

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: P869676

Luminaire Tested: **SMX14SLSFS010-2000LM-2700K**

Issue Date: 8/29/2024

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P869676  
 Test Lab:  
 Issue Date: 8/29/2024  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: HALO  
 Catalog Number: SMX14SLSFS010-2000LM-2700K  
 Description: 14IN SQUARE, 90CRI, DIMMING TO 10%, DAMP LOCATION  
 Light Source: SELECTABLE CCT 90CRI / 2700K CCT  
 Ballast/Driver: -

**Summary**

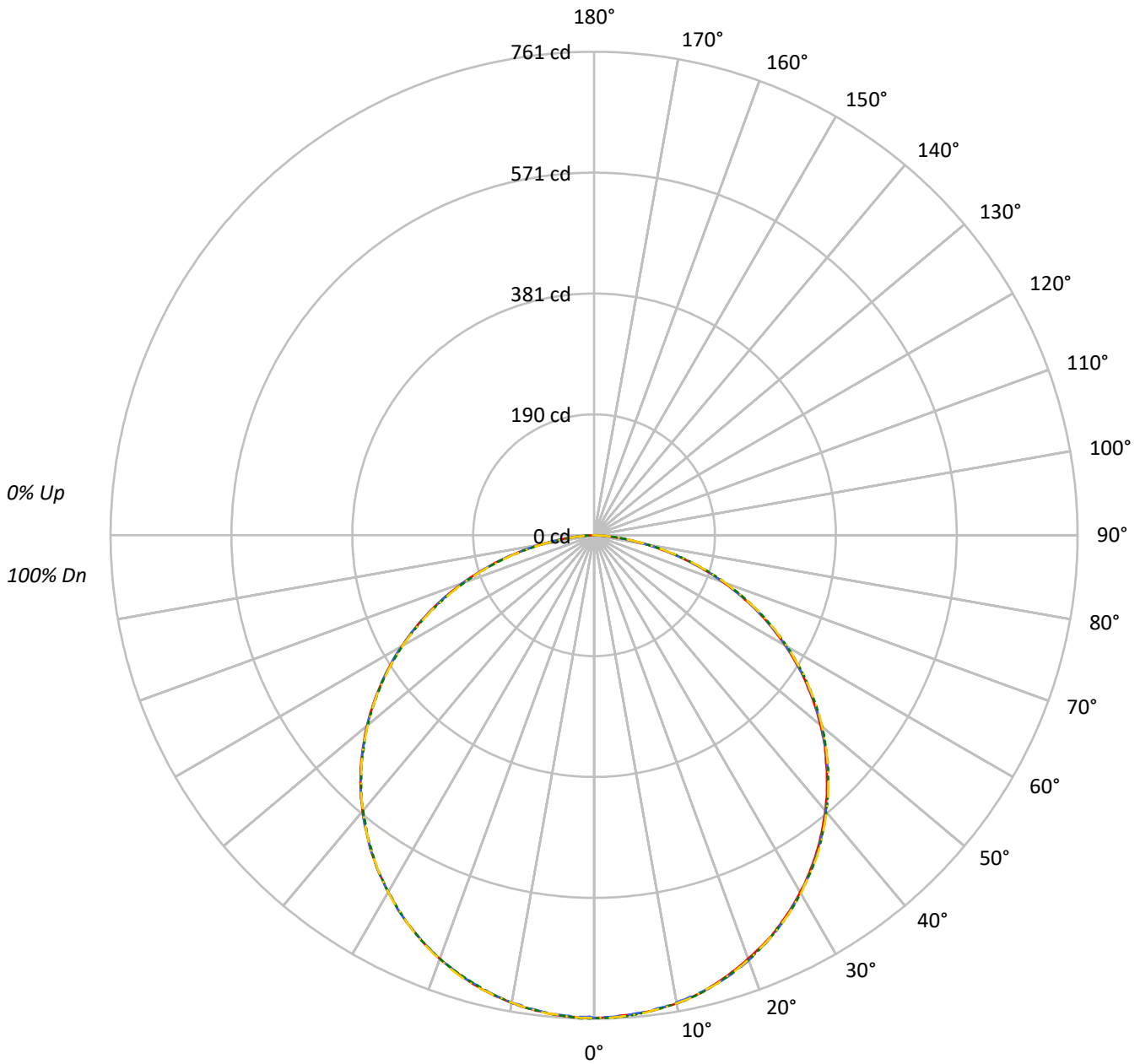
Lumens per Lamp: N/A  
 Luminaire Lumens: 2220.0 lumens  
 Efficiency: N/A  
 Efficacy: 85.7 lumens/watt  
 Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39  
 Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
 CIE Type: Direct

Input Watts (W): 25.9  
 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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91		93	91	88		90	88	86	84
2	99	90	83	78	96	88	82	77	85	80	75		82	77	73		79	75	72	69
3	90	79	71	64	87	78	70	64	75	68	63		72	66	61		69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53		64	58	52		62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46		57	51	45		55	50	45	43
6	70	56	47	41	68	55	47	40	53	46	40		52	45	40		50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35		47	40	35		46	40	35	33
8	60	46	38	32	58	46	37	32	44	37	32		43	36	31		42	36	31	29
9	56	43	34	29	55	42	34	29	41	33	28		40	33	28		39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26		37	30	26		36	30	25	24

