

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: P869726

Luminaire Tested: **SMX18SLSFS010-1500LM-2700K**

Issue Date: 8/29/2024

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P869726
 Test Lab:
 Issue Date: 8/29/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: SMX18SLSFS010-1500LM-2700K
 Description: 18IN SQUARE, 90CRI, DIMMING TO 10%, DAMP LOCATION
 Light Source: SELECTABLE CCT 90CRI / 2700K CCT
 Ballast/Driver: -

Summary

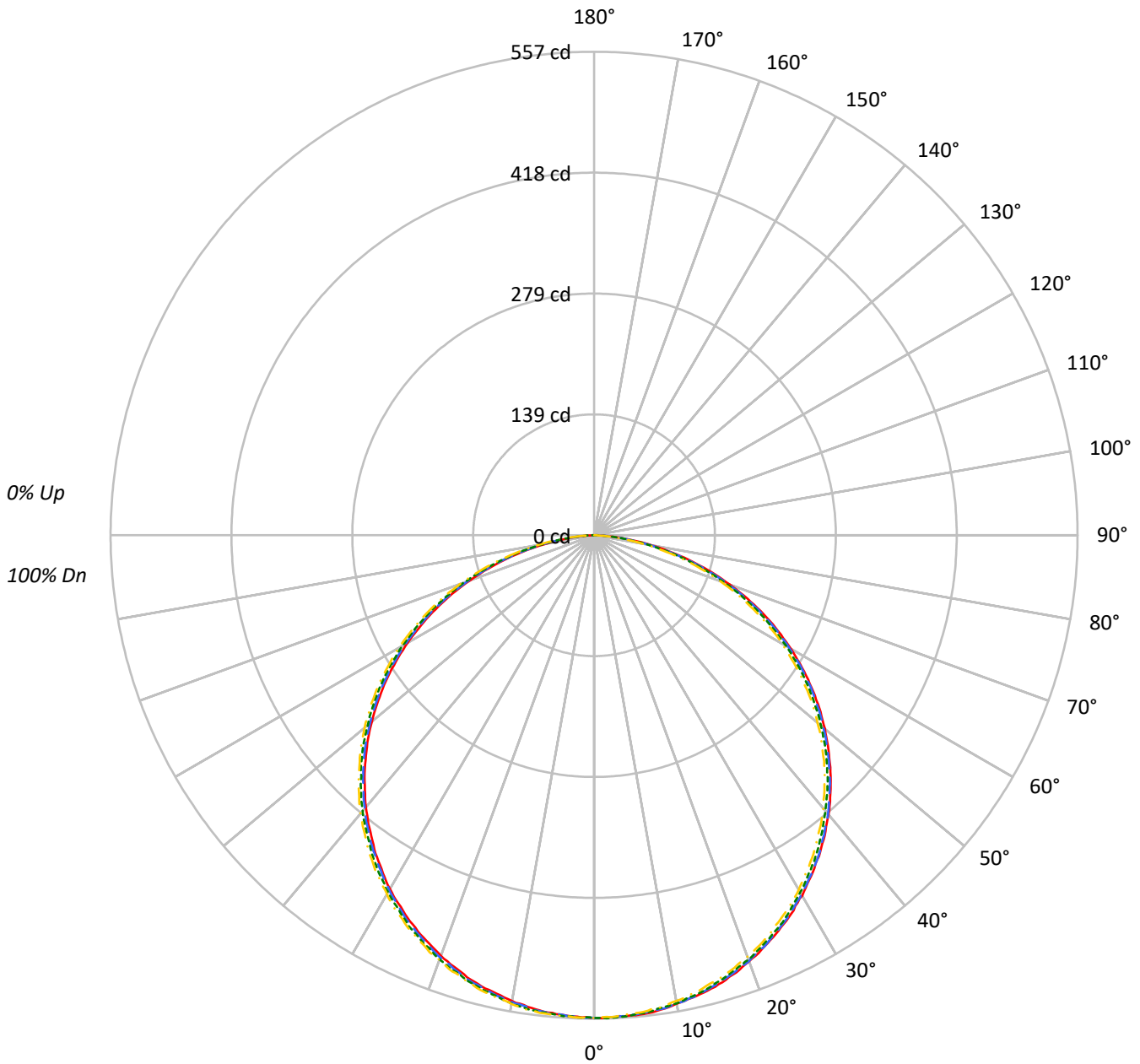
Lumens per Lamp: N/A
 Luminaire Lumens: 1623.6 lumens
 Efficiency: N/A
 Efficacy: 97.2 lumens/watt
 Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
 Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 16.7
 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	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	80	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	58	52	62	56	52	50	50	50
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	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	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	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	43	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	26	24	24	24

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	2661	2661	2661	2661
5°	2666	2660	2653	2659
10°	2663	2660	2646	2661
15°	2668	2650	2637	2652
20°	2660	2650	2625	2647
25°	2654	2640	2610	2637
30°	2649	2624	2600	2622
35°	2637	2612	2578	2609
40°	2625	2590	2555	2591
45°	2606	2568	2524	2570
50°	2583	2539	2488	2533
55°	2551	2504	2443	2497
60°	2507	2447	2374	2436
65°	2442	2365	2278	2357
70°	2327	2239	2132	2230
75°	2157	2046	1908	2022
80°	1890	1733	1551	1703
85°	1449	1219	961	1175

