

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: P895001

Luminaire Tested: 8TMB-4SL-FLTU-UNV-L930

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895001
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: 8TMB-4SL-FLTU-UNV-L930
Description: 4000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 300
Light Source: -
Ballast/Driver: -

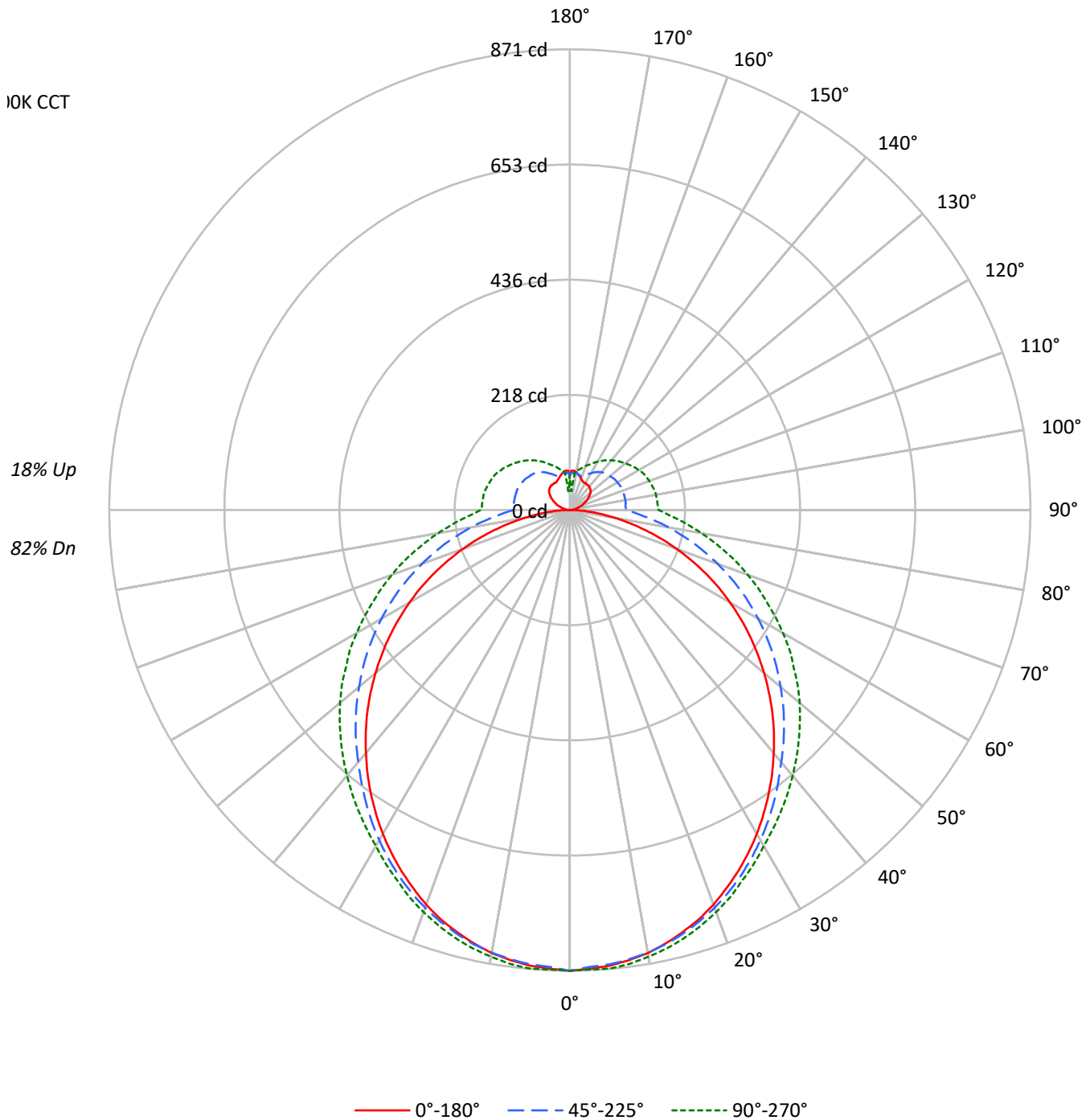
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3293.0 lumens
Efficiency: N/A
Efficacy: 119.3 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.38' x L: 7.98' x H: 0.21')
CIE Type: Semi-Direct

Input Watts (W): 27.6
Input Voltage (V): 120
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: 0.99
Total Harmonic Distortion (THDi): 4.5
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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CATALOG NUMBER: 8TMB-4SL-FLTU-UNV-L930

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°	3091	3091	3091
5°	3073	2966	2958
10°	3050	2857	2817
15°	3012	2746	2683
20°	2969	2633	2547
25°	2914	2514	2409
30°	2854	2392	2283
35°	2788	2270	2179
40°	2719	2149	2080
45°	2649	2044	1985
50°	2568	1935	1894
55°	2481	1828	1792
60°	2376	1714	1694
65°	2252	1593	1585
70°	2087	1459	1482
75°	1859	1322	1372
80°	1557	1176	1259
85°	1173	1028	1155

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2649 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.4	2.5
10°-20°	234.9	7.1
20°-30°	353.0	10.7
30°-40°	423.8	12.9
40°-50°	445.7	13.5
50°-60°	418.7	12.7
60°-70°	348.2	10.6
70°-80°	248.5	7.5
80°-90°	147.9	4.5
90°-100°	107.1	3.3
100°-110°	105.6	3.2
110°-120°	99.2	3.0
120°-130°	87.9	2.7
130°-140°	72.9	2.2
140°-150°	54.5	1.7
150°-160°	35.9	1.1
160°-170°	20.3	0.6
170°-180°	6.5	0.2
0°-30°	670.3	20.4
0°-40°	1094.1	33.2
0°-60°	1958.5	59.5
0°-90°	2703.1	82.1
90°-120°	311.9	9.5
90°-150°	527.3	16.0
90°-180°	590.0	17.9
0°-180°	3293.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	871	871	871	871	871	
5°	865	875	862	865	870	82
15°	826	838	829	834	838	233
25°	753	768	764	771	772	347
35°	656	671	673	690	696	410
45°	542	557	573	602	612	418
55°	416	433	467	505	516	372
65°	283	306	355	399	410	280
75°	149	182	243	290	305	158
85°	37	82	142	190	206	41
90°	0	47	106	152	168	3
95°	4	49	106	150	166	5
