

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: P869666

Luminaire Tested: **SMX14SLSFS010-1300LM-2700K**

Issue Date: 8/29/2024

Tested By:

Approved By:



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**Test Information**

Test Method: LM-79-08  
 Report Number: P869666  
 Test Lab:  
 Issue Date: 8/29/2024  
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
 Product Line: HALO  
 Catalog Number: SMX14SLSFS010-1300LM-2700K  
 Description: 14IN SQUARE, 90CRI, DIMMING TO 10%, DAMP LOCATION  
 Light Source: SELECTABLE CCT 90CRI / 2700K CCT  
 Ballast/Driver: -

**Summary**

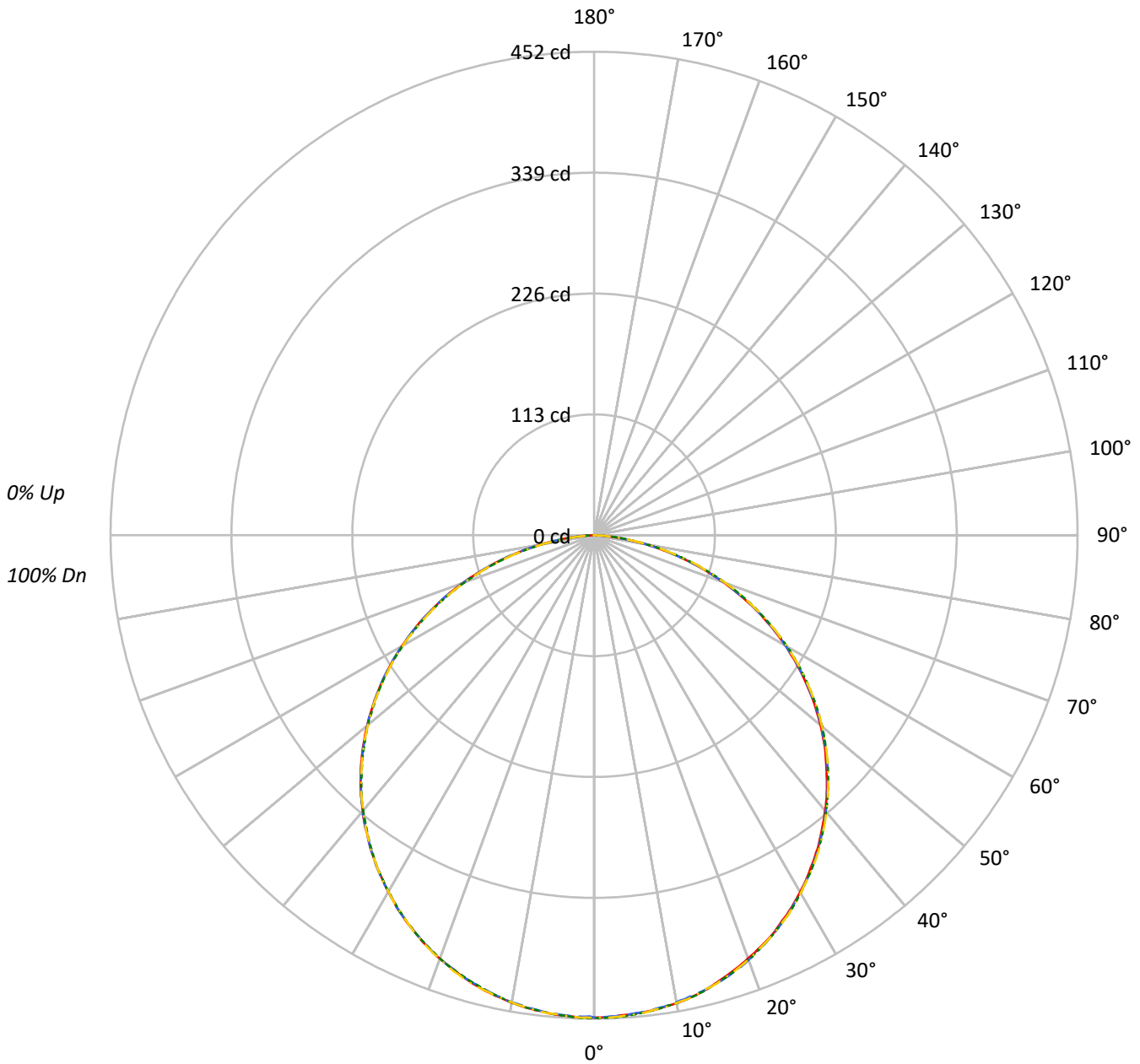
Lumens per Lamp: N/A  
 Luminaire Lumens: 1317.9 lumens  
 Efficiency: N/A  
 Efficacy: 91.5 lumens/watt  
 Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39  
 Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')  
 CIE Type: Direct

Input Watts (W): 14.4  
 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°	3565	3565	3565	3565
5°	3561	3566	3565	3564
10°	3564	3564	3562	3561
15°	3555	3559	3556	3549
20°	3541	3549	3544	3542
25°	3531	3537	3528	3528
30°	3515	3526	3513	3508
35°	3493	3507	3496	3488
40°	3467	3482	3473	3464
45°	3433	3457	3447	3433
50°	3399	3423	3405	3394
55°	3340	3366	3354	3342
60°	3266	3297	3280	3264
65°	3155	3191	3179	3147
70°	2972	3027	3018	2974
75°	2700	2764	2767	2703
80°	2262	2353	2339	2262
85°	1542	1632	1623	1551

