

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: P893290

Luminaire Tested: 4MB-2SL-FLTU-UNV-L835

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893290
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-6)
Test Lab: INNOVATION CENTER
Issue Date: 11/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: METALUX
Catalog Number: 4MB-2SL-FLTU-UNV-L835
Description: 2000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 80CRI, 350
Light Source: -
Ballast/Driver: -

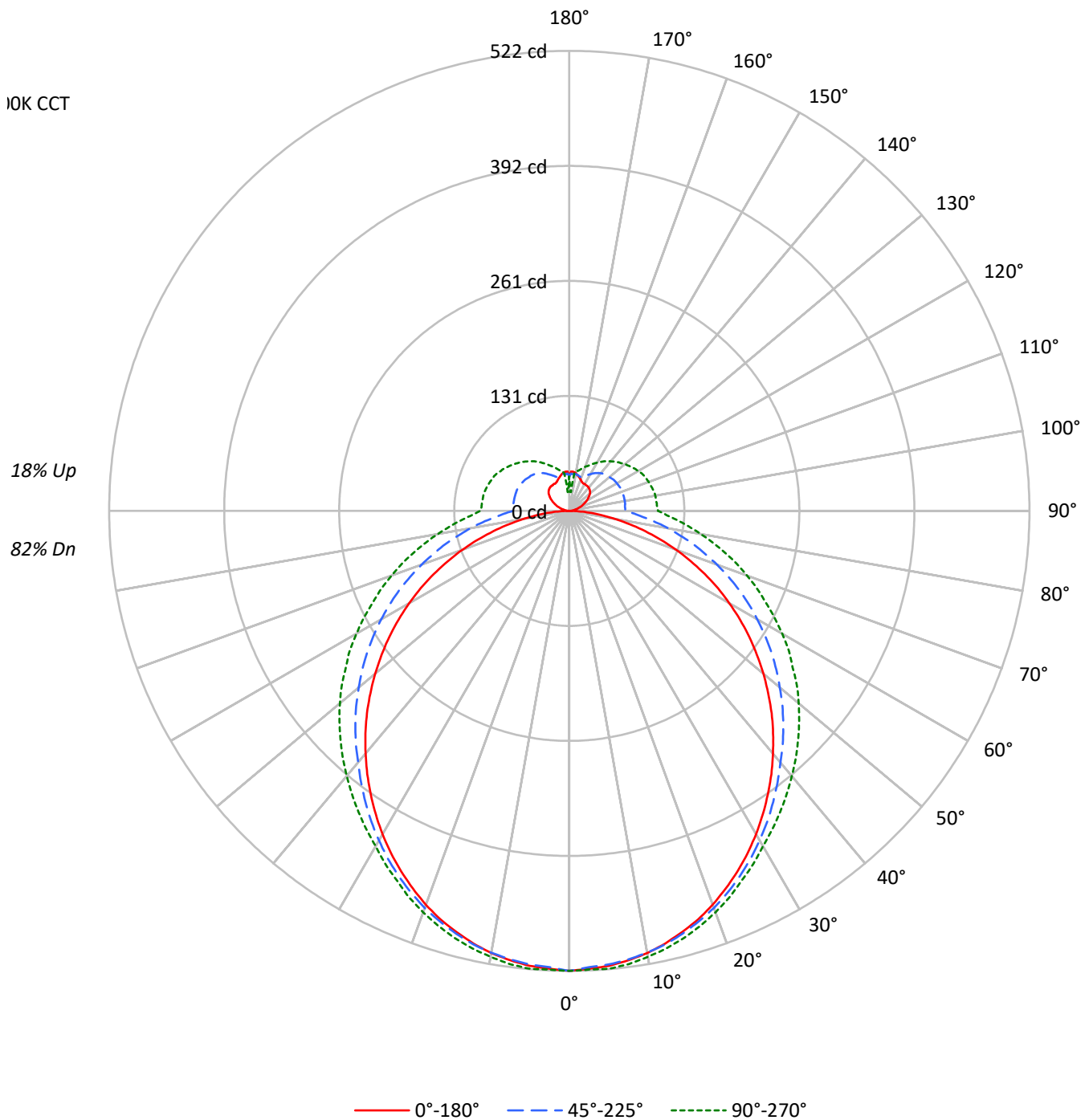
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1973.0 lumens
Efficiency: N/A
Efficacy: 143.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 3.98' x H: 0.21')
CIE Type: Semi-Direct

Input Watts (W): 13.8
Input Voltage (V): 120
Input Current (A_{in}): 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-FLTU-UNV-L835

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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	86	86	86	82
1	103	98	93	89	99	94	90	86	86	83	80	79	77	74	73	71	69	69	69	69	66
2	93	85	77	71	89	81	75	69	75	69	65	69	64	61	63	60	57	57	57	57	54
3	85	74	65	59	81	71	63	57	65	59	54	60	55	51	55	51	48	48	48	48	45
4	77	65	56	49	74	63	54	48	58	51	45	53	48	43	49	45	41	41	41	41	38
5	71	58	49	42	68	56	47	41	52	45	39	48	42	37	44	39	35	35	35	35	32
6	66	52	43	37	62	50	42	36	47	39	34	43	37	32	40	35	31	31	31	31	28
7	61	47	38	32	58	45	37	31	42	35	30	39	33	29	37	31	27	27	27	27	25
8	56	43	34	29	54	41	33	28	39	32	27	36	30	26	34	28	24	24	24	24	22
9	53	39	31	26	50	38	30	25	35	29	24	33	27	23	31	26	22	22	22	22	20
10	49	36	28	23	47	35	28	23	33	26	22	31	25	21	29	24	20	20	20	20	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3713	3713	3713
5°	3683	3558	3554
10°	3647	3421	3385
15°	3594	3284	3224
20°	3534	3145	3060
25°	3459	2998	2894
30°	3379	2849	2742
35°	3290	2700	2618
40°	3198	2552	2499
45°	3104	2424	2386
50°	2994	2291	2275
55°	2877	2161	2152
60°	2736	2021	2036
65°	2569	1874	1903
70°	2350	1712	1781
75°	2049	1547	1648
80°	1655	1370	1512
85°	1144	1190	1387

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3104 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.3	2.5
10°-20°	140.8	7.1
20°-30°	211.5	10.7
30°-40°	253.9	12.9
40°-50°	267.0	13.5
50°-60°	250.9	12.7
60°-70°	208.6	10.6
70°-80°	148.9	7.5
80°-90°	88.6	4.5
