

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: P997147

Luminaire Tested: **SMX4RLSFS010-800LM-3000K**

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: P997147
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: SMX4RLSFS010-800LM-3000K
Description: 4IN ROUND, 90CRI, 0-10V DIMMING, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 3000K CCT
Ballast/Driver: -

Summary

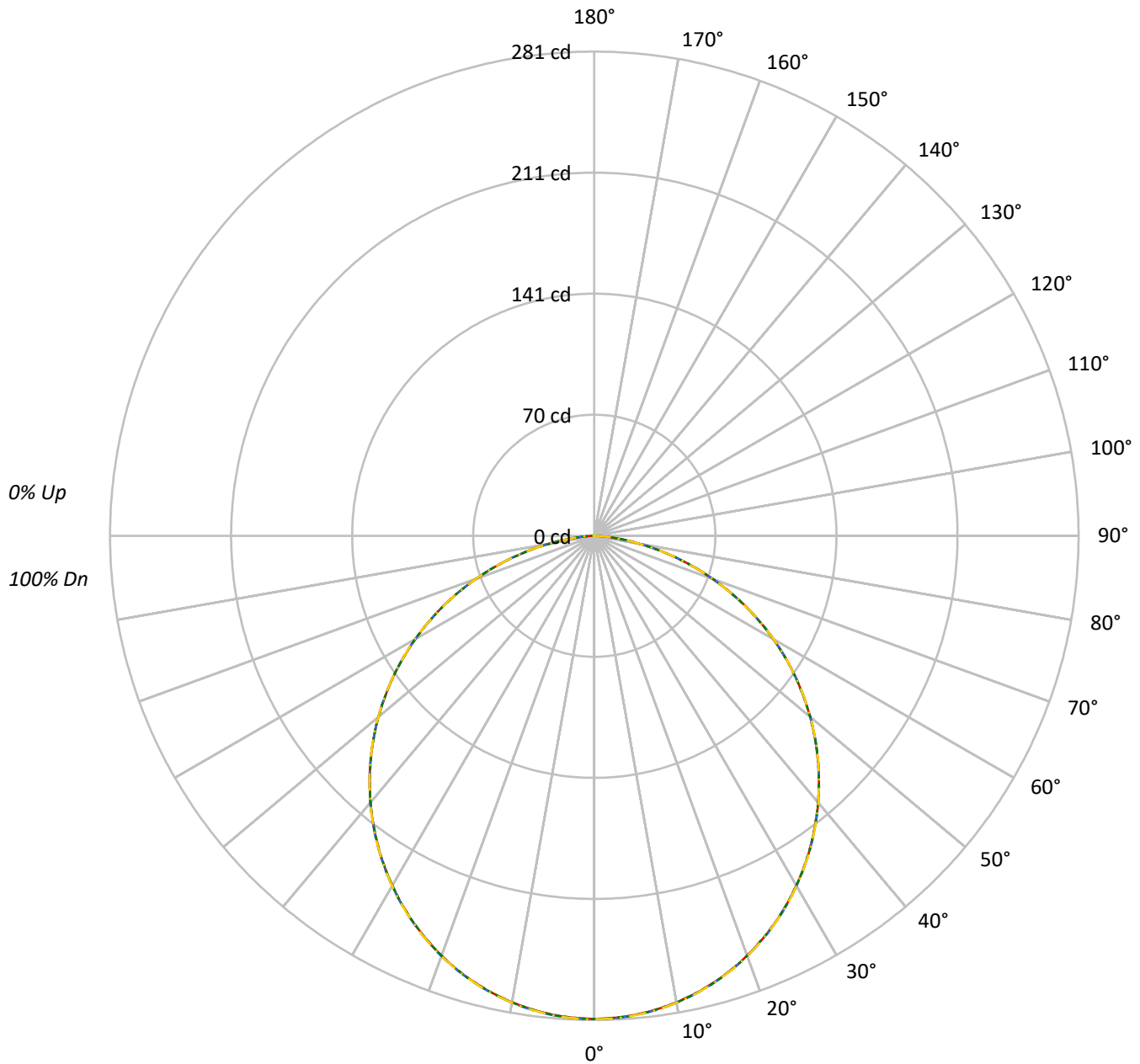
Lumens per Lamp: N/A
Luminaire Lumens: 781.3 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 8.3
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°	35288	35288	35288	35288
5°	35246	35246	35246	35246
10°	35143	35143	35143	35143
15°	34957	34983	34957	34983
20°	34727	34727	34727	34727
25°	34423	34423	34423	34423
30°	34063	34063	34063	34063
35°	33646	33661	33646	33661
40°	33202	33186	33202	33186
45°	32641	32641	32641	32641
50°	32011	32011	32011	32011
55°	31222	31222	31222	31222
60°	30204	30204	30204	30204
65°	28826	28826	28826	28826
70°	26861	26861	26861	26861
75°	23972	23923	23972	23923
80°	19423	19423	19423	19423
85°	12274	12851	12274	12851



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.5	3.4
10°-20°	75.7	9.7
20°-30°	114.3	14.6
30°-40°	137.1	17.5
40°-50°	141.5	18.1
50°-60°	127.1	16.3
60°-70°	95.7	12.2
70°-80°	52.1	6.7
80°-90°	11.3	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°	216.5	27.7
0°-40°	353.6	45.3
0°-60°	622.2	79.6
0°-90°	781.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	781.3	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	280	280	280	280	280	
5°	279	279	279	279	279	26
15°	268	268	268	268	268	76
25°	248	248	248	248	248	114
35°	219	219	219	219	219	137
45°	183	183	183	183	183	141
55°	142	142	142	142	142	127
65°	97	97	97	97	97	96
75°	49	49	49	49	49	52
85°	8	9	8	9	8	11
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°	280.4	280.4	280.4	280.4	280.4	280.4	280.4	280.4	280.4	280.4	280.4
0.5°	280.3	280.2	280.6	280.5	280.3	280.5	280.6	280.2	280.3	280.2	280.6
1°	280.2	280.2	280.5	280.5	280.4	280.5	280.5	280.2	280.2	280.2	280.5
1.5°	280.2	280.1	280.5	280.4	280.3	280.4	280.5	280.1	280.2	280.1	280.5
2°	280.0	280.0	280.3	280.3	280.1	280.3	280.3	280.0	280.0	280.0	280.3
2.5°	280.0	279.9	280.2	280.2	280.0	280.2	280.2	279.9	280.0	279.9	280.2
3°	279.8	279.7	280.1	280.0	280.0	280.0	280.1	279.7	279.8	279.7	280.1
3.5°	279.6	279.6	279.9	279.9	279.7	279.9	279.9	279.6	279.6	279.6	279.9
4°	279.4	279.4	279.7	279.7	279.6	279.7	279.7	279.4	279.4	279.4	279.7
4.5°	279.2	279.1	279.5	279.4	279.3	279.4	279.5	279.1	279.2	279.1	279.5
5°	279.0	278.9	279.2	279.2	279.0	279.2	279.2	278.9	279.0	278.9	279.2
5.5°	278.7	278.6	279.0	278.9	278.7	278.9	279.0	278.6	278.7	278.6	279.0
6°	278.3	278.3	278.6	278.6	278.4	278.6	278.6	278.3	278.3	278.3	278.6
6.5°	278.0	278.0	278.3	278.3	278.1	278.3	278.3	278.0	278.0	278.0	278.3
7°	277.6	277.5	277.9	277.9	277.8	277.9	277.9	277.5	277.6	277.5	277.9
7.5°	277.3	277.2	277.6	277.5	277.3	277.5	277.6	277.2	277.3	277.2	277.6
