

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: P893286

Luminaire Tested: 4MB-2SL-FLT-UNV-L935

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893286
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-2SL-FLT-UNV-L935
Description: 2000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS, 90CRI, 3500K CCT
Light Source: -
Ballast/Driver: -

Summary

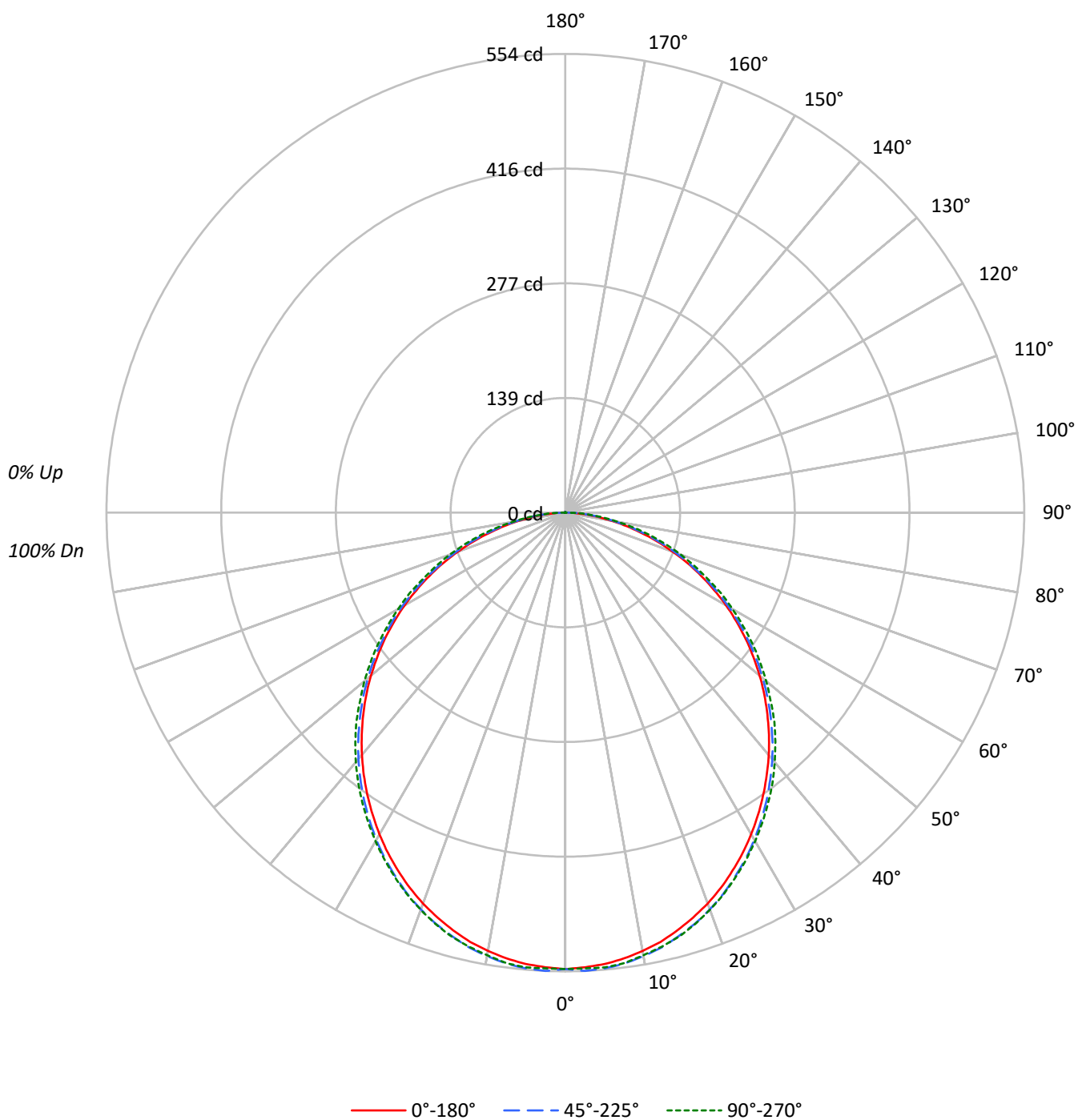
Lumens per Lamp: N/A
Luminaire Lumens: 1530.0 lumens
Efficiency: N/A
Efficacy: 110.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.24 / 1.34
Luminous Opening: Rectangular (W 0.38' x L: 3.98' x H: 0')
CIE Type: Direct