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.7	3.2
10°-20°	151.2	9.3
20°-30°	230.2	14.2
30°-40°	279.4	17.2
40°-50°	292.7	18.0
50°-60°	267.6	16.5
60°-70°	206.0	12.7
70°-80°	116.4	7.2
80°-90°	27.4	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°	434.0	26.7
0°-40°	713.5	43.9
0°-60°	1273.7	78.5
0°-90°	1623.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1623.6	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	556	556	556	556	556	
5°	555	554	552	554	555	53
15°	539	535	532	535	539	152
25°	503	500	494	500	503	232
35°	452	447	442	447	452	282
45°	385	380	373	380	385	297
55°	306	300	293	299	306	273
65°	216	209	201	208	216	213
75°	117	111	103	109	117	123
85°	26	22	18	21	26	32
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°	556.2	556.2	556.2	556.2	556.2	556.2	556.2	556.2	556.2	556.2	556.2
0.5°	556.1	555.9	556.2	555.8	556.3	556.8	555.8	556.2	555.8	556.1	555.5
1°	556.5	555.6	556.3	556.1	556.1	556.3	555.4	555.7	555.4	555.8	556.2
1.5°	556.0	556.0	555.7	556.1	556.7	556.2	555.0	555.6	555.6	555.4	556.0
2°	555.7	555.3	555.6	556.0	556.5	555.9	555.7	555.0	554.9	554.9	554.9
2.5°	555.6	555.8	555.4	556.0	556.1	555.9	555.1	554.9	554.7	554.7	554.8
3°	554.8	555.9	555.2	555.4	555.6	555.4	554.4	555.3	554.6	554.1	554.9
3.5°	555.2	556.1	555.0	555.4	555.7	554.9	554.4	554.9	554.0	554.0	554.0
4°	555.0	555.4	554.9	555.5	555.3	554.6	553.2	554.4	553.5	554.2	553.5
4.5°	554.9	555.4	554.1	555.3	554.7	554.5	553.2	553.3	553.5	553.7	553.3
5°	555.2	554.9	554.1	554.5	553.9	554.2	552.8	553.0	552.5	552.3	553.8
5.5°	554.8	554.5	553.7	553.5	553.5	553.5	552.5	552.1	552.4	551.7	553.0
6°	554.5	554.5	553.3	553.6	553.5	552.4	552.1	552.0	551.9	551.2	552.0
6.5°	554.0	554.2	552.8	552.7	552.8	552.5	551.3	551.2	551.1	550.7	551.5
7°	553.6	553.8	552.3	552.4	552.1	551.8	549.8	550.2	550.4	549.8	551.5
7.5°	552.7	552.5	551.5	551.4	550.7	551.4	549.7	549.6	549.3	549.1	550.4
8°	552.0	551.4	551.2	551.2	549.9	550.7	549.3	548.6	548.7	548.5	548.8
8.5°	551.4	550.6	551.0	549.8	549.5	549.9	548.3	548.1	547.1	547.9	548.2
9°	550.6	549.7	550.0	549.5	548.8	549.2	547.0	547.4	546.4	546.8	547.4
9.5°	549.3	549.4	548.8	548.2	548.2	548.4	545.6	546.0	546.2	546.0	547.2
10°	548.1	548.2	547.7	547.8	547.6	547.4	544.9	544.9	544.7	545.6	546.2
10.5°	547.4	547.4	547.4	546.4	546.5	545.9	544.2	543.9	543.6	544.4	545.1
11°	546.5	546.5	546.5	546.0	545.3	545.1	543.0	543.6	542.5	542.8	543.8
11.5°	545.3	546.0	545.1	544.4	543.5	544.3	542.0	542.2	540.8	542.1	542.8
12°	544.8	544.5	544.4	543.3	543.0	543.4	540.4	541.7	540.1	540.6	542.2
12.5°	543.9	543.4	544.0	542.3	542.3	542.3	539.2	540.5	538.6	539.5	540.7
13°	542.8	543.2	542.6	541.0	541.0	541.0	538.4	538.9	537.6	538.6	539.0
13.5°	541.8	542.2	540.7	540.0	539.9	539.6	536.9	538.0	537.1	537.5	537.4
14°	540.7	541.0	539.5	539.3	538.7	537.2	535.0	536.4	535.7	536.5	536.7
14.5°	539.5	539.3	538.0	537.5	537.2	536.4	533.5	534.7	534.1	534.8	535.4
15°	538.6	537.8	536.9	536.7	535.1	535.4	532.6	533.4	532.5	532.8	534.4
15.5°	536.9	536.6	535.7	535.0	533.9	533.8	531.6	531.8	531.3	531.3	533.1
16°	535.9	535.1	534.0	533.8	533.0	532.6	530.1	530.3	529.9	530.4	531.6
16.5°	534.2	533.6	532.6	532.0	531.1	531.2	528.5	528.9	527.6	528.9	530.0
17°	532.2	531.8	531.0	531.0	529.5	529.6	527.0	527.6	525.8	526.8	527.8
17.5°	531.0	530.5	529.7	528.7	527.5	528.0	525.5	526.1	524.2	525.0	526.3
18°	529.9	529.1	528.1	527.2	526.4	526.1	524.1	524.0	522.5	523.3	524.8
18.5°	528.0	527.6	526.6	525.4	524.4	524.5	521.6	521.9	521.2	521.6	522.5
19°	525.8	526.2	524.8	523.8	523.3	522.7	519.9	520.2	519.1	519.9	520.3
19.5°	524.1	524.7	523.6	522.1	521.4	521.1	518.5	518.2	517.6	518.2	519.0
20°	522.4	522.5	522.0	520.8	520.5	519.5	516.6	516.4	515.7	516.2	517.7
20.5°	520.4	520.4	519.5	518.6	518.5	517.4	515.0	514.5	513.3	514.3	516.4
21°	519.2	518.4	517.8	516.9	516.2	515.5	513.2	512.5	511.5	513.0	514.0
21.5°	517.4	516.9	516.2	515.7	514.2	513.5	511.1	510.3	509.4	511.2	511.6
22°	514.8	514.8	514.3	513.8	512.4	511.1	509.5	509.4	507.3	508.6	509.8

