

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: P869646

Luminaire Tested: **SMX14RLSFS010-2000LM-2700K**

Issue Date: 8/29/2024

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P869646
 Test Lab:
 Issue Date: 8/29/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: SMX14RLSFS010-2000LM-2700K
 Description: 14IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION
 Light Source: SELECTABLE CCT 90CRI / 2700K CCT
 Ballast/Driver: -

Summary

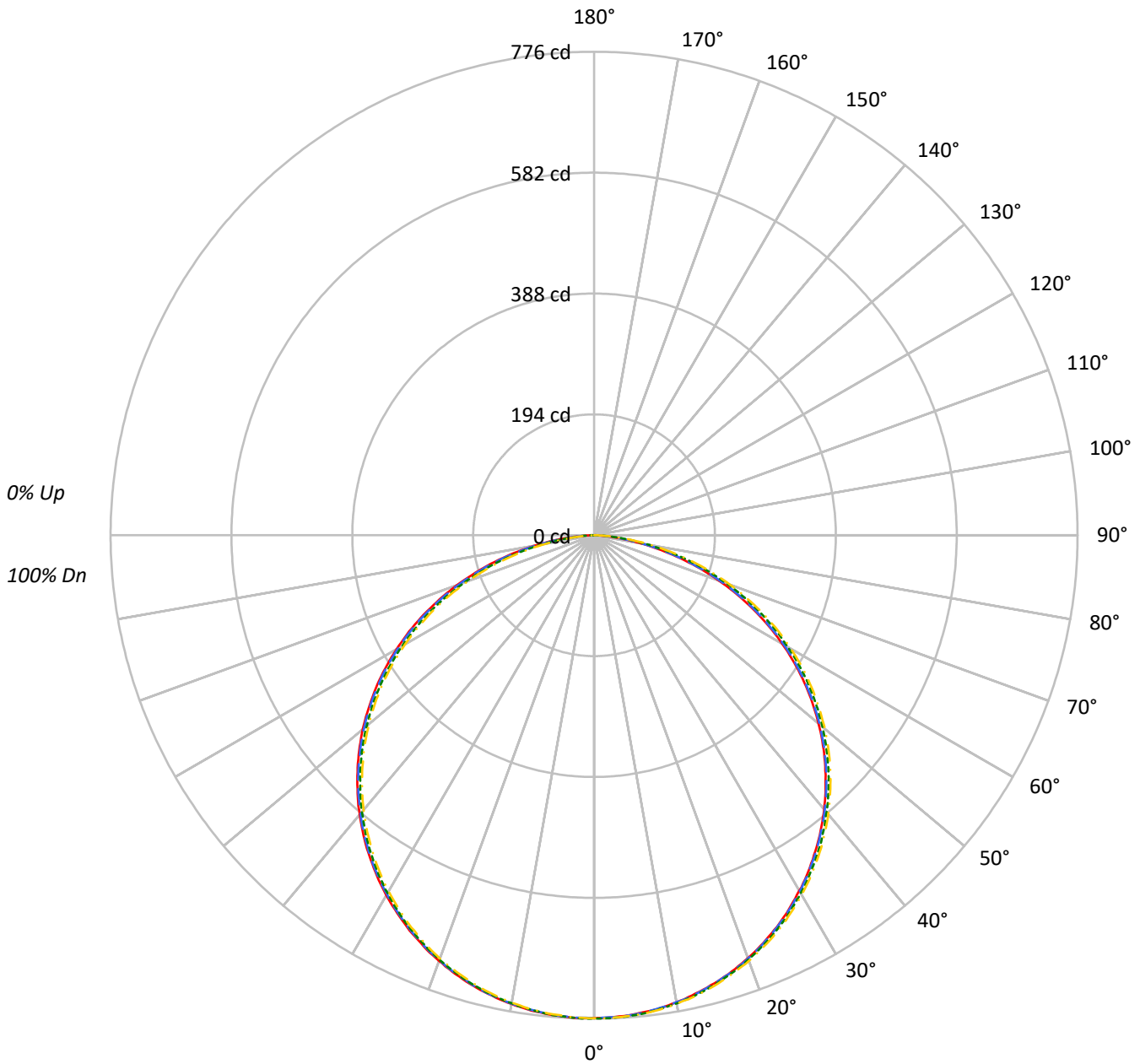
Lumens per Lamp: N/A
 Luminaire Lumens: 2270.0 lumens
 Efficiency: N/A
 Efficacy: 87.3 lumens/watt
 Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
 Luminous Opening: Circular (Dia: 1.17' x H: 0')
 CIE Type: Direct

Input Watts (W): 26
 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	79	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	57	52	62	56	52	49
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	49	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	42	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°	7802	7802	7802	7802
5°	7790	7810	7808	7808
10°	7777	7799	7804	7794
15°	7761	7783	7801	7785
20°	7734	7760	7789	7766
25°	7705	7740	7776	7741
30°	7654	7709	7751	7706
35°	7607	7674	7720	7665
40°	7546	7628	7689	7615
45°	7464	7573	7644	7546
50°	7361	7491	7587	7457
55°	7227	7393	7499	7342
60°	7020	7235	7368	7163
65°	6732	7013	7182	6905
70°	6288	6667	6888	6511
75°	5603	6128	6415	5891
80°	4503	5227	5645	4880
85°	2748	3741	4364	3268

