

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: P895002

Luminaire Tested: 8TMB-4SL-FLTU-UNV-L935

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895002
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-L935
Description: 4000 Lumen 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 350
Light Source: -
Ballast/Driver: -

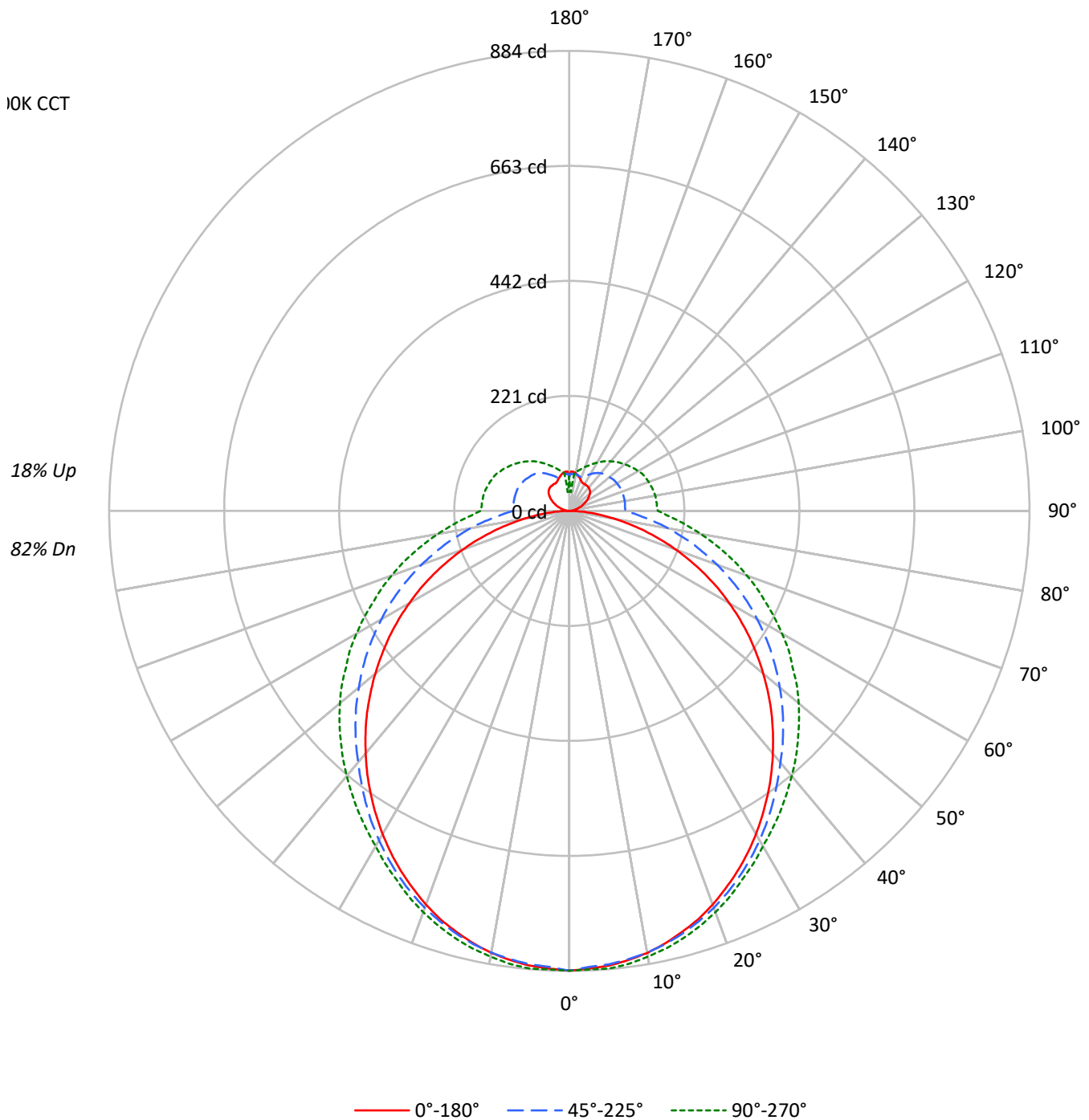
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3340.0 lumens
Efficiency: N/A
Efficacy: 121.0 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

TEST NUMBER: P895002
CATALOG NUMBER: 8TMB-4SL-FLTU-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	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°	3135	3135	3135
5°	3116	3008	3000
10°	3093	2897	2858
15°	3055	2785	2721
20°	3012	2670	2583
25°	2955	2550	2443
30°	2895	2426	2315
35°	2828	2302	2210
40°	2758	2180	2109
45°	2687	2073	2014
50°	2604	1963	1921
55°	2517	1855	1817
60°	2410	1738	1718
65°	2283	1615	1607
70°	2117	1480	1503
75°	1885	1342	1391
80°	1580	1193	1276
85°	1188	1042	1171

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2687 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.5	2.5
10°-20°	238.3	7.1
20°-30°	358.0	10.7
30°-40°	429.9	12.9
40°-50°	452.0	13.5
50°-60°	424.7	12.7
60°-70°	353.2	10.6
70°-80°	252.0	7.5
80°-90°	150.0	4.5
90°-100°	108.6	3.3
100°-110°	107.1	3.2
110°-120°	100.6	3.0
120°-130°	89.2	2.7
130°-140°	73.9	2.2
140°-150°	55.3	1.7
150°-160°	36.4	1.1
160°-170°	20.6	0.6
170°-180°	6.6	0.2
0°-30°	679.8	20.4
0°-40°	1109.7	33.2
0°-60°	1986.5	59.5
0°-90°	2741.6	82.1
90°-120°	316.4	9.5
90°-150°	534.8	16.0
90°-180°	598.0	17.9
0°-180°	3340.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	884	884	884	884	884	
5°	877	888	875	877	883	83
15°	838	850	841	846	850	236
25°	764	779	775	782	783	352
35°	665	680	683	700	706	416
45°	550	565	581	611	621	424
55°	422	439	474	512	524	377
65°	287	311	360	405	416	284
75°	151	185	246	294	309	160
85°	38	83	144	193	209	41
90°	0	48	107	154	170	3
95°	4	50	107	152	169	5
105°	15	56	108	151	165	16
115°	30	60	107	144	159	30
125°	45	64	104	136	146	40
135°	56	68	98	123	132	43
145°	59	66	89	110	116	37
155°	60	67	75	93	98	28
165°	69	73	70	71	82	19
175°	76	75	71	60	36	7
