

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: P893407

Luminaire Tested: 4MB-3SL-FLTU-UNV-L940

Issue Date: 11/11/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P893407  
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-3SL-FLTU-UNV-L940  
Description: 3000 Lumen 4FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 400  
Light Source: -  
Ballast/Driver: -

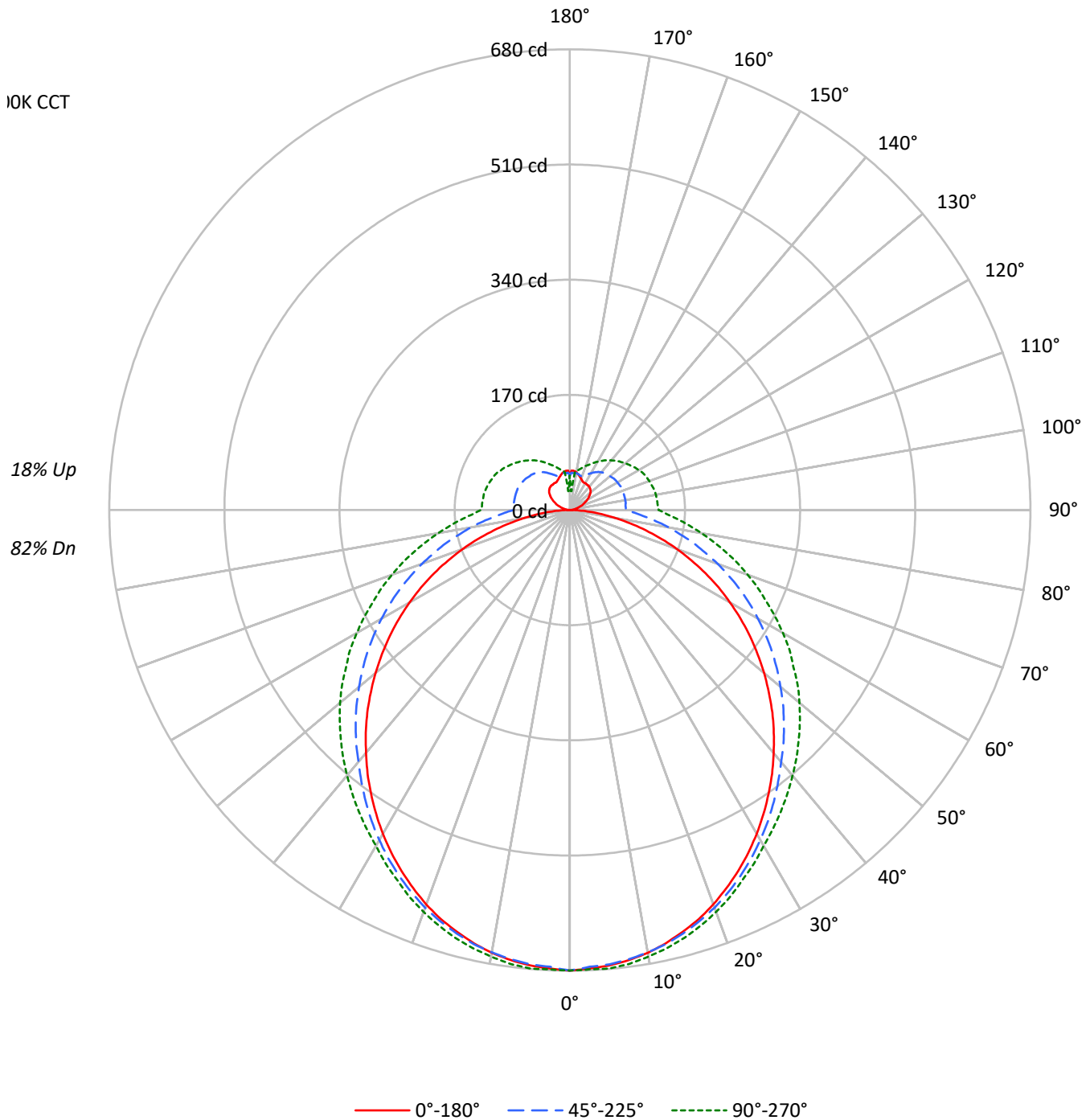
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2570.0 lumens  
Efficiency: N/A  
Efficacy: 121.8 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): 21.1  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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-FLTU-UNV-L940

