

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: P869636

Luminaire Tested: **SMX14RLSFS010-1300LM-2700K**

Issue Date: 8/29/2024

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P869636
 Test Lab:
 Issue Date: 8/29/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: SMX14RLSFS010-1300LM-2700K
 Description: 14IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION
 Light Source: SELECTABLE CCT 90CRI / 2700K CCT
 Ballast/Driver: -

Summary

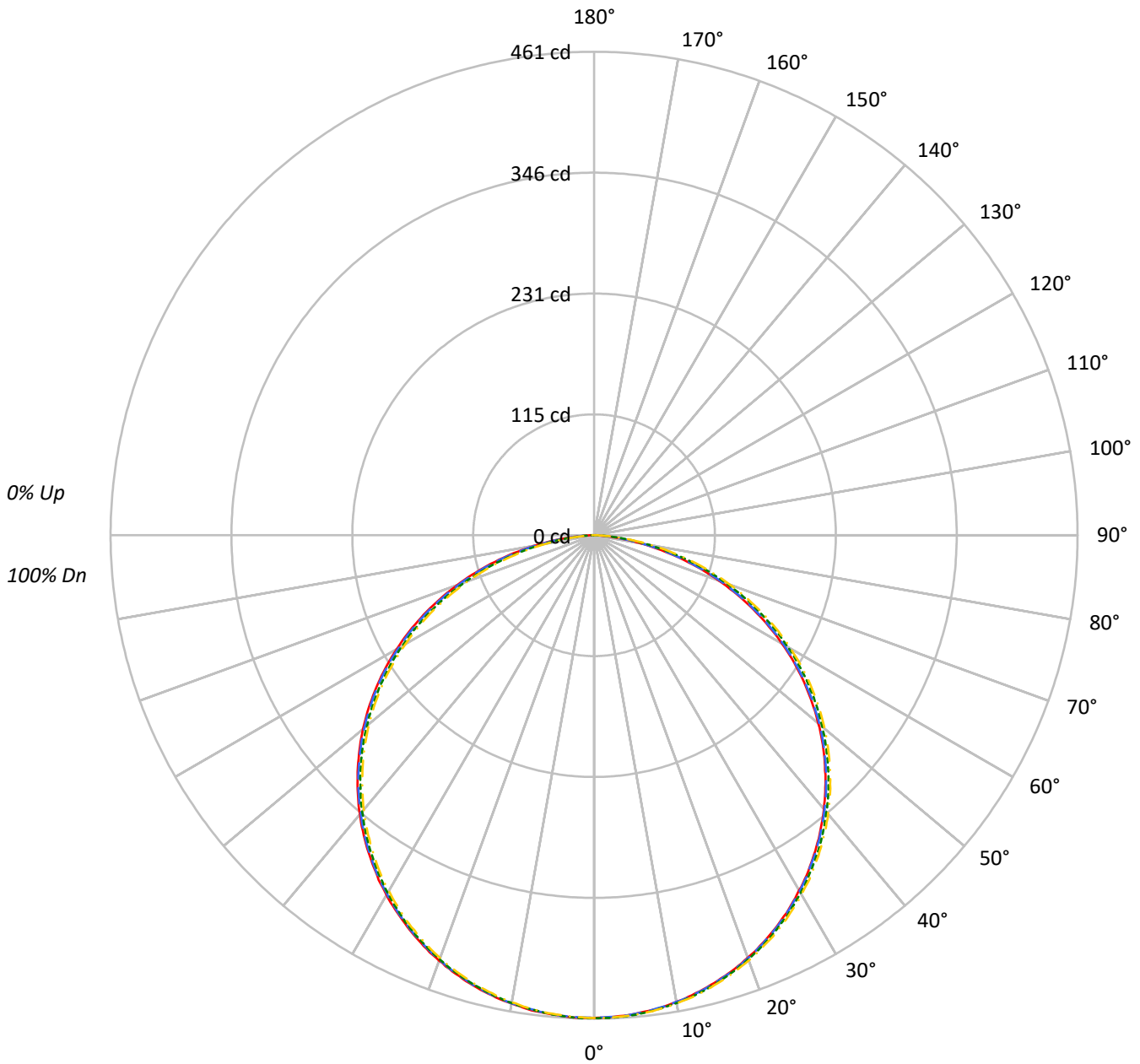
Lumens per Lamp: N/A
 Luminaire Lumens: 1347.5 lumens
 Efficiency: N/A
 Efficacy: 92.9 lumens/watt
 Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
 Luminous Opening: Circular (Dia: 1.17' x H: 0')
 CIE Type: Direct

Input Watts (W): 14.5
 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	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84	84	84
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	79	75	72	69	69	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58	58	58
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49	49	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	49	45	43	43	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37	37	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33	33	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29	29	29
9	56	42	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26	26	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24	24	24

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4631	4631	4631	4631
5°	4625	4637	4635	4635
10°	4617	4629	4632	4627
15°	4607	4620	4631	4622
20°	4591	4606	4624	4610
25°	4574	4595	4616	4596
30°	4543	4576	4600	4575
35°	4516	4556	4584	4549
40°	4480	4528	4564	4520
45°	4432	4496	4537	4479
50°	4369	4448	4504	4426
55°	4290	4388	4451	4360
60°	4168	4295	4373	4251
65°	3996	4162	4265	4100
70°	3734	3957	4090	3866
75°	3324	3635	3806	3495
80°	2672	3100	3350	2898
85°	1628	2217	2598	1940

