

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: HALO

Report Number: P997230

Luminaire Tested: **SMX8RLSFS010-1200LM-5000K**

Issue Date: 3/11/2025

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

**Test Information**

Test Method: LM-41-14
Report Number: P997230
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2410770A001)
Test Lab:
Issue Date: 3/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: SMX8RLSFS010-1200LM-5000K
Description: 8IN ROUND, 90CRI, 0-10V DIMMING, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 5000K CCT
Ballast/Driver: -

Summary

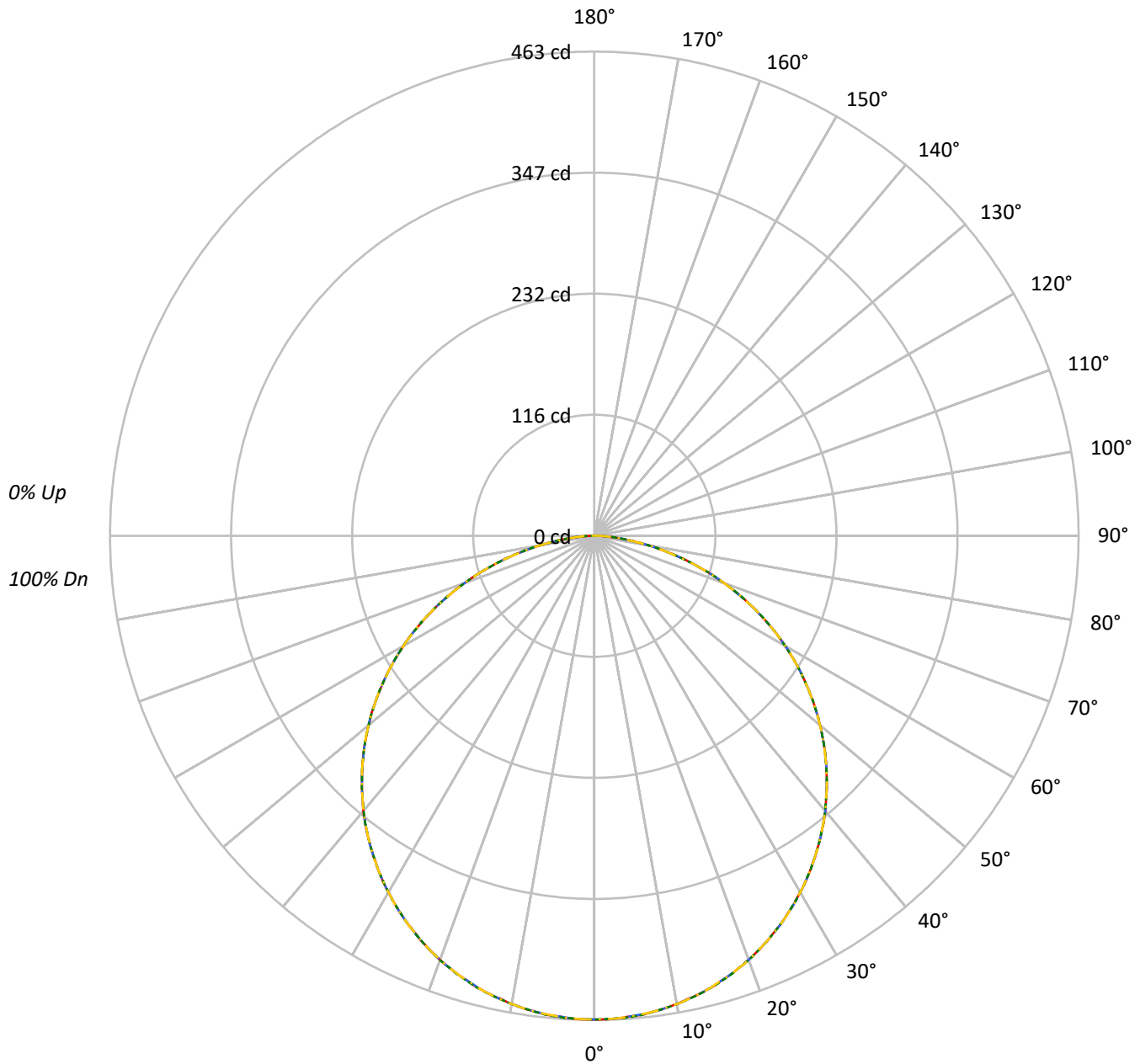
Lumens per Lamp: N/A
Luminaire Lumens: 1346.0 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.26 / 1.39
Luminous Opening: Circular (Dia: 0.67' x H: 0')
CIE Type: Direct

Input Watts (W): 13.4
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

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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		
1	109	104	99	96	106	102	98	94	97	94	91	93	91	88	90	88	86	83		
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	78	75	71	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	57	52	62	56	52	49		
5	75	62	53	47	73	61	53	46	59	52	46	57	51	45	55	49	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	34	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°	14123	14123	14123	14123
5°	14116	14122	14116	14122
10°	14099	14096	14099	14096
15°	14068	14068	14068	14068
20°	14023	14026	14023	14026
25°	13946	13956	13946	13956
30°	13879	13879	13879	13879
35°	13790	13783	13790	13783
40°	13694	13678	13694	13678
45°	13536	13549	13536	13549
50°	13375	13380	13375	13380
55°	13158	13169	13158	13169
60°	12865	12878	12865	12878
65°	12418	12462	12418	12462
70°	11774	11783	11774	11783
75°	10746	10782	10746	10782
80°	9178	9248	9178	9248
85°	6901	7286	6901	7286



