

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: P893563

Luminaire Tested: 4MB-4SL-RNDU-UNV-L840

Issue Date: 11/11/2024

**Test Information**

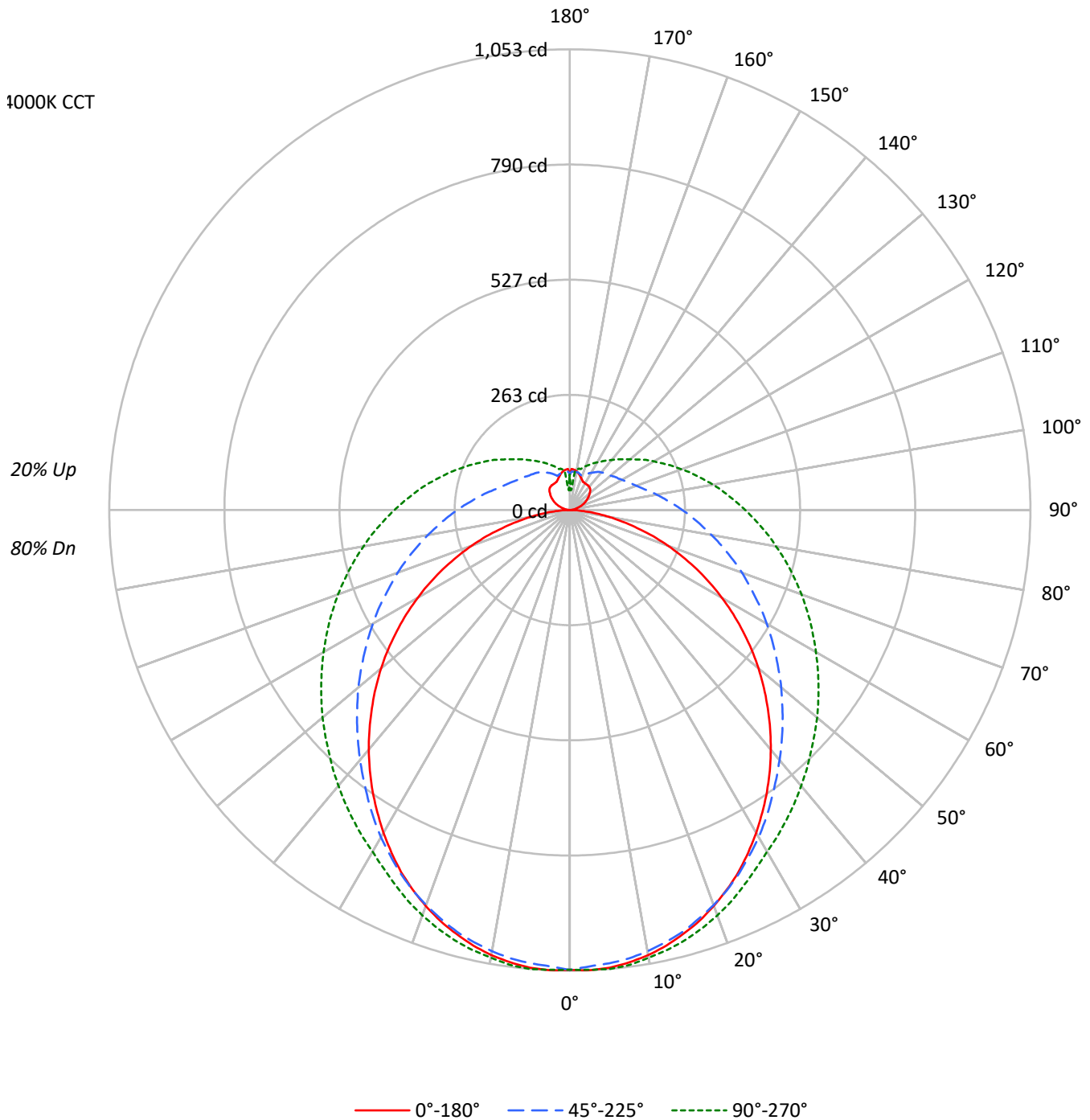
Test Method: LM-79-2019  
Report Number: P893563  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 4MB-4SL-RNDU-UNV-L840  
Description: 4000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 4  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4420.1 lumens  
Efficiency: N/A  
Efficacy: 148.3 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.28 / 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): 29.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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

