

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: P869735

Luminaire Tested: **SMX18SLSFS010-2000LM-5000K**

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: P869735
 Test Lab:
 Issue Date: 8/29/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: SMX18SLSFS010-2000LM-5000K
 Description: 18IN SQUARE, 90CRI, DIMMING TO 10%, DAMP LOCATION
 Light Source: SELECTABLE CCT 90CRI / 5000K CCT
 Ballast/Driver: -

Summary

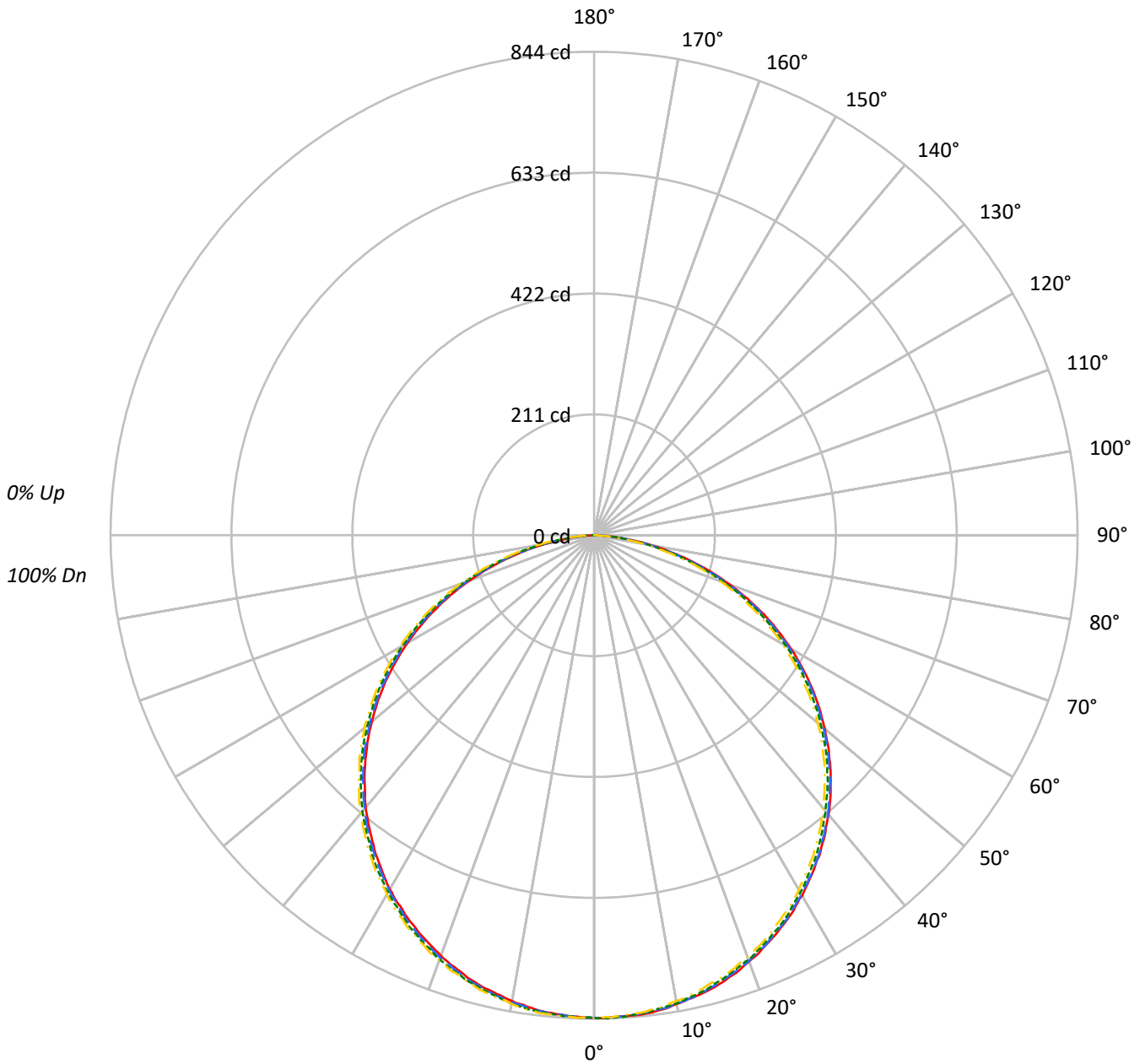
Lumens per Lamp: N/A
 Luminaire Lumens: 2460.7 lumens
 Efficiency: N/A
 Efficacy: 103.8 lumens/watt
 Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
 Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
 CIE Type: Direct

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: P869735
CATALOG NUMBER: SMX18SLSFS010-2000LM-5000K

Luminous Intensity Polar Plot



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

TEST NUMBER: P869735
 CATALOG NUMBER: SMX18SLSFS010-2000LM-5000K

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	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4032	4032	4032	4032
5°	4041	4031	4021	4030
10°	4035	4031	4011	4033
15°	4043	4017	3997	4019
20°	4031	4016	3979	4012
25°	4022	4001	3956	3997
30°	4014	3977	3940	3975
35°	3998	3958	3908	3954
40°	3977	3926	3872	3927
45°	3950	3893	3826	3895
50°	3916	3849	3770	3840
55°	3867	3795	3702	3784
60°	3799	3708	3598	3692
65°	3702	3585	3451	3571
70°	3529	3393	3230	3378
75°	3270	3102	2893	3065
80°	2865	2628	2353	2579
85°	2196	1850	1455	1784