Input Watts (W): 13.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.996
Total Harmonic Distortion (THDi): 5.92
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: 4MB-2SL-FLT-UNV-L935

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	99	96	106	101	98	94	97	94	91		93	91	88		90	88	86	83
2	99	90	84	78	96	89	82	77	85	80	75		82	77	73		79	75	72	69
3	90	79	71	65	87	78	70	64	75	68	63		72	66	62		69	65	61	58
4	82	70	62	55	80	69	61	54	66	59	54		64	58	53		62	57	52	50
5	76	63	54	47	74	62	53	47	60	52	46		58	51	46		56	50	45	43
6	70	57	48	41	68	56	47	41	54	46	41		52	45	40		51	45	40	38
7	65	51	43	36	63	51	42	36	49	41	36		48	41	36		46	40	35	33
8	60	47	38	32	59	46	38	32	45	37	32		44	37	32		42	36	32	30
9	56	43	35	29	55	42	35	29	41	34	29		40	34	29		39	33	29	27
10	53	40	32	27	52	39	32	26	38	31	26		37	31	26		36	30	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3922	3922	3922
5°	3907	3945	3937
10°	3883	3930	3921
15°	3849	3900	3905
20°	3803	3862	3865
25°	3747	3808	3817
30°	3686	3749	3766
35°	3617	3680	3711
40°	3549	3609	3654
45°	3471	3528	3589
50°	3389	3444	3506
55°	3298	3348	3419
60°	3192	3244	3318
65°	3051	3111	3192
70°	2871	2954	3089
75°	2639	2752	2928
80°	2331	2512	2647
85°	2008	2302	2474

