

LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: HALO

Report Number: P869755

Luminaire Tested: **SMX18SLSFSD2W-2500LM-5000K**

Issue Date: 8/29/2024

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P869755
 Test Lab:
 Issue Date: 8/29/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: SMX18SLSFSD2W-2500LM-5000K
 Description: 18IN SQUARE, 90CRI, DIMMING TO 10%, DAMP LOCATION
 Light Source: SELECTABLE CCT 90CRI / 5000K CCT
 Ballast/Driver: -

Summary

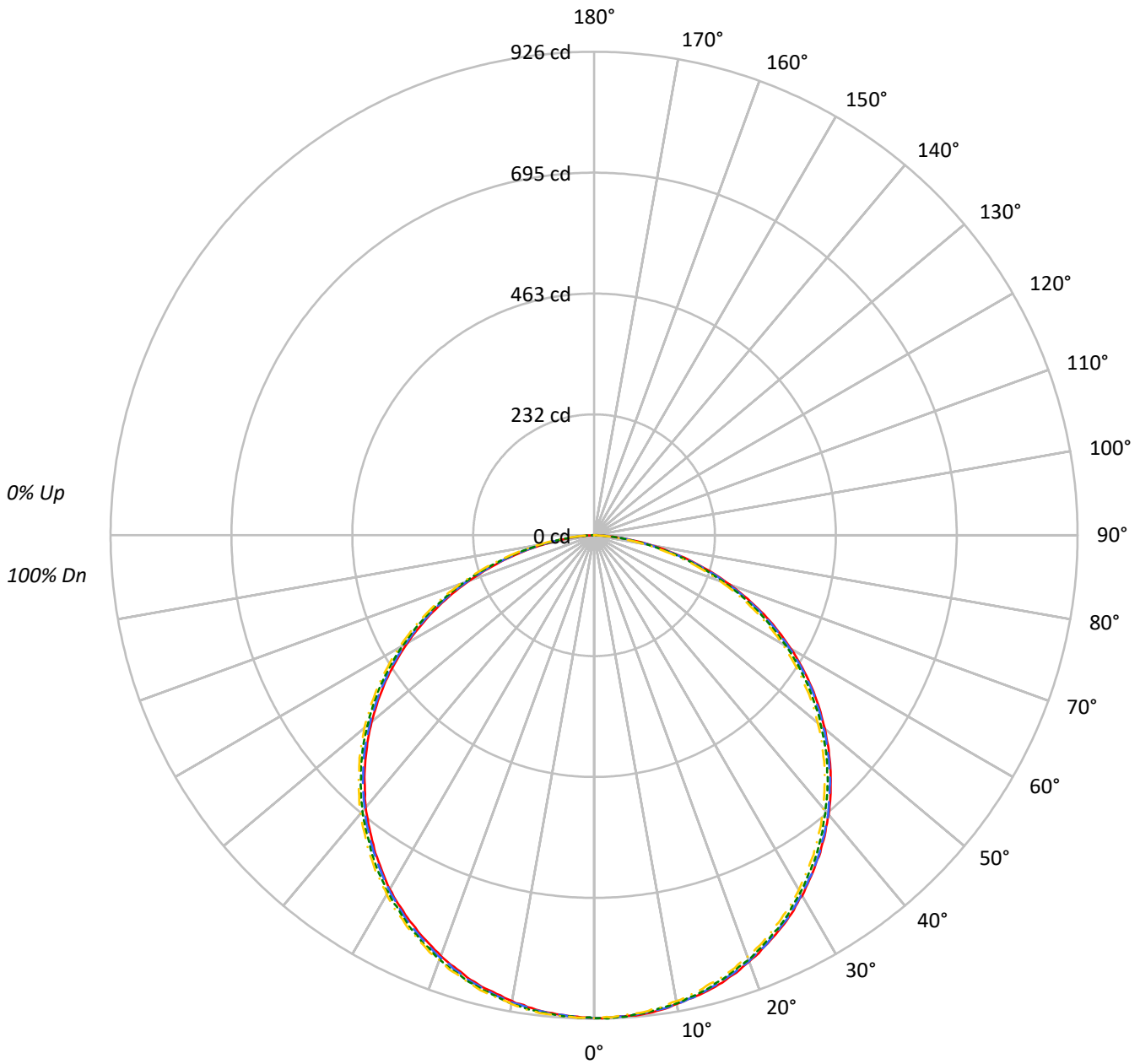
Lumens per Lamp: N/A
 Luminaire Lumens: 2700.0 lumens
 Efficiency: N/A
 Efficacy: 90.9 lumens/watt
 Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
 Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 29.7
 Input Voltage (V): NR
 Input Current (Ain): NR
 Voltage Rise (V): NR
 Power Factor: NR
 Total Harmonic Distortion (THDi): NR
 Frequency (hertz): 60
 Stabilization Time: NR
 Operation Time: NR
 Ambient Temperature (°C): NR
 Test Distance: 25 FT

Measurement and Test Equipment			
Instrument	Identification Number	Calibration Date	Calibration Due Date
Photometer	GONIO 1 IN0055	4/22/2021	10/22/2021
Power Meter	XITRON 2801 IN0197	12/1/2020	12/1/2021
AC Power Source	CHROMA 61505 IN0196	12/1/2020	12/1/2021
DC Power Supply	AGILENT E3634A IN0198	11/30/2020	11/30/2021
Room Thermometer	ONSET IN0143	12/1/2020	12/1/2021

