

Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269



Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions

Brand: METALUX

Report Number: P893669

Luminaire Tested: 4MB-5SL-RND-UNV-L930

Issue Date: 11/11/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P893669  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-5SL-RND-UNV-L930  
Description: 5000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 3000K CCT  
Light Source: -  
Ballast/Driver: -

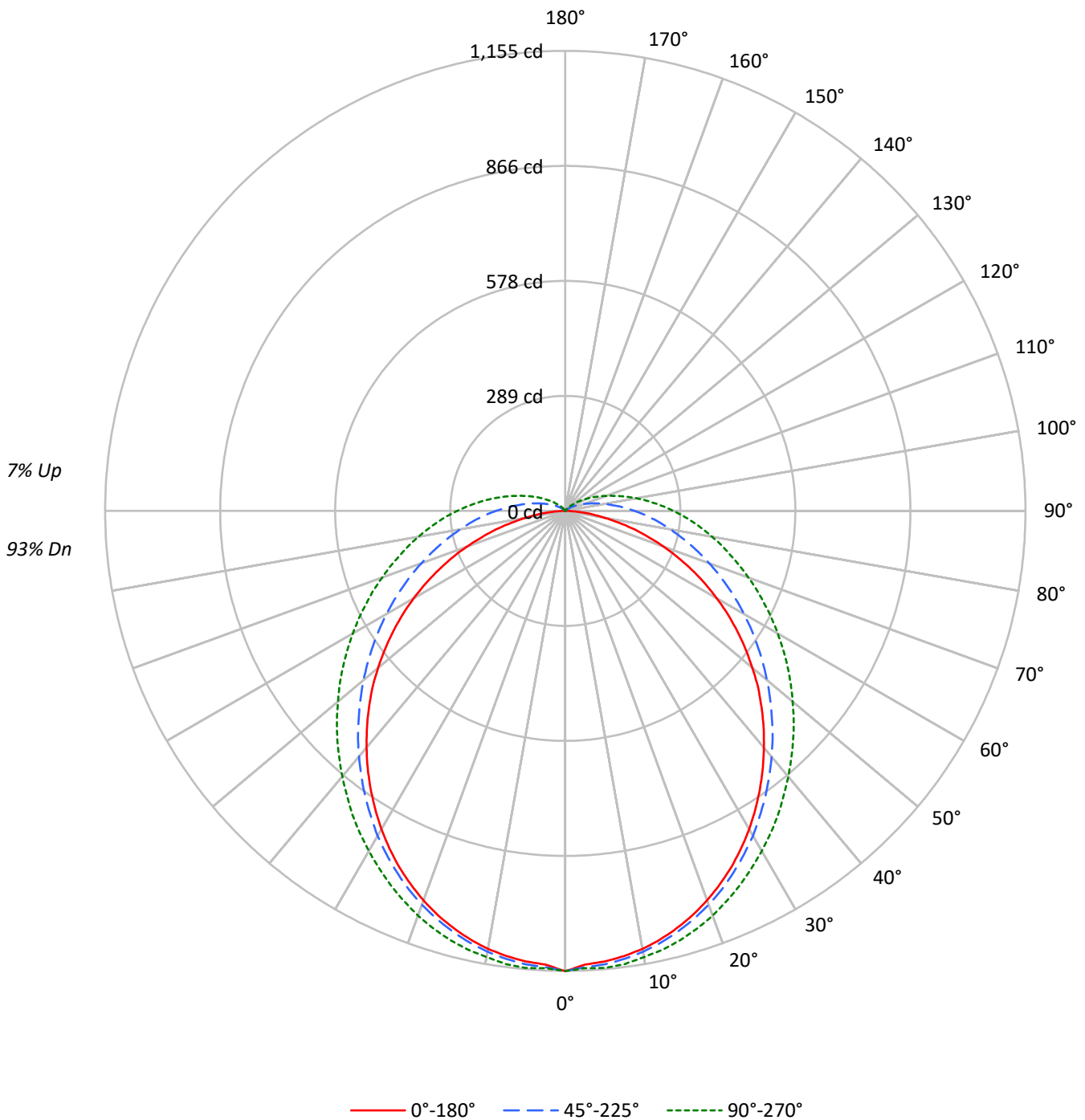
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3825.0 lumens  
Efficiency: N/A  
Efficacy: 109.3 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35  
Luminous Opening: Rectangular (W 0.38' x L: 3.98' x H: 0')  
CIE Type: Direct