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	42.7	3.2
10°-20°	122.6	9.3
20°-30°	186.8	14.2
30°-40°	226.8	17.2
40°-50°	237.7	18.0
50°-60°	217.3	16.5
60°-70°	167.3	12.7
70°-80°	94.6	7.2
80°-90°	22.0	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>352.1</b>	<b>26.7</b>
<b>0°-40°</b>	<b>578.9</b>	<b>43.9</b>
<b>0°-60°</b>	<b>1033.9</b>	<b>78.5</b>
<b>0°-90°</b>	<b>1317.9</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>1317.9</b>	<b>100.0</b>

**CANDELA DISTRIBUTION:**

	0°	90°	180°	270°	360°	Flux
0°	451	451	451	451	451	
5°	449	450	449	449	449	43
15°	434	435	435	434	434	123
25°	405	406	404	405	405	187
35°	362	364	362	362	362	227
45°	307	309	308	307	307	237
55°	242	244	243	242	242	217
65°	169	171	170	168	169	166
75°	88	90	91	88	88	93
85°	17	18	18	17	17	21
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°	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0	451.0
0.5°	450.8	451.6	450.4	450.9	451.4	451.1	451.1	451.1	450.9	451.4	449.9
1°	450.8	451.7	450.6	450.7	451.4	451.0	450.9	450.8	451.0	451.0	450.0
1.5°	450.6	451.3	450.4	450.5	451.3	450.8	451.2	450.5	450.8	451.0	450.1
2°	450.5	451.1	450.2	450.5	451.1	450.6	451.0	450.4	450.9	451.1	450.0
2.5°	450.4	451.1	450.2	450.1	451.2	450.8	450.8	450.4	450.4	451.0	449.9
3°	449.7	450.9	449.7	450.0	450.8	450.5	450.6	450.3	450.2	450.6	449.8
3.5°	449.5	450.5	449.8	449.8	450.6	450.1	450.2	450.1	450.0	450.5	449.6
4°	449.5	450.1	449.3	449.3	450.5	450.0	450.0	450.0	449.8	450.1	449.5
4.5°	449.2	449.9	449.0	449.1	449.9	449.7	449.7	449.5	449.7	450.4	448.9
5°	448.8	449.6	448.4	449.0	449.5	449.4	449.6	449.1	449.3	449.7	448.8
5.5°	448.6	449.1	448.3	448.6	449.1	449.1	449.4	448.5	448.8	449.2	448.4
6°	448.3	448.7	447.9	448.2	448.8	448.3	448.8	448.2	448.3	448.6	448.1
6.5°	448.0	448.6	447.4	447.7	448.3	447.6	448.3	447.9	447.7	448.2	447.4
7°	447.5	448.0	447.0	447.3	447.7	447.4	447.4	447.2	447.5	447.5	446.8
7.5°	447.0	447.3	446.2	446.6	447.2	446.8	447.0	446.7	446.9	447.2	446.3
8°	446.2	446.7	445.8	446.1	446.5	446.1	446.5	446.1	446.4	446.7	445.6
8.5°	445.8	446.2	445.6	445.4	445.9	445.8	446.0	445.2	445.8	445.8	444.9
9°	445.3	445.7	444.8	444.9	445.3	445.0	445.6	444.6	445.1	445.3	444.3
9.5°	444.7	444.9	444.1	444.2	444.7	444.1	444.7	444.0	444.3	444.9	443.8
10°	444.1	443.8	443.3	443.6	444.1	443.8	444.1	443.4	443.8	444.1	443.4
10.5°	443.6	443.3	442.4	442.8	443.8	443.0	443.3	442.6	442.8	443.2	442.5
11°	442.8	442.3	441.9	442.2	442.9	442.3	442.8	441.7	442.1	442.7	441.5
11.5°	442.0	441.7	440.9	441.2	442.1	441.8	442.3	440.9	441.1	441.5	440.8
12°	441.1	441.1	440.1	440.7	441.2	440.8	441.0	439.9	440.5	440.5	440.0
12.5°	440.2	440.4	439.6	439.7	440.5	440.2	440.1	439.1	439.6	439.6	438.9
13°	439.3	439.6	438.7	438.8	439.4	439.2	439.2	438.3	438.5	438.7	437.9
13.5°	438.3	438.7	438.0	437.5	438.6	437.9	437.7	437.2	437.8	438.0	437.0
14°	437.2	437.6	436.9	436.6	437.4	437.0	436.8	436.0	436.9	436.9	435.8
14.5°	435.8	436.4	436.0	435.5	436.1	436.0	436.1	435.0	435.4	436.0	434.5
15°	434.5	435.5	435.2	434.7	435.0	435.2	435.2	433.5	434.6	435.0	433.8
15.5°	433.2	434.4	434.3	433.2	433.9	433.9	434.0	432.5	433.2	433.8	432.6
16°	431.9	432.8	433.0	432.0	432.5	432.5	432.5	431.8	431.9	432.4	431.6
16.5°	430.6	431.4	431.8	431.0	431.6	431.4	431.2	430.6	430.7	431.1	430.6
17°	429.4	430.1	430.7	429.5	430.2	430.0	430.1	429.5	429.5	429.7	429.4
17.5°	428.0	428.7	429.5	427.9	428.8	428.7	428.9	428.1	427.9	428.6	428.1
18°	426.8	427.1	428.3	426.9	427.5	427.5	427.7	426.7	426.5	427.0	426.6
18.5°	425.4	425.9	427.1	425.6	426.4	426.0	426.2	425.7	425.2	425.9	425.2
19°	423.9	424.3	425.5	424.2	424.7	424.9	425.0	424.4	423.9	424.4	424.1
19.5°	422.5	422.8	424.1	422.5	423.3	423.6	423.5	422.8	422.9	423.1	422.9
20°	421.0	421.5	422.4	421.2	422.0	422.2	422.1	421.5	421.3	421.6	421.3
20.5°	419.7	420.3	421.1	419.6	420.8	421.0	420.7	420.0	420.0	420.0	420.0
21°	418.2	418.5	419.7	418.4	419.3	419.2	419.2	418.7	418.4	418.5	418.3
21.5°	416.5	417.0	418.0	416.6	417.6	417.4	417.3	417.1	416.6	417.0	416.6
22°	415.1	415.5	415.7	415.2	416.0	415.6	415.8	415.8	415.2	415.2	414.9

