

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: P893631

Luminaire Tested: 4MB-5SL-FLTU-UNV-L940

Issue Date: 11/11/2024

**Test Information**

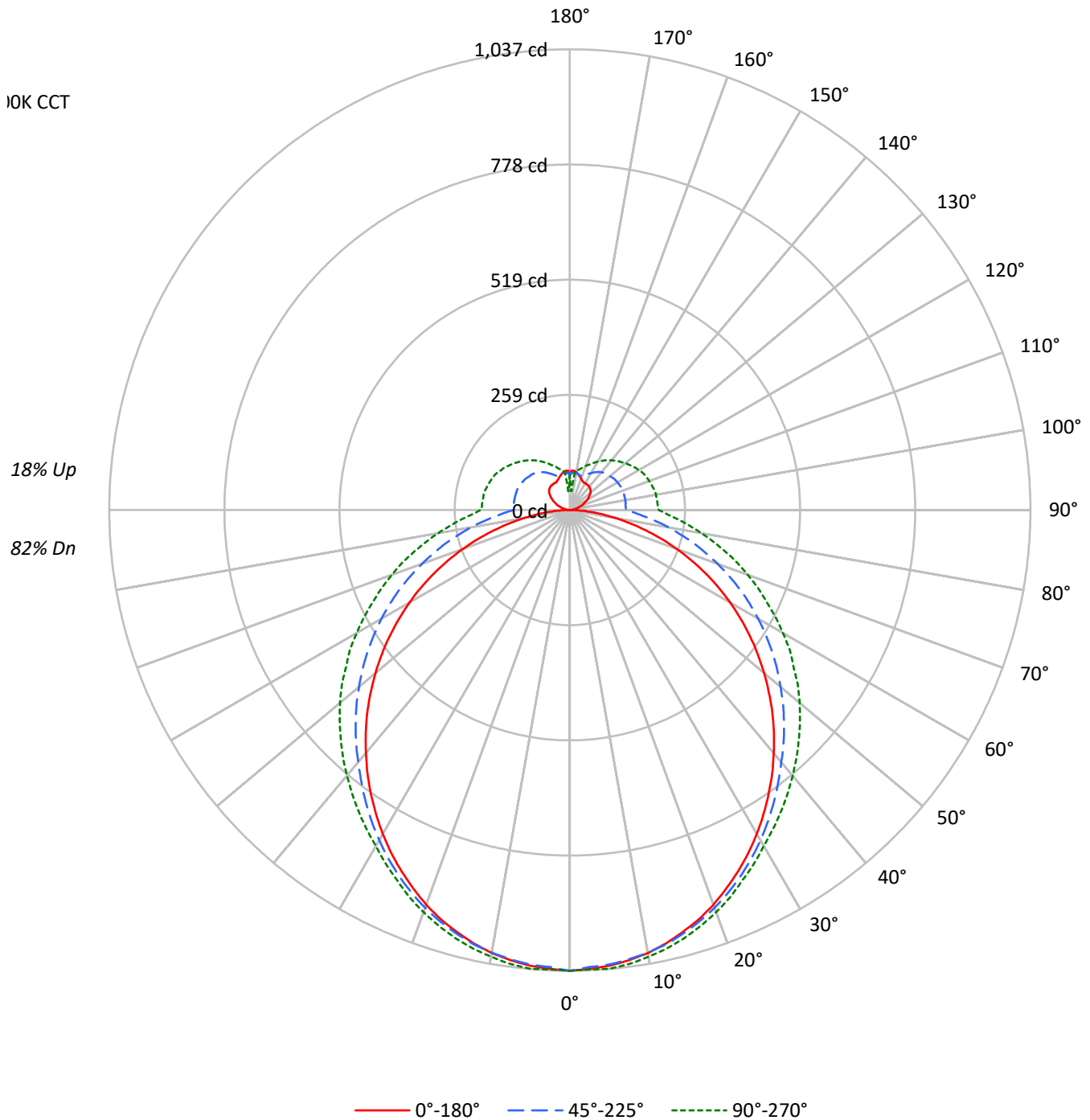
Test Method: LM-79-2019  
Report Number: P893631  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-5SL-FLTU-UNV-L940  
Description: 5000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 400  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3921.0 lumens  
Efficiency: N/A  
Efficacy: 112.0 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 3.98' x H: 0.21')  
CIE Type: Semi-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

