

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: P869655

Luminaire Tested: **SMX14RLSFSD2W-1300LM-5000K**

Issue Date: 8/29/2024

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P869655
 Test Lab:
 Issue Date: 8/29/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: SMX14RLSFSD2W-1300LM-5000K
 Description: 14IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION
 Light Source: SELECTABLE CCT 90CRI / 5000K CCT
 Ballast/Driver: -

Summary

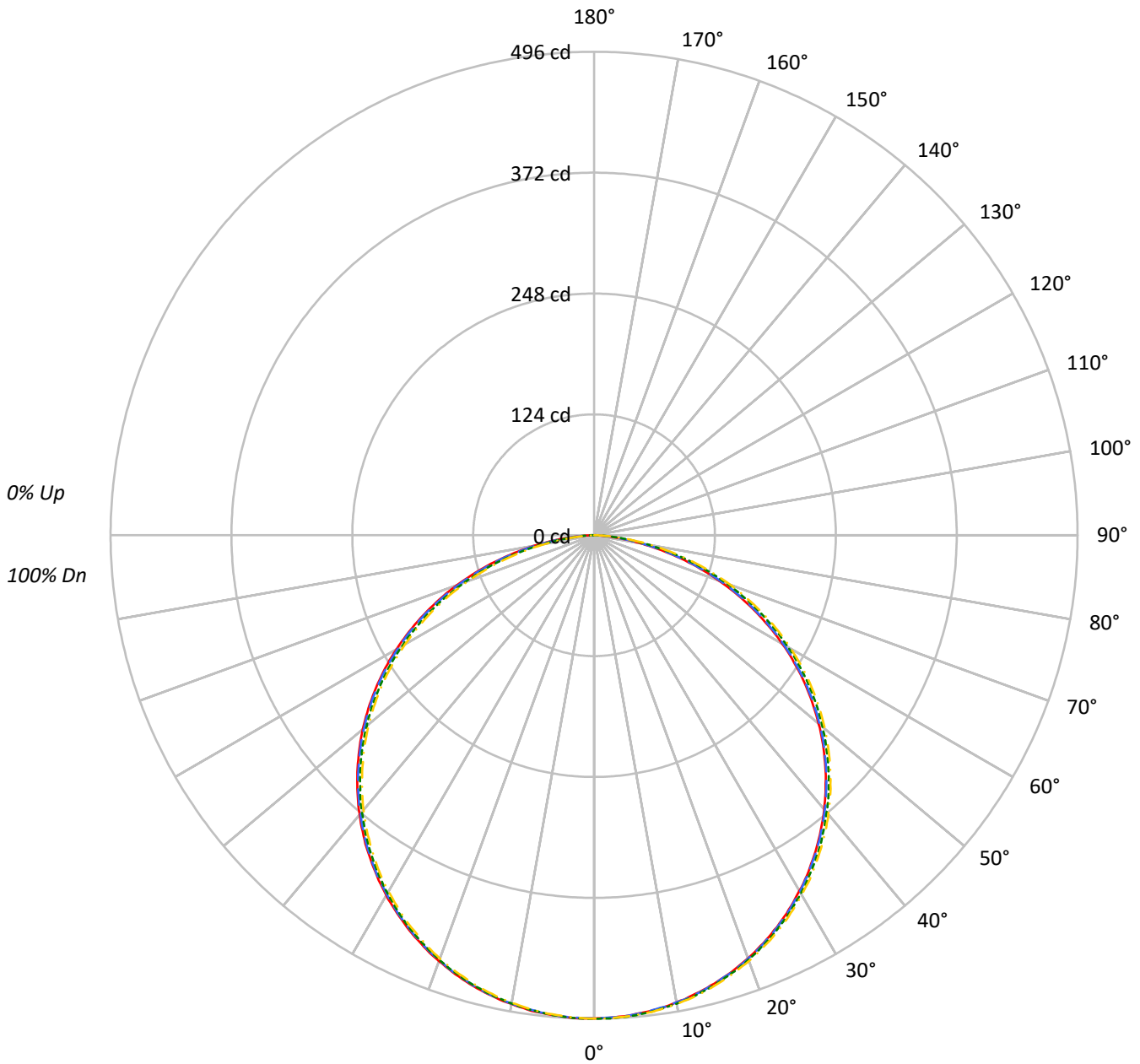
Lumens per Lamp: N/A
 Luminaire Lumens: 1451.4 lumens
 Efficiency: N/A
 Efficacy: 98.7 lumens/watt
 Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
 Luminous Opening: Circular (Dia: 1.17' x H: 0')
 CIE Type: Direct

Input Watts (W): 14.7
 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
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84	84	
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	79	75	72	69	69	
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58	58	
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49	49	
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	49	45	43	43	
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37	37	
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33	33	
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29	29	
9	56	42	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26	26	
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24	24	