Input Watts (W): 35  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: 0.995  
Total Harmonic Distortion (THDi): 9.55  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				20				20				20				20				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	76	76	76	76	74
2	95	86	78	72	92	83	77	71	79	73	68	74	70	65	70	66	63	63	63	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	55	62	57	53	53	53	53	50
4	79	66	57	50	76	64	56	49	61	54	48	58	51	46	55	49	45	45	45	45	43
5	72	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39	39	39	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	34	34	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	30	30	30	28
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	37	32	27	27	27	27	25
9	54	40	32	26	52	39	31	26	38	31	25	36	30	25	35	29	24	24	24	24	23
10	50	37	29	24	49	36	29	24	35	28	23	33	27	23	32	26	22	22	22	22	20

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	8221	8221	8221
5°	8110	8162	8226
10°	8067	8119	8217
15°	7985	8051	8218
20°	7879	7968	8187
25°	7744	7857	8141
30°	7584	7740	8104
35°	7398	7602	8088
40°	7205	7481	8086
45°	7005	7378	8142
50°	6785	7315	8246
55°	6538	7301	8445
60°	6253	7371	8761
65°	5906	7564	9285
70°	5473	7992	10175
75°	4945	8899	11804
80°	4188	10965	15336
85°	3396	17862	26278

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 90°  
 Vertical Angle: 87.5°  
 Luminance: 48364 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	109.3	2.9
10°-20°	311.3	8.1
20°-30°	466.2	12.2
30°-40°	555.9	14.5
40°-50°	576.5	15.1
50°-60°	534.8	14.0
60°-70°	446.2	11.7
70°-80°	332.7	8.7
80°-90°	221.5	5.8
90°-100°	134.8	3.5
100°-110°	75.3	2.0
110°-120°	37.6	1.0
120°-130°	15.7	0.4
130°-140°	4.9	0.1
140°-150°	1.2	0.0
150°-160°	0.5	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-30°	886.8	23.2
0°-40°	1442.6	37.7
0°-60°	2554.0	66.8
0°-90°	3554.3	92.9
90°-120°	247.7	6.5
90°-150°	269.6	7.0
90°-180°	271.0	7.1
0°-180°	3825.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1155	1155	1155	1155	1155	
5°	1136	1162	1143	1149	1152	108
15°	1084	1112	1093	1113	1116	306
25°	986	1013	1001	1029	1037	454
35°	852	874	875	919	931	533
45°	696	714	733	791	809	537
55°	527	545	589	657	681	471
65°	351	379	449	525	552	347
75°	180	230	324	402	429	190
85°	42	114	219	294	322	47
90°	2	75	174	245	271	3
95°	0	46	134	201	224	0
105°	0	14	73	124	143	0
115°	1	4	34	70	83	1
125°	1	1	14	34	42	1
135°	1	1	4	12	15	1
145°	1	1	1	3	4	1
155°	2	2	1	1	1	1
165°	2	2	1	1	1	1
175°	2	2	2	1	0	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4
2.5°	1140.1	1141.9	1158.1	1157.2	1154.5	1165.4	1168.1	1159.0	1144.6	1159.0	1146.4
5°	1135.5	1137.4	1153.6	1152.7	1150.0	1161.8	1162.7	1154.5	1140.1	1154.5	1142.8
7.5°	1127.4	1129.2	1145.5	1144.6	1142.8	1154.5	1153.6	1147.3	1131.9	1147.3	1134.6
10°	1116.6	1117.5	1134.6	1132.8	1131.9	1143.7	1141.0	1135.5	1120.2	1135.5	1123.8
12.5°	1102.1	1103.0	1120.2	1118.4	1118.4	1129.2	1125.6	1121.1	1105.7	1120.2	1110.2
15°	1084.0	1084.9	1101.2	1100.3	1100.3	1112.0	1106.6	1103.0	1088.5	1103.9	1093.0
17.5°	1064.1	1063.2	1080.4	1078.6	1080.4	1091.2	1084.0	1082.2	1068.6	1083.1	1074.1
20°	1040.6	1040.6	1056.0	1055.1	1057.8	1067.7	1058.7	1059.6	1046.0	1061.4	1052.4
22.5°	1014.4	1013.5	1028.9	1028.9	1031.6	1041.5	1031.6	1034.3	1020.7	1035.2	1028.0
25°	986.4	984.6	999.9	999.9	1004.4	1012.6	1001.7	1005.4	992.7	1007.2	1000.8
27.5°	955.6	952.9	968.3	969.2	972.8	980.9	969.2	974.6	962.9	976.4	971.9
30°	923.1	920.4	935.7	936.6	941.2	947.5	935.7	943.0	932.1	945.7	942.1
