

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: P895042

Luminaire Tested: 8TMB-4SL-RND-UNV-L935

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895042
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: 8TMB-4SL-RND-UNV-L935
Description: 4000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 3500K CCT
Light Source: -
Ballast/Driver: -

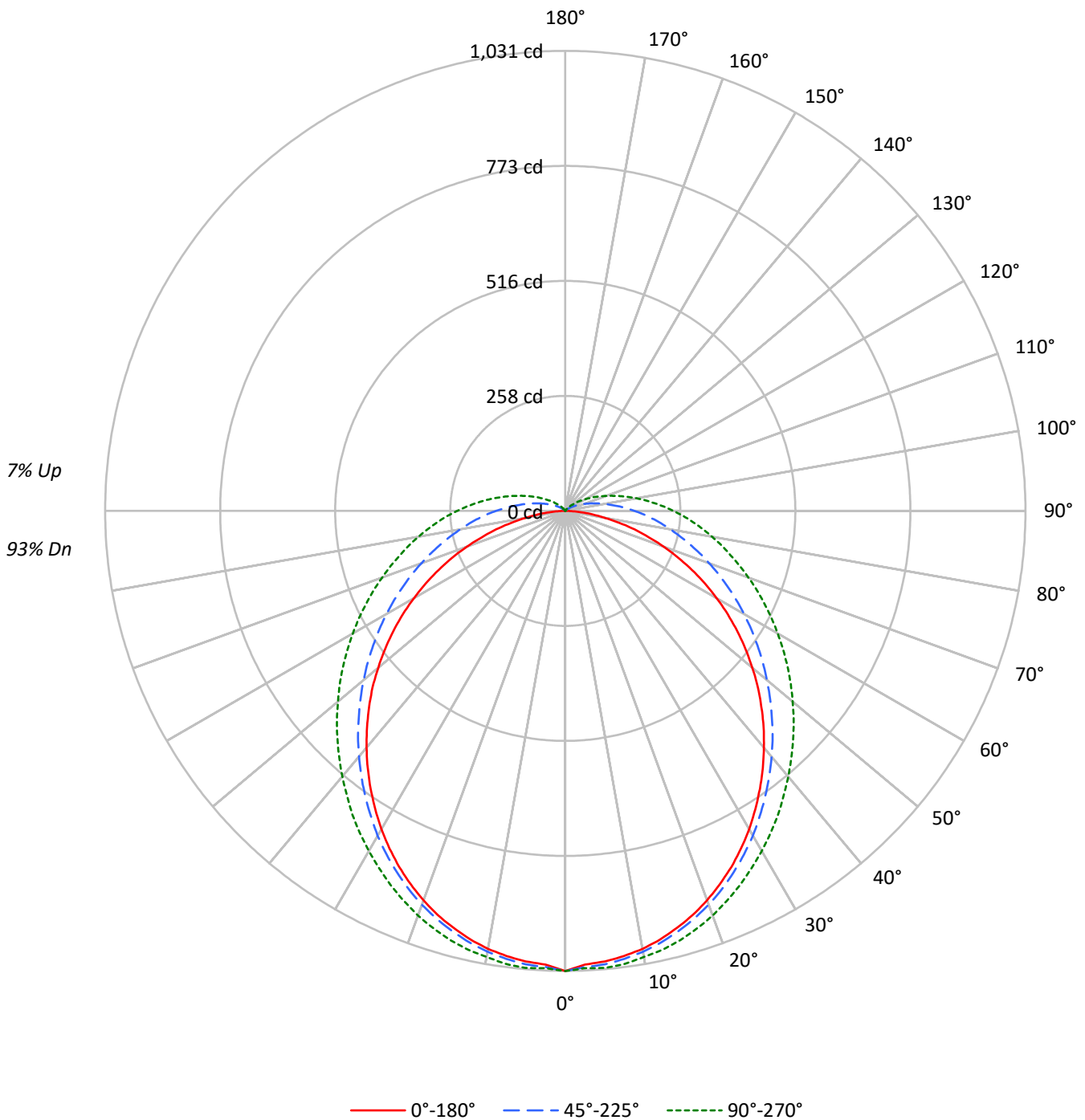
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3414.0 lumens
Efficiency: N/A
Efficacy: 123.7 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35
Luminous Opening: Rectangular (W 0.38' x L: 7.98' x H: 0')
CIE Type: Direct

