

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: P869694

Luminaire Tested: **SMX14SLSFSD2W-2000LM-4000K**

Issue Date: 8/29/2024

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P869694
 Test Lab:
 Issue Date: 8/29/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: SMX14SLSFSD2W-2000LM-4000K
 Description: 14IN SQUARE, 90CRI, DIMMING TO 10%, DAMP LOCATION
 Light Source: SELECTABLE CCT 90CRI / 4000K CCT
 Ballast/Driver: -

Summary

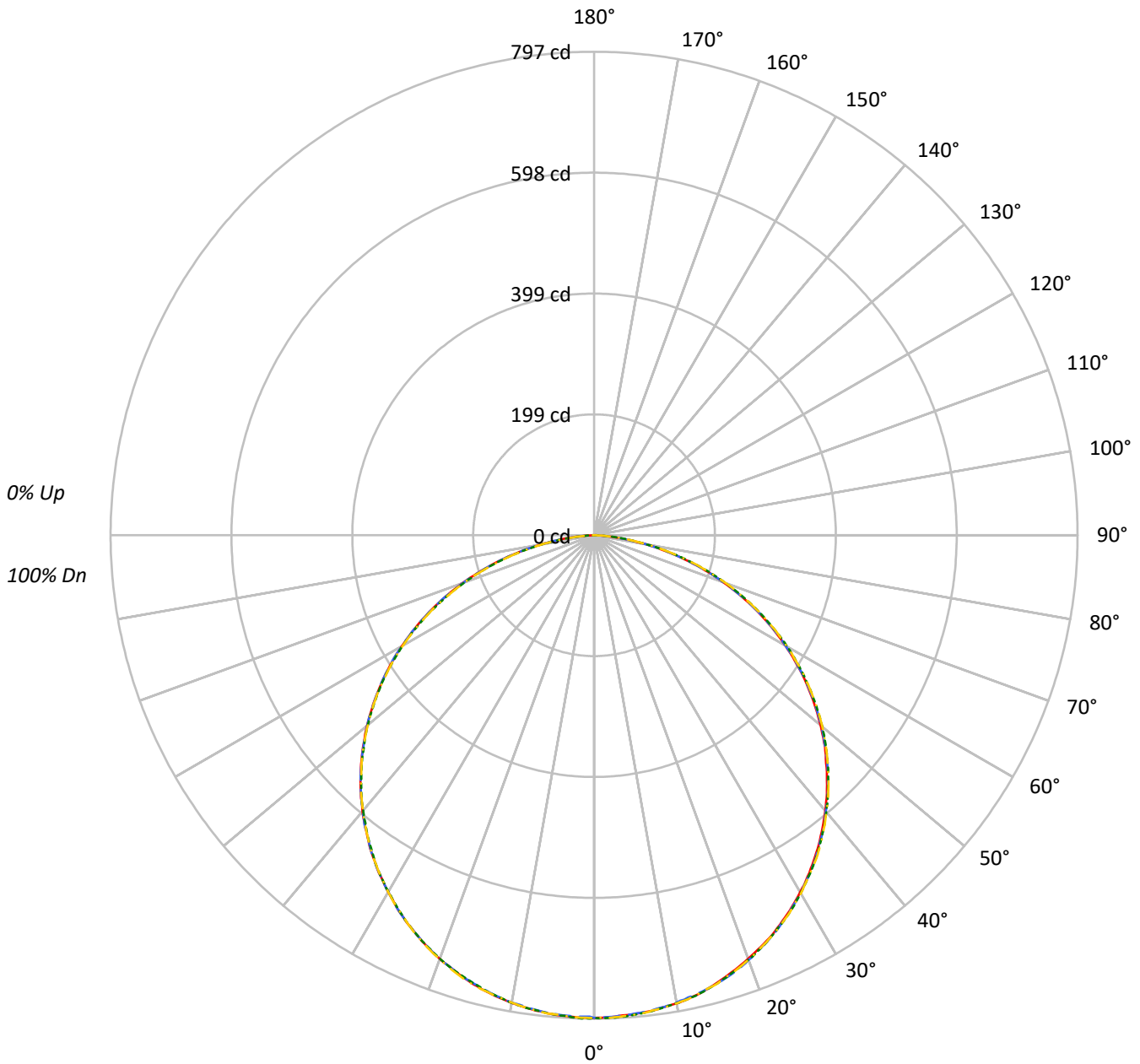
Lumens per Lamp: N/A
 Luminaire Lumens: 2325.0 lumens
 Efficiency: N/A
 Efficacy: 88.4 lumens/watt
 Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
 Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
 CIE Type: Direct

Input Watts (W): 26.3
 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	25	24	24	24

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	6289	6289	6289	6289
5°	6283	6292	6289	6288
10°	6288	6287	6283	6282
15°	6273	6280	6274	6261
20°	6247	6262	6252	6248
25°	6230	6241	6224	6225
30°	6201	6221	6197	6190
35°	6162	6187	6166	6154
40°	6115	6143	6127	6110
45°	6057	6098	6082	6057
50°	5997	6039	6007	5987
55°	5894	5940	5917	5896
60°	5760	5817	5787	5759
65°	5566	5629	5609	5553
70°	5243	5340	5327	5248
75°	4764	4877	4880	4770
80°	3992	4146	4128	3996
85°	2721	2884	2866	2730