TEST NUMBER: P893631  
CATALOG NUMBER: 4MB-5SL-FLTU-UNV-L940

### Luminous Intensity Polar Plot





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**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	0
RCR																					
0	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	86	86	86	82
1	103	98	93	89	99	94	90	86	86	83	80	79	77	74	73	71	69	69	69	69	66
2	93	85	77	71	89	81	75	69	75	69	65	69	64	61	63	60	57	57	57	57	54
3	85	74	65	59	81	71	63	57	65	59	54	60	55	51	55	51	48	48	48	48	45
4	77	65	56	49	74	63	54	48	58	51	45	53	48	43	49	45	41	41	41	41	38
5	71	58	49	42	68	56	47	41	52	45	39	48	42	37	44	39	35	35	35	35	32
6	66	52	43	37	62	50	42	36	47	39	34	43	37	32	40	35	31	31	31	31	28
7	61	47	38	32	58	45	37	31	42	35	30	39	33	29	37	31	27	27	27	27	25
8	56	43	34	29	54	41	33	28	39	32	27	36	30	26	34	28	24	24	24	24	22
9	53	39	31	26	50	38	30	25	35	29	24	33	27	23	31	26	22	22	22	22	20
10	49	36	28	23	47	35	28	23	33	26	22	31	25	21	29	24	20	20	20	20	18

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

	0°	45°	90°
0°	7380	7380	7380
5°	7320	7071	7062
10°	7248	6800	6727
15°	7142	6528	6406
20°	7024	6249	6081
25°	6874	5959	5751
30°	6715	5663	5450
35°	6540	5365	5203
40°	6354	5073	4966
45°	6167	4817	4741
50°	5951	4554	4522
55°	5718	4294	4278
60°	5438	4016	4045
65°	5104	3723	3783
70°	4669	3401	3539
75°	4073	3073	3275
80°	3292	2723	3005
85°	2273	2365	2757

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6167 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	98.1	2.5
10°-20°	279.8	7.1
20°-30°	420.3	10.7
30°-40°	504.7	12.9
40°-50°	530.7	13.5
50°-60°	498.6	12.7
60°-70°	414.6	10.6
70°-80°	295.8	7.5
80°-90°	176.1	4.5
90°-100°	127.5	3.3
100°-110°	125.8	3.2
110°-120°	118.1	3.0
120°-130°	104.7	2.7
130°-140°	86.8	2.2
140°-150°	64.9	1.7
150°-160°	42.7	1.1
160°-170°	24.2	0.6
170°-180°	7.7	0.2
0°-30°	798.1	20.4
0°-40°	1302.8	33.2
0°-60°	2332.0	59.5
0°-90°	3218.5	82.1
90°-120°	371.4	9.5
90°-150°	627.8	16.0
90°-180°	702.0	17.9
0°-180°	3921.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1037	1037	1037	1037	1037	
5°	1030	1042	1027	1030	1036	98
15°	983	998	987	994	997	277
25°	897	914	909	918	920	413
35°	780	798	801	821	829	488
45°	645	663	682	717	729	497
55°	495	515	556	602	615	443
65°	337	365	422	476	489	334
75°	177	217	289	345	363	188
85°	44	98	170	226	245	49
90°	0	56	126	181	200	3
95°	5	59	126	179	198	5
105°	18	65	127	177	194	19
115°	35	71	126	170	187	35
125°	53	76	122	159	171	47
135°	65	80	116	145	155	50
145°	69	78	104	129	136	43
155°	70	79	88	109	116	33
165°	80	85	82	83	97	23
175°	89	88	83	71	43	8
180°	78	78	78	78	78	



