

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: P869682

Luminaire Tested: **SMX14SLSFSD2W-1300LM-3000K**

Issue Date: 8/29/2024

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P869682
 Test Lab:
 Issue Date: 8/29/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: SMX14SLSFSD2W-1300LM-3000K
 Description: 14IN SQUARE, 90CRI, DIMMING TO 10%, DAMP LOCATION
 Light Source: SELECTABLE CCT 90CRI / 3000K CCT
 Ballast/Driver: -

Summary

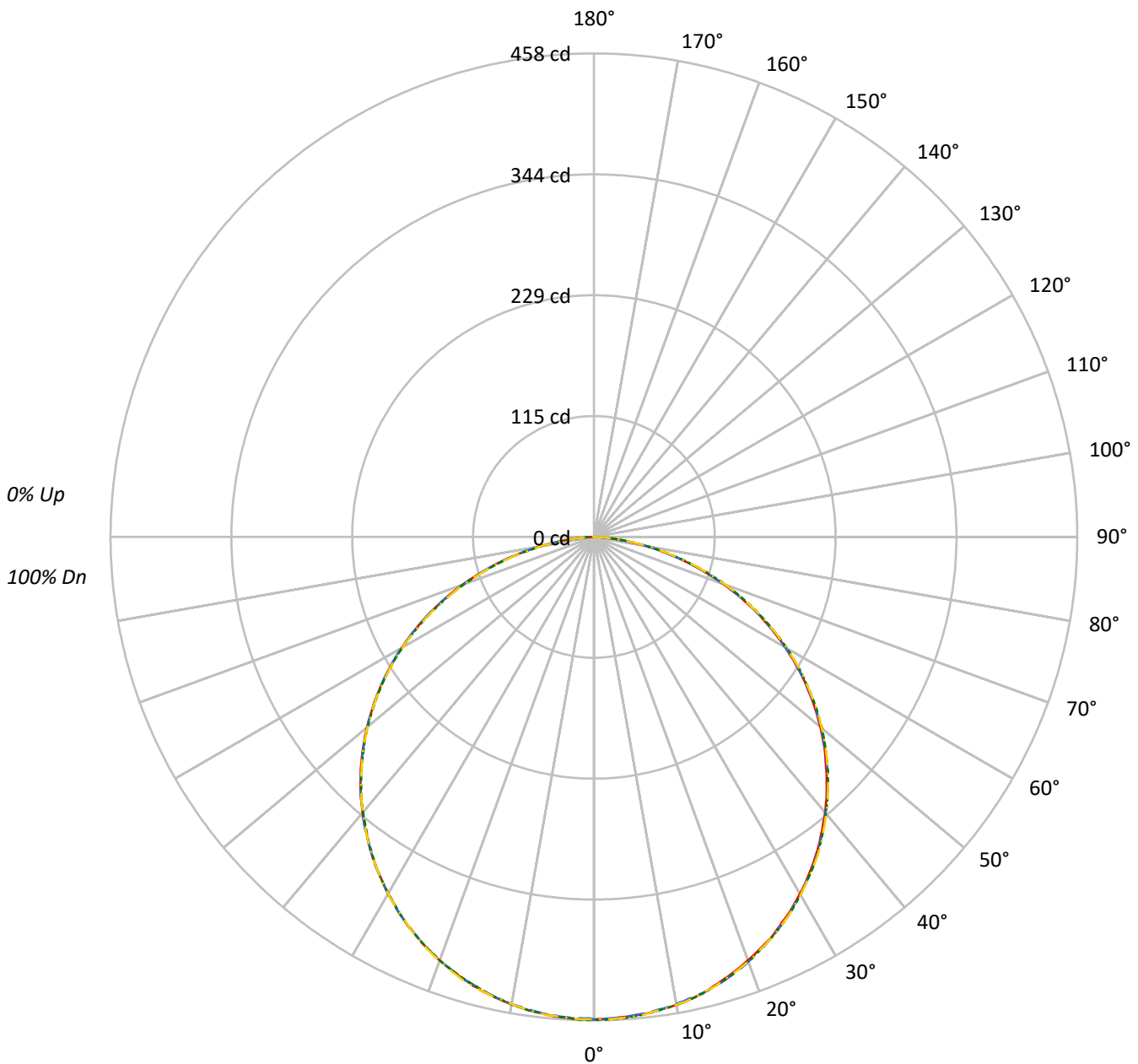
Lumens per Lamp: N/A
 Luminaire Lumens: 1335.7 lumens
 Efficiency: N/A
 Efficacy: 91.5 lumens/watt
 Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
 Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
 CIE Type: Direct

Input Watts (W): 14.6
 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				
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°	3613	3613	3613	3613
5°	3609	3615	3613	3611
10°	3612	3612	3610	3609
15°	3604	3608	3604	3597
20°	3589	3597	3591	3590
25°	3579	3585	3575	3576
30°	3563	3574	3560	3556
35°	3540	3555	3543	3535
40°	3513	3529	3519	3510
45°	3480	3504	3494	3480
50°	3445	3469	3450	3439
55°	3386	3412	3399	3387
60°	3310	3342	3324	3308
65°	3198	3234	3222	3191
70°	3011	3067	3060	3016
75°	2736	2800	2803	2739
80°	2294	2385	2371	2294
85°	1569	1660	1650	1569

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 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.3	3.2
10°-20°	124.3	9.3
20°-30°	189.3	14.2
30°-40°	229.9	17.2
40°-50°	240.9	18.0
50°-60°	220.2	16.5
60°-70°	169.6	12.7
70°-80°	95.9	7.2
80°-90°	22.3	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°	356.9	26.7
0°-40°	586.7	43.9
0°-60°	1047.8	78.5
0°-90°	1335.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1335.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	457	457	457	457	457	
5°	455	456	455	455	455	43
15°	440	441	440	440	440	124
25°	410	411	410	410	410	189
35°	367	368	367	366	367	230
45°	311	314	313	311	311	240
55°	246	248	247	246	246	219
65°	171	173	172	171	171	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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 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	457.1	457.1	457.1	457.1	457.1	457.1	457.1	457.1	457.1	457.1	457.1
0.5°	456.9	457.7	456.5	457.0	457.5	457.2	457.2	457.2	457.0	457.5	456.0
1°	456.9	457.8	456.7	456.8	457.5	457.1	457.0	456.9	457.1	457.1	456.1
1.5°	456.7	457.4	456.5	456.6	457.4	456.9	457.3	456.6	456.8	457.1	456.2
2°	456.6	457.2	456.3	456.6	457.2	456.7	457.1	456.5	457.0	457.2	456.1
2.5°	456.4	457.2	456.3	456.2	457.3	456.8	456.9	456.4	456.5	457.1	456.0
3°	455.8	457.0	455.8	456.0	456.8	456.6	456.7	456.4	456.3	456.7	455.9
3.5°	455.6	456.6	455.9	455.9	456.7	456.2	456.3	456.2	456.1	456.6	455.7
4°	455.5	456.2	455.4	455.4	456.6	456.1	456.1	456.1	455.9	456.2	455.6