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	75.3	3.2
10°-20°	216.4	9.3
20°-30°	329.5	14.2
30°-40°	400.1	17.2
40°-50°	419.3	18.0
50°-60°	383.4	16.5
60°-70°	295.2	12.7
70°-80°	167.0	7.2
80°-90°	38.8	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°	621.2	26.7
0°-40°	1021.3	43.9
0°-60°	1824.0	78.5
0°-90°	2325.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2325.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	796	796	796	796	796	
5°	792	793	793	792	792	75
15°	767	768	767	765	767	216
25°	714	716	714	714	714	329
35°	639	641	639	638	639	400
45°	542	546	544	542	542	418
55°	428	431	429	428	428	382
65°	298	301	300	297	298	294
75°	156	160	160	156	156	165
85°	30	32	32	30	30	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°	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7	795.7
0.5°	795.3	796.7	794.6	795.5	796.3	795.8	795.9	795.8	795.4	796.3	793.7
1°	795.3	796.9	795.0	795.1	796.3	795.6	795.5	795.3	795.6	795.6	793.9
1.5°	794.9	796.1	794.6	794.7	796.2	795.3	796.0	794.8	795.2	795.7	794.0
2°	794.8	795.9	794.3	794.8	795.9	794.9	795.7	794.6	795.4	795.9	793.9
2.5°	794.5	795.8	794.2	794.1	796.0	795.2	795.3	794.5	794.6	795.7	793.7
3°	793.4	795.5	793.4	793.8	795.2	794.7	794.9	794.4	794.3	794.9	793.5
3.5°	793.0	794.7	793.5	793.5	794.9	794.0	794.3	794.0	793.9	794.8	793.2
4°	792.9	794.0	792.7	792.7	794.8	793.9	793.9	793.9	793.5	794.1	793.0
4.5°	792.5	793.7	792.2	792.4	793.7	793.3	793.4	793.0	793.4	794.5	792.0
5°	791.9	793.2	791.2	792.2	793.0	792.8	793.2	792.4	792.7	793.4	791.8
5.5°	791.5	792.4	791.0	791.4	792.4	792.3	792.8	791.3	791.9	792.6	791.2
6°	791.0	791.6	790.3	790.8	791.8	791.0	791.8	790.8	791.0	791.5	790.5
6.5°	790.4	791.4	789.3	789.9	791.0	789.7	791.0	790.2	789.9	790.7	789.3
7°	789.5	790.4	788.6	789.2	789.9	789.3	789.4	789.0	789.5	789.6	788.3
7.5°	788.6	789.2	787.2	787.9	788.9	788.2	788.6	788.0	788.4	789.0	787.4
8°	787.2	788.1	786.4	787.0	787.8	787.1	787.8	787.1	787.5	788.0	786.2
8.5°	786.4	787.2	786.1	785.7	786.7	786.4	786.8	785.4	786.4	786.4	784.8
9°	785.6	786.3	784.7	784.8	785.6	785.0	786.1	784.3	785.2	785.6	783.8
9.5°	784.5	784.8	783.4	783.7	784.5	783.5	784.5	783.3	783.8	784.8	782.9
10°	783.5	783.0	782.1	782.6	783.4	783.0	783.5	782.2	782.9	783.4	782.2
10.5°	782.5	782.1	780.6	781.2	783.0	781.5	782.0	780.9	781.2	781.9	780.7
11°	781.2	780.4	779.7	780.2	781.4	780.4	781.2	779.3	780.0	781.0	779.0
11.5°	779.9	779.3	777.8	778.4	780.0	779.4	780.3	777.9	778.3	779.0	777.7
12°	778.2	778.3	776.5	777.5	778.4	777.7	778.0	776.1	777.1	777.1	776.3
12.5°	776.6	777.0	775.5	775.7	777.2	776.7	776.4	774.7	775.5	775.5	774.4
13°	775.1	775.5	773.9	774.2	775.2	774.8	774.8	773.3	773.6	774.0	772.6
13.5°	773.3	774.0	772.7	771.9	773.7	772.5	772.2	771.3	772.3	772.7	771.0
14°	771.2	772.0	770.8	770.2	771.7	771.0	770.6	769.1	770.7	770.7	768.9
14.5°	768.9	769.9	769.1	768.3	769.4	769.1	769.3	767.4	768.2	769.1	766.6
15°	766.6	768.4	767.8	766.9	767.5	767.8	767.9	764.8	766.8	767.4	765.3
15.5°	764.2	766.4	766.2	764.2	765.6	765.6	765.7	763.0	764.3	765.4	763.2
16°	762.0	763.6	764.0	762.1	763.1	763.1	763.0	761.7	762.0	762.9	761.5
16.5°	759.7	761.0	761.8	760.3	761.4	761.0	760.7	759.7	759.9	760.6	759.6
17°	757.6	758.7	759.9	757.7	758.9	758.6	758.7	757.7	757.7	758.0	757.5
17.5°	755.2	756.3	757.7	755.0	756.5	756.3	756.8	755.3	755.0	756.1	755.3
18°	753.0	753.5	755.6	753.1	754.2	754.2	754.5	752.8	752.5	753.3	752.7
18.5°	750.5	751.3	753.5	750.9	752.2	751.6	752.0	751.0	750.1	751.3	750.2
19°	747.9	748.5	750.7	748.3	749.3	749.6	749.7	748.7	747.9	748.8	748.1
19.5°	745.4	745.9	748.2	745.3	746.8	747.3	747.1	745.9	746.0	746.4	746.0
20°	742.7	743.7	745.2	743.1	744.5	744.9	744.8	743.7	743.3	743.9	743.3
20.5°	740.4	741.6	743.0	740.3	742.4	742.7	742.3	740.9	740.9	741.0	741.0
21°	737.7	738.3	740.4	738.1	739.7	739.5	739.5	738.7	738.1	738.4	737.9
21.5°	734.8	735.7	737.4	734.9	736.7	736.3	736.2	735.8	735.0	735.6	734.9
22°	732.4	733.0	733.3	732.5	733.9	733.2	733.6	733.6	732.6	732.6	732.1