TEST NUMBER: P869735
 CATALOG NUMBER: SMX18SLSFS010-2000LM-5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.8	3.2
10°-20°	229.1	9.3
20°-30°	348.9	14.2
30°-40°	423.5	17.2
40°-50°	443.6	18.0
50°-60°	405.6	16.5
60°-70°	312.2	12.7
70°-80°	176.5	7.2
80°-90°	41.5	1.7
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	657.8	26.7
0°-40°	1081.3	43.9
0°-60°	1930.5	78.5
0°-90°	2460.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2460.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	843	843	843	843	843	
5°	841	840	837	839	841	80
15°	816	811	807	812	816	230
25°	762	758	749	757	762	351
35°	684	678	669	677	684	428
45°	584	575	566	576	584	450
55°	464	455	444	454	464	414
65°	327	317	305	316	327	323
75°	177	168	156	166	177	187
85°	40	34	26	32	40	48
90°	0	0	0	0	0	

TEST NUMBER: P869735
 CATALOG NUMBER: SMX18SLSFS010-2000LM-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	842.9	842.9	842.9	842.9	842.9	842.9	842.9	842.9	842.9	842.9	842.9
0.5°	842.8	842.5	843.0	842.3	843.2	843.9	842.3	842.9	842.3	842.8	841.9
1°	843.5	842.0	843.1	842.9	842.8	843.1	841.7	842.3	841.8	842.4	842.9
1.5°	842.7	842.7	842.3	842.9	843.8	842.9	841.1	842.1	842.1	841.7	842.7
2°	842.2	841.6	842.0	842.7	843.5	842.6	842.3	841.1	841.0	841.0	841.0
2.5°	842.1	842.4	841.7	842.7	842.8	842.6	841.3	841.0	840.7	840.7	840.8
3°	840.9	842.6	841.5	841.8	842.0	841.8	840.2	841.6	840.5	839.8	841.0
3.5°	841.4	842.8	841.2	841.7	842.2	841.0	840.2	841.0	839.6	839.7	839.7
4°	841.1	841.8	841.0	841.9	841.6	840.5	838.5	840.2	838.8	840.0	838.8
4.5°	841.0	841.7	839.8	841.6	840.7	840.4	838.5	838.6	838.8	839.2	838.6
5°	841.4	841.0	839.8	840.4	839.5	840.0	837.8	838.1	837.3	837.1	839.3
5.5°	840.8	840.4	839.2	838.9	838.8	838.9	837.4	836.8	837.2	836.1	838.1
6°	840.4	840.4	838.6	839.1	838.8	837.2	836.8	836.6	836.5	835.4	836.6
6.5°	839.6	840.0	837.9	837.6	837.8	837.4	835.5	835.4	835.3	834.7	835.9
7°	839.1	839.3	837.1	837.3	836.8	836.3	833.2	833.8	834.2	833.3	835.8
7.5°	837.6	837.3	835.9	835.6	834.7	835.6	833.1	833.0	832.5	832.3	834.2
8°	836.7	835.6	835.4	835.4	833.4	834.6	832.4	831.5	831.7	831.2	831.8
8.5°	835.7	834.5	835.0	833.3	832.9	833.5	831.1	830.6	829.2	830.4	830.9
9°	834.5	833.1	833.7	832.8	831.8	832.4	829.0	829.6	828.2	828.7	829.6
9.5°	832.5	832.6	831.8	830.9	830.9	831.2	826.9	827.5	827.9	827.5	829.3
10°	830.7	830.8	830.1	830.3	829.9	829.6	825.8	825.9	825.6	826.9	827.8
10.5°	829.7	829.7	829.6	828.2	828.3	827.3	824.8	824.4	823.9	825.1	826.1
11°	828.2	828.2	828.3	827.5	826.5	826.1	823.0	823.9	822.2	822.6	824.2
11.5°	826.4	827.5	826.2	825.1	823.8	824.9	821.4	821.7	819.6	821.6	822.6
12°	825.7	825.3	825.1	823.4	823.0	823.5	819.0	820.9	818.5	819.3	821.7
12.5°	824.3	823.6	824.5	822.0	821.9	821.9	817.2	819.2	816.3	817.7	819.6
13°	822.7	823.2	822.3	820.0	820.0	819.9	815.9	816.7	814.7	816.3	816.9
13.5°	821.1	821.7	819.6	818.4	818.3	817.7	813.7	815.3	814.0	814.7	814.5
14°	819.6	819.9	817.7	817.3	816.5	814.2	810.8	813.0	811.9	813.2	813.4
14.5°	817.7	817.3	815.4	814.6	814.2	813.0	808.6	810.4	809.4	810.6	811.4
15°	816.4	815.1	813.8	813.4	811.0	811.5	807.3	808.5	807.0	807.5	809.9
15.5°	813.7	813.3	811.9	810.8	809.1	809.1	805.7	806.0	805.3	805.3	807.9
16°	812.2	811.0	809.3	809.0	807.8	807.3	803.4	803.7	803.1	803.8	805.7
16.5°	809.7	808.7	807.2	806.2	804.9	805.1	801.0	801.6	799.6	801.6	803.2
17°	806.6	806.0	804.8	804.8	802.5	802.7	798.7	799.7	796.9	798.4	799.9
17.5°	804.8	804.0	802.8	801.3	799.5	800.2	796.5	797.3	794.5	795.7	797.6
18°	803.1	801.9	800.4	799.0	797.8	797.3	794.4	794.2	792.0	793.2	795.4
18.5°	800.3	799.6	798.1	796.3	794.7	795.0	790.5	790.9	790.0	790.6	791.9
19°	796.9	797.5	795.4	793.9	793.1	792.2	788.0	788.3	786.8	788.0	788.5
19.5°	794.3	795.3	793.5	791.3	790.2	789.7	785.8	785.4	784.5	785.3	786.5
20°	791.7	791.9	791.1	789.4	788.9	787.3	783.0	782.6	781.6	782.4	784.6
20.5°	788.8	788.7	787.3	786.0	785.8	784.2	780.5	779.8	777.9	779.5	782.6
21°	787.0	785.7	784.7	783.4	782.4	781.3	777.8	776.7	775.2	777.5	779.0
21.5°	784.1	783.4	782.4	781.5	779.3	778.3	774.7	773.5	772.1	774.8	775.4
22°	780.3	780.2	779.5	778.7	776.6	774.6	772.3	772.0	768.9	770.8	772.7