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.6	3.2
10°-20°	125.1	9.3
20°-30°	190.7	14.1
30°-40°	231.8	17.2
40°-50°	243.0	18.0
50°-60°	222.5	16.5
60°-70°	171.3	12.7
70°-80°	96.9	7.2
80°-90°	22.6	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°	359.4	26.7
0°-40°	591.1	43.9
0°-60°	1056.7	78.4
0°-90°	1347.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1347.5	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	460	460	460	460	460	
5°	458	459	459	459	458	44
15°	442	444	444	444	442	125
25°	412	414	416	414	412	190
35°	368	371	373	370	368	230
45°	311	316	319	315	311	240
55°	244	250	254	248	244	218
65°	168	175	179	172	168	166
75°	86	94	98	90	86	90
85°	14	19	22	17	14	18
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°	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2	460.2
0.5°	460.0	459.9	459.9	460.4	460.5	460.7	460.3	460.2	460.1	459.9	460.1
1°	460.1	459.6	459.8	460.5	460.5	460.5	460.3	460.1	460.3	460.0	459.8
1.5°	459.9	459.8	459.7	460.1	460.4	460.5	460.3	460.2	460.4	459.8	459.9
2°	459.8	459.4	459.5	459.8	460.5	460.3	460.1	460.2	460.3	459.6	459.9
2.5°	459.4	459.3	459.6	459.9	460.1	460.2	460.0	460.0	460.1	459.6	459.7
3°	459.2	459.1	459.3	459.5	459.9	460.0	459.7	459.8	459.9	459.6	459.5
3.5°	459.1	458.8	459.2	459.3	459.9	459.9	459.6	459.6	459.5	459.4	459.3
4°	458.8	458.5	458.8	459.1	459.5	459.5	459.4	459.3	459.2	459.2	459.4
4.5°	458.3	458.0	458.4	458.5	459.1	459.2	459.1	459.1	459.0	459.0	458.7
5°	457.8	457.4	458.0	458.5	459.0	458.8	458.8	458.8	458.8	458.5	458.5
5.5°	457.3	457.0	457.6	457.7	458.4	458.4	458.3	458.3	458.4	458.3	458.2
6°	456.9	456.6	457.2	457.2	458.0	457.9	458.0	458.0	458.0	457.9	457.7
6.5°	456.6	456.2	456.8	456.8	457.4	457.5	457.7	457.6	457.6	457.6	457.2
7°	456.1	455.7	455.9	456.2	456.9	456.8	457.2	457.0	457.3	457.0	456.6
7.5°	455.6	455.1	455.2	455.7	456.3	456.2	456.6	456.5	456.9	456.5	456.0
8°	454.9	454.6	454.6	455.1	455.7	455.6	456.1	456.1	456.3	456.1	455.8
8.5°	454.1	453.9	454.3	454.6	455.1	455.0	455.2	455.2	455.4	455.4	455.0
9°	453.4	453.3	453.5	453.7	454.3	454.7	455.0	454.7	454.7	454.5	454.6
9.5°	452.5	452.5	452.7	453.2	453.7	453.7	454.0	454.0	454.3	454.0	453.7
10°	451.8	451.8	451.8	452.5	453.0	453.0	453.4	453.4	453.3	453.5	453.2
10.5°	451.0	451.1	451.3	451.7	452.2	452.4	452.5	452.7	452.8	452.7	452.4
11°	450.5	450.0	450.4	451.0	451.4	451.5	451.7	451.8	452.1	451.8	451.6
11.5°	449.3	449.1	449.9	449.9	450.6	450.6	451.1	451.1	451.3	450.9	450.7
12°	448.4	448.3	448.8	449.1	449.9	449.8	450.3	450.2	450.5	450.1	449.9
12.5°	447.2	447.5	447.8	448.1	448.7	449.1	449.1	449.5	449.2	449.5	449.1
13°	446.5	446.5	446.7	446.9	447.7	448.2	448.4	448.5	448.7	448.4	448.2
13.5°	445.4	445.4	445.8	446.2	446.8	447.1	447.4	447.6	447.7	447.2	447.3
14°	444.4	444.3	444.7	445.1	445.8	446.0	446.3	446.3	446.7	446.3	446.0
14.5°	443.0	443.1	443.5	444.3	444.6	444.9	445.4	445.6	445.6	445.5	445.1
15°	442.2	441.9	442.6	442.6	443.5	443.8	444.1	444.7	444.5	444.3	444.2
15.5°	440.9	440.7	441.1	441.6	442.3	442.6	443.0	443.4	443.5	443.2	442.8
16°	439.6	439.7	439.9	440.5	441.1	441.4	441.9	441.9	442.3	441.9	441.4
16.5°	438.5	438.6	438.6	439.3	439.7	440.1	440.7	440.7	441.1	440.8	440.3
17°	437.3	437.4	437.7	438.1	438.6	438.8	439.5	439.6	439.6	439.8	439.2
17.5°	435.9	436.0	436.4	437.0	437.2	437.8	438.3	438.3	438.6	438.2	438.1
18°	434.6	434.5	434.9	435.5	436.2	436.5	437.0	437.2	437.3	437.1	436.6
18.5°	433.1	433.0	433.6	433.9	434.6	435.1	435.5	435.7	435.8	435.9	435.4
19°	431.7	431.6	432.3	432.4	433.0	433.7	434.1	434.3	434.7	434.3	433.8
19.5°	430.1	430.2	430.7	431.3	431.8	432.1	433.0	433.0	432.9	433.1	432.4
20°	428.7	428.6	429.2	429.7	430.1	430.9	431.5	431.8	431.8	431.6	431.1
20.5°	427.2	427.0	427.6	428.3	428.7	429.4	430.0	430.3	430.1	430.2	429.7
21°	425.8	425.6	426.0	426.5	427.2	427.6	428.5	428.8	428.8	428.6	428.0
21.5°	424.1	423.9	424.5	425.1	425.7	426.3	426.9	427.3	427.4	427.0	426.5
22°	422.3	422.5	423.0	423.3	423.9	424.7	425.5	425.7	425.7	425.3	424.9

