

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: P895047

Luminaire Tested: 8TMB-4SL-RNDU-UNV-L840

Issue Date: 11/11/2024

**Test Information**

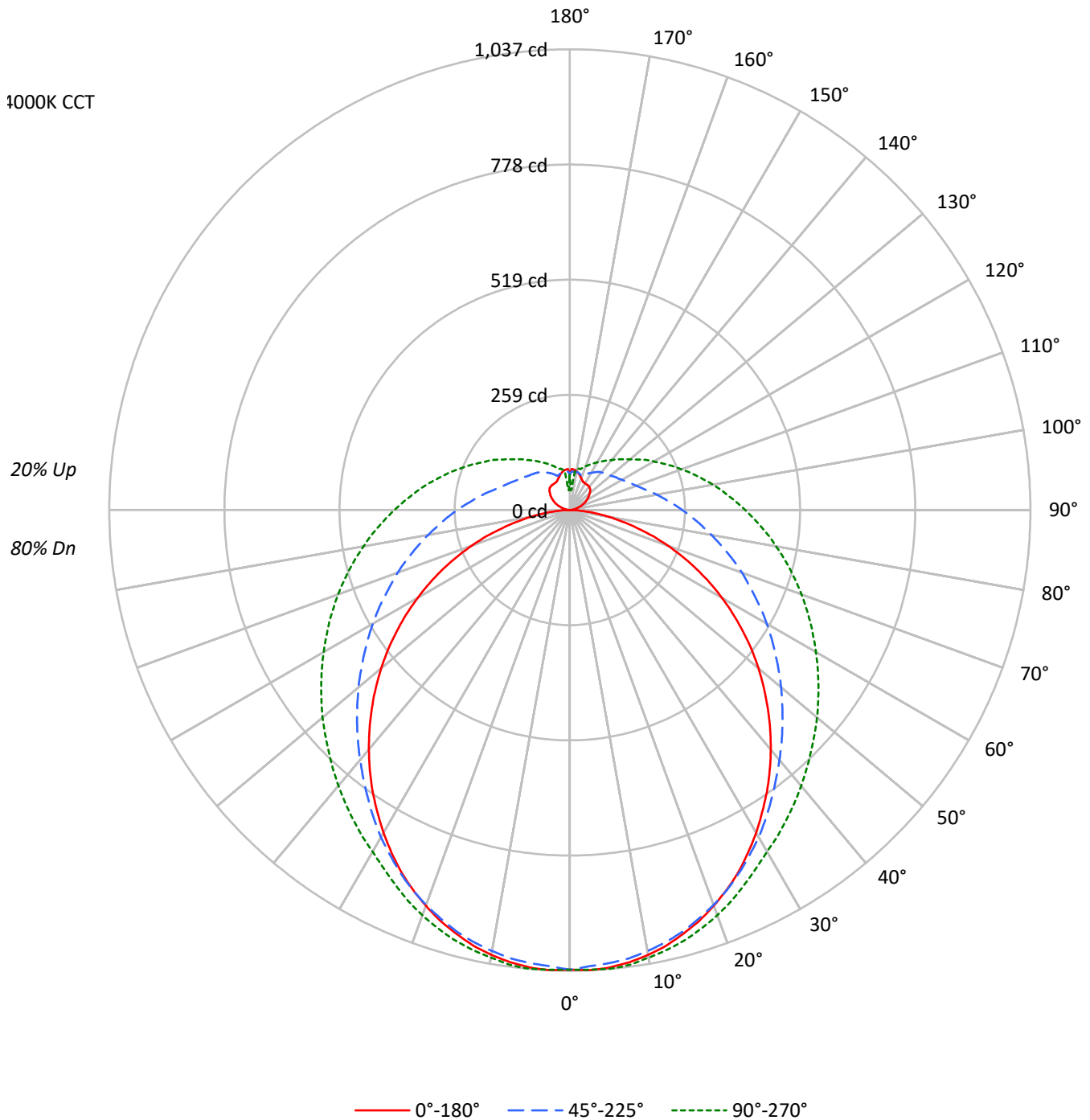
Test Method: LM-79-2019  
Report Number: P895047  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 8TMB-4SL-RNDU-UNV-L840  
Description: 4000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS WITH UPLIGHT, 80CRI, 4  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4352.0 lumens  
Efficiency: N/A  
Efficacy: 157.7 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.28 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 7.98' x H: 0.21')  
CIE Type: Semi-Direct  
  