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.8	3.3
10°-20°	125.6	9.3
20°-30°	190.9	14.2
30°-40°	231.4	17.2
40°-50°	241.9	18.0
50°-60°	220.9	16.4
60°-70°	170.1	12.6
70°-80°	96.5	7.2
80°-90°	24.8	1.8
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°	360.3	26.8
0°-40°	591.7	44.0
0°-60°	1054.6	78.4
0°-90°	1346.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1346.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	463	463	463	463	463	
5°	461	461	461	461	461	44
15°	445	445	445	445	445	126
25°	414	414	414	414	414	191
35°	370	370	370	370	370	232
45°	314	314	314	314	314	242
55°	247	247	247	247	247	221
65°	172	172	172	172	172	170
75°	91	91	91	91	91	96
85°	20	21	20	21	20	24
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°	462.6	462.6	462.6	462.6	462.6	462.6	462.6	462.6	462.6	462.6	462.6
0.5°	462.6	462.9	462.5	462.6	462.5	462.6	462.5	462.9	462.6	462.9	462.5
1°	462.6	462.7	462.4	462.5	462.6	462.5	462.4	462.7	462.6	462.7	462.4
1.5°	462.7	462.5	462.4	462.2	462.4	462.2	462.4	462.5	462.7	462.5	462.4
2°	462.4	462.6	462.3	462.0	462.3	462.0	462.3	462.6	462.4	462.6	462.3
2.5°	462.2	462.3	462.2	461.9	462.2	461.9	462.2	462.3	462.2	462.3	462.2
3°	462.0	461.8	461.7	462.0	461.9	462.0	461.7	461.8	462.0	461.8	461.7
3.5°	461.6	461.7	461.6	461.6	462.0	461.6	461.6	461.7	461.6	461.7	461.6
4°	461.1	461.4	461.1	461.5	461.6	461.5	461.1	461.4	461.1	461.4	461.1
4.5°	460.9	461.0	460.8	460.9	461.3	460.9	460.8	461.0	460.9	461.0	460.8
5°	460.6	460.6	460.4	460.7	460.8	460.7	460.4	460.6	460.6	460.6	460.4
5.5°	460.4	460.2	460.0	460.2	460.6	460.2	460.0	460.2	460.4	460.2	460.0
6°	460.1	459.8	459.6	459.8	460.0	459.8	459.6	459.8	460.1	459.8	459.6
6.5°	459.3	459.1	459.2	459.2	459.5	459.2	459.2	459.1	459.3	459.1	459.2
7°	458.6	458.6	458.6	458.9	458.9	458.9	458.6	458.6	458.6	458.6	458.6
7.5°	458.1	458.3	458.2	458.3	458.2	458.3	458.2	458.3	458.1	458.3	458.2
8°	457.7	457.5	457.7	457.6	457.5	457.6	457.7	457.5	457.7	457.5	457.7
8.5°	456.8	457.0	456.8	456.8	457.0	456.8	456.8	457.0	456.8	457.0	456.8
9°	456.1	456.3	456.2	456.1	456.3	456.1	456.2	456.3	456.1	456.3	456.2
9.5°	455.3	455.6	455.3	455.4	455.5	455.4	455.3	455.6	455.3	455.6	455.3
10°	454.8	454.7	454.7	454.7	454.7	454.7	454.7	454.7	454.8	454.7	454.7
10.5°	453.7	454.0	454.0	453.7	454.0	453.7	454.0	454.0	453.7	454.0	454.0
11°	452.8	453.1	453.1	453.0	453.1	453.0	453.1	453.1	452.8	453.1	453.1
11.5°	451.8	452.3	452.1	452.0	452.3	452.0	452.1	452.3	451.8	452.3	452.1
12°	451.2	451.2	451.1	451.3	451.3	451.3	451.1	451.2	451.2	451.2	451.1
12.5°	450.2	450.4	450.2	450.4	450.4	450.4	450.2	450.4	450.2	450.4	450.2
13°	449.2	449.4	449.2	449.4	449.4	449.4	449.2	449.4	449.2	449.4	449.2
13.5°	448.3	448.3	448.4	448.4	448.5	448.4	448.4	448.3	448.3	448.3	448.4
14°	447.2	447.4	447.1	447.4	447.2	447.4	447.1	447.4	447.2	447.4	447.1
14.5°	446.2	446.2	446.2	446.2	446.5	446.2	446.2	446.2	446.2	446.2	446.2
15°	445.1	444.9	444.7	445.1	445.1	445.1	444.7	444.9	445.1	444.9	444.7
15.5°	443.6	443.8	443.4	443.9	444.0	443.9	443.4	443.8	443.6	443.8	443.4
16°	442.2	442.4	442.3	442.7	442.8	442.7	442.3	442.4	442.2	442.4	442.3
16.5°	441.2	441.3	441.2	441.3	441.5	441.3	441.2	441.3	441.2	441.3	441.2
17°	439.9	439.8	439.9	440.0	440.2	440.0	439.9	439.8	439.9	439.8	439.9
17.5°	438.7	438.5	438.5	438.5	438.9	438.5	438.5	438.5	438.7	438.5	438.5
18°	437.2	437.0	437.1	437.3	437.5	437.3	437.1	437.0	437.2	437.0	437.1
18.5°	435.8	435.7	435.9	435.8	435.9	435.8	435.9	435.7	435.8	435.7	435.9
19°	434.5	434.3	434.5	434.4	434.3	434.4	434.5	434.3	434.5	434.3	434.5
19.5°	433.0	432.9	433.1	432.8	432.9	432.8	433.1	432.9	433.0	432.9	433.1
20°	431.6	431.3	431.5	431.5	431.7	431.5	431.5	431.3	431.6	431.3	431.5
20.5°	430.0	429.7	429.9	429.9	430.1	429.9	429.9	429.7	430.0	429.7	429.9
21°	428.3	428.0	428.2	428.6	428.4	428.6	428.2	428.0	428.3	428.0	428.2

