

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: P895044

Luminaire Tested: 8TMB-4SL-RND-UNV-L950

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895044
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-L950
Description: 4000 Lumen 8FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 90CRI, 5000K CCT
Light Source: -
Ballast/Driver: -

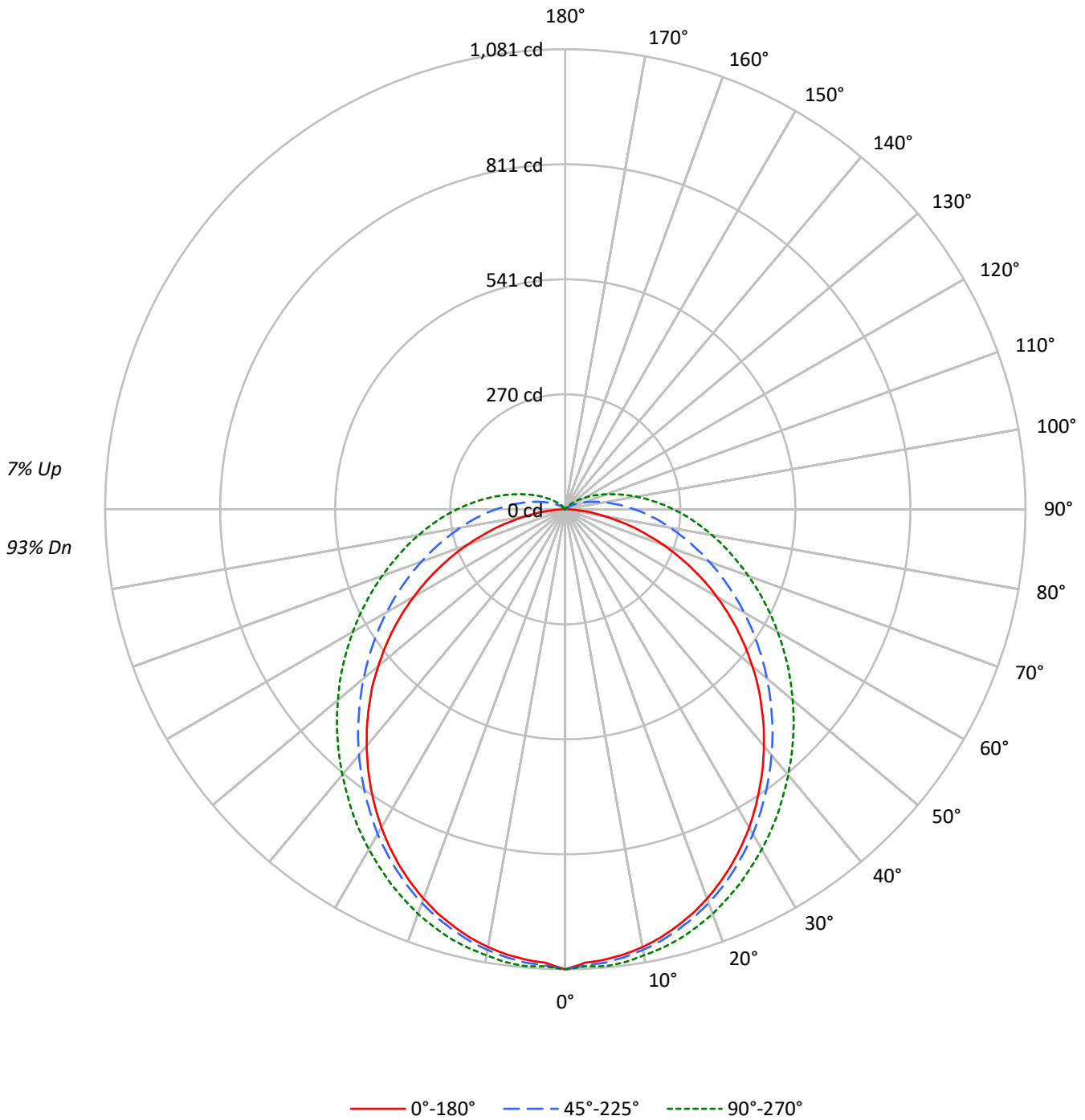
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3578.9 lumens
Efficiency: N/A
Efficacy: 129.7 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-L950