### 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°	4837	4837	4837
5°	4798	4635	4629
10°	4751	4456	4410
15°	4681	4278	4199
20°	4604	4096	3986
25°	4505	3906	3769
30°	4401	3712	3572
35°	4287	3517	3410
40°	4165	3325	3255
45°	4043	3157	3107
50°	3901	2984	2964
55°	3748	2814	2804
60°	3564	2632	2652
65°	3345	2440	2479
70°	3059	2230	2320
75°	2670	2015	2147
80°	2158	1785	1969
85°	1491	1550	1807

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4043 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.3	2.5
10°-20°	183.4	7.1
20°-30°	275.5	10.7
30°-40°	330.8	12.9
40°-50°	347.8	13.5
50°-60°	326.8	12.7
60°-70°	271.7	10.6
70°-80°	193.9	7.5
80°-90°	115.4	4.5
90°-100°	83.5	3.3
100°-110°	82.4	3.2
110°-120°	77.4	3.0
120°-130°	68.6	2.7
130°-140°	56.9	2.2
140°-150°	42.6	1.7
150°-160°	28.0	1.1
160°-170°	15.9	0.6
170°-180°	5.1	0.2
0°-30°	523.1	20.4
0°-40°	853.9	33.2
0°-60°	1528.5	59.5
0°-90°	2109.6	82.1
90°-120°	243.4	9.5
90°-150°	411.5	16.0
90°-180°	460.0	17.9
0°-180°	2570.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	680	680	680	680	680	
5°	675	683	673	675	679	64
15°	644	654	647	651	654	182
25°	588	599	596	602	603	271
35°	512	523	525	538	543	320
45°	423	435	447	470	478	326
55°	325	338	364	394	403	290
65°	221	239	277	312	320	219
75°	116	142	189	226	238	123
85°	29	64	111	148	161	32
90°	0	37	83	119	131	2
95°	3	38	83	117	130	4
105°	12	43	83	116	127	13
115°	23	47	83	111	122	23
125°	35	50	80	104	112	31
135°	43	52	76	95	102	33
145°	45	51	68	84	89	28
155°	46	52	58	71	76	21
165°	53	56	54	55	63	15
175°	58	58	55	47	28	5
180°	51	51	51	51	51	