Input Watts (W): 27.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: 0.99  
Total Harmonic Distortion (THDi): 4.5  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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CATALOG NUMBER: 8TMB-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°	3671	3671	3671
5°	3673	3522	3523
10°	3647	3389	3361
15°	3602	3255	3210
20°	3546	3112	3056
25°	3476	2969	2901
30°	3386	2823	2764
35°	3292	2673	2663
40°	3190	2537	2571
45°	3081	2417	2489
50°	2967	2311	2426
55°	2836	2213	2371
60°	2687	2133	2330
65°	2504	2064	2307
70°	2278	2023	2299
75°	1967	1996	2309
80°	1595	2004	2346
85°	1110	2068	2423

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 3081 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.9	2.2
10°-20°	279.1	6.4
20°-30°	419.1	9.6
30°-40°	504.0	11.6
40°-50°	533.9	12.3
50°-60°	514.2	11.8
60°-70°	455.1	10.5
70°-80°	373.3	8.6
80°-90°	289.6	6.7
90°-100°	224.8	5.2
100°-110°	178.1	4.1
110°-120°	141.9	3.3
120°-130°	112.7	2.6
130°-140°	88.0	2.0
140°-150°	64.8	1.5
150°-160°	42.8	1.0
160°-170°	24.7	0.6
170°-180°	7.9	0.2
0°-30°	796.1	18.3
0°-40°	1300.1	29.9
0°-60°	2348.2	54.0
0°-90°	3466.2	79.6
90°-120°	544.8	12.5
90°-150°	810.3	18.6
90°-180°	886.0	20.4
0°-180°	4352.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1035	1035	1035	1035	1035	
5°	1034	1035	1024	1032	1037	98
15°	987	988	982	997	1002	278
25°	899	902	902	924	930	413
35°	774	784	792	834	851	484
45°	630	645	677	741	768	486
55°	476	499	565	649	683	425
65°	315	358	460	556	598	312
75°	158	236	366	470	513	168
85°	35	143	286	391	432	41
90°	1	112	253	354	395	3
95°	5	92	224	320	359	5
105°	18	75	176	262	296	19
115°	35	72	147	214	242	35
125°	51	75	128	176	198	46
135°	65	80	115	148	162	50
145°	69	79	104	127	135	43
155°	70	82	90	108	114	33
165°	83	88	85	85	96	23
175°	92	91	87	72	48	9
180°	80	80	80	80	80	