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

	0°	90°	180°	270°
0°	6005	6005	6005	6005
5°	5999	6008	6005	6004
10°	6004	6003	6000	5998
15°	5990	5996	5990	5978
20°	5964	5978	5969	5966
25°	5948	5959	5943	5944
30°	5921	5939	5917	5910
35°	5884	5908	5889	5875
40°	5840	5866	5850	5835
45°	5783	5823	5808	5783
50°	5726	5766	5735	5716
55°	5628	5672	5650	5630
60°	5501	5555	5526	5499
65°	5315	5375	5354	5302
70°	5005	5098	5086	5010
75°	4547	4657	4657	4553
80°	3810	3960	3942	3814
85°	2603	2757	2739	2612

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	71.9	3.2
10°-20°	206.6	9.3
20°-30°	314.6	14.2
30°-40°	382.1	17.2
40°-50°	400.3	18.0
50°-60°	366.1	16.5
60°-70°	281.9	12.7
70°-80°	159.4	7.2
80°-90°	37.1	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°	593.1	26.7
0°-40°	975.2	43.9
0°-60°	1741.6	78.5
0°-90°	2220.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2220.0	100.0

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	760	760	760	760	760	
5°	756	757	757	757	756	72
15°	732	733	732	731	732	207
25°	682	683	682	682	682	314
35°	610	612	610	609	610	382
45°	517	521	520	517	517	399
55°	408	412	410	409	408	365
65°	284	287	286	284	284	280
75°	149	152	152	149	149	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°	759.8	759.8	759.8	759.8	759.8	759.8	759.8	759.8	759.8	759.8	759.8
0.5°	759.4	760.7	758.7	759.6	760.4	759.9	760.0	759.9	759.5	760.4	757.9
1°	759.4	760.9	759.1	759.2	760.4	759.7	759.6	759.4	759.7	759.7	758.1
1.5°	759.0	760.2	758.7	758.8	760.3	759.4	760.1	758.9	759.3	759.8	758.2
2°	758.9	760.0	758.5	758.9	760.0	759.0	759.8	758.7	759.5	760.0	758.1
2.5°	758.7	759.9	758.4	758.3	760.1	759.3	759.4	758.7	758.7	759.8	757.9
3°	757.6	759.6	757.6	758.0	759.3	758.8	759.0	758.6	758.5	759.0	757.7
3.5°	757.2	758.8	757.7	757.7	759.0	758.2	758.5	758.2	758.1	758.9	757.4
4°	757.1	758.2	756.9	756.9	758.9	758.1	758.1	758.1	757.7	758.3	757.2
4.5°	756.7	757.9	756.4	756.6	757.9	757.5	757.6	757.2	757.6	758.7	756.2
5°	756.1	757.4	755.4	756.4	757.2	757.0	757.4	756.6	756.9	757.6	756.0
5.5°	755.7	756.6	755.2	755.6	756.6	756.5	757.0	755.5	756.1	756.8	755.4
6°	755.2	755.8	754.6	755.1	756.0	755.2	756.0	755.1	755.2	755.7	754.8
6.5°	754.7	755.6	753.6	754.2	755.2	754.0	755.2	754.5	754.2	755.0	753.6
7°	753.8	754.7	753.0	753.5	754.2	753.6	753.7	753.4	753.8	753.9	752.7
7.5°	753.0	753.5	751.6	752.3	753.3	752.6	753.0	752.4	752.8	753.4	751.8
8°	751.6	752.5	750.9	751.5	752.2	751.6	752.2	751.6	751.9	752.4	750.7
8.5°	750.9	751.6	750.6	750.2	751.2	750.9	751.3	749.9	750.9	750.9	749.4
9°	750.1	750.8	749.3	749.4	750.1	749.6	750.6	748.9	749.8	750.1	748.4
9.5°	749.1	749.4	748.0	748.3	749.1	748.1	749.1	748.0	748.4	749.4	747.6
10°	748.1	747.7	746.8	747.3	748.0	747.7	748.1	746.9	747.6	748.0	746.9
10.5°	747.2	746.8	745.3	746.0	747.7	746.2	746.7	745.6	746.0	746.6	745.4
11°	746.0	745.1	744.5	744.9	746.2	745.1	746.0	744.1	744.7	745.8	743.8
11.5°	744.6	744.1	742.7	743.2	744.7	744.2	745.0	742.7	743.1	743.8	742.6
12°	743.0	743.1	741.4	742.4	743.2	742.6	742.8	741.0	742.0	742.0	741.2
12.5°	741.5	741.9	740.5	740.7	742.1	741.6	741.3	739.7	740.5	740.5	739.4
13°	740.1	740.5	739.0	739.2	740.2	739.8	739.8	738.4	738.7	739.1	737.7
13.5°	738.4	739.1	737.8	737.1	738.8	737.6	737.3	736.5	737.4	737.8	736.2
14°	736.4	737.2	736.0	735.5	736.9	736.2	735.8	734.4	735.9	735.9	734.1
14.5°	734.1	735.2	734.4	733.6	734.7	734.4	734.6	732.7	733.5	734.4	732.0
15°	732.0	733.7	733.1	732.2	732.8	733.1	733.2	730.2	732.1	732.7	730.7
15.5°	729.7	731.8	731.6	729.7	731.0	731.0	731.1	728.5	729.8	730.8	728.7
16°	727.6	729.1	729.5	727.7	728.6	728.6	728.5	727.3	727.6	728.4	727.1
16.5°	725.4	726.6	727.4	726.0	727.0	726.6	726.4	725.4	725.6	726.3	725.3
17°	723.4	724.5	725.6	723.5	724.7	724.4	724.5	723.5	723.5	723.8	723.3
17.5°	721.1	722.1	723.5	720.9	722.3	722.1	722.6	721.2	720.9	721.9	721.2
18°	719.0	719.5	721.4	719.1	720.1	720.1	720.4	718.8	718.5	719.3	718.7
18.5°	716.6	717.4	719.5	717.0	718.2	717.7	718.0	717.1	716.2	717.4	716.3
19°	714.1	714.7	716.8	714.5	715.5	715.8	715.9	714.9	714.1	715.0	714.3
19.5°	711.8	712.3	714.4	711.7	713.1	713.6	713.4	712.3	712.4	712.7	712.4
20°	709.1	710.1	711.6	709.5	710.8	711.2	711.1	710.1	709.7	710.3	709.7
20.5°	707.0	708.1	709.4	706.9	708.8	709.1	708.8	707.4	707.4	707.5	707.5
21°	704.4	705.0	707.0	704.8	706.3	706.1	706.1	705.3	704.8	705.1	704.6
21.5°	701.7	702.5	704.1	701.7	703.4	703.1	703.0	702.6	701.8	702.4	701.7
22°	699.3	699.9	700.2	699.4	700.8	700.0	700.5	700.5	699.5	699.5	699.0