TEST NUMBER: P869735
 CATALOG NUMBER: SMX18SLSFS010-2000LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
22.5°	777.1	777.1	777.2	775.2	773.0	771.3	769.1	768.4	765.9	767.5	769.2
23°	774.4	774.0	773.8	771.7	769.9	769.3	765.5	765.6	762.9	765.0	766.4
23.5°	771.2	771.6	770.0	768.5	767.3	766.1	762.1	762.6	760.2	762.4	763.1
24°	768.2	768.7	766.8	766.2	763.6	762.6	759.1	758.5	757.0	758.2	760.1
24.5°	765.3	765.0	763.5	762.4	760.5	759.4	754.5	754.6	752.6	754.0	756.4
25°	761.9	761.1	760.5	758.9	758.0	755.9	751.2	752.0	749.4	750.8	752.7
25.5°	758.4	758.0	756.9	755.2	754.4	752.7	748.5	749.0	746.7	747.5	749.3
26°	755.5	755.0	753.5	751.9	751.6	749.2	744.8	745.4	743.1	744.5	747.0
26.5°	752.2	752.0	750.8	748.3	747.2	745.1	741.1	741.8	739.8	740.5	742.9
27°	748.4	748.4	747.3	745.0	744.1	741.1	738.0	738.1	735.4	736.4	738.6
27.5°	745.3	745.5	742.9	741.9	739.9	737.1	734.4	734.3	731.3	733.0	734.6
28°	742.0	740.5	739.4	738.6	735.0	733.6	730.6	729.8	728.4	730.5	731.1
28.5°	736.7	736.8	735.6	734.8	730.9	729.3	726.7	726.2	724.8	726.5	726.7
29°	733.6	733.5	731.6	730.7	727.7	726.4	722.9	722.4	721.5	722.7	723.3
29.5°	728.9	730.4	728.5	726.9	723.7	722.7	719.1	718.2	716.6	718.5	719.5
30°	726.7	726.3	724.1	722.4	720.0	717.8	714.8	714.0	713.2	714.0	715.3
30.5°	722.2	721.7	720.0	717.8	716.5	713.6	710.1	710.0	709.2	709.5	710.6
31°	717.5	717.1	716.0	714.1	711.9	709.2	706.0	705.4	704.9	705.5	707.3
31.5°	713.5	712.6	712.4	709.9	707.7	705.0	701.2	700.6	700.2	700.7	702.6
32°	709.4	709.1	707.5	706.3	703.2	701.8	697.0	697.0	695.8	696.5	698.4
32.5°	705.3	705.0	704.2	701.5	698.7	698.1	692.9	692.0	690.8	692.6	693.6
33°	701.3	701.0	700.5	697.7	695.1	693.5	688.9	687.7	686.5	688.1	689.9
33.5°	696.9	696.7	696.1	692.9	690.4	689.1	684.2	684.4	682.2	683.5	684.7
34°	691.9	693.0	691.4	688.7	686.9	684.1	680.3	680.3	677.7	679.3	680.4
34.5°	687.4	688.7	687.4	683.8	682.2	679.9	676.3	675.2	673.9	674.4	676.1
35°	684.5	684.0	683.0	679.0	677.8	675.5	671.1	670.3	669.1	670.1	672.0
35.5°	680.0	679.4	678.5	675.5	673.0	670.4	665.9	665.0	663.3	666.3	667.1
36°	674.6	674.5	673.9	671.0	668.4	664.8	661.4	661.7	658.8	661.5	663.2
36.5°	669.9	670.1	668.1	666.8	663.1	660.2	656.3	656.4	654.0	656.3	657.5
37°	666.0	665.9	663.7	661.4	658.3	655.7	651.5	652.1	649.0	650.8	652.4
37.5°	661.4	660.4	659.6	656.4	654.0	650.5	647.2	646.4	644.3	646.0	647.9
38°	656.4	655.8	654.4	652.3	648.9	645.7	642.9	640.7	639.9	641.7	643.5
38.5°	650.7	651.2	649.3	646.6	643.2	640.8	637.9	635.9	634.7	637.4	638.9
39°	646.1	645.8	645.2	641.7	638.1	636.6	632.4	631.3	629.6	632.5	633.8
39.5°	641.1	640.7	640.4	636.2	633.4	631.5	627.4	626.1	625.1	626.3	628.1
40°	636.9	635.6	635.5	631.3	628.6	626.1	622.7	621.1	620.0	621.3	622.7
40.5°	632.1	631.1	630.3	626.1	623.0	620.6	616.9	616.5	614.6	615.9	617.8
41°	626.9	626.1	624.6	622.0	618.2	615.4	611.2	610.7	609.6	610.0	612.7
41.5°	621.7	620.9	619.3	616.8	612.9	610.8	606.2	604.9	603.2	605.1	607.3
42°	616.2	615.2	614.1	611.4	608.0	604.7	600.9	600.0	598.0	599.8	601.9
42.5°	611.0	610.5	608.3	606.6	602.7	599.5	595.4	594.3	592.4	595.0	597.4
43°	605.6	605.8	602.9	600.6	597.4	595.1	590.0	589.3	587.4	589.0	591.2
43.5°	600.0	600.3	598.5	594.8	592.6	589.6	584.8	583.2	582.3	584.1	585.9
44°	594.8	594.4	592.9	589.3	587.0	583.4	579.4	577.9	577.0	578.7	580.4
44.5°	589.4	589.1	587.2	583.7	580.4	577.6	574.3	572.4	571.2	573.7	575.0

