

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: P869685

Luminaire Tested: **SMX14SLSFSD2W-1300LM-5000K**

Issue Date: 8/29/2024

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P869685
 Test Lab:
 Issue Date: 8/29/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: SMX14SLSFSD2W-1300LM-5000K
 Description: 14IN SQUARE, 90CRI, DIMMING TO 10%, DAMP LOCATION
 Light Source: SELECTABLE CCT 90CRI / 5000K CCT
 Ballast/Driver: -

Summary

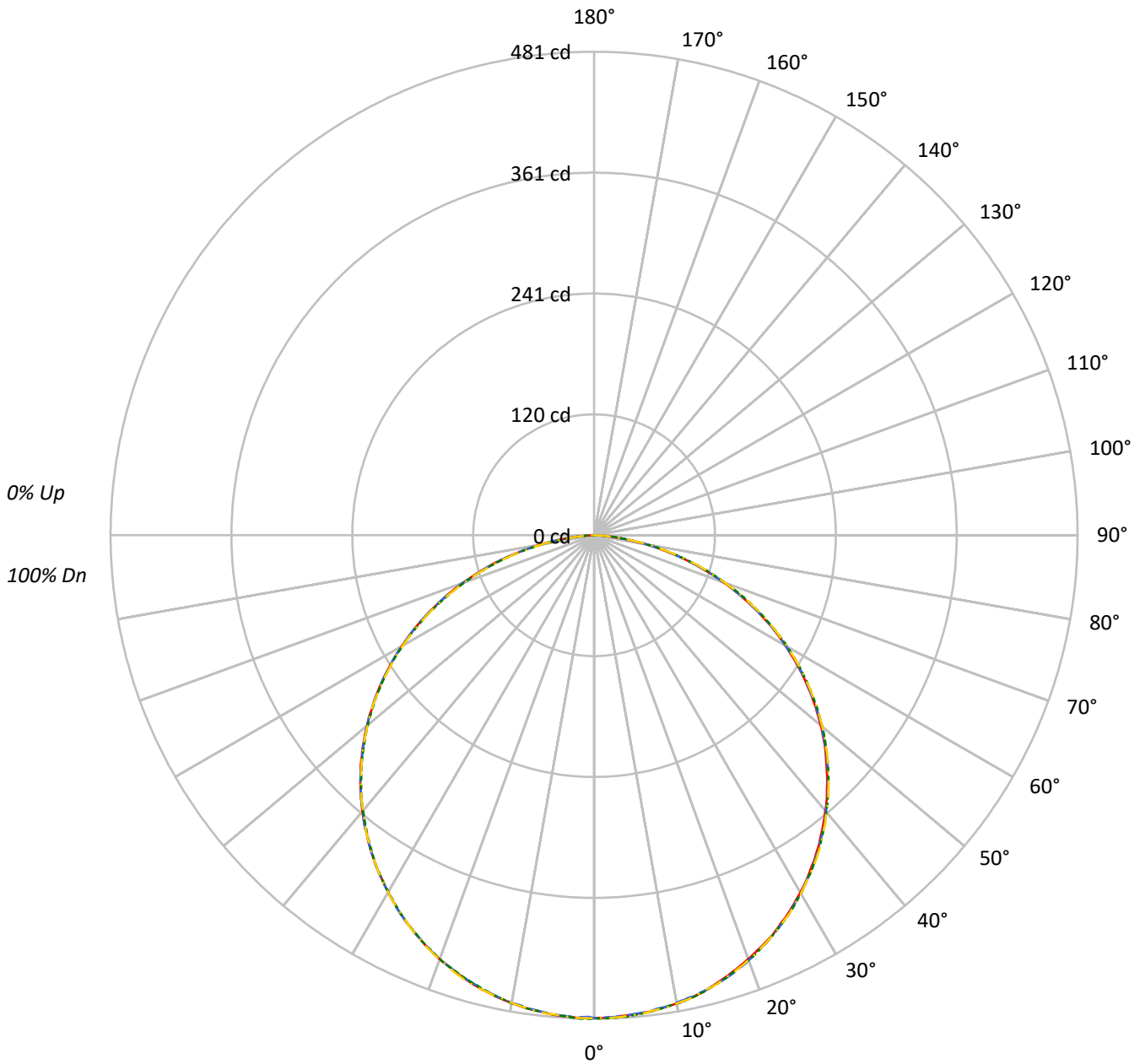
Lumens per Lamp: N/A
 Luminaire Lumens: 1403.9 lumens
 Efficiency: N/A
 Efficacy: 96.2 lumens/watt
 Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
 Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
 CIE Type: Direct

Input Watts (W): 14.6
 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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84
2	99	90	83	78	96	88	82	77	85	80	75	82	77	73	79	75	72	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3798	3798	3798	3798
5°	3794	3800	3797	3796
10°	3797	3797	3795	3793
15°	3788	3792	3788	3781
20°	3772	3781	3775	3773
25°	3762	3768	3759	3759
30°	3745	3756	3742	3737
35°	3720	3736	3723	3716
40°	3693	3709	3700	3690
45°	3657	3683	3673	3657
50°	3621	3646	3627	3615
55°	3559	3587	3573	3561
60°	3479	3512	3495	3478
65°	3361	3398	3387	3353
70°	3166	3224	3217	3168
75°	2877	2944	2947	2880
80°	2408	2503	2494	2412
85°	1641	1741	1732	1650

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.5	3.2
10°-20°	130.7	9.3
20°-30°	199.0	14.2
30°-40°	241.6	17.2
40°-50°	253.2	18.0
50°-60°	231.5	16.5
60°-70°	178.3	12.7
70°-80°	100.8	7.2
80°-90°	23.4	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°	375.1	26.7
0°-40°	616.7	43.9
0°-60°	1101.4	78.5
0°-90°	1403.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1403.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	480	480	480	480	480	
5°	478	479	479	478	478	45
15°	463	463	463	462	463	131
25°	431	432	431	431	431	199
35°	386	387	386	385	386	241
45°	327	330	329	327	327	253
55°	258	260	259	258	258	231
65°	180	182	181	179	180	177
75°	94	96	96	94	94	100
85°	18	19	19	18	18	23
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°	480.5	480.5	480.5	480.5	480.5	480.5	480.5	480.5	480.5	480.5	480.5
0.5°	480.3	481.1	479.8	480.4	480.9	480.6	480.6	480.6	480.3	480.9	479.3
1°	480.3	481.2	480.1	480.1	480.9	480.4	480.4	480.3	480.4	480.4	479.4
1.5°	480.0	480.7	479.8	479.9	480.8	480.3	480.7	480.0	480.2	480.5	479.5
2°	480.0	480.6	479.7	480.0	480.6	480.0	480.5	479.8	480.3	480.6	479.4
2.5°	479.8	480.6	479.6	479.5	480.7	480.2	480.3	479.8	479.8	480.5	479.3
3°	479.1	480.4	479.1	479.4	480.2	479.9	480.0	479.7	479.7	480.0	479.2
3.5°	478.9	479.9	479.2	479.2	480.0	479.5	479.7	479.5	479.4	480.0	479.0
4°	478.8	479.5	478.6	478.6	480.0	479.4	479.4	479.4	479.2	479.5	478.9
4.5°	478.5	479.3	478.3	478.5	479.3	479.1	479.1	478.9	479.1	479.8	478.2
5°	478.2	479.0	477.7	478.3	478.9	478.8	479.0	478.5	478.6	479.1	478.1
5.5°	477.9	478.5	477.6	477.9	478.5	478.4	478.8	477.8	478.2	478.6	477.7
6°	477.6	478.0	477.2	477.5	478.1	477.6	478.1	477.5	477.6	477.9	477.3
6.5°	477.3	477.9	476.6	477.0	477.6	476.8	477.6	477.1	477.0	477.4	476.6
7°	476.7	477.3	476.2	476.5	477.0	476.6	476.7	476.4	476.7	476.8	476.0
7.5°	476.2	476.5	475.3	475.8	476.4	475.9	476.2	475.8	476.1	476.4	475.5
8°	475.3	475.9	474.9	475.2	475.7	475.3	475.7	475.3	475.5	475.8	474.7
8.5°	474.9	475.3	474.7	474.4	475.0	474.9	475.1	474.3	474.9	474.9	473.9
9°	474.4	474.8	473.8	473.9	474.4	474.0	474.7	473.6	474.1	474.4	473.3
9.5°	473.7	473.9	473.1	473.2	473.7	473.1	473.7	473.0	473.3	473.9	472.8
10°	473.1	472.8	472.3	472.6	473.1	472.8	473.1	472.4	472.8	473.1	472.4
10.5°	472.5	472.3	471.3	471.8	472.8	471.9	472.2	471.5	471.8	472.2	471.4
11°	471.8	471.2	470.8	471.1	471.9	471.2	471.8	470.6	471.0	471.6	470.4
11.5°	470.9	470.6	469.7	470.0	471.0	470.6	471.2	469.7	470.0	470.4	469.6
12°	469.9	470.0	468.9	469.5	470.0	469.6	469.8	468.6	469.2	469.2	468.8
12.5°	468.9	469.2	468.3	468.4	469.3	469.0	468.8	467.8	468.3	468.3	467.6
13°	468.0	468.3	467.3	467.5	468.1	467.9	467.9	467.0	467.1	467.4	466.5
13.5°	467.0	467.4	466.6	466.1	467.2	466.5	466.3	465.8	466.4	466.6	465.6
14°	465.7	466.2	465.5	465.1	466.0	465.6	465.3	464.4	465.4	465.4	464.3
14.5°	464.3	464.9	464.4	463.9	464.6	464.4	464.6	463.4	463.8	464.4	462.9
15°	462.9	464.0	463.6	463.1	463.4	463.6	463.7	461.8	463.0	463.4	462.1
15.5°	461.5	462.8	462.6	461.5	462.3	462.3	462.3	460.7	461.5	462.2	460.9
16°	460.1	461.1	461.3	460.2	460.8	460.8	460.7	460.0	460.1	460.7	459.8
16.5°	458.8	459.5	460.0	459.1	459.8	459.5	459.4	458.8	458.9	459.3	458.7
17°	457.5	458.2	458.9	457.6	458.3	458.1	458.2	457.6	457.6	457.7	457.4
17.5°	456.0	456.7	457.6	455.9	456.8	456.7	457.0	456.1	455.9	456.5	456.1
18°	454.7	455.0	456.2	454.7	455.4	455.4	455.6	454.6	454.4	454.9	454.5
18.5°	453.2	453.7	455.0	453.4	454.2	453.8	454.1	453.5	452.9	453.7	453.0
19°	451.6	452.0	453.3	451.9	452.5	452.6	452.7	452.1	451.6	452.2	451.8
19.5°	450.1	450.4	451.8	450.1	451.0	451.3	451.2	450.4	450.5	450.7	450.5
20°	448.5	449.1	450.0	448.7	449.5	449.8	449.7	449.1	448.8	449.2	448.8
20.5°	447.1	447.8	448.6	447.0	448.3	448.5	448.2	447.4	447.4	447.4	447.4
21°	445.5	445.8	447.1	445.7	446.7	446.5	446.5	446.1	445.7	445.9	445.6
21.5°	443.7	444.3	445.3	443.8	444.9	444.6	444.6	444.3	443.8	444.2	443.8
22°	442.2	442.6	442.8	442.3	443.2	442.7	443.0	443.0	442.3	442.3	442.0

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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°	440.6	441.1	441.7	440.7	441.5	440.9	441.4	441.0	440.5	440.5	440.1
23°	438.9	439.4	439.8	438.8	439.8	439.2	439.7	439.1	438.9	438.6	438.1
23.5°	437.4	437.7	438.1	437.1	438.0	437.6	437.9	437.2	436.7	436.8	436.7
24°	435.7	435.8	436.0	435.3	436.1	436.0	436.2	435.5	435.0	435.3	434.8
24.5°	433.7	433.9	434.3	433.4	434.3	434.3	434.6	433.8	433.1	433.8	433.1
25°	431.4	432.2	432.5	431.4	432.1	432.3	432.5	431.9	431.0	431.5	431.1
25.5°	429.5	430.4	430.4	429.5	430.4	430.4	430.4	429.7	429.5	429.5	429.4
26°	427.2	428.2	428.3	427.2	428.5	428.5	428.6	427.7	427.4	427.9	427.5
26.5°	425.5	426.2	426.5	425.3	426.7	426.3	426.5	425.4	425.2	425.6	425.2
27°	423.5	424.3	424.1	423.7	424.8	424.3	424.8	423.7	423.1	423.5	423.4
27.5°	421.5	422.1	422.1	421.6	422.5	422.1	422.8	421.7	421.3	421.6	421.1
28°	419.2	419.8	419.9	419.4	420.5	420.3	420.3	419.5	419.0	419.7	419.2
28.5°	417.0	417.6	417.6	417.7	418.4	418.0	418.2	417.6	416.6	417.6	417.0
29°	414.7	415.5	415.7	415.3	415.9	415.6	415.9	415.3	414.3	415.4	414.4
29.5°	412.6	413.2	413.4	413.3	413.7	413.5	413.9	412.9	412.3	413.4	412.1
30°	410.3	410.9	411.1	411.0	411.6	411.4	411.7	410.9	410.0	410.7	409.8
30.5°	408.0	408.6	409.0	409.0	409.2	409.2	409.2	408.6	407.7	408.4	407.6
31°	405.9	406.2	406.3	406.8	406.7	407.0	406.7	406.3	405.3	406.2	405.5
31.5°	403.5	404.0	404.1	404.4	404.3	404.5	404.4	403.8	402.8	403.6	403.1
32°	400.9	401.7	401.8	401.9	401.7	402.2	402.1	401.3	400.4	401.2	400.7
32.5°	398.5	399.4	399.6	399.8	399.8	399.8	400.0	399.2	398.5	399.2	398.2
33°	395.7	396.8	396.8	397.3	397.4	397.3	397.4	396.7	396.0	396.8	396.0
33.5°	393.4	394.4	394.7	394.8	394.9	394.5	395.1	394.2	393.5	394.4	393.4
34°	391.0	392.1	392.0	392.3	392.3	392.1	392.8	391.4	390.9	391.5	390.9
34.5°	388.5	389.2	389.5	389.8	389.9	389.7	390.4	388.8	388.5	388.9	388.6
35°	385.6	386.1	386.7	387.1	387.2	387.3	388.0	386.6	385.9	386.2	385.9
35.5°	383.3	383.6	384.1	384.2	384.8	384.9	385.3	383.8	383.5	383.5	383.2
36°	380.6	381.0	381.2	381.7	382.0	381.9	382.6	381.1	380.7	380.9	380.6
36.5°	377.7	378.8	378.6	379.1	379.4	379.0	380.0	378.4	377.9	378.1	377.6
37°	374.7	375.8	376.1	376.4	376.7	376.6	377.3	375.3	374.9	375.5	375.1
37.5°	372.1	373.2	373.5	373.7	373.7	373.7	374.3	372.9	372.2	372.8	372.5
38°	369.4	370.6	370.7	370.7	371.1	370.8	371.3	370.3	369.8	370.2	369.8
38.5°	366.5	367.6	367.7	367.8	368.2	367.9	368.6	367.4	367.1	367.3	367.2
39°	363.7	364.9	364.8	365.0	365.4	365.1	365.8	364.5	364.3	364.4	364.1
39.5°	360.8	361.9	361.9	361.8	362.5	362.8	362.6	361.7	361.6	361.4	361.2
40°	357.9	358.7	359.0	359.0	359.5	360.0	359.8	359.2	358.6	358.7	358.5
40.5°	355.2	356.1	356.2	355.9	356.5	357.1	357.2	356.4	355.6	355.8	355.5
41°	352.1	353.1	353.2	353.1	353.9	354.1	354.1	353.4	352.5	352.9	352.6
41.5°	349.4	350.1	350.4	349.9	350.9	351.4	351.4	350.4	349.9	350.0	349.8
42°	346.2	347.0	347.3	347.0	347.6	348.3	348.2	347.6	347.2	346.8	346.8
42.5°	343.0	343.9	344.4	343.8	344.7	345.2	345.0	344.5	344.0	343.6	343.7
43°	340.0	340.8	341.4	340.8	341.8	342.0	341.9	341.3	340.8	340.5	340.7