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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°	423.2	423.2	423.2	423.2	423.4	423.2	423.2	423.2	423.2	423.2	423.2
23°	421.7	421.2	421.6	421.5	421.5	421.5	421.6	421.2	421.7	421.2	421.6
23.5°	419.9	419.6	419.8	419.8	419.8	419.8	419.8	419.6	419.9	419.6	419.8
24°	417.8	417.7	418.0	418.1	418.0	418.1	418.0	417.7	417.8	417.7	418.0
24.5°	415.9	416.0	416.1	416.2	416.1	416.2	416.1	416.0	415.9	416.0	416.1
25°	414.0	413.9	414.2	414.3	414.3	414.3	414.2	413.9	414.0	413.9	414.2
25.5°	412.4	412.2	412.4	412.4	412.3	412.4	412.4	412.2	412.4	412.2	412.4
26°	410.4	410.2	410.5	410.4	410.4	410.4	410.5	410.2	410.4	410.2	410.5
26.5°	408.4	408.3	408.6	408.4	408.5	408.4	408.6	408.3	408.4	408.3	408.6
27°	406.3	406.2	406.5	406.4	406.4	406.4	406.5	406.2	406.3	406.2	406.5
27.5°	404.4	404.2	404.4	404.4	404.2	404.4	404.4	404.2	404.4	404.2	404.4
28°	402.4	401.9	402.4	402.2	402.2	402.2	402.4	401.9	402.4	401.9	402.4
28.5°	400.2	399.9	400.4	400.0	400.0	400.0	400.4	399.9	400.2	399.9	400.4
29°	398.0	397.9	398.1	398.0	398.2	398.0	398.1	397.9	398.0	397.9	398.1
29.5°	395.9	395.7	395.9	395.8	395.8	395.8	395.9	395.7	395.9	395.7	395.9
30°	393.7	393.5	393.7	393.6	393.7	393.6	393.7	393.5	393.7	393.5	393.7
30.5°	391.6	391.2	391.4	391.4	391.5	391.4	391.4	391.2	391.6	391.2	391.4
31°	389.3	388.9	389.2	389.2	389.2	389.2	389.2	388.9	389.3	388.9	389.2
31.5°	387.1	386.5	386.8	387.0	386.9	387.0	386.8	386.5	387.1	386.5	386.8
32°	384.7	384.3	384.6	384.7	384.5	384.7	384.6	384.3	384.7	384.3	384.6
32.5°	382.2	382.1	382.2	382.3	382.2	382.3	382.2	382.1	382.2	382.1	382.2
33°	380.0	379.7	379.9	380.0	379.9	380.0	379.9	379.7	380.0	379.7	379.9
33.5°	377.4	377.3	377.4	377.4	377.4	377.4	377.4	377.3	377.4	377.3	377.4
34°	374.9	375.0	375.1	375.1	374.7	375.1	375.1	375.0	374.9	375.0	375.1
34.5°	372.6	372.4	372.5	372.5	372.3	372.5	372.5	372.4	372.6	372.4	372.5
35°	370.0	369.9	370.0	370.0	369.8	370.0	370.0	369.9	370.0	369.9	370.0
35.5°	367.3	367.4	367.5	367.5	367.4	367.5	367.5	367.4	367.3	367.4	367.5
36°	364.9	364.9	365.1	364.9	364.8	364.9	365.1	364.9	364.9	364.9	365.1
36.5°	362.4	362.3	362.4	362.1	362.2	362.1	362.4	362.3	362.4	362.3	362.4
37°	359.7	359.6	359.7	359.5	359.5	359.5	359.7	359.6	359.7	359.6	359.7
37.5°	357.1	357.0	357.0	356.8	357.0	356.8	357.0	357.0	357.1	357.0	357.0
38°	354.4	354.1	354.3	354.3	354.3	354.3	354.3	354.1	354.4	354.1	354.3
38.5°	351.9	351.4	351.7	351.6	351.7	351.6	351.7	351.4	351.9	351.4	351.7
39°	349.0	348.7	349.0	348.9	349.0	348.9	349.0	348.7	349.0	348.7	349.0
39.5°	346.6	346.0	346.2	346.0	346.1	346.0	346.2	346.0	346.6	346.0	346.2
40°	343.6	343.2	343.5	343.2	343.2	343.2	343.5	343.2	343.6	343.2	343.5
40.5°	340.6	340.3	340.4	340.4	340.2	340.4	340.4	340.3	340.6	340.3	340.4
41°	337.6	337.5	337.6	337.6	337.3	337.6	337.6	337.5	337.6	337.5	337.6
41.5°	334.6	334.6	334.6	334.6	334.5	334.6	334.6	334.6	334.6	334.6	334.6
42°	331.7	331.8	331.8	331.8	331.8	331.8	331.8	331.8	331.7	331.8	331.8
42.5°	328.9	328.7	328.9	328.9	329.0	328.9	328.9	328.7	328.9	328.7	328.9
43°	325.8	325.7	325.7	326.0	326.0	326.0	325.7	325.7	325.8	325.7	325.7
