

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: P869661

Luminaire Tested: **SMX14RLSFSD2W-2000LM-2700K**

Issue Date: 8/29/2024

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P869661
 Test Lab:
 Issue Date: 8/29/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: SMX14RLSFS2W-2000LM-2700K
 Description: 14IN ROUND, 90CRI, DIMMING TO 10%, DAMP LOCATION
 Light Source: SELECTABLE CCT 90CRI / 2700K CCT
 Ballast/Driver: -

Summary

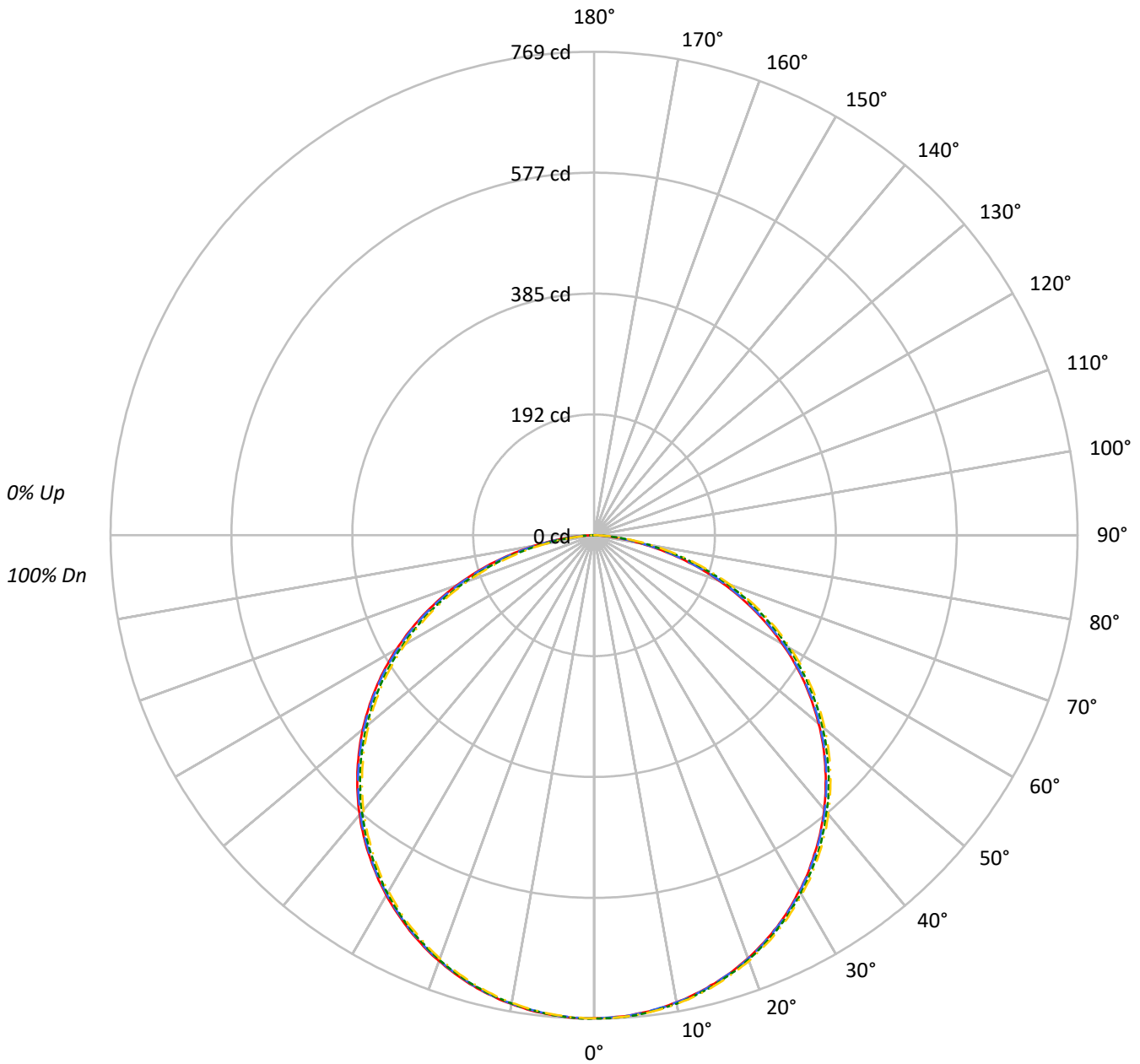
Lumens per Lamp: N/A
 Luminaire Lumens: 2250.0 lumens
 Efficiency: N/A
 Efficacy: 85.2 lumens/watt
 Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
 Luminous Opening: Circular (Dia: 1.17' x H: 0')
 CIE Type: Direct

