

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: P997140

Luminaire Tested: **SMX4RLSFS010-1000LM-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: P997140
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (A2410580A001)
Test Lab:
Issue Date: 3/11/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: HALO
Catalog Number: SMX4RLSFS010-1000LM-5000K
Description: 4IN ROUND, 90CRI, 0-10V DIMMING, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 5000K CCT
Ballast/Driver: -

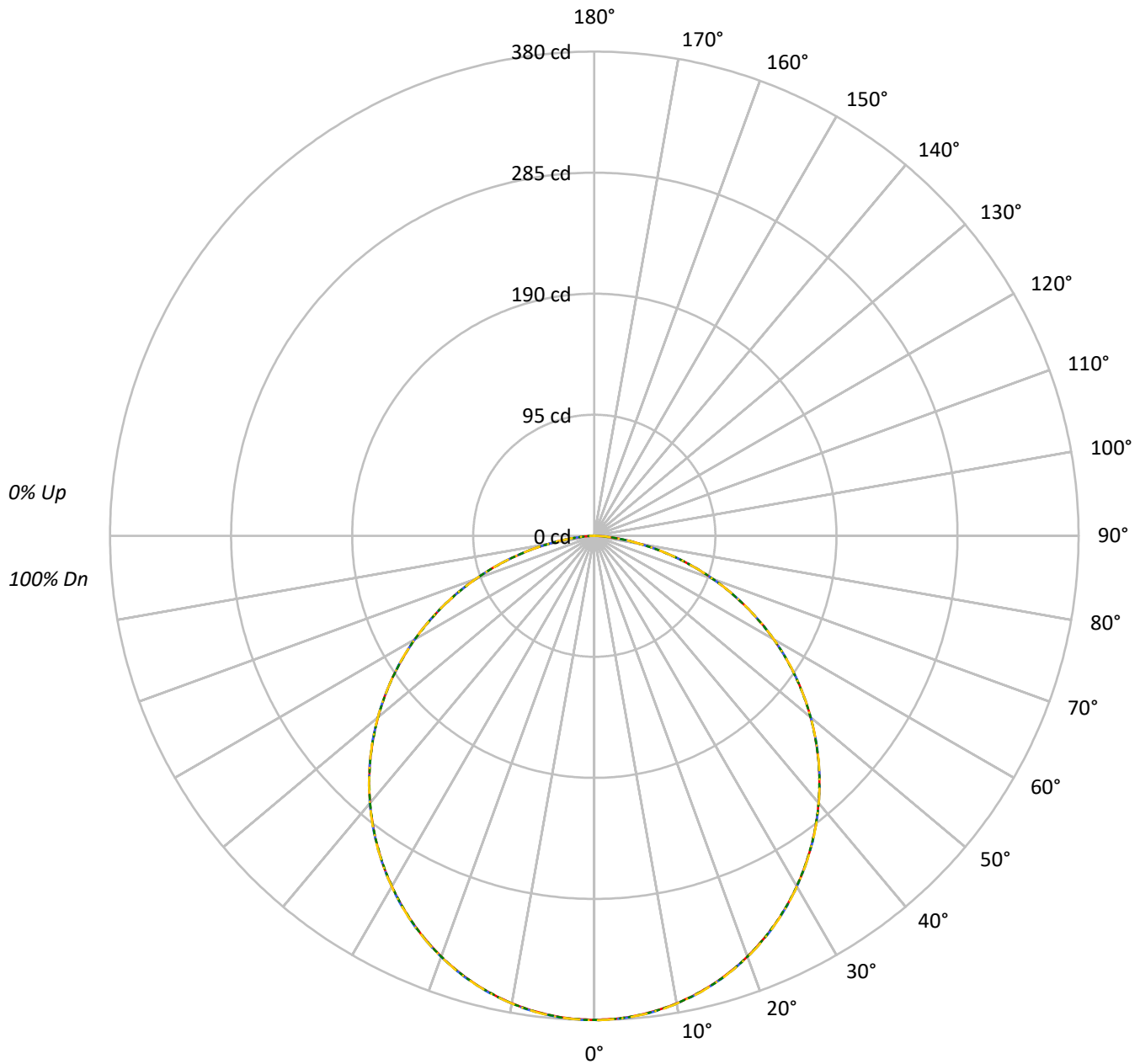
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1058.8 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 10.8
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	100	96	106	102	98	95	98	95	92	94	91	89	90	88	86	84		
2	99	91	84	78	96	89	83	77	85	80	76	82	78	74	79	75	72	70		
3	90	80	72	65	88	78	71	65	75	69	63	72	67	62	70	65	61	59		
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	53	50		
5	76	63	54	48	74	62	54	47	60	52	47	58	51	46	56	50	46	44		
6	70	57	48	41	68	56	47	41	54	47	41	52	46	41	51	45	40	38		
7	65	52	43	37	63	51	42	36	49	42	36	48	41	36	46	40	36	34		
8	61	47	39	33	59	46	38	33	45	38	32	44	37	32	43	36	32	30		
9	57	43	35	29	55	43	35	29	41	34	29	40	34	29	39	33	29	27		
10	53	40	32	27	52	39	32	27	38	31	26	37	31	26	36	31	26	24		

