

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: P869695

Luminaire Tested: **SMX14SLSFSD2W-2000LM-5000K**

Issue Date: 8/29/2024

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P869695
 Test Lab:
 Issue Date: 8/29/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: SMX14SLSFSD2W-2000LM-5000K
 Description: 14IN SQUARE, 90CRI, DIMMING TO 10%, DAMP LOCATION
 Light Source: SELECTABLE CCT 90CRI / 5000K CCT
 Ballast/Driver: -

Summary

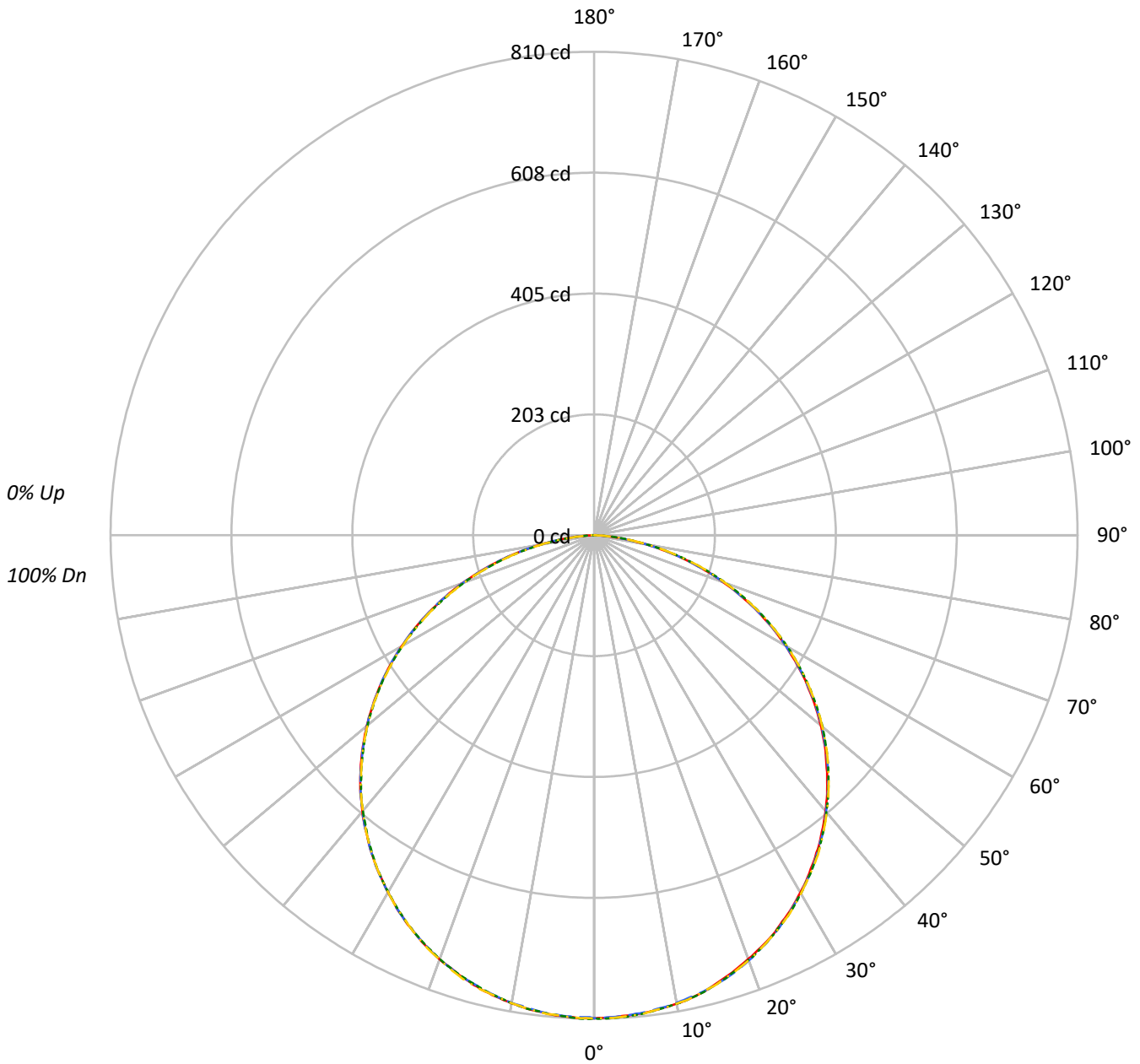
Lumens per Lamp: N/A
 Luminaire Lumens: 2365.0 lumens
 Efficiency: N/A
 Efficacy: 90.3 lumens/watt
 Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
 Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
 CIE Type: Direct

Input Watts (W): 26.2
 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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84	84	84	84
2	99	90	83	78	96	88	82	77	85	80	75	82	77	73	79	75	72	69	69	69	69
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58	58	58	58
4	82	70	61	54	80	69	60	54	66	59	53	64	58	52	62	56	52	50	50	50	50
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43	43	43	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37	37	37	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33	33	33	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29	29	29	29
9	56	43	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26	26	26	26
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24	24	24	24

