

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: P869647

Luminaire Tested: **SMX14RLSFS010-2000LM-3000K**

Issue Date: 8/29/2024

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P869647  
 Test Lab:  
 Issue Date: 8/29/2024  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: HALO  
 Catalog Number: SMX14RLSFS010-2000LM-3000K  
 Description: 14IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION  
 Light Source: SELECTABLE CCT 90CRI / 3000K CCT  
 Ballast/Driver: -

**Summary**

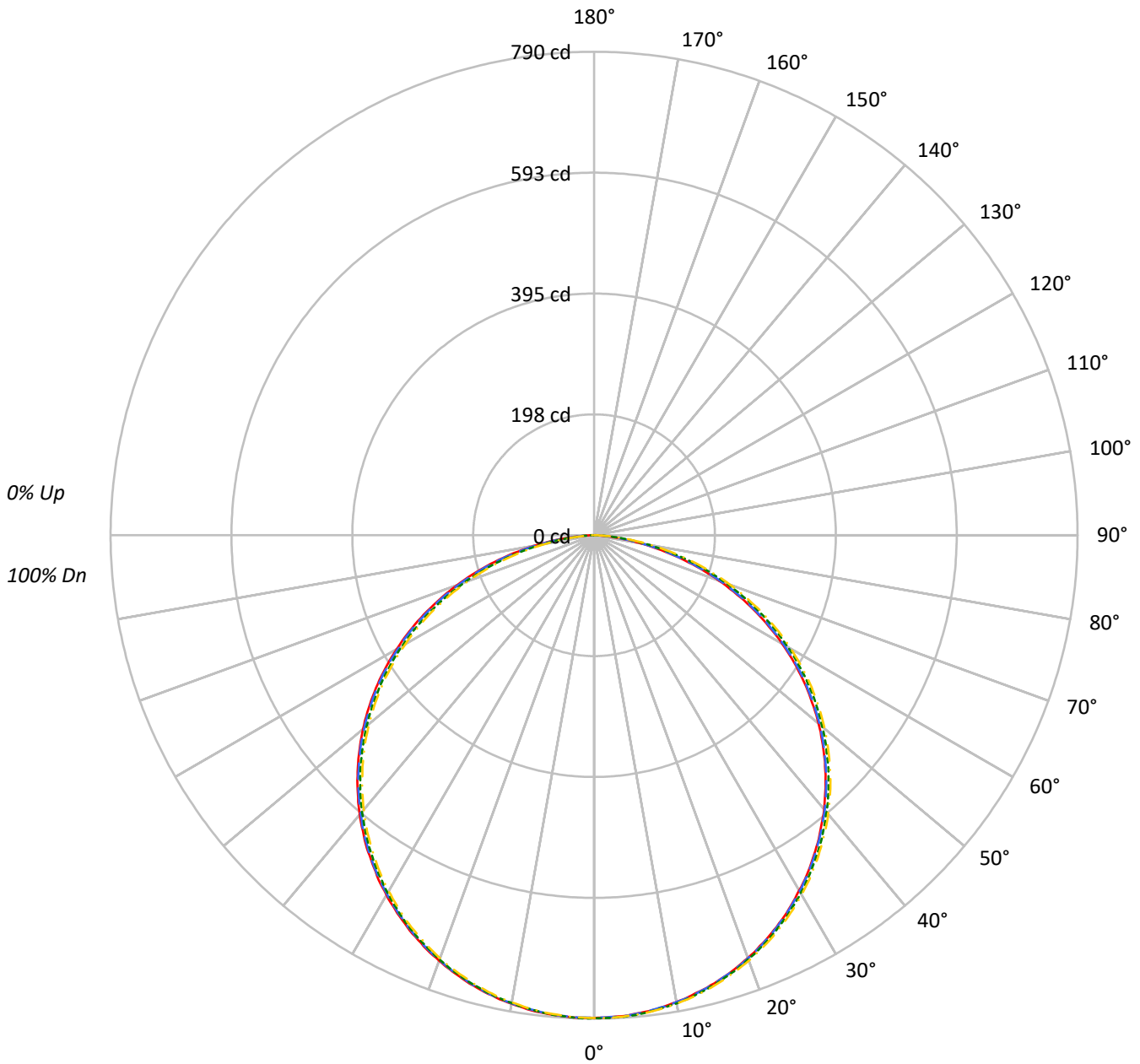
Lumens per Lamp: N/A  
 Luminaire Lumens: 2310.0 lumens  
 Efficiency: N/A  
 Efficacy: 88.5 lumens/watt  
 Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39  
 Luminous Opening: Circular (Dia: 1.17' x H: 0')  
 CIE Type: Direct