180°	66	66	66	66	66	



TEST NUMBER: P895002
 CATALOG NUMBER: 8TMB-4SL-FLTU-UNV-L935

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5
2.5°	880.3	882.7	883.5	891.6	888.3	891.6	885.9	879.5	877.8	881.9	877.0
5°	877.0	879.5	880.3	888.3	885.1	887.5	882.7	876.2	874.6	879.5	874.6
7.5°	870.6	873.0	873.8	882.7	878.6	881.9	876.2	869.8	869.0	873.8	869.0
10°	862.5	864.9	865.7	873.8	870.6	873.8	868.2	861.7	860.9	866.5	861.7
12.5°	851.2	853.6	855.2	863.3	859.3	863.3	856.9	850.4	851.2	856.1	852.8
15°	837.5	840.7	841.5	849.6	846.4	850.4	844.0	837.5	839.1	844.0	840.7
17.5°	823.0	826.2	827.0	834.3	831.0	835.9	828.6	823.0	824.6	829.4	827.0
20°	805.2	808.5	810.1	817.3	814.1	818.9	811.7	806.8	808.5	814.1	811.7
22.5°	785.1	789.9	790.7	798.8	794.7	799.6	792.3	788.3	790.7	796.3	793.9
25°	764.1	768.9	769.7	777.8	774.6	778.6	771.3	767.3	770.5	776.2	774.6
27.5°	741.5	746.3	747.9	755.2	752.0	756.8	748.7	746.3	749.6	755.2	753.6
30°	717.3	722.1	722.9	730.2	727.8	732.6	725.3	722.1	727.0	732.6	731.0
32.5°	691.5	696.3	698.7	705.2	702.8	706.8	700.3	698.7	702.8	708.4	707.6
35°	664.8	669.7	672.1	679.4	676.1	680.2	673.7	672.1	678.5	682.6	682.6
37.5°	637.4	642.2	644.7	651.9	647.9	652.7	646.3	645.5	652.7	656.8	656.8
40°	608.4	614.0	616.4	622.9	619.7	623.7	618.0	618.8	625.3	630.1	630.9
42.5°	579.3	585.0	587.4	594.6	590.6	594.6	589.8	590.6	597.9	602.7	606.7
45°	549.5	554.3	556.7	564.8	559.9	564.8	559.9	561.6	568.8	576.1	580.9
47.5°	518.0	522.8	526.9	533.3	529.3	533.3	530.1	532.5	541.4	548.6	555.1
50°	486.5	491.4	495.4	501.0	497.0	502.7	498.6	501.9	513.1	520.4	527.7
52.5°	454.2	458.3	464.7	468.0	464.7	471.2	468.0	472.8	484.1	493.0	501.0
55°	422.0	426.0	432.5	434.9	431.7	438.9	436.5	443.0	455.1	464.7	473.6
57.5°	388.9	392.9	398.6	401.0	398.6	406.6	405.8	413.1	425.2	435.7	445.4
60°	355.0	359.0	363.9	366.3	366.3	374.4	374.4	383.2	396.2	405.8	417.1
62.5°	321.9	324.3	329.2	332.4	334.8	342.9	342.9	352.6	366.3	377.6	388.9
65°	287.2	289.7	293.7	297.7	301.8	310.6	311.4	321.9	335.6	346.9	359.8
67.5°	252.5	255.0	259.0	263.8	269.5	278.4	280.0	291.3	305.8	318.7	330.8
70°	218.7	219.5	224.3	230.8	237.2	246.1	248.5	260.6	275.9	288.8	301.8
72.5°	184.8	185.6	190.4	198.5	205.7	215.4	218.7	231.6	246.9	259.8	272.7
