

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: P869667

Luminaire Tested: **SMX14SLSFS010-1300LM-3000K**

Issue Date: 8/29/2024

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P869667
 Test Lab:
 Issue Date: 8/29/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: SMX14SLSFS010-1300LM-3000K
 Description: 14IN SQUARE, 90CRI, DIMMING TO 10%, DAMP LOCATION
 Light Source: SELECTABLE CCT 90CRI / 3000K CCT
 Ballast/Driver: -

Summary

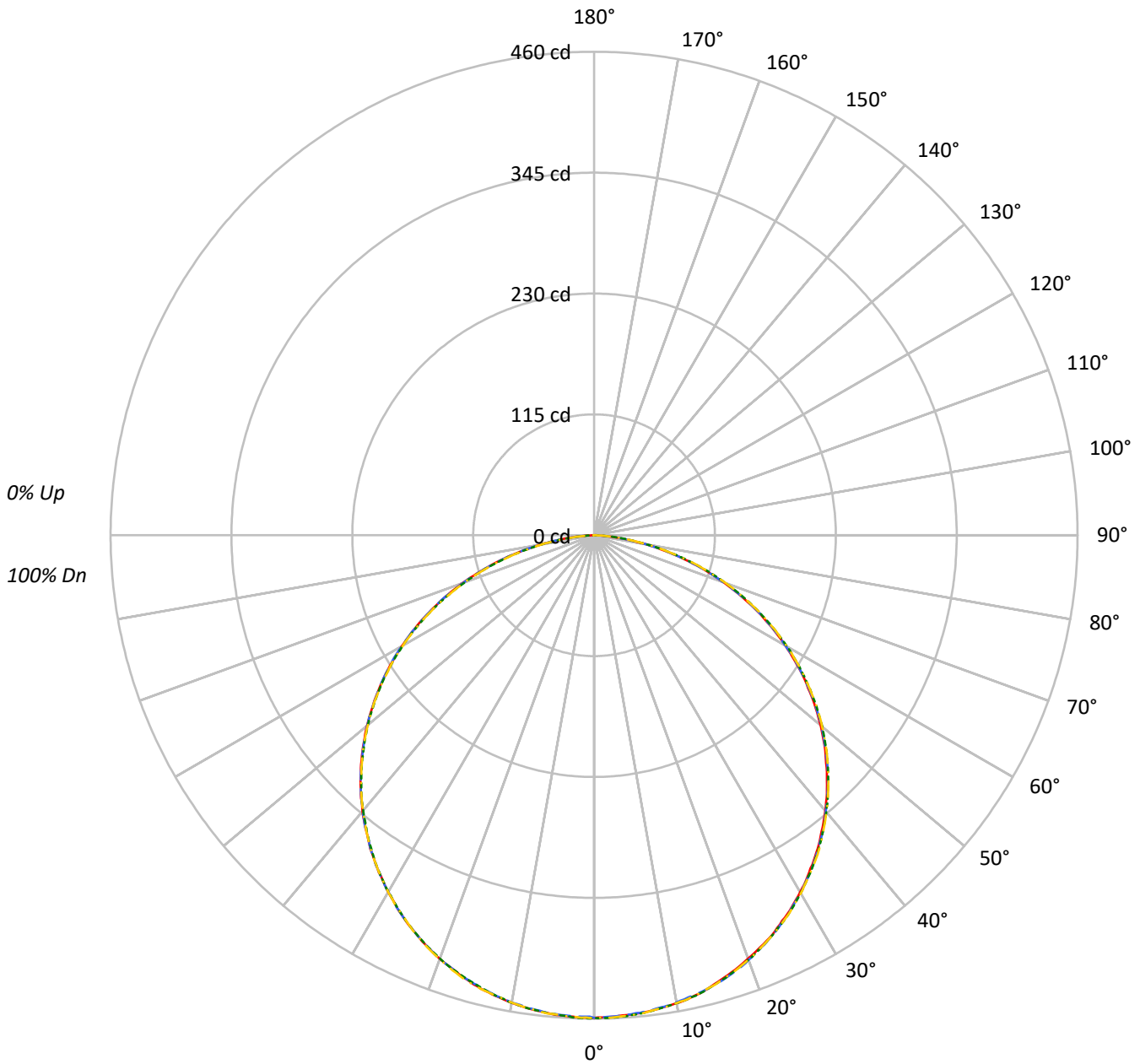
Lumens per Lamp: N/A
 Luminaire Lumens: 1341.6 lumens
 Efficiency: N/A
 Efficacy: 93.2 lumens/watt
 Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
 Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
 CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3629	3629	3629	3629
5°	3625	3631	3629	3628
10°	3628	3628	3626	3625
15°	3619	3624	3621	3613
20°	3604	3613	3607	3606
25°	3595	3601	3591	3592
30°	3578	3589	3576	3572
35°	3556	3570	3558	3551
40°	3529	3545	3536	3525
45°	3495	3519	3510	3495
50°	3460	3485	3466	3455
55°	3401	3428	3415	3402
60°	3324	3357	3340	3323
65°	3211	3248	3235	3204
70°	3025	3080	3073	3027
75°	2748	2812	2816	2751
80°	2303	2394	2385	2303
85°	1569	1669	1660	1578

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.5	3.2
10°-20°	124.8	9.3
20°-30°	190.1	14.2
30°-40°	230.9	17.2
40°-50°	241.9	18.0
50°-60°	221.2	16.5
60°-70°	170.4	12.7
70°-80°	96.4	7.2
80°-90°	22.4	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°	358.4	26.7
0°-40°	589.3	43.9
0°-60°	1052.5	78.5
0°-90°	1341.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1341.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	459	459	459	459	459	
5°	457	458	457	457	457	43
15°	442	443	442	442	442	125
25°	412	413	412	412	412	190
35°	368	370	369	368	368	231
45°	313	315	314	313	313	241
55°	247	249	248	247	247	220
65°	172	174	173	171	172	169
75°	90	92	92	90	90	95
85°	17	18	18	17	17	22
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°	459.2	459.2	459.2	459.2	459.2	459.2	459.2	459.2	459.2	459.2	459.2
0.5°	458.9	459.7	458.5	459.0	459.5	459.2	459.3	459.2	459.0	459.5	458.0
1°	458.9	459.8	458.8	458.8	459.5	459.1	459.0	458.9	459.1	459.1	458.1
1.5°	458.7	459.4	458.5	458.6	459.4	458.9	459.3	458.6	458.9	459.2	458.2
2°	458.6	459.3	458.4	458.6	459.3	458.7	459.2	458.5	459.0	459.3	458.1
2.5°	458.5	459.2	458.3	458.2	459.3	458.9	458.9	458.5	458.5	459.2	458.0
3°	457.8	459.0	457.8	458.1	458.9	458.6	458.7	458.4	458.4	458.7	457.9
3.5°	457.6	458.6	457.9	457.9	458.7	458.2	458.4	458.2	458.1	458.6	457.7
4°	457.6	458.2	457.4	457.4	458.6	458.1	458.1	458.1	457.9	458.2	457.6
4.5°	457.3	458.0	457.1	457.2	458.0	457.8	457.8	457.6	457.8	458.5	457.0
5°	456.9	457.7	456.5	457.1	457.6	457.5	457.7	457.2	457.4	457.8	456.9
5.5°	456.7	457.2	456.4	456.6	457.2	457.2	457.5	456.6	456.9	457.3	456.5