Input Watts (W): 26.1  
 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

TEST NUMBER: P869647  
CATALOG NUMBER: SMX14RLSFS010-2000LM-3000K

### Luminous Intensity Polar Plot



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



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	74.7	3.2
10°-20°	214.5	9.3
20°-30°	326.8	14.1
30°-40°	397.3	17.2
40°-50°	416.6	18.0
50°-60°	381.3	16.5
60°-70°	293.7	12.7
70°-80°	166.1	7.2
80°-90°	38.8	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
<b>0°-30°</b>	<b>616.1</b>	<b>26.7</b>
<b>0°-40°</b>	<b>1013.4</b>	<b>43.9</b>
<b>0°-60°</b>	<b>1811.3</b>	<b>78.4</b>
<b>0°-90°</b>	<b>2310.0</b>	<b>100.0</b>
90°-120°	0.0	0.0
90°-150°	0.0	0.0
<b>90°-180°</b>	<b>0.0</b>	<b>0.0</b>
<b>0°-180°</b>	<b>2310.0</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	789	789	789	789	789	
5°	785	787	787	787	785	75
15°	758	760	762	760	758	214
25°	706	709	713	710	706	325
35°	630	636	640	635	630	394
45°	534	542	547	540	534	412
55°	419	429	435	426	419	374
65°	288	300	307	295	288	284
75°	147	160	168	154	147	155
85°	24	33	38	29	24	32
90°	0	0	0	0	0	

TEST NUMBER: P869647  
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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	788.9	788.9	788.9	788.9	788.9	788.9	788.9	788.9	788.9	788.9	788.9
0.5°	788.5	788.3	788.4	789.2	789.4	789.7	789.1	788.8	788.6	788.4	788.6
1°	788.6	787.9	788.2	789.3	789.4	789.4	789.1	788.6	789.0	788.5	788.2
1.5°	788.3	788.1	788.0	788.6	789.2	789.3	789.1	788.9	789.2	788.1	788.3
2°	788.1	787.4	787.7	788.1	789.3	789.1	788.7	788.8	789.0	787.9	788.3
2.5°	787.4	787.3	787.8	788.4	788.7	788.8	788.5	788.5	788.7	787.9	788.0
3°	787.1	787.0	787.3	787.7	788.3	788.5	788.0	788.1	788.3	787.9	787.7
3.5°	787.1	786.6	787.1	787.3	788.3	788.3	787.9	787.9	787.7	787.5	787.3
4°	786.6	786.0	786.6	787.0	787.7	787.7	787.4	787.3	787.1	787.2	787.4
4.5°	785.7	785.2	785.9	786.1	787.1	787.2	787.0	787.1	786.8	786.8	786.4
5°	784.8	784.2	785.2	786.0	786.8	786.5	786.5	786.6	786.6	786.1	786.1
5.5°	783.9	783.5	784.5	784.6	785.8	785.9	785.7	785.7	785.8	785.7	785.5
6°	783.3	782.7	783.7	783.7	785.2	785.0	785.1	785.1	785.2	785.0	784.6
6.5°	782.7	782.0	783.1	783.1	784.2	784.3	784.7	784.5	784.4	784.4	783.8
7°	781.8	781.2	781.5	782.1	783.3	783.0	783.8	783.5	783.9	783.5	782.8
7.5°	781.0	780.2	780.4	781.1	782.2	782.1	782.7	782.5	783.3	782.6	781.7
8°	779.8	779.3	779.2	780.2	781.1	781.0	781.8	781.8	782.2	781.8	781.3
8.5°	778.5	778.0	778.7	779.2	780.2	779.9	780.4	780.4	780.6	780.6	780.0
9°	777.2	777.0	777.4	777.8	778.8	779.4	779.9	779.4	779.5	779.1	779.2
9.5°	775.7	775.6	776.0	776.8	777.7	777.7	778.3	778.2	778.7	778.3	777.7
10°	774.5	774.5	774.5	775.7	776.6	776.6	777.2	777.2	777.1	777.4	776.8
10.5°	773.1	773.3	773.6	774.3	775.2	775.4	775.6	776.0	776.2	776.0	775.4
11°	772.3	771.5	772.2	773.1	773.8	774.0	774.3	774.5	775.0	774.5	774.2
11.5°	770.2	769.9	771.2	771.3	772.4	772.4	773.4	773.3	773.7	772.9	772.6
12°	768.6	768.5	769.3	769.8	771.2	771.0	771.9	771.8	772.3	771.6	771.2
12.5°	766.6	767.1	767.6	768.2	769.2	769.8	769.9	770.6	770.1	770.5	769.8
13°	765.4	765.4	765.8	766.0	767.5	768.3	768.6	768.9	769.1	768.7	768.4
13.5°	763.4	763.4	764.2	764.8	765.9	766.5	766.9	767.2	767.5	766.6	766.7
14°	761.9	761.6	762.3	763.0	764.1	764.6	765.1	765.1	765.7	765.0	764.6
14.5°	759.4	759.6	760.3	761.6	762.1	762.6	763.5	763.8	763.9	763.7	762.9
15°	758.0	757.5	758.7	758.8	760.3	760.8	761.4	762.2	761.9	761.6	761.5
15.5°	755.8	755.5	756.2	757.0	758.2	758.7	759.5	760.1	760.3	759.7	759.1
16°	753.6	753.8	754.0	755.2	756.2	756.7	757.5	757.5	758.3	757.5	756.7
16.5°	751.6	751.8	751.8	753.0	753.8	754.4	755.4	755.4	756.1	755.7	754.8
17°	749.6	749.7	750.2	750.9	751.8	752.1	753.4	753.5	753.6	753.9	752.8
17.5°	747.3	747.4	748.1	749.2	749.4	750.4	751.4	751.4	751.8	751.2	750.9
18°	745.0	744.9	745.6	746.6	747.7	748.3	749.2	749.4	749.6	749.3	748.5
18.5°	742.4	742.2	743.3	743.8	745.0	745.9	746.5	747.0	747.1	747.2	746.4
19°	740.0	739.8	741.0	741.3	742.3	743.5	744.2	744.5	745.2	744.5	743.7
19.5°	737.3	737.4	738.3	739.3	740.1	740.7	742.2	742.2	742.1	742.5	741.3
20°	735.0	734.8	735.8	736.6	737.3	738.7	739.7	740.1	740.1	739.9	739.0
20.5°	732.4	732.0	733.0	734.3	734.9	736.1	737.0	737.6	737.3	737.4	736.7
21°	729.9	729.6	730.2	731.2	732.3	733.1	734.5	735.1	735.1	734.8	733.7
21.5°	727.0	726.6	727.7	728.7	729.8	730.8	731.8	732.5	732.7	732.0	731.2
22°	723.9	724.2	725.1	725.6	726.6	728.0	729.4	729.7	729.8	729.1	728.3