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	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			
1	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84					84			
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	79	75	72	69					69			
3	90	79	71	64	87	78	70	64	75	68	63	72	66	61	69	64	60	58					58			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	62	56	52	49					49			
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	49	45	43					43			
6	70	56	47	41	68	55	47	40	53	46	40	52	45	40	50	44	39	37					37			
7	64	51	42	36	63	50	42	36	48	41	35	47	40	35	46	39	35	33					33			
8	60	46	38	32	58	46	37	32	44	37	32	43	36	31	42	36	31	29					29			
9	56	42	34	29	55	42	34	29	41	33	28	40	33	28	39	33	28	26					26			
10	53	39	31	26	51	39	31	26	38	31	26	37	30	26	36	30	25	24					24			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	7733	7733	7733	7733
5°	7722	7741	7739	7739
10°	7709	7730	7734	7725
15°	7692	7715	7732	7716
20°	7667	7691	7720	7698
25°	7637	7671	7707	7673
30°	7587	7641	7682	7638
35°	7539	7607	7652	7597
40°	7480	7561	7621	7548
45°	7399	7506	7577	7479
50°	7297	7425	7521	7391
55°	7164	7328	7432	7279
60°	6960	7171	7304	7099
65°	6672	6951	7120	6846
70°	6232	6608	6826	6455
75°	5552	6073	6357	5840
80°	4462	5181	5592	4839
85°	2725	3706	4330	3233

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.8	3.2
10°-20°	209.0	9.3
20°-30°	318.3	14.1
30°-40°	387.0	17.2
40°-50°	405.8	18.0
50°-60°	371.4	16.5
60°-70°	286.1	12.7
70°-80°	161.8	7.2
80°-90°	37.8	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°	600.1	26.7
0°-40°	987.0	43.9
0°-60°	1764.3	78.4
0°-90°	2250.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2250.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	768	768	768	768	768	
5°	764	766	766	766	764	73
15°	738	740	742	741	738	208
25°	688	691	694	691	688	317
35°	614	619	623	618	614	384
45°	520	527	532	526	520	401
55°	408	418	424	415	408	364
65°	280	292	299	288	280	277
75°	143	156	164	150	143	151
85°	24	32	38	28	24	31
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4	768.4
0.5°	768.1	767.9	768.0	768.7	768.9	769.2	768.6	768.3	768.2	768.0	768.2
1°	768.2	767.5	767.8	768.8	768.9	768.9	768.6	768.2	768.5	768.1	767.8
1.5°	767.9	767.7	767.6	768.2	768.7	768.8	768.6	768.4	768.7	767.7	767.9
2°	767.7	767.0	767.3	767.7	768.8	768.6	768.2	768.3	768.5	767.5	767.9
2.5°	767.0	766.9	767.4	768.0	768.2	768.3	768.1	768.1	768.2	767.5	767.6
3°	766.7	766.5	766.9	767.3	767.9	768.1	767.6	767.7	767.9	767.5	767.3
3.5°	766.6	766.1	766.7	766.9	767.9	767.9	767.5	767.5	767.3	767.1	766.9
4°	766.1	765.5	766.1	766.5	767.3	767.3	767.0	766.9	766.7	766.8	767.0
4.5°	765.3	764.8	765.4	765.6	766.6	766.8	766.5	766.6	766.3	766.3	765.9
5°	764.4	763.8	764.8	765.5	766.3	766.0	766.0	766.1	766.1	765.6	765.6
5.5°	763.5	763.1	764.1	764.2	765.4	765.4	765.3	765.3	765.4	765.3	765.1
6°	762.9	762.4	763.3	763.3	764.8	764.6	764.7	764.7	764.8	764.6	764.2
6.5°	762.4	761.7	762.7	762.7	763.8	763.9	764.3	764.1	764.0	764.0	763.4
7°	761.5	760.9	761.2	761.8	762.9	762.6	763.4	763.1	763.5	763.1	762.5
7.5°	760.7	759.9	760.1	760.8	761.9	761.8	762.4	762.2	762.9	762.3	761.4
8°	759.6	759.1	759.0	759.9	760.8	760.7	761.5	761.5	761.9	761.5	761.0
8.5°	758.3	757.8	758.5	759.0	759.9	759.6	760.1	760.1	760.3	760.3	759.7
9°	757.0	756.8	757.2	757.6	758.6	759.2	759.6	759.2	759.3	758.9	759.0
9.5°	755.6	755.5	755.9	756.7	757.5	757.5	758.1	758.0	758.5	758.1	757.5
10°	754.4	754.3	754.3	755.6	756.5	756.5	757.0	757.0	756.9	757.2	756.7
10.5°	753.0	753.2	753.5	754.1	755.1	755.3	755.5	755.9	756.1	755.9	755.3
11°	752.2	751.4	752.1	753.0	753.7	753.9	754.1	754.4	754.9	754.3	754.0
11.5°	750.2	749.9	751.1	751.2	752.3	752.3	753.3	753.2	753.6	752.8	752.5
12°	748.6	748.5	749.3	749.8	751.1	751.0	751.8	751.7	752.2	751.5	751.1
12.5°	746.7	747.2	747.7	748.2	749.2	749.8	749.9	750.6	750.1	750.5	749.8
13°	745.5	745.5	745.9	746.1	747.6	748.3	748.6	748.9	749.1	748.7	748.4
13.5°	743.6	743.6	744.4	745.0	746.0	746.6	747.0	747.3	747.6	746.7	746.8
14°	742.1	741.8	742.5	743.2	744.3	744.8	745.3	745.3	745.8	745.2	744.8
14.5°	739.6	739.8	740.5	741.8	742.4	742.8	743.7	744.0	744.1	743.9	743.1
15°	738.3	737.8	739.0	739.1	740.5	741.0	741.6	742.4	742.2	741.8	741.7
15.5°	736.2	735.9	736.6	737.3	738.5	739.0	739.7	740.3	740.5	739.9	739.4
16°	734.0	734.2	734.4	735.6	736.6	737.0	737.8	737.8	738.6	737.8	737.0
16.5°	732.1	732.3	732.3	733.5	734.2	734.8	735.8	735.8	736.5	736.1	735.2
17°	730.2	730.3	730.8	731.4	732.3	732.6	733.8	733.9	734.0	734.3	733.3
17.5°	727.9	728.0	728.6	729.7	730.0	730.9	731.9	731.9	732.3	731.7	731.4
18°	725.6	725.5	726.2	727.2	728.2	728.8	729.7	730.0	730.2	729.9	729.0
18.5°	723.1	722.9	724.0	724.5	725.6	726.5	727.1	727.6	727.7	727.8	727.0
19°	720.8	720.6	721.8	722.1	723.0	724.2	724.9	725.2	725.8	725.2	724.4
19.5°	718.2	718.3	719.2	720.1	720.9	721.5	722.9	722.9	722.8	723.2	722.1
20°	715.9	715.7	716.6	717.4	718.2	719.5	720.5	720.9	720.9	720.7	719.8
20.5°	713.4	713.0	713.9	715.2	715.8	716.9	717.9	718.5	718.2	718.3	717.5
21°	710.9	710.7	711.2	712.2	713.3	714.0	715.4	716.0	716.0	715.7	714.6
21.5°	708.1	707.8	708.8	709.8	710.8	711.8	712.8	713.5	713.7	713.0	712.2
22°	705.1	705.4	706.3	706.8	707.8	709.1	710.5	710.8	710.8	710.2	709.4

