

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: P869681

Luminaire Tested: **SMX14SLSFSD2W-1300LM-2700K**

Issue Date: 8/29/2024

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P869681
 Test Lab:
 Issue Date: 8/29/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: SMX14SLSFSD2W-1300LM-2700K
 Description: 14IN SQUARE, 90CRI, DIMMING TO 10%, DAMP LOCATION
 Light Source: SELECTABLE CCT 90CRI / 2700K CCT
 Ballast/Driver: -

Summary

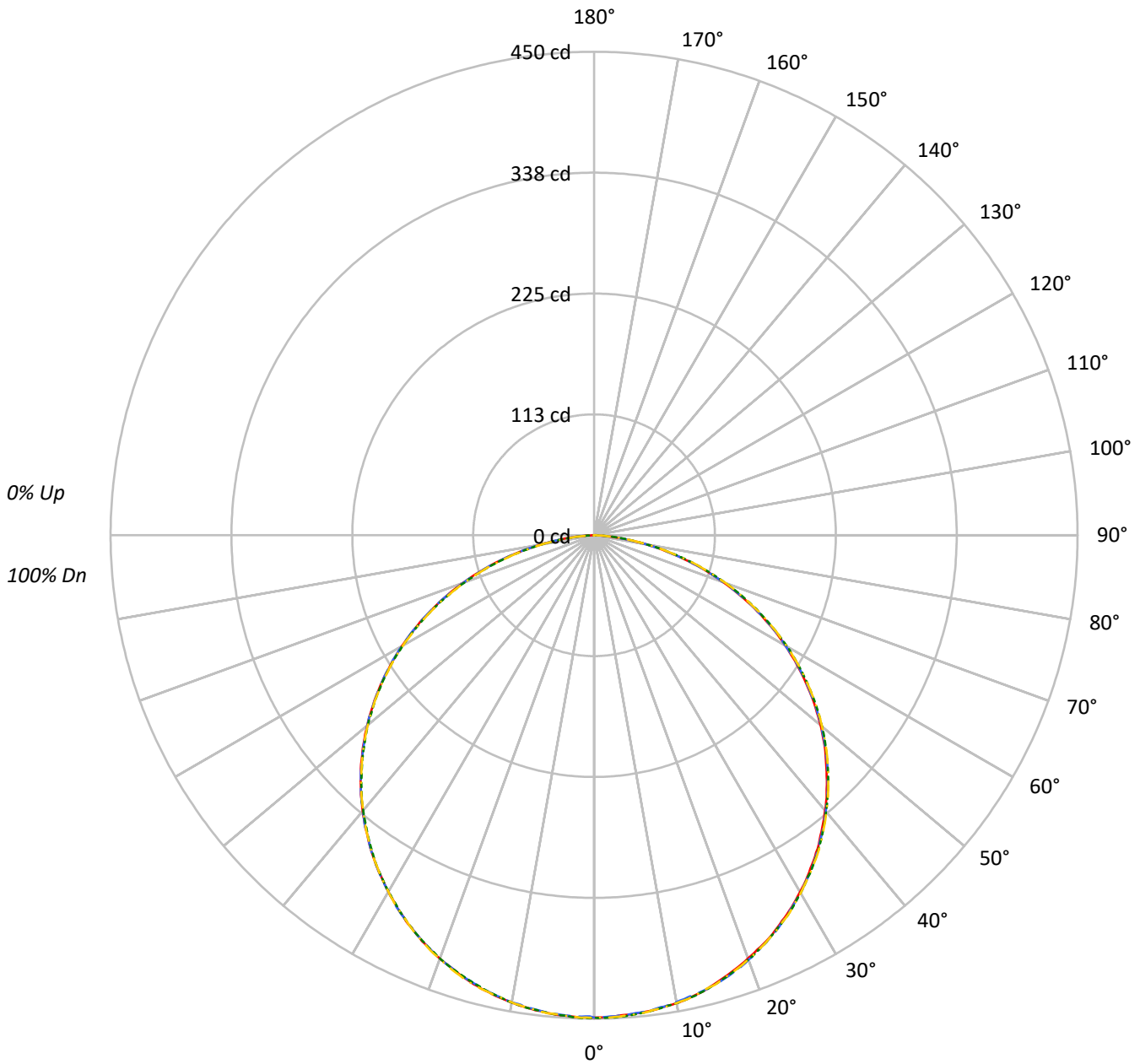
Lumens per Lamp: N/A
 Luminaire Lumens: 1311.9 lumens
 Efficiency: N/A
 Efficacy: 89.9 lumens/watt
 Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
 Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
 CIE Type: Direct

Input Watts (W): 14.6
 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					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	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	100	100	100	100	96	96	96	96	96	96	84
	1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	86	84	84	84	84	84	84	84	84	84	84	84
	2	99	90	83	78	96	88	82	77	85	80	75	82	77	73	79	75	72	72	69	69	69	69	69	69	69	69	69	69	69
	3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	60	58	58	58	58	58	58	58	58	58	58	58
	4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	52	50	50	50	50	50	50	50	50	50	50	50
	5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	45	43	43	43	43	43	43	43	43	43	43	43
	6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	39	37	37	37	37	37	37	37	37	37	37	37
	7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	35	33	33	33	33	33	33	33	33	33	33	33
	8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	31	29	29	29	29	29	29	29	29	29	29	29
	9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	28	26	26	26	26	26	26	26	26	26	26	26
	10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	25	24	24	24	24	24	24	24	24	24	24	24

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3549	3549	3549	3549
5°	3545	3550	3549	3548
10°	3548	3548	3546	3545
15°	3540	3544	3541	3533
20°	3525	3533	3528	3526
25°	3515	3521	3512	3513
30°	3499	3510	3496	3493
35°	3477	3491	3479	3473
40°	3451	3467	3457	3448
45°	3418	3442	3431	3418
50°	3384	3407	3389	3379
55°	3325	3351	3339	3328
60°	3250	3283	3266	3250
65°	3140	3176	3164	3133
70°	2958	3013	3004	2960
75°	2687	2751	2751	2690
80°	2253	2339	2330	2253
85°	1542	1632	1623	1542

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.5	3.2
10°-20°	122.1	9.3
20°-30°	185.9	14.2
30°-40°	225.8	17.2
40°-50°	236.6	18.0
50°-60°	216.3	16.5
60°-70°	166.6	12.7
70°-80°	94.2	7.2
80°-90°	21.9	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°	350.5	26.7
0°-40°	576.3	43.9
0°-60°	1029.2	78.4
0°-90°	1311.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1311.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	449	449	449	449	449	
5°	447	448	447	447	447	43
15°	433	433	433	432	433	122
25°	403	404	403	403	403	186