8°	276.8	276.8	277.1	277.1	277.0	277.1	277.1	276.8	276.8	276.8	277.1
8.5°	276.4	276.3	276.7	276.6	276.4	276.6	276.7	276.3	276.4	276.3	276.7
9°	276.0	275.9	276.2	276.1	276.0	276.1	276.2	275.9	276.0	275.9	276.2
9.5°	275.4	275.4	275.7	275.7	275.5	275.7	275.7	275.4	275.4	275.4	275.7
10°	275.0	274.9	275.1	275.2	275.0	275.2	275.1	274.9	275.0	274.9	275.1
10.5°	274.5	274.3	274.6	274.6	274.4	274.6	274.6	274.3	274.5	274.3	274.6
11°	273.7	273.8	274.0	274.0	274.0	274.0	274.0	273.8	273.7	273.8	274.0
11.5°	273.2	273.1	273.5	273.4	273.2	273.4	273.5	273.1	273.2	273.1	273.5
12°	272.6	272.5	272.8	272.8	272.7	272.8	272.8	272.5	272.6	272.5	272.8
12.5°	271.9	271.9	272.2	272.2	271.9	272.2	272.2	271.9	271.9	271.9	272.2
13°	271.3	271.2	271.5	271.5	271.4	271.5	271.5	271.2	271.3	271.2	271.5
13.5°	270.6	270.5	270.8	270.8	270.6	270.8	270.8	270.5	270.6	270.5	270.8
14°	269.8	269.8	270.1	270.1	270.0	270.1	270.1	269.8	269.8	269.8	270.1
14.5°	269.1	269.0	269.4	269.3	269.2	269.3	269.4	269.0	269.1	269.0	269.4
15°	268.3	268.2	268.5	268.5	268.5	268.5	268.5	268.2	268.3	268.2	268.5
15.5°	267.5	267.4	267.8	267.8	267.5	267.8	267.8	267.4	267.5	267.4	267.8
16°	266.7	266.7	267.0	266.9	266.9	266.9	267.0	266.7	266.7	266.7	267.0
16.5°	265.9	265.8	266.1	266.1	265.9	266.1	266.1	265.8	265.9	265.8	266.1
17°	265.0	264.9	265.2	265.2	265.1	265.2	265.2	264.9	265.0	264.9	265.2
17.5°	264.1	264.0	264.4	264.3	264.1	264.3	264.4	264.0	264.1	264.0	264.4
18°	263.2	263.1	263.4	263.4	263.3	263.4	263.4	263.1	263.2	263.1	263.4
18.5°	262.3	262.2	262.5	262.4	262.2	262.4	262.5	262.2	262.3	262.2	262.5
19°	261.3	261.2	261.5	261.5	261.4	261.5	261.5	261.2	261.3	261.2	261.5
19.5°	260.3	260.2	260.6	260.5	260.3	260.5	260.6	260.2	260.3	260.2	260.6
20°	259.3	259.2	259.5	259.4	259.3	259.4	259.5	259.2	259.3	259.2	259.5
20.5°	258.3	258.2	258.5	258.4	258.2	258.4	258.5	258.2	258.3	258.2	258.5
21°	257.2	257.1	257.4	257.3	257.2	257.3	257.4	257.1	257.2	257.1	257.4