TEST NUMBER: P869735
 CATALOG NUMBER: SMX18SLSFS010-2000LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	583.8	582.9	581.4	578.4	575.4	572.2	568.4	567.0	565.5	567.3	569.5
45.5°	578.6	577.9	575.5	573.7	570.2	567.3	563.1	561.2	559.5	562.0	563.8
46°	572.6	572.7	570.0	567.6	564.7	561.6	556.3	555.3	553.4	556.3	558.6
46.5°	566.4	566.1	564.5	561.2	559.1	555.9	551.0	549.5	547.8	550.7	552.8
47°	561.0	560.4	558.3	555.9	553.5	550.0	544.9	543.7	542.2	544.8	547.3
47.5°	555.4	554.7	552.3	549.7	547.3	544.0	539.1	537.9	536.8	538.3	541.0
48°	549.7	549.4	546.3	544.2	541.2	538.3	533.8	532.5	530.7	532.5	534.6
48.5°	543.2	543.2	541.0	538.3	534.7	532.0	527.7	526.7	525.1	526.2	529.4
49°	537.5	537.5	535.3	532.4	529.0	525.8	522.1	520.7	518.8	520.5	522.8
49.5°	531.6	531.9	529.2	526.4	522.8	519.5	515.6	514.5	512.7	514.9	516.2
50°	526.1	525.8	522.7	520.1	517.2	514.0	509.3	508.8	506.6	509.1	510.6
50.5°	519.5	519.5	516.8	513.8	511.7	508.6	503.6	502.6	500.2	502.5	504.8
51°	513.1	513.2	510.5	508.0	505.6	501.9	497.0	495.9	494.1	495.8	498.5
51.5°	507.4	507.2	504.9	501.8	499.7	495.4	491.6	489.5	487.8	489.8	492.1
52°	501.8	500.6	498.8	495.8	492.7	490.0	485.6	483.9	481.5	483.7	485.9
52.5°	495.6	494.6	492.5	489.6	485.9	483.5	479.5	477.7	475.6	476.9	479.5
53°	489.2	488.7	486.0	483.1	479.8	476.3	472.8	471.1	468.9	471.6	473.4
53.5°	482.4	482.2	479.8	477.4	473.7	470.0	466.7	463.9	462.8	465.2	467.0
54°	476.6	476.3	474.1	470.4	467.1	464.3	459.8	457.8	456.1	458.2	460.9
54.5°	470.6	469.9	467.6	463.8	461.5	458.2	452.5	451.0	450.4	451.4	454.3
55°	463.6	463.3	461.6	457.2	455.0	451.6	446.2	445.2	443.9	445.0	447.5
55.5°	456.8	456.3	454.6	451.3	448.2	444.4	440.0	438.1	437.0	438.5	440.6
56°	450.9	449.8	447.5	444.6	441.2	437.6	433.7	431.7	430.6	432.0	434.6
56.5°	444.1	443.7	441.4	437.6	434.7	430.8	426.8	425.8	423.9	425.9	428.1
57°	437.3	437.2	434.4	430.8	428.3	424.6	420.2	418.9	416.7	419.3	421.7
57.5°	430.8	430.5	428.1	424.2	421.8	418.2	413.0	411.4	410.2	412.2	414.8
58°	424.2	423.2	421.4	417.3	414.9	411.1	406.2	404.7	403.4	405.1	407.5
58.5°	417.3	416.2	414.2	410.6	407.8	403.8	399.4	398.1	396.9	398.2	400.7
59°	410.6	410.1	407.2	403.9	401.4	397.3	393.0	391.2	389.6	391.5	393.7
59.5°	404.1	403.1	400.8	397.7	394.6	390.5	386.0	384.6	382.8	385.1	386.8
60°	397.1	396.2	393.5	390.9	387.5	383.6	379.7	377.8	376.1	378.2	380.6
60.5°	390.3	389.1	386.6	384.0	379.9	377.0	372.6	370.8	369.2	370.7	373.7
61°	383.4	381.8	379.6	376.6	373.2	370.0	365.8	363.5	362.3	364.1	366.8
61.5°	375.8	374.9	372.6	369.4	366.3	362.8	359.0	356.2	354.8	356.9	359.7
62°	369.3	367.9	365.7	362.2	359.3	355.8	351.9	349.5	347.8	349.9	352.5
62.5°	362.1	360.9	358.5	355.4	352.0	349.0	344.6	342.4	340.6	342.8	345.1
63°	355.2	353.8	351.4	348.4	345.2	341.8	337.3	335.6	333.7	335.5	337.8
63.5°	348.6	346.5	344.4	340.8	338.4	334.6	330.4	328.2	326.9	328.1	331.2
64°	340.9	339.8	337.3	333.9	331.5	327.4	322.8	321.0	319.6	321.1	324.1
64.5°	333.9	332.7	330.2	326.5	323.8	320.4	315.3	313.7	312.0	313.7	316.7
65°	327.0	325.8	323.0	319.2	316.7	313.0	308.1	306.4	304.9	306.6	309.4
65.5°	319.8	318.4	316.0	311.7	309.5	305.6	300.7	299.3	297.8	299.5	302.2
66°	311.8	311.1	308.1	304.4	302.1	298.3	293.4	291.6	290.7	292.1	294.9
66.5°	304.2	303.5	300.8	297.3	294.7	291.0	286.1	284.5	283.4	284.6	287.3
67°	297.3	295.9	293.4	289.8	287.6	283.6	279.3	276.9	276.1	277.2	280.0