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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°	512.7	512.7	512.8	511.5	510.1	508.9	507.4	507.0	505.3	506.4	507.5
23°	511.0	510.7	510.6	509.1	508.0	507.6	505.1	505.2	503.4	504.7	505.7
23.5°	508.9	509.1	508.1	507.0	506.3	505.5	502.9	503.2	501.6	503.0	503.5
24°	506.9	507.2	505.9	505.5	503.8	503.2	500.9	500.5	499.4	500.3	501.5
24.5°	504.9	504.8	503.8	503.0	501.8	501.0	497.8	497.9	496.6	497.5	499.1
25°	502.7	502.2	501.8	500.7	500.1	498.8	495.6	496.2	494.5	495.4	496.6
25.5°	500.4	500.1	499.4	498.3	497.7	496.6	493.9	494.2	492.7	493.2	494.4
26°	498.5	498.1	497.2	496.1	495.9	494.3	491.4	491.8	490.3	491.2	492.9
26.5°	496.3	496.2	495.4	493.7	493.0	491.6	489.0	489.5	488.1	488.6	490.1
27°	493.8	493.8	493.1	491.6	490.9	489.0	486.9	487.0	485.2	485.9	487.3
27.5°	491.7	491.9	490.2	489.5	488.2	486.3	484.6	484.5	482.5	483.6	484.7
28°	489.6	488.6	487.9	487.3	485.0	484.0	482.1	481.5	480.6	482.0	482.4
28.5°	486.1	486.2	485.4	484.8	482.3	481.2	479.5	479.1	478.2	479.4	479.5
29°	484.0	484.0	482.7	482.1	480.2	479.3	477.0	476.6	476.0	476.9	477.3
29.5°	481.0	481.9	480.7	479.6	477.5	476.9	474.5	473.9	472.8	474.1	474.7
30°	479.5	479.2	477.8	476.6	475.1	473.6	471.6	471.1	470.6	471.1	472.0
30.5°	476.5	476.2	475.1	473.6	472.8	470.9	468.5	468.5	468.0	468.1	468.9
31°	473.4	473.1	472.4	471.2	469.7	468.0	465.8	465.4	465.1	465.5	466.7
31.5°	470.7	470.2	470.1	468.4	466.9	465.2	462.6	462.3	462.0	462.3	463.6
32°	468.1	467.8	466.8	466.0	464.0	463.0	459.9	459.9	459.1	459.6	460.8
32.5°	465.4	465.2	464.6	462.9	461.0	460.6	457.2	456.6	455.8	457.0	457.6
33°	462.7	462.5	462.2	460.4	458.7	457.6	454.5	453.7	453.0	454.0	455.2
33.5°	459.8	459.7	459.3	457.2	455.5	454.7	451.5	451.6	450.1	451.0	451.7
34°	456.5	457.2	456.2	454.4	453.2	451.4	448.8	448.8	447.1	448.2	449.0
34.5°	453.6	454.4	453.6	451.2	450.1	448.6	446.2	445.5	444.6	445.0	446.1
35°	451.6	451.3	450.7	448.0	447.2	445.7	442.8	442.3	441.5	442.1	443.4
35.5°	448.7	448.3	447.7	445.7	444.1	442.3	439.4	438.8	437.7	439.6	440.2
36°	445.1	445.0	444.6	442.7	441.0	438.6	436.4	436.6	434.7	436.5	437.6
36.5°	442.0	442.1	440.8	439.9	437.5	435.6	433.0	433.1	431.5	433.0	433.8
37°	439.4	439.4	437.9	436.4	434.3	432.6	429.8	430.2	428.2	429.4	430.5
37.5°	436.4	435.7	435.2	433.1	431.5	429.2	427.0	426.5	425.1	426.2	427.5
38°	433.1	432.7	431.8	430.4	428.1	426.0	424.2	422.7	422.2	423.4	424.6
38.5°	429.3	429.7	428.4	426.6	424.4	422.8	420.9	419.6	418.8	420.6	421.6
39°	426.3	426.1	425.7	423.4	421.0	420.0	417.2	416.6	415.4	417.3	418.2
39.5°	423.0	422.7	422.5	419.8	417.9	416.7	414.0	413.1	412.4	413.2	414.4
40°	420.3	419.3	419.3	416.5	414.7	413.1	410.8	409.8	409.1	409.9	410.9
40.5°	417.1	416.4	415.9	413.1	411.1	409.5	407.0	406.8	405.5	406.4	407.6
41°	413.6	413.1	412.1	410.4	407.9	406.0	403.3	402.9	402.2	402.5	404.3
41.5°	410.2	409.7	408.6	407.0	404.4	403.0	400.0	399.1	398.0	399.3	400.7
42°	406.6	405.9	405.2	403.4	401.1	399.0	396.5	395.9	394.6	395.7	397.2
42.5°	403.1	402.8	401.4	400.2	397.7	395.6	392.9	392.1	390.9	392.6	394.2
43°	399.6	399.7	397.8	396.3	394.2	392.7	389.3	388.8	387.6	388.6	390.1
43.5°	395.9	396.1	394.9	392.5	391.0	389.1	385.9	384.8	384.2	385.4	386.6
44°	392.5	392.2	391.2	388.8	387.3	384.9	382.3	381.3	380.7	381.8	382.9
