

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: P869691

Luminaire Tested: **SMX14SLSFSD2W-2000LM-2700K**

Issue Date: 8/29/2024

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P869691  
 Test Lab:  
 Issue Date: 8/29/2024  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: HALO  
 Catalog Number: SMX14SLSFSD2W-2000LM-2700K  
 Description: 14IN SQUARE, 90CRI, DIMMING TO 10%, DAMP LOCATION  
 Light Source: SELECTABLE CCT 90CRI / 2700K CCT  
 Ballast/Driver: -

**Summary**

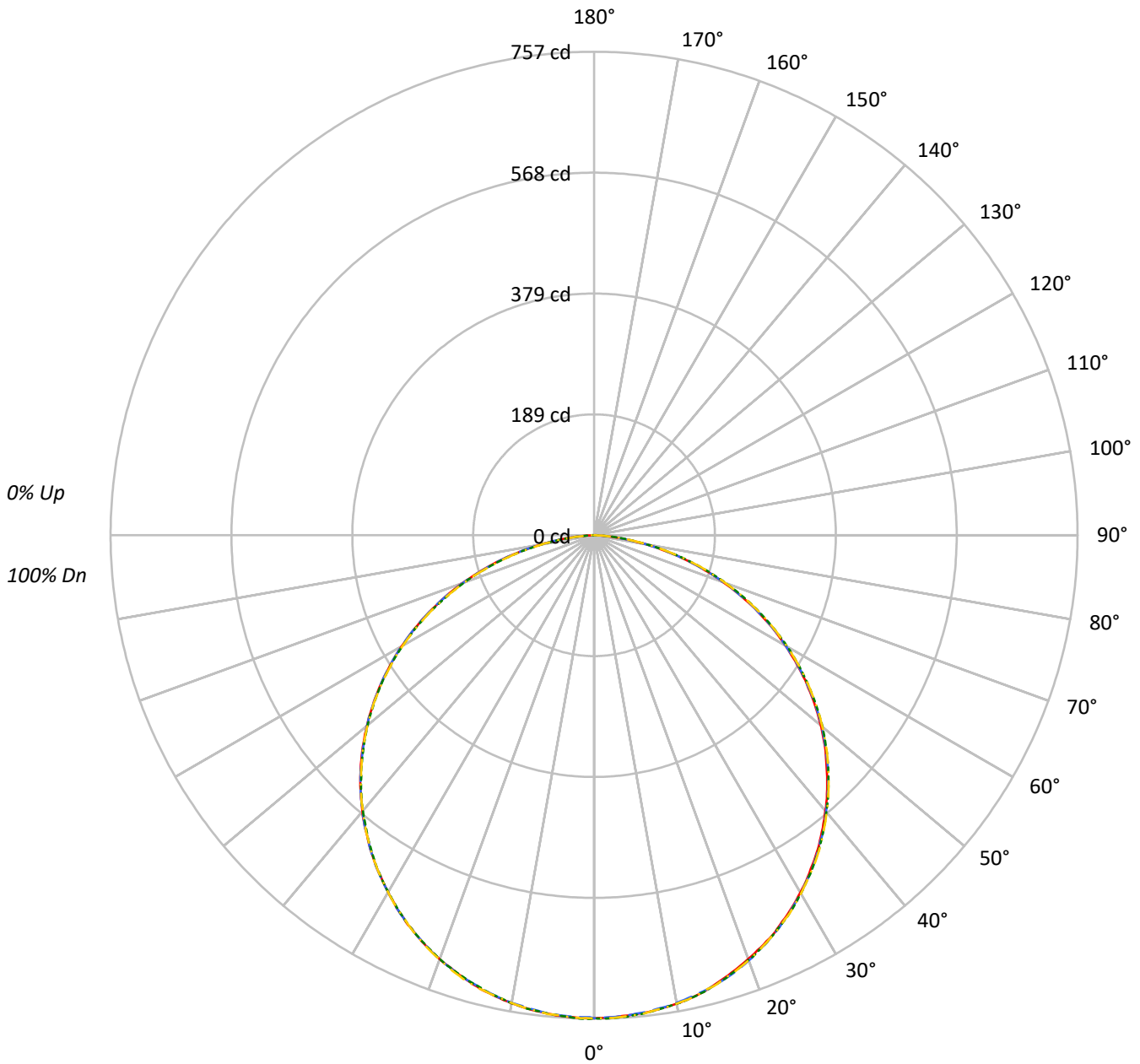
Lumens per Lamp: N/A  
 Luminaire Lumens: 2210.0 lumens  
 Efficiency: N/A  
 Efficacy: 84.4 lumens/watt  
 Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39  
 Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
 CIE Type: Direct

Input Watts (W): 26.2  
 Input Voltage (V): NR  
 Input Current (A<sub>in</sub>): 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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84	84	84	84
2	99	90	83	78	96	88	82	77	85	80	75	82	77	73	79	75	72	69	69	69	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58	58	58	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50	50	50	50
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43	43	43	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37	37	37	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33	33	33	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29	29	29	29
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26	26	26	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24	24	24	24