35°	360	362	361	360	360	225
45°	306	308	307	306	306	236
55°	241	243	242	242	241	216
65°	168	170	169	168	168	166
75°	88	90	90	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°	449.0	449.0	449.0	449.0	449.0	449.0	449.0	449.0	449.0	449.0	449.0
0.5°	448.8	449.6	448.4	448.9	449.3	449.1	449.1	449.1	448.8	449.3	447.9
1°	448.8	449.7	448.6	448.7	449.3	448.9	448.9	448.8	448.9	448.9	448.0
1.5°	448.6	449.2	448.4	448.4	449.3	448.8	449.2	448.5	448.7	449.0	448.1
2°	448.5	449.1	448.2	448.5	449.1	448.6	449.0	448.4	448.8	449.1	448.0
2.5°	448.3	449.1	448.2	448.1	449.2	448.7	448.8	448.3	448.4	449.0	447.9
3°	447.7	448.9	447.7	447.9	448.7	448.4	448.6	448.3	448.2	448.6	447.8
3.5°	447.5	448.4	447.8	447.8	448.6	448.1	448.2	448.1	448.0	448.5	447.6
4°	447.4	448.1	447.3	447.3	448.5	448.0	448.0	448.0	447.8	448.1	447.5
4.5°	447.2	447.9	447.0	447.1	447.9	447.7	447.7	447.5	447.7	448.3	446.9
5°	446.8	447.6	446.4	447.0	447.5	447.4	447.6	447.1	447.3	447.7	446.8
5.5°	446.6	447.1	446.3	446.5	447.1	447.0	447.4	446.5	446.8	447.2	446.4
6°	446.3	446.7	445.9	446.2	446.8	446.3	446.8	446.2	446.3	446.6	446.0
6.5°	446.0	446.5	445.4	445.7	446.3	445.6	446.3	445.9	445.7	446.1	445.4
7°	445.5	446.0	445.0	445.3	445.7	445.4	445.4	445.2	445.5	445.5	444.8
7.5°	445.0	445.3	444.2	444.6	445.1	444.8	445.0	444.6	444.9	445.2	444.3
8°	444.2	444.7	443.7	444.1	444.5	444.1	444.5	444.1	444.4	444.6	443.6
8.5°	443.7	444.2	443.6	443.4	443.9	443.7	444.0	443.2	443.7	443.7	442.8
9°	443.3	443.7	442.8	442.8	443.3	443.0	443.6	442.6	443.1	443.3	442.3
9.5°	442.7	442.8	442.1	442.2	442.7	442.1	442.7	442.0	442.3	442.8	441.8
10°	442.1	441.8	441.3	441.6	442.1	441.8	442.1	441.4	441.8	442.1	441.4
10.5°	441.6	441.3	440.4	440.8	441.8	441.0	441.3	440.6	440.8	441.2	440.5
11°	440.8	440.3	439.9	440.2	440.9	440.3	440.8	439.7	440.1	440.7	439.5
11.5°	440.0	439.7	438.9	439.2	440.1	439.8	440.3	438.9	439.2	439.5	438.8
12°	439.1	439.2	438.1	438.7	439.2	438.8	439.0	437.9	438.5	438.5	438.0
12.5°	438.2	438.4	437.6	437.7	438.5	438.3	438.1	437.1	437.6	437.6	437.0
13°	437.4	437.6	436.7	436.9	437.4	437.2	437.2	436.4	436.5	436.7	436.0
13.5°	436.4	436.7	436.0	435.6	436.6	435.9	435.7	435.2	435.8	436.0	435.1
14°	435.2	435.6	435.0	434.6	435.5	435.1	434.8	434.0	434.9	434.9	433.8
14.5°	433.8	434.5	434.0	433.5	434.2	434.0	434.1	433.0	433.4	434.0	432.6
15°	432.6	433.6	433.2	432.7	433.1	433.2	433.3	431.5	432.7	433.0	431.8
15.5°	431.2	432.4	432.3	431.2	432.0	432.0	432.0	430.5	431.3	431.9	430.6
16°	430.0	430.9	431.1	430.0	430.6	430.6	430.5	429.8	430.0	430.5	429.7
16.5°	428.7	429.4	429.9	429.0	429.6	429.4	429.2	428.7	428.8	429.2	428.6
17°	427.5	428.1	428.8	427.6	428.2	428.1	428.1	427.6	427.6	427.7	427.5
17.5°	426.1	426.7	427.6	426.0	426.8	426.7	427.0	426.2	426.0	426.6	426.2
18°	424.9	425.2	426.3	424.9	425.6	425.6	425.7	424.8	424.6	425.1	424.7
18.5°	423.5	423.9	425.2	423.7	424.4	424.1	424.3	423.8	423.3	423.9	423.3
19°	422.0	422.4	423.6	422.3	422.8	423.0	423.0	422.5	422.0	422.5	422.1
