0	442.5	517.7	447.8	
G69.0	433.8	310.3	464.7	555.8	431.7	304.5	428.5	502.7	433.8	
G70.0	419.0	291.2	450.8	541.9	417.3	286.1	414.2	487.9	419.0	
G71.0	404.7	273.0	436.9	527.8	403.6	266.9	398.9	471.9	404.7	
G72.0	390.2	254.9	422.8	512.3	389.1	248.3	384.3	456.3	390.2	
G73.0	375.6	236.9	407.6	497.3	375.1	228.9	369.0	440.3	375.6	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 8.038 m

Humidity:

Inspector:

Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G74.0	360.3	218.3	393.3	482.0	360.1	210.6	354.0	423.2	360.3	
G75.0	345.3	200.4	378.2	465.6	346.0	191.9	337.9	405.5	345.3	
G76.0	329.5	181.7	363.6	449.5	331.0	174.1	322.5	388.2	329.5	
G77.0	314.1	164.4	347.7	432.0	316.2	155.5	306.1	369.7	314.1	
G78.0	297.6	146.7	332.4	415.0	300.4	137.6	290.1	351.4	297.6	
G79.0	281.8	129.9	317.0	397.4	285.4	120.8	272.8	331.5	281.8	
G80.0	265.4	113.6	301.1	378.4	269.3	103.8	255.3	312.4	265.4	
G81.0	247.8	96.8	284.2	359.7	252.6	87.6	238.0	291.9	247.8	
G82.0	230.5	81.7	267.3	339.4	235.4	72.7	219.1	270.7	230.5	
G83.0	212.7	67.2	249.0	319.5	218.5	57.8	199.7	250.3	212.7	
G84.0	194.3	53.1	231.1	299.3	200.2	44.9	180.6	228.7	194.3	
G85.0	174.2	40.7	212.6	278.5	182.2	32.7	161.2	207.8	174.2	
G86.0	155.0	29.8	193.0	256.7	163.9	22.6	140.5	186.0	155.0	
G87.0	134.6	19.8	173.6	235.5	144.5	14.0	120.3	166.3	134.6	
G88.0	115.3	12.4	154.0	213.0	125.0	8.0	102.7	148.8	115.3	
G89.0	96.6	7.1	133.4	192.1	107.0	4.4	91.3	139.9	96.6	
G90.0	86.9	4.2	114.2	171.5	91.1	2.5	87.2	135.7	86.9	
G91.0	82.4	3.0	98.1	152.5	84.4	2.3	83.6	131.8	82.4	
G92.0	78.8	2.9	91.7	143.5	80.8	2.4	80.0	127.5	78.8	
G93.0	75.4	2.9	87.4	138.3	77.2	2.3	76.7	123.8	75.4	
G94.0	71.8	3.1	83.8	134.1	73.9	2.4	73.2	120.0	71.8	
G95.0	68.6	3.2	80.4	130.0	70.5	2.6	69.9	115.9	68.6	
G96.0	65.5	3.3	77.2	126.0	67.4	2.7	66.8	112.2	65.5	
G97.0	62.6	3.4	73.8	122.1	64.2	2.7	63.7	108.5	62.6	
G98.0	59.7	3.4	70.7	118.3	61.3	2.8	60.8	105.0	59.7	
G99.0	56.9	3.5	67.8	114.5	58.4	3.0	58.0	101.5	56.9	
G100.0	54.3	3.7	64.7	110.5	55.6	3.0	55.2	97.9	54.3	
G101.0	51.6	3.8	62.0	106.9	53.1	3.1	52.7	94.6	51.6	
G102.0	49.2	3.8	59.2	103.3	50.5	3.3	50.1	91.3	49.2	
G103.0	46.9	3.9	56.6	99.8	48.2	3.4	47.5	87.8	46.9	
G104.0	43.0	4.0	54.1	96.3	45.7	3.5	41.0	84.7	43.0	
G105.0	34.9	4.2	51.4	93.0	43.1	3.6	34.2	81.7	34.9	
G106.0	32.0	4.3	49.2	89.7	37.8	3.7	32.3	78.4	32.0	
G107.0	30.0	4.4	46.4	86.4	31.5	3.8	30.1	75.4	30.0	
G108.0	28.9	4.4	37.5	83.3	29.8	3.9	29.1	71.9	28.9	
G109.0	29.5	4.6	33.0	80.3	28.0	4.0	30.5	63.5	29.5	
G110.0	29.5	4.7	28.3	77.1	27.0	4.2	30.1	53.5	29.5	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 8.038 m

