

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: P893557

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893557
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-4SL-RND-UNV-L930
Description: 4000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 3000K CCT
Light Source: -
Ballast/Driver: -

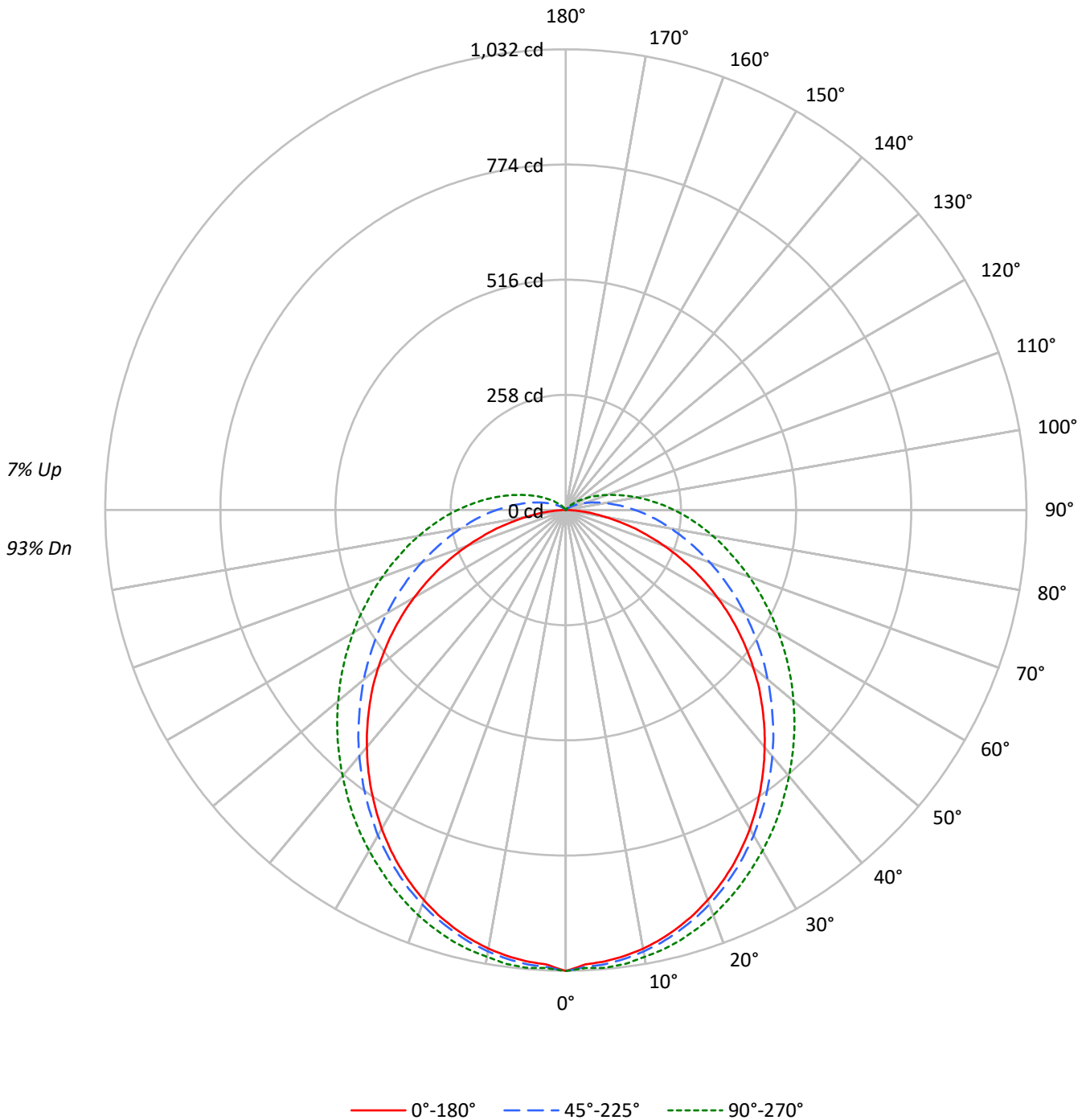
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3417.9 lumens
Efficiency: N/A
Efficacy: 114.7 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): 29.8
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 5.5
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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CATALOG NUMBER: 4MB-4SL-RND-UNV-L930

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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	96	96	96	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	76	76	76	76	76	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	63	63	63	63	63	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	53	53	53	53	53	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	45	45	45	45	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	39	39	39	39	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	34	34	34	34	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	30	30	30	30	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	27	27	27	27	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	24	24	24	24	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	22	22	22	22	22	22	22	22	20					

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7346	7346	7346
5°	7247	7294	7351
10°	7208	7255	7343
15°	7135	7194	7343
20°	7041	7120	7316
25°	6919	7021	7275
30°	6777	6916	7241
35°	6610	6792	7227
40°	6438	6685	7226
45°	6260	6593	7276
50°	6064	6537	7369
55°	5843	6524	7546
60°	5587	6587	7829
65°	5278	6759	8297
70°	4891	7144	9093
75°	4420	7950	10548
80°	3741	9797	13706
85°	3037	15960	23478

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 43226 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.7	2.9
10°-20°	278.2	8.1
20°-30°	416.6	12.2
30°-40°	496.7	14.5
40°-50°	515.2	15.1
50°-60°	477.9	14.0
60°-70°	398.7	11.7
70°-80°	297.3	8.7
80°-90°	197.9	5.8
90°-100°	120.5	3.5
100°-110°	67.3	2.0
110°-120°	33.6	1.0
120°-130°	14.0	0.4
130°-140°	4.4	0.1
140°-150°	1.1	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	792.4	23.2
0°-40°	1289.1	37.7
0°-60°	2282.2	66.8
0°-90°	3176.1	92.9
90°-120°	221.4	6.5
90°-150°	240.9	7.0
90°-180°	242.0	7.1
0°-180°	3417.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1032	1032	1032	1032	1032	
5°	1015	1038	1021	1027	1029	96
15°	969	994	977	994	997	273
25°	881	905	894	919	927	406
35°	761	781	782	821	832	476
45°	622	638	655	707	723	480