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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°	413.6	414.0	414.6	413.7	414.4	413.9	414.3	414.0	413.5	413.5	413.1
23°	412.0	412.4	412.9	411.9	412.9	412.3	412.7	412.1	412.0	411.7	411.2
23.5°	410.6	410.8	411.2	410.3	411.1	410.8	411.0	410.4	409.9	410.0	409.9
24°	409.0	409.1	409.3	408.7	409.4	409.3	409.4	408.8	408.3	408.7	408.1
24.5°	407.1	407.3	407.7	406.9	407.7	407.6	407.9	407.2	406.5	407.2	406.6
25°	404.9	405.7	406.0	404.9	405.6	405.8	406.0	405.4	404.5	405.1	404.7
25.5°	403.2	404.0	404.0	403.1	404.0	404.0	404.0	403.3	403.1	403.1	403.1
26°	401.0	401.9	402.0	401.0	402.2	402.2	402.3	401.5	401.2	401.7	401.3
26.5°	399.4	400.1	400.3	399.3	400.6	400.2	400.4	399.3	399.1	399.5	399.1
27°	397.6	398.3	398.1	397.7	398.8	398.3	398.8	397.7	397.2	397.5	397.5
27.5°	395.6	396.2	396.2	395.7	396.6	396.2	396.8	395.8	395.5	395.7	395.3
28°	393.5	394.0	394.1	393.7	394.7	394.5	394.5	393.8	393.3	393.9	393.5
28.5°	391.5	392.0	392.0	392.1	392.7	392.4	392.5	392.0	391.1	392.0	391.5
29°	389.3	390.0	390.2	389.9	390.4	390.2	390.4	389.9	388.9	389.9	389.0
29.5°	387.3	387.9	388.0	388.0	388.3	388.1	388.5	387.6	387.0	388.1	386.8
30°	385.2	385.7	385.9	385.8	386.3	386.2	386.4	385.7	384.9	385.5	384.6
30.5°	383.0	383.6	383.9	383.9	384.1	384.1	384.1	383.6	382.7	383.4	382.6
31°	381.1	381.3	381.4	381.9	381.8	382.0	381.7	381.4	380.4	381.3	380.6
31.5°	378.7	379.3	379.4	379.6	379.5	379.7	379.6	379.0	378.1	378.9	378.4
32°	376.3	377.1	377.2	377.2	377.1	377.5	377.5	376.7	375.9	376.6	376.2
32.5°	374.1	374.9	375.1	375.3	375.3	375.3	375.5	374.8	374.0	374.7	373.8
33°	371.4	372.5	372.5	372.9	373.0	372.9	373.1	372.4	371.7	372.5	371.7
33.5°	369.3	370.3	370.5	370.6	370.7	370.3	370.9	370.0	369.4	370.3	369.3
34°	367.0	368.1	368.0	368.3	368.3	368.1	368.7	367.4	366.9	367.5	366.9
34.5°	364.6	365.3	365.6	365.9	366.0	365.8	366.5	364.9	364.6	365.1	364.8
35°	362.0	362.4	363.0	363.3	363.5	363.5	364.2	362.9	362.3	362.6	362.2
35.5°	359.8	360.1	360.5	360.6	361.2	361.3	361.7	360.3	360.0	360.0	359.7
36°	357.3	357.7	357.8	358.3	358.6	358.5	359.2	357.7	357.3	357.6	357.3
36.5°	354.6	355.5	355.4	355.8	356.2	355.8	356.7	355.2	354.7	354.9	354.4
37°	351.8	352.7	353.0	353.3	353.6	353.5	354.1	352.3	351.9	352.5	352.1
37.5°	349.3	350.4	350.6	350.8	350.8	350.8	351.3	350.1	349.4	349.9	349.6
38°	346.7	347.9	347.9	348.0	348.3	348.1	348.5	347.6	347.2	347.5	347.2
38.5°	344.1	345.0	345.2	345.2	345.6	345.3	346.0	344.9	344.6	344.7	344.7
39°	341.4	342.5	342.4	342.6	343.0	342.7	343.3	342.2	342.0	342.0	341.8
39.5°	338.7	339.7	339.7	339.6	340.3	340.5	340.4	339.6	339.5	339.3	339.1
40°	336.0	336.7	337.0	337.0	337.5	337.9	337.8	337.2	336.6	336.7	336.5
40.5°	333.4	334.2	334.3	334.1	334.7	335.2	335.3	334.5	333.8	334.0	333.7
41°	330.5	331.5	331.6	331.4	332.2	332.4	332.4	331.7	330.9	331.2	331.0
41.5°	328.0	328.6	328.9	328.4	329.4	329.9	329.8	328.9	328.4	328.5	328.4
42°	325.0	325.7	326.0	325.7	326.3	326.9	326.8	326.2	325.9	325.5	325.5
42.5°	322.0	322.8	323.3	322.8	323.6	324.1	323.8	323.4	322.9	322.5	322.6
43°	319.1	319.9	320.5	319.9	320.9	321.1	321.0	320.4	320.0	319.6	319.8
43.5°	316.1	317.1	317.4	317.0	318.0	318.0	318.2	317.5	317.1	316.7	316.8
44°	313.1	314.2	314.5	314.2	315.0	315.1	315.2	314.7	314.1	313.8	313.9
44.5°	310.3	311.1	311.5	311.1	312.1	312.3	312.3	311.7	311.2	310.9	311.0