TEST NUMBER: P893407  
 CATALOG NUMBER: 4MB-3SL-FLTU-UNV-L940

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8
2.5°	677.3	679.2	679.8	686.0	683.5	686.0	681.7	676.7	675.5	678.6	674.8
5°	674.8	676.7	677.3	683.5	681.1	682.9	679.2	674.2	673.0	676.7	673.0
7.5°	669.9	671.7	672.4	679.2	676.1	678.6	674.2	669.3	668.6	672.4	668.6
10°	663.7	665.5	666.2	672.4	669.9	672.4	668.0	663.0	662.4	666.8	663.0
12.5°	655.0	656.8	658.1	664.3	661.2	664.3	659.3	654.4	655.0	658.7	656.2
15°	644.4	646.9	647.5	653.7	651.3	654.4	649.4	644.4	645.7	649.4	646.9
17.5°	633.2	635.7	636.4	641.9	639.5	643.2	637.6	633.2	634.5	638.2	636.4
20°	619.6	622.1	623.3	628.9	626.4	630.1	624.6	620.8	622.1	626.4	624.6
22.5°	604.1	607.8	608.4	614.6	611.5	615.2	609.7	606.6	608.4	612.8	610.9
25°	587.9	591.7	592.3	598.5	596.0	599.1	593.5	590.4	592.9	597.2	596.0
27.5°	570.5	574.3	575.5	581.1	578.6	582.3	576.1	574.3	576.8	581.1	579.9
30°	551.9	555.6	556.3	561.9	560.0	563.7	558.1	555.6	559.4	563.7	562.5
32.5°	532.1	535.8	537.6	542.6	540.7	543.8	538.9	537.6	540.7	545.1	544.5
35°	511.6	515.3	517.2	522.7	520.3	523.4	518.4	517.2	522.1	525.2	525.2
37.5°	490.5	494.2	496.0	501.6	498.5	502.3	497.3	496.7	502.3	505.4	505.4
40°	468.1	472.5	474.3	479.3	476.8	479.9	475.6	476.2	481.1	484.9	485.5
42.5°	445.8	450.1	452.0	457.6	454.4	457.6	453.8	454.4	460.0	463.8	466.9
45°	422.8	426.5	428.4	434.6	430.9	434.6	430.9	432.1	437.7	443.3	447.0
47.5°	398.6	402.3	405.4	410.4	407.3	410.4	407.9	409.7	416.6	422.2	427.1
50°	374.4	378.1	381.2	385.5	382.4	386.8	383.7	386.2	394.8	400.4	406.0
52.5°	349.5	352.6	357.6	360.1	357.6	362.6	360.1	363.8	372.5	379.3	385.5
55°	324.7	327.8	332.8	334.6	332.1	337.7	335.9	340.8	350.1	357.6	364.4
57.5°	299.2	302.3	306.7	308.6	306.7	312.9	312.3	317.9	327.2	335.2	342.7
60°	273.2	276.3	280.0	281.9	281.9	288.1	288.1	294.9	304.8	312.3	321.0
62.5°	247.7	249.6	253.3	255.8	257.6	263.9	263.9	271.3	281.9	290.5	299.2
65°	221.0	222.9	226.0	229.1	232.2	239.0	239.6	247.7	258.3	267.0	276.9
67.5°	194.3	196.2	199.3	203.0	207.4	214.2	215.4	224.1	235.3	245.2	254.5
70°	168.2	168.9	172.6	177.6	182.5	189.4	191.2	200.5	212.3	222.3	232.2
72.5°	142.2	142.8	146.5	152.7	158.3	165.8	168.2	178.2	190.0	199.9	209.8
75°	116.1	116.7	121.7	129.1	135.3	142.2	145.3	155.8	167.6	178.2	189.4
77.5°	91.3	92.5	97.5	104.9	112.4	120.4	123.5	134.1	147.1	157.1	167.6
80°	68.3	69.5	75.1	83.2	91.3	98.7	102.4	113.0	126.6	136.6	148.4
82.5°	47.2	49.0	55.9	64.6	72.6	80.7	84.4	94.4	106.8	118.0	129.1
85°	29.2	31.7	38.5	47.8	56.5	63.9	67.7	78.2	90.0	100.6	111.1
87.5°	13.7	17.4	24.2	33.5	42.8	49.0	53.4	63.9	75.1	85.7	96.2
90°	0.0	5.6	12.4	21.7	31.0	36.6	41.6	51.5	62.7	72.6	82.6
92.5°	1.2	6.2	13.7	22.3	31.7	37.2	42.2	52.1	62.7	72.6	82.6
95°	3.1	6.8	14.3	23.6	32.9	38.5	42.8	52.8	63.3	73.3	82.6
97.5°	5.6	8.7	16.1	24.8	34.1	39.1	44.1	54.0	63.9	73.9	83.2
100°	7.4	9.9	17.4	26.1	35.4	40.4	45.3	54.6	64.6	74.5	83.2
102.5°	9.3	12.4	19.2	27.3	36.6	41.6	45.9	55.3	65.2	74.5	83.2
105°	11.8	14.3	20.5	29.2	37.9	42.8	47.2	56.5	65.8	75.1	83.2
107.5°	14.3	16.1	22.3	30.4	39.1	43.5	47.8	57.1	66.4	75.1	83.2
110°	17.4	18.6	24.2	31.7	39.7	44.7	49.0	57.7	66.4	75.1	83.2