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7
2.5°	1036.7	1035.7	1037.6	1039.6	1045.5	1037.6	1041.6	1030.8	1031.7	1032.7	1027.8
5°	1033.7	1030.8	1033.7	1035.7	1040.6	1034.7	1038.6	1026.8	1027.8	1029.8	1023.9
7.5°	1026.8	1023.9	1025.8	1027.8	1032.7	1026.8	1031.7	1019.9	1021.9	1022.9	1018.0
10°	1017.0	1013.0	1015.0	1018.0	1021.9	1017.0	1020.9	1010.1	1011.1	1013.0	1008.1
12.5°	1004.2	1000.2	1002.2	1004.2	1009.1	1004.2	1008.1	997.3	999.3	1001.2	996.3
15°	987.4	983.5	985.5	987.4	991.4	988.4	992.4	981.5	983.5	987.4	982.5
17.5°	969.7	963.8	965.8	968.7	972.7	970.7	973.7	964.8	965.8	969.7	964.8
20°	948.1	942.2	944.1	947.1	951.0	950.0	952.0	944.1	946.1	951.0	946.1
22.5°	924.4	918.5	920.5	924.4	927.4	927.4	928.4	922.5	924.4	929.4	925.4
25°	898.8	892.9	894.9	898.8	901.8	901.8	903.8	897.9	900.8	905.7	901.8
27.5°	869.3	866.3	866.3	870.3	872.3	874.2	875.2	870.3	874.2	879.1	876.2
30°	838.8	834.8	836.8	841.7	841.7	845.7	845.7	841.7	846.7	852.6	850.6
32.5°	806.3	803.3	804.3	810.2	810.2	815.2	814.2	812.2	817.1	824.0	822.0
35°	773.8	770.9	771.8	777.7	777.7	783.7	781.7	781.7	786.6	794.5	792.5
37.5°	739.3	737.4	738.4	744.3	744.3	750.2	748.2	749.2	755.1	764.0	763.0
40°	703.9	701.9	703.9	708.8	710.8	715.7	713.8	715.7	723.6	731.5	734.4
42.5°	667.5	666.5	668.5	673.4	675.4	680.3	679.3	682.2	690.1	701.9	705.9
45°	630.1	630.1	632.0	637.0	638.9	644.8	643.9	647.8	657.6	670.4	677.3
47.5°	592.7	593.6	594.6	600.5	600.5	610.4	607.4	613.3	626.1	640.9	648.8
50°	554.3	556.2	557.2	562.1	564.1	573.0	571.0	580.8	594.6	610.4	621.2
52.5°	515.9	517.8	519.8	523.7	525.7	536.5	534.6	547.4	564.1	580.8	592.7
55°	475.5	479.4	480.4	485.4	488.3	499.1	499.1	513.9	531.6	550.3	565.1
57.5°	436.1	440.1	441.0	447.0	450.9	463.7	465.7	482.4	502.1	520.8	538.5
60°	395.8	400.7	401.7	407.6	414.5	428.3	431.2	449.9	471.6	491.3	511.9
62.5°	355.4	360.3	362.3	368.2	379.0	392.8	397.7	419.4	442.0	463.7	486.3
65°	315.0	320.0	322.9	330.8	343.6	358.4	365.2	387.9	413.5	436.1	459.8
67.5°	274.7	280.6	284.5	294.4	311.1	326.8	333.7	359.3	385.9	410.5	435.1
70°	235.3	241.2	246.1	258.9	278.6	294.4	303.2	330.8	358.4	384.9	412.5
72.5°	196.9	202.8	209.7	225.4	247.1	264.8	274.7	303.2	333.7	360.3	388.9
75°	157.5	164.4	172.3	193.9	218.6	236.3	247.1	277.6	309.1	335.7	366.2
77.5°	122.1	129.0	140.8	162.4	190.0	209.7	221.5	254.0	286.5	313.1	344.6
80°	89.6	96.5	112.2	135.9	164.4	183.1	197.9	231.4	264.8	292.4	323.9
82.5°	61.0	67.9	86.6	112.2	142.8	161.5	175.2	210.7	244.2	272.7	304.2
85°	35.4	45.3	65.0	92.5	124.0	142.8	156.5	193.0	225.4	254.0	286.5
87.5°	15.8	27.6	49.2	76.8	108.3	126.0	140.8	174.3	208.7	237.3	269.7
90°	1.0	15.8	38.4	65.0	95.5	112.2	126.0	159.5	192.0	221.5	253.0
92.5°	2.0	10.8	31.5	56.1	84.7	101.4	115.2	146.7	177.2	207.7	238.2
95°	4.9	10.8	27.6	50.2	76.8	92.5	105.3	135.9	164.4	193.9	223.5
97.5°	7.9	11.8	26.6	47.3	70.9	85.7	97.5	126.0	154.6	181.1	210.7
100°	10.8	14.8	26.6	45.3	66.9	80.7	91.6	118.1	144.7	169.3	198.9
102.5°	13.8	17.7	28.6	45.3	65.0	76.8	87.6	112.2	136.8	159.5	187.1
105°	17.7	20.7	30.5	45.3	63.0	74.8	83.7	106.3	130.0	151.6	176.2
107.5°	21.7	23.6	32.5	46.3	63.0	72.9	81.7	102.4	124.0	143.7	167.4
110°	26.6	27.6	35.4	48.2	63.0	71.9	79.7	99.4	119.1	137.8	159.5