TEST NUMBER: P893563  
CATALOG NUMBER: 4MB-4SL-RNDU-UNV-L840

### 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	114	114	114	114	109	109	109	109	100	100	100	91	91	91	83	83	83	83	83	83	80
1	102	96	91	86	97	92	87	83	84	80	76	76	73	70	69	67	65	65	65	65	61
2	92	82	75	68	87	79	72	66	72	66	61	65	61	57	60	56	53	53	53	53	49
3	83	72	63	56	79	69	61	54	63	56	51	57	52	47	52	48	44	44	44	44	41
4	76	63	54	47	72	60	52	45	55	48	43	51	45	40	46	41	37	37	37	37	34
5	69	56	47	40	66	54	45	39	49	42	37	45	39	34	41	36	32	32	32	32	29
6	64	50	41	35	61	48	40	34	44	37	32	41	35	30	37	32	28	28	28	28	26
7	59	46	37	30	56	44	35	30	40	33	28	37	31	26	34	29	25	25	25	25	23
8	55	41	33	27	52	40	32	26	37	30	25	34	28	24	31	26	22	22	22	22	20
9	51	38	30	24	49	36	29	23	34	27	22	31	25	21	29	24	20	20	20	20	18
10	48	35	27	22	46	34	26	21	31	25	20	29	23	19	27	22	18	18	18	18	16

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

	0°	45°	90°
0°	7477	7477	7477
5°	7464	7161	7176
10°	7394	6882	6845
15°	7285	6600	6538
20°	7154	6302	6224
25°	6996	6002	5908
30°	6794	5701	5629
35°	6585	5389	5423
40°	6361	5108	5236
45°	6118	4859	5070
50°	5865	4637	4941
55°	5573	4432	4829
60°	5244	4264	4745
65°	4844	4115	4698
70°	4347	4023	4682
75°	3679	3957	4703
80°	2875	3956	4777
85°	1839	4060	4933

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 6118 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.4	2.2
10°-20°	283.5	6.4
20°-30°	425.7	9.6
30°-40°	511.8	11.6
40°-50°	542.3	12.3
50°-60°	522.2	11.8
60°-70°	462.2	10.5
70°-80°	379.1	8.6
80°-90°	294.2	6.7
90°-100°	228.3	5.2
100°-110°	180.9	4.1
110°-120°	144.1	3.3
120°-130°	114.5	2.6
130°-140°	89.4	2.0
140°-150°	65.8	1.5
150°-160°	43.5	1.0
160°-170°	25.0	0.6
170°-180°	8.0	0.2
0°-30°	808.6	18.3
0°-40°	1320.4	29.9
0°-60°	2384.9	54.0
0°-90°	3520.4	79.6
90°-120°	553.4	12.5
90°-150°	823.1	18.6
90°-180°	900.0	20.4
0°-180°	4420.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1051	1051	1051	1051	1051	
5°	1050	1051	1040	1048	1053	100
15°	1003	1004	998	1013	1018	283
25°	913	916	916	939	945	420
35°	786	796	805	847	864	491
45°	640	655	688	753	780	494
55°	483	507	574	659	694	432
65°	320	364	467	565	607	317
75°	160	240	372	477	521	171
85°	36	145	291	397	439	41
90°	1	114	257	360	401	3
95°	5	94	227	325	365	5
105°	18	76	179	266	301	19
115°	36	73	149	217	246	35
125°	52	76	130	179	201	46
135°	66	81	117	150	164	50
145°	70	80	106	129	137	44
155°	71	83	91	110	116	33
165°	84	89	86	86	97	24
175°	93	92	88	73	49	9
180°	81	81	81	81	81	