90°-100°	64.2	3.3
100°-110°	63.3	3.2
110°-120°	59.5	3.0
120°-130°	52.7	2.7
130°-140°	43.7	2.2
140°-150°	32.7	1.7
150°-160°	21.5	1.1
160°-170°	12.2	0.6
170°-180°	3.9	0.2
0°-30°	401.6	20.4
0°-40°	655.5	33.2
0°-60°	1173.4	59.5
0°-90°	1619.5	82.1
90°-120°	186.9	9.5
90°-150°	315.9	16.0
90°-180°	353.0	17.9
0°-180°	1973.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	522	522	522	522	522	
5°	518	524	517	518	521	49
15°	495	502	497	500	502	140
25°	451	460	458	462	463	208
35°	393	402	403	413	417	246
45°	325	334	343	361	367	250
55°	249	259	280	303	309	223
65°	170	184	213	239	246	168
75°	89	109	145	174	182	95
85°	22	49	85	114	123	24
90°	0	28	63	91	101	2
95°	2	30	63	90	100	3
105°	9	33	64	89	98	10
115°	18	36	63	85	94	18
125°	27	38	62	80	86	24
135°	33	40	58	73	78	25
145°	35	39	52	65	69	22
155°	35	40	44	55	58	16
165°	40	43	42	42	49	11
175°	45	44	42	36	21	4
180°	39	39	39	39	39	



TEST NUMBER: P893290
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9
2.5°	520.0	521.4	521.9	526.7	524.8	526.7	523.3	519.5	518.6	520.9	518.1
5°	518.1	519.5	520.0	524.8	522.8	524.3	521.4	517.6	516.6	519.5	516.6
7.5°	514.3	515.7	516.2	521.4	519.0	520.9	517.6	513.8	513.3	516.2	513.3
10°	509.5	510.9	511.4	516.2	514.3	516.2	512.8	509.0	508.5	511.9	509.0
12.5°	502.8	504.3	505.2	510.0	507.6	510.0	506.2	502.4	502.8	505.7	503.8
15°	494.7	496.6	497.1	501.9	500.0	502.4	498.5	494.7	495.7	498.5	496.6
17.5°	486.1	488.1	488.5	492.8	490.9	493.8	489.5	486.1	487.1	490.0	488.5
20°	475.7	477.6	478.5	482.8	480.9	483.8	479.5	476.6	477.6	480.9	479.5
22.5°	463.7	466.6	467.1	471.8	469.5	472.3	468.0	465.7	467.1	470.4	469.0
25°	451.4	454.2	454.7	459.5	457.5	459.9	455.6	453.3	455.2	458.5	457.5
27.5°	438.0	440.9	441.8	446.1	444.2	447.1	442.3	440.9	442.8	446.1	445.2
30°	423.7	426.6	427.0	431.3	429.9	432.8	428.5	426.6	429.4	432.8	431.8
32.5°	408.5	411.3	412.7	416.6	415.1	417.5	413.7	412.7	415.1	418.5	418.0
35°	392.7	395.6	397.0	401.3	399.4	401.8	398.0	397.0	400.8	403.2	403.2
37.5°	376.5	379.4	380.8	385.1	382.7	385.6	381.8	381.3	385.6	388.0	388.0
40°	359.4	362.7	364.1	367.9	366.0	368.4	365.1	365.6	369.4	372.2	372.7
42.5°	342.2	345.5	347.0	351.3	348.9	351.3	348.4	348.9	353.2	356.0	358.4
45°	324.6	327.4	328.9	333.6	330.8	333.6	330.8	331.7	336.0	340.3	343.2
47.5°	306.0	308.8	311.2	315.0	312.7	315.0	313.1	314.6	319.8	324.1	327.9