43.5°	322.7	322.7	322.8	323.0	322.9	323.0	322.8	322.7	322.7	322.7	322.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	313.5	313.6	313.8	313.8	313.8	313.8	313.8	313.6	313.5	313.6	313.8
45.5°	310.8	310.4	310.7	310.6	310.6	310.6	310.7	310.4	310.8	310.4	310.7
46°	307.5	307.3	307.4	307.5	307.5	307.5	307.4	307.3	307.5	307.3	307.4
46.5°	304.4	304.2	304.3	304.3	304.4	304.3	304.3	304.2	304.4	304.2	304.3
47°	301.2	301.2	301.0	301.1	301.3	301.1	301.0	301.2	301.2	301.2	301.0
47.5°	298.0	298.0	298.1	298.1	298.1	298.1	298.1	298.0	298.0	298.0	298.1
48°	294.7	294.8	294.9	294.9	294.7	294.9	294.9	294.8	294.7	294.8	294.9
48.5°	291.4	291.5	291.7	291.7	291.7	291.7	291.7	291.5	291.4	291.5	291.7
49°	288.3	288.2	288.4	288.5	288.3	288.5	288.4	288.2	288.3	288.2	288.4
49.5°	285.0	284.9	285.2	285.1	285.1	285.1	285.2	284.9	285.0	284.9	285.2
50°	281.6	281.6	281.8	281.9	281.7	281.9	281.8	281.6	281.6	281.6	281.8
50.5°	278.3	278.3	278.4	278.6	278.5	278.6	278.4	278.3	278.3	278.3	278.4
51°	275.2	275.0	274.9	275.3	275.1	275.3	274.9	275.0	275.2	275.0	274.9
51.5°	271.9	271.6	271.5	271.8	271.7	271.8	271.5	271.6	271.9	271.6	271.5
52°	268.4	268.2	268.3	268.3	268.3	268.3	268.3	268.2	268.4	268.2	268.3
52.5°	264.9	264.8	264.9	264.8	264.9	264.8	264.9	264.8	264.9	264.8	264.9
53°	261.4	261.3	261.4	261.4	261.4	261.4	261.4	261.3	261.4	261.3	261.4
53.5°	257.8	257.9	258.0	257.9	258.0	257.9	258.0	257.9	257.8	257.9	258.0
54°	254.3	254.2	254.4	254.4	254.4	254.4	254.4	254.2	254.3	254.2	254.4
54.5°	250.8	250.8	250.9	250.8	251.0	250.8	250.9	250.8	250.8	250.8	250.9
55°	247.2	247.2	247.4	247.4	247.4	247.4	247.4	247.2	247.2	247.2	247.4
55.5°	243.6	243.7	243.8	243.8	243.8	243.8	243.8	243.7	243.6	243.7	243.8
56°	240.2	240.2	240.0	240.2	240.1	240.2	240.0	240.2	240.2	240.2	240.0
56.5°	236.8	236.7	236.5	236.7	236.7	236.7	236.5	236.7	236.8	236.7	236.5
57°	233.0	233.1	233.0	233.0	233.0	233.0	233.0	233.1	233.0	233.1	233.0
57.5°	229.2	229.4	229.3	229.4	229.2	229.4	229.3	229.4	229.2	229.4	229.3
58°	225.8	225.7	225.7	225.6	225.6	225.6	225.7	225.7	225.8	225.7	225.7
58.5°	222.0	222.0	222.0	222.0	222.1	222.0	222.0	222.0	222.0	222.0	222.0
59°	218.2	218.2	218.3	218.3	218.3	218.3	218.3	218.2	218.2	218.2	218.3
59.5°	214.6	214.5	214.7	214.7	214.6	214.7	214.7	214.5	214.6	214.5	214.7
60°	210.7	210.7	210.8	211.0	210.9	211.0	210.8	210.7	210.7	210.7	210.8
60.5°	207.0	207.0	206.9	207.2	207.2	207.2	206.9	207.0	207.0	207.0	206.9
61°	203.2	203.2	203.1	203.4	203.3	203.4	203.1	203.2	203.2	203.2	203.1
61.5°	199.5	199.3	199.4	199.5	199.6	199.5	199.4	199.3	199.5	199.3	199.4
62°	195.6	195.5	195.5	195.6	195.7	195.6	195.5	195.5	195.6	195.5	195.5
62.5°	191.6	191.6	191.7	191.7	191.9	191.7	191.7	191.6	191.6	191.6	191.7
63°	187.8	187.8	187.9	187.7	187.9	187.7	187.9	187.8	187.8	187.8	187.9
63.5°	183.7	184.0	183.9	183.8	183.9	183.8	183.9	184.0	183.7	184.0	183.9
64°	179.9	179.9	180.0	179.9	180.2	179.9	180.0	179.9	179.9	179.9	180.0
64.5°	175.9	176.0	176.1	176.0	176.3	176.0	176.1	176.0	175.9	176.0	176.1
65°	171.9	172.0	172.2	172.2	172.5	172.2	172.2	172.0	171.9	172.0	172.2
65.5°	168.1	168.1	168.1	168.2	168.4	168.2	168.1	168.1	168.1	168.1	168.1
66°	164.1	164.1	164.2	164.2	164.3	164.2	164.2	164.1	164.1	164.1	164.2