TEST NUMBER: P893631  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2
2.5°	1033.4	1036.2	1037.2	1046.6	1042.9	1046.6	1040.0	1032.4	1030.5	1035.3	1029.6
5°	1029.6	1032.4	1033.4	1042.9	1039.1	1041.9	1036.2	1028.6	1026.8	1032.4	1026.8
7.5°	1022.0	1024.9	1025.8	1036.2	1031.5	1035.3	1028.6	1021.1	1020.1	1025.8	1020.1
10°	1012.5	1015.4	1016.3	1025.8	1022.0	1025.8	1019.2	1011.6	1010.6	1017.3	1011.6
12.5°	999.3	1002.1	1004.0	1013.5	1008.8	1013.5	1005.9	998.3	999.3	1005.0	1001.2
15°	983.2	987.0	987.9	997.4	993.6	998.3	990.8	983.2	985.1	990.8	987.0
17.5°	966.1	969.9	970.9	979.4	975.6	981.3	972.8	966.1	968.0	973.7	970.9
20°	945.3	949.1	951.0	959.5	955.7	961.4	952.9	947.2	949.1	955.7	952.9
22.5°	921.6	927.3	928.2	937.7	933.0	938.7	930.1	925.4	928.2	934.9	932.0
25°	897.0	902.7	903.6	913.1	909.3	914.0	905.5	900.8	904.6	911.2	909.3
27.5°	870.5	876.1	878.0	886.6	882.8	888.5	879.0	876.1	879.9	886.6	884.7
30°	842.1	847.7	848.7	857.2	854.4	860.0	851.5	847.7	853.4	860.0	858.2
32.5°	811.7	817.4	820.3	827.8	825.0	829.7	822.2	820.3	825.0	831.6	830.7
35°	780.5	786.2	789.0	797.5	793.7	798.5	790.9	789.0	796.6	801.3	801.3
37.5°	748.3	754.0	756.8	765.3	760.6	766.3	758.7	757.8	766.3	771.0	771.0
40°	714.2	720.8	723.7	731.2	727.4	732.2	725.5	726.5	734.1	739.8	740.7
42.5°	680.1	686.7	689.6	698.1	693.3	698.1	692.4	693.3	701.9	707.5	712.3
45°	645.0	650.7	653.6	663.0	657.3	663.0	657.3	659.2	667.8	676.3	682.0
47.5°	608.1	613.8	618.5	626.1	621.4	626.1	622.3	625.1	635.6	644.1	651.7
50°	571.2	576.8	581.6	588.2	583.5	590.1	585.4	589.2	602.4	610.9	619.5
52.5°	533.3	538.0	545.6	549.4	545.6	553.2	549.4	555.1	568.3	578.7	588.2
55°	495.4	500.1	507.7	510.5	506.7	515.3	512.4	520.0	534.2	545.6	556.0
57.5°	456.5	461.3	467.9	470.8	467.9	477.4	476.4	485.0	499.2	511.5	522.8
60°	416.8	421.5	427.2	430.0	430.0	439.5	439.5	449.9	465.1	476.4	489.7
62.5°	377.9	380.8	386.5	390.2	393.1	402.6	402.6	413.9	430.0	443.3	456.5
65°	337.2	340.0	344.8	349.5	354.2	364.7	365.6	377.9	394.0	407.3	422.4
67.5°	296.5	299.3	304.0	309.7	316.4	326.8	328.7	341.9	359.0	374.1	388.3
70°	256.7	257.6	263.3	270.9	278.5	288.9	291.7	305.9	323.9	339.1	354.2
72.5°	216.9	217.9	223.5	233.0	241.5	252.9	256.7	271.8	289.8	305.0	320.1
75°	177.1	178.1	185.6	197.0	206.5	216.9	221.6	237.7	255.7	271.8	288.9
77.5°	139.2	141.1	148.7	160.1	171.4	183.8	188.5	204.6	224.5	239.6	255.7
80°	104.2	106.1	114.6	126.9	139.2	150.6	156.3	172.4	193.2	208.4	226.4
82.5°	72.0	74.8	85.2	98.5	110.8	123.1	128.8	144.0	162.9	180.0	197.0
85°	44.5	48.3	58.7	72.9	86.2	97.6	103.2	119.3	137.3	153.4	169.5
87.5°	20.8	26.5	36.9	51.1	65.4	74.8	81.5	97.6	114.6	130.7	146.8
90°	0.0	8.5	18.9	33.2	47.4	55.9	63.5	78.6	95.7	110.8	126.0
92.5°	1.9	9.5	20.8	34.1	48.3	56.8	64.4	79.6	95.7	110.8	126.0
95°	4.7	10.4	21.8	36.0	50.2	58.7	65.4	80.5	96.6	111.8	126.0
97.5°	8.5	13.3	24.6	37.9	52.1	59.7	67.3	82.4	97.6	112.7	126.9
100°	11.4	15.2	26.5	39.8	54.0	61.6	69.1	83.4	98.5	113.7	126.9
102.5°	14.2	18.9	29.4	41.7	55.9	63.5	70.1	84.3	99.5	113.7	126.9
105°	18.0	21.8	31.3	44.5	57.8	65.4	72.0	86.2	100.4	114.6	126.9
107.5°	21.8	24.6	34.1	46.4	59.7	66.3	72.9	87.1	101.3	114.6	126.9
110°	26.5	28.4	36.9	48.3	60.6	68.2	74.8	88.1	101.3	114.6	126.9