50°	287.4	290.3	292.6	296.0	293.6	296.9	294.5	296.5	303.1	307.4	311.7
52.5°	268.3	270.7	274.5	276.4	274.5	278.3	276.4	279.3	286.0	291.2	296.0
55°	249.3	251.7	255.5	256.9	255.0	259.3	257.8	261.7	268.8	274.5	279.8
57.5°	229.7	232.1	235.4	236.9	235.4	240.2	239.7	244.0	251.2	257.4	263.1
60°	209.7	212.1	215.0	216.4	216.4	221.1	221.1	226.4	234.0	239.7	246.4
62.5°	190.2	191.6	194.5	196.4	197.8	202.6	202.6	208.3	216.4	223.1	229.7
65°	169.7	171.1	173.5	175.9	178.3	183.5	184.0	190.2	198.3	204.9	212.6
67.5°	149.2	150.6	153.0	155.9	159.2	164.4	165.4	172.1	180.6	188.3	195.4
70°	129.2	129.6	132.5	136.3	140.1	145.4	146.8	153.9	163.0	170.6	178.3
72.5°	109.1	109.6	112.5	117.2	121.5	127.3	129.2	136.8	145.8	153.5	161.1
75°	89.1	89.6	93.4	99.1	103.9	109.1	111.5	119.6	128.7	136.8	145.4
77.5°	70.1	71.0	74.8	80.5	86.3	92.5	94.8	102.9	113.0	120.6	128.7
80°	52.4	53.4	57.7	63.9	70.1	75.8	78.6	86.7	97.2	104.9	113.9
82.5°	36.2	37.7	42.9	49.6	55.8	62.0	64.8	72.4	82.0	90.6	99.1
85°	22.4	24.3	29.6	36.7	43.4	49.1	52.0	60.1	69.1	77.2	85.3
87.5°	10.5	13.3	18.6	25.7	32.9	37.7	41.0	49.1	57.7	65.8	73.9
90°	0.0	4.3	9.5	16.7	23.8	28.1	31.9	39.6	48.1	55.8	63.4
92.5°	1.0	4.8	10.5	17.2	24.3	28.6	32.4	40.0	48.1	55.8	63.4
95°	2.4	5.2	11.0	18.1	25.3	29.6	32.9	40.5	48.6	56.2	63.4
97.5°	4.3	6.7	12.4	19.1	26.2	30.0	33.8	41.5	49.1	56.7	63.9
100°	5.7	7.6	13.3	20.0	27.2	31.0	34.8	41.9	49.6	57.2	63.9
102.5°	7.1	9.5	14.8	21.0	28.1	31.9	35.3	42.4	50.0	57.2	63.9
105°	9.1	11.0	15.7	22.4	29.1	32.9	36.2	43.4	50.5	57.7	63.9
107.5°	11.0	12.4	17.2	23.4	30.0	33.4	36.7	43.8	51.0	57.7	63.9
110°	13.3	14.3	18.6	24.3	30.5	34.3	37.7	44.3	51.0	57.7	63.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	15.7	15.7	20.0	25.3	31.5	34.8	38.1	44.8	51.5	57.7	63.9
115°	17.6	18.1	21.4	26.2	32.4	35.7	38.6	44.8	51.5	57.7	63.4
117.5°	20.0	20.0	23.4	27.2	32.9	36.2	39.6	45.3	51.5	57.2	62.9
120°	22.4	21.9	24.8	28.6	33.8	36.7	40.0	45.8	51.5	57.2	62.4
122.5°	24.8	23.8	25.7	29.6	34.3	37.7	40.0	45.8	51.5	56.7	62.0
125°	26.7	25.7	27.2	31.0	35.3	38.1	40.5	45.8	51.5	56.2	61.5
127.5°	28.6	27.6	29.1	31.9	35.7	38.1	41.0	45.8	51.5	55.8	60.5
130°	30.5	29.1	31.0	32.9	36.7	38.6	41.0	45.8	51.0	55.3	59.6
132.5°	31.9	30.5	32.4	33.8	37.2	39.1	41.5	45.8	50.5	54.8	59.1
135°	32.9	31.5	33.8	34.8	38.1	40.0	41.9	45.8	50.0	54.3	58.1