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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°	696.7	697.5	698.4	696.8	698.1	697.2	698.0	697.4	696.5	696.5	696.0
23°	694.1	694.7	695.5	693.8	695.5	694.5	695.2	694.3	694.1	693.6	692.7
23.5°	691.6	692.1	692.7	691.1	692.6	692.0	692.4	691.3	690.6	690.7	690.6
24°	689.0	689.2	689.4	688.4	689.6	689.4	689.7	688.6	687.8	688.4	687.5
24.5°	685.7	686.1	686.8	685.4	686.8	686.7	687.2	685.9	684.8	685.9	684.9
25°	682.1	683.5	683.9	682.1	683.3	683.7	683.9	683.0	681.5	682.3	681.7
25.5°	679.2	680.5	680.6	679.1	680.6	680.5	680.5	679.4	679.1	679.1	679.0
26°	675.5	677.0	677.2	675.5	677.6	677.5	677.7	676.4	675.9	676.7	676.0
26.5°	672.9	673.9	674.4	672.6	674.8	674.1	674.5	672.7	672.3	673.0	672.3
27°	669.7	671.0	670.6	669.9	671.7	670.9	671.7	670.0	669.1	669.6	669.6
27.5°	666.4	667.5	667.5	666.6	668.1	667.5	668.5	666.8	666.2	666.6	665.9
28°	662.9	663.8	664.0	663.2	664.9	664.5	664.6	663.3	662.5	663.6	662.9
28.5°	659.4	660.4	660.4	660.6	661.6	660.9	661.2	660.4	658.8	660.4	659.4
29°	655.8	657.1	657.3	656.8	657.6	657.2	657.6	656.8	655.1	656.9	655.3
29.5°	652.4	653.4	653.6	653.5	654.1	653.8	654.5	653.0	651.9	653.7	651.7
30°	648.8	649.7	650.0	649.9	650.8	650.6	651.0	649.7	648.3	649.5	648.0
30.5°	645.2	646.2	646.7	646.7	647.0	647.1	647.1	646.2	644.6	645.8	644.6
31°	641.9	642.3	642.5	643.3	643.1	643.5	643.0	642.5	640.9	642.3	641.1
31.5°	638.0	638.9	639.1	639.5	639.2	639.6	639.5	638.5	637.0	638.2	637.4
32°	633.9	635.3	635.4	635.5	635.3	635.9	635.8	634.6	633.2	634.4	633.7
32.5°	630.2	631.6	631.9	632.1	632.1	632.2	632.5	631.3	630.1	631.2	629.7
33°	625.7	627.5	627.5	628.2	628.4	628.2	628.5	627.3	626.2	627.4	626.2
33.5°	622.1	623.7	624.1	624.3	624.4	623.8	624.8	623.3	622.2	623.7	622.1
34°	618.2	620.0	619.9	620.4	620.4	620.0	621.1	619.0	618.0	619.1	618.1
34.5°	614.3	615.4	615.9	616.3	616.5	616.2	617.4	614.7	614.3	615.0	614.5
35°	609.8	610.5	611.5	612.1	612.3	612.4	613.5	611.3	610.3	610.7	610.2
35.5°	606.1	606.6	607.3	607.5	608.5	608.6	609.2	607.0	606.4	606.5	606.0
36°	601.8	602.5	602.8	603.6	604.1	603.8	605.1	602.6	601.9	602.3	601.8
36.5°	597.3	598.9	598.6	599.4	600.0	599.3	600.8	598.3	597.5	597.9	597.0
37°	592.6	594.2	594.7	595.1	595.6	595.5	596.5	593.5	592.9	593.8	593.1
37.5°	588.4	590.2	590.7	590.9	591.0	591.0	591.8	589.7	588.6	589.4	589.0
38°	584.0	586.0	586.1	586.2	586.8	586.3	587.1	585.5	584.8	585.4	584.8
38.5°	579.6	581.2	581.5	581.6	582.2	581.7	582.8	581.0	580.4	580.7	580.6
39°	575.1	577.0	576.8	577.1	577.8	577.3	578.4	576.4	576.1	576.2	575.7
39.5°	570.6	572.2	572.3	572.1	573.3	573.6	573.4	572.0	571.8	571.5	571.2
40°	566.0	567.2	567.7	567.7	568.5	569.3	569.0	568.0	567.0	567.2	566.8
40.5°	561.6	563.0	563.2	562.7	563.8	564.6	564.8	563.5	562.4	562.6	562.1
41°	556.8	558.4	558.6	558.3	559.6	560.0	559.9	558.8	557.3	558.0	557.5
41.5°	552.5	553.6	554.0	553.3	554.9	555.7	555.6	554.1	553.3	553.4	553.2
42°	547.5	548.6	549.2	548.6	549.7	550.7	550.5	549.6	549.0	548.3	548.3
42.5°	542.4	543.8	544.7	543.7	545.1	545.9	545.5	544.7	544.0	543.3	543.5
43°	537.6	538.9	539.9	538.9	540.5	540.9	540.7	539.7	539.0	538.4	538.8
43.5°	532.5	534.2	534.7	534.0	535.7	535.7	535.9	534.9	534.2	533.5	533.7
44°	527.5	529.2	529.8	529.3	530.6	530.8	531.0	530.1	529.1	528.6	528.8
44.5°	522.7	524.0	524.8	524.0	525.8	526.1	526.1	525.1	524.3	523.7	523.8