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4988	4988	4988	4988
5°	4981	4993	4992	4992
10°	4973	4987	4990	4984
15°	4962	4977	4988	4978
20°	4945	4962	4980	4966
25°	4927	4949	4972	4950
30°	4894	4929	4955	4927
35°	4864	4908	4936	4900
40°	4825	4878	4916	4870
45°	4773	4842	4887	4825
50°	4708	4791	4852	4767
55°	4621	4727	4795	4695
60°	4488	4625	4712	4579
65°	4305	4484	4593	4417
70°	4019	4263	4405	4163
75°	3581	3915	4102	3768
80°	2880	3344	3610	3124
85°	1755	2390	2794	2090

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.9	3.2
10°-20°	134.8	9.3
20°-30°	205.4	14.1
30°-40°	249.6	17.2
40°-50°	261.8	18.0
50°-60°	239.6	16.5
60°-70°	184.5	12.7
70°-80°	104.4	7.2
80°-90°	24.4	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°	387.1	26.7
0°-40°	636.7	43.9
0°-60°	1138.1	78.4
0°-90°	1451.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1451.4	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	496	496	496	496	496	
5°	493	494	494	494	493	47
15°	476	478	479	478	476	134
25°	444	446	448	446	444	204
35°	396	400	402	399	396	248
45°	335	340	343	339	335	259
55°	263	269	273	268	263	235
65°	181	188	193	186	181	179
75°	92	101	106	97	92	97
85°	15	21	24	18	15	20
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°	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7	495.7
0.5°	495.5	495.3	495.4	495.9	496.0	496.2	495.8	495.6	495.5	495.4	495.5
1°	495.5	495.1	495.3	496.0	496.0	496.0	495.8	495.5	495.8	495.5	495.3
1.5°	495.3	495.2	495.1	495.5	495.9	496.0	495.8	495.7	495.9	495.2	495.3
2°	495.2	494.8	495.0	495.2	496.0	495.8	495.6	495.6	495.8	495.1	495.3
2.5°	494.8	494.7	495.0	495.4	495.6	495.6	495.5	495.5	495.6	495.1	495.1
3°	494.6	494.5	494.7	495.0	495.3	495.5	495.1	495.2	495.3	495.1	495.0
3.5°	494.5	494.2	494.6	494.7	495.3	495.3	495.1	495.1	495.0	494.8	494.7
4°	494.2	493.8	494.2	494.5	495.0	495.0	494.8	494.7	494.6	494.6	494.8
4.5°	493.6	493.3	493.8	493.9	494.5	494.6	494.5	494.5	494.3	494.3	494.1
5°	493.1	492.7	493.3	493.8	494.3	494.1	494.1	494.2	494.2	493.9	493.9
5.5°	492.5	492.3	492.9	493.0	493.7	493.8	493.6	493.6	493.7	493.6	493.5
6°	492.2	491.8	492.4	492.4	493.3	493.2	493.3	493.3	493.3	493.2	493.0
6.5°	491.8	491.3	492.0	492.0	492.7	492.8	493.0	492.9	492.8	492.8	492.5
7°	491.2	490.8	491.0	491.4	492.2	492.0	492.5	492.3	492.5	492.3	491.8
7.5°	490.7	490.2	490.3	490.8	491.5	491.4	491.8	491.7	492.2	491.7	491.2
8°	490.0	489.7	489.6	490.2	490.8	490.7	491.2	491.2	491.5	491.2	490.9
8.5°	489.2	488.8	489.3	489.6	490.2	490.0	490.3	490.3	490.5	490.5	490.1
9°	488.4	488.2	488.5	488.7	489.3	489.7	490.0	489.7	489.8	489.5	489.6
9.5°	487.4	487.4	487.6	488.1	488.7	488.7	489.0	489.0	489.3	489.0	488.7
10°	486.7	486.6	486.6	487.4	488.0	488.0	488.4	488.4	488.3	488.5	488.1
10.5°	485.7	485.9	486.0	486.5	487.1	487.2	487.4	487.6	487.7	487.6	487.2
11°	485.2	484.7	485.2	485.7	486.2	486.3	486.5	486.7	487.0	486.6	486.4
11.5°	483.9	483.7	484.5	484.6	485.3	485.3	485.9	485.9	486.1	485.6	485.4
12°	482.9	482.9	483.4	483.7	484.5	484.4	485.0	484.9	485.2	484.8	484.5
12.5°	481.7	482.0	482.3	482.7	483.3	483.7	483.7	484.2	483.9	484.1	483.7
13°	480.9	480.9	481.2	481.3	482.2	482.7	482.9	483.1	483.2	483.0	482.8
13.5°	479.7	479.7	480.2	480.6	481.2	481.6	481.9	482.1	482.2	481.7	481.7
14°	478.7	478.5	479.0	479.4	480.1	480.4	480.7	480.7	481.1	480.7	480.4
14.5°	477.1	477.3	477.7	478.5	478.9	479.2	479.7	479.9	480.0	479.9	479.4
15°	476.3	475.9	476.7	476.8	477.7	478.0	478.4	478.9	478.8	478.5	478.4
15.5°	474.9	474.7	475.1	475.6	476.4	476.7	477.2	477.6	477.7	477.3	476.9
16°	473.5	473.6	473.8	474.5	475.1	475.4	475.9	475.9	476.4	475.9	475.4
16.5°	472.3	472.4	472.4	473.1	473.6	474.0	474.6	474.6	475.1	474.8	474.3
17°	471.0	471.1	471.4	471.8	472.4	472.6	473.4	473.5	473.5	473.7	473.0
17.5°	469.5	469.6	470.0	470.7	470.9	471.5	472.1	472.1	472.4	472.0	471.8
18°	468.1	468.0	468.5	469.1	469.8	470.1	470.7	470.9	471.0	470.8	470.3
18.5°	466.5	466.3	467.0	467.3	468.1	468.7	469.0	469.3	469.4	469.5	469.0
19°	465.0	464.8	465.6	465.8	466.4	467.2	467.6	467.8	468.2	467.8	467.3
19.5°	463.3	463.4	463.9	464.5	465.0	465.4	466.3	466.3	466.3	466.5	465.8
20°	461.8	461.7	462.3	462.8	463.3	464.2	464.8	465.0	465.0	464.9	464.4
20.5°	460.2	459.9	460.5	461.4	461.7	462.5	463.1	463.5	463.3	463.4	462.9
21°	458.6	458.4	458.8	459.4	460.1	460.6	461.5	461.9	461.9	461.7	461.0
21.5°	456.8	456.6	457.2	457.9	458.6	459.2	459.8	460.2	460.4	459.9	459.4
22°	454.8	455.1	455.6	455.9	456.6	457.4	458.3	458.5	458.6	458.1	457.6

