

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: P895416

Luminaire Tested: 8TMB-SC3-FLTU-UNV-CC93-LOW-4000K

Issue Date: 11/11/2024

Test Information

Test Method: LM-79-2019
Report Number: P895416
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-SC3-FLTU-UNV-CC93-LOW-4000K
Description: Selectable 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 4000K CCT, LOW lumen setting
Light Source: -
Ballast/Driver: -

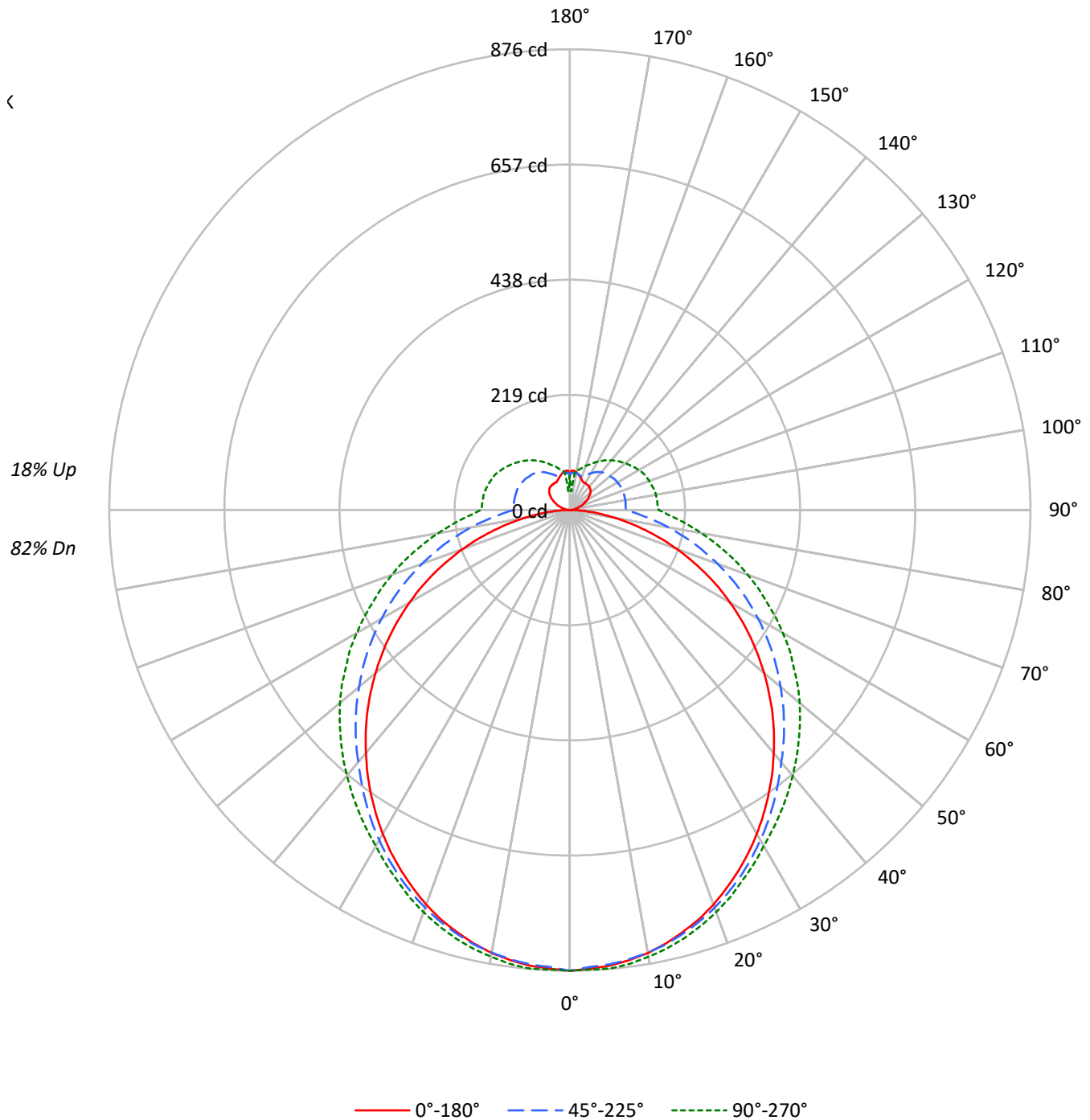
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3311.9 lumens
Efficiency: N/A
Efficacy: 98.9 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): 33.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: 0.9915
Total Harmonic Distortion (THDi): 6.67573310469889
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT

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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	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°	3109	3109	3109
5°	3091	2983	2975
10°	3067	2873	2834
15°	3029	2762	2699
20°	2987	2648	2562
25°	2931	2528	2423
30°	2871	2406	2296
35°	2804	2283	2192
40°	2734	2162	2092
45°	2664	2056	1997
50°	2582	1946	1905
55°	2495	1839	1802
60°	2390	1723	1704
65°	2264	1601	1593
70°	2099	1467	1491
75°	1869	1330	1379
80°	1566	1183	1266
85°	1179	1034	1161

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2664 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.8	2.5
10°-20°	236.3	7.1
20°-30°	355.0	10.7
30°-40°	426.3	12.9
40°-50°	448.3	13.5
50°-60°	421.1	12.7
60°-70°	350.2	10.6
70°-80°	249.9	7.5
80°-90°	148.7	4.5
90°-100°	107.7	3.3
100°-110°	106.2	3.2
110°-120°	99.8	3.0
120°-130°	88.4	2.7
130°-140°	73.3	2.2
140°-150°	54.8	1.7
150°-160°	36.1	1.1
160°-170°	20.5	0.6
170°-180°	6.5	0.2
0°-30°	674.2	20.4
0°-40°	1100.5	33.2
0°-60°	1969.8	59.5
0°-90°	2718.6	82.1
90°-120°	313.7	9.5
90°-150°	530.2	16.0
90°-180°	593.0	17.9
0°-180°	3311.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	876	876	876	876	876	
5°	870	880	867	870	875	83
15°	830	843	834	839	842	234
25°	758	772	768	775	777	349
35°	659	674	677	694	700	412
45°	545	560	576	606	616	420
55°	418	435	470	508	519	374
65°	285	308	357	402	413	282
75°	150	183	244	291	306	159
85°	38	82	143	191	207	41
90°	0	47	106	153	169	3
95°	4	50	106	151	167	5
105°	15	55	107	150	164	16
115°	30	60	106	143	158	30
125°	45	64	103	134	145	40
135°	55	67	98	122	131	43
145°	58	66	88	109	115	37
155°	59	66	74	92	98	28
165°	68	72	70	70	82	19
175°	75	74	70	60	36	7
180°	66	66	66	66	66	