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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°	702.5	702.2	703.3	704.0	705.3	706.3	707.4	708.0	708.2	707.7	707.0
23°	699.6	699.4	700.0	701.6	702.5	703.4	704.9	705.6	705.1	705.1	704.0
23.5°	696.5	696.5	697.0	698.4	699.5	700.4	702.2	702.3	702.2	702.5	701.0
24°	693.6	693.6	694.5	695.4	696.8	698.0	699.4	699.6	699.5	699.7	698.3
24.5°	690.4	690.7	691.3	692.5	694.0	694.7	696.3	696.8	696.8	696.4	695.5
25°	687.8	687.4	688.5	689.3	690.9	691.8	693.4	693.8	694.1	693.8	692.3
25.5°	684.3	684.7	685.1	686.2	687.5	688.9	690.3	691.0	690.7	690.7	689.3
26°	681.1	681.6	681.9	683.2	684.7	686.1	687.0	687.8	687.4	687.8	686.4
26.5°	677.8	677.8	678.4	679.9	681.4	682.5	684.2	684.6	684.3	684.3	683.0
27°	674.9	674.7	675.5	676.3	678.7	679.2	680.9	681.7	681.1	681.3	679.5
27.5°	671.0	671.1	672.1	672.9	675.1	676.0	677.3	678.1	678.0	678.0	676.5
28°	667.5	667.7	668.7	669.7	671.3	673.0	674.3	674.9	674.7	674.6	673.2
28.5°	663.9	664.2	664.9	665.8	668.1	669.3	670.8	671.3	671.3	670.9	669.8
29°	660.4	661.0	661.5	662.6	664.6	665.8	667.7	668.1	668.1	667.6	666.5
29.5°	656.3	656.8	657.9	659.1	661.4	662.2	664.2	664.7	664.9	664.6	663.0
30°	652.9	653.3	654.1	655.7	657.6	658.9	660.7	661.2	661.1	661.0	659.2
30.5°	649.8	649.8	650.9	652.2	654.2	655.2	656.8	657.6	657.4	657.5	655.9
31°	645.9	646.6	646.7	648.1	650.9	651.4	653.2	654.5	653.7	653.9	652.4
31.5°	642.0	642.2	643.2	644.7	646.8	648.1	649.8	650.4	650.4	650.5	648.8
32°	638.5	638.7	639.5	640.9	643.0	644.4	646.5	646.9	647.0	647.0	644.9
32.5°	634.5	634.9	635.1	636.5	638.9	640.5	642.4	643.5	642.7	642.7	641.4
33°	630.3	631.1	631.2	632.8	635.3	636.2	638.5	639.3	638.5	639.0	637.5
33.5°	625.9	626.8	627.5	629.0	631.1	632.4	634.3	635.7	634.9	634.9	633.5
34°	622.1	622.8	623.1	625.0	627.5	628.7	630.4	631.7	630.9	631.0	629.5
34.5°	617.7	618.5	619.4	620.9	623.4	624.7	626.6	627.7	626.9	627.0	625.5
35°	613.7	614.4	615.3	616.5	619.2	620.5	622.6	623.3	622.9	622.9	621.7
35.5°	609.5	609.9	611.0	612.3	615.1	616.5	618.2	619.1	619.1	619.0	617.6
36°	605.3	605.6	606.4	608.0	610.9	612.5	614.5	615.2	615.2	614.7	613.3
36.5°	601.1	601.3	602.5	603.9	607.1	607.9	610.3	611.0	611.0	611.1	609.0
37°	596.7	596.9	597.9	599.5	602.5	604.0	605.9	607.1	606.7	606.7	605.1
37.5°	591.9	592.6	593.4	595.2	597.9	599.5	601.6	602.4	602.2	602.1	600.8
38°	587.3	588.2	589.2	590.6	593.6	595.6	597.6	598.2	597.7	597.5	596.5
38.5°	583.1	583.7	584.4	585.9	589.2	590.8	593.1	593.7	593.7	593.2	592.1
39°	578.6	578.7	580.0	581.6	584.4	586.2	588.6	589.6	589.3	588.9	587.3
39.5°	574.1	574.1	575.5	577.1	579.8	581.9	584.4	585.0	584.7	584.4	582.5
40°	569.4	570.1	570.9	572.7	575.6	577.6	579.3	580.6	580.1	580.0	578.0
40.5°	564.3	565.0	566.4	568.0	571.0	573.0	574.9	575.9	575.7	575.4	573.5
41°	559.7	560.7	561.5	563.5	566.5	568.5	570.2	571.4	571.3	570.7	569.1
41.5°	554.9	555.7	556.7	558.8	561.8	563.9	565.7	566.5	566.6	565.9	564.2
42°	550.0	550.8	551.6	553.9	556.9	558.9	560.8	561.7	561.5	561.2	559.6
42.5°	544.9	546.0	546.7	549.0	552.2	553.9	556.0	557.1	556.8	556.7	554.8
43°	539.9	540.9	541.7	544.0	547.2	549.3	551.4	552.6	552.0	551.6	550.0
43.5°	535.2	535.9	537.0	539.1	542.0	544.2	546.2	547.7	547.2	546.6	545.1
44°	530.4	530.7	531.8	533.9	537.2	539.4	541.5	542.5	542.2	541.7	540.3