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	47823	47823	47823	47823
5°	47753	47766	47753	47766
10°	47615	47628	47615	47628
15°	47373	47399	47373	47399
20°	47048	47062	47048	47062
25°	46643	46657	46643	46657
30°	46168	46168	46168	46168
35°	45599	45614	45599	45614
40°	44981	44981	44981	44981
45°	44245	44228	44245	44228
50°	43387	43367	43387	43367
55°	42325	42303	42325	42303
60°	40926	40926	40926	40926
65°	39070	39040	39070	39040
70°	36391	36391	36391	36391
75°	32433	32433	32433	32433
80°	26308	26308	26308	26308
85°	16606	17472	16606	17472



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.9	3.4
10°-20°	102.6	9.7
20°-30°	154.8	14.6
30°-40°	185.7	17.5
40°-50°	191.7	18.1
50°-60°	172.3	16.3
60°-70°	129.7	12.2
70°-80°	70.7	6.7
80°-90°	15.4	1.5
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°	293.4	27.7
0°-40°	479.1	45.3
0°-60°	843.1	79.6
0°-90°	1058.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1058.8	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	380	380	380	380	380	
5°	378	378	378	378	378	36
15°	364	364	364	364	364	103
25°	336	336	336	336	336	155
35°	297	297	297	297	297	186
45°	249	248	249	248	249	192
55°	193	193	193	193	193	172
65°	131	131	131	131	131	130
75°	67	67	67	67	67	71
85°	12	12	12	12	12	15
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°	380.0	380.0	380.0	380.0	380.0	380.0	380.0	380.0	380.0	380.0	380.0
0.5°	379.9	379.8	380.3	380.1	379.9	380.1	380.3	379.8	379.9	379.8	380.3
1°	379.6	379.7	380.1	380.1	380.0	380.1	380.1	379.7	379.6	379.7	380.1
1.5°	379.7	379.6	380.1	380.0	379.8	380.0	380.1	379.6	379.7	379.6	380.1
2°	379.4	379.4	379.8	379.9	379.6	379.9	379.8	379.4	379.4	379.4	379.8
2.5°	379.4	379.3	379.8	379.7	379.5	379.7	379.8	379.3	379.4	379.3	379.8
3°	379.2	379.1	379.5	379.5	379.4	379.5	379.5	379.1	379.2	379.1	379.5
3.5°	378.9	378.9	379.3	379.2	379.0	379.2	379.3	378.9	378.9	378.9	379.3
4°	378.7	378.6	379.0	379.1	378.9	379.1	379.0	378.6	378.7	378.6	379.0
4.5°	378.3	378.3	378.8	378.6	378.4	378.6	378.8	378.3	378.3	378.3	378.8
5°	378.0	378.0	378.3	378.3	378.1	378.3	378.3	378.0	378.0	378.0	378.3
5.5°	377.7	377.5	378.0	377.9	377.7	377.9	378.0	377.5	377.7	377.5	378.0
6°	377.2	377.1	377.5	377.5	377.3	377.5	377.5	377.1	377.2	377.1	377.5
6.5°	376.7	376.7	377.2	377.1	376.8	377.1	377.2	376.7	376.7	376.7	377.2
7°	376.2	376.1	376.6	376.7	376.5	376.7	376.6	376.1	376.2	376.1	376.6
7.5°	375.8	375.6	376.1	376.0	375.7	376.0	376.1	375.6	375.8	375.6	376.1
8°	375.1	375.1	375.5	375.5	375.3	375.5	375.5	375.1	375.1	375.1	375.5
8.5°	374.5	374.5	375.0	374.9	374.6	374.9	375.0	374.5	374.5	374.5	375.0
9°	374.0	373.8	374.3	374.2	374.0	374.2	374.3	373.8	374.0	373.8	374.3
9.5°	373.2	373.2	373.6	373.6	373.4	373.6	373.6	373.2	373.2	373.2	373.6
10°	372.6	372.5	372.8	372.9	372.7	372.9	372.8	372.5	372.6	372.5	372.8
10.5°	372.0	371.7	372.1	372.2	371.8	372.2	372.1	371.7	372.0	371.7	372.1
11°	370.9	371.0	371.4	371.4	371.2	371.4	371.4	371.0	370.9	371.0	371.4
11.5°	370.2	370.2	370.6	370.5	370.3	370.5	370.6	370.2	370.2	370.2	370.6
12°	369.4	369.3	369.7	369.7	369.6	369.7	369.7	369.3	369.4	369.3	369.7
12.5°	368.5	368.4	368.8	368.8	368.5	368.8	368.8	368.4	368.5	368.4	368.8
13°	367.6	367.5	368.0	367.9	367.7	367.9	368.0	367.5	367.6	367.5	368.0
13.5°	366.7	366.6	367.0	366.9	366.7	366.9	367.0	366.6	366.7	366.6	367.0
14°	365.6	365.6	366.0	366.0	365.9	366.0	366.0	365.6	365.6	365.6	366.0
14.5°	364.7	364.6	365.0	365.0	364.8	365.0	365.0	364.6	364.7	364.6	365.0
15°	363.6	363.5	363.9	363.9	363.8	363.9	363.9	363.5	363.6	363.5	363.9
15.5°	362.5	362.4	362.8	362.9	362.5	362.9	362.8	362.4	362.5	362.4	362.8
16°	361.4	361.4	361.8	361.7	361.6	361.7	361.8	361.4	361.4	361.4	361.8
16.5°	360.3	360.2	360.7	360.5	360.3	360.5	360.7	360.2	360.3	360.2	360.7
17°	359.1	359.0	359.3	359.4	359.3	359.4	359.3	359.0	359.1	359.0	359.3
17.5°	357.9	357.8	358.3	358.1	357.9	358.1	358.3	357.8	357.9	357.8	358.3
18°	356.6	356.5	357.0	356.9	356.8	356.9	357.0	356.5	356.6	356.5	357.0
18.5°	355.5	355.3	355.7	355.6	355.3	355.6	355.7	355.3	355.5	355.3	355.7
19°	354.0	354.0	354.3	354.3	354.2	354.3	354.3	354.0	354.0	354.0	354.3
19.5°	352.8	352.6	353.1	353.0	352.7	353.0	353.1	352.6	352.8	352.6	353.1
20°	351.3	351.2	351.6	351.5	351.4	351.5	351.6	351.2	351.3	351.2	351.6
20.5°	350.0	349.9	350.4	350.2	349.9	350.2	350.4	349.9	350.0	349.9	350.4
21°	348.5	348.4	348.8	348.7	348.6	348.7	348.8	348.4	348.5	348.4	348.8