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	517.4	519.2	519.9	519.2	521.0	521.3	520.8	520.1	519.6	519.0	518.4
45.5°	512.0	514.0	515.1	514.2	516.2	516.2	515.6	515.3	514.4	513.9	513.2
46°	507.2	509.4	509.7	509.3	510.9	510.9	510.8	510.0	509.0	508.5	508.4
46.5°	502.6	504.1	504.4	504.2	505.6	505.7	505.9	504.7	503.8	503.9	503.1
47°	497.6	498.8	499.1	499.0	500.3	500.5	500.7	499.3	498.8	498.4	497.9
47.5°	492.7	494.0	493.7	493.5	495.1	495.6	495.2	494.1	493.6	493.1	492.4
48°	487.1	488.5	488.2	488.4	489.9	490.5	490.1	489.1	488.0	488.1	487.1
48.5°	481.6	483.1	483.1	482.8	484.8	484.8	484.8	483.9	482.5	482.7	482.1
49°	476.2	477.8	477.6	477.6	479.7	479.5	479.3	478.4	477.6	477.5	476.8
49.5°	470.9	472.5	472.3	472.0	474.3	473.8	474.0	473.4	472.0	472.5	471.3
50°	465.7	466.9	466.9	466.5	468.9	468.9	468.6	467.6	466.4	466.8	466.2
50.5°	459.6	461.5	461.4	461.1	463.3	463.2	463.1	462.3	461.0	461.2	460.8
51°	454.2	455.7	455.6	455.5	457.5	457.5	457.8	456.5	455.6	455.8	455.6
51.5°	448.6	450.2	450.3	450.1	452.0	451.9	452.2	450.9	449.9	450.2	449.4
52°	443.1	444.9	444.6	444.5	446.3	446.6	446.7	445.2	443.8	444.6	443.8
52.5°	437.4	438.9	438.9	438.9	440.9	441.2	440.9	439.6	438.5	439.4	438.2
53°	431.7	433.3	433.0	432.8	434.9	435.3	434.9	433.9	433.2	433.6	432.8
53.5°	425.8	427.4	427.2	427.0	429.0	429.2	428.9	428.6	427.4	428.3	427.0
54°	419.9	421.2	421.4	421.1	423.3	423.5	423.3	422.8	421.5	422.1	421.5
54.5°	413.8	415.2	415.7	415.5	417.6	417.6	417.4	416.6	415.6	416.2	415.9
55°	408.4	409.7	409.2	409.9	411.6	411.8	411.8	411.0	410.0	410.4	410.2
55.5°	402.8	403.8	403.7	403.8	405.7	406.2	405.5	404.7	404.1	405.0	404.2
56°	396.7	398.0	397.6	398.1	399.8	400.4	400.3	399.2	398.5	398.9	398.4
56.5°	390.9	391.9	391.8	392.1	393.9	394.5	394.4	393.1	392.3	392.9	392.2
57°	384.5	385.6	385.8	386.2	387.9	388.6	388.2	387.3	386.0	386.9	386.3
57.5°	378.2	379.4	379.7	380.0	382.0	382.2	382.3	381.1	380.3	380.8	380.6
58°	372.5	373.4	373.6	373.6	375.6	376.3	375.6	375.3	374.1	374.5	374.8
58.5°	366.3	367.5	367.6	367.6	369.7	370.4	369.1	369.1	368.2	368.4	368.6
59°	359.9	361.5	360.9	361.1	363.8	363.8	363.3	362.9	362.2	362.7	362.4
59.5°	353.8	354.9	354.6	354.9	357.7	357.5	357.2	356.7	355.7	356.5	356.1
60°	348.0	348.6	348.3	348.6	351.4	351.3	351.0	350.9	349.6	350.2	349.9
60.5°	342.1	342.3	342.2	341.9	345.0	345.0	344.3	344.3	342.9	343.8	343.6
61°	335.3	335.8	336.0	335.6	338.6	339.2	338.1	338.5	337.1	337.5	337.2
61.5°	329.0	329.6	329.9	329.1	332.2	332.8	331.8	332.0	330.9	331.5	330.8
62°	322.7	323.3	323.6	323.3	326.0	326.5	326.1	325.8	324.8	325.2	325.1
62.5°	316.4	316.5	317.2	316.5	319.3	319.9	319.5	319.4	318.3	318.7	318.4
63°	309.7	310.0	310.8	310.4	312.9	313.8	313.1	313.0	311.9	312.3	311.8
63.5°	303.4	304.0	304.2	304.0	306.5	307.4	306.8	306.8	305.8	305.8	305.7
64°	296.8	297.4	297.7	297.5	300.3	300.8	300.4	300.0	299.3	299.5	299.0
64.5°	290.6	291.3	291.5	290.9	293.7	293.9	293.6	293.3	292.8	292.8	292.6
65°	284.2	284.7	284.6	284.5	287.4	288.0	287.5	286.9	286.3	286.6	286.3
65.5°	277.5	277.9	278.0	277.5	281.2	280.8	280.6	280.2	279.6	280.2	280.0
66°	270.9	271.3	271.3	270.8	274.4	274.2	273.5	273.5	272.9	273.7	273.4
66.5°	264.0	264.7	264.3	264.3	267.6	267.5	267.2	266.8	266.6	267.1	266.5
67°	257.1	257.7	257.7	257.7	260.8	261.2	260.7	260.5	259.9	260.3	260.2