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Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - · - · 135°-315°

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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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84	84	84
2	99	90	83	78	96	88	82	77	85	80	75	82	77	73	79	75	72	69	69	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58	58	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50	50	50
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43	43	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37	37	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33	33	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29	29	29
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26	26	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	26	24	24	24

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4425	4425	4425	4425
5°	4433	4423	4412	4422
10°	4428	4423	4401	4425
15°	4437	4407	4386	4410
20°	4423	4407	4367	4402
25°	4413	4390	4341	4386
30°	4405	4364	4323	4361
35°	4386	4343	4288	4339
40°	4365	4307	4248	4309
45°	4334	4271	4198	4274
50°	4297	4224	4137	4213
55°	4243	4164	4063	4152
60°	4169	4068	3948	4051
65°	4062	3934	3786	3919
70°	3872	3723	3544	3707
75°	3588	3405	3174	3362
80°	3146	2882	2581	2829
85°	2410	2031	1597	1960

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.6	3.2
10°-20°	251.4	9.3
20°-30°	382.8	14.2
30°-40°	464.7	17.2
40°-50°	486.7	18.0
50°-60°	445.0	16.5
60°-70°	342.6	12.7
70°-80°	193.6	7.2
80°-90°	45.6	1.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	721.8	26.7
0°-40°	1186.5	43.9
0°-60°	2118.2	78.5
0°-90°	2700.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2700.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	925	925	925	925	925	
5°	923	921	919	921	923	88
15°	896	890	886	890	896	253
25°	836	832	822	831	836	385
35°	751	744	734	743	751	469
45°	641	631	620	632	641	494
55°	509	499	487	498	509	454
65°	359	348	334	346	359	354
75°	194	184	172	182	194	205
85°	44	37	29	36	44	53
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	924.9	924.9	924.9	924.9	924.9	924.9	924.9	924.9	924.9	924.9	924.9
0.5°	924.7	924.4	925.0	924.3	925.2	926.0	924.3	924.9	924.3	924.7	923.8
1°	925.5	923.9	925.1	924.8	924.7	925.1	923.6	924.2	923.7	924.3	924.9
1.5°	924.6	924.6	924.2	924.8	925.9	924.9	922.9	924.0	924.0	923.6	924.6
2°	924.1	923.5	923.9	924.6	925.5	924.5	924.2	922.9	922.7	922.8	922.8
2.5°	924.0	924.3	923.6	924.6	924.7	924.5	923.1	922.8	922.5	922.5	922.6
3°	922.7	924.5	923.3	923.7	923.9	923.7	921.9	923.4	922.3	921.5	922.7
3.5°	923.2	924.7	923.0	923.6	924.1	922.8	921.9	922.7	921.2	921.3	921.3
4°	922.9	923.7	922.7	923.8	923.5	922.3	920.0	921.9	920.4	921.7	920.4
4.5°	922.8	923.6	921.5	923.5	922.5	922.1	920.0	920.1	920.4	920.8	920.2
5°	923.2	922.7	921.5	922.1	921.1	921.7	919.3	919.6	918.8	918.5	921.0
5.5°	922.6	922.1	920.8	920.5	920.4	920.5	918.9	918.2	918.6	917.5	919.6
6°	922.1	922.1	920.1	920.7	920.4	918.6	918.2	917.9	917.8	916.6	917.9
6.5°	921.2	921.7	919.3	919.1	919.3	918.9	916.8	916.6	916.5	915.9	917.2
7°	920.7	921.0	918.5	918.7	918.2	917.7	914.3	914.9	915.3	914.3	917.1
7.5°	919.1	918.8	917.2	916.9	915.9	916.9	914.2	914.0	913.5	913.2	915.3
8°	918.0	916.9	916.6	916.6	914.4	915.8	913.4	912.4	912.6	912.1	912.7
8.5°	917.0	915.7	916.2	914.3	913.9	914.5	911.9	911.4	909.8	911.1	911.7
9°	915.7	914.2	914.7	913.8	912.7	913.3	909.6	910.3	908.7	909.3	910.3
9.5°	913.5	913.6	912.7	911.7	911.7	912.0	907.3	907.9	908.4	908.0	909.9
10°	911.5	911.6	910.9	911.0	910.6	910.3	906.1	906.2	905.9	907.4	908.3
10.5°	910.4	910.4	910.3	908.7	908.9	907.7	905.0	904.5	904.0	905.3	906.4
11°	908.8	908.8	908.9	907.9	906.9	906.4	903.0	904.0	902.2	902.7	904.3
11.5°	906.8	907.9	906.5	905.4	903.9	905.1	901.3	901.6	899.3	901.5	902.7
12°	906.0	905.6	905.4	903.5	903.0	903.6	898.7	900.8	898.1	899.0	901.6
12.5°	904.4	903.7	904.6	901.9	901.8	901.8	896.7	898.9	895.7	897.2	899.3
13°	902.7	903.3	902.3	899.7	899.7	899.6	895.3	896.1	894.0	895.7	896.3
13.5°	901.0	901.6	899.3	898.0	897.8	897.3	892.8	894.6	893.1	893.9	893.7
14°	899.3	899.6	897.2	896.8	895.9	893.4	889.6	892.1	890.9	892.3	892.5
14.5°	897.2	896.8	894.7	893.8	893.4	892.1	887.3	889.3	888.1	889.4	890.3
15°	895.8	894.3	892.9	892.6	889.8	890.4	885.8	887.1	885.5	886.0	888.7
15.5°	892.8	892.4	890.9	889.6	887.8	887.7	884.1	884.3	883.6	883.6	886.5
16°	891.2	889.8	888.0	887.7	886.3	885.8	881.5	881.9	881.2	882.0	884.1
16.5°	888.4	887.4	885.7	884.6	883.2	883.4	878.9	879.5	877.4	879.5	881.3
17°	885.0	884.3	883.0	883.1	880.6	880.8	876.3	877.5	874.3	876.0	877.7
17.5°	883.1	882.2	880.9	879.3	877.3	878.0	874.0	874.8	871.8	873.0	875.2
18°	881.2	879.9	878.2	876.7	875.4	874.8	871.6	871.4	869.0	870.3	872.7
18.5°	878.1	877.4	875.7	873.8	872.0	872.3	867.4	867.8	866.8	867.5	868.9
19°	874.3	875.1	872.7	871.1	870.2	869.3	864.6	865.0	863.3	864.6	865.2
19.5°	871.5	872.7	870.7	868.2	867.1	866.5	862.2	861.8	860.8	861.7	863.0
20°	868.7	868.9	868.0	866.1	865.6	863.9	859.2	858.7	857.7	858.5	860.9
20.5°	865.5	865.4	863.9	862.5	862.2	860.5	856.4	855.7	853.6	855.3	858.7
21°	863.5	862.1	861.0	859.6	858.5	857.3	853.4	852.3	850.6	853.1	854.7
21.5°	860.4	859.6	858.5	857.6	855.1	854.0	850.0	848.7	847.2	850.1	850.9
22°	856.1	856.0	855.3	854.4	852.1	849.9	847.4	847.1	843.7	845.8	847.8

