

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: P895417

Luminaire Tested: 8TMB-SC3-FLTU-UNV-CC93-LOW-5000K

Issue Date: 11/11/2024

**Test Information**

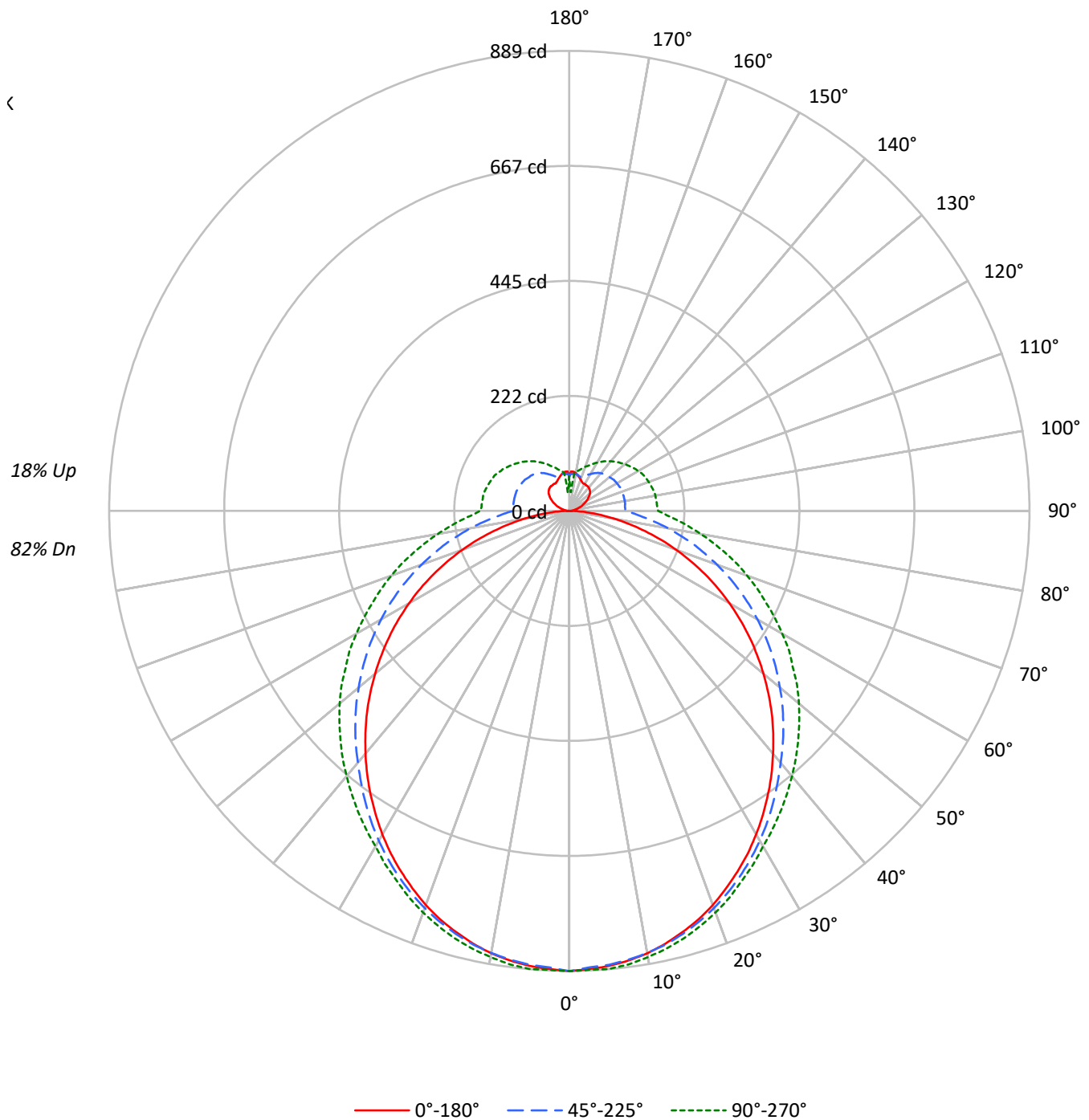
Test Method: LM-79-2019  
Report Number: P895417  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2403-327-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/11/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 8TMB-SC3-FLTU-UNV-CC93-LOW-5000K  
Description: Selectable 8FT MICROBAY LINEAR BAY with FLAT FROSTED LENS WITH UPLIGHT, 90CRI, 5000K CCT, LOW lumen setting  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3362.0 lumens  
Efficiency: N/A  
Efficacy: 100.4 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

