

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: P893395

Luminaire Tested: 4MB-3SL-FLT-UNV-L840

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893395
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4MB-3SL-FLT-UNV-L840
Description: 3000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 80CRI, 4000K CCT
Light Source: -
Ballast/Driver: -

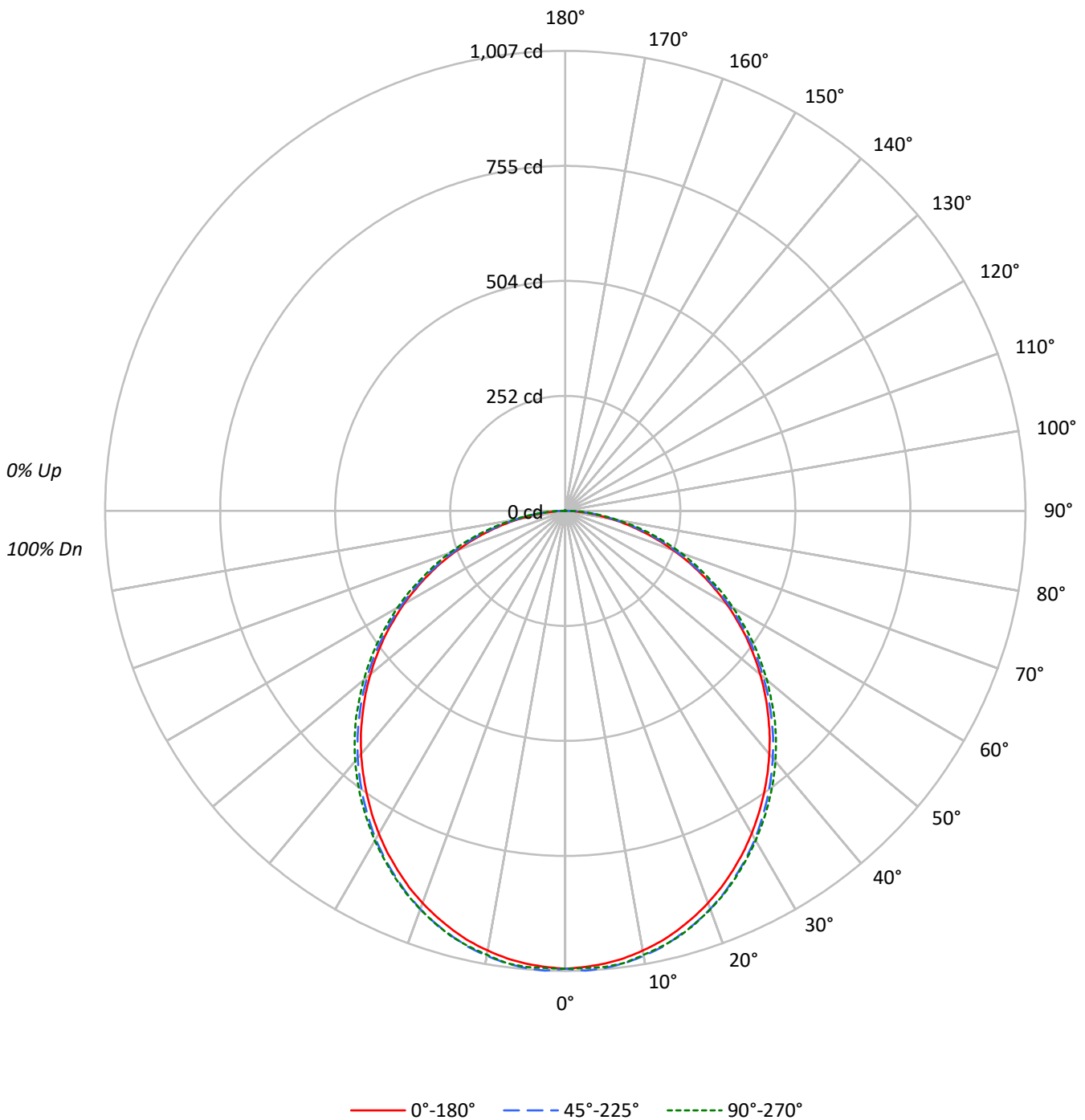
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2781.9 lumens
Efficiency: N/A
Efficacy: 131.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.38' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 21.1
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 5.2
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: 4MB-3SL-FLT-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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	102	100
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	86	86	86	83
2	99	90	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	72	72	72	69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	61	61	61	58
4	82	70	62	55	80	69	61	54	66	59	54	64	58	53	62	57	52	52	52	52	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	45	45	45	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	40	40	40	38
7	65	51	43	36	63	51	42	36	49	41	36	48	41	36	46	40	35	35	35	35	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	32	32	32	30
9	56	43	35	29	55	42	35	29	41	34	29	40	34	29	39	33	29	29	29	29	27
10	53	40	32	27	52	39	32	26	38	31	26	37	31	26	36	30	26	26	26	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7131	7131	7131
5°	7105	7174	7158
10°	7060	7145	7129
15°	6998	7090	7101
20°	6916	7021	7027
25°	6813	6923	6941
30°	6702	6817	6847
35°	6576	6691	6748
40°	6453	6562	6644
45°	6312	6416	6526
50°	6163	6262	6375
55°	5998	6088	6216
60°	5804	5898	6035
65°	5546	5657	5805
70°	5219	5371	5617
75°	4800	5000	5325
80°	4237	4569	4810
85°	3657	4196	4490

