

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: P869693

Luminaire Tested: **SMX14SLSFSD2W-2000LM-3500K**

Issue Date: 8/29/2024

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P869693
 Test Lab:
 Issue Date: 8/29/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: SMX14SLSFSD2W-2000LM-3500K
 Description: 14IN SQUARE, 90CRI, DIMMING TO 10%, DAMP LOCATION
 Light Source: SELECTABLE CCT 90CRI / 3500K CCT
 Ballast/Driver: -

Summary

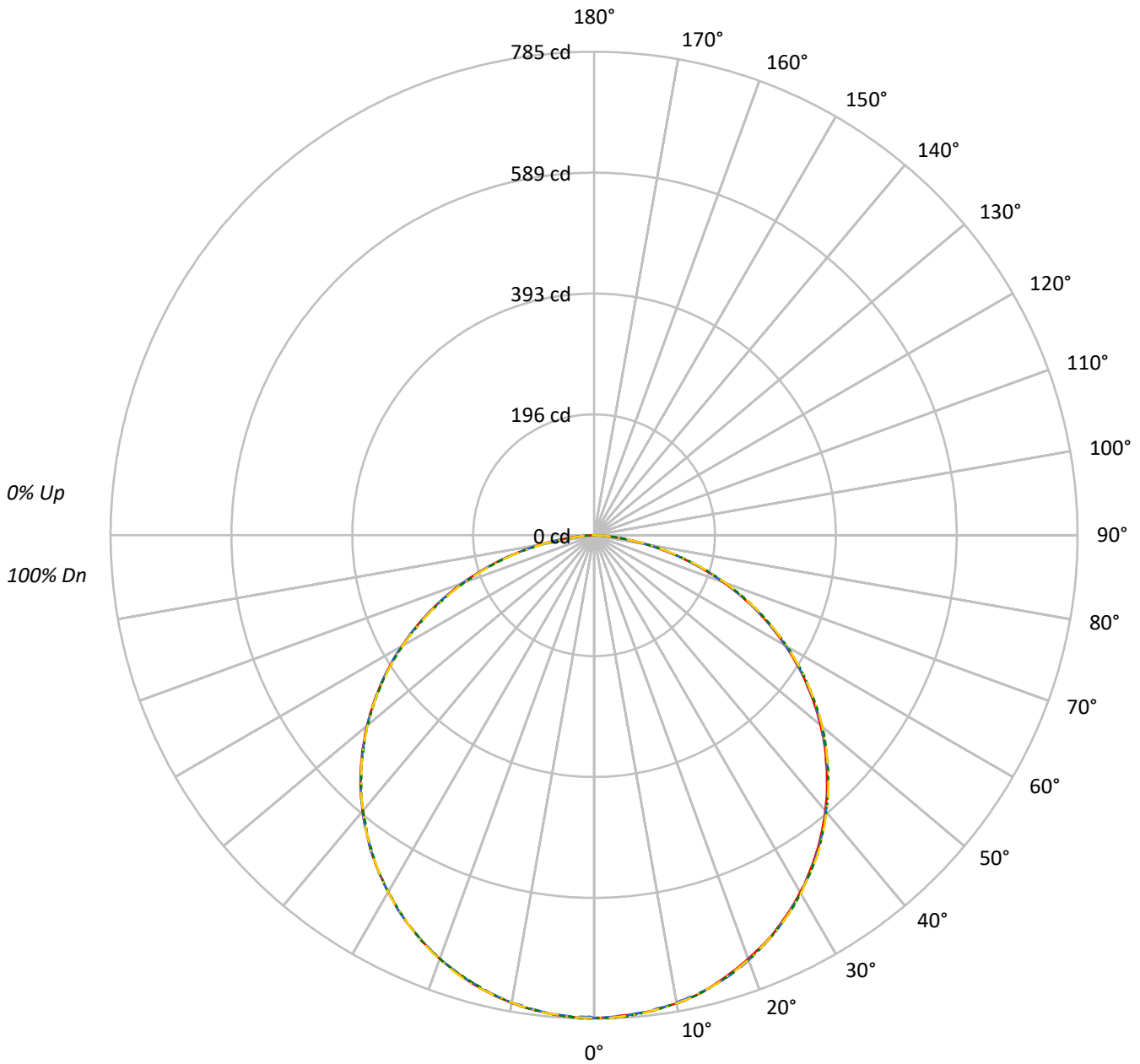
Lumens per Lamp: N/A
 Luminaire Lumens: 2290.0 lumens
 Efficiency: N/A
 Efficacy: 87.1 lumens/watt
 Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
 Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
 CIE Type: Direct

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	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	80	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	58	52	62	56	52	50
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	50	45	43
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37
7	65	51	42	36	63	50	42	36	48	41	35	47	40	35	46	40	35	33
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29
9	56	43	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°	6194	6194	6194	6194
5°	6188	6197	6194	6192
10°	6193	6193	6189	6188
15°	6178	6185	6179	6167
20°	6153	6167	6158	6154
25°	6137	6146	6131	6132
30°	6108	6127	6104	6096
35°	6069	6094	6074	6061
40°	6023	6050	6035	6018
45°	5965	6007	5990	5965
50°	5907	5948	5916	5897
55°	5805	5851	5827	5808
60°	5675	5730	5700	5673
65°	5481	5543	5524	5468
70°	5165	5260	5246	5169
75°	4691	4804	4807	4697
80°	3928	4087	4069	3933
85°	2684	2847	2829	2693