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**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	20.5	20.5	26.1	32.9	41.0	45.3	49.7	58.4	67.0	75.1	83.2
115°	23.0	23.6	27.9	34.1	42.2	46.6	50.3	58.4	67.0	75.1	82.6
117.5°	26.1	26.1	30.4	35.4	42.8	47.2	51.5	59.0	67.0	74.5	81.9
120°	29.2	28.6	32.3	37.2	44.1	47.8	52.1	59.6	67.0	74.5	81.3
122.5°	32.3	31.0	33.5	38.5	44.7	49.0	52.1	59.6	67.0	73.9	80.7
125°	34.8	33.5	35.4	40.4	45.9	49.7	52.8	59.6	67.0	73.3	80.1
127.5°	37.2	36.0	37.9	41.6	46.6	49.7	53.4	59.6	67.0	72.6	78.8
130°	39.7	37.9	40.4	42.8	47.8	50.3	53.4	59.6	66.4	72.0	77.6
132.5°	41.6	39.7	42.2	44.1	48.4	50.9	54.0	59.6	65.8	71.4	77.0
135°	42.8	41.0	44.1	45.3	49.7	52.1	54.6	59.6	65.2	70.8	75.7
137.5°	44.1	41.6	45.3	46.6	50.3	52.8	54.6	59.0	64.6	69.5	74.5
140°	44.7	42.8	46.6	47.8	49.7	52.1	54.6	58.4	63.3	68.3	72.6
142.5°	45.3	42.8	47.2	48.4	49.7	51.5	54.0	57.1	62.1	66.4	70.8
145°	45.3	43.5	47.2	48.4	49.7	50.9	52.8	56.5	60.2	63.9	68.3
147.5°	45.3	44.1	47.8	49.0	50.3	50.3	51.5	55.3	58.4	62.1	65.8
150°	45.9	44.1	47.8	49.0	50.9	50.9	51.5	53.4	57.1	59.6	62.7
152.5°	45.3	44.7	47.2	49.7	50.9	51.5	51.5	52.1	55.3	57.7	60.2
155°	45.9	45.9	47.8	50.9	51.5	51.5	52.1	51.5	52.8	55.3	57.7
157.5°	47.2	48.4	48.4	51.5	52.8	52.8	53.4	52.8	52.1	52.8	55.3
160°	49.0	50.3	50.3	52.1	54.0	54.0	54.6	54.0	53.4	52.8	52.8
162.5°	50.9	52.1	52.1	52.8	54.6	55.3	55.9	55.3	54.6	53.4	52.8
165°	52.8	54.0	54.0	54.0	55.3	55.9	56.5	55.9	55.9	54.6	54.0
167.5°	54.6	55.9	55.9	55.3	55.9	56.5	57.1	56.5	56.5	55.9	54.6
170°	56.5	57.7	57.7	56.5	57.1	57.1	57.7	57.1	57.1	55.9	55.3
172.5°	57.7	59.0	58.4	57.7	57.7	57.7	57.7	57.1	56.5	55.3	55.3
175°	58.4	59.6	59.6	58.4	57.7	57.7	58.4	57.1	56.5	55.9	54.6
177.5°	58.4	59.6	59.6	58.4	58.4	57.7	58.4	57.7	57.7	56.5	55.3
180°	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8	679.8
2.5°	677.3	676.7	673.0	677.3	677.3	676.1	681.1	680.4	679.8	678.6
5°	674.8	674.2	670.5	674.8	674.8	674.2	679.2	679.8	680.4	679.2
7.5°	671.1	670.5	666.8	671.1	671.1	670.5	676.1	676.7	677.3	675.5
10°	665.5	664.9	661.2	665.5	666.2	665.5	669.9	670.5	671.7	669.3
12.5°	658.1	658.1	654.4	658.7	659.3	658.7	663.0	664.3	665.5	662.4
15°	648.8	649.4	646.3	650.6	651.3	651.3	655.6	656.2	658.1	653.7
17.5°	637.6	638.8	636.4	640.7	641.3	641.9	644.4	646.3	648.1	643.2
20°	625.8	626.4	624.6	628.3	629.5	628.9	632.0	634.5	636.4	631.4
22.5°	611.5	612.1	610.3	614.0	615.2	615.9	618.3	621.5	622.7	618.3
25°	595.4	597.9	596.6	600.3	601.6	601.6	604.1	607.2	609.0	602.8
27.5°	579.9	583.0	581.7	585.4	586.7	587.3	588.5	592.3	594.1	588.5
30°	562.5	566.2	565.6	569.3	570.5	569.9	572.4	576.1	578.6	572.4
32.5°	543.2	548.2	547.6	552.5	553.8	554.4	556.3	561.2	563.7	558.1
35°	524.6	530.2	530.8	536.4	538.3	538.9	541.4	546.3	548.8	543.2
37.5°	505.4	512.8	514.7	520.3	522.1	522.7	525.2	530.8	533.3	527.7
40°	486.7	495.4	497.9	502.9	504.7	506.6	508.5	514.0	517.2	511.6
42.5°	468.1	477.4	480.5	485.5	487.4	489.2	491.7	497.9	500.4	495.4
45°	448.9	458.8	462.5	467.5	470.0	471.8	474.3	479.9	483.0	478.0
47.5°	429.6	439.5	443.3	448.9	451.3	453.8	455.7	462.5	465.6	460.7
50°	409.1	420.3	424.6	429.6	433.3	435.2	437.7	443.9	447.0	442.7
52.5°	388.6	400.4	405.4	410.4	414.1	417.2	418.4	425.3	428.4	424.0
55°	367.5	379.3	384.9	390.5	394.2	398.0	399.2	406.0	409.1	402.9
57.5°	346.4	358.8	364.4	370.6	373.7	378.1	379.9	386.2	389.3	384.9
60°	325.3	337.1	343.9	349.5	353.9	357.6	358.8	365.7	368.8	363.2
62.5°	303.6	316.0	322.8	329.0	332.8	337.1	339.0	345.2	347.7	342.1
65°	281.2	293.7	301.1	306.7	311.7	315.4	316.6	323.5	325.9	320.3
67.5°	258.9	271.3	279.4	285.6	289.9	294.3	295.5	302.3	304.8	300.5
70°	237.2	249.6	257.6	265.1	268.2	272.5	274.4	280.6	283.1	279.4
72.5°	215.4	227.8	236.5	244.0	247.1	251.4	253.9	258.9	262.6	259.5
75°	194.3	206.7	215.4	222.9	226.0	230.3	232.8	237.8	240.3	237.8
77.5°	173.8	186.2	194.3	201.8	205.5	209.2	211.7	216.7	219.8	217.3
80°	154.0	166.4	174.5	181.3	185.0	188.7	191.2	196.8	199.3	197.4
82.5°	135.3	147.1	155.8	162.7	166.4	170.1	172.6	177.6	180.7	178.2
85°	118.6	130.4	138.4	145.3	148.4	152.1	154.6	159.6	162.0	160.8
87.5°	102.4	113.0	122.3	129.1	132.2	136.0	139.1	142.8	145.9	144.0
90°	90.0	99.3	108.0	114.9	118.6	122.3	126.0	129.8	132.2	131.0
92.5°	90.6	99.3	107.4	113.6	117.3	121.1	124.8	129.1	131.0	129.8
95°	90.6	99.3	107.4	113.6	117.3	121.1	124.8	129.1	131.0	129.8
97.5°	90.6	99.3	107.4	113.6	117.3	121.1	124.8	129.1	131.0	129.1
100°	90.6	99.3	107.4	113.6	117.3	120.4	124.2	128.5	130.4	129.1
102.5°	90.6	99.3	106.8	113.0	116.7	119.8	123.5	127.9	129.8	128.5
105°	90.6	98.7	106.8	112.4	116.1	119.2	122.9	126.6	128.5	127.3
107.5°	90.0	98.1	105.5	111.7	114.9	118.0	121.7	125.4	127.3	126.0
110°	90.0	97.5	104.9	110.5	113.6	116.7	120.4	124.2	126.0	124.8