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997230

CATALOG NUMBER: SMX8RLSFS010-1200LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	152.1	152.1	152.1	152.2	152.4	152.2	152.1	152.1	152.1	152.1	152.1
68°	148.0	148.2	148.0	148.2	148.3	148.2	148.0	148.2	148.0	148.2	148.0
68.5°	144.1	144.1	144.0	144.2	144.3	144.2	144.0	144.1	144.1	144.1	144.0
69°	139.9	140.0	140.1	140.2	140.2	140.2	140.1	140.0	139.9	140.0	140.1
69.5°	135.8	136.0	136.0	135.9	136.0	135.9	136.0	136.0	135.8	136.0	136.0
70°	131.9	131.9	132.0	131.9	132.0	131.9	132.0	131.9	131.9	131.9	132.0
70.5°	127.9	127.9	127.8	127.9	127.9	127.9	127.8	127.9	127.9	127.9	127.8
71°	123.7	124.0	123.9	123.8	123.8	123.8	123.9	124.0	123.7	124.0	123.9
71.5°	119.6	119.8	119.7	119.8	119.7	119.8	119.7	119.8	119.6	119.8	119.7
72°	115.5	115.6	115.6	115.8	115.6	115.8	115.6	115.6	115.5	115.6	115.6
72.5°	111.4	111.4	111.5	111.6	111.6	111.6	111.5	111.4	111.4	111.4	111.5
73°	107.3	107.4	107.5	107.6	107.5	107.6	107.5	107.4	107.3	107.4	107.5
73.5°	103.2	103.3	103.4	103.6	103.4	103.6	103.4	103.3	103.2	103.3	103.4
74°	99.2	99.4	99.3	99.5	99.5	99.5	99.3	99.4	99.2	99.4	99.3
74.5°	95.1	95.2	95.2	95.4	95.5	95.4	95.2	95.2	95.1	95.2	95.2
75°	91.1	91.2	91.2	91.4	91.4	91.4	91.2	91.2	91.1	91.2	91.2
75.5°	87.1	87.1	87.2	87.3	87.5	87.3	87.2	87.1	87.1	87.1	87.2
76°	83.1	83.1	83.2	83.3	83.4	83.3	83.2	83.1	83.1	83.1	83.2
76.5°	79.0	79.1	79.2	79.4	79.5	79.4	79.2	79.1	79.0	79.1	79.2
77°	75.1	75.1	75.3	75.5	75.7	75.5	75.3	75.1	75.1	75.1	75.3
77.5°	71.1	71.2	71.3	71.6	71.8	71.6	71.3	71.2	71.1	71.2	71.3
78°	67.2	67.3	67.5	67.6	68.0	67.6	67.5	67.3	67.2	67.3	67.5
78.5°	63.3	63.4	63.6	63.7	64.0	63.7	63.6	63.4	63.3	63.4	63.6
79°	59.7	59.7	59.8	60.0	60.3	60.0	59.8	59.7	59.7	59.7	59.8
79.5°	55.9	55.9	56.1	56.3	56.4	56.3	56.1	55.9	55.9	55.9	56.1
80°	52.2	52.3	52.4	52.6	52.6	52.6	52.4	52.3	52.2	52.3	52.4
80.5°	48.6	48.6	48.9	49.0	49.0	49.0	48.9	48.6	48.6	48.6	48.9
81°	45.2	45.2	45.3	45.5	45.4	45.5	45.3	45.2	45.2	45.2	45.3
81.5°	41.6	41.6	41.8	42.0	41.9	42.0	41.8	41.6	41.6	41.6	41.8
82°	38.2	38.2	38.4	38.6	38.6	38.6	38.4	38.2	38.2	38.2	38.4
82.5°	34.8	34.8	35.0	35.4	35.5	35.4	35.0	34.8	34.8	34.8	35.0
83°	31.5	31.6	32.0	32.3	32.4	32.3	32.0	31.6	31.5	31.6	32.0
83.5°	28.1	28.3	28.7	29.1	29.3	29.1	28.7	28.3	28.1	28.3	28.7
84°	25.1	25.4	25.8	26.2	26.4	26.2	25.8	25.4	25.1	25.4	25.8
84.5°	22.4	22.5	22.9	23.3	23.9	23.3	22.9	22.5	22.4	22.5	22.9
85°	19.7	19.9	20.3	20.6	20.8	20.6	20.3	19.9	19.7	19.9	20.3
85.5°	17.2	17.3	17.7	18.1	18.6	18.1	17.7	17.3	17.2	17.3	17.7
86°	14.8	15.0	15.4	15.8	16.3	15.8	15.4	15.0	14.8	15.0	15.4
86.5°	12.6	12.7	13.2	13.7	14.3	13.7	13.2	12.7	12.6	12.7	13.2
87°	10.5	10.7	11.3	11.8	12.3	11.8	11.3	10.7	10.5	10.7	11.3
87.5°	8.6	9.0	9.5	9.9	10.6	9.9	9.5	9.0	8.6	9.0	9.5
88°	7.1	7.4	7.8	8.4	8.9	8.4	7.8	7.4	7.1	7.4	7.8
88.5°	5.7	5.9	6.3	6.8	7.5	6.8	6.3	5.9	5.7	5.9	6.3