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.2	3.2
10°-20°	213.1	9.3
20°-30°	324.5	14.2
30°-40°	394.1	17.2
40°-50°	413.0	18.0
50°-60°	377.6	16.5
60°-70°	290.8	12.7
70°-80°	164.5	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°	611.8	26.7
0°-40°	1005.9	43.9
0°-60°	1796.5	78.5
0°-90°	2290.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2290.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	784	784	784	784	784	
5°	780	781	781	780	780	74
15°	755	756	755	754	755	213
25°	704	705	703	703	704	324
35°	629	632	630	628	629	394
45°	534	537	536	534	534	412
55°	421	425	423	422	421	376
65°	293	296	295	292	293	289
75°	154	157	157	154	154	162
85°	30	31	31	30	30	37
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°	783.7	783.7	783.7	783.7	783.7	783.7	783.7	783.7	783.7	783.7	783.7
0.5°	783.4	784.7	782.7	783.6	784.3	783.8	783.9	783.8	783.5	784.3	781.8
1°	783.4	784.9	783.1	783.2	784.3	783.6	783.6	783.4	783.6	783.6	782.0
1.5°	783.0	784.1	782.7	782.8	784.2	783.4	784.0	782.9	783.3	783.7	782.1
2°	782.9	783.9	782.4	782.9	783.9	783.0	783.7	782.7	783.5	783.9	782.0
2.5°	782.6	783.8	782.3	782.2	784.0	783.3	783.4	782.6	782.7	783.7	781.8
3°	781.5	783.6	781.5	781.9	783.3	782.8	783.0	782.5	782.4	783.0	781.6
3.5°	781.1	782.8	781.6	781.6	783.0	782.1	782.4	782.1	782.0	782.9	781.3
4°	781.0	782.1	780.7	780.7	782.9	782.0	782.0	782.0	781.6	782.2	781.1
4.5°	780.5	781.8	780.2	780.4	781.8	781.4	781.5	781.1	781.5	782.6	780.0
5°	779.9	781.3	779.3	780.2	781.1	780.9	781.3	780.4	780.7	781.5	779.8
5.5°	779.5	780.4	779.1	779.4	780.4	780.3	780.9	779.4	779.9	780.6	779.3
6°	779.1	779.6	778.4	778.9	779.8	779.1	779.8	778.9	779.1	779.5	778.6
6.5°	778.5	779.4	777.4	778.0	779.1	777.8	779.1	778.3	778.0	778.8	777.4
7°	777.6	778.5	776.7	777.3	778.0	777.4	777.5	777.1	777.6	777.7	776.4
7.5°	776.7	777.3	775.3	776.0	777.0	776.3	776.7	776.1	776.5	777.1	775.5
8°	775.3	776.2	774.6	775.2	775.9	775.2	775.9	775.2	775.6	776.1	774.4
8.5°	774.6	775.3	774.3	773.9	774.9	774.6	775.0	773.6	774.6	774.6	773.0
9°	773.8	774.5	772.9	773.0	773.8	773.2	774.3	772.5	773.4	773.8	772.0
9.5°	772.7	773.0	771.6	771.9	772.7	771.7	772.7	771.5	772.0	773.0	771.1
10°	771.7	771.2	770.4	770.9	771.6	771.2	771.7	770.5	771.1	771.6	770.5
10.5°	770.8	770.4	768.8	769.5	771.2	769.8	770.3	769.1	769.5	770.2	768.9
11°	769.5	768.6	767.9	768.4	769.7	768.6	769.5	767.5	768.2	769.3	767.2
11.5°	768.1	767.5	766.1	766.7	768.2	767.6	768.5	766.2	766.6	767.2	766.0
12°	766.5	766.6	764.8	765.8	766.7	766.0	766.3	764.4	765.4	765.4	764.6
12.5°	764.9	765.3	763.8	764.0	765.5	765.0	764.7	763.0	763.8	763.8	762.7
13°	763.4	763.8	762.3	762.6	763.5	763.1	763.1	761.7	762.0	762.4	761.0
13.5°	761.7	762.4	761.1	760.3	762.1	760.9	760.6	759.7	760.7	761.1	759.4
14°	759.6	760.4	759.2	758.6	760.1	759.4	759.0	757.6	759.1	759.1	757.3
14.5°	757.3	758.4	757.6	756.7	757.9	757.6	757.8	755.8	756.6	757.6	755.0
15°	755.0	756.8	756.2	755.3	755.9	756.2	756.3	753.3	755.2	755.8	753.8
15.5°	752.7	754.8	754.6	752.7	754.1	754.1	754.2	751.5	752.8	753.9	751.7
16°	750.5	752.1	752.5	750.6	751.6	751.6	751.5	750.2	750.5	751.4	750.0
16.5°	748.3	749.6	750.3	748.9	750.0	749.6	749.3	748.3	748.5	749.2	748.2
17°	746.2	747.3	748.5	746.3	747.5	747.2	747.3	746.3	746.3	746.6	746.1
17.5°	743.8	744.9	746.3	743.6	745.1	744.9	745.4	743.9	743.6	744.7	743.9
18°	741.6	742.1	744.2	741.7	742.8	742.8	743.1	741.5	741.2	741.9	741.4
18.5°	739.2	740.0	742.1	739.6	740.9	740.3	740.7	739.7	738.8	740.0	738.9
19°	736.7	737.3	739.4	737.1	738.0	738.3	738.4	737.4	736.7	737.5	736.9
19.5°	734.2	734.7	737.0	734.1	735.6	736.1	735.9	734.7	734.8	735.2	734.8
20°	731.5	732.5	734.0	731.9	733.2	733.6	733.5	732.5	732.1	732.7	732.1
20.5°	729.2	730.4	731.8	729.1	731.2	731.5	731.1	729.7	729.7	729.8	729.8
21°	726.6	727.2	729.2	727.0	728.6	728.4	728.4	727.6	727.0	727.3	726.8
21.5°	723.8	724.7	726.3	723.9	725.6	725.2	725.1	724.8	724.0	724.6	723.9
22°	721.3	721.9	722.3	721.4	722.9	722.1	722.6	722.6	721.5	721.5	721.0

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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°	718.7	719.5	720.5	718.8	720.2	719.2	720.0	719.4	718.5	718.5	717.9
23°	716.0	716.6	717.4	715.7	717.4	716.4	717.1	716.2	716.0	715.5	714.6
23.5°	713.4	713.9	714.6	712.9	714.4	713.8	714.2	713.1	712.3	712.4	712.3
24°	710.7	710.9	711.2	710.1	711.4	711.2	711.5	710.3	709.5	710.1	709.2
24.5°	707.4	707.8	708.4	707.0	708.4	708.3	708.8	707.6	706.4	707.6	706.5
25°	703.7	705.0	705.5	703.7	704.8	705.2	705.5	704.5	703.0	703.8	703.2
25.5°	700.6	702.0	702.1	700.5	702.1	702.0	702.0	700.8	700.5	700.5	700.4
26°	696.8	698.4	698.6	696.8	699.0	698.9	699.1	697.7	697.2	698.0	697.3
26.5°	694.1	695.2	695.6	693.8	696.0	695.4	695.7	693.9	693.5	694.2	693.5
27°	690.9	692.1	691.7	691.1	692.9	692.0	692.9	691.2	690.2	690.8	690.7
27.5°	687.4	688.5	688.5	687.6	689.2	688.5	689.6	687.8	687.2	687.6	686.9
28°	683.8	684.7	684.9	684.1	685.9	685.5	685.6	684.2	683.4	684.5	683.8
28.5°	680.2	681.2	681.2	681.4	682.5	681.8	682.1	681.2	679.5	681.2	680.2
29°	676.5	677.8	678.1	677.5	678.4	678.0	678.4	677.5	675.7	677.6	676.0
29.5°	673.0	674.0	674.3	674.2	674.7	674.4	675.1	673.6	672.5	674.4	672.2
30°	669.3	670.2	670.5	670.3	671.3	671.1	671.5	670.2	668.8	670.0	668.4
30.5°	665.6	666.5	667.1	667.1	667.4	667.5	667.5	666.5	665.0	666.1	664.9
31°	662.1	662.5	662.7	663.6	663.4	663.8	663.3	662.7	661.1	662.5	661.4
31.5°	658.1	659.0	659.2	659.7	659.4	659.8	659.7	658.6	657.1	658.3	657.5
32°	653.8	655.3	655.4	655.5	655.3	656.0	655.9	654.6	653.2	654.4	653.6
32.5°	650.0	651.5	651.8	652.1	652.1	652.2	652.5	651.2	649.9	651.1	649.5
33°	645.4	647.3	647.3	648.0	648.2	648.0	648.3	647.1	645.9	647.2	645.9
33.5°	641.7	643.4	643.8	644.0	644.1	643.5	644.5	643.0	641.8	643.4	641.7
34°	637.7	639.6	639.5	640.0	640.0	639.6	640.7	638.5	637.5	638.6	637.6
34.5°	633.6	634.8	635.3	635.8	636.0	635.7	636.8	634.1	633.6	634.4	633.9
35°	629.0	629.7	630.8	631.4	631.6	631.7	632.8	630.6	629.5	630.0	629.4
35.5°	625.2	625.7	626.5	626.7	627.7	627.8	628.4	626.1	625.5	625.6	625.1
36°	620.8	621.5	621.8	622.6	623.2	622.9	624.1	621.6	620.9	621.3	620.8
36.5°	616.1	617.8	617.5	618.3	618.9	618.2	619.8	617.2	616.3	616.7	615.8
37°	611.3	612.9	613.4	613.9	614.4	614.3	615.4	612.2	611.5	612.5	611.8
37.5°	607.0	608.8	609.3	609.5	609.6	609.6	610.5	608.3	607.2	608.0	607.5
38°	602.5	604.5	604.6	604.7	605.3	604.8	605.6	603.9	603.2	603.8	603.2
38.5°	597.9	599.5	599.8	599.9	600.5	600.0	601.2	599.3	598.7	599.0	598.9
39°	593.3	595.2	595.0	595.3	596.0	595.5	596.6	594.5	594.3	594.4	593.9
39.5°	588.6	590.3	590.3	590.2	591.3	591.7	591.5	590.1	589.9	589.6	589.2
40°	583.8	585.1	585.6	585.6	586.4	587.2	586.9	586.0	584.9	585.1	584.7
40.5°	579.3	580.8	581.0	580.5	581.6	582.4	582.6	581.3	580.1	580.4	579.8
41°	574.3	576.0	576.2	575.9	577.3	577.7	577.6	576.4	574.9	575.6	575.1
41.5°	569.9	571.0	571.5	570.7	572.4	573.3	573.2	571.6	570.7	570.8	570.6
42°	564.8	565.9	566.5	565.9	567.0	568.1	567.9	566.9	566.3	565.6	565.6
42.5°	559.5	560.9	561.8	560.9	562.3	563.1	562.7	561.9	561.1	560.5	560.7
43°	554.5	555.9	556.9	555.9	557.5	557.9	557.7	556.7	556.0	555.4	555.8
43.5°	549.3	551.1	551.6	550.9	552.5	552.5	552.8	551.8	551.1	550.3	550.5
44°	544.1	545.9	546.5	546.0	547.4	547.6	547.8	546.8	545.8	545.2	545.5
44.5°	539.2	540.5	541.3	540.5	542.4	542.7	542.7	541.7	540.8	540.2	540.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	533.7	535.6	536.3	535.6	537.4	537.7	537.2	536.5	535.9	535.4	534.8
45.5°	528.1	530.2	531.4	530.4	532.4	532.5	531.8	531.5	530.6	530.1	529.4
46°	523.1	525.5	525.8	525.4	527.0	527.0	526.9	526.1	525.0	524.5	524.4
46.5°	518.5	520.0	520.3	520.1	521.6	521.7	521.9	520.6	519.7	519.8	518.9
47°	513.3	514.6	514.8	514.7	516.1	516.3	516.5	515.0	514.6	514.2	513.6
47.5°	508.2	509.6	509.3	509.1	510.7	511.2	510.8	509.7	509.2	508.7	507.9
48°	502.4	503.9	503.6	503.8	505.4	506.0	505.6	504.5	503.4	503.5	502.4
48.5°	496.8	498.3	498.3	498.0	500.1	500.1	500.1	499.1	497.8	497.9	497.3
49°	491.2	492.9	492.7	492.7	494.8	494.6	494.4	493.5	492.7	492.6	491.8
49.5°	485.7	487.4	487.2	486.9	489.3	488.8	489.0	488.3	486.9	487.4	486.1
50°	480.4	481.6	481.6	481.2	483.7	483.7	483.4	482.3	481.1	481.5	480.9
50.5°	474.1	476.1	476.0	475.7	477.9	477.8	477.7	476.9	475.6	475.8	475.3
51°	468.5	470.1	470.0	469.8	472.0	472.0	472.3	470.9	469.9	470.2	469.9
51.5°	462.8	464.4	464.5	464.3	466.3	466.1	466.5	465.1	464.1	464.4	463.6
52°	457.1	458.9	458.6	458.5	460.3	460.6	460.7	459.3	457.8	458.6	457.8
52.5°	451.2	452.7	452.7	452.7	454.8	455.1	454.8	453.5	452.3	453.2	452.0
53°	445.3	447.0	446.7	446.5	448.6	449.0	448.6	447.5	446.9	447.3	446.5
53.5°	439.2	440.9	440.7	440.4	442.6	442.8	442.5	442.1	440.9	441.8	440.4
54°	433.2	434.5	434.7	434.4	436.6	436.8	436.6	436.1	434.8	435.4	434.8
54.5°	426.8	428.3	428.8	428.6	430.7	430.7	430.6	429.8	428.7	429.3	429.0
55°	421.3	422.6	422.2	422.8	424.6	424.8	424.8	423.9	422.9	423.3	423.1
55.5°	415.5	416.5	416.4	416.5	418.4	419.0	418.2	417.5	416.9	417.8	417.0
56°	409.3	410.5	410.1	410.6	412.4	413.1	413.0	411.8	411.0	411.5	410.9
56.5°	403.2	404.3	404.2	404.5	406.3	406.9	406.8	405.5	404.7	405.3	404.6
57°	396.7	397.7	397.9	398.4	400.2	400.9	400.5	399.5	398.2	399.1	398.5
57.5°	390.1	391.4	391.7	392.0	394.0	394.2	394.3	393.1	392.3	392.9	392.6
58°	384.3	385.1	385.3	385.4	387.5	388.2	387.5	387.2	385.9	386.3	386.6
58.5°	377.8	379.1	379.2	379.2	381.3	382.1	380.7	380.7	379.8	380.1	380.3
59°	371.3	372.9	372.2	372.4	375.3	375.3	374.8	374.4	373.6	374.1	373.8
59.5°	364.9	366.1	365.8	366.1	369.0	368.7	368.4	367.9	366.9	367.7	367.4
60°	359.0	359.6	359.2	359.5	362.5	362.4	362.1	362.0	360.6	361.2	360.9
60.5°	352.9	353.1	353.0	352.7	355.9	355.9	355.1	355.1	353.7	354.7	354.5
61°	345.9	346.4	346.6	346.2	349.3	349.9	348.8	349.2	347.7	348.1	347.8
61.5°	339.4	340.0	340.3	339.5	342.6	343.3	342.3	342.4	341.4	342.0	341.3
62°	332.9	333.5	333.9	333.5	336.3	336.8	336.4	336.1	335.0	335.4	335.3
62.5°	326.3	326.5	327.2	326.5	329.4	329.9	329.6	329.5	328.3	328.8	328.5
63°	319.5	319.8	320.6	320.2	322.7	323.7	323.0	322.9	321.7	322.1	321.6
63.5°	313.0	313.5	313.8	313.5	316.2	317.1	316.5	316.5	315.4	315.5	315.3
64°	306.1	306.8	307.1	306.9	309.7	310.3	309.8	309.4	308.8	308.9	308.5
64.5°	299.8	300.4	300.6	300.1	303.0	303.2	302.9	302.5	302.0	302.0	301.8
65°	293.1	293.7	293.6	293.5	296.4	297.0	296.5	296.0	295.4	295.7	295.4
65.5°	286.3	286.7	286.8	286.3	290.1	289.7	289.4	289.0	288.4	289.0	288.8
66°	279.4	279.8	279.8	279.4	283.1	282.9	282.1	282.1	281.5	282.3	282.0
66.5°	272.3	273.0	272.6	272.6	276.0	275.9	275.6	275.2	275.0	275.5	274.9
67°	265.2	265.8	265.9	265.8	269.0	269.4	268.9	268.7	268.1	268.5	268.4

TEST NUMBER: P869693
 CATALOG NUMBER: SMX14SLSFSD2W-2000LM-3500K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	258.5	259.1	259.0	258.9	262.1	262.5	261.9	261.7	261.4	261.8	261.4
68°	251.5	252.2	252.0	252.2	255.3	255.8	255.1	254.8	255.0	254.9	254.4
68.5°	244.7	245.2	245.2	245.1	248.6	249.0	248.3	248.0	248.3	248.2	247.5
69°	237.8	238.3	238.2	237.9	241.8	242.0	241.4	241.1	241.1	241.0	240.2
69.5°	230.5	231.1	231.3	231.0	234.6	235.0	234.4	233.9	234.0	234.0	233.5
70°	223.5	224.3	224.1	223.9	227.6	228.0	227.2	226.8	227.0	227.2	226.4
70.5°	216.5	217.2	216.6	217.0	220.7	221.1	220.4	220.2	220.4	220.1	219.7
71°	209.6	210.0	209.7	209.8	213.7	214.1	213.0	213.3	213.1	213.1	212.7
71.5°	202.9	203.2	202.8	202.6	206.6	206.8	206.3	206.1	206.4	205.9	205.6
72°	195.8	196.0	195.7	195.5	199.5	199.8	199.3	199.3	199.5	199.0	198.7
72.5°	188.5	189.3	189.0	188.3	192.6	192.8	192.5	192.1	192.4	192.0	191.6
73°	181.7	182.2	181.9	181.7	185.6	185.9	185.5	185.3	185.3	185.1	184.7
73.5°	174.7	175.2	174.7	174.7	178.7	179.1	178.9	178.6	178.5	178.3	178.1
74°	167.6	168.0	167.9	167.8	171.7	172.2	172.1	171.4	171.5	171.1	170.9
74.5°	160.7	161.4	160.8	160.9	164.7	165.2	164.6	164.5	164.4	164.4	164.1
75°	153.6	154.1	153.9	153.6	157.3	157.8	157.7	157.5	157.4	157.4	157.3
75.5°	146.8	146.9	146.8	146.6	150.3	150.9	150.5	150.5	150.4	150.4	150.3
76°	139.9	140.1	139.9	140.0	143.4	144.0	143.4	143.5	143.5	143.4	143.3
76.5°	132.8	133.1	133.2	132.8	136.6	136.8	136.6	136.7	136.6	136.6	136.6
77°	126.0	126.2	125.9	126.0	129.6	130.2	129.9	129.7	129.6	129.8	129.8
77.5°	119.2	119.7	119.4	119.4	122.7	123.2	122.9	123.0	122.9	123.1	123.1
78°	112.4	112.8	112.4	112.6	116.0	116.3	116.1	115.9	115.6	116.2	116.1
78.5°	105.9	106.1	105.8	106.0	109.6	109.6	109.6	109.2	108.9	109.4	109.5
79°	99.2	99.4	99.1	99.6	103.1	103.2	102.9	102.9	102.5	102.9	102.8
79.5°	92.7	93.0	92.8	93.0	96.6	96.5	96.2	96.2	95.9	96.4	96.4
80°	86.3	86.4	86.3	86.2	89.8	90.0	89.5	89.5	89.4	89.9	89.8
80.5°	79.9	80.0	79.9	79.7	83.2	83.7	83.3	83.2	83.0	83.4	83.5
81°	73.7	73.8	73.6	73.2	76.9	77.3	77.1	76.8	76.9	77.2	77.3
81.5°	67.6	67.7	67.5	67.2	70.6	70.9	70.6	70.5	70.5	70.9	71.0
82°	61.7	61.7	61.6	61.1	64.6	64.8	64.6	64.3	64.3	64.7	65.0
82.5°	55.9	56.0	55.7	55.4	58.8	59.0	58.8	58.6	58.5	58.9	59.3
83°	50.0	50.2	49.9	49.4	52.9	53.0	53.0	52.7	52.7	53.1	53.5
83.5°	44.4	44.6	44.3	44.1	47.0	47.4	47.1	47.1	47.1	47.4	47.8
84°	39.3	39.5	39.2	38.7	41.6	41.7	41.7	41.5	41.4	41.8	42.2
84.5°	34.4	34.4	34.3	33.9	36.4	36.8	36.4	36.3	36.2	36.5	36.9
85°	29.6	29.5	29.5	29.0	31.4	31.5	31.5	31.3	31.2	31.5	31.7
85.5°	25.2	25.2	25.2	24.8	26.6	26.7	26.6	26.6	26.5	26.7	27.1
86°	21.0	21.0	20.9	20.5	22.7	22.7	22.7	22.6	22.6	22.9	23.1
86.5°	17.0	17.1	17.0	16.7	18.9	18.9	18.9	18.7	18.8	19.0	19.1
87°	13.2	13.2	13.3	12.9	15.0	15.1	15.2	14.9	14.9	15.1	15.3
87.5°	9.7	9.6	9.6	9.3	11.5	11.5	11.5	11.4	11.3	11.6	11.8
88°	6.7	6.8	6.7	6.5	8.4	8.4	8.4	8.3	8.3	8.5	8.7
88.5°	4.5	4.6	4.5	4.3	5.7	6.0	5.7	5.6	5.5	5.8	5.9
89°	2.7	2.8	2.8	2.7	3.3	3.5	3.3	3.3	3.1	3.4	3.5
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: P869693
CATALOG NUMBER: SMX14SLSFSD2W-2000LM-3500K