75°	150.9	151.7	158.1	167.8	175.9	184.8	188.8	202.5	217.8	231.6	246.1
77.5°	118.6	120.2	126.7	136.4	146.0	156.5	160.6	174.3	191.2	204.1	217.8
80°	88.8	90.4	97.6	108.1	118.6	128.3	133.1	146.8	164.6	177.5	192.8
82.5°	61.3	63.7	72.6	83.9	94.4	104.9	109.7	122.6	138.8	153.3	167.8
85°	37.9	41.1	50.0	62.1	73.4	83.1	87.9	101.7	117.0	130.7	144.4
87.5°	17.8	22.6	31.5	43.6	55.7	63.7	69.4	83.1	97.6	111.3	125.1
90°	0.0	7.3	16.1	28.2	40.3	47.6	54.1	67.0	81.5	94.4	107.3
92.5°	1.6	8.1	17.8	29.0	41.1	48.4	54.9	67.8	81.5	94.4	107.3
95°	4.0	8.9	18.6	30.7	42.8	50.0	55.7	68.6	82.3	95.2	107.3
97.5°	7.3	11.3	21.0	32.3	44.4	50.8	57.3	70.2	83.1	96.0	108.1
100°	9.7	12.9	22.6	33.9	46.0	52.4	58.9	71.0	83.9	96.8	108.1
102.5°	12.1	16.1	25.0	35.5	47.6	54.1	59.7	71.8	84.7	96.8	108.1
105°	15.3	18.6	26.6	37.9	49.2	55.7	61.3	73.4	85.5	97.6	108.1
107.5°	18.6	21.0	29.0	39.5	50.8	56.5	62.1	74.2	86.3	97.6	108.1
110°	22.6	24.2	31.5	41.1	51.6	58.1	63.7	75.0	86.3	97.6	108.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	26.6	26.6	33.9	42.8	53.3	58.9	64.5	75.8	87.1	97.6	108.1
115°	29.9	30.7	36.3	44.4	54.9	60.5	65.4	75.8	87.1	97.6	107.3
117.5°	33.9	33.9	39.5	46.0	55.7	61.3	67.0	76.6	87.1	96.8	106.5
120°	37.9	37.1	42.0	48.4	57.3	62.1	67.8	77.5	87.1	96.8	105.7
122.5°	42.0	40.3	43.6	50.0	58.1	63.7	67.8	77.5	87.1	96.0	104.9
125°	45.2	43.6	46.0	52.4	59.7	64.5	68.6	77.5	87.1	95.2	104.1
127.5°	48.4	46.8	49.2	54.1	60.5	64.5	69.4	77.5	87.1	94.4	102.5
130°	51.6	49.2	52.4	55.7	62.1	65.4	69.4	77.5	86.3	93.6	100.9
132.5°	54.1	51.6	54.9	57.3	62.9	66.2	70.2	77.5	85.5	92.8	100.0
135°	55.7	53.3	57.3	58.9	64.5	67.8	71.0	77.5	84.7	92.0	98.4
137.5°	57.3	54.1	58.9	60.5	65.4	68.6	71.0	76.6	83.9	90.4	96.8
140°	58.1	55.7	60.5	62.1	64.5	67.8	71.0	75.8	82.3	88.8	94.4
142.5°	58.9	55.7	61.3	62.9	64.5	67.0	70.2	74.2	80.7	86.3	92.0
145°	58.9	56.5	61.3	62.9	64.5	66.2	68.6	73.4	78.3	83.1	88.8
147.5°	58.9	57.3	62.1	63.7	65.4	65.4	67.0	71.8	75.8	80.7	85.5
150°	59.7	57.3	62.1	63.7	66.2	66.2	67.0	69.4	74.2	77.5	81.5
152.5°	58.9	58.1	61.3	64.5	66.2	67.0	67.0	67.8	71.8	75.0	78.3
155°	59.7	59.7	62.1	66.2	67.0	67.0	67.8	67.0	68.6	71.8	75.0
157.5°	61.3	62.9	62.9	67.0	68.6	68.6	69.4	68.6	67.8	68.6	71.8