19.5°	420.6	420.9	422.2	420.6	421.4	421.7	421.6	420.9	421.0	421.2	421.0
20°	419.1	419.6	420.5	419.3	420.1	420.3	420.2	419.6	419.4	419.7	419.4
20.5°	417.8	418.5	419.2	417.7	418.9	419.1	418.8	418.1	418.1	418.1	418.1
21°	416.3	416.6	417.8	416.5	417.4	417.3	417.3	416.8	416.5	416.7	416.4
21.5°	414.6	415.1	416.1	414.7	415.7	415.5	415.4	415.2	414.8	415.1	414.7
22°	413.2	413.6	413.8	413.3	414.1	413.7	414.0	414.0	413.4	413.4	413.1

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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°	411.7	412.2	412.7	411.8	412.6	412.0	412.5	412.1	411.6	411.6	411.3
23°	410.2	410.6	411.0	410.0	411.0	410.4	410.8	410.3	410.2	409.9	409.4
23.5°	408.7	409.0	409.4	408.4	409.3	408.9	409.2	408.5	408.1	408.2	408.1
24°	407.1	407.3	407.4	406.8	407.5	407.4	407.6	406.9	406.5	406.8	406.3
24.5°	405.2	405.5	405.9	405.0	405.9	405.8	406.1	405.4	404.7	405.4	404.7
25°	403.1	403.9	404.2	403.1	403.8	404.0	404.2	403.6	402.7	403.2	402.8
25.5°	401.4	402.2	402.2	401.3	402.2	402.2	402.2	401.5	401.3	401.3	401.3
26°	399.2	400.1	400.2	399.2	400.4	400.4	400.5	399.7	399.4	399.9	399.5
26.5°	397.6	398.2	398.5	397.5	398.8	398.4	398.6	397.5	397.3	397.7	397.3
27°	395.8	396.5	396.3	395.9	397.0	396.5	397.0	396.0	395.4	395.7	395.7
27.5°	393.8	394.4	394.4	393.9	394.8	394.4	395.1	394.1	393.7	393.9	393.5
28°	391.8	392.3	392.4	391.9	392.9	392.7	392.8	392.0	391.5	392.2	391.8
28.5°	389.7	390.2	390.2	390.4	391.0	390.6	390.8	390.2	389.3	390.2	389.7
29°	387.6	388.3	388.5	388.1	388.6	388.4	388.6	388.1	387.1	388.2	387.3
29.5°	385.5	386.1	386.3	386.2	386.6	386.4	386.8	385.9	385.3	386.3	385.1
30°	383.4	383.9	384.1	384.0	384.6	384.5	384.7	383.9	383.1	383.8	382.9
30.5°	381.3	381.9	382.2	382.2	382.4	382.4	382.4	381.9	381.0	381.6	380.9
31°	379.3	379.6	379.7	380.2	380.1	380.3	380.0	379.7	378.7	379.6	378.9
31.5°	377.0	377.5	377.7	377.9	377.8	378.0	377.9	377.3	376.4	377.2	376.6
32°	374.6	375.4	375.5	375.5	375.4	375.8	375.8	375.0	374.2	374.9	374.5
32.5°	372.4	373.2	373.4	373.6	373.6	373.6	373.8	373.1	372.3	373.0	372.1
33°	369.8	370.8	370.8	371.2	371.3	371.2	371.4	370.7	370.0	370.8	370.0
33.5°	367.6	368.6	368.8	368.9	369.0	368.6	369.2	368.4	367.7	368.6	367.6
34°	365.3	366.4	366.4	366.6	366.6	366.4	367.0	365.8	365.2	365.9	365.3
34.5°	363.0	363.7	363.9	364.2	364.3	364.2	364.8	363.3	363.0	363.4	363.2
35°	360.4	360.8	361.4	361.7	361.8	361.9	362.5	361.3	360.6	360.9	360.6
35.5°	358.2	358.5	358.9	359.0	359.6	359.6	360.0	358.7	358.4	358.4	358.1
36°	355.7	356.1	356.2	356.7	357.0	356.8	357.6	356.1	355.7	355.9	355.7
36.5°	353.0	353.9	353.8	354.2	354.5	354.2	355.1	353.6	353.1	353.3	352.8
37°	350.2	351.1	351.4	351.7	352.0	351.9	352.5	350.7	350.3	350.9	350.5
37.5°	347.7	348.8	349.1	349.2	349.2	349.2	349.7	348.5	347.8	348.3	348.1
38°	345.1	346.3	346.4	346.4	346.8	346.5	346.9	346.0	345.6	345.9	345.6
38.5°	342.5	343.5	343.6	343.7	344.0	343.7	344.4	343.4	343.0	343.2	343.1