TEST NUMBER: P869755
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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	852.7	852.7	852.7	850.6	848.2	846.3	843.9	843.1	840.4	842.2	844.0
23°	849.7	849.3	849.1	846.7	844.8	844.2	839.9	840.1	837.1	839.3	841.0
23.5°	846.2	846.6	844.9	843.2	841.9	840.6	836.2	836.8	834.2	836.5	837.4
24°	842.9	843.4	841.3	840.7	837.8	836.8	832.9	832.3	830.6	832.0	834.0
24.5°	839.7	839.4	837.7	836.5	834.4	833.2	827.8	827.9	825.8	827.4	830.0
25°	836.0	835.1	834.4	832.7	831.7	829.4	824.3	825.1	822.3	823.8	825.9
25.5°	832.2	831.7	830.5	828.6	827.7	825.9	821.3	821.9	819.3	820.2	822.2
26°	829.0	828.4	826.8	825.0	824.7	822.1	817.3	817.8	815.4	816.9	819.6
26.5°	825.4	825.1	823.8	821.0	819.9	817.6	813.2	814.0	811.7	812.5	815.1
27°	821.2	821.1	820.0	817.5	816.4	813.1	809.7	809.9	806.9	808.0	810.4
27.5°	817.7	818.0	815.2	814.1	811.9	808.8	805.9	805.8	802.5	804.3	806.0
28°	814.2	812.6	811.3	810.4	806.5	804.9	801.7	800.8	799.3	801.5	802.2
28.5°	808.3	808.5	807.2	806.2	802.0	800.2	797.4	796.8	795.3	797.2	797.4
29°	804.9	804.8	802.7	801.8	798.5	797.0	793.2	792.7	791.6	793.0	793.7
29.5°	799.8	801.4	799.3	797.6	794.1	793.0	789.1	788.0	786.3	788.4	789.4
30°	797.4	796.9	794.5	792.7	790.0	787.6	784.3	783.4	782.6	783.4	784.9
30.5°	792.5	791.9	790.0	787.7	786.2	783.0	779.2	779.1	778.2	778.5	779.7
31°	787.3	786.8	785.7	783.6	781.1	778.2	774.6	774.0	773.5	774.2	776.0
31.5°	782.8	781.9	781.7	779.0	776.5	773.6	769.3	768.8	768.3	768.9	771.0
32°	778.4	778.0	776.3	775.0	771.6	770.0	764.8	764.8	763.5	764.3	766.3
32.5°	773.9	773.6	772.6	769.7	766.6	766.0	760.3	759.3	758.0	759.9	761.0
33°	769.5	769.2	768.6	765.6	762.7	761.0	755.9	754.5	753.3	755.0	757.0
33.5°	764.6	764.4	763.8	760.3	757.6	756.1	750.8	751.0	748.6	750.0	751.2
34°	759.2	760.4	758.7	755.7	753.7	750.7	746.4	746.4	743.6	745.4	746.6
34.5°	754.3	755.7	754.3	750.3	748.6	746.0	742.1	740.9	739.4	740.0	741.9
35°	751.0	750.6	749.4	745.0	743.7	741.1	736.3	735.5	734.2	735.3	737.4
35.5°	746.1	745.5	744.5	741.1	738.5	735.6	730.7	729.7	727.8	731.0	732.0
36°	740.2	740.1	739.4	736.2	733.4	729.4	725.8	726.0	722.8	725.9	727.6
36.5°	735.0	735.3	733.1	731.6	727.6	724.4	720.1	720.2	717.6	720.1	721.4
37°	730.8	730.7	728.2	725.7	722.3	719.4	714.8	715.5	712.1	714.1	715.9
37.5°	725.8	724.6	723.8	720.2	717.6	713.8	710.1	709.3	707.0	708.8	711.0
38°	720.3	719.6	718.0	715.8	712.0	708.5	705.4	703.0	702.1	704.2	706.0
38.5°	714.0	714.5	712.5	709.4	705.8	703.1	699.9	697.7	696.4	699.4	701.0
39°	709.0	708.6	707.9	704.2	700.1	698.5	693.9	692.7	690.9	694.0	695.4
39.5°	703.4	703.0	702.6	698.1	695.0	692.9	688.4	687.0	685.9	687.2	689.2
40°	698.9	697.4	697.3	692.6	689.7	687.0	683.2	681.5	680.3	681.7	683.3
40.5°	693.6	692.5	691.6	687.0	683.6	681.0	676.9	676.4	674.3	675.8	677.8
41°	687.8	687.0	685.3	682.5	678.3	675.2	670.7	670.1	668.9	669.3	672.3
41.5°	682.2	681.3	679.5	676.8	672.6	670.2	665.2	663.7	661.9	664.0	666.3
42°	676.1	675.0	673.9	670.9	667.1	663.5	659.3	658.3	656.1	658.1	660.5
42.5°	670.4	669.9	667.5	665.6	661.3	657.8	653.3	652.1	650.0	652.8	655.5
43°	664.5	664.7	661.5	659.0	655.5	653.0	647.4	646.6	644.5	646.2	648.7
43.5°	658.4	658.7	656.7	652.6	650.2	647.0	641.7	639.9	639.0	640.9	642.9
44°	652.6	652.2	650.6	646.6	644.1	640.1	635.8	634.1	633.1	635.0	636.8
44.5°	646.7	646.4	644.3	640.5	636.8	633.8	630.1	628.0	626.7	629.4	631.0

