

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: P893443

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

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P893443
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: 4MB-3SL-RND-UNV-L840
Description: 3000 Lumen 4FT MICROBAY LINEAR BAY with ROUND FROSTED LENS, 80CRI, 4000K CCT
Light Source: -
Ballast/Driver: -

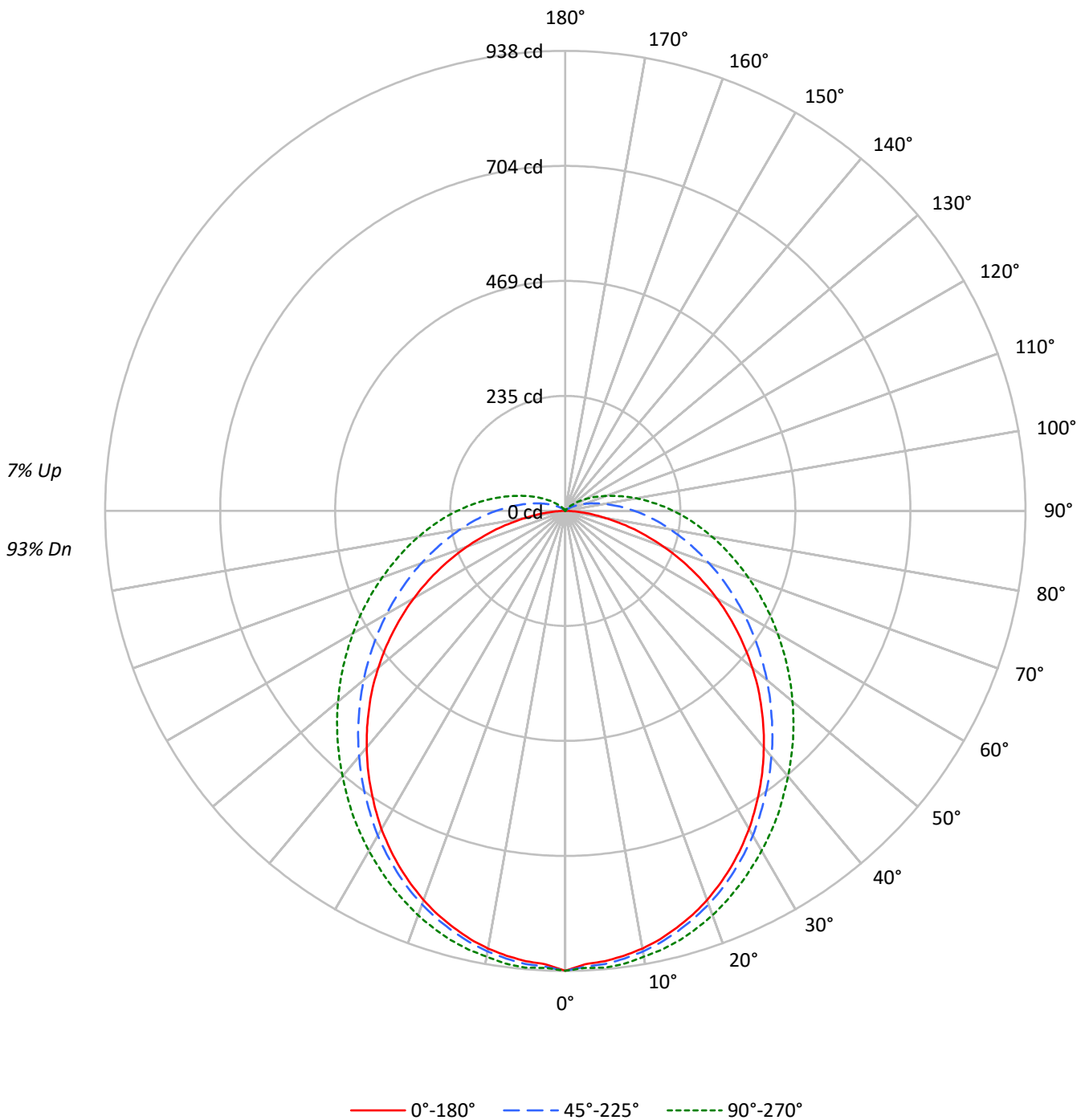
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3104.0 lumens
Efficiency: N/A
Efficacy: 147.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.27 / 1.35
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-RND-UNV-L840

Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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°	6671	6671	6671
5°	6582	6624	6676
10°	6546	6589	6668
15°	6480	6534	6669
20°	6394	6466	6644
25°	6284	6376	6606
30°	6154	6281	6576
35°	6003	6169	6564
40°	5847	6072	6562
45°	5684	5987	6607
50°	5506	5936	6691
55°	5305	5924	6854
60°	5074	5982	7109
65°	4793	6138	7534
70°	4441	6486	8257
75°	4014	7222	9580
80°	3397	8899	12444
85°	2751	14490	21323

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
 Vertical Angle: 87.5°
 Luminance: 39246 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.7	2.9
10°-20°	252.6	8.1
20°-30°	378.3	12.2
30°-40°	451.1	14.5
40°-50°	467.8	15.1
50°-60°	434.0	14.0
60°-70°	362.1	11.7
70°-80°	270.0	8.7
80°-90°	179.7	5.8
90°-100°	109.4	3.5
100°-110°	61.1	2.0
110°-120°	30.5	1.0
120°-130°	12.8	0.4
130°-140°	4.0	0.1
140°-150°	1.0	0.0
150°-160°	0.4	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-30°	719.6	23.2
0°-40°	1170.7	37.7
0°-60°	2072.6	66.8
0°-90°	2884.3	92.9
90°-120°	201.0	6.5
90°-150°	218.8	7.0
90°-180°	220.0	7.1
0°-180°	3104.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	938	938	938	938	938	
5°	922	943	927	932	935	87
15°	880	902	887	903	905	248
25°	800	822	812	835	842	369
35°	691	710	710	745	756	432
45°	565	580	595	642	657	436
55°	428	442	478	533	552	382
65°	285	307	365	426	448	282
75°	146	186	263	326	348	154
85°	34	92	178	238	261	38
90°	2	61	141	199	220	3
95°	0	37	109	163	182	0
105°	0	12	59	100	116	0
115°	1	3	28	56	68	1
125°	1	1	11	27	34	1
135°	1	1	3	10	12	1
145°	1	1	1	2	3	0
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: P893443
 CATALOG NUMBER: 4MB-3SL-RND-UNV-L840