105°	15	55	107	149	163	16
115°	29	60	106	142	157	29
125°	44	64	103	134	144	40
135°	55	67	97	122	130	42
145°	58	65	88	108	114	36
155°	59	66	74	92	97	28
165°	68	72	69	70	81	19
175°	75	74	70	60	36	7
180°	65	65	65	65	65	



TEST NUMBER: P895001
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	871.1	871.1	871.1	871.1	871.1	871.1	871.1	871.1	871.1	871.1	871.1
2.5°	867.9	870.3	871.1	879.0	875.8	879.0	873.4	867.1	865.5	869.5	864.7
5°	864.7	867.1	867.9	875.8	872.6	875.0	870.3	863.9	862.3	867.1	862.3
7.5°	858.3	860.7	861.5	870.3	866.3	869.5	863.9	857.5	856.7	861.5	856.7
10°	850.4	852.8	853.6	861.5	858.3	861.5	855.9	849.6	848.8	854.3	849.6
12.5°	839.2	841.6	843.2	851.2	847.2	851.2	844.8	838.4	839.2	844.0	840.8
15°	825.7	828.9	829.7	837.6	834.5	838.4	832.1	825.7	827.3	832.1	828.9
17.5°	811.4	814.6	815.4	822.5	819.3	824.1	817.0	811.4	813.0	817.8	815.4
20°	793.9	797.1	798.7	805.8	802.6	807.4	800.3	795.5	797.1	802.6	800.3
22.5°	774.0	778.8	779.6	787.5	783.6	788.3	781.2	777.2	779.6	785.1	782.8
25°	753.3	758.1	758.9	766.8	763.7	767.6	760.5	756.5	759.7	765.3	763.7
27.5°	731.0	735.8	737.4	744.6	741.4	746.2	738.2	735.8	739.0	744.6	743.0
30°	707.2	712.0	712.8	719.9	717.5	722.3	715.1	712.0	716.7	722.3	720.7
32.5°	681.7	686.5	688.9	695.3	692.9	696.8	690.5	688.9	692.9	698.4	697.6
35°	655.5	660.3	662.6	669.8	666.6	670.6	664.2	662.6	669.0	673.0	673.0
37.5°	628.4	633.2	635.6	642.8	638.8	643.5	637.2	636.4	643.5	647.5	647.5
40°	599.8	605.4	607.7	614.1	610.9	614.9	609.3	610.1	616.5	621.3	622.1
42.5°	571.2	576.7	579.1	586.3	582.3	586.3	581.5	582.3	589.5	594.2	598.2
45°	541.7	546.5	548.9	556.8	552.1	556.8	552.1	553.7	560.8	568.0	572.7
47.5°	510.7	515.5	519.5	525.8	521.8	525.8	522.6	525.0	533.8	540.9	547.3
50°	479.7	484.4	488.4	494.0	490.0	495.6	491.6	494.8	505.9	513.1	520.2
52.5°	447.9	451.8	458.2	461.4	458.2	464.6	461.4	466.2	477.3	486.0	494.0
55°	416.0	420.0	426.4	428.8	425.6	432.7	430.4	436.7	448.7	458.2	466.9
57.5°	383.4	387.4	393.0	395.4	393.0	400.9	400.1	407.3	419.2	429.6	439.1
60°	350.0	354.0	358.8	361.1	361.1	369.1	369.1	377.9	390.6	400.1	411.3
62.5°	317.4	319.8	324.6	327.7	330.1	338.1	338.1	347.6	361.1	372.3	383.4
65°	283.2	285.6	289.6	293.5	297.5	306.3	307.1	317.4	330.9	342.1	354.8
