

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: P869751

Luminaire Tested: **SMX18SLSFSD2W-2500LM-2700K**

Issue Date: 8/29/2024

Tested By:

Approved By:



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Test Information

Test Method: LM-79-08
 Report Number: P869751
 Test Lab:
 Issue Date: 8/29/2024
 Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
 Product Line: HALO
 Catalog Number: SMX18SLSFSD2W-2500LM-2700K
 Description: 18IN SQUARE, 90CRI, DIMMING TO 10%, DAMP LOCATION
 Light Source: SELECTABLE CCT 90CRI / 2700K CCT
 Ballast/Driver: -

Summary

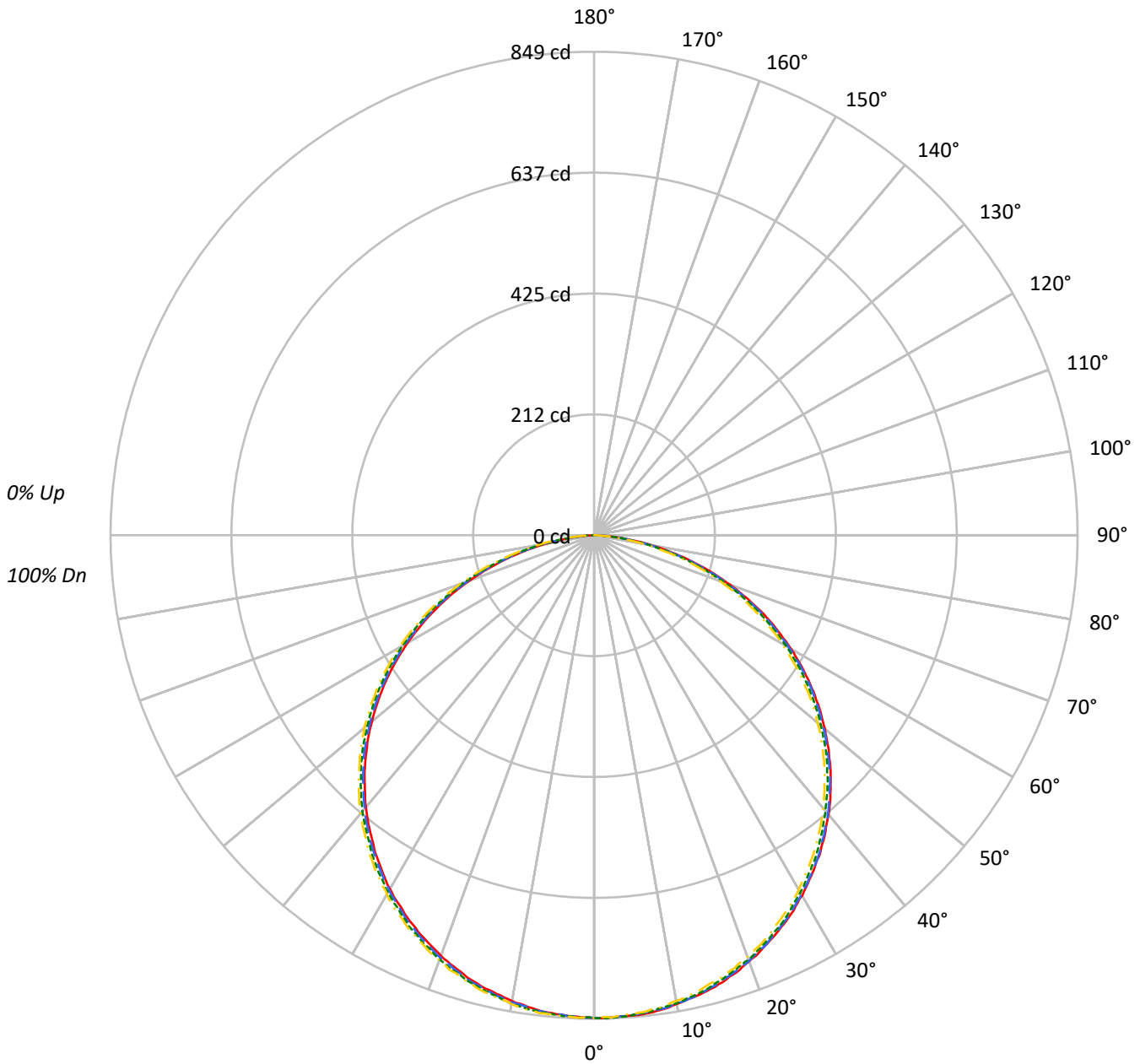
Lumens per Lamp: N/A
 Luminaire Lumens: 2475.0 lumens
 Efficiency: N/A
 Efficacy: 83.3 lumens/watt
 Spacing Criteria (0/90/45): 1.27 / 1.27 / 1.39
 Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
 CIE Type: Direct

Input Watts (W): 29.7
 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

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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	26	24