137.5°	33.8	31.9	34.8	35.7	38.6	40.5	41.9	45.3	49.6	53.4	57.2
140°	34.3	32.9	35.7	36.7	38.1	40.0	41.9	44.8	48.6	52.4	55.8
142.5°	34.8	32.9	36.2	37.2	38.1	39.6	41.5	43.8	47.7	51.0	54.3
145°	34.8	33.4	36.2	37.2	38.1	39.1	40.5	43.4	46.2	49.1	52.4
147.5°	34.8	33.8	36.7	37.7	38.6	38.6	39.6	42.4	44.8	47.7	50.5
150°	35.3	33.8	36.7	37.7	39.1	39.1	39.6	41.0	43.8	45.8	48.1
152.5°	34.8	34.3	36.2	38.1	39.1	39.6	39.6	40.0	42.4	44.3	46.2
155°	35.3	35.3	36.7	39.1	39.6	39.6	40.0	39.6	40.5	42.4	44.3
157.5°	36.2	37.2	37.2	39.6	40.5	40.5	41.0	40.5	40.0	40.5	42.4
160°	37.7	38.6	38.6	40.0	41.5	41.5	41.9	41.5	41.0	40.5	40.5
162.5°	39.1	40.0	40.0	40.5	41.9	42.4	42.9	42.4	41.9	41.0	40.5
165°	40.5	41.5	41.5	41.5	42.4	42.9	43.4	42.9	42.9	41.9	41.5
167.5°	41.9	42.9	42.9	42.4	42.9	43.4	43.8	43.4	43.4	42.9	41.9
170°	43.4	44.3	44.3	43.4	43.8	43.8	44.3	43.8	43.8	42.9	42.4
172.5°	44.3	45.3	44.8	44.3	44.3	44.3	44.3	43.8	43.4	42.4	42.4
175°	44.8	45.8	45.8	44.8	44.3	44.3	44.8	43.8	43.4	42.9	41.9
177.5°	44.8	45.8	45.8	44.8	44.8	44.3	44.8	44.3	44.3	43.4	42.4
180°	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9	521.9
2.5°	520.0	519.5	516.6	520.0	520.0	519.0	522.8	522.4	521.9	520.9
5°	518.1	517.6	514.7	518.1	518.1	517.6	521.4	521.9	522.4	521.4
7.5°	515.2	514.7	511.9	515.2	515.2	514.7	519.0	519.5	520.0	518.6
10°	510.9	510.5	507.6	510.9	511.4	510.9	514.3	514.7	515.7	513.8
12.5°	505.2	505.2	502.4	505.7	506.2	505.7	509.0	510.0	510.9	508.5
15°	498.1	498.5	496.2	499.5	500.0	500.0	503.3	503.8	505.2	501.9
17.5°	489.5	490.4	488.5	491.9	492.3	492.8	494.7	496.2	497.6	493.8
20°	480.4	480.9	479.5	482.3	483.3	482.8	485.2	487.1	488.5	484.7
22.5°	469.5	469.9	468.5	471.4	472.3	472.8	474.7	477.1	478.0	474.7
25°	457.1	459.0	458.0	460.9	461.8	461.8	463.7	466.1	467.6	462.8
27.5°	445.2	447.5	446.6	449.4	450.4	450.9	451.8	454.7	456.1	451.8
30°	431.8	434.7	434.2	437.1	438.0	437.5	439.4	442.3	444.2	439.4
32.5°	417.0	420.8	420.4	424.2	425.1	425.6	427.0	430.9	432.8	428.5
35°	402.7	407.0	407.5	411.8	413.2	413.7	415.6	419.4	421.3	417.0
37.5°	388.0	393.7	395.1	399.4	400.8	401.3	403.2	407.5	409.4	405.1
40°	373.7	380.3	382.2	386.1	387.5	388.9	390.3	394.6	397.0	392.7
42.5°	359.4	366.5	368.9	372.7	374.1	375.6	377.5	382.2	384.2	380.3
45°	344.6	352.2	355.1	358.9	360.8	362.2	364.1	368.4	370.8	367.0