44.5°	388.9	388.7	387.4	385.1	382.9	381.1	378.9	377.6	376.9	378.5	379.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	385.2	384.6	383.6	381.6	379.6	377.5	375.0	374.1	373.1	374.3	375.8
45.5°	381.8	381.3	379.7	378.6	376.2	374.3	371.5	370.3	369.1	370.8	372.0
46°	377.8	377.9	376.1	374.5	372.6	370.6	367.0	366.4	365.2	367.0	368.6
46.5°	373.7	373.5	372.5	370.3	368.9	366.8	363.5	362.6	361.4	363.4	364.7
47°	370.2	369.8	368.4	366.8	365.2	362.9	359.6	358.8	357.7	359.4	361.1
47.5°	366.5	366.0	364.4	362.7	361.1	358.9	355.7	354.9	354.2	355.2	356.9
48°	362.7	362.5	360.5	359.0	357.1	355.2	352.2	351.3	350.2	351.3	352.7
48.5°	358.4	358.4	356.9	355.2	352.8	351.0	348.1	347.5	346.4	347.2	349.3
49°	354.6	354.7	353.2	351.3	349.1	347.0	344.5	343.6	342.3	343.4	345.0
49.5°	350.8	350.9	349.2	347.3	345.0	342.8	340.2	339.5	338.3	339.8	340.6
50°	347.1	346.9	344.9	343.2	341.2	339.1	336.0	335.7	334.3	335.9	336.9
50.5°	342.8	342.8	341.0	339.0	337.6	335.6	332.3	331.6	330.1	331.5	333.1
51°	338.6	338.6	336.9	335.2	333.6	331.1	327.9	327.2	326.0	327.1	328.9
51.5°	334.8	334.6	333.1	331.1	329.7	326.9	324.4	323.0	321.9	323.2	324.7
52°	331.1	330.3	329.1	327.1	325.1	323.3	320.4	319.3	317.7	319.2	320.6
52.5°	327.0	326.4	324.9	323.0	320.6	319.0	316.4	315.2	313.8	314.7	316.4
53°	322.8	322.5	320.7	318.8	316.6	314.3	312.0	310.8	309.4	311.2	312.4
53.5°	318.3	318.1	316.6	315.0	312.6	310.1	307.9	306.1	305.4	307.0	308.1
54°	314.5	314.3	312.8	310.4	308.2	306.3	303.4	302.1	300.9	302.3	304.1
54.5°	310.5	310.0	308.6	306.0	304.5	302.3	298.6	297.6	297.1	297.8	299.8
55°	305.9	305.7	304.6	301.7	300.2	297.9	294.4	293.7	292.9	293.6	295.3
55.5°	301.4	301.1	299.9	297.8	295.7	293.2	290.3	289.1	288.4	289.3	290.7
56°	297.5	296.8	295.3	293.3	291.1	288.8	286.1	284.8	284.1	285.0	286.8
56.5°	293.0	292.7	291.2	288.8	286.8	284.3	281.6	280.9	279.7	281.0	282.5
57°	288.5	288.5	286.6	284.3	282.6	280.1	277.2	276.4	275.0	276.7	278.3
57.5°	284.2	284.0	282.5	279.9	278.3	275.9	272.5	271.5	270.7	272.0	273.7
58°	279.9	279.2	278.0	275.4	273.8	271.2	268.0	267.0	266.2	267.3	268.9
58.5°	275.3	274.6	273.3	270.9	269.1	266.4	263.5	262.7	261.9	262.7	264.4
59°	270.9	270.6	268.7	266.5	264.8	262.1	259.3	258.1	257.0	258.3	259.8
59.5°	266.6	265.9	264.5	262.4	260.4	257.7	254.7	253.8	252.6	254.1	255.2
60°	262.0	261.4	259.7	257.9	255.7	253.1	250.5	249.3	248.1	249.6	251.1
60.5°	257.5	256.7	255.1	253.4	250.6	248.8	245.9	244.7	243.6	244.6	246.5
61°	253.0	251.9	250.5	248.5	246.3	244.1	241.4	239.9	239.1	240.2	242.0
61.5°	248.0	247.3	245.9	243.7	241.7	239.4	236.8	235.0	234.1	235.5	237.3
62°	243.7	242.7	241.3	239.0	237.1	234.7	232.2	230.6	229.5	230.9	232.6
62.5°	238.9	238.2	236.6	234.5	232.3	230.3	227.4	225.9	224.7	226.2	227.7
63°	234.3	233.4	231.9	229.9	227.8	225.5	222.5	221.4	220.2	221.4	222.9
63.5°	230.0	228.6	227.3	224.9	223.3	220.8	218.0	216.5	215.7	216.5	218.5
64°	224.9	224.2	222.5	220.3	218.7	216.0	213.0	211.8	210.9	211.9	213.9
64.5°	220.3	219.5	217.8	215.4	213.6	211.4	208.0	206.9	205.9	206.9	209.0
65°	215.7	214.9	213.1	210.6	208.9	206.6	203.3	202.2	201.2	202.3	204.1
65.5°	211.0	210.1	208.5	205.6	204.2	201.6	198.4	197.5	196.5	197.6	199.4
66°	205.7	205.2	203.3	200.8	199.3	196.8	193.6	192.4	191.8	192.7	194.6
66.5°	200.7	200.3	198.4	196.2	194.5	192.0	188.7	187.7	187.0	187.8	189.5
67°	196.2	195.2	193.6	191.2	189.8	187.2	184.3	182.7	182.2	182.9	184.8