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: P869693
 CATALOG NUMBER: SMX14SLSFSD2W-2000LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	783.7	783.7	783.7	783.7	783.7	783.7
0.5°	783.1	784.8	784.1	783.7	783.6	783.4
1°	782.9	784.5	784.8	783.4	783.1	783.4
1.5°	783.2	784.8	784.2	783.8	782.6	783.0
2°	782.6	784.0	783.6	783.4	782.8	782.9
2.5°	782.8	783.6	783.2	782.7	783.2	782.6
3°	782.4	782.7	782.5	782.5	782.8	781.5
3.5°	781.6	782.0	782.5	781.7	782.6	781.1
4°	781.5	781.6	782.4	780.9	781.7	781.0
4.5°	780.8	780.9	781.3	780.6	781.3	780.5
5°	779.5	780.5	780.2	780.3	780.2	779.9
5.5°	778.8	779.7	779.7	780.4	779.6	779.5
6°	777.6	778.9	778.5	779.4	779.0	779.1
6.5°	777.2	777.8	777.7	778.8	777.7	778.5
7°	776.3	777.0	776.7	777.4	776.7	777.6
7.5°	776.2	776.4	776.0	776.2	776.4	776.7
8°	774.7	775.7	774.6	775.3	775.1	775.3
8.5°	773.5	774.7	774.1	774.5	773.6	774.6
9°	772.2	773.2	773.1	773.0	772.7	773.8
9.5°	770.7	772.4	771.5	771.8	771.5	772.7
10°	770.0	771.0	770.0	770.6	770.7	771.7
10.5°	768.4	769.5	769.0	769.3	769.9	770.8
11°	767.0	767.5	768.0	767.7	768.2	769.5
11.5°	765.6	765.9	766.9	765.7	767.0	768.1
12°	764.0	764.6	765.5	764.5	765.6	766.5
12.5°	762.6	763.0	763.8	763.7	765.0	764.9
13°	761.4	761.5	762.3	761.9	763.0	763.4
13.5°	759.6	759.5	760.1	760.6	761.2	761.7
14°	758.0	757.3	758.0	759.5	759.5	759.6
14.5°	755.7	755.3	755.6	757.4	757.3	757.3
15°	754.1	753.7	753.5	755.8	755.0	755.0
15.5°	751.9	751.7	751.7	754.2	753.1	752.7
16°	750.0	749.8	749.4	752.5	750.2	750.5
16.5°	747.9	747.6	747.6	750.3	748.4	748.3
17°	745.7	745.5	745.5	747.7	746.1	746.2
17.5°	743.4	743.5	742.9	745.4	743.5	743.8
18°	741.2	741.3	741.1	743.2	741.6	741.6
18.5°	739.0	739.1	738.7	740.4	738.7	739.2
19°	736.9	736.9	736.5	737.9	736.0	736.7
19.5°	734.0	734.3	734.5	735.3	733.6	734.2
20°	731.7	731.7	732.6	732.6	731.4	731.5
20.5°	728.9	729.0	730.1	730.1	729.2	729.2
21°	726.3	726.2	727.4	727.7	726.7	726.6
21.5°	723.6	723.5	725.1	724.8	724.6	723.8
22°	721.1	721.1	722.8	722.0	721.6	721.3