4.5°	455.2	456.0	455.1	455.2	456.0	455.8	455.8	455.6	455.8	456.4	455.0
5°	454.9	455.7	454.5	455.1	455.6	455.5	455.7	455.2	455.4	455.8	454.9
5.5°	454.7	455.2	454.4	454.6	455.2	455.1	455.5	454.6	454.9	455.3	454.5
6°	454.4	454.7	454.0	454.3	454.9	454.4	454.9	454.3	454.4	454.7	454.1
6.5°	454.1	454.6	453.4	453.8	454.4	453.7	454.4	453.9	453.8	454.2	453.4
7°	453.5	454.1	453.0	453.4	453.8	453.4	453.5	453.3	453.5	453.6	452.9
7.5°	453.0	453.4	452.2	452.6	453.2	452.8	453.0	452.7	452.9	453.3	452.3
8°	452.2	452.7	451.8	452.1	452.6	452.2	452.6	452.2	452.4	452.7	451.7
8.5°	451.8	452.2	451.6	451.4	451.9	451.8	452.0	451.2	451.8	451.8	450.9
9°	451.3	451.7	450.8	450.9	451.3	451.0	451.6	450.6	451.1	451.3	450.3
9.5°	450.7	450.9	450.1	450.2	450.7	450.1	450.7	450.0	450.3	450.9	449.8
10°	450.1	449.8	449.3	449.6	450.1	449.8	450.1	449.4	449.8	450.1	449.4
10.5°	449.6	449.3	448.4	448.8	449.8	449.0	449.3	448.6	448.8	449.2	448.5
11°	448.8	448.3	447.9	448.2	448.9	448.3	448.8	447.7	448.1	448.7	447.5
11.5°	448.0	447.7	446.8	447.2	448.1	447.7	448.2	446.9	447.1	447.5	446.8
12°	447.0	447.1	446.1	446.6	447.2	446.8	446.9	445.8	446.4	446.4	446.0
12.5°	446.1	446.4	445.5	445.6	446.5	446.2	446.0	445.1	445.5	445.5	444.9
13°	445.3	445.5	444.6	444.8	445.3	445.1	445.1	444.3	444.4	444.7	443.9
13.5°	444.3	444.7	443.9	443.5	444.5	443.8	443.6	443.1	443.7	443.9	442.9
14°	443.1	443.5	442.8	442.5	443.3	442.9	442.7	441.9	442.8	442.8	441.7
14.5°	441.7	442.3	441.9	441.3	442.0	441.9	442.0	440.8	441.3	441.9	440.4
15°	440.4	441.4	441.1	440.6	440.9	441.1	441.1	439.4	440.5	440.8	439.6
15.5°	439.0	440.3	440.2	439.0	439.8	439.8	439.9	438.3	439.1	439.7	438.4
16°	437.8	438.7	438.9	437.8	438.4	438.4	438.3	437.6	437.8	438.3	437.5
16.5°	436.4	437.2	437.6	436.8	437.4	437.2	437.0	436.4	436.6	437.0	436.4
17°	435.3	435.9	436.6	435.3	436.0	435.8	435.9	435.3	435.3	435.5	435.2
17.5°	433.8	434.5	435.3	433.7	434.6	434.5	434.7	433.9	433.7	434.3	433.9
18°	432.6	432.9	434.1	432.6	433.3	433.3	433.4	432.5	432.3	432.7	432.4
18.5°	431.2	431.6	432.9	431.4	432.1	431.8	432.0	431.4	430.9	431.6	431.0
19°	429.7	430.0	431.3	429.9	430.5	430.6	430.7	430.1	429.7	430.2	429.8
19.5°	428.2	428.5	429.8	428.2	429.0	429.3	429.2	428.5	428.6	428.8	428.6
20°	426.7	427.2	428.1	426.9	427.7	427.9	427.8	427.2	427.0	427.3	427.0
20.5°	425.3	426.0	426.8	425.3	426.5	426.7	426.4	425.6	425.6	425.7	425.7
21°	423.8	424.1	425.3	424.0	424.9	424.8	424.8	424.4	424.0	424.2	423.9
21.5°	422.1	422.7	423.6	422.2	423.2	423.0	422.9	422.7	422.3	422.6	422.2
22°	420.7	421.1	421.3	420.8	421.6	421.2	421.5	421.5	420.8	420.8	420.6

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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°	419.2	419.6	420.2	419.2	420.0	419.5	419.9	419.6	419.1	419.1	418.7
23°	417.6	418.0	418.4	417.4	418.4	417.9	418.3	417.7	417.6	417.3	416.8