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	73.4	3.2
10°-20°	210.8	9.3
20°-30°	321.2	14.1
30°-40°	390.4	17.2
40°-50°	409.4	18.0
50°-60°	374.7	16.5
60°-70°	288.6	12.7
70°-80°	163.3	7.2
80°-90°	38.2	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°	605.4	26.7
0°-40°	995.8	43.9
0°-60°	1780.0	78.4
0°-90°	2270.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2270.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	775	775	775	775	775	
5°	771	773	773	773	771	73
15°	745	747	749	747	745	210
25°	694	697	700	697	694	320
35°	619	625	628	624	619	387
45°	524	532	537	530	524	405
55°	412	421	427	418	412	368
65°	283	294	302	290	283	279
75°	144	158	165	152	144	152
85°	24	32	38	28	24	31
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°	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3	775.3
0.5°	774.9	774.7	774.8	775.6	775.8	776.1	775.5	775.2	775.0	774.8	775.0
1°	775.0	774.3	774.6	775.7	775.8	775.8	775.5	775.0	775.4	774.9	774.6
1.5°	774.7	774.5	774.4	775.0	775.6	775.7	775.5	775.3	775.6	774.5	774.7
2°	774.5	773.8	774.1	774.5	775.7	775.5	775.1	775.2	775.4	774.3	774.7
2.5°	773.8	773.7	774.2	774.8	775.1	775.2	774.9	774.9	775.1	774.3	774.4
3°	773.5	773.3	773.7	774.1	774.7	774.9	774.4	774.5	774.7	774.3	774.1
3.5°	773.4	772.9	773.5	773.7	774.7	774.7	774.3	774.3	774.1	773.9	773.7
4°	772.9	772.3	772.9	773.3	774.1	774.1	773.8	773.7	773.5	773.6	773.8
4.5°	772.1	771.6	772.3	772.4	773.4	773.6	773.3	773.4	773.1	773.1	772.7
5°	771.2	770.6	771.6	772.3	773.1	772.8	772.8	772.9	772.9	772.4	772.4
5.5°	770.3	769.9	770.9	771.0	772.2	772.3	772.1	772.1	772.2	772.1	771.9
6°	769.7	769.1	770.1	770.1	771.6	771.4	771.5	771.5	771.6	771.4	771.0
6.5°	769.1	768.4	769.5	769.5	770.6	770.7	771.1	770.9	770.8	770.8	770.2
7°	768.3	767.7	768.0	768.5	769.7	769.4	770.2	769.9	770.3	769.9	769.2
7.5°	767.5	766.7	766.9	767.6	768.6	768.5	769.1	768.9	769.7	769.0	768.2
8°	766.3	765.8	765.7	766.7	767.6	767.5	768.3	768.3	768.6	768.3	767.8
8.5°	765.0	764.5	765.2	765.7	766.7	766.4	766.9	766.9	767.1	767.1	766.5
9°	763.8	763.6	764.0	764.4	765.3	765.9	766.4	765.9	766.0	765.6	765.7
9.5°	762.3	762.2	762.6	763.4	764.3	764.3	764.8	764.7	765.2	764.8	764.3
10°	761.1	761.0	761.0	762.3	763.2	763.2	763.8	763.8	763.7	764.0	763.4
10.5°	759.7	759.9	760.2	760.8	761.8	762.0	762.2	762.6	762.8	762.6	762.0
11°	758.9	758.1	758.8	759.7	760.4	760.6	760.8	761.1	761.6	761.0	760.7
11.5°	756.8	756.6	757.8	757.9	759.0	759.0	760.0	759.9	760.3	759.5	759.2
12°	755.3	755.2	756.0	756.5	757.8	757.6	758.5	758.4	758.9	758.2	757.8
12.5°	753.3	753.8	754.3	754.9	755.9	756.5	756.6	757.2	756.7	757.1	756.5
13°	752.2	752.2	752.6	752.8	754.2	755.0	755.3	755.6	755.8	755.4	755.1
13.5°	750.2	750.2	751.0	751.6	752.7	753.2	753.6	753.9	754.2	753.3	753.4
14°	748.7	748.4	749.1	749.8	750.9	751.4	751.9	751.9	752.5	751.8	751.4
14.5°	746.2	746.4	747.1	748.4	749.0	749.4	750.3	750.6	750.7	750.5	749.7
15°	744.9	744.4	745.5	745.6	747.1	747.6	748.2	749.0	748.8	748.4	748.3
15.5°	742.7	742.4	743.1	743.9	745.1	745.5	746.3	746.9	747.1	746.5	745.9
16°	740.6	740.8	741.0	742.1	743.1	743.6	744.4	744.4	745.1	744.4	743.6
16.5°	738.6	738.8	738.8	740.0	740.8	741.3	742.3	742.3	743.0	742.6	741.7
17°	736.7	736.8	737.3	737.9	738.8	739.1	740.4	740.5	740.6	740.9	739.8
17.5°	734.3	734.4	735.1	736.2	736.5	737.4	738.4	738.4	738.8	738.2	737.9
18°	732.1	732.0	732.7	733.6	734.7	735.3	736.2	736.5	736.7	736.4	735.5
18.5°	729.5	729.4	730.4	730.9	732.1	733.0	733.5	734.0	734.1	734.2	733.4
19°	727.2	727.0	728.2	728.5	729.5	730.6	731.3	731.6	732.3	731.6	730.8
19.5°	724.6	724.7	725.6	726.5	727.3	727.9	729.4	729.4	729.3	729.6	728.5
20°	722.2	722.0	723.0	723.8	724.6	725.9	726.9	727.3	727.3	727.1	726.2
20.5°	719.7	719.3	720.3	721.6	722.1	723.3	724.3	724.9	724.6	724.7	723.9
21°	717.3	717.0	717.6	718.5	719.6	720.4	721.7	722.3	722.3	722.0	721.0
21.5°	714.4	714.0	715.1	716.1	717.2	718.1	719.1	719.8	720.0	719.3	718.5
22°	711.3	711.7	712.6	713.1	714.0	715.4	716.8	717.1	717.2	716.5	715.7