39°	339.9	341.0	340.9	341.1	341.5	341.2	341.8	340.6	340.4	340.5	340.2
39.5°	337.2	338.2	338.2	338.1	338.8	339.0	338.9	338.0	337.9	337.8	337.5
40°	334.5	335.2	335.5	335.5	336.0	336.4	336.2	335.7	335.1	335.2	335.0
40.5°	331.9	332.7	332.8	332.6	333.2	333.7	333.8	333.0	332.3	332.5	332.2
41°	329.0	330.0	330.1	329.9	330.7	330.9	330.9	330.2	329.4	329.8	329.5
41.5°	326.5	327.1	327.4	327.0	327.9	328.4	328.4	327.5	327.0	327.0	326.9
42°	323.5	324.2	324.6	324.2	324.8	325.4	325.3	324.8	324.4	324.0	324.0
42.5°	320.5	321.4	321.9	321.3	322.1	322.6	322.4	321.9	321.5	321.1	321.2
43°	317.7	318.5	319.1	318.5	319.4	319.6	319.5	319.0	318.5	318.2	318.4
43.5°	314.7	315.7	316.0	315.6	316.6	316.6	316.7	316.1	315.7	315.3	315.4
44°	311.7	312.7	313.1	312.8	313.6	313.7	313.8	313.3	312.7	312.4	312.5
44.5°	308.9	309.7	310.1	309.7	310.7	310.9	310.9	310.3	309.8	309.5	309.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	305.8	306.8	307.3	306.8	307.9	308.0	307.8	307.4	307.0	306.7	306.4
45.5°	302.6	303.7	304.4	303.8	305.0	305.1	304.7	304.5	304.0	303.7	303.3
46°	299.7	301.1	301.2	301.0	301.9	301.9	301.8	301.4	300.8	300.5	300.4
46.5°	297.0	297.9	298.1	298.0	298.8	298.9	299.0	298.3	297.7	297.8	297.3
47°	294.1	294.8	295.0	294.9	295.7	295.8	295.9	295.1	294.8	294.6	294.2
47.5°	291.1	291.9	291.8	291.7	292.6	292.9	292.7	292.0	291.7	291.4	291.0
48°	287.8	288.7	288.5	288.6	289.5	289.9	289.6	289.0	288.4	288.5	287.8
48.5°	284.6	285.5	285.5	285.3	286.5	286.5	286.5	285.9	285.2	285.3	284.9
49°	281.4	282.4	282.2	282.2	283.5	283.4	283.3	282.7	282.2	282.2	281.7
49.5°	278.3	279.2	279.1	278.9	280.3	280.0	280.1	279.7	278.9	279.2	278.5
50°	275.2	275.9	275.9	275.7	277.1	277.1	276.9	276.3	275.6	275.9	275.5
50.5°	271.6	272.7	272.7	272.5	273.8	273.7	273.7	273.2	272.5	272.6	272.3
51°	268.4	269.3	269.3	269.2	270.4	270.4	270.6	269.8	269.2	269.4	269.2
51.5°	265.1	266.1	266.1	266.0	267.1	267.0	267.3	266.5	265.9	266.1	265.6
52°	261.9	262.9	262.7	262.7	263.7	263.9	264.0	263.1	262.3	262.7	262.3
52.5°	258.5	259.4	259.4	259.4	260.5	260.7	260.5	259.8	259.1	259.6	259.0
53°	255.1	256.1	255.9	255.8	257.0	257.2	257.0	256.4	256.0	256.2	255.8
53.5°	251.6	252.6	252.5	252.3	253.5	253.7	253.5	253.3	252.6	253.1	252.3
54°	248.2	248.9	249.0	248.8	250.1	250.2	250.1	249.9	249.1	249.5	249.1
54.5°	244.5	245.4	245.7	245.5	246.8	246.8	246.7	246.2	245.6	245.9	245.8
55°	241.3	242.1	241.8	242.2	243.2	243.4	243.4	242.9	242.3	242.5	242.4
55.5°	238.0	238.6	238.5	238.6	239.7	240.1	239.6	239.2	238.8	239.3	238.9
56°	234.5	235.2	235.0	235.2	236.3	236.6	236.6	235.9	235.5	235.7	235.4
56.5°	231.0	231.6	231.6	231.7	232.8	233.1	233.1	232.3	231.8	232.2	231.8
57°	227.2	227.9	228.0	228.3	229.3	229.6	229.4	228.9	228.1	228.6	228.3
57.5°	223.5	224.2	224.4	224.6	225.7	225.8	225.9	225.2	224.7	225.1	224.9
58°	220.1	220.6	220.8	220.8	222.0	222.4	222.0	221.8	221.1	221.3	221.5
58.5°	216.4	217.2	217.2	217.2	218.5	218.9	218.1	218.1	217.6	217.7	217.8