23.5°	416.1	416.4	416.8	415.8	416.7	416.3	416.6	415.9	415.5	415.5	415.5
24°	414.5	414.6	414.8	414.2	414.9	414.8	415.0	414.3	413.8	414.2	413.7
24.5°	412.6	412.8	413.2	412.4	413.2	413.1	413.4	412.7	412.0	412.7	412.1
25°	410.4	411.2	411.5	410.4	411.1	411.3	411.5	410.9	410.0	410.5	410.1
25.5°	408.6	409.4	409.5	408.6	409.5	409.4	409.4	408.8	408.6	408.6	408.5
26°	406.4	407.3	407.5	406.4	407.7	407.6	407.7	406.9	406.7	407.1	406.7
26.5°	404.8	405.5	405.7	404.7	406.0	405.6	405.8	404.7	404.5	404.9	404.5
27°	403.0	403.7	403.5	403.1	404.1	403.6	404.1	403.1	402.6	402.9	402.8
27.5°	401.0	401.6	401.6	401.1	402.0	401.6	402.2	401.2	400.8	401.1	400.6
28°	398.8	399.4	399.5	399.0	400.0	399.8	399.9	399.1	398.6	399.2	398.8
28.5°	396.7	397.3	397.3	397.4	398.1	397.7	397.8	397.3	396.3	397.3	396.7
29°	394.6	395.3	395.5	395.1	395.7	395.4	395.7	395.1	394.1	395.2	394.3
29.5°	392.5	393.1	393.3	393.2	393.6	393.4	393.8	392.9	392.2	393.3	392.1
30°	390.4	390.9	391.1	391.0	391.6	391.4	391.7	390.9	390.1	390.8	389.8
30.5°	388.2	388.8	389.1	389.1	389.3	389.3	389.3	388.8	387.9	388.5	387.8
31°	386.2	386.4	386.5	387.1	386.9	387.2	386.9	386.5	385.6	386.4	385.7
31.5°	383.9	384.4	384.5	384.8	384.6	384.8	384.8	384.2	383.2	384.0	383.5
32°	381.4	382.2	382.3	382.3	382.2	382.6	382.6	381.8	381.0	381.7	381.2
32.5°	379.1	380.0	380.2	380.3	380.3	380.4	380.6	379.8	379.1	379.8	378.9
33°	376.5	377.5	377.5	377.9	378.1	377.9	378.1	377.4	376.7	377.5	376.7
33.5°	374.3	375.3	375.5	375.6	375.7	375.3	375.9	375.0	374.4	375.3	374.3
34°	372.0	373.0	373.0	373.3	373.3	373.0	373.7	372.4	371.8	372.5	371.9
34.5°	369.6	370.2	370.5	370.8	370.9	370.8	371.4	369.9	369.6	370.0	369.7
35°	366.9	367.3	367.9	368.3	368.4	368.4	369.1	367.8	367.2	367.5	367.1
35.5°	364.7	365.0	365.4	365.5	366.1	366.1	366.5	365.2	364.8	364.9	364.6
36°	362.1	362.5	362.7	363.1	363.5	363.3	364.0	362.6	362.2	362.4	362.1
36.5°	359.4	360.3	360.2	360.6	361.0	360.6	361.5	360.0	359.5	359.7	359.2
37°	356.5	357.5	357.8	358.1	358.3	358.3	358.9	357.1	356.7	357.3	356.9
37.5°	354.0	355.1	355.4	355.5	355.6	355.6	356.1	354.8	354.1	354.6	354.4
38°	351.4	352.6	352.6	352.7	353.0	352.8	353.2	352.2	351.8	352.2	351.8
38.5°	348.7	349.7	349.9	349.9	350.3	350.0	350.7	349.6	349.2	349.4	349.3
39°	346.0	347.2	347.1	347.2	347.6	347.3	348.0	346.8	346.6	346.7	346.4
39.5°	343.3	344.3	344.3	344.2	344.9	345.1	345.0	344.2	344.0	343.9	343.6
40°	340.5	341.3	341.5	341.5	342.0	342.5	342.3	341.8	341.1	341.3	341.0
40.5°	337.9	338.7	338.9	338.6	339.2	339.7	339.8	339.0	338.3	338.5	338.2
41°	335.0	336.0	336.1	335.9	336.7	336.9	336.9	336.2	335.3	335.7	335.4
41.5°	332.4	333.0	333.3	332.9	333.8	334.4	334.3	333.4	332.9	332.9	332.8
42°	329.4	330.1	330.4	330.1	330.7	331.3	331.2	330.7	330.3	329.9	329.9
42.5°	326.3	327.2	327.7	327.1	328.0	328.4	328.2	327.8	327.3	326.9	327.0