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	4056	4056	4056	4056
5°	4064	4055	4044	4054
10°	4059	4055	4034	4057
15°	4067	4040	4020	4042
20°	4054	4039	4003	4036
25°	4045	4024	3979	4020
30°	4038	4001	3962	3998
35°	4021	3981	3930	3977
40°	4001	3948	3894	3950
45°	3973	3915	3848	3918
50°	3939	3872	3792	3863
55°	3889	3817	3724	3806
60°	3821	3730	3620	3713
65°	3723	3605	3472	3593
70°	3549	3413	3249	3398
75°	3288	3120	2909	3081
80°	2882	2642	2367	2595
85°	2207	1861	1460	1795

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.3	3.2
10°-20°	230.4	9.3
20°-30°	350.9	14.2
30°-40°	426.0	17.2
40°-50°	446.2	18.0
50°-60°	407.9	16.5
60°-70°	314.0	12.7
70°-80°	177.5	7.2
80°-90°	41.8	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°	661.6	26.7
0°-40°	1087.6	43.9
0°-60°	1941.7	78.5
0°-90°	2475.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2475.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	848	848	848	848	848	
5°	846	844	842	844	846	80
15°	821	816	812	816	821	232
25°	766	762	754	762	766	353
35°	688	682	673	681	688	430
45°	587	579	569	579	587	453
55°	466	458	446	456	466	417
65°	329	318	307	317	329	324
75°	178	169	157	167	178	188
85°	40	34	27	33	40	49
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°	847.8	847.8	847.8	847.8	847.8	847.8	847.8	847.8	847.8	847.8	847.8
0.5°	847.7	847.4	847.9	847.2	848.1	848.8	847.2	847.8	847.2	847.7	846.8
1°	848.4	846.9	848.0	847.8	847.7	848.0	846.6	847.1	846.7	847.3	847.8
1.5°	847.6	847.6	847.1	847.8	848.7	847.8	846.0	847.0	847.0	846.6	847.6
2°	847.1	846.5	846.9	847.6	848.4	847.5	847.1	846.0	845.9	845.9	845.9
2.5°	847.0	847.3	846.6	847.6	847.7	847.5	846.2	845.9	845.6	845.6	845.7
3°	845.8	847.5	846.4	846.7	846.9	846.7	845.1	846.5	845.4	844.7	845.9
3.5°	846.3	847.7	846.1	846.6	847.1	845.9	845.1	845.9	844.5	844.6	844.6
4°	846.0	846.7	845.9	846.8	846.5	845.4	843.3	845.1	843.7	844.9	843.7
4.5°	845.9	846.6	844.7	846.5	845.6	845.2	843.3	843.4	843.7	844.0	843.5
5°	846.3	845.9	844.7	845.2	844.4	844.9	842.7	843.0	842.2	842.0	844.2
5.5°	845.7	845.2	844.0	843.8	843.7	843.8	842.3	841.7	842.0	841.0	843.0
6°	845.2	845.2	843.4	843.9	843.7	842.0	841.7	841.4	841.4	840.2	841.4
6.5°	844.5	844.9	842.7	842.5	842.7	842.3	840.4	840.2	840.1	839.5	840.7
7°	843.9	844.2	842.0	842.1	841.7	841.2	838.1	838.7	839.0	838.2	840.7
7.5°	842.5	842.2	840.7	840.5	839.5	840.5	838.0	837.8	837.4	837.1	839.0
8°	841.5	840.5	840.2	840.2	838.2	839.5	837.3	836.3	836.5	836.1	836.6
8.5°	840.6	839.4	839.9	838.2	837.7	838.3	835.9	835.5	834.0	835.2	835.7
9°	839.4	838.0	838.5	837.6	836.6	837.2	833.8	834.4	833.0	833.5	834.4
9.5°	837.4	837.5	836.6	835.7	835.7	836.0	831.7	832.3	832.7	832.4	834.1
10°	835.6	835.6	835.0	835.1	834.7	834.4	830.6	830.7	830.4	831.8	832.6
10.5°	834.5	834.5	834.4	833.0	833.1	832.1	829.6	829.2	828.6	829.9	830.9
11°	833.1	833.1	833.1	832.3	831.3	830.9	827.8	828.6	827.0	827.4	829.0
11.5°	831.2	832.3	831.0	829.9	828.6	829.7	826.2	826.5	824.4	826.4	827.4
12°	830.5	830.1	829.9	828.2	827.8	828.3	823.8	825.7	823.3	824.1	826.5
12.5°	829.1	828.4	829.2	826.7	826.7	826.7	822.0	824.0	821.0	822.4	824.3
13°	827.5	828.0	827.1	824.7	824.7	824.7	820.7	821.5	819.5	821.0	821.6
13.5°	825.9	826.5	824.3	823.2	823.0	822.5	818.4	820.1	818.7	819.4	819.2
14°	824.3	824.7	822.4	822.1	821.2	819.0	815.5	817.7	816.6	817.9	818.1
14.5°	822.4	822.1	820.2	819.3	819.0	817.7	813.3	815.2	814.1	815.3	816.1
15°	821.1	819.8	818.5	818.2	815.7	816.2	812.0	813.2	811.7	812.2	814.6
15.5°	818.4	818.0	816.6	815.5	813.9	813.8	810.4	810.7	810.0	810.0	812.6
16°	817.0	815.7	814.0	813.7	812.5	812.0	808.1	808.4	807.8	808.5	810.4
16.5°	814.4	813.4	811.9	810.9	809.6	809.8	805.6	806.2	804.3	806.2	807.9
17°	811.3	810.7	809.4	809.5	807.2	807.4	803.3	804.3	801.5	803.0	804.5
17.5°	809.5	808.7	807.5	806.0	804.2	804.9	801.1	801.9	799.2	800.3	802.3
18°	807.8	806.6	805.0	803.6	802.4	801.9	799.0	798.8	796.6	797.8	800.0
18.5°	804.9	804.3	802.7	801.0	799.3	799.6	795.1	795.5	794.6	795.2	796.5
19°	801.5	802.2	800.0	798.5	797.7	796.8	792.6	792.9	791.4	792.6	793.1
19.5°	798.9	799.9	798.1	795.9	794.8	794.3	790.3	790.0	789.0	789.9	791.1
20°	796.3	796.5	795.7	794.0	793.4	791.9	787.6	787.1	786.2	787.0	789.1
20.5°	793.4	793.3	791.9	790.6	790.3	788.8	785.1	784.4	782.5	784.0	787.1
21°	791.5	790.2	789.3	788.0	787.0	785.8	782.3	781.3	779.7	782.0	783.5
21.5°	788.7	788.0	787.0	786.1	783.8	782.8	779.2	778.0	776.6	779.3	780.0
22°	784.8	784.7	784.0	783.2	781.1	779.1	776.8	776.5	773.4	775.3	777.2