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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°	729.7	730.5	731.5	729.8	731.2	730.2	731.0	730.4	729.5	729.5	728.9
23°	726.9	727.6	728.4	726.6	728.4	727.4	728.1	727.1	726.9	726.4	725.5
23.5°	724.3	724.8	725.5	723.8	725.3	724.7	725.1	724.0	723.2	723.3	723.2
24°	721.5	721.7	722.0	721.0	722.2	722.0	722.3	721.2	720.4	721.0	720.1
24.5°	718.2	718.6	719.3	717.8	719.3	719.2	719.7	718.4	717.2	718.4	717.3
25°	714.4	715.8	716.3	714.4	715.6	716.0	716.3	715.3	713.7	714.6	713.9
25.5°	711.3	712.7	712.8	711.2	712.8	712.7	712.7	711.5	711.2	711.2	711.1
26°	707.5	709.1	709.3	707.5	709.6	709.5	709.7	708.4	707.9	708.7	708.0
26.5°	704.7	705.8	706.3	704.4	706.7	706.0	706.4	704.5	704.1	704.8	704.1
27°	701.4	702.7	702.3	701.6	703.5	702.6	703.5	701.7	700.7	701.3	701.2
27.5°	697.9	699.0	699.0	698.1	699.7	699.0	700.1	698.3	697.7	698.1	697.4
28°	694.3	695.2	695.4	694.6	696.4	696.0	696.1	694.7	693.9	695.0	694.3
28.5°	690.6	691.6	691.6	691.8	692.9	692.2	692.5	691.6	689.9	691.6	690.6
29°	686.8	688.1	688.4	687.8	688.7	688.3	688.7	687.8	686.0	687.9	686.3
29.5°	683.3	684.3	684.6	684.5	685.1	684.8	685.5	683.9	682.8	684.7	682.5
30°	679.5	680.4	680.8	680.6	681.6	681.4	681.8	680.4	679.0	680.2	678.6
30.5°	675.7	676.7	677.3	677.3	677.6	677.7	677.7	676.7	675.1	676.3	675.0
31°	672.3	672.7	672.9	673.7	673.6	673.9	673.5	672.9	671.2	672.7	671.5
31.5°	668.2	669.1	669.3	669.8	669.5	669.9	669.8	668.7	667.1	668.4	667.5
32°	663.8	665.3	665.4	665.5	665.3	666.0	665.9	664.6	663.1	664.4	663.6
32.5°	660.0	661.5	661.7	662.0	662.0	662.1	662.4	661.2	659.9	661.1	659.5
33°	655.3	657.2	657.2	657.9	658.1	657.9	658.2	657.0	655.8	657.1	655.8
33.5°	651.5	653.2	653.6	653.8	653.9	653.3	654.3	652.8	651.6	653.2	651.5
34°	647.5	649.4	649.3	649.8	649.8	649.4	650.4	648.3	647.3	648.4	647.4
34.5°	643.3	644.5	645.0	645.5	645.7	645.4	646.6	643.8	643.3	644.1	643.6
35°	638.6	639.3	640.4	641.0	641.2	641.3	642.5	640.2	639.1	639.6	639.0
35.5°	634.8	635.3	636.1	636.3	637.3	637.4	638.0	635.7	635.1	635.2	634.7
36°	630.3	631.0	631.3	632.1	632.7	632.4	633.7	631.1	630.4	630.8	630.3
36.5°	625.6	627.2	626.9	627.7	628.3	627.6	629.2	626.6	625.8	626.1	625.3
37°	620.6	622.3	622.8	623.3	623.8	623.7	624.8	621.6	620.9	621.9	621.2
37.5°	616.2	618.1	618.6	618.8	618.9	618.9	619.8	617.6	616.4	617.3	616.8
38°	611.7	613.8	613.9	614.0	614.5	614.0	614.8	613.2	612.5	613.1	612.5
38.5°	607.0	608.7	609.0	609.1	609.7	609.2	610.4	608.5	607.9	608.2	608.1
39°	602.3	604.3	604.1	604.4	605.1	604.6	605.7	603.6	603.3	603.4	602.9
39.5°	597.6	599.3	599.4	599.2	600.4	600.8	600.6	599.1	598.9	598.6	598.2
40°	592.7	594.0	594.5	594.5	595.4	596.2	595.9	594.9	593.8	594.0	593.6
40.5°	588.2	589.7	589.9	589.4	590.4	591.3	591.5	590.2	589.0	589.3	588.7
41°	583.1	584.8	585.0	584.7	586.1	586.5	586.4	585.2	583.7	584.4	583.9
41.5°	578.6	579.7	580.2	579.4	581.1	582.0	581.9	580.3	579.4	579.5	579.3
42°	573.4	574.6	575.2	574.6	575.7	576.8	576.6	575.6	575.0	574.3	574.3
42.5°	568.0	569.5	570.4	569.4	570.9	571.7	571.3	570.5	569.7	569.0	569.2
43°	563.0	564.4	565.5	564.4	566.1	566.4	566.3	565.3	564.5	563.9	564.3
43.5°	557.7	559.5	560.0	559.3	561.0	561.0	561.3	560.2	559.5	558.7	558.9
44°	552.5	554.3	554.8	554.4	555.7	555.9	556.1	555.1	554.2	553.6	553.9