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

Scaled Data Report



TEST NUMBER: P997230
CATALOG NUMBER: SMX8RLSFS010-1200LM-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

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997230

CATALOG NUMBER: SMX8RLSFS010-1200LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	462.6	462.6	462.6	462.6	462.6	462.6
0.5°	462.6	462.5	462.6	462.5	462.9	462.6
1°	462.5	462.6	462.5	462.4	462.7	462.6
1.5°	462.2	462.4	462.2	462.4	462.5	462.7
2°	462.0	462.3	462.0	462.3	462.6	462.4
2.5°	461.9	462.2	461.9	462.2	462.3	462.2
3°	462.0	461.9	462.0	461.7	461.8	462.0
3.5°	461.6	462.0	461.6	461.6	461.7	461.6
4°	461.5	461.6	461.5	461.1	461.4	461.1
4.5°	460.9	461.3	460.9	460.8	461.0	460.9
5°	460.7	460.8	460.7	460.4	460.6	460.6
5.5°	460.2	460.6	460.2	460.0	460.2	460.4
6°	459.8	460.0	459.8	459.6	459.8	460.1
6.5°	459.2	459.5	459.2	459.2	459.1	459.3
7°	458.9	458.9	458.9	458.6	458.6	458.6
7.5°	458.3	458.2	458.3	458.2	458.3	458.1
8°	457.6	457.5	457.6	457.7	457.5	457.7
8.5°	456.8	457.0	456.8	456.8	457.0	456.8
9°	456.1	456.3	456.1	456.2	456.3	456.1
9.5°	455.4	455.5	455.4	455.3	455.6	455.3
10°	454.7	454.7	454.7	454.7	454.7	454.8
10.5°	453.7	454.0	453.7	454.0	454.0	453.7
11°	453.0	453.1	453.0	453.1	453.1	452.8
11.5°	452.0	452.3	452.0	452.1	452.3	451.8
12°	451.3	451.3	451.3	451.1	451.2	451.2
12.5°	450.4	450.4	450.4	450.2	450.4	450.2
13°	449.4	449.4	449.4	449.2	449.4	449.2
13.5°	448.4	448.5	448.4	448.4	448.3	448.3
14°	447.4	447.2	447.4	447.1	447.4	447.2
14.5°	446.2	446.5	446.2	446.2	446.2	446.2
15°	445.1	445.1	445.1	444.7	444.9	445.1
15.5°	443.9	444.0	443.9	443.4	443.8	443.6
16°	442.7	442.8	442.7	442.3	442.4	442.2
16.5°	441.3	441.5	441.3	441.2	441.3	441.2
17°	440.0	440.2	440.0	439.9	439.8	439.9
17.5°	438.5	438.9	438.5	438.5	438.5	438.7
18°	437.3	437.5	437.3	437.1	437.0	437.2
18.5°	435.8	435.9	435.8	435.9	435.7	435.8
19°	434.4	434.3	434.4	434.5	434.3	434.5
19.5°	432.8	432.9	432.8	433.1	432.9	433.0
20°	431.5	431.7	431.5	431.5	431.3	431.6
20.5°	429.9	430.1	429.9	429.9	429.7	430.0
21°	428.6	428.4	428.6	428.2	428.0	428.3