TEST NUMBER: P869693
 CATALOG NUMBER: SMX14SLSFSD2W-2000LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	717.8	718.0	719.7	719.0	718.8	718.7
23°	715.3	715.3	716.4	715.8	715.9	716.0
23.5°	712.7	712.2	714.1	713.0	713.1	713.4
24°	709.7	709.1	711.3	709.5	709.6	710.7
24.5°	706.6	706.1	707.2	707.0	706.6	707.4
25°	703.1	703.1	704.1	703.3	703.1	703.7
25.5°	699.9	699.9	700.8	700.2	699.9	700.6
26°	696.2	696.7	697.0	696.6	696.5	696.8
26.5°	693.0	693.1	693.8	693.0	693.0	694.1
27°	689.8	689.8	690.7	689.8	689.8	690.9
27.5°	687.0	686.4	687.4	686.4	686.4	687.4
28°	683.2	682.6	684.0	682.8	682.7	683.8
28.5°	679.8	678.8	680.6	679.9	679.6	680.2
29°	676.1	675.5	677.2	676.0	675.7	676.5
29.5°	672.3	671.5	673.9	672.5	672.1	673.0
30°	668.6	668.0	670.2	668.7	668.0	669.3
30.5°	664.7	664.8	666.2	664.4	664.2	665.6
31°	660.7	660.7	661.8	660.9	660.5	662.1
31.5°	657.0	656.9	657.5	657.2	656.7	658.1
32°	653.3	653.4	653.4	653.1	652.5	653.8
32.5°	649.6	649.1	649.7	649.7	648.9	650.0
33°	645.6	645.6	645.5	645.5	644.8	645.4
33.5°	641.6	641.4	641.9	641.3	640.9	641.7
34°	637.2	637.1	637.2	637.6	636.5	637.7
34.5°	633.4	632.6	633.2	633.6	632.4	633.6
35°	629.5	628.2	628.6	629.4	628.3	629.0
35.5°	625.2	623.7	624.3	625.1	624.1	625.2
36°	620.6	619.7	620.0	620.5	619.7	620.8
36.5°	616.3	615.3	615.6	615.9	615.6	616.1
37°	611.8	611.0	611.2	611.4	611.3	611.3
37.5°	607.5	606.1	606.6	607.3	606.9	607.0
38°	603.2	601.3	602.1	602.7	602.8	602.5
38.5°	598.9	596.6	597.9	597.6	597.9	597.9
39°	594.4	592.4	593.3	593.2	593.1	593.3
39.5°	589.7	587.8	588.8	588.5	588.5	588.6
40°	584.8	583.3	584.1	583.8	583.5	583.8
40.5°	579.7	578.8	579.1	578.9	579.1	579.3
41°	575.0	574.7	574.6	574.5	574.3	574.3
41.5°	570.0	569.5	569.9	569.9	570.2	569.9
42°	565.1	564.6	564.9	565.1	565.6	564.8
42.5°	560.3	559.3	560.2	560.0	559.8	559.5
43°	555.3	554.3	554.7	554.9	554.5	554.5
43.5°	550.7	549.1	550.2	549.6	549.5	549.3
44°	545.4	543.8	545.2	544.3	544.2	544.1
44.5°	540.5	539.1	539.8	539.3	539.9	539.2