TEST NUMBER: P869755
 CATALOG NUMBER: SMX18SLSFSD2W-2500LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	640.6	639.5	637.9	634.6	631.3	627.8	623.7	622.2	620.5	622.5	624.9
45.5°	634.9	634.1	631.5	629.5	625.7	622.5	617.8	615.8	613.9	616.7	618.6
46°	628.3	628.4	625.5	622.8	619.6	616.2	610.4	609.3	607.3	610.4	612.9
46.5°	621.5	621.1	619.4	615.8	613.5	609.9	604.5	602.9	601.0	604.3	606.5
47°	615.6	614.9	612.6	609.9	607.4	603.5	597.9	596.6	594.9	597.7	600.5
47.5°	609.4	608.6	606.0	603.1	600.6	596.9	591.5	590.2	589.0	590.7	593.6
48°	603.2	602.8	599.4	597.1	593.8	590.7	585.8	584.3	582.4	584.3	586.6
48.5°	596.0	596.0	593.6	590.7	586.7	583.8	579.0	577.9	576.1	577.4	580.9
49°	589.7	589.8	587.4	584.2	580.5	577.0	572.8	571.3	569.3	571.1	573.7
49.5°	583.3	583.6	580.7	577.6	573.7	570.0	565.8	564.5	562.6	565.0	566.4
50°	577.3	576.9	573.5	570.7	567.5	564.0	558.8	558.3	555.9	558.6	560.3
50.5°	570.0	570.0	567.1	563.8	561.4	558.0	552.6	551.5	548.9	551.3	553.9
51°	563.0	563.1	560.2	557.4	554.8	550.7	545.3	544.2	542.2	544.0	547.0
51.5°	556.7	556.5	554.0	550.6	548.3	543.6	539.4	537.1	535.3	537.5	540.0
52°	550.6	549.3	547.3	544.0	540.6	537.6	532.8	530.9	528.3	530.8	533.1
52.5°	543.8	542.7	540.4	537.2	533.1	530.5	526.1	524.2	521.8	523.3	526.1
53°	536.8	536.2	533.3	530.1	526.4	522.6	518.8	516.9	514.5	517.5	519.4
53.5°	529.3	529.1	526.5	523.8	519.8	515.8	512.1	509.1	507.8	510.5	512.4
54°	522.9	522.6	520.2	516.1	512.6	509.4	504.5	502.4	500.5	502.7	505.8
54.5°	516.4	515.6	513.1	508.9	506.4	502.7	496.5	494.9	494.2	495.3	498.5
55°	508.7	508.3	506.5	501.7	499.3	495.5	489.6	488.5	487.1	488.3	491.0
55.5°	501.2	500.7	498.8	495.2	491.8	487.6	482.8	480.8	479.5	481.1	483.4
56°	494.7	493.5	491.0	487.8	484.1	480.2	475.9	473.7	472.5	474.0	476.9
56.5°	487.3	486.8	484.3	480.2	477.0	472.7	468.3	467.2	465.1	467.3	469.7
57°	479.8	479.7	476.6	472.7	469.9	465.9	461.0	459.6	457.3	460.1	462.7
57.5°	472.6	472.4	469.7	465.5	462.8	458.9	453.2	451.4	450.1	452.3	455.1
58°	465.5	464.3	462.4	457.9	455.3	451.0	445.7	444.1	442.6	444.5	447.2
58.5°	457.8	456.7	454.5	450.6	447.5	443.0	438.2	436.8	435.5	436.9	439.7
59°	450.6	450.0	446.8	443.2	440.4	435.9	431.2	429.2	427.5	429.6	432.0
59.5°	443.4	442.3	439.8	436.4	433.0	428.5	423.6	422.0	420.0	422.6	424.4
60°	435.7	434.7	431.8	428.9	425.2	420.9	416.6	414.5	412.6	415.0	417.6
60.5°	428.2	426.9	424.2	421.3	416.8	413.7	408.9	406.9	405.1	406.7	410.0
61°	420.7	419.0	416.5	413.2	409.5	405.9	401.4	398.9	397.6	399.5	402.5
61.5°	412.4	411.3	408.9	405.3	401.9	398.1	393.9	390.9	389.3	391.6	394.6
62°	405.2	403.7	401.2	397.5	394.2	390.4	386.1	383.5	381.6	384.0	386.8
62.5°	397.3	396.0	393.4	389.9	386.2	382.9	378.1	375.7	373.7	376.1	378.7
63°	389.7	388.2	385.6	382.3	378.8	375.0	370.1	368.2	366.1	368.1	370.7
63.5°	382.6	380.2	377.9	374.0	371.3	367.2	362.6	360.1	358.7	360.0	363.4
64°	374.1	372.8	370.1	366.4	363.8	359.2	354.2	352.2	350.7	352.4	355.7
64.5°	366.4	365.0	362.3	358.2	355.3	351.5	345.9	344.2	342.4	344.2	347.6
65°	358.8	357.5	354.4	350.2	347.5	343.5	338.0	336.2	334.5	336.4	339.4
65.5°	350.9	349.3	346.7	342.0	339.6	335.3	329.9	328.4	326.8	328.6	331.6
66°	342.1	341.3	338.1	334.0	331.5	327.3	322.0	320.0	319.0	320.5	323.6
66.5°	333.8	333.0	330.0	326.2	323.4	319.3	313.9	312.2	310.9	312.3	315.2
67°	326.2	324.6	321.9	318.0	315.6	311.2	306.5	303.9	302.9	304.2	307.3