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 45°
 Luminance: 6526 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.8	3.4
10°-20°	270.1	9.7
20°-30°	404.8	14.6
30°-40°	481.6	17.3
40°-50°	494.2	17.8
50°-60°	442.7	15.9
60°-70°	336.4	12.1
70°-80°	195.5	7.0
80°-90°	58.7	2.1
90°-100°	1.4	0.0
100°-110°	0.2	0.0
110°-120°	0.0	0.0
120°-130°	0.1	0.0
130°-140°	0.3	0.0
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-30°	769.7	27.7
0°-40°	1251.3	45.0
0°-60°	2188.2	78.7
0°-90°	2778.9	99.9
90°-120°	1.6	0.1
90°-150°	2.4	0.1
90°-180°	3.0	0.1
0°-180°	2781.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1002	1002	1002	1002	1002	
5°	995	1012	1004	999	1002	94
15°	950	968	963	961	964	268
25°	868	888	882	880	884	400
35°	757	776	770	772	777	474
45°	627	643	638	643	649	484
55°	484	495	491	497	501	432
65°	329	338	336	342	345	326
75°	175	181	182	189	194	185
85°	45	48	51	55	55	49
90°	1	3	3	5	4	3
95°	0	1	1	2	2	0
105°	0	0	0	1	1	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	1	0	0	0
145°	1	1	1	1	1	0
155°	1	1	1	1	1	0
165°	1	1	1	1	1	0
175°	2	2	2	1	1	0
180°	1	1	1	1	1	