6°	456.4	456.8	456.0	456.3	456.9	456.4	456.9	456.3	456.4	456.7	456.1
6.5°	456.1	456.6	455.4	455.8	456.4	455.7	456.4	456.0	455.8	456.2	455.4
7°	455.6	456.1	455.0	455.4	455.8	455.4	455.5	455.3	455.6	455.6	454.9
7.5°	455.0	455.4	454.2	454.6	455.2	454.8	455.0	454.7	454.9	455.3	454.4
8°	454.2	454.8	453.8	454.1	454.6	454.2	454.6	454.2	454.4	454.7	453.7
8.5°	453.8	454.2	453.6	453.4	454.0	453.8	454.0	453.2	453.8	453.8	452.9
9°	453.3	453.7	452.8	452.9	453.3	453.0	453.6	452.6	453.1	453.3	452.3
9.5°	452.7	452.9	452.1	452.2	452.7	452.1	452.7	452.0	452.3	452.9	451.8
10°	452.1	451.8	451.3	451.6	452.1	451.8	452.1	451.4	451.8	452.1	451.4
10.5°	451.6	451.3	450.4	450.8	451.8	451.0	451.3	450.6	450.8	451.2	450.5
11°	450.8	450.3	449.9	450.2	450.9	450.3	450.8	449.7	450.1	450.7	449.5
11.5°	450.0	449.7	448.8	449.1	450.1	449.7	450.2	448.9	449.1	449.5	448.7
12°	449.0	449.1	448.1	448.6	449.1	448.7	448.9	447.8	448.4	448.4	447.9
12.5°	448.1	448.3	447.5	447.6	448.5	448.2	448.0	447.0	447.5	447.5	446.9
13°	447.3	447.5	446.6	446.7	447.3	447.1	447.1	446.2	446.4	446.6	445.8
13.5°	446.2	446.6	445.9	445.4	446.5	445.8	445.6	445.1	445.7	445.9	444.9
14°	445.0	445.5	444.8	444.5	445.3	444.9	444.7	443.8	444.7	444.7	443.7
14.5°	443.7	444.3	443.8	443.3	444.0	443.8	443.9	442.8	443.3	443.8	442.3
15°	442.3	443.4	443.0	442.5	442.9	443.0	443.1	441.3	442.5	442.8	441.6
15.5°	441.0	442.2	442.1	441.0	441.8	441.8	441.8	440.3	441.0	441.7	440.4
16°	439.7	440.6	440.8	439.8	440.3	440.3	440.3	439.5	439.7	440.2	439.4
16.5°	438.4	439.1	439.6	438.7	439.4	439.1	439.0	438.4	438.5	438.9	438.3
17°	437.2	437.8	438.5	437.2	437.9	437.8	437.8	437.2	437.2	437.4	437.1
17.5°	435.8	436.4	437.2	435.6	436.5	436.4	436.7	435.8	435.6	436.3	435.8
18°	434.5	434.8	436.0	434.6	435.2	435.2	435.4	434.4	434.2	434.7	434.3
18.5°	433.1	433.5	434.8	433.3	434.0	433.7	433.9	433.4	432.8	433.5	432.9
19°	431.6	431.9	433.2	431.8	432.4	432.6	432.6	432.0	431.6	432.1	431.7
19.5°	430.1	430.4	431.8	430.1	431.0	431.2	431.1	430.4	430.5	430.7	430.5
20°	428.5	429.1	430.0	428.8	429.6	429.8	429.7	429.1	428.9	429.2	428.9
20.5°	427.2	427.9	428.7	427.2	428.4	428.5	428.3	427.5	427.5	427.6	427.6
21°	425.7	426.0	427.2	425.9	426.8	426.7	426.7	426.3	425.9	426.1	425.8
21.5°	424.0	424.5	425.5	424.1	425.1	424.9	424.8	424.6	424.1	424.5	424.1
22°	422.6	422.9	423.2	422.7	423.5	423.1	423.3	423.3	422.7	422.7	422.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	421.1	421.5	422.1	421.1	421.9	421.3	421.8	421.5	420.9	420.9	420.6
23°	419.4	419.8	420.3	419.3	420.3	419.7	420.1	419.6	419.4	419.2	418.6
23.5°	418.0	418.2	418.6	417.7	418.5	418.2	418.4	417.8	417.3	417.4	417.3
24°	416.4	416.5	416.6	416.0	416.8	416.6	416.8	416.1	415.7	416.0	415.5
24.5°	414.4	414.6	415.0	414.2	415.0	415.0	415.3	414.5	413.8	414.5	413.9
25°	412.2	413.0	413.3	412.2	412.9	413.2	413.3	412.8	411.8	412.4	412.0
