

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: P869692

Luminaire Tested: **SMX14SLSFSD2W-2000LM-3000K**

Issue Date: 8/29/2024

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P869692
 Test Lab:
 Issue Date: 8/29/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: SMX14SLSFSD2W-2000LM-3000K
 Description: 14IN SQUARE, 90CRI, DIMMING TO 10%, DAMP LOCATION
 Light Source: SELECTABLE CCT 90CRI / 3000K CCT
 Ballast/Driver: -

Summary

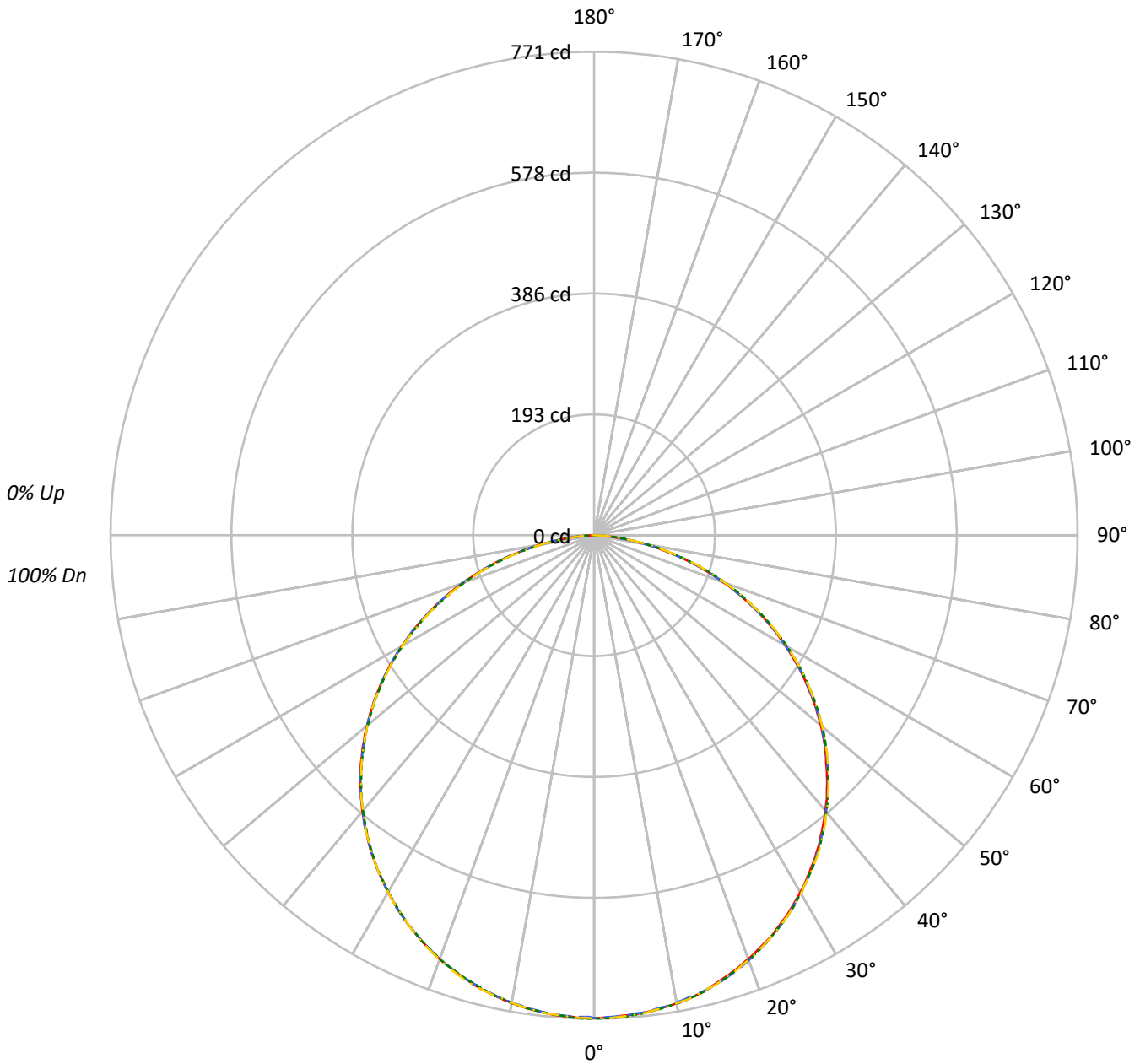
Lumens per Lamp: N/A
 Luminaire Lumens: 2250.0 lumens
 Efficiency: N/A
 Efficacy: 85.6 lumens/watt
 Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
 Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
 CIE Type: Direct

Input Watts (W): 26.3
 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	25	24	24	24

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6087	6087	6087	6087
5°	6080	6089	6086	6084
10°	6086	6085	6081	6079
15°	6070	6077	6071	6059
20°	6045	6059	6050	6047
25°	6030	6039	6023	6024
30°	6001	6020	5997	5990
35°	5963	5987	5968	5955
40°	5918	5945	5929	5913
45°	5861	5902	5886	5861
50°	5804	5843	5812	5794
55°	5703	5749	5725	5706
60°	5575	5629	5601	5574
65°	5386	5448	5427	5373
70°	5075	5167	5153	5079
75°	4611	4718	4721	4617
80°	3860	4014	3996	3864
85°	2639	2793	2775	2648