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6397	6397	6397	6397
5°	6391	6400	6397	6395
10°	6396	6396	6392	6390
15°	6381	6388	6382	6368
20°	6354	6370	6359	6355
25°	6337	6348	6331	6332
30°	6308	6327	6304	6296
35°	6268	6294	6273	6259
40°	6220	6248	6232	6215
45°	6161	6203	6187	6161
50°	6100	6142	6110	6090
55°	5996	6042	6019	5998
60°	5860	5917	5887	5858
65°	5661	5726	5704	5648
70°	5334	5431	5417	5338
75°	4846	4959	4962	4852
80°	4060	4219	4201	4065
85°	2775	2938	2920	2784

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.6	3.2
10°-20°	220.1	9.3
20°-30°	335.2	14.2
30°-40°	407.0	17.2
40°-50°	426.5	18.0
50°-60°	390.0	16.5
60°-70°	300.3	12.7
70°-80°	169.8	7.2
80°-90°	39.5	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°	631.9	26.7
0°-40°	1038.9	43.9
0°-60°	1855.3	78.5
0°-90°	2365.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2365.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	809	809	809	809	809	
5°	806	807	806	806	806	77
15°	780	781	780	778	780	220
25°	727	728	726	726	727	335
35°	650	652	650	649	650	406
45°	551	555	554	551	551	425
55°	435	438	437	435	435	389
65°	303	306	305	302	303	299
75°	159	162	162	159	159	168
85°	31	32	32	31	31	38
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°	809.4	809.4	809.4	809.4	809.4	809.4	809.4	809.4	809.4	809.4	809.4
0.5°	809.0	810.4	808.3	809.2	810.0	809.5	809.6	809.5	809.1	810.0	807.4
1°	809.0	810.6	808.7	808.8	810.0	809.3	809.2	809.0	809.3	809.3	807.6
1.5°	808.6	809.8	808.3	808.4	809.9	809.0	809.7	808.5	808.9	809.4	807.7
2°	808.5	809.6	808.0	808.5	809.6	808.6	809.4	808.3	809.1	809.6	807.6
2.5°	808.2	809.5	807.9	807.8	809.7	808.9	809.0	808.2	808.3	809.4	807.4
3°	807.1	809.2	807.1	807.5	808.9	808.4	808.6	808.1	808.0	808.6	807.2
3.5°	806.7	808.4	807.2	807.2	808.6	807.7	808.0	807.7	807.6	808.5	806.9
4°	806.6	807.7	806.3	806.3	808.5	807.6	807.6	807.6	807.2	807.8	806.7
4.5°	806.1	807.4	805.8	806.0	807.4	807.0	807.1	806.7	807.1	808.2	805.6
5°	805.5	806.9	804.8	805.8	806.7	806.5	806.9	806.0	806.3	807.1	805.4
5.5°	805.1	806.0	804.6	805.0	806.0	805.9	806.5	804.9	805.5	806.2	804.8
6°	804.6	805.2	803.9	804.4	805.4	804.6	805.4	804.4	804.6	805.1	804.1
6.5°	804.0	805.0	802.9	803.5	804.6	803.3	804.6	803.8	803.5	804.3	802.9
7°	803.1	804.0	802.2	802.8	803.5	802.9	803.0	802.6	803.1	803.2	801.9
7.5°	802.2	802.8	800.7	801.4	802.5	801.7	802.2	801.5	802.0	802.6	800.9
8°	800.7	801.6	799.9	800.5	801.3	800.6	801.3	800.6	801.0	801.5	799.7
8.5°	799.9	800.7	799.6	799.2	800.2	799.9	800.3	798.9	799.9	799.9	798.3
9°	799.1	799.8	798.2	798.3	799.1	798.5	799.6	797.8	798.7	799.1	797.3
9.5°	798.0	798.3	796.9	797.2	798.0	797.0	798.0	796.8	797.3	798.3	796.4
10°	797.0	796.5	795.6	796.1	796.9	796.5	797.0	795.7	796.4	796.9	795.7
10.5°	796.0	795.6	794.0	794.7	796.5	795.0	795.5	794.3	794.7	795.4	794.1
11°	794.7	793.8	793.1	793.6	794.9	793.8	794.7	792.7	793.4	794.5	792.4
11.5°	793.3	792.7	791.2	791.8	793.4	792.8	793.7	791.3	791.7	792.4	791.1
12°	791.6	791.7	789.8	790.9	791.8	791.1	791.4	789.4	790.5	790.5	789.6
12.5°	789.9	790.4	788.8	789.0	790.6	790.0	789.7	788.0	788.8	788.8	787.7
13°	788.4	788.8	787.2	787.5	788.5	788.1	788.1	786.6	786.9	787.3	785.9
13.5°	786.6	787.3	786.0	785.2	787.0	785.8	785.5	784.6	785.6	786.0	784.3
14°	784.5	785.3	784.1	783.5	785.0	784.3	783.9	782.4	784.0	784.0	782.1
14.5°	782.1	783.2	782.4	781.5	782.7	782.4	782.6	780.6	781.4	782.4	779.8
15°	779.8	781.6	781.0	780.1	780.7	781.0	781.1	777.9	780.0	780.6	778.4
15.5°	777.3	779.6	779.4	777.3	778.7	778.7	778.9	776.1	777.4	778.5	776.3
16°	775.1	776.7	777.1	775.2	776.2	776.2	776.1	774.8	775.1	776.0	774.6
16.5°	772.8	774.1	774.9	773.4	774.5	774.1	773.8	772.8	773.0	773.7	772.7
17°	770.7	771.8	773.0	770.8	772.0	771.7	771.8	770.8	770.8	771.1	770.6
17.5°	768.2	769.3	770.8	768.0	769.5	769.3	769.8	768.3	768.0	769.1	768.3
18°	765.9	766.4	768.6	766.0	767.1	767.1	767.5	765.7	765.4	766.2	765.6
18.5°	763.4	764.2	766.4	763.8	765.1	764.5	764.9	763.9	763.0	764.2	763.1
19°	760.8	761.4	763.6	761.2	762.2	762.5	762.6	761.6	760.8	761.7	761.0
19.5°	758.3	758.8	761.1	758.2	759.7	760.2	760.0	758.8	758.9	759.3	758.9
20°	755.4	756.5	758.1	755.9	757.3	757.7	757.6	756.5	756.1	756.7	756.1
20.5°	753.1	754.3	755.8	753.0	755.1	755.4	755.0	753.6	753.6	753.7	753.7
21°	750.4	751.0	753.1	750.8	752.4	752.2	752.2	751.4	750.8	751.1	750.6
21.5°	747.5	748.4	750.1	747.6	749.4	749.0	748.9	748.5	747.7	748.3	747.6
22°	745.0	745.6	746.0	745.1	746.6	745.8	746.3	746.3	745.2	745.2	744.7