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	30.5	30.5	38.4	50.2	63.0	71.9	78.8	96.5	115.2	131.9	152.6
115°	35.4	35.4	41.3	52.2	64.0	71.9	78.8	95.5	112.2	127.0	146.7
117.5°	39.4	39.4	45.3	54.1	66.0	72.9	78.8	93.5	109.3	123.1	140.8
120°	43.3	43.3	47.3	56.1	66.9	73.8	78.8	92.5	106.3	120.1	135.9
122.5°	47.3	47.3	50.2	59.1	67.9	73.8	78.8	91.6	104.4	116.2	130.9
125°	51.2	51.2	53.2	61.0	69.9	74.8	79.7	91.6	103.4	113.2	128.0
127.5°	55.1	54.1	57.1	64.0	70.9	75.8	80.7	91.6	101.4	111.2	124.0
130°	58.1	57.1	61.0	66.0	72.9	76.8	80.7	90.6	100.4	109.3	120.1
132.5°	62.0	60.1	65.0	66.9	74.8	78.8	81.7	90.6	99.4	107.3	118.1
135°	65.0	63.0	67.9	69.9	75.8	79.7	82.7	90.6	98.4	106.3	115.2
137.5°	66.9	66.0	70.9	72.9	76.8	80.7	83.7	90.6	97.5	104.4	113.2
140°	67.9	66.9	70.9	74.8	76.8	80.7	82.7	89.6	96.5	102.4	110.3
142.5°	68.9	68.9	71.9	75.8	76.8	79.7	82.7	88.6	94.5	99.4	108.3
145°	68.9	68.9	71.9	76.8	77.8	78.8	80.7	86.6	91.6	96.5	104.4
147.5°	68.9	68.9	72.9	76.8	78.8	79.7	78.8	84.7	89.6	93.5	100.4
150°	68.9	68.9	72.9	76.8	79.7	80.7	79.7	82.7	86.6	90.6	96.5
152.5°	69.9	69.9	72.9	76.8	79.7	80.7	80.7	80.7	83.7	87.6	93.5
155°	69.9	70.9	72.9	78.8	80.7	81.7	81.7	81.7	80.7	84.7	89.6
157.5°	72.9	73.8	74.8	79.7	81.7	82.7	82.7	82.7	81.7	80.7	85.7
160°	75.8	76.8	77.8	81.7	83.7	84.7	84.7	84.7	82.7	81.7	81.7
162.5°	78.8	80.7	80.7	82.7	84.7	85.7	85.7	86.6	84.7	83.7	82.7
165°	82.7	83.7	83.7	84.7	86.6	87.6	86.6	87.6	86.6	85.7	84.7
167.5°	85.7	86.6	86.6	87.6	87.6	88.6	88.6	88.6	87.6	86.6	86.6
170°	88.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	88.6	86.6	86.6
172.5°	90.6	91.6	91.6	90.6	90.6	90.6	90.6	89.6	87.6	86.6	86.6
175°	91.6	92.5	92.5	91.6	90.6	90.6	90.6	89.6	87.6	86.6	86.6
177.5°	92.5	93.5	92.5	92.5	90.6	90.6	90.6	90.6	88.6	87.6	86.6
180°	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7	1034.7
2.5°	1033.7	1021.9	1029.8	1030.8	1034.7	1030.8	1033.7	1030.8	1038.6	1035.7
5°	1029.8	1018.9	1025.8	1026.8	1031.7	1026.8	1031.7	1029.8	1039.6	1036.7
7.5°	1022.9	1014.0	1019.9	1020.9	1026.8	1021.9	1026.8	1024.9	1036.7	1032.7
10°	1013.0	1006.1	1012.1	1013.0	1018.9	1014.0	1018.0	1016.0	1028.8	1022.9
12.5°	1002.2	996.3	1001.2	1002.2	1009.1	1004.2	1009.1	1007.1	1019.9	1014.0
15°	986.5	983.5	988.4	990.4	997.3	993.3	998.3	996.3	1010.1	1002.2
17.5°	970.7	968.7	973.7	975.6	983.5	978.6	983.5	981.5	995.3	987.4
20°	951.0	950.0	955.0	957.9	964.8	959.9	965.8	963.8	978.6	970.7