Humidity:

Inspector:

Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G111.0	28.6	4.8	25.5	74.1	26.9	4.2	29.3	51.1	28.6	
G112.0	27.7	4.9	26.5	71.2	27.5	4.3	28.0	49.2	27.7	
G113.0	26.8	5.0	28.3	68.4	26.7	4.5	27.1	47.2	26.8	
G114.0	25.8	5.1	28.2	59.1	25.8	4.5	25.9	45.9	25.8	
G115.0	24.7	5.3	26.6	51.3	24.9	4.6	24.9	47.0	24.7	
G116.0	23.8	5.4	25.6	48.3	24.0	4.8	24.1	48.6	23.8	
G117.0	23.0	5.4	25.2	46.4	23.0	4.9	23.3	47.7	23.0	
G118.0	22.2	5.5	24.7	44.6	22.1	5.0	22.3	46.5	22.2	
G119.0	21.5	5.6	23.9	42.8	21.3	5.1	21.6	44.8	21.5	
G120.0	20.7	5.8	23.3	41.8	20.5	5.2	20.8	43.0	20.7	
G121.0	19.9	5.9	22.9	44.0	19.7	5.3	20.1	41.3	19.9	
G122.0	19.2	5.9	22.2	43.6	19.0	5.4	19.3	39.6	19.2	
G123.0	18.6	6.0	21.5	42.7	18.4	5.5	18.6	38.0	18.6	
G124.0	18.1	6.1	20.6	41.6	17.8	5.6	18.1	36.4	18.1	
G125.0	17.5	6.2	20.0	40.0	17.1	5.7	17.5	34.9	17.5	
G126.0	16.9	6.3	19.5	38.3	16.5	5.8	16.9	33.5	16.9	
G127.0	16.5	6.4	18.8	36.8	16.1	5.9	16.4	32.2	16.5	
G128.0	16.0	6.5	18.3	35.3	15.5	5.9	15.9	30.8	16.0	
G129.0	15.5	6.6	17.8	33.8	15.0	6.0	15.3	29.6	15.5	
G130.0	15.0	6.7	17.3	32.2	14.7	6.1	14.9	28.4	15.0	
G131.0	14.6	6.7	16.8	30.5	14.3	6.3	14.6	27.2	14.6	
G132.0	14.4	6.8	16.2	29.4	13.8	6.3	14.1	26.1	14.4	
G133.0	14.0	6.9	15.7	27.8	13.4	6.4	13.7	25.0	14.0	
G134.0	13.7	7.0	15.4	26.4	13.2	6.5	13.3	24.0	13.7	
G135.0	13.3	7.1	15.0	25.1	12.8	6.5	12.9	23.1	13.3	
G136.0	12.7	7.1	14.6	23.8	12.3	6.6	12.4	22.2	12.7	
G137.0	12.1	7.2	14.1	22.8	12.1	6.8	11.9	21.3	12.1	
G138.0	11.8	7.3	13.6	21.9	11.9	6.8	11.5	20.4	11.8	
G139.0	11.3	7.4	13.3	21.1	11.4	7.0	11.0	19.7	11.3	
G140.0	11.1	7.5	12.9	20.5	11.1	7.0	10.7	18.8	11.1	
G141.0	10.8	7.5	12.3	19.8	10.9	7.0	10.6	18.2	10.8	
G142.0	10.8	7.6	12.0	19.1	10.5	7.1	10.4	17.5	10.8	
G143.0	10.6	7.7	11.6	18.4	10.0	7.2	10.1	16.7	10.6	
G144.0	10.4	7.7	11.4	17.7	9.6	7.3	9.9	16.1	10.4	
G145.0	10.2	7.8	10.9	17.1	9.4	7.3	9.9	15.5	10.2	
G146.0	10.1	7.9	10.5	16.4	9.2	7.4	9.8	14.8	10.1	
G147.0	10.0	8.0	9.9	15.9	8.9	7.5	9.6	14.0	10.0	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 8.038 m