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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°	742.2	743.0	744.0	742.3	743.7	742.7	743.5	742.9	742.0	742.0	741.4
23°	739.4	740.1	740.9	739.1	740.9	739.9	740.6	739.6	739.4	738.9	738.0
23.5°	736.8	737.3	738.0	736.3	737.8	737.2	737.6	736.5	735.7	735.8	735.7
24°	734.0	734.2	734.5	733.4	734.7	734.5	734.8	733.6	732.8	733.4	732.4
24.5°	730.5	730.9	731.6	730.1	731.6	731.5	732.0	730.7	729.5	730.7	729.6
25°	726.7	728.1	728.6	726.7	727.9	728.3	728.6	727.6	726.0	726.9	726.2
25.5°	723.6	725.0	725.1	723.5	725.1	725.0	725.0	723.8	723.5	723.5	723.4
26°	719.6	721.3	721.5	719.6	721.9	721.8	722.0	720.5	720.0	720.8	720.1
26.5°	716.8	717.9	718.4	716.5	718.8	718.1	718.5	716.6	716.2	716.9	716.2
27°	713.5	714.8	714.4	713.7	715.6	714.7	715.6	713.8	712.8	713.4	713.3
27.5°	710.0	711.1	711.1	710.2	711.8	711.1	712.2	710.4	709.8	710.2	709.3
28°	706.2	707.1	707.3	706.5	708.3	707.9	708.0	706.6	705.8	706.9	706.2
28.5°	702.5	703.5	703.5	703.7	704.8	704.1	704.4	703.5	701.8	703.5	702.5
29°	698.7	700.0	700.3	699.7	700.6	700.2	700.6	699.7	697.8	699.8	698.2
29.5°	695.0	696.0	696.3	696.2	696.8	696.5	697.2	695.6	694.5	696.4	694.2
30°	691.2	692.1	692.5	692.3	693.3	693.1	693.5	692.1	690.7	691.9	690.3
30.5°	687.4	688.4	689.0	689.0	689.3	689.4	689.4	688.4	686.8	688.0	686.7
31°	683.8	684.2	684.4	685.3	685.1	685.5	685.0	684.4	682.7	684.2	683.0
31.5°	679.7	680.6	680.8	681.3	681.0	681.4	681.3	680.2	678.6	679.9	679.0
32°	675.3	676.8	676.9	677.0	676.8	677.5	677.4	676.1	674.5	675.9	675.1
32.5°	671.3	672.8	673.1	673.4	673.4	673.5	673.8	672.5	671.2	672.4	670.8
33°	666.6	668.5	668.5	669.2	669.4	669.2	669.5	668.3	667.1	668.4	667.1
33.5°	662.7	664.5	664.9	665.1	665.2	664.6	665.6	664.1	662.8	664.5	662.7
34°	658.6	660.5	660.4	660.9	660.9	660.5	661.6	659.4	658.4	659.5	658.5
34.5°	654.4	655.6	656.1	656.6	656.8	656.5	657.7	654.9	654.4	655.2	654.7
35°	649.6	650.3	651.4	652.1	652.3	652.4	653.6	651.2	650.1	650.6	650.0
35.5°	645.7	646.2	647.0	647.2	648.2	648.3	649.0	646.6	646.0	646.1	645.6
36°	641.2	641.9	642.2	643.0	643.6	643.3	644.6	642.0	641.3	641.7	641.2
36.5°	636.3	638.0	637.7	638.5	639.1	638.4	640.0	637.4	636.5	636.9	636.0
37°	631.3	633.0	633.5	634.0	634.5	634.4	635.5	632.3	631.6	632.6	631.9
37.5°	626.8	628.7	629.3	629.5	629.6	629.6	630.5	628.2	627.0	627.9	627.4
38°	622.2	624.3	624.4	624.5	625.1	624.6	625.4	623.7	623.0	623.6	623.0
38.5°	617.5	619.2	619.5	619.6	620.2	619.7	620.9	619.0	618.4	618.7	618.6
39°	612.7	614.7	614.5	614.8	615.5	615.0	616.1	614.0	613.7	613.8	613.3
39.5°	607.9	609.6	609.7	609.5	610.7	611.1	610.9	609.4	609.2	608.9	608.5
40°	602.9	604.2	604.7	604.7	605.6	606.5	606.2	605.1	604.0	604.2	603.8
40.5°	598.3	599.8	600.0	599.5	600.6	601.5	601.7	600.3	599.1	599.4	598.8
41°	593.1	594.9	595.1	594.8	596.2	596.6	596.5	595.3	593.7	594.5	593.9
41.5°	588.6	589.7	590.2	589.4	591.1	592.0	591.9	590.3	589.4	589.5	589.3
42°	583.3	584.5	585.1	584.5	585.6	586.7	586.5	585.5	584.9	584.2	584.2
42.5°	577.8	579.3	580.2	579.2	580.7	581.5	581.1	580.3	579.5	578.8	579.0
43°	572.7	574.1	575.2	574.1	575.8	576.2	576.0	575.0	574.2	573.6	574.0
43.5°	567.3	569.1	569.6	568.9	570.6	570.6	570.9	569.8	569.1	568.3	568.5
44°	562.0	563.8	564.4	563.9	565.3	565.5	565.7	564.7	563.7	563.1	563.4