67.5°	249.0	251.4	255.4	260.1	265.7	274.4	276.0	287.2	301.5	314.2	326.1
70°	215.6	216.4	221.1	227.5	233.9	242.6	245.0	256.9	272.1	284.8	297.5
72.5°	182.2	183.0	187.7	195.7	202.8	212.4	215.6	228.3	243.4	256.1	268.9
75°	148.8	149.6	155.9	165.5	173.4	182.2	186.1	199.7	214.8	228.3	242.6
77.5°	116.9	118.5	124.9	134.4	144.0	154.3	158.3	171.8	188.5	201.3	214.8
80°	87.5	89.1	96.3	106.6	116.9	126.5	131.3	144.8	162.3	175.0	190.1
82.5°	60.5	62.8	71.6	82.7	93.1	103.4	108.2	120.9	136.8	151.1	165.5
85°	37.4	40.6	49.3	61.3	72.4	81.9	86.7	100.2	115.3	128.9	142.4
87.5°	17.5	22.3	31.0	43.0	54.9	62.8	68.4	81.9	96.3	109.8	123.3
90°	0.0	7.2	15.9	27.8	39.8	46.9	53.3	66.0	80.3	93.1	105.8
92.5°	1.6	8.0	17.5	28.6	40.6	47.7	54.1	66.8	80.3	93.1	105.8
95°	4.0	8.8	18.3	30.2	42.2	49.3	54.9	67.6	81.1	93.9	105.8
97.5°	7.2	11.1	20.7	31.8	43.8	50.1	56.5	69.2	81.9	94.7	106.6
100°	9.5	12.7	22.3	33.4	45.3	51.7	58.1	70.0	82.7	95.5	106.6
102.5°	11.9	15.9	24.7	35.0	46.9	53.3	58.9	70.8	83.5	95.5	106.6
105°	15.1	18.3	26.3	37.4	48.5	54.9	60.5	72.4	84.3	96.3	106.6
107.5°	18.3	20.7	28.6	39.0	50.1	55.7	61.3	73.2	85.1	96.3	106.6
110°	22.3	23.9	31.0	40.6	50.9	57.3	62.8	74.0	85.1	96.3	106.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	26.3	26.3	33.4	42.2	52.5	58.1	63.6	74.8	85.9	96.3	106.6
115°	29.4	30.2	35.8	43.8	54.1	59.7	64.4	74.8	85.9	96.3	105.8
117.5°	33.4	33.4	39.0	45.3	54.9	60.5	66.0	75.6	85.9	95.5	105.0
120°	37.4	36.6	41.4	47.7	56.5	61.3	66.8	76.4	85.9	95.5	104.2
122.5°	41.4	39.8	43.0	49.3	57.3	62.8	66.8	76.4	85.9	94.7	103.4
125°	44.5	43.0	45.3	51.7	58.9	63.6	67.6	76.4	85.9	93.9	102.6
127.5°	47.7	46.1	48.5	53.3	59.7	63.6	68.4	76.4	85.9	93.1	101.0
130°	50.9	48.5	51.7	54.9	61.3	64.4	68.4	76.4	85.1	92.3	99.4
132.5°	53.3	50.9	54.1	56.5	62.0	65.2	69.2	76.4	84.3	91.5	98.6
135°	54.9	52.5	56.5	58.1	63.6	66.8	70.0	76.4	83.5	90.7	97.0
137.5°	56.5	53.3	58.1	59.7	64.4	67.6	70.0	75.6	82.7	89.1	95.5
140°	57.3	54.9	59.7	61.3	63.6	66.8	70.0	74.8	81.1	87.5	93.1
142.5°	58.1	54.9	60.5	62.0	63.6	66.0	69.2	73.2	79.5	85.1	90.7
145°	58.1	55.7	60.5	62.0	63.6	65.2	67.6	72.4	77.2	81.9	87.5
147.5°	58.1	56.5	61.3	62.8	64.4	64.4	66.0	70.8	74.8	79.5	84.3
150°	58.9	56.5	61.3	62.8	65.2	65.2	66.0	68.4	73.2	76.4	80.3
152.5°	58.1	57.3	60.5	63.6	65.2	66.0	66.0	66.8	70.8	74.0	77.2