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.9	3.2
10°-20°	209.4	9.3
20°-30°	318.9	14.2
30°-40°	387.2	17.2
40°-50°	405.8	18.0
50°-60°	371.0	16.5
60°-70°	285.7	12.7
70°-80°	161.6	7.2
80°-90°	37.6	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°	601.1	26.7
0°-40°	988.4	43.9
0°-60°	1765.1	78.5
0°-90°	2250.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2250.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	770	770	770	770	770	
5°	766	768	767	767	766	73
15°	742	743	742	740	742	209
25°	691	692	691	691	691	319
35°	618	620	618	617	618	387
45°	524	528	527	524	524	405
55°	414	417	416	414	414	370
65°	288	291	290	287	288	284
75°	151	154	155	151	151	160
85°	29	31	31	29	29	36
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°	770.1	770.1	770.1	770.1	770.1	770.1	770.1	770.1	770.1	770.1	770.1
0.5°	769.7	771.0	769.0	769.9	770.6	770.2	770.2	770.2	769.8	770.6	768.1
1°	769.7	771.2	769.4	769.5	770.6	770.0	769.9	769.7	770.0	770.0	768.3
1.5°	769.3	770.4	769.0	769.1	770.5	769.7	770.3	769.2	769.6	770.1	768.4
2°	769.2	770.2	768.7	769.2	770.2	769.3	770.1	769.0	769.8	770.2	768.3
2.5°	768.9	770.2	768.6	768.5	770.3	769.6	769.7	768.9	769.0	770.1	768.1
3°	767.8	769.9	767.8	768.2	769.6	769.1	769.3	768.8	768.7	769.3	767.9
3.5°	767.5	769.1	767.9	767.9	769.3	768.4	768.7	768.4	768.3	769.2	767.7
4°	767.4	768.4	767.1	767.1	769.2	768.3	768.3	768.3	767.9	768.5	767.5
4.5°	766.9	768.1	766.6	766.8	768.1	767.8	767.8	767.5	767.8	768.9	766.4
5°	766.3	767.7	765.6	766.6	767.5	767.3	767.7	766.8	767.1	767.8	766.2
5.5°	765.9	766.8	765.5	765.8	766.8	766.7	767.3	765.7	766.3	767.0	765.6
6°	765.5	766.0	764.8	765.3	766.2	765.5	766.2	765.3	765.5	765.9	765.0
6.5°	764.9	765.8	763.8	764.4	765.5	764.2	765.5	764.7	764.4	765.2	763.8
7°	764.0	764.9	763.1	763.7	764.4	763.8	763.9	763.5	764.0	764.1	762.9
7.5°	763.1	763.7	761.8	762.5	763.4	762.8	763.1	762.6	763.0	763.5	762.0
8°	761.8	762.7	761.0	761.6	762.4	761.7	762.4	761.7	762.1	762.6	760.8
8.5°	761.0	761.8	760.7	760.4	761.3	761.0	761.4	760.1	761.0	761.0	759.5
9°	760.3	760.9	759.4	759.5	760.3	759.7	760.7	759.0	759.9	760.3	758.5
9.5°	759.2	759.5	758.2	758.4	759.2	758.3	759.2	758.1	758.5	759.5	757.7
10°	758.3	757.8	756.9	757.4	758.2	757.8	758.3	757.0	757.7	758.2	757.0
10.5°	757.3	756.9	755.4	756.0	757.8	756.3	756.8	755.7	756.0	756.7	755.5
11°	756.0	755.2	754.5	755.0	756.2	755.2	756.0	754.1	754.8	755.9	753.8
11.5°	754.7	754.1	752.7	753.3	754.8	754.2	755.1	752.8	753.2	753.8	752.6
12°	753.1	753.2	751.4	752.4	753.3	752.6	752.9	751.1	752.0	752.0	751.2
12.5°	751.5	751.9	750.5	750.7	752.1	751.6	751.3	749.7	750.5	750.5	749.4
13°	750.1	750.5	748.9	749.2	750.2	749.8	749.8	748.4	748.7	749.0	747.7
13.5°	748.4	749.0	747.8	747.0	748.8	747.6	747.3	746.4	747.4	747.8	746.2
14°	746.4	747.1	746.0	745.4	746.8	746.2	745.8	744.3	745.9	745.9	744.0
14.5°	744.0	745.1	744.3	743.5	744.6	744.3	744.5	742.6	743.4	744.3	741.8
15°	741.8	743.6	743.0	742.1	742.7	743.0	743.1	740.1	742.0	742.6	740.6
15.5°	739.5	741.7	741.5	739.5	740.9	740.9	741.0	738.4	739.6	740.7	738.6
16°	737.4	739.0	739.3	737.5	738.5	738.5	738.4	737.1	737.4	738.3	736.9
16.5°	735.2	736.5	737.2	735.8	736.9	736.5	736.2	735.2	735.4	736.1	735.1
17°	733.2	734.3	735.4	733.3	734.5	734.2	734.3	733.3	733.3	733.6	733.1
17.5°	730.8	731.9	733.3	730.6	732.1	731.9	732.3	730.9	730.6	731.7	730.9
18°	728.7	729.2	731.2	728.8	729.8	729.8	730.1	728.5	728.2	729.0	728.4
18.5°	726.3	727.1	729.2	726.7	727.9	727.4	727.7	726.8	725.9	727.1	726.0
19°	723.8	724.4	726.5	724.2	725.1	725.4	725.5	724.6	723.8	724.7	724.0
19.5°	721.4	721.9	724.1	721.3	722.7	723.2	723.0	721.9	722.0	722.4	722.0
20°	718.7	719.7	721.2	719.1	720.4	720.8	720.7	719.7	719.3	719.9	719.3
20.5°	716.5	717.7	719.0	716.4	718.4	718.7	718.3	717.0	717.0	717.1	717.1
21°	713.9	714.5	716.5	714.3	715.8	715.6	715.6	714.9	714.3	714.6	714.1
21.5°	711.1	712.0	713.6	711.2	713.0	712.6	712.5	712.1	711.3	711.9	711.2
22°	708.7	709.3	709.7	708.8	710.3	709.5	710.0	710.0	708.9	708.9	708.4