Humidity:

Inspector:

Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G148.0	10.0	8.0	9.7	15.3	8.9	7.6	9.4	13.1	10.0	
G149.0	9.8	8.1	9.6	14.8	8.8	7.6	8.9	12.6	9.8	
G150.0	9.0	8.1	9.6	14.3	8.6	7.7	8.1	12.1	9.0	
G151.0	8.4	8.2	9.3	13.8	8.7	7.7	8.0	11.9	8.4	
G152.0	8.5	8.3	9.3	13.3	8.7	7.8	8.1	11.6	8.5	
G153.0	8.5	8.3	9.4	12.6	8.5	7.7	8.1	11.3	8.5	
G154.0	8.4	8.3	9.4	12.0	8.4	8.0	8.0	11.0	8.4	
G155.0	8.4	8.4	9.1	11.5	8.3	8.1	8.1	10.5	8.4	
G156.0	8.6	8.5	9.1	11.2	8.4	7.9	8.1	10.3	8.6	
G157.0	8.6	8.5	9.0	11.0	8.3	8.0	8.2	9.9	8.6	
G158.0	8.5	8.6	9.1	10.7	8.0	8.1	8.2	8.9	8.5	
G159.0	8.6	8.6	9.0	10.4	7.9	8.2	8.2	8.2	8.6	
G160.0	8.6	8.6	8.7	10.2	8.0	8.1	8.3	8.1	8.6	
G161.0	8.8	8.8	8.6	10.0	7.8	8.2	8.4	8.4	8.8	
G162.0	8.7	8.7	8.6	9.9	8.0	8.4	8.3	8.3	8.7	
G163.0	8.8	8.7	8.6	9.6	7.8	8.4	8.4	8.3	8.8	
G164.0	8.9	8.9	8.5	9.4	8.1	8.3	8.5	8.3	8.9	
G165.0	8.8	8.8	8.7	9.2	8.0	8.4	8.5	8.4	8.8	
G166.0	8.8	8.8	8.7	8.9	8.1	8.5	8.5	8.6	8.8	
G167.0	9.0	8.9	8.6	8.7	8.2	8.7	8.6	8.5	9.0	
G168.0	9.1	9.0	8.6	8.7	8.1	8.6	8.6	8.6	9.1	
G169.0	9.1	9.0	8.8	8.7	8.4	8.5	8.7	8.7	9.1	
G170.0	9.1	8.9	8.8	8.8	8.5	8.5	8.8	8.8	9.1	
G171.0	9.2	9.0	8.8	8.8	8.4	8.7	8.8	8.8	9.2	
G172.0	9.2	9.0	8.8	8.9	8.4	8.8	8.9	9.1	9.2	
G173.0	9.1	9.0	8.8	8.9	8.5	8.7	8.9	9.0	9.1	
G174.0	9.2	9.0	8.9	9.0	8.7	8.9	9.0	9.1	9.2	
G175.0	9.1	8.9	8.9	9.1	8.7	8.8	9.0	9.3	9.1	
G176.0	9.1	8.9	8.9	9.1	8.7	8.9	9.1	9.2	9.1	
G177.0	9.3	8.9	9.0	9.2	8.7	8.8	9.1	9.5	9.3	
G178.0	9.3	8.9	9.0	9.2	8.8	8.9	9.0	9.3	9.3	
G179.0	9.1	9.0	9.1	9.2	8.8	8.9	9.1	9.4	9.1	
G180.0	9.1	8.9	9.0	9.3	8.8	9.1	9.1	9.3	9.1	

C Plane (°):0.0-360.0: 45.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 8.038 m

Humidity:

Inspector: