

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: P869670

Luminaire Tested: **SMX14SLSFS010-1300LM-5000K**

Issue Date: 8/29/2024

Tested By:

Approved By:



Cooper Lighting Solutions laboratories have been accredited by National Voluntary Laboratory Accreditation Program (NVLAP) that it adheres to the requirements of ISO/IEC 17025:2005 and appropriate IESNA test methods. This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. Results contained in this report are valid for luminaire sample tested, as supplied by requestor. Information related to the luminaire tested has been supplied by requestor and can affect the validity of the test results. Report shall not be reproduced except in full without approval of Cooper Lighting Solutions Lighting Laboratory. Test performed at address noted above.

Test Information

Test Method: LM-79-08
 Report Number: P869670
 Test Lab:
 Issue Date: 8/29/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: SMX14SLSFS010-1300LM-5000K
 Description: 14IN SQUARE, 90CRI, DIMMING TO 10%, DAMP LOCATION
 Light Source: SELECTABLE CCT 90CRI / 5000K CCT
 Ballast/Driver: -

Summary

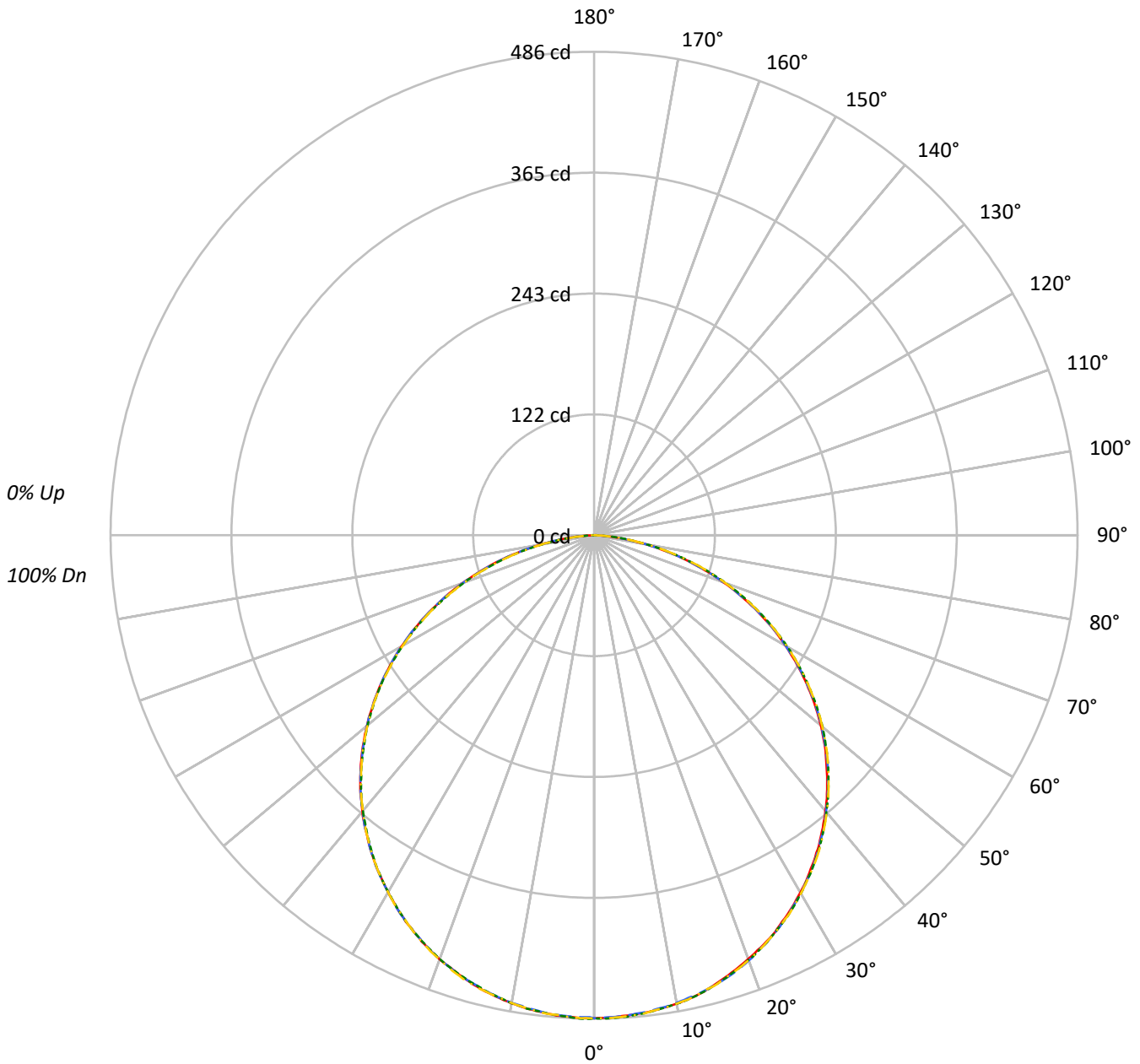
Lumens per Lamp: N/A
 Luminaire Lumens: 1418.8 lumens
 Efficiency: N/A
 Efficacy: 99.2 lumens/watt
 Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
 Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
 CIE Type: Direct