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	937.6	937.6	937.6	937.6	937.6	937.6	937.6	937.6	937.6	937.6	937.6
2.5°	925.2	926.6	939.8	939.1	936.9	945.7	947.9	940.6	928.8	940.6	930.3
5°	921.5	923.0	936.2	935.4	933.2	942.8	943.5	936.9	925.2	936.9	927.4
7.5°	914.9	916.4	929.6	928.8	927.4	936.9	936.2	931.0	918.6	931.0	920.8
10°	906.1	906.8	920.8	919.3	918.6	928.1	925.9	921.5	909.0	921.5	912.0
12.5°	894.4	895.1	909.0	907.6	907.6	916.4	913.4	909.8	897.3	909.0	901.0
15°	879.7	880.4	893.6	892.9	892.9	902.4	898.0	895.1	883.3	895.8	887.0
17.5°	863.5	862.8	876.7	875.3	876.7	885.5	879.7	878.2	867.2	878.9	871.6
20°	844.5	844.5	856.9	856.2	858.4	866.5	859.1	859.9	848.9	861.3	854.0
22.5°	823.2	822.5	834.9	834.9	837.1	845.2	837.1	839.3	828.3	840.1	834.2
25°	800.4	799.0	811.4	811.4	815.1	821.7	812.9	815.8	805.6	817.3	812.2
27.5°	775.5	773.3	785.8	786.5	789.4	796.0	786.5	790.9	781.4	792.4	788.7
30°	749.1	746.9	759.4	760.1	763.8	768.9	759.4	765.2	756.4	767.4	764.5
32.5°	720.5	719.0	730.7	732.2	735.9	739.5	730.7	736.6	729.3	740.3	737.3
35°	691.1	689.7	700.7	702.9	706.5	709.5	699.9	708.0	701.4	711.7	710.2
37.5°	661.0	658.8	670.6	672.0	676.4	677.9	669.1	678.6	672.8	683.1	682.3
40°	629.5	627.3	639.0	640.5	644.9	644.9	637.6	647.8	643.4	653.0	653.7
42.5°	597.9	595.7	606.0	609.0	612.6	612.6	605.3	616.3	613.4	622.9	625.1
45°	564.9	562.7	572.3	575.2	579.6	579.6	572.3	584.7	582.5	592.1	595.0
47.5°	532.6	529.7	538.5	541.5	545.9	545.1	539.3	551.7	551.0	560.5	565.7
50°	497.4	495.2	504.0	507.0	512.1	510.6	506.2	519.4	519.4	529.0	536.3
52.5°	462.9	460.7	469.6	472.5	476.9	476.9	472.5	486.4	488.6	498.2	507.0
55°	427.7	424.8	433.6	436.5	441.7	442.4	438.7	452.7	457.1	468.1	477.6
57.5°	392.5	391.0	398.4	401.3	407.9	407.9	405.7	420.4	426.3	438.0	449.0
60°	356.6	355.1	361.7	365.4	372.7	374.2	372.7	388.1	396.2	407.9	420.4
62.5°	320.6	319.1	325.8	330.9	339.0	340.4	341.2	357.3	366.1	378.6	392.5
65°	284.7	283.2	289.8	295.7	305.2	307.4	309.6	326.5	336.8	350.0	364.6
67.5°	248.7	248.0	254.6	261.9	272.2	275.1	278.8	296.4	308.1	322.1	338.2
70°	213.5	212.8	219.4	228.2	240.6	244.3	248.7	266.3	281.0	295.7	311.8
72.5°	178.3	179.0	186.4	196.6	210.6	214.2	220.1	238.4	254.6	270.0	286.9
75°	146.0	146.0	154.1	165.8	181.2	186.4	193.0	212.0	228.9	245.0	262.7
77.5°	113.0	113.0	122.5	137.2	154.1	159.2	167.3	187.1	205.4	221.6	239.2
80°	82.9	84.4	95.4	110.1	127.7	134.3	143.8	163.6	183.4	199.6	217.2
82.5°	56.5	58.7	70.4	87.3	104.9	111.5	121.1	142.3	162.1	179.0	197.4
85°	33.7	37.4	49.9	66.8	85.1	92.4	102.7	122.5	142.3	159.2	177.5
87.5°	15.4	20.5	33.7	50.6	68.2	76.3	85.1	104.2	124.0	140.9	159.9
90°	1.5	8.8	22.0	36.7	53.6	60.9	69.7	88.0	107.1	122.5	140.9
92.5°	0.0	3.7	13.2	26.4	41.1	48.4	56.5	74.1	91.0	106.4	124.0
95°	0.0	1.5	7.3	18.3	30.8	37.4	44.8	60.9	77.8	92.4	108.6
97.5°	0.0	0.7	4.4	12.5	22.7	28.6	35.2	49.9	65.3	79.2	93.9
100°	0.0	0.7	2.2	8.1	16.9	21.3	27.9	40.4	54.3	66.8	81.4
102.5°	0.0	0.0	1.5	5.1	12.5	16.1	21.3	32.3	44.8	56.5	69.7
105°	0.0	0.0	0.7	3.7	8.8	11.7	16.1	25.7	36.7	47.0	59.4
107.5°	0.0	0.0	0.7	2.2	5.9	8.8	12.5	19.8	29.3	38.9	49.9
110°	0.7	0.7	0.7	1.5	4.4	6.6	8.8	15.4	24.2	32.3	41.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	0.7	0.7	0.7	0.7	2.9	4.4	6.6	11.7	19.1	25.7	34.5
115°	0.7	0.7	0.7	0.7	2.2	2.9	4.4	8.8	14.7	20.5	27.9
117.5°	0.7	0.7	0.7	0.7	1.5	2.2	2.9	6.6	11.0	16.1	22.7
120°	0.7	0.7	0.7	0.7	0.7	1.5	2.2	4.4	8.8	12.5	18.3
122.5°	0.7	0.7	0.7	0.7	0.7	1.5	1.5	3.7	6.6	9.5	13.9
125°	0.7	0.7	0.7	0.7	0.7	0.7	1.5	2.2	4.4	7.3	11.0
127.5°	0.7	0.7	0.7	0.7	0.7	0.7	1.5	2.2	2.9	5.1	8.1
130°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	2.2	3.7	5.9
132.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	2.2	2.9	4.4
135°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	2.2	2.9
137.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5	2.2
140°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5	1.5
142.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.5
145°	0.7	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
147.5°	0.7	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
150°	0.7	1.5	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
152.5°	1.5	1.5	1.5	1.5	1.5	0.7	0.7	0.7	0.7	0.7	0.7
155°	1.5	1.5	1.5	1.5	1.5	1.5	0.7	0.7	0.7	0.7	0.7
157.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.7	0.7	0.7
160°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.7	0.7	0.7
162.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.7	0.7	0.7
165°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.7	0.7
167.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.7
170°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
172.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.7
175°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	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°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	937.6	937.6	937.6	937.6	937.6	937.6	937.6	937.6	937.6	937.6
2.5°	933.2	935.4	937.6	931.8	935.4	942.0	944.2	935.4	938.4	932.5
5°	930.3	931.8	934.7	927.4	932.5	938.4	942.0	934.7	939.1	934.7
7.5°	924.4	925.9	929.6	922.2	928.8	934.0	938.4	931.0	935.4	931.0
10°	915.6	917.8	923.0	914.2	922.2	926.6	931.0	923.0	927.4	923.0
12.5°	904.6	908.3	912.7	904.6	912.7	916.4	922.2	914.2	919.3	915.6
15°	891.4	895.1	901.0	892.9	903.2	906.1	912.0	903.9	909.0	905.4
17.5°	876.0	880.4	887.7	878.2	889.9	892.1	898.0	890.7	895.8	892.1
20°	858.4	862.8	870.1	861.3	873.1	874.5	881.1	874.5	879.7	877.5
22.5°	837.9	843.0	850.3	842.3	854.7	854.7	862.8	856.2	862.1	859.9
25°	816.6	822.5	830.5	821.7	834.9	834.9	843.7	837.1	843.0	841.5
27.5°	793.8	800.4	810.0	801.2	814.4	813.6	822.5	816.6	823.2	821.0
30°	769.6	777.0	786.5	779.2	793.1	791.6	800.4	795.3	801.2	800.4
32.5°	743.2	751.3	763.0	755.0	768.9	767.4	778.4	772.6	779.9	778.4
35°	716.8	725.6	737.3	730.0	745.4	743.2	754.2	749.1	756.4	755.7
37.5°	689.7	699.2	710.9	705.1	719.7	717.5	729.3	724.9	732.9	730.7
40°	661.8	671.3	683.8	678.6	694.1	691.1	703.6	699.9	708.0	706.5
42.5°	633.9	644.2	656.6	653.7	668.4	665.4	677.9	675.0	683.1	681.6
45°	605.3	616.3	629.5	626.6	642.0	639.0	651.5	649.3	657.4	656.6
47.5°	576.7	588.4	601.6	600.1	614.8	611.9	625.1	622.9	631.0	631.0
50°	547.3	560.5	573.7	573.0	587.7	584.7	596.5	596.5	605.3	604.5
52.5°	518.0	531.9	545.9	545.9	560.5	557.6	570.8	570.1	578.9	578.9
55°	490.1	502.6	516.5	519.4	533.4	529.0	542.9	544.4	551.7	552.5
57.5°	462.2	475.4	489.4	493.0	506.2	503.3	516.5	518.0	525.3	526.0
60°	434.3	446.8	460.7	465.9	479.1	476.2	489.4	490.8	498.9	499.6
62.5°	406.5	418.9	434.3	439.5	451.9	449.7	463.7	465.2	472.5	474.0
65°	379.3	392.5	407.2	414.5	426.3	423.3	437.3	438.7	446.8	447.5
67.5°	352.9	366.1	380.8	388.8	399.9	398.4	411.6	414.5	421.1	422.6
70°	327.2	340.4	355.8	363.9	374.9	374.2	386.6	388.8	396.2	396.9
72.5°	302.3	315.5	330.9	340.4	350.0	349.2	361.7	364.6	372.0	372.7
75°	278.1	292.0	306.7	316.9	326.5	325.8	338.2	341.2	347.8	348.5
77.5°	255.3	269.3	284.7	294.9	303.0	303.7	314.7	317.7	324.3	326.5
80°	234.0	247.2	261.9	272.9	280.3	281.7	292.0	295.7	300.8	303.7
82.5°	213.5	226.7	241.4	251.7	259.0	260.5	270.0	274.4	279.5	281.7
85°	193.7	206.9	220.8	231.8	238.4	239.2	248.7	253.1	257.5	261.2
87.5°	174.6	187.8	201.0	212.8	218.6	220.1	228.9	233.3	237.0	240.6
90°	155.5	168.7	182.0	193.0	198.8	199.6	209.1	213.5	217.2	220.1
92.5°	137.9	151.1	164.3	175.3	180.5	182.0	190.0	195.2	198.1	201.0
95°	121.1	134.3	146.0	157.7	162.9	165.1	172.4	176.8	180.5	182.0
97.5°	106.4	118.1	129.1	140.9	145.3	147.5	154.8	159.9	162.9	164.3
100°	92.4	103.4	113.7	124.7	129.1	131.3	137.9	142.3	145.3	147.5
102.5°	80.0	90.2	99.8	110.1	114.5	115.9	121.8	126.2	129.1	131.3
105°	69.0	78.5	87.3	96.8	100.5	102.7	107.9	111.5	114.5	115.9
107.5°	58.7	68.2	75.6	84.4	88.0	89.5	94.6	99.0	101.2	102.0
110°	49.9	58.0	65.3	72.6	77.0	78.5	82.9	86.6	88.8	89.5