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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°	253.9	253.8	254.1	254.1	253.7	254.1	254.1	253.8	253.9	253.8	254.1
23°	252.7	252.7	252.9	252.9	252.8	252.9	252.9	252.7	252.7	252.7	252.9
23.5°	251.6	251.5	251.8	251.7	251.5	251.7	251.8	251.5	251.6	251.5	251.8
24°	250.3	250.3	250.6	250.5	250.4	250.5	250.6	250.3	250.3	250.3	250.6
24.5°	249.1	249.0	249.4	249.3	249.1	249.3	249.4	249.0	249.1	249.0	249.4
25°	247.9	247.8	248.1	248.0	247.9	248.0	248.1	247.8	247.9	247.8	248.1
25.5°	246.7	246.6	246.9	246.8	246.7	246.8	246.9	246.6	246.7	246.6	246.9
26°	245.4	245.3	245.6	245.5	245.4	245.5	245.6	245.3	245.4	245.3	245.6
26.5°	244.1	244.0	244.4	244.2	244.0	244.2	244.4	244.0	244.1	244.0	244.4
27°	242.7	242.7	242.9	242.9	242.8	242.9	242.9	242.7	242.7	242.7	242.9
27.5°	241.5	241.3	241.7	241.6	241.4	241.6	241.7	241.3	241.5	241.3	241.7
28°	240.1	240.0	240.3	240.2	240.1	240.2	240.3	240.0	240.1	240.0	240.3
28.5°	238.7	238.6	238.9	238.9	238.6	238.9	238.9	238.6	238.7	238.6	238.9
29°	237.3	237.2	237.5	237.4	237.3	237.4	237.5	237.2	237.3	237.2	237.5
29.5°	235.9	235.8	236.1	236.1	235.8	236.1	236.1	235.8	235.9	235.8	236.1
30°	234.4	234.4	234.6	234.6	234.4	234.6	234.6	234.4	234.4	234.4	234.6
30.5°	233.0	232.9	233.2	233.1	233.0	233.1	233.2	232.9	233.0	232.9	233.2
31°	231.5	231.5	231.7	231.7	231.5	231.7	231.7	231.5	231.5	231.5	231.7
31.5°	230.1	229.9	230.3	230.2	229.9	230.2	230.3	229.9	230.1	229.9	230.3
32°	228.5	228.5	228.7	228.7	228.5	228.7	228.7	228.5	228.5	228.5	228.7
32.5°	227.0	226.9	227.2	227.1	226.9	227.1	227.2	226.9	227.0	226.9	227.2
33°	225.5	225.4	225.6	225.6	225.4	225.6	225.6	225.4	225.5	225.4	225.6
33.5°	223.9	223.8	224.1	224.0	223.8	224.0	224.1	223.8	223.9	223.8	224.1
34°	222.3	222.3	222.5	222.5	222.3	222.5	222.5	222.3	222.3	222.3	222.5
34.5°	220.8	220.6	220.9	220.8	220.6	220.8	220.9	220.6	220.8	220.6	220.9
35°	219.0	219.0	219.3	219.2	219.1	219.2	219.3	219.0	219.0	219.0	219.3
35.5°	217.5	217.4	217.7	217.6	217.4	217.6	217.7	217.4	217.5	217.4	217.7
36°	215.8	215.7	216.0	216.0	215.8	216.0	216.0	215.7	215.8	215.7	216.0
36.5°	214.1	214.1	214.4	214.2	214.1	214.2	214.4	214.1	214.1	214.1	214.4
37°	212.4	212.4	212.6	212.6	212.4	212.6	212.6	212.4	212.4	212.4	212.6
37.5°	210.8	210.7	211.0	210.9	210.7	210.9	211.0	210.7	210.8	210.7	211.0
38°	209.0	208.9	209.2	209.1	209.0	209.1	209.2	208.9	209.0	208.9	209.2
38.5°	207.4	207.2	207.5	207.4	207.2	207.4	207.5	207.2	207.4	207.2	207.5
39°	205.6	205.5	205.7	205.7	205.6	205.7	205.7	205.5	205.6	205.5	205.7
39.5°	203.8	203.7	204.0	203.9	203.7	203.9	204.0	203.7	203.8	203.7	204.0
40°	202.1	201.9	202.2	202.1	202.0	202.1	202.2	201.9	202.1	201.9	202.2
40.5°	200.3	200.1	200.4	200.3	200.1	200.3	200.4	200.1	200.3	200.1	200.4
41°	198.4	198.3	198.5	198.5	198.4	198.5	198.5	198.3	198.4	198.3	198.5
41.5°	196.6	196.5	196.8	196.7	196.5	196.7	196.8	196.5	196.6	196.5	196.8
42°	194.8	194.7	194.9	194.9	194.7	194.9	194.9	194.7	194.8	194.7	194.9
42.5°	192.9	192.8	193.1	193.0	192.8	193.0	193.1	192.8	192.9	192.8	193.1
43°	191.1	191.0	191.2	191.2	191.0	191.2	191.2	191.0	191.1	191.0	191.2
43.5°	189.2	189.1	189.3	189.2	189.0	189.2	189.3	189.1	189.2	189.1	189.3