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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°	344.1	343.9	344.4	344.3	343.9	344.3	344.4	343.9	344.1	343.9	344.4
23°	342.4	342.4	342.8	342.7	342.6	342.7	342.8	342.4	342.4	342.4	342.8
23.5°	341.0	340.8	341.3	341.1	340.8	341.1	341.3	340.8	341.0	340.8	341.3
24°	339.2	339.2	339.5	339.5	339.4	339.5	339.5	339.2	339.2	339.2	339.5
24.5°	337.6	337.5	338.0	337.9	337.5	337.9	338.0	337.5	337.6	337.5	338.0
25°	335.9	335.8	336.2	336.1	336.0	336.1	336.2	335.8	335.9	335.8	336.2
25.5°	334.3	334.1	334.5	334.5	334.2	334.5	334.5	334.1	334.3	334.1	334.5
26°	332.6	332.4	332.8	332.7	332.5	332.7	332.8	332.4	332.6	332.4	332.8
26.5°	330.8	330.6	331.1	331.0	330.6	331.0	331.1	330.6	330.8	330.6	331.1
27°	328.9	328.9	329.2	329.2	329.0	329.2	329.2	328.9	328.9	328.9	329.2
27.5°	327.2	327.0	327.5	327.4	327.1	327.4	327.5	327.0	327.2	327.0	327.5
28°	325.3	325.2	325.6	325.5	325.4	325.5	325.6	325.2	325.3	325.2	325.6
28.5°	323.5	323.3	323.8	323.7	323.4	323.7	323.8	323.3	323.5	323.3	323.8
29°	321.5	321.5	321.8	321.7	321.6	321.7	321.8	321.5	321.5	321.5	321.8
29.5°	319.7	319.5	320.0	319.9	319.6	319.9	320.0	319.5	319.7	319.5	320.0
30°	317.7	317.6	317.9	317.9	317.7	317.9	317.9	317.6	317.7	317.6	317.9
30.5°	315.7	315.6	316.0	315.9	315.7	315.9	316.0	315.6	315.7	315.6	316.0
31°	313.7	313.7	314.0	314.0	313.7	314.0	314.0	313.7	313.7	313.7	314.0
31.5°	311.8	311.6	312.0	311.9	311.6	311.9	312.0	311.6	311.8	311.6	312.0
32°	309.6	309.6	309.9	309.9	309.7	309.9	309.9	309.6	309.6	309.6	309.9
32.5°	307.7	307.4	307.9	307.8	307.5	307.8	307.9	307.4	307.7	307.4	307.9
33°	305.5	305.5	305.8	305.7	305.5	305.7	305.8	305.5	305.5	305.5	305.8
33.5°	303.4	303.2	303.7	303.6	303.3	303.6	303.7	303.2	303.4	303.2	303.7
34°	301.2	301.2	301.5	301.5	301.3	301.5	301.5	301.2	301.2	301.2	301.5
34.5°	299.2	298.9	299.4	299.2	298.9	299.2	299.4	298.9	299.2	298.9	299.4
35°	296.8	296.8	297.1	297.0	296.9	297.0	297.1	296.8	296.8	296.8	297.1
35.5°	294.8	294.6	295.0	294.9	294.6	294.9	295.0	294.6	294.8	294.6	295.0
36°	292.4	292.4	292.7	292.6	292.4	292.6	292.7	292.4	292.4	292.4	292.7
36.5°	290.2	290.1	290.5	290.3	290.1	290.3	290.5	290.1	290.2	290.1	290.5
37°	287.9	287.8	288.1	288.1	287.9	288.1	288.1	287.8	287.9	287.8	288.1
37.5°	285.7	285.5	285.9	285.8	285.5	285.8	285.9	285.5	285.7	285.5	285.9
38°	283.2	283.1	283.5	283.4	283.3	283.4	283.5	283.1	283.2	283.1	283.5
38.5°	281.0	280.8	281.2	281.1	280.8	281.1	281.2	280.8	281.0	280.8	281.2
39°	278.6	278.5	278.8	278.8	278.6	278.8	278.8	278.5	278.6	278.5	278.8
39.5°	276.2	276.1	276.5	276.4	276.1	276.4	276.5	276.1	276.2	276.1	276.5
40°	273.8	273.7	274.0	273.9	273.8	273.9	274.0	273.7	273.8	273.7	274.0
40.5°	271.4	271.2	271.6	271.5	271.2	271.5	271.6	271.2	271.4	271.2	271.6
41°	268.8	268.8	269.1	269.0	268.8	269.0	269.1	268.8	268.8	268.8	269.1
41.5°	266.5	266.3	266.7	266.5	266.3	266.5	266.7	266.3	266.5	266.3	266.7
42°	263.9	263.8	264.2	264.1	263.9	264.1	264.2	263.8	263.9	263.8	264.2
42.5°	261.4	261.3	261.7	261.6	261.3	261.6	261.7	261.3	261.4	261.3	261.7
43°	258.9	258.8	259.1	259.1	258.9	259.1	259.1	258.8	258.9	258.8	259.1