22.5°	930.3	930.3	934.3	937.2	944.1	940.2	946.1	945.1	959.9	952.0
25°	907.7	908.7	912.6	916.6	924.4	921.5	926.4	926.4	940.2	930.3
27.5°	882.1	887.0	890.0	894.9	901.8	898.8	903.8	904.7	918.5	908.7
30°	855.5	862.4	865.4	871.3	877.2	877.2	882.1	884.1	897.9	888.0
32.5°	828.0	835.8	839.8	847.6	855.5	855.5	862.4	865.4	879.1	870.3
35°	800.4	811.2	816.1	826.0	833.9	834.8	841.7	845.7	859.5	850.6
37.5°	773.8	787.6	792.5	804.3	811.2	813.2	821.1	826.0	838.8	830.9
40°	746.2	763.0	768.9	781.7	787.6	791.5	799.4	805.3	817.1	810.2
42.5°	719.7	738.4	744.3	758.1	764.9	768.9	776.8	784.6	796.4	789.6
45°	693.1	713.8	720.6	735.4	741.3	747.2	756.1	763.0	773.8	767.9
47.5°	667.5	689.1	696.0	711.8	718.7	725.6	733.4	743.3	753.1	747.2
50°	640.9	663.5	672.4	689.1	695.0	702.9	712.8	721.6	731.5	726.6
52.5°	615.3	638.9	647.8	665.5	672.4	680.3	690.1	700.0	708.8	704.9
55°	587.7	613.3	623.2	641.9	648.8	656.7	667.5	678.3	686.2	683.2
57.5°	562.1	588.7	598.6	619.2	625.1	635.0	645.8	657.6	664.5	661.6
60°	536.5	563.1	574.9	595.6	602.5	612.4	623.2	636.0	641.9	639.9
62.5°	510.9	538.5	551.3	573.0	578.9	589.7	602.5	613.3	619.2	618.3
65°	487.3	513.9	528.7	550.3	556.2	568.0	579.9	591.7	597.6	597.6
67.5°	462.7	491.3	506.0	528.7	533.6	546.4	559.2	571.0	575.9	575.9
70°	440.1	467.6	484.4	507.0	511.9	523.7	537.5	550.3	554.3	555.3
72.5°	417.4	445.0	462.7	486.3	491.3	503.1	515.9	529.7	532.6	533.6
75°	395.8	423.3	441.0	464.7	469.6	481.4	495.2	508.0	511.9	512.9
77.5°	374.1	401.7	421.4	444.0	448.9	460.7	474.5	487.3	490.3	492.2
80°	354.4	381.0	399.7	424.3	429.2	441.0	453.8	466.6	468.6	471.6
82.5°	334.7	361.3	381.0	404.6	409.5	421.4	434.2	447.0	448.9	452.9
85°	316.0	342.6	362.3	384.9	390.8	401.7	415.5	427.3	429.2	432.2
87.5°	299.3	323.9	344.6	366.2	372.1	383.0	396.7	408.6	409.5	413.5
90°	281.6	306.2	326.8	348.5	354.4	364.3	378.0	389.9	391.8	394.8
92.5°	266.8	289.4	311.1	331.8	336.7	347.5	360.3	372.1	374.1	377.1
95°	251.0	273.7	295.3	315.0	320.0	330.8	342.6	354.4	356.4	359.3
97.5°	237.3	258.9	279.6	299.3	304.2	314.1	326.8	337.7	339.6	343.6
100°	224.5	245.1	266.8	284.5	289.4	299.3	311.1	321.9	323.9	327.8
102.5°	212.6	232.3	253.0	269.7	275.7	284.5	296.3	306.2	308.1	311.1
105°	201.8	220.5	240.2	256.0	261.9	270.7	281.6	291.4	293.4	296.3
107.5°	191.0	208.7	227.4	243.2	248.1	256.0	266.8	276.6	278.6	282.5
110°	181.1	198.9	216.6	231.4	237.3	243.2	254.0	262.9	264.8	267.8