44.5°	547.4	548.8	549.6	548.8	550.7	551.0	551.0	550.0	549.1	548.5	548.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	541.9	543.7	544.5	543.7	545.6	545.9	545.4	544.7	544.1	543.5	542.9
45.5°	536.2	538.3	539.5	538.5	540.6	540.7	540.0	539.7	538.7	538.2	537.5
46°	531.1	533.5	533.8	533.4	535.0	535.0	534.9	534.1	533.0	532.5	532.4
46.5°	526.4	528.0	528.3	528.1	529.6	529.7	529.9	528.6	527.7	527.8	526.9
47°	521.1	522.4	522.7	522.6	524.0	524.2	524.4	522.9	522.4	522.0	521.4
47.5°	516.0	517.4	517.1	516.9	518.6	519.0	518.6	517.5	517.0	516.5	515.7
48°	510.1	511.6	511.3	511.5	513.1	513.7	513.3	512.2	511.1	511.2	510.1
48.5°	504.4	506.0	506.0	505.7	507.7	507.7	507.7	506.7	505.4	505.6	504.9
49°	498.7	500.4	500.2	500.2	502.4	502.2	502.0	501.0	500.2	500.1	499.3
49.5°	493.2	494.8	494.7	494.4	496.7	496.2	496.4	495.7	494.4	494.8	493.6
50°	487.7	489.0	489.0	488.6	491.1	491.1	490.8	489.7	488.5	488.9	488.2
50.5°	481.4	483.3	483.2	482.9	485.2	485.1	485.0	484.1	482.9	483.0	482.6
51°	475.7	477.3	477.2	477.0	479.2	479.2	479.5	478.1	477.1	477.4	477.1
51.5°	469.9	471.5	471.6	471.3	473.4	473.2	473.6	472.2	471.1	471.5	470.7
52°	464.1	465.9	465.6	465.5	467.4	467.7	467.8	466.3	464.8	465.6	464.8
52.5°	458.1	459.6	459.6	459.6	461.7	462.0	461.7	460.4	459.2	460.1	459.0
53°	452.1	453.8	453.5	453.3	455.5	455.9	455.5	454.4	453.7	454.1	453.3
53.5°	446.0	447.6	447.4	447.1	449.3	449.5	449.2	448.8	447.6	448.5	447.1
54°	439.8	441.1	441.3	441.0	443.3	443.5	443.3	442.8	441.4	442.1	441.4
54.5°	433.4	434.9	435.3	435.2	437.3	437.3	437.1	436.3	435.2	435.8	435.5
55°	427.7	429.1	428.6	429.3	431.1	431.3	431.3	430.4	429.4	429.8	429.6
55.5°	421.9	422.9	422.8	422.9	424.8	425.4	424.6	423.8	423.2	424.1	423.3
56°	415.5	416.8	416.4	416.9	418.7	419.4	419.3	418.1	417.3	417.8	417.2
56.5°	409.4	410.5	410.4	410.7	412.5	413.1	413.0	411.6	410.9	411.4	410.8
57°	402.7	403.8	404.0	404.5	406.3	407.0	406.6	405.6	404.3	405.2	404.6
57.5°	396.1	397.4	397.7	398.0	400.0	400.2	400.3	399.2	398.3	398.9	398.6
58°	390.1	391.0	391.2	391.3	393.4	394.1	393.4	393.1	391.8	392.2	392.5
58.5°	383.6	384.9	385.0	385.0	387.2	387.9	386.6	386.6	385.6	385.9	386.1
59°	376.9	378.6	377.9	378.1	381.0	381.0	380.5	380.1	379.3	379.8	379.5
59.5°	370.5	371.7	371.4	371.7	374.7	374.4	374.1	373.6	372.5	373.4	373.0
60°	364.4	365.1	364.7	365.0	368.0	367.9	367.6	367.5	366.1	366.7	366.4
60.5°	358.3	358.5	358.4	358.1	361.4	361.4	360.6	360.6	359.1	360.1	359.9
61°	351.2	351.7	351.8	351.5	354.6	355.2	354.1	354.5	353.0	353.4	353.1
61.5°	344.6	345.2	345.5	344.7	347.9	348.6	347.5	347.7	346.6	347.2	346.5
62°	338.0	338.6	339.0	338.6	341.4	341.9	341.5	341.2	340.1	340.5	340.4
62.5°	331.3	331.5	332.2	331.5	334.4	335.0	334.6	334.5	333.3	333.8	333.5
63°	324.4	324.7	325.5	325.1	327.7	328.6	327.9	327.9	326.7	327.1	326.6
63.5°	317.7	318.3	318.6	318.3	321.0	321.9	321.3	321.3	320.2	320.3	320.1
64°	310.8	311.5	311.8	311.6	314.5	315.1	314.6	314.2	313.5	313.7	313.2
64.5°	304.3	305.0	305.2	304.6	307.6	307.8	307.5	307.1	306.6	306.6	306.4
65°	297.6	298.2	298.1	298.0	301.0	301.6	301.1	300.5	299.9	300.2	299.9
65.5°	290.7	291.1	291.2	290.7	294.5	294.1	293.8	293.4	292.8	293.4	293.2
66°	283.7	284.1	284.1	283.6	287.4	287.2	286.4	286.4	285.8	286.6	286.3
66.5°	276.5	277.2	276.8	276.8	280.2	280.2	279.9	279.5	279.2	279.8	279.1
67°	269.2	269.8	269.9	269.8	273.1	273.5	273.0	272.8	272.2	272.6	272.5