32.5°	887.8	886.0	900.5	902.3	906.8	911.3	900.5	907.7	898.7	912.2	908.6
35°	851.7	849.8	863.4	866.1	870.6	874.3	862.5	872.5	864.3	877.0	875.2
37.5°	814.6	811.9	826.3	828.2	833.6	835.4	824.5	836.3	829.1	841.7	840.8
40°	775.7	773.0	787.5	789.3	794.7	794.7	785.7	798.3	792.9	804.6	805.5
42.5°	736.8	734.1	746.8	750.4	754.9	754.9	745.9	759.4	755.8	767.6	770.3
45°	696.2	693.4	705.2	708.8	714.2	714.2	705.2	720.6	717.9	729.6	733.2
47.5°	656.4	652.8	663.6	667.2	672.6	671.7	664.5	679.9	679.0	690.7	697.1
50°	613.0	610.3	621.1	624.7	631.1	629.2	623.8	640.1	640.1	651.9	660.9
52.5°	570.5	567.8	578.6	582.2	587.7	587.7	582.2	599.4	602.1	613.9	624.7
55°	527.1	523.5	534.3	537.9	544.3	545.2	540.6	557.8	563.3	576.8	588.6
57.5°	483.7	481.9	490.9	494.5	502.7	502.7	500.0	518.0	525.3	539.7	553.3
60°	439.4	437.6	445.7	450.2	459.3	461.1	459.3	478.3	488.2	502.7	518.0
62.5°	395.1	393.3	401.4	407.7	417.7	419.5	420.4	440.3	451.1	466.5	483.7
65°	350.8	349.0	357.1	364.3	376.1	378.8	381.5	402.3	415.0	431.3	449.3
67.5°	306.5	305.6	313.7	322.8	335.4	339.0	343.6	365.3	379.7	396.9	416.8
70°	263.1	262.2	270.3	281.2	296.5	301.1	306.5	328.2	346.3	364.3	384.2
72.5°	219.7	220.6	229.6	242.3	259.5	264.0	271.2	293.8	313.7	332.7	353.5
75°	179.9	179.9	189.9	204.3	223.3	229.6	237.8	261.3	282.1	302.0	323.7
77.5°	139.2	139.2	151.0	169.1	189.9	196.2	206.1	230.5	253.1	273.0	294.7
80°	102.2	104.0	117.5	135.6	157.3	165.4	177.2	201.6	226.0	245.9	267.6
82.5°	69.6	72.3	86.8	107.6	129.3	137.4	149.2	175.4	199.8	220.6	243.2
85°	41.6	46.1	61.5	82.3	104.9	113.9	126.6	151.0	175.4	196.2	218.8
87.5°	19.0	25.3	41.6	62.4	84.1	94.0	104.9	128.4	152.8	173.6	197.1
90°	1.8	10.8	27.1	45.2	66.0	75.0	85.9	108.5	132.0	151.0	173.6
92.5°	0.0	4.5	16.3	32.5	50.6	59.7	69.6	91.3	112.1	131.1	152.8
95°	0.0	1.8	9.0	22.6	38.0	46.1	55.1	75.0	95.8	113.9	133.8
97.5°	0.0	0.9	5.4	15.4	28.0	35.3	43.4	61.5	80.5	97.6	115.7
100°	0.0	0.9	2.7	9.9	20.8	26.2	34.4	49.7	66.9	82.3	100.4
102.5°	0.0	0.0	1.8	6.3	15.4	19.9	26.2	39.8	55.1	69.6	85.9
105°	0.0	0.0	0.9	4.5	10.8	14.5	19.9	31.6	45.2	57.9	73.2
107.5°	0.0	0.0	0.9	2.7	7.2	10.8	15.4	24.4	36.2	47.9	61.5
110°	0.9	0.9	0.9	1.8	5.4	8.1	10.8	19.0	29.8	39.8	51.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.9	0.9	0.9	0.9	3.6	5.4	8.1	14.5	23.5	31.6	42.5
115°	0.9	0.9	0.9	0.9	2.7	3.6	5.4	10.8	18.1	25.3	34.4
117.5°	0.9	0.9	0.9	0.9	1.8	2.7	3.6	8.1	13.6	19.9	28.0
120°	0.9	0.9	0.9	0.9	0.9	1.8	2.7	5.4	10.8	15.4	22.6
122.5°	0.9	0.9	0.9	0.9	0.9	1.8	1.8	4.5	8.1	11.8	17.2
125°	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.7	5.4	9.0	13.6
127.5°	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.7	3.6	6.3	9.9
130°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.7	4.5	7.2
132.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.7	3.6	5.4
135°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.7	3.6
137.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8	2.7
140°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
142.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8
145°	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
147.5°	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
150°	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
152.5°	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9	0.9
155°	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	0.9	0.9
157.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9
160°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9