155°	58.9	58.9	61.3	65.2	66.0	66.0	66.8	66.0	67.6	70.8	74.0
157.5°	60.5	62.0	62.0	66.0	67.6	67.6	68.4	67.6	66.8	67.6	70.8
160°	62.8	64.4	64.4	66.8	69.2	69.2	70.0	69.2	68.4	67.6	67.6
162.5°	65.2	66.8	66.8	67.6	70.0	70.8	71.6	70.8	70.0	68.4	67.6
165°	67.6	69.2	69.2	69.2	70.8	71.6	72.4	71.6	71.6	70.0	69.2
167.5°	70.0	71.6	71.6	70.8	71.6	72.4	73.2	72.4	72.4	71.6	70.0
170°	72.4	74.0	74.0	72.4	73.2	73.2	74.0	73.2	73.2	71.6	70.8
172.5°	74.0	75.6	74.8	74.0	74.0	74.0	74.0	73.2	72.4	70.8	70.8
175°	74.8	76.4	76.4	74.8	74.0	74.0	74.8	73.2	72.4	71.6	70.0
177.5°	74.8	76.4	76.4	74.8	74.8	74.0	74.8	74.0	74.0	72.4	70.8
180°	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	871.1	871.1	871.1	871.1	871.1	871.1	871.1	871.1	871.1	871.1
2.5°	867.9	867.1	862.3	867.9	867.9	866.3	872.6	871.8	871.1	869.5
5°	864.7	863.9	859.1	864.7	864.7	863.9	870.3	871.1	871.8	870.3
7.5°	859.9	859.1	854.3	859.9	859.9	859.1	866.3	867.1	867.9	865.5
10°	852.8	852.0	847.2	852.8	853.6	852.8	858.3	859.1	860.7	857.5
12.5°	843.2	843.2	838.4	844.0	844.8	844.0	849.6	851.2	852.8	848.8
15°	831.3	832.1	828.1	833.7	834.5	834.5	840.0	840.8	843.2	837.6
17.5°	817.0	818.6	815.4	820.9	821.7	822.5	825.7	828.1	830.5	824.1
20°	801.8	802.6	800.3	805.0	806.6	805.8	809.8	813.0	815.4	809.0
22.5°	783.6	784.3	782.0	786.7	788.3	789.1	792.3	796.3	797.9	792.3
25°	762.9	766.1	764.5	769.2	770.8	770.8	774.0	778.0	780.4	772.4
27.5°	743.0	747.0	745.4	750.1	751.7	752.5	754.1	758.9	761.3	754.1
30°	720.7	725.5	724.7	729.5	731.0	730.3	733.4	738.2	741.4	733.4
32.5°	696.0	702.4	701.6	708.0	709.6	710.4	712.8	719.1	722.3	715.1
35°	672.2	679.3	680.1	687.3	689.7	690.5	693.7	700.0	703.2	696.0
37.5°	647.5	657.1	659.5	666.6	669.0	669.8	673.0	680.1	683.3	676.2
40°	623.7	634.8	638.0	644.3	646.7	649.1	651.5	658.7	662.6	655.5
42.5°	599.8	611.7	615.7	622.1	624.5	626.8	630.0	638.0	641.2	634.8
45°	575.1	587.9	592.6	599.0	602.2	604.6	607.7	614.9	618.9	612.5
47.5°	550.5	563.2	568.0	575.1	578.3	581.5	583.9	592.6	596.6	590.2
50°	524.2	538.5	544.1	550.5	555.2	557.6	560.8	568.8	572.7	567.2
52.5°	498.0	513.1	519.5	525.8	530.6	534.6	536.2	544.9	548.9	543.3
55°	470.9	486.0	493.2	500.4	505.1	509.9	511.5	520.2	524.2	516.3
57.5°	443.9	459.8	466.9	474.9	478.9	484.4	486.8	494.8	498.8	493.2