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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°	708.8	708.5	709.6	710.2	711.6	712.6	713.7	714.3	714.5	713.9	713.3
23°	705.9	705.7	706.2	707.8	708.8	709.7	711.1	711.9	711.3	711.3	710.2
23.5°	702.7	702.7	703.2	704.6	705.8	706.6	708.4	708.6	708.5	708.8	707.2
24°	699.8	699.8	700.7	701.6	703.0	704.2	705.7	705.9	705.8	706.0	704.5
24.5°	696.5	696.9	697.5	698.6	700.2	700.9	702.4	703.0	703.0	702.5	701.7
25°	693.9	693.5	694.6	695.4	697.1	698.0	699.5	700.0	700.3	700.0	698.4
25.5°	690.4	690.7	691.2	692.3	693.6	695.0	696.4	697.2	696.9	696.8	695.4
26°	687.1	687.6	687.9	689.3	690.7	692.2	693.1	693.9	693.5	693.9	692.5
26.5°	683.8	683.8	684.4	686.0	687.4	688.6	690.3	690.6	690.4	690.4	689.1
27°	680.9	680.7	681.5	682.3	684.7	685.2	686.9	687.7	687.1	687.3	685.6
27.5°	677.0	677.1	678.1	678.9	681.1	682.0	683.3	684.1	684.0	684.0	682.6
28°	673.4	673.7	674.7	675.6	677.3	678.9	680.3	680.9	680.7	680.6	679.1
28.5°	669.8	670.1	670.9	671.7	674.1	675.2	676.8	677.3	677.3	676.9	675.7
29°	666.3	666.9	667.3	668.5	670.5	671.7	673.6	674.1	674.1	673.5	672.4
29.5°	662.2	662.7	663.7	665.0	667.3	668.1	670.1	670.6	670.8	670.5	668.9
30°	658.7	659.1	659.9	661.5	663.4	664.7	666.6	667.1	667.0	666.9	665.1
30.5°	655.6	655.6	656.7	658.0	660.0	661.0	662.7	663.4	663.3	663.4	661.7
31°	651.7	652.3	652.4	653.9	656.7	657.2	659.0	660.3	659.5	659.7	658.2
31.5°	647.8	647.9	648.9	650.4	652.5	653.9	655.6	656.1	656.1	656.3	654.6
32°	644.1	644.3	645.2	646.6	648.7	650.1	652.2	652.6	652.7	652.7	650.7
32.5°	640.1	640.5	640.7	642.2	644.5	646.2	648.1	649.2	648.4	648.4	647.1
33°	635.9	636.7	636.8	638.4	640.9	641.9	644.1	645.0	644.1	644.6	643.2
33.5°	631.5	632.3	633.0	634.6	636.7	638.0	640.0	641.3	640.5	640.5	639.2
34°	627.7	628.4	628.6	630.6	633.1	634.3	636.1	637.3	636.5	636.6	635.1
34.5°	623.2	624.0	624.9	626.4	628.9	630.3	632.2	633.3	632.4	632.5	631.1
35°	619.2	619.9	620.7	622.0	624.7	626.0	628.2	628.8	628.4	628.4	627.2
35.5°	614.9	615.3	616.5	617.7	620.6	622.0	623.7	624.6	624.6	624.5	623.1
36°	610.7	611.0	611.8	613.4	616.4	617.9	620.0	620.6	620.6	620.2	618.8
36.5°	606.4	606.6	607.9	609.2	612.5	613.3	615.7	616.5	616.5	616.6	614.4
37°	602.0	602.2	603.2	604.9	607.9	609.3	611.3	612.5	612.1	612.1	610.5
37.5°	597.2	597.8	598.7	600.5	603.2	604.9	606.9	607.8	607.6	607.5	606.1
38°	592.5	593.4	594.4	595.9	598.9	600.9	602.9	603.5	603.0	602.8	601.8
38.5°	588.3	588.9	589.6	591.1	594.4	596.1	598.3	599.0	599.0	598.5	597.3
39°	583.7	583.9	585.2	586.7	589.6	591.4	593.8	594.8	594.5	594.1	592.6
39.5°	579.2	579.2	580.6	582.2	585.0	587.1	589.5	590.2	589.9	589.6	587.7
40°	574.4	575.1	576.0	577.8	580.7	582.7	584.5	585.7	585.3	585.2	583.1
40.5°	569.4	570.0	571.4	573.1	576.1	578.0	580.0	581.1	580.8	580.5	578.6
41°	564.7	565.7	566.5	568.5	571.5	573.6	575.3	576.5	576.4	575.8	574.1
41.5°	559.8	560.6	561.7	563.8	566.8	568.9	570.7	571.5	571.6	570.9	569.2
42°	554.9	555.7	556.5	558.8	561.9	563.9	565.8	566.7	566.5	566.1	564.6
42.5°	549.8	550.8	551.5	553.9	557.1	558.8	561.0	562.1	561.8	561.7	559.7
43°	544.7	545.7	546.6	548.8	552.1	554.2	556.3	557.5	556.9	556.5	554.9
43.5°	539.9	540.7	541.8	543.9	546.8	549.1	551.0	552.6	552.1	551.4	550.0
44°	535.1	535.4	536.5	538.7	542.0	544.2	546.4	547.3	547.0	546.6	545.1