TEST NUMBER: P869655
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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°	453.2	453.0	453.7	454.1	455.0	455.6	456.3	456.7	456.9	456.5	456.1
23°	451.3	451.2	451.6	452.6	453.2	453.8	454.7	455.2	454.8	454.8	454.1
23.5°	449.3	449.3	449.6	450.5	451.3	451.8	452.9	453.1	453.0	453.2	452.2
24°	447.5	447.5	448.0	448.6	449.5	450.3	451.2	451.3	451.3	451.4	450.4
24.5°	445.3	445.6	446.0	446.7	447.7	448.1	449.1	449.5	449.5	449.2	448.6
25°	443.7	443.4	444.2	444.7	445.7	446.3	447.3	447.6	447.8	447.6	446.6
25.5°	441.4	441.7	442.0	442.7	443.5	444.4	445.3	445.8	445.6	445.5	444.7
26°	439.4	439.7	439.9	440.7	441.7	442.6	443.2	443.7	443.4	443.7	442.8
26.5°	437.2	437.2	437.6	438.6	439.5	440.3	441.3	441.6	441.4	441.4	440.6
27°	435.4	435.2	435.7	436.2	437.8	438.1	439.2	439.7	439.4	439.5	438.4
27.5°	432.9	432.9	433.6	434.1	435.5	436.0	436.9	437.4	437.4	437.4	436.4
28°	430.6	430.8	431.4	432.0	433.1	434.1	435.0	435.4	435.2	435.2	434.2
28.5°	428.3	428.4	428.9	429.5	431.0	431.7	432.7	433.1	433.1	432.8	432.1
29°	426.0	426.4	426.7	427.4	428.7	429.5	430.7	431.0	431.0	430.6	429.9
29.5°	423.4	423.7	424.4	425.2	426.6	427.2	428.4	428.8	428.9	428.7	427.7
30°	421.2	421.4	422.0	423.0	424.2	425.0	426.2	426.5	426.4	426.4	425.3
30.5°	419.2	419.2	419.9	420.7	422.0	422.6	423.7	424.2	424.1	424.1	423.1
31°	416.7	417.1	417.2	418.1	419.9	420.2	421.3	422.2	421.7	421.8	420.8
31.5°	414.2	414.3	414.9	415.9	417.2	418.1	419.2	419.5	419.5	419.7	418.5
32°	411.9	412.0	412.5	413.4	414.8	415.7	417.0	417.3	417.3	417.3	416.0
32.5°	409.3	409.6	409.7	410.6	412.1	413.2	414.4	415.1	414.6	414.6	413.7
33°	406.6	407.1	407.2	408.2	409.8	410.4	411.9	412.4	411.9	412.2	411.2
33.5°	403.8	404.3	404.8	405.8	407.1	407.9	409.2	410.1	409.6	409.6	408.7
34°	401.3	401.8	402.0	403.2	404.8	405.6	406.7	407.5	407.0	407.1	406.1
34.5°	398.5	399.0	399.6	400.5	402.1	403.0	404.2	404.9	404.4	404.4	403.5
35°	395.9	396.3	396.9	397.7	399.5	400.3	401.6	402.1	401.8	401.8	401.0
35.5°	393.2	393.4	394.2	395.0	396.8	397.7	398.8	399.4	399.4	399.3	398.4
36°	390.5	390.7	391.2	392.2	394.1	395.1	396.4	396.8	396.8	396.5	395.7
36.5°	387.7	387.9	388.7	389.5	391.6	392.2	393.7	394.2	394.2	394.2	392.8
37°	384.9	385.1	385.7	386.7	388.7	389.6	390.9	391.6	391.4	391.4	390.4
37.5°	381.8	382.3	382.8	383.9	385.7	386.7	388.0	388.6	388.5	388.4	387.6
38°	378.8	379.4	380.1	381.0	382.9	384.2	385.5	385.9	385.6	385.4	384.8
38.5°	376.1	376.5	377.0	378.0	380.1	381.1	382.6	383.0	383.0	382.7	381.9
39°	373.2	373.3	374.1	375.1	377.0	378.1	379.7	380.3	380.1	379.9	378.9
39.5°	370.3	370.3	371.2	372.3	374.0	375.4	377.0	377.4	377.2	377.0	375.8
40°	367.3	367.7	368.3	369.4	371.3	372.6	373.7	374.5	374.2	374.1	372.8
40.5°	364.1	364.5	365.4	366.4	368.4	369.6	370.8	371.5	371.3	371.2	370.0
41°	361.1	361.7	362.2	363.5	365.4	366.7	367.9	368.6	368.5	368.2	367.1
41.5°	357.9	358.4	359.1	360.5	362.4	363.7	364.9	365.4	365.5	365.0	363.9
42°	354.8	355.3	355.8	357.3	359.3	360.6	361.7	362.4	362.2	362.0	361.0
42.5°	351.5	352.2	352.6	354.1	356.2	357.3	358.7	359.4	359.2	359.1	357.9
43°	348.3	348.9	349.5	350.9	353.0	354.3	355.7	356.4	356.1	355.8	354.8
43.5°	345.2	345.7	346.4	347.8	349.7	351.1	352.3	353.3	353.0	352.6	351.6
44°	342.2	342.4	343.0	344.4	346.5	348.0	349.3	350.0	349.8	349.5	348.5