43°	323.4	324.2	324.8	324.2	325.2	325.4	325.3	324.7	324.3	323.9	324.2
43.5°	320.4	321.4	321.7	321.3	322.3	322.3	322.5	321.8	321.4	321.0	321.1
44°	317.4	318.4	318.7	318.5	319.3	319.4	319.5	318.9	318.4	318.0	318.2
44.5°	314.5	315.3	315.7	315.3	316.4	316.5	316.5	316.0	315.4	315.1	315.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	311.3	312.4	312.8	312.4	313.5	313.6	313.3	312.9	312.6	312.3	311.9
45.5°	308.0	309.2	309.9	309.3	310.5	310.6	310.2	310.0	309.5	309.2	308.8
46°	305.1	306.5	306.7	306.4	307.4	307.4	307.3	306.8	306.2	305.9	305.9
46.5°	302.4	303.3	303.5	303.4	304.2	304.3	304.4	303.7	303.1	303.2	302.7
47°	299.4	300.1	300.3	300.2	301.0	301.1	301.3	300.4	300.1	299.9	299.5
47.5°	296.4	297.2	297.0	296.9	297.9	298.2	298.0	297.3	297.0	296.7	296.2
48°	293.1	293.9	293.7	293.9	294.8	295.1	294.9	294.3	293.6	293.7	293.1
48.5°	289.8	290.7	290.7	290.5	291.7	291.7	291.7	291.1	290.3	290.4	290.0
49°	286.5	287.5	287.4	287.4	288.6	288.5	288.4	287.8	287.4	287.3	286.8
49.5°	283.3	284.3	284.2	284.0	285.4	285.1	285.2	284.8	284.0	284.3	283.5
50°	280.2	280.9	280.9	280.7	282.1	282.1	281.9	281.3	280.6	280.9	280.5
50.5°	276.5	277.7	277.6	277.4	278.8	278.7	278.6	278.1	277.4	277.5	277.2
51°	273.3	274.2	274.1	274.0	275.3	275.3	275.5	274.7	274.1	274.3	274.1
51.5°	269.9	270.9	271.0	270.8	272.0	271.9	272.1	271.3	270.7	270.9	270.4
52°	266.6	267.6	267.5	267.4	268.5	268.7	268.7	267.9	267.0	267.5	267.0
52.5°	263.1	264.1	264.1	264.1	265.3	265.4	265.3	264.5	263.8	264.3	263.7
53°	259.7	260.7	260.5	260.4	261.7	261.9	261.7	261.0	260.6	260.9	260.4
53.5°	256.2	257.2	257.0	256.9	258.1	258.2	258.1	257.8	257.2	257.7	256.9
54°	252.7	253.4	253.5	253.3	254.7	254.8	254.7	254.4	253.6	254.0	253.6
54.5°	249.0	249.8	250.1	250.0	251.2	251.2	251.1	250.7	250.0	250.4	250.2
55°	245.7	246.5	246.2	246.6	247.6	247.8	247.8	247.3	246.7	246.9	246.8
55.5°	242.4	242.9	242.9	242.9	244.1	244.4	243.9	243.5	243.1	243.7	243.2
56°	238.7	239.4	239.2	239.5	240.5	240.9	240.9	240.2	239.7	240.0	239.7
56.5°	235.2	235.8	235.7	235.9	237.0	237.3	237.3	236.5	236.0	236.4	236.0
57°	231.4	232.0	232.1	232.4	233.4	233.8	233.6	233.0	232.3	232.8	232.4
57.5°	227.5	228.3	228.5	228.6	229.8	229.9	230.0	229.3	228.8	229.1	229.0
58°	224.1	224.6	224.7	224.8	226.0	226.4	226.0	225.8	225.1	225.3	225.5
58.5°	220.4	221.1	221.2	221.2	222.4	222.9	222.1	222.1	221.5	221.7	221.8
59°	216.5	217.5	217.1	217.2	218.9	218.9	218.6	218.4	217.9	218.2	218.0
59.5°	212.8	213.5	213.4	213.5	215.2	215.1	214.9	214.6	214.0	214.5	214.3
60°	209.4	209.8	209.5	209.7	211.4	211.4	211.2	211.1	210.3	210.7	210.5
60.5°	205.8	205.9	205.9	205.7	207.6	207.6	207.1	207.1	206.3	206.9	206.7
61°	201.7	202.0	202.1	201.9	203.7	204.1	203.4	203.7	202.8	203.0	202.9
61.5°	198.0	198.3	198.5	198.0	199.9	200.3	199.6	199.7	199.1	199.5	199.1