44.5°	529.5	530.2	531.6	533.7	537.1	539.2	541.1	542.1	542.0	541.5	539.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	524.5	525.0	526.5	528.7	532.1	534.1	536.1	537.2	537.1	536.7	534.9
45.5°	519.5	519.6	521.2	523.4	526.9	528.8	531.1	531.7	532.1	531.4	529.6
46°	514.1	514.6	515.7	518.3	521.4	523.6	526.0	526.9	527.1	526.6	524.7
46.5°	508.9	509.2	510.4	512.6	516.1	518.5	520.8	521.5	521.6	521.2	519.4
47°	503.5	503.9	505.3	507.7	510.8	513.2	515.5	516.3	516.4	515.7	514.0
47.5°	498.2	498.4	500.1	502.3	505.7	507.9	510.2	511.2	511.1	510.7	508.9
48°	492.6	493.0	494.9	496.8	500.4	502.6	505.0	506.0	505.9	505.2	503.9
48.5°	487.2	487.6	489.2	491.4	495.1	497.2	499.6	500.7	500.7	500.0	498.4
49°	481.8	482.0	483.8	485.9	489.5	491.7	494.4	495.4	495.3	494.6	493.0
49.5°	476.2	476.6	478.1	480.5	484.0	486.3	488.7	489.5	490.0	489.3	487.6
50°	470.2	470.8	472.5	474.8	478.5	481.0	483.6	484.4	484.6	484.0	481.7
50.5°	464.7	465.0	466.9	469.4	472.8	475.5	477.9	478.8	478.8	478.2	476.3
51°	459.0	459.4	461.1	463.6	467.5	469.8	472.1	473.3	473.4	472.4	470.9
51.5°	453.2	453.7	455.4	457.9	461.6	464.3	466.6	467.7	467.8	466.9	465.0
52°	447.3	447.9	449.4	452.2	456.3	458.6	461.2	462.4	462.0	461.1	459.7
52.5°	441.4	442.1	443.9	446.3	450.4	452.8	455.4	456.6	456.2	455.5	453.6
53°	435.7	436.4	438.2	440.6	444.6	447.1	449.6	450.9	450.6	449.9	448.0
53.5°	429.8	430.0	432.2	434.5	438.9	441.5	443.5	445.0	444.7	444.1	442.3
54°	423.8	423.9	426.0	428.5	433.1	435.3	437.9	439.3	438.8	438.5	436.3
54.5°	418.0	418.5	420.2	422.5	426.9	429.7	432.2	433.2	433.1	432.5	430.2
55°	411.9	412.5	414.3	417.0	421.4	423.9	426.4	427.8	427.4	426.6	424.5
55.5°	405.9	406.2	408.3	410.6	415.3	418.1	420.4	421.9	421.6	420.6	418.8
56°	399.7	400.1	402.1	404.7	409.5	411.8	414.7	416.0	415.5	414.6	412.7
56.5°	393.3	394.0	396.1	398.4	403.2	405.8	408.4	409.6	409.7	408.3	406.8
57°	387.1	387.8	389.7	392.0	397.0	399.9	402.6	403.9	403.4	402.5	400.7
57.5°	380.8	381.4	383.3	385.9	390.9	393.5	396.2	397.4	397.4	396.4	394.5
58°	374.9	375.3	377.0	379.8	384.7	387.5	390.3	391.3	391.0	390.1	388.3
58.5°	368.3	368.6	370.9	373.5	378.5	381.3	383.8	385.2	385.3	383.8	382.2
59°	361.9	362.7	364.4	367.3	372.3	375.1	377.7	379.0	379.1	377.4	375.7
59.5°	355.3	356.1	358.0	360.7	365.9	368.8	371.4	372.7	372.4	371.5	369.5
60°	348.8	349.6	351.9	354.6	359.5	362.5	365.1	366.4	366.1	365.0	363.1
60.5°	342.7	343.2	344.9	348.0	352.8	356.2	358.8	360.0	359.9	358.8	356.7
61°	336.4	336.9	338.8	341.9	346.5	349.8	352.5	353.7	353.4	352.1	350.7
61.5°	329.5	330.2	332.3	335.3	340.1	343.4	345.8	347.2	347.3	345.9	344.2
62°	322.8	323.8	325.8	328.6	334.1	337.2	339.7	340.9	340.8	339.7	337.8
62.5°	316.0	317.1	318.8	321.8	327.5	330.7	333.4	334.5	334.4	333.1	331.2
63°	309.4	310.5	312.4	315.4	320.9	324.2	326.7	328.1	327.9	326.7	324.8
63.5°	302.8	303.9	305.8	308.7	314.2	317.5	320.4	321.4	321.4	320.2	318.1
64°	295.9	297.1	299.2	302.1	307.5	311.1	313.5	314.6	314.7	313.4	311.7
64.5°	289.6	290.5	292.5	295.5	301.1	304.2	307.0	308.1	308.1	306.9	304.7
65°	282.7	283.7	286.0	289.0	294.5	297.8	300.7	301.6	301.6	300.5	298.5
65.5°	275.9	277.1	279.0	282.3	288.0	291.1	293.8	295.0	295.1	293.9	291.5
66°	269.0	270.1	272.1	275.2	281.0	284.4	287.0	288.3	288.1	287.1	284.9
66.5°	262.3	263.4	265.2	268.3	274.3	277.5	280.1	281.5	281.3	280.0	278.1
67°	255.7	256.4	258.5	261.7	267.4	270.7	273.4	274.7	274.6	273.6	271.1