43.5°	336.8	337.9	338.2	337.7	338.8	338.8	338.9	338.3	337.9	337.4	337.5
44°	333.6	334.7	335.0	334.7	335.6	335.7	335.8	335.2	334.6	334.3	334.4
44.5°	330.5	331.4	331.9	331.4	332.5	332.7	332.7	332.1	331.6	331.2	331.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	327.2	328.3	328.8	328.3	329.5	329.7	329.4	328.9	328.6	328.2	327.9
45.5°	323.8	325.0	325.8	325.2	326.4	326.5	326.1	325.9	325.3	325.0	324.6
46°	320.7	322.2	322.3	322.1	323.1	323.1	323.0	322.5	321.9	321.6	321.5
46.5°	317.9	318.8	319.0	318.9	319.8	319.8	320.0	319.2	318.6	318.7	318.2
47°	314.7	315.5	315.6	315.6	316.4	316.5	316.7	315.8	315.5	315.2	314.9
47.5°	311.6	312.4	312.2	312.1	313.1	313.4	313.2	312.5	312.2	311.9	311.4
48°	308.0	308.9	308.8	308.9	309.8	310.2	309.9	309.3	308.6	308.7	308.0
48.5°	304.6	305.5	305.5	305.3	306.6	306.6	306.6	306.0	305.2	305.3	304.9
49°	301.1	302.2	302.0	302.0	303.4	303.2	303.1	302.5	302.0	302.0	301.5
49.5°	297.8	298.8	298.7	298.5	299.9	299.7	299.8	299.4	298.5	298.8	298.0
50°	294.5	295.3	295.3	295.0	296.5	296.5	296.4	295.7	295.0	295.2	294.8
50.5°	290.7	291.9	291.8	291.6	293.0	292.9	292.9	292.3	291.6	291.7	291.4
51°	287.3	288.2	288.2	288.0	289.4	289.4	289.5	288.7	288.1	288.3	288.1
51.5°	283.7	284.7	284.8	284.6	285.9	285.8	286.0	285.2	284.5	284.7	284.2
52°	280.2	281.3	281.1	281.1	282.2	282.4	282.5	281.6	280.7	281.1	280.7
52.5°	276.6	277.6	277.6	277.6	278.8	279.0	278.8	278.0	277.3	277.9	277.1
53°	273.0	274.0	273.8	273.7	275.0	275.3	275.0	274.4	274.0	274.2	273.7
53.5°	269.3	270.3	270.2	270.0	271.3	271.4	271.3	271.0	270.3	270.8	270.0
54°	265.6	266.4	266.5	266.3	267.7	267.8	267.7	267.4	266.5	267.0	266.5
54.5°	261.7	262.6	262.9	262.8	264.1	264.1	264.0	263.5	262.8	263.2	263.0
55°	258.3	259.1	258.8	259.2	260.3	260.4	260.4	259.9	259.3	259.5	259.4
55.5°	254.7	255.3	255.3	255.3	256.5	256.9	256.4	255.9	255.6	256.1	255.6
56°	250.9	251.7	251.4	251.7	252.8	253.2	253.2	252.5	252.0	252.3	251.9
56.5°	247.2	247.9	247.8	248.0	249.1	249.5	249.4	248.6	248.1	248.5	248.0
57°	243.2	243.8	244.0	244.3	245.3	245.8	245.5	244.9	244.1	244.7	244.3
57.5°	239.2	239.9	240.1	240.3	241.6	241.7	241.7	241.0	240.5	240.8	240.7
58°	235.6	236.1	236.2	236.3	237.6	238.0	237.6	237.4	236.6	236.8	237.0
58.5°	231.6	232.4	232.5	232.5	233.8	234.3	233.4	233.4	232.8	233.0	233.1
59°	227.6	228.6	228.2	228.3	230.1	230.1	229.8	229.5	229.0	229.3	229.2
59.5°	223.7	224.4	224.3	224.4	226.2	226.1	225.9	225.6	224.9	225.5	225.2
60°	220.1	220.5	220.2	220.4	222.2	222.2	222.0	221.9	221.1	221.4	221.3
60.5°	216.4	216.5	216.4	216.2	218.2	218.2	217.7	217.7	216.8	217.4	217.3
61°	212.0	212.3	212.5	212.2	214.1	214.5	213.8	214.1	213.2	213.4	213.2
61.5°	208.1	208.4	208.6	208.2	210.1	210.5	209.8	209.9	209.3	209.6	209.2
62°	204.1	204.4	204.7	204.4	206.2	206.5	206.2	206.1	205.4	205.6	205.6
62.5°	200.1	200.2	200.6	200.2	201.9	202.3	202.0	202.0	201.3	201.6	201.4
63°	195.9	196.1	196.5	196.3	197.9	198.4	198.0	198.0	197.3	197.5	197.2
63.5°	191.9	192.2	192.4	192.2	193.8	194.4	194.0	194.0	193.4	193.4	193.3
64°	187.7	188.1	188.3	188.1	189.9	190.2	189.9	189.7	189.3	189.4	189.1
64.5°	183.8	184.2	184.3	184.0	185.8	185.9	185.7	185.5	185.2	185.2	185.0
65°	179.7	180.1	180.0	179.9	181.7	182.1	181.8	181.4	181.1	181.3	181.1
65.5°	175.5	175.8	175.8	175.5	177.8	177.6	177.4	177.2	176.8	177.2	177.1
66°	171.3	171.6	171.6	171.3	173.5	173.4	172.9	172.9	172.6	173.1	172.9
66.5°	167.0	167.4	167.1	167.1	169.2	169.2	169.0	168.7	168.6	168.9	168.5
67°	162.6	162.9	163.0	162.9	164.9	165.2	164.9	164.7	164.4	164.6	164.6

TEST NUMBER: P869685
 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	158.5	158.9	158.8	158.7	160.7	160.9	160.5	160.4	160.2	160.5	160.2
68°	154.2	154.6	154.5	154.6	156.5	156.8	156.4	156.2	156.4	156.3	156.0
68.5°	150.0	150.3	150.3	150.2	152.4	152.6	152.2	152.0	152.2	152.2	151.7
69°	145.8	146.1	146.1	145.9	148.3	148.4	148.0	147.8	147.8	147.7	147.3
69.5°	141.3	141.7	141.8	141.6	143.8	144.1	143.7	143.4	143.5	143.5	143.2
70°	137.0	137.5	137.4	137.2	139.5	139.8	139.3	139.0	139.2	139.3	138.8
70.5°	132.8	133.2	132.8	133.1	135.3	135.6	135.1	135.0	135.1	134.9	134.7
71°	128.5	128.7	128.6	128.6	131.0	131.3	130.6	130.8	130.7	130.7	130.4
71.5°	124.4	124.6	124.3	124.2	126.7	126.8	126.5	126.4	126.5	126.2	126.1
72°	120.1	120.2	120.0	119.9	122.3	122.5	122.2	122.2	122.3	122.0	121.8
72.5°	115.6	116.1	115.9	115.5	118.1	118.2	118.0	117.8	118.0	117.7	117.5
73°	111.4	111.7	111.5	111.4	113.8	114.0	113.7	113.6	113.6	113.5	113.2
73.5°	107.1	107.4	107.1	107.1	109.6	109.8	109.7	109.5	109.4	109.3	109.2
74°	102.8	103.0	102.9	102.9	105.3	105.6	105.5	105.1	105.2	104.9	104.8
74.5°	98.5	98.9	98.6	98.6	101.0	101.3	100.9	100.8	100.8	100.8	100.6
75°	94.2	94.5	94.4	94.2	96.4	96.8	96.7	96.5	96.5	96.5	96.4
75.5°	90.0	90.1	90.0	89.9	92.2	92.5	92.3	92.3	92.2	92.2	92.2
76°	85.8	85.9	85.8	85.8	87.9	88.3	87.9	88.0	88.0	87.9	87.8
76.5°	81.4	81.6	81.7	81.4	83.8	83.9	83.7	83.8	83.8	83.7	83.8
77°	77.2	77.4	77.2	77.2	79.5	79.8	79.6	79.5	79.5	79.6	79.6
77.5°	73.1	73.4	73.2	73.2	75.2	75.5	75.3	75.4	75.3	75.5	75.5
78°	68.9	69.2	68.9	69.0	71.1	71.3	71.2	71.1	70.9	71.3	71.2
78.5°	64.9	65.0	64.9	65.0	67.2	67.2	67.2	66.9	66.8	67.1	67.1
79°	60.8	61.0	60.8	61.1	63.2	63.3	63.1	63.1	62.8	63.1	63.0
79.5°	56.8	57.0	56.9	57.0	59.2	59.2	59.0	59.0	58.8	59.1	59.1
80°	52.9	53.0	52.9	52.9	55.0	55.2	54.9	54.9	54.8	55.1	55.0
80.5°	49.0	49.0	49.0	48.9	51.0	51.3	51.1	51.0	50.9	51.1	51.2
81°	45.2	45.3	45.2	44.9	47.1	47.4	47.2	47.1	47.1	47.3	47.4
81.5°	41.4	41.5	41.4	41.2	43.3	43.5	43.3	43.2	43.2	43.5	43.5
82°	37.8	37.8	37.8	37.5	39.6	39.7	39.6	39.4	39.4	39.6	39.8
82.5°	34.3	34.3	34.1	34.0	36.0	36.2	36.0	35.9	35.9	36.1	36.3
83°	30.7	30.8	30.6	30.3	32.5	32.5	32.5	32.3	32.3	32.6	32.8