55°	471	487	526	587	608	421
65°	314	338	402	469	493	310
75°	161	205	289	360	384	170
85°	37	102	196	263	288	42
90°	2	67	155	219	242	3
95°	0	41	120	179	200	0
105°	0	13	65	111	128	0
115°	1	3	31	62	74	1
125°	1	1	12	30	37	1
135°	1	1	3	10	14	1
145°	1	1	1	2	3	1
155°	2	2	1	1	1	1
165°	2	2	1	1	1	0
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°	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5
2.5°	1018.8	1020.4	1034.9	1034.1	1031.7	1041.4	1043.8	1035.7	1022.8	1035.7	1024.4
5°	1014.7	1016.3	1030.9	1030.1	1027.6	1038.1	1039.0	1031.7	1018.8	1031.7	1021.2
7.5°	1007.4	1009.1	1023.6	1022.8	1021.2	1031.7	1030.9	1025.2	1011.5	1025.2	1013.9
10°	997.7	998.6	1013.9	1012.3	1011.5	1022.0	1019.6	1014.7	1001.0	1014.7	1004.2
12.5°	984.8	985.6	1001.0	999.4	999.4	1009.1	1005.8	1001.8	988.1	1001.0	992.1
15°	968.7	969.5	984.0	983.2	983.2	993.7	988.9	985.6	972.7	986.4	976.7
17.5°	950.9	950.1	965.4	963.8	965.4	975.1	968.7	967.0	954.9	967.9	959.8
20°	929.9	929.9	943.6	942.8	945.2	954.1	946.0	946.9	934.7	948.5	940.4
22.5°	906.5	905.6	919.4	919.4	921.8	930.7	921.8	924.2	912.1	925.0	918.6
25°	881.4	879.8	893.5	893.5	897.6	904.8	895.1	898.4	887.1	900.0	894.3
27.5°	853.9	851.5	865.3	866.1	869.3	876.6	866.1	870.9	860.4	872.5	868.5
30°	824.9	822.4	836.2	837.0	841.0	846.7	836.2	842.6	832.9	845.1	841.8
32.5°	793.4	791.7	804.7	806.3	810.3	814.4	804.7	811.1	803.0	815.2	811.9
35°	761.0	759.4	771.5	774.0	778.0	781.2	770.7	779.6	772.3	783.7	782.0
37.5°	727.9	725.5	738.4	740.0	744.9	746.5	736.8	747.3	740.8	752.1	751.3
40°	693.2	690.7	703.7	705.3	710.1	710.1	702.1	713.4	708.5	719.0	719.8
42.5°	658.4	656.0	667.3	670.6	674.6	674.6	666.5	678.6	675.4	685.9	688.3
45°	622.1	619.7	630.2	633.4	638.2	638.2	630.2	643.9	641.5	652.0	655.2
47.5°	586.5	583.3	593.0	596.2	601.1	600.3	593.8	607.5	606.7	617.2	622.9
50°	547.8	545.3	555.0	558.3	563.9	562.3	557.4	572.0	572.0	582.5	590.6
52.5°	509.8	507.4	517.1	520.3	525.1	525.1	520.3	535.6	538.1	548.6	558.3
55°	471.0	467.8	477.5	480.7	486.4	487.2	483.1	498.5	503.3	515.4	525.9
57.5°	432.2	430.6	438.7	441.9	449.2	449.2	446.8	462.9	469.4	482.3	494.4
60°	392.6	391.0	398.3	402.3	410.4	412.0	410.4	427.4	436.3	449.2	462.9
62.5°	353.0	351.4	358.7	364.4	373.2	374.9	375.7	393.4	403.1	416.9	432.2
65°	313.5	311.8	319.1	325.6	336.1	338.5	340.9	359.5	370.8	385.4	401.5
67.5°	273.9	273.1	280.3	288.4	299.7	303.0	307.0	326.4	339.3	354.7	372.4
70°	235.1	234.3	241.6	251.3	265.0	269.0	273.9	293.3	309.4	325.6	343.4
72.5°	196.3	197.1	205.2	216.5	231.9	235.9	242.4	262.6	280.3	297.3	315.9
75°	160.8	160.8	169.7	182.6	199.5	205.2	212.5	233.5	252.1	269.8	289.2
77.5°	124.4	124.4	134.9	151.1	169.7	175.3	184.2	206.0	226.2	244.0	263.4
80°	91.3	92.9	105.0	121.2	140.6	147.8	158.3	180.2	202.0	219.7	239.1