TEST NUMBER: P869646
 CATALOG NUMBER: SMX14RLSFS010-2000LM-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	248.5	249.7	251.8	254.8	260.7	263.8	266.5	268.0	268.1	266.7	264.4
68°	241.7	242.6	244.9	248.0	253.9	257.3	260.2	261.2	261.3	259.9	257.9
68.5°	234.7	235.7	237.9	241.1	247.2	250.6	253.1	254.5	254.5	253.1	251.2
69°	227.6	228.6	231.0	234.2	240.3	243.6	246.5	247.6	247.6	246.3	244.5
69.5°	220.7	221.7	224.1	227.0	233.5	237.0	239.6	240.8	240.9	239.4	237.2
70°	213.7	214.8	217.1	220.1	226.6	229.9	232.7	233.9	234.1	232.6	230.3
70.5°	206.9	207.9	210.2	213.5	219.9	223.0	225.8	227.2	227.2	225.9	223.5
71°	199.9	200.6	203.2	206.2	212.9	216.4	219.3	220.4	220.4	219.0	216.7
71.5°	192.6	193.8	196.1	199.2	205.9	209.5	212.1	213.4	213.5	212.0	209.6
72°	185.9	186.8	189.1	192.3	198.8	202.5	205.4	206.4	206.6	205.1	202.7
72.5°	179.1	180.1	182.4	185.5	192.0	195.6	198.3	199.7	199.8	198.2	195.9
73°	172.0	173.1	175.5	178.3	184.9	188.6	191.4	192.5	192.6	191.2	188.7
73.5°	165.0	165.9	168.4	171.4	178.3	181.8	184.6	185.7	185.8	184.4	182.0
74°	157.9	159.1	161.5	164.5	171.4	174.9	177.8	178.8	179.0	177.4	175.2
74.5°	150.9	152.1	154.5	157.5	164.4	168.0	170.8	172.0	172.1	170.7	168.1
75°	144.1	145.2	147.6	150.6	157.6	161.0	163.7	165.0	165.0	163.6	161.3
75.5°	137.3	138.3	140.8	143.9	150.5	154.0	156.8	158.1	158.0	156.7	154.2
76°	130.3	131.4	133.9	136.9	143.6	147.1	149.8	151.1	151.3	149.8	147.3
76.5°	123.4	124.7	127.0	130.0	136.9	140.5	143.0	144.2	144.3	142.9	140.3
77°	116.6	117.8	120.3	123.3	130.0	133.5	136.2	137.5	137.3	136.1	133.8
77.5°	110.2	111.3	113.7	116.7	123.2	126.7	129.5	130.5	130.6	129.3	126.8
78°	103.4	104.6	107.0	109.8	116.5	120.0	122.7	123.7	123.8	122.4	120.1
78.5°	96.8	98.0	100.4	103.5	109.7	113.1	115.9	117.0	117.1	115.7	113.3
79°	90.4	91.5	94.0	96.9	103.3	106.5	109.1	110.3	110.3	109.0	106.8
79.5°	83.9	85.0	87.5	90.4	96.7	100.1	102.8	103.8	103.8	102.6	100.0
80°	77.7	78.6	81.1	83.9	90.2	93.6	96.1	97.3	97.4	96.0	93.8
80.5°	71.4	72.5	74.8	77.6	83.9	87.3	89.8	90.9	90.9	89.5	87.1
81°	65.4	66.5	68.6	71.5	77.6	80.7	83.3	84.5	84.5	83.3	80.9
81.5°	59.5	60.7	62.7	65.5	71.5	74.5	76.9	78.1	78.0	76.6	74.5
82°	53.6	54.7	56.8	59.4	65.2	68.4	70.7	71.9	72.0	70.6	68.3
82.5°	48.2	49.2	51.3	53.8	59.5	62.5	64.7	65.8	65.8	64.5	62.4
83°	42.7	43.8	45.7	48.1	53.7	56.7	59.0	60.3	60.1	58.9	56.6
83.5°	37.6	38.5	40.5	42.7	48.1	50.8	53.1	54.3	54.2	52.8	50.9
84°	32.6	33.6	35.5	37.6	42.4	45.4	47.5	48.6	48.6	47.2	45.2
84.5°	28.0	29.0	30.6	32.9	37.3	39.9	42.1	43.1	43.0	41.8	40.0
85°	23.8	24.7	26.3	28.1	32.4	34.9	37.0	37.9	37.8	36.7	35.0
85.5°	19.6	20.3	21.9	23.9	27.7	30.0	31.9	32.8	32.8	31.7	29.9
86°	15.9	16.4	17.9	19.7	23.7	25.5	27.2	28.1	28.0	26.9	25.4
86.5°	12.0	12.7	14.1	15.9	19.8	21.6	23.2	24.0	24.0	23.0	21.4
87°	8.7	9.2	10.3	12.1	16.0	17.8	19.4	20.2	20.1	19.2	17.6
87.5°	6.3	6.5	7.5	8.8	12.5	14.2	15.7	16.3	16.2	15.4	14.0
88°	3.9	4.4	5.1	6.3	9.3	10.7	12.1	12.8	12.7	11.9	10.7
88.5°	2.3	2.6	3.2	4.1	6.4	7.8	8.9	9.5	9.4	8.7	7.6
89°	1.5	1.6	1.9	2.4	4.0	5.3	6.1	6.6	6.5	5.9	5.2
89.5°	1.0	0.9	1.1	1.4	2.2	3.2	3.8	4.2	4.2	3.7	2.9