44.5°	524.8	525.5	527.0	529.0	532.4	534.5	536.3	537.3	537.2	536.7	535.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	519.9	520.4	521.8	524.1	527.4	529.4	531.4	532.5	532.4	532.0	530.1
45.5°	515.0	515.1	516.6	518.8	522.2	524.1	526.4	527.0	527.4	526.8	524.9
46°	509.6	510.0	511.2	513.7	516.8	519.0	521.3	522.2	522.4	521.9	520.1
46.5°	504.4	504.7	505.9	508.1	511.6	513.9	516.2	516.9	517.0	516.6	514.8
47°	499.0	499.5	500.9	503.2	506.3	508.7	511.0	511.8	511.9	511.2	509.5
47.5°	493.8	494.0	495.7	497.9	501.2	503.5	505.7	506.7	506.6	506.2	504.4
48°	488.3	488.7	490.5	492.5	496.0	498.2	500.6	501.5	501.4	500.8	499.4
48.5°	482.9	483.3	484.9	487.0	490.7	492.8	495.2	496.3	496.3	495.5	494.0
49°	477.6	477.8	479.5	481.6	485.2	487.3	490.0	491.0	490.9	490.2	488.7
49.5°	472.0	472.4	473.9	476.3	479.7	482.0	484.4	485.2	485.7	485.0	483.3
50°	466.1	466.7	468.3	470.6	474.3	476.8	479.3	480.2	480.4	479.7	477.5
50.5°	460.6	460.9	462.8	465.3	468.7	471.3	473.7	474.6	474.6	474.0	472.1
51°	455.0	455.3	457.0	459.5	463.4	465.7	467.9	469.2	469.3	468.2	466.7
51.5°	449.2	449.7	451.4	453.9	457.6	460.2	462.5	463.6	463.7	462.8	460.9
52°	443.4	443.9	445.5	448.2	452.3	454.6	457.2	458.3	458.0	457.1	455.6
52.5°	437.5	438.2	440.0	442.4	446.5	448.8	451.4	452.5	452.2	451.5	449.6
53°	431.9	432.5	434.4	436.7	440.7	443.2	445.7	446.9	446.6	446.0	444.0
53.5°	426.0	426.3	428.4	430.7	435.1	437.6	439.6	441.0	440.8	440.2	438.4
54°	420.1	420.2	422.2	424.7	429.3	431.5	434.1	435.4	435.0	434.7	432.4
54.5°	414.3	414.9	416.5	418.8	423.2	425.9	428.4	429.4	429.3	428.7	426.5
55°	408.3	408.9	410.6	413.3	417.7	420.2	422.7	424.0	423.6	422.9	420.7
55.5°	402.3	402.6	404.7	407.0	411.7	414.4	416.7	418.1	417.9	416.9	415.1
56°	396.2	396.6	398.5	401.1	405.9	408.2	411.1	412.3	411.9	411.0	409.1
56.5°	389.8	390.5	392.6	394.9	399.7	402.2	404.8	406.0	406.1	404.7	403.3
57°	383.6	384.4	386.3	388.6	393.5	396.4	399.0	400.4	399.9	398.9	397.2
57.5°	377.5	378.0	380.0	382.5	387.4	390.0	392.7	393.9	393.9	392.9	391.0
58°	371.6	371.9	373.7	376.5	381.3	384.1	386.8	387.9	387.6	386.6	384.9
58.5°	365.1	365.4	367.6	370.2	375.1	377.9	380.5	381.8	381.9	380.5	378.8
59°	358.7	359.5	361.2	364.0	369.0	371.8	374.4	375.6	375.7	374.1	372.4
59.5°	352.1	353.0	354.8	357.6	362.7	365.6	368.1	369.4	369.1	368.2	366.2
60°	345.8	346.5	348.8	351.5	356.3	359.3	361.9	363.2	362.9	361.8	359.9
60.5°	339.7	340.2	341.9	344.9	349.7	353.1	355.6	356.9	356.7	355.6	353.6
61°	333.4	334.0	335.8	338.9	343.4	346.7	349.4	350.6	350.3	349.0	347.6
61.5°	326.6	327.3	329.3	332.3	337.1	340.3	342.8	344.1	344.2	342.9	341.1
62°	320.0	320.9	323.0	325.7	331.2	334.3	336.7	337.9	337.8	336.7	334.8
62.5°	313.2	314.3	316.0	319.0	324.6	327.8	330.5	331.6	331.5	330.2	328.3
63°	306.7	307.8	309.6	312.6	318.0	321.3	323.8	325.2	325.0	323.8	321.9
63.5°	300.1	301.2	303.1	305.9	311.5	314.7	317.5	318.6	318.6	317.4	315.3
64°	293.3	294.4	296.6	299.5	304.8	308.4	310.8	311.8	311.9	310.7	308.9
64.5°	287.0	288.0	289.9	292.9	298.4	301.5	304.3	305.4	305.4	304.2	302.0
65°	280.2	281.2	283.4	286.4	291.9	295.2	298.0	299.0	299.0	297.8	295.9
65.5°	273.5	274.6	276.6	279.9	285.5	288.6	291.3	292.4	292.5	291.4	288.9
66°	266.6	267.7	269.7	272.8	278.5	281.9	284.5	285.8	285.6	284.6	282.4
66.5°	259.9	261.1	262.8	265.9	271.8	275.0	277.6	279.0	278.8	277.5	275.6
67°	253.5	254.2	256.2	259.4	265.1	268.4	271.0	272.3	272.2	271.2	268.7