TEST NUMBER: P893395
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2
2.5°	999.2	997.8	999.2	998.5	1005.9	1014.7	1013.2	1006.6	999.2	1001.4	1007.3
5°	994.8	994.1	996.3	994.8	1002.2	1011.7	1008.8	1002.9	996.3	998.5	1004.4
7.5°	987.5	987.5	990.4	989.0	995.6	1005.1	1002.2	997.0	990.4	992.6	998.5
10°	977.2	978.0	981.6	979.4	985.3	995.6	992.6	987.5	981.6	983.1	989.0
12.5°	965.5	965.5	969.9	967.7	973.6	983.1	979.4	975.8	969.9	971.4	978.0
15°	950.1	950.8	956.0	953.8	958.9	968.4	964.8	961.8	956.7	957.4	962.6
17.5°	932.5	934.7	939.8	937.6	942.8	952.3	947.9	945.0	940.6	941.3	946.4
20°	913.4	915.6	920.7	919.3	922.9	932.5	928.1	926.6	922.2	922.9	927.3
22.5°	892.1	894.3	900.2	898.7	902.4	911.9	906.8	906.1	901.7	902.4	906.1
25°	867.9	870.9	877.5	876.0	878.9	887.7	883.3	881.9	878.9	878.9	881.9
27.5°	843.0	845.9	853.2	851.0	853.2	862.8	857.7	856.9	854.0	854.0	856.9
30°	815.8	818.8	826.8	824.6	826.8	834.9	829.8	830.5	827.6	827.6	829.8
32.5°	787.2	789.4	798.2	796.8	798.2	806.3	801.2	801.9	799.0	799.7	800.4
35°	757.1	759.3	768.9	767.4	768.1	775.5	771.8	771.8	769.6	768.9	770.3
37.5°	726.3	728.5	740.3	736.6	736.6	743.9	741.0	741.0	738.8	738.1	738.8
40°	694.8	696.2	708.7	705.0	704.3	710.9	708.7	708.7	707.3	705.8	706.5
42.5°	661.8	664.0	676.4	673.5	670.6	677.9	675.7	676.4	674.2	672.8	672.8
45°	627.3	629.5	642.0	640.5	636.1	642.7	640.5	642.0	639.0	637.6	637.6
47.5°	592.8	595.7	607.5	605.3	600.9	607.5	605.3	606.7	603.8	602.3	602.3
50°	556.8	559.8	572.3	568.6	564.2	570.8	569.3	570.1	567.9	566.4	565.7
52.5°	520.2	523.8	535.6	531.2	527.5	533.4	532.6	533.4	530.4	529.7	529.0
55°	483.5	487.2	498.2	493.0	490.1	495.2	493.8	495.2	492.3	491.6	490.8
57.5°	445.3	449.0	459.3	454.1	451.9	456.3	455.6	456.3	454.1	453.4	452.7
60°	407.9	410.9	420.4	415.3	413.1	417.5	416.0	418.2	415.3	415.3	414.5
62.5°	368.3	372.0	381.5	375.6	374.2	377.8	376.4	378.6	377.1	375.6	374.9
65°	329.4	331.6	340.4	335.3	333.1	337.5	336.8	338.2	336.0	336.8	336.0
67.5°	290.5	292.0	300.8	294.9	293.5	297.9	298.6	297.9	296.4	297.1	296.4
70°	250.9	252.4	259.7	254.6	253.8	257.5	259.0	258.2	256.8	257.5	258.2
72.5°	212.8	213.5	220.1	215.7	215.0	219.4	219.4	219.4	219.4	219.4	220.8
75°	174.6	175.3	181.2	177.5	176.8	181.2	181.2	181.2	181.2	182.7	181.9
77.5°	137.9	137.2	143.1	140.9	139.4	143.8	143.8	144.5	146.0	147.5	145.3
80°	103.4	102.7	107.1	104.2	104.2	108.6	107.8	108.6	110.0	110.8	111.5
82.5°	72.6	71.2	74.8	74.1	73.4	77.0	77.8	77.0	79.2	80.0	80.0
85°	44.8	44.8	47.0	45.5	45.5	48.4	48.4	49.2	50.6	51.4	51.4
87.5°	21.3	20.5	22.7	22.0	21.3	23.5	23.5	24.2	24.9	25.7	24.9
90°	0.7	0.7	1.5	1.5	1.5	2.9	2.9	2.9	3.7	3.7	2.9
92.5°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	1.5	1.5	1.5	1.5
95°	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.7	0.7
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7	0.7	0.7
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7
132.5°	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0	0.0
135°	0.0	0.7	0.7	0.7	0.7	0.0	0.7	0.0	0.0	0.0	0.7
137.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
140°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
142.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
145°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
147.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
150°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
152.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
155°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
157.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
160°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
162.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
165°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
167.5°	1.5	1.5	1.5	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7
170°	1.5	1.5	1.5	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7
172.5°	1.5	1.5	1.5	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7
175°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.7	1.5	1.5
177.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2	1002.2
2.5°	998.5	993.4	991.2	992.6	1002.9	992.6	1003.7	1007.3	994.1	1001.4
5°	995.6	990.4	987.5	989.0	999.2	989.7	1001.4	1005.9	994.8	1002.2
7.5°	989.7	983.8	982.4	984.6	993.4	985.3	997.0	1001.4	990.4	997.8
10°	980.9	975.8	974.3	976.5	984.6	976.5	986.8	990.4	980.2	986.8
12.5°	969.9	964.8	963.3	966.2	973.6	966.2	976.5	980.2	969.9	976.5
15°	956.0	950.8	950.1	954.5	961.1	954.5	964.8	967.7	957.4	964.0
17.5°	939.1	934.0	934.7	939.8	945.0	939.1	948.6	951.6	942.0	947.2
20°	920.7	914.9	916.3	920.7	925.1	919.3	928.8	931.8	922.9	928.1
22.5°	899.5	893.6	895.1	900.2	903.1	898.0	906.8	909.7	902.4	907.5
25°	876.0	870.9	873.1	878.2	880.4	876.0	884.1	886.3	879.7	884.1
27.5°	852.5	846.6	849.6	854.7	856.2	851.8	859.9	861.3	854.7	859.1
30°	826.1	820.2	823.9	829.8	829.8	826.8	833.4	834.9	829.8	833.4
32.5°	796.8	792.4	796.8	801.9	801.2	799.0	805.6	807.0	802.6	805.6
35°	767.4	763.7	768.1	773.3	772.5	770.3	776.9	777.7	774.0	776.9
37.5°	737.3	734.4	738.8	743.2	741.7	740.3	746.1	746.1	743.9	746.9
40°	706.5	703.6	707.3	712.4	709.5	709.5	713.1	714.6	712.4	715.3
42.5°	674.2	671.3	675.7	680.1	677.2	676.4	680.8	681.6	680.1	682.3
45°	640.5	637.6	642.0	645.6	642.7	642.7	646.4	646.4	645.6	648.6
47.5°	606.0	603.8	607.5	611.1	608.2	610.4	610.4	610.4	611.9	611.1
50°	570.8	568.6	571.5	575.9	572.3	573.0	574.5	574.5	575.2	575.9
52.5°	534.1	531.2	534.1	539.2	534.1	536.3	537.0	537.8	540.0	538.5
55°	497.4	494.5	497.4	501.8	496.7	499.6	499.6	500.4	502.6	501.1
57.5°	459.3	456.3	460.7	463.7	458.5	461.5	461.5	462.9	464.4	462.2
60°	421.1	418.9	420.4	425.5	420.4	423.3	423.3	423.3	426.3	424.1
62.5°	382.2	380.8	382.2	386.6	381.5	384.4	383.7	384.4	387.4	386.6
65°	342.6	341.2	342.6	347.0	341.9	344.8	344.8	345.6	347.8	344.8
67.5°	303.7	301.5	303.7	307.4	303.0	305.2	305.2	305.2	308.9	307.4
70°	264.1	262.7	264.1	267.8	264.1	265.6	265.6	265.6	269.3	270.0
72.5°	225.2	225.2	226.7	229.6	226.7	229.6	227.4	226.0	231.1	231.8
75°	187.1	187.8	188.6	191.5	188.6	191.5	190.0	188.6	193.0	193.7
77.5°	151.9	151.9	152.6	154.8	152.6	154.8	153.3	153.3	156.3	155.5
80°	115.9	115.9	116.7	118.9	116.7	118.9	117.4	117.4	120.3	117.4
82.5°	84.4	84.4	84.4	86.6	85.1	86.6	85.8	84.4	88.0	85.1
85°	54.3	55.0	55.0	55.8	55.0	55.8	55.8	55.0	57.2	55.0
87.5°	27.9	27.9	27.9	28.6	27.9	27.9	28.6	27.9	29.3	28.6
90°	5.1	4.4	4.4	5.9	5.1	5.1	5.9	4.4	5.1	4.4
92.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.9	2.9
95°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	2.2
97.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5
100°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
102.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
105°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.7	0.7
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.7	0.0	0.0	0.0	0.7