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 3589 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	3.4
10°-20°	148.6	9.7
20°-30°	222.6	14.6
30°-40°	264.9	17.3
40°-50°	271.8	17.8
50°-60°	243.5	15.9
60°-70°	185.0	12.1
70°-80°	107.5	7.0
80°-90°	32.3	2.1
90°-100°	0.8	0.0
100°-110°	0.1	0.0
110°-120°	0.0	0.0
120°-130°	0.1	0.0
130°-140°	0.2	0.0
140°-150°	0.2	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.1	0.0
0°-30°	423.3	27.7
0°-40°	688.2	45.0
0°-60°	1203.5	78.7
0°-90°	1528.3	99.9
90°-120°	0.9	0.1
90°-150°	1.4	0.1
90°-180°	2.0	0.1
0°-180°	1530.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	551	551	551	551	551	
5°	547	556	552	550	551	52
15°	522	533	529	529	530	147
25°	477	488	485	484	486	220
35°	416	426	424	425	427	261
45°	345	354	351	354	357	266
55°	266	272	270	273	276	238
65°	181	186	185	188	190	179
75°	96	100	100	104	106	102
85°	25	27	28	30	30	27
90°	0	2	2	3	2	2
95°	0	0	0	1	1	0
105°	0	0	0	0	0	0
115°	0	0	0	0	0	0
125°	0	0	0	0	0	0
135°	0	0	0	0	0	0
145°	0	0	0	0	0	0
155°	0	0	0	0	0	0
165°	0	0	0	0	0	0
175°	1	1	1	0	0	0
180°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2
2.5°	549.6	548.7	549.6	549.1	553.2	558.0	557.2	553.6	549.6	550.8	554.0
5°	547.1	546.7	547.9	547.1	551.2	556.4	554.8	551.6	547.9	549.1	552.4
7.5°	543.1	543.1	544.7	543.9	547.5	552.8	551.2	548.3	544.7	545.9	549.1
10°	537.4	537.8	539.9	538.7	541.9	547.5	545.9	543.1	539.9	540.7	543.9
12.5°	531.0	531.0	533.4	532.2	535.4	540.7	538.7	536.6	533.4	534.2	537.8
15°	522.5	522.9	525.7	524.5	527.4	532.6	530.6	529.0	526.1	526.6	529.4
17.5°	512.8	514.0	516.9	515.7	518.5	523.7	521.3	519.7	517.3	517.7	520.5
20°	502.3	503.6	506.4	505.6	507.6	512.8	510.4	509.6	507.2	507.6	510.0
22.5°	490.6	491.9	495.1	494.3	496.3	501.5	498.7	498.3	495.9	496.3	498.3
25°	477.3	478.9	482.6	481.8	483.4	488.2	485.8	485.0	483.4	483.4	485.0
27.5°	463.6	465.2	469.3	468.0	469.3	474.5	471.7	471.3	469.7	469.7	471.3
30°	448.7	450.3	454.7	453.5	454.7	459.2	456.3	456.7	455.1	455.1	456.3
32.5°	432.9	434.2	439.0	438.2	439.0	443.4	440.6	441.0	439.4	439.8	440.2
35°	416.4	417.6	422.9	422.0	422.5	426.5	424.5	424.5	423.3	422.9	423.7
37.5°	399.5	400.7	407.1	405.1	405.1	409.1	407.5	407.5	406.3	405.9	406.3
40°	382.1	382.9	389.8	387.8	387.3	391.0	389.8	389.8	389.0	388.2	388.6
42.5°	363.9	365.2	372.0	370.4	368.8	372.8	371.6	372.0	370.8	370.0	370.0
45°	345.0	346.2	353.1	352.2	349.8	353.5	352.2	353.1	351.4	350.6	350.6
47.5°	326.0	327.6	334.1	332.9	330.5	334.1	332.9	333.7	332.1	331.3	331.3
50°	306.2	307.9	314.7	312.7	310.3	313.9	313.1	313.5	312.3	311.5	311.1
52.5°	286.1	288.1	294.5	292.1	290.1	293.3	292.9	293.3	291.7	291.3	290.9
55°	265.9	267.9	274.0	271.1	269.5	272.4	271.5	272.4	270.7	270.3	269.9
57.5°	244.9	246.9	252.6	249.8	248.5	251.0	250.6	251.0	249.8	249.4	249.0
60°	224.3	226.0	231.2	228.4	227.2	229.6	228.8	230.0	228.4	228.4	228.0
62.5°	202.6	204.6	209.8	206.6	205.8	207.8	207.0	208.2	207.4	206.6	206.2
65°	181.2	182.4	187.2	184.4	183.2	185.6	185.2	186.0	184.8	185.2	184.8
67.5°	159.8	160.6	165.4	162.2	161.4	163.8	164.2	163.8	163.0	163.4	163.0
70°	138.0	138.8	142.8	140.0	139.6	141.6	142.4	142.0	141.2	141.6	142.0
72.5°	117.0	117.4	121.0	118.6	118.2	120.6	120.6	120.6	120.6	120.6	121.4
75°	96.0	96.4	99.7	97.6	97.2	99.7	99.7	99.7	99.7	100.5	100.1
77.5°	75.9	75.5	78.7	77.5	76.7	79.1	79.1	79.5	80.3	81.1	79.9
80°	56.9	56.5	58.9	57.3	57.3	59.7	59.3	59.7	60.5	60.9	61.3
82.5°	39.9	39.1	41.2	40.8	40.3	42.4	42.8	42.4	43.6	44.0	44.0
85°	24.6	24.6	25.8	25.0	25.0	26.6	26.6	27.0	27.8	28.2	28.2
87.5°	11.7	11.3	12.5	12.1	11.7	12.9	12.9	13.3	13.7	14.1	13.7
90°	0.4	0.4	0.8	0.8	0.8	1.6	1.6	1.6	2.0	2.0	1.6
92.5°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.8	0.8	0.8	0.8
95°	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.4	0.4
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4
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	0.4