25.5°	410.5	411.3	411.3	410.4	411.3	411.3	411.3	410.6	410.4	410.4	410.3
26°	408.2	409.1	409.3	408.2	409.5	409.4	409.5	408.7	408.5	408.9	408.5
26.5°	406.6	407.3	407.5	406.5	407.8	407.4	407.6	406.5	406.3	406.7	406.3
27°	404.7	405.5	405.3	404.9	405.9	405.4	405.9	404.9	404.3	404.7	404.6
27.5°	402.7	403.4	403.4	402.9	403.8	403.4	404.0	403.0	402.6	402.9	402.4
28°	400.6	401.1	401.3	400.8	401.8	401.6	401.7	400.9	400.4	401.0	400.6
28.5°	398.5	399.1	399.1	399.2	399.8	399.4	399.6	399.1	398.1	399.1	398.5
29°	396.3	397.1	397.2	396.9	397.4	397.2	397.4	396.9	395.9	397.0	396.0
29.5°	394.3	394.8	395.0	395.0	395.3	395.1	395.5	394.6	394.0	395.1	393.8
30°	392.1	392.6	392.8	392.7	393.3	393.2	393.4	392.6	391.8	392.5	391.6
30.5°	389.9	390.5	390.8	390.8	391.0	391.1	391.1	390.5	389.6	390.3	389.5
31°	387.9	388.1	388.3	388.8	388.7	388.9	388.6	388.3	387.3	388.1	387.5
31.5°	385.6	386.1	386.2	386.5	386.3	386.5	386.5	385.9	384.9	385.7	385.2
32°	383.1	383.9	384.0	384.0	383.9	384.3	384.3	383.5	382.7	383.4	382.9
32.5°	380.8	381.7	381.9	382.0	382.0	382.1	382.3	381.5	380.8	381.5	380.5
33°	378.1	379.2	379.2	379.6	379.7	379.6	379.8	379.1	378.4	379.2	378.4
33.5°	376.0	376.9	377.2	377.3	377.3	377.0	377.6	376.7	376.0	376.9	376.0
34°	373.6	374.7	374.6	374.9	374.9	374.7	375.3	374.1	373.5	374.1	373.6
34.5°	371.2	371.9	372.2	372.5	372.6	372.4	373.1	371.5	371.2	371.7	371.4
35°	368.5	368.9	369.5	369.9	370.0	370.1	370.8	369.4	368.8	369.1	368.7
35.5°	366.3	366.6	367.0	367.1	367.7	367.8	368.2	366.8	366.5	366.5	366.2
36°	363.7	364.1	364.3	364.7	365.1	364.9	365.7	364.2	363.8	364.0	363.7
36.5°	361.0	361.9	361.8	362.2	362.6	362.2	363.1	361.6	361.1	361.3	360.8
37°	358.1	359.1	359.4	359.6	359.9	359.9	360.5	358.7	358.3	358.8	358.4
37.5°	355.6	356.7	357.0	357.1	357.1	357.1	357.6	356.4	355.7	356.2	355.9
38°	353.0	354.2	354.2	354.3	354.6	354.3	354.8	353.8	353.4	353.8	353.4
38.5°	350.3	351.2	351.4	351.5	351.8	351.5	352.2	351.1	350.8	351.0	350.9
39°	347.6	348.7	348.6	348.8	349.2	348.9	349.5	348.3	348.1	348.2	347.9
39.5°	344.8	345.8	345.9	345.7	346.4	346.7	346.5	345.7	345.6	345.4	345.2
40°	342.0	342.8	343.1	343.1	343.6	344.0	343.9	343.3	342.7	342.8	342.5
40.5°	339.4	340.3	340.4	340.1	340.7	341.2	341.3	340.5	339.9	340.0	339.7
41°	336.5	337.4	337.6	337.4	338.2	338.4	338.4	337.7	336.8	337.2	336.9
41.5°	333.9	334.5	334.8	334.4	335.3	335.8	335.8	334.9	334.4	334.4	334.3
42°	330.9	331.6	331.9	331.6	332.2	332.8	332.7	332.1	331.8	331.4	331.4
42.5°	327.8	328.6	329.1	328.6	329.4	329.9	329.7	329.2	328.7	328.3	328.5
43°	324.9	325.7	326.3	325.7	326.6	326.9	326.7	326.2	325.7	325.4	325.6
43.5°	321.8	322.9	323.1	322.7	323.7	323.7	323.9	323.3	322.9	322.4	322.5
44°	318.8	319.8	320.2	319.9	320.7	320.8	320.9	320.3	319.8	319.4	319.6
44.5°	315.9	316.7	317.1	316.7	317.8	317.9	317.9	317.4	316.8	316.5	316.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	312.7	313.8	314.2	313.8	314.8	315.0	314.7	314.3	314.0	313.6	313.3