TEST NUMBER: P895417  
CATALOG NUMBER: 8TMB-SC3-FLTU-UNV-CC93-LOW-5000K

### 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°	3155	3155	3155
5°	3137	3028	3020
10°	3114	2916	2876
15°	3075	2804	2739
20°	3032	2688	2600
25°	2975	2567	2459
30°	2914	2442	2331
35°	2847	2317	2224
40°	2776	2194	2123
45°	2705	2087	2027
50°	2622	1976	1934
55°	2533	1867	1829
60°	2426	1750	1730
65°	2298	1626	1618
70°	2130	1489	1513
75°	1897	1350	1401
80°	1589	1201	1285
85°	1198	1050	1179

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2705 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.1	2.5
10°-20°	239.9	7.1
20°-30°	360.4	10.7
30°-40°	432.7	12.9
40°-50°	455.0	13.5
50°-60°	427.5	12.7
60°-70°	355.5	10.6
70°-80°	253.7	7.5
80°-90°	151.0	4.5
90°-100°	109.3	3.3
100°-110°	107.8	3.2
110°-120°	101.3	3.0
120°-130°	89.8	2.7
130°-140°	74.4	2.2
140°-150°	55.7	1.7
150°-160°	36.6	1.1
160°-170°	20.8	0.6
170°-180°	6.6	0.2
0°-30°	684.3	20.4
0°-40°	1117.0	33.2
0°-60°	1999.5	59.5
0°-90°	2759.7	82.1
90°-120°	318.4	9.5
90°-150°	538.3	16.0
90°-180°	602.0	17.9
0°-180°	3362.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	889	889	889	889	889	
5°	883	893	880	883	888	84
15°	843	856	846	852	855	238
25°	769	784	780	787	789	354
35°	669	685	687	704	711	419
45°	553	568	585	615	625	426
55°	425	442	477	516	527	379
65°	289	313	362	408	419	286
75°	152	186	248	296	311	161
85°	38	84	145	194	210	42
90°	0	48	108	155	171	3
95°	4	50	108	154	170	5
105°	15	56	109	152	166	16
115°	30	61	108	145	160	30
125°	46	65	105	136	147	41
135°	56	68	99	124	133	43
145°	59	67	89	110	117	37
155°	60	67	76	93	99	28
165°	69	73	71	72	83	19
175°	76	76	72	61	36	7
180°	67	67	67	67	67	