TEST NUMBER: P869694
 CATALOG NUMBER: SMX14SLSFSD2W-2000LM-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	262.5	263.1	263.0	262.9	266.1	266.5	265.9	265.7	265.4	265.8	265.4
68°	255.4	256.1	255.9	256.1	259.2	259.7	259.0	258.7	258.9	258.8	258.3
68.5°	248.4	248.9	248.9	248.8	252.4	252.8	252.1	251.8	252.1	252.0	251.3
69°	241.5	242.0	241.9	241.6	245.5	245.7	245.0	244.7	244.7	244.6	243.9
69.5°	234.0	234.6	234.8	234.5	238.2	238.6	238.0	237.5	237.6	237.6	237.1
70°	226.9	227.7	227.5	227.3	231.1	231.5	230.7	230.3	230.5	230.7	229.9
70.5°	219.9	220.6	220.0	220.4	224.1	224.5	223.7	223.5	223.7	223.4	223.0
71°	212.8	213.2	212.9	213.0	217.0	217.4	216.3	216.6	216.4	216.4	216.0
71.5°	206.0	206.3	205.9	205.7	209.7	209.9	209.4	209.2	209.5	209.0	208.7
72°	198.8	199.0	198.7	198.5	202.5	202.9	202.3	202.3	202.5	202.0	201.7
72.5°	191.4	192.2	191.9	191.2	195.6	195.8	195.5	195.1	195.4	195.0	194.6
73°	184.5	184.9	184.7	184.5	188.4	188.7	188.3	188.1	188.1	187.9	187.5
73.5°	177.4	177.9	177.4	177.4	181.5	181.9	181.7	181.3	181.2	181.0	180.8
74°	170.2	170.6	170.5	170.4	174.3	174.8	174.7	174.0	174.1	173.7	173.5
74.5°	163.1	163.8	163.2	163.3	167.2	167.7	167.1	167.0	166.9	166.9	166.6
75°	156.0	156.5	156.3	156.0	159.7	160.3	160.2	159.9	159.8	159.8	159.7
75.5°	149.0	149.1	149.0	148.9	152.6	153.2	152.8	152.8	152.7	152.7	152.6
76°	142.0	142.2	142.0	142.1	145.6	146.2	145.6	145.7	145.7	145.6	145.5
76.5°	134.9	135.2	135.3	134.9	138.7	138.9	138.6	138.8	138.7	138.6	138.7
77°	127.9	128.1	127.8	127.9	131.6	132.2	131.9	131.7	131.6	131.8	131.8
77.5°	121.0	121.5	121.2	121.2	124.6	125.1	124.8	124.9	124.8	125.0	125.0
78°	114.1	114.5	114.1	114.3	117.8	118.1	117.9	117.7	117.4	118.0	117.9
78.5°	107.5	107.7	107.4	107.6	111.3	111.3	111.3	110.9	110.6	111.1	111.2
79°	100.8	101.0	100.7	101.2	104.7	104.8	104.5	104.4	104.0	104.5	104.3
79.5°	94.1	94.4	94.2	94.4	98.1	98.0	97.7	97.7	97.4	97.9	97.9
80°	87.7	87.8	87.7	87.6	91.1	91.3	90.8	90.8	90.7	91.2	91.1
80.5°	81.1	81.2	81.1	80.9	84.5	85.0	84.6	84.5	84.3	84.7	84.8
81°	74.9	75.0	74.8	74.3	78.0	78.4	78.2	77.9	78.0	78.3	78.4
81.5°	68.6	68.7	68.5	68.2	71.7	72.0	71.7	71.6	71.6	72.0	72.1
82°	62.7	62.7	62.6	62.1	65.6	65.7	65.6	65.3	65.3	65.6	65.9
82.5°	56.7	56.8	56.5	56.2	59.7	59.9	59.7	59.5	59.4	59.8	60.2
83°	50.8	51.0	50.7	50.2	53.7	53.8	53.8	53.6	53.6	53.9	54.3
83.5°	45.1	45.3	45.0	44.8	47.7	48.1	47.8	47.8	47.8	48.1	48.5
84°	39.9	40.1	39.8	39.3	42.2	42.3	42.3	42.1	42.0	42.4	42.8
84.5°	34.9	34.9	34.8	34.4	37.0	37.4	37.0	36.9	36.8	37.1	37.5
85°	30.0	29.9	29.9	29.5	31.8	32.0	31.9	31.7	31.6	31.9	32.2
85.5°	25.6	25.6	25.6	25.2	27.0	27.1	27.0	27.0	26.9	27.1	27.5
86°	21.3	21.3	21.2	20.8	23.0	23.0	23.0	22.9	22.9	23.2	23.4
86.5°	17.3	17.4	17.3	17.0	19.1	19.1	19.2	18.9	19.0	19.3	19.4
87°	13.4	13.4	13.5	13.1	15.3	15.4	15.5	15.2	15.2	15.4	15.6
87.5°	9.8	9.7	9.7	9.4	11.7	11.7	11.7	11.6	11.5	11.8	12.0
88°	6.8	6.9	6.8	6.6	8.5	8.5	8.5	8.4	8.4	8.6	8.8
88.5°	4.6	4.7	4.6	4.4	5.8	6.0	5.8	5.7	5.6	5.9	6.0
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



