

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: P869732

Luminaire Tested: **SMX18SLSFS010-2000LM-3000K**

Issue Date: 8/29/2024

Tested By:

Approved By:



Cooper Lighting Solutions laboratories have been accredited by National Voluntary Laboratory Accreditation Program (NVLAP) that it adheres to the requirements of ISO/IEC 17025:2005 and appropriate IESNA test methods. This report must not be used to claim product certification, approval or endorsement by NVLAP, NIST or any agency of the Federal Government. Results contained in this report are valid for luminaire sample tested, as supplied by requestor. Information related to the luminaire tested has been supplied by requestor and can affect the validity of the test results. Report shall not be reproduced except in full without approval of Cooper Lighting Solutions Lighting Laboratory. Test performed at address noted above.

Test Information

Test Method: LM-79-08
 Report Number: P869732
 Test Lab:
 Issue Date: 8/29/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: SMX18SLSFS010-2000LM-3000K
 Description: 18IN SQUARE, 90CRI, DIMMING TO 10%, DAMP LOCATION
 Light Source: SELECTABLE CCT 90CRI / 3000K CCT
 Ballast/Driver: -

Summary

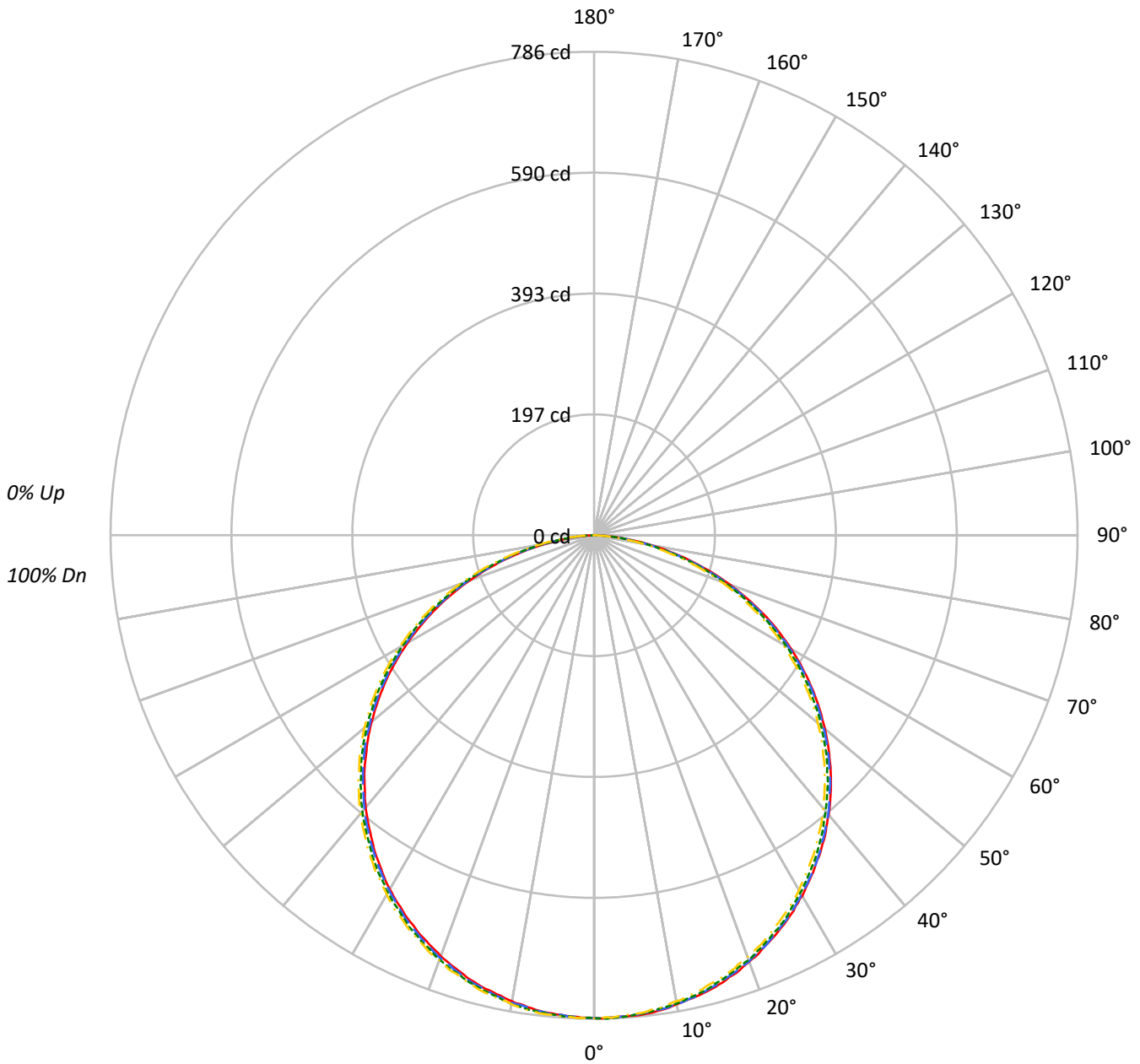
Lumens per Lamp: N/A
 Luminaire Lumens: 2292.8 lumens
 Efficiency: N/A
 Efficacy: 96.7 lumens/watt
 Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
 Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 23.7
 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

TEST NUMBER: P869732
CATALOG NUMBER: SMX18SLSFS010-2000LM-3000K

Luminous Intensity Polar Plot



— 0°-180° - - 45°-225° - - - 90°-270° - · - · 135°-315°

TEST NUMBER: P869732
 CATALOG NUMBER: SMX18SLSFS010-2000LM-3000K

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				
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	26	24				

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	3757	3757	3757	3757
5°	3765	3756	3747	3755
10°	3760	3757	3737	3758
15°	3768	3742	3724	3745
20°	3756	3742	3708	3738
25°	3748	3728	3686	3725
30°	3740	3706	3671	3703
35°	3725	3688	3641	3685
40°	3706	3658	3608	3660
45°	3680	3627	3565	3629
50°	3648	3587	3513	3578
55°	3603	3536	3450	3526
60°	3540	3455	3353	3440
65°	3449	3340	3216	3328
70°	3288	3163	3010	3147
75°	3046	2891	2695	2856
80°	2670	2446	2193	2402
85°	2047	1724	1356	1663

TEST NUMBER: P869732
 CATALOG NUMBER: SMX18SLSFS010-2000LM-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	3.2
10°-20°	213.5	9.3
20°-30°	325.1	14.2
30°-40°	394.6	17.2
40°-50°	413.3	18.0
50°-60°	377.9	16.5
60°-70°	290.9	12.7
70°-80°	164.4	7.2
80°-90°	38.7	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°	612.9	26.7
0°-40°	1007.5	43.9
0°-60°	1798.8	78.5
0°-90°	2292.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2292.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	785	785	785	785	785	
5°	784	782	780	782	784	75
15°	761	756	752	756	761	215
25°	710	706	698	706	710	327
35°	638	632	623	631	638	399
45°	544	536	527	536	544	420
55°	432	424	414	423	432	386
65°	305	295	284	294	305	301
75°	165	156	146	154	165	174
85°	37	31	25	30	37	45
90°	0	0	0	0	0	

TEST NUMBER: P869732
 CATALOG NUMBER: SMX18SLSFS010-2000LM-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4	785.4
0.5°	785.3	785.0	785.5	784.9	785.7	786.3	784.9	785.4	784.9	785.3	784.5
1°	785.9	784.6	785.6	785.4	785.3	785.6	784.3	784.8	784.4	785.0	785.4
1.5°	785.2	785.2	784.8	785.4	786.2	785.4	783.8	784.6	784.6	784.3	785.2
2°	784.7	784.2	784.6	785.2	785.9	785.1	784.8	783.8	783.6	783.7	783.7
2.5°	784.6	785.0	784.3	785.2	785.3	785.1	783.9	783.7	783.4	783.4	783.4
3°	783.5	785.1	784.1	784.4	784.6	784.4	782.9	784.2	783.2	782.5	783.6
3.5°	784.0	785.3	783.8	784.3	784.7	783.7	782.9	783.6	782.3	782.4	782.4
4°	783.8	784.4	783.6	784.5	784.2	783.2	781.3	782.9	781.6	782.7	781.6
4.5°	783.7	784.3	782.5	784.2	783.4	783.0	781.3	781.3	781.6	781.9	781.4
5°	784.0	783.6	782.5	783.0	782.2	782.7	780.6	780.9	780.2	780.0	782.1
5.5°	783.4	783.0	781.9	781.7	781.6	781.7	780.3	779.7	780.1	779.1	780.9
6°	783.0	783.0	781.3	781.8	781.6	780.1	779.7	779.5	779.4	778.4	779.5
6.5°	782.3	782.7	780.7	780.5	780.6	780.3	778.5	778.4	778.3	777.7	778.9
7°	781.8	782.1	780.0	780.1	779.7	779.3	776.4	776.9	777.3	776.5	778.8
7.5°	780.5	780.2	778.9	778.6	777.7	778.6	776.3	776.1	775.7	775.5	777.3
8°	779.6	778.6	778.4	778.4	776.5	777.7	775.7	774.8	774.9	774.5	775.0
8.5°	778.7	777.6	778.1	776.5	776.1	776.6	774.4	774.0	772.6	773.7	774.2
9°	777.6	776.3	776.8	776.0	775.0	775.6	772.5	773.0	771.7	772.1	773.0
9.5°	775.7	775.8	775.0	774.2	774.2	774.5	770.5	771.0	771.4	771.1	772.7
10°	774.1	774.1	773.5	773.7	773.3	773.0	769.5	769.6	769.3	770.5	771.3
10.5°	773.1	773.1	773.0	771.7	771.8	770.9	768.5	768.1	767.6	768.8	769.7
11°	771.7	771.7	771.8	771.0	770.1	769.7	766.8	767.6	766.1	766.5	768.0
11.5°	770.1	771.0	769.8	768.9	767.6	768.6	765.4	765.6	763.7	765.6	766.5
12°	769.4	769.0	768.9	767.2	766.8	767.3	763.2	764.9	762.7	763.4	765.6
12.5°	768.0	767.4	768.2	765.9	765.8	765.8	761.5	763.3	760.6	761.9	763.6
13°	766.6	767.1	766.2	764.0	764.0	764.0	760.3	761.0	759.2	760.6	761.2
13.5°	765.1	765.6	763.6	762.6	762.4	762.0	758.2	759.7	758.4	759.1	758.9
14°	763.6	764.0	761.9	761.6	760.8	758.7	755.5	757.6	756.5	757.7	757.9
14.5°	761.9	761.6	759.8	759.0	758.7	757.6	753.5	755.2	754.2	755.3	756.0
15°	760.7	759.5	758.3	758.0	755.6	756.1	752.2	753.3	751.9	752.4	754.7
15.5°	758.2	757.8	756.5	755.5	753.9	753.9	750.7	751.0	750.3	750.3	752.8
16°	756.8	755.6	754.1	753.8	752.7	752.2	748.6	748.9	748.3	749.0	750.7
16.5°	754.4	753.5	752.1	751.2	750.0	750.2	746.3	746.9	745.1	746.9	748.4
17°	751.5	751.0	749.9	749.9	747.8	747.9	744.2	745.1	742.5	743.9	745.3
17.5°	749.9	749.1	748.0	746.7	745.0	745.6	742.2	742.9	740.3	741.4	743.2
18°	748.3	747.2	745.8	744.5	743.4	742.9	740.2	740.0	737.9	739.0	741.1
18.5°	745.7	745.1	743.6	742.0	740.5	740.7	736.6	737.0	736.1	736.6	737.8
19°	742.5	743.1	741.1	739.8	739.0	738.2	734.2	734.6	733.1	734.2	734.7
19.5°	740.1	741.1	739.4	737.3	736.3	735.8	732.2	731.8	731.0	731.8	732.9
20°	737.7	737.8	737.1	735.5	735.0	733.6	729.6	729.2	728.3	729.0	731.0
20.5°	735.0	734.9	733.6	732.4	732.2	730.7	727.3	726.6	724.9	726.3	729.2
21°	733.3	732.1	731.2	730.0	729.0	728.0	724.7	723.7	722.3	724.5	725.8
21.5°	730.6	730.0	729.0	728.2	726.1	725.2	721.8	720.7	719.4	721.9	722.5
22°	727.0	727.0	726.3	725.6	723.6	721.7	719.6	719.3	716.5	718.2	720.0

TEST NUMBER: P869732
 CATALOG NUMBER: SMX18SLSFS010-2000LM-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	724.1	724.1	724.1	722.3	720.3	718.7	716.6	716.0	713.7	715.2	716.7
23°	721.6	721.2	721.0	719.0	717.4	716.9	713.3	713.4	710.8	712.8	714.1
23.5°	718.6	718.9	717.5	716.1	714.9	713.8	710.1	710.6	708.4	710.4	711.1
24°	715.8	716.2	714.5	713.9	711.5	710.6	707.3	706.8	705.3	706.5	708.2
24.5°	713.1	712.9	711.4	710.4	708.6	707.6	703.0	703.1	701.2	702.6	704.8
25°	710.0	709.2	708.6	707.1	706.3	704.4	700.0	700.7	698.3	699.6	701.3
25.5°	706.7	706.3	705.2	703.6	702.9	701.3	697.5	697.9	695.8	696.5	698.2
26°	704.0	703.5	702.1	700.6	700.4	698.1	694.0	694.5	692.4	693.7	696.0
26.5°	700.9	700.7	699.6	697.2	696.3	694.3	690.6	691.2	689.3	689.9	692.2
27°	697.4	697.3	696.3	694.2	693.3	690.5	687.6	687.8	685.2	686.2	688.2
27.5°	694.4	694.7	692.3	691.3	689.5	686.8	684.3	684.3	681.4	683.0	684.5
28°	691.4	690.0	689.0	688.2	684.9	683.5	680.8	680.0	678.7	680.6	681.2
28.5°	686.4	686.6	685.5	684.7	681.0	679.5	677.1	676.6	675.4	677.0	677.1
29°	683.5	683.4	681.7	680.9	678.1	676.8	673.6	673.1	672.2	673.4	674.0
29.5°	679.2	680.6	678.8	677.3	674.3	673.4	670.1	669.2	667.7	669.5	670.4
30°	677.1	676.7	674.7	673.1	670.9	668.8	666.1	665.3	664.5	665.3	666.5
30.5°	673.0	672.5	670.9	668.9	667.7	664.9	661.7	661.6	660.9	661.1	662.1
31°	668.5	668.1	667.2	665.4	663.3	660.9	657.8	657.3	656.9	657.4	659.0
31.5°	664.8	664.0	663.8	661.5	659.4	656.9	653.3	652.8	652.4	652.9	654.7
32°	661.0	660.7	659.3	658.1	655.2	653.9	649.5	649.5	648.4	649.0	650.8
32.5°	657.2	656.9	656.1	653.6	651.0	650.4	645.6	644.8	643.7	645.3	646.3
33°	653.5	653.2	652.7	650.1	647.7	646.2	641.9	640.7	639.7	641.1	642.8
33.5°	649.3	649.2	648.6	645.6	643.3	642.1	637.5	637.7	635.7	636.9	637.9
34°	644.7	645.7	644.3	641.7	640.0	637.5	633.9	633.9	631.5	633.0	634.0
34.5°	640.5	641.7	640.5	637.1	635.7	633.5	630.2	629.1	627.9	628.4	630.0
35°	637.8	637.4	636.4	632.7	631.5	629.4	625.3	624.6	623.4	624.4	626.2
35.5°	633.6	633.1	632.3	629.4	627.1	624.6	620.5	619.7	618.1	620.8	621.6
36°	628.6	628.5	627.9	625.2	622.8	619.4	616.3	616.6	613.8	616.4	617.9
36.5°	624.2	624.4	622.6	621.3	617.8	615.2	611.5	611.6	609.3	611.5	612.6
37°	620.6	620.5	618.4	616.2	613.3	610.9	607.0	607.6	604.7	606.4	607.9
37.5°	616.3	615.4	614.6	611.6	609.3	606.1	603.0	602.3	600.4	601.9	603.7
38°	611.7	611.1	609.7	607.8	604.6	601.7	599.0	597.0	596.2	598.0	599.6
38.5°	606.3	606.8	605.0	602.5	599.3	597.1	594.4	592.5	591.4	594.0	595.3
39°	602.1	601.7	601.2	598.0	594.5	593.2	589.2	588.3	586.7	589.3	590.5
39.5°	597.3	597.0	596.7	592.8	590.2	588.4	584.6	583.4	582.4	583.5	585.2
40°	593.5	592.2	592.1	588.2	585.7	583.4	580.2	578.7	577.7	578.9	580.3
40.5°	589.0	588.0	587.3	583.4	580.5	578.3	574.8	574.4	572.7	573.9	575.6
41°	584.1	583.4	581.9	579.5	576.0	573.4	569.5	569.0	568.0	568.4	570.9
41.5°	579.3	578.6	577.1	574.7	571.1	569.1	564.9	563.6	562.1	563.8	565.8
42°	574.2	573.2	572.3	569.7	566.5	563.4	559.9	559.0	557.2	558.9	560.9
42.5°	569.3	568.9	566.8	565.2	561.6	558.6	554.8	553.7	552.0	554.4	556.6
43°	564.3	564.5	561.8	559.6	556.6	554.5	549.7	549.1	547.3	548.8	550.9
43.5°	559.1	559.4	557.7	554.2	552.1	549.4	544.9	543.4	542.6	544.2	546.0
44°	554.2	553.8	552.5	549.1	546.9	543.6	539.9	538.4	537.6	539.2	540.8
44.5°	549.2	548.9	547.1	543.9	540.8	538.2	535.1	533.3	532.2	534.5	535.8