44.5°	556.8	558.2	559.0	558.2	560.2	560.5	560.5	559.4	558.5	557.9	558.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	551.2	553.1	553.9	553.1	555.0	555.3	554.8	554.1	553.5	552.9	552.3
45.5°	545.4	547.5	548.8	547.7	549.9	550.0	549.3	549.0	547.9	547.4	546.7
46°	540.3	542.7	543.0	542.6	544.2	544.2	544.1	543.3	542.2	541.7	541.6
46.5°	535.4	537.1	537.4	537.2	538.7	538.8	539.0	537.7	536.8	536.9	535.9
47°	530.1	531.4	531.7	531.6	533.0	533.2	533.4	531.9	531.4	531.0	530.4
47.5°	524.8	526.3	526.0	525.8	527.5	528.0	527.6	526.4	525.9	525.4	524.5
48°	518.9	520.4	520.1	520.3	521.9	522.5	522.1	521.0	519.9	520.0	518.9
48.5°	513.0	514.7	514.7	514.4	516.5	516.5	516.5	515.5	514.1	514.3	513.6
49°	507.3	509.0	508.8	508.8	511.0	510.8	510.6	509.6	508.8	508.7	507.9
49.5°	501.6	503.4	503.2	502.9	505.3	504.8	505.0	504.3	502.9	503.4	502.1
50°	496.1	497.4	497.4	497.0	499.5	499.5	499.2	498.1	496.9	497.3	496.6
50.5°	489.6	491.7	491.6	491.3	493.6	493.5	493.4	492.5	491.2	491.4	490.9
51°	483.9	485.5	485.4	485.2	487.4	487.4	487.7	486.3	485.3	485.6	485.3
51.5°	477.9	479.7	479.8	479.5	481.6	481.4	481.8	480.4	479.3	479.7	478.7
52°	472.1	473.9	473.6	473.5	475.4	475.7	475.8	474.3	472.8	473.6	472.8
52.5°	465.9	467.6	467.6	467.6	469.7	470.0	469.7	468.4	467.1	468.1	466.8
53°	459.9	461.6	461.3	461.1	463.3	463.7	463.3	462.2	461.5	461.9	461.1
53.5°	453.6	455.3	455.1	454.8	457.1	457.3	457.0	456.6	455.3	456.3	454.8
54°	447.4	448.7	448.9	448.6	450.9	451.1	450.9	450.4	449.0	449.7	449.0
54.5°	440.8	442.3	442.8	442.6	444.9	444.9	444.7	443.8	442.7	443.3	443.0
55°	435.1	436.5	436.0	436.7	438.5	438.7	438.7	437.8	436.8	437.2	437.0
55.5°	429.1	430.1	430.0	430.1	432.1	432.8	431.9	431.1	430.5	431.4	430.6
56°	422.7	424.0	423.6	424.1	425.9	426.6	426.5	425.3	424.5	425.0	424.4
56.5°	416.4	417.5	417.4	417.7	419.6	420.2	420.1	418.7	417.9	418.5	417.8
57°	409.7	410.8	411.0	411.5	413.3	414.0	413.6	412.6	411.3	412.2	411.6
57.5°	402.9	404.2	404.5	404.8	406.9	407.1	407.2	406.0	405.1	405.7	405.4
58°	396.8	397.7	397.9	398.1	400.2	400.9	400.2	399.9	398.6	399.0	399.3
58.5°	390.2	391.5	391.6	391.6	393.8	394.6	393.2	393.2	392.2	392.5	392.7
59°	383.4	385.1	384.4	384.6	387.6	387.6	387.1	386.7	385.8	386.3	386.0
59.5°	376.9	378.1	377.8	378.1	381.1	380.8	380.5	380.0	378.9	379.8	379.4
60°	370.7	371.4	371.0	371.3	374.3	374.2	373.9	373.8	372.4	373.0	372.7
60.5°	364.5	364.7	364.6	364.3	367.6	367.6	366.8	366.8	365.3	366.3	366.1
61°	357.2	357.7	357.9	357.5	360.7	361.3	360.2	360.6	359.1	359.5	359.2
61.5°	350.5	351.1	351.4	350.6	353.9	354.6	353.5	353.7	352.6	353.2	352.5
62°	343.8	344.4	344.8	344.4	347.3	347.8	347.4	347.1	346.0	346.4	346.3
62.5°	337.0	337.2	337.9	337.2	340.1	340.8	340.4	340.2	339.0	339.5	339.2
63°	330.0	330.3	331.1	330.7	333.3	334.3	333.6	333.5	332.3	332.7	332.2
63.5°	323.2	323.8	324.1	323.8	326.5	327.4	326.8	326.8	325.7	325.8	325.6
64°	316.1	316.8	317.1	316.9	319.9	320.5	320.0	319.6	318.9	319.1	318.6
64.5°	309.6	310.3	310.5	309.9	312.9	313.1	312.8	312.4	311.9	311.9	311.7
65°	302.7	303.3	303.2	303.1	306.2	306.8	306.3	305.6	305.0	305.3	305.0
65.5°	295.7	296.1	296.2	295.7	299.6	299.2	298.9	298.5	297.9	298.5	298.3
66°	288.6	289.0	289.0	288.5	292.3	292.1	291.3	291.3	290.7	291.5	291.2
66.5°	281.2	281.9	281.5	281.5	285.1	285.0	284.7	284.3	284.0	284.6	283.9
67°	273.9	274.5	274.6	274.5	277.8	278.2	277.7	277.5	276.9	277.3	277.2