TEST NUMBER: P869694
CATALOG NUMBER: SMX14SLSFSD2W-2000LM-4000K

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: P869694
 CATALOG NUMBER: SMX14SLSFSD2W-2000LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	795.7	795.7	795.7	795.7	795.7	795.7
0.5°	795.0	796.8	796.1	795.7	795.5	795.3
1°	794.8	796.5	796.8	795.3	795.0	795.3
1.5°	795.1	796.8	796.2	795.8	794.5	794.9
2°	794.5	796.0	795.6	795.3	794.7	794.8
2.5°	794.7	795.6	795.1	794.6	795.1	794.5
3°	794.3	794.6	794.4	794.4	794.7	793.4
3.5°	793.5	793.9	794.4	793.6	794.5	793.0
4°	793.4	793.5	794.3	792.8	793.6	792.9
4.5°	792.8	792.8	793.2	792.6	793.2	792.5
5°	791.5	792.5	792.2	792.3	792.2	791.9
5.5°	790.7	791.7	791.7	792.4	791.6	791.5
6°	789.5	790.8	790.4	791.3	790.9	791.0
6.5°	789.1	789.7	789.6	790.7	789.6	790.4
7°	788.2	788.9	788.6	789.3	788.6	789.5
7.5°	788.1	788.3	787.9	788.1	788.3	788.6
8°	786.5	787.6	786.4	787.2	786.9	787.2
8.5°	785.3	786.5	785.9	786.3	785.4	786.4
9°	784.0	785.0	784.9	784.8	784.5	785.6
9.5°	782.4	784.2	783.3	783.6	783.3	784.5
10°	781.7	782.7	781.7	782.3	782.4	783.5
10.5°	780.2	781.2	780.8	781.0	781.6	782.5
11°	778.8	779.3	779.8	779.5	780.0	781.2
11.5°	777.3	777.6	778.7	777.4	778.8	779.9
12°	775.7	776.3	777.2	776.2	777.3	778.2
12.5°	774.3	774.7	775.5	775.4	776.7	776.6
13°	773.0	773.1	773.9	773.5	774.7	775.1
13.5°	771.2	771.1	771.7	772.2	772.8	773.3
14°	769.5	768.9	769.5	771.1	771.1	771.2
14.5°	767.3	766.9	767.2	769.0	768.9	768.9
15°	765.6	765.2	765.0	767.4	766.6	766.6
15.5°	763.4	763.2	763.2	765.8	764.6	764.2
16°	761.5	761.2	760.8	764.0	761.7	762.0
16.5°	759.3	759.0	759.0	761.8	759.8	759.7
17°	757.1	756.9	756.9	759.1	757.5	757.6
17.5°	754.8	754.9	754.3	756.8	754.9	755.2
18°	752.5	752.6	752.4	754.6	752.9	753.0
18.5°	750.3	750.4	750.0	751.7	750.0	750.5
19°	748.1	748.1	747.7	749.2	747.2	747.9
19.5°	745.2	745.5	745.7	746.5	744.9	745.4
20°	742.9	742.9	743.8	743.8	742.6	742.7
20.5°	740.0	740.2	741.3	741.3	740.4	740.4
21°	737.4	737.3	738.5	738.8	737.8	737.7
21.5°	734.6	734.5	736.2	735.9	735.6	734.8
22°	732.2	732.2	733.8	733.1	732.7	732.4