83.5°	27.2	27.4	27.2	27.1	28.8	29.0	28.9	28.9	28.9	29.0	29.3
84°	24.1	24.2	24.0	23.7	25.5	25.6	25.6	25.4	25.4	25.6	25.9
84.5°	21.1	21.1	21.0	20.8	22.3	22.6	22.3	22.3	22.2	22.4	22.6
85°	18.1	18.1	18.1	17.8	19.2	19.3	19.3	19.2	19.1	19.3	19.5
85.5°	15.4	15.4	15.4	15.2	16.3	16.3	16.3	16.3	16.2	16.3	16.6
86°	12.9	12.9	12.8	12.6	13.9	13.9	13.9	13.8	13.8	14.0	14.1
86.5°	10.4	10.5	10.4	10.2	11.6	11.6	11.6	11.4	11.5	11.7	11.7
87°	8.1	8.1	8.1	7.9	9.2	9.3	9.3	9.2	9.2	9.3	9.4
87.5°	5.9	5.9	5.9	5.7	7.1	7.1	7.1	7.0	6.9	7.1	7.2
88°	4.1	4.2	4.1	4.0	5.1	5.1	5.1	5.1	5.1	5.2	5.3
88.5°	2.8	2.8	2.8	2.6	3.5	3.7	3.5	3.4	3.4	3.5	3.6
89°	1.7	1.7	1.7	1.7	2.0	2.2	2.0	2.0	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: P869685
CATALOG NUMBER: SMX14SLSFSD2W-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: P869685
 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	480.5	480.5	480.5	480.5	480.5	480.5
0.5°	480.1	481.2	480.7	480.5	480.4	480.3
1°	480.0	481.0	481.2	480.3	480.1	480.3
1.5°	480.1	481.2	480.8	480.6	479.8	480.0
2°	479.8	480.7	480.4	480.3	479.9	480.0
2.5°	479.9	480.4	480.1	479.8	480.1	479.8
3°	479.7	479.8	479.7	479.7	479.9	479.1
3.5°	479.2	479.4	479.7	479.2	479.8	478.9
4°	479.1	479.2	479.7	478.8	479.2	478.8
4.5°	478.7	478.8	479.0	478.6	479.0	478.5
5°	477.9	478.5	478.3	478.4	478.3	478.2
5.5°	477.4	478.0	478.0	478.5	478.0	477.9
6°	476.7	477.5	477.3	477.8	477.6	477.6
6.5°	476.5	476.8	476.8	477.4	476.8	477.3
7°	475.9	476.4	476.2	476.6	476.2	476.7
7.5°	475.9	476.0	475.8	475.9	476.0	476.2
8°	474.9	475.6	474.9	475.3	475.2	475.3
8.5°	474.2	474.9	474.6	474.8	474.3	474.9
9°	473.4	474.0	474.0	473.9	473.7	474.4
9.5°	472.5	473.5	473.0	473.2	473.0	473.7
10°	472.1	472.6	472.1	472.4	472.5	473.1
10.5°	471.1	471.8	471.5	471.6	472.0	472.5
11°	470.3	470.6	470.9	470.7	471.0	471.8
11.5°	469.4	469.5	470.2	469.4	470.3	470.9
12°	468.4	468.8	469.3	468.7	469.4	469.9
12.5°	467.6	467.8	468.3	468.2	469.0	468.9
13°	466.8	466.8	467.3	467.1	467.8	468.0
13.5°	465.7	465.6	466.0	466.3	466.7	467.0
14°	464.7	464.3	464.7	465.6	465.6	465.7
14.5°	463.3	463.1	463.2	464.3	464.3	464.3
15°	462.3	462.1	461.9	463.4	462.9	462.9
15.5°	461.0	460.9	460.9	462.4	461.7	461.5
16°	459.8	459.7	459.4	461.3	460.0	460.1
16.5°	458.5	458.3	458.3	460.0	458.8	458.8
17°	457.1	457.0	457.0	458.4	457.4	457.5
17.5°	455.8	455.8	455.5	457.0	455.8	456.0
18°	454.4	454.4	454.3	455.6	454.6	454.7
18.5°	453.1	453.1	452.9	453.9	452.9	453.2
19°	451.8	451.8	451.5	452.4	451.2	451.6
19.5°	450.0	450.2	450.3	450.8	449.8	450.1
20°	448.6	448.6	449.1	449.1	448.4	448.5
20.5°	446.8	447.0	447.6	447.6	447.1	447.1
21°	445.3	445.2	445.9	446.1	445.5	445.5
21.5°	443.6	443.5	444.6	444.4	444.2	443.7
22°	442.1	442.1	443.1	442.6	442.4	442.2

TEST NUMBER: P869685
 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	440.1	440.2	441.2	440.8	440.7	440.6