Input Watts (W): 14.3
 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

TEST NUMBER: P869670
CATALOG NUMBER: SMX14SLSFS010-1300LM-5000K

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - · - 135°-315°

TEST NUMBER: P869670
 CATALOG NUMBER: SMX14SLSFS010-1300LM-5000K

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°	3838	3838	3838	3838
5°	3834	3839	3838	3837
10°	3837	3837	3835	3833
15°	3828	3832	3829	3820
20°	3812	3821	3815	3813
25°	3802	3808	3798	3799
30°	3784	3796	3781	3777
35°	3760	3775	3763	3755
40°	3732	3748	3739	3729
45°	3696	3722	3711	3696
50°	3659	3685	3665	3653
55°	3596	3625	3610	3598
60°	3516	3550	3531	3514
65°	3396	3435	3422	3389
70°	3201	3258	3249	3203
75°	2907	2974	2977	2910
80°	2435	2531	2522	2440
85°	1660	1759	1750	1669

TEST NUMBER: P869670
 CATALOG NUMBER: SMX14SLSFS010-1300LM-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.0	3.2
10°-20°	132.0	9.3
20°-30°	201.1	14.2
30°-40°	244.2	17.2
40°-50°	255.9	18.0
50°-60°	234.0	16.5
60°-70°	180.2	12.7
70°-80°	101.9	7.2
80°-90°	23.7	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°	379.1	26.7
0°-40°	623.2	43.9
0°-60°	1113.0	78.4
0°-90°	1418.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1418.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	486	486	486	486	486	
5°	483	484	484	484	483	46
15°	468	468	468	467	468	132
25°	436	437	436	436	436	201
35°	390	391	390	389	390	244
45°	331	333	332	331	331	255
55°	261	263	262	261	261	233
65°	182	184	183	181	182	179
75°	95	97	98	95	95	101
85°	18	19	19	18	18	23
90°	0	0	0	0	0	

TEST NUMBER: P869670
 CATALOG NUMBER: SMX14SLSFS010-1300LM-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	485.6	485.6	485.6	485.6	485.6	485.6	485.6	485.6	485.6	485.6	485.6
0.5°	485.3	486.2	484.9	485.5	485.9	485.6	485.7	485.6	485.4	485.9	484.4
1°	485.3	486.3	485.1	485.2	485.9	485.5	485.5	485.3	485.5	485.5	484.5
1.5°	485.1	485.8	484.9	485.0	485.9	485.3	485.8	485.0	485.3	485.6	484.5
2°	485.0	485.7	484.7	485.0	485.7	485.1	485.6	484.9	485.4	485.7	484.5
2.5°	484.8	485.6	484.7	484.6	485.8	485.3	485.3	484.8	484.9	485.6	484.4
3°	484.2	485.5	484.2	484.4	485.3	485.0	485.1	484.8	484.7	485.1	484.2
3.5°	483.9	485.0	484.2	484.2	485.1	484.5	484.7	484.5	484.5	485.0	484.1
4°	483.9	484.5	483.7	483.7	485.0	484.5	484.5	484.5	484.2	484.6	483.9
4.5°	483.6	484.4	483.4	483.5	484.4	484.1	484.2	483.9	484.2	484.8	483.3
5°	483.2	484.1	482.8	483.4	483.9	483.8	484.1	483.5	483.7	484.2	483.2
5.5°	483.0	483.5	482.7	482.9	483.5	483.5	483.8	482.9	483.2	483.6	482.8
6°	482.7	483.0	482.2	482.5	483.2	482.7	483.2	482.5	482.7	483.0	482.4
6.5°	482.3	482.9	481.6	482.0	482.7	481.9	482.7	482.2	482.0	482.5	481.6
7°	481.8	482.3	481.2	481.6	482.0	481.6	481.7	481.5	481.8	481.8	481.0
7.5°	481.2	481.6	480.4	480.8	481.4	481.0	481.2	480.9	481.1	481.5	480.5
8°	480.4	480.9	479.9	480.2	480.7	480.3	480.7	480.3	480.6	480.9	479.8
8.5°	479.9	480.4	479.7	479.5	480.1	479.9	480.1	479.3	479.9	479.9	478.9
9°	479.4	479.8	478.9	478.9	479.4	479.0	479.7	478.6	479.2	479.4	478.3
9.5°	478.7	478.9	478.1	478.3	478.7	478.1	478.7	478.0	478.3	478.9	477.8
10°	478.1	477.8	477.3	477.6	478.1	477.8	478.1	477.3	477.8	478.1	477.3
10.5°	477.5	477.3	476.3	476.7	477.8	476.9	477.2	476.5	476.7	477.2	476.4
11°	476.7	476.2	475.8	476.1	476.9	476.2	476.7	475.5	476.0	476.6	475.3
11.5°	475.9	475.5	474.6	475.0	476.0	475.6	476.1	474.7	474.9	475.3	474.6
12°	474.9	474.9	473.8	474.4	475.0	474.6	474.7	473.6	474.2	474.2	473.7
12.5°	473.9	474.1	473.2	473.3	474.3	474.0	473.8	472.7	473.2	473.2	472.6
13°	473.0	473.2	472.3	472.4	473.0	472.8	472.8	471.9	472.1	472.3	471.5
13.5°	471.9	472.3	471.5	471.0	472.1	471.4	471.2	470.7	471.3	471.5	470.5
14°	470.6	471.1	470.4	470.0	470.9	470.5	470.3	469.4	470.3	470.3	469.2
14.5°	469.2	469.8	469.4	468.8	469.5	469.4	469.5	468.3	468.8	469.4	467.8
15°	467.8	468.9	468.5	468.0	468.3	468.5	468.6	466.7	467.9	468.3	467.0
15.5°	466.3	467.7	467.5	466.3	467.2	467.2	467.2	465.6	466.4	467.1	465.7
16°	465.0	466.0	466.2	465.1	465.7	465.7	465.6	464.8	465.0	465.5	464.7
16.5°	463.6	464.4	464.9	464.0	464.6	464.4	464.2	463.6	463.7	464.2	463.5
17°	462.3	463.0	463.7	462.4	463.1	462.9	463.0	462.4	462.4	462.6	462.3
17.5°	460.8	461.5	462.4	460.7	461.6	461.5	461.8	460.9	460.7	461.4	460.9
18°	459.5	459.8	461.1	459.6	460.2	460.2	460.4	459.4	459.2	459.7	459.3
18.5°	458.0	458.5	459.8	458.2	459.0	458.6	458.9	458.3	457.7	458.5	457.8
19°	456.4	456.8	458.1	456.6	457.3	457.4	457.5	456.9	456.4	456.9	456.5
19.5°	454.9	455.2	456.6	454.8	455.7	456.0	455.9	455.2	455.3	455.5	455.3
20°	453.2	453.8	454.8	453.4	454.3	454.5	454.5	453.8	453.6	453.9	453.6
20.5°	451.8	452.5	453.4	451.7	453.0	453.2	453.0	452.1	452.1	452.2	452.2
21°	450.2	450.5	451.8	450.4	451.4	451.3	451.3	450.8	450.4	450.6	450.3
21.5°	448.4	449.0	450.0	448.5	449.6	449.3	449.3	449.0	448.5	448.9	448.5
22°	446.9	447.3	447.5	447.0	447.9	447.4	447.7	447.7	447.0	447.0	446.7