TEST NUMBER: P869695
 CATALOG NUMBER: SMX14SLSFSD2W-2000LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	267.0	267.6	267.5	267.4	270.6	271.0	270.4	270.2	269.9	270.3	269.9
68°	259.8	260.5	260.3	260.5	263.7	264.2	263.5	263.2	263.4	263.3	262.8
68.5°	252.7	253.2	253.2	253.1	256.7	257.1	256.4	256.1	256.4	256.3	255.6
69°	245.6	246.1	246.0	245.7	249.8	250.0	249.3	249.0	249.0	248.9	248.0
69.5°	238.1	238.7	238.9	238.6	242.3	242.7	242.1	241.6	241.7	241.7	241.2
70°	230.8	231.6	231.4	231.2	235.0	235.4	234.6	234.2	234.4	234.6	233.8
70.5°	223.6	224.3	223.7	224.1	228.0	228.4	227.6	227.4	227.6	227.3	226.9
71°	216.5	216.9	216.6	216.7	220.7	221.1	220.0	220.3	220.1	220.1	219.7
71.5°	209.5	209.8	209.4	209.2	213.3	213.6	213.0	212.8	213.1	212.6	212.3
72°	202.3	202.5	202.2	202.0	206.0	206.4	205.8	205.8	206.0	205.5	205.2
72.5°	194.7	195.5	195.2	194.5	198.9	199.1	198.8	198.4	198.7	198.3	197.9
73°	187.6	188.1	187.8	187.6	191.7	192.0	191.6	191.4	191.4	191.2	190.8
73.5°	180.5	181.0	180.5	180.5	184.6	185.0	184.8	184.4	184.3	184.1	183.9
74°	173.1	173.5	173.4	173.3	177.3	177.8	177.7	177.0	177.1	176.7	176.5
74.5°	165.9	166.6	166.0	166.1	170.1	170.6	170.0	169.9	169.8	169.8	169.5
75°	158.7	159.2	159.0	158.7	162.4	163.0	162.9	162.6	162.5	162.5	162.4
75.5°	151.6	151.7	151.6	151.4	155.2	155.9	155.4	155.4	155.3	155.3	155.2
76°	144.5	144.7	144.5	144.6	148.1	148.7	148.1	148.2	148.2	148.1	148.0
76.5°	137.2	137.5	137.6	137.2	141.1	141.3	141.0	141.2	141.1	141.0	141.1
77°	130.1	130.3	130.0	130.1	133.9	134.5	134.2	134.0	133.9	134.1	134.1
77.5°	123.1	123.6	123.3	123.3	126.7	127.2	126.9	127.0	126.9	127.1	127.1
78°	116.1	116.5	116.1	116.3	119.8	120.1	119.9	119.7	119.4	120.0	119.9
78.5°	109.3	109.5	109.2	109.4	113.2	113.2	113.2	112.8	112.5	113.0	113.1
79°	102.5	102.7	102.4	102.9	106.5	106.6	106.3	106.2	105.8	106.3	106.1
79.5°	95.7	96.0	95.8	96.0	99.8	99.7	99.4	99.4	99.1	99.6	99.6
80°	89.2	89.3	89.2	89.1	92.7	92.9	92.4	92.4	92.3	92.8	92.7
80.5°	82.5	82.6	82.5	82.3	85.9	86.4	86.0	85.9	85.7	86.1	86.2
81°	76.2	76.3	76.1	75.6	79.4	79.8	79.6	79.3	79.4	79.7	79.8
81.5°	69.8	69.9	69.7	69.4	72.9	73.2	72.9	72.8	72.8	73.2	73.3
82°	63.8	63.8	63.7	63.1	66.7	66.9	66.7	66.4	66.4	66.8	67.1
82.5°	57.7	57.8	57.5	57.2	60.7	60.9	60.7	60.5	60.4	60.8	61.2
83°	51.6	51.8	51.5	51.0	54.7	54.8	54.8	54.5	54.5	54.9	55.3
83.5°	45.9	46.1	45.8	45.6	48.5	48.9	48.6	48.6	48.6	48.9	49.3
84°	40.6	40.8	40.5	39.9	43.0	43.1	43.1	42.9	42.8	43.2	43.6
84.5°	35.5	35.5	35.4	35.0	37.6	38.0	37.6	37.5	37.4	37.7	38.1
85°	30.6	30.5	30.5	30.0	32.4	32.6	32.5	32.3	32.2	32.5	32.8
85.5°	26.0	26.0	26.0	25.6	27.4	27.5	27.4	27.4	27.3	27.5	27.9
86°	21.7	21.7	21.6	21.2	23.4	23.4	23.4	23.3	23.3	23.6	23.8
86.5°	17.6	17.7	17.6	17.2	19.5	19.5	19.6	19.3	19.4	19.7	19.8
87°	13.6	13.6	13.7	13.3	15.5	15.6	15.7	15.4	15.4	15.6	15.8
87.5°	10.0	9.9	9.9	9.6	11.9	11.9	11.9	11.8	11.7	12.0	12.2
88°	7.0	7.1	7.0	6.8	8.7	8.7	8.7	8.6	8.6	8.8	9.0
88.5°	4.6	4.7	4.6	4.4	5.9	6.2	5.9	5.7	5.6	6.0	6.1
89°	2.8	2.9	2.9	2.8	3.4	3.6	3.4	3.4	3.2	3.5	3.6
89.5°	1.6	1.6	1.6	1.5	1.7	1.8	1.7	1.5	1.4	1.6	1.7