44.5°	338.6	339.0	339.9	341.2	343.4	344.8	346.0	346.6	346.5	346.2	345.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	335.4	335.7	336.6	338.1	340.2	341.5	342.8	343.5	343.4	343.2	342.0
45.5°	332.2	332.3	333.3	334.7	336.9	338.1	339.6	340.0	340.2	339.8	338.6
46°	328.7	329.0	329.8	331.4	333.4	334.8	336.3	336.9	337.0	336.7	335.5
46.5°	325.4	325.6	326.3	327.8	330.0	331.5	333.0	333.4	333.5	333.3	332.1
47°	321.9	322.2	323.1	324.6	326.6	328.1	329.6	330.1	330.2	329.8	328.6
47.5°	318.5	318.7	319.8	321.2	323.3	324.8	326.2	326.8	326.8	326.5	325.4
48°	315.0	315.2	316.4	317.7	320.0	321.3	322.9	323.5	323.5	323.0	322.2
48.5°	311.5	311.7	312.8	314.2	316.5	317.9	319.4	320.2	320.2	319.7	318.7
49°	308.1	308.2	309.3	310.7	313.0	314.4	316.1	316.7	316.7	316.2	315.2
49.5°	304.5	304.7	305.7	307.3	309.4	310.9	312.5	313.0	313.3	312.9	311.7
50°	300.7	301.0	302.1	303.6	306.0	307.6	309.2	309.8	309.9	309.4	308.0
50.5°	297.1	297.3	298.5	300.2	302.3	304.0	305.6	306.1	306.1	305.8	304.5
51°	293.5	293.7	294.8	296.4	298.9	300.4	301.8	302.6	302.7	302.0	301.1
51.5°	289.7	290.1	291.2	292.8	295.2	296.9	298.3	299.0	299.1	298.5	297.3
52°	286.0	286.4	287.4	289.1	291.7	293.2	294.9	295.7	295.4	294.9	293.9
52.5°	282.2	282.7	283.8	285.4	288.0	289.5	291.2	291.9	291.7	291.2	290.1
53°	278.6	279.0	280.2	281.7	284.3	285.9	287.5	288.3	288.1	287.7	286.4
53.5°	274.8	275.0	276.3	277.8	280.6	282.3	283.6	284.5	284.3	283.9	282.8
54°	271.0	271.0	272.4	274.0	276.9	278.3	280.0	280.9	280.6	280.4	279.0
54.5°	267.2	267.6	268.7	270.2	273.0	274.7	276.3	277.0	276.9	276.5	275.1
55°	263.4	263.7	264.9	266.6	269.4	271.0	272.7	273.5	273.3	272.8	271.4
55.5°	259.5	259.7	261.1	262.6	265.6	267.3	268.8	269.7	269.5	268.9	267.8
56°	255.6	255.8	257.1	258.8	261.8	263.3	265.2	266.0	265.7	265.1	263.9
56.5°	251.5	251.9	253.3	254.7	257.8	259.4	261.1	261.9	261.9	261.1	260.1
57°	247.5	248.0	249.2	250.7	253.8	255.7	257.4	258.3	258.0	257.3	256.2
57.5°	243.5	243.9	245.1	246.7	249.9	251.6	253.3	254.1	254.1	253.5	252.2
58°	239.7	239.9	241.1	242.9	246.0	247.8	249.5	250.2	250.0	249.4	248.3
58.5°	235.5	235.7	237.1	238.8	242.0	243.8	245.4	246.3	246.4	245.4	244.4
59°	231.4	231.9	233.0	234.8	238.1	239.8	241.5	242.3	242.4	241.3	240.2
59.5°	227.2	227.7	228.9	230.6	234.0	235.8	237.4	238.3	238.1	237.5	236.3
60°	223.0	223.5	225.0	226.7	229.8	231.8	233.5	234.3	234.1	233.4	232.1
60.5°	219.1	219.4	220.5	222.5	225.6	227.8	229.4	230.2	230.1	229.4	228.1
61°	215.1	215.4	216.6	218.6	221.5	223.7	225.4	226.2	226.0	225.2	224.2
61.5°	210.7	211.1	212.4	214.4	217.4	219.6	221.1	222.0	222.0	221.2	220.1
62°	206.4	207.0	208.3	210.1	213.6	215.6	217.2	218.0	217.9	217.2	216.0
62.5°	202.0	202.7	203.8	205.8	209.4	211.4	213.2	213.9	213.8	213.0	211.8
63°	197.9	198.5	199.7	201.7	205.2	207.3	208.9	209.8	209.6	208.9	207.6
63.5°	193.6	194.3	195.6	197.4	200.9	203.0	204.8	205.5	205.5	204.7	203.4
64°	189.2	189.9	191.3	193.2	196.6	198.9	200.5	201.2	201.2	200.4	199.3
64.5°	185.1	185.8	187.0	188.9	192.5	194.5	196.3	197.0	197.0	196.2	194.8
65°	180.8	181.4	182.8	184.8	188.3	190.4	192.2	192.9	192.9	192.1	190.9
65.5°	176.4	177.2	178.4	180.5	184.1	186.1	187.9	188.6	188.7	187.9	186.4
66°	172.0	172.7	174.0	176.0	179.7	181.8	183.5	184.3	184.2	183.6	182.1
66.5°	167.7	168.4	169.6	171.6	175.4	177.4	179.1	180.0	179.8	179.0	177.8
67°	163.5	163.9	165.3	167.3	171.0	173.1	174.8	175.7	175.6	174.9	173.4