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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°	721.3	721.0	722.1	722.8	724.1	725.1	726.2	726.9	727.1	726.5	725.8
23°	718.3	718.1	718.7	720.3	721.3	722.2	723.7	724.4	723.9	723.9	722.8
23.5°	715.1	715.1	715.6	717.0	718.2	719.1	720.9	721.1	721.0	721.3	719.7
24°	712.1	712.1	713.0	713.9	715.4	716.6	718.1	718.3	718.2	718.4	716.9
24.5°	708.8	709.2	709.8	711.0	712.5	713.2	714.8	715.4	715.4	714.9	714.0
25°	706.1	705.7	706.9	707.7	709.4	710.3	711.8	712.3	712.6	712.3	710.8
25.5°	702.5	702.9	703.4	704.5	705.8	707.3	708.7	709.5	709.2	709.1	707.7
26°	699.2	699.7	700.0	701.4	702.9	704.4	705.3	706.1	705.7	706.1	704.7
26.5°	695.9	695.9	696.5	698.1	699.5	700.7	702.4	702.8	702.5	702.5	701.2
27°	692.9	692.7	693.5	694.3	696.8	697.3	699.0	699.8	699.2	699.4	697.7
27.5°	688.9	689.0	690.0	690.8	693.1	694.0	695.4	696.2	696.1	696.1	694.6
28°	685.3	685.6	686.5	687.5	689.2	690.9	692.3	692.9	692.7	692.6	691.1
28.5°	681.6	681.9	682.7	683.6	686.0	687.1	688.7	689.2	689.2	688.8	687.6
29°	678.0	678.6	679.1	680.3	682.3	683.6	685.5	686.0	686.0	685.4	684.3
29.5°	673.8	674.3	675.4	676.7	679.0	679.9	681.9	682.4	682.6	682.3	680.7
30°	670.3	670.7	671.6	673.2	675.1	676.4	678.3	678.8	678.7	678.6	676.8
30.5°	667.1	667.1	668.3	669.6	671.7	672.7	674.3	675.1	674.9	675.0	673.4
31°	663.1	663.8	663.9	665.4	668.3	668.8	670.6	672.0	671.2	671.4	669.8
31.5°	659.2	659.4	660.4	661.8	664.0	665.4	667.1	667.7	667.7	667.9	666.1
32°	655.5	655.7	656.6	658.0	660.2	661.5	663.7	664.1	664.2	664.2	662.1
32.5°	651.4	651.8	652.0	653.5	655.9	657.6	659.6	660.7	659.9	659.9	658.5
33°	647.1	648.0	648.1	649.6	652.2	653.2	655.5	656.4	655.5	656.0	654.5
33.5°	642.6	643.5	644.2	645.8	648.0	649.2	651.2	652.6	651.8	651.8	650.4
34°	638.7	639.4	639.7	641.7	644.3	645.5	647.3	648.5	647.8	647.9	646.3
34.5°	634.2	635.0	635.9	637.4	640.0	641.4	643.3	644.5	643.6	643.7	642.2
35°	630.1	630.8	631.7	633.0	635.8	637.0	639.2	639.9	639.5	639.5	638.2
35.5°	625.7	626.1	627.3	628.6	631.5	633.0	634.7	635.7	635.7	635.6	634.1
36°	621.5	621.8	622.6	624.2	627.2	628.8	630.9	631.6	631.6	631.1	629.7
36.5°	617.1	617.3	618.6	620.0	623.3	624.1	626.5	627.3	627.3	627.4	625.2
37°	612.6	612.8	613.8	615.5	618.6	620.1	622.1	623.3	622.9	622.9	621.3
37.5°	607.7	608.4	609.3	611.0	613.8	615.5	617.6	618.5	618.3	618.2	616.8
38°	602.9	603.9	604.9	606.4	609.5	611.4	613.5	614.1	613.6	613.4	612.4
38.5°	598.6	599.2	600.0	601.5	604.9	606.6	608.9	609.6	609.6	609.1	607.9
39°	594.0	594.2	595.5	597.1	600.0	601.8	604.3	605.3	605.0	604.6	603.0
39.5°	589.4	589.4	590.8	592.5	595.3	597.5	599.9	600.6	600.3	600.0	598.1
40°	584.6	585.3	586.1	587.9	590.9	593.0	594.8	596.1	595.6	595.5	593.4
40.5°	579.4	580.1	581.5	583.2	586.2	588.2	590.2	591.3	591.0	590.7	588.8
41°	574.6	575.6	576.5	578.5	581.6	583.7	585.5	586.6	586.5	585.9	584.3
41.5°	569.7	570.5	571.6	573.7	576.8	578.9	580.8	581.6	581.7	581.0	579.2
42°	564.7	565.5	566.3	568.7	571.8	573.8	575.7	576.7	576.5	576.1	574.5
42.5°	559.5	560.5	561.2	563.6	566.9	568.7	570.9	572.0	571.7	571.6	569.6
43°	554.3	555.3	556.2	558.5	561.8	563.9	566.1	567.3	566.7	566.3	564.7
43.5°	549.4	550.2	551.3	553.5	556.5	558.8	560.7	562.3	561.8	561.1	559.7
44°	544.6	544.9	546.0	548.1	551.5	553.8	556.0	557.0	556.7	556.2	554.7
44.5°	538.8	539.5	541.0	543.1	546.6	548.7	550.6	551.6	551.5	551.0	549.4