62°	194.2	194.5	194.7	194.5	196.1	196.4	196.2	196.0	195.4	195.6	195.6
62.5°	190.3	190.5	190.9	190.5	192.1	192.4	192.2	192.2	191.5	191.8	191.6
63°	186.3	186.5	187.0	186.7	188.2	188.8	188.4	188.3	187.7	187.9	187.6
63.5°	182.5	182.9	183.0	182.9	184.4	184.9	184.6	184.6	184.0	184.0	183.9
64°	178.5	178.9	179.1	179.0	180.7	181.0	180.7	180.5	180.1	180.2	179.9
64.5°	174.8	175.2	175.4	175.0	176.7	176.8	176.7	176.4	176.2	176.2	176.0
65°	171.0	171.3	171.3	171.2	172.9	173.2	173.0	172.6	172.3	172.4	172.3
65.5°	167.0	167.2	167.3	167.0	169.2	169.0	168.8	168.6	168.2	168.6	168.5
66°	163.0	163.2	163.2	162.9	165.1	165.0	164.5	164.5	164.2	164.6	164.5
66.5°	158.8	159.2	159.0	159.0	161.0	160.9	160.8	160.5	160.4	160.7	160.3
67°	154.7	155.0	155.1	155.0	156.9	157.1	156.8	156.7	156.4	156.6	156.6

TEST NUMBER: P869682
 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	150.8	151.1	151.1	151.0	152.9	153.1	152.7	152.6	152.5	152.7	152.5
68°	146.7	147.1	147.0	147.1	148.9	149.2	148.8	148.6	148.7	148.7	148.4
68.5°	142.7	143.0	143.0	142.9	145.0	145.2	144.8	144.6	144.8	144.8	144.4
69°	138.7	139.0	139.0	138.8	141.1	141.2	140.8	140.6	140.6	140.5	140.1
69.5°	134.4	134.8	134.9	134.7	136.8	137.1	136.7	136.4	136.5	136.5	136.2
70°	130.3	130.8	130.7	130.6	132.7	133.0	132.5	132.3	132.4	132.5	132.1
70.5°	126.3	126.7	126.4	126.6	128.8	129.0	128.5	128.4	128.5	128.4	128.1
71°	122.3	122.5	122.3	122.4	124.7	124.9	124.3	124.4	124.3	124.3	124.1
71.5°	118.3	118.5	118.3	118.2	120.5	120.6	120.3	120.2	120.4	120.1	119.9
72°	114.2	114.3	114.2	114.1	116.3	116.6	116.2	116.2	116.3	116.0	115.9
72.5°	110.0	110.4	110.2	109.8	112.3	112.5	112.3	112.1	112.2	112.0	111.8
73°	106.0	106.2	106.1	106.0	108.2	108.4	108.2	108.1	108.1	108.0	107.7
73.5°	101.9	102.2	101.9	101.9	104.3	104.5	104.4	104.1	104.1	104.0	103.9
74°	97.8	98.0	97.9	97.9	100.2	100.4	100.4	100.0	100.0	99.8	99.7
74.5°	93.7	94.1	93.8	93.8	96.1	96.3	96.0	95.9	95.9	95.9	95.7
75°	89.6	89.9	89.8	89.6	91.7	92.1	92.0	91.8	91.8	91.8	91.7
75.5°	85.6	85.7	85.6	85.5	87.7	88.0	87.8	87.8	87.7	87.7	87.7
76°	81.6	81.7	81.6	81.6	83.6	84.0	83.6	83.7	83.7	83.6	83.6
76.5°	77.5	77.7	77.7	77.5	79.7	79.8	79.6	79.8	79.7	79.6	79.7
77°	73.5	73.6	73.4	73.5	75.6	75.9	75.8	75.7	75.6	75.7	75.7
77.5°	69.5	69.8	69.6	69.6	71.6	71.8	71.7	71.7	71.7	71.8	71.8
78°	65.6	65.8	65.6	65.7	67.7	67.9	67.7	67.6	67.5	67.8	67.7
78.5°	61.8	61.9	61.7	61.8	63.9	63.9	63.9	63.7	63.5	63.8	63.9
79°	57.9	58.0	57.8	58.1	60.2	60.2	60.0	60.0	59.8	60.0	59.9
79.5°	54.1	54.2	54.1	54.2	56.3	56.3	56.1	56.1	55.9	56.2	56.2
80°	50.4	50.4	50.4	50.3	52.4	52.5	52.2	52.2	52.1	52.4	52.4
80.5°	46.6	46.7	46.6	46.5	48.5	48.8	48.6	48.5	48.4	48.7	48.7
81°	43.0	43.1	43.0	42.7	44.8	45.1	44.9	44.8	44.8	45.0	45.1
81.5°	39.4	39.5	39.4	39.2	41.2	41.4	41.2	41.1	41.1	41.4	41.4
82°	36.0	36.0	35.9	35.7	37.7	37.8	37.7	37.5	37.5	37.7	37.9