**AVERAGE LUMINANCE (cd/sqm):**

	0°	90°	180°	270°
0°	5978	5978	5978	5978
5°	5972	5981	5977	5977
10°	5977	5977	5973	5971
15°	5963	5969	5963	5951
20°	5937	5952	5942	5939
25°	5922	5932	5916	5917
30°	5895	5913	5890	5884
35°	5858	5881	5862	5849
40°	5813	5840	5823	5808
45°	5758	5797	5781	5758
50°	5700	5740	5709	5691
55°	5603	5647	5625	5604
60°	5476	5529	5501	5474
65°	5291	5351	5332	5278
70°	4985	5075	5063	4989
75°	4529	4636	4639	4535
80°	3791	3942	3928	3796
85°	2594	2748	2730	2603

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.6	3.2
10°-20°	205.7	9.3
20°-30°	313.2	14.2
30°-40°	380.3	17.2
40°-50°	398.5	18.0
50°-60°	364.4	16.5
60°-70°	280.6	12.7
70°-80°	158.7	7.2
80°-90°	36.9	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°	590.4	26.7
0°-40°	970.8	43.9
0°-60°	1733.7	78.5
0°-90°	2210.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2210.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	756	756	756	756	756	
5°	753	754	753	753	753	72
15°	729	730	729	727	729	206
25°	679	680	678	678	679	313
35°	607	610	608	606	607	380
45°	515	519	517	515	515	398
55°	407	410	408	407	407	363
65°	283	286	285	282	283	279
75°	148	152	152	148	148	157
85°	29	30	30	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°	756.4	756.4	756.4	756.4	756.4	756.4	756.4	756.4	756.4	756.4	756.4
0.5°	756.0	757.3	755.3	756.2	756.9	756.5	756.6	756.5	756.1	756.9	754.5
1°	756.0	757.5	755.7	755.8	756.9	756.3	756.2	756.0	756.3	756.3	754.7
1.5°	755.6	756.7	755.3	755.4	756.8	756.0	756.7	755.5	755.9	756.4	754.8
2°	755.5	756.6	755.0	755.5	756.6	755.6	756.4	755.3	756.1	756.6	754.7
2.5°	755.2	756.5	755.0	754.9	756.7	755.9	756.0	755.2	755.3	756.4	754.5
3°	754.2	756.2	754.2	754.6	755.9	755.4	755.6	755.1	755.0	755.6	754.3
3.5°	753.8	755.4	754.3	754.3	755.6	754.8	755.0	754.8	754.7	755.5	754.0
4°	753.7	754.8	753.4	753.4	755.5	754.7	754.7	754.7	754.3	754.9	753.8
4.5°	753.3	754.5	753.0	753.2	754.5	754.1	754.2	753.8	754.2	755.2	752.8
5°	752.7	754.0	752.0	753.0	753.8	753.6	754.0	753.2	753.4	754.2	752.6
5.5°	752.3	753.2	751.8	752.2	753.2	753.1	753.6	752.1	752.7	753.4	752.0
6°	751.8	752.4	751.2	751.7	752.6	751.8	752.6	751.7	751.8	752.3	751.4
6.5°	751.3	752.2	750.2	750.8	751.8	750.6	751.8	751.1	750.8	751.6	750.2
7°	750.4	751.3	749.6	750.1	750.8	750.2	750.3	750.0	750.4	750.5	749.3
7.5°	749.6	750.1	748.3	748.9	749.9	749.2	749.6	749.0	749.4	750.0	748.4
8°	748.3	749.1	747.5	748.1	748.8	748.2	748.8	748.2	748.5	749.0	747.3
8.5°	747.5	748.3	747.2	746.8	747.8	747.5	747.9	746.6	747.5	747.5	746.0
9°	746.8	747.4	745.9	746.0	746.8	746.2	747.2	745.5	746.4	746.8	745.1
9.5°	745.7	746.0	744.7	745.0	745.7	744.8	745.7	744.6	745.1	746.0	744.2
10°	744.8	744.3	743.5	743.9	744.7	744.3	744.8	743.5	744.2	744.7	743.5
10.5°	743.8	743.5	741.9	742.6	744.3	742.9	743.4	742.2	742.6	743.3	742.0
11°	742.6	741.8	741.1	741.6	742.8	741.8	742.6	740.7	741.4	742.4	740.4
11.5°	741.3	740.7	739.3	739.9	741.4	740.8	741.7	739.4	739.8	740.4	739.2
12°	739.7	739.8	738.1	739.0	739.9	739.2	739.5	737.7	738.6	738.6	737.9
12.5°	738.2	738.6	737.1	737.3	738.7	738.3	738.0	736.4	737.1	737.1	736.1
13°	736.8	737.1	735.6	735.9	736.9	736.5	736.5	735.1	735.3	735.7	734.4
13.5°	735.1	735.7	734.5	733.7	735.4	734.3	734.0	733.2	734.1	734.5	732.9
14°	733.1	733.8	732.7	732.1	733.6	732.9	732.5	731.1	732.6	732.6	730.8
14.5°	730.8	731.9	731.1	730.3	731.4	731.1	731.3	729.4	730.2	731.1	728.7
15°	728.7	730.4	729.8	728.9	729.5	729.8	729.9	727.0	728.8	729.4	727.4
15.5°	726.4	728.5	728.3	726.4	727.7	727.7	727.8	725.3	726.5	727.5	725.4
16°	724.3	725.8	726.2	724.4	725.4	725.4	725.3	724.0	724.3	725.2	723.8
16.5°	722.1	723.4	724.1	722.7	723.8	723.4	723.1	722.1	722.3	723.0	722.1
17°	720.2	721.2	722.3	720.3	721.4	721.1	721.2	720.3	720.3	720.5	720.1
17.5°	717.8	718.9	720.3	717.6	719.0	718.9	719.3	717.9	717.6	718.7	717.9
18°	715.7	716.2	718.2	715.8	716.9	716.9	717.2	715.6	715.3	716.0	715.5
18.5°	713.4	714.1	716.2	713.8	715.0	714.4	714.8	713.9	713.0	714.1	713.1
19°	710.9	711.5	713.6	711.3	712.3	712.5	712.6	711.7	710.9	711.8	711.1
19.5°	708.6	709.0	711.2	708.5	709.9	710.4	710.2	709.0	709.1	709.5	709.1
20°	705.9	706.9	708.4	706.3	707.6	708.0	707.9	706.9	706.5	707.1	706.5
20.5°	703.8	704.9	706.2	703.7	705.7	705.9	705.6	704.2	704.2	704.3	704.3
21°	701.2	701.8	703.8	701.6	703.1	702.9	702.9	702.2	701.6	701.9	701.4
21.5°	698.5	699.3	700.9	698.6	700.3	699.9	699.8	699.4	698.7	699.2	698.6
22°	696.1	696.7	697.1	696.2	697.6	696.9	697.4	697.4	696.3	696.3	695.9