TEST NUMBER: P869694
 CATALOG NUMBER: SMX14SLSFSD2W-2000LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	728.8	729.0	730.7	730.0	729.8	729.7
23°	726.2	726.2	727.3	726.7	726.8	726.9
23.5°	723.6	723.1	725.0	723.9	724.0	724.3
24°	720.6	720.0	722.1	720.4	720.5	721.5
24.5°	717.4	716.9	718.0	717.8	717.4	718.2
25°	713.8	713.8	714.9	714.0	713.8	714.4
25.5°	710.6	710.6	711.5	710.9	710.6	711.3
26°	706.9	707.4	707.7	707.3	707.2	707.5
26.5°	703.6	703.7	704.4	703.6	703.6	704.7
27°	700.3	700.3	701.2	700.3	700.3	701.4
27.5°	697.5	696.9	697.9	696.9	696.9	697.9
28°	693.7	693.0	694.5	693.3	693.1	694.3
28.5°	690.2	689.2	691.0	690.3	690.0	690.6
29°	686.4	685.8	687.5	686.3	686.0	686.8
29.5°	682.6	681.8	684.2	682.8	682.4	683.3
30°	678.8	678.2	680.4	678.9	678.2	679.5
30.5°	674.8	674.9	676.4	674.5	674.3	675.7
31°	670.8	670.8	671.9	671.0	670.6	672.3
31.5°	667.0	666.9	667.5	667.2	666.7	668.2
32°	663.2	663.3	663.3	663.0	662.4	663.8
32.5°	659.6	659.0	659.7	659.7	658.8	660.0
33°	655.5	655.5	655.4	655.4	654.6	655.3
33.5°	651.4	651.2	651.7	651.1	650.7	651.5
34°	647.0	646.9	647.0	647.4	646.2	647.5
34.5°	643.1	642.3	642.9	643.3	642.0	643.3
35°	639.1	637.8	638.2	639.0	637.9	638.6
35.5°	634.8	633.2	633.9	634.7	633.7	634.8
36°	630.1	629.1	629.5	630.0	629.1	630.3
36.5°	625.8	624.7	625.0	625.4	625.1	625.6
37°	621.2	620.3	620.5	620.8	620.6	620.6
37.5°	616.8	615.3	615.8	616.6	616.1	616.2
38°	612.5	610.5	611.3	611.9	612.0	611.7
38.5°	608.1	605.7	607.0	606.7	607.0	607.0
39°	603.4	601.5	602.3	602.2	602.1	602.3
39.5°	598.7	596.8	597.8	597.5	597.5	597.6
40°	593.7	592.2	593.0	592.7	592.4	592.7
40.5°	588.6	587.7	588.0	587.8	588.0	588.2
41°	583.8	583.5	583.4	583.3	583.1	583.1
41.5°	578.7	578.2	578.6	578.6	578.9	578.6
42°	573.8	573.2	573.5	573.7	574.3	573.4
42.5°	568.8	567.8	568.7	568.5	568.3	568.0
43°	563.8	562.8	563.2	563.4	563.0	563.0
43.5°	559.1	557.5	558.6	558.0	557.9	557.7
44°	553.8	552.1	553.6	552.7	552.6	552.5
44.5°	548.8	547.3	548.0	547.5	548.2	547.4