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



TEST NUMBER: P869646
CATALOG NUMBER: SMX14RLSFS010-2000LM-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: P869646
 CATALOG NUMBER: SMX14RLSFS010-2000LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	775.3	775.3	775.3	775.3	775.3	775.3
0.5°	775.3	776.0	775.7	775.3	775.5	774.9
1°	775.3	776.0	775.5	775.1	775.3	775.0
1.5°	775.4	775.9	775.4	774.6	774.5	774.7
2°	775.0	775.5	775.0	774.7	774.5	774.5
2.5°	774.6	775.1	774.8	774.3	774.0	773.8
3°	774.3	774.4	774.6	774.0	774.1	773.5
3.5°	774.2	774.2	774.0	773.6	773.8	773.4
4°	773.8	773.7	773.3	772.5	772.3	772.9
4.5°	773.0	773.2	773.1	772.1	772.3	772.1
5°	772.3	772.9	772.3	771.5	771.1	771.2
5.5°	772.2	771.8	772.0	771.0	771.0	770.3
6°	771.3	771.1	770.9	770.1	770.3	769.7
6.5°	770.2	769.9	770.0	769.1	769.3	769.1
7°	769.3	769.2	769.1	768.4	768.5	768.3
7.5°	768.4	768.4	768.3	767.5	768.0	767.5
8°	767.4	767.2	767.2	766.5	767.1	766.3
8.5°	766.7	766.2	765.8	765.4	765.6	765.0
9°	765.8	765.4	765.1	764.0	764.3	763.8
9.5°	764.5	764.3	763.9	762.6	763.0	762.3
10°	763.1	762.7	762.4	761.8	761.7	761.1
10.5°	761.9	761.6	761.1	760.2	759.8	759.7
11°	760.6	760.2	759.8	759.0	758.3	758.9
11.5°	759.1	758.7	758.3	757.3	757.1	756.8
12°	757.6	757.2	756.7	756.0	755.9	755.3
12.5°	756.2	755.9	755.4	754.0	753.9	753.3
13°	754.3	754.5	753.6	752.7	752.5	752.2
13.5°	752.7	752.6	751.9	750.8	750.8	750.2
14°	751.2	750.7	750.5	749.0	748.6	748.7
14.5°	749.0	749.0	748.5	747.2	747.0	746.2
15°	747.4	747.2	746.5	745.2	744.9	744.9
15.5°	745.8	745.2	744.5	743.2	743.0	742.7
16°	743.6	743.3	742.3	741.1	741.0	740.6
16.5°	741.6	741.2	740.2	738.8	738.6	738.6
17°	739.7	739.0	737.9	737.0	736.7	736.7
17.5°	737.8	736.7	736.1	734.7	734.7	734.3
18°	735.3	734.6	733.2	732.4	732.0	732.1
18.5°	733.3	732.6	731.5	730.0	730.0	729.5
19°	730.8	730.0	729.1	727.9	727.3	727.2
19.5°	728.3	727.5	726.9	725.6	725.0	724.6
20°	726.0	725.2	724.1	722.9	722.6	722.2
20.5°	723.6	722.3	721.5	720.2	720.1	719.7
21°	720.8	719.9	718.8	717.7	716.9	717.3
21.5°	717.9	717.3	716.1	714.9	714.3	714.4
22°	715.3	714.5	713.3	712.0	711.0	711.3