59°	212.7	213.6	213.3	213.4	215.0	215.0	214.7	214.5	214.0	214.3	214.1
59.5°	209.1	209.7	209.6	209.7	211.4	211.2	211.1	210.8	210.2	210.7	210.5
60°	205.6	206.0	205.8	206.0	207.7	207.6	207.4	207.4	206.6	206.9	206.8
60.5°	202.2	202.3	202.2	202.1	203.9	203.9	203.5	203.5	202.6	203.2	203.1
61°	198.1	198.4	198.5	198.3	200.1	200.4	199.8	200.0	199.2	199.4	199.3
61.5°	194.5	194.8	195.0	194.5	196.3	196.7	196.1	196.2	195.6	195.9	195.5
62°	190.7	191.0	191.3	191.0	192.7	192.9	192.7	192.5	191.9	192.2	192.1
62.5°	187.0	187.1	187.5	187.1	188.7	189.0	188.8	188.7	188.1	188.4	188.2
63°	183.0	183.2	183.7	183.4	184.9	185.4	185.1	185.0	184.3	184.5	184.3
63.5°	179.3	179.6	179.8	179.6	181.1	181.6	181.3	181.3	180.7	180.7	180.6
64°	175.4	175.8	175.9	175.8	177.4	177.8	177.5	177.3	176.9	177.0	176.7
64.5°	171.7	172.1	172.2	171.9	173.6	173.7	173.5	173.3	173.0	173.0	172.9
65°	167.9	168.3	168.2	168.2	169.8	170.2	169.9	169.6	169.2	169.4	169.2
65.5°	164.0	164.2	164.3	164.0	166.2	166.0	165.8	165.6	165.2	165.6	165.5
66°	160.1	160.3	160.3	160.0	162.2	162.1	161.6	161.6	161.3	161.7	161.5
66.5°	156.0	156.4	156.2	156.2	158.1	158.1	157.9	157.7	157.5	157.9	157.5
67°	151.9	152.3	152.3	152.3	154.1	154.3	154.1	153.9	153.6	153.8	153.8

TEST NUMBER: P869681
 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	148.1	148.5	148.4	148.3	150.1	150.4	150.0	149.9	149.7	150.0	149.7
68°	144.1	144.5	144.4	144.5	146.3	146.6	146.2	146.0	146.1	146.0	145.8
68.5°	140.2	140.5	140.5	140.4	142.4	142.6	142.2	142.1	142.2	142.2	141.8
69°	136.3	136.5	136.5	136.3	138.6	138.7	138.3	138.1	138.1	138.0	137.6
69.5°	132.1	132.4	132.5	132.3	134.4	134.6	134.3	134.0	134.1	134.1	133.8
70°	128.0	128.5	128.4	128.3	130.4	130.6	130.2	129.9	130.0	130.2	129.7
70.5°	124.1	124.4	124.1	124.3	126.5	126.7	126.2	126.1	126.2	126.1	125.8
71°	120.1	120.3	120.1	120.2	122.4	122.7	122.0	122.2	122.1	122.1	121.9
71.5°	116.2	116.4	116.2	116.1	118.4	118.5	118.2	118.1	118.2	118.0	117.8
72°	112.2	112.3	112.1	112.0	114.3	114.5	114.2	114.2	114.3	114.0	113.8
72.5°	108.0	108.4	108.3	107.9	110.3	110.5	110.3	110.1	110.2	110.0	109.8
73°	104.1	104.4	104.2	104.1	106.3	106.5	106.3	106.2	106.2	106.0	105.8
73.5°	100.1	100.4	100.1	100.1	102.4	102.6	102.5	102.3	102.2	102.1	102.0
74°	96.0	96.2	96.2	96.1	98.4	98.7	98.6	98.2	98.3	98.0	97.9
74.5°	92.1	92.4	92.1	92.2	94.3	94.6	94.3	94.2	94.2	94.2	94.0
75°	88.0	88.3	88.2	88.0	90.1	90.4	90.4	90.2	90.1	90.1	90.1
75.5°	84.1	84.2	84.1	84.0	86.1	86.5	86.2	86.2	86.2	86.2	86.1
76°	80.1	80.2	80.1	80.2	82.1	82.5	82.1	82.2	82.2	82.1	82.1
76.5°	76.1	76.3	76.3	76.1	78.3	78.4	78.2	78.3	78.3	78.2	78.3
77°	72.2	72.3	72.1	72.2	74.3	74.6	74.4	74.3	74.3	74.4	74.4
77.5°	68.3	68.5	68.4	68.4	70.3	70.6	70.4	70.5	70.4	70.5	70.5
78°	64.4	64.6	64.4	64.5	66.5	66.6	66.5	66.4	66.3	66.6	66.5
78.5°	60.7	60.8	60.6	60.7	62.8	62.8	62.8	62.6	62.4	62.7	62.7
79°	56.9	57.0	56.8	57.1	59.1	59.1	59.0	58.9	58.7	59.0	58.9