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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°	693.6	694.3	695.3	693.7	695.0	694.1	694.8	694.2	693.4	693.4	692.8
23°	690.9	691.6	692.4	690.7	692.4	691.4	692.1	691.1	690.9	690.5	689.6
23.5°	688.5	689.0	689.6	688.0	689.4	688.9	689.3	688.2	687.5	687.6	687.5
24°	685.9	686.0	686.3	685.3	686.5	686.3	686.6	685.5	684.7	685.3	684.4
24.5°	682.7	683.0	683.7	682.3	683.7	683.6	684.1	682.8	681.7	682.8	681.8
25°	679.1	680.4	680.9	679.1	680.2	680.6	680.9	679.9	678.4	679.3	678.6
25.5°	676.1	677.5	677.6	676.1	677.6	677.5	677.5	676.3	676.1	676.1	676.0
26°	672.5	674.0	674.2	672.5	674.5	674.5	674.6	673.3	672.9	673.6	672.9
26.5°	669.8	670.9	671.3	669.6	671.7	671.1	671.4	669.6	669.3	669.9	669.3
27°	666.7	667.9	667.6	666.9	668.7	667.9	668.7	667.0	666.1	666.6	666.5
27.5°	663.4	664.5	664.5	663.6	665.1	664.5	665.5	663.8	663.2	663.6	662.9
28°	659.9	660.8	661.0	660.2	661.9	661.5	661.6	660.3	659.6	660.6	659.9
28.5°	656.4	657.4	657.4	657.6	658.6	658.0	658.2	657.4	655.8	657.4	656.4
29°	652.9	654.1	654.4	653.8	654.7	654.3	654.7	653.8	652.1	653.9	652.4
29.5°	649.5	650.4	650.7	650.6	651.2	650.9	651.5	650.0	649.0	650.8	648.7
30°	645.9	646.7	647.1	646.9	647.9	647.7	648.1	646.7	645.4	646.6	645.0
30.5°	642.3	643.3	643.8	643.8	644.1	644.2	644.2	643.3	641.7	642.9	641.6
31°	639.0	639.4	639.6	640.4	640.2	640.6	640.1	639.6	638.0	639.4	638.3
31.5°	635.1	636.0	636.2	636.7	636.4	636.7	636.7	635.6	634.1	635.3	634.5
32°	631.0	632.4	632.5	632.6	632.4	633.1	633.0	631.8	630.3	631.6	630.8
32.5°	627.3	628.7	629.0	629.3	629.3	629.4	629.7	628.5	627.2	628.4	626.8
33°	622.9	624.7	624.7	625.3	625.5	625.3	625.6	624.5	623.4	624.6	623.4
33.5°	619.3	620.9	621.3	621.5	621.6	621.0	621.9	620.5	619.4	620.9	619.3
34°	615.4	617.2	617.1	617.6	617.6	617.2	618.3	616.2	615.3	616.3	615.3
34.5°	611.5	612.6	613.1	613.6	613.7	613.5	614.6	612.0	611.5	612.2	611.8
35°	607.1	607.7	608.8	609.3	609.5	609.6	610.7	608.6	607.5	608.0	607.4
35.5°	603.4	603.8	604.6	604.8	605.7	605.8	606.5	604.2	603.7	603.8	603.3
36°	599.1	599.8	600.1	600.8	601.4	601.1	602.3	599.9	599.2	599.6	599.1
36.5°	594.6	596.2	595.9	596.7	597.3	596.6	598.1	595.6	594.8	595.2	594.3
37°	589.9	591.5	592.0	592.4	592.9	592.8	593.9	590.8	590.2	591.1	590.5
37.5°	585.8	587.5	588.0	588.2	588.3	588.3	589.1	587.1	585.9	586.8	586.3
38°	581.4	583.4	583.5	583.6	584.1	583.7	584.4	582.8	582.2	582.7	582.2
38.5°	577.0	578.6	578.9	579.0	579.5	579.1	580.2	578.4	577.8	578.1	578.0
39°	572.6	574.4	574.3	574.5	575.2	574.7	575.8	573.8	573.5	573.6	573.1
39.5°	568.0	569.6	569.7	569.5	570.7	571.0	570.9	569.4	569.3	569.0	568.6
40°	563.4	564.6	565.1	565.1	566.0	566.7	566.4	565.5	564.4	564.6	564.3
40.5°	559.1	560.5	560.7	560.2	561.2	562.1	562.3	561.0	559.8	560.1	559.5
41°	554.3	555.9	556.1	555.8	557.1	557.5	557.4	556.2	554.8	555.5	555.0
41.5°	550.0	551.1	551.5	550.8	552.4	553.2	553.1	551.6	550.8	550.9	550.7
42°	545.0	546.2	546.7	546.2	547.2	548.2	548.0	547.1	546.5	545.9	545.9
42.5°	539.9	541.4	542.2	541.3	542.7	543.4	543.0	542.3	541.5	540.9	541.1
43°	535.1	536.5	537.5	536.5	538.1	538.4	538.2	537.3	536.5	536.0	536.4
43.5°	530.1	531.8	532.3	531.6	533.2	533.2	533.5	532.5	531.8	531.1	531.3
44°	525.1	526.8	527.4	526.9	528.3	528.4	528.6	527.7	526.7	526.2	526.5
44.5°	520.3	521.7	522.4	521.7	523.4	523.7	523.7	522.8	521.9	521.4	521.5