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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°	781.6	781.6	781.7	779.7	777.5	775.8	773.6	772.9	770.4	772.0	773.6
23°	778.9	778.5	778.3	776.1	774.4	773.8	769.9	770.1	767.3	769.4	770.9
23.5°	775.7	776.1	774.5	772.9	771.7	770.5	766.5	767.1	764.6	766.8	767.6
24°	772.7	773.1	771.2	770.6	768.0	767.1	763.5	762.9	761.4	762.7	764.5
24.5°	769.7	769.5	767.9	766.8	764.9	763.8	758.9	758.9	757.0	758.4	760.8
25°	766.4	765.5	764.9	763.3	762.4	760.3	755.6	756.3	753.8	755.1	757.0
25.5°	762.8	762.4	761.3	759.5	758.8	757.0	752.9	753.4	751.1	751.8	753.7
26°	759.9	759.4	757.9	756.3	756.0	753.6	749.2	749.7	747.4	748.8	751.3
26.5°	756.6	756.3	755.1	752.6	751.6	749.4	745.4	746.1	744.1	744.8	747.2
27°	752.8	752.7	751.7	749.3	748.4	745.4	742.2	742.4	739.7	740.7	742.9
27.5°	749.6	749.9	747.3	746.2	744.2	741.4	738.7	738.6	735.6	737.2	738.9
28°	746.3	744.8	743.7	742.9	739.3	737.8	734.9	734.0	732.6	734.7	735.3
28.5°	741.0	741.1	739.9	739.0	735.2	733.5	730.9	730.4	729.0	730.7	730.9
29°	737.8	737.8	735.8	735.0	732.0	730.6	727.1	726.6	725.6	726.9	727.5
29.5°	733.2	734.6	732.7	731.1	727.9	726.9	723.3	722.4	720.8	722.7	723.7
30°	730.9	730.5	728.3	726.6	724.2	721.9	719.0	718.1	717.3	718.1	719.5
30.5°	726.4	725.9	724.2	722.0	720.7	717.8	714.2	714.1	713.4	713.6	714.7
31°	721.7	721.2	720.2	718.3	716.0	713.4	710.1	709.5	709.0	709.6	711.4
31.5°	717.6	716.7	716.6	714.1	711.8	709.1	705.2	704.7	704.3	704.8	706.7
32°	713.5	713.2	711.6	710.4	707.3	705.8	701.1	701.1	699.9	700.6	702.5
32.5°	709.4	709.1	708.3	705.6	702.7	702.1	696.9	696.0	694.9	696.6	697.6
33°	705.4	705.1	704.5	701.8	699.2	697.5	692.9	691.7	690.5	692.1	693.9
33.5°	700.9	700.7	700.1	696.9	694.4	693.1	688.2	688.4	686.2	687.5	688.6
34°	695.9	697.0	695.5	692.7	690.9	688.1	684.2	684.2	681.6	683.3	684.4
34.5°	691.4	692.7	691.4	687.8	686.2	683.9	680.2	679.1	677.8	678.3	680.1
35°	688.5	688.0	687.0	682.9	681.7	679.4	675.0	674.2	673.0	674.0	675.9
35.5°	684.0	683.4	682.5	679.4	677.0	674.3	669.8	668.9	667.2	670.1	671.0
36°	678.5	678.4	677.8	674.9	672.3	668.7	665.3	665.5	662.6	665.4	667.0
36.5°	673.8	674.0	672.0	670.6	666.9	664.1	660.1	660.2	657.8	660.1	661.3
37°	669.9	669.8	667.5	665.2	662.1	659.5	655.3	655.9	652.7	654.6	656.2
37.5°	665.3	664.2	663.5	660.2	657.8	654.3	650.9	650.1	648.1	649.7	651.7
38°	660.3	659.7	658.2	656.1	652.7	649.5	646.6	644.4	643.6	645.5	647.2
38.5°	654.5	655.0	653.1	650.3	646.9	644.5	641.6	639.6	638.4	641.2	642.6
39°	649.9	649.5	648.9	645.5	641.8	640.3	636.1	635.0	633.3	636.1	637.4
39.5°	644.8	644.4	644.1	639.9	637.1	635.2	631.0	629.7	628.7	629.9	631.7
40°	640.6	639.3	639.2	634.9	632.2	629.7	626.3	624.7	623.6	624.9	626.4
40.5°	635.8	634.8	634.0	629.7	626.6	624.2	620.5	620.1	618.2	619.4	621.4
41°	630.5	629.7	628.2	625.6	621.8	618.9	614.8	614.3	613.1	613.6	616.2
41.5°	625.3	624.6	622.9	620.4	616.5	614.3	609.8	608.4	606.7	608.6	610.8
42°	619.8	618.8	617.7	615.0	611.5	608.2	604.4	603.4	601.5	603.3	605.4
42.5°	614.5	614.1	611.8	610.1	606.2	603.0	598.9	597.7	595.8	598.4	600.9
43°	609.2	609.3	606.4	604.1	600.9	598.6	593.4	592.7	590.8	592.4	594.6
43.5°	603.5	603.8	602.0	598.3	596.0	593.1	588.2	586.6	585.7	587.5	589.4
44°	598.3	597.8	596.4	592.7	590.4	586.8	582.8	581.2	580.4	582.1	583.7
44.5°	592.8	592.6	590.6	587.1	583.7	581.0	577.6	575.7	574.5	577.0	578.4