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	307.1	308.2	308.7	308.2	309.3	309.4	309.2	308.8	308.4	308.1	307.8
45.5°	303.9	305.1	305.8	305.2	306.4	306.5	306.1	305.9	305.3	305.1	304.7
46°	301.1	302.4	302.6	302.4	303.3	303.3	303.2	302.8	302.1	301.9	301.8
46.5°	298.4	299.3	299.4	299.3	300.2	300.2	300.3	299.6	299.1	299.2	298.6
47°	295.4	296.1	296.3	296.2	297.0	297.1	297.2	296.4	296.1	295.9	295.6
47.5°	292.5	293.3	293.1	293.0	293.9	294.2	294.0	293.3	293.0	292.7	292.3
48°	289.1	290.0	289.8	289.9	290.8	291.2	290.9	290.3	289.7	289.8	289.1
48.5°	285.9	286.8	286.8	286.6	287.8	287.8	287.8	287.2	286.4	286.6	286.2
49°	282.7	283.6	283.5	283.5	284.8	284.7	284.5	284.0	283.5	283.5	283.0
49.5°	279.5	280.5	280.4	280.2	281.6	281.3	281.4	281.0	280.2	280.5	279.8
50°	276.4	277.2	277.2	277.0	278.4	278.4	278.2	277.6	276.9	277.1	276.7
50.5°	272.8	274.0	273.9	273.7	275.0	275.0	274.9	274.4	273.7	273.8	273.5
51°	269.6	270.5	270.5	270.4	271.6	271.6	271.8	271.0	270.4	270.6	270.4
51.5°	266.3	267.3	267.3	267.2	268.3	268.2	268.5	267.7	267.1	267.3	266.8
52°	263.1	264.1	263.9	263.9	264.9	265.1	265.1	264.3	263.5	263.9	263.5
52.5°	259.6	260.5	260.5	260.5	261.7	261.9	261.7	261.0	260.3	260.8	260.1
53°	256.3	257.2	257.1	256.9	258.2	258.4	258.2	257.6	257.2	257.4	256.9
53.5°	252.8	253.7	253.6	253.5	254.7	254.8	254.6	254.4	253.7	254.2	253.5
54°	249.3	250.0	250.1	250.0	251.3	251.4	251.3	251.0	250.2	250.6	250.2
54.5°	245.6	246.5	246.8	246.7	247.9	247.9	247.8	247.3	246.7	247.0	246.9
55°	242.4	243.2	242.9	243.3	244.3	244.5	244.5	244.0	243.4	243.6	243.5
55.5°	239.1	239.7	239.6	239.7	240.8	241.1	240.7	240.2	239.9	240.4	240.0
56°	235.5	236.3	236.0	236.3	237.3	237.7	237.7	237.0	236.5	236.8	236.5
56.5°	232.0	232.7	232.6	232.8	233.8	234.2	234.1	233.3	232.9	233.2	232.8
57°	228.3	228.9	229.0	229.3	230.3	230.7	230.5	229.9	229.2	229.7	229.3
57.5°	224.5	225.2	225.4	225.6	226.8	226.9	226.9	226.2	225.7	226.1	225.9
58°	221.1	221.6	221.8	221.8	223.0	223.4	223.0	222.8	222.1	222.3	222.5
58.5°	217.4	218.2	218.2	218.2	219.4	219.9	219.1	219.1	218.5	218.7	218.8
59°	213.7	214.6	214.2	214.3	216.0	216.0	215.7	215.5	215.0	215.3	215.1
59.5°	210.0	210.7	210.5	210.7	212.4	212.2	212.0	211.7	211.1	211.6	211.4
60°	206.6	207.0	206.7	206.9	208.6	208.5	208.4	208.3	207.5	207.9	207.7
60.5°	203.1	203.2	203.1	203.0	204.8	204.8	204.4	204.4	203.5	204.1	204.0
61°	199.0	199.3	199.4	199.2	201.0	201.3	200.7	201.0	200.1	200.3	200.2
61.5°	195.3	195.7	195.8	195.4	197.2	197.6	197.0	197.1	196.5	196.8	196.4
62°	191.6	191.9	192.1	191.9	193.5	193.8	193.6	193.4	192.8	193.0	193.0
62.5°	187.8	187.9	188.3	187.9	189.5	189.9	189.7	189.6	188.9	189.2	189.0
63°	183.9	184.0	184.5	184.3	185.7	186.3	185.9	185.8	185.2	185.4	185.1
63.5°	180.1	180.4	180.6	180.4	182.0	182.5	182.1	182.1	181.5	181.6	181.4
64°	176.2	176.6	176.7	176.6	178.2	178.6	178.3	178.1	177.7	177.8	177.5
64.5°	172.5	172.9	173.0	172.7	174.4	174.5	174.3	174.1	173.8	173.8	173.7
65°	168.7	169.0	169.0	168.9	170.6	170.9	170.7	170.3	170.0	170.1	170.0
65.5°	164.8	165.0	165.0	164.8	166.9	166.7	166.6	166.3	166.0	166.3	166.2
66°	160.8	161.0	161.0	160.8	162.9	162.8	162.3	162.3	162.0	162.4	162.3
66.5°	156.7	157.1	156.9	156.9	158.9	158.8	158.6	158.4	158.2	158.6	158.2
67°	152.6	152.9	153.0	152.9	154.8	155.0	154.7	154.6	154.3	154.5	154.5