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	533.8	534.3	535.7	538.0	541.5	543.5	545.6	546.7	546.6	546.2	544.3
45.5°	528.7	528.8	530.4	532.7	536.1	538.1	540.4	541.1	541.5	540.8	538.9
46°	523.1	523.6	524.8	527.4	530.6	532.9	535.2	536.1	536.3	535.8	534.0
46.5°	517.9	518.2	519.4	521.7	525.2	527.6	530.0	530.7	530.8	530.4	528.5
47°	512.3	512.8	514.2	516.6	519.8	522.3	524.6	525.4	525.5	524.8	523.0
47.5°	507.0	507.2	509.0	511.1	514.6	516.9	519.2	520.2	520.1	519.7	517.9
48°	501.3	501.7	503.6	505.6	509.3	511.4	513.9	514.9	514.8	514.1	512.7
48.5°	495.8	496.2	497.8	500.0	503.8	506.0	508.4	509.6	509.6	508.8	507.2
49°	490.3	490.5	492.3	494.5	498.1	500.3	503.1	504.1	504.0	503.3	501.7
49.5°	484.6	484.9	486.5	489.0	492.5	494.9	497.4	498.1	498.6	497.9	496.2
50°	478.5	479.1	480.8	483.2	486.9	489.5	492.1	493.0	493.2	492.5	490.2
50.5°	472.8	473.2	475.1	477.7	481.2	483.9	486.3	487.2	487.2	486.6	484.7
51°	467.1	467.5	469.2	471.8	475.7	478.1	480.4	481.7	481.8	480.7	479.2
51.5°	461.1	461.7	463.4	466.0	469.8	472.4	474.8	475.9	476.0	475.1	473.2
52°	455.2	455.8	457.4	460.1	464.3	466.7	469.4	470.6	470.2	469.3	467.8
52.5°	449.1	449.9	451.7	454.2	458.4	460.7	463.4	464.6	464.2	463.5	461.6
53°	443.4	444.1	446.0	448.3	452.4	455.0	457.6	458.9	458.6	457.9	455.9
53.5°	437.3	437.6	439.8	442.2	446.7	449.2	451.3	452.8	452.5	451.9	450.1
54°	431.3	431.4	433.5	436.0	440.7	443.0	445.7	447.0	446.6	446.3	444.0
54.5°	425.3	425.9	427.6	430.0	434.5	437.2	439.8	440.8	440.7	440.1	437.8
55°	419.2	419.8	421.6	424.3	428.8	431.4	434.0	435.3	434.9	434.2	432.0
55.5°	413.0	413.3	415.5	417.9	422.6	425.4	427.8	429.3	429.0	428.0	426.2
56°	406.8	407.2	409.2	411.8	416.7	419.1	422.0	423.3	422.8	421.9	420.0
56.5°	400.2	400.9	403.1	405.4	410.3	412.9	415.6	416.8	416.9	415.5	414.0
57°	393.9	394.7	396.6	398.9	404.0	407.0	409.6	411.0	410.5	409.5	407.8
57.5°	387.5	388.1	390.1	392.7	397.7	400.4	403.2	404.4	404.4	403.4	401.4
58°	381.5	381.9	383.7	386.5	391.5	394.4	397.1	398.2	397.9	396.9	395.2
58.5°	374.8	375.1	377.4	380.1	385.1	388.0	390.6	392.0	392.1	390.6	388.9
59°	368.3	369.1	370.9	373.7	378.9	381.7	384.3	385.6	385.7	384.1	382.4
59.5°	361.5	362.4	364.3	367.1	372.3	375.3	377.9	379.3	379.0	378.0	376.0
60°	355.0	355.8	358.1	360.8	365.8	368.9	371.5	372.8	372.5	371.5	369.5
60.5°	348.7	349.2	351.0	354.1	359.0	362.5	365.1	366.4	366.2	365.1	363.0
61°	342.3	342.9	344.8	347.9	352.6	356.0	358.8	359.9	359.6	358.4	356.9
61.5°	335.3	336.0	338.1	341.2	346.1	349.4	351.9	353.3	353.4	352.0	350.2
62°	328.5	329.5	331.6	334.3	340.0	343.2	345.7	346.9	346.8	345.7	343.8
62.5°	321.5	322.6	324.4	327.5	333.3	336.5	339.3	340.4	340.3	339.0	337.0
63°	314.9	316.0	317.9	321.0	326.5	329.9	332.5	333.8	333.7	332.5	330.5
63.5°	308.2	309.2	311.2	314.1	319.8	323.1	326.0	327.1	327.1	325.8	323.7
64°	301.1	302.3	304.5	307.5	312.9	316.6	319.1	320.2	320.3	319.0	317.2
64.5°	294.7	295.7	297.6	300.7	306.4	309.5	312.4	313.5	313.5	312.3	310.0
65°	287.7	288.7	291.0	294.1	299.7	303.1	306.0	307.0	307.0	305.8	303.8
65.5°	280.8	282.0	283.9	287.3	293.1	296.2	299.0	300.2	300.3	299.1	296.6
66°	273.7	274.8	276.9	280.1	285.9	289.4	292.1	293.4	293.2	292.2	289.9
66.5°	266.9	268.1	269.9	273.0	279.1	282.4	285.0	286.4	286.2	284.9	283.0
67°	260.2	260.9	263.0	266.3	272.1	275.5	278.2	279.6	279.5	278.4	275.9