TEST NUMBER: P893563  
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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1050.9	1050.9	1050.9	1050.9	1050.9	1050.9	1050.9	1050.9	1050.9	1050.9	1050.9
2.5°	1052.9	1051.9	1053.9	1055.9	1061.9	1053.9	1057.9	1046.9	1047.9	1048.9	1043.9
5°	1049.9	1046.9	1049.9	1051.9	1056.9	1050.9	1054.9	1042.9	1043.9	1045.9	1039.9
7.5°	1042.9	1039.9	1041.9	1043.9	1048.9	1042.9	1047.9	1035.9	1037.9	1038.9	1033.9
10°	1032.9	1028.9	1030.9	1033.9	1037.9	1032.9	1036.9	1025.9	1026.9	1028.9	1023.9
12.5°	1019.9	1015.9	1017.9	1019.9	1024.9	1019.9	1023.9	1012.9	1014.9	1016.9	1011.9
15°	1002.9	998.9	1000.9	1002.9	1006.9	1003.9	1007.9	996.9	998.9	1002.9	997.9
17.5°	984.9	978.9	980.9	983.9	987.9	985.9	988.9	979.9	980.9	984.9	979.9
20°	962.9	956.9	958.9	961.9	965.9	964.9	966.9	958.9	960.9	965.9	960.9
22.5°	938.9	932.9	934.9	938.9	941.9	941.9	942.9	936.9	938.9	943.9	939.9
25°	912.9	906.9	908.9	912.9	915.9	915.9	917.9	911.9	914.9	919.9	915.9
27.5°	882.9	879.9	879.9	883.9	885.9	887.9	888.9	883.9	887.9	892.9	889.9
30°	851.9	847.9	849.9	854.9	854.9	858.9	858.9	854.9	859.9	865.9	863.9
32.5°	818.9	815.9	816.9	822.9	822.9	827.9	826.9	824.9	829.9	836.9	834.9
35°	785.9	782.9	783.9	789.9	789.9	795.9	793.9	793.9	798.9	806.9	804.9
37.5°	750.9	748.9	749.9	755.9	755.9	761.9	759.9	760.9	766.9	775.9	774.9
40°	714.9	712.9	714.9	719.9	721.9	726.9	724.9	726.9	734.9	742.9	745.9
42.5°	677.9	676.9	678.9	683.9	685.9	690.9	689.9	692.9	700.9	712.9	716.9
45°	639.9	639.9	641.9	646.9	648.9	654.9	653.9	657.9	667.9	680.9	687.9
47.5°	601.9	602.9	603.9	609.9	609.9	619.9	616.9	622.9	635.9	650.9	658.9
50°	562.9	564.9	565.9	570.9	572.9	581.9	579.9	589.9	603.9	619.9	630.9
52.5°	523.9	525.9	527.9	531.9	533.9	544.9	542.9	555.9	572.9	589.9	601.9
55°	482.9	486.9	487.9	492.9	495.9	506.9	506.9	521.9	539.9	558.9	573.9
57.5°	442.9	446.9	447.9	453.9	457.9	470.9	472.9	489.9	509.9	528.9	546.9
60°	401.9	406.9	407.9	413.9	420.9	434.9	437.9	456.9	478.9	498.9	519.9
62.5°	361.0	366.0	368.0	374.0	384.9	398.9	403.9	425.9	448.9	470.9	493.9
65°	320.0	325.0	328.0	336.0	349.0	364.0	371.0	393.9	419.9	442.9	466.9
67.5°	279.0	285.0	289.0	299.0	316.0	332.0	339.0	365.0	391.9	416.9	441.9
70°	239.0	245.0	250.0	263.0	283.0	299.0	308.0	336.0	364.0	390.9	418.9
72.5°	200.0	206.0	213.0	229.0	251.0	269.0	279.0	308.0	339.0	366.0	394.9
75°	160.0	167.0	175.0	197.0	222.0	240.0	251.0	282.0	314.0	341.0	372.0
77.5°	124.0	131.0	143.0	165.0	193.0	213.0	225.0	258.0	291.0	318.0	350.0
80°	91.0	98.0	114.0	138.0	167.0	186.0	201.0	235.0	269.0	297.0	329.0
82.5°	62.0	69.0	88.0	114.0	145.0	164.0	178.0	214.0	248.0	277.0	309.0
85°	36.0	46.0	66.0	94.0	126.0	145.0	159.0	196.0	229.0	258.0	291.0
87.5°	16.0	28.0	50.0	78.0	110.0	128.0	143.0	177.0	212.0	241.0	274.0
90°	1.0	16.0	39.0	66.0	97.0	114.0	128.0	162.0	195.0	225.0	257.0
92.5°	2.0	11.0	32.0	57.0	86.0	103.0	117.0	149.0	180.0	211.0	242.0
95°	5.0	11.0	28.0	51.0	78.0	94.0	107.0	138.0	167.0	197.0	227.0
97.5°	8.0	12.0	27.0	48.0	72.0	87.0	99.0	128.0	157.0	184.0	214.0
100°	11.0	15.0	27.0	46.0	68.0	82.0	93.0	120.0	147.0	172.0	202.0
102.5°	14.0	18.0	29.0	46.0	66.0	78.0	89.0	114.0	139.0	162.0	190.0
105°	18.0	21.0	31.0	46.0	64.0	76.0	85.0	108.0	132.0	154.0	179.0
107.5°	22.0	24.0	33.0	47.0	64.0	74.0	83.0	104.0	126.0	146.0	170.0
110°	27.0	28.0	36.0	49.0	64.0	73.0	81.0	101.0	121.0	140.0	162.0