82.5°	62.2	64.6	77.6	96.1	115.5	122.8	133.3	156.7	178.5	197.1	217.3
85°	37.2	41.2	54.9	73.5	93.7	101.8	113.1	134.9	156.7	175.3	195.5
87.5°	17.0	22.6	37.2	55.7	75.1	84.0	93.7	114.7	136.5	155.1	176.1
90°	1.6	9.7	24.2	40.4	59.0	67.1	76.7	96.9	118.0	134.9	155.1
92.5°	0.0	4.0	14.5	29.1	45.2	53.3	62.2	81.6	100.2	117.1	136.5
95°	0.0	1.6	8.1	20.2	33.9	41.2	49.3	67.1	85.6	101.8	119.6
97.5°	0.0	0.8	4.8	13.7	25.0	31.5	38.8	54.9	71.9	87.3	103.4
100°	0.0	0.8	2.4	8.9	18.6	23.4	30.7	44.4	59.8	73.5	89.7
102.5°	0.0	0.0	1.6	5.7	13.7	17.8	23.4	35.5	49.3	62.2	76.7
105°	0.0	0.0	0.8	4.0	9.7	12.9	17.8	28.3	40.4	51.7	65.4
107.5°	0.0	0.0	0.8	2.4	6.5	9.7	13.7	21.8	32.3	42.8	54.9
110°	0.8	0.8	0.8	1.6	4.8	7.3	9.7	17.0	26.7	35.5	46.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.8	0.8	0.8	0.8	3.2	4.8	7.3	12.9	21.0	28.3	38.0
115°	0.8	0.8	0.8	0.8	2.4	3.2	4.8	9.7	16.2	22.6	30.7
117.5°	0.8	0.8	0.8	0.8	1.6	2.4	3.2	7.3	12.1	17.8	25.0
120°	0.8	0.8	0.8	0.8	0.8	1.6	2.4	4.8	9.7	13.7	20.2
122.5°	0.8	0.8	0.8	0.8	0.8	1.6	1.6	4.0	7.3	10.5	15.3
125°	0.8	0.8	0.8	0.8	0.8	0.8	1.6	2.4	4.8	8.1	12.1
127.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.6	2.4	3.2	5.7	8.9
130°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	2.4	4.0	6.5
132.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	2.4	3.2	4.8
135°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	2.4	3.2
137.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6	2.4
140°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6	1.6
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.6
145°	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	0.8	1.6	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
152.5°	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8	0.8
155°	1.6	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8	0.8	0.8
157.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8
160°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8
162.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8	0.8	0.8
165°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8	0.8
167.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8
170°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
172.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.8
175°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
177.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5	1032.5
2.5°	1027.6	1030.1	1032.5	1026.0	1030.1	1037.3	1039.8	1030.1	1033.3	1026.8
5°	1024.4	1026.0	1029.3	1021.2	1026.8	1033.3	1037.3	1029.3	1034.1	1029.3
7.5°	1017.9	1019.6	1023.6	1015.5	1022.8	1028.4	1033.3	1025.2	1030.1	1025.2
10°	1008.3	1010.7	1016.3	1006.6	1015.5	1020.4	1025.2	1016.3	1021.2	1016.3
12.5°	996.1	1000.2	1005.0	996.1	1005.0	1009.1	1015.5	1006.6	1012.3	1008.3