TEST NUMBER: P869735
 CATALOG NUMBER: SMX18SLSFS010-2000LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	289.7	288.5	285.9	282.1	280.2	276.3	272.0	269.4	268.7	269.7	272.4
68°	282.3	281.2	278.4	274.5	272.9	268.9	264.5	262.4	261.2	262.7	265.3
68.5°	274.8	273.8	271.2	267.6	265.3	261.5	256.9	255.1	253.6	255.0	258.1
69°	267.5	266.7	263.8	260.4	258.3	253.8	249.3	247.3	246.0	247.4	250.6
69.5°	260.3	259.2	256.2	252.2	250.4	246.0	241.8	239.5	238.5	239.7	243.3
70°	252.3	251.7	248.6	244.7	242.6	238.8	234.2	232.3	230.9	232.3	235.3
70.5°	244.8	244.2	240.9	237.3	235.4	231.5	227.2	225.0	223.8	225.2	228.1
71°	237.3	236.6	233.9	230.1	228.0	224.1	219.6	217.6	216.4	217.7	220.5
71.5°	230.0	229.3	226.2	222.0	220.3	216.5	211.9	209.8	208.8	210.2	212.9
72°	222.6	221.5	218.5	214.6	212.9	208.8	204.4	202.2	201.5	202.7	205.7
72.5°	215.1	213.6	210.7	207.3	205.4	201.4	197.1	195.1	193.9	195.3	198.2
73°	207.5	205.9	203.2	199.5	197.9	194.1	189.8	187.3	186.1	187.9	190.7
73.5°	199.6	198.4	195.9	192.0	190.2	186.3	182.3	179.8	178.7	180.8	183.1
74°	192.2	190.9	188.0	184.5	182.6	178.8	174.9	172.5	171.3	173.1	175.7
74.5°	184.6	183.3	180.6	176.6	175.4	171.5	167.4	165.2	164.0	165.6	168.1
75°	176.9	175.7	173.1	168.9	167.8	163.8	159.8	157.8	156.5	158.2	160.7
75.5°	169.5	168.4	165.6	161.7	160.4	156.5	152.8	150.1	149.3	151.2	153.5
76°	162.2	161.0	158.3	154.2	152.9	149.0	145.2	142.7	142.0	143.6	146.1
76.5°	154.6	153.6	150.8	146.9	145.6	141.7	137.8	135.8	134.6	136.1	138.6
77°	147.5	145.9	143.5	139.5	138.3	134.2	130.6	128.3	127.3	128.7	131.2
77.5°	140.1	138.5	136.3	132.2	130.8	126.9	123.4	121.1	120.1	121.7	124.2
78°	132.7	131.2	128.9	125.1	123.6	119.9	116.4	113.8	113.0	114.4	116.9
78.5°	125.4	124.0	121.7	117.9	116.6	112.6	109.0	106.9	105.9	107.3	109.7
79°	118.3	116.8	114.4	110.6	109.3	105.3	101.9	99.8	98.8	100.2	102.6
79.5°	111.2	109.8	107.4	103.6	102.2	98.5	95.1	93.1	92.1	93.6	95.8
80°	104.0	102.4	100.3	96.6	95.4	91.8	88.4	86.3	85.4	86.9	89.2
80.5°	97.2	95.6	93.5	89.8	88.7	85.0	81.8	79.7	78.6	80.3	82.7
81°	90.2	88.7	86.9	83.1	82.1	78.5	75.1	73.1	72.2	73.8	76.1
81.5°	83.4	82.2	80.0	76.5	75.4	71.9	68.6	66.7	66.0	67.1	69.5
82°	76.7	75.6	73.2	69.8	68.9	65.4	62.2	60.3	59.6	60.9	63.1
82.5°	70.0	69.1	66.5	63.2	62.5	59.2	56.3	54.3	53.5	54.8	56.9
83°	63.5	62.2	60.2	57.1	56.5	53.2	50.3	48.4	47.7	49.0	51.2
83.5°	57.4	56.1	54.0	51.2	50.5	47.3	44.4	42.6	42.0	43.2	45.1
84°	51.4	50.2	48.1	45.5	44.7	41.6	38.8	37.1	36.4	37.7	39.6
84.5°	45.7	44.5	42.6	39.9	39.1	36.2	33.5	31.8	31.4	32.5	34.2
85°	40.0	38.9	37.1	34.5	33.7	31.0	28.5	26.8	26.5	27.4	29.2
85.5°	34.6	33.6	32.0	29.5	28.6	26.0	23.6	22.4	22.0	22.8	24.4
86°	29.7	28.7	27.2	24.8	24.0	21.5	19.4	18.1	17.8	18.6	20.1
86.5°	24.9	24.2	22.9	20.7	19.7	17.6	15.8	14.7	14.4	15.4	16.4
87°	20.8	20.1	18.7	16.8	16.1	14.2	12.5	11.4	11.3	12.0	13.2
87.5°	16.9	16.3	15.0	13.2	12.6	10.9	9.3	8.3	8.3	9.0	10.1
88°	13.2	12.7	11.6	9.9	9.5	7.9	6.5	5.8	5.7	6.3	7.2
88.5°	9.9	9.4	8.5	7.1	6.9	5.3	4.2	3.4	3.3	3.9	4.7
89°	7.1	6.7	5.9	4.8	4.8	3.4	2.2	1.7	1.5	1.9	2.7
89.5°	4.9	4.6	4.0	3.0	2.7	1.6	0.8	1.5	1.3	1.7	0.9