TEST NUMBER: P869666  
 CATALOG NUMBER: SMX14SLSFS010-1300LM-2700K

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	148.8	149.1	149.1	149.0	150.8	151.0	150.7	150.6	150.4	150.6	150.4
68°	144.7	145.1	145.0	145.1	146.9	147.2	146.8	146.7	146.8	146.7	146.4
68.5°	140.8	141.1	141.1	141.0	143.1	143.3	142.9	142.7	142.9	142.8	142.4
69°	136.9	137.2	137.1	136.9	139.2	139.3	138.9	138.7	138.7	138.7	138.2
69.5°	132.7	133.0	133.1	132.9	135.0	135.2	134.9	134.6	134.7	134.7	134.4
70°	128.6	129.1	128.9	128.8	131.0	131.2	130.7	130.5	130.6	130.7	130.3
70.5°	124.6	125.0	124.7	124.9	127.0	127.3	126.8	126.7	126.8	126.6	126.4
71°	120.6	120.9	120.7	120.7	123.0	123.2	122.6	122.8	122.7	122.7	122.4
71.5°	116.7	116.9	116.7	116.6	118.9	119.0	118.7	118.6	118.8	118.5	118.3
72°	112.7	112.8	112.6	112.5	114.8	115.0	114.7	114.7	114.8	114.5	114.3
72.5°	108.5	108.9	108.8	108.4	110.8	111.0	110.8	110.6	110.7	110.5	110.3
73°	104.6	104.8	104.7	104.6	106.8	107.0	106.7	106.6	106.6	106.5	106.3
73.5°	100.6	100.8	100.6	100.6	102.9	103.1	103.0	102.8	102.7	102.6	102.5
74°	96.5	96.7	96.6	96.6	98.8	99.1	99.0	98.6	98.7	98.5	98.4
74.5°	92.5	92.9	92.5	92.6	94.8	95.1	94.7	94.7	94.6	94.6	94.4
75°	88.4	88.7	88.6	88.4	90.5	90.8	90.8	90.6	90.6	90.6	90.5
75.5°	84.5	84.5	84.5	84.4	86.5	86.8	86.6	86.6	86.6	86.6	86.5
76°	80.5	80.6	80.5	80.5	82.5	82.9	82.5	82.6	82.6	82.5	82.5
76.5°	76.4	76.6	76.7	76.4	78.6	78.8	78.6	78.7	78.6	78.6	78.6
77°	72.5	72.6	72.5	72.5	74.6	74.9	74.8	74.6	74.6	74.7	74.7
77.5°	68.6	68.9	68.7	68.7	70.6	70.9	70.7	70.8	70.7	70.8	70.8
78°	64.7	64.9	64.7	64.8	66.8	66.9	66.8	66.7	66.6	66.9	66.8
78.5°	60.9	61.0	60.9	61.0	63.1	63.1	63.1	62.8	62.7	63.0	63.0
79°	57.1	57.2	57.1	57.3	59.4	59.4	59.2	59.2	59.0	59.2	59.1
79.5°	53.3	53.5	53.4	53.5	55.6	55.5	55.4	55.4	55.2	55.5	55.5
80°	49.7	49.7	49.7	49.6	51.7	51.8	51.5	51.5	51.4	51.7	51.7
80.5°	46.0	46.0	46.0	45.9	47.9	48.2	47.9	47.9	47.8	48.0	48.1
81°	42.4	42.5	42.4	42.1	44.2	44.5	44.4	44.2	44.2	44.4	44.5
81.5°	38.9	39.0	38.8	38.7	40.6	40.8	40.6	40.6	40.6	40.8	40.9
82°	35.5	35.5	35.5	35.2	37.2	37.3	37.2	37.0	37.0	37.2	37.4
82.5°	32.2	32.2	32.0	31.9	33.8	34.0	33.8	33.7	33.7	33.9	34.1
83°	28.8	28.9	28.7	28.4	30.5	30.5	30.5	30.4	30.4	30.6	30.8
83.5°	25.6	25.7	25.5	25.4	27.0	27.3	27.1	27.1	27.1	27.3	27.5
84°	22.6	22.7	22.5	22.3	23.9	24.0	24.0	23.9	23.8	24.1	24.3
84.5°	19.8	19.8	19.7	19.5	21.0	21.2	21.0	20.9	20.9	21.0	21.2
85°	17.0	17.0	17.0	16.7	18.0	18.2	18.1	18.0	17.9	18.1	18.3
85.5°	14.5	14.5	14.5	14.3	15.3	15.3	15.3	15.3	15.2	15.3	15.6
86°	12.1	12.1	12.0	11.8	13.0	13.0	13.0	13.0	13.0	13.2	13.3
86.5°	9.8	9.8	9.8	9.6	10.8	10.8	10.9	10.7	10.8	11.0	11.0
87°	7.6	7.6	7.6	7.4	8.7	8.7	8.8	8.6	8.6	8.7	8.8
87.5°	5.6	5.5	5.5	5.3	6.6	6.6	6.6	6.6	6.5	6.7	6.8
88°	3.9	3.9	3.9	3.8	4.8	4.8	4.8	4.8	4.8	4.9	5.0
88.5°	2.6	2.6	2.6	2.5	3.3	3.4	3.3	3.2	3.1	3.3	3.4
89°	1.6	1.6	1.6	1.6	1.9	2.0	1.9	1.9	1.8	2.0	2.0
89.5°	0.9	0.9	0.9	0.8	1.0	1.0	1.0	0.8	0.8	0.9	1.0