TEST NUMBER: P869676  
 CATALOG NUMBER: SMX14SLSFS010-2000LM-2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	250.6	251.2	251.1	251.0	254.1	254.4	253.9	253.7	253.4	253.8	253.4
68°	243.8	244.5	244.3	244.5	247.5	248.0	247.3	247.0	247.2	247.1	246.7
68.5°	237.2	237.7	237.7	237.6	241.0	241.4	240.7	240.4	240.7	240.6	239.9
69°	230.6	231.0	230.9	230.7	234.5	234.6	234.0	233.7	233.7	233.6	232.8
69.5°	223.5	224.0	224.2	223.9	227.4	227.8	227.3	226.8	226.9	226.9	226.4
70°	216.6	217.4	217.2	217.0	220.6	221.0	220.2	219.9	220.1	220.2	219.5
70.5°	209.9	210.6	210.0	210.4	214.0	214.4	213.6	213.4	213.6	213.3	213.0
71°	203.2	203.6	203.3	203.4	207.2	207.6	206.5	206.8	206.6	206.6	206.2
71.5°	196.7	197.0	196.6	196.4	200.3	200.5	200.0	199.8	200.1	199.6	199.3
72°	189.9	190.0	189.8	189.6	193.4	193.7	193.2	193.2	193.4	192.9	192.6
72.5°	182.8	183.5	183.2	182.6	186.7	186.9	186.6	186.3	186.5	186.2	185.8
73°	176.1	176.6	176.3	176.1	179.9	180.2	179.8	179.6	179.6	179.4	179.1
73.5°	169.4	169.9	169.4	169.4	173.3	173.7	173.5	173.1	173.0	172.8	172.6
74°	162.5	162.9	162.8	162.7	166.5	166.9	166.8	166.2	166.3	165.9	165.7
74.5°	155.8	156.4	155.9	156.0	159.6	160.1	159.6	159.5	159.4	159.4	159.1
75°	148.9	149.4	149.2	148.9	152.5	153.0	152.9	152.6	152.5	152.5	152.5
75.5°	142.3	142.4	142.3	142.1	145.7	146.3	145.9	145.9	145.8	145.8	145.7
76°	135.6	135.8	135.6	135.7	139.0	139.6	139.0	139.1	139.1	139.0	138.9
76.5°	128.8	129.1	129.2	128.8	132.5	132.7	132.4	132.6	132.5	132.4	132.5
77°	122.1	122.3	122.1	122.1	125.7	126.2	125.9	125.7	125.7	125.8	125.8
77.5°	115.5	116.0	115.7	115.7	118.9	119.4	119.1	119.2	119.1	119.3	119.3
78°	109.0	109.4	109.0	109.2	112.5	112.8	112.6	112.4	112.1	112.7	112.6
78.5°	102.6	102.8	102.5	102.7	106.2	106.2	106.2	105.9	105.6	106.1	106.1
79°	96.2	96.4	96.1	96.6	100.0	100.1	99.8	99.7	99.3	99.8	99.6
79.5°	89.9	90.1	90.0	90.1	93.6	93.6	93.3	93.3	93.0	93.5	93.5
80°	83.7	83.8	83.7	83.6	87.0	87.2	86.7	86.7	86.6	87.1	87.0
80.5°	77.5	77.6	77.5	77.3	80.7	81.1	80.8	80.7	80.5	80.9	81.0
81°	71.5	71.6	71.4	70.9	74.5	74.9	74.7	74.4	74.5	74.8	74.9
81.5°	65.5	65.6	65.4	65.1	68.5	68.7	68.5	68.4	68.4	68.7	68.8
82°	59.8	59.8	59.7	59.3	62.6	62.8	62.6	62.3	62.3	62.7	63.0
82.5°	54.2	54.3	54.0	53.7	57.0	57.2	57.0	56.8	56.7	57.1	57.5
83°	48.5	48.7	48.4	47.9	51.3	51.4	51.4	51.1	51.1	51.5	51.9
83.5°	43.1	43.3	43.0	42.8	45.5	45.9	45.6	45.6	45.6	45.9	46.3
84°	38.1	38.3	38.0	37.5	40.3	40.4	40.4	40.2	40.1	40.5	40.9
84.5°	33.3	33.3	33.2	32.9	35.3	35.7	35.3	35.2	35.1	35.4	35.8
85°	28.7	28.6	28.6	28.1	30.4	30.6	30.5	30.3	30.2	30.5	30.8
85.5°	24.4	24.4	24.4	24.1	25.8	25.9	25.8	25.8	25.7	25.9	26.2
86°	20.4	20.4	20.3	19.9	22.0	22.0	22.0	21.9	21.9	22.2	22.3
86.5°	16.5	16.6	16.5	16.2	18.3	18.3	18.4	18.1	18.2	18.5	18.6
87°	12.8	12.8	12.9	12.5	14.6	14.7	14.8	14.5	14.5	14.7	14.9
87.5°	9.4	9.3	9.3	9.0	11.2	11.2	11.2	11.1	11.0	11.3	11.5
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°	4.4	4.5	4.4	4.2	5.5	5.8	5.5	5.4	5.3	5.6	5.7
89°	2.7	2.7	2.7	2.7	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: P869676  
CATALOG NUMBER: SMX14SLSFS010-2000LM-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: P869676  
 CATALOG NUMBER: SMX14SLSFS010-2000LM-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	759.8	759.8	759.8	759.8	759.8	759.8
0.5°	759.1	760.8	760.2	759.8	759.6	759.4
1°	758.9	760.5	760.8	759.4	759.1	759.4
1.5°	759.2	760.8	760.3	759.9	758.7	759.0
2°	758.7	760.1	759.7	759.4	758.8	758.9
2.5°	758.8	759.7	759.2	758.7	759.2	758.7
3°	758.5	758.7	758.6	758.6	758.8	757.6
3.5°	757.7	758.1	758.6	757.8	758.7	757.2
4°	757.6	757.7	758.5	757.0	757.8	757.1
4.5°	756.9	757.0	757.4	756.8	757.4	756.7
5°	755.7	756.7	756.4	756.5	756.4	756.1
5.5°	755.0	755.9	755.9	756.6	755.8	755.7
6°	753.8	755.1	754.7	755.5	755.1	755.2
6.5°	753.4	754.0	753.9	755.0	753.9	754.7
7°	752.6	753.3	753.0	753.6	753.0	753.8
7.5°	752.5	752.7	752.3	752.5	752.7	753.0
8°	751.0	752.0	750.9	751.6	751.4	751.6
8.5°	749.8	751.0	750.4	750.8	749.9	750.9
9°	748.6	749.6	749.5	749.4	749.1	750.1
9.5°	747.1	748.8	748.0	748.2	748.0	749.1
10°	746.4	747.4	746.4	747.0	747.1	748.1
10.5°	744.9	746.0	745.5	745.8	746.3	747.2
11°	743.6	744.1	744.5	744.3	744.7	746.0
11.5°	742.2	742.5	743.5	742.3	743.6	744.6
12°	740.7	741.2	742.1	741.1	742.2	743.0
12.5°	739.3	739.7	740.5	740.4	741.6	741.5
13°	738.1	738.2	739.0	738.6	739.7	740.1
13.5°	736.4	736.3	736.9	737.3	737.9	738.4
14°	734.8	734.1	734.8	736.3	736.3	736.4
14.5°	732.6	732.2	732.5	734.2	734.1	734.1
15°	731.0	730.6	730.4	732.7	732.0	732.0
15.5°	728.9	728.7	728.7	731.2	730.1	729.7
16°	727.1	726.8	726.5	729.5	727.3	727.6
16.5°	725.0	724.8	724.8	727.4	725.5	725.4
17°	722.9	722.7	722.7	724.8	723.3	723.4
17.5°	720.7	720.8	720.2	722.6	720.8	721.1
18°	718.5	718.6	718.4	720.5	718.9	719.0
18.5°	716.4	716.5	716.1	717.7	716.1	716.6
19°	714.3	714.3	714.0	715.4	713.5	714.1
19.5°	711.6	711.9	712.1	712.8	711.2	711.8
20°	709.3	709.3	710.2	710.2	709.0	709.1
20.5°	706.6	706.8	707.8	707.8	707.0	707.0
21°	704.1	704.0	705.2	705.4	704.5	704.4
21.5°	701.5	701.4	703.0	702.7	702.4	701.7
22°	699.1	699.1	700.7	699.9	699.6	699.3