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



TEST NUMBER: P869735
CATALOG NUMBER: SMX18SLSFS010-2000LM-5000K

CANDELA DISTRIBUTION (continued):

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

TEST NUMBER: P869735
 CATALOG NUMBER: SMX18SLSFS010-2000LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	842.9	842.9	842.9	842.9	842.9	842.9
0.5°	843.6	841.9	844.1	842.4	842.3	842.8
1°	842.9	841.7	844.4	842.7	842.2	843.5
1.5°	842.6	842.7	843.7	842.7	842.4	842.7
2°	842.1	842.5	842.8	842.7	843.6	842.2
2.5°	841.6	841.2	843.7	842.1	842.2	842.1
3°	842.4	840.6	843.6	841.5	842.9	840.9
3.5°	841.7	841.5	842.6	841.0	842.3	841.4
4°	841.5	840.7	842.5	841.3	841.2	841.1
4.5°	841.4	839.8	842.0	840.9	841.0	841.0
5°	840.8	839.2	842.2	840.2	840.5	841.4
5.5°	838.8	838.5	841.8	839.8	841.0	840.8
6°	837.8	838.1	841.9	839.6	839.6	840.4
6.5°	836.9	838.4	840.9	839.5	839.2	839.6
7°	836.5	836.4	840.0	838.0	838.9	839.1
7.5°	835.5	836.2	839.0	837.5	838.7	837.6
8°	834.3	835.3	836.9	836.8	837.5	836.7
8.5°	832.9	833.6	835.8	835.5	835.3	835.7
9°	831.8	832.6	835.5	833.6	835.1	834.5
9.5°	829.7	831.6	834.1	832.5	833.4	832.5
10°	828.6	830.3	832.1	831.0	831.8	830.7
10.5°	826.7	828.5	830.7	828.2	831.4	829.7
11°	825.5	826.7	829.1	826.9	829.2	828.2
11.5°	823.2	824.6	827.4	826.1	827.2	826.4
12°	821.5	822.2	826.4	824.9	825.8	825.7
12.5°	819.9	821.1	823.7	822.6	824.5	824.3
13°	818.6	819.0	821.4	821.6	822.6	822.7
13.5°	816.5	817.7	820.0	820.2	820.8	821.1
14°	815.2	815.6	819.0	818.7	818.3	819.6
14.5°	813.7	814.0	816.1	816.5	817.1	817.7
15°	811.5	811.5	813.8	813.6	816.1	816.4
15.5°	807.9	810.2	812.2	810.9	814.6	813.7
16°	805.7	808.3	810.0	809.7	811.8	812.2
16.5°	803.5	805.5	807.9	807.4	810.4	809.7
17°	801.8	802.1	805.5	804.2	807.9	806.6
17.5°	799.2	800.3	804.2	801.8	805.5	804.8
18°	796.4	798.6	801.8	800.8	803.1	803.1
18.5°	794.0	796.3	798.5	798.6	799.9	800.3
19°	791.2	793.3	795.1	795.2	796.8	796.9
19.5°	788.0	790.7	792.5	792.0	794.4	794.3
20°	785.8	788.1	790.2	789.3	791.5	791.7
20.5°	784.0	785.8	786.7	787.0	789.1	788.8
21°	781.4	782.2	784.1	785.0	786.6	787.0
21.5°	778.2	778.3	781.3	782.6	784.5	784.1
22°	774.8	775.2	778.2	779.1	782.0	780.3

