

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: P869665

Luminaire Tested: **SMX14RLSFSD2W-2000LM-5000K**

Issue Date: 8/29/2024

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P869665
 Test Lab:
 Issue Date: 8/29/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: SMX14RLSFSD2W-2000LM-5000K
 Description: 14IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION
 Light Source: SELECTABLE CCT 90CRI / 5000K CCT
 Ballast/Driver: -

Summary

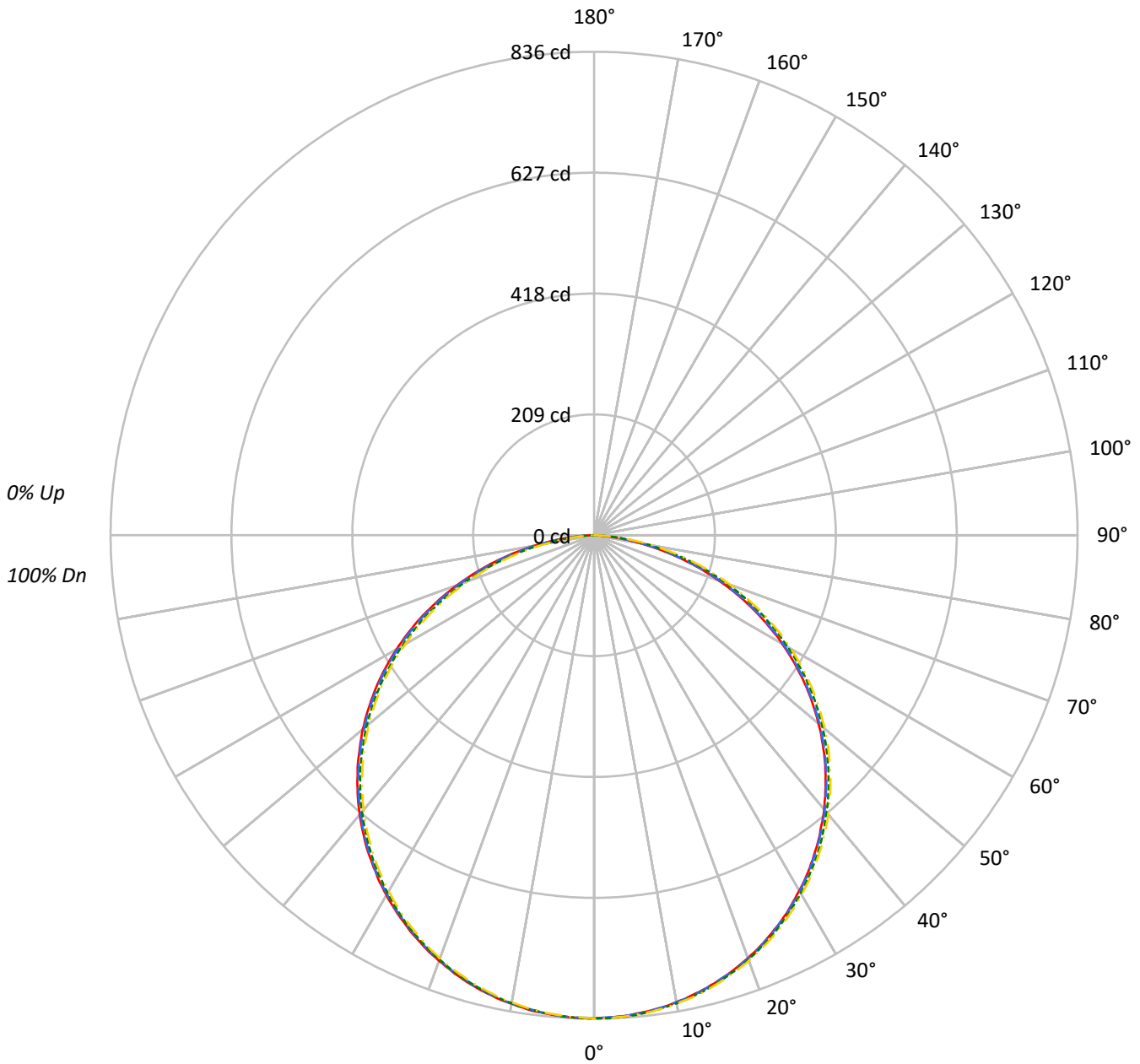
Lumens per Lamp: N/A
 Luminaire Lumens: 2445.0 lumens
 Efficiency: N/A
 Efficacy: 92.6 lumens/watt
 Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
 Luminous Opening: Circular (Dia: 1.17' x H: 0')
 CIE Type: Direct

Input Watts (W): 26.4
 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°	8403	8403	8403	8403
5°	8390	8412	8410	8410
10°	8377	8400	8405	8394
15°	8359	8384	8402	8385
20°	8331	8357	8390	8365
25°	8299	8337	8375	8338
30°	8243	8304	8348	8300
35°	8193	8267	8316	8256
40°	8128	8216	8281	8203
45°	8041	8156	8233	8126
50°	7930	8069	8172	8031
55°	7785	7964	8078	7909
60°	7562	7793	7936	7714
65°	7251	7553	7736	7439
70°	6773	7179	7418	7014
75°	6034	6598	6909	6345
80°	4851	5627	6079	5256
85°	2956	4030	4699	3522