TEST NUMBER: P869732
 CATALOG NUMBER: SMX18SLSFS010-2000LM-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	544.0	543.1	541.7	538.9	536.1	533.2	529.6	528.3	526.9	528.6	530.7
45.5°	539.2	538.4	536.3	534.6	531.3	528.6	524.7	522.9	521.3	523.7	525.3
46°	533.6	533.6	531.2	528.9	526.2	523.3	518.3	517.4	515.7	518.3	520.5
46.5°	527.8	527.5	526.0	522.9	521.0	517.9	513.4	512.0	510.4	513.1	515.1
47°	522.7	522.2	520.3	517.9	515.8	512.5	507.8	506.6	505.2	507.6	509.9
47.5°	517.5	516.8	514.6	512.2	510.0	506.9	502.3	501.2	500.1	501.6	504.1
48°	512.2	511.9	509.0	507.0	504.2	501.6	497.4	496.1	494.5	496.1	498.1
48.5°	506.2	506.2	504.1	501.6	498.2	495.7	491.7	490.8	489.3	490.3	493.3
49°	500.8	500.9	498.8	496.1	492.9	490.0	486.4	485.2	483.4	485.0	487.2
49.5°	495.3	495.6	493.1	490.5	487.2	484.0	480.4	479.4	477.7	479.8	481.0
50°	490.2	489.9	487.0	484.6	481.9	478.9	474.5	474.1	472.0	474.4	475.8
50.5°	484.0	484.0	481.6	478.8	476.8	473.9	469.2	468.3	466.1	468.2	470.3
51°	478.1	478.2	475.7	473.3	471.1	467.6	463.1	462.1	460.4	461.9	464.5
51.5°	472.8	472.6	470.4	467.5	465.6	461.6	458.1	456.1	454.6	456.4	458.6
52°	467.5	466.4	464.7	461.9	459.1	456.6	452.5	450.9	448.6	450.7	452.7
52.5°	461.8	460.9	458.9	456.2	452.7	450.5	446.8	445.1	443.1	444.4	446.8
53°	455.8	455.4	452.9	450.2	447.0	443.8	440.5	438.9	436.9	439.4	441.1
53.5°	449.5	449.3	447.1	444.8	441.4	438.0	434.9	432.3	431.3	433.5	435.1
54°	444.1	443.8	441.7	438.3	435.3	432.6	428.4	426.6	425.0	426.9	429.5
54.5°	438.5	437.8	435.7	432.1	430.0	426.9	421.6	420.3	419.6	420.6	423.3
55°	432.0	431.7	430.1	426.0	424.0	420.8	415.8	414.8	413.6	414.7	417.0
55.5°	425.6	425.2	423.6	420.5	417.6	414.1	410.0	408.3	407.2	408.6	410.5
56°	420.1	419.1	417.0	414.3	411.1	407.8	404.1	402.3	401.2	402.5	405.0
56.5°	413.8	413.4	411.3	407.8	405.1	401.4	397.7	396.7	395.0	396.8	398.9
57°	407.5	407.4	404.7	401.4	399.0	395.6	391.5	390.3	388.3	390.7	393.0
57.5°	401.4	401.1	398.9	395.3	393.0	389.7	384.9	383.3	382.2	384.1	386.5
58°	395.3	394.3	392.6	388.9	386.6	383.0	378.5	377.1	375.9	377.5	379.7
58.5°	388.8	387.8	386.0	382.6	380.0	376.2	372.1	370.9	369.8	371.0	373.4
59°	382.6	382.1	379.4	376.4	374.0	370.2	366.2	364.5	363.0	364.8	366.8
59.5°	376.5	375.6	373.5	370.6	367.7	363.9	359.7	358.3	356.7	358.8	360.4
60°	370.0	369.2	366.7	364.2	361.1	357.5	353.8	352.0	350.4	352.4	354.7
60.5°	363.6	362.5	360.3	357.8	353.9	351.3	347.2	345.5	344.0	345.4	348.2
61°	357.2	355.8	353.7	350.9	347.8	344.7	340.9	338.7	337.6	339.3	341.8
61.5°	350.2	349.3	347.2	344.2	341.3	338.1	334.5	331.9	330.6	332.6	335.1
62°	344.1	342.8	340.7	337.5	334.8	331.5	327.9	325.7	324.1	326.1	328.5
62.5°	337.4	336.3	334.1	331.1	328.0	325.2	321.1	319.0	317.3	319.4	321.6
63°	330.9	329.7	327.4	324.6	321.7	318.5	314.3	312.7	310.9	312.6	314.8
63.5°	324.9	322.9	320.9	317.6	315.3	311.8	307.9	305.8	304.6	305.7	308.6
64°	317.7	316.6	314.3	311.2	308.9	305.1	300.7	299.1	297.8	299.2	302.0
64.5°	311.2	310.0	307.6	304.2	301.7	298.5	293.8	292.3	290.7	292.3	295.1
65°	304.7	303.6	301.0	297.4	295.1	291.7	287.0	285.5	284.1	285.7	288.2
65.5°	297.9	296.7	294.4	290.4	288.4	284.7	280.2	278.9	277.5	279.0	281.6
66°	290.5	289.9	287.1	283.6	281.5	277.9	273.4	271.7	270.9	272.1	274.8
66.5°	283.4	282.8	280.2	277.0	274.6	271.2	266.5	265.1	264.1	265.2	267.7
67°	277.0	275.7	273.3	270.1	268.0	264.3	260.3	258.0	257.2	258.3	260.9