TEST NUMBER: P869661
 CATALOG NUMBER: SMX14RLSFS2W-2000LM-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	246.3	247.5	249.6	252.6	258.4	261.5	264.2	265.7	265.7	264.4	262.1
68°	239.6	240.4	242.7	245.8	251.6	255.0	257.9	258.9	259.0	257.6	255.6
68.5°	232.6	233.7	235.8	239.0	245.1	248.4	250.9	252.2	252.2	250.9	249.0
69°	225.6	226.6	228.9	232.1	238.2	241.5	244.3	245.5	245.5	244.1	242.4
69.5°	218.8	219.7	222.2	225.0	231.4	234.9	237.5	238.7	238.8	237.3	235.1
70°	211.8	212.9	215.2	218.2	224.6	227.9	230.7	231.8	232.0	230.6	228.3
70.5°	205.1	206.0	208.3	211.6	218.0	221.0	223.8	225.2	225.2	223.9	221.5
71°	198.1	198.9	201.4	204.4	211.1	214.5	217.3	218.5	218.5	217.0	214.8
71.5°	191.0	192.1	194.3	197.4	204.1	207.7	210.3	211.5	211.6	210.2	207.8
72°	184.3	185.2	187.5	190.6	197.0	200.7	203.6	204.6	204.8	203.3	200.9
72.5°	177.5	178.5	180.8	183.9	190.3	193.9	196.6	197.9	198.0	196.5	194.1
73°	170.5	171.5	173.9	176.7	183.3	186.9	189.7	190.8	191.0	189.5	187.0
73.5°	163.5	164.5	166.9	169.9	176.7	180.2	182.9	184.1	184.2	182.7	180.4
74°	156.5	157.7	160.0	163.0	169.9	173.4	176.3	177.2	177.4	175.9	173.7
74.5°	149.6	150.8	153.2	156.1	162.9	166.5	169.3	170.5	170.6	169.2	166.6
75°	142.8	143.9	146.3	149.3	156.2	159.5	162.3	163.5	163.5	162.2	159.8
75.5°	136.1	137.1	139.5	142.6	149.2	152.7	155.4	156.7	156.6	155.3	152.9
76°	129.2	130.3	132.7	135.7	142.3	145.8	148.4	149.8	150.0	148.4	146.0
76.5°	122.3	123.6	125.9	128.8	135.7	139.3	141.8	142.9	143.0	141.7	139.1
77°	115.6	116.7	119.2	122.2	128.8	132.3	135.0	136.3	136.1	134.9	132.6
77.5°	109.2	110.4	112.7	115.7	122.1	125.6	128.3	129.4	129.5	128.1	125.7
78°	102.5	103.7	106.0	108.8	115.5	119.0	121.7	122.6	122.7	121.3	119.1
78.5°	96.0	97.1	99.5	102.6	108.7	112.1	114.9	116.0	116.1	114.7	112.3
79°	89.6	90.7	93.2	96.1	102.4	105.5	108.1	109.3	109.3	108.0	105.8
79.5°	83.2	84.3	86.7	89.6	95.9	99.2	101.9	102.9	102.9	101.7	99.1
80°	77.0	77.9	80.4	83.2	89.4	92.8	95.3	96.4	96.5	95.2	93.0
80.5°	70.7	71.9	74.1	76.9	83.2	86.5	89.0	90.1	90.1	88.7	86.3
81°	64.8	65.9	68.0	70.8	76.9	80.0	82.5	83.8	83.8	82.5	80.2
81.5°	58.9	60.2	62.1	64.9	70.8	73.8	76.2	77.4	77.3	76.0	73.8
82°	53.1	54.2	56.3	58.9	64.6	67.8	70.1	71.2	71.3	70.0	67.7
82.5°	47.7	48.8	50.8	53.3	58.9	61.9	64.2	65.2	65.2	64.0	61.8
83°	42.3	43.4	45.3	47.6	53.2	56.2	58.5	59.7	59.5	58.4	56.1
83.5°	37.3	38.2	40.1	42.3	47.6	50.3	52.7	53.8	53.7	52.4	50.4
84°	32.3	33.3	35.2	37.3	42.0	45.0	47.1	48.1	48.1	46.8	44.8
84.5°	27.7	28.7	30.3	32.6	37.0	39.5	41.7	42.7	42.6	41.5	39.6
85°	23.6	24.4	26.1	27.8	32.1	34.6	36.6	37.6	37.5	36.3	34.7
85.5°	19.4	20.1	21.7	23.7	27.4	29.8	31.6	32.5	32.5	31.4	29.7
86°	15.8	16.2	17.8	19.5	23.5	25.3	27.0	27.8	27.7	26.7	25.2
86.5°	11.9	12.6	14.0	15.8	19.6	21.5	23.0	23.8	23.8	22.8	21.2
87°	8.6	9.1	10.2	12.0	15.8	17.7	19.2	20.0	19.9	19.0	17.5
87.5°	6.3	6.5	7.4	8.7	12.4	14.1	15.6	16.1	16.0	15.3	13.9
88°	3.9	4.3	5.0	6.3	9.2	10.6	12.0	12.7	12.6	11.8	10.6
88.5°	2.3	2.6	3.2	4.1	6.4	7.7	8.8	9.4	9.3	8.6	7.5
89°	1.4	1.5	1.9	2.4	4.0	5.2	6.1	6.6	6.5	5.9	5.1
89.5°	1.0	0.9	1.1	1.4	2.2	3.2	3.8	4.2	4.2	3.7	2.9