47.5°	329.8	337.4	340.3	344.6	346.5	348.4	349.8	355.1	357.5	353.6
50°	314.1	322.7	326.0	329.8	332.7	334.1	336.0	340.8	343.2	339.8
52.5°	298.4	307.4	311.2	315.0	317.9	320.3	321.2	326.5	328.9	325.5
55°	282.2	291.2	295.5	299.8	302.6	305.5	306.5	311.7	314.1	309.3
57.5°	266.0	275.5	279.8	284.5	286.9	290.3	291.7	296.5	298.8	295.5
60°	249.7	258.8	264.0	268.3	271.7	274.5	275.5	280.7	283.1	278.8
62.5°	233.1	242.6	247.8	252.6	255.5	258.8	260.2	265.0	266.9	262.6
65°	215.9	225.4	231.2	235.4	239.3	242.1	243.1	248.3	250.2	245.9
67.5°	198.7	208.3	214.5	219.2	222.6	225.9	226.9	232.1	234.0	230.7
70°	182.1	191.6	197.8	203.5	205.9	209.2	210.7	215.4	217.3	214.5
72.5°	165.4	174.9	181.6	187.3	189.7	193.0	194.9	198.7	201.6	199.2
75°	149.2	158.7	165.4	171.1	173.5	176.8	178.7	182.5	184.4	182.5
77.5°	133.5	143.0	149.2	154.9	157.8	160.6	162.5	166.3	168.7	166.8
80°	118.2	127.7	133.9	139.2	142.0	144.9	146.8	151.1	153.0	151.6
82.5°	103.9	113.0	119.6	124.9	127.7	130.6	132.5	136.3	138.7	136.8
85°	91.0	100.1	106.3	111.5	113.9	116.8	118.7	122.5	124.4	123.4
87.5°	78.6	86.7	93.9	99.1	101.5	104.4	106.8	109.6	112.0	110.6
90°	69.1	76.3	82.9	88.2	91.0	93.9	96.8	99.6	101.5	100.6
92.5°	69.6	76.3	82.5	87.2	90.1	92.9	95.8	99.1	100.6	99.6
95°	69.6	76.3	82.5	87.2	90.1	92.9	95.8	99.1	100.6	99.6
97.5°	69.6	76.3	82.5	87.2	90.1	92.9	95.8	99.1	100.6	99.1
100°	69.6	76.3	82.5	87.2	90.1	92.5	95.3	98.7	100.1	99.1
102.5°	69.6	76.3	82.0	86.7	89.6	92.0	94.8	98.2	99.6	98.7
105°	69.6	75.8	82.0	86.3	89.1	91.5	94.4	97.2	98.7	97.7
107.5°	69.1	75.3	81.0	85.8	88.2	90.6	93.4	96.3	97.7	96.8
110°	69.1	74.8	80.5	84.8	87.2	89.6	92.5	95.3	96.8	95.8



TEST NUMBER: P893290
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	68.6	74.4	80.1	83.9	86.3	88.7	91.0	94.4	95.8	94.8
115°	68.2	73.9	79.1	82.9	85.3	87.2	90.1	93.4	94.4	93.9
117.5°	67.7	72.9	78.2	82.0	84.4	86.3	88.7	91.5	92.9	92.5
120°	67.2	72.0	77.2	80.5	82.9	84.8	86.7	89.6	91.0	90.1
122.5°	66.2	71.0	76.3	79.6	81.5	83.4	85.3	87.7	89.1	88.7
125°	65.3	70.1	74.8	78.2	80.1	81.5	83.4	85.8	86.7	86.3
127.5°	64.3	69.1	73.4	76.3	78.6	80.1	81.5	83.9	84.8	84.4
130°	63.4	67.7	72.0	74.8	76.7	78.2	79.6	82.0	82.5	82.5
132.5°	62.4	66.2	70.5	73.4	75.3	76.3	77.7	79.6	80.5	80.1
135°	61.5	64.8	69.1	71.5	72.9	74.4	75.8	77.7	78.2	78.2
137.5°	60.1	63.4	67.2	69.6	71.0	72.0	73.4	75.3	75.8	75.8