TEST NUMBER: P869655
 CATALOG NUMBER: SMX14RLSFSD2W-1300LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	158.9	159.6	161.0	162.9	166.7	168.7	170.4	171.4	171.4	170.6	169.1
68°	154.5	155.1	156.6	158.6	162.3	164.5	166.4	167.0	167.1	166.2	164.9
68.5°	150.0	150.7	152.1	154.2	158.1	160.2	161.8	162.7	162.7	161.8	160.6
69°	145.6	146.2	147.7	149.7	153.7	155.8	157.6	158.3	158.3	157.5	156.3
69.5°	141.1	141.8	143.3	145.1	149.3	151.5	153.2	154.0	154.0	153.1	151.7
70°	136.6	137.3	138.8	140.8	144.9	147.0	148.8	149.5	149.7	148.7	147.2
70.5°	132.3	132.9	134.4	136.5	140.6	142.6	144.4	145.2	145.2	144.4	142.9
71°	127.8	128.3	129.9	131.8	136.1	138.4	140.2	140.9	140.9	140.0	138.6
71.5°	123.2	123.9	125.4	127.4	131.7	134.0	135.6	136.5	136.5	135.6	134.0
72°	118.9	119.4	120.9	122.9	127.1	129.5	131.3	132.0	132.1	131.2	129.6
72.5°	114.5	115.1	116.6	118.6	122.7	125.0	126.8	127.7	127.7	126.7	125.2
73°	110.0	110.6	112.2	114.0	118.3	120.6	122.4	123.1	123.2	122.2	120.6
73.5°	105.5	106.1	107.7	109.6	114.0	116.3	118.0	118.8	118.8	117.9	116.4
74°	101.0	101.7	103.2	105.2	109.6	111.8	113.7	114.3	114.5	113.5	112.0
74.5°	96.5	97.2	98.8	100.7	105.1	107.4	109.2	110.0	110.0	109.2	107.5
75°	92.1	92.8	94.4	96.3	100.7	102.9	104.7	105.5	105.5	104.6	103.1
75.5°	87.8	88.5	90.0	92.0	96.2	98.5	100.2	101.1	101.0	100.2	98.6
76°	83.3	84.0	85.6	87.5	91.8	94.1	95.8	96.6	96.7	95.8	94.2
76.5°	78.9	79.7	81.2	83.1	87.5	89.8	91.4	92.2	92.3	91.4	89.7
77°	74.6	75.3	76.9	78.9	83.1	85.3	87.1	87.9	87.8	87.0	85.5
77.5°	70.4	71.2	72.7	74.6	78.8	81.0	82.8	83.5	83.5	82.7	81.1
78°	66.1	66.9	68.4	70.2	74.5	76.7	78.5	79.1	79.2	78.2	76.8
78.5°	61.9	62.6	64.2	66.2	70.1	72.3	74.1	74.8	74.9	74.0	72.4
79°	57.8	58.5	60.1	62.0	66.1	68.1	69.8	70.5	70.5	69.7	68.3
79.5°	53.7	54.4	55.9	57.8	61.8	64.0	65.7	66.4	66.4	65.6	64.0
80°	49.7	50.2	51.9	53.7	57.7	59.8	61.5	62.2	62.3	61.4	60.0
80.5°	45.6	46.4	47.8	49.6	53.7	55.8	57.4	58.1	58.1	57.2	55.7
81°	41.8	42.5	43.9	45.7	49.6	51.6	53.2	54.0	54.0	53.2	51.7
81.5°	38.0	38.8	40.1	41.9	45.7	47.6	49.2	49.9	49.9	49.0	47.6
82°	34.3	35.0	36.3	38.0	41.7	43.8	45.2	45.9	46.0	45.1	43.7
82.5°	30.8	31.5	32.8	34.4	38.0	40.0	41.4	42.1	42.1	41.3	39.9
83°	27.3	28.0	29.2	30.7	34.3	36.3	37.7	38.5	38.4	37.7	36.2
83.5°	24.1	24.6	25.9	27.3	30.7	32.5	34.0	34.7	34.7	33.8	32.5
84°	20.8	21.5	22.7	24.1	27.1	29.0	30.4	31.0	31.0	30.2	28.9
84.5°	17.9	18.5	19.6	21.0	23.9	25.5	26.9	27.6	27.5	26.7	25.6
85°	15.2	15.8	16.8	18.0	20.7	22.3	23.6	24.2	24.2	23.4	22.4
85.5°	12.5	13.0	14.0	15.3	17.7	19.2	20.4	20.9	20.9	20.3	19.1
86°	10.2	10.5	11.5	12.6	15.1	16.3	17.4	18.0	17.9	17.2	16.3
86.5°	7.7	8.1	9.0	10.2	12.7	13.8	14.8	15.3	15.3	14.7	13.7
87°	5.5	5.9	6.6	7.7	10.2	11.4	12.4	12.9	12.8	12.3	11.3
87.5°	4.1	4.2	4.8	5.6	8.0	9.1	10.0	10.4	10.3	9.8	9.0
88°	2.5	2.8	3.2	4.1	5.9	6.9	7.7	8.2	8.1	7.6	6.9
88.5°	1.5	1.7	2.1	2.6	4.1	5.0	5.7	6.0	6.0	5.5	4.9
89°	0.9	1.0	1.2	1.6	2.6	3.4	3.9	4.2	4.2	3.8	3.3
89.5°	0.6	0.6	0.7	0.9	1.4	2.1	2.4	2.7	2.7	2.4	1.9