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	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°	3836	3836	3836
5°	3784	3809	3838
10°	3764	3788	3834
15°	3726	3757	3835
20°	3677	3718	3820
25°	3613	3666	3799
30°	3539	3612	3781
35°	3452	3547	3774
40°	3362	3491	3773
45°	3269	3443	3799
50°	3166	3414	3848
55°	3051	3407	3940
60°	2917	3440	4088
65°	2755	3530	4332
70°	2554	3729	4748
75°	2307	4151	5508
80°	1953	5116	7156
85°	1584	8333	12262

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 22573 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.2	2.9
10°-20°	291.3	8.1
20°-30°	436.2	12.2
30°-40°	520.1	14.5
40°-50°	539.4	15.1
50°-60°	500.4	14.0
60°-70°	417.5	11.7
70°-80°	311.3	8.7
80°-90°	207.3	5.8
90°-100°	126.2	3.5
100°-110°	70.4	2.0
110°-120°	35.2	1.0
120°-130°	14.7	0.4
130°-140°	4.6	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°	829.8	23.2
0°-40°	1349.9	37.7
0°-60°	2389.7	66.8
0°-90°	3325.7	92.9
90°-120°	231.8	6.5
90°-150°	252.3	7.0
90°-180°	253.0	7.1
0°-180°	3578.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1081	1081	1081	1081	1081	
5°	1062	1087	1069	1075	1078	101
15°	1014	1040	1023	1041	1044	286
25°	923	948	936	963	970	425
35°	797	818	819	860	871	498
45°	651	668	686	740	757	503
55°	493	510	551	615	637	441
65°	328	354	420	492	516	325
75°	168	215	303	376	402	178
85°	39	107	205	275	301	44
90°	2	70	162	229	254	3
95°	0	43	125	188	210	0
105°	0	14	68	116	134	0
115°	1	3	32	65	78	1
125°	1	1	13	31	39	1
135°	1	1	3	11	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	