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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°	420.8	420.6	421.2	421.6	422.4	423.0	423.6	424.1	424.2	423.8	423.4
23°	419.0	418.9	419.3	420.2	420.8	421.3	422.1	422.6	422.3	422.3	421.6
23.5°	417.2	417.2	417.5	418.3	419.0	419.5	420.5	420.6	420.6	420.8	419.8
24°	415.4	415.4	416.0	416.5	417.3	418.0	418.9	419.0	419.0	419.1	418.2
24.5°	413.5	413.7	414.0	414.7	415.7	416.1	417.0	417.3	417.3	417.1	416.5
25°	411.9	411.7	412.4	412.8	413.8	414.3	415.3	415.5	415.7	415.5	414.6
25.5°	409.8	410.0	410.3	411.0	411.7	412.6	413.4	413.9	413.7	413.6	412.8
26°	407.9	408.2	408.4	409.2	410.0	410.9	411.4	411.9	411.7	411.9	411.1
26.5°	405.9	405.9	406.3	407.2	408.1	408.8	409.8	410.0	409.8	409.8	409.1
27°	404.2	404.1	404.6	405.0	406.5	406.7	407.8	408.3	407.9	408.0	407.0
27.5°	401.9	401.9	402.5	403.0	404.3	404.8	405.6	406.1	406.1	406.1	405.2
28°	399.7	399.9	400.5	401.1	402.1	403.0	403.9	404.2	404.1	404.0	403.2
28.5°	397.6	397.8	398.2	398.8	400.2	400.8	401.8	402.1	402.1	401.8	401.1
29°	395.5	395.9	396.2	396.9	398.0	398.8	399.9	400.2	400.2	399.8	399.2
29.5°	393.1	393.4	394.0	394.8	396.1	396.6	397.8	398.1	398.2	398.0	397.1
30°	391.0	391.2	391.8	392.7	393.8	394.6	395.7	396.0	395.9	395.9	394.8
30.5°	389.2	389.2	389.8	390.6	391.8	392.4	393.4	393.8	393.7	393.8	392.8
31°	386.8	387.2	387.3	388.2	389.8	390.1	391.2	392.0	391.5	391.6	390.7
31.5°	384.5	384.6	385.2	386.1	387.4	388.2	389.2	389.5	389.5	389.6	388.6
32°	382.4	382.5	383.0	383.8	385.1	385.9	387.2	387.4	387.5	387.5	386.3
32.5°	380.0	380.2	380.4	381.2	382.6	383.6	384.8	385.4	384.9	384.9	384.1
33°	377.5	378.0	378.0	379.0	380.5	381.1	382.4	382.9	382.4	382.7	381.8
33.5°	374.9	375.4	375.8	376.7	378.0	378.7	379.9	380.7	380.2	380.2	379.4
34°	372.6	373.0	373.2	374.3	375.8	376.5	377.6	378.3	377.9	377.9	377.0
34.5°	369.9	370.4	371.0	371.9	373.4	374.2	375.3	376.0	375.4	375.5	374.6
35°	367.6	368.0	368.5	369.2	370.9	371.6	372.9	373.3	373.1	373.1	372.3
35.5°	365.0	365.3	365.9	366.7	368.4	369.2	370.2	370.8	370.8	370.8	369.9
36°	362.5	362.7	363.2	364.2	365.9	366.8	368.0	368.4	368.4	368.1	367.3
36.5°	360.0	360.1	360.9	361.7	363.6	364.1	365.5	365.9	365.9	366.0	364.7
37°	357.4	357.5	358.1	359.1	360.9	361.7	362.9	363.6	363.3	363.3	362.4
37.5°	354.5	354.9	355.4	356.5	358.1	359.1	360.3	360.8	360.7	360.6	359.8
38°	351.7	352.3	352.9	353.7	355.5	356.7	357.9	358.2	358.0	357.8	357.3
38.5°	349.2	349.6	350.0	350.9	352.9	353.9	355.2	355.6	355.6	355.3	354.6
39°	346.5	346.6	347.4	348.3	350.0	351.1	352.5	353.1	352.9	352.7	351.8
39.5°	343.8	343.8	344.6	345.6	347.3	348.5	350.0	350.4	350.2	350.0	348.9
40°	341.0	341.4	341.9	343.0	344.7	345.9	347.0	347.7	347.4	347.4	346.2
40.5°	338.0	338.4	339.2	340.2	342.0	343.1	344.3	344.9	344.8	344.6	343.5
41°	335.2	335.8	336.3	337.5	339.3	340.5	341.5	342.2	342.2	341.8	340.8
41.5°	332.3	332.8	333.4	334.7	336.5	337.7	338.8	339.3	339.3	338.9	337.9
42°	329.4	329.9	330.4	331.7	333.5	334.8	335.9	336.4	336.3	336.1	335.2
42.5°	326.4	327.0	327.4	328.8	330.7	331.7	333.0	333.7	333.5	333.4	332.3
43°	323.4	323.9	324.5	325.8	327.7	329.0	330.2	330.9	330.6	330.4	329.4
43.5°	320.5	321.0	321.6	322.9	324.6	326.0	327.1	328.0	327.7	327.3	326.5
44°	317.7	317.9	318.5	319.8	321.7	323.1	324.3	324.9	324.7	324.5	323.6