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



TEST NUMBER: P869666  
CATALOG NUMBER: SMX14SLSFS010-1300LM-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: P869666  
 CATALOG NUMBER: SMX14SLSFS010-1300LM-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
0°	451.0	451.0	451.0	451.0	451.0	451.0
0.5°	450.6	451.7	451.3	451.0	450.9	450.8
1°	450.5	451.5	451.7	450.8	450.6	450.8
1.5°	450.7	451.7	451.3	451.1	450.4	450.6
2°	450.4	451.2	451.0	450.8	450.5	450.5
2.5°	450.5	451.0	450.7	450.4	450.7	450.4
3°	450.2	450.4	450.3	450.3	450.5	449.7
3.5°	449.8	450.0	450.3	449.9	450.4	449.5
4°	449.7	449.8	450.2	449.4	449.9	449.5
4.5°	449.3	449.4	449.6	449.2	449.6	449.2
5°	448.6	449.2	449.0	449.1	449.0	448.8
5.5°	448.2	448.7	448.7	449.1	448.7	448.6
6°	447.5	448.2	448.0	448.5	448.3	448.3
6.5°	447.3	447.6	447.5	448.2	447.5	448.0
7°	446.8	447.2	447.0	447.4	447.0	447.5
7.5°	446.7	446.8	446.6	446.7	446.8	447.0
8°	445.8	446.4	445.8	446.2	446.0	446.2
8.5°	445.1	445.8	445.5	445.7	445.2	445.8
9°	444.4	445.0	444.9	444.9	444.7	445.3
9.5°	443.5	444.5	444.0	444.2	444.0	444.7
10°	443.1	443.7	443.1	443.4	443.5	444.1
10.5°	442.2	442.8	442.5	442.7	443.1	443.6
11°	441.4	441.7	442.0	441.8	442.1	442.8
11.5°	440.6	440.7	441.4	440.6	441.4	442.0
12°	439.7	440.0	440.5	440.0	440.6	441.1
12.5°	438.9	439.1	439.6	439.5	440.2	440.2
13°	438.2	438.2	438.7	438.4	439.1	439.3
13.5°	437.2	437.1	437.4	437.7	438.0	438.3
14°	436.2	435.8	436.2	437.1	437.1	437.2
14.5°	434.9	434.7	434.8	435.9	435.8	435.8
15°	433.9	433.7	433.6	435.0	434.5	434.5
15.5°	432.7	432.6	432.6	434.1	433.4	433.2
16°	431.6	431.5	431.2	433.0	431.8	431.9
16.5°	430.4	430.2	430.2	431.8	430.7	430.6
17°	429.1	429.0	429.0	430.3	429.4	429.4
17.5°	427.8	427.9	427.5	428.9	427.9	428.0
18°	426.5	426.6	426.5	427.7	426.8	426.8
18.5°	425.3	425.3	425.1	426.1	425.1	425.4
19°	424.1	424.1	423.8	424.7	423.5	423.9
19.5°	422.4	422.6	422.7	423.2	422.2	422.5
20°	421.1	421.1	421.6	421.6	420.9	421.0
20.5°	419.4	419.6	420.2	420.2	419.7	419.7
21°	418.0	417.9	418.6	418.8	418.2	418.2
21.5°	416.4	416.4	417.3	417.1	417.0	416.5
22°	415.0	415.0	416.0	415.5	415.3	415.1