TEST NUMBER: P895417

CATALOG NUMBER: 8TMB-SC3-FLTU-UNV-CC93-LOW-5000K

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
0°	889.3	889.3	889.3	889.3	889.3	889.3	889.3	889.3	889.3	889.3	889.3
2.5°	886.1	888.5	889.3	897.4	894.2	897.4	891.7	885.2	883.6	887.7	882.8
5°	882.8	885.2	886.1	894.2	890.9	893.4	888.5	882.0	880.4	885.2	880.4
7.5°	876.3	878.7	879.6	888.5	884.4	887.7	882.0	875.5	874.7	879.6	874.7
10°	868.2	870.6	871.4	879.6	876.3	879.6	873.9	867.4	866.6	872.3	867.4
12.5°	856.8	859.3	860.9	869.0	864.9	869.0	862.5	856.0	856.8	861.7	858.4
15°	843.0	846.3	847.1	855.2	851.9	856.0	849.5	843.0	844.6	849.5	846.3
17.5°	828.4	831.6	832.5	839.8	836.5	841.4	834.1	828.4	830.0	834.9	832.5
20°	810.5	813.8	815.4	822.7	819.5	824.3	817.0	812.2	813.8	819.5	817.0
22.5°	790.2	795.1	795.9	804.0	800.0	804.8	797.5	793.5	795.9	801.6	799.2
25°	769.1	774.0	774.8	782.9	779.7	783.7	776.4	772.4	775.6	781.3	779.7
27.5°	746.4	751.2	752.9	760.2	756.9	761.8	753.7	751.2	754.5	760.2	758.5
30°	722.0	726.9	727.7	735.0	732.6	737.4	730.1	726.9	731.7	737.4	735.8
32.5°	696.0	700.9	703.3	709.8	707.4	711.4	704.9	703.3	707.4	713.1	712.3
35°	669.2	674.1	676.5	683.8	680.6	684.6	678.1	676.5	683.0	687.1	687.1
37.5°	641.6	646.5	648.9	656.2	652.2	657.0	650.5	649.7	657.0	661.1	661.1
40°	612.4	618.0	620.5	627.0	623.7	627.8	622.1	622.9	629.4	634.3	635.1
42.5°	583.1	588.8	591.2	598.6	594.5	598.6	593.7	594.5	601.8	606.7	610.7
45°	553.1	557.9	560.4	568.5	563.6	568.5	563.6	565.3	572.6	579.9	584.7
47.5°	521.4	526.3	530.3	536.8	532.8	536.8	533.6	536.0	545.0	552.3	558.8
50°	489.7	494.6	498.7	504.3	500.3	506.0	501.9	505.2	516.5	523.8	531.1
52.5°	457.2	461.3	467.8	471.0	467.8	474.3	471.0	475.9	487.3	496.2	504.3
55°	424.8	428.8	435.3	437.7	434.5	441.8	439.4	445.9	458.1	467.8	476.7
57.5°	391.5	395.5	401.2	403.6	401.2	409.3	408.5	415.8	428.0	438.6	448.3
60°	357.3	361.4	366.3	368.7	368.7	376.8	376.8	385.8	398.8	408.5	419.9
62.5°	324.0	326.5	331.4	334.6	337.0	345.2	345.2	354.9	368.7	380.1	391.5
65°	289.1	291.6	295.6	299.7	303.7	312.7	313.5	324.0	337.9	349.2	362.2
67.5°	254.2	256.6	260.7	265.6	271.3	280.2	281.8	293.2	307.8	320.8	333.0
70°	220.1	220.9	225.8	232.3	238.8	247.7	250.1	262.3	277.8	290.8	303.7
72.5°	186.0	186.8	191.7	199.8	207.1	216.8	220.1	233.1	248.5	261.5	274.5
75°	151.9	152.7	159.2	168.9	177.0	186.0	190.0	203.9	219.3	233.1	247.7
77.5°	119.4	121.0	127.5	137.3	147.0	157.6	161.6	175.4	192.5	205.5	219.3
80°	89.3	91.0	98.3	108.8	119.4	129.1	134.0	147.8	165.7	178.7	194.1
82.5°	61.7	64.2	73.1	84.5	95.0	105.6	110.5	123.4	139.7	154.3	168.9
85°	38.2	41.4	50.4	62.5	73.9	83.7	88.5	102.3	117.8	131.6	145.4
87.5°	17.9	22.7	31.7	43.9	56.0	64.2	69.8	83.7	98.3	112.1	125.9
90°	0.0	7.3	16.2	28.4	40.6	47.9	54.4	67.4	82.0	95.0	108.0
92.5°	1.6	8.1	17.9	29.2	41.4	48.7	55.2	68.2	82.0	95.0	108.0
95°	4.1	8.9	18.7	30.9	43.0	50.4	56.0	69.0	82.8	95.8	108.0
97.5°	7.3	11.4	21.1	32.5	44.7	51.2	57.7	70.7	83.7	96.6	108.8
100°	9.7	13.0	22.7	34.1	46.3	52.8	59.3	71.5	84.5	97.5	108.8
102.5°	12.2	16.2	25.2	35.7	47.9	54.4	60.1	72.3	85.3	97.5	108.8
105°	15.4	18.7	26.8	38.2	49.5	56.0	61.7	73.9	86.1	98.3	108.8
107.5°	18.7	21.1	29.2	39.8	51.2	56.9	62.5	74.7	86.9	98.3	108.8
110°	22.7	24.4	31.7	41.4	52.0	58.5	64.2	75.5	86.9	98.3	108.8