45.5°	309.4	310.6	311.3	310.7	311.9	312.0	311.6	311.4	310.8	310.6	310.2
46°	306.5	307.9	308.0	307.8	308.7	308.7	308.7	308.2	307.6	307.3	307.2
46.5°	303.7	304.7	304.8	304.7	305.6	305.6	305.7	305.0	304.5	304.5	304.0
47°	300.7	301.5	301.6	301.6	302.4	302.5	302.6	301.7	301.5	301.2	300.9
47.5°	297.7	298.5	298.4	298.2	299.2	299.5	299.3	298.6	298.3	298.0	297.6
48°	294.4	295.2	295.0	295.2	296.1	296.4	296.2	295.6	294.9	295.0	294.4
48.5°	291.0	292.0	292.0	291.8	293.0	293.0	293.0	292.4	291.6	291.7	291.3
49°	287.8	288.7	288.6	288.6	289.9	289.8	289.7	289.1	288.6	288.6	288.1
49.5°	284.6	285.5	285.4	285.3	286.6	286.3	286.5	286.1	285.3	285.5	284.8
50°	281.4	282.2	282.2	281.9	283.4	283.4	283.2	282.6	281.9	282.1	281.7
50.5°	277.8	278.9	278.9	278.7	280.0	279.9	279.9	279.4	278.6	278.7	278.4
51°	274.5	275.4	275.4	275.2	276.5	276.5	276.7	275.9	275.3	275.5	275.3
51.5°	271.1	272.1	272.2	272.0	273.2	273.1	273.3	272.5	271.9	272.1	271.6
52°	267.8	268.8	268.7	268.6	269.7	269.9	269.9	269.1	268.2	268.7	268.2
52.5°	264.3	265.2	265.2	265.2	266.4	266.6	266.4	265.7	265.0	265.5	264.8
53°	260.9	261.9	261.7	261.6	262.8	263.1	262.8	262.2	261.8	262.0	261.6
53.5°	257.3	258.3	258.2	258.0	259.3	259.4	259.2	259.0	258.3	258.8	258.0
54°	253.8	254.5	254.6	254.5	255.8	255.9	255.8	255.5	254.7	255.1	254.7
54.5°	250.1	250.9	251.2	251.1	252.4	252.4	252.2	251.8	251.2	251.5	251.3
55°	246.8	247.6	247.3	247.7	248.8	248.9	248.9	248.3	247.8	248.0	247.9
55.5°	243.4	244.0	243.9	244.0	245.1	245.5	245.0	244.6	244.2	244.7	244.3
56°	239.8	240.5	240.3	240.6	241.6	242.0	241.9	241.3	240.8	241.1	240.7
56.5°	236.2	236.8	236.8	237.0	238.0	238.4	238.3	237.5	237.1	237.4	237.0
57°	232.4	233.0	233.1	233.4	234.4	234.8	234.6	234.0	233.3	233.8	233.5
57.5°	228.6	229.3	229.5	229.6	230.8	231.0	231.0	230.3	229.8	230.2	230.0
58°	225.1	225.6	225.7	225.8	227.0	227.4	227.0	226.8	226.1	226.3	226.5
58.5°	221.3	222.1	222.1	222.1	223.4	223.9	223.1	223.1	222.5	222.7	222.8
59°	217.5	218.5	218.1	218.2	219.9	219.9	219.6	219.3	218.9	219.2	219.0
59.5°	213.8	214.5	214.3	214.5	216.2	216.0	215.8	215.6	214.9	215.4	215.2
60°	210.3	210.7	210.5	210.6	212.4	212.3	212.1	212.1	211.3	211.6	211.4
60.5°	206.7	206.9	206.8	206.6	208.5	208.5	208.1	208.1	207.2	207.8	207.7
61°	202.6	202.9	203.0	202.8	204.6	205.0	204.3	204.6	203.7	203.9	203.8
61.5°	198.9	199.2	199.4	198.9	200.7	201.1	200.5	200.6	200.0	200.3	199.9
62°	195.0	195.4	195.6	195.4	197.0	197.3	197.1	196.9	196.3	196.5	196.4
62.5°	191.2	191.3	191.7	191.3	193.0	193.3	193.1	193.0	192.3	192.6	192.4
63°	187.2	187.3	187.8	187.6	189.1	189.6	189.2	189.2	188.5	188.7	188.4
63.5°	183.3	183.7	183.9	183.7	185.2	185.7	185.4	185.4	184.8	184.8	184.7
64°	179.3	179.7	179.9	179.8	181.5	181.8	181.5	181.3	180.9	181.0	180.7