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



TEST NUMBER: P869655
CATALOG NUMBER: SMX14RLSFSD2W-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: P869655
 CATALOG NUMBER: SMX14RLSFSD2W-1300LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	495.7	495.7	495.7	495.7	495.7	495.7
0.5°	495.7	496.1	496.0	495.7	495.8	495.5
1°	495.7	496.1	495.8	495.6	495.7	495.5
1.5°	495.8	496.1	495.8	495.3	495.2	495.3
2°	495.5	495.8	495.5	495.3	495.2	495.2
2.5°	495.3	495.6	495.4	495.1	494.9	494.8
3°	495.1	495.1	495.3	494.9	495.0	494.6
3.5°	495.0	495.0	494.9	494.6	494.8	494.5
4°	494.8	494.7	494.5	494.0	493.8	494.2
4.5°	494.3	494.4	494.3	493.6	493.8	493.6
5°	493.8	494.2	493.8	493.3	493.0	493.1
5.5°	493.7	493.5	493.6	493.0	493.0	492.5
6°	493.2	493.0	492.9	492.4	492.5	492.2
6.5°	492.5	492.3	492.3	491.8	491.9	491.8
7°	491.9	491.8	491.8	491.3	491.4	491.2
7.5°	491.3	491.3	491.2	490.7	491.0	490.7
8°	490.7	490.5	490.5	490.1	490.5	490.0
8.5°	490.2	489.9	489.7	489.4	489.5	489.2
9°	489.7	489.4	489.2	488.5	488.7	488.4
9.5°	488.8	488.7	488.4	487.6	487.9	487.4
10°	487.9	487.7	487.5	487.1	487.0	486.7
10.5°	487.2	487.0	486.7	486.0	485.8	485.7
11°	486.4	486.0	485.8	485.3	484.9	485.2
11.5°	485.4	485.1	484.9	484.2	484.1	483.9
12°	484.4	484.2	483.9	483.4	483.3	482.9
12.5°	483.5	483.3	483.0	482.1	482.1	481.7
13°	482.3	482.4	481.9	481.2	481.1	480.9
13.5°	481.2	481.2	480.7	480.1	480.1	479.7
14°	480.3	480.0	479.9	478.9	478.6	478.7
14.5°	478.9	478.9	478.6	477.8	477.6	477.1
15°	477.9	477.8	477.3	476.5	476.3	476.3
15.5°	476.9	476.5	476.0	475.2	475.1	474.9
16°	475.4	475.3	474.6	473.8	473.8	473.5
16.5°	474.2	474.0	473.3	472.4	472.3	472.3
17°	473.0	472.5	471.8	471.2	471.0	471.0
17.5°	471.8	471.0	470.6	469.8	469.8	469.5
18°	470.1	469.7	468.8	468.3	468.0	468.1
18.5°	468.8	468.4	467.7	466.8	466.8	466.5
19°	467.3	466.8	466.2	465.4	465.0	465.0
19.5°	465.7	465.2	464.8	464.0	463.5	463.3
20°	464.2	463.7	463.0	462.2	462.0	461.8
20.5°	462.7	461.9	461.3	460.5	460.4	460.2
21°	460.9	460.3	459.6	458.9	458.4	458.6
21.5°	459.1	458.6	457.9	457.1	456.7	456.8
22°	457.4	456.9	456.1	455.2	454.6	454.8