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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	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4
132.5°	0.0	0.0	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0	0.0
135°	0.0	0.4	0.4	0.4	0.4	0.0	0.4	0.0	0.0	0.0	0.4
137.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
140°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
142.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
145°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
147.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
150°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
152.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
155°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
157.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
160°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
162.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
165°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
167.5°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4
170°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4
172.5°	0.8	0.8	0.8	0.8	0.8	0.4	0.4	0.4	0.4	0.4	0.4
175°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.4	0.8	0.8
177.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8
180°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2	551.2
2.5°	549.1	546.3	545.1	545.9	551.6	545.9	552.0	554.0	546.7	550.8
5°	547.5	544.7	543.1	543.9	549.6	544.3	550.8	553.2	547.1	551.2
7.5°	544.3	541.1	540.3	541.5	546.3	541.9	548.3	550.8	544.7	548.7
10°	539.5	536.6	535.8	537.0	541.5	537.0	542.7	544.7	539.1	542.7
12.5°	533.4	530.6	529.8	531.4	535.4	531.4	537.0	539.1	533.4	537.0
15°	525.7	522.9	522.5	524.9	528.6	524.9	530.6	532.2	526.6	530.2
17.5°	516.5	513.6	514.0	516.9	519.7	516.5	521.7	523.3	518.1	520.9
20°	506.4	503.1	504.0	506.4	508.8	505.6	510.8	512.4	507.6	510.4
22.5°	494.7	491.4	492.3	495.1	496.7	493.9	498.7	500.3	496.3	499.1
25°	481.8	478.9	480.2	483.0	484.2	481.8	486.2	487.4	483.8	486.2
27.5°	468.9	465.6	467.2	470.1	470.9	468.4	472.9	473.7	470.1	472.5
30°	454.3	451.1	453.1	456.3	456.3	454.7	458.4	459.2	456.3	458.4
32.5°	438.2	435.8	438.2	441.0	440.6	439.4	443.0	443.8	441.4	443.0
35°	422.0	420.0	422.5	425.3	424.9	423.7	427.3	427.7	425.7	427.3
37.5°	405.5	403.9	406.3	408.7	407.9	407.1	410.3	410.3	409.1	410.8
40°	388.6	386.9	389.0	391.8	390.2	390.2	392.2	393.0	391.8	393.4
42.5°	370.8	369.2	371.6	374.0	372.4	372.0	374.4	374.8	374.0	375.2
45°	352.2	350.6	353.1	355.1	353.5	353.5	355.5	355.5	355.1	356.7
47.5°	333.3	332.1	334.1	336.1	334.5	335.7	335.7	335.7	336.5	336.1
50°	313.9	312.7	314.3	316.7	314.7	315.1	315.9	315.9	316.3	316.7
52.5°	293.7	292.1	293.7	296.6	293.7	294.9	295.4	295.8	297.0	296.2
55°	273.6	272.0	273.6	276.0	273.2	274.8	274.8	275.2	276.4	275.6
57.5°	252.6	251.0	253.4	255.0	252.2	253.8	253.8	254.6	255.4	254.2
60°	231.6	230.4	231.2	234.0	231.2	232.8	232.8	232.8	234.4	233.2
62.5°	210.2	209.4	210.2	212.6	209.8	211.4	211.0	211.4	213.0	212.6
65°	188.4	187.6	188.4	190.8	188.0	189.6	189.6	190.0	191.3	189.6
67.5°	167.0	165.8	167.0	169.1	166.6	167.9	167.9	167.9	169.9	169.1
70°	145.3	144.4	145.3	147.3	145.3	146.1	146.1	146.1	148.1	148.5
72.5°	123.9	123.9	124.7	126.3	124.7	126.3	125.1	124.3	127.1	127.5
75°	102.9	103.3	103.7	105.3	103.7	105.3	104.5	103.7	106.1	106.5
77.5°	83.5	83.5	83.9	85.1	83.9	85.1	84.3	84.3	85.9	85.5
80°	63.8	63.8	64.2	65.4	64.2	65.4	64.6	64.6	66.2	64.6
82.5°	46.4	46.4	46.4	47.6	46.8	47.6	47.2	46.4	48.4	46.8
85°	29.9	30.3	30.3	30.7	30.3	30.7	30.7	30.3	31.5	30.3
87.5°	15.3	15.3	15.3	15.7	15.3	15.3	15.7	15.3	16.1	15.7
90°	2.8	2.4	2.4	3.2	2.8	2.8	3.2	2.4	2.8	2.4
92.5°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.6	1.6
95°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.2
97.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.8	0.8
100°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
102.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
105°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.4	0.4
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	0.4	0.0	0.0	0.0	0.4