TEST NUMBER: P869751
 CATALOG NUMBER: SMX18SLSFSD2W-2500LM-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	587.2	586.2	584.8	581.7	578.7	575.5	571.7	570.3	568.8	570.6	572.8
45.5°	582.0	581.2	578.9	577.1	573.5	570.6	566.4	564.4	562.7	565.3	567.0
46°	575.9	576.0	573.4	570.9	568.0	564.9	559.5	558.5	556.7	559.5	561.9
46.5°	569.7	569.4	567.8	564.4	562.4	559.1	554.2	552.7	551.0	553.9	556.0
47°	564.3	563.7	561.6	559.1	556.8	553.2	548.1	546.9	545.3	547.9	550.4
47.5°	558.7	557.9	555.5	552.9	550.5	547.2	542.2	541.0	539.9	541.4	544.1
48°	552.9	552.6	549.5	547.3	544.3	541.4	536.9	535.6	533.8	535.6	537.7
48.5°	546.4	546.4	544.1	541.4	537.8	535.1	530.7	529.8	528.1	529.3	532.5
49°	540.6	540.7	538.4	535.5	532.1	528.9	525.1	523.7	521.8	523.5	525.9
49.5°	534.7	535.0	532.3	529.4	525.9	522.5	518.6	517.5	515.7	517.9	519.2
50°	529.2	528.8	525.7	523.1	520.2	517.0	512.2	511.8	509.5	512.0	513.6
50.5°	522.5	522.5	519.8	516.8	514.6	511.5	506.5	505.6	503.1	505.4	507.7
51°	516.1	516.2	513.5	510.9	508.6	504.8	499.8	498.8	497.0	498.6	501.4
51.5°	510.3	510.1	507.8	504.7	502.6	498.3	494.5	492.3	490.7	492.7	495.0
52°	504.7	503.5	501.7	498.6	495.5	492.8	488.4	486.7	484.3	486.5	488.7
52.5°	498.5	497.5	495.4	492.4	488.7	486.3	482.3	480.5	478.3	479.7	482.3
53°	492.1	491.5	488.9	485.9	482.6	479.1	475.5	473.8	471.7	474.3	476.2
53.5°	485.2	485.0	482.6	480.1	476.5	472.8	469.4	466.6	465.5	467.9	469.7
54°	479.4	479.1	476.8	473.1	469.8	467.0	462.5	460.5	458.8	460.8	463.6
54.5°	473.4	472.6	470.4	466.5	464.2	460.8	455.1	453.7	453.0	454.0	457.0
55°	466.3	465.9	464.3	459.9	457.6	454.2	448.8	447.8	446.5	447.6	450.1
55.5°	459.5	458.9	457.2	453.9	450.8	447.0	442.6	440.7	439.6	441.0	443.1
56°	453.5	452.4	450.1	447.2	443.7	440.2	436.2	434.2	433.1	434.5	437.2
56.5°	446.7	446.2	444.0	440.2	437.2	433.3	429.3	428.2	426.3	428.3	430.6
57°	439.8	439.7	436.9	433.3	430.8	427.0	422.6	421.3	419.2	421.8	424.2
57.5°	433.3	433.0	430.6	426.7	424.3	420.6	415.4	413.8	412.6	414.6	417.2
58°	426.7	425.6	423.8	419.8	417.3	413.5	408.5	407.1	405.8	407.5	409.9
58.5°	419.7	418.6	416.7	413.0	410.2	406.1	401.7	400.4	399.2	400.5	403.1
59°	413.0	412.5	409.6	406.3	403.7	399.6	395.3	393.5	391.8	393.8	396.0
59.5°	406.5	405.4	403.2	400.1	396.9	392.8	388.3	386.8	385.0	387.3	389.1
60°	399.4	398.5	395.8	393.1	389.8	385.9	381.9	380.0	378.3	380.4	382.8
60.5°	392.5	391.3	388.9	386.2	382.1	379.2	374.8	373.0	371.3	372.8	375.8
61°	385.6	384.1	381.8	378.8	375.4	372.1	368.0	365.6	364.4	366.2	368.9
61.5°	378.0	377.0	374.8	371.5	368.4	364.9	361.0	358.3	356.9	359.0	361.7
62°	371.4	370.0	367.8	364.3	361.4	357.8	354.0	351.5	349.8	352.0	354.6
62.5°	364.2	363.0	360.6	357.4	354.0	351.0	346.6	344.4	342.5	344.8	347.1
63°	357.2	355.9	353.4	350.4	347.2	343.8	339.3	337.5	335.6	337.4	339.8
63.5°	350.7	348.5	346.4	342.8	340.4	336.6	332.3	330.1	328.8	330.0	333.1
64°	342.9	341.8	339.3	335.9	333.5	329.3	324.6	322.8	321.4	323.0	326.0
64.5°	335.9	334.6	332.1	328.4	325.7	322.2	317.1	315.5	313.8	315.5	318.6
65°	328.9	327.7	324.9	321.0	318.5	314.9	309.9	308.2	306.7	308.4	311.2
65.5°	321.6	320.2	317.8	313.5	311.3	307.3	302.4	301.0	299.6	301.2	304.0
66°	313.6	312.9	309.9	306.1	303.9	300.0	295.2	293.3	292.4	293.8	296.6
66.5°	306.0	305.3	302.5	299.0	296.4	292.7	287.7	286.2	285.0	286.2	288.9
67°	299.0	297.6	295.1	291.5	289.3	285.3	281.0	278.5	277.7	278.8	281.7