15°	981.6	985.6	992.1	983.2	994.5	997.7	1004.2	995.3	1001.0	996.9
17.5°	964.6	969.5	977.6	967.0	980.0	982.4	988.9	980.8	986.4	982.4
20°	945.2	950.1	958.2	948.5	961.4	963.0	970.3	963.0	968.7	966.2
22.5°	922.6	928.3	936.3	927.5	941.2	941.2	950.1	942.8	949.3	946.9
25°	899.2	905.6	914.5	904.8	919.4	919.4	929.1	921.8	928.3	926.7
27.5°	874.1	881.4	891.9	882.2	896.8	896.0	905.6	899.2	906.5	904.0
30°	847.5	855.6	866.1	858.0	873.3	871.7	881.4	875.8	882.2	881.4
32.5°	818.4	827.3	840.2	831.3	846.7	845.1	857.2	850.7	858.8	857.2
35°	789.3	799.0	811.9	803.9	820.8	818.4	830.5	824.9	832.9	832.1
37.5°	759.4	769.9	782.8	776.4	792.5	790.1	803.0	798.2	807.1	804.7
40°	728.7	739.2	753.0	747.3	764.3	761.0	774.8	770.7	779.6	778.0
42.5°	698.0	709.3	723.1	719.8	736.0	732.8	746.5	743.3	752.1	750.5
45°	666.5	678.6	693.2	689.9	706.9	703.7	717.4	715.0	723.9	723.1
47.5°	635.0	647.9	662.5	660.9	677.0	673.8	688.3	685.9	694.8	694.8
50°	602.7	617.2	631.8	631.0	647.1	643.9	656.8	656.8	666.5	665.7
52.5°	570.4	585.7	601.1	601.1	617.2	614.0	628.5	627.7	637.4	637.4
55°	539.7	553.4	568.8	572.0	587.3	582.5	597.8	599.5	607.5	608.3
57.5°	509.0	523.5	538.9	542.9	557.4	554.2	568.8	570.4	578.5	579.3
60°	478.3	492.0	507.4	513.0	527.6	524.3	538.9	540.5	549.4	550.2
62.5°	447.6	461.3	478.3	483.9	497.7	495.2	510.6	512.2	520.3	521.9
65°	417.7	432.2	448.4	456.5	469.4	466.2	481.5	483.1	492.0	492.8
67.5°	388.6	403.1	419.3	428.2	440.3	438.7	453.2	456.5	463.7	465.3
70°	360.3	374.9	391.8	400.7	412.8	412.0	425.8	428.2	436.3	437.1
72.5°	332.9	347.4	364.4	374.9	385.4	384.6	398.3	401.5	409.6	410.4
75°	306.2	321.5	337.7	349.0	359.5	358.7	372.4	375.7	382.9	383.7
77.5°	281.1	296.5	313.5	324.8	333.7	334.5	346.6	349.8	357.1	359.5
80°	257.7	272.3	288.4	300.5	308.6	310.2	321.5	325.6	331.2	334.5
82.5°	235.1	249.6	265.8	277.1	285.2	286.8	297.3	302.2	307.8	310.2
85°	213.3	227.8	243.2	255.3	262.6	263.4	273.9	278.7	283.6	287.6
87.5°	192.3	206.8	221.4	234.3	240.8	242.4	252.1	256.9	260.9	265.0
90°	171.3	185.8	200.4	212.5	218.9	219.7	230.2	235.1	239.1	242.4
92.5°	151.9	166.4	181.0	193.1	198.7	200.4	209.2	214.9	218.1	221.4
95°	133.3	147.8	160.8	173.7	179.4	181.8	189.9	194.7	198.7	200.4
97.5°	117.1	130.1	142.2	155.1	160.0	162.4	170.5	176.1	179.4	181.0
100°	101.8	113.9	125.2	137.3	142.2	144.6	151.9	156.7	160.0	162.4
102.5°	88.1	99.4	109.9	121.2	126.0	127.6	134.1	139.0	142.2	144.6
105°	75.9	86.4	96.1	106.6	110.7	113.1	118.8	122.8	126.0	127.6
107.5°	64.6	75.1	83.2	92.9	96.9	98.6	104.2	109.1	111.5	112.3
110°	54.9	63.8	71.9	80.0	84.8	86.4	91.3	95.3	97.8	98.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	46.0	54.1	61.4	68.7	72.7	74.3	79.2	83.2	84.8	85.6
115°	38.0	46.0	51.7	59.0	62.2	63.8	67.9	71.9	72.7	74.3
117.5°	30.7	38.0	43.6	49.3	52.5	54.1	57.4	60.6	62.2	63.0