TEST NUMBER: P869732
 CATALOG NUMBER: SMX18SLSFS010-2000LM-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	270.0	268.8	266.4	262.9	261.1	257.5	253.4	251.0	250.4	251.3	253.8
68°	263.0	262.0	259.4	255.8	254.3	250.5	246.4	244.5	243.4	244.7	247.2
68.5°	256.0	255.1	252.7	249.3	247.2	243.6	239.4	237.7	236.3	237.6	240.5
69°	249.2	248.5	245.8	242.7	240.7	236.5	232.2	230.4	229.2	230.6	233.5
69.5°	242.5	241.5	238.7	235.0	233.3	229.2	225.3	223.2	222.2	223.4	226.7
70°	235.1	234.5	231.6	228.0	226.1	222.5	218.2	216.5	215.2	216.5	219.3
70.5°	228.1	227.5	224.5	221.1	219.4	215.7	211.7	209.7	208.5	209.8	212.5
71°	221.1	220.5	217.9	214.4	212.5	208.9	204.6	202.8	201.6	202.8	205.4
71.5°	214.3	213.7	210.8	206.9	205.3	201.7	197.5	195.5	194.5	195.9	198.4
72°	207.4	206.4	203.6	200.0	198.4	194.5	190.4	188.4	187.8	188.9	191.6
72.5°	200.4	199.0	196.4	193.2	191.4	187.7	183.6	181.8	180.7	182.0	184.7
73°	193.3	191.9	189.3	185.9	184.4	180.9	176.8	174.6	173.4	175.0	177.7
73.5°	186.0	184.9	182.6	178.9	177.2	173.6	169.8	167.5	166.5	168.5	170.6
74°	179.1	177.9	175.1	171.9	170.2	166.6	163.0	160.7	159.6	161.3	163.7
74.5°	172.0	170.8	168.3	164.6	163.4	159.8	156.0	153.9	152.9	154.3	156.6
75°	164.8	163.7	161.3	157.4	156.4	152.6	148.9	147.0	145.8	147.4	149.7
75.5°	157.9	156.9	154.3	150.7	149.4	145.8	142.4	139.9	139.1	140.8	143.0
76°	151.1	150.1	147.5	143.7	142.4	138.8	135.3	133.0	132.3	133.8	136.1
76.5°	144.0	143.1	140.5	136.8	135.7	132.0	128.4	126.5	125.4	126.8	129.1
77°	137.4	136.0	133.7	129.9	128.8	125.1	121.7	119.5	118.6	119.9	122.3
77.5°	130.6	129.1	127.0	123.2	121.9	118.2	115.0	112.8	111.9	113.4	115.7
78°	123.6	122.3	120.1	116.6	115.2	111.7	108.5	106.0	105.3	106.6	109.0
78.5°	116.8	115.5	113.4	109.8	108.6	104.9	101.6	99.6	98.7	100.0	102.2
79°	110.2	108.9	106.6	103.0	101.8	98.1	94.9	93.0	92.1	93.3	95.6
79.5°	103.6	102.3	100.1	96.5	95.3	91.8	88.6	86.8	85.8	87.2	89.2
80°	96.9	95.4	93.4	90.0	88.8	85.6	82.4	80.4	79.6	81.0	83.2
80.5°	90.5	89.1	87.2	83.7	82.7	79.2	76.2	74.3	73.2	74.8	77.1
81°	84.0	82.7	81.0	77.5	76.5	73.1	69.9	68.1	67.3	68.7	70.9
81.5°	77.7	76.6	74.6	71.3	70.3	67.0	63.9	62.2	61.5	62.6	64.7
82°	71.5	70.4	68.2	65.1	64.2	61.0	58.0	56.2	55.5	56.7	58.8
82.5°	65.2	64.4	62.0	58.9	58.2	55.1	52.5	50.6	49.8	51.0	53.0
83°	59.1	58.0	56.1	53.2	52.6	49.6	46.9	45.1	44.5	45.7	47.7
83.5°	53.5	52.2	50.3	47.7	47.0	44.1	41.3	39.7	39.2	40.2	42.1
84°	47.9	46.8	44.9	42.4	41.7	38.8	36.1	34.5	33.9	35.1	36.9
84.5°	42.5	41.5	39.7	37.2	36.5	33.7	31.2	29.6	29.2	30.3	31.9
85°	37.3	36.3	34.6	32.1	31.4	28.9	26.5	25.0	24.7	25.6	27.2
85.5°	32.2	31.3	29.8	27.5	26.7	24.2	22.0	20.8	20.5	21.2	22.8
86°	27.6	26.8	25.3	23.2	22.4	20.0	18.1	16.8	16.6	17.3	18.7
86.5°	23.2	22.6	21.3	19.3	18.3	16.4	14.7	13.7	13.4	14.3	15.3
87°	19.4	18.7	17.5	15.6	15.0	13.2	11.6	10.7	10.5	11.1	12.3
87.5°	15.7	15.1	14.0	12.3	11.8	10.2	8.7	7.8	7.8	8.4	9.4
88°	12.3	11.9	10.8	9.2	8.8	7.4	6.1	5.4	5.3	5.8	6.7
88.5°	9.2	8.7	7.9	6.6	6.4	5.0	3.9	3.2	3.0	3.6	4.4
89°	6.6	6.2	5.5	4.5	4.5	3.1	2.1	1.6	1.4	1.8	2.5
89.5°	4.6	4.3	3.7	2.8	2.5	1.5	0.7	1.4	1.2	1.6	0.9