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.1	3.2
10°-20°	227.1	9.3
20°-30°	345.9	14.1
30°-40°	420.5	17.2
40°-50°	441.0	18.0
50°-60°	403.6	16.5
60°-70°	310.9	12.7
70°-80°	175.8	7.2
80°-90°	41.1	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°	652.1	26.7
0°-40°	1072.6	43.9
0°-60°	1917.2	78.4
0°-90°	2445.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2445.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	835	835	835	835	835	
5°	831	833	832	832	831	79
15°	802	805	806	805	802	226
25°	747	751	754	751	747	344
35°	667	673	677	672	667	417
45°	565	573	578	571	565	436
55°	444	454	460	451	444	396
65°	304	317	325	312	304	301
75°	155	170	178	163	155	164
85°	26	35	41	30	26	34
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°	835.0	835.0	835.0	835.0	835.0	835.0	835.0	835.0	835.0	835.0	835.0
0.5°	834.6	834.4	834.5	835.4	835.6	835.9	835.3	834.9	834.7	834.5	834.7
1°	834.7	834.0	834.3	835.5	835.6	835.6	835.3	834.7	835.1	834.6	834.3
1.5°	834.4	834.2	834.1	834.7	835.4	835.5	835.3	835.0	835.4	834.2	834.4
2°	834.2	833.5	833.8	834.2	835.5	835.3	834.8	834.9	835.1	834.0	834.4
2.5°	833.5	833.4	833.9	834.5	834.8	834.9	834.6	834.6	834.8	834.0	834.1
3°	833.2	832.9	833.4	833.8	834.4	834.6	834.1	834.2	834.4	834.0	833.8
3.5°	833.0	832.5	833.2	833.4	834.4	834.4	834.0	834.0	833.8	833.6	833.4
4°	832.5	831.9	832.5	832.9	833.8	833.8	833.5	833.4	833.2	833.3	833.5
4.5°	831.6	831.1	831.8	832.0	833.0	833.3	832.9	833.0	832.7	832.7	832.3
5°	830.6	830.0	831.1	831.9	832.7	832.4	832.4	832.5	832.5	832.0	832.0
5.5°	829.7	829.3	830.3	830.4	831.7	831.8	831.6	831.6	831.7	831.6	831.4
6°	829.1	828.4	829.5	829.5	831.1	830.8	830.9	830.9	831.1	830.8	830.4
6.5°	828.4	827.7	828.8	828.8	830.0	830.1	830.5	830.3	830.2	830.2	829.6
7°	827.5	826.9	827.2	827.8	829.1	828.7	829.6	829.3	829.7	829.3	828.5
7.5°	826.6	825.8	826.0	826.7	827.9	827.8	828.4	828.2	829.1	828.3	827.4
8°	825.4	824.9	824.8	825.8	826.7	826.6	827.5	827.5	827.9	827.5	827.0
8.5°	824.0	823.5	824.2	824.8	825.8	825.5	826.0	826.0	826.2	826.2	825.6
9°	822.7	822.4	822.9	823.3	824.3	825.0	825.5	825.0	825.1	824.6	824.8
9.5°	821.1	821.0	821.4	822.2	823.2	823.2	823.8	823.7	824.2	823.8	823.2
10°	819.8	819.7	819.7	821.1	822.0	822.0	822.7	822.7	822.5	822.9	822.2
10.5°	818.2	818.5	818.8	819.5	820.6	820.8	821.0	821.4	821.6	821.4	820.8
11°	817.4	816.6	817.3	818.2	819.0	819.2	819.5	819.8	820.3	819.7	819.4
11.5°	815.2	814.9	816.2	816.3	817.5	817.5	818.6	818.5	818.9	818.0	817.7
12°	813.5	813.4	814.2	814.8	816.2	816.0	817.0	816.9	817.4	816.7	816.2
12.5°	811.4	811.9	812.5	813.1	814.1	814.8	814.9	815.6	815.1	815.5	814.8
13°	810.2	810.2	810.6	810.8	812.4	813.2	813.5	813.8	814.0	813.6	813.3
13.5°	808.1	808.1	808.9	809.5	810.7	811.3	811.7	812.0	812.4	811.4	811.5
14°	806.4	806.1	806.9	807.6	808.8	809.3	809.8	809.8	810.5	809.7	809.3
14.5°	803.7	804.0	804.7	806.1	806.7	807.2	808.2	808.5	808.6	808.4	807.5
15°	802.3	801.8	803.0	803.1	804.7	805.2	805.8	806.8	806.5	806.1	806.0
15.5°	800.0	799.7	800.4	801.2	802.5	803.0	803.9	804.5	804.7	804.1	803.4
16°	797.7	797.9	798.1	799.3	800.4	800.9	801.8	801.8	802.6	801.8	800.9
16.5°	795.6	795.8	795.8	797.0	797.9	798.5	799.5	799.5	800.3	799.9	798.9
17°	793.5	793.6	794.1	794.8	795.8	796.1	797.4	797.6	797.7	798.0	796.8
17.5°	790.9	791.0	791.8	792.9	793.2	794.3	795.3	795.3	795.8	795.1	794.8
18°	788.5	788.4	789.2	790.2	791.4	792.0	792.9	793.2	793.5	793.1	792.2
18.5°	785.8	785.6	786.7	787.3	788.5	789.5	790.1	790.6	790.7	790.8	790.0
19°	783.3	783.1	784.3	784.6	785.7	786.9	787.7	788.0	788.7	788.0	787.2
19.5°	780.4	780.5	781.5	782.5	783.4	784.0	785.6	785.6	785.5	785.9	784.6
20°	777.9	777.7	778.8	779.6	780.4	781.9	783.0	783.4	783.4	783.2	782.2
20.5°	775.2	774.8	775.8	777.2	777.8	779.1	780.1	780.8	780.4	780.5	779.7
21°	772.6	772.2	772.9	773.9	775.1	775.9	777.4	778.0	778.0	777.7	776.6
21.5°	769.5	769.1	770.3	771.3	772.5	773.5	774.6	775.3	775.5	774.8	773.9
22°	766.2	766.6	767.5	768.0	769.1	770.6	772.0	772.4	772.5	771.7	770.9