Input Watts (W): 27.6
Input Voltage (V): 120
Input Current (A_{in}): 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-RND-UNV-L935

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°	3659	3659	3659
5°	3610	3633	3662
10°	3591	3614	3657
15°	3554	3584	3658
20°	3507	3547	3644
25°	3447	3497	3624
30°	3376	3445	3607
35°	3292	3383	3600
40°	3207	3330	3599
45°	3118	3284	3624
50°	3020	3256	3670
55°	2911	3249	3759
60°	2783	3281	3899
65°	2629	3367	4132
70°	2436	3558	4529
75°	2202	3961	5255
80°	1863	4881	6827
85°	1510	7951	11696

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 21532 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.5	2.9
10°-20°	277.9	8.1
20°-30°	416.1	12.2
30°-40°	496.1	14.5
40°-50°	514.5	15.1
50°-60°	477.4	14.0
60°-70°	398.2	11.7
70°-80°	296.9	8.7
80°-90°	197.7	5.8
90°-100°	120.4	3.5
100°-110°	67.2	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°	791.5	23.2
0°-40°	1287.6	37.7
0°-60°	2279.5	66.8
0°-90°	3172.4	92.9
90°-120°	221.1	6.5
90°-150°	240.7	7.0
90°-180°	242.0	7.1
0°-180°	3414.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1031	1031	1031	1031	1031	
5°	1014	1037	1020	1026	1028	96
15°	968	992	976	993	996	273
25°	880	904	893	918	926	405
35°	760	780	781	820	831	475
45°	621	638	654	706	722	480
55°	470	487	525	587	608	421
65°	313	338	401	469	492	310
75°	161	205	289	359	383	170
85°	37	102	195	262	287	42
90°	2	67	155	219	242	3
95°	0	41	119	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°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	1017.6	1019.2	1033.7	1032.9	1030.5	1040.2	1042.6	1034.5	1021.6	1034.5	1023.2
5°	1013.5	1015.1	1029.7	1028.9	1026.4	1036.9	1037.7	1030.5	1017.6	1030.5	1020.0
7.5°	1006.3	1007.9	1022.4	1021.6	1020.0	1030.5	1029.7	1024.0	1010.3	1024.0	1012.7
10°	996.6	997.4	1012.7	1011.1	1010.3	1020.8	1018.4	1013.5	999.8	1013.5	1003.0
12.5°	983.7	984.5	999.8	998.2	998.2	1007.9	1004.7	1000.6	986.9	999.8	990.9
15°	967.5	968.3	982.9	982.1	982.1	992.5	987.7	984.5	971.6	985.3	975.6
17.5°	949.8	949.0	964.3	962.7	964.3	974.0	967.5	965.9	953.8	966.7	958.7
20°	928.8	928.8	942.5	941.7	944.1	953.0	944.9	945.7	933.6	947.4	939.3
22.5°	905.4	904.6	918.3	918.3	920.7	929.6	920.7	923.1	911.0	924.0	917.5
25°	880.4	878.8	892.5	892.5	896.5	903.8	894.1	897.3	886.0	898.9	893.3
27.5°	852.9	850.5	864.2	865.0	868.3	875.5	865.0	869.9	859.4	871.5	867.5
30°	823.9	821.5	835.2	836.0	840.0	845.7	835.2	841.6	832.0	844.1	840.8
32.5°	792.4	790.8	803.7	805.3	809.4	813.4	803.7	810.2	802.1	814.2	811.0
35°	760.1	758.5	770.6	773.1	777.1	780.3	769.8	778.7	771.4	782.7	781.1