TEST NUMBER: P893407  
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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	89.4	96.8	104.3	109.3	112.4	115.5	118.6	122.9	124.8	123.5
115°	88.8	96.2	103.1	108.0	111.1	113.6	117.3	121.7	122.9	122.3
117.5°	88.2	95.0	101.8	106.8	109.9	112.4	115.5	119.2	121.1	120.4
120°	87.5	93.7	100.6	104.9	108.0	110.5	113.0	116.7	118.6	117.3
122.5°	86.3	92.5	99.3	103.7	106.2	108.6	111.1	114.2	116.1	115.5
125°	85.1	91.3	97.5	101.8	104.3	106.2	108.6	111.7	113.0	112.4
127.5°	83.8	90.0	95.6	99.3	102.4	104.3	106.2	109.3	110.5	109.9
130°	82.6	88.2	93.7	97.5	100.0	101.8	103.7	106.8	107.4	107.4
132.5°	81.3	86.3	91.9	95.6	98.1	99.3	101.2	103.7	104.9	104.3
135°	80.1	84.4	90.0	93.1	95.0	96.8	98.7	101.2	101.8	101.8
137.5°	78.2	82.6	87.5	90.6	92.5	93.7	95.6	98.1	98.7	98.7
140°	76.4	80.7	85.1	87.5	90.0	91.3	92.5	95.0	95.6	95.6
142.5°	74.5	78.2	82.6	85.1	87.5	88.2	90.0	91.9	92.5	92.5
145°	72.0	76.4	80.1	82.6	84.4	85.1	86.9	88.8	88.8	89.4
147.5°	68.9	72.6	77.6	79.5	81.3	81.9	83.8	85.1	85.7	85.7
150°	65.8	69.5	73.9	77.0	78.8	79.5	80.1	81.9	81.9	82.6
152.5°	62.7	65.8	70.2	73.3	75.7	76.4	77.0	78.2	78.2	78.8
155°	59.6	62.1	65.8	68.9	71.4	72.6	73.9	75.1	75.1	75.7
157.5°	57.1	59.6	62.7	65.2	67.0	68.9	70.8	72.0	72.0	72.0
160°	54.0	55.9	59.0	60.8	63.3	64.6	67.7	68.9	68.9	69.5
162.5°	52.1	52.8	54.6	56.5	58.4	59.6	62.7	65.8	65.8	66.4
165°	52.8	52.1	52.8	53.4	54.6	55.3	57.1	61.5	62.7	63.3
167.5°	54.0	52.1	52.1	52.1	53.4	53.4	55.3	57.7	62.1	60.8
170°	54.0	52.1	50.9	50.9	51.5	50.9	52.1	54.0	56.5	59.0
172.5°	54.6	52.8	50.9	48.4	49.0	48.4	47.2	47.2	47.8	55.9
175°	54.0	52.8	50.3	47.2	46.6	44.7	41.0	37.9	36.0	27.9
177.5°	53.4	51.5	49.7	47.2	45.9	44.1	39.7	34.8	29.8	28.6
180°	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9