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


NVLAP Lab Code: 200050-0



TEST NUMBER: P869695
CATALOG NUMBER: SMX14SLSFSD2W-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: P869695
 CATALOG NUMBER: SMX14SLSFSD2W-2000LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	809.4	809.4	809.4	809.4	809.4	809.4
0.5°	808.7	810.5	809.8	809.4	809.2	809.0
1°	808.5	810.2	810.5	809.0	808.7	809.0
1.5°	808.8	810.5	809.9	809.5	808.2	808.6
2°	808.2	809.7	809.3	809.0	808.4	808.5
2.5°	808.4	809.3	808.8	808.3	808.8	808.2
3°	808.0	808.3	808.1	808.1	808.4	807.1
3.5°	807.2	807.6	808.1	807.3	808.2	806.7
4°	807.1	807.2	808.0	806.5	807.3	806.6
4.5°	806.4	806.5	806.9	806.2	806.9	806.1
5°	805.1	806.1	805.8	805.9	805.8	805.5
5.5°	804.3	805.3	805.3	806.0	805.2	805.1
6°	803.1	804.4	804.0	804.9	804.5	804.6
6.5°	802.7	803.3	803.2	804.3	803.2	804.0
7°	801.7	802.5	802.2	802.9	802.2	803.1
7.5°	801.6	801.9	801.4	801.6	801.9	802.2
8°	800.0	801.1	799.9	800.7	800.4	800.7
8.5°	798.8	800.0	799.4	799.8	798.9	799.9
9°	797.5	798.5	798.4	798.3	798.0	799.1
9.5°	795.9	797.7	796.8	797.1	796.8	798.0
10°	795.2	796.2	795.2	795.8	795.9	797.0
10.5°	793.6	794.7	794.2	794.5	795.1	796.0
11°	792.2	792.7	793.2	792.9	793.4	794.7
11.5°	790.7	791.0	792.1	790.8	792.2	793.3
12°	789.0	789.6	790.6	789.5	790.7	791.6
12.5°	787.6	788.0	788.8	788.7	790.0	789.9
13°	786.3	786.4	787.2	786.8	788.0	788.4
13.5°	784.5	784.4	785.0	785.5	786.1	786.6
14°	782.8	782.1	782.8	784.4	784.4	784.5
14.5°	780.5	780.1	780.4	782.2	782.1	782.1
15°	778.7	778.3	778.1	780.6	779.8	779.8
15.5°	776.5	776.3	776.3	779.0	777.7	777.3
16°	774.6	774.3	773.9	777.1	774.8	775.1
16.5°	772.4	772.1	772.1	774.9	772.9	772.8
17°	770.1	769.9	769.9	772.2	770.6	770.7
17.5°	767.8	767.9	767.3	769.8	767.9	768.2
18°	765.4	765.5	765.3	767.6	765.8	765.9
18.5°	763.2	763.3	762.9	764.6	762.9	763.4
19°	761.0	761.0	760.6	762.1	760.1	760.8
19.5°	758.1	758.4	758.6	759.4	757.7	758.3
20°	755.6	755.6	756.6	756.6	755.3	755.4
20.5°	752.7	752.9	754.0	754.0	753.1	753.1
21°	750.1	750.0	751.2	751.5	750.5	750.4
21.5°	747.3	747.2	748.9	748.6	748.3	747.5
22°	744.8	744.8	746.5	745.7	745.3	745.0