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	31.0	31.0	39.0	51.0	64.0	73.0	80.0	98.0	117.0	134.0	155.0
115°	36.0	36.0	42.0	53.0	65.0	73.0	80.0	97.0	114.0	129.0	149.0
117.5°	40.0	40.0	46.0	55.0	67.0	74.0	80.0	95.0	111.0	125.0	143.0
120°	44.0	44.0	48.0	57.0	68.0	75.0	80.0	94.0	108.0	122.0	138.0
122.5°	48.0	48.0	51.0	60.0	69.0	75.0	80.0	93.0	106.0	118.0	133.0
125°	52.0	52.0	54.0	62.0	71.0	76.0	81.0	93.0	105.0	115.0	130.0
127.5°	56.0	55.0	58.0	65.0	72.0	77.0	82.0	93.0	103.0	113.0	126.0
130°	59.0	58.0	62.0	67.0	74.0	78.0	82.0	92.0	102.0	111.0	122.0
132.5°	63.0	61.0	66.0	68.0	76.0	80.0	83.0	92.0	101.0	109.0	120.0
135°	66.0	64.0	69.0	71.0	77.0	81.0	84.0	92.0	100.0	108.0	117.0
137.5°	68.0	67.0	72.0	74.0	78.0	82.0	85.0	92.0	99.0	106.0	115.0
140°	69.0	68.0	72.0	76.0	78.0	82.0	84.0	91.0	98.0	104.0	112.0
142.5°	70.0	70.0	73.0	77.0	78.0	81.0	84.0	90.0	96.0	101.0	110.0
145°	70.0	70.0	73.0	78.0	79.0	80.0	82.0	88.0	93.0	98.0	106.0
147.5°	70.0	70.0	74.0	78.0	80.0	81.0	80.0	86.0	91.0	95.0	102.0
150°	70.0	70.0	74.0	78.0	81.0	82.0	81.0	84.0	88.0	92.0	98.0
152.5°	71.0	71.0	74.0	78.0	81.0	82.0	82.0	82.0	85.0	89.0	95.0
155°	71.0	72.0	74.0	80.0	82.0	83.0	83.0	83.0	82.0	86.0	91.0
157.5°	74.0	75.0	76.0	81.0	83.0	84.0	84.0	84.0	83.0	82.0	87.0
160°	77.0	78.0	79.0	83.0	85.0	86.0	86.0	86.0	84.0	83.0	83.0
162.5°	80.0	82.0	82.0	84.0	86.0	87.0	87.0	88.0	86.0	85.0	84.0
165°	84.0	85.0	85.0	86.0	88.0	89.0	88.0	89.0	88.0	87.0	86.0
167.5°	87.0	88.0	88.0	89.0	89.0	90.0	90.0	90.0	89.0	88.0	88.0
170°	90.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	90.0	88.0	88.0
172.5°	92.0	93.0	93.0	92.0	92.0	92.0	92.0	91.0	89.0	88.0	88.0
175°	93.0	94.0	94.0	93.0	92.0	92.0	92.0	91.0	89.0	88.0	88.0
177.5°	94.0	95.0	94.0	94.0	92.0	92.0	92.0	92.0	90.0	89.0	88.0
180°	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1050.9	1050.9	1050.9	1050.9	1050.9	1050.9	1050.9	1050.9	1050.9	1050.9
2.5°	1049.9	1037.9	1045.9	1046.9	1050.9	1046.9	1049.9	1046.9	1054.9	1051.9
5°	1045.9	1034.9	1041.9	1042.9	1047.9	1042.9	1047.9	1045.9	1055.9	1052.9
7.5°	1038.9	1029.9	1035.9	1036.9	1042.9	1037.9	1042.9	1040.9	1052.9	1048.9
10°	1028.9	1021.9	1027.9	1028.9	1034.9	1029.9	1033.9	1031.9	1044.9	1038.9
12.5°	1017.9	1011.9	1016.9	1017.9	1024.9	1019.9	1024.9	1022.9	1035.9	1029.9
15°	1001.9	998.9	1003.9	1005.9	1012.9	1008.9	1013.9	1011.9	1025.9	1017.9
17.5°	985.9	983.9	988.9	990.9	998.9	993.9	998.9	996.9	1010.9	1002.9