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	31.3	31.3	39.8	50.2	62.5	69.1	75.8	89.0	102.3	114.6	126.9
115°	35.0	36.0	42.6	52.1	64.4	71.0	76.7	89.0	102.3	114.6	126.0
117.5°	39.8	39.8	46.4	54.0	65.4	72.0	78.6	90.0	102.3	113.7	125.0
120°	44.5	43.6	49.3	56.8	67.3	72.9	79.6	90.9	102.3	113.7	124.1
122.5°	49.3	47.4	51.1	58.7	68.2	74.8	79.6	90.9	102.3	112.7	123.1
125°	53.0	51.1	54.0	61.6	70.1	75.8	80.5	90.9	102.3	111.8	122.2
127.5°	56.8	54.9	57.8	63.5	71.0	75.8	81.5	90.9	102.3	110.8	120.3
130°	60.6	57.8	61.6	65.4	72.9	76.7	81.5	90.9	101.3	109.9	118.4
132.5°	63.5	60.6	64.4	67.3	73.9	77.7	82.4	90.9	100.4	108.9	117.5
135°	65.4	62.5	67.3	69.1	75.8	79.6	83.4	90.9	99.5	108.0	115.6
137.5°	67.3	63.5	69.1	71.0	76.7	80.5	83.4	90.0	98.5	106.1	113.7
140°	68.2	65.4	71.0	72.9	75.8	79.6	83.4	89.0	96.6	104.2	110.8
142.5°	69.1	65.4	72.0	73.9	75.8	78.6	82.4	87.1	94.7	101.3	108.0
145°	69.1	66.3	72.0	73.9	75.8	77.7	80.5	86.2	91.9	97.6	104.2
147.5°	69.1	67.3	72.9	74.8	76.7	76.7	78.6	84.3	89.0	94.7	100.4
150°	70.1	67.3	72.9	74.8	77.7	77.7	78.6	81.5	87.1	90.9	95.7
152.5°	69.1	68.2	72.0	75.8	77.7	78.6	78.6	79.6	84.3	88.1	91.9
155°	70.1	70.1	72.9	77.7	78.6	78.6	79.6	78.6	80.5	84.3	88.1
157.5°	72.0	73.9	73.9	78.6	80.5	80.5	81.5	80.5	79.6	80.5	84.3
160°	74.8	76.7	76.7	79.6	82.4	82.4	83.4	82.4	81.5	80.5	80.5
162.5°	77.7	79.6	79.6	80.5	83.4	84.3	85.2	84.3	83.4	81.5	80.5
165°	80.5	82.4	82.4	82.4	84.3	85.2	86.2	85.2	85.2	83.4	82.4
167.5°	83.4	85.2	85.2	84.3	85.2	86.2	87.1	86.2	86.2	85.2	83.4
170°	86.2	88.1	88.1	86.2	87.1	87.1	88.1	87.1	87.1	85.2	84.3
172.5°	88.1	90.0	89.0	88.1	88.1	88.1	88.1	87.1	86.2	84.3	84.3
175°	89.0	90.9	90.9	89.0	88.1	88.1	89.0	87.1	86.2	85.2	83.4
177.5°	89.0	90.9	90.9	89.0	89.0	88.1	89.0	88.1	88.1	86.2	84.3
180°	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2	1037.2
2.5°	1033.4	1032.4	1026.8	1033.4	1033.4	1031.5	1039.1	1038.1	1037.2	1035.3
5°	1029.6	1028.6	1023.0	1029.6	1029.6	1028.6	1036.2	1037.2	1038.1	1036.2
7.5°	1023.9	1023.0	1017.3	1023.9	1023.9	1023.0	1031.5	1032.4	1033.4	1030.5
10°	1015.4	1014.4	1008.8	1015.4	1016.3	1015.4	1022.0	1023.0	1024.9	1021.1
12.5°	1004.0	1004.0	998.3	1005.0	1005.9	1005.0	1011.6	1013.5	1015.4	1010.6
15°	989.8	990.8	986.0	992.7	993.6	993.6	1000.2	1001.2	1004.0	997.4
17.5°	972.8	974.7	970.9	977.5	978.4	979.4	983.2	986.0	988.9	981.3
20°	954.8	955.7	952.9	958.6	960.4	959.5	964.2	968.0	970.9	963.3
22.5°	933.0	933.9	931.1	936.8	938.7	939.6	943.4	948.1	950.0	943.4
25°	908.4	912.1	910.2	915.9	917.8	917.8	921.6	926.3	929.2	919.7
27.5°	884.7	889.4	887.5	893.2	895.1	896.0	897.9	903.6	906.5	897.9
30°	858.2	863.8	862.9	868.6	870.5	869.5	873.3	879.0	882.8	873.3
32.5°	828.8	836.4	835.4	843.0	844.9	845.8	848.7	856.3	860.0	851.5
35°	800.4	808.9	809.8	818.4	821.2	822.2	825.9	833.5	837.3	828.8
37.5°	771.0	782.4	785.2	793.7	796.6	797.5	801.3	809.8	813.6	805.1
40°	742.6	755.9	759.6	767.2	770.1	772.9	775.7	784.3	789.0	780.5
42.5°	714.2	728.4	733.1	740.7	743.5	746.4	750.2	759.6	763.4	755.9
45°	684.8	700.0	705.7	713.2	717.0	719.9	723.7	732.2	736.9	729.3
47.5°	655.5	670.6	676.3	684.8	688.6	692.4	695.2	705.7	710.4	702.8
50°	624.2	641.2	647.9	655.5	661.1	664.0	667.8	677.2	682.0	675.3
52.5°	592.9	610.9	618.5	626.1	631.8	636.5	638.4	648.8	653.6	646.9
55°	560.7	578.7	587.3	595.8	601.5	607.1	609.0	619.5	624.2	614.7
57.5°	528.5	547.5	556.0	565.5	570.2	576.8	579.7	589.2	593.9	587.3
60°	496.3	514.3	524.7	533.3	539.9	545.6	547.5	557.9	562.6	554.1
62.5°	463.2	482.1	492.5	502.0	507.7	514.3	517.2	526.6	530.4	521.9
65°	429.1	448.0	459.4	467.9	475.5	481.2	483.1	493.5	497.3	488.7
67.5°	395.0	413.9	426.2	435.7	442.3	449.0	450.9	461.3	465.1	458.4
70°	361.8	380.8	393.1	404.4	409.2	415.8	418.7	428.1	431.9	426.2
72.5°	328.7	347.6	360.9	372.2	377.0	383.6	387.4	395.0	400.7	395.9
75°	296.5	315.4	328.7	340.0	344.8	351.4	355.2	362.8	366.6	362.8
77.5°	265.2	284.2	296.5	307.8	313.5	319.2	323.0	330.6	335.3	331.5
80°	234.9	253.8	266.2	276.6	282.3	287.9	291.7	300.3	304.0	301.2
82.5°	206.5	224.5	237.7	248.2	253.8	259.5	263.3	270.9	275.6	271.8
85°	180.9	198.9	211.2	221.6	226.4	232.1	235.8	243.4	247.2	245.3
87.5°	156.3	172.4	186.6	197.0	201.8	207.4	212.2	217.9	222.6	219.7
90°	137.3	151.6	164.8	175.2	180.9	186.6	192.3	198.0	201.8	199.9
92.5°	138.3	151.6	163.9	173.3	179.0	184.7	190.4	197.0	199.9	198.0
95°	138.3	151.6	163.9	173.3	179.0	184.7	190.4	197.0	199.9	198.0
97.5°	138.3	151.6	163.9	173.3	179.0	184.7	190.4	197.0	199.9	197.0
100°	138.3	151.6	163.9	173.3	179.0	183.8	189.4	196.1	198.9	197.0
102.5°	138.3	151.6	162.9	172.4	178.1	182.8	188.5	195.1	198.0	196.1
105°	138.3	150.6	162.9	171.4	177.1	181.9	187.5	193.2	196.1	194.2
107.5°	137.3	149.7	161.0	170.5	175.2	180.0	185.6	191.3	194.2	192.3
110°	137.3	148.7	160.1	168.6	173.3	178.1	183.8	189.4	192.3	190.4