TEST NUMBER: P869647  
 CATALOG NUMBER: SMX14RLSFS010-2000LM-3000K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	252.9	254.1	256.3	259.3	265.3	268.5	271.2	272.7	272.8	271.4	269.1
68°	245.9	246.8	249.2	252.4	258.3	261.8	264.8	265.8	265.9	264.5	262.4
68.5°	238.8	239.9	242.1	245.4	251.6	255.0	257.6	258.9	258.9	257.6	255.7
69°	231.7	232.7	235.0	238.3	244.6	247.9	250.8	252.0	252.0	250.6	248.8
69.5°	224.6	225.6	228.1	231.0	237.6	241.2	243.9	245.1	245.2	243.7	241.4
70°	217.5	218.6	220.9	224.0	230.6	233.9	236.8	238.0	238.2	236.7	234.3
70.5°	210.5	211.5	213.9	217.3	223.8	226.9	229.8	231.2	231.2	229.9	227.4
71°	203.4	204.2	206.8	209.8	216.7	220.3	223.1	224.3	224.3	222.8	220.5
71.5°	196.0	197.2	199.5	202.7	209.5	213.2	215.9	217.2	217.3	215.8	213.3
72°	189.2	190.1	192.5	195.6	202.3	206.1	209.0	210.0	210.2	208.7	206.3
72.5°	182.3	183.2	185.6	188.8	195.3	199.0	201.8	203.2	203.3	201.7	199.3
73°	175.0	176.1	178.6	181.5	188.2	191.9	194.8	195.8	196.0	194.6	192.0
73.5°	167.9	168.9	171.3	174.4	181.5	185.0	187.8	189.0	189.1	187.6	185.2
74°	160.7	161.9	164.3	167.4	174.4	178.0	181.0	182.0	182.2	180.6	178.3
74.5°	153.6	154.8	157.3	160.2	167.3	170.9	173.8	175.0	175.1	173.7	171.0
75°	146.6	147.7	150.2	153.3	160.3	163.8	166.6	167.9	167.9	166.5	164.1
75.5°	139.7	140.8	143.3	146.4	153.2	156.8	159.5	160.9	160.8	159.4	157.0
76°	132.6	133.7	136.2	139.3	146.1	149.7	152.4	153.8	154.0	152.4	149.9
76.5°	125.6	126.9	129.3	132.2	139.3	143.0	145.5	146.7	146.8	145.4	142.8
77°	118.7	119.8	122.4	125.5	132.2	135.8	138.6	139.9	139.7	138.5	136.1
77.5°	112.1	113.3	115.7	118.8	125.4	129.0	131.8	132.8	132.9	131.6	129.1
78°	105.3	106.5	108.8	111.7	118.6	122.1	124.9	125.9	126.0	124.5	122.2
78.5°	98.5	99.7	102.2	105.4	111.6	115.1	118.0	119.1	119.2	117.8	115.3
79°	92.0	93.2	95.6	98.6	105.2	108.3	111.0	112.2	112.2	110.9	108.6
79.5°	85.4	86.5	89.0	92.0	98.4	101.9	104.6	105.7	105.7	104.4	101.8
80°	79.1	80.0	82.5	85.4	91.8	95.2	97.8	99.0	99.1	97.7	95.4
80.5°	72.6	73.8	76.1	79.0	85.4	88.8	91.4	92.5	92.5	91.1	88.6
81°	66.6	67.7	69.8	72.7	79.0	82.1	84.7	86.0	86.0	84.7	82.3
81.5°	60.5	61.8	63.8	66.7	72.7	75.8	78.3	79.5	79.4	78.0	75.8
82°	54.6	55.7	57.8	60.4	66.4	69.6	71.9	73.1	73.2	71.8	69.5
82.5°	49.0	50.1	52.2	54.8	60.5	63.6	65.9	67.0	67.0	65.7	63.5
83°	43.5	44.5	46.5	48.9	54.7	57.7	60.0	61.3	61.1	59.9	57.6
83.5°	38.3	39.2	41.2	43.5	48.9	51.7	54.1	55.3	55.2	53.8	51.8
84°	33.1	34.2	36.1	38.3	43.2	46.2	48.3	49.4	49.4	48.0	46.0
84.5°	28.5	29.5	31.2	33.4	38.0	40.6	42.9	43.9	43.8	42.6	40.7
85°	24.2	25.1	26.8	28.6	32.9	35.5	37.6	38.6	38.5	37.3	35.6
85.5°	19.9	20.6	22.3	24.3	28.2	30.6	32.4	33.3	33.3	32.2	30.5
86°	16.2	16.7	18.3	20.0	24.1	26.0	27.7	28.6	28.5	27.4	25.9
86.5°	12.2	12.9	14.4	16.2	20.1	22.0	23.6	24.4	24.4	23.4	21.7
87°	8.8	9.3	10.5	12.3	16.3	18.2	19.7	20.5	20.4	19.5	18.0
87.5°	6.4	6.6	7.6	8.9	12.7	14.5	16.0	16.6	16.5	15.7	14.3
88°	4.0	4.5	5.2	6.4	9.4	10.9	12.3	13.0	12.9	12.1	10.9
88.5°	2.4	2.7	3.3	4.2	6.5	7.9	9.0	9.6	9.5	8.8	7.7
89°	1.5	1.6	2.0	2.5	4.1	5.4	6.3	6.7	6.6	6.1	5.3
89.5°	1.0	0.9	1.1	1.4	2.3	3.3	3.9	4.3	4.3	3.8	3.0