TEST NUMBER: P893443
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	41.8	49.2	55.8	62.4	66.0	67.5	71.9	75.6	77.0	77.8
115°	34.5	41.8	47.0	53.6	56.5	58.0	61.6	65.3	66.0	67.5
117.5°	27.9	34.5	39.6	44.8	47.7	49.2	52.1	55.0	56.5	57.2
120°	22.7	27.9	32.3	37.4	39.6	41.1	44.0	47.0	47.7	48.4
122.5°	18.3	22.7	26.4	30.8	33.0	34.5	36.7	38.9	39.6	40.4
125°	13.9	18.3	21.3	24.9	27.1	27.9	30.1	32.3	33.0	33.7
127.5°	11.0	13.9	16.9	19.8	21.3	22.0	24.2	25.7	26.4	27.1
130°	8.1	10.3	12.5	15.4	16.9	17.6	19.1	20.5	21.3	21.3
132.5°	5.9	8.1	9.5	11.7	12.5	13.2	14.7	16.1	16.1	16.9
135°	3.7	5.1	6.6	8.1	9.5	9.5	11.0	11.7	12.5	12.5
137.5°	2.9	3.7	4.4	5.9	6.6	7.3	7.3	8.8	8.8	8.8
140°	2.2	2.9	2.9	3.7	4.4	5.1	5.1	5.9	5.9	5.9
142.5°	1.5	2.2	2.2	2.9	2.9	3.7	3.7	3.7	4.4	4.4
145°	1.5	1.5	1.5	2.2	2.2	2.2	2.2	2.9	2.9	2.9
147.5°	0.7	0.7	1.5	1.5	1.5	1.5	1.5	2.2	2.2	2.2
150°	0.7	0.7	0.7	0.7	0.7	1.5	1.5	1.5	1.5	1.5
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	0.0
177.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.0
180°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5