TEST NUMBER: P869693
 CATALOG NUMBER: SMX14SLSFSD2W-2000LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	535.3	533.7	534.6	534.2	534.4	533.7
45.5°	530.3	528.4	529.3	528.9	528.5	528.1
46°	524.8	523.2	523.9	523.8	523.1	523.1
46.5°	519.3	517.7	519.0	518.4	517.8	518.5
47°	514.0	512.0	514.0	513.2	512.8	513.3
47.5°	508.5	506.5	508.5	507.6	507.9	508.2
48°	503.0	501.3	502.8	502.1	502.7	502.4
48.5°	497.9	496.1	497.3	496.6	497.2	496.8
49°	491.9	490.6	491.7	490.9	490.7	491.2
49.5°	486.5	485.2	486.2	485.3	485.1	485.7
50°	481.1	479.6	480.5	479.8	480.1	480.4
50.5°	475.5	473.9	474.7	474.1	474.1	474.1
51°	470.1	468.2	469.0	468.5	468.1	468.5
51.5°	464.2	462.1	463.0	462.7	462.0	462.8
52°	458.5	456.4	457.4	456.9	456.2	457.1
52.5°	452.3	450.3	451.6	451.5	450.6	451.2
53°	446.8	444.8	445.3	445.4	444.8	445.3
53.5°	441.0	439.1	439.6	439.4	438.9	439.2
54°	435.1	433.0	433.1	433.3	433.3	433.2
54.5°	429.1	427.0	427.5	426.7	426.7	426.8
55°	423.0	421.5	421.5	420.6	420.9	421.3
55.5°	417.1	415.4	415.6	414.5	414.9	415.5
56°	411.6	409.2	409.5	408.3	408.9	409.3
56.5°	405.2	403.0	403.2	402.5	402.9	403.2
57°	398.9	396.6	397.1	396.2	396.6	396.7
57.5°	392.7	390.5	390.9	390.1	390.1	390.1
58°	386.6	384.2	384.3	384.5	383.8	384.3
58.5°	380.3	377.9	377.9	378.2	378.0	377.8
59°	374.0	371.5	371.5	371.9	371.8	371.3
59.5°	367.3	365.1	364.9	365.1	365.4	364.9
60°	360.6	358.9	358.7	358.7	358.7	359.0
60.5°	354.6	352.4	352.2	352.0	351.8	352.9
61°	348.4	345.8	346.1	345.3	345.4	345.9
61.5°	341.9	339.1	339.8	338.6	339.2	339.4
62°	335.2	333.0	333.2	332.1	332.3	332.9
62.5°	328.7	326.2	326.5	325.7	325.6	326.3
63°	322.0	319.4	319.7	319.4	318.9	319.5
63.5°	315.2	312.8	313.2	312.4	312.2	313.0
64°	309.0	305.9	306.4	305.7	305.6	306.1
64.5°	301.8	299.4	299.9	299.3	299.1	299.8
65°	295.6	292.4	292.9	292.4	292.2	293.1
65.5°	288.6	285.8	286.0	285.5	285.7	286.3
66°	281.6	278.8	278.9	279.0	279.0	279.4
66.5°	274.8	271.9	272.1	272.0	272.5	272.3
67°	268.4	264.8	265.4	264.9	266.0	265.2