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



TEST NUMBER: P869647  
CATALOG NUMBER: SMX14RLSFS010-2000LM-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: P869647  
 CATALOG NUMBER: SMX14RLSFS010-2000LM-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	788.9	788.9	788.9	788.9	788.9	788.9
0.5°	788.9	789.6	789.3	788.9	789.1	788.5
1°	788.9	789.6	789.1	788.7	788.9	788.6
1.5°	789.0	789.5	789.0	788.2	788.1	788.3
2°	788.6	789.1	788.6	788.3	788.1	788.1
2.5°	788.2	788.7	788.4	787.9	787.6	787.4
3°	787.9	788.0	788.2	787.6	787.7	787.1
3.5°	787.8	787.8	787.6	787.2	787.4	787.1
4°	787.4	787.3	787.0	786.2	786.0	786.6
4.5°	786.7	786.9	786.8	785.7	785.9	785.7
5°	786.0	786.6	785.9	785.1	784.7	784.8
5.5°	785.8	785.4	785.6	784.6	784.6	783.9
6°	784.9	784.7	784.5	783.7	783.9	783.3
6.5°	783.8	783.5	783.6	782.7	782.9	782.7
7°	782.9	782.8	782.7	782.0	782.1	781.8
7.5°	782.0	782.0	781.8	781.0	781.5	781.0
8°	780.9	780.7	780.7	780.0	780.6	779.8
8.5°	780.2	779.7	779.3	778.9	779.1	778.5
9°	779.3	778.9	778.6	777.4	777.7	777.2
9.5°	778.0	777.7	777.3	776.0	776.4	775.7
10°	776.5	776.1	775.8	775.2	775.1	774.5
10.5°	775.3	775.0	774.5	773.6	773.2	773.1
11°	774.1	773.6	773.2	772.4	771.7	772.3
11.5°	772.5	772.1	771.7	770.7	770.5	770.2
12°	771.0	770.6	770.1	769.3	769.2	768.6
12.5°	769.5	769.2	768.7	767.3	767.2	766.6
13°	767.6	767.8	766.9	765.9	765.7	765.4
13.5°	765.9	765.8	765.1	764.0	764.0	763.4
14°	764.4	763.9	763.7	762.1	761.8	761.9
14.5°	762.2	762.1	761.7	760.4	760.2	759.4
15°	760.6	760.4	759.7	758.4	758.0	758.0
15.5°	759.0	758.4	757.6	756.3	756.1	755.8
16°	756.7	756.4	755.4	754.1	754.0	753.6
16.5°	754.7	754.3	753.2	751.8	751.6	751.6
17°	752.7	752.0	750.9	749.9	749.6	749.6
17.5°	750.8	749.6	749.1	747.7	747.7	747.3
18°	748.3	747.6	746.1	745.3	744.9	745.0
18.5°	746.2	745.5	744.4	742.9	742.9	742.4
19°	743.7	742.9	741.9	740.7	740.1	740.0
19.5°	741.1	740.3	739.7	738.4	737.7	737.3
20°	738.8	737.9	736.8	735.7	735.4	735.0
20.5°	736.4	735.1	734.2	732.9	732.8	732.4
21°	733.5	732.6	731.5	730.3	729.5	729.9
21.5°	730.6	729.9	728.7	727.5	726.9	727.0
22°	727.9	727.1	725.8	724.5	723.6	723.9