64.5°	175.6	176.0	176.1	175.8	177.5	177.6	177.5	177.2	176.9	176.9	176.8
65°	171.7	172.1	172.0	172.0	173.7	174.0	173.7	173.4	173.0	173.2	173.0
65.5°	167.7	168.0	168.0	167.7	170.0	169.7	169.6	169.3	169.0	169.3	169.2
66°	163.7	163.9	163.9	163.7	165.8	165.7	165.3	165.3	164.9	165.4	165.2
66.5°	159.5	159.9	159.7	159.7	161.7	161.7	161.5	161.3	161.1	161.4	161.0
67°	155.4	155.7	155.8	155.7	157.6	157.8	157.5	157.4	157.1	157.3	157.3

TEST NUMBER: P869667
 CATALOG NUMBER: SMX14SLSFS010-1300LM-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	151.5	151.8	151.8	151.7	153.5	153.8	153.4	153.3	153.1	153.4	153.1
68°	147.4	147.8	147.6	147.8	149.6	149.9	149.5	149.3	149.4	149.4	149.1
68.5°	143.3	143.6	143.6	143.6	145.6	145.9	145.5	145.3	145.5	145.4	145.0
69°	139.3	139.6	139.6	139.4	141.7	141.8	141.4	141.2	141.2	141.2	140.7
69.5°	135.0	135.4	135.5	135.3	137.5	137.7	137.3	137.1	137.1	137.1	136.8
70°	130.9	131.4	131.3	131.2	133.3	133.6	133.1	132.9	133.0	133.1	132.6
70.5°	126.9	127.3	126.9	127.2	129.3	129.6	129.1	129.0	129.1	128.9	128.7
71°	122.8	123.0	122.9	122.9	125.2	125.4	124.8	125.0	124.9	124.9	124.6
71.5°	118.9	119.0	118.8	118.7	121.0	121.1	120.9	120.7	120.9	120.6	120.5
72°	114.7	114.8	114.7	114.6	116.9	117.1	116.7	116.7	116.9	116.6	116.4
72.5°	110.4	110.9	110.7	110.3	112.8	113.0	112.8	112.6	112.7	112.5	112.3
73°	106.4	106.7	106.6	106.4	108.7	108.9	108.7	108.6	108.6	108.4	108.2
73.5°	102.4	102.7	102.4	102.4	104.7	104.9	104.8	104.6	104.5	104.4	104.3
74°	98.2	98.4	98.4	98.3	100.6	100.9	100.8	100.4	100.5	100.3	100.1
74.5°	94.1	94.5	94.2	94.2	96.5	96.8	96.4	96.4	96.3	96.3	96.1
75°	90.0	90.3	90.2	90.0	92.1	92.5	92.4	92.2	92.2	92.2	92.1
75.5°	86.0	86.1	86.0	85.9	88.1	88.4	88.2	88.2	88.1	88.1	88.1
76°	81.9	82.1	81.9	82.0	84.0	84.3	84.0	84.1	84.1	84.0	83.9
76.5°	77.8	78.0	78.1	77.8	80.1	80.2	80.0	80.1	80.1	80.0	80.1
77°	73.8	73.9	73.8	73.8	75.9	76.3	76.1	76.0	75.9	76.1	76.1
77.5°	69.8	70.1	69.9	69.9	71.9	72.2	72.0	72.0	72.0	72.1	72.1
78°	65.9	66.1	65.9	66.0	68.0	68.2	68.0	67.9	67.8	68.1	68.0
78.5°	62.0	62.1	62.0	62.1	64.2	64.2	64.2	64.0	63.8	64.1	64.1
79°	58.1	58.3	58.1	58.4	60.4	60.5	60.3	60.3	60.0	60.3	60.2
79.5°	54.3	54.5	54.4	54.5	56.6	56.5	56.4	56.4	56.2	56.5	56.5
80°	50.6	50.6	50.6	50.5	52.6	52.7	52.4	52.4	52.4	52.6	52.6
80.5°	46.8	46.9	46.8	46.7	48.8	49.0	48.8	48.8	48.6	48.9	48.9
81°	43.2	43.3	43.1	42.9	45.0	45.3	45.1	45.0	45.0	45.2	45.3
81.5°	39.6	39.7	39.5	39.4	41.4	41.5	41.4	41.3	41.3	41.5	41.6
82°	36.2	36.2	36.1	35.8	37.8	37.9	37.8	37.7	37.7	37.9	38.1
82.5°	32.7	32.8	32.6	32.4	34.4	34.6	34.4	34.3	34.3	34.5	34.7
83°	29.3	29.4	29.2	29.0	31.0	31.1	31.1	30.9	30.9	31.1	31.4
83.5°	26.0	26.2	26.0	25.9	27.5	27.8	27.6	27.6	27.6	27.8	28.0
84°	23.0	23.1	22.9	22.7	24.4	24.4	24.4	24.3	24.3	24.5	24.7
84.5°	20.1	20.1	20.1	19.9	21.3	21.6	21.3	21.3	21.2	21.4	21.6