TEST NUMBER: P895416

CATALOG NUMBER: 8TMB-SC3-FLTU-UNV-CC93-LOW-4000K

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	876.1	876.1	876.1	876.1	876.1	876.1	876.1	876.1	876.1	876.1	876.1
2.5°	872.9	875.3	876.1	884.1	880.9	884.1	878.5	872.1	870.5	874.5	869.7
5°	869.7	872.1	872.9	880.9	877.7	880.1	875.3	868.9	867.3	872.1	867.3
7.5°	863.3	865.7	866.5	875.3	871.3	874.5	868.9	862.5	861.7	866.5	861.7
10°	855.3	857.7	858.5	866.5	863.3	866.5	860.9	854.5	853.7	859.3	854.5
12.5°	844.1	846.5	848.1	856.1	852.1	856.1	849.7	843.3	844.1	848.9	845.7
15°	830.5	833.7	834.5	842.5	839.3	843.3	836.9	830.5	832.1	836.9	833.7
17.5°	816.1	819.3	820.1	827.3	824.1	828.9	821.7	816.1	817.7	822.5	820.1
20°	798.5	801.7	803.3	810.5	807.3	812.1	804.9	800.1	801.7	807.3	804.9
22.5°	778.5	783.3	784.1	792.1	788.1	792.9	785.7	781.7	784.1	789.7	787.3
25°	757.7	762.5	763.3	771.3	768.1	772.1	764.9	760.9	764.1	769.7	768.1
27.5°	735.3	740.1	741.7	748.9	745.7	750.5	742.5	740.1	743.3	748.9	747.3
30°	711.3	716.1	716.9	724.1	721.7	726.5	719.3	716.1	720.9	726.5	724.9
32.5°	685.7	690.5	692.9	699.3	696.9	700.9	694.5	692.9	696.9	702.5	701.7
35°	659.3	664.1	666.5	673.7	670.5	674.5	668.1	666.5	672.9	676.9	676.9
37.5°	632.1	636.9	639.3	646.5	642.5	647.3	640.9	640.1	647.3	651.3	651.3
40°	603.3	608.9	611.3	617.7	614.5	618.5	612.9	613.7	620.1	624.9	625.7
42.5°	574.5	580.1	582.5	589.7	585.7	589.7	584.9	585.7	592.9	597.7	601.7
45°	544.8	549.7	552.1	560.1	555.3	560.1	555.3	556.9	564.1	571.3	576.1
47.5°	513.6	518.4	522.4	528.8	524.8	528.8	525.6	528.0	536.8	544.0	550.5
50°	482.4	487.2	491.2	496.8	492.8	498.4	494.4	497.6	508.8	516.0	523.2
52.5°	450.4	454.4	460.8	464.0	460.8	467.2	464.0	468.8	480.0	488.8	496.8
55°	418.4	422.4	428.8	431.2	428.0	435.2	432.8	439.2	451.2	460.8	469.6
57.5°	385.6	389.6	395.2	397.6	395.2	403.2	402.4	409.6	421.6	432.0	441.6
60°	352.0	356.0	360.8	363.2	363.2	371.2	371.2	380.0	392.8	402.4	413.6
62.5°	319.2	321.6	326.4	329.6	332.0	340.0	340.0	349.6	363.2	374.4	385.6
65°	284.8	287.2	291.2	295.2	299.2	308.0	308.8	319.2	332.8	344.0	356.8
67.5°	250.4	252.8	256.8	261.6	267.2	276.0	277.6	288.8	303.2	316.0	328.0
70°	216.8	217.6	222.4	228.8	235.2	244.0	246.4	258.4	273.6	286.4	299.2
72.5°	183.2	184.0	188.8	196.8	204.0	213.6	216.8	229.6	244.8	257.6	270.4
75°	149.6	150.4	156.8	166.4	174.4	183.2	187.2	200.8	216.0	229.6	244.0
77.5°	117.6	119.2	125.6	135.2	144.8	155.2	159.2	172.8	189.6	202.4	216.0
80°	88.0	89.6	96.8	107.2	117.6	127.2	132.0	145.6	163.2	176.0	191.2
82.5°	60.8	63.2	72.0	83.2	93.6	104.0	108.8	121.6	137.6	152.0	166.4
85°	37.6	40.8	49.6	61.6	72.8	82.4	87.2	100.8	116.0	129.6	143.2
87.5°	17.6	22.4	31.2	43.2	55.2	63.2	68.8	82.4	96.8	110.4	124.0
90°	0.0	7.2	16.0	28.0	40.0	47.2	53.6	66.4	80.8	93.6	106.4
92.5°	1.6	8.0	17.6	28.8	40.8	48.0	54.4	67.2	80.8	93.6	106.4
95°	4.0	8.8	18.4	30.4	42.4	49.6	55.2	68.0	81.6	94.4	106.4
97.5°	7.2	11.2	20.8	32.0	44.0	50.4	56.8	69.6	82.4	95.2	107.2
100°	9.6	12.8	22.4	33.6	45.6	52.0	58.4	70.4	83.2	96.0	107.2
102.5°	12.0	16.0	24.8	35.2	47.2	53.6	59.2	71.2	84.0	96.0	107.2
105°	15.2	18.4	26.4	37.6	48.8	55.2	60.8	72.8	84.8	96.8	107.2
107.5°	18.4	20.8	28.8	39.2	50.4	56.0	61.6	73.6	85.6	96.8	107.2
110°	22.4	24.0	31.2	40.8	51.2	57.6	63.2	74.4	85.6	96.8	107.2



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CATALOG NUMBER: 8TMB-SC3-FLTU-UNV-CC93-LOW-4000K