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997230

CATALOG NUMBER: SMX8RLSFS010-1200LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	423.2	423.4	423.2	423.2	423.2	423.2
23°	421.5	421.5	421.5	421.6	421.2	421.7
23.5°	419.8	419.8	419.8	419.8	419.6	419.9
24°	418.1	418.0	418.1	418.0	417.7	417.8
24.5°	416.2	416.1	416.2	416.1	416.0	415.9
25°	414.3	414.3	414.3	414.2	413.9	414.0
25.5°	412.4	412.3	412.4	412.4	412.2	412.4
26°	410.4	410.4	410.4	410.5	410.2	410.4
26.5°	408.4	408.5	408.4	408.6	408.3	408.4
27°	406.4	406.4	406.4	406.5	406.2	406.3
27.5°	404.4	404.2	404.4	404.4	404.2	404.4
28°	402.2	402.2	402.2	402.4	401.9	402.4
28.5°	400.0	400.0	400.0	400.4	399.9	400.2
29°	398.0	398.2	398.0	398.1	397.9	398.0
29.5°	395.8	395.8	395.8	395.9	395.7	395.9
30°	393.6	393.7	393.6	393.7	393.5	393.7
30.5°	391.4	391.5	391.4	391.4	391.2	391.6
31°	389.2	389.2	389.2	389.2	388.9	389.3
31.5°	387.0	386.9	387.0	386.8	386.5	387.1
32°	384.7	384.5	384.7	384.6	384.3	384.7
32.5°	382.3	382.2	382.3	382.2	382.1	382.2
33°	380.0	379.9	380.0	379.9	379.7	380.0
33.5°	377.4	377.4	377.4	377.4	377.3	377.4
34°	375.1	374.7	375.1	375.1	375.0	374.9
34.5°	372.5	372.3	372.5	372.5	372.4	372.6
35°	370.0	369.8	370.0	370.0	369.9	370.0
35.5°	367.5	367.4	367.5	367.5	367.4	367.3
36°	364.9	364.8	364.9	365.1	364.9	364.9
36.5°	362.1	362.2	362.1	362.4	362.3	362.4
37°	359.5	359.5	359.5	359.7	359.6	359.7
37.5°	356.8	357.0	356.8	357.0	357.0	357.1
38°	354.3	354.3	354.3	354.3	354.1	354.4
38.5°	351.6	351.7	351.6	351.7	351.4	351.9
39°	348.9	349.0	348.9	349.0	348.7	349.0
39.5°	346.0	346.1	346.0	346.2	346.0	346.6
40°	343.2	343.2	343.2	343.5	343.2	343.6
40.5°	340.4	340.2	340.4	340.4	340.3	340.6
41°	337.6	337.3	337.6	337.6	337.5	337.6
41.5°	334.6	334.5	334.6	334.6	334.6	334.6
42°	331.8	331.8	331.8	331.8	331.8	331.7
42.5°	328.9	329.0	328.9	328.9	328.7	328.9
43°	326.0	326.0	326.0	325.7	325.7	325.8
43.5°	323.0	322.9	323.0	322.8	322.7	322.7

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997230

CATALOG NUMBER: SMX8RLSFS010-1200LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	313.8	313.8	313.8	313.8	313.6	313.5
45.5°	310.6	310.6	310.6	310.7	310.4	310.8
46°	307.5	307.5	307.5	307.4	307.3	307.5
46.5°	304.3	304.4	304.3	304.3	304.2	304.4
47°	301.1	301.3	301.1	301.0	301.2	301.2
47.5°	298.1	298.1	298.1	298.1	298.0	298.0
48°	294.9	294.7	294.9	294.9	294.8	294.7
48.5°	291.7	291.7	291.7	291.7	291.5	291.4
49°	288.5	288.3	288.5	288.4	288.2	288.3
49.5°	285.1	285.1	285.1	285.2	284.9	285.0
50°	281.9	281.7	281.9	281.8	281.6	281.6
50.5°	278.6	278.5	278.6	278.4	278.3	278.3
51°	275.3	275.1	275.3	274.9	275.0	275.2
51.5°	271.8	271.7	271.8	271.5	271.6	271.9
52°	268.3	268.3	268.3	268.3	268.2	268.4
52.5°	264.8	264.9	264.8	264.9	264.8	264.9
53°	261.4	261.4	261.4	261.4	261.3	261.4
53.5°	257.9	258.0	257.9	258.0	257.9	257.8
54°	254.4	254.4	254.4	254.4	254.2	254.3
54.5°	250.8	251.0	250.8	250.9	250.8	250.8
55°	247.4	247.4	247.4	247.4	247.2	247.2
55.5°	243.8	243.8	243.8	243.8	243.7	243.6
56°	240.2	240.1	240.2	240.0	240.2	240.2
56.5°	236.7	236.7	236.7	236.5	236.7	236.8
57°	233.0	233.0	233.0	233.0	233.1	233.0
57.5°	229.4	229.2	229.4	229.3	229.4	229.2
58°	225.6	225.6	225.6	225.7	225.7	225.8
58.5°	222.0	222.1	222.0	222.0	222.0	222.0
59°	218.3	218.3	218.3	218.3	218.2	218.2
59.5°	214.7	214.6	214.7	214.7	214.5	214.6
60°	211.0	210.9	211.0	210.8	210.7	210.7
60.5°	207.2	207.2	207.2	206.9	207.0	207.0
61°	203.4	203.3	203.4	203.1	203.2	203.2
61.5°	199.5	199.6	199.5	199.4	199.3	199.5
62°	195.6	195.7	195.6	195.5	195.5	195.6
62.5°	191.7	191.9	191.7	191.7	191.6	191.6
63°	187.7	187.9	187.7	187.9	187.8	187.8
63.5°	183.8	183.9	183.8	183.9	184.0	183.7
64°	179.9	180.2	179.9	180.0	179.9	179.9
64.5°	176.0	176.3	176.0	176.1	176.0	175.9
65°	172.2	172.5	172.2	172.2	172.0	171.9
65.5°	168.2	168.4	168.2	168.1	168.1	168.1
66°	164.2	164.3	164.2	164.2	164.1	164.1