TEST NUMBER: P895044

CATALOG NUMBER: 8TMB-4SL-RND-UNV-L950

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1081.1	1081.1	1081.1	1081.1	1081.1	1081.1	1081.1	1081.1	1081.1	1081.1	1081.1
2.5°	1066.7	1068.4	1083.7	1082.8	1080.3	1090.4	1093.0	1084.5	1071.0	1084.5	1072.7
5°	1062.5	1064.2	1079.4	1078.6	1076.0	1087.0	1087.9	1080.3	1066.7	1080.3	1069.3
7.5°	1054.9	1056.6	1071.8	1071.0	1069.3	1080.3	1079.4	1073.5	1059.1	1073.5	1061.7
10°	1044.7	1045.6	1061.7	1060.0	1059.1	1070.1	1067.6	1062.5	1048.1	1062.5	1051.5
12.5°	1031.2	1032.1	1048.1	1046.4	1046.4	1056.6	1053.2	1049.0	1034.6	1048.1	1038.8
15°	1014.3	1015.1	1030.4	1029.5	1029.5	1040.5	1035.4	1032.1	1018.5	1032.9	1022.8
17.5°	995.7	994.8	1010.9	1009.2	1010.9	1021.1	1014.3	1012.6	999.9	1013.4	1005.0
20°	973.7	973.7	988.1	987.2	989.8	999.1	990.6	991.5	978.8	993.1	984.7
22.5°	949.2	948.3	962.7	962.7	965.2	974.5	965.2	967.8	955.1	968.6	961.8
25°	922.9	921.2	935.6	935.6	939.8	947.5	937.3	940.7	928.9	942.4	936.5
27.5°	894.2	891.6	906.0	906.9	910.2	917.9	906.9	911.9	900.9	913.6	909.4
30°	863.7	861.2	875.6	876.4	880.6	886.6	875.6	882.3	872.2	884.9	881.5
32.5°	830.7	829.0	842.6	844.3	848.5	852.7	842.6	849.3	840.9	853.6	850.2
35°	796.9	795.2	807.9	810.4	814.6	818.0	807.0	816.3	808.7	820.6	818.9
37.5°	762.2	759.7	773.2	774.9	780.0	781.7	771.5	782.5	775.7	787.6	786.7
40°	725.8	723.3	736.8	738.5	743.6	743.6	735.1	747.0	741.9	752.9	753.7
42.5°	689.4	686.9	698.8	702.1	706.4	706.4	697.9	710.6	707.2	718.2	720.7
45°	651.4	648.8	659.8	663.2	668.3	668.3	659.8	674.2	671.7	682.7	686.1
47.5°	614.2	610.8	620.9	624.3	629.4	628.5	621.8	636.2	635.3	646.3	652.2
50°	573.6	571.0	581.2	584.6	590.5	588.8	583.7	598.9	598.9	609.9	618.4
52.5°	533.8	531.3	541.4	544.8	549.9	549.9	544.8	560.9	563.4	574.4	584.6
55°	493.2	489.8	500.0	503.3	509.3	510.1	505.9	522.0	527.0	539.7	550.7
57.5°	452.6	450.9	459.4	462.7	470.3	470.3	467.8	484.7	491.5	505.0	517.7
60°	411.1	409.4	417.1	421.3	429.7	431.4	429.7	447.5	456.8	470.3	484.7
62.5°	369.7	368.0	375.6	381.5	390.8	392.5	393.4	412.0	422.1	436.5	452.6
65°	328.2	326.5	334.1	340.9	351.9	354.5	357.0	376.4	388.3	403.5	420.4
67.5°	286.8	285.9	293.5	302.0	313.8	317.2	321.5	341.8	355.3	371.4	390.0
70°	246.2	245.3	252.9	263.1	277.5	281.7	286.8	307.1	324.0	340.9	359.5
72.5°	205.6	206.4	214.9	226.7	242.8	247.0	253.8	274.9	293.5	311.3	330.8
75°	168.3	168.3	177.6	191.2	208.9	214.9	222.5	244.5	263.9	282.5	302.8
77.5°	130.3	130.3	141.3	158.2	177.6	183.6	192.9	215.7	236.9	255.5	275.8
80°	95.6	97.3	110.0	126.9	147.2	154.8	165.8	188.6	211.5	230.1	250.4
82.5°	65.1	67.7	81.2	100.7	121.0	128.6	139.6	164.1	187.0	206.4	227.6
85°	38.9	43.1	57.5	77.0	98.1	106.6	118.4	141.3	164.1	183.6	204.7
87.5°	17.8	23.7	38.9	58.4	78.7	88.0	98.1	120.1	143.0	162.4	184.4
90°	1.7	10.2	25.4	42.3	61.8	70.2	80.4	101.5	123.5	141.3	162.4
92.5°	0.0	4.2	15.2	30.5	47.4	55.8	65.1	85.4	104.9	122.7	143.0
95°	0.0	1.7	8.5	21.1	35.5	43.1	51.6	70.2	89.7	106.6	125.2
97.5°	0.0	0.8	5.1	14.4	26.2	33.0	40.6	57.5	75.3	91.4	108.3
100°	0.0	0.8	2.5	9.3	19.5	24.5	32.1	46.5	62.6	77.0	93.9
102.5°	0.0	0.0	1.7	5.9	14.4	18.6	24.5	37.2	51.6	65.1	80.4
105°	0.0	0.0	0.8	4.2	10.2	13.5	18.6	29.6	42.3	54.1	68.5
107.5°	0.0	0.0	0.8	2.5	6.8	10.2	14.4	22.8	33.8	44.8	57.5
110°	0.8	0.8	0.8	1.7	5.1	7.6	10.2	17.8	27.9	37.2	48.2