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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°	706.1	706.9	707.9	706.2	707.6	706.6	707.4	706.8	705.9	705.9	705.4
23°	703.5	704.1	704.9	703.2	704.9	703.9	704.6	703.6	703.5	703.0	702.1
23.5°	701.0	701.4	702.1	700.5	701.9	701.3	701.7	700.7	699.9	700.0	699.9
24°	698.3	698.5	698.8	697.7	698.9	698.8	699.0	697.9	697.1	697.7	696.8
24.5°	695.0	695.4	696.1	694.6	696.1	696.0	696.4	695.2	694.0	695.2	694.1
25°	691.4	692.7	693.2	691.4	692.5	692.9	693.2	692.2	690.7	691.6	690.9
25.5°	688.4	689.7	689.8	688.3	689.8	689.7	689.7	688.6	688.3	688.3	688.2
26°	684.6	686.2	686.4	684.6	686.8	686.7	686.9	685.5	685.0	685.8	685.1
26.5°	682.0	683.0	683.5	681.7	683.9	683.2	683.6	681.8	681.4	682.1	681.4
27°	678.8	680.0	679.7	679.0	680.8	679.9	680.8	679.1	678.1	678.7	678.6
27.5°	675.4	676.5	676.5	675.6	677.2	676.5	677.5	675.8	675.2	675.6	674.9
28°	671.9	672.7	672.9	672.2	673.9	673.5	673.6	672.3	671.5	672.6	671.9
28.5°	668.3	669.3	669.3	669.5	670.5	669.9	670.2	669.3	667.7	669.3	668.3
29°	664.7	665.9	666.2	665.6	666.5	666.1	666.5	665.6	663.9	665.7	664.2
29.5°	661.2	662.2	662.5	662.4	663.0	662.7	663.3	661.8	660.7	662.6	660.5
30°	657.6	658.4	658.8	658.6	659.6	659.4	659.8	658.4	657.1	658.3	656.7
30.5°	653.9	654.9	655.5	655.5	655.8	655.9	655.9	654.9	653.4	654.5	653.3
31°	650.6	651.0	651.2	652.0	651.8	652.2	651.7	651.2	649.5	651.0	649.8
31.5°	646.6	647.5	647.7	648.2	647.9	648.3	648.2	647.1	645.6	646.8	646.0
32°	642.4	643.9	644.0	644.0	643.9	644.5	644.4	643.2	641.7	643.0	642.2
32.5°	638.7	640.1	640.4	640.7	640.7	640.8	641.1	639.8	638.6	639.7	638.2
33°	634.2	636.0	636.0	636.7	636.9	636.7	636.9	635.8	634.6	635.9	634.6
33.5°	630.5	632.1	632.5	632.7	632.8	632.2	633.2	631.8	630.6	632.1	630.5
34°	626.6	628.4	628.3	628.8	628.8	628.4	629.5	627.4	626.4	627.4	626.5
34.5°	622.6	623.7	624.2	624.7	624.9	624.6	625.7	623.0	622.6	623.3	622.8
35°	618.0	618.7	619.8	620.3	620.5	620.6	621.8	619.6	618.5	619.0	618.4
35.5°	614.3	614.8	615.5	615.7	616.7	616.8	617.5	615.2	614.6	614.7	614.2
36°	610.0	610.7	610.9	611.7	612.3	612.0	613.2	610.7	610.1	610.5	610.0
36.5°	605.4	607.0	606.7	607.5	608.1	607.4	608.9	606.4	605.6	605.9	605.1
37°	600.6	602.2	602.7	603.2	603.6	603.6	604.6	601.5	600.9	601.8	601.2
37.5°	596.4	598.2	598.7	598.8	598.9	598.9	599.8	597.7	596.5	597.4	596.9
38°	591.9	594.0	594.0	594.1	594.7	594.2	595.0	593.4	592.7	593.3	592.7
38.5°	587.4	589.1	589.3	589.4	590.0	589.5	590.7	588.9	588.3	588.6	588.5
39°	582.9	584.8	584.6	584.9	585.6	585.1	586.2	584.2	583.9	584.0	583.5
39.5°	578.3	579.9	580.0	579.8	581.0	581.4	581.2	579.8	579.6	579.3	578.9
40°	573.6	574.9	575.3	575.3	576.2	577.0	576.7	575.7	574.7	574.9	574.5
40.5°	569.2	570.6	570.8	570.3	571.4	572.3	572.5	571.1	570.0	570.2	569.7
41°	564.3	565.9	566.1	565.8	567.2	567.6	567.5	566.3	564.9	565.5	565.1
41.5°	560.0	561.0	561.5	560.7	562.4	563.2	563.1	561.6	560.7	560.8	560.7
42°	554.9	556.0	556.6	556.0	557.1	558.2	558.0	557.0	556.4	555.8	555.8
42.5°	549.7	551.2	552.0	551.1	552.5	553.3	552.9	552.1	551.3	550.7	550.9
43°	544.8	546.2	547.2	546.2	547.8	548.2	548.0	547.0	546.3	545.7	546.1
43.5°	539.7	541.5	541.9	541.3	542.9	542.9	543.2	542.1	541.5	540.7	540.9
44°	534.6	536.4	536.9	536.5	537.8	538.0	538.2	537.2	536.3	535.7	536.0