82.5°	32.6	32.6	32.5	32.3	34.3	34.4	34.3	34.2	34.1	34.4	34.6
83°	29.2	29.3	29.1	28.8	30.9	30.9	30.9	30.8	30.8	31.0	31.2
83.5°	25.9	26.0	25.9	25.8	27.4	27.6	27.5	27.5	27.5	27.6	27.9
84°	22.9	23.0	22.8	22.6	24.3	24.3	24.3	24.2	24.2	24.4	24.6
84.5°	20.1	20.1	20.0	19.8	21.2	21.5	21.2	21.2	21.1	21.3	21.5
85°	17.3	17.2	17.2	16.9	18.3	18.4	18.3	18.2	18.2	18.3	18.5
85.5°	14.7	14.7	14.7	14.5	15.5	15.6	15.5	15.5	15.4	15.6	15.8
86°	12.2	12.2	12.2	12.0	13.2	13.2	13.2	13.2	13.2	13.3	13.4
86.5°	9.9	10.0	9.9	9.7	11.0	11.0	11.1	10.9	10.9	11.1	11.2
87°	7.7	7.7	7.7	7.5	8.8	8.8	8.9	8.7	8.7	8.8	8.9
87.5°	5.6	5.6	5.6	5.4	6.7	6.7	6.7	6.7	6.6	6.8	6.9
88°	3.9	4.0	3.9	3.8	4.9	4.9	4.9	4.8	4.8	5.0	5.1
88.5°	2.6	2.7	2.6	2.5	3.3	3.5	3.3	3.2	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: P869682
CATALOG NUMBER: SMX14SLSFSD2W-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: P869682
 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	457.1	457.1	457.1	457.1	457.1	457.1
0.5°	456.7	457.8	457.4	457.1	457.0	456.9
1°	456.6	457.6	457.8	456.9	456.7	456.9
1.5°	456.8	457.8	457.4	457.2	456.4	456.7
2°	456.4	457.3	457.1	456.9	456.6	456.6
2.5°	456.6	457.1	456.8	456.5	456.8	456.4
3°	456.3	456.5	456.4	456.4	456.6	455.8
3.5°	455.9	456.1	456.4	455.9	456.4	455.6
4°	455.8	455.9	456.3	455.5	455.9	455.5
4.5°	455.4	455.5	455.7	455.3	455.7	455.2
5°	454.7	455.2	455.1	455.1	455.1	454.9
5.5°	454.2	454.8	454.8	455.2	454.7	454.7
6°	453.5	454.3	454.1	454.6	454.3	454.4
6.5°	453.3	453.7	453.6	454.2	453.6	454.1
7°	452.8	453.2	453.0	453.4	453.0	453.5
7.5°	452.7	452.9	452.6	452.7	452.9	453.0
8°	451.8	452.5	451.8	452.2	452.1	452.2
8.5°	451.1	451.8	451.5	451.7	451.2	451.8
9°	450.4	451.0	450.9	450.9	450.7	451.3
9.5°	449.5	450.5	450.0	450.2	450.0	450.7
10°	449.1	449.7	449.1	449.4	449.5	450.1
10.5°	448.2	448.8	448.5	448.7	449.0	449.6
11°	447.4	447.7	448.0	447.8	448.1	448.8
11.5°	446.5	446.7	447.3	446.6	447.4	448.0
12°	445.6	446.0	446.5	445.9	446.5	447.0
12.5°	444.8	445.1	445.5	445.5	446.2	446.1
13°	444.1	444.1	444.6	444.4	445.1	445.3
13.5°	443.1	443.0	443.3	443.6	444.0	444.3
14°	442.1	441.7	442.1	443.0	443.0	443.1
14.5°	440.8	440.6	440.7	441.7	441.7	441.7
15°	439.8	439.6	439.5	440.8	440.4	440.4
15.5°	438.6	438.4	438.4	439.9	439.2	439.0
16°	437.5	437.3	437.1	438.9	437.6	437.8
16.5°	436.2	436.1	436.1	437.6	436.5	436.4
17°	434.9	434.8	434.8	436.1	435.2	435.3
17.5°	433.6	433.7	433.3	434.7	433.7	433.8
18°	432.3	432.3	432.2	433.5	432.5	432.6
18.5°	431.0	431.1	430.9	431.8	430.9	431.2
19°	429.8	429.8	429.6	430.4	429.3	429.7
19.5°	428.1	428.3	428.4	428.9	427.9	428.2
20°	426.8	426.8	427.3	427.3	426.6	426.7
20.5°	425.1	425.2	425.9	425.9	425.3	425.3
21°	423.6	423.6	424.3	424.4	423.9	423.8
21.5°	422.0	422.0	422.9	422.8	422.6	422.1
22°	420.6	420.6	421.6	421.1	420.9	420.7

TEST NUMBER: P869682