44.5°	314.3	314.7	315.6	316.8	318.8	320.1	321.2	321.8	321.7	321.4	320.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	311.4	311.7	312.5	313.9	315.9	317.0	318.3	318.9	318.8	318.6	317.5
45.5°	308.4	308.5	309.4	310.7	312.8	313.9	315.2	315.7	315.9	315.5	314.4
46°	305.2	305.5	306.2	307.7	309.5	310.8	312.2	312.8	312.9	312.6	311.5
46.5°	302.1	302.3	303.0	304.3	306.4	307.8	309.2	309.6	309.6	309.4	308.3
47°	298.9	299.2	300.0	301.4	303.2	304.7	306.0	306.5	306.6	306.2	305.1
47.5°	295.7	295.9	296.9	298.2	300.2	301.5	302.9	303.4	303.4	303.2	302.1
48°	292.4	292.7	293.8	294.9	297.1	298.3	299.8	300.4	300.3	299.9	299.1
48.5°	289.2	289.4	290.4	291.7	293.9	295.2	296.6	297.2	297.2	296.8	295.9
49°	286.0	286.1	287.2	288.5	290.6	291.9	293.5	294.1	294.0	293.6	292.7
49.5°	282.7	282.9	283.8	285.3	287.3	288.7	290.1	290.6	290.9	290.5	289.4
50°	279.1	279.5	280.5	281.9	284.1	285.6	287.1	287.6	287.7	287.3	286.0
50.5°	275.8	276.1	277.2	278.7	280.7	282.3	283.7	284.2	284.2	283.9	282.7
51°	272.5	272.7	273.7	275.2	277.5	278.9	280.2	281.0	281.0	280.4	279.5
51.5°	269.0	269.4	270.3	271.8	274.0	275.6	277.0	277.6	277.7	277.2	276.1
52°	265.5	265.9	266.8	268.4	270.9	272.2	273.8	274.5	274.3	273.8	272.9
52.5°	262.0	262.5	263.5	265.0	267.4	268.8	270.3	271.0	270.8	270.4	269.3
53°	258.6	259.1	260.2	261.5	263.9	265.4	266.9	267.7	267.5	267.1	265.9
53.5°	255.1	255.3	256.6	258.0	260.6	262.1	263.3	264.1	264.0	263.6	262.6
54°	251.6	251.6	252.9	254.4	257.1	258.4	260.0	260.8	260.5	260.3	259.0
54.5°	248.1	248.5	249.4	250.8	253.4	255.1	256.6	257.1	257.1	256.7	255.4
55°	244.5	244.9	245.9	247.5	250.1	251.6	253.1	254.0	253.7	253.3	252.0
55.5°	240.9	241.1	242.4	243.8	246.5	248.2	249.6	250.4	250.3	249.7	248.6
56°	237.3	237.5	238.7	240.2	243.1	244.5	246.2	247.0	246.7	246.1	245.0
56.5°	233.5	233.9	235.1	236.5	239.4	240.9	242.4	243.1	243.2	242.4	241.5
57°	229.8	230.2	231.3	232.7	235.7	237.4	239.0	239.8	239.5	238.9	237.9
57.5°	226.1	226.4	227.6	229.1	232.0	233.6	235.2	235.9	235.9	235.3	234.2
58°	222.5	222.8	223.8	225.5	228.4	230.1	231.7	232.3	232.1	231.6	230.5
58.5°	218.7	218.8	220.2	221.7	224.7	226.4	227.9	228.7	228.7	227.9	226.9
59°	214.8	215.3	216.3	218.0	221.0	222.6	224.2	225.0	225.0	224.0	223.1
59.5°	210.9	211.4	212.5	214.1	217.2	218.9	220.4	221.3	221.1	220.5	219.3
60°	207.1	207.5	208.9	210.5	213.4	215.2	216.7	217.5	217.3	216.7	215.5
60.5°	203.4	203.7	204.8	206.6	209.5	211.5	213.0	213.7	213.6	213.0	211.8
61°	199.7	200.0	201.1	203.0	205.7	207.7	209.3	210.0	209.8	209.0	208.2
61.5°	195.6	196.0	197.2	199.0	201.9	203.8	205.3	206.1	206.2	205.3	204.3
62°	191.6	192.2	193.4	195.0	198.3	200.2	201.6	202.4	202.3	201.6	200.5
62.5°	187.6	188.2	189.3	191.0	194.4	196.3	197.9	198.6	198.5	197.8	196.6
63°	183.7	184.3	185.4	187.2	190.5	192.4	193.9	194.8	194.6	193.9	192.8
63.5°	179.8	180.4	181.6	183.2	186.5	188.5	190.2	190.8	190.8	190.1	188.8
64°	175.7	176.3	177.6	179.4	182.5	184.7	186.1	186.8	186.8	186.1	185.0
64.5°	171.9	172.5	173.6	175.4	178.7	180.6	182.3	182.9	182.9	182.2	180.9
65°	167.8	168.4	169.7	171.5	174.8	176.8	178.5	179.1	179.1	178.4	177.2
65.5°	163.8	164.5	165.6	167.6	171.0	172.8	174.4	175.1	175.2	174.5	173.0
66°	159.7	160.3	161.5	163.4	166.8	168.8	170.4	171.1	171.0	170.4	169.1
66.5°	155.7	156.4	157.4	159.3	162.8	164.7	166.3	167.1	167.0	166.2	165.1
67°	151.8	152.2	153.4	155.3	158.8	160.7	162.3	163.1	163.0	162.4	161.0