162.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9
165°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9	0.9
167.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9
170°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
172.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	0.9
175°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
177.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
180°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4	1155.4
2.5°	1150.0	1152.7	1155.4	1148.2	1152.7	1160.9	1163.6	1152.7	1156.3	1149.1
5°	1146.4	1148.2	1151.8	1142.8	1149.1	1156.3	1160.9	1151.8	1157.2	1151.8
7.5°	1139.2	1141.0	1145.5	1136.4	1144.6	1150.9	1156.3	1147.3	1152.7	1147.3
10°	1128.3	1131.0	1137.4	1126.5	1136.4	1141.9	1147.3	1137.4	1142.8	1137.4
12.5°	1114.7	1119.3	1124.7	1114.7	1124.7	1129.2	1136.4	1126.5	1132.8	1128.3
15°	1098.5	1103.0	1110.2	1100.3	1112.9	1116.6	1123.8	1113.8	1120.2	1115.7
17.5°	1079.5	1084.9	1094.0	1082.2	1096.7	1099.4	1106.6	1097.6	1103.9	1099.4
20°	1057.8	1063.2	1072.3	1061.4	1075.9	1077.7	1085.8	1077.7	1084.0	1081.3
22.5°	1032.5	1038.8	1047.8	1037.9	1053.3	1053.3	1063.2	1055.1	1062.3	1059.6
25°	1006.3	1013.5	1023.4	1012.6	1028.9	1028.9	1039.7	1031.6	1038.8	1037.0
27.5°	978.2	986.4	998.1	987.3	1003.5	1002.6	1013.5	1006.3	1014.4	1011.7
30°	948.4	957.4	969.2	960.1	977.3	975.5	986.4	980.0	987.3	986.4
32.5°	915.8	925.8	940.3	930.3	947.5	945.7	959.2	952.0	961.1	959.2
35°	883.3	894.1	908.6	899.6	918.6	915.8	929.4	923.1	932.1	931.2
37.5°	849.8	861.6	876.1	868.8	886.9	884.2	898.7	893.2	903.2	900.5
40°	815.5	827.2	842.6	836.3	855.3	851.7	867.0	862.5	872.5	870.6
42.5°	781.1	793.8	809.2	805.5	823.6	820.0	835.4	831.8	841.7	839.9
45°	745.9	759.4	775.7	772.1	791.1	787.5	802.8	800.1	810.1	809.2
47.5°	710.6	725.1	741.4	739.5	757.6	754.0	770.3	767.6	777.5	777.5
50°	674.5	690.7	707.0	706.1	724.2	720.6	735.0	735.0	745.9	745.0
52.5°	638.3	655.5	672.6	672.6	690.7	687.1	703.4	702.5	713.3	713.3
55°	603.9	619.3	636.5	640.1	657.3	651.9	669.0	670.8	679.9	680.8
57.5°	569.6	585.9	603.0	607.6	623.8	620.2	636.5	638.3	647.3	648.2
60°	535.2	550.6	567.8	574.1	590.4	586.8	603.0	604.8	614.8	615.7
62.5°	500.9	516.2	535.2	541.6	556.9	554.2	571.4	573.2	582.2	584.0
65°	467.4	483.7	501.8	510.8	525.3	521.7	538.8	540.6	550.6	551.5
67.5°	434.9	451.1	469.2	479.2	492.7	490.9	507.2	510.8	519.0	520.8
70°	403.2	419.5	438.5	448.4	462.0	461.1	476.5	479.2	488.2	489.1
72.5°	372.5	388.8	407.7	419.5	431.3	430.3	445.7	449.3	458.4	459.3
75°	342.7	359.8	377.9	390.6	402.3	401.4	416.8	420.4	428.5	429.4
77.5°	314.6	331.8	350.8	363.4	373.4	374.3	387.9	391.5	399.6	402.3
80°	288.4	304.7	322.8	336.3	345.4	347.2	359.8	364.3	370.7	374.3
82.5°	263.1	279.4	297.4	310.1	319.1	321.0	332.7	338.1	344.5	347.2
85°	238.7	255.0	272.1	285.7	293.8	294.7	306.5	311.9	317.3	321.9
87.5°	215.2	231.4	247.7	262.2	269.4	271.2	282.1	287.5	292.0	296.5
90°	191.7	207.9	224.2	237.8	245.0	245.9	257.7	263.1	267.6	271.2
92.5°	170.0	186.2	202.5	216.1	222.4	224.2	234.2	240.5	244.1	247.7
95°	149.2	165.4	179.9	194.4	200.7	203.4	212.5	217.9	222.4	224.2
97.5°	131.1	145.6	159.1	173.6	179.0	181.7	190.8	197.1	200.7	202.5
100°	113.9	127.5	140.1	153.7	159.1	161.8	170.0	175.4	179.0	181.7
102.5°	98.5	111.2	123.0	135.6	141.0	142.8	150.1	155.5	159.1	161.8
105°	85.0	96.7	107.6	119.3	123.9	126.6	132.9	137.4	141.0	142.8
107.5°	72.3	84.1	93.1	104.0	108.5	110.3	116.6	122.1	124.8	125.7
110°	61.5	71.4	80.5	89.5	94.9	96.7	102.2	106.7	109.4	110.3