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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	16.88	18.42	17.35	18.88	19.36	18.45	19.99	18.92	20.45	20.93
	3H	18.56	19.96	19.04	20.43	20.96	21.08	22.48	21.56	22.95	23.48
	4H	19.16	20.49	19.66	20.97	21.51	22.39	23.72	22.89	24.20	24.74
	6H	19.55	20.79	20.07	21.29	21.85	23.79	25.03	24.31	25.53	26.09
	8H	19.67	20.86	20.20	21.38	21.94	24.54	25.73	25.07	26.25	26.82
	12H	19.75	20.89	20.28	21.40	22.00	25.39	26.53	25.93	27.05	27.64
4H	2H	17.81	19.14	18.31	19.62	20.16	19.00	20.33	19.51	20.82	21.36
	3H	19.79	20.92	20.30	21.45	22.02	21.92	23.06	22.44	23.58	24.15
	4H	20.56	21.60	21.10	22.14	22.74	23.44	24.49	23.98	25.02	25.62
	6H	21.14	22.06	21.70	22.63	23.24	25.09	26.01	25.64	26.57	27.18
	8H	21.33	22.19	21.89	22.76	23.38	25.97	26.84	26.53	27.40	28.02
	12H	21.45	22.24	22.03	22.83	23.46	26.97	27.76	27.56	28.35	28.98
8H	4H	21.44	22.31	22.00	22.87	23.50	23.81	24.67	24.37	25.24	25.86
	6H	22.32	23.06	22.92	23.67	24.29	25.71	26.44	26.30	27.05	27.68
	8H	22.67	23.34	23.28	23.95	24.59	26.79	27.46	27.40	28.07	28.71
	12H	22.94	23.54	23.55	24.14	24.85	28.05	28.65	28.66	29.25	29.96
12H	4H	21.72	22.51	22.30	23.10	23.73	23.85	24.64	24.43	25.23	25.85
	6H	22.77	23.44	23.38	24.06	24.70	25.82	26.48	26.42	27.10	27.74
	8H	23.29	23.89	23.90	24.49	25.20	27.01	27.61	27.62	28.21	28.92