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



TEST NUMBER: P869732
CATALOG NUMBER: SMX18SLSFS010-2000LM-3000K

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: P869732
 CATALOG NUMBER: SMX18SLSFS010-2000LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	785.4	785.4	785.4	785.4	785.4	785.4
0.5°	786.1	784.5	786.5	785.0	784.9	785.3
1°	785.4	784.3	786.8	785.2	784.7	785.9
1.5°	785.1	785.2	786.2	785.2	785.0	785.2
2°	784.6	785.0	785.3	785.2	786.1	784.7
2.5°	784.2	783.8	786.2	784.6	784.7	784.6
3°	785.0	783.3	786.1	784.1	785.4	783.5
3.5°	784.3	784.1	785.1	783.7	784.8	784.0
4°	784.1	783.4	785.0	783.9	783.8	783.8
4.5°	784.0	782.5	784.6	783.5	783.7	783.7
5°	783.4	782.0	784.7	782.9	783.2	784.0
5.5°	781.6	781.3	784.4	782.5	783.6	783.4
6°	780.6	780.9	784.5	782.3	782.3	783.0
6.5°	779.8	781.2	783.5	782.2	782.0	782.3
7°	779.4	779.3	782.7	780.9	781.7	781.8
7.5°	778.5	779.2	781.7	780.4	781.5	780.5
8°	777.3	778.3	779.8	779.7	780.4	779.6
8.5°	776.1	776.7	778.8	778.5	778.3	778.7
9°	775.0	775.8	778.5	776.7	778.1	777.6
9.5°	773.1	774.9	777.2	775.7	776.5	775.7
10°	772.1	773.7	775.3	774.3	775.0	774.1
10.5°	770.3	772.0	774.1	771.7	774.7	773.1
11°	769.2	770.3	772.5	770.5	772.6	771.7
11.5°	767.1	768.4	770.9	769.7	770.8	770.1
12°	765.5	766.1	770.1	768.6	769.5	769.4
12.5°	764.0	765.1	767.5	766.5	768.3	768.0
13°	762.8	763.1	765.4	765.6	766.5	766.6
13.5°	760.8	762.0	764.0	764.2	764.8	765.1
14°	759.6	760.0	763.2	762.8	762.5	763.6
14.5°	758.2	758.5	760.4	760.8	761.3	761.9
15°	756.1	756.1	758.3	758.1	760.4	760.7
15.5°	752.8	754.9	756.8	755.6	759.0	758.2
16°	750.7	753.1	754.8	754.4	756.4	756.8
16.5°	748.7	750.5	752.8	752.3	755.1	754.4
17°	747.1	747.4	750.6	749.4	752.7	751.5
17.5°	744.7	745.7	749.4	747.1	750.6	749.9
18°	742.1	744.1	747.1	746.2	748.3	748.3
18.5°	739.8	742.0	744.0	744.1	745.3	745.7
19°	737.2	739.2	740.9	741.0	742.4	742.5
19.5°	734.2	736.8	738.4	738.0	740.2	740.1
20°	732.2	734.3	736.3	735.4	737.5	737.7
20.5°	730.6	732.2	733.0	733.3	735.3	735.0
21°	728.1	728.8	730.6	731.4	733.0	733.3
21.5°	725.1	725.2	728.0	729.2	731.0	730.6
22°	722.0	722.3	725.1	726.0	728.6	727.0