160°	63.7	65.4	65.4	67.8	70.2	70.2	71.0	70.2	69.4	68.6	68.6
162.5°	66.2	67.8	67.8	68.6	71.0	71.8	72.6	71.8	71.0	69.4	68.6
165°	68.6	70.2	70.2	70.2	71.8	72.6	73.4	72.6	72.6	71.0	70.2
167.5°	71.0	72.6	72.6	71.8	72.6	73.4	74.2	73.4	73.4	72.6	71.0
170°	73.4	75.0	75.0	73.4	74.2	74.2	75.0	74.2	74.2	72.6	71.8
172.5°	75.0	76.6	75.8	75.0	75.0	75.0	75.0	74.2	73.4	71.8	71.8
175°	75.8	77.5	77.5	75.8	75.0	75.0	75.8	74.2	73.4	72.6	71.0
177.5°	75.8	77.5	77.5	75.8	75.8	75.0	75.8	75.0	75.0	73.4	71.8
180°	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5	883.5
2.5°	880.3	879.5	874.6	880.3	880.3	878.6	885.1	884.3	883.5	881.9
5°	877.0	876.2	871.4	877.0	877.0	876.2	882.7	883.5	884.3	882.7
7.5°	872.2	871.4	866.5	872.2	872.2	871.4	878.6	879.5	880.3	877.8
10°	864.9	864.1	859.3	864.9	865.7	864.9	870.6	871.4	873.0	869.8
12.5°	855.2	855.2	850.4	856.1	856.9	856.1	861.7	863.3	864.9	860.9
15°	843.1	844.0	839.9	845.6	846.4	846.4	852.0	852.8	855.2	849.6
17.5°	828.6	830.2	827.0	832.7	833.5	834.3	837.5	839.9	842.3	835.9
20°	813.3	814.1	811.7	816.5	818.1	817.3	821.4	824.6	827.0	820.6
22.5°	794.7	795.5	793.1	798.0	799.6	800.4	803.6	807.6	809.3	803.6
25°	773.8	777.0	775.4	780.2	781.8	781.8	785.1	789.1	791.5	783.4
27.5°	753.6	757.6	756.0	760.8	762.5	763.3	764.9	769.7	772.1	764.9
30°	731.0	735.8	735.0	739.9	741.5	740.7	743.9	748.7	752.0	743.9
32.5°	706.0	712.4	711.6	718.1	719.7	720.5	722.9	729.4	732.6	725.3
35°	681.8	689.0	689.8	697.1	699.5	700.3	703.6	710.0	713.2	706.0
37.5°	656.8	666.4	668.9	676.1	678.5	679.4	682.6	689.8	693.1	685.8
40°	632.6	643.9	647.1	653.5	656.0	658.4	660.8	668.1	672.1	664.8
42.5°	608.4	620.5	624.5	630.9	633.4	635.8	639.0	647.1	650.3	643.9
45°	583.3	596.3	601.1	607.5	610.8	613.2	616.4	623.7	627.7	621.3
47.5°	558.3	571.2	576.1	583.3	586.6	589.8	592.2	601.1	605.1	598.7
50°	531.7	546.2	551.9	558.3	563.2	565.6	568.8	576.9	580.9	575.3
52.5°	505.1	520.4	526.9	533.3	538.2	542.2	543.8	552.7	556.7	551.1
55°	477.6	493.0	500.2	507.5	512.3	517.2	518.8	527.7	531.7	523.6
57.5°	450.2	466.4	473.6	481.7	485.7	491.4	493.8	501.9	505.9	500.2
60°	422.8	438.1	447.0	454.2	459.9	464.7	466.4	475.2	479.3	472.0
62.5°	394.5	410.7	419.6	427.6	432.5	438.1	440.5	448.6	451.8	444.6
65°	365.5	381.6	391.3	398.6	405.0	409.9	411.5	420.4	423.6	416.3