44.5°	529.8	531.1	531.9	531.1	532.9	533.2	533.2	532.2	531.4	530.8	530.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	524.4	526.2	527.0	526.2	528.0	528.3	527.8	527.2	526.6	526.0	525.4
45.5°	518.9	520.9	522.1	521.1	523.1	523.2	522.6	522.3	521.3	520.8	520.2
46°	514.0	516.3	516.6	516.2	517.8	517.8	517.7	516.9	515.8	515.4	515.3
46.5°	509.4	510.9	511.2	511.0	512.5	512.6	512.8	511.5	510.7	510.7	509.9
47°	504.3	505.6	505.9	505.8	507.1	507.3	507.5	506.0	505.6	505.2	504.6
47.5°	499.3	500.7	500.4	500.2	501.8	502.3	501.9	500.8	500.3	499.8	499.0
48°	493.7	495.1	494.8	495.0	496.5	497.1	496.7	495.7	494.6	494.7	493.7
48.5°	488.1	489.6	489.6	489.3	491.4	491.4	491.4	490.4	489.1	489.3	488.6
49°	482.6	484.3	484.1	484.1	486.2	486.0	485.8	484.8	484.1	484.0	483.2
49.5°	477.3	478.9	478.7	478.4	480.7	480.2	480.4	479.8	478.4	478.9	477.6
50°	472.0	473.2	473.2	472.8	475.2	475.2	475.0	473.9	472.7	473.1	472.5
50.5°	465.8	467.8	467.7	467.4	469.6	469.5	469.4	468.5	467.3	467.5	467.0
51°	460.4	461.9	461.8	461.6	463.7	463.7	464.0	462.7	461.7	462.0	461.7
51.5°	454.7	456.3	456.4	456.1	458.2	458.0	458.3	457.0	455.9	456.3	455.5
52°	449.1	450.9	450.6	450.5	452.3	452.6	452.7	451.2	449.8	450.6	449.8
52.5°	443.3	444.8	444.8	444.8	446.8	447.1	446.8	445.6	444.4	445.3	444.1
53°	437.5	439.2	438.9	438.7	440.8	441.2	440.8	439.7	439.1	439.4	438.7
53.5°	431.6	433.2	433.0	432.7	434.8	435.0	434.7	434.4	433.2	434.1	432.7
54°	425.6	426.9	427.1	426.8	429.0	429.2	429.0	428.5	427.2	427.8	427.2
54.5°	419.4	420.8	421.3	421.1	423.2	423.2	423.0	422.3	421.2	421.8	421.5
55°	413.9	415.3	414.8	415.5	417.2	417.4	417.4	416.5	415.5	415.9	415.7
55.5°	408.3	409.2	409.1	409.2	411.1	411.7	410.9	410.2	409.6	410.5	409.7
56°	402.1	403.4	403.0	403.5	405.2	405.9	405.8	404.6	403.8	404.3	403.7
56.5°	396.2	397.2	397.1	397.4	399.2	399.8	399.7	398.4	397.6	398.2	397.5
57°	389.7	390.8	391.0	391.5	393.2	393.9	393.5	392.5	391.3	392.1	391.6
57.5°	383.3	384.5	384.8	385.1	387.1	387.3	387.4	386.3	385.4	386.0	385.7
58°	377.5	378.4	378.6	378.7	380.7	381.4	380.7	380.4	379.2	379.6	379.8
58.5°	371.2	372.5	372.6	372.6	374.7	375.4	374.1	374.1	373.1	373.4	373.6
59°	364.8	366.4	365.7	365.9	368.7	368.7	368.2	367.9	367.1	367.6	367.3
59.5°	358.5	359.7	359.4	359.7	362.6	362.3	362.0	361.5	360.5	361.3	360.9
60°	352.7	353.4	353.0	353.3	356.1	356.0	355.8	355.7	354.3	354.9	354.6
60.5°	346.7	346.9	346.8	346.5	349.7	349.7	348.9	348.9	347.5	348.5	348.3
61°	339.8	340.3	340.5	340.1	343.2	343.8	342.7	343.1	341.7	342.0	341.7
61.5°	333.5	334.1	334.4	333.6	336.7	337.3	336.3	336.5	335.4	336.0	335.3
62°	327.1	327.6	328.0	327.6	330.4	330.9	330.5	330.2	329.2	329.6	329.5
62.5°	320.6	320.8	321.5	320.8	323.6	324.2	323.8	323.7	322.6	323.0	322.7
63°	313.9	314.2	315.0	314.6	317.1	318.0	317.4	317.3	316.1	316.5	316.0
63.5°	307.5	308.1	308.3	308.1	310.7	311.5	310.9	310.9	309.9	310.0	309.8
64°	300.8	301.4	301.7	301.5	304.3	304.9	304.4	304.0	303.4	303.6	303.1
64.5°	294.5	295.2	295.4	294.8	297.7	297.9	297.6	297.2	296.7	296.7	296.5
65°	288.0	288.6	288.5	288.4	291.3	291.8	291.4	290.8	290.2	290.5	290.2
65.5°	281.3	281.7	281.8	281.3	285.0	284.6	284.4	284.0	283.4	284.0	283.8
66°	274.6	275.0	275.0	274.5	278.1	277.9	277.2	277.2	276.6	277.4	277.1
66.5°	267.6	268.2	267.9	267.9	271.2	271.1	270.8	270.4	270.2	270.7	270.1
67°	260.6	261.1	261.2	261.1	264.3	264.7	264.2	264.0	263.4	263.8	263.7