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	183.4	183.4	183.6	183.5	183.4	183.5	183.6	183.4	183.4	183.4	183.6
45.5°	181.5	181.4	181.7	181.6	181.4	181.6	181.7	181.4	181.5	181.4	181.7
46°	179.6	179.5	179.7	179.6	179.5	179.6	179.7	179.5	179.6	179.5	179.7
46.5°	177.6	177.5	177.8	177.7	177.5	177.7	177.8	177.5	177.6	177.5	177.8
47°	175.6	175.5	175.7	175.7	175.6	175.7	175.7	175.5	175.6	175.5	175.7
47.5°	173.6	173.5	173.8	173.7	173.5	173.7	173.8	173.5	173.6	173.5	173.8
48°	171.6	171.6	171.7	171.7	171.5	171.7	171.7	171.6	171.6	171.6	171.7
48.5°	169.6	169.5	169.7	169.7	169.5	169.7	169.7	169.5	169.6	169.5	169.7
49°	167.6	167.5	167.7	167.6	167.6	167.6	167.7	167.5	167.6	167.5	167.7
49.5°	165.5	165.5	165.7	165.6	165.4	165.6	165.7	165.5	165.5	165.5	165.7
50°	163.5	163.4	163.6	163.5	163.5	163.5	163.6	163.4	163.5	163.4	163.6
50.5°	161.4	161.3	161.5	161.5	161.3	161.5	161.5	161.3	161.4	161.3	161.5
51°	159.3	159.3	159.4	159.3	159.3	159.3	159.4	159.3	159.3	159.3	159.4
51.5°	157.3	157.2	157.4	157.3	157.2	157.3	157.4	157.2	157.3	157.2	157.4
52°	155.1	155.1	155.3	155.2	155.1	155.2	155.3	155.1	155.1	155.1	155.3
52.5°	153.0	153.0	153.2	153.1	153.0	153.1	153.2	153.0	153.0	153.0	153.2
53°	150.9	150.9	151.0	151.0	150.9	151.0	151.0	150.9	150.9	150.9	151.0
53.5°	148.8	148.7	148.9	148.8	148.6	148.8	148.9	148.7	148.8	148.7	148.9
54°	146.6	146.6	146.7	146.7	146.6	146.7	146.7	146.6	146.6	146.6	146.7
54.5°	144.5	144.4	144.6	144.5	144.4	144.5	144.6	144.4	144.5	144.4	144.6
55°	142.3	142.2	142.4	142.4	142.3	142.4	142.4	142.2	142.3	142.2	142.4
55.5°	140.2	140.1	140.2	140.2	140.0	140.2	140.2	140.1	140.2	140.1	140.2
56°	137.9	137.9	138.0	137.9	137.9	137.9	138.0	137.9	137.9	137.9	138.0
56.5°	135.7	135.7	135.9	135.8	135.6	135.8	135.9	135.7	135.7	135.7	135.9
57°	133.5	133.4	133.6	133.5	133.5	133.5	133.6	133.4	133.5	133.4	133.6
57.5°	131.3	131.2	131.4	131.3	131.2	131.3	131.4	131.2	131.3	131.2	131.4
58°	129.0	129.0	129.1	129.1	129.0	129.1	129.1	129.0	129.0	129.0	129.1
58.5°	126.8	126.8	127.0	126.9	126.7	126.9	127.0	126.8	126.8	126.8	127.0
59°	124.5	124.5	124.6	124.6	124.5	124.6	124.6	124.5	124.5	124.5	124.6
59.5°	122.3	122.3	122.4	122.3	122.2	122.3	122.4	122.3	122.3	122.3	122.4
60°	120.0	120.0	120.1	120.0	120.0	120.0	120.1	120.0	120.0	120.0	120.1
60.5°	117.7	117.7	117.8	117.8	117.6	117.8	117.8	117.7	117.7	117.7	117.8
61°	115.4	115.4	115.5	115.5	115.4	115.5	115.5	115.4	115.4	115.4	115.5
61.5°	113.2	113.1	113.2	113.2	113.0	113.2	113.2	113.1	113.2	113.1	113.2
62°	110.8	110.8	110.9	110.8	110.8	110.8	110.9	110.8	110.8	110.8	110.9
62.5°	108.5	108.5	108.6	108.5	108.4	108.5	108.6	108.5	108.5	108.5	108.6
63°	106.1	106.1	106.2	106.2	106.1	106.2	106.2	106.1	106.1	106.1	106.2
63.5°	103.9	103.8	103.9	103.9	103.7	103.9	103.9	103.8	103.9	103.8	103.9
64°	101.5	101.5	101.5	101.5	101.4	101.5	101.5	101.5	101.5	101.5	101.5
64.5°	99.2	99.1	99.2	99.2	99.1	99.2	99.2	99.1	99.2	99.1	99.2
65°	96.8	96.8	96.9	96.8	96.8	96.8	96.9	96.8	96.8	96.8	96.9
65.5°	94.5	94.4	94.5	94.5	94.3	94.5	94.5	94.4	94.5	94.4	94.5
66°	92.1	92.0	92.1	92.1	92.0	92.1	92.1	92.0	92.1	92.0	92.1