23°	438.5	438.5	439.2	438.8	438.9	438.9
23.5°	437.0	436.7	437.8	437.1	437.2	437.4
24°	435.1	434.7	436.1	435.0	435.0	435.7
24.5°	433.2	432.9	433.5	433.4	433.2	433.7
25°	431.0	431.0	431.7	431.2	431.0	431.4
25.5°	429.1	429.1	429.7	429.3	429.1	429.5
26°	426.8	427.1	427.3	427.1	427.0	427.2
26.5°	424.9	424.9	425.3	424.9	424.9	425.5
27°	422.9	422.9	423.4	422.9	422.9	423.5
27.5°	421.2	420.8	421.5	420.8	420.8	421.5
28°	418.9	418.5	419.4	418.6	418.5	419.2
28.5°	416.8	416.2	417.3	416.8	416.7	417.0
29°	414.5	414.1	415.2	414.4	414.3	414.7
29.5°	412.2	411.7	413.1	412.3	412.0	412.6
30°	409.9	409.5	410.9	410.0	409.5	410.3
30.5°	407.5	407.6	408.5	407.3	407.2	408.0
31°	405.0	405.0	405.7	405.2	404.9	405.9
31.5°	402.8	402.7	403.1	402.9	402.6	403.5
32°	400.5	400.6	400.6	400.4	400.0	400.9
32.5°	398.3	397.9	398.3	398.3	397.8	398.5
33°	395.8	395.8	395.8	395.8	395.3	395.7
33.5°	393.4	393.2	393.5	393.2	392.9	393.4
34°	390.7	390.6	390.7	390.9	390.2	391.0
34.5°	388.3	387.9	388.2	388.5	387.7	388.5
35°	385.9	385.1	385.4	385.9	385.2	385.6
35.5°	383.3	382.3	382.8	383.2	382.6	383.3
36°	380.5	379.9	380.1	380.4	379.9	380.6
36.5°	377.9	377.2	377.4	377.6	377.4	377.7
37°	375.1	374.6	374.7	374.9	374.7	374.7
37.5°	372.5	371.6	371.9	372.3	372.0	372.1
38°	369.8	368.6	369.1	369.5	369.5	369.4
38.5°	367.2	365.8	366.5	366.4	366.5	366.5
39°	364.4	363.2	363.7	363.7	363.6	363.7
39.5°	361.5	360.4	361.0	360.8	360.8	360.8
40°	358.5	357.6	358.1	357.9	357.7	357.9
40.5°	355.4	354.9	355.0	354.9	355.0	355.2
41°	352.5	352.3	352.3	352.2	352.1	352.1
41.5°	349.5	349.2	349.4	349.4	349.6	349.4
42°	346.5	346.1	346.3	346.4	346.8	346.2
42.5°	343.5	342.9	343.4	343.3	343.2	343.0
43°	340.4	339.8	340.1	340.2	340.0	340.0
43.5°	337.6	336.7	337.3	337.0	336.9	336.8
44°	334.4	333.4	334.3	333.7	333.7	333.6
44.5°	331.4	330.5	330.9	330.6	331.0	330.5

TEST NUMBER: P869685
 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	328.2	327.2	327.7	327.5	327.6	327.2
45.5°	325.1	324.0	324.5	324.3	324.0	323.8
46°	321.7	320.8	321.2	321.1	320.7	320.7
46.5°	318.4	317.4	318.2	317.8	317.4	317.9
47°	315.1	313.9	315.1	314.6	314.4	314.7
47.5°	311.7	310.5	311.7	311.2	311.4	311.6
48°	308.4	307.3	308.3	307.8	308.2	308.0
48.5°	305.3	304.1	304.9	304.4	304.8	304.6
49°	301.6	300.8	301.4	301.0	300.8	301.1
49.5°	298.3	297.4	298.1	297.6	297.4	297.8
50°	295.0	294.0	294.6	294.1	294.3	294.5
50.5°	291.5	290.5	291.0	290.7	290.7	290.7
51°	288.2	287.0	287.6	287.2	287.0	287.3
51.5°	284.6	283.3	283.8	283.7	283.2	283.7
52°	281.1	279.8	280.4	280.1	279.7	280.2
52.5°	277.3	276.1	276.8	276.8	276.2	276.6
53°	273.9	272.7	273.0	273.1	272.7	273.0
53.5°	270.4	269.2	269.5	269.4	269.1	269.3
54°	266.8	265.5	265.5	265.6	265.6	265.6
54.5°	263.1	261.8	262.1	261.6	261.6	261.7
55°	259.3	258.4	258.4	257.9	258.0	258.3
55.5°	255.7	254.7	254.8	254.1	254.4	254.7