TEST NUMBER: P869694
 CATALOG NUMBER: SMX14SLSFSD2W-2000LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	543.4	541.9	542.7	542.4	542.5	541.9
45.5°	538.4	536.5	537.4	537.0	536.6	536.2
46°	532.8	531.2	531.9	531.8	531.1	531.1
46.5°	527.3	525.6	527.0	526.3	525.7	526.4
47°	521.8	519.8	521.8	521.0	520.6	521.1
47.5°	516.3	514.3	516.3	515.4	515.7	516.0
48°	510.7	508.9	510.5	509.7	510.4	510.1
48.5°	505.6	503.7	504.9	504.2	504.8	504.4
49°	499.4	498.1	499.2	498.4	498.2	498.7
49.5°	494.0	492.6	493.7	492.8	492.5	493.2
50°	488.5	486.9	487.8	487.1	487.4	487.7
50.5°	482.8	481.2	482.0	481.4	481.4	481.4
51°	477.3	475.3	476.2	475.6	475.2	475.7
51.5°	471.2	469.2	470.1	469.8	469.1	469.9
52°	465.5	463.4	464.4	463.9	463.2	464.1
52.5°	459.2	457.2	458.5	458.4	457.5	458.1
53°	453.6	451.6	452.1	452.2	451.6	452.1
53.5°	447.7	445.8	446.4	446.2	445.6	446.0
54°	441.8	439.6	439.7	439.9	439.9	439.8
54.5°	435.6	433.6	434.1	433.3	433.3	433.4
55°	429.5	427.9	427.9	427.0	427.3	427.7
55.5°	423.4	421.8	422.0	420.9	421.3	421.9
56°	417.9	415.4	415.7	414.5	415.1	415.5
56.5°	411.3	409.2	409.4	408.7	409.1	409.4
57°	405.0	402.6	403.1	402.2	402.6	402.7
57.5°	398.7	396.5	396.9	396.1	396.1	396.1
58°	392.5	390.0	390.1	390.4	389.6	390.1
58.5°	386.1	383.7	383.7	384.0	383.8	383.6
59°	379.7	377.1	377.1	377.5	377.4	376.9
59.5°	372.9	370.7	370.5	370.7	371.0	370.5
60°	366.1	364.3	364.1	364.1	364.1	364.4
60.5°	360.0	357.8	357.6	357.4	357.2	358.3
61°	353.7	351.1	351.4	350.6	350.7	351.2
61.5°	347.1	344.3	345.0	343.8	344.4	344.6
62°	340.3	338.1	338.3	337.2	337.4	338.0
62.5°	333.7	331.2	331.5	330.7	330.5	331.3
63°	327.0	324.3	324.6	324.3	323.8	324.4
63.5°	320.0	317.5	318.0	317.1	316.9	317.7
64°	313.8	310.6	311.1	310.4	310.3	310.8
64.5°	306.4	304.0	304.4	303.9	303.7	304.3
65°	300.1	296.9	297.4	296.9	296.7	297.6
65.5°	293.0	290.2	290.4	289.9	290.1	290.7
66°	285.9	283.0	283.1	283.2	283.2	283.7
66.5°	279.0	276.1	276.3	276.2	276.7	276.5
67°	272.5	268.8	269.4	268.9	270.0	269.2

TEST NUMBER: P869694
 CATALOG NUMBER: SMX14SLSFSD2W-2000LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	265.3	262.0	263.0	262.2	263.0	262.5
68°	258.3	255.1	255.8	255.1	255.3	255.4
68.5°	251.3	248.6	248.7	248.2	248.3	248.4
69°	244.2	241.6	241.9	241.6	241.6	241.5
69.5°	237.1	234.3	234.8	234.3	234.4	234.0
70°	230.1	227.1	227.5	227.2	227.3	226.9
70.5°	223.5	220.2	220.5	220.4	220.5	219.9
71°	216.6	212.5	213.0	213.1	213.1	212.8
71.5°	209.2	205.8	206.2	205.8	205.8	206.0
72°	202.1	198.7	198.7	198.6	198.4	198.8
72.5°	195.1	191.7	191.8	191.7	191.0	191.4
73°	188.3	184.6	185.1	184.7	184.2	184.5
73.5°	181.3	177.4	178.1	177.5	177.3	177.4
74°	174.4	170.4	170.8	170.1	170.2	170.2
74.5°	167.2	163.3	163.6	163.1	162.8	163.1
75°	160.2	156.2	156.4	156.0	155.6	156.0
75.5°	152.9	149.2	149.3	148.8	148.6	149.0
76°	146.0	142.1	142.2	141.8	141.7	142.0
76.5°	139.1	134.9	135.2	135.0	134.8	134.9
77°	132.1	128.1	128.1	127.7	127.7	127.9
77.5°	125.1	121.6	121.2	121.1	121.2	121.0
78°	118.1	114.6	114.1	114.2	114.2	114.1
78.5°	111.3	108.0	107.5	107.5	107.6	107.5
79°	104.6	101.3	100.8	100.9	101.3	100.8
79.5°	98.0	94.4	94.4	94.2	94.6	94.1
80°	91.3	87.8	87.8	87.6	88.0	87.7
80.5°	85.0	81.4	81.4	81.4	81.2	81.1
81°	78.5	75.0	75.1	75.1	74.9	74.9
81.5°	72.1	68.7	69.0	69.1	68.6	68.6
82°	65.9	62.8	62.9	63.0	62.5	62.7
82.5°	60.2	56.8	57.1	56.8	56.5	56.7
83°	54.3	51.2	51.3	51.2	50.7	50.8
83.5°	48.5	45.6	45.6	45.5	45.0	45.1
84°	42.8	40.3	40.3	40.2	39.9	39.9
84.5°	37.5	35.0	35.1	35.0	34.9	34.9
85°	32.4	30.1	30.3	30.0	30.0	30.0
85.5°	27.5	25.8	25.9	25.8	25.8	25.6
86°	23.6	21.4	21.6	21.6	21.4	21.3
86.5°	19.5	17.4	17.7	17.5	17.4	17.3
87°	15.8	13.6	13.8	13.7	13.6	13.4
87.5°	12.2	9.8	10.0	10.0	9.9	9.8
88°	8.9	6.9	7.1	7.0	7.0	6.8
88.5°	6.0	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


NVLAP Lab Code: 200050-0



TEST NUMBER: P869694
CATALOG NUMBER: SMX14SLSFSD2W-2000LM-4000K

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)