43.5°	256.3	256.2	256.6	256.4	256.2	256.4	256.6	256.2	256.3	256.2	256.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	248.6	248.5	248.8	248.6	248.5	248.6	248.8	248.5	248.6	248.5	248.8
45.5°	246.0	245.8	246.2	246.1	245.8	246.1	246.2	245.8	246.0	245.8	246.2
46°	243.3	243.2	243.5	243.4	243.3	243.4	243.5	243.2	243.3	243.2	243.5
46.5°	240.6	240.6	240.9	240.8	240.5	240.8	240.9	240.6	240.6	240.6	240.9
47°	237.9	237.9	238.2	238.1	238.0	238.1	238.2	237.9	237.9	237.9	238.2
47.5°	235.3	235.1	235.5	235.4	235.1	235.4	235.5	235.1	235.3	235.1	235.5
48°	232.6	232.5	232.7	232.6	232.4	232.6	232.7	232.5	232.6	232.5	232.7
48.5°	229.9	229.8	230.0	229.9	229.7	229.9	230.0	229.8	229.9	229.8	230.0
49°	227.1	227.0	227.2	227.2	227.1	227.2	227.2	227.0	227.1	227.0	227.2
49.5°	224.3	224.3	224.5	224.4	224.2	224.4	224.5	224.3	224.3	224.3	224.5
50°	221.6	221.4	221.7	221.6	221.5	221.6	221.7	221.4	221.6	221.4	221.7
50.5°	218.7	218.6	218.9	218.8	218.5	218.8	218.9	218.6	218.7	218.6	218.9
51°	215.9	215.8	216.0	215.9	215.9	215.9	216.0	215.8	215.9	215.8	216.0
51.5°	213.1	213.1	213.3	213.2	213.0	213.2	213.3	213.1	213.1	213.1	213.3
52°	210.2	210.2	210.4	210.4	210.2	210.4	210.4	210.2	210.2	210.2	210.4
52.5°	207.4	207.3	207.6	207.5	207.3	207.5	207.6	207.3	207.4	207.3	207.6
53°	204.5	204.5	204.6	204.6	204.5	204.6	204.6	204.5	204.5	204.5	204.6
53.5°	201.6	201.6	201.8	201.7	201.4	201.7	201.8	201.6	201.6	201.6	201.8
54°	198.7	198.6	198.8	198.7	198.7	198.7	198.8	198.6	198.7	198.6	198.8
54.5°	195.8	195.7	196.0	195.8	195.6	195.8	196.0	195.7	195.8	195.7	196.0
55°	192.9	192.8	193.0	192.9	192.8	192.9	193.0	192.8	192.9	192.8	193.0
55.5°	189.9	189.8	190.0	189.9	189.8	189.9	190.0	189.8	189.9	189.8	190.0
56°	186.9	186.8	187.0	186.9	186.9	186.9	187.0	186.8	186.9	186.8	187.0
56.5°	183.9	183.9	184.1	184.0	183.8	184.0	184.1	183.9	183.9	183.9	184.1
57°	180.9	180.8	181.0	180.9	180.9	180.9	181.0	180.8	180.9	180.8	181.0
57.5°	177.9	177.8	178.1	177.9	177.8	177.9	178.1	177.8	177.9	177.8	178.1
58°	174.9	174.8	175.0	174.9	174.8	174.9	175.0	174.8	174.9	174.8	175.0
58.5°	171.9	171.8	172.0	171.9	171.7	171.9	172.0	171.8	171.9	171.8	172.0
59°	168.7	168.7	168.9	168.8	168.7	168.8	168.9	168.7	168.7	168.7	168.9
59.5°	165.8	165.7	165.9	165.8	165.6	165.8	165.9	165.7	165.8	165.7	165.9
60°	162.6	162.6	162.7	162.7	162.6	162.7	162.7	162.6	162.6	162.6	162.7
60.5°	159.5	159.5	159.7	159.6	159.4	159.6	159.7	159.5	159.5	159.5	159.7
61°	156.4	156.4	156.5	156.5	156.3	156.5	156.5	156.4	156.4	156.4	156.5
61.5°	153.4	153.3	153.5	153.4	153.2	153.4	153.5	153.3	153.4	153.3	153.5
62°	150.2	150.1	150.3	150.2	150.2	150.2	150.3	150.1	150.2	150.1	150.3
62.5°	147.0	147.0	147.2	147.1	146.9	147.1	147.2	147.0	147.0	147.0	147.2
63°	143.8	143.8	144.0	143.9	143.8	143.9	144.0	143.8	143.8	143.8	144.0
63.5°	140.7	140.7	140.8	140.8	140.6	140.8	140.8	140.7	140.7	140.7	140.8
64°	137.5	137.5	137.6	137.6	137.5	137.6	137.6	137.5	137.5	137.5	137.6
64.5°	134.4	134.3	134.5	134.4	134.3	134.4	134.5	134.3	134.4	134.3	134.5
65°	131.2	131.2	131.3	131.2	131.1	131.2	131.3	131.2	131.2	131.2	131.3
65.5°	128.0	128.0	128.1	128.0	127.8	128.0	128.1	128.0	128.0	128.0	128.1
66°	124.7	124.7	124.8	124.8	124.7	124.8	124.8	124.7	124.7	124.7	124.8