60°	416.8	431.9	440.7	447.9	453.4	458.2	459.8	468.5	472.5	465.4
62.5°	389.0	404.9	413.7	421.6	426.4	431.9	434.3	442.3	445.5	438.3
65°	360.4	376.3	385.8	393.0	399.3	404.1	405.7	414.4	417.6	410.5
67.5°	331.7	347.6	358.0	365.9	371.5	377.1	378.7	387.4	390.6	385.0
70°	303.9	319.8	330.1	339.7	343.6	349.2	351.6	359.6	362.7	358.0
72.5°	276.0	291.9	303.1	312.6	316.6	322.2	325.4	331.7	336.5	332.5
75°	249.0	264.9	276.0	285.6	289.6	295.1	298.3	304.7	307.9	304.7
77.5°	222.7	238.6	249.0	258.5	263.3	268.1	271.3	277.6	281.6	278.4
80°	197.3	213.2	223.5	232.3	237.1	241.8	245.0	252.2	255.4	253.0
82.5°	173.4	188.5	199.7	208.4	213.2	218.0	221.1	227.5	231.5	228.3
85°	151.9	167.1	177.4	186.1	190.1	194.9	198.1	204.4	207.6	206.0
87.5°	131.3	144.8	156.7	165.5	169.4	174.2	178.2	183.0	186.9	184.6
90°	115.3	127.3	138.4	147.2	151.9	156.7	161.5	166.3	169.4	167.8
92.5°	116.1	127.3	137.6	145.6	150.3	155.1	159.9	165.5	167.8	166.3
95°	116.1	127.3	137.6	145.6	150.3	155.1	159.9	165.5	167.8	166.3
97.5°	116.1	127.3	137.6	145.6	150.3	155.1	159.9	165.5	167.8	165.5
100°	116.1	127.3	137.6	145.6	150.3	154.3	159.1	164.7	167.1	165.5
102.5°	116.1	127.3	136.8	144.8	149.6	153.5	158.3	163.9	166.3	164.7
105°	116.1	126.5	136.8	144.0	148.8	152.7	157.5	162.3	164.7	163.1
107.5°	115.3	125.7	135.2	143.2	147.2	151.1	155.9	160.7	163.1	161.5
110°	115.3	124.9	134.4	141.6	145.6	149.6	154.3	159.1	161.5	159.9



TEST NUMBER: P895001
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	114.5	124.1	133.6	140.0	144.0	148.0	151.9	157.5	159.9	158.3
115°	113.8	123.3	132.1	138.4	142.4	145.6	150.3	155.9	157.5	156.7
117.5°	113.0	121.7	130.5	136.8	140.8	144.0	148.0	152.7	155.1	154.3
120°	112.2	120.1	128.9	134.4	138.4	141.6	144.8	149.6	151.9	150.3
122.5°	110.6	118.5	127.3	132.8	136.0	139.2	142.4	146.4	148.8	148.0
125°	109.0	116.9	124.9	130.5	133.6	136.0	139.2	143.2	144.8	144.0
127.5°	107.4	115.3	122.5	127.3	131.3	133.6	136.0	140.0	141.6	140.8
130°	105.8	113.0	120.1	124.9	128.1	130.5	132.8	136.8	137.6	137.6
132.5°	104.2	110.6	117.7	122.5	125.7	127.3	129.7	132.8	134.4	133.6
135°	102.6	108.2	115.3	119.3	121.7	124.1	126.5	129.7	130.5	130.5
137.5°	100.2	105.8	112.2	116.1	118.5	120.1	122.5	125.7	126.5	126.5
140°	97.8	103.4	109.0	112.2	115.3	116.9	118.5	121.7	122.5	122.5
142.5°	95.5	100.2	105.8	109.0	112.2	113.0	115.3	117.7	118.5	118.5