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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	51.5	60.6	68.7	76.8	81.4	83.2	88.6	93.1	94.9	95.8
115°	42.5	51.5	57.9	66.0	69.6	71.4	75.9	80.5	81.4	83.2
117.5°	34.4	42.5	48.8	55.1	58.8	60.6	64.2	67.8	69.6	70.5
120°	28.0	34.4	39.8	46.1	48.8	50.6	54.2	57.9	58.8	59.7
122.5°	22.6	28.0	32.5	38.0	40.7	42.5	45.2	47.9	48.8	49.7
125°	17.2	22.6	26.2	30.7	33.5	34.4	37.1	39.8	40.7	41.6
127.5°	13.6	17.2	20.8	24.4	26.2	27.1	29.8	31.6	32.5	33.5
130°	9.9	12.7	15.4	19.0	20.8	21.7	23.5	25.3	26.2	26.2
132.5°	7.2	9.9	11.8	14.5	15.4	16.3	18.1	19.9	19.9	20.8
135°	4.5	6.3	8.1	9.9	11.8	11.8	13.6	14.5	15.4	15.4
137.5°	3.6	4.5	5.4	7.2	8.1	9.0	9.0	10.8	10.8	10.8
140°	2.7	3.6	3.6	4.5	5.4	6.3	6.3	7.2	7.2	7.2
142.5°	1.8	2.7	2.7	3.6	3.6	4.5	4.5	4.5	5.4	5.4
145°	1.8	1.8	1.8	2.7	2.7	2.7	2.7	3.6	3.6	3.6
147.5°	0.9	0.9	1.8	1.8	1.8	1.8	1.8	2.7	2.7	2.7
150°	0.9	0.9	0.9	0.9	0.9	1.8	1.8	1.8	1.8	1.8
152.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
155°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
157.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
162.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
165°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
167.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
170°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
172.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
175°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0
177.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0
180°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8