TEST NUMBER: P893395
 CATALOG NUMBER: 4MB-3SL-FLT-UNV-L840

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.7	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.7	0.7	0.7	0.7	0.0	0.7	0.0	0.0	0.0	0.0
140°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
142.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
145°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
147.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
150°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
152.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
155°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
157.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
160°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
162.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
165°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
167.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
170°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
172.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
175°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
177.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
180°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7



TEST NUMBER: P893395
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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	18.33	19.97	18.70	20.28	20.60	18.47	20.10	18.83	20.42	20.74
	3H	20.15	21.64	20.53	21.96	22.33	20.30	21.78	20.68	22.11	22.47
	4H	20.82	22.21	21.22	22.56	22.94	21.01	22.40	21.41	22.75	23.13
	6H	21.27	22.56	21.68	22.93	23.32	21.57	22.86	21.98	23.23	23.62
	8H	21.41	22.64	21.83	23.04	23.44	21.76	23.00	22.19	23.39	23.79
	12H	21.50	22.69	21.93	23.07	23.50	21.90	23.09	22.33	23.47	23.90
4H	2H	18.97	20.36	19.37	20.71	21.09	19.07	20.47	19.47	20.82	21.20
	3H	21.01	22.18	21.42	22.58	22.98	21.14	22.31	21.55	22.71	23.12
	4H	21.80	22.86	22.23	23.28	23.71	21.99	23.05	22.42	23.46	23.90
	6H	22.38	23.30	22.83	23.75	24.20	22.68	23.61	23.13	24.05	24.51
	8H	22.57	23.43	23.03	23.88	24.35	22.92	23.79	23.38	24.24	24.70
	12H	22.71	23.49	23.19	23.97	24.44	23.12	23.90	23.60	24.38	24.85
8H	4H	22.13	23.00	22.59	23.44	23.91	22.30	23.16	22.76	23.61	24.08
	6H	22.83	23.56	23.33	24.05	24.52	23.12	23.85	23.62	24.33	24.81
	8H	23.10	23.75	23.61	24.25	24.74	23.45	24.10	23.96	24.61	25.10
	12H	23.31	23.89	23.82	24.38	24.94	23.73	24.31	24.24	24.80	25.36
12H	4H	22.17	22.95	22.65	23.43	23.90	22.33	23.11	22.81	23.59	24.06
	6H	22.90	23.55	23.41	24.06	24.55	23.18	23.83	23.69	24.34	24.82
	8H	23.23	23.80	23.74	24.30	24.86	23.57	24.15	24.08	24.64	25.20