20°	965.9	964.9	969.9	972.9	979.9	974.9	980.9	978.9	993.9	985.9
22.5°	944.9	944.9	948.9	951.9	958.9	954.9	960.9	959.9	974.9	966.9
25°	921.9	922.9	926.9	930.9	938.9	935.9	940.9	940.9	954.9	944.9
27.5°	895.9	900.9	903.9	908.9	915.9	912.9	917.9	918.9	932.9	922.9
30°	868.9	875.9	878.9	884.9	890.9	890.9	895.9	897.9	911.9	901.9
32.5°	840.9	848.9	852.9	860.9	868.9	868.9	875.9	878.9	892.9	883.9
35°	812.9	823.9	828.9	838.9	846.9	847.9	854.9	858.9	872.9	863.9
37.5°	785.9	799.9	804.9	816.9	823.9	825.9	833.9	838.9	851.9	843.9
40°	757.9	774.9	780.9	793.9	799.9	803.9	811.9	817.9	829.9	822.9
42.5°	730.9	749.9	755.9	769.9	776.9	780.9	788.9	796.9	808.9	801.9
45°	703.9	724.9	731.9	746.9	752.9	758.9	767.9	774.9	785.9	779.9
47.5°	677.9	699.9	706.9	722.9	729.9	736.9	744.9	754.9	764.9	758.9
50°	650.9	673.9	682.9	699.9	705.9	713.9	723.9	732.9	742.9	737.9
52.5°	624.9	648.9	657.9	675.9	682.9	690.9	700.9	710.9	719.9	715.9
55°	596.9	622.9	632.9	651.9	658.9	666.9	677.9	688.9	696.9	693.9
57.5°	570.9	597.9	607.9	628.9	634.9	644.9	655.9	667.9	674.9	671.9
60°	544.9	571.9	583.9	604.9	611.9	621.9	632.9	645.9	651.9	649.9
62.5°	518.9	546.9	559.9	581.9	587.9	598.9	611.9	622.9	628.9	627.9
65°	494.9	521.9	536.9	558.9	564.9	576.9	588.9	600.9	606.9	606.9
67.5°	469.9	498.9	513.9	536.9	541.9	554.9	567.9	579.9	584.9	584.9
70°	446.9	474.9	491.9	514.9	519.9	531.9	545.9	558.9	562.9	563.9
72.5°	423.9	451.9	469.9	493.9	498.9	510.9	523.9	537.9	540.9	541.9
75°	401.9	429.9	447.9	471.9	476.9	488.9	502.9	515.9	519.9	520.9
77.5°	380.0	407.9	427.9	450.9	455.9	467.9	481.9	494.9	497.9	499.9
80°	360.0	386.9	405.9	430.9	435.9	447.9	460.9	473.9	475.9	478.9
82.5°	340.0	367.0	386.9	410.9	415.9	427.9	440.9	453.9	455.9	459.9
85°	321.0	348.0	368.0	390.9	396.9	407.9	421.9	433.9	435.9	438.9
87.5°	304.0	329.0	350.0	372.0	378.0	388.9	402.9	414.9	415.9	419.9
90°	286.0	311.0	332.0	354.0	360.0	370.0	383.9	395.9	397.9	400.9
92.5°	271.0	294.0	316.0	337.0	342.0	353.0	366.0	378.0	380.0	382.9
95°	255.0	278.0	300.0	320.0	325.0	336.0	348.0	360.0	362.0	365.0
97.5°	241.0	263.0	284.0	304.0	309.0	319.0	332.0	343.0	345.0	349.0
100°	228.0	249.0	271.0	289.0	294.0	304.0	316.0	327.0	329.0	333.0
102.5°	216.0	236.0	257.0	274.0	280.0	289.0	301.0	311.0	313.0	316.0
105°	205.0	224.0	244.0	260.0	266.0	275.0	286.0	296.0	298.0	301.0
107.5°	194.0	212.0	231.0	247.0	252.0	260.0	271.0	281.0	283.0	287.0
110°	184.0	202.0	220.0	235.0	241.0	247.0	258.0	267.0	269.0	272.0