TEST NUMBER: P869692
 CATALOG NUMBER: SMX14SLSFSD2W-2000LM-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	254.0	254.6	254.5	254.4	257.5	257.9	257.3	257.1	256.8	257.2	256.8
68°	247.1	247.8	247.6	247.8	250.9	251.3	250.7	250.4	250.6	250.5	250.0
68.5°	240.4	240.9	240.9	240.8	244.2	244.6	244.0	243.7	244.0	243.9	243.2
69°	233.7	234.2	234.1	233.8	237.6	237.8	237.1	236.9	236.9	236.8	236.0
69.5°	226.5	227.1	227.3	227.0	230.5	230.9	230.3	229.8	229.9	229.9	229.5
70°	219.6	220.3	220.2	220.0	223.6	224.0	223.2	222.8	223.0	223.2	222.5
70.5°	212.8	213.4	212.9	213.2	216.9	217.3	216.5	216.3	216.5	216.2	215.8
71°	205.9	206.3	206.0	206.1	210.0	210.4	209.3	209.6	209.4	209.4	209.0
71.5°	199.3	199.6	199.2	199.0	203.0	203.2	202.7	202.5	202.8	202.3	202.0
72°	192.4	192.6	192.3	192.1	196.0	196.4	195.8	195.8	196.0	195.5	195.2
72.5°	185.2	186.0	185.7	185.0	189.3	189.4	189.2	188.8	189.1	188.7	188.3
73°	178.5	179.0	178.7	178.5	182.3	182.6	182.2	182.1	182.1	181.9	181.5
73.5°	171.7	172.2	171.7	171.7	175.6	176.0	175.8	175.4	175.3	175.1	175.0
74°	164.7	165.1	165.0	164.9	168.7	169.2	169.1	168.4	168.5	168.1	167.9
74.5°	157.9	158.5	158.0	158.1	161.8	162.3	161.7	161.6	161.5	161.5	161.2
75°	151.0	151.4	151.2	151.0	154.5	155.1	155.0	154.7	154.6	154.6	154.5
75.5°	144.2	144.3	144.2	144.0	147.7	148.3	147.9	147.9	147.8	147.8	147.7
76°	137.4	137.6	137.4	137.5	140.9	141.5	140.9	141.0	141.0	140.9	140.8
76.5°	130.5	130.8	130.9	130.5	134.3	134.5	134.2	134.4	134.3	134.2	134.3
77°	123.8	124.0	123.7	123.8	127.4	127.9	127.6	127.4	127.4	127.5	127.5
77.5°	117.1	117.6	117.3	117.3	120.5	121.0	120.7	120.8	120.7	120.9	120.9
78°	110.5	110.8	110.5	110.7	114.0	114.3	114.1	113.9	113.6	114.2	114.1
78.5°	104.0	104.2	103.9	104.1	107.7	107.7	107.7	107.3	107.0	107.5	107.6
79°	97.5	97.7	97.4	97.9	101.3	101.4	101.2	101.1	100.7	101.2	101.0
79.5°	91.1	91.4	91.2	91.4	94.9	94.8	94.5	94.5	94.2	94.7	94.7
80°	84.8	84.9	84.8	84.7	88.2	88.4	87.9	87.9	87.8	88.3	88.2
80.5°	78.5	78.6	78.5	78.3	81.8	82.2	81.9	81.8	81.6	82.0	82.1
81°	72.5	72.6	72.4	71.9	75.5	75.9	75.7	75.4	75.5	75.8	75.9
81.5°	66.4	66.5	66.3	66.0	69.4	69.7	69.4	69.3	69.3	69.7	69.8
82°	60.7	60.7	60.6	60.1	63.4	63.6	63.4	63.1	63.1	63.5	63.8
82.5°	54.9	55.0	54.7	54.4	57.8	58.0	57.8	57.6	57.5	57.9	58.3
83°	49.1	49.3	49.0	48.6	52.0	52.1	52.1	51.8	51.8	52.2	52.6
83.5°	43.7	43.9	43.6	43.4	46.2	46.5	46.3	46.3	46.3	46.5	46.9
84°	38.6	38.8	38.5	38.0	40.9	41.0	41.0	40.8	40.7	41.1	41.5
84.5°	33.8	33.8	33.7	33.3	35.8	36.2	35.8	35.7	35.6	35.9	36.3
85°	29.1	29.0	29.0	28.5	30.8	31.0	30.9	30.7	30.6	30.9	31.2
85.5°	24.8	24.8	24.8	24.4	26.1	26.2	26.1	26.1	26.0	26.2	26.6
86°	20.6	20.6	20.5	20.2	22.3	22.3	22.3	22.2	22.2	22.5	22.6
86.5°	16.7	16.8	16.7	16.4	18.5	18.5	18.6	18.3	18.4	18.7	18.8
87°	13.0	13.0	13.1	12.7	14.8	14.9	15.0	14.7	14.7	14.9	15.1
87.5°	9.5	9.4	9.4	9.1	11.3	11.3	11.3	11.2	11.1	11.4	11.6
88°	6.6	6.7	6.6	6.4	8.3	8.3	8.3	8.2	8.2	8.3	8.5
88.5°	4.4	4.5	4.4	4.2	5.6	5.9	5.6	5.5	5.4	5.7	5.8
89°	2.7	2.8	2.8	2.7	3.3	3.5	3.3	3.3	3.1	3.4	3.5
89.5°	1.5	1.5	1.5	1.4	1.6	1.7	1.6	1.4	1.3	1.5	1.6