TEST NUMBER: P869647  
 CATALOG NUMBER: SMX14RLSFS010-2000LM-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	724.9	724.1	723.1	721.5	721.1	721.3
23°	722.3	721.6	720.3	718.5	718.0	718.3
23.5°	719.3	718.6	717.6	715.6	715.2	715.1
24°	716.3	715.6	714.1	712.4	711.9	712.1
24.5°	713.6	712.3	711.3	709.2	708.8	708.8
25°	710.8	709.5	708.2	706.7	706.0	706.1
25.5°	707.5	706.5	704.7	703.2	702.8	702.5
26°	704.0	703.3	701.5	700.3	699.3	699.2
26.5°	700.4	699.5	698.2	696.6	696.1	695.9
27°	697.4	696.3	695.0	693.0	692.5	692.9
27.5°	694.5	692.6	691.3	689.7	689.0	688.9
28°	690.3	689.2	688.0	685.7	685.0	685.3
28.5°	687.0	685.9	684.4	682.3	681.2	681.6
29°	683.8	682.2	680.5	678.7	677.8	678.0
29.5°	680.2	678.5	676.9	674.8	674.1	673.8
30°	676.5	674.8	673.6	671.2	670.7	670.3
30.5°	672.7	671.3	669.8	667.7	666.8	667.1
31°	669.2	667.3	665.3	663.9	663.0	663.1
31.5°	665.5	662.9	661.7	660.2	659.2	659.2
32°	661.4	659.6	657.8	656.1	654.9	655.5
32.5°	657.7	655.5	654.1	651.9	651.0	651.4
33°	653.5	651.4	649.9	648.0	647.1	647.1
33.5°	649.4	647.2	645.6	643.8	642.8	642.6
34°	645.3	643.5	641.2	639.3	638.6	638.7
34.5°	641.5	638.9	637.1	635.2	634.0	634.2
35°	636.9	634.9	632.6	631.0	630.0	630.1
35.5°	633.0	630.7	629.0	626.8	625.6	625.7
36°	628.4	626.4	624.4	622.2	621.4	621.5
36.5°	624.4	621.7	619.7	617.6	616.7	617.1
37°	619.7	617.4	614.9	613.6	612.5	612.6
37.5°	615.9	613.2	611.1	609.3	608.0	607.7
38°	610.8	608.4	606.2	604.2	603.0	602.9
38.5°	606.4	603.7	601.4	599.4	598.6	598.6
39°	601.5	599.0	596.7	595.2	594.2	594.0
39.5°	597.3	594.2	592.3	590.2	589.3	589.4
40°	592.2	589.9	587.7	585.6	584.7	584.6
40.5°	587.9	585.2	582.7	580.8	580.0	579.4
41°	582.8	580.3	577.6	575.8	574.8	574.6
41.5°	578.4	575.2	572.8	570.8	569.6	569.7
42°	573.2	570.2	567.9	565.5	564.8	564.7
42.5°	568.2	565.2	562.9	560.6	559.7	559.5
43°	563.3	560.0	557.9	555.6	554.6	554.3
43.5°	558.3	555.0	553.1	550.4	549.6	549.4
44°	553.0	550.0	547.7	545.2	544.3	544.6
44.5°	548.1	544.8	542.5	540.1	538.9	538.8