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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	175.0	191.0	209.0	223.0	228.0	235.0	244.0	253.0	255.0	259.0
115°	167.0	182.0	200.0	213.0	217.0	223.0	233.0	241.0	243.0	246.0
117.5°	160.0	173.0	189.0	202.0	207.0	212.0	221.0	228.0	231.0	233.0
120°	154.0	166.0	180.0	192.0	198.0	202.0	210.0	217.0	220.0	222.0
122.5°	148.0	159.0	172.0	183.0	188.0	191.0	200.0	206.0	209.0	212.0
125°	143.0	153.0	165.0	174.0	179.0	182.0	190.0	196.0	199.0	201.0
127.5°	138.0	147.0	159.0	166.0	171.0	173.0	180.0	186.0	189.0	190.0
130°	133.0	142.0	152.0	159.0	163.0	166.0	172.0	176.0	179.0	180.0
132.5°	129.0	137.0	146.0	153.0	157.0	158.0	164.0	168.0	171.0	172.0
135°	126.0	132.0	141.0	147.0	150.0	152.0	157.0	160.0	163.0	164.0
137.5°	122.0	128.0	136.0	140.0	144.0	145.0	150.0	153.0	156.0	157.0
140°	119.0	124.0	131.0	135.0	139.0	139.0	143.0	146.0	149.0	149.0
142.5°	116.0	121.0	127.0	131.0	134.0	134.0	138.0	140.0	143.0	143.0
145°	112.0	117.0	123.0	126.0	129.0	129.0	132.0	134.0	137.0	137.0
147.5°	108.0	113.0	119.0	121.0	124.0	124.0	127.0	129.0	131.0	131.0
150°	103.0	107.0	114.0	117.0	120.0	120.0	122.0	124.0	126.0	126.0
152.5°	99.0	102.0	108.0	112.0	115.0	115.0	117.0	119.0	121.0	121.0
155°	94.0	97.0	102.0	107.0	110.0	111.0	113.0	114.0	116.0	116.0
157.5°	90.0	93.0	97.0	101.0	104.0	106.0	109.0	110.0	111.0	111.0
160°	85.0	87.0	91.0	95.0	98.0	100.0	105.0	106.0	107.0	107.0
162.5°	83.0	83.0	85.0	88.0	91.0	92.0	97.0	101.0	103.0	102.0
165°	84.0	83.0	83.0	84.0	86.0	87.0	90.0	96.0	98.0	97.0
167.5°	86.0	84.0	83.0	83.0	85.0	85.0	88.0	93.0	99.0	97.0
170°	86.0	83.0	81.0	81.0	82.0	82.0	84.0	87.0	93.0	94.0
172.5°	85.0	83.0	80.0	76.0	77.0	76.0	75.0	77.0	78.0	88.0
175°	86.0	83.0	80.0	75.0	73.0	70.0	65.0	61.0	60.0	49.0
177.5°	85.0	82.0	78.0	74.0	72.0	68.0	62.0	55.0	51.0	45.0
180°	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0	81.0