TEST NUMBER: P869695
 CATALOG NUMBER: SMX14SLSFSD2W-2000LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	741.3	741.5	743.2	742.5	742.3	742.2
23°	738.7	738.7	739.8	739.2	739.3	739.4
23.5°	736.1	735.6	737.5	736.4	736.5	736.8
24°	733.0	732.3	734.6	732.8	732.9	734.0
24.5°	729.7	729.2	730.3	730.1	729.7	730.5
25°	726.1	726.1	727.2	726.3	726.1	726.7
25.5°	722.9	722.9	723.8	723.2	722.9	723.6
26°	719.0	719.5	719.8	719.4	719.3	719.6
26.5°	715.7	715.8	716.5	715.7	715.7	716.8
27°	712.4	712.4	713.3	712.4	712.4	713.5
27.5°	709.4	708.8	710.0	708.8	708.8	710.0
28°	705.6	704.9	706.4	705.2	705.0	706.2
28.5°	702.1	701.1	702.9	702.2	701.9	702.5
29°	698.3	697.6	699.4	698.2	697.8	698.7
29.5°	694.3	693.5	695.9	694.5	694.1	695.0
30°	690.5	689.9	692.1	690.6	689.9	691.2
30.5°	686.4	686.6	688.1	686.1	685.9	687.4
31°	682.3	682.3	683.4	682.5	682.1	683.8
31.5°	678.5	678.4	679.0	678.7	678.2	679.7
32°	674.6	674.7	674.7	674.4	673.8	675.3
32.5°	670.9	670.3	671.0	671.0	670.1	671.3
33°	666.8	666.8	666.7	666.7	665.9	666.6
33.5°	662.6	662.4	662.9	662.3	661.9	662.7
34°	658.1	658.0	658.1	658.5	657.3	658.6
34.5°	654.2	653.4	654.0	654.4	653.1	654.4
35°	650.1	648.7	649.2	650.0	648.9	649.6
35.5°	645.7	644.1	644.8	645.6	644.6	645.7
36°	641.0	639.9	640.4	640.9	639.9	641.2
36.5°	636.5	635.4	635.7	636.1	635.8	636.3
37°	631.9	631.0	631.2	631.5	631.3	631.3
37.5°	627.4	625.9	626.4	627.2	626.7	626.8
38°	623.0	621.0	621.8	622.4	622.5	622.2
38.5°	618.6	616.1	617.5	617.1	617.5	617.5
39°	613.8	611.8	612.7	612.6	612.5	612.7
39.5°	609.0	607.1	608.1	607.8	607.8	607.9
40°	603.9	602.4	603.2	602.9	602.6	602.9
40.5°	598.7	597.8	598.1	597.9	598.1	598.3
41°	593.8	593.5	593.4	593.3	593.1	593.1
41.5°	588.7	588.2	588.6	588.6	588.9	588.6
42°	583.7	583.1	583.4	583.6	584.2	583.3
42.5°	578.6	577.6	578.5	578.3	578.1	577.8
43°	573.5	572.5	572.9	573.1	572.7	572.7
43.5°	568.7	567.1	568.2	567.6	567.5	567.3
44°	563.3	561.6	563.1	562.2	562.1	562.0
44.5°	558.2	556.7	557.4	556.9	557.6	556.8