TEST NUMBER: P869636
 CATALOG NUMBER: SMX14RLSFS010-1300LM-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	147.5	148.2	149.5	151.3	154.8	156.6	158.2	159.1	159.2	158.3	157.0
68°	143.5	144.0	145.4	147.2	150.7	152.7	154.5	155.0	155.1	154.3	153.1
68.5°	139.3	139.9	141.2	143.1	146.8	148.7	150.2	151.1	151.1	150.2	149.1
69°	135.1	135.7	137.1	139.0	142.7	144.6	146.3	147.0	147.0	146.2	145.2
69.5°	131.0	131.6	133.1	134.7	138.6	140.7	142.3	143.0	143.0	142.1	140.8
70°	126.9	127.5	128.9	130.7	134.5	136.5	138.1	138.8	139.0	138.1	136.7
70.5°	122.8	123.4	124.8	126.7	130.6	132.4	134.0	134.9	134.9	134.1	132.7
71°	118.6	119.1	120.6	122.4	126.4	128.5	130.2	130.9	130.9	130.0	128.7
71.5°	114.4	115.1	116.4	118.2	122.2	124.4	125.9	126.7	126.7	125.9	124.4
72°	110.4	110.9	112.3	114.1	118.0	120.2	121.9	122.5	122.6	121.8	120.3
72.5°	106.3	106.9	108.3	110.1	114.0	116.1	117.7	118.5	118.6	117.7	116.3
73°	102.1	102.7	104.2	105.9	109.8	111.9	113.6	114.2	114.4	113.5	112.0
73.5°	97.9	98.5	100.0	101.7	105.9	107.9	109.6	110.3	110.3	109.4	108.1
74°	93.8	94.5	95.8	97.6	101.7	103.8	105.6	106.1	106.3	105.3	104.0
74.5°	89.6	90.3	91.7	93.5	97.6	99.7	101.4	102.1	102.2	101.3	99.8
75°	85.5	86.2	87.6	89.4	93.5	95.6	97.2	97.9	97.9	97.1	95.7
75.5°	81.5	82.1	83.6	85.4	89.4	91.4	93.1	93.9	93.8	93.0	91.6
76°	77.4	78.0	79.5	81.3	85.3	87.3	88.9	89.7	89.8	88.9	87.4
76.5°	73.3	74.0	75.4	77.1	81.3	83.4	84.9	85.6	85.7	84.8	83.3
77°	69.2	69.9	71.4	73.2	77.1	79.2	80.9	81.6	81.5	80.8	79.4
77.5°	65.4	66.1	67.5	69.3	73.2	75.2	76.9	77.5	77.6	76.7	75.3
78°	61.4	62.1	63.5	65.2	69.2	71.2	72.9	73.4	73.5	72.6	71.3
78.5°	57.5	58.2	59.6	61.5	65.1	67.1	68.8	69.5	69.5	68.7	67.3
79°	53.7	54.3	55.8	57.5	61.3	63.2	64.8	65.5	65.5	64.7	63.4
79.5°	49.8	50.5	51.9	53.7	57.4	59.4	61.0	61.6	61.6	60.9	59.4
80°	46.1	46.6	48.2	49.8	53.5	55.6	57.1	57.8	57.8	57.0	55.7
80.5°	42.4	43.1	44.4	46.1	49.8	51.8	53.3	53.9	53.9	53.1	51.7
81°	38.8	39.5	40.7	42.4	46.1	47.9	49.4	50.2	50.2	49.4	48.0
81.5°	35.3	36.1	37.2	38.9	42.4	44.2	45.7	46.4	46.3	45.5	44.2
82°	31.8	32.5	33.7	35.2	38.7	40.6	42.0	42.7	42.7	41.9	40.6
82.5°	28.6	29.2	30.4	31.9	35.3	37.1	38.4	39.1	39.1	38.3	37.0
83°	25.3	26.0	27.1	28.5	31.9	33.7	35.0	35.8	35.7	35.0	33.6
83.5°	22.3	22.9	24.0	25.3	28.5	30.2	31.5	32.2	32.2	31.4	30.2
84°	19.3	20.0	21.1	22.3	25.2	27.0	28.2	28.8	28.8	28.0	26.9
84.5°	16.6	17.2	18.2	19.5	22.2	23.7	25.0	25.6	25.5	24.8	23.7
85°	14.1	14.6	15.6	16.7	19.2	20.7	21.9	22.5	22.5	21.8	20.8
85.5°	11.6	12.0	13.0	14.2	16.4	17.8	18.9	19.4	19.4	18.8	17.8
86°	9.4	9.7	10.6	11.7	14.1	15.2	16.1	16.7	16.6	16.0	15.1
86.5°	7.1	7.5	8.4	9.4	11.7	12.8	13.8	14.2	14.2	13.7	12.7
87°	5.2	5.4	6.1	7.2	9.5	10.6	11.5	12.0	11.9	11.4	10.5
87.5°	3.8	3.9	4.5	5.2	7.4	8.4	9.3	9.7	9.6	9.1	8.3
88°	2.3	2.6	3.0	3.8	5.5	6.4	7.2	7.6	7.5	7.1	6.4
88.5°	1.4	1.6	1.9	2.4	3.8	4.6	5.3	5.6	5.6	5.2	4.5
89°	0.9	0.9	1.2	1.4	2.4	3.1	3.6	3.9	3.9	3.5	3.1
89.5°	0.6	0.5	0.6	0.8	1.3	1.9	2.3	2.5	2.5	2.2	1.7