TEST NUMBER: P869726
 CATALOG NUMBER: SMX18SLSFS010-1500LM-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	191.2	190.3	188.6	186.1	184.9	182.3	179.4	177.7	177.3	178.0	179.7
68°	186.2	185.5	183.7	181.1	180.1	177.4	174.5	173.1	172.3	173.3	175.1
68.5°	181.3	180.6	178.9	176.5	175.1	172.5	169.5	168.3	167.3	168.3	170.3
69°	176.5	176.0	174.0	171.8	170.4	167.5	164.5	163.2	162.3	163.3	165.4
69.5°	171.7	171.0	169.1	166.4	165.2	162.3	159.5	158.0	157.4	158.2	160.5
70°	166.4	166.0	164.0	161.5	160.1	157.5	154.5	153.3	152.4	153.3	155.3
70.5°	161.5	161.1	159.0	156.6	155.3	152.8	149.9	148.5	147.7	148.6	150.5
71°	156.6	156.1	154.3	151.8	150.4	147.9	144.9	143.6	142.8	143.6	145.5
71.5°	151.8	151.3	149.3	146.5	145.3	142.8	139.8	138.4	137.7	138.7	140.5
72°	146.9	146.1	144.1	141.6	140.5	137.7	134.8	133.4	133.0	133.8	135.7
72.5°	141.9	140.9	139.0	136.8	135.5	132.9	130.0	128.7	127.9	128.9	130.8
73°	136.9	135.9	134.1	131.6	130.6	128.1	125.2	123.6	122.8	124.0	125.8
73.5°	131.7	130.9	129.3	126.7	125.5	122.9	120.3	118.6	117.9	119.3	120.8
74°	126.8	125.9	124.0	121.7	120.5	118.0	115.4	113.8	113.0	114.2	115.9
74.5°	121.8	120.9	119.2	116.5	115.7	113.2	110.5	109.0	108.2	109.3	110.9
75°	116.7	115.9	114.2	111.5	110.7	108.1	105.5	104.1	103.2	104.4	106.0
75.5°	111.8	111.1	109.3	106.7	105.8	103.2	100.8	99.0	98.5	99.7	101.3
76°	107.0	106.3	104.4	101.8	100.9	98.3	95.8	94.2	93.7	94.7	96.4
76.5°	102.0	101.3	99.5	96.9	96.1	93.5	90.9	89.6	88.8	89.8	91.4
77°	97.3	96.3	94.7	92.0	91.2	88.6	86.2	84.6	84.0	84.9	86.6
77.5°	92.5	91.4	89.9	87.2	86.3	83.7	81.4	79.9	79.3	80.3	81.9
78°	87.5	86.6	85.0	82.5	81.6	79.1	76.8	75.1	74.5	75.5	77.2
78.5°	82.7	81.8	80.3	77.8	76.9	74.3	71.9	70.5	69.9	70.8	72.4
79°	78.1	77.1	75.5	73.0	72.1	69.5	67.2	65.9	65.2	66.1	67.7
79.5°	73.4	72.4	70.9	68.4	67.5	65.0	62.7	61.4	60.8	61.8	63.2
80°	68.6	67.6	66.1	63.8	62.9	60.6	58.3	57.0	56.3	57.4	58.9
80.5°	64.1	63.1	61.7	59.3	58.5	56.1	53.9	52.6	51.9	53.0	54.6
81°	59.5	58.5	57.4	54.9	54.2	51.8	49.5	48.2	47.7	48.7	50.2
81.5°	55.0	54.2	52.8	50.5	49.8	47.4	45.3	44.0	43.6	44.3	45.8
82°	50.6	49.9	48.3	46.1	45.4	43.2	41.1	39.8	39.3	40.2	41.6
82.5°	46.2	45.6	43.9	41.7	41.2	39.0	37.2	35.8	35.3	36.1	37.6
83°	41.9	41.1	39.7	37.7	37.3	35.1	33.2	31.9	31.5	32.3	33.8
83.5°	37.9	37.0	35.6	33.8	33.3	31.2	29.3	28.1	27.7	28.5	29.8
84°	33.9	33.1	31.8	30.0	29.5	27.5	25.6	24.5	24.0	24.8	26.2
84.5°	30.1	29.4	28.1	26.3	25.8	23.9	22.1	21.0	20.7	21.4	22.6
85°	26.4	25.7	24.5	22.7	22.2	20.5	18.8	17.7	17.5	18.1	19.3
85.5°	22.8	22.2	21.1	19.5	18.9	17.1	15.5	14.7	14.5	15.0	16.1
86°	19.6	18.9	17.9	16.4	15.8	14.2	12.8	11.9	11.7	12.3	13.3
86.5°	16.5	16.0	15.1	13.7	13.0	11.6	10.4	9.7	9.5	10.2	10.8
87°	13.7	13.3	12.4	11.1	10.6	9.4	8.2	7.5	7.4	7.9	8.7
87.5°	11.1	10.7	9.9	8.7	8.3	7.2	6.1	5.5	5.5	6.0	6.6
88°	8.7	8.4	7.7	6.5	6.2	5.2	4.3	3.8	3.7	4.1	4.8
88.5°	6.5	6.2	5.6	4.7	4.5	3.5	2.8	2.3	2.2	2.6	3.1
89°	4.7	4.4	3.9	3.2	3.2	2.2	1.5	1.1	1.0	1.2	1.8
89.5°	3.2	3.1	2.6	2.0	1.8	1.1	0.5	1.0	0.9	1.1	0.6