TEST NUMBER: P869647  
 CATALOG NUMBER: SMX14RLSFS010-2000LM-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	542.9	539.5	537.1	535.0	533.9	533.8
45.5°	537.6	534.2	531.9	529.3	528.8	528.7
46°	532.3	529.2	526.4	524.3	523.1	523.1
46.5°	527.0	523.3	521.1	518.9	517.4	517.9
47°	521.8	518.3	515.5	513.5	511.9	512.3
47.5°	516.2	512.7	510.0	508.2	506.6	507.0
48°	510.7	507.2	504.7	502.6	501.2	501.3
48.5°	505.6	501.7	499.1	497.0	496.1	495.8
49°	500.0	496.4	493.6	491.2	490.3	490.3
49.5°	494.2	490.6	488.0	485.5	484.3	484.6
50°	488.6	484.7	482.1	480.0	478.7	478.5
50.5°	482.8	479.0	476.5	474.2	473.0	472.8
51°	477.1	473.4	470.7	468.3	467.4	467.1
51.5°	471.9	467.7	465.0	462.5	461.2	461.1
52°	465.8	461.8	459.3	456.9	455.3	455.2
52.5°	459.8	455.7	453.2	450.8	449.5	449.1
53°	453.9	449.8	447.3	444.8	443.3	443.4
53.5°	448.0	443.9	441.0	438.5	437.2	437.3
54°	441.9	437.6	435.1	432.7	431.2	431.3
54.5°	436.1	431.8	429.2	426.7	425.5	425.3
55°	430.1	425.9	422.9	420.6	419.4	419.2
55.5°	424.1	419.5	416.7	414.6	413.1	413.0
56°	418.0	413.2	410.7	408.2	406.7	406.8
56.5°	411.7	407.2	404.2	401.7	400.7	400.2
57°	405.5	400.9	398.0	395.4	394.0	393.9
57.5°	399.2	394.5	391.5	388.9	387.5	387.5
58°	392.9	388.1	385.1	382.6	381.3	381.5
58.5°	386.7	381.8	378.7	376.0	374.7	374.8
59°	380.4	375.2	372.0	369.5	368.3	368.3
59.5°	373.6	369.0	365.9	362.7	361.4	361.5
60°	367.2	362.1	359.0	356.3	355.1	355.0
60.5°	360.7	355.6	352.5	349.5	348.5	348.7
61°	354.1	349.0	346.0	343.5	342.0	342.3
61.5°	347.7	342.4	339.4	336.6	335.3	335.3
62°	341.3	335.7	332.8	329.9	328.6	328.5
62.5°	334.5	328.9	325.9	322.8	321.5	321.5
63°	327.9	322.2	319.1	316.3	315.1	314.9
63.5°	321.1	315.2	312.3	309.6	308.3	308.2
64°	314.4	308.6	305.6	303.0	301.6	301.1
64.5°	307.6	302.0	298.7	296.1	294.7	294.7
65°	301.0	295.2	291.8	289.2	287.7	287.7
65.5°	294.3	288.1	285.0	282.3	281.0	280.8
66°	287.1	281.4	278.0	274.9	273.7	273.7
66.5°	280.1	274.2	270.9	268.2	266.9	266.9
67°	273.3	267.6	264.1	261.4	259.8	260.2

TEST NUMBER: P869647  
 CATALOG NUMBER: SMX14RLSFS010-2000LM-3000K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	266.9	260.4	257.0	254.6	252.7	252.9
68°	259.7	253.5	249.8	247.2	245.9	245.9
68.5°	252.7	246.4	242.9	240.0	238.7	238.8
69°	245.6	239.3	235.7	233.2	231.5	231.7
69.5°	238.7	232.3	228.8	225.9	224.4	224.6
70°	231.8	225.2	221.8	218.8	217.8	217.5
70.5°	224.6	218.1	214.7	212.0	210.6	210.5
71°	217.6	210.7	207.6	204.7	203.2	203.4
71.5°	210.6	203.7	200.4	197.6	195.8	196.0
72°	203.5	196.7	193.4	190.5	189.2	189.2
72.5°	196.4	189.7	186.4	183.5	182.2	182.3
73°	189.1	182.6	179.1	176.2	175.1	175.0
73.5°	182.3	175.4	172.1	169.3	167.7	167.9
74°	175.3	168.5	164.8	162.1	160.6	160.7
74.5°	168.2	161.3	157.9	155.0	153.5	153.6
75°	160.9	154.2	150.8	148.0	146.8	146.6
75.5°	154.0	147.1	143.9	140.9	139.3	139.7
76°	146.8	140.0	136.7	133.9	132.6	132.6
76.5°	140.0	133.0	129.6	127.0	125.7	125.6
77°	132.9	126.3	122.9	120.1	118.7	118.7
77.5°	126.0	119.5	116.1	113.5	112.1	112.1
78°	119.2	112.4	109.1	106.7	105.3	105.3
78.5°	112.2	105.8	102.7	99.9	98.7	98.5
79°	105.6	99.1	95.9	93.4	92.1	92.0
79.5°	98.8	92.4	89.3	86.6	85.4	85.4
80°	92.4	85.7	82.5	80.1	78.9	79.1
80.5°	85.8	79.5	76.4	73.7	72.5	72.6
81°	79.4	73.0	69.9	67.7	66.6	66.6
81.5°	72.9	67.1	64.1	61.6	60.4	60.5
82°	66.8	61.0	58.0	55.7	54.6	54.6
82.5°	60.9	55.3	52.4	50.2	49.0	49.0
83°	55.0	49.3	46.7	44.5	43.6	43.5
83.5°	49.1	43.9	41.3	39.2	38.2	38.3
84°	43.5	38.7	36.1	34.1	33.1	33.1
84.5°	38.3	33.6	31.4	29.5	28.5	28.5
85°	33.1	28.8	26.8	25.1	24.3	24.2
85.5°	28.3	24.6	22.4	20.8	20.0	19.9
86°	24.0	20.3	18.4	16.8	16.1	16.2
86.5°	20.1	16.4	14.4	12.8	12.2	12.2
87°	16.3	12.5	10.6	9.4	8.7	8.8
87.5°	12.6	9.0	7.7	6.7	6.3	6.4
88°	9.4	6.4	5.4	4.5	4.1	4.0
88.5°	6.4	4.2	3.4	2.9	2.5	2.4
89°	4.2	2.7	2.1	1.6	1.4	1.5
89.5°	2.2	1.6	1.2	1.0	1.3	1.0

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



TEST NUMBER: P869647  
CATALOG NUMBER: SMX14RLSFS010-2000LM-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)