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	26.4	26.4	33.6	42.4	52.8	58.4	64.0	75.2	86.4	96.8	107.2
115°	29.6	30.4	36.0	44.0	54.4	60.0	64.8	75.2	86.4	96.8	106.4
117.5°	33.6	33.6	39.2	45.6	55.2	60.8	66.4	76.0	86.4	96.0	105.6
120°	37.6	36.8	41.6	48.0	56.8	61.6	67.2	76.8	86.4	96.0	104.8
122.5°	41.6	40.0	43.2	49.6	57.6	63.2	67.2	76.8	86.4	95.2	104.0
125°	44.8	43.2	45.6	52.0	59.2	64.0	68.0	76.8	86.4	94.4	103.2
127.5°	48.0	46.4	48.8	53.6	60.0	64.0	68.8	76.8	86.4	93.6	101.6
130°	51.2	48.8	52.0	55.2	61.6	64.8	68.8	76.8	85.6	92.8	100.0
132.5°	53.6	51.2	54.4	56.8	62.4	65.6	69.6	76.8	84.8	92.0	99.2
135°	55.2	52.8	56.8	58.4	64.0	67.2	70.4	76.8	84.0	91.2	97.6
137.5°	56.8	53.6	58.4	60.0	64.8	68.0	70.4	76.0	83.2	89.6	96.0
140°	57.6	55.2	60.0	61.6	64.0	67.2	70.4	75.2	81.6	88.0	93.6
142.5°	58.4	55.2	60.8	62.4	64.0	66.4	69.6	73.6	80.0	85.6	91.2
145°	58.4	56.0	60.8	62.4	64.0	65.6	68.0	72.8	77.6	82.4	88.0
147.5°	58.4	56.8	61.6	63.2	64.8	64.8	66.4	71.2	75.2	80.0	84.8
150°	59.2	56.8	61.6	63.2	65.6	65.6	66.4	68.8	73.6	76.8	80.8
152.5°	58.4	57.6	60.8	64.0	65.6	66.4	66.4	67.2	71.2	74.4	77.6
155°	59.2	59.2	61.6	65.6	66.4	66.4	67.2	66.4	68.0	71.2	74.4
157.5°	60.8	62.4	62.4	66.4	68.0	68.0	68.8	68.0	67.2	68.0	71.2
160°	63.2	64.8	64.8	67.2	69.6	69.6	70.4	69.6	68.8	68.0	68.0
162.5°	65.6	67.2	67.2	68.0	70.4	71.2	72.0	71.2	70.4	68.8	68.0
165°	68.0	69.6	69.6	69.6	71.2	72.0	72.8	72.0	72.0	70.4	69.6
167.5°	70.4	72.0	72.0	71.2	72.0	72.8	73.6	72.8	72.8	72.0	70.4
170°	72.8	74.4	74.4	72.8	73.6	73.6	74.4	73.6	73.6	72.0	71.2
172.5°	74.4	76.0	75.2	74.4	74.4	74.4	74.4	73.6	72.8	71.2	71.2
175°	75.2	76.8	76.8	75.2	74.4	74.4	75.2	73.6	72.8	72.0	70.4
177.5°	75.2	76.8	76.8	75.2	75.2	74.4	75.2	74.4	74.4	72.8	71.2
180°	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6