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



TEST NUMBER: P869726
CATALOG NUMBER: SMX18SLSFS010-1500LM-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: P869726
 CATALOG NUMBER: SMX18SLSFS010-1500LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	556.2	556.2	556.2	556.2	556.2	556.2
0.5°	556.6	555.5	556.9	555.8	555.8	556.1
1°	556.1	555.4	557.1	556.0	555.7	556.5
1.5°	555.9	556.0	556.7	556.0	555.8	556.0
2°	555.6	555.9	556.1	556.0	556.6	555.7
2.5°	555.3	555.0	556.7	555.6	555.7	555.6
3°	555.8	554.6	556.6	555.2	556.2	554.8
3.5°	555.4	555.2	555.9	554.9	555.7	555.2
4°	555.2	554.7	555.9	555.1	555.0	555.0
4.5°	555.2	554.1	555.6	554.8	554.9	554.9
5°	554.8	553.7	555.7	554.4	554.6	555.2
5.5°	553.5	553.2	555.4	554.1	554.9	554.8
6°	552.8	553.0	555.5	554.0	554.0	554.5
6.5°	552.2	553.2	554.8	553.9	553.7	554.0
7°	551.9	551.9	554.2	552.9	553.5	553.6
7.5°	551.2	551.8	553.6	552.6	553.4	552.7
8°	550.4	551.1	552.2	552.1	552.6	552.0
8.5°	549.5	550.0	551.5	551.3	551.1	551.4
9°	548.8	549.4	551.3	550.0	551.0	550.6
9.5°	547.4	548.7	550.3	549.3	549.9	549.3
10°	546.7	547.8	549.0	548.3	548.8	548.1
10.5°	545.5	546.6	548.1	546.5	548.6	547.4
11°	544.7	545.5	547.0	545.6	547.1	546.5
11.5°	543.2	544.1	545.9	545.1	545.8	545.3
12°	542.1	542.5	545.3	544.3	544.9	544.8
12.5°	541.0	541.8	543.5	542.8	544.0	543.9
13°	540.1	540.3	542.0	542.1	542.8	542.8
13.5°	538.8	539.6	541.0	541.1	541.6	541.8
14°	537.9	538.1	540.4	540.2	540.0	540.7
14.5°	536.9	537.1	538.5	538.7	539.1	539.5
15°	535.4	535.4	536.9	536.8	538.5	538.6
15.5°	533.1	534.6	535.9	535.0	537.5	536.9
16°	531.6	533.3	534.4	534.2	535.6	535.9
16.5°	530.1	531.4	533.1	532.7	534.7	534.2
17°	529.0	529.2	531.5	530.6	533.0	532.2
17.5°	527.3	528.0	530.6	529.1	531.5	531.0
18°	525.5	526.9	529.0	528.4	529.9	529.9
18.5°	523.9	525.4	526.8	526.9	527.8	528.0
19°	522.0	523.4	524.6	524.7	525.7	525.8
19.5°	519.9	521.7	522.9	522.6	524.1	524.1
20°	518.5	520.0	521.4	520.8	522.3	522.4
20.5°	517.3	518.5	519.1	519.2	520.7	520.4
21°	515.6	516.1	517.4	517.9	519.0	519.2
21.5°	513.5	513.5	515.5	516.4	517.6	517.4
22°	511.2	511.5	513.5	514.1	516.0	514.8