TEST NUMBER: P869670
 CATALOG NUMBER: SMX14SLSFS010-1300LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	445.3	445.8	446.4	445.3	446.2	445.6	446.1	445.7	445.1	445.1	444.8
23°	443.6	444.0	444.5	443.4	444.5	443.9	444.3	443.7	443.6	443.3	442.7
23.5°	442.0	442.3	442.7	441.7	442.6	442.2	442.5	441.8	441.3	441.4	441.3
24°	440.3	440.4	440.6	439.9	440.7	440.6	440.8	440.1	439.6	439.9	439.4
24.5°	438.3	438.5	438.9	438.0	438.9	438.9	439.2	438.4	437.6	438.4	437.7
25°	436.0	436.8	437.1	436.0	436.7	436.9	437.1	436.5	435.5	436.1	435.6
25.5°	434.1	434.9	435.0	434.0	435.0	434.9	434.9	434.2	434.0	434.0	434.0
26°	431.7	432.7	432.8	431.7	433.0	433.0	433.1	432.3	432.0	432.4	432.0
26.5°	430.0	430.7	431.0	429.8	431.2	430.8	431.0	429.9	429.7	430.1	429.7
27°	428.0	428.8	428.6	428.1	429.3	428.7	429.3	428.2	427.6	428.0	427.9
27.5°	425.9	426.6	426.6	426.0	427.0	426.6	427.2	426.1	425.8	426.0	425.5
28°	423.7	424.2	424.3	423.8	424.9	424.7	424.8	423.9	423.4	424.1	423.7
28.5°	421.4	422.0	422.0	422.2	422.8	422.4	422.6	422.0	421.0	422.0	421.4
29°	419.1	419.9	420.1	419.7	420.3	420.0	420.3	419.7	418.6	419.8	418.8
29.5°	416.9	417.6	417.7	417.7	418.0	417.9	418.3	417.3	416.6	417.8	416.5
30°	414.6	415.2	415.4	415.3	415.9	415.8	416.0	415.2	414.3	415.1	414.1
30.5°	412.3	413.0	413.3	413.3	413.5	413.6	413.6	413.0	412.0	412.7	411.9
31°	410.2	410.5	410.6	411.1	411.0	411.3	411.0	410.6	409.6	410.5	409.7
31.5°	407.8	408.3	408.4	408.7	408.5	408.8	408.7	408.1	407.1	407.9	407.3
32°	405.1	406.0	406.1	406.1	406.0	406.4	406.4	405.6	404.7	405.5	405.0
32.5°	402.7	403.6	403.8	404.0	404.0	404.1	404.2	403.5	402.7	403.4	402.4
33°	399.9	401.0	401.0	401.5	401.6	401.5	401.6	400.9	400.2	401.0	400.2
33.5°	397.6	398.6	398.9	399.0	399.0	398.7	399.3	398.4	397.6	398.6	397.6
34°	395.1	396.3	396.2	396.5	396.5	396.3	396.9	395.6	395.0	395.6	395.0
34.5°	392.6	393.3	393.6	393.9	394.0	393.8	394.6	392.9	392.6	393.0	392.7
35°	389.7	390.1	390.8	391.2	391.3	391.4	392.1	390.7	390.0	390.3	390.0
35.5°	387.4	387.7	388.1	388.3	388.9	388.9	389.4	387.9	387.5	387.6	387.3
36°	384.6	385.1	385.2	385.7	386.1	385.9	386.7	385.1	384.7	384.9	384.6
36.5°	381.7	382.8	382.6	383.1	383.4	383.0	384.0	382.4	381.9	382.1	381.5
37°	378.7	379.7	380.0	380.3	380.6	380.6	381.2	379.3	378.9	379.5	379.1
37.5°	376.0	377.2	377.5	377.6	377.7	377.7	378.2	376.9	376.2	376.7	376.4
38°	373.3	374.5	374.6	374.6	375.0	374.7	375.2	374.2	373.7	374.1	373.7
38.5°	370.4	371.4	371.6	371.7	372.0	371.7	372.5	371.3	371.0	371.1	371.1
39°	367.6	368.8	368.7	368.8	369.3	369.0	369.6	368.4	368.2	368.2	367.9
39.5°	364.7	365.7	365.8	365.6	366.4	366.6	366.5	365.6	365.5	365.3	365.0
40°	361.7	362.5	362.8	362.8	363.3	363.8	363.6	363.0	362.4	362.5	362.2
40.5°	358.9	359.8	359.9	359.6	360.3	360.9	361.0	360.1	359.4	359.6	359.2
41°	355.8	356.9	357.0	356.8	357.6	357.9	357.8	357.1	356.2	356.6	356.3
41.5°	353.1	353.8	354.1	353.6	354.6	355.2	355.1	354.1	353.6	353.7	353.5
42°	349.9	350.6	351.0	350.6	351.3	352.0	351.8	351.2	350.9	350.4	350.4
42.5°	346.6	347.5	348.1	347.5	348.4	348.9	348.6	348.1	347.7	347.2	347.4
43°	343.5	344.4	345.1	344.4	345.4	345.7	345.5	344.9	344.5	344.1	344.3
43.5°	340.3	341.4	341.7	341.3	342.3	342.3	342.5	341.8	341.4	340.9	341.1
44°	337.1	338.2	338.6	338.3	339.1	339.2	339.4	338.8	338.2	337.8	338.0
44.5°	334.0	334.9	335.4	334.9	336.0	336.2	336.2	335.6	335.1	334.7	334.8

TEST NUMBER: P869670
 CATALOG NUMBER: SMX14SLSFS010-1300LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	330.7	331.8	332.3	331.8	333.0	333.1	332.8	332.4	332.0	331.7	331.3
45.5°	327.2	328.5	329.2	328.6	329.9	329.9	329.5	329.3	328.7	328.4	328.0
46°	324.1	325.6	325.8	325.5	326.5	326.5	326.4	325.9	325.3	325.0	324.9
46.5°	321.2	322.2	322.4	322.2	323.2	323.2	323.3	322.5	322.0	322.1	321.5
47°	318.0	318.8	319.0	318.9	319.8	319.9	320.0	319.1	318.8	318.6	318.2
47.5°	314.9	315.7	315.5	315.4	316.4	316.7	316.5	315.8	315.5	315.2	314.7
48°	311.3	312.2	312.0	312.1	313.1	313.5	313.2	312.6	311.9	312.0	311.3
48.5°	307.8	308.7	308.7	308.6	309.8	309.8	309.8	309.2	308.4	308.5	308.1
49°	304.3	305.4	305.2	305.2	306.6	306.4	306.3	305.7	305.2	305.2	304.7
49.5°	300.9	302.0	301.8	301.7	303.1	302.8	302.9	302.5	301.7	302.0	301.2
50°	297.6	298.4	298.4	298.2	299.7	299.7	299.5	298.8	298.1	298.3	297.9
50.5°	293.7	295.0	294.9	294.7	296.1	296.0	296.0	295.4	294.6	294.8	294.5
51°	290.3	291.3	291.2	291.1	292.4	292.4	292.6	291.7	291.1	291.3	291.1
51.5°	286.7	287.7	287.8	287.6	288.9	288.8	289.0	288.2	287.5	287.7	287.2
52°	283.2	284.3	284.1	284.1	285.2	285.4	285.4	284.5	283.6	284.1	283.6
52.5°	279.5	280.5	280.5	280.5	281.8	281.9	281.8	281.0	280.2	280.8	280.1
53°	275.9	276.9	276.7	276.6	277.9	278.2	277.9	277.3	276.9	277.1	276.6
53.5°	272.1	273.2	273.0	272.9	274.2	274.3	274.1	273.9	273.2	273.7	272.9
54°	268.4	269.2	269.3	269.1	270.5	270.6	270.5	270.2	269.4	269.8	269.4
54.5°	264.5	265.4	265.7	265.5	266.9	266.9	266.8	266.3	265.6	266.0	265.8
55°	261.0	261.8	261.5	262.0	263.1	263.2	263.2	262.6	262.0	262.3	262.2
55.5°	257.4	258.0	258.0	258.0	259.2	259.6	259.1	258.6	258.3	258.8	258.3
56°	253.6	254.3	254.1	254.4	255.5	255.9	255.9	255.1	254.6	255.0	254.6
56.5°	249.8	250.5	250.4	250.6	251.7	252.1	252.0	251.2	250.7	251.1	250.7
57°	245.8	246.4	246.5	246.8	247.9	248.4	248.1	247.5	246.7	247.3	246.9
57.5°	241.7	242.5	242.7	242.8	244.1	244.2	244.3	243.6	243.0	243.4	243.2
58°	238.1	238.6	238.7	238.8	240.1	240.5	240.1	239.9	239.1	239.3	239.5
58.5°	234.1	234.9	234.9	234.9	236.3	236.7	235.9	235.9	235.3	235.5	235.6
59°	230.0	231.0	230.6	230.7	232.5	232.5	232.2	232.0	231.5	231.8	231.6
59.5°	226.1	226.8	226.6	226.8	228.6	228.4	228.3	228.0	227.3	227.8	227.6
60°	222.4	222.8	222.6	222.8	224.6	224.5	224.3	224.3	223.4	223.8	223.6
60.5°	218.6	218.8	218.7	218.5	220.5	220.5	220.0	220.0	219.1	219.7	219.6
61°	214.3	214.6	214.7	214.5	216.4	216.8	216.1	216.3	215.4	215.7	215.5
61.5°	210.3	210.7	210.8	210.4	212.3	212.7	212.0	212.2	211.5	211.9	211.4
62°	206.2	206.6	206.8	206.6	208.4	208.7	208.4	208.2	207.6	207.8	207.7
62.5°	202.2	202.3	202.7	202.3	204.1	204.4	204.2	204.1	203.4	203.7	203.5
63°	197.9	198.1	198.6	198.4	199.9	200.5	200.1	200.1	199.3	199.6	199.3
63.5°	193.9	194.3	194.4	194.3	195.9	196.4	196.1	196.1	195.4	195.5	195.3
64°	189.7	190.1	190.3	190.1	191.9	192.3	192.0	191.7	191.3	191.4	191.1
64.5°	185.7	186.1	186.3	185.9	187.7	187.8	187.7	187.4	187.1	187.1	187.0
65°	181.6	182.0	181.9	181.8	183.7	184.0	183.7	183.4	183.0	183.2	183.0
65.5°	177.4	177.6	177.7	177.4	179.7	179.5	179.3	179.1	178.7	179.1	178.9
66°	173.1	173.4	173.4	173.1	175.4	175.3	174.8	174.8	174.4	174.9	174.7
66.5°	168.7	169.1	168.9	168.9	171.0	171.0	170.8	170.5	170.4	170.7	170.3
67°	164.3	164.7	164.7	164.7	166.7	166.9	166.6	166.5	166.1	166.4	166.3