37.5°	727.1	724.6	737.6	739.2	744.0	745.6	735.9	746.4	740.0	751.3	750.5
40°	692.4	689.9	702.9	704.5	709.3	709.3	701.2	712.5	707.7	718.2	719.0
42.5°	657.7	655.2	666.5	669.8	673.8	673.8	665.7	677.8	674.6	685.1	687.5
45°	621.4	618.9	629.4	632.6	637.5	637.5	629.4	643.1	640.7	651.2	654.4
47.5°	585.8	582.6	592.3	595.5	600.4	599.6	593.1	606.8	606.0	616.5	622.2
50°	547.1	544.7	554.4	557.6	563.2	561.6	556.8	571.3	571.3	581.8	589.9
52.5°	509.2	506.8	516.4	519.7	524.5	524.5	519.7	535.0	537.4	547.9	557.6
55°	470.5	467.2	476.9	480.1	485.8	486.6	482.6	497.9	502.7	514.8	525.3
57.5°	431.7	430.1	438.2	441.4	448.7	448.7	446.2	462.4	468.8	481.7	493.9
60°	392.2	390.6	397.8	401.9	409.9	411.5	409.9	426.9	435.8	448.7	462.4
62.5°	352.6	351.0	358.3	363.9	372.8	374.4	375.2	393.0	402.7	416.4	431.7
65°	313.1	311.5	318.7	325.2	335.7	338.1	340.5	359.1	370.4	384.9	401.1
67.5°	273.6	272.7	280.0	288.1	299.4	302.6	306.6	326.0	338.9	354.3	372.0
70°	234.8	234.0	241.3	251.0	264.7	268.7	273.6	292.9	309.1	325.2	343.0
72.5°	196.1	196.9	205.0	216.3	231.6	235.6	242.1	262.3	280.0	297.0	315.5
75°	160.6	160.6	169.5	182.4	199.3	205.0	212.2	233.2	251.8	269.5	288.9
77.5°	124.3	124.3	134.8	150.9	169.5	175.1	184.0	205.8	225.9	243.7	263.1
80°	91.2	92.8	104.9	121.0	140.4	147.7	158.2	179.9	201.7	219.5	238.9
82.5°	62.1	64.6	77.5	96.0	115.4	122.7	133.1	156.5	178.3	196.9	217.1
85°	37.1	41.2	54.9	73.4	93.6	101.7	113.0	134.8	156.5	175.1	195.3
87.5°	16.9	22.6	37.1	55.7	75.0	83.9	93.6	114.6	136.4	154.9	175.9
90°	1.6	9.7	24.2	40.3	58.9	67.0	76.7	96.8	117.8	134.8	154.9
92.5°	0.0	4.0	14.5	29.1	45.2	53.3	62.1	81.5	100.1	117.0	136.4
95°	0.0	1.6	8.1	20.2	33.9	41.2	49.2	67.0	85.5	101.7	119.4
97.5°	0.0	0.8	4.8	13.7	25.0	31.5	38.7	54.9	71.8	87.2	103.3
100°	0.0	0.8	2.4	8.9	18.6	23.4	30.7	44.4	59.7	73.4	89.6
102.5°	0.0	0.0	1.6	5.6	13.7	17.8	23.4	35.5	49.2	62.1	76.7
105°	0.0	0.0	0.8	4.0	9.7	12.9	17.8	28.2	40.3	51.6	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	16.9	26.6	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	28.2	37.9
115°	0.8	0.8	0.8	0.8	2.4	3.2	4.8	9.7	16.1	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	5.6	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°	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3	1031.3
2.5°	1026.4	1028.9	1031.3	1024.8	1028.9	1036.1	1038.5	1028.9	1032.1	1025.6
5°	1023.2	1024.8	1028.1	1020.0	1025.6	1032.1	1036.1	1028.1	1032.9	1028.1
7.5°	1016.8	1018.4	1022.4	1014.3	1021.6	1027.2	1032.1	1024.0	1028.9	1024.0
10°	1007.1	1009.5	1015.1	1005.5	1014.3	1019.2	1024.0	1015.1	1020.0	1015.1
12.5°	995.0	999.0	1003.8	995.0	1003.8	1007.9	1014.3	1005.5	1011.1	1007.1