TEST NUMBER: P869693
 CATALOG NUMBER: SMX14SLSFSD2W-2000LM-3500K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	261.3	258.1	259.0	258.3	259.0	258.5
68°	254.4	251.2	251.9	251.2	251.4	251.5
68.5°	247.5	244.9	245.0	244.5	244.6	244.7
69°	240.5	237.9	238.2	237.9	237.9	237.8
69.5°	233.5	230.8	231.3	230.8	230.9	230.5
70°	226.6	223.7	224.1	223.8	223.9	223.5
70.5°	220.2	216.8	217.1	217.0	217.1	216.5
71°	213.3	209.3	209.8	209.9	209.9	209.6
71.5°	206.1	202.7	203.1	202.7	202.7	202.9
72°	199.1	195.7	195.7	195.6	195.4	195.8
72.5°	192.1	188.8	188.9	188.8	188.1	188.5
73°	185.5	181.8	182.4	181.9	181.4	181.7
73.5°	178.6	174.7	175.4	174.8	174.6	174.7
74°	171.8	167.8	168.2	167.5	167.6	167.6
74.5°	164.7	160.9	161.2	160.7	160.4	160.7
75°	157.7	153.8	154.0	153.6	153.3	153.6
75.5°	150.6	147.0	147.1	146.5	146.3	146.8
76°	143.8	140.0	140.1	139.7	139.6	139.9
76.5°	137.0	132.8	133.1	132.9	132.7	132.8
77°	130.1	126.2	126.2	125.8	125.8	126.0
77.5°	123.2	119.7	119.4	119.3	119.4	119.2
78°	116.3	112.9	112.4	112.5	112.5	112.4
78.5°	109.6	106.4	105.9	105.9	106.0	105.9
79°	103.0	99.8	99.2	99.3	99.7	99.2
79.5°	96.5	93.0	93.0	92.8	93.2	92.7
80°	90.0	86.4	86.4	86.2	86.6	86.3
80.5°	83.7	80.2	80.2	80.2	80.0	79.9
81°	77.4	73.8	73.9	73.9	73.7	73.7
81.5°	71.0	67.7	68.0	68.1	67.6	67.6
82°	65.0	61.8	61.9	62.0	61.5	61.7
82.5°	59.3	56.0	56.3	56.0	55.7	55.9
83°	53.5	50.4	50.5	50.4	49.9	50.0
83.5°	47.8	44.9	44.9	44.8	44.3	44.4
84°	42.2	39.7	39.7	39.6	39.3	39.3
84.5°	36.9	34.5	34.6	34.5	34.4	34.4
85°	31.9	29.7	29.9	29.6	29.6	29.6
85.5°	27.1	25.4	25.5	25.4	25.4	25.2
86°	23.2	21.1	21.3	21.3	21.1	21.0
86.5°	19.2	17.1	17.4	17.2	17.1	17.0
87°	15.5	13.4	13.6	13.5	13.4	13.2
87.5°	12.0	9.7	9.9	9.9	9.8	9.7
88°	8.8	6.8	7.0	6.9	6.9	6.7
88.5°	6.0	4.5	4.7	4.7	4.7	4.5
89°	3.7	2.6	2.8	2.8	2.8	2.7
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: P869693
CATALOG NUMBER: SMX14SLSFSD2W-2000LM-3500K

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)