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CATALOG NUMBER: 8TMB-SC3-FLTU-UNV-CC93-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	0°	5°	10°	15°	20°	22.5°	25°	30°	35°	40°	45°
112.5°	26.8	26.8	34.1	43.0	53.6	59.3	65.0	76.3	87.7	98.3	108.8
115°	30.0	30.9	36.5	44.7	55.2	60.9	65.8	76.3	87.7	98.3	108.0
117.5°	34.1	34.1	39.8	46.3	56.0	61.7	67.4	77.2	87.7	97.5	107.2
120°	38.2	37.4	42.2	48.7	57.7	62.5	68.2	78.0	87.7	97.5	106.4
122.5°	42.2	40.6	43.9	50.4	58.5	64.2	68.2	78.0	87.7	96.6	105.6
125°	45.5	43.9	46.3	52.8	60.1	65.0	69.0	78.0	87.7	95.8	104.8
127.5°	48.7	47.1	49.5	54.4	60.9	65.0	69.8	78.0	87.7	95.0	103.1
130°	52.0	49.5	52.8	56.0	62.5	65.8	69.8	78.0	86.9	94.2	101.5
132.5°	54.4	52.0	55.2	57.7	63.3	66.6	70.7	78.0	86.1	93.4	100.7
135°	56.0	53.6	57.7	59.3	65.0	68.2	71.5	78.0	85.3	92.6	99.1
137.5°	57.7	54.4	59.3	60.9	65.8	69.0	71.5	77.2	84.5	91.0	97.5
140°	58.5	56.0	60.9	62.5	65.0	68.2	71.5	76.3	82.8	89.3	95.0
142.5°	59.3	56.0	61.7	63.3	65.0	67.4	70.7	74.7	81.2	86.9	92.6
145°	59.3	56.9	61.7	63.3	65.0	66.6	69.0	73.9	78.8	83.7	89.3
147.5°	59.3	57.7	62.5	64.2	65.8	65.8	67.4	72.3	76.3	81.2	86.1
150°	60.1	57.7	62.5	64.2	66.6	66.6	67.4	69.8	74.7	78.0	82.0
152.5°	59.3	58.5	61.7	65.0	66.6	67.4	67.4	68.2	72.3	75.5	78.8
155°	60.1	60.1	62.5	66.6	67.4	67.4	68.2	67.4	69.0	72.3	75.5
157.5°	61.7	63.3	63.3	67.4	69.0	69.0	69.8	69.0	68.2	69.0	72.3
160°	64.2	65.8	65.8	68.2	70.7	70.7	71.5	70.7	69.8	69.0	69.0
162.5°	66.6	68.2	68.2	69.0	71.5	72.3	73.1	72.3	71.5	69.8	69.0
165°	69.0	70.7	70.7	70.7	72.3	73.1	73.9	73.1	73.1	71.5	70.7
167.5°	71.5	73.1	73.1	72.3	73.1	73.9	74.7	73.9	73.9	73.1	71.5
170°	73.9	75.5	75.5	73.9	74.7	74.7	75.5	74.7	74.7	73.1	72.3
172.5°	75.5	77.2	76.3	75.5	75.5	75.5	75.5	74.7	73.9	72.3	72.3
175°	76.3	78.0	78.0	76.3	75.5	75.5	76.3	74.7	73.9	73.1	71.5
177.5°	76.3	78.0	78.0	76.3	76.3	75.5	76.3	75.5	75.5	73.9	72.3
180°	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6