TEST NUMBER: P869666  
 CATALOG NUMBER: SMX14SLSFS010-1300LM-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	413.1	413.2	414.2	413.8	413.7	413.6
23°	411.6	411.6	412.2	411.9	412.0	412.0
23.5°	410.2	409.9	411.0	410.3	410.4	410.6
24°	408.4	408.1	409.3	408.3	408.4	409.0
24.5°	406.6	406.3	407.0	406.9	406.6	407.1
25°	404.6	404.6	405.2	404.7	404.6	404.9
25.5°	402.8	402.8	403.3	403.0	402.8	403.2
26°	400.7	401.0	401.1	400.9	400.8	401.0
26.5°	398.8	398.9	399.3	398.8	398.8	399.4
27°	397.0	397.0	397.5	397.0	397.0	397.6
27.5°	395.3	395.0	395.6	395.0	395.0	395.6
28°	393.2	392.8	393.6	393.0	392.9	393.5
28.5°	391.2	390.7	391.7	391.3	391.1	391.5
29°	389.1	388.8	389.7	389.0	388.9	389.3
29.5°	386.9	386.4	387.8	387.0	386.8	387.3
30°	384.8	384.4	385.7	384.8	384.4	385.2
30.5°	382.5	382.6	383.4	382.3	382.2	383.0
31°	380.2	380.2	380.8	380.3	380.1	381.1
31.5°	378.1	378.0	378.4	378.2	377.9	378.7
32°	375.9	376.0	376.0	375.8	375.5	376.3
32.5°	373.9	373.5	373.9	373.9	373.4	374.1
33°	371.6	371.6	371.5	371.5	371.0	371.4
33.5°	369.2	369.1	369.4	369.1	368.9	369.3
34°	366.7	366.7	366.7	366.9	366.3	367.0
34.5°	364.5	364.1	364.4	364.6	363.9	364.6
35°	362.3	361.5	361.8	362.2	361.6	362.0
35.5°	359.8	358.9	359.3	359.7	359.2	359.8
36°	357.2	356.6	356.8	357.1	356.6	357.3
36.5°	354.7	354.1	354.2	354.5	354.3	354.6
37°	352.1	351.6	351.7	351.9	351.8	351.8
37.5°	349.6	348.8	349.1	349.5	349.2	349.3
38°	347.2	346.0	346.5	346.8	346.9	346.7
38.5°	344.7	343.3	344.1	343.9	344.1	344.1
39°	342.0	340.9	341.4	341.4	341.3	341.4
39.5°	339.3	338.3	338.8	338.7	338.7	338.7
40°	336.5	335.7	336.1	336.0	335.8	336.0
40.5°	333.6	333.1	333.3	333.2	333.3	333.4
41°	330.9	330.7	330.7	330.6	330.5	330.5
41.5°	328.0	327.8	328.0	328.0	328.2	328.0
42°	325.2	324.9	325.1	325.2	325.5	325.0
42.5°	322.4	321.9	322.4	322.3	322.1	322.0
43°	319.6	319.0	319.2	319.3	319.1	319.1
43.5°	316.9	316.0	316.6	316.3	316.2	316.1
44°	313.9	312.9	313.8	313.3	313.2	313.1
44.5°	311.1	310.2	310.6	310.3	310.7	310.3