TEST NUMBER: P869735
 CATALOG NUMBER: SMX18SLSFS010-2000LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	770.7	773.3	775.1	775.4	778.0	777.1
23°	768.1	770.3	772.7	772.6	774.3	774.4
23.5°	764.5	766.2	769.2	770.5	771.3	771.2
24°	761.5	763.1	766.8	766.2	768.1	768.2
24.5°	759.3	760.6	763.2	763.1	765.0	765.3
25°	755.7	757.2	759.7	760.8	762.7	761.9
25.5°	751.9	754.5	755.8	757.5	760.1	758.4
26°	748.6	749.7	752.6	753.7	755.8	755.5
26.5°	745.1	746.0	749.7	749.3	751.6	752.2
27°	740.9	742.2	746.7	746.1	748.5	748.4
27.5°	736.8	737.8	742.5	743.1	746.2	745.3
28°	733.2	734.0	738.3	740.3	742.3	742.0
28.5°	728.9	731.3	734.3	736.1	738.2	736.7
29°	725.9	727.6	731.4	732.2	733.3	733.6
29.5°	722.2	723.4	727.3	728.2	730.6	728.9
30°	719.0	719.5	722.9	723.5	727.0	726.7
30.5°	713.6	716.5	718.2	718.9	722.6	722.2
31°	709.4	710.7	714.7	715.6	718.3	717.5
31.5°	705.1	706.8	711.1	710.9	714.7	713.5
32°	701.8	703.0	707.2	706.9	711.1	709.4
32.5°	698.1	699.3	702.6	703.1	707.4	705.3
33°	693.5	695.0	698.8	700.0	702.7	701.3
33.5°	687.8	690.4	694.2	695.3	698.5	696.9
34°	683.9	685.9	689.4	690.2	693.6	691.9
34.5°	678.9	681.6	685.0	685.9	689.2	687.4
35°	674.6	677.1	680.5	681.9	684.9	684.5
35.5°	670.6	671.8	676.4	677.5	680.0	680.0
36°	666.0	666.7	671.4	672.9	675.1	674.6
36.5°	661.4	662.0	666.7	667.0	670.6	669.9
37°	656.6	657.2	662.6	662.6	665.6	666.0
37.5°	651.1	653.1	657.7	657.5	661.7	661.4
38°	646.0	648.0	652.9	653.2	657.1	656.4
38.5°	641.1	643.3	647.6	648.6	652.4	650.7
39°	635.9	638.9	643.1	643.7	646.2	646.1
39.5°	631.2	634.4	638.1	638.2	641.5	641.1
40°	625.9	628.9	633.1	634.2	636.2	636.9
40.5°	621.6	623.4	627.8	629.3	631.3	632.1
41°	616.8	618.7	622.5	624.2	625.8	626.9
41.5°	611.1	613.9	617.3	618.7	621.0	621.7
42°	605.9	608.2	612.5	613.0	616.6	616.2
42.5°	599.7	602.1	606.9	607.5	611.3	611.0
43°	594.2	597.4	600.7	602.7	606.2	605.6
43.5°	588.4	591.4	594.9	597.7	600.4	600.0
44°	583.5	585.3	589.3	591.8	595.0	594.8
44.5°	577.9	580.8	584.9	585.4	589.5	589.4