TEST NUMBER: P869755
 CATALOG NUMBER: SMX18SLSFSD2W-2500LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	317.9	316.5	313.7	309.5	307.5	303.2	298.4	295.6	294.8	295.9	298.9
68°	309.7	308.5	305.5	301.2	299.4	295.0	290.2	287.9	286.6	288.2	291.1
68.5°	301.5	300.4	297.6	293.6	291.1	286.9	281.9	279.9	278.2	279.8	283.2
69°	293.5	292.6	289.4	285.8	283.4	278.5	273.5	271.3	269.9	271.5	275.0
69.5°	285.6	284.4	281.1	276.7	274.7	269.9	265.3	262.8	261.7	263.0	267.0
70°	276.8	276.1	272.7	268.5	266.2	262.0	257.0	254.9	253.4	254.9	258.2
70.5°	268.6	267.9	264.3	260.4	258.3	254.1	249.2	246.9	245.6	247.1	250.3
71°	260.4	259.6	256.6	252.5	250.2	245.9	240.9	238.8	237.5	238.9	241.9
71.5°	252.4	251.6	248.2	243.6	241.7	237.5	232.5	230.2	229.1	230.7	233.6
72°	244.2	243.0	239.7	235.5	233.6	229.1	224.2	221.9	221.1	222.5	225.7
72.5°	236.0	234.3	231.2	227.5	225.4	221.0	216.2	214.1	212.7	214.3	217.5
73°	227.6	225.9	222.9	218.9	217.2	213.0	208.2	205.6	204.2	206.1	209.2
73.5°	219.1	217.7	215.0	210.7	208.7	204.4	200.0	197.3	196.0	198.4	200.9
74°	210.9	209.4	206.2	202.5	200.4	196.2	191.9	189.2	187.9	189.9	192.7
74.5°	202.5	201.1	198.2	193.8	192.5	188.2	183.7	181.2	180.0	181.7	184.4
75°	194.1	192.7	189.9	185.4	184.2	179.7	175.4	173.1	171.7	173.6	176.3
75.5°	185.9	184.8	181.7	177.5	175.9	171.7	167.6	164.7	163.8	165.9	168.4
76°	177.9	176.7	173.7	169.2	167.7	163.5	159.3	156.6	155.8	157.5	160.3
76.5°	169.6	168.5	165.5	161.1	159.8	155.5	151.2	149.0	147.6	149.3	152.1
77°	161.8	160.1	157.5	153.0	151.7	147.3	143.3	140.8	139.7	141.2	144.0
77.5°	153.8	152.0	149.5	145.1	143.5	139.2	135.4	132.8	131.8	133.5	136.2
78°	145.6	144.0	141.4	137.3	135.7	131.5	127.7	124.8	124.0	125.5	128.3
78.5°	137.5	136.0	133.5	129.3	127.9	123.6	119.6	117.3	116.2	117.7	120.4
79°	129.8	128.2	125.5	121.3	119.9	115.6	111.8	109.5	108.4	109.9	112.5
79.5°	122.0	120.5	117.8	113.7	112.2	108.1	104.3	102.2	101.0	102.7	105.1
80°	114.2	112.4	110.0	106.0	104.6	100.8	97.0	94.7	93.7	95.4	97.9
80.5°	106.6	104.9	102.6	98.6	97.4	93.3	89.7	87.5	86.2	88.1	90.8
81°	99.0	97.4	95.4	91.2	90.1	86.1	82.4	80.2	79.2	80.9	83.5
81.5°	91.5	90.2	87.8	84.0	82.7	78.9	75.3	73.2	72.5	73.7	76.2
82°	84.2	82.9	80.3	76.6	75.6	71.8	68.3	66.1	65.4	66.8	69.2
82.5°	76.8	75.8	73.0	69.3	68.6	64.9	61.8	59.5	58.7	60.1	62.5
83°	69.6	68.3	66.0	62.6	62.0	58.4	55.2	53.1	52.4	53.8	56.1
83.5°	63.0	61.5	59.2	56.2	55.4	51.9	48.7	46.8	46.1	47.4	49.5
84°	56.4	55.1	52.8	49.9	49.1	45.7	42.5	40.7	39.9	41.3	43.5
84.5°	50.1	48.9	46.8	43.8	42.9	39.7	36.8	34.9	34.4	35.7	37.5
85°	43.9	42.7	40.8	37.8	37.0	34.1	31.2	29.4	29.1	30.1	32.1
85.5°	37.9	36.9	35.1	32.4	31.4	28.5	25.8	24.5	24.2	25.0	26.8
86°	32.5	31.5	29.8	27.3	26.3	23.6	21.3	19.8	19.5	20.4	22.1
86.5°	27.4	26.6	25.1	22.7	21.6	19.3	17.4	16.1	15.8	16.9	18.0
87°	22.8	22.1	20.6	18.4	17.6	15.6	13.7	12.5	12.4	13.1	14.5
87.5°	18.5	17.8	16.5	14.5	13.9	12.0	10.2	9.2	9.2	9.9	11.0
88°	14.5	14.0	12.7	10.8	10.4	8.7	7.2	6.3	6.2	6.9	7.9
88.5°	10.8	10.3	9.3	7.7	7.5	5.8	4.6	3.8	3.6	4.2	5.2
89°	7.7	7.4	6.5	5.3	5.3	3.7	2.5	1.9	1.7	2.1	2.9
89.5°	5.4	5.1	4.3	3.3	2.9	1.8	0.8	1.7	1.4	1.9	1.0