TEST NUMBER: P869676  
 CATALOG NUMBER: SMX14SLSFS010-2000LM-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	695.9	696.1	697.7	697.0	696.8	696.7
23°	693.4	693.4	694.5	693.9	694.0	694.1
23.5°	691.0	690.5	692.3	691.2	691.3	691.6
24°	688.0	687.4	689.5	687.8	687.9	689.0
24.5°	685.0	684.5	685.6	685.4	685.0	685.7
25°	681.6	681.6	682.6	681.8	681.6	682.1
25.5°	678.5	678.5	679.4	678.8	678.5	679.2
26°	674.9	675.4	675.7	675.3	675.2	675.5
26.5°	671.8	671.9	672.6	671.8	671.8	672.9
27°	668.7	668.7	669.6	668.7	668.7	669.7
27.5°	666.0	665.4	666.4	665.4	665.4	666.4
28°	662.4	661.7	663.1	662.0	661.8	662.9
28.5°	659.0	658.1	659.8	659.1	658.9	659.4
29°	655.4	654.9	656.5	655.3	655.1	655.8
29.5°	651.7	651.0	653.3	651.9	651.6	652.4
30°	648.2	647.6	649.7	648.2	647.6	648.8
30.5°	644.4	644.5	645.9	644.1	643.9	645.2
31°	640.5	640.5	641.5	640.7	640.3	641.9
31.5°	636.9	636.8	637.4	637.1	636.6	638.0
32°	633.3	633.4	633.4	633.1	632.5	633.9
32.5°	629.8	629.2	629.9	629.9	629.0	630.2
33°	625.9	625.9	625.8	625.8	625.0	625.7
33.5°	622.0	621.8	622.3	621.7	621.4	622.1
34°	617.8	617.7	617.8	618.1	617.0	618.2
34.5°	614.1	613.3	613.9	614.3	613.0	614.3
35°	610.3	608.9	609.4	610.2	609.1	609.8
35.5°	606.1	604.6	605.3	606.0	605.1	606.1
36°	601.7	600.7	601.1	601.6	600.7	601.8
36.5°	597.5	596.5	596.7	597.1	596.8	597.3
37°	593.1	592.3	592.5	592.8	592.6	592.6
37.5°	589.0	587.5	588.0	588.8	588.3	588.4
38°	584.8	582.9	583.7	584.2	584.3	584.0
38.5°	580.6	578.4	579.6	579.3	579.6	579.6
39°	576.2	574.3	575.1	575.1	575.0	575.1
39.5°	571.6	569.8	570.8	570.5	570.5	570.6
40°	566.9	565.5	566.2	566.0	565.7	566.0
40.5°	562.0	561.1	561.4	561.2	561.4	561.6
41°	557.4	557.2	557.1	557.0	556.8	556.8
41.5°	552.6	552.1	552.5	552.5	552.8	552.5
42°	547.9	547.3	547.6	547.8	548.3	547.5
42.5°	543.1	542.2	543.0	542.9	542.7	542.4
43°	538.3	537.4	537.7	537.9	537.6	537.6
43.5°	533.9	532.3	533.4	532.8	532.7	532.5
44°	528.7	527.1	528.6	527.7	527.6	527.5
44.5°	524.0	522.6	523.3	522.8	523.4	522.7