TEST NUMBER: P869670
 CATALOG NUMBER: SMX14SLSFS010-1300LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	160.2	160.5	160.5	160.4	162.4	162.6	162.2	162.1	161.9	162.2	161.9
68°	155.8	156.3	156.1	156.3	158.2	158.5	158.1	157.9	158.0	157.9	157.6
68.5°	151.6	151.9	151.9	151.8	154.0	154.3	153.8	153.6	153.8	153.8	153.3
69°	147.4	147.7	147.6	147.4	149.8	150.0	149.5	149.4	149.4	149.3	148.8
69.5°	142.8	143.2	143.3	143.1	145.4	145.6	145.2	144.9	145.0	145.0	144.7
70°	138.5	138.9	138.8	138.7	141.0	141.2	140.8	140.5	140.6	140.8	140.3
70.5°	134.2	134.6	134.2	134.5	136.8	137.0	136.5	136.4	136.5	136.3	136.1
71°	129.9	130.1	129.9	130.0	132.4	132.6	132.0	132.2	132.0	132.0	131.8
71.5°	125.7	125.9	125.6	125.5	128.0	128.1	127.8	127.7	127.9	127.6	127.4
72°	121.3	121.5	121.3	121.2	123.6	123.8	123.5	123.5	123.6	123.3	123.1
72.5°	116.8	117.3	117.1	116.7	119.3	119.5	119.3	119.0	119.2	119.0	118.7
73°	112.6	112.9	112.7	112.6	115.0	115.2	114.9	114.8	114.8	114.7	114.4
73.5°	108.3	108.6	108.3	108.3	110.7	111.0	110.9	110.6	110.6	110.4	110.3
74°	103.8	104.1	104.0	104.0	106.4	106.7	106.6	106.2	106.3	106.0	105.9
74.5°	99.5	100.0	99.6	99.7	102.0	102.3	102.0	101.9	101.8	101.8	101.7
75°	95.2	95.5	95.4	95.2	97.4	97.8	97.7	97.6	97.5	97.5	97.4
75.5°	91.0	91.0	91.0	90.8	93.1	93.5	93.3	93.3	93.2	93.2	93.1
76°	86.7	86.8	86.7	86.7	88.8	89.2	88.8	88.9	88.9	88.8	88.8
76.5°	82.3	82.5	82.5	82.3	84.7	84.8	84.6	84.7	84.7	84.6	84.7
77°	78.1	78.2	78.0	78.1	80.3	80.7	80.5	80.4	80.3	80.4	80.4
77.5°	73.8	74.1	73.9	73.9	76.0	76.3	76.1	76.2	76.1	76.2	76.2
78°	69.7	69.9	69.7	69.8	71.9	72.1	72.0	71.8	71.6	72.0	72.0
78.5°	65.6	65.7	65.5	65.7	67.9	67.9	67.9	67.7	67.5	67.8	67.8
79°	61.5	61.6	61.4	61.7	63.9	64.0	63.8	63.7	63.5	63.8	63.7
79.5°	57.4	57.6	57.5	57.6	59.8	59.8	59.6	59.6	59.4	59.7	59.7
80°	53.5	53.6	53.5	53.4	55.6	55.7	55.4	55.4	55.4	55.7	55.6
80.5°	49.5	49.6	49.5	49.4	51.6	51.9	51.6	51.6	51.4	51.7	51.7
81°	45.7	45.7	45.6	45.3	47.6	47.9	47.7	47.6	47.6	47.8	47.9
81.5°	41.9	41.9	41.8	41.6	43.8	43.9	43.8	43.7	43.7	43.9	44.0
82°	38.2	38.2	38.2	37.9	40.0	40.1	40.0	39.8	39.8	40.1	40.2
82.5°	34.6	34.7	34.5	34.3	36.4	36.6	36.4	36.3	36.2	36.5	36.7
83°	31.0	31.1	30.9	30.6	32.8	32.9	32.9	32.7	32.7	32.9	33.2
83.5°	27.5	27.7	27.5	27.4	29.1	29.3	29.2	29.2	29.2	29.3	29.6
84°	24.3	24.4	24.3	24.0	25.8	25.8	25.8	25.7	25.7	25.9	26.1
84.5°	21.3	21.3	21.2	21.0	22.6	22.8	22.6	22.5	22.5	22.6	22.9
85°	18.3	18.3	18.3	18.0	19.4	19.5	19.5	19.4	19.3	19.5	19.7
85.5°	15.6	15.6	15.6	15.4	16.5	16.5	16.5	16.5	16.4	16.5	16.8
86°	13.0	13.0	13.0	12.7	14.0	14.0	14.0	14.0	14.0	14.2	14.3
86.5°	10.5	10.6	10.5	10.3	11.7	11.7	11.7	11.6	11.6	11.8	11.9
87°	8.2	8.2	8.2	8.0	9.3	9.4	9.4	9.3	9.3	9.4	9.5
87.5°	6.0	5.9	5.9	5.7	7.1	7.1	7.1	7.1	7.0	7.2	7.3
88°	4.2	4.2	4.2	4.1	5.2	5.2	5.2	5.1	5.1	5.3	5.4
88.5°	2.8	2.8	2.8	2.7	3.5	3.7	3.5	3.4	3.4	3.6	3.6
89°	1.7	1.8	1.8	1.7	2.1	2.2	2.1	2.1	1.9	2.1	2.2
89.5°	1.0	1.0	1.0	0.9	1.0	1.1	1.0	0.9	0.8	1.0	1.0