TEST NUMBER: P869655
 CATALOG NUMBER: SMX14RLSFSD2W-1300LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	455.5	454.9	454.3	453.3	453.1	453.2
23°	453.8	453.4	452.6	451.4	451.1	451.3
23.5°	451.9	451.5	450.9	449.6	449.4	449.3
24°	450.1	449.6	448.7	447.6	447.3	447.5
24.5°	448.4	447.6	446.9	445.6	445.3	445.3
25°	446.6	445.8	445.0	444.0	443.6	443.7
25.5°	444.5	443.9	442.8	441.8	441.6	441.4
26°	442.3	441.9	440.8	440.0	439.4	439.4
26.5°	440.1	439.5	438.7	437.7	437.4	437.2
27°	438.2	437.5	436.7	435.4	435.1	435.4
27.5°	436.4	435.2	434.4	433.4	432.9	432.9
28°	433.7	433.1	432.3	430.8	430.4	430.6
28.5°	431.7	430.9	430.0	428.7	428.0	428.3
29°	429.6	428.6	427.6	426.4	425.9	426.0
29.5°	427.4	426.3	425.3	424.0	423.6	423.4
30°	425.1	424.0	423.2	421.7	421.4	421.2
30.5°	422.6	421.8	420.8	419.5	419.0	419.2
31°	420.5	419.3	418.0	417.2	416.6	416.7
31.5°	418.2	416.5	415.8	414.8	414.2	414.2
32°	415.6	414.4	413.3	412.2	411.5	411.9
32.5°	413.2	411.9	411.0	409.6	409.1	409.3
33°	410.6	409.3	408.4	407.1	406.6	406.6
33.5°	408.1	406.6	405.6	404.5	403.9	403.8
34°	405.4	404.3	402.9	401.7	401.3	401.3
34.5°	403.1	401.5	400.3	399.1	398.3	398.5
35°	400.2	398.9	397.5	396.5	395.8	395.9
35.5°	397.7	396.3	395.2	393.8	393.1	393.2
36°	394.8	393.6	392.4	390.9	390.4	390.5
36.5°	392.4	390.6	389.4	388.0	387.5	387.7
37°	389.4	387.9	386.4	385.6	384.9	384.9
37.5°	387.0	385.3	384.0	382.8	382.0	381.8
38°	383.8	382.3	380.9	379.6	378.9	378.8
38.5°	381.0	379.3	377.9	376.6	376.1	376.1
39°	378.0	376.4	374.9	374.0	373.3	373.2
39.5°	375.3	373.3	372.2	370.8	370.3	370.3
40°	372.1	370.7	369.3	367.9	367.4	367.3
40.5°	369.4	367.7	366.1	364.9	364.4	364.1
41°	366.2	364.6	362.9	361.8	361.2	361.1
41.5°	363.4	361.4	359.9	358.6	357.9	357.9
42°	360.2	358.3	356.8	355.3	354.9	354.8
42.5°	357.0	355.1	353.7	352.3	351.6	351.5
43°	354.0	351.8	350.5	349.1	348.5	348.3
43.5°	350.8	348.7	347.5	345.8	345.3	345.2
44°	347.5	345.6	344.1	342.5	342.0	342.2
44.5°	344.4	342.3	340.9	339.4	338.6	338.6