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997230

CATALOG NUMBER: SMX8RLSFS010-1200LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	152.2	152.4	152.2	152.1	152.1	152.1
68°	148.2	148.3	148.2	148.0	148.2	148.0
68.5°	144.2	144.3	144.2	144.0	144.1	144.1
69°	140.2	140.2	140.2	140.1	140.0	139.9
69.5°	135.9	136.0	135.9	136.0	136.0	135.8
70°	131.9	132.0	131.9	132.0	131.9	131.9
70.5°	127.9	127.9	127.9	127.8	127.9	127.9
71°	123.8	123.8	123.8	123.9	124.0	123.7
71.5°	119.8	119.7	119.8	119.7	119.8	119.6
72°	115.8	115.6	115.8	115.6	115.6	115.5
72.5°	111.6	111.6	111.6	111.5	111.4	111.4
73°	107.6	107.5	107.6	107.5	107.4	107.3
73.5°	103.6	103.4	103.6	103.4	103.3	103.2
74°	99.5	99.5	99.5	99.3	99.4	99.2
74.5°	95.4	95.5	95.4	95.2	95.2	95.1
75°	91.4	91.4	91.4	91.2	91.2	91.1
75.5°	87.3	87.5	87.3	87.2	87.1	87.1
76°	83.3	83.4	83.3	83.2	83.1	83.1
76.5°	79.4	79.5	79.4	79.2	79.1	79.0
77°	75.5	75.7	75.5	75.3	75.1	75.1
77.5°	71.6	71.8	71.6	71.3	71.2	71.1
78°	67.6	68.0	67.6	67.5	67.3	67.2
78.5°	63.7	64.0	63.7	63.6	63.4	63.3
79°	60.0	60.3	60.0	59.8	59.7	59.7
79.5°	56.3	56.4	56.3	56.1	55.9	55.9
80°	52.6	52.6	52.6	52.4	52.3	52.2
80.5°	49.0	49.0	49.0	48.9	48.6	48.6
81°	45.5	45.4	45.5	45.3	45.2	45.2
81.5°	42.0	41.9	42.0	41.8	41.6	41.6
82°	38.6	38.6	38.6	38.4	38.2	38.2
82.5°	35.4	35.5	35.4	35.0	34.8	34.8
83°	32.3	32.4	32.3	32.0	31.6	31.5
83.5°	29.1	29.3	29.1	28.7	28.3	28.1
84°	26.2	26.4	26.2	25.8	25.4	25.1
84.5°	23.3	23.9	23.3	22.9	22.5	22.4
85°	20.6	20.8	20.6	20.3	19.9	19.7
85.5°	18.1	18.6	18.1	17.7	17.3	17.2
86°	15.8	16.3	15.8	15.4	15.0	14.8
86.5°	13.7	14.3	13.7	13.2	12.7	12.6
87°	11.8	12.3	11.8	11.3	10.7	10.5
87.5°	9.9	10.6	9.9	9.5	9.0	8.6
88°	8.4	8.9	8.4	7.8	7.4	7.1
88.5°	6.8	7.5	6.8	6.3	5.9	5.7

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Scaled Data Report



TEST NUMBER: P997230
CATALOG NUMBER: SMX8RLSFS010-1200LM-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

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Scaled Data Report

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Report Generated By 670245859 / DESKTOP-T8S5UU9

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

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21.5°	426.6	426.5	426.6	426.6	426.8	426.6	426.6	426.5	426.6	426.5	426.6
22°	425.1	424.9	424.9	424.9	425.0	424.9	424.9	424.9	425.1	424.9	424.9



44°	319.7	319.7	319.8	320.0	319.9	320.0	319.8	319.7	319.7	319.7	319.8
44.5°	316.6	316.7	316.8	316.9	316.9	316.9	316.8	316.7	316.6	316.7	316.8



66.5°	160.1	160.0	160.1	160.1	160.3	160.1	160.1	160.0	160.1	160.0	160.1
67°	156.2	156.0	156.1	156.1	156.3	156.1	156.1	156.0	156.2	156.0	156.1



89°	4.5	4.7	5.1	5.6	6.1	5.6	5.1	4.7	4.5	4.7	5.1
89.5°	3.4	3.7	4.0	4.5	5.0	4.5	4.0	3.7	3.4	3.7	4.0

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21.5°	426.6	426.8	426.6	426.6	426.5	426.6
22°	424.9	425.0	424.9	424.9	424.9	425.1

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44°	320.0	319.9	320.0	319.8	319.7	319.7
44.5°	316.9	316.9	316.9	316.8	316.7	316.6

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66.5°	160.1	160.3	160.1	160.1	160.0	160.1
67°	156.1	156.3	156.1	156.1	156.0	156.2

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89°	5.6	6.1	5.6	5.1	4.7	4.5
89.5°	4.5	5.0	4.5	4.0	3.7	3.4

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(END OF REPORT)