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	515.1	516.8	517.6	516.8	518.6	518.9	518.4	517.8	517.2	516.7	516.1
45.5°	509.7	511.7	512.8	511.8	513.8	513.9	513.3	513.0	512.0	511.6	510.9
46°	504.9	507.1	507.4	507.0	508.5	508.5	508.5	507.7	506.7	506.2	506.1
46.5°	500.3	501.9	502.1	502.0	503.4	503.5	503.6	502.4	501.6	501.7	500.8
47°	495.4	496.6	496.9	496.8	498.1	498.3	498.5	497.0	496.6	496.2	495.6
47.5°	490.5	491.8	491.5	491.3	492.9	493.4	493.0	491.9	491.4	490.9	490.2
48°	484.9	486.3	486.0	486.2	487.7	488.3	487.9	486.9	485.8	485.9	484.9
48.5°	479.4	480.9	480.9	480.6	482.6	482.6	482.6	481.7	480.4	480.6	479.9
49°	474.0	475.7	475.5	475.5	477.5	477.3	477.2	476.2	475.5	475.4	474.6
49.5°	468.8	470.4	470.2	469.9	472.2	471.7	471.9	471.2	469.9	470.4	469.1
50°	463.6	464.8	464.8	464.4	466.8	466.8	466.5	465.5	464.3	464.7	464.1
50.5°	457.6	459.4	459.3	459.1	461.2	461.1	461.0	460.2	459.0	459.2	458.7
51°	452.2	453.7	453.6	453.4	455.5	455.5	455.8	454.4	453.5	453.8	453.5
51.5°	446.6	448.2	448.3	448.0	450.0	449.8	450.2	448.9	447.8	448.2	447.4
52°	441.2	442.8	442.6	442.5	444.3	444.5	444.6	443.2	441.8	442.6	441.8
52.5°	435.4	436.9	436.9	436.9	438.9	439.2	438.9	437.7	436.5	437.4	436.2
53°	429.7	431.3	431.1	430.9	433.0	433.3	433.0	431.9	431.3	431.6	430.9
53.5°	423.9	425.5	425.3	425.0	427.1	427.3	427.0	426.6	425.5	426.4	425.0
54°	418.1	419.3	419.5	419.2	421.4	421.5	421.4	420.9	419.6	420.2	419.6
54.5°	411.9	413.3	413.8	413.6	415.7	415.7	415.5	414.8	413.7	414.3	414.0
55°	406.6	407.9	407.4	408.1	409.8	410.0	410.0	409.1	408.2	408.5	408.3
55.5°	401.0	401.9	401.8	401.9	403.8	404.4	403.6	402.9	402.3	403.2	402.4
56°	395.0	396.2	395.8	396.3	398.0	398.6	398.5	397.4	396.7	397.1	396.6
56.5°	389.1	390.2	390.1	390.3	392.1	392.7	392.6	391.3	390.5	391.1	390.4
57°	382.8	383.8	384.0	384.5	386.2	386.9	386.5	385.5	384.3	385.2	384.6
57.5°	376.5	377.7	378.0	378.3	380.3	380.4	380.5	379.4	378.6	379.1	378.8
58°	370.8	371.7	371.9	372.0	373.9	374.6	373.9	373.7	372.4	372.8	373.1
58.5°	364.6	365.8	365.9	365.9	368.0	368.8	367.4	367.4	366.5	366.8	367.0
59°	358.3	359.9	359.2	359.4	362.2	362.2	361.7	361.3	360.6	361.0	360.7
59.5°	352.2	353.3	353.0	353.3	356.1	355.8	355.6	355.1	354.1	354.9	354.5
60°	346.4	347.1	346.7	347.0	349.8	349.7	349.4	349.3	348.0	348.6	348.3
60.5°	340.6	340.8	340.7	340.4	343.5	343.5	342.7	342.7	341.3	342.3	342.1
61°	333.8	334.3	334.4	334.1	337.1	337.7	336.6	337.0	335.6	336.0	335.7
61.5°	327.6	328.1	328.4	327.7	330.7	331.3	330.3	330.5	329.4	330.0	329.4
62°	321.2	321.8	322.2	321.8	324.5	325.0	324.6	324.4	323.3	323.7	323.6
62.5°	314.9	315.1	315.8	315.1	317.9	318.4	318.0	317.9	316.8	317.3	317.0
63°	308.3	308.6	309.4	309.0	311.4	312.4	311.7	311.6	310.5	310.9	310.4
63.5°	302.0	302.6	302.9	302.6	305.1	306.0	305.4	305.4	304.4	304.5	304.3
64°	295.4	296.1	296.4	296.2	298.9	299.5	299.0	298.6	298.0	298.2	297.7
64.5°	289.3	290.0	290.1	289.6	292.4	292.6	292.3	291.9	291.5	291.5	291.3
65°	282.9	283.4	283.4	283.3	286.1	286.7	286.2	285.6	285.1	285.3	285.1
65.5°	276.3	276.7	276.8	276.3	280.0	279.6	279.3	278.9	278.4	278.9	278.7
66°	269.7	270.1	270.1	269.6	273.2	273.0	272.2	272.2	271.7	272.4	272.1
66.5°	262.8	263.5	263.1	263.1	266.4	266.3	266.0	265.6	265.4	265.9	265.3
67°	255.9	256.5	256.6	256.5	259.6	260.0	259.5	259.3	258.8	259.1	259.0