TEST NUMBER: P869751
 CATALOG NUMBER: SMX18SLSFSD2W-2500LM-2700K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	291.4	290.1	287.5	283.7	281.8	277.9	273.5	270.9	270.2	271.3	274.0
68°	283.9	282.8	280.0	276.1	274.5	270.4	266.0	263.9	262.7	264.2	266.9
68.5°	276.4	275.3	272.8	269.1	266.9	263.0	258.4	256.6	255.0	256.5	259.6
69°	269.0	268.3	265.3	261.9	259.8	255.3	250.7	248.7	247.4	248.9	252.1
69.5°	261.8	260.7	257.7	253.6	251.8	247.4	243.2	240.9	239.9	241.1	244.7
70°	253.7	253.1	250.0	246.1	244.0	240.2	235.6	233.7	232.3	233.7	236.7
70.5°	246.2	245.6	242.3	238.7	236.8	232.9	228.5	226.3	225.1	226.5	229.4
71°	238.7	238.0	235.2	231.4	229.3	225.5	220.9	218.9	217.7	219.0	221.7
71.5°	231.3	230.6	227.5	223.3	221.6	217.8	213.2	211.0	210.0	211.4	214.1
72°	223.9	222.8	219.7	215.9	214.1	210.0	205.6	203.4	202.7	203.9	206.9
72.5°	216.4	214.8	212.0	208.5	206.6	202.6	198.2	196.2	195.0	196.5	199.3
73°	208.7	207.1	204.3	200.6	199.1	195.3	190.9	188.4	187.2	189.0	191.8
73.5°	200.8	199.6	197.1	193.1	191.3	187.4	183.3	180.8	179.7	181.9	184.2
74°	193.3	192.0	189.0	185.6	183.7	179.9	175.9	173.5	172.3	174.1	176.7
74.5°	185.7	184.4	181.7	177.6	176.4	172.5	168.4	166.1	165.0	166.6	169.1
75°	177.9	176.7	174.1	169.9	168.8	164.7	160.8	158.7	157.4	159.1	161.6
75.5°	170.4	169.4	166.6	162.7	161.3	157.4	153.7	151.0	150.1	152.0	154.4
76°	163.1	162.0	159.2	155.1	153.8	149.9	146.1	143.6	142.8	144.4	146.9
76.5°	155.5	154.5	151.7	147.7	146.5	142.5	138.6	136.6	135.3	136.9	139.4
77°	148.3	146.8	144.3	140.3	139.1	135.0	131.4	129.0	128.1	129.5	132.0
77.5°	141.0	139.3	137.1	133.0	131.5	127.6	124.1	121.8	120.8	122.4	124.9
78°	133.4	132.0	129.6	125.8	124.4	120.6	117.1	114.4	113.6	115.0	117.6
78.5°	126.1	124.7	122.4	118.6	117.3	113.3	109.7	107.5	106.5	107.9	110.3
79°	119.0	117.5	115.0	111.2	109.9	105.9	102.5	100.4	99.4	100.7	103.2
79.5°	111.8	110.4	108.0	104.2	102.8	99.1	95.6	93.7	92.6	94.2	96.3
80°	104.6	103.0	100.8	97.2	95.9	92.4	88.9	86.8	85.9	87.4	89.8
80.5°	97.7	96.2	94.1	90.4	89.2	85.5	82.2	80.2	79.0	80.8	83.2
81°	90.7	89.2	87.4	83.6	82.6	79.0	75.5	73.5	72.6	74.2	76.5
81.5°	83.9	82.7	80.5	77.0	75.8	72.3	69.0	67.1	66.4	67.5	69.9
82°	77.1	76.0	73.6	70.2	69.3	65.8	62.6	60.6	59.9	61.2	63.5
82.5°	70.4	69.5	66.9	63.6	62.9	59.5	56.6	54.6	53.8	55.1	57.2
83°	63.8	62.6	60.5	57.4	56.8	53.5	50.6	48.7	48.0	49.3	51.5
83.5°	57.8	56.4	54.3	51.5	50.8	47.6	44.6	42.9	42.3	43.4	45.4
84°	51.7	50.5	48.4	45.7	45.0	41.9	39.0	37.3	36.6	37.9	39.9
84.5°	45.9	44.8	42.9	40.1	39.3	36.4	33.7	32.0	31.6	32.7	34.4
85°	40.2	39.2	37.4	34.7	33.9	31.2	28.6	27.0	26.6	27.6	29.4
85.5°	34.8	33.8	32.2	29.7	28.8	26.1	23.7	22.5	22.1	22.9	24.6
86°	29.8	28.9	27.3	25.0	24.1	21.6	19.5	18.2	17.9	18.7	20.2
86.5°	25.1	24.4	23.0	20.8	19.8	17.7	15.9	14.8	14.4	15.5	16.5
87°	20.9	20.2	18.9	16.9	16.2	14.3	12.5	11.5	11.3	12.0	13.3
87.5°	16.9	16.3	15.1	13.3	12.7	11.0	9.3	8.4	8.4	9.1	10.1
88°	13.3	12.8	11.7	9.9	9.5	8.0	6.6	5.8	5.7	6.3	7.3
88.5°	9.9	9.4	8.6	7.1	6.9	5.4	4.2	3.5	3.3	3.9	4.8
89°	7.1	6.7	6.0	4.8	4.8	3.4	2.2	1.7	1.6	1.9	2.7
89.5°	4.9	4.7	4.0	3.0	2.7	1.6	0.8	1.6	1.3	1.7	1.0