85°	17.3	17.3	17.3	17.0	18.4	18.5	18.4	18.3	18.3	18.4	18.6
85.5°	14.8	14.8	14.8	14.5	15.6	15.6	15.6	15.6	15.5	15.6	15.9
86°	12.3	12.3	12.2	12.0	13.3	13.3	13.3	13.2	13.2	13.4	13.5
86.5°	10.0	10.0	10.0	9.8	11.0	11.0	11.1	10.9	11.0	11.2	11.2
87°	7.7	7.7	7.8	7.6	8.8	8.9	8.9	8.8	8.8	8.9	9.0
87.5°	5.7	5.6	5.6	5.4	6.8	6.8	6.8	6.7	6.6	6.8	6.9
88°	3.9	4.0	3.9	3.8	4.9	4.9	4.9	4.9	4.9	5.0	5.1
88.5°	2.6	2.7	2.6	2.5	3.3	3.5	3.3	3.3	3.2	3.4	3.4
89°	1.6	1.7	1.7	1.6	1.9	2.1	1.9	1.9	1.8	2.0	2.1
89.5°	0.9	0.9	0.9	0.9	1.0	1.0	1.0	0.9	0.8	0.9	1.0

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



TEST NUMBER: P869667
CATALOG NUMBER: SMX14SLSFS010-1300LM-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: P869667
 CATALOG NUMBER: SMX14SLSFS010-1300LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	459.2	459.2	459.2	459.2	459.2	459.2
0.5°	458.8	459.8	459.4	459.2	459.0	458.9
1°	458.6	459.6	459.8	458.9	458.8	458.9
1.5°	458.8	459.8	459.4	459.2	458.5	458.7
2°	458.5	459.3	459.1	458.9	458.6	458.6
2.5°	458.6	459.1	458.8	458.5	458.8	458.5
3°	458.4	458.5	458.4	458.4	458.6	457.8
3.5°	457.9	458.1	458.4	458.0	458.5	457.6
4°	457.8	457.9	458.4	457.5	458.0	457.6
4.5°	457.4	457.5	457.7	457.3	457.7	457.3
5°	456.7	457.3	457.1	457.2	457.1	456.9
5.5°	456.2	456.8	456.8	457.2	456.8	456.7
6°	455.6	456.3	456.1	456.6	456.4	456.4
6.5°	455.3	455.7	455.6	456.2	455.6	456.1
7°	454.8	455.2	455.0	455.4	455.0	455.6
7.5°	454.8	454.9	454.6	454.8	454.9	455.0
8°	453.8	454.5	453.8	454.2	454.1	454.2
8.5°	453.2	453.8	453.5	453.7	453.2	453.8
9°	452.4	453.0	452.9	452.9	452.7	453.3
9.5°	451.5	452.5	452.0	452.2	452.0	452.7
10°	451.1	451.7	451.1	451.4	451.5	452.1
10.5°	450.2	450.8	450.5	450.7	451.0	451.6
11°	449.4	449.7	449.9	449.8	450.1	450.8
11.5°	448.5	448.7	449.3	448.6	449.4	450.0
12°	447.6	447.9	448.5	447.9	448.5	449.0
12.5°	446.8	447.0	447.5	447.4	448.2	448.1
13°	446.1	446.1	446.6	446.3	447.0	447.3
13.5°	445.0	445.0	445.3	445.6	445.9	446.2
14°	444.1	443.7	444.1	445.0	445.0	445.0
14.5°	442.7	442.5	442.7	443.7	443.7	443.7
15°	441.8	441.5	441.4	442.8	442.3	442.3
15.5°	440.5	440.4	440.4	441.9	441.2	441.0
16°	439.4	439.2	439.0	440.8	439.5	439.7
16.5°	438.2	438.0	438.0	439.6	438.4	438.4
17°	436.8	436.7	436.7	438.0	437.1	437.2
17.5°	435.5	435.6	435.2	436.7	435.6	435.8
18°	434.2	434.3	434.2	435.4	434.4	434.5
18.5°	433.0	433.0	432.8	433.8	432.8	433.1
19°	431.7	431.7	431.5	432.3	431.2	431.6
19.5°	430.0	430.2	430.3	430.8	429.8	430.1
20°	428.7	428.7	429.2	429.2	428.5	428.5
20.5°	427.0	427.1	427.7	427.7	427.2	427.2
21°	425.5	425.5	426.1	426.3	425.7	425.7
21.5°	423.9	423.9	424.8	424.7	424.5	424.0
22°	422.5	422.5	423.5	423.0	422.8	422.6

TEST NUMBER: P869667
 CATALOG NUMBER: SMX14SLSFS010-1300LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	420.5	420.6	421.6	421.2	421.1	421.1
23°	419.0	419.0	419.7	419.3	419.4	419.4