 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	418.7	418.8	419.8	419.4	419.2	419.2
23°	417.2	417.2	417.8	417.5	417.5	417.6
23.5°	415.7	415.4	416.5	415.9	415.9	416.1
24°	413.9	413.6	414.9	413.8	413.9	414.5
24.5°	412.1	411.8	412.5	412.4	412.1	412.6
25°	410.1	410.1	410.7	410.2	410.1	410.4
25.5°	408.2	408.2	408.8	408.4	408.2	408.6
26°	406.1	406.4	406.5	406.3	406.3	406.4
26.5°	404.2	404.3	404.7	404.2	404.2	404.8
27°	402.3	402.3	402.8	402.3	402.3	403.0
27.5°	400.7	400.3	401.0	400.3	400.3	401.0
28°	398.5	398.1	399.0	398.3	398.2	398.8
28.5°	396.5	395.9	397.0	396.6	396.4	396.7
29°	394.3	394.0	395.0	394.3	394.1	394.6
29.5°	392.1	391.7	393.0	392.2	392.0	392.5
30°	390.0	389.6	390.9	390.0	389.6	390.4
30.5°	387.7	387.7	388.6	387.5	387.4	388.2
31°	385.3	385.3	386.0	385.5	385.2	386.2
31.5°	383.2	383.1	383.5	383.3	383.0	383.9
32°	381.0	381.1	381.1	380.9	380.6	381.4
32.5°	378.9	378.6	379.0	379.0	378.5	379.1
33°	376.6	376.6	376.5	376.5	376.1	376.5
33.5°	374.2	374.1	374.4	374.1	373.8	374.3
34°	371.7	371.6	371.7	371.9	371.2	372.0
34.5°	369.5	369.0	369.3	369.6	368.8	369.6
35°	367.2	366.4	366.7	367.1	366.5	366.9
35.5°	364.7	363.8	364.2	364.6	364.0	364.7
36°	362.0	361.4	361.6	361.9	361.4	362.1
36.5°	359.5	358.9	359.0	359.3	359.1	359.4
37°	356.9	356.3	356.5	356.6	356.5	356.5
37.5°	354.4	353.5	353.8	354.2	354.0	354.0
38°	351.8	350.7	351.2	351.5	351.6	351.4
38.5°	349.3	348.0	348.7	348.5	348.7	348.7
39°	346.7	345.5	346.0	346.0	345.9	346.0
39.5°	343.9	342.8	343.4	343.2	343.2	343.3
40°	341.1	340.2	340.7	340.5	340.3	340.5
40.5°	338.1	337.6	337.8	337.7	337.8	337.9
41°	335.4	335.2	335.2	335.1	335.0	335.0
41.5°	332.5	332.2	332.4	332.4	332.6	332.4
42°	329.6	329.3	329.5	329.6	329.9	329.4
42.5°	326.8	326.2	326.7	326.6	326.5	326.3
43°	323.9	323.3	323.5	323.6	323.4	323.4
43.5°	321.2	320.3	320.9	320.6	320.5	320.4
44°	318.1	317.2	318.0	317.5	317.4	317.4
44.5°	315.3	314.4	314.8	314.5	314.9	314.5

TEST NUMBER: P869682
 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	312.2	311.3	311.8	311.6	311.7	311.3
45.5°	309.3	308.2	308.7	308.5	308.3	308.0
46°	306.1	305.2	305.6	305.5	305.1	305.1
46.5°	302.9	301.9	302.7	302.3	302.0	302.4
47°	299.8	298.6	299.8	299.3	299.1	299.4
47.5°	296.6	295.4	296.6	296.1	296.2	296.4
48°	293.4	292.4	293.3	292.8	293.2	293.1
48.5°	290.4	289.4	290.0	289.6	290.0	289.8
49°	286.9	286.2	286.8	286.3	286.2	286.5
49.5°	283.8	283.0	283.6	283.1	282.9	283.3
50°	280.6	279.7	280.2	279.8	280.0	280.2
50.5°	277.3	276.4	276.9	276.5	276.5	276.5
51°	274.2	273.1	273.6	273.2	273.0	273.3
51.5°	270.7	269.5	270.0	269.9	269.5	269.9
52°	267.4	266.2	266.8	266.5	266.1	266.6
52.5°	263.8	262.6	263.4	263.3	262.8	263.1
53°	260.6	259.4	259.7	259.8	259.4	259.7
53.5°	257.2	256.1	256.4	256.3	256.0	256.2
54°	253.8	252.5	252.6	252.7	252.7	252.7
54.5°	250.3	249.1	249.4	248.9	248.9	249.0