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



TEST NUMBER: P869661
CATALOG NUMBER: SMX14RLSFSD2W-2000LM-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

TEST NUMBER: P869661
 CATALOG NUMBER: SMX14RLSFSD2W-2000LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	768.4	768.4	768.4	768.4	768.4	768.4
0.5°	768.4	769.1	768.8	768.4	768.6	768.1
1°	768.4	769.1	768.6	768.2	768.4	768.2
1.5°	768.5	769.0	768.5	767.8	767.7	767.9
2°	768.2	768.6	768.2	767.9	767.7	767.7
2.5°	767.8	768.2	768.0	767.5	767.2	767.0
3°	767.5	767.6	767.8	767.2	767.3	766.7
3.5°	767.4	767.4	767.2	766.8	767.0	766.6
4°	767.0	766.9	766.5	765.7	765.5	766.1
4.5°	766.2	766.4	766.3	765.3	765.4	765.3
5°	765.5	766.1	765.4	764.7	764.3	764.4
5.5°	765.4	765.0	765.2	764.2	764.2	763.5
6°	764.5	764.3	764.1	763.3	763.5	762.9
6.5°	763.4	763.1	763.2	762.4	762.5	762.4
7°	762.5	762.5	762.4	761.7	761.8	761.5
7.5°	761.7	761.7	761.5	760.7	761.2	760.7
8°	760.6	760.4	760.4	759.7	760.3	759.6
8.5°	759.9	759.5	759.1	758.7	758.9	758.3
9°	759.1	758.7	758.4	757.2	757.5	757.0
9.5°	757.8	757.5	757.1	755.9	756.3	755.6
10°	756.4	756.0	755.7	755.1	755.0	754.4
10.5°	755.2	754.9	754.4	753.5	753.1	753.0
11°	753.9	753.5	753.1	752.3	751.6	752.2
11.5°	752.4	752.0	751.6	750.7	750.5	750.2
12°	751.0	750.6	750.1	749.3	749.2	748.6
12.5°	749.5	749.2	748.7	747.4	747.3	746.7
13°	747.7	747.9	747.0	746.0	745.8	745.5
13.5°	746.0	745.9	745.3	744.2	744.2	743.6
14°	744.6	744.1	743.9	742.4	742.0	742.1
14.5°	742.4	742.4	741.9	740.6	740.4	739.6
15°	740.8	740.6	739.9	738.7	738.3	738.3
15.5°	739.3	738.7	737.9	736.7	736.5	736.2
16°	737.0	736.7	735.8	734.5	734.4	734.0
16.5°	735.1	734.7	733.7	732.3	732.1	732.1
17°	733.2	732.5	731.4	730.5	730.2	730.2
17.5°	731.3	730.2	729.6	728.2	728.2	727.9
18°	728.8	728.1	726.7	725.9	725.5	725.6
18.5°	726.8	726.1	725.1	723.6	723.6	723.1
19°	724.4	723.6	722.6	721.5	720.9	720.8
19.5°	721.9	721.1	720.5	719.3	718.6	718.2
20°	719.6	718.8	717.7	716.6	716.3	715.9
20.5°	717.2	716.0	715.1	713.8	713.7	713.4
21°	714.4	713.6	712.5	711.3	710.6	710.9
21.5°	711.6	710.9	709.8	708.6	708.0	708.1
22°	709.0	708.2	707.0	705.7	704.8	705.1