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



TEST NUMBER: P869692
CATALOG NUMBER: SMX14SLSFSD2W-2000LM-3000K

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: P869692
 CATALOG NUMBER: SMX14SLSFSD2W-2000LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	770.1	770.1	770.1	770.1	770.1	770.1
0.5°	769.4	771.1	770.4	770.1	769.9	769.7
1°	769.2	770.8	771.1	769.7	769.4	769.7
1.5°	769.5	771.1	770.5	770.2	768.9	769.3
2°	768.9	770.3	770.0	769.7	769.1	769.2
2.5°	769.1	770.0	769.5	769.0	769.5	768.9
3°	768.7	769.0	768.8	768.8	769.1	767.8
3.5°	767.9	768.3	768.8	768.0	768.9	767.5
4°	767.8	767.9	768.7	767.3	768.0	767.4
4.5°	767.2	767.3	767.7	767.0	767.7	766.9
5°	765.9	766.9	766.6	766.7	766.6	766.3
5.5°	765.2	766.1	766.1	766.8	766.0	765.9
6°	764.0	765.3	764.9	765.7	765.4	765.5
6.5°	763.6	764.2	764.1	765.2	764.1	764.9
7°	762.8	763.4	763.1	763.8	763.1	764.0
7.5°	762.7	762.9	762.5	762.7	762.9	763.1
8°	761.1	762.2	761.0	761.8	761.5	761.8
8.5°	760.0	761.1	760.6	760.9	760.1	761.0
9°	758.7	759.7	759.6	759.5	759.2	760.3
9.5°	757.2	758.9	758.1	758.3	758.1	759.2
10°	756.5	757.5	756.5	757.1	757.2	758.3
10.5°	755.0	756.0	755.6	755.9	756.4	757.3
11°	753.6	754.1	754.6	754.3	754.8	756.0
11.5°	752.2	752.5	753.6	752.3	753.6	754.7
12°	750.7	751.2	752.1	751.2	752.2	753.1
12.5°	749.3	749.7	750.5	750.4	751.6	751.5
13°	748.1	748.2	748.9	748.6	749.7	750.1
13.5°	746.4	746.3	746.8	747.3	747.9	748.4
14°	744.7	744.0	744.7	746.3	746.3	746.4
14.5°	742.5	742.1	742.4	744.1	744.0	744.0
15°	740.9	740.5	740.3	742.6	741.8	741.8
15.5°	738.8	738.6	738.6	741.1	739.9	739.5
16°	736.9	736.7	736.3	739.3	737.1	737.4
16.5°	734.8	734.5	734.5	737.2	735.3	735.2
17°	732.6	732.4	732.4	734.6	733.1	733.2
17.5°	730.4	730.5	729.9	732.3	730.5	730.8
18°	728.2	728.3	728.1	730.2	728.6	728.7
18.5°	726.1	726.2	725.8	727.4	725.8	726.3
19°	724.0	724.0	723.6	725.0	723.1	723.8
19.5°	721.2	721.5	721.7	722.5	720.8	721.4
20°	718.9	718.9	719.8	719.8	718.6	718.7
20.5°	716.1	716.3	717.4	717.4	716.5	716.5
21°	713.6	713.5	714.7	715.0	714.0	713.9
21.5°	710.9	710.8	712.5	712.2	711.9	711.1
22°	708.5	708.5	710.2	709.4	709.0	708.7