23.5°	417.6	417.3	418.4	417.7	417.8	418.0
24°	415.8	415.4	416.7	415.7	415.7	416.4
24.5°	414.0	413.7	414.3	414.2	414.0	414.4
25°	411.9	411.9	412.5	412.0	411.9	412.2
25.5°	410.1	410.1	410.6	410.2	410.1	410.5
26°	407.9	408.2	408.3	408.1	408.1	408.2
26.5°	406.0	406.1	406.5	406.0	406.0	406.6
27°	404.1	404.1	404.6	404.1	404.1	404.7
27.5°	402.5	402.1	402.7	402.1	402.1	402.7
28°	400.3	399.9	400.7	400.0	399.9	400.6
28.5°	398.3	397.7	398.7	398.3	398.2	398.5
29°	396.1	395.8	396.7	396.0	395.9	396.3
29.5°	393.9	393.4	394.8	394.0	393.8	394.3
30°	391.7	391.4	392.6	391.8	391.4	392.1
30.5°	389.4	389.5	390.3	389.2	389.1	389.9
31°	387.1	387.1	387.7	387.2	386.9	387.9
31.5°	384.9	384.8	385.2	385.0	384.7	385.6
32°	382.7	382.8	382.8	382.6	382.3	383.1
32.5°	380.6	380.3	380.7	380.7	380.1	380.8
33°	378.2	378.2	378.2	378.2	377.7	378.1
33.5°	375.9	375.8	376.1	375.7	375.5	376.0
34°	373.3	373.3	373.3	373.6	372.9	373.6
34.5°	371.1	370.6	371.0	371.2	370.5	371.2
35°	368.8	368.0	368.3	368.7	368.1	368.5
35.5°	366.3	365.4	365.8	366.2	365.7	366.3
36°	363.6	363.0	363.3	363.5	363.0	363.7
36.5°	361.1	360.5	360.6	360.9	360.7	361.0
37°	358.4	357.9	358.0	358.2	358.1	358.1
37.5°	355.9	355.1	355.4	355.8	355.5	355.6
38°	353.4	352.3	352.7	353.1	353.1	353.0
38.5°	350.9	349.5	350.3	350.1	350.3	350.3
39°	348.2	347.1	347.6	347.5	347.5	347.6
39.5°	345.5	344.4	344.9	344.8	344.8	344.8
40°	342.6	341.7	342.2	342.0	341.9	342.0
40.5°	339.6	339.1	339.3	339.2	339.3	339.4
41°	336.9	336.7	336.6	336.6	336.5	336.5
41.5°	334.0	333.7	333.9	333.9	334.1	333.9
42°	331.1	330.8	330.9	331.0	331.4	330.9
42.5°	328.2	327.7	328.2	328.1	327.9	327.8
43°	325.3	324.7	325.0	325.1	324.9	324.9
43.5°	322.6	321.7	322.3	322.0	321.9	321.8
44°	319.5	318.6	319.4	318.9	318.8	318.8
44.5°	316.7	315.8	316.2	315.9	316.3	315.9

TEST NUMBER: P869667
 CATALOG NUMBER: SMX14SLSFS010-1300LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	313.6	312.7	313.2	313.0	313.1	312.7
45.5°	310.7	309.6	310.1	309.9	309.6	309.4
46°	307.5	306.5	306.9	306.9	306.5	306.5
46.5°	304.3	303.3	304.1	303.7	303.3	303.7
47°	301.1	300.0	301.1	300.7	300.4	300.7
47.5°	297.9	296.8	297.9	297.4	297.6	297.7
48°	294.7	293.7	294.6	294.1	294.5	294.4
48.5°	291.7	290.6	291.3	290.9	291.3	291.0
49°	288.2	287.4	288.1	287.6	287.5	287.8
49.5°	285.0	284.2	284.9	284.3	284.2	284.6
50°	281.9	281.0	281.5	281.1	281.3	281.4
50.5°	278.6	277.6	278.1	277.8	277.8	277.8
51°	275.4	274.3	274.8	274.4	274.2	274.5
51.5°	271.9	270.7	271.2	271.1	270.7	271.1
52°	268.6	267.4	268.0	267.7	267.3	267.8
52.5°	265.0	263.8	264.5	264.5	264.0	264.3
53°	261.7	260.6	260.9	260.9	260.6	260.9
53.5°	258.4	257.2	257.6	257.4	257.1	257.3
54°	254.9	253.7	253.7	253.8	253.8	253.8
54.5°	251.4	250.2	250.5	250.0	250.0	250.1
55°	247.8	246.9	246.9	246.4	246.6	246.8
55.5°	244.3	243.4	243.5	242.9	243.1	243.4