TEST NUMBER: P869661
 CATALOG NUMBER: SMX14RLSFSD2W-2000LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	706.1	705.2	704.3	702.7	702.3	702.5
23°	703.5	702.8	701.6	699.8	699.3	699.6
23.5°	700.6	699.9	699.0	697.0	696.6	696.5
24°	697.7	697.0	695.6	693.9	693.5	693.6
24.5°	695.1	693.8	692.8	690.7	690.4	690.4
25°	692.3	691.0	689.8	688.3	687.7	687.8
25.5°	689.1	688.1	686.4	685.0	684.6	684.3
26°	685.7	685.0	683.3	682.1	681.2	681.1
26.5°	682.2	681.4	680.0	678.5	678.0	677.8
27°	679.2	678.2	676.9	675.0	674.5	674.9
27.5°	676.4	674.6	673.4	671.8	671.1	671.0
28°	672.4	671.3	670.2	667.8	667.2	667.5
28.5°	669.2	668.0	666.6	664.6	663.5	663.9
29°	666.0	664.5	662.8	661.1	660.2	660.4
29.5°	662.5	660.9	659.3	657.3	656.6	656.3
30°	659.0	657.3	656.1	653.7	653.3	652.9
30.5°	655.2	653.8	652.4	650.4	649.5	649.8
31°	651.8	650.0	648.0	646.7	645.8	645.9
31.5°	648.2	645.7	644.6	643.0	642.0	642.0
32°	644.3	642.4	640.7	639.0	637.9	638.5
32.5°	640.6	638.5	637.1	635.0	634.1	634.5
33°	636.5	634.5	633.1	631.1	630.3	630.3
33.5°	632.6	630.4	628.8	627.1	626.1	625.9
34°	628.5	626.8	624.6	622.7	622.0	622.1
34.5°	624.8	622.3	620.6	618.7	617.5	617.7
35°	620.4	618.4	616.1	614.6	613.6	613.7
35.5°	616.5	614.3	612.7	610.5	609.4	609.5
36°	612.1	610.2	608.2	606.0	605.2	605.3
36.5°	608.2	605.5	603.6	601.6	600.7	601.1
37°	603.6	601.4	598.9	597.7	596.6	596.7
37.5°	599.9	597.3	595.3	593.4	592.2	591.9
38°	595.0	592.6	590.4	588.5	587.3	587.3
38.5°	590.6	588.0	585.8	583.9	583.1	583.1
39°	585.9	583.5	581.2	579.7	578.7	578.6
39.5°	581.7	578.7	576.9	574.9	574.0	574.1
40°	576.8	574.6	572.5	570.3	569.5	569.4
40.5°	572.7	570.0	567.5	565.7	564.9	564.3
41°	567.6	565.2	562.6	560.9	559.9	559.7
41.5°	563.4	560.3	557.9	555.9	554.8	554.9
42°	558.4	555.4	553.1	550.8	550.1	550.0
42.5°	553.4	550.5	548.3	546.1	545.1	544.9
43°	548.7	545.4	543.4	541.2	540.2	539.9
43.5°	543.8	540.6	538.7	536.1	535.4	535.2
44°	538.6	535.7	533.4	531.0	530.1	530.4
44.5°	533.9	530.6	528.4	526.1	524.9	524.8