TEST NUMBER: P869732
 CATALOG NUMBER: SMX18SLSFS010-2000LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	718.1	720.5	722.2	722.5	724.9	724.1
23°	715.7	717.7	720.0	719.9	721.5	721.6
23.5°	712.4	714.0	716.7	717.9	718.7	718.6
24°	709.6	711.0	714.5	713.9	715.7	715.8
24.5°	707.5	708.7	711.2	711.1	712.9	713.1
25°	704.1	705.6	707.9	708.9	710.7	710.0
25.5°	700.6	703.0	704.3	705.8	708.2	706.7
26°	697.5	698.5	701.2	702.3	704.2	704.0
26.5°	694.3	695.1	698.6	698.2	700.4	700.9
27°	690.3	691.5	695.8	695.2	697.5	697.4
27.5°	686.5	687.5	691.9	692.4	695.3	694.4
28°	683.2	683.9	687.9	689.8	691.7	691.4
28.5°	679.2	681.4	684.2	685.9	687.9	686.4
29°	676.4	678.0	681.5	682.2	683.3	683.5
29.5°	673.0	674.1	677.7	678.5	680.7	679.2
30°	669.9	670.4	673.6	674.2	677.4	677.1
30.5°	664.9	667.6	669.2	669.8	673.3	673.0
31°	661.0	662.2	665.9	666.8	669.3	668.5
31.5°	657.0	658.6	662.6	662.4	666.0	664.8
32°	654.0	655.0	658.9	658.7	662.6	661.0
32.5°	650.5	651.6	654.7	655.2	659.2	657.2
33°	646.2	647.6	651.1	652.2	654.8	653.5
33.5°	640.9	643.3	646.8	647.9	650.8	649.3
34°	637.2	639.1	642.4	643.2	646.3	644.7
34.5°	632.6	635.1	638.3	639.1	642.2	640.5
35°	628.6	630.9	634.1	635.4	638.2	637.8
35.5°	624.9	626.0	630.3	631.3	633.6	633.6
36°	620.6	621.2	625.6	627.0	629.1	628.6
36.5°	616.3	616.8	621.2	621.5	624.8	624.2
37°	611.8	612.4	617.4	617.4	620.2	620.6
37.5°	606.7	608.5	612.8	612.6	616.6	616.3
38°	601.9	603.8	608.4	608.6	612.3	611.7
38.5°	597.3	599.4	603.4	604.4	607.9	606.3
39°	592.5	595.3	599.2	599.8	602.1	602.1
39.5°	588.1	591.2	594.5	594.7	597.7	597.3
40°	583.2	586.0	589.9	590.9	592.8	593.5
40.5°	579.2	580.9	585.0	586.4	588.3	589.0
41°	574.7	576.5	580.0	581.6	583.1	584.1
41.5°	569.4	572.0	575.2	576.5	578.7	579.3
42°	564.6	566.7	570.7	571.2	574.6	574.2
42.5°	558.8	561.0	565.5	566.1	569.6	569.3
43°	553.7	556.6	559.8	561.6	564.9	564.3
43.5°	548.3	551.0	554.3	556.9	559.4	559.1
44°	543.7	545.4	549.1	551.4	554.4	554.2
44.5°	538.4	541.2	545.0	545.5	549.3	549.2