TEST NUMBER: P869691  
 CATALOG NUMBER: SMX14SLSFSD2W-2000LM-2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	249.5	250.1	250.0	249.9	252.9	253.3	252.7	252.5	252.2	252.6	252.2
68°	242.7	243.4	243.2	243.4	246.4	246.9	246.2	245.9	246.1	246.0	245.6
68.5°	236.1	236.6	236.6	236.5	239.9	240.3	239.6	239.3	239.6	239.5	238.9
69°	229.5	230.0	229.9	229.6	233.4	233.6	232.9	232.6	232.6	232.5	231.8
69.5°	222.5	223.0	223.2	222.9	226.4	226.8	226.2	225.8	225.9	225.9	225.4
70°	215.7	216.4	216.2	216.1	219.6	220.0	219.3	218.9	219.1	219.3	218.5
70.5°	209.0	209.6	209.1	209.5	213.0	213.4	212.7	212.5	212.7	212.4	212.0
71°	202.3	202.7	202.4	202.5	206.2	206.6	205.6	205.9	205.7	205.7	205.3
71.5°	195.8	196.1	195.7	195.5	199.4	199.6	199.1	198.9	199.2	198.7	198.4
72°	189.0	189.2	188.9	188.7	192.5	192.9	192.3	192.3	192.5	192.0	191.7
72.5°	181.9	182.7	182.4	181.7	185.9	186.1	185.8	185.4	185.7	185.3	184.9
73°	175.3	175.8	175.5	175.3	179.1	179.4	179.0	178.8	178.8	178.6	178.3
73.5°	168.6	169.1	168.6	168.6	172.5	172.9	172.7	172.3	172.2	172.0	171.8
74°	161.8	162.1	162.0	161.9	165.7	166.2	166.1	165.4	165.5	165.1	165.0
74.5°	155.1	155.7	155.2	155.3	158.9	159.4	158.8	158.7	158.6	158.6	158.4
75°	148.3	148.7	148.6	148.3	151.8	152.3	152.2	152.0	151.9	151.9	151.8
75.5°	141.7	141.8	141.7	141.5	145.1	145.6	145.3	145.3	145.2	145.2	145.1
76°	135.0	135.2	135.0	135.1	138.4	138.9	138.4	138.5	138.5	138.4	138.3
76.5°	128.2	128.5	128.6	128.2	131.9	132.1	131.8	132.0	131.9	131.8	131.9
77°	121.6	121.8	121.5	121.6	125.1	125.7	125.4	125.2	125.1	125.3	125.3
77.5°	115.0	115.5	115.2	115.2	118.4	118.9	118.6	118.7	118.6	118.8	118.8
78°	108.5	108.9	108.5	108.7	112.0	112.3	112.1	111.9	111.6	112.2	112.1
78.5°	102.2	102.4	102.1	102.3	105.8	105.8	105.8	105.4	105.1	105.6	105.7
79°	95.8	96.0	95.7	96.1	99.5	99.6	99.4	99.3	98.9	99.4	99.2
79.5°	89.5	89.7	89.5	89.7	93.2	93.1	92.8	92.8	92.6	93.0	93.0
80°	83.3	83.4	83.3	83.2	86.6	86.8	86.3	86.3	86.3	86.7	86.6
80.5°	77.1	77.2	77.1	76.9	80.3	80.8	80.4	80.3	80.1	80.5	80.6
81°	71.2	71.3	71.1	70.6	74.2	74.6	74.4	74.1	74.2	74.5	74.6
81.5°	65.2	65.3	65.1	64.9	68.2	68.4	68.2	68.1	68.1	68.4	68.5
82°	59.6	59.6	59.5	59.0	62.3	62.5	62.3	62.0	62.0	62.4	62.7
82.5°	53.9	54.0	53.7	53.4	56.7	56.9	56.7	56.6	56.5	56.8	57.2
83°	48.3	48.5	48.2	47.7	51.1	51.2	51.2	50.9	50.9	51.3	51.7
83.5°	42.9	43.1	42.8	42.6	45.3	45.7	45.4	45.4	45.4	45.7	46.1
84°	37.9	38.1	37.8	37.3	40.2	40.3	40.3	40.1	40.0	40.3	40.7
84.5°	33.2	33.2	33.1	32.7	35.2	35.5	35.2	35.1	35.0	35.3	35.6
85°	28.6	28.5	28.5	28.0	30.3	30.4	30.4	30.2	30.1	30.4	30.6
85.5°	24.3	24.3	24.3	23.9	25.6	25.7	25.6	25.6	25.5	25.7	26.1
86°	20.3	20.3	20.2	19.8	21.9	21.9	21.9	21.8	21.8	22.1	22.2
86.5°	16.4	16.5	16.4	16.1	18.2	18.2	18.3	18.0	18.1	18.4	18.5
87°	12.7	12.7	12.8	12.4	14.5	14.6	14.7	14.4	14.4	14.6	14.8
87.5°	9.3	9.2	9.2	9.0	11.1	11.1	11.1	11.0	10.9	11.2	11.4
88°	6.5	6.6	6.5	6.3	8.1	8.1	8.1	8.0	8.0	8.2	8.4
88.5°	4.3	4.4	4.3	4.1	5.5	5.8	5.5	5.4	5.3	5.6	5.7
89°	2.6	2.7	2.7	2.6	3.2	3.4	3.2	3.2	3.0	3.3	3.4
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: P869691  
CATALOG NUMBER: SMX14SLSFSD2W-2000LM-2700K