TEST NUMBER: P869655
 CATALOG NUMBER: SMX14RLSFS2W-1300LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	341.1	339.0	337.5	336.1	335.4	335.4
45.5°	337.8	335.6	334.2	332.6	332.3	332.2
46°	334.4	332.5	330.8	329.5	328.7	328.7
46.5°	331.1	328.8	327.4	326.0	325.1	325.4
47°	327.8	325.7	323.9	322.7	321.7	321.9
47.5°	324.3	322.2	320.5	319.3	318.3	318.5
48°	320.9	318.7	317.1	315.8	314.9	315.0
48.5°	317.7	315.2	313.6	312.2	311.7	311.5
49°	314.2	311.9	310.1	308.6	308.1	308.1
49.5°	310.5	308.3	306.6	305.1	304.3	304.5
50°	307.0	304.5	302.9	301.6	300.8	300.7
50.5°	303.3	301.0	299.4	298.0	297.2	297.1
51°	299.8	297.5	295.7	294.2	293.7	293.5
51.5°	296.5	293.9	292.2	290.6	289.8	289.7
52°	292.7	290.2	288.6	287.1	286.1	286.0
52.5°	288.9	286.3	284.8	283.3	282.5	282.2
53°	285.2	282.6	281.1	279.5	278.5	278.6
53.5°	281.5	278.9	277.1	275.5	274.7	274.8
54°	277.7	275.0	273.4	271.9	270.9	271.0
54.5°	274.0	271.3	269.7	268.1	267.4	267.2
55°	270.2	267.6	265.7	264.2	263.5	263.4
55.5°	266.5	263.6	261.8	260.5	259.6	259.5
56°	262.6	259.6	258.1	256.5	255.5	255.6
56.5°	258.7	255.8	254.0	252.4	251.8	251.5
57°	254.8	251.9	250.1	248.4	247.5	247.5
57.5°	250.8	247.9	246.0	244.4	243.5	243.5
58°	246.9	243.9	242.0	240.4	239.6	239.7
58.5°	243.0	239.9	237.9	236.3	235.4	235.5
59°	239.0	235.8	233.8	232.1	231.4	231.4
59.5°	234.8	231.8	229.9	227.9	227.1	227.2
60°	230.7	227.5	225.6	223.9	223.1	223.0
60.5°	226.7	223.4	221.5	219.6	219.0	219.1
61°	222.5	219.3	217.4	215.8	214.9	215.1
61.5°	218.5	215.1	213.3	211.5	210.7	210.7
62°	214.4	210.9	209.1	207.3	206.5	206.4
62.5°	210.2	206.6	204.8	202.8	202.0	202.0
63°	206.0	202.5	200.5	198.7	198.0	197.9
63.5°	201.8	198.0	196.2	194.6	193.7	193.6
64°	197.5	193.9	192.0	190.4	189.5	189.2
64.5°	193.2	189.8	187.7	186.1	185.1	185.1
65°	189.1	185.5	183.3	181.7	180.8	180.8
65.5°	184.9	181.0	179.1	177.3	176.5	176.4
66°	180.4	176.8	174.7	172.7	172.0	172.0
66.5°	176.0	172.3	170.2	168.5	167.7	167.7
67°	171.7	168.1	165.9	164.3	163.3	163.5

TEST NUMBER: P869655
 CATALOG NUMBER: SMX14RLSFSD2W-1300LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	167.7	163.6	161.5	160.0	158.8	158.9
68°	163.2	159.3	157.0	155.3	154.5	154.5
68.5°	158.8	154.8	152.6	150.8	150.0	150.0
69°	154.3	150.4	148.1	146.6	145.4	145.6
69.5°	150.0	145.9	143.7	141.9	141.0	141.1
70°	145.6	141.5	139.4	137.5	136.8	136.6
70.5°	141.1	137.0	134.9	133.2	132.3	132.3
71°	136.7	132.4	130.4	128.6	127.7	127.8
71.5°	132.3	128.0	125.9	124.2	123.1	123.2
72°	127.9	123.6	121.5	119.7	118.9	118.9
72.5°	123.4	119.2	117.1	115.3	114.5	114.5
73°	118.8	114.7	112.5	110.7	110.0	110.0
73.5°	114.5	110.2	108.2	106.3	105.4	105.5
74°	110.2	105.8	103.5	101.9	100.9	101.0
74.5°	105.7	101.4	99.2	97.4	96.4	96.5
75°	101.1	96.9	94.8	93.0	92.3	92.1
75.5°	96.7	92.4	90.4	88.5	87.5	87.8
76°	92.3	88.0	85.9	84.2	83.3	83.3
76.5°	88.0	83.6	81.4	79.8	79.0	78.9
77°	83.5	79.4	77.2	75.5	74.6	74.6
77.5°	79.2	75.1	72.9	71.3	70.4	70.4
78°	74.9	70.6	68.6	67.0	66.1	66.1
78.5°	70.5	66.5	64.5	62.8	62.0	61.9
79°	66.3	62.3	60.3	58.7	57.8	57.8
79.5°	62.1	58.0	56.1	54.4	53.7	53.7
80°	58.0	53.9	51.9	50.3	49.6	49.7
80.5°	53.9	49.9	48.0	46.3	45.6	45.6
81°	49.9	45.9	43.9	42.5	41.8	41.8
81.5°	45.8	42.1	40.3	38.7	38.0	38.0
82°	42.0	38.3	36.5	35.0	34.3	34.3
82.5°	38.3	34.7	32.9	31.5	30.8	30.8
83°	34.5	31.0	29.4	28.0	27.4	27.3
83.5°	30.9	27.6	25.9	24.6	24.0	24.1
84°	27.3	24.3	22.7	21.4	20.8	20.8
84.5°	24.1	21.1	19.7	18.5	17.9	17.9
85°	20.8	18.1	16.8	15.8	15.3	15.2
85.5°	17.8	15.5	14.1	13.1	12.6	12.5
86°	15.1	12.8	11.5	10.5	10.1	10.2
86.5°	12.7	10.3	9.0	8.0	7.7	7.7
87°	10.2	7.9	6.7	5.9	5.5	5.5
87.5°	7.9	5.7	4.9	4.2	4.0	4.1
88°	5.9	4.1	3.4	2.8	2.6	2.5
88.5°	4.1	2.6	2.1	1.8	1.6	1.5
89°	2.6	1.7	1.3	1.0	0.9	0.9
89.5°	1.4	1.0	0.7	0.6	0.8	0.6

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



TEST NUMBER: P869655
CATALOG NUMBER: SMX14RLSFSD2W-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)