79.5°	53.1	53.3	53.2	53.3	55.3	55.3	55.1	55.1	55.0	55.2	55.2
80°	49.5	49.5	49.5	49.4	51.4	51.5	51.3	51.3	51.2	51.5	51.4
80.5°	45.8	45.8	45.8	45.7	47.7	48.0	47.7	47.7	47.6	47.8	47.8
81°	42.2	42.3	42.2	41.9	44.0	44.3	44.2	44.0	44.0	44.2	44.3
81.5°	38.7	38.8	38.7	38.5	40.5	40.6	40.5	40.4	40.4	40.6	40.7
82°	35.4	35.4	35.3	35.0	37.0	37.1	37.0	36.8	36.8	37.0	37.2
82.5°	32.0	32.1	31.9	31.7	33.7	33.8	33.7	33.6	33.5	33.7	34.0
83°	28.7	28.8	28.6	28.3	30.3	30.4	30.4	30.2	30.2	30.4	30.7
83.5°	25.5	25.6	25.4	25.3	26.9	27.1	27.0	27.0	27.0	27.1	27.4
84°	22.5	22.6	22.4	22.2	23.8	23.9	23.9	23.8	23.7	23.9	24.2
84.5°	19.7	19.7	19.6	19.4	20.9	21.1	20.9	20.8	20.8	20.9	21.2
85°	17.0	16.9	16.9	16.6	18.0	18.1	18.0	17.9	17.9	18.0	18.2
85.5°	14.4	14.4	14.4	14.2	15.2	15.3	15.2	15.2	15.2	15.3	15.5
86°	12.0	12.0	12.0	11.8	13.0	13.0	13.0	12.9	12.9	13.1	13.2
86.5°	9.7	9.8	9.7	9.6	10.8	10.8	10.9	10.7	10.7	10.9	11.0
87°	7.6	7.6	7.6	7.4	8.6	8.7	8.7	8.6	8.6	8.7	8.8
87.5°	5.5	5.5	5.5	5.3	6.6	6.6	6.6	6.5	6.5	6.7	6.8
88°	3.9	3.9	3.9	3.7	4.8	4.8	4.8	4.8	4.8	4.9	5.0
88.5°	2.6	2.6	2.6	2.5	3.2	3.4	3.2	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: P869681
CATALOG NUMBER: SMX14SLSFSD2W-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: P869681
 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	449.0	449.0	449.0	449.0	449.0	449.0
0.5°	448.6	449.6	449.2	449.0	448.9	448.8
1°	448.5	449.5	449.6	448.8	448.6	448.8
1.5°	448.7	449.6	449.3	449.1	448.3	448.6
2°	448.3	449.2	448.9	448.8	448.4	448.5
2.5°	448.4	448.9	448.7	448.4	448.7	448.3
3°	448.2	448.4	448.3	448.3	448.4	447.7
3.5°	447.8	448.0	448.3	447.8	448.3	447.5
4°	447.7	447.8	448.2	447.4	447.8	447.4
4.5°	447.3	447.4	447.6	447.2	447.6	447.2
5°	446.6	447.2	447.0	447.0	447.0	446.8
5.5°	446.1	446.7	446.7	447.1	446.7	446.6
6°	445.5	446.2	446.0	446.5	446.3	446.3
6.5°	445.3	445.6	445.5	446.1	445.5	446.0
7°	444.8	445.1	445.0	445.4	445.0	445.5
7.5°	444.7	444.8	444.6	444.7	444.8	445.0
8°	443.8	444.4	443.7	444.2	444.0	444.2
8.5°	443.1	443.8	443.5	443.7	443.2	443.7
9°	442.4	443.0	442.9	442.8	442.7	443.3
9.5°	441.5	442.5	442.0	442.2	442.0	442.7
10°	441.1	441.7	441.1	441.4	441.5	442.1
10.5°	440.2	440.8	440.6	440.7	441.1	441.6
11°	439.4	439.7	440.0	439.8	440.1	440.8
11.5°	438.6	438.8	439.4	438.7	439.4	440.0
12°	437.7	438.0	438.5	438.0	438.6	439.1
12.5°	436.9	437.1	437.6	437.5	438.3	438.2
13°	436.2	436.2	436.7	436.5	437.1	437.4
13.5°	435.2	435.1	435.5	435.7	436.1	436.4
14°	434.2	433.8	434.2	435.1	435.1	435.2
14.5°	432.9	432.7	432.9	433.9	433.8	433.8
15°	432.0	431.8	431.7	433.0	432.6	432.6
15.5°	430.8	430.6	430.6	432.1	431.4	431.2
16°	429.7	429.5	429.3	431.1	429.8	430.0
16.5°	428.5	428.3	428.3	429.9	428.7	428.7
17°	427.2	427.1	427.1	428.4	427.5	427.5
17.5°	425.9	425.9	425.6	427.0	425.9	426.1
18°	424.6	424.7	424.5	425.8	424.8	424.9
18.5°	423.4	423.4	423.2	424.2	423.2	423.5
19°	422.1	422.1	421.9	422.8	421.6	422.0
19.5°	420.5	420.7	420.8	421.2	420.3	420.6