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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°	763.4	763.1	764.3	765.0	766.5	767.5	768.7	769.4	769.6	769.0	768.3
23°	760.3	760.1	760.7	762.4	763.4	764.4	765.9	766.8	766.2	766.2	765.0
23.5°	756.9	756.9	757.4	758.9	760.2	761.1	763.0	763.2	763.1	763.4	761.7
24°	753.8	753.8	754.7	755.7	757.2	758.5	760.1	760.3	760.2	760.4	758.8
24.5°	750.2	750.6	751.2	752.5	754.2	754.9	756.6	757.2	757.2	756.7	755.8
25°	747.4	746.9	748.2	749.0	750.8	751.8	753.4	754.0	754.3	754.0	752.3
25.5°	743.6	744.0	744.5	745.7	747.0	748.6	750.1	750.9	750.6	750.5	749.0
26°	740.1	740.6	741.0	742.4	744.0	745.6	746.5	747.4	746.9	747.4	745.9
26.5°	736.5	736.5	737.2	738.9	740.4	741.7	743.5	743.9	743.6	743.6	742.2
27°	733.4	733.2	734.0	734.9	737.5	738.0	739.9	740.7	740.1	740.3	738.4
27.5°	729.2	729.3	730.3	731.2	733.6	734.5	736.0	736.9	736.8	736.8	735.2
28°	725.3	725.6	726.7	727.7	729.5	731.3	732.8	733.4	733.2	733.1	731.5
28.5°	721.4	721.7	722.6	723.5	726.0	727.3	729.0	729.5	729.5	729.1	727.8
29°	717.6	718.3	718.8	720.1	722.2	723.5	725.5	726.0	726.0	725.4	724.3
29.5°	713.2	713.8	714.9	716.3	718.7	719.6	721.7	722.3	722.5	722.2	720.5
30°	709.4	709.9	710.8	712.5	714.6	716.0	718.0	718.5	718.4	718.3	716.4
30.5°	706.1	706.1	707.3	708.7	710.9	712.0	713.8	714.6	714.4	714.5	712.7
31°	701.9	702.6	702.7	704.3	707.3	707.9	709.8	711.2	710.4	710.6	708.9
31.5°	697.7	697.9	698.9	700.5	702.8	704.3	706.1	706.7	706.7	706.9	705.0
32°	693.8	694.0	695.0	696.4	698.7	700.2	702.5	702.9	703.0	703.0	700.8
32.5°	689.5	689.9	690.1	691.7	694.2	696.0	698.1	699.3	698.4	698.4	697.0
33°	684.9	685.8	685.9	687.6	690.3	691.4	693.8	694.7	693.8	694.3	692.8
33.5°	680.2	681.1	681.8	683.5	685.8	687.2	689.3	690.8	689.9	689.9	688.4
34°	676.1	676.8	677.1	679.2	681.9	683.2	685.1	686.5	685.6	685.7	684.0
34.5°	671.2	672.1	673.1	674.7	677.4	678.9	680.9	682.1	681.2	681.3	679.7
35°	666.9	667.7	668.6	670.0	672.9	674.3	676.6	677.3	676.9	676.9	675.5
35.5°	662.3	662.7	664.0	665.3	668.4	670.0	671.8	672.8	672.8	672.7	671.1
36°	657.8	658.1	658.9	660.7	663.9	665.6	667.8	668.5	668.5	668.0	666.5
36.5°	653.2	653.4	654.7	656.2	659.7	660.6	663.1	664.0	664.0	664.1	661.8
37°	648.4	648.6	649.7	651.5	654.7	656.3	658.4	659.7	659.3	659.3	657.6
37.5°	643.2	643.9	644.9	646.8	649.7	651.5	653.7	654.6	654.4	654.3	652.8
38°	638.1	639.2	640.2	641.8	645.1	647.2	649.4	650.0	649.5	649.3	648.2
38.5°	633.6	634.3	635.1	636.7	640.2	642.0	644.4	645.2	645.2	644.7	643.4
39°	628.7	628.9	630.3	632.0	635.1	637.0	639.6	640.7	640.4	639.9	638.3
39.5°	623.9	623.9	625.3	627.1	630.1	632.4	635.0	635.7	635.4	635.1	633.0
40°	618.7	619.5	620.4	622.3	625.4	627.6	629.5	630.9	630.4	630.3	628.1
40.5°	613.3	614.0	615.5	617.3	620.5	622.6	624.7	625.9	625.5	625.2	623.2
41°	608.2	609.3	610.2	612.3	615.6	617.8	619.7	620.9	620.8	620.2	618.4
41.5°	603.0	603.8	605.0	607.3	610.5	612.7	614.7	615.6	615.7	614.9	613.0
42°	597.7	598.6	599.4	601.9	605.2	607.4	609.4	610.4	610.2	609.8	608.1
42.5°	592.2	593.3	594.0	596.6	600.0	601.9	604.2	605.4	605.1	605.0	602.9
43°	586.7	587.7	588.7	591.1	594.7	596.9	599.2	600.4	599.8	599.4	597.7
43.5°	581.5	582.4	583.5	585.9	589.0	591.4	593.5	595.2	594.7	593.9	592.4
44°	576.4	576.7	577.9	580.2	583.8	586.2	588.5	589.5	589.2	588.7	587.1
44.5°	570.3	571.0	572.6	574.8	578.5	580.8	582.8	583.9	583.8	583.2	581.5