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



TEST NUMBER: P869636
CATALOG NUMBER: SMX14RLSFS010-1300LM-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P869636
 CATALOG NUMBER: SMX14RLSFS010-1300LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	460.2	460.2	460.2	460.2	460.2	460.2
0.5°	460.2	460.6	460.5	460.2	460.3	460.0
1°	460.2	460.6	460.3	460.1	460.2	460.1
1.5°	460.3	460.6	460.3	459.8	459.8	459.9
2°	460.1	460.3	460.1	459.9	459.8	459.8
2.5°	459.8	460.1	459.9	459.6	459.5	459.4
3°	459.6	459.7	459.8	459.5	459.5	459.2
3.5°	459.6	459.6	459.5	459.2	459.4	459.1
4°	459.4	459.3	459.1	458.6	458.5	458.8
4.5°	458.9	459.0	459.0	458.3	458.4	458.3
5°	458.5	458.8	458.4	458.0	457.7	457.8
5.5°	458.4	458.1	458.3	457.7	457.7	457.3
6°	457.9	457.7	457.6	457.2	457.3	456.9
6.5°	457.2	457.0	457.1	456.6	456.7	456.6
7°	456.7	456.6	456.6	456.2	456.2	456.1
7.5°	456.2	456.2	456.1	455.6	455.9	455.6
8°	455.5	455.4	455.4	455.0	455.4	454.9
8.5°	455.1	454.8	454.6	454.4	454.5	454.1
9°	454.6	454.4	454.2	453.5	453.7	453.4
9.5°	453.9	453.7	453.5	452.7	452.9	452.5
10°	453.0	452.8	452.6	452.2	452.2	451.8
10.5°	452.3	452.1	451.8	451.3	451.0	451.0
11°	451.5	451.3	451.0	450.6	450.2	450.5
11.5°	450.6	450.4	450.2	449.6	449.5	449.3
12°	449.8	449.5	449.2	448.8	448.7	448.4
12.5°	448.9	448.7	448.4	447.6	447.6	447.2
13°	447.8	447.9	447.4	446.8	446.7	446.5
13.5°	446.8	446.7	446.3	445.7	445.7	445.4
14°	445.9	445.6	445.5	444.6	444.4	444.4
14.5°	444.7	444.6	444.3	443.6	443.4	443.0
15°	443.7	443.6	443.2	442.4	442.2	442.2
15.5°	442.7	442.4	441.9	441.2	441.1	440.9
16°	441.4	441.2	440.7	439.9	439.9	439.6
16.5°	440.3	440.0	439.4	438.6	438.5	438.5
17°	439.1	438.7	438.1	437.5	437.3	437.3
17.5°	438.0	437.3	437.0	436.2	436.2	435.9
18°	436.5	436.1	435.2	434.8	434.5	434.6
18.5°	435.3	434.9	434.2	433.4	433.4	433.1
19°	433.8	433.4	432.8	432.1	431.8	431.7
19.5°	432.3	431.9	431.5	430.8	430.4	430.1
20°	431.0	430.5	429.8	429.1	429.0	428.7
20.5°	429.6	428.8	428.3	427.5	427.5	427.2
21°	427.9	427.4	426.7	426.0	425.6	425.8
21.5°	426.2	425.8	425.1	424.4	424.1	424.1
22°	424.6	424.2	423.4	422.7	422.1	422.3