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**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
0°	889.3	889.3	889.3	889.3	889.3	889.3	889.3	889.3	889.3	889.3
2.5°	886.1	885.2	880.4	886.1	886.1	884.4	890.9	890.1	889.3	887.7
5°	882.8	882.0	877.1	882.8	882.8	882.0	888.5	889.3	890.1	888.5
7.5°	877.9	877.1	872.3	877.9	877.9	877.1	884.4	885.2	886.1	883.6
10°	870.6	869.8	864.9	870.6	871.4	870.6	876.3	877.1	878.7	875.5
12.5°	860.9	860.9	856.0	861.7	862.5	861.7	867.4	869.0	870.6	866.6
15°	848.7	849.5	845.4	851.1	851.9	851.9	857.6	858.4	860.9	855.2
17.5°	834.1	835.7	832.5	838.1	839.0	839.8	843.0	845.4	847.9	841.4
20°	818.6	819.5	817.0	821.9	823.5	822.7	826.8	830.0	832.5	826.0
22.5°	800.0	800.8	798.3	803.2	804.8	805.7	808.9	813.0	814.6	808.9
25°	778.9	782.1	780.5	785.4	787.0	787.0	790.2	794.3	796.7	788.6
27.5°	758.5	762.6	761.0	765.9	767.5	768.3	769.9	774.8	777.2	769.9
30°	735.8	740.7	739.9	744.7	746.4	745.6	748.8	753.7	756.9	748.8
32.5°	710.6	717.1	716.3	722.8	724.4	725.3	727.7	734.2	737.4	730.1
35°	686.3	693.6	694.4	701.7	704.1	704.9	708.2	714.7	717.9	710.6
37.5°	661.1	670.8	673.3	680.6	683.0	683.8	687.1	694.4	697.6	690.3
40°	636.7	648.1	651.3	657.8	660.3	662.7	665.2	672.5	676.5	669.2
42.5°	612.4	624.5	628.6	635.1	637.5	640.0	643.2	651.3	654.6	648.1
45°	587.2	600.2	605.1	611.6	614.8	617.2	620.5	627.8	631.9	625.4
47.5°	562.0	575.0	579.9	587.2	590.4	593.7	596.1	605.1	609.1	602.6
50°	535.2	549.8	555.5	562.0	566.9	569.3	572.6	580.7	584.7	579.1
52.5°	508.4	523.8	530.3	536.8	541.7	545.8	547.4	556.3	560.4	554.7
55°	480.8	496.2	503.5	510.8	515.7	520.6	522.2	531.1	535.2	527.1
57.5°	453.2	469.4	476.7	484.9	488.9	494.6	497.0	505.2	509.2	503.5
60°	425.6	441.0	449.9	457.2	462.9	467.8	469.4	478.4	482.4	475.1
62.5°	397.1	413.4	422.3	430.4	435.3	441.0	443.4	451.6	454.8	447.5
65°	367.9	384.1	393.9	401.2	407.7	412.6	414.2	423.1	426.4	419.1
67.5°	338.7	354.9	365.5	373.6	379.3	385.0	386.6	395.5	398.8	393.1
70°	310.2	326.5	337.0	346.8	350.8	356.5	359.0	367.1	370.3	365.5
72.5°	281.8	298.1	309.4	319.2	323.2	328.9	332.2	338.7	343.5	339.5
75°	254.2	270.4	281.8	291.6	295.6	301.3	304.6	311.1	314.3	311.1
77.5°	227.4	243.6	254.2	263.9	268.8	273.7	276.9	283.4	287.5	284.3
80°	201.4	217.7	228.2	237.1	242.0	246.9	250.1	257.5	260.7	258.3
82.5°	177.0	192.5	203.9	212.8	217.7	222.5	225.8	232.3	236.3	233.1
85°	155.1	170.6	181.1	190.0	194.1	199.0	202.2	208.7	212.0	210.3
87.5°	134.0	147.8	160.0	168.9	173.0	177.9	181.9	186.8	190.9	188.4
90°	117.8	129.9	141.3	150.2	155.1	160.0	164.9	169.7	173.0	171.4
92.5°	118.6	129.9	140.5	148.6	153.5	158.4	163.2	168.9	171.4	169.7
95°	118.6	129.9	140.5	148.6	153.5	158.4	163.2	168.9	171.4	169.7
97.5°	118.6	129.9	140.5	148.6	153.5	158.4	163.2	168.9	171.4	168.9
100°	118.6	129.9	140.5	148.6	153.5	157.6	162.4	168.1	170.6	168.9
102.5°	118.6	129.9	139.7	147.8	152.7	156.7	161.6	167.3	169.7	168.1
105°	118.6	129.1	139.7	147.0	151.9	155.9	160.8	165.7	168.1	166.5
107.5°	117.8	128.3	138.1	146.2	150.2	154.3	159.2	164.1	166.5	164.9
110°	117.8	127.5	137.3	144.6	148.6	152.7	157.6	162.4	164.9	163.2