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 CATALOG NUMBER: SMX14RLSFS2W-2000LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	565.0	565.5	567.1	569.5	573.1	575.2	577.5	578.6	578.5	578.1	576.1
45.5°	559.6	559.7	561.4	563.8	567.5	569.6	572.0	572.7	573.1	572.4	570.4
46°	553.7	554.2	555.5	558.2	561.6	564.0	566.5	567.5	567.7	567.2	565.2
46.5°	548.2	548.5	549.7	552.1	555.9	558.4	561.0	561.7	561.8	561.4	559.4
47°	542.3	542.8	544.3	546.8	550.1	552.8	555.3	556.1	556.2	555.5	553.6
47.5°	536.6	536.8	538.7	541.0	544.7	547.1	549.5	550.6	550.5	550.0	548.2
48°	530.6	531.0	533.0	535.1	539.0	541.3	544.0	545.0	544.9	544.2	542.7
48.5°	524.7	525.2	526.9	529.3	533.2	535.6	538.1	539.3	539.3	538.5	536.8
49°	519.0	519.2	521.1	523.4	527.3	529.6	532.5	533.6	533.5	532.7	531.0
49.5°	512.9	513.3	515.0	517.6	521.3	523.8	526.4	527.3	527.8	527.0	525.2
50°	506.5	507.1	508.9	511.4	515.4	518.1	520.9	521.8	522.0	521.3	518.9
50.5°	500.5	500.9	502.9	505.6	509.3	512.1	514.8	515.7	515.7	515.1	513.0
51°	494.4	494.8	496.6	499.3	503.5	506.0	508.5	509.8	509.9	508.8	507.2
51.5°	488.1	488.7	490.5	493.2	497.2	500.1	502.6	503.7	503.8	502.9	500.9
52°	481.8	482.4	484.1	487.0	491.4	494.0	496.8	498.1	497.6	496.7	495.1
52.5°	475.4	476.2	478.1	480.7	485.1	487.7	490.5	491.8	491.3	490.6	488.6
53°	469.3	470.0	472.0	474.5	478.8	481.6	484.3	485.7	485.4	484.6	482.5
53.5°	462.9	463.2	465.5	468.0	472.8	475.5	477.7	479.3	479.0	478.3	476.4
54°	456.5	456.6	458.8	461.5	466.5	468.9	471.7	473.2	472.7	472.3	469.9
54.5°	450.2	450.8	452.6	455.1	459.8	462.8	465.5	466.6	466.5	465.8	463.4
55°	443.7	444.3	446.2	449.1	453.9	456.6	459.3	460.8	460.4	459.5	457.2
55.5°	437.2	437.5	439.8	442.3	447.3	450.3	452.8	454.4	454.1	453.0	451.1
56°	430.5	431.0	433.1	435.9	441.0	443.6	446.7	448.1	447.6	446.6	444.5
56.5°	423.6	424.3	426.7	429.1	434.3	437.1	439.9	441.1	441.3	439.8	438.2
57°	416.9	417.7	419.7	422.2	427.6	430.8	433.6	435.1	434.5	433.5	431.6
57.5°	410.2	410.8	412.9	415.6	421.0	423.8	426.8	428.0	428.0	427.0	424.9
58°	403.8	404.2	406.1	409.1	414.4	417.4	420.4	421.5	421.2	420.1	418.3
58.5°	396.7	397.0	399.5	402.3	407.6	410.7	413.4	414.9	415.0	413.4	411.6
59°	389.8	390.6	392.5	395.6	401.0	404.0	406.8	408.2	408.3	406.5	404.7
59.5°	382.7	383.6	385.6	388.5	394.1	397.3	400.0	401.5	401.1	400.1	398.0
60°	375.7	376.6	379.0	381.9	387.2	390.4	393.3	394.6	394.3	393.2	391.1
60.5°	369.1	369.6	371.5	374.8	380.0	383.7	386.4	387.8	387.6	386.4	384.2
61°	362.3	362.9	364.9	368.3	373.2	376.8	379.7	381.0	380.7	379.3	377.7
61.5°	354.9	355.7	357.9	361.1	366.3	369.8	372.5	373.9	374.0	372.6	370.7
62°	347.7	348.7	350.9	353.9	359.9	363.2	365.9	367.2	367.1	365.9	363.9
62.5°	340.3	341.5	343.4	346.6	352.7	356.2	359.1	360.3	360.2	358.8	356.7
63°	333.3	334.5	336.5	339.7	345.6	349.2	351.9	353.4	353.1	351.9	349.8
63.5°	326.2	327.3	329.4	332.5	338.4	342.0	345.1	346.2	346.2	344.9	342.6
64°	318.7	320.0	322.3	325.4	331.2	335.1	337.7	338.9	339.0	337.6	335.7
64.5°	311.9	312.9	315.0	318.3	324.3	327.6	330.7	331.8	331.8	330.6	328.2
65°	304.5	305.6	308.0	311.3	317.2	320.8	323.9	324.9	324.9	323.6	321.5
65.5°	297.2	298.4	300.5	304.1	310.2	313.6	316.5	317.8	317.9	316.6	314.0
66°	289.7	290.9	293.1	296.4	302.6	306.3	309.2	310.5	310.3	309.3	306.8
66.5°	282.5	283.7	285.6	289.0	295.4	298.9	301.7	303.2	303.0	301.6	299.5
67°	275.4	276.2	278.4	281.8	288.0	291.6	294.4	295.9	295.8	294.7	292.0