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



TEST NUMBER: P869751
CATALOG NUMBER: SMX18SLSFSD2W-2500LM-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: P869751
 CATALOG NUMBER: SMX18SLSFSD2W-2500LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	847.8	847.8	847.8	847.8	847.8	847.8
0.5°	848.5	846.8	849.0	847.3	847.2	847.7
1°	847.8	846.6	849.3	847.6	847.1	848.4
1.5°	847.5	847.6	848.6	847.6	847.3	847.6
2°	847.0	847.4	847.7	847.6	848.5	847.1
2.5°	846.5	846.1	848.6	847.0	847.1	847.0
3°	847.3	845.5	848.5	846.4	847.8	845.8
3.5°	846.6	846.4	847.5	845.9	847.1	846.3
4°	846.4	845.6	847.4	846.2	846.1	846.0
4.5°	846.3	844.7	846.9	845.8	845.9	845.9
5°	845.7	844.1	847.1	845.1	845.4	846.3
5.5°	843.7	843.3	846.7	844.7	845.9	845.7
6°	842.7	843.0	846.8	844.5	844.5	845.2
6.5°	841.8	843.3	845.8	844.4	844.1	844.5
7°	841.4	841.3	844.9	842.9	843.8	843.9
7.5°	840.3	841.1	843.9	842.4	843.6	842.5
8°	839.1	840.1	841.8	841.7	842.4	841.5
8.5°	837.7	838.4	840.7	840.4	840.1	840.6
9°	836.6	837.5	840.4	838.4	840.0	839.4
9.5°	834.5	836.4	838.9	837.4	838.2	837.4
10°	833.4	835.1	836.9	835.8	836.6	835.6
10.5°	831.5	833.3	835.6	833.1	836.3	834.5
11°	830.3	831.5	833.9	831.8	834.0	833.1
11.5°	828.0	829.4	832.2	830.9	832.0	831.2
12°	826.3	827.0	831.2	829.7	830.6	830.5
12.5°	824.7	825.9	828.5	827.4	829.3	829.1
13°	823.4	823.7	826.2	826.4	827.4	827.5
13.5°	821.3	822.5	824.7	824.9	825.6	825.9
14°	819.9	820.3	823.8	823.5	823.1	824.3
14.5°	818.4	818.8	820.9	821.2	821.8	822.4
15°	816.2	816.2	818.5	818.4	820.9	821.1
15.5°	812.6	814.9	816.9	815.6	819.3	818.4
16°	810.4	813.0	814.7	814.4	816.5	817.0
16.5°	808.1	810.1	812.6	812.1	815.1	814.4
17°	806.4	806.8	810.2	808.9	812.6	811.3
17.5°	803.8	804.9	808.9	806.5	810.2	809.5
18°	801.1	803.2	806.4	805.5	807.8	807.8
18.5°	798.6	801.0	803.1	803.2	804.5	804.9
19°	795.8	797.9	799.8	799.8	801.4	801.5
19.5°	792.6	795.3	797.1	796.6	799.0	798.9
20°	790.3	792.7	794.8	793.9	796.1	796.3
20.5°	788.6	790.3	791.3	791.5	793.7	793.4
21°	785.9	786.7	788.7	789.6	791.2	791.5
21.5°	782.7	782.8	785.8	787.1	789.0	788.7
22°	779.3	779.7	782.7	783.7	786.5	784.8