TEST NUMBER: P869726
 CATALOG NUMBER: SMX18SLSFS010-1500LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	508.5	510.2	511.4	511.6	513.3	512.7
23°	506.8	508.2	509.8	509.8	510.9	511.0
23.5°	504.4	505.6	507.5	508.4	508.9	508.9
24°	502.5	503.5	505.9	505.5	506.8	506.9
24.5°	501.0	501.8	503.6	503.5	504.8	504.9
25°	498.6	499.6	501.3	502.0	503.2	502.7
25.5°	496.1	497.8	498.7	499.8	501.5	500.4
26°	493.9	494.6	496.6	497.3	498.7	498.5
26.5°	491.6	492.2	494.7	494.4	495.9	496.3
27°	488.8	489.7	492.7	492.3	493.9	493.8
27.5°	486.1	486.8	489.9	490.3	492.4	491.7
28°	483.8	484.3	487.1	488.4	489.8	489.6
28.5°	481.0	482.5	484.5	485.7	487.1	486.1
29°	479.0	480.1	482.6	483.1	483.8	484.0
29.5°	476.5	477.3	479.9	480.4	482.0	481.0
30°	474.4	474.7	477.0	477.4	479.7	479.5
30.5°	470.9	472.7	473.9	474.3	476.8	476.5
31°	468.1	468.9	471.5	472.2	473.9	473.4
31.5°	465.2	466.4	469.2	469.0	471.6	470.7
32°	463.1	463.8	466.6	466.4	469.2	468.1
32.5°	460.6	461.4	463.6	463.9	466.8	465.4
33°	457.6	458.5	461.0	461.8	463.7	462.7
33.5°	453.8	455.5	458.0	458.8	460.9	459.8
34°	451.2	452.6	454.9	455.4	457.6	456.5
34.5°	447.9	449.8	452.0	452.6	454.7	453.6
35°	445.1	446.7	449.0	449.9	451.9	451.6
35.5°	442.5	443.3	446.3	447.0	448.7	448.7
36°	439.4	439.9	443.0	444.0	445.4	445.1
36.5°	436.4	436.8	439.9	440.1	442.4	442.0
37°	433.2	433.6	437.2	437.2	439.2	439.4
37.5°	429.6	430.9	433.9	433.8	436.6	436.4
38°	426.2	427.6	430.8	431.0	433.6	433.1
38.5°	423.0	424.5	427.3	428.0	430.5	429.3
39°	419.6	421.6	424.3	424.7	426.4	426.3
39.5°	416.5	418.6	421.0	421.1	423.3	423.0
40°	413.0	414.9	417.7	418.4	419.7	420.3
40.5°	410.2	411.3	414.2	415.2	416.6	417.1
41°	407.0	408.2	410.7	411.9	412.9	413.6
41.5°	403.2	405.0	407.3	408.2	409.8	410.2
42°	399.8	401.3	404.1	404.5	406.9	406.6
42.5°	395.7	397.3	400.5	400.9	403.3	403.1
43°	392.1	394.2	396.4	397.7	400.0	399.6
43.5°	388.3	390.2	392.5	394.4	396.1	395.9
44°	385.0	386.2	388.8	390.5	392.6	392.5
44.5°	381.3	383.2	385.9	386.3	388.9	388.9