TEST NUMBER: P869692
 CATALOG NUMBER: SMX14SLSFSD2W-2000LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	705.3	705.5	707.1	706.4	706.2	706.1
23°	702.8	702.8	703.8	703.3	703.4	703.5
23.5°	700.3	699.8	701.6	700.6	700.7	701.0
24°	697.3	696.7	698.8	697.1	697.2	698.3
24.5°	694.2	693.8	694.8	694.6	694.2	695.0
25°	690.8	690.8	691.8	691.0	690.8	691.4
25.5°	687.7	687.7	688.6	688.0	687.7	688.4
26°	684.1	684.5	684.8	684.5	684.4	684.6
26.5°	680.9	681.0	681.7	680.9	680.9	682.0
27°	677.7	677.7	678.6	677.7	677.7	678.8
27.5°	675.0	674.4	675.4	674.4	674.4	675.4
28°	671.3	670.6	672.1	670.9	670.7	671.9
28.5°	667.9	667.0	668.7	668.0	667.8	668.3
29°	664.3	663.7	665.4	664.2	663.9	664.7
29.5°	660.6	659.8	662.1	660.7	660.4	661.2
30°	656.9	656.3	658.4	657.0	656.3	657.6
30.5°	653.1	653.2	654.6	652.8	652.6	653.9
31°	649.1	649.1	650.2	649.3	648.9	650.6
31.5°	645.5	645.4	646.0	645.7	645.2	646.6
32°	641.8	641.9	641.9	641.7	641.1	642.4
32.5°	638.3	637.7	638.4	638.4	637.5	638.7
33°	634.4	634.4	634.3	634.3	633.5	634.2
33.5°	630.4	630.2	630.7	630.1	629.8	630.5
34°	626.1	626.0	626.1	626.5	625.3	626.6
34.5°	622.4	621.6	622.2	622.6	621.3	622.6
35°	618.5	617.2	617.7	618.4	617.4	618.0
35.5°	614.3	612.8	613.4	614.2	613.2	614.3
36°	609.8	608.8	609.2	609.7	608.8	610.0
36.5°	605.6	604.5	604.8	605.2	604.9	605.4
37°	601.2	600.3	600.5	600.8	600.6	600.6
37.5°	596.9	595.5	596.0	596.7	596.3	596.4
38°	592.7	590.8	591.6	592.1	592.2	591.9
38.5°	588.5	586.2	587.4	587.1	587.4	587.4
39°	584.0	582.1	582.9	582.8	582.7	582.9
39.5°	579.4	577.5	578.5	578.2	578.2	578.3
40°	574.6	573.1	573.9	573.6	573.3	573.6
40.5°	569.6	568.7	569.0	568.8	569.0	569.2
41°	565.0	564.7	564.6	564.5	564.3	564.3
41.5°	560.1	559.6	560.0	560.0	560.3	560.0
42°	555.3	554.7	555.0	555.2	555.8	554.9
42.5°	550.5	549.5	550.4	550.2	550.0	549.7
43°	545.6	544.6	545.0	545.2	544.8	544.8
43.5°	541.1	539.5	540.6	540.0	539.9	539.7
44°	535.9	534.3	535.7	534.8	534.7	534.6
44.5°	531.1	529.7	530.3	529.8	530.5	529.8