**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: P869691  
 CATALOG NUMBER: SMX14SLSFSD2W-2000LM-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	756.4	756.4	756.4	756.4	756.4	756.4
0.5°	755.7	757.4	756.7	756.4	756.2	756.0
1°	755.5	757.1	757.4	756.0	755.7	756.0
1.5°	755.8	757.4	756.8	756.5	755.2	755.6
2°	755.2	756.7	756.3	756.0	755.4	755.5
2.5°	755.4	756.3	755.8	755.3	755.8	755.2
3°	755.0	755.3	755.1	755.1	755.4	754.2
3.5°	754.3	754.7	755.1	754.4	755.2	753.8
4°	754.2	754.3	755.0	753.6	754.4	753.7
4.5°	753.5	753.6	754.0	753.4	754.0	753.3
5°	752.3	753.3	753.0	753.1	753.0	752.7
5.5°	751.6	752.5	752.5	753.2	752.4	752.3
6°	750.4	751.7	751.3	752.1	751.7	751.8
6.5°	750.1	750.6	750.5	751.6	750.5	751.3
7°	749.2	749.9	749.6	750.2	749.6	750.4
7.5°	749.1	749.3	748.9	749.1	749.3	749.6
8°	747.6	748.6	747.5	748.3	748.0	748.3
8.5°	746.5	747.6	747.0	747.4	746.6	747.5
9°	745.2	746.2	746.1	746.0	745.7	746.8
9.5°	743.7	745.4	744.6	744.9	744.6	745.7
10°	743.1	744.0	743.1	743.6	743.7	744.8
10.5°	741.6	742.6	742.1	742.4	743.0	743.8
11°	740.2	740.7	741.2	740.9	741.4	742.6
11.5°	738.8	739.1	740.2	738.9	740.2	741.3
12°	737.3	737.9	738.7	737.8	738.8	739.7
12.5°	736.0	736.4	737.1	737.0	738.3	738.2
13°	734.8	734.9	735.6	735.3	736.4	736.8
13.5°	733.1	733.0	733.6	734.0	734.6	735.1
14°	731.5	730.8	731.5	733.0	733.0	733.1
14.5°	729.3	728.9	729.2	730.9	730.8	730.8
15°	727.7	727.3	727.1	729.4	728.7	728.7
15.5°	725.6	725.4	725.4	727.9	726.8	726.4
16°	723.8	723.6	723.2	726.2	724.0	724.3
16.5°	721.8	721.5	721.5	724.1	722.2	722.1
17°	719.6	719.4	719.4	721.6	720.1	720.2
17.5°	717.4	717.5	717.0	719.3	717.5	717.8
18°	715.3	715.4	715.2	717.2	715.6	715.7
18.5°	713.2	713.3	712.9	714.5	712.9	713.4
19°	711.1	711.1	710.7	712.2	710.3	710.9
19.5°	708.4	708.7	708.9	709.6	708.0	708.6
20°	706.1	706.1	707.0	707.0	705.8	705.9
20.5°	703.4	703.6	704.6	704.6	703.8	703.8
21°	700.9	700.8	702.0	702.3	701.3	701.2
21.5°	698.3	698.2	699.8	699.5	699.2	698.5
22°	695.9	695.9	697.5	696.8	696.4	696.1