TEST NUMBER: P869726
 CATALOG NUMBER: SMX18SLSFS010-1500LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	377.6	379.9	382.5	382.6	384.9	385.2
45.5°	373.7	376.2	378.6	379.1	381.0	381.8
46°	370.0	372.4	375.0	375.5	377.5	377.8
46.5°	366.2	368.4	371.3	372.4	373.7	373.7
47°	362.4	364.7	367.6	368.4	370.0	370.2
47.5°	358.5	361.0	363.7	364.5	366.0	366.5
48°	354.7	357.1	359.8	360.6	362.4	362.7
48.5°	350.9	352.7	355.8	356.8	358.6	358.4
49°	346.8	348.8	351.6	352.9	354.7	354.6
49.5°	342.9	344.9	347.4	349.0	350.9	350.8
50°	338.9	340.4	343.3	345.3	346.8	347.1
50.5°	334.8	336.6	339.2	341.3	342.5	342.8
51°	331.0	333.0	335.6	336.9	338.7	338.6
51.5°	327.0	328.6	331.8	332.7	334.9	334.8
52°	323.0	324.3	327.8	328.5	331.1	331.1
52.5°	318.6	320.5	323.7	324.9	326.9	327.0
53°	314.5	316.5	319.6	321.0	323.1	322.8
53.5°	310.7	312.4	315.2	316.1	318.7	318.3
54°	306.2	308.0	311.1	312.0	314.5	314.5
54.5°	302.0	303.6	306.8	308.2	309.9	310.5
55°	297.8	299.4	302.4	303.8	305.9	305.9
55.5°	293.6	295.0	298.1	299.7	301.9	301.4
56°	289.3	290.7	293.9	295.3	297.5	297.5
56.5°	284.8	286.3	289.5	290.7	293.3	293.0
57°	280.2	281.8	285.0	286.4	288.8	288.5
57.5°	275.6	277.2	280.5	281.4	284.1	284.2
58°	271.4	272.9	275.9	277.4	279.9	279.9
58.5°	267.2	268.3	271.2	273.3	275.3	275.3
59°	262.8	264.0	266.7	268.9	270.9	270.9
59.5°	257.9	259.4	262.1	264.3	266.4	266.6
60°	253.7	254.6	257.9	259.6	262.0	262.0
60.5°	248.6	250.0	253.0	255.0	257.4	257.5
61°	244.0	245.3	248.6	250.3	252.7	253.0
61.5°	239.5	241.0	244.3	245.6	247.9	248.0
62°	234.8	236.4	239.7	241.0	243.4	243.7
62.5°	230.3	231.8	235.1	236.5	238.7	238.9
63°	225.4	226.8	230.2	231.6	234.3	234.3
63.5°	220.8	222.2	225.6	227.0	229.4	230.0
64°	216.1	217.7	220.8	222.2	224.3	224.9
64.5°	211.4	213.1	216.3	217.8	219.5	220.3
65°	206.6	208.2	211.1	213.1	214.9	215.7
65.5°	202.1	203.4	206.4	208.1	210.1	211.0
66°	197.2	198.2	201.6	203.3	205.3	205.7
66.5°	192.3	193.7	196.7	198.7	200.5	200.7
67°	187.3	188.9	191.9	193.9	195.9	196.2

TEST NUMBER: P869726
 CATALOG NUMBER: SMX18SLSFS010-1500LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	182.6	183.8	186.6	188.6	191.0	191.2
68°	177.6	178.8	181.9	184.0	186.1	186.2
68.5°	172.9	174.0	177.1	179.1	180.9	181.3
69°	168.3	169.3	171.9	174.0	176.0	176.5
69.5°	163.2	164.4	167.0	169.1	171.2	171.7
70°	158.2	159.4	162.0	164.4	166.2	166.4
70.5°	153.2	154.1	157.3	159.4	161.4	161.5
71°	148.2	149.2	152.3	154.2	156.4	156.6
71.5°	143.1	144.3	147.2	149.5	151.5	151.8
72°	138.1	139.4	142.3	144.4	146.3	146.9
72.5°	133.4	134.3	137.3	139.3	141.3	141.9
73°	128.4	129.1	132.2	134.2	136.3	136.9
73.5°	123.6	124.4	127.6	129.3	131.3	131.7
74°	118.6	119.3	122.4	124.2	126.4	126.8
74.5°	113.8	114.4	117.4	119.5	121.3	121.8
75°	108.7	109.4	112.3	114.5	116.2	116.7
75.5°	103.9	104.6	107.6	109.5	111.2	111.8
76°	99.0	99.6	102.5	104.6	106.4	107.0
76.5°	94.1	94.8	97.7	99.7	101.4	102.0
77°	89.1	89.8	92.8	94.7	96.6	97.3
77.5°	84.3	85.2	87.9	90.1	92.0	92.5
78°	79.6	80.4	83.2	85.3	87.1	87.5
78.5°	74.8	75.7	78.6	80.7	82.3	82.7
79°	70.3	71.0	73.8	75.8	77.4	78.1
79.5°	65.5	66.4	69.1	71.1	72.8	73.4
80°	61.0	61.8	64.4	66.4	68.2	68.6
80.5°	56.7	57.4	60.1	61.9	63.6	64.1
81°	52.4	53.0	55.6	57.5	59.1	59.5
81.5°	48.1	48.6	51.2	53.0	54.6	55.0
82°	43.8	44.2	46.8	48.7	50.2	50.6
82.5°	39.7	40.1	42.5	44.2	45.9	46.2
83°	35.9	36.1	38.2	40.0	41.6	41.9
83.5°	31.8	32.1	34.3	36.0	37.6	37.9
84°	28.1	28.4	30.5	32.1	33.5	33.9
84.5°	24.5	24.8	26.8	28.4	29.8	30.1
85°	21.0	21.4	23.3	24.8	26.0	26.4
85.5°	17.7	18.1	20.0	21.4	22.5	22.8
86°	14.7	15.3	16.7	18.2	19.3	19.6
86.5°	12.1	12.5	14.0	15.3	16.2	16.5
87°	9.9	10.1	11.4	12.5	13.4	13.7
87.5°	7.7	7.9	9.1	10.0	10.8	11.1
88°	5.8	5.7	6.8	7.9	8.6	8.7
88.5°	4.0	3.9	4.7	5.6	6.3	6.5
89°	2.5	2.6	3.2	3.9	4.4	4.7
89.5°	1.2	1.4	1.9	2.4	3.1	3.2

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


NVLAP Lab Code: 200050-0



TEST NUMBER: P869726
CATALOG NUMBER: SMX18SLSFS010-1500LM-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)