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997140

CATALOG NUMBER: SMX4RLSFS010-1000LM-5000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	115.2	115.1	115.2	115.2	115.0	115.2	115.2	115.1	115.2	115.1	115.2
68°	111.9	111.8	111.9	111.9	111.8	111.9	111.9	111.8	111.9	111.8	111.9
68.5°	108.7	108.6	108.7	108.7	108.5	108.7	108.7	108.6	108.7	108.6	108.7
69°	105.4	105.4	105.5	105.4	105.4	105.4	105.5	105.4	105.4	105.4	105.5
69.5°	102.2	102.1	102.2	102.2	102.1	102.2	102.2	102.1	102.2	102.1	102.2
70°	98.9	98.9	99.0	99.0	98.9	99.0	99.0	98.9	98.9	98.9	99.0
70.5°	95.7	95.7	95.8	95.7	95.7	95.7	95.8	95.7	95.7	95.7	95.8
71°	92.4	92.4	92.5	92.5	92.4	92.5	92.5	92.4	92.4	92.4	92.5
71.5°	89.2	89.2	89.3	89.2	89.2	89.2	89.3	89.2	89.2	89.2	89.3
72°	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0	86.0
72.5°	82.7	82.7	82.9	82.8	82.7	82.8	82.9	82.7	82.7	82.7	82.9
73°	79.5	79.5	79.6	79.6	79.5	79.6	79.6	79.5	79.5	79.5	79.6
73.5°	76.3	76.3	76.4	76.3	76.2	76.3	76.4	76.3	76.3	76.3	76.4
74°	73.1	73.1	73.2	73.2	73.1	73.2	73.2	73.1	73.1	73.1	73.2
74.5°	69.9	69.9	70.0	70.0	69.9	70.0	70.0	69.9	69.9	69.9	70.0
75°	66.7	66.7	66.8	66.8	66.7	66.8	66.8	66.7	66.7	66.7	66.8
75.5°	63.5	63.5	63.6	63.6	63.5	63.6	63.6	63.5	63.5	63.5	63.6
76°	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
76.5°	57.2	57.2	57.3	57.3	57.2	57.3	57.3	57.2	57.2	57.2	57.3
77°	54.2	54.2	54.2	54.3	54.2	54.3	54.2	54.2	54.2	54.2	54.2
77.5°	51.1	51.1	51.2	51.2	51.1	51.2	51.2	51.1	51.1	51.1	51.2
78°	48.1	48.1	48.1	48.2	48.1	48.2	48.1	48.1	48.1	48.1	48.1
78.5°	45.0	45.0	45.1	45.2	45.1	45.2	45.1	45.0	45.0	45.0	45.1
79°	42.1	42.2	42.2	42.3	42.1	42.3	42.2	42.2	42.1	42.2	42.2
79.5°	39.1	39.2	39.3	39.4	39.2	39.4	39.3	39.2	39.1	39.2	39.3
80°	36.3	36.3	36.4	36.5	36.3	36.5	36.4	36.3	36.3	36.3	36.4
80.5°	33.5	33.5	33.6	33.7	33.5	33.7	33.6	33.5	33.5	33.5	33.6
81°	30.7	30.8	30.9	30.9	30.8	30.9	30.9	30.8	30.7	30.8	30.9
81.5°	28.0	28.1	28.2	28.3	28.2	28.3	28.2	28.1	28.0	28.1	28.2
82°	25.4	25.4	25.6	25.7	25.6	25.7	25.6	25.4	25.4	25.4	25.6
82.5°	22.8	22.9	23.0	23.1	23.1	23.1	23.0	22.9	22.8	22.9	23.0
83°	20.3	20.4	20.5	20.6	20.7	20.6	20.5	20.4	20.3	20.4	20.5
83.5°	17.9	18.0	18.1	18.3	18.4	18.3	18.1	18.0	17.9	18.0	18.1
84°	15.7	15.8	16.0	16.2	16.2	16.2	16.0	15.8	15.7	15.8	16.0
84.5°	13.5	13.7	13.9	14.1	14.1	14.1	13.9	13.7	13.5	13.7	13.9
85°	11.5	11.7	11.9	12.1	12.1	12.1	11.9	11.7	11.5	11.7	11.9
85.5°	9.7	9.8	10.0	10.2	10.1	10.2	10.0	9.8	9.7	9.8	10.0
86°	8.1	8.1	8.2	8.4	8.4	8.4	8.2	8.1	8.1	8.1	8.2
86.5°	6.5	6.4	6.8	7.0	6.9	7.0	6.8	6.4	6.5	6.4	6.8
87°	5.0	5.1	5.5	5.7	5.5	5.7	5.5	5.1	5.0	5.1	5.5
87.5°	3.7	3.9	4.3	4.6	4.4	4.6	4.3	3.9	3.7	3.9	4.3
88°	2.8	2.9	3.1	3.6	3.4	3.6	3.1	2.9	2.8	2.9	3.1
88.5°	1.9	2.0	2.3	2.6	2.6	2.6	2.3	2.0	1.9	2.0	2.3