TEST NUMBER: P869691  
 CATALOG NUMBER: SMX14SLSFSD2W-2000LM-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	692.7	692.9	694.5	693.9	693.7	693.6
23°	690.3	690.3	691.3	690.8	690.9	690.9
23.5°	687.8	687.4	689.2	688.1	688.2	688.5
24°	684.9	684.4	686.4	684.7	684.8	685.9
24.5°	681.9	681.4	682.5	682.3	681.9	682.7
25°	678.5	678.5	679.5	678.7	678.5	679.1
25.5°	675.5	675.5	676.3	675.8	675.5	676.1
26°	671.9	672.4	672.7	672.3	672.2	672.5
26.5°	668.8	668.9	669.6	668.8	668.8	669.8
27°	665.7	665.7	666.5	665.7	665.7	666.7
27.5°	663.0	662.4	663.4	662.4	662.4	663.4
28°	659.4	658.7	660.1	659.0	658.8	659.9
28.5°	656.1	655.1	656.8	656.2	655.9	656.4
29°	652.5	651.9	653.5	652.4	652.1	652.9
29.5°	648.8	648.1	650.3	649.0	648.6	649.5
30°	645.2	644.7	646.7	645.3	644.7	645.9
30.5°	641.5	641.6	643.0	641.2	641.0	642.3
31°	637.6	637.6	638.6	637.8	637.4	639.0
31.5°	634.0	633.9	634.5	634.2	633.7	635.1
32°	630.4	630.5	630.5	630.2	629.7	631.0
32.5°	626.9	626.4	627.0	627.0	626.2	627.3
33°	623.1	623.1	623.0	623.0	622.2	622.9
33.5°	619.2	619.0	619.5	618.9	618.6	619.3
34°	615.0	614.9	615.0	615.3	614.2	615.4
34.5°	611.3	610.5	611.1	611.5	610.3	611.5
35°	607.5	606.2	606.7	607.4	606.4	607.1
35.5°	603.4	601.9	602.5	603.3	602.3	603.4
36°	598.9	598.0	598.4	598.9	598.0	599.1
36.5°	594.8	593.8	594.0	594.4	594.1	594.6
37°	590.5	589.6	589.8	590.1	589.9	589.9
37.5°	586.3	584.9	585.4	586.1	585.7	585.8
38°	582.2	580.3	581.0	581.6	581.7	581.4
38.5°	578.0	575.8	577.0	576.7	577.0	577.0
39°	573.6	571.7	572.6	572.5	572.4	572.6
39.5°	569.1	567.3	568.2	567.9	567.9	568.0
40°	564.4	562.9	563.7	563.4	563.1	563.4
40.5°	559.5	558.6	558.9	558.7	558.9	559.1
41°	554.9	554.6	554.5	554.5	554.3	554.3
41.5°	550.1	549.6	550.0	550.0	550.3	550.0
42°	545.4	544.8	545.1	545.3	545.9	545.0
42.5°	540.7	539.8	540.6	540.4	540.2	539.9
43°	535.9	534.9	535.3	535.5	535.1	535.1
43.5°	531.5	529.9	531.0	530.4	530.3	530.1
44°	526.4	524.8	526.2	525.3	525.2	525.1
44.5°	521.7	520.2	520.9	520.4	521.1	520.3