TEST NUMBER: P869665
 CATALOG NUMBER: SMX14RLSFSD2W-2000LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	267.7	268.9	271.2	274.5	280.8	284.2	287.1	288.7	288.8	287.3	284.8
68°	260.3	261.3	263.8	267.1	273.4	277.1	280.3	281.3	281.4	280.0	277.8
68.5°	252.8	253.9	256.2	259.7	266.3	269.9	272.6	274.1	274.1	272.6	270.6
69°	245.2	246.2	248.8	252.2	258.9	262.4	265.5	266.7	266.7	265.3	263.4
69.5°	237.7	238.8	241.4	244.5	251.5	255.3	258.1	259.4	259.5	257.9	255.5
70°	230.2	231.3	233.9	237.1	244.0	247.6	250.7	251.9	252.1	250.6	248.0
70.5°	222.8	223.9	226.4	230.0	236.9	240.2	243.2	244.7	244.7	243.3	240.7
71°	215.3	216.1	218.8	222.1	229.3	233.1	236.2	237.4	237.4	235.9	233.4
71.5°	207.5	208.8	211.2	214.5	221.8	225.7	228.5	229.9	230.0	228.4	225.8
72°	200.3	201.2	203.7	207.1	214.1	218.1	221.3	222.3	222.5	220.9	218.3
72.5°	192.9	194.0	196.5	199.8	206.8	210.7	213.6	215.1	215.2	213.5	211.0
73°	185.2	186.4	189.0	192.1	199.2	203.1	206.1	207.3	207.5	205.9	203.2
73.5°	177.7	178.7	181.4	184.6	192.1	195.8	198.8	200.0	200.1	198.6	196.1
74°	170.1	171.4	173.9	177.2	184.6	188.4	191.5	192.6	192.8	191.1	188.7
74.5°	162.6	163.8	166.4	169.6	177.0	180.9	184.0	185.2	185.3	183.9	181.0
75°	155.2	156.4	159.0	162.2	169.7	173.4	176.3	177.7	177.7	176.2	173.7
75.5°	147.9	149.0	151.6	155.0	162.1	165.9	168.9	170.3	170.2	168.8	166.1
76°	140.4	141.6	144.2	147.4	154.7	158.5	161.3	162.8	163.0	161.3	158.7
76.5°	132.9	134.3	136.8	140.0	147.4	151.3	154.1	155.3	155.4	153.9	151.1
77°	125.6	126.9	129.6	132.8	140.0	143.8	146.7	148.1	147.9	146.6	144.1
77.5°	118.7	119.9	122.4	125.7	132.7	136.5	139.5	140.6	140.7	139.2	136.6
78°	111.4	112.7	115.2	118.2	125.5	129.3	132.2	133.3	133.4	131.8	129.4
78.5°	104.3	105.5	108.2	111.5	118.1	121.8	124.9	126.0	126.1	124.6	122.0
79°	97.3	98.6	101.2	104.4	111.3	114.7	117.5	118.8	118.8	117.4	115.0
79.5°	90.4	91.6	94.2	97.3	104.2	107.8	110.7	111.8	111.8	110.5	107.7
80°	83.7	84.6	87.4	90.4	97.1	100.8	103.5	104.8	104.9	103.4	101.0
80.5°	76.9	78.1	80.5	83.6	90.4	94.0	96.7	97.9	97.9	96.4	93.8
81°	70.5	71.6	73.9	77.0	83.6	86.9	89.7	91.0	91.0	89.7	87.2
81.5°	64.1	65.4	67.5	70.6	77.0	80.2	82.9	84.1	84.0	82.5	80.2
82°	57.8	58.9	61.2	64.0	70.3	73.7	76.1	77.4	77.5	76.0	73.6
82.5°	51.9	53.0	55.2	58.0	64.1	67.3	69.7	70.9	70.9	69.5	67.2
83°	46.0	47.1	49.2	51.8	57.9	61.1	63.5	64.9	64.7	63.4	61.0
83.5°	40.5	41.5	43.6	46.0	51.8	54.7	57.2	58.5	58.4	56.9	54.8
84°	35.1	36.2	38.2	40.5	45.7	48.9	51.1	52.3	52.3	50.8	48.7
84.5°	30.1	31.2	33.0	35.4	40.2	42.9	45.4	46.4	46.3	45.0	43.1
85°	25.6	26.6	28.4	30.2	34.9	37.6	39.8	40.8	40.7	39.5	37.7
85.5°	21.1	21.8	23.6	25.7	29.8	32.3	34.3	35.3	35.3	34.1	32.2
86°	17.1	17.6	19.3	21.2	25.5	27.5	29.3	30.2	30.1	29.0	27.4
86.5°	12.9	13.7	15.2	17.1	21.3	23.3	25.0	25.8	25.8	24.8	23.0
87°	9.3	9.9	11.1	13.0	17.2	19.2	20.9	21.7	21.6	20.7	19.0
87.5°	6.8	7.0	8.1	9.5	13.4	15.3	16.9	17.5	17.4	16.6	15.1
88°	4.2	4.7	5.5	6.8	10.0	11.6	13.0	13.8	13.7	12.8	11.6
88.5°	2.5	2.8	3.5	4.4	6.9	8.4	9.6	10.2	10.1	9.3	8.2
89°	1.6	1.7	2.1	2.6	4.3	5.7	6.6	7.1	7.0	6.4	5.6
89.5°	1.1	0.9	1.2	1.5	2.4	3.5	4.1	4.5	4.5	4.0	3.2