TEST NUMBER: P869751
 CATALOG NUMBER: SMX18SLSFSD2W-2500LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	775.2	777.8	779.6	780.0	782.5	781.6
23°	772.5	774.8	777.2	777.1	778.8	778.9
23.5°	769.0	770.7	773.6	774.9	775.8	775.7
24°	765.9	767.5	771.2	770.6	772.6	772.7
24.5°	763.7	765.0	767.7	767.6	769.5	769.7
25°	760.1	761.6	764.1	765.3	767.2	766.4
25.5°	756.3	758.9	760.2	761.9	764.5	762.8
26°	753.0	754.0	757.0	758.1	760.1	759.9
26.5°	749.4	750.3	754.1	753.7	756.0	756.6
27°	745.2	746.5	751.1	750.5	752.9	752.8
27.5°	741.0	742.1	746.8	747.4	750.6	749.6
28°	737.5	738.3	742.6	744.6	746.7	746.3
28.5°	733.2	735.6	738.5	740.3	742.5	741.0
29°	730.1	731.9	735.7	736.5	737.6	737.8
29.5°	726.4	727.6	731.5	732.4	734.8	733.2
30°	723.1	723.7	727.1	727.7	731.3	730.9
30.5°	717.8	720.6	722.4	723.1	726.8	726.4
31°	713.5	714.8	718.8	719.8	722.4	721.7
31.5°	709.2	710.9	715.3	715.0	718.9	717.6
32°	705.9	707.1	711.3	711.0	715.3	713.5
32.5°	702.2	703.3	706.7	707.2	711.5	709.4
33°	697.5	699.0	702.8	704.0	706.8	705.4
33.5°	691.8	694.4	698.2	699.4	702.6	700.9
34°	687.9	689.9	693.4	694.3	697.6	695.9
34.5°	682.8	685.6	689.0	689.9	693.2	691.4
35°	678.5	681.0	684.5	685.9	688.9	688.5
35.5°	674.5	675.7	680.3	681.5	684.0	684.0
36°	669.9	670.6	675.3	676.8	679.0	678.5
36.5°	665.3	665.8	670.6	670.9	674.4	673.8
37°	660.4	661.0	666.4	666.4	669.5	669.9
37.5°	654.9	656.9	661.5	661.3	665.5	665.3
38°	649.7	651.8	656.7	657.0	661.0	660.3
38.5°	644.8	647.0	651.4	652.4	656.2	654.5
39°	639.6	642.6	646.9	647.5	650.0	649.9
39.5°	634.8	638.1	641.8	641.9	645.2	644.8
40°	629.6	632.5	636.7	637.9	639.9	640.6
40.5°	625.2	627.1	631.5	632.9	635.0	635.8
41°	620.4	622.3	626.1	627.8	629.5	630.5
41.5°	614.6	617.5	620.9	622.3	624.6	625.3
42°	609.4	611.8	616.1	616.6	620.2	619.8
42.5°	603.2	605.6	610.5	611.1	614.9	614.5
43°	597.7	600.9	604.2	606.2	609.8	609.2
43.5°	591.9	594.8	598.3	601.2	603.9	603.5
44°	586.8	588.7	592.7	595.2	598.4	598.3
44.5°	581.2	584.2	588.3	588.8	592.9	592.8