TEST NUMBER: P869691  
 CATALOG NUMBER: SMX14SLSFSD2W-2000LM-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	516.6	515.1	515.9	515.5	515.7	515.1
45.5°	511.8	510.0	510.8	510.4	510.1	509.7
46°	506.5	505.0	505.6	505.5	504.9	504.9
46.5°	501.2	499.6	500.9	500.3	499.7	500.3
47°	496.0	494.1	496.0	495.3	494.9	495.4
47.5°	490.7	488.8	490.7	489.9	490.2	490.5
48°	485.5	483.8	485.3	484.5	485.2	484.9
48.5°	480.6	478.8	479.9	479.2	479.8	479.4
49°	474.7	473.5	474.5	473.8	473.6	474.0
49.5°	469.5	468.2	469.2	468.4	468.1	468.8
50°	464.3	462.8	463.7	463.0	463.3	463.6
50.5°	458.9	457.4	458.1	457.6	457.6	457.6
51°	453.7	451.8	452.7	452.1	451.7	452.2
51.5°	447.9	446.0	446.8	446.5	445.9	446.6
52°	442.5	440.5	441.4	441.0	440.3	441.2
52.5°	436.5	434.6	435.8	435.7	434.8	435.4
53°	431.2	429.3	429.7	429.8	429.3	429.7
53.5°	425.6	423.7	424.3	424.1	423.5	423.9
54°	419.9	417.9	418.0	418.2	418.2	418.1
54.5°	414.1	412.1	412.6	411.8	411.8	411.9
55°	408.3	406.7	406.7	405.9	406.2	406.6
55.5°	402.5	400.9	401.1	400.1	400.4	401.0
56°	397.2	394.9	395.2	394.0	394.6	395.0
56.5°	391.0	388.9	389.1	388.5	388.8	389.1
57°	385.0	382.7	383.2	382.3	382.7	382.8
57.5°	378.9	376.9	377.2	376.5	376.5	376.5
58°	373.1	370.7	370.8	371.1	370.4	370.8
58.5°	367.0	364.7	364.7	365.0	364.8	364.6
59°	360.9	358.5	358.5	358.9	358.8	358.3
59.5°	354.4	352.4	352.2	352.4	352.6	352.2
60°	348.0	346.3	346.1	346.1	346.1	346.4
60.5°	342.2	340.1	339.9	339.7	339.5	340.6
61°	336.2	333.7	334.0	333.2	333.3	333.8
61.5°	329.9	327.3	327.9	326.8	327.4	327.6
62°	323.5	321.3	321.5	320.5	320.7	321.2
62.5°	317.2	314.8	315.1	314.4	314.2	314.9
63°	310.8	308.2	308.5	308.2	307.8	308.3
63.5°	304.2	301.8	302.3	301.5	301.3	302.0
64°	298.2	295.2	295.7	295.0	294.9	295.4
64.5°	291.3	288.9	289.4	288.8	288.6	289.3
65°	285.2	282.2	282.7	282.2	282.0	282.9
65.5°	278.5	275.8	276.0	275.5	275.7	276.3
66°	271.8	269.0	269.1	269.2	269.2	269.7
66.5°	265.2	262.4	262.6	262.5	263.0	262.8
67°	259.0	255.5	256.1	255.6	256.7	255.9

TEST NUMBER: P869691  
 CATALOG NUMBER: SMX14SLSFSD2W-2000LM-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	252.2	249.0	250.0	249.2	250.0	249.5
68°	245.6	242.4	243.1	242.4	242.6	242.7
68.5°	238.9	236.3	236.4	235.9	236.0	236.1
69°	232.1	229.6	229.9	229.6	229.6	229.5
69.5°	225.4	222.7	223.2	222.7	222.8	222.5
70°	218.7	215.9	216.2	216.0	216.1	215.7
70.5°	212.5	209.3	209.5	209.5	209.5	209.0
71°	205.9	202.0	202.5	202.6	202.6	202.3
71.5°	198.9	195.6	196.0	195.6	195.6	195.8
72°	192.1	188.9	188.9	188.8	188.6	189.0
72.5°	185.4	182.2	182.3	182.2	181.6	181.9
73°	179.0	175.4	176.0	175.5	175.0	175.3
73.5°	172.3	168.6	169.3	168.7	168.5	168.6
74°	165.8	161.9	162.3	161.7	161.8	161.8
74.5°	158.9	155.3	155.5	155.1	154.8	155.1
75°	152.2	148.5	148.7	148.3	147.9	148.3
75.5°	145.4	141.9	142.0	141.4	141.2	141.7
76°	138.8	135.1	135.2	134.8	134.7	135.0
76.5°	132.3	128.2	128.5	128.3	128.1	128.2
77°	125.6	121.8	121.8	121.4	121.4	121.6
77.5°	118.9	115.6	115.2	115.1	115.2	115.0
78°	112.3	109.0	108.5	108.6	108.6	108.5
78.5°	105.8	102.7	102.2	102.2	102.3	102.2
79°	99.4	96.3	95.8	95.9	96.2	95.8
79.5°	93.1	89.7	89.7	89.5	89.9	89.5
80°	86.8	83.4	83.4	83.2	83.6	83.3
80.5°	80.8	77.4	77.4	77.4	77.2	77.1
81°	74.7	71.3	71.4	71.4	71.2	71.2
81.5°	68.5	65.3	65.6	65.7	65.2	65.2
82°	62.7	59.7	59.8	59.9	59.4	59.6
82.5°	57.2	54.0	54.3	54.0	53.7	53.9
83°	51.7	48.6	48.7	48.6	48.2	48.3
83.5°	46.1	43.4	43.4	43.3	42.8	42.9
84°	40.7	38.3	38.3	38.2	37.9	37.9
84.5°	35.6	33.3	33.4	33.3	33.2	33.2
85°	30.8	28.7	28.8	28.6	28.6	28.6
85.5°	26.1	24.5	24.6	24.5	24.5	24.3
86°	22.4	20.4	20.5	20.5	20.4	20.3
86.5°	18.6	16.5	16.8	16.6	16.5	16.4
87°	15.0	12.9	13.1	13.0	12.9	12.7
87.5°	11.6	9.3	9.5	9.5	9.4	9.3
88°	8.5	6.6	6.8	6.7	6.7	6.5
88.5°	5.8	4.3	4.5	4.5	4.5	4.3
89°	3.6	2.5	2.7	2.7	2.7	2.6
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: P869691  
CATALOG NUMBER: SMX14SLSFSD2W-2000LM-2700K

**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)