20°	419.2	419.2	419.7	419.7	419.0	419.1
20.5°	417.6	417.7	418.3	418.3	417.8	417.8
21°	416.1	416.0	416.7	416.9	416.3	416.3
21.5°	414.5	414.5	415.4	415.3	415.1	414.6
22°	413.1	413.1	414.1	413.6	413.4	413.2

TEST NUMBER: P869681
 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	411.2	411.3	412.3	411.9	411.8	411.7
23°	409.8	409.8	410.4	410.1	410.1	410.2
23.5°	408.3	408.0	409.1	408.5	408.5	408.7
24°	406.6	406.3	407.5	406.5	406.5	407.1
24.5°	404.8	404.5	405.1	405.0	404.8	405.2
25°	402.8	402.8	403.4	402.9	402.8	403.1
25.5°	401.0	401.0	401.5	401.2	401.0	401.4
26°	398.9	399.1	399.3	399.1	399.0	399.2
26.5°	397.0	397.1	397.5	397.0	397.0	397.6
27°	395.2	395.2	395.7	395.2	395.2	395.8
27.5°	393.5	393.2	393.8	393.2	393.2	393.8
28°	391.4	391.0	391.9	391.2	391.1	391.8
28.5°	389.5	388.9	389.9	389.5	389.4	389.7
29°	387.3	387.0	388.0	387.3	387.1	387.6
29.5°	385.2	384.7	386.1	385.3	385.0	385.5
30°	383.0	382.7	383.9	383.1	382.7	383.4
30.5°	380.8	380.8	381.7	380.6	380.5	381.3
31°	378.5	378.5	379.1	378.6	378.4	379.3
31.5°	376.4	376.3	376.6	376.5	376.2	377.0
32°	374.2	374.3	374.3	374.1	373.8	374.6
32.5°	372.2	371.8	372.2	372.2	371.7	372.4
33°	369.9	369.9	369.8	369.8	369.4	369.8
33.5°	367.6	367.5	367.8	367.4	367.2	367.6
34°	365.1	365.0	365.1	365.3	364.6	365.3
34.5°	362.9	362.4	362.8	363.0	362.3	363.0
35°	360.6	359.9	360.1	360.6	360.0	360.4
35.5°	358.2	357.3	357.7	358.1	357.6	358.2
36°	355.6	355.0	355.2	355.5	355.0	355.7
36.5°	353.1	352.5	352.6	352.9	352.7	353.0
37°	350.5	350.0	350.1	350.3	350.2	350.2
37.5°	348.1	347.2	347.5	347.9	347.7	347.7
38°	345.6	344.5	344.9	345.3	345.3	345.1
38.5°	343.1	341.8	342.5	342.3	342.5	342.5
39°	340.5	339.4	339.9	339.8	339.8	339.9
39.5°	337.8	336.8	337.3	337.1	337.1	337.2
40°	335.0	334.2	334.6	334.5	334.3	334.5
40.5°	332.1	331.6	331.8	331.7	331.8	331.9
41°	329.4	329.3	329.2	329.1	329.0	329.0
41.5°	326.6	326.3	326.5	326.5	326.7	326.5
42°	323.8	323.4	323.6	323.7	324.0	323.5
42.5°	321.0	320.4	320.9	320.8	320.7	320.5
43°	318.1	317.6	317.8	317.9	317.7	317.7
43.5°	315.5	314.6	315.2	314.9	314.8	314.7
44°	312.5	311.5	312.4	311.9	311.8	311.7
44.5°	309.7	308.8	309.2	308.9	309.3	308.9

TEST NUMBER: P869681
 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	306.6	305.8	306.3	306.0	306.1	305.8
45.5°	303.8	302.7	303.2	303.0	302.8	302.6
46°	300.7	299.8	300.2	300.1	299.7	299.7
46.5°	297.5	296.6	297.4	297.0	296.6	297.0
47°	294.4	293.3	294.4	294.0	293.8	294.1
47.5°	291.3	290.2	291.3	290.8	291.0	291.1
48°	288.2	287.2	288.1	287.6	288.0	287.8
48.5°	285.3	284.2	284.9	284.5	284.8	284.6
49°	281.8	281.1	281.7	281.2	281.1	281.4
49.5°	278.7	277.9	278.6	278.1	277.9	278.3
50°	275.6	274.8	275.3	274.9	275.0	275.2
50.5°	272.4	271.5	272.0	271.6	271.6	271.6
51°	269.3	268.2	268.7	268.4	268.1	268.4
51.5°	265.9	264.7	265.2	265.1	264.7	265.1
52°	262.7	261.5	262.0	261.8	261.4	261.9
52.5°	259.1	258.0	258.7	258.6	258.1	258.5
53°	255.9	254.8	255.1	255.2	254.8	255.1