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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	13.92	15.23	14.56	15.90	16.67	17.46	18.78	18.11	19.44	20.21
	3H	15.27	16.47	15.92	17.14	17.94	20.38	21.58	21.04	22.25	23.06
	4H	15.67	16.81	16.35	17.50	18.31	21.86	23.00	22.53	23.68	24.50
	6H	15.89	16.95	16.58	17.65	18.48	23.42	24.48	24.10	25.17	26.00
	8H	15.92	16.94	16.62	17.66	18.49	24.23	25.24	24.92	25.96	26.79
	12H	15.93	16.90	16.63	17.62	18.48	25.10	26.08	25.81	26.79	27.65
4H	2H	15.06	16.20	15.74	16.89	17.70	17.79	18.92	18.46	19.61	20.42
	3H	16.70	17.68	17.39	18.40	19.24	20.93	21.91	21.62	22.63	23.47
	4H	17.27	18.17	17.98	18.90	19.76	22.58	23.49	23.29	24.21	25.07
	6H	17.62	18.41	18.34	19.16	20.03	24.36	25.15	25.08	25.90	26.77
	8H	17.69	18.44	18.41	19.19	20.07	25.29	26.04	26.02	26.79	27.67
	12H	17.72	18.40	18.46	19.17	20.06	26.31	27.00	27.06	27.77	28.66
8H	4H	18.36	19.11	19.09	19.86	20.74	22.76	23.51	23.49	24.26	25.14
	6H	18.97	19.61	19.72	20.40	21.28	24.71	25.35	25.47	26.14	27.02
	8H	19.17	19.74	19.93	20.53	21.43	25.79	26.37	26.56	27.16	28.06
	12H	19.28	19.80	20.05	20.58	21.53	27.01	27.53	27.78	28.31	29.26
12H	4H	18.71	19.40	19.46	20.17	21.06	22.75	23.44	23.50	24.21	25.10
	6H	19.49	20.07	20.26	20.86	21.76	24.74	25.32	25.51	26.11	27.01
	8H	19.82	20.34	20.59	21.12	22.07	25.89	26.41	26.66	27.18	28.14