TEST NUMBER: P893407  
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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	13.16	14.48	13.78	15.11	15.83	15.71	17.03	16.33	17.66	18.38
	3H	14.57	15.77	15.19	16.41	17.16	18.14	19.34	18.77	19.98	20.74
	4H	14.99	16.13	15.64	16.79	17.56	19.28	20.42	19.93	21.07	21.84
	6H	15.23	16.29	15.89	16.95	17.74	20.42	21.47	21.08	22.14	22.92
	8H	15.27	16.29	15.95	16.97	17.76	20.98	21.99	21.65	22.67	23.46
	12H	15.28	16.25	15.96	16.93	17.75	21.56	22.53	22.24	23.21	24.03
4H	2H	14.05	15.19	14.70	15.84	16.61	16.06	17.20	16.71	17.85	18.62
	3H	15.67	16.64	16.34	17.33	18.12	18.69	19.66	19.35	20.35	21.14
	4H	16.23	17.11	16.91	17.81	18.63	19.98	20.87	20.66	21.56	22.38
	6H	16.57	17.35	17.27	18.07	18.89	21.29	22.07	21.99	22.79	23.62
	8H	16.64	17.38	17.35	18.09	18.93	21.95	22.68	22.65	23.40	24.24
	12H	16.67	17.34	17.40	18.08	18.93	22.65	23.32	23.38	24.06	24.90
8H	4H	16.88	17.61	17.58	18.33	19.17	20.13	20.87	20.84	21.58	22.42
	6H	17.38	18.00	18.12	18.76	19.60	21.59	22.21	22.32	22.97	23.81
	8H	17.54	18.09	18.28	18.85	19.71	22.37	22.92	23.11	23.69	24.54
	12H	17.63	18.12	18.38	18.87	19.79	23.23	23.72	23.98	24.48	25.39
12H	4H	17.04	17.71	17.77	18.45	19.29	20.12	20.79	20.85	21.53	22.38
	6H	17.64	18.20	18.38	18.96	19.81	21.61	22.16	22.35	22.92	23.78
	8H	17.87	18.37	18.62	19.12	20.04	22.44	22.93	23.19	23.69	24.60