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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	3.4	5.1	7.6	13.5	22.0	29.6	39.8
115°	0.8	0.8	0.8	0.8	2.5	3.4	5.1	10.2	16.9	23.7	32.1
117.5°	0.8	0.8	0.8	0.8	1.7	2.5	3.4	7.6	12.7	18.6	26.2
120°	0.8	0.8	0.8	0.8	0.8	1.7	2.5	5.1	10.2	14.4	21.1
122.5°	0.8	0.8	0.8	0.8	0.8	1.7	1.7	4.2	7.6	11.0	16.1
125°	0.8	0.8	0.8	0.8	0.8	0.8	1.7	2.5	5.1	8.5	12.7
127.5°	0.8	0.8	0.8	0.8	0.8	0.8	1.7	2.5	3.4	5.9	9.3
130°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	2.5	4.2	6.8
132.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	2.5	3.4	5.1
135°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	2.5	3.4
137.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7	2.5
140°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7	1.7
142.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.7
145°	0.8	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
147.5°	0.8	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
150°	0.8	1.7	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
152.5°	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8	0.8
155°	1.7	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.8	0.8	0.8
157.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.8
160°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.8
162.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.8	0.8	0.8
165°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.8	0.8
167.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.8
170°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
172.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	0.8
175°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
177.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7
180°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1081.1	1081.1	1081.1	1081.1	1081.1	1081.1	1081.1	1081.1	1081.1	1081.1
2.5°	1076.0	1078.6	1081.1	1074.4	1078.6	1086.2	1088.7	1078.6	1082.0	1075.2
5°	1072.7	1074.4	1077.7	1069.3	1075.2	1082.0	1086.2	1077.7	1082.8	1077.7
7.5°	1065.9	1067.6	1071.8	1063.4	1071.0	1076.9	1082.0	1073.5	1078.6	1073.5
10°	1055.7	1058.3	1064.2	1054.1	1063.4	1068.4	1073.5	1064.2	1069.3	1064.2
12.5°	1043.1	1047.3	1052.4	1043.1	1052.4	1056.6	1063.4	1054.1	1060.0	1055.7
15°	1027.8	1032.1	1038.8	1029.5	1041.4	1044.7	1051.5	1042.2	1048.1	1043.9
17.5°	1010.1	1015.1	1023.6	1012.6	1026.1	1028.7	1035.4	1027.0	1032.9	1028.7
20°	989.8	994.8	1003.3	993.1	1006.7	1008.4	1016.0	1008.4	1014.3	1011.8
22.5°	966.1	972.0	980.5	971.1	985.5	985.5	994.8	987.2	994.0	991.5
25°	941.5	948.3	957.6	947.5	962.7	962.7	972.8	965.2	972.0	970.3
27.5°	915.3	922.9	933.9	923.8	939.0	938.2	948.3	941.5	949.2	946.6
30°	887.4	895.9	906.9	898.4	914.5	912.8	922.9	917.0	923.8	922.9
32.5°	856.9	866.3	879.8	870.5	886.6	884.9	897.6	890.8	899.2	897.6
35°	826.5	836.6	850.2	841.7	859.5	856.9	869.6	863.7	872.2	871.3
37.5°	795.2	806.2	819.7	813.0	829.9	827.3	840.9	835.8	845.1	842.6
40°	763.0	774.0	788.4	782.5	800.3	796.9	811.3	807.0	816.3	814.6
42.5°	730.9	742.7	757.1	753.7	770.7	767.3	781.7	778.3	787.6	785.9
45°	697.9	710.6	725.8	722.4	740.2	736.8	751.2	748.7	758.0	757.1
47.5°	664.9	678.5	693.7	692.0	708.9	705.5	720.7	718.2	727.5	727.5
50°	631.1	646.3	661.5	660.7	677.6	674.2	687.8	687.8	697.9	697.1
52.5°	597.2	613.3	629.4	629.4	646.3	642.9	658.1	657.3	667.5	667.5
55°	565.1	579.5	595.5	598.9	615.0	609.9	626.0	627.7	636.2	637.0
57.5°	532.9	548.2	564.2	568.5	583.7	580.3	595.5	597.2	605.7	606.5
60°	500.8	515.2	531.3	537.2	552.4	549.0	564.2	565.9	575.2	576.1
62.5°	468.7	483.0	500.8	506.7	521.1	518.6	534.6	536.3	544.8	546.5
65°	437.4	452.6	469.5	478.0	491.5	488.1	504.2	505.9	515.2	516.0
67.5°	406.9	422.1	439.0	448.4	461.0	459.4	474.6	478.0	485.6	487.3
70°	377.3	392.5	410.3	419.6	432.3	431.4	445.8	448.4	456.8	457.7
72.5°	348.5	363.8	381.5	392.5	403.5	402.7	417.1	420.4	428.9	429.7
75°	320.6	336.7	353.6	365.4	376.4	375.6	390.0	393.4	401.0	401.8
77.5°	294.4	310.5	328.2	340.1	349.4	350.2	362.9	366.3	373.9	376.4
80°	269.9	285.1	302.0	314.7	323.2	324.8	336.7	340.9	346.8	350.2
82.5°	246.2	261.4	278.3	290.2	298.6	300.3	311.3	316.4	322.3	324.8
85°	223.3	238.6	254.6	267.3	274.9	275.8	286.8	291.9	296.9	301.2
87.5°	201.3	216.6	231.8	245.3	252.1	253.8	263.9	269.0	273.2	277.5
90°	179.3	194.6	209.8	222.5	229.3	230.1	241.1	246.2	250.4	253.8
92.5°	159.0	174.3	189.5	202.2	208.1	209.8	219.1	225.0	228.4	231.8
95°	139.6	154.8	168.3	181.9	187.8	190.3	198.8	203.9	208.1	209.8
97.5°	122.7	136.2	148.9	162.4	167.5	170.0	178.5	184.4	187.8	189.5
100°	106.6	119.3	131.1	143.8	148.9	151.4	159.0	164.1	167.5	170.0
102.5°	92.2	104.1	115.0	126.9	132.0	133.7	140.4	145.5	148.9	151.4
105°	79.5	90.5	100.7	111.7	115.9	118.4	124.4	128.6	132.0	133.7
107.5°	67.7	78.7	87.1	97.3	101.5	103.2	109.1	114.2	116.7	117.6
110°	57.5	66.8	75.3	83.7	88.8	90.5	95.6	99.8	102.4	103.2