TEST NUMBER: P869732
 CATALOG NUMBER: SMX18SLSFS010-2000LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	533.2	536.4	540.1	540.3	543.5	544.0
45.5°	527.7	531.3	534.7	535.3	538.0	539.2
46°	522.6	525.9	529.6	530.3	533.1	533.6
46.5°	517.2	520.3	524.3	525.9	527.8	527.8
47°	511.8	515.0	519.1	520.3	522.5	522.7
47.5°	506.2	509.8	513.6	514.7	516.9	517.5
48°	501.0	504.2	508.2	509.3	511.8	512.2
48.5°	495.5	498.1	502.5	503.9	506.5	506.2
49°	489.7	492.5	496.5	498.3	500.9	500.8
49.5°	484.3	487.1	490.6	492.9	495.5	495.3
50°	478.6	480.8	484.8	487.7	489.7	490.2
50.5°	472.8	475.3	479.1	482.0	483.7	484.0
51°	467.4	470.3	474.0	475.8	478.3	478.1
51.5°	461.8	464.0	468.5	469.9	473.0	472.8
52°	456.1	458.0	462.9	463.9	467.5	467.5
52.5°	450.0	452.6	457.1	458.9	461.6	461.8
53°	444.1	447.0	451.4	453.3	456.2	455.8
53.5°	438.7	441.1	445.2	446.4	450.1	449.5
54°	432.4	435.0	439.3	440.5	444.1	444.1
54.5°	426.4	428.7	433.3	435.2	437.6	438.5
55°	420.5	422.8	427.1	429.0	432.1	432.0
55.5°	414.6	416.6	420.9	423.2	426.3	425.6
56°	408.5	410.6	415.0	417.1	420.1	420.1
56.5°	402.3	404.3	408.9	410.6	414.2	413.8
57°	395.7	397.9	402.5	404.4	407.9	407.5
57.5°	389.2	391.5	396.2	397.4	401.2	401.4
58°	383.3	385.3	389.7	391.8	395.3	395.3
58.5°	377.3	378.9	382.9	385.9	388.8	388.8
59°	371.1	372.8	376.7	379.7	382.6	382.6
59.5°	364.3	366.4	370.1	373.2	376.2	376.5
60°	358.3	359.5	364.2	366.6	370.0	370.0
60.5°	351.1	353.1	357.3	360.1	363.6	363.6
61°	344.6	346.4	351.1	353.5	356.8	357.2
61.5°	338.2	340.4	345.0	346.8	350.1	350.2
62°	331.6	333.9	338.5	340.3	343.7	344.1
62.5°	325.2	327.3	332.0	334.0	337.1	337.4
63°	318.4	320.3	325.1	327.0	330.9	330.9
63.5°	311.9	313.7	318.6	320.6	324.0	324.9
64°	305.2	307.4	311.9	313.8	316.7	317.7
64.5°	298.5	300.9	305.4	307.6	310.0	311.2
65°	291.8	294.0	298.2	300.9	303.5	304.7
65.5°	285.4	287.2	291.5	293.9	296.7	297.9
66°	278.5	279.9	284.6	287.1	289.9	290.5
66.5°	271.5	273.5	277.8	280.6	283.2	283.4
67°	264.5	266.7	270.9	273.8	276.7	277.0

TEST NUMBER: P869732
 CATALOG NUMBER: SMX18SLSFS010-2000LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	257.8	259.6	263.6	266.4	269.7	270.0
68°	250.8	252.4	256.8	259.8	262.9	263.0
68.5°	244.1	245.7	250.0	252.9	255.5	256.0
69°	237.6	239.1	242.7	245.7	248.6	249.2
69.5°	230.5	232.2	235.9	238.8	241.7	242.5
70°	223.4	225.0	228.8	232.2	234.7	235.1
70.5°	216.4	217.7	222.1	225.0	227.9	228.1
71°	209.3	210.7	215.0	217.7	220.9	221.1
71.5°	202.1	203.8	207.8	211.1	214.0	214.3
72°	195.0	196.9	201.0	204.0	206.6	207.4
72.5°	188.4	189.6	194.0	196.7	199.5	200.4
73°	181.4	182.3	186.7	189.5	192.4	193.3
73.5°	174.5	175.7	180.2	182.7	185.5	186.0
74°	167.5	168.5	172.8	175.4	178.5	179.1
74.5°	160.7	161.5	165.8	168.7	171.3	172.0
75°	153.5	154.5	158.6	161.7	164.1	164.8
75.5°	146.7	147.6	151.9	154.7	157.1	157.9
76°	139.8	140.7	144.8	147.6	150.2	151.1
76.5°	132.8	133.9	138.0	140.8	143.2	144.0
77°	125.9	126.8	131.0	133.8	136.4	137.4
77.5°	119.0	120.3	124.2	127.3	129.9	130.6
78°	112.4	113.5	117.5	120.5	123.0	123.6
78.5°	105.7	106.9	111.0	113.9	116.2	116.8
79°	99.3	100.3	104.2	107.0	109.4	110.2
79.5°	92.5	93.8	97.6	100.5	102.9	103.6
80°	86.2	87.2	90.9	93.7	96.3	96.9
80.5°	80.1	81.0	84.8	87.4	89.8	90.5
81°	74.0	74.8	78.5	81.2	83.5	84.0
81.5°	67.9	68.6	72.3	74.9	77.1	77.7
82°	61.8	62.4	66.1	68.7	70.9	71.5
82.5°	56.1	56.6	60.0	62.5	64.8	65.2
83°	50.6	51.0	54.0	56.5	58.8	59.1
83.5°	44.9	45.3	48.4	50.8	53.0	53.5
84°	39.7	40.1	43.1	45.3	47.3	47.9
84.5°	34.5	35.0	37.8	40.1	42.1	42.5
85°	29.7	30.3	32.9	35.1	36.7	37.3
85.5°	25.0	25.6	28.2	30.3	31.8	32.2
86°	20.8	21.6	23.6	25.6	27.3	27.6
86.5°	17.1	17.7	19.8	21.6	22.9	23.2
87°	13.9	14.3	16.1	17.6	18.9	19.4
87.5°	10.9	11.1	12.9	14.2	15.3	15.7
88°	8.2	8.0	9.6	11.1	12.1	12.3
88.5°	5.6	5.4	6.6	7.9	8.9	9.2
89°	3.5	3.6	4.5	5.4	6.2	6.6
89.5°	1.7	2.0	2.7	3.4	4.3	4.6

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



TEST NUMBER: P869732
CATALOG NUMBER: SMX18SLSFS010-2000LM-3000K

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)