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CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	876.1	876.1	876.1	876.1	876.1	876.1	876.1	876.1	876.1	876.1
2.5°	872.9	872.1	867.3	872.9	872.9	871.3	877.7	876.9	876.1	874.5
5°	869.7	868.9	864.1	869.7	869.7	868.9	875.3	876.1	876.9	875.3
7.5°	864.9	864.1	859.3	864.9	864.9	864.1	871.3	872.1	872.9	870.5
10°	857.7	856.9	852.1	857.7	858.5	857.7	863.3	864.1	865.7	862.5
12.5°	848.1	848.1	843.3	848.9	849.7	848.9	854.5	856.1	857.7	853.7
15°	836.1	836.9	832.9	838.5	839.3	839.3	844.9	845.7	848.1	842.5
17.5°	821.7	823.3	820.1	825.7	826.5	827.3	830.5	832.9	835.3	828.9
20°	806.5	807.3	804.9	809.7	811.3	810.5	814.5	817.7	820.1	813.7
22.5°	788.1	788.9	786.5	791.3	792.9	793.7	796.9	800.9	802.5	796.9
25°	767.3	770.5	768.9	773.7	775.3	775.3	778.5	782.5	784.9	776.9
27.5°	747.3	751.3	749.7	754.5	756.1	756.9	758.5	763.3	765.7	758.5
30°	724.9	729.7	728.9	733.7	735.3	734.5	737.7	742.5	745.7	737.7
32.5°	700.1	706.5	705.7	712.1	713.7	714.5	716.9	723.3	726.5	719.3
35°	676.1	683.3	684.1	691.3	693.7	694.5	697.7	704.1	707.3	700.1
37.5°	651.3	660.9	663.3	670.5	672.9	673.7	676.9	684.1	687.3	680.1
40°	627.3	638.5	641.7	648.1	650.5	652.9	655.3	662.5	666.5	659.3
42.5°	603.3	615.3	619.3	625.7	628.1	630.5	633.7	641.7	644.9	638.5
45°	578.5	591.3	596.1	602.5	605.7	608.1	611.3	618.5	622.5	616.1
47.5°	553.7	566.5	571.3	578.5	581.7	584.9	587.3	596.1	600.1	593.7
50°	527.2	541.6	547.3	553.7	558.5	560.9	564.1	572.1	576.1	570.5
52.5°	500.8	516.0	522.4	528.8	533.6	537.6	539.2	548.1	552.1	546.4
55°	473.6	488.8	496.0	503.2	508.0	512.8	514.4	523.2	527.2	519.2
57.5°	446.4	462.4	469.6	477.6	481.6	487.2	489.6	497.6	501.6	496.0
60°	419.2	434.4	443.2	450.4	456.0	460.8	462.4	471.2	475.2	468.0
62.5°	391.2	407.2	416.0	424.0	428.8	434.4	436.8	444.8	448.0	440.8
65°	362.4	378.4	388.0	395.2	401.6	406.4	408.0	416.8	420.0	412.8
67.5°	333.6	349.6	360.0	368.0	373.6	379.2	380.8	389.6	392.8	387.2
70°	305.6	321.6	332.0	341.6	345.6	351.2	353.6	361.6	364.8	360.0
72.5°	277.6	293.6	304.8	314.4	318.4	324.0	327.2	333.6	338.4	334.4
75°	250.4	266.4	277.6	287.2	291.2	296.8	300.0	306.4	309.6	306.4
77.5°	224.0	240.0	250.4	260.0	264.8	269.6	272.8	279.2	283.2	280.0
80°	198.4	214.4	224.8	233.6	238.4	243.2	246.4	253.6	256.8	254.4
82.5°	174.4	189.6	200.8	209.6	214.4	219.2	222.4	228.8	232.8	229.6
85°	152.8	168.0	178.4	187.2	191.2	196.0	199.2	205.6	208.8	207.2
87.5°	132.0	145.6	157.6	166.4	170.4	175.2	179.2	184.0	188.0	185.6
90°	116.0	128.0	139.2	148.0	152.8	157.6	162.4	167.2	170.4	168.8
92.5°	116.8	128.0	138.4	146.4	151.2	156.0	160.8	166.4	168.8	167.2
95°	116.8	128.0	138.4	146.4	151.2	156.0	160.8	166.4	168.8	167.2
97.5°	116.8	128.0	138.4	146.4	151.2	156.0	160.8	166.4	168.8	166.4
100°	116.8	128.0	138.4	146.4	151.2	155.2	160.0	165.6	168.0	166.4
102.5°	116.8	128.0	137.6	145.6	150.4	154.4	159.2	164.8	167.2	165.6
105°	116.8	127.2	137.6	144.8	149.6	153.6	158.4	163.2	165.6	164.0
107.5°	116.0	126.4	136.0	144.0	148.0	152.0	156.8	161.6	164.0	162.4
110°	116.0	125.6	135.2	142.4	146.4	150.4	155.2	160.0	162.4	160.8