TEST NUMBER: P869636
 CATALOG NUMBER: SMX14RLSFS010-1300LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	422.9	422.4	421.8	420.9	420.6	420.8
23°	421.3	420.9	420.2	419.1	418.8	419.0
23.5°	419.6	419.2	418.6	417.5	417.2	417.2
24°	417.9	417.5	416.6	415.6	415.3	415.4
24.5°	416.3	415.5	414.9	413.7	413.5	413.5
25°	414.6	413.9	413.1	412.2	411.8	411.9
25.5°	412.7	412.1	411.1	410.2	410.0	409.8
26°	410.7	410.3	409.2	408.5	408.0	407.9
26.5°	408.6	408.1	407.3	406.3	406.1	405.9
27°	406.8	406.2	405.4	404.3	404.0	404.2
27.5°	405.1	404.0	403.3	402.4	401.9	401.9
28°	402.7	402.1	401.4	400.0	399.6	399.7
28.5°	400.8	400.1	399.2	398.0	397.4	397.6
29°	398.9	398.0	397.0	395.9	395.4	395.5
29.5°	396.8	395.8	394.9	393.7	393.3	393.1
30°	394.7	393.7	392.9	391.5	391.2	391.0
30.5°	392.4	391.6	390.7	389.5	389.0	389.2
31°	390.4	389.3	388.1	387.3	386.8	386.8
31.5°	388.2	386.7	386.0	385.1	384.5	384.5
32°	385.9	384.8	383.7	382.7	382.0	382.4
32.5°	383.7	382.4	381.6	380.3	379.8	380.0
33°	381.2	380.0	379.1	378.0	377.5	377.5
33.5°	378.9	377.5	376.6	375.6	375.0	374.9
34°	376.4	375.4	374.0	373.0	372.5	372.6
34.5°	374.2	372.7	371.7	370.5	369.8	369.9
35°	371.6	370.3	369.0	368.1	367.5	367.6
35.5°	369.2	367.9	366.9	365.7	365.0	365.0
36°	366.6	365.4	364.3	362.9	362.5	362.5
36.5°	364.3	362.6	361.5	360.3	359.8	360.0
37°	361.5	360.2	358.7	358.0	357.3	357.4
37.5°	359.3	357.7	356.5	355.4	354.7	354.5
38°	356.3	354.9	353.6	352.5	351.8	351.7
38.5°	353.7	352.2	350.8	349.7	349.2	349.2
39°	350.9	349.5	348.1	347.2	346.6	346.5
39.5°	348.4	346.6	345.5	344.3	343.8	343.8
40°	345.5	344.1	342.9	341.6	341.1	341.0
40.5°	343.0	341.4	339.9	338.8	338.3	338.0
41°	340.0	338.5	337.0	335.9	335.3	335.2
41.5°	337.4	335.6	334.1	333.0	332.3	332.3
42°	334.4	332.6	331.3	329.9	329.5	329.4
42.5°	331.5	329.7	328.4	327.1	326.5	326.4
43°	328.6	326.6	325.4	324.1	323.5	323.4
43.5°	325.7	323.8	322.7	321.1	320.6	320.5
44°	322.6	320.9	319.5	318.0	317.5	317.7
44.5°	319.8	317.8	316.5	315.1	314.4	314.3