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997147

CATALOG NUMBER: SMX4RLSFS010-800LM-3000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	85.0	84.9	85.0	85.0	84.8	85.0	85.0	84.9	85.0	84.9	85.0
68°	82.6	82.5	82.6	82.6	82.5	82.6	82.6	82.5	82.6	82.5	82.6
68.5°	80.2	80.1	80.2	80.2	80.1	80.2	80.2	80.1	80.2	80.1	80.2
69°	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
69.5°	75.4	75.4	75.4	75.4	75.3	75.4	75.4	75.4	75.4	75.4	75.4
70°	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0	73.0
70.5°	70.6	70.6	70.7	70.6	70.6	70.6	70.7	70.6	70.6	70.6	70.7
71°	68.2	68.2	68.3	68.2	68.2	68.2	68.3	68.2	68.2	68.2	68.3
71.5°	65.8	65.8	65.9	65.8	65.8	65.8	65.9	65.8	65.8	65.8	65.9
72°	63.5	63.4	63.5	63.5	63.5	63.5	63.5	63.4	63.5	63.4	63.5
72.5°	61.0	61.0	61.1	61.1	61.0	61.1	61.1	61.0	61.0	61.0	61.1
73°	58.7	58.7	58.7	58.7	58.6	58.7	58.7	58.7	58.7	58.7	58.7
73.5°	56.3	56.3	56.4	56.3	56.3	56.3	56.4	56.3	56.3	56.3	56.4
74°	54.0	53.9	54.0	54.0	53.9	54.0	54.0	53.9	54.0	53.9	54.0
74.5°	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6	51.6
75°	49.3	49.2	49.3	49.3	49.2	49.3	49.3	49.2	49.3	49.2	49.3
75.5°	46.9	46.9	47.0	46.9	46.9	46.9	47.0	46.9	46.9	46.9	47.0
76°	44.5	44.6	44.6	44.6	44.6	44.6	44.6	44.6	44.5	44.6	44.6
76.5°	42.2	42.2	42.3	42.3	42.2	42.3	42.3	42.2	42.2	42.2	42.3
77°	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0	40.0
77.5°	37.7	37.7	37.8	37.8	37.7	37.8	37.8	37.7	37.7	37.7	37.8
78°	35.5	35.5	35.5	35.6	35.5	35.6	35.5	35.5	35.5	35.5	35.5
78.5°	33.2	33.2	33.3	33.4	33.3	33.4	33.3	33.2	33.2	33.2	33.3
79°	31.0	31.1	31.1	31.2	31.1	31.2	31.1	31.1	31.0	31.1	31.1
79.5°	28.8	28.9	29.0	29.0	28.9	29.0	29.0	28.9	28.8	28.9	29.0
80°	26.8	26.8	26.9	26.9	26.8	26.9	26.9	26.8	26.8	26.8	26.9
80.5°	24.7	24.7	24.8	24.8	24.7	24.8	24.8	24.7	24.7	24.7	24.8
81°	22.7	22.7	22.8	22.8	22.8	22.8	22.8	22.7	22.7	22.7	22.8
81.5°	20.6	20.7	20.8	20.9	20.8	20.9	20.8	20.7	20.6	20.7	20.8
82°	18.7	18.8	18.9	18.9	18.9	18.9	18.9	18.8	18.7	18.8	18.9
82.5°	16.8	16.9	17.0	17.1	17.1	17.1	17.0	16.9	16.8	16.9	17.0
83°	15.0	15.0	15.1	15.2	15.2	15.2	15.1	15.0	15.0	15.0	15.1
83.5°	13.2	13.3	13.4	13.5	13.6	13.5	13.4	13.3	13.2	13.3	13.4
84°	11.6	11.6	11.8	11.9	12.0	11.9	11.8	11.6	11.6	11.6	11.8
84.5°	9.9	10.1	10.3	10.4	10.4	10.4	10.3	10.1	9.9	10.1	10.3
85°	8.5	8.6	8.8	8.9	8.9	8.9	8.8	8.6	8.5	8.6	8.8
85.5°	7.2	7.2	7.3	7.5	7.4	7.5	7.3	7.2	7.2	7.2	7.3
86°	5.9	6.0	6.0	6.2	6.2	6.2	6.0	6.0	5.9	6.0	6.0
86.5°	4.8	4.8	5.0	5.1	5.1	5.1	5.0	4.8	4.8	4.8	5.0
87°	3.7	3.8	4.0	4.2	4.1	4.2	4.0	3.8	3.7	3.8	4.0
87.5°	2.8	2.9	3.1	3.4	3.2	3.4	3.1	2.9	2.8	2.9	3.1
88°	2.1	2.1	2.3	2.6	2.5	2.6	2.3	2.1	2.1	2.1	2.3
88.5°	1.4	1.5	1.7	2.0	1.9	2.0	1.7	1.5	1.4	1.5	1.7