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



TEST NUMBER: P869665
CATALOG NUMBER: SMX14RLSFSD2W-2000LM-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: P869665
 CATALOG NUMBER: SMX14RLSFS2W-2000LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	835.0	835.0	835.0	835.0	835.0	835.0
0.5°	835.0	835.8	835.5	835.0	835.3	834.6
1°	835.0	835.8	835.3	834.8	835.0	834.7
1.5°	835.1	835.7	835.1	834.3	834.2	834.4
2°	834.7	835.3	834.7	834.4	834.2	834.2
2.5°	834.3	834.8	834.5	834.0	833.7	833.5
3°	834.0	834.1	834.3	833.7	833.8	833.2
3.5°	833.9	833.9	833.7	833.3	833.5	833.0
4°	833.5	833.4	832.9	832.1	831.9	832.5
4.5°	832.6	832.8	832.7	831.6	831.8	831.6
5°	831.9	832.5	831.8	830.9	830.5	830.6
5.5°	831.7	831.3	831.5	830.4	830.4	829.7
6°	830.7	830.5	830.3	829.5	829.7	829.1
6.5°	829.6	829.3	829.4	828.4	828.6	828.4
7°	828.6	828.5	828.4	827.7	827.8	827.5
7.5°	827.7	827.7	827.5	826.6	827.2	826.6
8°	826.5	826.3	826.3	825.6	826.2	825.4
8.5°	825.8	825.3	824.9	824.4	824.6	824.0
9°	824.9	824.4	824.1	822.9	823.2	822.7
9.5°	823.5	823.2	822.8	821.4	821.8	821.1
10°	821.9	821.5	821.2	820.6	820.4	819.8
10.5°	820.7	820.3	819.8	818.8	818.3	818.2
11°	819.3	818.8	818.3	817.5	816.8	817.4
11.5°	817.6	817.2	816.8	815.7	815.5	815.2
12°	816.0	815.6	815.1	814.2	814.1	813.5
12.5°	814.5	814.1	813.6	812.1	812.0	811.4
13°	812.5	812.7	811.7	810.7	810.5	810.2
13.5°	810.7	810.6	809.8	808.7	808.7	808.1
14°	809.1	808.6	808.4	806.7	806.3	806.4
14.5°	806.8	806.7	806.2	804.8	804.6	803.7
15°	805.0	804.8	804.1	802.7	802.3	802.3
15.5°	803.3	802.7	801.9	800.5	800.3	800.0
16°	800.9	800.6	799.5	798.2	798.1	797.7
16.5°	798.8	798.4	797.2	795.8	795.6	795.6
17°	796.7	796.0	794.8	793.8	793.5	793.5
17.5°	794.7	793.5	792.8	791.4	791.4	790.9
18°	792.0	791.3	789.7	788.8	788.4	788.5
18.5°	789.8	789.0	787.9	786.3	786.3	785.8
19°	787.2	786.3	785.3	784.0	783.4	783.3
19.5°	784.4	783.6	783.0	781.6	780.9	780.4
20°	782.0	781.1	779.9	778.7	778.3	777.9
20.5°	779.4	778.0	777.1	775.7	775.6	775.2
21°	776.3	775.4	774.2	773.0	772.1	772.6
21.5°	773.3	772.6	771.3	770.0	769.4	769.5
22°	770.5	769.6	768.3	766.9	765.8	766.2