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

Scaled Data Report



TEST NUMBER: P997140
CATALOG NUMBER: SMX4RLSFS010-1000LM-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: P997140

CATALOG NUMBER: SMX4RLSFS010-1000LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	380.0	380.0	380.0	380.0	380.0	380.0
0.5°	380.1	379.9	380.1	380.3	379.8	379.9
1°	380.1	380.0	380.1	380.1	379.7	379.6
1.5°	380.0	379.8	380.0	380.1	379.6	379.7
2°	379.9	379.6	379.9	379.8	379.4	379.4
2.5°	379.7	379.5	379.7	379.8	379.3	379.4
3°	379.5	379.4	379.5	379.5	379.1	379.2
3.5°	379.2	379.0	379.2	379.3	378.9	378.9
4°	379.1	378.9	379.1	379.0	378.6	378.7
4.5°	378.6	378.4	378.6	378.8	378.3	378.3
5°	378.3	378.1	378.3	378.3	378.0	378.0
5.5°	377.9	377.7	377.9	378.0	377.5	377.7
6°	377.5	377.3	377.5	377.5	377.1	377.2
6.5°	377.1	376.8	377.1	377.2	376.7	376.7
7°	376.7	376.5	376.7	376.6	376.1	376.2
7.5°	376.0	375.7	376.0	376.1	375.6	375.8
8°	375.5	375.3	375.5	375.5	375.1	375.1
8.5°	374.9	374.6	374.9	375.0	374.5	374.5
9°	374.2	374.0	374.2	374.3	373.8	374.0
9.5°	373.6	373.4	373.6	373.6	373.2	373.2
10°	372.9	372.7	372.9	372.8	372.5	372.6
10.5°	372.2	371.8	372.2	372.1	371.7	372.0
11°	371.4	371.2	371.4	371.4	371.0	370.9
11.5°	370.5	370.3	370.5	370.6	370.2	370.2
12°	369.7	369.6	369.7	369.7	369.3	369.4
12.5°	368.8	368.5	368.8	368.8	368.4	368.5
13°	367.9	367.7	367.9	368.0	367.5	367.6
13.5°	366.9	366.7	366.9	367.0	366.6	366.7
14°	366.0	365.9	366.0	366.0	365.6	365.6
14.5°	365.0	364.8	365.0	365.0	364.6	364.7
15°	363.9	363.8	363.9	363.9	363.5	363.6
15.5°	362.9	362.5	362.9	362.8	362.4	362.5
16°	361.7	361.6	361.7	361.8	361.4	361.4
16.5°	360.5	360.3	360.5	360.7	360.2	360.3
17°	359.4	359.3	359.4	359.3	359.0	359.1
17.5°	358.1	357.9	358.1	358.3	357.8	357.9
18°	356.9	356.8	356.9	357.0	356.5	356.6
18.5°	355.6	355.3	355.6	355.7	355.3	355.5
19°	354.3	354.2	354.3	354.3	354.0	354.0
19.5°	353.0	352.7	353.0	353.1	352.6	352.8
20°	351.5	351.4	351.5	351.6	351.2	351.3
20.5°	350.2	349.9	350.2	350.4	349.9	350.0
21°	348.7	348.6	348.7	348.8	348.4	348.5