TEST NUMBER: P869636
 CATALOG NUMBER: SMX14RLSFS010-1300LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	316.7	314.7	313.3	312.1	311.4	311.4
45.5°	313.6	311.6	310.3	308.8	308.5	308.4
46°	310.5	308.7	307.1	305.9	305.2	305.2
46.5°	307.4	305.3	304.0	302.7	301.8	302.1
47°	304.4	302.3	300.7	299.6	298.6	298.9
47.5°	301.1	299.1	297.5	296.4	295.5	295.7
48°	297.9	295.9	294.4	293.2	292.4	292.4
48.5°	294.9	292.7	291.2	289.9	289.4	289.2
49°	291.7	289.6	287.9	286.5	286.0	286.0
49.5°	288.3	286.2	284.7	283.2	282.5	282.7
50°	285.0	282.7	281.2	280.0	279.2	279.1
50.5°	281.6	279.4	278.0	276.6	276.0	275.8
51°	278.3	276.2	274.6	273.2	272.7	272.5
51.5°	275.3	272.8	271.3	269.8	269.1	269.0
52°	271.7	269.4	267.9	266.5	265.6	265.5
52.5°	268.3	265.8	264.4	263.0	262.2	262.0
53°	264.8	262.4	261.0	259.5	258.6	258.6
53.5°	261.4	258.9	257.3	255.8	255.1	255.1
54°	257.8	255.3	253.8	252.4	251.5	251.6
54.5°	254.4	251.9	250.4	248.9	248.2	248.1
55°	250.9	248.5	246.7	245.3	244.6	244.5
55.5°	247.4	244.7	243.1	241.9	241.0	240.9
56°	243.8	241.1	239.6	238.1	237.2	237.3
56.5°	240.2	237.5	235.8	234.3	233.8	233.5
57°	236.5	233.9	232.2	230.6	229.8	229.8
57.5°	232.9	230.1	228.4	226.9	226.1	226.1
58°	229.2	226.4	224.7	223.2	222.4	222.5
58.5°	225.6	222.7	220.9	219.3	218.6	218.7
59°	221.9	218.9	217.0	215.5	214.8	214.8
59.5°	218.0	215.2	213.4	211.6	210.8	210.9
60°	214.2	211.2	209.5	207.8	207.1	207.1
60.5°	210.4	207.4	205.6	203.9	203.3	203.4
61°	206.6	203.6	201.8	200.4	199.5	199.7
61.5°	202.9	199.7	198.0	196.4	195.6	195.6
62°	199.1	195.9	194.1	192.4	191.7	191.6
62.5°	195.2	191.9	190.1	188.3	187.6	187.6
63°	191.3	188.0	186.1	184.5	183.8	183.7
63.5°	187.3	183.9	182.2	180.6	179.8	179.8
64°	183.4	180.1	178.3	176.8	175.9	175.7
64.5°	179.4	176.2	174.3	172.8	171.9	171.9
65°	175.6	172.2	170.2	168.7	167.8	167.8
65.5°	171.7	168.1	166.3	164.7	163.9	163.8
66°	167.5	164.1	162.2	160.4	159.7	159.7
66.5°	163.4	160.0	158.1	156.4	155.7	155.7
67°	159.4	156.1	154.1	152.5	151.6	151.8

TEST NUMBER: P869636
 CATALOG NUMBER: SMX14RLSFS010-1300LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	155.7	151.9	149.9	148.5	147.4	147.5
68°	151.5	147.9	145.7	144.2	143.5	143.5
68.5°	147.4	143.8	141.7	140.0	139.2	139.3
69°	143.2	139.6	137.5	136.1	135.0	135.1
69.5°	139.2	135.5	133.5	131.8	130.9	131.0
70°	135.2	131.4	129.4	127.6	127.0	126.9
70.5°	131.0	127.2	125.2	123.7	122.9	122.8
71°	126.9	122.9	121.1	119.4	118.5	118.6
71.5°	122.9	118.8	116.9	115.3	114.2	114.4
72°	118.7	114.8	112.8	111.1	110.4	110.4
72.5°	114.6	110.7	108.7	107.1	106.3	106.3
73°	110.3	106.5	104.5	102.8	102.2	102.1
73.5°	106.3	102.3	100.4	98.7	97.8	97.9
74°	102.3	98.3	96.1	94.6	93.7	93.8
74.5°	98.1	94.1	92.1	90.4	89.5	89.6
75°	93.9	89.9	88.0	86.4	85.7	85.5
75.5°	89.8	85.8	83.9	82.2	81.3	81.5
76°	85.7	81.7	79.8	78.1	77.4	77.4
76.5°	81.7	77.6	75.6	74.1	73.3	73.3
77°	77.6	73.7	71.7	70.1	69.2	69.2
77.5°	73.5	69.7	67.7	66.2	65.4	65.4
78°	69.5	65.6	63.7	62.2	61.4	61.4
78.5°	65.5	61.7	59.9	58.3	57.6	57.5
79°	61.6	57.8	56.0	54.5	53.7	53.7
79.5°	57.6	53.9	52.1	50.5	49.8	49.8
80°	53.9	50.0	48.2	46.7	46.0	46.1
80.5°	50.1	46.4	44.6	43.0	42.3	42.4
81°	46.3	42.6	40.8	39.5	38.8	38.8
81.5°	42.5	39.1	37.4	35.9	35.2	35.3
82°	39.0	35.6	33.9	32.5	31.8	31.8
82.5°	35.5	32.2	30.6	29.3	28.6	28.6
83°	32.1	28.8	27.3	26.0	25.4	25.3
83.5°	28.6	25.6	24.1	22.9	22.3	22.3
84°	25.3	22.6	21.1	19.9	19.3	19.3
84.5°	22.3	19.6	18.3	17.2	16.6	16.6
85°	19.3	16.8	15.6	14.6	14.2	14.1
85.5°	16.5	14.4	13.1	12.2	11.7	11.6
86°	14.0	11.9	10.7	9.8	9.4	9.4
86.5°	11.7	9.5	8.4	7.5	7.1	7.1
87°	9.5	7.3	6.2	5.5	5.1	5.2
87.5°	7.4	5.3	4.5	3.9	3.7	3.8
88°	5.5	3.8	3.1	2.6	2.4	2.3
88.5°	3.8	2.4	2.0	1.7	1.4	1.4
89°	2.4	1.6	1.2	0.9	0.8	0.9
89.5°	1.3	0.9	0.7	0.6	0.8	0.6

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


NVLAP Lab Code: 200050-0



TEST NUMBER: P869636
CATALOG NUMBER: SMX14RLSFS010-1300LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)