TEST NUMBER: P869661
 CATALOG NUMBER: SMX14RLSFSD2W-2000LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	528.8	525.5	523.2	521.1	520.0	519.9
45.5°	523.7	520.3	518.1	515.5	515.1	515.0
46°	518.4	515.5	512.7	510.7	509.6	509.6
46.5°	513.3	509.8	507.5	505.4	504.0	504.4
47°	508.2	504.8	502.1	500.2	498.6	499.0
47.5°	502.8	499.4	496.8	495.0	493.4	493.8
48°	497.5	494.0	491.6	489.6	488.2	488.3
48.5°	492.5	488.7	486.2	484.0	483.2	482.9
49°	487.0	483.5	480.8	478.4	477.6	477.6
49.5°	481.3	477.9	475.3	472.9	471.7	472.0
50°	475.9	472.1	469.6	467.5	466.3	466.1
50.5°	470.2	466.6	464.1	461.9	460.8	460.6
51°	464.7	461.1	458.4	456.1	455.2	455.0
51.5°	459.6	455.5	452.9	450.5	449.3	449.2
52°	453.7	449.8	447.3	445.0	443.5	443.4
52.5°	447.9	443.8	441.4	439.1	437.9	437.5
53°	442.1	438.1	435.7	433.2	431.8	431.9
53.5°	436.4	432.3	429.5	427.1	425.9	426.0
54°	430.4	426.3	423.8	421.4	420.0	420.1
54.5°	424.8	420.6	418.0	415.6	414.5	414.3
55°	418.9	414.9	412.0	409.6	408.5	408.3
55.5°	413.1	408.6	405.9	403.8	402.4	402.3
56°	407.1	402.5	400.1	397.6	396.1	396.2
56.5°	401.0	396.6	393.7	391.3	390.3	389.8
57°	394.9	390.5	387.7	385.1	383.7	383.6
57.5°	388.9	384.2	381.3	378.8	377.5	377.5
58°	382.7	378.0	375.1	372.6	371.4	371.6
58.5°	376.7	371.9	368.9	366.2	365.0	365.1
59°	370.5	365.5	362.4	359.9	358.7	358.7
59.5°	363.9	359.4	356.4	353.3	352.0	352.1
60°	357.6	352.7	349.7	347.0	345.9	345.8
60.5°	351.4	346.3	343.3	340.4	339.5	339.7
61°	344.9	340.0	337.0	334.6	333.1	333.4
61.5°	338.7	333.5	330.6	327.9	326.6	326.6
62°	332.4	327.0	324.1	321.3	320.1	320.0
62.5°	325.9	320.3	317.4	314.5	313.2	313.2
63°	319.4	313.9	310.8	308.1	306.9	306.7
63.5°	312.8	307.0	304.2	301.6	300.2	300.1
64°	306.2	300.6	297.6	295.1	293.8	293.3
64.5°	299.6	294.2	291.0	288.5	287.0	287.0
65°	293.2	287.5	284.2	281.7	280.2	280.2
65.5°	286.6	280.6	277.6	274.9	273.7	273.5
66°	279.7	274.1	270.8	267.8	266.6	266.6
66.5°	272.8	267.1	263.9	261.2	259.9	259.9
67°	266.2	260.6	257.2	254.6	253.1	253.5

TEST NUMBER: P869661
 CATALOG NUMBER: SMX14RLSFSD2W-2000LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	259.9	253.7	250.3	248.0	246.1	246.3
68°	253.0	246.9	243.3	240.8	239.6	239.6
68.5°	246.1	240.0	236.6	233.8	232.5	232.6
69°	239.2	233.1	229.6	227.2	225.4	225.6
69.5°	232.5	226.2	222.8	220.0	218.6	218.8
70°	225.7	219.4	216.1	213.1	212.1	211.8
70.5°	218.8	212.4	209.1	206.5	205.2	205.1
71°	211.9	205.3	202.2	199.4	197.9	198.1
71.5°	205.2	198.4	195.2	192.5	190.8	191.0
72°	198.2	191.6	188.3	185.5	184.3	184.3
72.5°	191.3	184.8	181.6	178.8	177.4	177.5
73°	184.2	177.8	174.4	171.6	170.6	170.5
73.5°	177.5	170.9	167.7	164.9	163.3	163.5
74°	170.8	164.1	160.5	157.9	156.5	156.5
74.5°	163.8	157.1	153.8	150.9	149.5	149.6
75°	156.7	150.2	146.9	144.2	143.0	142.8
75.5°	150.0	143.3	140.1	137.2	135.7	136.1
76°	143.0	136.4	133.2	130.5	129.2	129.2
76.5°	136.4	129.6	126.2	123.7	122.4	122.3
77°	129.5	123.0	119.7	117.0	115.6	115.6
77.5°	122.7	116.3	113.1	110.6	109.2	109.2
78°	116.1	109.5	106.3	103.9	102.5	102.5
78.5°	109.3	103.0	100.0	97.3	96.2	96.0
79°	102.8	96.5	93.4	90.9	89.7	89.6
79.5°	96.2	90.0	87.0	84.4	83.2	83.2
80°	90.0	83.5	80.4	78.0	76.8	77.0
80.5°	83.6	77.4	74.4	71.8	70.6	70.7
81°	77.3	71.1	68.1	65.9	64.8	64.8
81.5°	71.0	65.3	62.4	60.0	58.9	58.9
82°	65.0	59.4	56.5	54.2	53.1	53.1
82.5°	59.3	53.8	51.0	48.9	47.7	47.7
83°	53.5	48.0	45.5	43.4	42.4	42.3
83.5°	47.8	42.7	40.2	38.2	37.2	37.3
84°	42.3	37.7	35.2	33.2	32.3	32.3
84.5°	37.3	32.8	30.5	28.7	27.7	27.7
85°	32.3	28.0	26.1	24.4	23.7	23.6
85.5°	27.5	24.0	21.8	20.3	19.5	19.4
86°	23.4	19.8	17.9	16.3	15.7	15.8
86.5°	19.6	15.9	14.0	12.5	11.9	11.9
87°	15.8	12.2	10.3	9.2	8.5	8.6
87.5°	12.3	8.8	7.5	6.6	6.2	6.3
88°	9.2	6.3	5.2	4.3	4.0	3.9
88.5°	6.3	4.1	3.3	2.8	2.4	2.3
89°	4.1	2.6	2.0	1.5	1.4	1.4
89.5°	2.1	1.5	1.2	1.0	1.3	1.0

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



TEST NUMBER: P869661
CATALOG NUMBER: SMX14RLSFSD2W-2000LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
90°	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)