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



TEST NUMBER: P869755
CATALOG NUMBER: SMX18SLSFSD2W-2500LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P869755
 CATALOG NUMBER: SMX18SLSFSD2W-2500LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	924.9	924.9	924.9	924.9	924.9	924.9
0.5°	925.7	923.8	926.1	924.3	924.3	924.7
1°	924.8	923.6	926.5	924.6	924.1	925.5
1.5°	924.5	924.6	925.8	924.6	924.3	924.6
2°	924.0	924.4	924.7	924.6	925.7	924.1
2.5°	923.4	923.0	925.8	924.0	924.1	924.0
3°	924.3	922.4	925.7	923.3	924.9	922.7
3.5°	923.6	923.3	924.5	922.8	924.2	923.2
4°	923.3	922.5	924.4	923.1	923.0	922.9
4.5°	923.2	921.5	923.9	922.7	922.8	922.8
5°	922.6	920.9	924.1	921.9	922.3	923.2
5.5°	920.4	920.0	923.7	921.5	922.7	922.6
6°	919.3	919.6	923.8	921.2	921.2	922.1
6.5°	918.3	919.9	922.7	921.1	920.9	921.2
7°	917.8	917.7	921.7	919.5	920.5	920.7
7.5°	916.7	917.6	920.6	919.0	920.3	919.1
8°	915.4	916.5	918.3	918.2	919.0	918.0
8.5°	913.9	914.6	917.1	916.8	916.5	917.0
9°	912.7	913.6	916.8	914.6	916.3	915.7
9.5°	910.4	912.5	915.2	913.5	914.4	913.5
10°	909.2	911.0	913.0	911.8	912.7	911.5
10.5°	907.1	909.1	911.5	908.8	912.3	910.4
11°	905.8	907.1	909.7	907.4	909.8	908.8
11.5°	903.3	904.8	907.8	906.4	907.7	906.8
12°	901.4	902.2	906.8	905.1	906.1	906.0
12.5°	899.6	901.0	903.8	902.7	904.7	904.4
13°	898.2	898.6	901.3	901.5	902.7	902.7
13.5°	896.0	897.3	899.7	899.9	900.7	901.0
14°	894.4	894.9	898.7	898.3	897.9	899.3
14.5°	892.8	893.2	895.5	895.9	896.5	897.2
15°	890.4	890.4	892.9	892.7	895.5	895.8
15.5°	886.5	889.0	891.1	889.7	893.8	892.8
16°	884.1	886.9	888.8	888.4	890.8	891.2
16.5°	881.6	883.8	886.5	886.0	889.2	888.4
17°	879.7	880.1	883.9	882.5	886.4	885.0
17.5°	876.9	878.1	882.5	879.8	883.9	883.1
18°	873.9	876.2	879.7	878.7	881.2	881.2
18.5°	871.2	873.8	876.1	876.2	877.7	878.1
19°	868.1	870.5	872.5	872.6	874.3	874.3
19.5°	864.6	867.7	869.5	869.1	871.6	871.5
20°	862.2	864.7	867.1	866.0	868.5	868.7
20.5°	860.3	862.2	863.2	863.5	865.9	865.5
21°	857.4	858.2	860.4	861.3	863.1	863.5
21.5°	853.9	854.0	857.3	858.7	860.8	860.4
22°	850.2	850.6	853.9	854.9	858.0	856.1