TEST NUMBER: P869735
 CATALOG NUMBER: SMX18SLSFS010-2000LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	572.3	575.7	579.7	579.8	583.3	583.8
45.5°	566.3	570.2	573.8	574.5	577.4	578.6
46°	560.8	564.4	568.4	569.1	572.1	572.6
46.5°	555.1	558.3	562.7	564.4	566.4	566.4
47°	549.2	552.7	557.1	558.3	560.8	561.0
47.5°	543.3	547.2	551.2	552.4	554.7	555.4
48°	537.6	541.2	545.4	546.6	549.3	549.7
48.5°	531.8	534.6	539.3	540.8	543.6	543.2
49°	525.6	528.6	532.9	534.8	537.5	537.5
49.5°	519.7	522.8	526.5	528.9	531.8	531.6
50°	513.6	516.0	520.3	523.4	525.6	526.1
50.5°	507.4	510.1	514.2	517.3	519.1	519.5
51°	501.6	504.7	508.7	510.6	513.3	513.1
51.5°	495.6	498.0	502.8	504.3	507.6	507.4
52°	489.5	491.5	496.8	497.9	501.8	501.8
52.5°	482.9	485.8	490.6	492.5	495.4	495.6
53°	476.6	479.7	484.4	486.5	489.7	489.2
53.5°	470.8	473.4	477.8	479.1	483.0	482.4
54°	464.0	466.9	471.5	472.8	476.6	476.6
54.5°	457.7	460.1	465.1	467.0	469.6	470.6
55°	451.3	453.7	458.4	460.4	463.7	463.6
55.5°	444.9	447.1	451.7	454.2	457.5	456.8
56°	438.4	440.6	445.4	447.6	450.9	450.9
56.5°	431.7	433.9	438.8	440.6	444.5	444.1
57°	424.7	427.1	432.0	434.0	437.7	437.3
57.5°	417.7	420.2	425.2	426.5	430.6	430.8
58°	411.3	413.6	418.2	420.4	424.2	424.2
58.5°	405.0	406.7	411.0	414.2	417.3	417.3
59°	398.3	400.1	404.3	407.5	410.6	410.6
59.5°	390.9	393.2	397.2	400.6	403.8	404.1
60°	384.5	385.9	390.9	393.4	397.1	397.1
60.5°	376.8	378.9	383.5	386.5	390.2	390.3
61°	369.8	371.8	376.8	379.3	383.0	383.4
61.5°	363.0	365.3	370.2	372.2	375.7	375.8
62°	355.9	358.4	363.3	365.2	368.9	369.3
62.5°	349.0	351.3	356.3	358.4	361.8	362.1
63°	341.7	343.7	348.9	351.0	355.1	355.2
63.5°	334.7	336.7	341.9	344.1	347.7	348.6
64°	327.6	329.9	334.7	336.8	339.9	340.9
64.5°	320.4	322.9	327.8	330.1	332.7	333.9
65°	313.1	315.5	320.0	322.9	325.7	327.0
65.5°	306.3	308.2	312.8	315.4	318.5	319.8
66°	298.9	300.4	305.5	308.1	311.2	311.8
66.5°	291.4	293.5	298.2	301.2	303.9	304.2
67°	283.9	286.2	290.8	293.9	297.0	297.3

TEST NUMBER: P869735
 CATALOG NUMBER: SMX18SLSFS010-2000LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	276.7	278.6	282.9	285.9	289.5	289.7
68°	269.1	270.9	275.6	278.8	282.1	282.3
68.5°	262.0	263.7	268.3	271.4	274.2	274.8
69°	255.0	256.6	260.5	263.7	266.8	267.5
69.5°	247.4	249.2	253.1	256.3	259.4	260.3
70°	239.7	241.5	245.6	249.2	251.9	252.3
70.5°	232.2	233.6	238.3	241.5	244.6	244.8
71°	224.6	226.1	230.8	233.7	237.0	237.3
71.5°	216.9	218.7	223.0	226.6	229.7	230.0
72°	209.3	211.3	215.7	218.9	221.7	222.6
72.5°	202.2	203.5	208.2	211.1	214.1	215.1
73°	194.7	195.7	200.4	203.4	206.5	207.5
73.5°	187.3	188.6	193.4	196.0	199.0	199.6
74°	179.8	180.8	185.5	188.3	191.6	192.2
74.5°	172.5	173.3	177.9	181.1	183.8	184.6
75°	164.7	165.8	170.2	173.6	176.1	176.9
75.5°	157.4	158.5	163.0	166.0	168.6	169.5
76°	150.0	151.0	155.4	158.5	161.2	162.2
76.5°	142.6	143.7	148.1	151.2	153.7	154.6
77°	135.1	136.1	140.6	143.6	146.4	147.5
77.5°	127.8	129.1	133.3	136.6	139.4	140.1
78°	120.6	121.8	126.1	129.3	132.0	132.7
78.5°	113.4	114.7	119.2	122.3	124.8	125.4
79°	106.5	107.6	111.9	114.9	117.4	118.3
79.5°	99.3	100.7	104.7	107.8	110.4	111.2
80°	92.5	93.6	97.6	100.6	103.3	104.0
80.5°	86.0	86.9	91.1	93.8	96.4	97.2
81°	79.4	80.3	84.3	87.2	89.6	90.2
81.5°	72.9	73.6	77.6	80.4	82.7	83.4
82°	66.4	67.0	70.9	73.8	76.1	76.7
82.5°	60.2	60.8	64.4	67.1	69.6	70.0
83°	54.3	54.7	57.9	60.6	63.1	63.5
83.5°	48.2	48.7	51.9	54.5	56.9	57.4
84°	42.6	43.0	46.3	48.6	50.7	51.4
84.5°	37.1	37.6	40.6	43.0	45.1	45.7
85°	31.9	32.5	35.3	37.7	39.4	40.0
85.5°	26.8	27.4	30.3	32.5	34.1	34.6
86°	22.4	23.1	25.4	27.5	29.3	29.7
86.5°	18.3	19.0	21.2	23.1	24.6	24.9
87°	15.0	15.3	17.3	18.9	20.3	20.8
87.5°	11.7	12.0	13.8	15.2	16.4	16.9
88°	8.8	8.6	10.3	12.0	13.0	13.2
88.5°	6.0	5.8	7.1	8.5	9.5	9.9
89°	3.8	3.9	4.8	5.8	6.6	7.1
89.5°	1.8	2.1	2.9	3.7	4.6	4.9

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



TEST NUMBER: P869735
CATALOG NUMBER: SMX18SLSFS010-2000LM-5000K

CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)