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997140

CATALOG NUMBER: SMX4RLSFS010-1000LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	344.3	343.9	344.3	344.4	343.9	344.1
23°	342.7	342.6	342.7	342.8	342.4	342.4
23.5°	341.1	340.8	341.1	341.3	340.8	341.0
24°	339.5	339.4	339.5	339.5	339.2	339.2
24.5°	337.9	337.5	337.9	338.0	337.5	337.6
25°	336.1	336.0	336.1	336.2	335.8	335.9
25.5°	334.5	334.2	334.5	334.5	334.1	334.3
26°	332.7	332.5	332.7	332.8	332.4	332.6
26.5°	331.0	330.6	331.0	331.1	330.6	330.8
27°	329.2	329.0	329.2	329.2	328.9	328.9
27.5°	327.4	327.1	327.4	327.5	327.0	327.2
28°	325.5	325.4	325.5	325.6	325.2	325.3
28.5°	323.7	323.4	323.7	323.8	323.3	323.5
29°	321.7	321.6	321.7	321.8	321.5	321.5
29.5°	319.9	319.6	319.9	320.0	319.5	319.7
30°	317.9	317.7	317.9	317.9	317.6	317.7
30.5°	315.9	315.7	315.9	316.0	315.6	315.7
31°	314.0	313.7	314.0	314.0	313.7	313.7
31.5°	311.9	311.6	311.9	312.0	311.6	311.8
32°	309.9	309.7	309.9	309.9	309.6	309.6
32.5°	307.8	307.5	307.8	307.9	307.4	307.7
33°	305.7	305.5	305.7	305.8	305.5	305.5
33.5°	303.6	303.3	303.6	303.7	303.2	303.4
34°	301.5	301.3	301.5	301.5	301.2	301.2
34.5°	299.2	298.9	299.2	299.4	298.9	299.2
35°	297.0	296.9	297.0	297.1	296.8	296.8
35.5°	294.9	294.6	294.9	295.0	294.6	294.8
36°	292.6	292.4	292.6	292.7	292.4	292.4
36.5°	290.3	290.1	290.3	290.5	290.1	290.2
37°	288.1	287.9	288.1	288.1	287.8	287.9
37.5°	285.8	285.5	285.8	285.9	285.5	285.7
38°	283.4	283.3	283.4	283.5	283.1	283.2
38.5°	281.1	280.8	281.1	281.2	280.8	281.0
39°	278.8	278.6	278.8	278.8	278.5	278.6
39.5°	276.4	276.1	276.4	276.5	276.1	276.2
40°	273.9	273.8	273.9	274.0	273.7	273.8
40.5°	271.5	271.2	271.5	271.6	271.2	271.4
41°	269.0	268.8	269.0	269.1	268.8	268.8
41.5°	266.5	266.3	266.5	266.7	266.3	266.5
42°	264.1	263.9	264.1	264.2	263.8	263.9
42.5°	261.6	261.3	261.6	261.7	261.3	261.4
43°	259.1	258.9	259.1	259.1	258.8	258.9
43.5°	256.4	256.2	256.4	256.6	256.2	256.3

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997140

CATALOG NUMBER: SMX4RLSFS010-1000LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	248.6	248.5	248.6	248.8	248.5	248.6
45.5°	246.1	245.8	246.1	246.2	245.8	246.0
46°	243.4	243.3	243.4	243.5	243.2	243.3
46.5°	240.8	240.5	240.8	240.9	240.6	240.6
47°	238.1	238.0	238.1	238.2	237.9	237.9
47.5°	235.4	235.1	235.4	235.5	235.1	235.3
48°	232.6	232.4	232.6	232.7	232.5	232.6
48.5°	229.9	229.7	229.9	230.0	229.8	229.9
49°	227.2	227.1	227.2	227.2	227.0	227.1
49.5°	224.4	224.2	224.4	224.5	224.3	224.3
50°	221.6	221.5	221.6	221.7	221.4	221.6
50.5°	218.8	218.5	218.8	218.9	218.6	218.7
51°	215.9	215.9	215.9	216.0	215.8	215.9
51.5°	213.2	213.0	213.2	213.3	213.1	213.1
52°	210.4	210.2	210.4	210.4	210.2	210.2
52.5°	207.5	207.3	207.5	207.6	207.3	207.4
53°	204.6	204.5	204.6	204.6	204.5	204.5
53.5°	201.7	201.4	201.7	201.8	201.6	201.6
54°	198.7	198.7	198.7	198.8	198.6	198.7
54.5°	195.8	195.6	195.8	196.0	195.7	195.8
55°	192.9	192.8	192.9	193.0	192.8	192.9
55.5°	189.9	189.8	189.9	190.0	189.8	189.9
56°	186.9	186.9	186.9	187.0	186.8	186.9
56.5°	184.0	183.8	184.0	184.1	183.9	183.9
57°	180.9	180.9	180.9	181.0	180.8	180.9
57.5°	177.9	177.8	177.9	178.1	177.8	177.9
58°	174.9	174.8	174.9	175.0	174.8	174.9
58.5°	171.9	171.7	171.9	172.0	171.8	171.9
59°	168.8	168.7	168.8	168.9	168.7	168.7
59.5°	165.8	165.6	165.8	165.9	165.7	165.8
60°	162.7	162.6	162.7	162.7	162.6	162.6
60.5°	159.6	159.4	159.6	159.7	159.5	159.5
61°	156.5	156.3	156.5	156.5	156.4	156.4
61.5°	153.4	153.2	153.4	153.5	153.3	153.4
62°	150.2	150.2	150.2	150.3	150.1	150.2
62.5°	147.1	146.9	147.1	147.2	147.0	147.0
63°	143.9	143.8	143.9	144.0	143.8	143.8
63.5°	140.8	140.6	140.8	140.8	140.7	140.7
64°	137.6	137.5	137.6	137.6	137.5	137.5
64.5°	134.4	134.3	134.4	134.5	134.3	134.4
65°	131.2	131.1	131.2	131.3	131.2	131.2
65.5°	128.0	127.8	128.0	128.1	128.0	128.0
66°	124.8	124.7	124.8	124.8	124.7	124.7