120°	25.0	30.7	35.5	41.2	43.6	45.2	48.5	51.7	52.5	53.3
122.5°	20.2	25.0	29.1	33.9	36.4	38.0	40.4	42.8	43.6	44.4
125°	15.3	20.2	23.4	27.5	29.9	30.7	33.1	35.5	36.4	37.2
127.5°	12.1	15.3	18.6	21.8	23.4	24.2	26.7	28.3	29.1	29.9
130°	8.9	11.3	13.7	17.0	18.6	19.4	21.0	22.6	23.4	23.4
132.5°	6.5	8.9	10.5	12.9	13.7	14.5	16.2	17.8	17.8	18.6
135°	4.0	5.7	7.3	8.9	10.5	10.5	12.1	12.9	13.7	13.7
137.5°	3.2	4.0	4.8	6.5	7.3	8.1	8.1	9.7	9.7	9.7
140°	2.4	3.2	3.2	4.0	4.8	5.7	5.7	6.5	6.5	6.5
142.5°	1.6	2.4	2.4	3.2	3.2	4.0	4.0	4.0	4.8	4.8
145°	1.6	1.6	1.6	2.4	2.4	2.4	2.4	3.2	3.2	3.2
147.5°	0.8	0.8	1.6	1.6	1.6	1.6	1.6	2.4	2.4	2.4
150°	0.8	0.8	0.8	0.8	0.8	1.6	1.6	1.6	1.6	1.6
152.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
155°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
157.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
160°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
162.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
165°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
167.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
170°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
172.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
175°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0
177.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.0
180°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6



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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	17.22	18.75	17.69	19.21	19.70	18.79	20.32	19.26	20.78	21.27
	3H	18.89	20.30	19.38	20.76	21.29	21.41	22.82	21.90	23.28	23.81
	4H	19.49	20.82	19.99	21.31	21.85	22.72	24.05	23.23	24.54	25.08
	6H	19.89	21.13	20.41	21.63	22.18	24.13	25.37	24.65	25.87	26.42
	8H	20.01	21.19	20.53	21.72	22.28	24.88	26.07	25.41	26.59	27.15
	12H	20.08	21.22	20.62	21.74	22.33	25.73	26.87	26.26	27.38	27.98
4H	2H	18.14	19.47	18.65	19.96	20.50	19.34	20.67	19.84	21.15	21.69
	3H	20.12	21.26	20.64	21.79	22.35	22.26	23.39	22.77	23.92	24.48
	4H	20.90	21.94	21.44	22.48	23.07	23.78	24.82	24.32	25.36	25.95
	6H	21.48	22.40	22.04	22.96	23.57	25.42	26.34	25.98	26.91	27.52
	8H	21.66	22.53	22.22	23.09	23.71	26.30	27.17	26.87	27.73	28.36
	12H	21.79	22.57	22.37	23.17	23.79	27.31	28.09	27.89	28.69	29.31
8H	4H	21.78	22.64	22.34	23.21	23.83	24.14	25.01	24.70	25.57	26.19
	6H	22.66	23.40	23.25	24.00	24.63	26.04	26.78	26.64	27.38	28.01
	8H	23.01	23.67	23.61	24.29	24.93	27.12	27.79	27.73	28.41	29.05
	12H	23.28	23.87	23.89	24.48	25.18	28.39	28.98	29.00	29.59	30.30
12H	4H	22.06	22.84	22.64	23.44	24.06	24.18	24.97	24.77	25.56	26.19
	6H	23.11	23.77	23.71	24.39	25.03	26.15	26.82	26.76	27.43	28.07
	8H	23.63	24.22	24.23	24.83	25.53	27.35	27.94	27.96	28.55	29.25