56°	252.3	250.8	251.0	250.3	250.7	250.9
56.5°	248.4	247.1	247.2	246.8	247.0	247.2
57°	244.6	243.1	243.4	242.9	243.1	243.2
57.5°	240.7	239.4	239.6	239.2	239.2	239.2
58°	237.0	235.5	235.6	235.8	235.3	235.6
58.5°	233.1	231.7	231.7	231.9	231.7	231.6
59°	229.3	227.7	227.7	228.0	227.9	227.6
59.5°	225.2	223.8	223.7	223.8	224.0	223.7
60°	221.1	220.0	219.9	219.9	219.9	220.1
60.5°	217.4	216.1	215.9	215.8	215.7	216.4
61°	213.6	212.0	212.2	211.7	211.7	212.0
61.5°	209.6	207.9	208.3	207.6	208.0	208.1
62°	205.5	204.1	204.3	203.6	203.7	204.1
62.5°	201.5	200.0	200.2	199.7	199.6	200.1
63°	197.4	195.8	196.0	195.8	195.5	195.9
63.5°	193.2	191.7	192.0	191.5	191.4	191.9
64°	189.5	187.6	187.9	187.4	187.4	187.7
64.5°	185.0	183.5	183.8	183.5	183.4	183.8
65°	181.2	179.3	179.6	179.3	179.2	179.7
65.5°	177.0	175.2	175.3	175.0	175.2	175.5
66°	172.6	170.9	171.0	171.0	171.0	171.3
66.5°	168.4	166.7	166.8	166.8	167.1	167.0
67°	164.6	162.3	162.7	162.4	163.1	162.6

TEST NUMBER: P869685
 CATALOG NUMBER: SMX14SLSFSD2W-1300LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	160.2	158.2	158.8	158.3	158.8	158.5
68°	156.0	154.0	154.4	154.0	154.1	154.2
68.5°	151.7	150.1	150.2	149.9	149.9	150.0
69°	147.4	145.9	146.1	145.9	145.9	145.8
69.5°	143.2	141.5	141.8	141.5	141.6	141.3
70°	138.9	137.1	137.4	137.2	137.2	137.0
70.5°	135.0	132.9	133.1	133.1	133.1	132.8
71°	130.8	128.3	128.6	128.7	128.7	128.5
71.5°	126.4	124.3	124.5	124.3	124.3	124.4
72°	122.0	120.0	120.0	119.9	119.8	120.1
72.5°	117.8	115.8	115.8	115.8	115.3	115.6
73°	113.7	111.4	111.8	111.5	111.2	111.4
73.5°	109.5	107.1	107.5	107.2	107.1	107.1
74°	105.3	102.9	103.1	102.7	102.8	102.8
74.5°	101.0	98.6	98.8	98.5	98.3	98.5
75°	96.7	94.3	94.4	94.2	94.0	94.2
75.5°	92.3	90.1	90.2	89.8	89.7	90.0
76°	88.1	85.8	85.9	85.6	85.6	85.8
76.5°	84.0	81.4	81.6	81.5	81.4	81.4
77°	79.8	77.4	77.4	77.1	77.1	77.2
77.5°	75.5	73.4	73.2	73.1	73.2	73.1
78°	71.3	69.2	68.9	69.0	69.0	68.9
78.5°	67.2	65.2	64.9	64.9	65.0	64.9
79°	63.2	61.2	60.8	60.9	61.1	60.8
79.5°	59.2	57.0	57.0	56.9	57.1	56.8
80°	55.2	53.0	53.0	52.9	53.1	52.9
80.5°	51.3	49.2	49.2	49.2	49.0	49.0
81°	47.4	45.3	45.3	45.3	45.2	45.2
81.5°	43.5	41.5	41.7	41.7	41.4	41.4
82°	39.8	37.9	38.0	38.0	37.7	37.8
82.5°	36.3	34.3	34.5	34.3	34.1	34.3
83°	32.8	30.9	31.0	30.9	30.6	30.7
83.5°	29.3	27.5	27.5	27.5	27.2	27.2
84°	25.9	24.3	24.3	24.3	24.1	24.1
84.5°	22.6	21.1	21.2	21.1	21.1	21.1
85°	19.6	18.2	18.3	18.1	18.1	18.1
85.5°	16.6	15.6	15.6	15.6	15.6	15.4
86°	14.3	12.9	13.1	13.1	12.9	12.9
86.5°	11.8	10.5	10.7	10.5	10.5	10.4
87°	9.5	8.2	8.3	8.3	8.2	8.1
87.5°	7.4	5.9	6.0	6.0	6.0	5.9
88°	5.4	4.2	4.3	4.3	4.3	4.1
88.5°	3.7	2.8	2.9	2.9	2.9	2.8
89°	2.3	1.6	1.7	1.7	1.7	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



TEST NUMBER: P869685
CATALOG NUMBER: SMX14SLSFSD2W-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)