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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	136.4	147.8	159.1	166.7	171.4	176.2	180.9	187.5	190.4	188.5
115°	135.4	146.8	157.2	164.8	169.5	173.3	179.0	185.6	187.5	186.6
117.5°	134.5	144.9	155.3	162.9	167.7	171.4	176.2	181.9	184.7	183.8
120°	133.6	143.0	153.4	160.1	164.8	168.6	172.4	178.1	180.9	179.0
122.5°	131.7	141.1	151.6	158.2	162.0	165.8	169.5	174.3	177.1	176.2
125°	129.8	139.2	148.7	155.3	159.1	162.0	165.8	170.5	172.4	171.4
127.5°	127.9	137.3	145.9	151.6	156.3	159.1	162.0	166.7	168.6	167.7
130°	126.0	134.5	143.0	148.7	152.5	155.3	158.2	162.9	163.9	163.9
132.5°	124.1	131.7	140.2	145.9	149.7	151.6	154.4	158.2	160.1	159.1
135°	122.2	128.8	137.3	142.1	144.9	147.8	150.6	154.4	155.3	155.3
137.5°	119.3	126.0	133.6	138.3	141.1	143.0	145.9	149.7	150.6	150.6
140°	116.5	123.1	129.8	133.6	137.3	139.2	141.1	144.9	145.9	145.9
142.5°	113.7	119.3	126.0	129.8	133.6	134.5	137.3	140.2	141.1	141.1
145°	109.9	116.5	122.2	126.0	128.8	129.8	132.6	135.4	135.4	136.4
147.5°	105.1	110.8	118.4	121.2	124.1	125.0	127.9	129.8	130.7	130.7
150°	100.4	106.1	112.7	117.5	120.3	121.2	122.2	125.0	125.0	126.0
152.5°	95.7	100.4	107.0	111.8	115.6	116.5	117.5	119.3	119.3	120.3
155°	90.9	94.7	100.4	105.1	108.9	110.8	112.7	114.6	114.6	115.6
157.5°	87.1	90.9	95.7	99.5	102.3	105.1	108.0	109.9	109.9	109.9
160°	82.4	85.2	90.0	92.8	96.6	98.5	103.2	105.1	105.1	106.1
162.5°	79.6	80.5	83.4	86.2	89.0	90.9	95.7	100.4	100.4	101.3
165°	80.5	79.6	80.5	81.5	83.4	84.3	87.1	93.8	95.7	96.6
167.5°	82.4	79.6	79.6	79.6	81.5	81.5	84.3	88.1	94.7	92.8
170°	82.4	79.6	77.7	77.7	78.6	77.7	79.6	82.4	86.2	90.0
172.5°	83.4	80.5	77.7	73.9	74.8	73.9	72.0	72.0	72.9	85.2
175°	82.4	80.5	76.7	72.0	71.0	68.2	62.5	57.8	54.9	42.6
177.5°	81.5	78.6	75.8	72.0	70.1	67.3	60.6	53.0	45.5	43.6
180°	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7	77.7