TEST NUMBER: P869665
 CATALOG NUMBER: SMX14RLSFSD2W-2000LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	767.3	766.4	765.3	763.6	763.2	763.4
23°	764.5	763.7	762.4	760.5	760.0	760.3
23.5°	761.3	760.6	759.5	757.4	757.0	756.9
24°	758.2	757.4	755.9	754.1	753.6	753.8
24.5°	755.3	754.0	752.8	750.6	750.2	750.2
25°	752.3	750.9	749.6	748.0	747.3	747.4
25.5°	748.8	747.8	745.9	744.3	743.9	743.6
26°	745.2	744.4	742.5	741.3	740.2	740.1
26.5°	741.4	740.4	739.0	737.3	736.8	736.5
27°	738.1	737.0	735.6	733.5	733.0	733.4
27.5°	735.1	733.1	731.7	730.0	729.3	729.2
28°	730.7	729.5	728.2	725.7	725.0	725.3
28.5°	727.2	725.9	724.4	722.2	721.0	721.4
29°	723.7	722.1	720.3	718.4	717.4	717.6
29.5°	720.0	718.2	716.5	714.3	713.5	713.2
30°	716.1	714.3	712.9	710.4	709.9	709.4
30.5°	712.0	710.5	708.9	706.7	705.8	706.1
31°	708.3	706.3	704.2	702.7	701.8	701.9
31.5°	704.4	701.7	700.4	698.7	697.7	697.7
32°	700.1	698.1	696.2	694.4	693.2	693.8
32.5°	696.1	693.8	692.3	690.0	689.1	689.5
33°	691.7	689.5	687.9	685.8	684.9	684.9
33.5°	687.4	685.0	683.3	681.4	680.4	680.2
34°	683.0	681.1	678.7	676.7	676.0	676.1
34.5°	679.0	676.3	674.4	672.3	671.0	671.2
35°	674.2	672.0	669.5	667.9	666.8	666.9
35.5°	670.0	667.6	665.8	663.5	662.2	662.3
36°	665.1	663.0	660.9	658.5	657.7	657.8
36.5°	660.9	658.0	655.9	653.7	652.7	653.2
37°	655.9	653.5	650.9	649.5	648.3	648.4
37.5°	651.9	649.1	646.9	644.9	643.5	643.2
38°	646.5	643.9	641.6	639.5	638.3	638.1
38.5°	641.8	639.0	636.6	634.5	633.6	633.6
39°	636.7	634.1	631.5	630.0	628.9	628.7
39.5°	632.2	628.9	626.9	624.7	623.8	623.9
40°	626.8	624.4	622.1	619.8	618.8	618.7
40.5°	622.3	619.4	616.7	614.7	613.9	613.3
41°	616.8	614.2	611.4	609.5	608.4	608.2
41.5°	612.2	608.8	606.2	604.1	602.9	603.0
42°	606.7	603.5	601.1	598.6	597.8	597.7
42.5°	601.4	598.2	595.8	593.4	592.4	592.2
43°	596.2	592.7	590.5	588.1	587.0	586.7
43.5°	590.9	587.4	585.4	582.6	581.8	581.5
44°	585.3	582.2	579.7	577.0	576.1	576.4
44.5°	580.2	576.6	574.2	571.7	570.4	570.3