140°	58.6	62.0	65.3	67.2	69.1	70.1	71.0	72.9	73.4	73.4
142.5°	57.2	60.1	63.4	65.3	67.2	67.7	69.1	70.5	71.0	71.0
145°	55.3	58.6	61.5	63.4	64.8	65.3	66.7	68.2	68.2	68.6
147.5°	52.9	55.8	59.6	61.0	62.4	62.9	64.3	65.3	65.8	65.8
150°	50.5	53.4	56.7	59.1	60.5	61.0	61.5	62.9	62.9	63.4
152.5°	48.1	50.5	53.9	56.2	58.1	58.6	59.1	60.1	60.1	60.5
155°	45.8	47.7	50.5	52.9	54.8	55.8	56.7	57.7	57.7	58.1
157.5°	43.8	45.8	48.1	50.0	51.5	52.9	54.3	55.3	55.3	55.3
160°	41.5	42.9	45.3	46.7	48.6	49.6	52.0	52.9	52.9	53.4
162.5°	40.0	40.5	41.9	43.4	44.8	45.8	48.1	50.5	50.5	51.0
165°	40.5	40.0	40.5	41.0	41.9	42.4	43.8	47.2	48.1	48.6
167.5°	41.5	40.0	40.0	40.0	41.0	41.0	42.4	44.3	47.7	46.7
170°	41.5	40.0	39.1	39.1	39.6	39.1	40.0	41.5	43.4	45.3
172.5°	41.9	40.5	39.1	37.2	37.7	37.2	36.2	36.2	36.7	42.9
175°	41.5	40.5	38.6	36.2	35.7	34.3	31.5	29.1	27.6	21.4
177.5°	41.0	39.6	38.1	36.2	35.3	33.8	30.5	26.7	22.9	21.9
180°	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1	39.1



TEST NUMBER: P893290
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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	12.24	13.56	12.86	14.19	14.91	14.79	16.11	15.41	16.75	17.47
	3H	13.65	14.85	14.27	15.49	16.25	17.22	18.42	17.85	19.06	19.82
	4H	14.07	15.21	14.72	15.87	16.64	18.36	19.50	19.01	20.15	20.92
	6H	14.31	15.37	14.97	16.03	16.82	19.50	20.56	20.16	21.22	22.01
	8H	14.35	15.37	15.03	16.05	16.84	20.06	21.07	20.73	21.76	22.54
	12H	14.37	15.33	15.04	16.01	16.83	20.64	21.61	21.32	22.29	23.11
4H	2H	13.13	14.27	13.78	14.92	15.69	15.14	16.28	15.79	16.93	17.70
	3H	14.75	15.72	15.42	16.41	17.20	17.77	18.74	18.44	19.43	20.22
	4H	15.31	16.19	15.99	16.89	17.71	19.06	19.95	19.74	20.64	21.46
	6H	15.65	16.43	16.35	17.15	17.98	20.37	21.15	21.07	21.87	22.70
	8H	15.72	16.46	16.43	17.18	18.02	21.03	21.76	21.73	22.48	23.32
	12H	15.76	16.42	16.48	17.16	18.01	21.73	22.40	22.46	23.14	23.99
8H	4H	15.96	16.69	16.66	17.41	18.25	19.22	19.95	19.92	20.67	21.51
	6H	16.46	17.08	17.20	17.84	18.68	20.67	21.29	21.40	22.05	22.89
	8H	16.62	17.17	17.36	17.94	18.79	21.45	22.01	22.19	22.77	23.62
	12H	16.71	17.20	17.46	17.96	18.87	22.31	22.81	23.06	23.56	24.48
12H	4H	16.12	16.79	16.85	17.53	18.38	19.21	19.87	19.93	20.61	21.46
	6H	16.72	17.28	17.47	18.04	18.90	20.69	21.24	21.43	22.01	22.86
	8H	16.95	17.45	17.70	18.20	19.12	21.52	22.01	22.27	22.77	23.68