67.5°	336.5	352.6	363.1	371.1	376.8	382.4	384.1	392.9	396.2	390.5
70°	308.2	324.3	334.8	344.5	348.6	354.2	356.6	364.7	367.9	363.1
72.5°	280.0	296.1	307.4	317.1	321.1	326.8	330.0	336.5	341.3	337.3
75°	252.5	268.7	280.0	289.7	293.7	299.3	302.6	309.0	312.2	309.0
77.5°	225.9	242.1	252.5	262.2	267.1	271.9	275.1	281.6	285.6	282.4
80°	200.1	216.2	226.7	235.6	240.4	245.3	248.5	255.8	259.0	256.6
82.5°	175.9	191.2	202.5	211.4	216.2	221.1	224.3	230.8	234.8	231.6
85°	154.1	169.4	179.9	188.8	192.8	197.7	200.9	207.4	210.6	209.0
87.5°	133.1	146.8	158.9	167.8	171.9	176.7	180.7	185.6	189.6	187.2
90°	117.0	129.1	140.4	149.3	154.1	158.9	163.8	168.6	171.9	170.2
92.5°	117.8	129.1	139.6	147.7	152.5	157.3	162.2	167.8	170.2	168.6
95°	117.8	129.1	139.6	147.7	152.5	157.3	162.2	167.8	170.2	168.6
97.5°	117.8	129.1	139.6	147.7	152.5	157.3	162.2	167.8	170.2	167.8
100°	117.8	129.1	139.6	147.7	152.5	156.5	161.4	167.0	169.4	167.8
102.5°	117.8	129.1	138.8	146.8	151.7	155.7	160.6	166.2	168.6	167.0
105°	117.8	128.3	138.8	146.0	150.9	154.9	159.8	164.6	167.0	165.4
107.5°	117.0	127.5	137.2	145.2	149.3	153.3	158.1	163.0	165.4	163.8
110°	117.0	126.7	136.4	143.6	147.7	151.7	156.5	161.4	163.8	162.2



TEST NUMBER: P895002
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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	116.2	125.9	135.5	142.0	146.0	150.1	154.1	159.8	162.2	160.6
115°	115.4	125.1	133.9	140.4	144.4	147.7	152.5	158.1	159.8	158.9
117.5°	114.6	123.4	132.3	138.8	142.8	146.0	150.1	154.9	157.3	156.5
120°	113.8	121.8	130.7	136.4	140.4	143.6	146.8	151.7	154.1	152.5
122.5°	112.2	120.2	129.1	134.7	138.0	141.2	144.4	148.5	150.9	150.1
125°	110.5	118.6	126.7	132.3	135.5	138.0	141.2	145.2	146.8	146.0
127.5°	108.9	117.0	124.3	129.1	133.1	135.5	138.0	142.0	143.6	142.8
130°	107.3	114.6	121.8	126.7	129.9	132.3	134.7	138.8	139.6	139.6
132.5°	105.7	112.2	119.4	124.3	127.5	129.1	131.5	134.7	136.4	135.5
135°	104.1	109.7	117.0	121.0	123.4	125.9	128.3	131.5	132.3	132.3
137.5°	101.7	107.3	113.8	117.8	120.2	121.8	124.3	127.5	128.3	128.3
140°	99.2	104.9	110.5	113.8	117.0	118.6	120.2	123.4	124.3	124.3
142.5°	96.8	101.7	107.3	110.5	113.8	114.6	117.0	119.4	120.2	120.2