TEST NUMBER: P893286

CATALOG NUMBER: 4MB-2SL-FLT-UNV-L935

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	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.4	0.4	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°	0.4	0.4	0.4	0.4	0.0	0.4	0.0	0.0	0.0	0.0
140°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
142.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.0	0.0	0.0
145°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
147.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
150°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
152.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
155°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
157.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
160°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
162.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
165°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
167.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
170°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
172.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
175°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
177.5°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
180°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4

TEST NUMBER: P893286
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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	16.25	17.89	16.62	18.21	18.52	16.39	18.03	16.76	18.34	18.66
	3H	18.08	19.56	18.46	19.89	20.25	18.22	19.71	18.60	20.03	20.40
	4H	18.74	20.13	19.14	20.48	20.86	18.93	20.33	19.33	20.68	21.05
	6H	19.19	20.49	19.60	20.85	21.25	19.49	20.78	19.90	21.15	21.54
	8H	19.33	20.57	19.76	20.96	21.36	19.68	20.92	20.11	21.31	21.71
	12H	19.43	20.61	19.86	21.00	21.43	19.83	21.01	20.26	21.39	21.83
4H	2H	16.89	18.28	17.29	18.63	19.01	17.00	18.39	17.40	18.74	19.12
	3H	18.93	20.10	19.34	20.50	20.90	19.06	20.24	19.48	20.64	21.04
	4H	19.72	20.78	20.16	21.20	21.64	19.91	20.97	20.34	21.39	21.82
	6H	20.30	21.23	20.75	21.67	22.13	20.60	21.53	21.06	21.97	22.43
	8H	20.49	21.36	20.95	21.80	22.27	20.85	21.72	21.31	22.16	22.63
	12H	20.63	21.41	21.11	21.89	22.36	21.04	21.82	21.52	22.30	22.77
8H	4H	20.05	20.92	20.51	21.36	21.83	20.22	21.09	20.68	21.53	22.00
	6H	20.75	21.48	21.25	21.97	22.45	21.04	21.77	21.54	22.26	22.73
	8H	21.02	21.67	21.53	22.18	22.66	21.37	22.02	21.88	22.53	23.02
	12H	21.23	21.81	21.74	22.30	22.86	21.66	22.23	22.17	22.73	23.29
12H	4H	20.10	20.88	20.58	21.35	21.83	20.25	21.03	20.73	21.51	21.98
	6H	20.82	21.48	21.34	21.98	22.47	21.10	21.75	21.61	22.26	22.75
	8H	21.15	21.73	21.66	22.22	22.78	21.49	22.07	22.00	22.56	23.12