TEST NUMBER: P895416

CATALOG NUMBER: 8TMB-SC3-FLTU-UNV-CC93-LOW-4000K

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	115.2	124.8	134.4	140.8	144.8	148.8	152.8	158.4	160.8	159.2
115°	114.4	124.0	132.8	139.2	143.2	146.4	151.2	156.8	158.4	157.6
117.5°	113.6	122.4	131.2	137.6	141.6	144.8	148.8	153.6	156.0	155.2
120°	112.8	120.8	129.6	135.2	139.2	142.4	145.6	150.4	152.8	151.2
122.5°	111.2	119.2	128.0	133.6	136.8	140.0	143.2	147.2	149.6	148.8
125°	109.6	117.6	125.6	131.2	134.4	136.8	140.0	144.0	145.6	144.8
127.5°	108.0	116.0	123.2	128.0	132.0	134.4	136.8	140.8	142.4	141.6
130°	106.4	113.6	120.8	125.6	128.8	131.2	133.6	137.6	138.4	138.4
132.5°	104.8	111.2	118.4	123.2	126.4	128.0	130.4	133.6	135.2	134.4
135°	103.2	108.8	116.0	120.0	122.4	124.8	127.2	130.4	131.2	131.2
137.5°	100.8	106.4	112.8	116.8	119.2	120.8	123.2	126.4	127.2	127.2
140°	98.4	104.0	109.6	112.8	116.0	117.6	119.2	122.4	123.2	123.2
142.5°	96.0	100.8	106.4	109.6	112.8	113.6	116.0	118.4	119.2	119.2
145°	92.8	98.4	103.2	106.4	108.8	109.6	112.0	114.4	114.4	115.2
147.5°	88.8	93.6	100.0	102.4	104.8	105.6	108.0	109.6	110.4	110.4
150°	84.8	89.6	95.2	99.2	101.6	102.4	103.2	105.6	105.6	106.4
152.5°	80.8	84.8	90.4	94.4	97.6	98.4	99.2	100.8	100.8	101.6
155°	76.8	80.0	84.8	88.8	92.0	93.6	95.2	96.8	96.8	97.6
157.5°	73.6	76.8	80.8	84.0	86.4	88.8	91.2	92.8	92.8	92.8
160°	69.6	72.0	76.0	78.4	81.6	83.2	87.2	88.8	88.8	89.6
162.5°	67.2	68.0	70.4	72.8	75.2	76.8	80.8	84.8	84.8	85.6
165°	68.0	67.2	68.0	68.8	70.4	71.2	73.6	79.2	80.8	81.6
167.5°	69.6	67.2	67.2	67.2	68.8	68.8	71.2	74.4	80.0	78.4
170°	69.6	67.2	65.6	65.6	66.4	65.6	67.2	69.6	72.8	76.0
172.5°	70.4	68.0	65.6	62.4	63.2	62.4	60.8	60.8	61.6	72.0
175°	69.6	68.0	64.8	60.8	60.0	57.6	52.8	48.8	46.4	36.0
177.5°	68.8	66.4	64.0	60.8	59.2	56.8	51.2	44.8	38.4	36.8
180°	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6



TEST NUMBER: P895416
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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	11.65	12.97	12.26	13.60	14.32	14.28	15.60	14.89	16.23	16.95
	3H	13.05	14.25	13.68	14.89	15.65	16.74	17.94	17.37	18.58	19.34
	4H	13.48	14.62	14.13	15.27	16.04	17.91	19.04	18.55	19.70	20.47
	6H	13.72	14.77	14.38	15.44	16.22	19.09	20.14	19.75	20.81	21.59
	8H	13.76	14.77	14.43	15.46	16.24	19.68	20.69	20.35	21.38	22.17
	12H	13.77	14.74	14.45	15.42	16.23	20.31	21.28	20.99	21.96	22.78
4H	2H	12.55	13.69	13.20	14.34	15.11	14.62	15.76	15.27	16.41	17.18
	3H	14.17	15.14	14.84	15.83	16.62	17.28	18.25	17.95	18.94	19.73
	4H	14.73	15.61	15.41	16.31	17.13	18.60	19.49	19.28	20.18	21.00
	6H	15.06	15.84	15.76	16.56	17.39	19.95	20.73	20.65	21.45	22.28
	8H	15.14	15.87	15.84	16.59	17.43	20.64	21.37	21.34	22.09	22.93
	12H	15.17	15.83	15.90	16.58	17.42	21.39	22.06	22.12	22.80	23.65
8H	4H	15.39	16.12	16.09	16.84	17.68	18.75	19.48	19.45	20.20	21.04
	6H	15.89	16.51	16.63	17.27	18.11	20.24	20.86	20.98	21.62	22.46
	8H	16.05	16.60	16.79	17.37	18.22	21.05	21.61	21.80	22.37	23.23
	12H	16.14	16.63	16.89	17.39	18.30	21.96	22.46	22.71	23.21	24.13
12H	4H	15.56	16.22	16.29	16.97	17.81	18.74	19.40	19.46	20.14	20.99
	6H	16.16	16.72	16.90	17.48	18.33	20.26	20.81	21.00	21.58	22.43
	8H	16.39	16.89	17.14	17.64	18.56	21.12	21.61	21.87	22.37	23.28