TEST NUMBER: P869665
 CATALOG NUMBER: SMX14RLSFSD2W-2000LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	574.6	571.0	568.5	566.2	565.1	565.0
45.5°	569.1	565.4	563.0	560.2	559.7	559.6
46°	563.4	560.1	557.2	555.0	553.7	553.7
46.5°	557.8	553.9	551.5	549.2	547.6	548.2
47°	552.2	548.6	545.6	543.5	541.9	542.3
47.5°	546.4	542.7	539.9	537.9	536.2	536.6
48°	540.6	536.8	534.2	532.0	530.5	530.6
48.5°	535.1	531.0	528.3	526.0	525.1	524.7
49°	529.3	525.4	522.4	519.9	519.0	519.0
49.5°	523.1	519.3	516.5	513.9	512.6	512.9
50°	517.2	513.0	510.2	508.0	506.7	506.5
50.5°	511.0	507.0	504.4	501.9	500.7	500.5
51°	505.0	501.1	498.2	495.6	494.7	494.4
51.5°	499.4	495.0	492.2	489.6	488.2	488.1
52°	493.0	488.8	486.1	483.6	481.9	481.8
52.5°	486.7	482.3	479.7	477.2	475.8	475.4
53°	480.4	476.1	473.5	470.8	469.2	469.3
53.5°	474.2	469.8	466.8	464.1	462.8	462.9
54°	467.7	463.2	460.6	457.9	456.4	456.5
54.5°	461.6	457.0	454.3	451.6	450.4	450.2
55°	455.2	450.8	447.7	445.1	443.9	443.7
55.5°	448.9	444.0	441.0	438.8	437.3	437.2
56°	442.4	437.4	434.7	432.0	430.4	430.5
56.5°	435.8	431.0	427.8	425.2	424.1	423.6
57°	429.2	424.3	421.3	418.5	417.0	416.9
57.5°	422.6	417.5	414.4	411.6	410.2	410.2
58°	415.8	410.8	407.6	404.9	403.6	403.8
58.5°	409.3	404.1	400.8	398.0	396.6	396.7
59°	402.6	397.1	393.8	391.1	389.8	389.8
59.5°	395.5	390.5	387.3	383.9	382.6	382.7
60°	388.6	383.3	380.0	377.1	375.8	375.7
60.5°	381.8	376.4	373.1	370.0	368.9	369.1
61°	374.8	369.4	366.2	363.5	362.0	362.3
61.5°	368.1	362.4	359.2	356.3	354.9	354.9
62°	361.2	355.4	352.2	349.2	347.8	347.7
62.5°	354.1	348.1	345.0	341.7	340.3	340.3
63°	347.1	341.1	337.7	334.8	333.5	333.3
63.5°	339.9	333.6	330.6	327.7	326.3	326.2
64°	332.8	326.7	323.4	320.7	319.2	318.7
64.5°	325.5	319.7	316.2	313.5	311.9	311.9
65°	318.6	312.4	308.8	306.1	304.5	304.5
65.5°	311.5	304.9	301.7	298.8	297.4	297.2
66°	303.9	297.8	294.2	291.0	289.7	289.7
66.5°	296.4	290.2	286.8	283.8	282.5	282.5
67°	289.3	283.2	279.5	276.7	275.0	275.4

TEST NUMBER: P869665
 CATALOG NUMBER: SMX14RLSFSD2W-2000LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	282.5	275.7	272.0	269.5	267.5	267.7
68°	274.9	268.3	264.4	261.7	260.3	260.3
68.5°	267.5	260.8	257.1	254.0	252.7	252.8
69°	259.9	253.3	249.5	246.9	245.0	245.2
69.5°	252.7	245.8	242.2	239.1	237.5	237.7
70°	245.3	238.4	234.8	231.5	230.5	230.2
70.5°	237.7	230.8	227.2	224.4	222.9	222.8
71°	230.3	223.0	219.7	216.6	215.1	215.3
71.5°	222.9	215.6	212.1	209.2	207.3	207.5
72°	215.4	208.2	204.7	201.6	200.3	200.3
72.5°	207.9	200.8	197.3	194.3	192.8	192.9
73°	200.1	193.2	189.5	186.5	185.3	185.2
73.5°	192.9	185.7	182.2	179.1	177.5	177.7
74°	185.6	178.3	174.4	171.6	170.0	170.1
74.5°	178.0	170.7	167.2	164.0	162.5	162.6
75°	170.3	163.2	159.6	156.7	155.4	155.2
75.5°	163.0	155.7	152.3	149.1	147.4	147.9
76°	155.4	148.2	144.7	141.8	140.4	140.4
76.5°	148.2	140.8	137.1	134.4	133.0	132.9
77°	140.7	133.7	130.1	127.2	125.6	125.6
77.5°	133.4	126.4	122.9	120.1	118.7	118.7
78°	126.1	119.0	115.5	112.9	111.4	111.4
78.5°	118.8	111.9	108.7	105.7	104.5	104.3
79°	111.7	104.9	101.5	98.8	97.4	97.3
79.5°	104.6	97.8	94.5	91.7	90.4	90.4
80°	97.8	90.7	87.4	84.7	83.5	83.7
80.5°	90.8	84.1	80.9	78.0	76.8	76.9
81°	84.0	77.3	74.0	71.6	70.5	70.5
81.5°	77.2	71.0	67.8	65.2	64.0	64.1
82°	70.7	64.6	61.4	58.9	57.8	57.8
82.5°	64.5	58.5	55.4	53.1	51.9	51.9
83°	58.2	52.2	49.5	47.1	46.1	46.0
83.5°	52.0	46.4	43.7	41.5	40.4	40.5
84°	46.0	41.0	38.2	36.1	35.1	35.1
84.5°	40.5	35.6	33.2	31.2	30.1	30.1
85°	35.1	30.5	28.4	26.6	25.7	25.6
85.5°	29.9	26.0	23.7	22.1	21.2	21.1
86°	25.4	21.5	19.4	17.7	17.0	17.1
86.5°	21.3	17.3	15.2	13.5	12.9	12.9
87°	17.2	13.2	11.2	10.0	9.2	9.3
87.5°	13.3	9.6	8.2	7.1	6.7	6.8
88°	10.0	6.8	5.7	4.7	4.3	4.2
88.5°	6.8	4.4	3.6	3.0	2.6	2.5
89°	4.4	2.8	2.2	1.7	1.5	1.6
89.5°	2.3	1.7	1.3	1.1	1.4	1.1

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


NVLAP Lab Code: 200050-0



TEST NUMBER: P869665
CATALOG NUMBER: SMX14RLSFSD2W-2000LM-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)