55°	246.7	245.8	245.8	245.3	245.5	245.7
55.5°	243.3	242.3	242.4	241.8	242.0	242.4
56°	240.1	238.6	238.8	238.1	238.5	238.7
56.5°	236.3	235.1	235.2	234.8	235.0	235.2
57°	232.7	231.3	231.6	231.1	231.3	231.4
57.5°	229.0	227.8	228.0	227.5	227.5	227.5
58°	225.5	224.1	224.1	224.3	223.8	224.1
58.5°	221.8	220.4	220.4	220.6	220.5	220.4
59°	218.1	216.7	216.7	216.9	216.8	216.5
59.5°	214.2	213.0	212.8	213.0	213.1	212.8
60°	210.3	209.3	209.2	209.2	209.2	209.4
60.5°	206.8	205.5	205.4	205.3	205.2	205.8
61°	203.2	201.7	201.8	201.4	201.4	201.7
61.5°	199.4	197.8	198.2	197.5	197.9	198.0
62°	195.5	194.2	194.3	193.7	193.8	194.2
62.5°	191.7	190.3	190.5	190.0	189.9	190.3
63°	187.8	186.3	186.5	186.3	186.0	186.3
63.5°	183.8	182.4	182.7	182.2	182.1	182.5
64°	180.3	178.4	178.7	178.3	178.3	178.5
64.5°	176.0	174.6	174.9	174.6	174.4	174.8
65°	172.4	170.6	170.9	170.6	170.5	171.0
65.5°	168.3	166.7	166.8	166.5	166.6	167.0
66°	164.2	162.6	162.7	162.7	162.7	163.0
66.5°	160.3	158.6	158.7	158.7	158.9	158.8
67°	156.6	154.4	154.8	154.5	155.1	154.7

TEST NUMBER: P869682
 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	152.4	150.5	151.1	150.6	151.1	150.8
68°	148.4	146.5	146.9	146.5	146.6	146.7
68.5°	144.4	142.8	142.9	142.6	142.7	142.7
69°	140.3	138.8	139.0	138.8	138.8	138.7
69.5°	136.2	134.6	134.9	134.6	134.7	134.4
70°	132.2	130.5	130.7	130.5	130.6	130.3
70.5°	128.4	126.5	126.6	126.6	126.6	126.3
71°	124.4	122.1	122.4	122.4	122.4	122.3
71.5°	120.2	118.2	118.4	118.2	118.2	118.3
72°	116.1	114.2	114.2	114.1	114.0	114.2
72.5°	112.1	110.1	110.2	110.1	109.7	110.0
73°	108.2	106.0	106.4	106.1	105.8	106.0
73.5°	104.1	101.9	102.3	102.0	101.9	101.9
74°	100.2	97.9	98.1	97.7	97.8	97.8
74.5°	96.1	93.8	94.0	93.7	93.5	93.7
75°	92.0	89.7	89.8	89.6	89.4	89.6
75.5°	87.8	85.7	85.8	85.5	85.3	85.6
76°	83.9	81.6	81.7	81.5	81.4	81.6
76.5°	79.9	77.5	77.7	77.5	77.4	77.5
77°	75.9	73.6	73.6	73.4	73.4	73.5
77.5°	71.8	69.8	69.6	69.6	69.6	69.5
78°	67.9	65.9	65.6	65.6	65.6	65.6
78.5°	63.9	62.0	61.8	61.8	61.8	61.8
79°	60.1	58.2	57.9	57.9	58.2	57.9
79.5°	56.3	54.2	54.2	54.1	54.3	54.1
80°	52.5	50.4	50.4	50.3	50.5	50.4
80.5°	48.8	46.8	46.8	46.8	46.7	46.6
81°	45.1	43.1	43.1	43.1	43.0	43.0
81.5°	41.4	39.5	39.7	39.7	39.4	39.4
82°	37.9	36.1	36.1	36.2	35.9	36.0
82.5°	34.6	32.6	32.8	32.6	32.5	32.6
83°	31.2	29.4	29.5	29.4	29.1	29.2
83.5°	27.9	26.2	26.2	26.1	25.9	25.9
84°	24.6	23.1	23.1	23.1	22.9	22.9
84.5°	21.5	20.1	20.2	20.1	20.1	20.1
85°	18.6	17.3	17.4	17.3	17.3	17.3
85.5°	15.8	14.8	14.9	14.8	14.8	14.7
86°	13.6	12.3	12.4	12.4	12.3	12.2
86.5°	11.2	10.0	10.1	10.0	10.0	9.9
87°	9.1	7.8	7.9	7.9	7.8	7.7
87.5°	7.0	5.6	5.8	5.8	5.7	5.6
88°	5.1	4.0	4.1	4.0	4.0	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: P869682
CATALOG NUMBER: SMX14SLSFSD2W-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)