TEST NUMBER: P869755
 CATALOG NUMBER: SMX18SLSFSD2W-2500LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	845.7	848.5	850.5	850.9	853.7	852.7
23°	842.7	845.2	847.8	847.7	849.6	849.7
23.5°	838.9	840.8	844.0	845.4	846.3	846.2
24°	835.6	837.3	841.3	840.7	842.8	842.9
24.5°	833.1	834.5	837.5	837.4	839.4	839.7
25°	829.2	830.9	833.6	834.8	836.9	836.0
25.5°	825.0	827.8	829.3	831.1	834.0	832.2
26°	821.4	822.6	825.8	827.0	829.3	829.0
26.5°	817.6	818.5	822.7	822.2	824.7	825.4
27°	812.9	814.3	819.3	818.7	821.3	821.2
27.5°	808.4	809.5	814.7	815.4	818.8	817.7
28°	804.5	805.4	810.1	812.3	814.5	814.2
28.5°	799.8	802.5	805.7	807.7	810.0	808.3
29°	796.5	798.4	802.6	803.4	804.6	804.9
29.5°	792.5	793.8	798.0	799.0	801.6	799.8
30°	788.9	789.4	793.2	793.9	797.7	797.4
30.5°	783.0	786.1	788.0	788.8	792.8	792.5
31°	778.4	779.8	784.2	785.2	788.1	787.3
31.5°	773.7	775.6	780.3	780.0	784.3	782.8
32°	770.1	771.3	776.0	775.7	780.3	778.4
32.5°	766.0	767.3	771.0	771.5	776.2	773.9
33°	761.0	762.6	766.7	768.0	771.0	769.5
33.5°	754.7	757.6	761.7	762.9	766.4	764.6
34°	750.4	752.6	756.4	757.4	761.0	759.2
34.5°	744.9	747.9	751.6	752.6	756.2	754.3
35°	740.2	742.9	746.7	748.2	751.5	751.0
35.5°	735.9	737.2	742.2	743.4	746.1	746.1
36°	730.8	731.5	736.7	738.3	740.8	740.2
36.5°	725.8	726.3	731.5	731.9	735.8	735.0
37°	720.5	721.1	727.0	727.0	730.4	730.8
37.5°	714.4	716.6	721.6	721.4	726.0	725.8
38°	708.8	711.0	716.4	716.7	721.0	720.3
38.5°	703.4	705.9	710.6	711.7	715.9	714.0
39°	697.7	701.0	705.7	706.3	709.1	709.0
39.5°	692.6	696.1	700.1	700.3	703.9	703.4
40°	686.8	690.0	694.6	695.9	698.0	698.9
40.5°	682.1	684.1	688.9	690.5	692.7	693.6
41°	676.8	678.9	683.0	684.9	686.7	687.8
41.5°	670.5	673.6	677.4	678.9	681.4	682.2
42°	664.8	667.4	672.1	672.6	676.6	676.1
42.5°	658.0	660.7	666.0	666.6	670.8	670.4
43°	652.0	655.5	659.2	661.3	665.2	664.5
43.5°	645.7	648.9	652.7	655.9	658.8	658.4
44°	640.2	642.3	646.6	649.3	652.8	652.6
44.5°	634.1	637.3	641.8	642.4	646.8	646.7