TEST NUMBER: P869666  
 CATALOG NUMBER: SMX14SLSFS010-1300LM-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
45°	308.0	307.1	307.6	307.4	307.5	307.1
45.5°	305.2	304.1	304.6	304.4	304.2	303.9
46°	302.0	301.1	301.5	301.5	301.1	301.1
46.5°	298.9	297.9	298.7	298.3	298.0	298.4
47°	295.8	294.7	295.8	295.3	295.1	295.4
47.5°	292.6	291.5	292.6	292.1	292.3	292.5
48°	289.5	288.5	289.4	288.9	289.3	289.1
48.5°	286.6	285.5	286.2	285.8	286.1	285.9
49°	283.1	282.3	283.0	282.5	282.4	282.7
49.5°	280.0	279.2	279.8	279.3	279.1	279.5
50°	276.9	276.0	276.5	276.1	276.3	276.4
50.5°	273.6	272.7	273.2	272.8	272.8	272.8
51°	270.5	269.4	269.9	269.6	269.4	269.6
51.5°	267.1	265.9	266.4	266.3	265.9	266.3
52°	263.9	262.7	263.2	263.0	262.6	263.1
52.5°	260.3	259.1	259.9	259.8	259.3	259.6
53°	257.1	256.0	256.3	256.3	256.0	256.3
53.5°	253.8	252.7	253.0	252.9	252.6	252.8
54°	250.4	249.2	249.2	249.4	249.4	249.3
54.5°	246.9	245.8	246.0	245.6	245.6	245.6
55°	243.4	242.5	242.5	242.0	242.2	242.4
55.5°	240.0	239.1	239.2	238.6	238.8	239.1
56°	236.9	235.5	235.6	235.0	235.3	235.5
56.5°	233.2	231.9	232.0	231.6	231.9	232.0
57°	229.6	228.2	228.5	228.0	228.2	228.3
57.5°	226.0	224.7	225.0	224.5	224.5	224.5
58°	222.5	221.1	221.1	221.3	220.9	221.1
58.5°	218.8	217.5	217.5	217.6	217.5	217.4
59°	215.2	213.8	213.8	214.0	213.9	213.7
59.5°	211.4	210.1	210.0	210.1	210.3	210.0
60°	207.5	206.5	206.4	206.4	206.4	206.6
60.5°	204.0	202.8	202.7	202.6	202.5	203.1
61°	200.5	199.0	199.2	198.7	198.8	199.0
61.5°	196.7	195.2	195.6	194.9	195.2	195.3
62°	192.9	191.6	191.7	191.1	191.2	191.6
62.5°	189.1	187.7	187.9	187.5	187.4	187.8
63°	185.3	183.8	184.0	183.8	183.5	183.9
63.5°	181.4	180.0	180.3	179.8	179.6	180.1
64°	177.9	176.1	176.3	175.9	175.9	176.2
64.5°	173.7	172.3	172.6	172.2	172.1	172.5
65°	170.1	168.3	168.6	168.3	168.2	168.7
65.5°	166.1	164.5	164.6	164.3	164.4	164.8
66°	162.1	160.4	160.5	160.5	160.5	160.8
66.5°	158.1	156.5	156.6	156.5	156.8	156.7
67°	154.5	152.4	152.7	152.4	153.1	152.6

TEST NUMBER: P869666  
 CATALOG NUMBER: SMX14SLSFS010-1300LM-2700K

**CANDELA DISTRIBUTION (continued):**

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	150.4	148.5	149.1	148.6	149.1	148.8
68°	146.4	144.6	145.0	144.6	144.7	144.7
68.5°	142.4	140.9	141.0	140.7	140.8	140.8
69°	138.4	136.9	137.1	136.9	136.9	136.9
69.5°	134.4	132.8	133.1	132.8	132.9	132.7
70°	130.4	128.7	128.9	128.8	128.8	128.6
70.5°	126.7	124.8	125.0	124.9	125.0	124.6
71°	122.8	120.5	120.7	120.8	120.8	120.6
71.5°	118.6	116.6	116.9	116.6	116.6	116.7
72°	114.6	112.6	112.6	112.6	112.5	112.7
72.5°	110.6	108.7	108.7	108.7	108.3	108.5
73°	106.7	104.6	104.9	104.7	104.4	104.6
73.5°	102.8	100.6	101.0	100.6	100.5	100.6
74°	98.9	96.6	96.8	96.4	96.5	96.5
74.5°	94.8	92.6	92.7	92.5	92.3	92.5
75°	90.8	88.5	88.6	88.4	88.2	88.4
75.5°	86.7	84.6	84.7	84.3	84.2	84.5
76°	82.7	80.5	80.6	80.4	80.3	80.5
76.5°	78.9	76.4	76.6	76.5	76.4	76.4
77°	74.9	72.6	72.6	72.4	72.4	72.5
77.5°	70.9	68.9	68.7	68.6	68.7	68.6
78°	66.9	65.0	64.7	64.8	64.8	64.7
78.5°	63.1	61.2	60.9	60.9	61.0	60.9
79°	59.3	57.4	57.1	57.2	57.4	57.1
79.5°	55.5	53.5	53.5	53.4	53.6	53.3
80°	51.8	49.7	49.7	49.6	49.9	49.7
80.5°	48.2	46.1	46.1	46.1	46.0	46.0
81°	44.5	42.5	42.6	42.6	42.4	42.4
81.5°	40.9	39.0	39.1	39.2	38.9	38.9
82°	37.4	35.6	35.6	35.7	35.4	35.5
82.5°	34.1	32.2	32.4	32.2	32.0	32.2
83°	30.8	29.0	29.1	29.0	28.7	28.8
83.5°	27.5	25.9	25.9	25.8	25.5	25.6
84°	24.3	22.8	22.8	22.8	22.6	22.6
84.5°	21.2	19.8	19.9	19.8	19.8	19.8
85°	18.4	17.1	17.2	17.0	17.0	17.0
85.5°	15.6	14.6	14.7	14.6	14.6	14.5
86°	13.4	12.1	12.3	12.3	12.1	12.1
86.5°	11.1	9.8	10.0	9.9	9.8	9.8
87°	8.9	7.7	7.8	7.8	7.7	7.6
87.5°	6.9	5.6	5.7	5.7	5.6	5.6
88°	5.1	3.9	4.0	4.0	4.0	3.9
88.5°	3.4	2.6	2.7	2.7	2.7	2.6
89°	2.1	1.5	1.6	1.6	1.6	1.6
89.5°	1.1	0.8	0.9	0.9	0.9	0.9

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

  
NVLAP Lab Code: 200050-0



TEST NUMBER: P869666  
CATALOG NUMBER: SMX14SLSFS010-1300LM-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)