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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	14.63	15.95	15.24	16.58	17.30	17.18	18.50	17.79	19.13	19.85
	3H	16.03	17.23	16.66	17.87	18.63	19.61	20.81	20.24	21.45	22.21
	4H	16.46	17.60	17.11	18.25	19.02	20.75	21.89	21.40	22.54	23.31
	6H	16.70	17.76	17.36	18.42	19.21	21.88	22.94	22.55	23.61	24.39
	8H	16.74	17.75	17.41	18.44	19.23	22.44	23.45	23.12	24.14	24.93
	12H	16.75	17.72	17.43	18.40	19.22	23.03	23.99	23.70	24.68	25.49
4H	2H	15.52	16.65	16.17	17.31	18.08	17.53	18.66	18.18	19.32	20.09
	3H	17.14	18.11	17.80	18.80	19.59	20.16	21.13	20.82	21.82	22.61
	4H	17.70	18.58	18.38	19.28	20.10	21.45	22.33	22.13	23.03	23.85
	6H	18.03	18.81	18.73	19.53	20.36	22.76	23.54	23.46	24.26	25.09
	8H	18.11	18.84	18.81	19.56	20.40	23.42	24.15	24.12	24.87	25.71
	12H	18.14	18.80	18.87	19.55	20.39	24.12	24.78	24.84	25.53	26.37
8H	4H	18.34	19.08	19.05	19.80	20.64	21.60	22.33	22.30	23.05	23.89
	6H	18.85	19.47	19.58	20.23	21.07	23.06	23.67	23.79	24.43	25.28
	8H	19.00	19.56	19.75	20.32	21.18	23.84	24.39	24.58	25.15	26.01
	12H	19.09	19.59	19.84	20.34	21.26	24.70	25.19	25.45	25.94	26.86
12H	4H	18.51	19.17	19.23	19.92	20.76	21.59	22.26	22.32	23.00	23.84
	6H	19.11	19.66	19.85	20.42	21.28	23.07	23.63	23.82	24.39	25.25
	8H	19.34	19.83	20.09	20.59	21.50	23.91	24.40	24.65	25.15	26.07