53.5°	252.6	251.5	251.9	251.8	251.4	251.6
54°	249.3	248.1	248.1	248.2	248.2	248.2
54.5°	245.8	244.6	244.9	244.5	244.5	244.5
55°	242.4	241.5	241.5	241.0	241.1	241.3
55.5°	238.9	238.0	238.1	237.5	237.7	238.0
56°	235.8	234.4	234.6	233.9	234.2	234.5
56.5°	232.1	230.9	231.0	230.6	230.8	231.0
57°	228.5	227.2	227.5	227.0	227.2	227.2
57.5°	224.9	223.7	223.9	223.5	223.5	223.5
58°	221.5	220.1	220.1	220.3	219.9	220.1
58.5°	217.8	216.5	216.5	216.7	216.6	216.4
59°	214.3	212.8	212.8	213.0	213.0	212.7
59.5°	210.4	209.2	209.1	209.2	209.3	209.1
60°	206.6	205.6	205.5	205.5	205.5	205.6
60.5°	203.1	201.9	201.8	201.7	201.6	202.2
61°	199.6	198.1	198.3	197.8	197.9	198.1
61.5°	195.9	194.3	194.7	194.0	194.3	194.5
62°	192.0	190.8	190.9	190.3	190.4	190.7
62.5°	188.3	186.9	187.1	186.6	186.5	187.0
63°	184.5	183.0	183.1	183.0	182.7	183.0
63.5°	180.6	179.2	179.5	179.0	178.8	179.3
64°	177.0	175.3	175.5	175.1	175.1	175.4
64.5°	172.9	171.5	171.8	171.5	171.3	171.7
65°	169.3	167.5	167.8	167.5	167.4	167.9
65.5°	165.4	163.7	163.8	163.6	163.7	164.0
66°	161.3	159.7	159.8	159.8	159.8	160.1
66.5°	157.4	155.8	155.9	155.8	156.1	156.0
67°	153.8	151.7	152.0	151.8	152.4	151.9

TEST NUMBER: P869681
 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	149.7	147.8	148.4	148.0	148.4	148.1
68°	145.8	143.9	144.3	143.9	144.0	144.1
68.5°	141.8	140.3	140.3	140.1	140.1	140.2
69°	137.8	136.3	136.5	136.3	136.3	136.3
69.5°	133.8	132.2	132.5	132.2	132.3	132.1
70°	129.8	128.1	128.4	128.2	128.3	128.0
70.5°	126.1	124.2	124.4	124.3	124.4	124.1
71°	122.2	119.9	120.2	120.3	120.3	120.1
71.5°	118.1	116.1	116.3	116.1	116.1	116.2
72°	114.0	112.1	112.1	112.1	112.0	112.2
72.5°	110.1	108.2	108.2	108.2	107.8	108.0
73°	106.3	104.1	104.5	104.2	103.9	104.1
73.5°	102.3	100.1	100.5	100.2	100.1	100.1
74°	98.4	96.1	96.4	96.0	96.0	96.0
74.5°	94.3	92.2	92.3	92.1	91.9	92.1
75°	90.4	88.1	88.2	88.0	87.8	88.0
75.5°	86.3	84.2	84.3	83.9	83.8	84.1
76°	82.4	80.2	80.2	80.0	80.0	80.1
76.5°	78.5	76.1	76.3	76.2	76.0	76.1
77°	74.5	72.3	72.3	72.1	72.1	72.2
77.5°	70.6	68.6	68.4	68.3	68.4	68.3
78°	66.6	64.7	64.4	64.5	64.5	64.4
78.5°	62.8	60.9	60.7	60.7	60.7	60.7
79°	59.0	57.2	56.9	56.9	57.1	56.9
79.5°	55.3	53.3	53.3	53.2	53.4	53.1
80°	51.5	49.5	49.5	49.4	49.6	49.5
80.5°	48.0	45.9	45.9	45.9	45.8	45.8
81°	44.3	42.3	42.4	42.4	42.2	42.2
81.5°	40.7	38.8	38.9	39.0	38.7	38.7
82°	37.2	35.4	35.5	35.5	35.3	35.4
82.5°	34.0	32.1	32.2	32.1	31.9	32.0
83°	30.7	28.9	28.9	28.9	28.6	28.7
83.5°	27.4	25.7	25.7	25.7	25.4	25.5
84°	24.2	22.7	22.7	22.7	22.5	22.5
84.5°	21.2	19.8	19.8	19.8	19.7	19.7
85°	18.3	17.0	17.1	17.0	17.0	17.0
85.5°	15.5	14.5	14.6	14.5	14.5	14.4
86°	13.3	12.1	12.2	12.2	12.1	12.0
86.5°	11.0	9.8	10.0	9.8	9.8	9.7
87°	8.9	7.7	7.8	7.7	7.7	7.6
87.5°	6.9	5.5	5.7	5.7	5.6	5.5
88°	5.0	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: P869681
CATALOG NUMBER: SMX14SLSFSD2W-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)