15°	980.4	984.5	990.9	982.1	993.4	996.6	1003.0	994.2	999.8	995.8
17.5°	963.5	968.3	976.4	965.9	978.8	981.2	987.7	979.6	985.3	981.2
20°	944.1	949.0	957.0	947.4	960.3	961.9	969.1	961.9	967.5	965.1
22.5°	921.5	927.2	935.3	926.4	940.1	940.1	949.0	941.7	948.2	945.7
25°	898.1	904.6	913.5	903.8	918.3	918.3	928.0	920.7	927.2	925.6
27.5°	873.1	880.4	890.9	881.2	895.7	894.9	904.6	898.1	905.4	903.0
30°	846.5	854.6	865.0	857.0	872.3	870.7	880.4	874.7	881.2	880.4
32.5°	817.4	826.3	839.2	830.3	845.7	844.1	856.2	849.7	857.8	856.2
35°	788.4	798.1	811.0	802.9	819.9	817.4	829.5	823.9	832.0	831.2
37.5°	758.5	769.0	781.9	775.5	791.6	789.2	802.1	797.3	806.1	803.7
40°	727.9	738.4	752.1	746.4	763.4	760.1	773.9	769.8	778.7	777.1
42.5°	697.2	708.5	722.2	719.0	735.1	731.9	745.6	742.4	751.3	749.7
45°	665.7	677.8	692.4	689.1	706.1	702.9	716.6	714.1	723.0	722.2
47.5°	634.3	647.2	661.7	660.1	676.2	673.0	687.5	685.1	694.0	694.0
50°	602.0	616.5	631.0	630.2	646.4	643.1	656.0	656.0	665.7	664.9
52.5°	569.7	585.0	600.4	600.4	616.5	613.3	627.8	627.0	636.7	636.7
55°	539.0	552.8	568.1	571.3	586.7	581.8	597.1	598.8	606.8	607.6
57.5°	508.4	522.9	538.2	542.3	556.8	553.6	568.1	569.7	577.8	578.6
60°	477.7	491.4	506.8	512.4	526.9	523.7	538.2	539.8	548.7	549.5
62.5°	447.0	460.8	477.7	483.4	497.1	494.7	510.0	511.6	519.7	521.3
65°	417.2	431.7	447.9	455.9	468.8	465.6	480.9	482.6	491.4	492.2
67.5°	388.1	402.7	418.8	427.7	439.8	438.2	452.7	455.9	463.2	464.8
70°	359.9	374.4	391.4	400.2	412.4	411.5	425.3	427.7	435.8	436.6
72.5°	332.5	347.0	363.9	374.4	384.9	384.1	397.8	401.1	409.1	409.9
75°	305.8	321.2	337.3	348.6	359.1	358.3	372.0	375.2	382.5	383.3
77.5°	280.8	296.2	313.1	324.4	333.3	334.1	346.2	349.4	356.7	359.1
80°	257.4	271.9	288.1	300.2	308.3	309.9	321.2	325.2	330.8	334.1
82.5°	234.8	249.3	265.5	276.8	284.9	286.5	297.0	301.8	307.4	309.9
85°	213.0	227.6	242.9	255.0	262.3	263.1	273.6	278.4	283.2	287.3
87.5°	192.1	206.6	221.1	234.0	240.5	242.1	251.8	256.6	260.6	264.7
90°	171.1	185.6	200.1	212.2	218.7	219.5	230.0	234.8	238.9	242.1
92.5°	151.7	166.2	180.8	192.9	198.5	200.1	209.0	214.6	217.9	221.1
95°	133.1	147.7	160.6	173.5	179.1	181.6	189.6	194.5	198.5	200.1
97.5°	117.0	129.9	142.0	154.9	159.8	162.2	170.3	175.9	179.1	180.8
100°	101.7	113.8	125.1	137.2	142.0	144.4	151.7	156.5	159.8	162.2
102.5°	88.0	99.3	109.7	121.0	125.9	127.5	134.0	138.8	142.0	144.4
105°	75.9	86.3	96.0	106.5	110.6	113.0	118.6	122.7	125.9	127.5
107.5°	64.6	75.0	83.1	92.8	96.8	98.4	104.1	108.9	111.4	112.2
110°	54.9	63.7	71.8	79.9	84.7	86.3	91.2	95.2	97.6	98.4