TEST NUMBER: P895047

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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	172.3	188.0	205.8	219.5	224.5	231.4	240.2	249.1	251.0	255.0
115°	164.4	179.2	196.9	209.7	213.6	219.5	229.4	237.3	239.2	242.2
117.5°	157.5	170.3	186.1	198.9	203.8	208.7	217.6	224.5	227.4	229.4
120°	151.6	163.4	177.2	189.0	194.9	198.9	206.7	213.6	216.6	218.6
122.5°	145.7	156.5	169.3	180.2	185.1	188.0	196.9	202.8	205.8	208.7
125°	140.8	150.6	162.4	171.3	176.2	179.2	187.1	193.0	195.9	197.9
127.5°	135.9	144.7	156.5	163.4	168.3	170.3	177.2	183.1	186.1	187.1
130°	130.9	139.8	149.6	156.5	160.5	163.4	169.3	173.3	176.2	177.2
132.5°	127.0	134.9	143.7	150.6	154.6	155.5	161.5	165.4	168.3	169.3
135°	124.0	130.0	138.8	144.7	147.7	149.6	154.6	157.5	160.5	161.5
137.5°	120.1	126.0	133.9	137.8	141.8	142.8	147.7	150.6	153.6	154.6
140°	117.2	122.1	129.0	132.9	136.8	136.8	140.8	143.7	146.7	146.7
142.5°	114.2	119.1	125.0	129.0	131.9	131.9	135.9	137.8	140.8	140.8
145°	110.3	115.2	121.1	124.0	127.0	127.0	130.0	131.9	134.9	134.9
147.5°	106.3	111.2	117.2	119.1	122.1	122.1	125.0	127.0	129.0	129.0
150°	101.4	105.3	112.2	115.2	118.1	118.1	120.1	122.1	124.0	124.0
152.5°	97.5	100.4	106.3	110.3	113.2	113.2	115.2	117.2	119.1	119.1
155°	92.5	95.5	100.4	105.3	108.3	109.3	111.2	112.2	114.2	114.2
157.5°	88.6	91.6	95.5	99.4	102.4	104.4	107.3	108.3	109.3	109.3
160°	83.7	85.7	89.6	93.5	96.5	98.4	103.4	104.4	105.3	105.3
162.5°	81.7	81.7	83.7	86.6	89.6	90.6	95.5	99.4	101.4	100.4
165°	82.7	81.7	81.7	82.7	84.7	85.7	88.6	94.5	96.5	95.5
167.5°	84.7	82.7	81.7	81.7	83.7	83.7	86.6	91.6	97.5	95.5
170°	84.7	81.7	79.7	79.7	80.7	80.7	82.7	85.7	91.6	92.5
172.5°	83.7	81.7	78.8	74.8	75.8	74.8	73.8	75.8	76.8	86.6
175°	84.7	81.7	78.8	73.8	71.9	68.9	64.0	60.1	59.1	48.2
177.5°	83.7	80.7	76.8	72.9	70.9	66.9	61.0	54.1	50.2	44.3
180°	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7	79.7



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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	11.47	12.78	12.12	13.45	14.22	15.10	16.41	15.74	17.07	17.84
	3H	12.82	14.02	13.48	14.69	15.50	18.05	19.25	18.71	19.92	20.73
	4H	13.22	14.36	13.90	15.05	15.86	19.56	20.70	20.23	21.39	22.20
	6H	13.44	14.50	14.13	15.20	16.03	21.17	22.23	21.86	22.93	23.76
	8H	13.47	14.49	14.17	15.21	16.04	22.02	23.04	22.72	23.76	24.59
	12H	13.48	14.45	14.18	15.16	16.03	22.96	23.94	23.67	24.65	25.52
4H	2H	12.63	13.77	13.31	14.46	15.27	15.41	16.55	16.09	17.24	18.05
	3H	14.27	15.25	14.96	15.97	16.81	18.60	19.57	19.29	20.30	21.13
	4H	14.84	15.74	15.54	16.47	17.33	20.28	21.18	20.98	21.90	22.76
	6H	15.18	15.98	15.90	16.73	17.60	22.10	22.89	22.82	23.64	24.51
	8H	15.25	16.00	15.98	16.75	17.64	23.07	23.82	23.80	24.57	25.45
	12H	15.28	15.97	16.03	16.73	17.62	24.16	24.84	24.90	25.61	26.50
8H	4H	15.95	16.70	16.67	17.45	18.33	20.45	21.20	21.17	21.95	22.83
	6H	16.56	17.20	17.31	17.98	18.87	22.44	23.08	23.20	23.87	24.75
	8H	16.75	17.33	17.52	18.12	19.02	23.56	24.14	24.33	24.93	25.83
	12H	16.86	17.38	17.63	18.16	19.12	24.84	25.36	25.61	26.14	27.09
12H	4H	16.31	17.00	17.06	17.77	18.66	20.44	21.13	21.19	21.90	22.78
	6H	17.09	17.67	17.86	18.46	19.36	22.47	23.05	23.24	23.84	24.74
	8H	17.42	17.94	18.19	18.72	19.67	23.65	24.17	24.42	24.95	25.91