TEST NUMBER: P869755
 CATALOG NUMBER: SMX18SLSFSD2W-2500LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	627.9	631.7	636.0	636.2	640.0	640.6
45.5°	621.4	625.7	629.6	630.4	633.6	634.9
46°	615.4	619.3	623.7	624.4	627.7	628.3
46.5°	609.1	612.6	617.5	619.3	621.5	621.5
47°	602.6	606.4	611.2	612.6	615.3	615.6
47.5°	596.1	600.4	604.8	606.1	608.7	609.4
48°	589.9	593.8	598.4	599.7	602.7	603.2
48.5°	583.5	586.6	591.7	593.4	596.4	596.0
49°	576.7	580.0	584.7	586.8	589.8	589.7
49.5°	570.3	573.6	577.7	580.4	583.5	583.3
50°	563.6	566.1	570.9	574.3	576.7	577.3
50.5°	556.7	559.7	564.2	567.6	569.6	570.0
51°	550.4	553.8	558.1	560.3	563.2	563.0
51.5°	543.8	546.4	551.7	553.3	557.0	556.7
52°	537.1	539.3	545.1	546.3	550.6	550.6
52.5°	529.9	533.0	538.3	540.4	543.6	543.8
53°	522.9	526.3	531.5	533.8	537.3	536.8
53.5°	516.6	519.4	524.3	525.7	530.0	529.3
54°	509.2	512.3	517.4	518.8	522.9	522.9
54.5°	502.2	504.8	510.3	512.5	515.3	516.4
55°	495.2	497.8	502.9	505.2	508.8	508.7
55.5°	488.2	490.6	495.7	498.4	502.0	501.2
56°	481.0	483.5	488.7	491.1	494.7	494.7
56.5°	473.7	476.1	481.5	483.5	487.7	487.3
57°	465.9	468.6	474.0	476.2	480.3	479.8
57.5°	458.3	461.0	466.5	468.0	472.5	472.6
58°	451.3	453.8	458.9	461.3	465.5	465.5
58.5°	444.3	446.2	450.9	454.4	457.8	457.8
59°	437.0	439.0	443.6	447.2	450.6	450.6
59.5°	429.0	431.4	435.9	439.5	443.0	443.4
60°	421.9	423.4	428.9	431.7	435.7	435.7
60.5°	413.4	415.8	420.8	424.1	428.1	428.2
61°	405.8	407.9	413.4	416.2	420.2	420.7
61.5°	398.3	400.9	406.2	408.4	412.3	412.4
62°	390.5	393.2	398.6	400.8	404.7	405.2
62.5°	382.9	385.5	390.9	393.3	397.0	397.3
63°	374.9	377.2	382.8	385.1	389.6	389.7
63.5°	367.3	369.4	375.2	377.6	381.5	382.6
64°	359.4	362.0	367.3	369.5	372.9	374.1
64.5°	351.5	354.3	359.6	362.2	365.1	366.4
65°	343.6	346.2	351.1	354.3	357.4	358.8
65.5°	336.0	338.2	343.2	346.0	349.4	350.9
66°	327.9	329.6	335.2	338.1	341.4	342.1
66.5°	319.7	322.1	327.2	330.5	333.5	333.8
67°	311.5	314.1	319.1	322.5	325.9	326.2

TEST NUMBER: P869755

CATALOG NUMBER: SMX18SLSFSD2W-2500LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	303.6	305.7	310.4	313.7	317.6	317.9
68°	295.3	297.3	302.5	305.9	309.5	309.7
68.5°	287.5	289.3	294.4	297.8	300.9	301.5
69°	279.8	281.5	285.9	289.3	292.7	293.5
69.5°	271.4	273.4	277.7	281.2	284.6	285.6
70°	263.0	265.0	269.4	273.4	276.4	276.8
70.5°	254.8	256.3	261.5	265.0	268.4	268.6
71°	246.4	248.1	253.2	256.4	260.1	260.4
71.5°	238.0	240.0	244.7	248.6	252.0	252.4
72°	229.6	231.9	236.7	240.2	243.3	244.2
72.5°	221.9	223.3	228.4	231.6	234.9	236.0
73°	213.6	214.7	219.9	223.2	226.6	227.6
73.5°	205.5	206.9	212.2	215.1	218.4	219.1
74°	197.3	198.4	203.5	206.6	210.2	210.9
74.5°	189.2	190.2	195.2	198.7	201.7	202.5
75°	180.8	181.9	186.8	190.5	193.2	194.1
75.5°	172.7	173.9	178.9	182.2	185.0	185.9
76°	164.6	165.7	170.5	173.9	176.9	177.9
76.5°	156.4	157.6	162.5	165.9	168.7	169.6
77°	148.2	149.3	154.2	157.5	160.7	161.8
77.5°	140.2	141.6	146.2	149.9	152.9	153.8
78°	132.4	133.7	138.4	141.9	144.8	145.6
78.5°	124.4	125.9	130.8	134.2	136.9	137.5
79°	116.9	118.1	122.7	126.0	128.8	129.8
79.5°	109.0	110.5	114.9	118.3	121.1	122.0
80°	101.5	102.7	107.1	110.4	113.4	114.2
80.5°	94.3	95.4	99.9	102.9	105.8	106.6
81°	87.2	88.1	92.5	95.7	98.3	99.0
81.5°	80.0	80.8	85.1	88.2	90.8	91.5
82°	72.8	73.5	77.8	80.9	83.5	84.2
82.5°	66.0	66.7	70.7	73.6	76.3	76.8
83°	59.6	60.0	63.6	66.5	69.2	69.6
83.5°	52.9	53.4	57.0	59.8	62.5	63.0
84°	46.7	47.2	50.8	53.3	55.7	56.4
84.5°	40.7	41.2	44.5	47.2	49.5	50.1
85°	35.0	35.7	38.8	41.3	43.2	43.9
85.5°	29.4	30.1	33.2	35.7	37.5	37.9
86°	24.5	25.4	27.8	30.2	32.2	32.5
86.5°	20.1	20.8	23.3	25.4	27.0	27.4
87°	16.4	16.8	19.0	20.8	22.3	22.8
87.5°	12.8	13.1	15.2	16.7	18.0	18.5
88°	9.6	9.4	11.3	13.1	14.2	14.5
88.5°	6.6	6.4	7.7	9.3	10.5	10.8
89°	4.2	4.2	5.3	6.4	7.3	7.7
89.5°	2.0	2.4	3.2	4.1	5.1	5.4

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



TEST NUMBER: P869755
CATALOG NUMBER: SMX18SLSFSD2W-2500LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)