TEST NUMBER: P895042
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	46.0	54.1	61.3	68.6	72.6	74.2	79.1	83.1	84.7	85.5
115°	37.9	46.0	51.6	58.9	62.1	63.7	67.8	71.8	72.6	74.2
117.5°	30.7	37.9	43.6	49.2	52.5	54.1	57.3	60.5	62.1	62.9
120°	25.0	30.7	35.5	41.2	43.6	45.2	48.4	51.6	52.5	53.3
122.5°	20.2	25.0	29.1	33.9	36.3	37.9	40.3	42.8	43.6	44.4
125°	15.3	20.2	23.4	27.4	29.9	30.7	33.1	35.5	36.3	37.1
127.5°	12.1	15.3	18.6	21.8	23.4	24.2	26.6	28.2	29.1	29.9
130°	8.9	11.3	13.7	16.9	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	16.1	17.8	17.8	18.6
135°	4.0	5.6	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	5.6	5.6	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



TEST NUMBER: P895042
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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	14.79	16.33	15.27	16.79	17.28	16.37	17.90	16.84	18.36	18.85
	3H	16.47	17.87	16.95	18.34	18.87	18.99	20.39	19.47	20.86	21.39
	4H	17.07	18.40	17.57	18.88	19.43	20.30	21.63	20.81	22.12	22.66
	6H	17.47	18.71	17.98	19.21	19.76	21.71	22.95	22.22	23.45	24.00
	8H	17.58	18.77	18.11	19.29	19.86	22.46	23.64	22.99	24.17	24.73
	12H	17.66	18.80	18.20	19.32	19.91	23.31	24.45	23.84	24.96	25.56
4H	2H	15.72	17.05	16.23	17.54	18.08	16.92	18.25	17.42	18.73	19.27
	3H	17.70	18.84	18.22	19.37	19.93	19.83	20.97	20.35	21.50	22.06
	4H	18.48	19.52	19.01	20.06	20.65	21.36	22.40	21.89	22.94	23.53
	6H	19.06	19.98	19.61	20.54	21.15	23.00	23.92	23.56	24.49	25.09
	8H	19.24	20.11	19.80	20.67	21.29	23.88	24.75	24.44	25.31	25.93
	12H	19.36	20.15	19.95	20.74	21.37	24.89	25.67	25.47	26.27	26.89
8H	4H	19.36	20.22	19.92	20.79	21.41	21.72	22.59	22.28	23.15	23.77
	6H	20.24	20.97	20.83	21.58	22.21	23.62	24.36	24.21	24.96	25.59
	8H	20.59	21.25	21.19	21.87	22.51	24.70	25.37	25.31	25.99	26.63
	12H	20.86	21.45	21.46	22.06	22.76	25.97	26.56	26.58	27.17	27.87
12H	4H	19.63	20.42	20.22	21.01	21.64	21.76	22.55	22.34	23.14	23.77
	6H	20.69	21.35	21.29	21.97	22.61	23.73	24.40	24.34	25.01	25.65
	8H	21.21	21.80	21.81	22.41	23.11	24.93	25.52	25.53	26.13	26.83