TEST NUMBER: P869751
 CATALOG NUMBER: SMX18SLSFSD2W-2500LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	575.6	579.1	583.0	583.2	586.7	587.2
45.5°	569.6	573.5	577.2	577.9	580.8	582.0
46°	564.1	567.6	571.7	572.4	575.4	575.9
46.5°	558.3	561.6	566.0	567.6	569.7	569.7
47°	552.4	555.9	560.3	561.6	564.0	564.3
47.5°	546.5	550.4	554.4	555.6	558.0	558.7
48°	540.8	544.3	548.5	549.7	552.5	552.9
48.5°	534.9	537.7	542.4	544.0	546.7	546.4
49°	528.6	531.7	536.0	537.9	540.7	540.6
49.5°	522.8	525.8	529.6	532.0	534.9	534.7
50°	516.6	519.0	523.3	526.4	528.6	529.2
50.5°	510.3	513.1	517.1	520.3	522.2	522.5
51°	504.5	507.6	511.6	513.6	516.3	516.1
51.5°	498.5	500.9	505.7	507.2	510.6	510.3
52°	492.3	494.4	499.7	500.8	504.7	504.7
52.5°	485.8	488.6	493.4	495.4	498.3	498.5
53°	479.4	482.5	487.2	489.3	492.5	492.1
53.5°	473.6	476.2	480.6	481.9	485.8	485.2
54°	466.7	469.6	474.3	475.5	479.4	479.4
54.5°	460.3	462.7	467.8	469.8	472.3	473.4
55°	453.9	456.3	461.0	463.1	466.4	466.3
55.5°	447.5	449.7	454.4	456.9	460.2	459.5
56°	441.0	443.2	448.0	450.2	453.5	453.5
56.5°	434.2	436.5	441.4	443.2	447.1	446.7
57°	427.1	429.5	434.5	436.5	440.3	439.8
57.5°	420.1	422.6	427.6	429.0	433.1	433.3
58°	413.7	416.0	420.6	422.9	426.7	426.7
58.5°	407.3	409.0	413.4	416.6	419.7	419.7
59°	400.6	402.4	406.6	409.9	413.0	413.0
59.5°	393.2	395.5	399.5	402.9	406.1	406.5
60°	386.7	388.1	393.1	395.7	399.4	399.4
60.5°	379.0	381.1	385.7	388.7	392.4	392.5
61°	371.9	373.9	379.0	381.5	385.2	385.6
61.5°	365.1	367.4	372.4	374.4	377.9	378.0
62°	357.9	360.4	365.4	367.4	371.0	371.4
62.5°	351.0	353.4	358.4	360.5	363.9	364.2
63°	343.7	345.7	350.9	353.0	357.2	357.2
63.5°	336.7	338.7	343.9	346.1	349.7	350.7
64°	329.5	331.8	336.7	338.7	341.9	342.9
64.5°	322.2	324.8	329.7	332.0	334.7	335.9
65°	315.0	317.4	321.9	324.8	327.6	328.9
65.5°	308.0	310.0	314.6	317.2	320.3	321.6
66°	300.6	302.2	307.3	309.9	313.0	313.6
66.5°	293.1	295.2	299.9	302.9	305.7	306.0
67°	285.6	287.9	292.5	295.6	298.7	299.0

TEST NUMBER: P869751
 CATALOG NUMBER: SMX18SLSFSD2W-2500LM-2700K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	278.3	280.2	284.5	287.5	291.2	291.4
68°	270.7	272.5	277.3	280.5	283.7	283.9
68.5°	263.5	265.2	269.9	273.0	275.8	276.4
69°	256.5	258.1	262.0	265.2	268.3	269.0
69.5°	248.8	250.6	254.6	257.8	260.9	261.8
70°	241.1	242.9	247.0	250.6	253.4	253.7
70.5°	233.6	235.0	239.7	242.9	246.0	246.2
71°	225.9	227.4	232.1	235.0	238.4	238.7
71.5°	218.2	220.0	224.3	227.9	231.0	231.3
72°	210.5	212.6	217.0	220.2	223.0	223.9
72.5°	203.4	204.7	209.4	212.3	215.3	216.4
73°	195.8	196.8	201.6	204.6	207.7	208.7
73.5°	188.4	189.6	194.5	197.2	200.2	200.8
74°	180.8	181.9	186.5	189.4	192.7	193.3
74.5°	173.5	174.3	178.9	182.1	184.9	185.7
75°	165.7	166.7	171.2	174.6	177.1	177.9
75.5°	158.3	159.4	164.0	167.0	169.6	170.4
76°	150.9	151.9	156.3	159.4	162.1	163.1
76.5°	143.4	144.5	148.9	152.0	154.6	155.5
77°	135.9	136.9	141.4	144.4	147.3	148.3
77.5°	128.5	129.8	134.0	137.4	140.2	141.0
78°	121.3	122.5	126.9	130.1	132.7	133.4
78.5°	114.1	115.4	119.9	123.0	125.5	126.1
79°	107.1	108.3	112.5	115.5	118.0	119.0
79.5°	99.9	101.3	105.3	108.4	111.0	111.8
80°	93.1	94.2	98.2	101.2	103.9	104.6
80.5°	86.5	87.4	91.6	94.3	96.9	97.7
81°	79.9	80.8	84.7	87.7	90.1	90.7
81.5°	73.3	74.0	78.0	80.9	83.2	83.9
82°	66.8	67.4	71.3	74.2	76.5	77.1
82.5°	60.5	61.1	64.8	67.5	70.0	70.4
83°	54.7	55.0	58.3	61.0	63.5	63.8
83.5°	48.5	48.9	52.2	54.8	57.2	57.8
84°	42.8	43.2	46.5	48.9	51.0	51.7
84.5°	37.3	37.8	40.8	43.2	45.4	45.9
85°	32.1	32.7	35.5	37.9	39.6	40.2
85.5°	27.0	27.6	30.4	32.7	34.3	34.8
86°	22.5	23.3	25.5	27.7	29.5	29.8
86.5°	18.4	19.1	21.4	23.3	24.7	25.1
87°	15.0	15.4	17.4	19.0	20.4	20.9
87.5°	11.8	12.0	13.9	15.3	16.5	16.9
88°	8.8	8.6	10.4	12.0	13.1	13.3
88.5°	6.1	5.9	7.1	8.6	9.6	9.9
89°	3.8	3.9	4.8	5.9	6.7	7.1
89.5°	1.8	2.2	2.9	3.7	4.7	4.9

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



TEST NUMBER: P869751
CATALOG NUMBER: SMX18SLSFSD2W-2500LM-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)