TEST NUMBER: P895417

CATALOG NUMBER: 8TMB-SC3-FLTU-UNV-CC93-LOW-5000K

**CANDELA DISTRIBUTION (continued):**

	50°	55°	60°	65°	67.5°	70°	75°	80°	85°	90°
112.5°	116.9	126.7	136.4	142.9	147.0	151.1	155.1	160.8	163.2	161.6
115°	116.1	125.9	134.8	141.3	145.4	148.6	153.5	159.2	160.8	160.0
117.5°	115.3	124.3	133.2	139.7	143.8	147.0	151.1	155.9	158.4	157.6
120°	114.5	122.6	131.6	137.3	141.3	144.6	147.8	152.7	155.1	153.5
122.5°	112.9	121.0	129.9	135.6	138.9	142.1	145.4	149.4	151.9	151.1
125°	111.3	119.4	127.5	133.2	136.4	138.9	142.1	146.2	147.8	147.0
127.5°	109.6	117.8	125.1	129.9	134.0	136.4	138.9	142.9	144.6	143.8
130°	108.0	115.3	122.6	127.5	130.8	133.2	135.6	139.7	140.5	140.5
132.5°	106.4	112.9	120.2	125.1	128.3	129.9	132.4	135.6	137.3	136.4
135°	104.8	110.5	117.8	121.8	124.3	126.7	129.1	132.4	133.2	133.2
137.5°	102.3	108.0	114.5	118.6	121.0	122.6	125.1	128.3	129.1	129.1
140°	99.9	105.6	111.3	114.5	117.8	119.4	121.0	124.3	125.1	125.1
142.5°	97.5	102.3	108.0	111.3	114.5	115.3	117.8	120.2	121.0	121.0
145°	94.2	99.9	104.8	108.0	110.5	111.3	113.7	116.1	116.1	116.9
147.5°	90.1	95.0	101.5	104.0	106.4	107.2	109.6	111.3	112.1	112.1
150°	86.1	91.0	96.6	100.7	103.1	104.0	104.8	107.2	107.2	108.0
152.5°	82.0	86.1	91.8	95.8	99.1	99.9	100.7	102.3	102.3	103.1
155°	78.0	81.2	86.1	90.1	93.4	95.0	96.6	98.3	98.3	99.1
157.5°	74.7	78.0	82.0	85.3	87.7	90.1	92.6	94.2	94.2	94.2
160°	70.7	73.1	77.2	79.6	82.8	84.5	88.5	90.1	90.1	91.0
162.5°	68.2	69.0	71.5	73.9	76.3	78.0	82.0	86.1	86.1	86.9
165°	69.0	68.2	69.0	69.8	71.5	72.3	74.7	80.4	82.0	82.8
167.5°	70.7	68.2	68.2	68.2	69.8	69.8	72.3	75.5	81.2	79.6
170°	70.7	68.2	66.6	66.6	67.4	66.6	68.2	70.7	73.9	77.2
172.5°	71.5	69.0	66.6	63.3	64.2	63.3	61.7	61.7	62.5	73.1
175°	70.7	69.0	65.8	61.7	60.9	58.5	53.6	49.5	47.1	36.5
177.5°	69.8	67.4	65.0	61.7	60.1	57.7	52.0	45.5	39.0	37.4
180°	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6	66.6



TEST NUMBER: P895417  
 CATALOG NUMBER: 8TMB-SC3-FLTU-UNV-CC93-LOW-5000K

**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	11.70	13.02	12.32	13.65	14.37	14.33	15.65	14.94	16.28	17.00
	3H	13.10	14.30	13.73	14.95	15.70	16.79	17.99	17.42	18.63	19.39
	4H	13.53	14.67	14.18	15.32	16.09	17.96	19.10	18.61	19.75	20.52
	6H	13.77	14.82	14.43	15.49	16.28	19.14	20.20	19.80	20.86	21.65
	8H	13.81	14.82	14.48	15.51	16.30	19.73	20.74	20.40	21.43	22.22
	12H	13.82	14.79	14.50	15.47	16.29	20.36	21.33	21.04	22.01	22.83
4H	2H	12.60	13.74	13.25	14.39	15.16	14.67	15.81	15.32	16.47	17.23
	3H	14.23	15.19	14.89	15.88	16.67	17.34	18.30	18.00	19.00	19.78
	4H	14.78	15.66	15.46	16.36	17.18	18.65	19.54	19.33	20.23	21.05
	6H	15.12	15.90	15.82	16.62	17.44	20.00	20.78	20.70	21.50	22.33
	8H	15.19	15.92	15.90	16.64	17.48	20.69	21.43	21.40	22.14	22.99
	12H	15.22	15.89	15.95	16.63	17.48	21.45	22.11	22.17	22.85	23.70
8H	4H	15.44	16.17	16.15	16.89	17.73	18.80	19.53	19.50	20.25	21.09
	6H	15.95	16.56	16.68	17.32	18.17	20.29	20.91	21.03	21.67	22.52
	8H	16.10	16.66	16.85	17.42	18.28	21.10	21.66	21.85	22.42	23.28
	12H	16.19	16.69	16.94	17.44	18.35	22.02	22.51	22.76	23.26	24.18
12H	4H	15.61	16.28	16.34	17.02	17.87	18.79	19.45	19.52	20.20	21.04
	6H	16.21	16.77	16.96	17.53	18.39	20.31	20.87	21.06	21.63	22.49
	8H	16.45	16.94	17.19	17.69	18.61	21.17	21.67	21.92	22.42	23.34