TEST NUMBER: P869692
 CATALOG NUMBER: SMX14SLSFSD2W-2000LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	525.9	524.4	525.2	524.9	525.0	524.4
45.5°	521.0	519.2	520.1	519.7	519.3	518.9
46°	515.6	514.1	514.8	514.7	514.0	514.0
46.5°	510.3	508.6	510.0	509.3	508.7	509.4
47°	505.0	503.1	505.0	504.2	503.8	504.3
47.5°	499.6	497.7	499.6	498.8	499.0	499.3
48°	494.2	492.5	494.0	493.3	494.0	493.7
48.5°	489.3	487.4	488.6	487.9	488.5	488.1
49°	483.3	482.1	483.1	482.3	482.1	482.6
49.5°	478.0	476.7	477.7	476.9	476.6	477.3
50°	472.7	471.2	472.1	471.4	471.7	472.0
50.5°	467.2	465.6	466.4	465.8	465.8	465.8
51°	461.9	460.0	460.8	460.3	459.9	460.4
51.5°	456.0	454.0	454.9	454.6	453.9	454.7
52°	450.5	448.5	449.4	448.9	448.3	449.1
52.5°	444.4	442.4	443.7	443.6	442.7	443.3
53°	439.0	437.0	437.5	437.6	437.0	437.5
53.5°	433.3	431.4	432.0	431.8	431.2	431.6
54°	427.5	425.4	425.5	425.7	425.7	425.6
54.5°	421.6	419.6	420.1	419.3	419.3	419.4
55°	415.6	414.1	414.1	413.2	413.5	413.9
55.5°	409.8	408.2	408.3	407.3	407.7	408.3
56°	404.4	402.0	402.3	401.2	401.7	402.1
56.5°	398.1	396.0	396.2	395.5	395.9	396.2
57°	391.9	389.6	390.1	389.3	389.6	389.7
57.5°	385.8	383.7	384.1	383.3	383.3	383.3
58°	379.8	377.4	377.5	377.8	377.1	377.5
58.5°	373.6	371.3	371.3	371.6	371.4	371.2
59°	367.5	365.0	365.0	365.4	365.3	364.8
59.5°	360.8	358.7	358.5	358.7	359.0	358.5
60°	354.3	352.6	352.4	352.4	352.4	352.7
60.5°	348.4	346.3	346.1	345.9	345.7	346.7
61°	342.3	339.7	340.0	339.3	339.3	339.8
61.5°	335.9	333.2	333.9	332.7	333.3	333.5
62°	329.4	327.2	327.4	326.3	326.5	327.1
62.5°	322.9	320.5	320.8	320.1	319.9	320.6
63°	316.4	313.8	314.1	313.8	313.3	313.9
63.5°	309.7	307.3	307.8	306.9	306.7	307.5
64°	303.6	300.6	301.1	300.4	300.3	300.8
64.5°	296.5	294.1	294.6	294.0	293.9	294.5
65°	290.4	287.3	287.8	287.3	287.1	288.0
65.5°	283.6	280.8	281.0	280.5	280.7	281.3
66°	276.7	273.9	274.0	274.1	274.1	274.6
66.5°	270.0	267.2	267.4	267.3	267.8	267.6
67°	263.7	260.2	260.7	260.3	261.3	260.6

TEST NUMBER: P869692
 CATALOG NUMBER: SMX14SLSFSD2W-2000LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	256.7	253.6	254.5	253.7	254.5	254.0
68°	250.0	246.8	247.5	246.8	247.0	247.1
68.5°	243.2	240.6	240.7	240.2	240.3	240.4
69°	236.3	233.8	234.1	233.8	233.8	233.7
69.5°	229.5	226.8	227.3	226.8	226.9	226.5
70°	222.6	219.8	220.2	219.9	220.0	219.6
70.5°	216.3	213.1	213.3	213.2	213.3	212.8
71°	209.6	205.7	206.1	206.2	206.2	205.9
71.5°	202.5	199.1	199.5	199.1	199.1	199.3
72°	195.6	192.3	192.3	192.2	192.0	192.4
72.5°	188.8	185.5	185.6	185.5	184.8	185.2
73°	182.2	178.6	179.2	178.7	178.2	178.5
73.5°	175.4	171.7	172.4	171.8	171.6	171.7
74°	168.8	164.9	165.3	164.6	164.7	164.7
74.5°	161.8	158.1	158.3	157.9	157.6	157.9
75°	155.0	151.2	151.3	151.0	150.6	151.0
75.5°	148.0	144.4	144.5	144.0	143.8	144.2
76°	141.3	137.5	137.6	137.2	137.1	137.4
76.5°	134.6	130.5	130.8	130.6	130.4	130.5
77°	127.8	124.0	124.0	123.6	123.6	123.8
77.5°	121.0	117.7	117.3	117.2	117.3	117.1
78°	114.3	110.9	110.5	110.6	110.6	110.5
78.5°	107.7	104.5	104.0	104.0	104.1	104.0
79°	101.2	98.1	97.5	97.6	98.0	97.5
79.5°	94.8	91.4	91.4	91.2	91.6	91.1
80°	88.4	84.9	84.9	84.7	85.1	84.8
80.5°	82.2	78.8	78.8	78.8	78.6	78.5
81°	76.0	72.6	72.6	72.6	72.5	72.5
81.5°	69.8	66.5	66.8	66.9	66.4	66.4
82°	63.8	60.7	60.8	60.9	60.5	60.7
82.5°	58.3	55.0	55.3	55.0	54.7	54.9
83°	52.6	49.5	49.6	49.5	49.0	49.1
83.5°	46.9	44.1	44.1	44.0	43.6	43.7
84°	41.5	39.0	39.0	38.9	38.6	38.6
84.5°	36.3	33.9	34.0	33.9	33.8	33.8
85°	31.4	29.2	29.4	29.1	29.1	29.1
85.5°	26.6	25.0	25.0	25.0	25.0	24.8
86°	22.8	20.7	20.9	20.9	20.7	20.6
86.5°	18.9	16.8	17.1	16.9	16.8	16.7
87°	15.3	13.1	13.3	13.2	13.1	13.0
87.5°	11.8	9.5	9.7	9.7	9.6	9.5
88°	8.6	6.7	6.9	6.8	6.8	6.6
88.5°	5.9	4.4	4.6	4.6	4.6	4.4
89°	3.6	2.6	2.8	2.8	2.8	2.7
89.5°	1.8	1.4	1.5	1.5	1.5	1.5

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



TEST NUMBER: P869692
CATALOG NUMBER: SMX14SLSFSD2W-2000LM-3000K

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)