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



TEST NUMBER: P869670
CATALOG NUMBER: SMX14SLSFS010-1300LM-5000K

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: P869670
 CATALOG NUMBER: SMX14SLSFS010-1300LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	485.6	485.6	485.6	485.6	485.6	485.6
0.5°	485.1	486.2	485.8	485.6	485.5	485.3
1°	485.0	486.1	486.2	485.3	485.1	485.3
1.5°	485.2	486.2	485.9	485.6	484.8	485.1
2°	484.8	485.8	485.5	485.3	485.0	485.0
2.5°	485.0	485.5	485.2	484.9	485.2	484.8
3°	484.7	484.9	484.8	484.8	485.0	484.2
3.5°	484.2	484.5	484.8	484.3	484.8	483.9
4°	484.2	484.2	484.7	483.8	484.3	483.9
4.5°	483.8	483.8	484.1	483.6	484.1	483.6
5°	483.0	483.6	483.4	483.5	483.4	483.2
5.5°	482.5	483.1	483.1	483.5	483.0	483.0
6°	481.8	482.5	482.3	482.9	482.6	482.7
6.5°	481.5	481.9	481.8	482.5	481.8	482.3
7°	481.0	481.4	481.2	481.6	481.2	481.8
7.5°	480.9	481.0	480.8	480.9	481.0	481.2
8°	479.9	480.6	479.9	480.4	480.2	480.4
8.5°	479.2	479.9	479.6	479.8	479.3	479.9
9°	478.4	479.0	479.0	478.9	478.7	479.4
9.5°	477.5	478.6	478.0	478.2	478.0	478.7
10°	477.0	477.6	477.0	477.4	477.5	478.1
10.5°	476.1	476.7	476.4	476.6	477.0	477.5
11°	475.2	475.5	475.8	475.6	476.0	476.7
11.5°	474.3	474.5	475.2	474.4	475.2	475.9
12°	473.3	473.7	474.3	473.7	474.3	474.9
12.5°	472.5	472.7	473.2	473.2	474.0	473.9
13°	471.7	471.8	472.3	472.0	472.7	473.0
13.5°	470.6	470.6	470.9	471.2	471.6	471.9
14°	469.6	469.2	469.6	470.6	470.6	470.6
14.5°	468.2	468.0	468.1	469.2	469.2	469.2
15°	467.2	466.9	466.8	468.3	467.8	467.8
15.5°	465.8	465.7	465.7	467.3	466.6	466.3
16°	464.7	464.5	464.3	466.2	464.8	465.0
16.5°	463.4	463.2	463.2	464.9	463.7	463.6
17°	462.0	461.9	461.9	463.2	462.3	462.3
17.5°	460.6	460.6	460.3	461.8	460.6	460.8
18°	459.2	459.2	459.1	460.5	459.4	459.5
18.5°	457.9	457.9	457.7	458.7	457.7	458.0
19°	456.5	456.5	456.3	457.2	456.0	456.4
19.5°	454.8	455.0	455.1	455.6	454.5	454.9
20°	453.3	453.3	453.9	453.9	453.1	453.2
20.5°	451.6	451.7	452.4	452.4	451.8	451.8
21°	450.0	449.9	450.7	450.8	450.2	450.2
21.5°	448.3	448.2	449.3	449.1	448.9	448.4
22°	446.8	446.8	447.8	447.3	447.1	446.9