TEST NUMBER: P869646
 CATALOG NUMBER: SMX14RLSFS010-2000LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	712.4	711.5	710.5	709.0	708.6	708.8
23°	709.8	709.1	707.8	706.1	705.6	705.9
23.5°	706.8	706.2	705.2	703.2	702.8	702.7
24°	703.9	703.2	701.8	700.1	699.6	699.8
24.5°	701.3	700.0	698.9	696.9	696.5	696.5
25°	698.4	697.2	695.9	694.5	693.8	693.9
25.5°	695.2	694.3	692.5	691.0	690.6	690.4
26°	691.8	691.1	689.4	688.2	687.2	687.1
26.5°	688.3	687.4	686.1	684.5	684.0	683.8
27°	685.3	684.2	682.9	681.0	680.5	680.9
27.5°	682.5	680.6	679.3	677.8	677.1	677.0
28°	678.4	677.3	676.1	673.8	673.1	673.4
28.5°	675.1	674.0	672.5	670.5	669.4	669.8
29°	671.9	670.4	668.7	667.0	666.1	666.3
29.5°	668.4	666.8	665.2	663.2	662.5	662.2
30°	664.8	663.2	661.9	659.5	659.1	658.7
30.5°	661.0	659.6	658.2	656.1	655.3	655.6
31°	657.6	655.7	653.8	652.4	651.6	651.7
31.5°	654.0	651.5	650.3	648.7	647.8	647.8
32°	650.0	648.1	646.4	644.7	643.6	644.1
32.5°	646.3	644.1	642.8	640.6	639.8	640.1
33°	642.2	640.1	638.7	636.7	635.9	635.9
33.5°	638.2	636.0	634.4	632.6	631.7	631.5
34°	634.1	632.3	630.1	628.3	627.6	627.7
34.5°	630.4	627.9	626.1	624.2	623.0	623.2
35°	625.9	623.9	621.6	620.1	619.1	619.2
35.5°	622.0	619.8	618.1	616.0	614.8	614.9
36°	617.5	615.6	613.6	611.4	610.6	610.7
36.5°	613.6	610.9	608.9	606.9	606.0	606.4
37°	608.9	606.7	604.3	603.0	601.9	602.0
37.5°	605.2	602.6	600.6	598.7	597.4	597.2
38°	600.3	597.8	595.7	593.7	592.6	592.5
38.5°	595.9	593.3	591.0	589.1	588.3	588.3
39°	591.1	588.7	586.3	584.9	583.9	583.7
39.5°	586.9	583.9	582.0	580.0	579.1	579.2
40°	581.9	579.7	577.6	575.4	574.5	574.4
40.5°	577.8	575.0	572.6	570.7	570.0	569.4
41°	572.7	570.2	567.6	565.9	564.9	564.7
41.5°	568.4	565.3	562.8	560.9	559.7	559.8
42°	563.3	560.3	558.1	555.7	555.0	554.9
42.5°	558.3	555.4	553.2	550.9	550.0	549.8
43°	553.6	550.3	548.2	546.0	545.0	544.7
43.5°	548.6	545.4	543.5	540.9	540.1	539.9
44°	543.4	540.5	538.2	535.7	534.9	535.1
44.5°	538.7	535.3	533.1	530.8	529.6	529.5