145°	92.3	97.8	102.6	105.8	108.2	109.0	111.4	113.8	113.8	114.5
147.5°	88.3	93.1	99.4	101.8	104.2	105.0	107.4	109.0	109.8	109.8
150°	84.3	89.1	94.7	98.6	101.0	101.8	102.6	105.0	105.0	105.8
152.5°	80.3	84.3	89.9	93.9	97.0	97.8	98.6	100.2	100.2	101.0
155°	76.4	79.5	84.3	88.3	91.5	93.1	94.7	96.3	96.3	97.0
157.5°	73.2	76.4	80.3	83.5	85.9	88.3	90.7	92.3	92.3	92.3
160°	69.2	71.6	75.6	78.0	81.1	82.7	86.7	88.3	88.3	89.1
162.5°	66.8	67.6	70.0	72.4	74.8	76.4	80.3	84.3	84.3	85.1
165°	67.6	66.8	67.6	68.4	70.0	70.8	73.2	78.8	80.3	81.1
167.5°	69.2	66.8	66.8	66.8	68.4	68.4	70.8	74.0	79.5	78.0
170°	69.2	66.8	65.2	65.2	66.0	65.2	66.8	69.2	72.4	75.6
172.5°	70.0	67.6	65.2	62.0	62.8	62.0	60.5	60.5	61.3	71.6
175°	69.2	67.6	64.4	60.5	59.7	57.3	52.5	48.5	46.1	35.8
177.5°	68.4	66.0	63.6	60.5	58.9	56.5	50.9	44.5	38.2	36.6
180°	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2	65.2



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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	11.63	12.95	12.24	13.58	14.30	14.26	15.58	14.87	16.21	16.93
	3H	13.03	14.23	13.66	14.87	15.63	16.72	17.92	17.35	18.56	19.32
	4H	13.46	14.60	14.11	15.25	16.02	17.89	19.02	18.53	19.68	20.45
	6H	13.70	14.75	14.36	15.42	16.20	19.07	20.12	19.73	20.79	21.57
	8H	13.74	14.75	14.41	15.44	16.23	19.66	20.67	20.33	21.36	22.15
	12H	13.75	14.72	14.43	15.40	16.22	20.29	21.26	20.97	21.94	22.76
4H	2H	12.53	13.67	13.18	14.32	15.09	14.60	15.74	15.25	16.39	17.16
	3H	14.15	15.12	14.82	15.81	16.60	17.26	18.23	17.93	18.92	19.71
	4H	14.71	15.59	15.39	16.29	17.11	18.58	19.47	19.26	20.16	20.98
	6H	15.05	15.82	15.74	16.55	17.37	19.93	20.71	20.63	21.43	22.26
	8H	15.12	15.85	15.82	16.57	17.41	20.62	21.35	21.33	22.07	22.91
	12H	15.15	15.81	15.88	16.56	17.40	21.37	22.04	22.10	22.78	23.63
8H	4H	15.37	16.10	16.07	16.82	17.66	18.73	19.46	19.43	20.18	21.02
	6H	15.87	16.49	16.61	17.25	18.10	20.22	20.84	20.96	21.60	22.44
	8H	16.03	16.58	16.77	17.35	18.20	21.03	21.59	21.78	22.35	23.21
	12H	16.12	16.61	16.87	17.37	18.28	21.94	22.44	22.69	23.19	24.11
12H	4H	15.54	16.20	16.27	16.95	17.79	18.72	19.38	19.44	20.13	20.97
	6H	16.14	16.70	16.88	17.46	18.32	20.24	20.80	20.98	21.56	22.41
	8H	16.37	16.87	17.12	17.62	18.54	21.10	21.59	21.85	22.35	23.26