TEST NUMBER: P869676  
 CATALOG NUMBER: SMX14SLSFS010-2000LM-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	518.9	517.4	518.2	517.9	518.0	517.4
45.5°	514.1	512.3	513.1	512.7	512.4	512.0
46°	508.8	507.3	507.9	507.8	507.2	507.2
46.5°	503.5	501.9	503.2	502.5	501.9	502.6
47°	498.3	496.4	498.3	497.5	497.1	497.6
47.5°	493.0	491.1	493.0	492.1	492.4	492.7
48°	487.7	485.9	487.5	486.7	487.4	487.1
48.5°	482.7	480.9	482.1	481.4	482.0	481.6
49°	476.9	475.6	476.7	475.9	475.7	476.2
49.5°	471.6	470.3	471.4	470.5	470.2	470.9
50°	466.4	464.9	465.8	465.1	465.4	465.7
50.5°	460.9	459.4	460.2	459.6	459.6	459.6
51°	455.7	453.8	454.7	454.1	453.8	454.2
51.5°	450.0	448.0	448.8	448.5	447.9	448.6
52°	444.5	442.5	443.4	443.0	442.3	443.1
52.5°	438.5	436.5	437.8	437.7	436.8	437.4
53°	433.1	431.2	431.7	431.8	431.2	431.7
53.5°	427.5	425.6	426.2	426.0	425.4	425.8
54°	421.8	419.8	419.9	420.0	420.0	419.9
54.5°	416.0	414.0	414.5	413.7	413.7	413.8
55°	410.1	408.6	408.6	407.7	408.0	408.4
55.5°	404.3	402.7	402.9	401.9	402.2	402.8
56°	399.0	396.7	396.9	395.8	396.4	396.7
56.5°	392.8	390.7	390.9	390.2	390.6	390.9
57°	386.7	384.4	384.9	384.1	384.4	384.5
57.5°	380.7	378.6	378.9	378.2	378.2	378.2
58°	374.8	372.4	372.5	372.8	372.0	372.5
58.5°	368.6	366.4	366.4	366.6	366.4	366.3
59°	362.6	360.1	360.1	360.5	360.4	359.9
59.5°	356.0	353.9	353.8	353.9	354.2	353.8
60°	349.6	347.9	347.7	347.7	347.7	348.0
60.5°	343.7	341.6	341.5	341.3	341.1	342.1
61°	337.8	335.2	335.5	334.7	334.8	335.3
61.5°	331.4	328.8	329.4	328.3	328.9	329.0
62°	325.0	322.8	323.0	321.9	322.1	322.7
62.5°	318.6	316.3	316.5	315.8	315.6	316.4
63°	312.2	309.6	309.9	309.6	309.2	309.7
63.5°	305.6	303.2	303.7	302.8	302.6	303.4
64°	299.6	296.6	297.0	296.4	296.3	296.8
64.5°	292.6	290.2	290.7	290.1	289.9	290.6
65°	286.5	283.5	284.0	283.5	283.3	284.2
65.5°	279.8	277.1	277.3	276.8	277.0	277.5
66°	273.0	270.2	270.3	270.4	270.4	270.9
66.5°	266.4	263.6	263.8	263.7	264.2	264.0
67°	260.2	256.7	257.3	256.8	257.8	257.1