TEST NUMBER: P895044
 CATALOG NUMBER: 8TMB-4SL-RND-UNV-L950

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	48.2	56.7	64.3	71.9	76.1	77.8	82.9	87.1	88.8	89.7
115°	39.8	48.2	54.1	61.8	65.1	66.8	71.1	75.3	76.1	77.8
117.5°	32.1	39.8	45.7	51.6	55.0	56.7	60.1	63.4	65.1	66.0
120°	26.2	32.1	37.2	43.1	45.7	47.4	50.8	54.1	55.0	55.8
122.5°	21.1	26.2	30.5	35.5	38.1	39.8	42.3	44.8	45.7	46.5
125°	16.1	21.1	24.5	28.8	31.3	32.1	34.7	37.2	38.1	38.9
127.5°	12.7	16.1	19.5	22.8	24.5	25.4	27.9	29.6	30.5	31.3
130°	9.3	11.8	14.4	17.8	19.5	20.3	22.0	23.7	24.5	24.5
132.5°	6.8	9.3	11.0	13.5	14.4	15.2	16.9	18.6	18.6	19.5
135°	4.2	5.9	7.6	9.3	11.0	11.0	12.7	13.5	14.4	14.4
137.5°	3.4	4.2	5.1	6.8	7.6	8.5	8.5	10.2	10.2	10.2
140°	2.5	3.4	3.4	4.2	5.1	5.9	5.9	6.8	6.8	6.8
142.5°	1.7	2.5	2.5	3.4	3.4	4.2	4.2	4.2	5.1	5.1
145°	1.7	1.7	1.7	2.5	2.5	2.5	2.5	3.4	3.4	3.4
147.5°	0.8	0.8	1.7	1.7	1.7	1.7	1.7	2.5	2.5	2.5
150°	0.8	0.8	0.8	0.8	0.8	1.7	1.7	1.7	1.7	1.7
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°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7



TEST NUMBER: P895044
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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	14.96	16.49	15.43	16.95	17.44	16.53	18.07	17.00	18.52	19.01
	3H	16.63	18.04	17.12	18.50	19.03	19.16	20.56	19.64	21.03	21.55
	4H	17.23	18.56	17.74	19.05	19.59	20.47	21.80	20.97	22.28	22.82
	6H	17.63	18.87	18.15	19.37	19.93	21.87	23.11	22.39	23.61	24.17
	8H	17.75	18.94	18.28	19.46	20.02	22.62	23.81	23.15	24.33	24.89
	12H	17.82	18.96	18.36	19.48	20.07	23.47	24.61	24.01	25.13	25.72
4H	2H	15.89	17.22	16.39	17.70	18.24	17.08	18.41	17.59	18.90	19.44
	3H	17.87	19.00	18.38	19.53	20.09	20.00	21.13	20.51	21.66	22.22
	4H	18.64	19.68	19.18	20.22	20.82	21.52	22.56	22.06	23.10	23.70
	6H	19.22	20.14	19.78	20.71	21.31	23.16	24.09	23.72	24.65	25.26
	8H	19.40	20.27	19.97	20.83	21.46	24.05	24.91	24.61	25.48	26.10
	12H	19.53	20.32	20.11	20.91	21.53	25.05	25.84	25.63	26.43	27.06
8H	4H	19.52	20.39	20.08	20.95	21.57	21.88	22.75	22.44	23.31	23.94
	6H	20.40	21.14	20.99	21.74	22.37	23.78	24.52	24.38	25.13	25.75
	8H	20.75	21.42	21.36	22.03	22.67	24.87	25.53	25.47	26.15	26.79
	12H	21.02	21.62	21.63	22.22	22.93	26.13	26.73	26.74	27.33	28.04
12H	4H	19.80	20.59	20.38	21.18	21.80	21.92	22.71	22.51	23.30	23.93
	6H	20.85	21.52	21.46	22.13	22.77	23.89	24.56	24.50	25.18	25.82
	8H	21.37	21.96	21.98	22.57	23.28	25.09	25.69	25.70	26.29	27.00