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**CIE UGR TABLE:**

Reflectances:											
Ceiling		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	17.61	19.14	18.08	19.60	20.09	19.18	20.71	19.65	21.17	21.66
	3H	19.28	20.69	19.77	21.15	21.68	21.80	23.21	22.29	23.67	24.20
	4H	19.88	21.21	20.39	21.70	22.24	23.11	24.45	23.62	24.93	25.47
	6H	20.28	21.52	20.80	22.02	22.57	24.52	25.76	25.04	26.26	26.81
	8H	20.40	21.58	20.93	22.11	22.67	25.27	26.46	25.80	26.98	27.54
	12H	20.47	21.61	21.01	22.13	22.72	26.12	27.26	26.65	27.77	28.37
4H	2H	18.53	19.86	19.04	20.35	20.89	19.73	21.06	20.23	21.54	22.09
	3H	20.51	21.65	21.03	22.18	22.74	22.65	23.78	23.16	24.31	24.87
	4H	21.29	22.33	21.83	22.87	23.46	24.17	25.21	24.71	25.75	26.34
	6H	21.87	22.79	22.43	23.35	23.96	25.81	26.73	26.37	27.30	27.91
	8H	22.05	22.92	22.61	23.48	24.10	26.69	27.56	27.26	28.13	28.75
	12H	22.18	22.96	22.76	23.56	24.18	27.70	28.49	28.28	29.08	29.70
8H	4H	22.17	23.04	22.73	23.60	24.22	24.53	25.40	25.09	25.96	26.58
	6H	23.05	23.79	23.64	24.39	25.02	26.43	27.17	27.03	27.78	28.40
	8H	23.40	24.06	24.00	24.68	25.32	27.52	28.18	28.12	28.80	29.44
	12H	23.67	24.26	24.28	24.87	25.58	28.78	29.38	29.39	29.98	30.69
12H	4H	22.45	23.23	23.03	23.83	24.45	24.57	25.36	25.16	25.95	26.58
	6H	23.50	24.17	24.10	24.78	25.42	26.54	27.21	27.15	27.82	28.46
	8H	24.02	24.61	24.62	25.22	25.92	27.74	28.33	28.35	28.94	29.65