145°	93.6	99.2	104.1	107.3	109.7	110.5	113.0	115.4	115.4	116.2
147.5°	89.6	94.4	100.9	103.3	105.7	106.5	108.9	110.5	111.3	111.3
150°	85.5	90.4	96.0	100.0	102.5	103.3	104.1	106.5	106.5	107.3
152.5°	81.5	85.5	91.2	95.2	98.4	99.2	100.0	101.7	101.7	102.5
155°	77.5	80.7	85.5	89.6	92.8	94.4	96.0	97.6	97.6	98.4
157.5°	74.2	77.5	81.5	84.7	87.1	89.6	92.0	93.6	93.6	93.6
160°	70.2	72.6	76.6	79.1	82.3	83.9	87.9	89.6	89.6	90.4
162.5°	67.8	68.6	71.0	73.4	75.8	77.5	81.5	85.5	85.5	86.3
165°	68.6	67.8	68.6	69.4	71.0	71.8	74.2	79.9	81.5	82.3
167.5°	70.2	67.8	67.8	67.8	69.4	69.4	71.8	75.0	80.7	79.1
170°	70.2	67.8	66.2	66.2	67.0	66.2	67.8	70.2	73.4	76.6
172.5°	71.0	68.6	66.2	62.9	63.7	62.9	61.3	61.3	62.1	72.6
175°	70.2	68.6	65.4	61.3	60.5	58.1	53.3	49.2	46.8	36.3
177.5°	69.4	67.0	64.5	61.3	59.7	57.3	51.6	45.2	38.7	37.1
180°	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2



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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	11.68	13.00	12.29	13.63	14.35	14.31	15.63	14.92	16.26	16.98
	3H	13.08	14.28	13.71	14.92	15.68	16.77	17.97	17.40	18.61	19.37
	4H	13.51	14.65	14.16	15.30	16.07	17.94	19.07	18.58	19.73	20.50
	6H	13.74	14.80	14.41	15.47	16.25	19.12	20.17	19.78	20.84	21.62
	8H	13.79	14.80	14.46	15.49	16.27	19.71	20.72	20.38	21.41	22.19
	12H	13.80	14.77	14.48	15.45	16.26	20.34	21.31	21.02	21.99	22.81
4H	2H	12.58	13.72	13.23	14.37	15.14	14.65	15.79	15.30	16.44	17.21
	3H	14.20	15.17	14.87	15.86	16.65	17.31	18.28	17.98	18.97	19.76
	4H	14.76	15.64	15.44	16.34	17.16	18.63	19.52	19.31	20.21	21.03
	6H	15.09	15.87	15.79	16.59	17.42	19.98	20.76	20.68	21.48	22.31
	8H	15.17	15.90	15.87	16.62	17.46	20.67	21.40	21.37	22.12	22.96
	12H	15.20	15.86	15.92	16.61	17.45	21.42	22.09	22.15	22.83	23.68
8H	4H	15.42	16.15	16.12	16.87	17.71	18.78	19.51	19.48	20.23	21.07
	6H	15.92	16.54	16.66	17.30	18.14	20.27	20.89	21.01	21.65	22.49
	8H	16.08	16.63	16.82	17.40	18.25	21.08	21.64	21.83	22.40	23.26
	12H	16.17	16.66	16.92	17.41	18.33	21.99	22.49	22.74	23.24	24.16
12H	4H	15.59	16.25	16.32	17.00	17.84	18.77	19.43	19.49	20.17	21.02
	6H	16.19	16.75	16.93	17.51	18.36	20.29	20.84	21.03	21.61	22.46
	8H	16.42	16.92	17.17	17.67	18.59	21.15	21.64	21.90	22.40	23.31