TEST NUMBER: P869676  
 CATALOG NUMBER: SMX14SLSFS010-2000LM-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	253.3	250.2	251.1	250.4	251.1	250.6
68°	246.7	243.5	244.2	243.5	243.7	243.8
68.5°	239.9	237.4	237.5	237.0	237.1	237.2
69°	233.1	230.7	230.9	230.7	230.7	230.6
69.5°	226.4	223.8	224.2	223.8	223.8	223.5
70°	219.7	216.8	217.2	216.9	217.0	216.6
70.5°	213.4	210.2	210.5	210.4	210.5	209.9
71°	206.8	202.9	203.4	203.5	203.5	203.2
71.5°	199.8	196.5	196.9	196.5	196.5	196.7
72°	193.0	189.8	189.8	189.7	189.5	189.9
72.5°	186.3	183.0	183.1	183.0	182.4	182.8
73°	179.8	176.2	176.8	176.3	175.8	176.1
73.5°	173.1	169.4	170.1	169.5	169.3	169.4
74°	166.6	162.7	163.1	162.4	162.5	162.5
74.5°	159.6	156.0	156.2	155.8	155.5	155.8
75°	152.9	149.1	149.3	148.9	148.6	148.9
75.5°	146.0	142.5	142.6	142.0	141.8	142.3
76°	139.4	135.7	135.8	135.4	135.3	135.6
76.5°	132.8	128.8	129.1	128.9	128.7	128.8
77°	126.1	122.3	122.3	122.0	122.0	122.1
77.5°	119.4	116.1	115.7	115.6	115.7	115.5
78°	112.8	109.5	109.0	109.1	109.1	109.0
78.5°	106.2	103.1	102.6	102.6	102.7	102.6
79°	99.9	96.8	96.2	96.3	96.7	96.2
79.5°	93.6	90.1	90.1	90.0	90.3	89.9
80°	87.2	83.8	83.8	83.6	84.0	83.7
80.5°	81.1	77.7	77.7	77.7	77.6	77.5
81°	75.0	71.6	71.7	71.7	71.5	71.5
81.5°	68.8	65.6	65.9	66.0	65.5	65.5
82°	63.0	59.9	60.0	60.1	59.7	59.8
82.5°	57.5	54.3	54.5	54.3	54.0	54.2
83°	51.9	48.9	49.0	48.9	48.4	48.5
83.5°	46.3	43.6	43.6	43.5	43.0	43.1
84°	40.9	38.4	38.4	38.3	38.1	38.1
84.5°	35.8	33.4	33.5	33.4	33.3	33.3
85°	31.0	28.8	29.0	28.7	28.7	28.7
85.5°	26.2	24.6	24.7	24.6	24.6	24.4
86°	22.5	20.5	20.6	20.6	20.5	20.4
86.5°	18.7	16.6	16.9	16.7	16.6	16.5
87°	15.1	13.0	13.2	13.1	13.0	12.8
87.5°	11.6	9.4	9.6	9.6	9.5	9.4
88°	8.5	6.6	6.8	6.7	6.7	6.5
88.5°	5.8	4.4	4.5	4.5	4.5	4.4
89°	3.6	2.6	2.7	2.7	2.7	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

  
NVLAP Lab Code: 200050-0



TEST NUMBER: P869676  
CATALOG NUMBER: SMX14SLSFS010-2000LM-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)