TEST NUMBER: P869695
 CATALOG NUMBER: SMX14SLSFSD2W-2000LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	552.8	551.2	552.1	551.7	551.9	551.2
45.5°	547.6	545.7	546.6	546.2	545.8	545.4
46°	542.0	540.4	541.1	541.0	540.3	540.3
46.5°	536.3	534.6	536.0	535.3	534.7	535.4
47°	530.8	528.8	530.8	530.0	529.6	530.1
47.5°	525.2	523.1	525.2	524.2	524.5	524.8
48°	519.5	517.7	519.3	518.5	519.2	518.9
48.5°	514.3	512.3	513.6	512.8	513.5	513.0
49°	508.0	506.7	507.8	507.0	506.8	507.3
49.5°	502.5	501.0	502.2	501.2	500.9	501.6
50°	496.9	495.3	496.2	495.5	495.8	496.1
50.5°	491.1	489.4	490.2	489.6	489.6	489.6
51°	485.5	483.5	484.4	483.8	483.4	483.9
51.5°	479.4	477.2	478.1	477.8	477.1	477.9
52°	473.5	471.4	472.4	471.9	471.2	472.1
52.5°	467.1	465.0	466.3	466.2	465.3	465.9
53°	461.4	459.4	459.9	460.0	459.4	459.9
53.5°	455.4	453.4	454.0	453.8	453.2	453.6
54°	449.4	447.2	447.3	447.5	447.5	447.4
54.5°	443.1	441.0	441.5	440.7	440.7	440.8
55°	436.9	435.3	435.3	434.4	434.7	435.1
55.5°	430.7	429.0	429.2	428.1	428.5	429.1
56°	425.1	422.6	422.9	421.7	422.3	422.7
56.5°	418.4	416.2	416.4	415.7	416.1	416.4
57°	412.0	409.5	410.1	409.1	409.5	409.7
57.5°	405.5	403.3	403.7	402.9	402.9	402.9
58°	399.3	396.7	396.8	397.1	396.3	396.8
58.5°	392.7	390.3	390.3	390.6	390.4	390.2
59°	386.2	383.6	383.6	384.0	383.9	383.4
59.5°	379.3	377.1	376.9	377.1	377.4	376.9
60°	372.4	370.6	370.4	370.4	370.4	370.7
60.5°	366.2	364.0	363.8	363.6	363.3	364.5
61°	359.8	357.1	357.4	356.6	356.7	357.2
61.5°	353.1	350.2	350.9	349.7	350.3	350.5
62°	346.2	343.9	344.1	343.0	343.2	343.8
62.5°	339.4	336.9	337.2	336.4	336.2	337.0
63°	332.6	329.9	330.2	329.9	329.4	330.0
63.5°	325.5	323.0	323.5	322.6	322.4	323.2
64°	319.2	315.9	316.4	315.7	315.6	316.1
64.5°	311.7	309.2	309.7	309.1	308.9	309.6
65°	305.2	302.0	302.5	302.0	301.8	302.7
65.5°	298.1	295.2	295.4	294.9	295.1	295.7
66°	290.8	287.9	288.0	288.1	288.1	288.6
66.5°	283.8	280.8	281.0	280.9	281.4	281.2
67°	277.2	273.5	274.1	273.6	274.7	273.9

TEST NUMBER: P869695
 CATALOG NUMBER: SMX14SLSFSD2W-2000LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	269.8	266.5	267.5	266.7	267.5	267.0
68°	262.8	259.4	260.2	259.4	259.7	259.8
68.5°	255.6	252.9	253.0	252.5	252.6	252.7
69°	248.4	245.7	246.0	245.7	245.7	245.6
69.5°	241.2	238.4	238.9	238.4	238.5	238.1
70°	234.0	231.0	231.4	231.1	231.2	230.8
70.5°	227.4	223.9	224.2	224.1	224.2	223.6
71°	220.3	216.2	216.7	216.8	216.8	216.5
71.5°	212.8	209.3	209.7	209.3	209.3	209.5
72°	205.6	202.2	202.2	202.1	201.8	202.3
72.5°	198.4	195.0	195.1	195.0	194.3	194.7
73°	191.6	187.7	188.3	187.8	187.3	187.6
73.5°	184.4	180.5	181.2	180.6	180.4	180.5
74°	177.4	173.3	173.7	173.0	173.1	173.1
74.5°	170.1	166.1	166.4	165.9	165.6	165.9
75°	162.9	158.9	159.1	158.7	158.3	158.7
75.5°	155.5	151.8	151.9	151.3	151.1	151.6
76°	148.5	144.6	144.7	144.3	144.1	144.5
76.5°	141.5	137.2	137.5	137.3	137.1	137.2
77°	134.4	130.3	130.3	129.9	129.9	130.1
77.5°	127.2	123.7	123.3	123.2	123.3	123.1
78°	120.1	116.6	116.1	116.2	116.2	116.1
78.5°	113.2	109.9	109.3	109.3	109.4	109.3
79°	106.4	103.1	102.5	102.6	103.0	102.5
79.5°	99.7	96.0	96.0	95.8	96.2	95.7
80°	92.9	89.3	89.3	89.1	89.5	89.2
80.5°	86.4	82.8	82.8	82.8	82.6	82.5
81°	79.9	76.3	76.4	76.4	76.2	76.2
81.5°	73.3	69.9	70.2	70.3	69.8	69.8
82°	67.1	63.9	64.0	64.1	63.6	63.8
82.5°	61.2	57.8	58.1	57.8	57.5	57.7
83°	55.3	52.1	52.2	52.1	51.5	51.6
83.5°	49.3	46.4	46.4	46.3	45.8	45.9
84°	43.6	41.0	41.0	40.9	40.6	40.6
84.5°	38.1	35.6	35.7	35.6	35.5	35.5
85°	33.0	30.7	30.9	30.6	30.6	30.6
85.5°	27.9	26.2	26.3	26.2	26.2	26.0
86°	24.0	21.8	22.0	22.0	21.8	21.7
86.5°	19.9	17.7	18.0	17.8	17.7	17.6
87°	16.0	13.8	14.0	13.9	13.8	13.6
87.5°	12.4	10.0	10.2	10.2	10.1	10.0
88°	9.1	7.1	7.3	7.2	7.2	7.0
88.5°	6.2	4.6	4.8	4.8	4.8	4.6
89°	3.8	2.7	2.9	2.9	2.9	2.8
89.5°	1.9	1.5	1.6	1.6	1.6	1.6

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



TEST NUMBER: P869695
CATALOG NUMBER: SMX14SLSFSD2W-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)