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997140

CATALOG NUMBER: SMX4RLSFS010-1000LM-5000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	115.2	115.0	115.2	115.2	115.1	115.2
68°	111.9	111.8	111.9	111.9	111.8	111.9
68.5°	108.7	108.5	108.7	108.7	108.6	108.7
69°	105.4	105.4	105.4	105.5	105.4	105.4
69.5°	102.2	102.1	102.2	102.2	102.1	102.2
70°	99.0	98.9	99.0	99.0	98.9	98.9
70.5°	95.7	95.7	95.7	95.8	95.7	95.7
71°	92.5	92.4	92.5	92.5	92.4	92.4
71.5°	89.2	89.2	89.2	89.3	89.2	89.2
72°	86.0	86.0	86.0	86.0	86.0	86.0
72.5°	82.8	82.7	82.8	82.9	82.7	82.7
73°	79.6	79.5	79.6	79.6	79.5	79.5
73.5°	76.3	76.2	76.3	76.4	76.3	76.3
74°	73.2	73.1	73.2	73.2	73.1	73.1
74.5°	70.0	69.9	70.0	70.0	69.9	69.9
75°	66.8	66.7	66.8	66.8	66.7	66.7
75.5°	63.6	63.5	63.6	63.6	63.5	63.5
76°	60.4	60.4	60.4	60.4	60.4	60.4
76.5°	57.3	57.2	57.3	57.3	57.2	57.2
77°	54.3	54.2	54.3	54.2	54.2	54.2
77.5°	51.2	51.1	51.2	51.2	51.1	51.1
78°	48.2	48.1	48.2	48.1	48.1	48.1
78.5°	45.2	45.1	45.2	45.1	45.0	45.0
79°	42.3	42.1	42.3	42.2	42.2	42.1
79.5°	39.4	39.2	39.4	39.3	39.2	39.1
80°	36.5	36.3	36.5	36.4	36.3	36.3
80.5°	33.7	33.5	33.7	33.6	33.5	33.5
81°	30.9	30.8	30.9	30.9	30.8	30.7
81.5°	28.3	28.2	28.3	28.2	28.1	28.0
82°	25.7	25.6	25.7	25.6	25.4	25.4
82.5°	23.1	23.1	23.1	23.0	22.9	22.8
83°	20.6	20.7	20.6	20.5	20.4	20.3
83.5°	18.3	18.4	18.3	18.1	18.0	17.9
84°	16.2	16.2	16.2	16.0	15.8	15.7
84.5°	14.1	14.1	14.1	13.9	13.7	13.5
85°	12.1	12.1	12.1	11.9	11.7	11.5
85.5°	10.2	10.1	10.2	10.0	9.8	9.7
86°	8.4	8.4	8.4	8.2	8.1	8.1
86.5°	7.0	6.9	7.0	6.8	6.4	6.5
87°	5.7	5.5	5.7	5.5	5.1	5.0
87.5°	4.6	4.4	4.6	4.3	3.9	3.7
88°	3.6	3.4	3.6	3.1	2.9	2.8
88.5°	2.6	2.6	2.6	2.3	2.0	1.9

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Scaled Data Report



TEST NUMBER: P997140
CATALOG NUMBER: SMX4RLSFS010-1000LM-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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1121 Highway 74 South

Peachtree City, GA 30269



Report Generated By 670245859 / DESKTOP-T8S5UU9

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

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21.5°	347.1	347.0	347.5	347.3	347.1	347.3	347.5	347.0	347.1	347.0	347.5
22°	345.4	345.4	345.9	345.8	345.6	345.8	345.9	345.4	345.4	345.4	345.9



44°	253.8	253.7	253.9	253.9	253.7	253.9	253.9	253.7	253.8	253.7	253.9
44.5°	251.3	251.1	251.4	251.3	251.1	251.3	251.4	251.1	251.3	251.1	251.4



66.5°	121.5	121.5	121.7	121.6	121.4	121.6	121.7	121.5	121.5	121.5	121.7
67°	118.3	118.3	118.4	118.3	118.3	118.3	118.4	118.3	118.3	118.3	118.4



89°	1.2	1.4	1.7	2.0	2.1	2.0	1.7	1.4	1.2	1.4	1.7
89.5°	0.9	1.0	1.3	1.5	1.6	1.5	1.3	1.0	0.9	1.0	1.3

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21.5°	347.3	347.1	347.3	347.5	347.0	347.1
22°	345.8	345.6	345.8	345.9	345.4	345.4

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44°	253.9	253.7	253.9	253.9	253.7	253.8
44.5°	251.3	251.1	251.3	251.4	251.1	251.3

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66.5°	121.6	121.4	121.6	121.7	121.5	121.5
67°	118.3	118.3	118.3	118.4	118.3	118.3

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89°	2.0	2.1	2.0	1.7	1.4	1.2
89.5°	1.5	1.6	1.5	1.3	1.0	0.9

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(END OF REPORT)