TEST NUMBER: P869646
 CATALOG NUMBER: SMX14RLSFS010-2000LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	533.5	530.2	527.8	525.7	524.6	524.5
45.5°	528.3	524.9	522.7	520.1	519.6	519.5
46°	523.1	520.0	517.3	515.3	514.1	514.1
46.5°	517.9	514.3	512.0	509.9	508.4	508.9
47°	512.7	509.3	506.6	504.6	503.1	503.5
47.5°	507.3	503.9	501.2	499.4	497.8	498.2
48°	501.9	498.4	496.0	493.9	492.5	492.6
48.5°	496.8	493.0	490.5	488.3	487.5	487.2
49°	491.4	487.8	485.0	482.7	481.8	481.8
49.5°	485.6	482.1	479.6	477.1	475.9	476.2
50°	480.2	476.3	473.7	471.7	470.4	470.2
50.5°	474.4	470.7	468.3	466.0	464.9	464.7
51°	468.8	465.2	462.5	460.2	459.3	459.0
51.5°	463.7	459.6	457.0	454.5	453.3	453.2
52°	457.7	453.8	451.3	449.0	447.4	447.3
52.5°	451.9	447.8	445.4	443.0	441.7	441.4
53°	446.0	442.0	439.6	437.1	435.6	435.7
53.5°	440.3	436.2	433.4	430.9	429.7	429.8
54°	434.2	430.0	427.6	425.2	423.7	423.8
54.5°	428.6	424.3	421.8	419.3	418.2	418.0
55°	422.6	418.5	415.6	413.3	412.1	411.9
55.5°	416.8	412.2	409.5	407.4	406.0	405.9
56°	410.7	406.1	403.6	401.1	399.6	399.7
56.5°	404.6	400.1	397.2	394.8	393.8	393.3
57°	398.5	394.0	391.1	388.5	387.1	387.1
57.5°	392.3	387.6	384.7	382.2	380.8	380.8
58°	386.1	381.4	378.5	375.9	374.7	374.9
58.5°	380.0	375.2	372.1	369.5	368.2	368.3
59°	373.8	368.7	365.6	363.1	361.9	361.9
59.5°	367.2	362.6	359.6	356.4	355.2	355.3
60°	360.8	355.9	352.8	350.1	348.9	348.8
60.5°	354.5	349.4	346.4	343.5	342.5	342.7
61°	348.0	343.0	340.0	337.5	336.1	336.4
61.5°	341.7	336.5	333.5	330.8	329.5	329.5
62°	335.4	329.9	327.0	324.2	322.9	322.8
62.5°	328.8	323.2	320.3	317.2	316.0	316.0
63°	322.2	316.7	313.5	310.8	309.6	309.4
63.5°	315.6	309.7	306.9	304.3	302.9	302.8
64°	309.0	303.3	300.3	297.7	296.4	295.9
64.5°	302.2	296.8	293.6	291.0	289.6	289.6
65°	295.8	290.0	286.7	284.2	282.7	282.7
65.5°	289.2	283.1	280.1	277.4	276.1	275.9
66°	282.1	276.5	273.2	270.2	269.0	269.0
66.5°	275.2	269.5	266.3	263.5	262.3	262.3
67°	268.6	262.9	259.5	256.9	255.3	255.7

TEST NUMBER: P869646
 CATALOG NUMBER: SMX14RLSFS010-2000LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	262.3	255.9	252.5	250.2	248.3	248.5
68°	255.2	249.1	245.5	243.0	241.7	241.7
68.5°	248.3	242.2	238.7	235.8	234.6	234.7
69°	241.3	235.2	231.6	229.2	227.5	227.6
69.5°	234.6	228.2	224.8	222.0	220.5	220.7
70°	227.7	221.3	218.0	215.0	214.0	213.7
70.5°	220.7	214.3	211.0	208.3	207.0	206.9
71°	213.8	207.1	204.0	201.1	199.7	199.9
71.5°	207.0	200.2	196.9	194.2	192.5	192.6
72°	200.0	193.3	190.0	187.2	185.9	185.9
72.5°	193.0	186.4	183.2	180.4	179.0	179.1
73°	185.8	179.4	176.0	173.1	172.1	172.0
73.5°	179.1	172.4	169.2	166.3	164.8	165.0
74°	172.3	165.5	161.9	159.3	157.8	157.9
74.5°	165.3	158.5	155.2	152.3	150.8	150.9
75°	158.1	151.5	148.2	145.5	144.3	144.1
75.5°	151.3	144.6	141.4	138.4	136.9	137.3
76°	144.3	137.6	134.3	131.6	130.3	130.3
76.5°	137.6	130.7	127.3	124.8	123.5	123.4
77°	130.6	124.1	120.8	118.1	116.6	116.6
77.5°	123.8	117.4	114.1	111.5	110.2	110.2
78°	117.1	110.5	107.2	104.8	103.4	103.4
78.5°	110.3	103.9	100.9	98.2	97.0	96.8
79°	103.7	97.4	94.3	91.7	90.5	90.4
79.5°	97.1	90.8	87.7	85.1	83.9	83.9
80°	90.8	84.2	81.1	78.7	77.5	77.7
80.5°	84.3	78.1	75.1	72.4	71.3	71.4
81°	78.0	71.8	68.7	66.5	65.4	65.4
81.5°	71.7	65.9	63.0	60.5	59.4	59.5
82°	65.6	60.0	57.0	54.7	53.6	53.6
82.5°	59.9	54.3	51.5	49.3	48.2	48.2
83°	54.0	48.5	45.9	43.8	42.8	42.7
83.5°	48.3	43.1	40.6	38.5	37.5	37.6
84°	42.7	38.0	35.5	33.5	32.6	32.6
84.5°	37.6	33.1	30.8	29.0	28.0	28.0
85°	32.6	28.3	26.3	24.7	23.9	23.8
85.5°	27.8	24.2	22.0	20.5	19.7	19.6
86°	23.6	20.0	18.0	16.5	15.8	15.9
86.5°	19.8	16.1	14.1	12.6	12.0	12.0
87°	16.0	12.3	10.4	9.3	8.6	8.7
87.5°	12.4	8.9	7.6	6.6	6.2	6.3
88°	9.3	6.3	5.3	4.4	4.0	3.9
88.5°	6.3	4.1	3.3	2.8	2.4	2.3
89°	4.1	2.6	2.0	1.6	1.4	1.5
89.5°	2.1	1.6	1.2	1.0	1.3	1.0

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


NVLAP Lab Code: 200050-0



TEST NUMBER: P869646
CATALOG NUMBER: SMX14RLSFS010-2000LM-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)