TEST NUMBER: P869670
 CATALOG NUMBER: SMX14SLSFS010-1300LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	444.7	444.8	445.9	445.5	445.3	445.3
23°	443.2	443.2	443.8	443.5	443.5	443.6
23.5°	441.6	441.3	442.4	441.8	441.8	442.0
24°	439.7	439.3	440.7	439.6	439.6	440.3
24.5°	437.8	437.5	438.1	438.0	437.8	438.3
25°	435.6	435.6	436.3	435.7	435.6	436.0
25.5°	433.7	433.7	434.2	433.8	433.7	434.1
26°	431.4	431.7	431.8	431.6	431.5	431.7
26.5°	429.4	429.4	429.8	429.4	429.4	430.0
27°	427.4	427.4	427.9	427.4	427.4	428.0
27.5°	425.6	425.2	425.9	425.2	425.2	425.9
28°	423.3	422.9	423.8	423.1	422.9	423.7
28.5°	421.2	420.6	421.7	421.2	421.1	421.4
29°	418.9	418.5	419.6	418.8	418.6	419.1
29.5°	416.5	416.0	417.5	416.6	416.4	416.9
30°	414.2	413.9	415.2	414.3	413.9	414.6
30.5°	411.8	411.9	412.8	411.6	411.5	412.3
31°	409.3	409.3	410.0	409.4	409.2	410.2
31.5°	407.0	407.0	407.3	407.1	406.8	407.8
32°	404.7	404.8	404.8	404.6	404.2	405.1
32.5°	402.5	402.1	402.5	402.5	402.0	402.7
33°	400.0	400.0	399.9	399.9	399.5	399.9
33.5°	397.5	397.4	397.7	397.3	397.1	397.6
34°	394.8	394.7	394.8	395.0	394.3	395.1
34.5°	392.4	392.0	392.3	392.6	391.8	392.6
35°	390.0	389.2	389.5	390.0	389.3	389.7
35.5°	387.4	386.4	386.8	387.3	386.7	387.4
36°	384.5	383.9	384.1	384.5	383.9	384.6
36.5°	381.9	381.2	381.4	381.6	381.4	381.7
37°	379.1	378.5	378.6	378.8	378.7	378.7
37.5°	376.4	375.5	375.8	376.3	376.0	376.0
38°	373.7	372.5	373.0	373.4	373.4	373.3
38.5°	371.1	369.6	370.4	370.2	370.4	370.4
39°	368.2	367.0	367.6	367.5	367.4	367.6
39.5°	365.3	364.2	364.8	364.6	364.6	364.7
40°	362.3	361.4	361.9	361.7	361.5	361.7
40.5°	359.2	358.6	358.8	358.7	358.8	358.9
41°	356.3	356.1	356.0	355.9	355.8	355.8
41.5°	353.2	352.9	353.1	353.1	353.3	353.1
42°	350.1	349.8	350.0	350.1	350.4	349.9
42.5°	347.1	346.5	347.1	346.9	346.8	346.6
43°	344.0	343.4	343.7	343.8	343.5	343.5
43.5°	341.2	340.2	340.9	340.5	340.5	340.3
44°	337.9	336.9	337.8	337.3	337.2	337.1
44.5°	334.9	334.0	334.4	334.1	334.5	334.0