56°	241.1	239.7	239.9	239.2	239.5	239.8
56.5°	237.4	236.1	236.2	235.8	236.0	236.2
57°	233.7	232.3	232.6	232.1	232.3	232.4
57.5°	230.0	228.8	229.0	228.6	228.6	228.6
58°	226.5	225.1	225.1	225.3	224.8	225.1
58.5°	222.8	221.4	221.4	221.6	221.5	221.3
59°	219.1	217.6	217.6	217.8	217.8	217.5
59.5°	215.2	213.9	213.8	213.9	214.1	213.8
60°	211.3	210.2	210.1	210.1	210.1	210.3
60.5°	207.7	206.5	206.3	206.2	206.1	206.7
61°	204.1	202.6	202.7	202.3	202.3	202.6
61.5°	200.3	198.7	199.1	198.4	198.7	198.9
62°	196.4	195.1	195.2	194.6	194.7	195.0
62.5°	192.6	191.1	191.3	190.8	190.7	191.2
63°	188.7	187.1	187.3	187.1	186.8	187.2
63.5°	184.7	183.2	183.5	183.0	182.9	183.3
64°	181.1	179.2	179.5	179.1	179.1	179.3
64.5°	176.8	175.4	175.7	175.3	175.2	175.6
65°	173.2	171.3	171.6	171.3	171.2	171.7
65.5°	169.1	167.4	167.6	167.3	167.4	167.7
66°	165.0	163.3	163.4	163.4	163.4	163.7
66.5°	161.0	159.3	159.4	159.4	159.7	159.5
67°	157.3	155.1	155.5	155.2	155.8	155.4

TEST NUMBER: P869667
 CATALOG NUMBER: SMX14SLSFS010-1300LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	153.1	151.2	151.8	151.3	151.8	151.5
68°	149.1	147.2	147.6	147.2	147.3	147.4
68.5°	145.0	143.5	143.5	143.2	143.3	143.3
69°	140.9	139.4	139.6	139.4	139.4	139.3
69.5°	136.8	135.2	135.5	135.2	135.3	135.0
70°	132.8	131.0	131.3	131.1	131.2	130.9
70.5°	129.0	127.0	127.2	127.2	127.2	126.9
71°	125.0	122.6	122.9	123.0	123.0	122.8
71.5°	120.7	118.7	119.0	118.7	118.7	118.9
72°	116.6	114.7	114.7	114.6	114.5	114.7
72.5°	112.6	110.6	110.7	110.6	110.2	110.4
73°	108.7	106.5	106.8	106.6	106.3	106.4
73.5°	104.6	102.4	102.8	102.4	102.3	102.4
74°	100.7	98.3	98.5	98.1	98.2	98.2
74.5°	96.5	94.2	94.4	94.1	94.0	94.1
75°	92.4	90.1	90.2	90.0	89.8	90.0
75.5°	88.2	86.1	86.2	85.8	85.7	86.0
76°	84.2	82.0	82.1	81.8	81.8	81.9
76.5°	80.3	77.8	78.0	77.9	77.8	77.8
77°	76.2	73.9	73.9	73.7	73.7	73.8
77.5°	72.2	70.2	69.9	69.9	69.9	69.8
78°	68.2	66.2	65.9	65.9	65.9	65.9
78.5°	64.2	62.3	62.0	62.0	62.1	62.0
79°	60.4	58.5	58.1	58.2	58.4	58.1
79.5°	56.5	54.5	54.5	54.4	54.6	54.3
80°	52.7	50.6	50.6	50.5	50.8	50.6
80.5°	49.0	47.0	47.0	47.0	46.9	46.8
81°	45.3	43.3	43.3	43.3	43.2	43.2
81.5°	41.6	39.7	39.8	39.9	39.6	39.6
82°	38.1	36.2	36.3	36.3	36.1	36.2
82.5°	34.7	32.8	33.0	32.8	32.6	32.7
83°	31.4	29.5	29.6	29.5	29.2	29.3
83.5°	28.0	26.3	26.3	26.3	26.0	26.0
84°	24.7	23.2	23.2	23.2	23.0	23.0
84.5°	21.6	20.2	20.3	20.2	20.1	20.1
85°	18.7	17.4	17.5	17.3	17.3	17.3
85.5°	15.9	14.9	14.9	14.9	14.9	14.8
86°	13.6	12.4	12.5	12.5	12.4	12.3
86.5°	11.3	10.0	10.2	10.1	10.0	10.0
87°	9.1	7.8	8.0	7.9	7.8	7.7
87.5°	7.0	5.7	5.8	5.8	5.7	5.7
88°	5.2	4.0	4.1	4.1	4.1	3.9
88.5°	3.5	2.6	2.7	2.7	2.7	2.6
89°	2.2	1.5	1.7	1.7	1.7	1.6
89.5°	1.1	0.9	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: P869667
CATALOG NUMBER: SMX14SLSFS010-1300LM-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)