TEST NUMBER: P869670
 CATALOG NUMBER: SMX14SLSFS010-1300LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	331.6	330.7	331.2	331.0	331.1	330.7
45.5°	328.5	327.4	327.9	327.7	327.4	327.2
46°	325.1	324.2	324.6	324.5	324.1	324.1
46.5°	321.8	320.7	321.6	321.2	320.8	321.2
47°	318.4	317.2	318.4	317.9	317.7	318.0
47.5°	315.0	313.8	315.0	314.5	314.7	314.9
48°	311.7	310.6	311.5	311.0	311.5	311.3
48.5°	308.5	307.4	308.1	307.7	308.0	307.8
49°	304.8	304.0	304.6	304.1	304.0	304.3
49.5°	301.4	300.6	301.2	300.7	300.5	300.9
50°	298.1	297.1	297.7	297.3	297.4	297.6
50.5°	294.6	293.6	294.1	293.7	293.7	293.7
51°	291.3	290.0	290.6	290.2	290.0	290.3
51.5°	287.6	286.3	286.8	286.7	286.2	286.7
52°	284.1	282.8	283.4	283.1	282.7	283.2
52.5°	280.2	279.0	279.8	279.7	279.2	279.5
53°	276.8	275.6	275.9	275.9	275.6	275.9
53.5°	273.2	272.0	272.4	272.3	271.9	272.1
54°	269.6	268.3	268.3	268.4	268.4	268.4
54.5°	265.8	264.6	264.9	264.4	264.4	264.5
55°	262.1	261.1	261.1	260.6	260.8	261.0
55.5°	258.4	257.4	257.5	256.8	257.1	257.4
56°	255.0	253.5	253.7	253.0	253.3	253.6
56.5°	251.0	249.7	249.8	249.4	249.6	249.8
57°	247.1	245.7	246.0	245.4	245.7	245.8
57.5°	243.3	241.9	242.2	241.7	241.7	241.7
58°	239.5	238.0	238.1	238.2	237.8	238.1
58.5°	235.6	234.1	234.1	234.3	234.2	234.1
59°	231.7	230.1	230.1	230.4	230.3	230.0
59.5°	227.5	226.2	226.1	226.2	226.4	226.1
60°	223.4	222.3	222.2	222.2	222.2	222.4
60.5°	219.7	218.3	218.2	218.1	218.0	218.6
61°	215.9	214.2	214.4	213.9	214.0	214.3
61.5°	211.8	210.1	210.5	209.8	210.2	210.3
62°	207.7	206.3	206.4	205.8	205.9	206.2
62.5°	203.6	202.1	202.3	201.8	201.7	202.2
63°	199.5	197.9	198.1	197.9	197.6	197.9
63.5°	195.3	193.8	194.1	193.5	193.4	193.9
64°	191.5	189.5	189.8	189.4	189.4	189.7
64.5°	187.0	185.5	185.8	185.4	185.3	185.7
65°	183.1	181.2	181.5	181.2	181.1	181.6
65.5°	178.8	177.1	177.2	176.9	177.0	177.4
66°	174.5	172.7	172.8	172.8	172.8	173.1
66.5°	170.2	168.5	168.6	168.5	168.8	168.7
67°	166.3	164.1	164.4	164.1	164.8	164.3

TEST NUMBER: P869670
 CATALOG NUMBER: SMX14SLSFS010-1300LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	161.9	159.9	160.5	160.0	160.5	160.2
68°	157.6	155.6	156.1	155.6	155.8	155.8
68.5°	153.3	151.7	151.8	151.5	151.5	151.6
69°	149.0	147.4	147.6	147.4	147.4	147.4
69.5°	144.7	143.0	143.3	143.0	143.1	142.8
70°	140.4	138.6	138.8	138.6	138.7	138.5
70.5°	136.4	134.3	134.5	134.5	134.5	134.2
71°	132.2	129.7	130.0	130.0	130.0	129.9
71.5°	127.7	125.6	125.8	125.6	125.6	125.7
72°	123.3	121.3	121.3	121.2	121.1	121.3
72.5°	119.0	117.0	117.0	117.0	116.6	116.8
73°	114.9	112.6	113.0	112.7	112.4	112.6
73.5°	110.6	108.3	108.7	108.3	108.2	108.3
74°	106.4	104.0	104.2	103.8	103.8	103.8
74.5°	102.0	99.7	99.8	99.5	99.4	99.5
75°	97.7	95.3	95.4	95.2	94.9	95.2
75.5°	93.3	91.1	91.1	90.8	90.7	91.0
76°	89.1	86.7	86.8	86.5	86.5	86.7
76.5°	84.9	82.3	82.5	82.4	82.2	82.3
77°	80.6	78.2	78.2	77.9	77.9	78.1
77.5°	76.3	74.2	73.9	73.9	73.9	73.8
78°	72.1	70.0	69.7	69.7	69.7	69.7
78.5°	67.9	65.9	65.6	65.6	65.7	65.6
79°	63.8	61.8	61.5	61.5	61.8	61.5
79.5°	59.8	57.6	57.6	57.5	57.7	57.4
80°	55.7	53.6	53.6	53.4	53.7	53.5
80.5°	51.9	49.7	49.7	49.7	49.6	49.5
81°	47.9	45.7	45.8	45.8	45.7	45.7
81.5°	44.0	41.9	42.1	42.2	41.9	41.9
82°	40.2	38.3	38.4	38.4	38.1	38.2
82.5°	36.7	34.7	34.9	34.7	34.5	34.6
83°	33.2	31.2	31.3	31.2	30.9	31.0
83.5°	29.6	27.8	27.8	27.8	27.5	27.5
84°	26.1	24.6	24.6	24.5	24.3	24.3
84.5°	22.9	21.4	21.4	21.4	21.3	21.3
85°	19.8	18.4	18.5	18.3	18.3	18.3
85.5°	16.8	15.7	15.8	15.7	15.7	15.6
86°	14.4	13.1	13.2	13.2	13.1	13.0
86.5°	11.9	10.6	10.8	10.7	10.6	10.5
87°	9.6	8.3	8.4	8.4	8.3	8.2
87.5°	7.4	6.0	6.1	6.1	6.1	6.0
88°	5.4	4.2	4.4	4.3	4.3	4.2
88.5°	3.7	2.8	2.9	2.9	2.9	2.8
89°	2.3	1.6	1.8	1.8	1.8	1.7
89.5°	1.1	0.9	1.0	1.0	1.0	1.0

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


NVLAP Lab Code: 200050-0



TEST NUMBER: P869670
CATALOG NUMBER: SMX14SLSFS010-1300LM-5000K

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)