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

Scaled Data Report



TEST NUMBER: P997147
CATALOG NUMBER: SMX4RLSFS010-800LM-3000K

CANDELA DISTRIBUTION (continued):

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

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997147

CATALOG NUMBER: SMX4RLSFS010-800LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	280.4	280.4	280.4	280.4	280.4	280.4
0.5°	280.5	280.3	280.5	280.6	280.2	280.3
1°	280.5	280.4	280.5	280.5	280.2	280.2
1.5°	280.4	280.3	280.4	280.5	280.1	280.2
2°	280.3	280.1	280.3	280.3	280.0	280.0
2.5°	280.2	280.0	280.2	280.2	279.9	280.0
3°	280.0	280.0	280.0	280.1	279.7	279.8
3.5°	279.9	279.7	279.9	279.9	279.6	279.6
4°	279.7	279.6	279.7	279.7	279.4	279.4
4.5°	279.4	279.3	279.4	279.5	279.1	279.2
5°	279.2	279.0	279.2	279.2	278.9	279.0
5.5°	278.9	278.7	278.9	279.0	278.6	278.7
6°	278.6	278.4	278.6	278.6	278.3	278.3
6.5°	278.3	278.1	278.3	278.3	278.0	278.0
7°	277.9	277.8	277.9	277.9	277.5	277.6
7.5°	277.5	277.3	277.5	277.6	277.2	277.3
8°	277.1	277.0	277.1	277.1	276.8	276.8
8.5°	276.6	276.4	276.6	276.7	276.3	276.4
9°	276.1	276.0	276.1	276.2	275.9	276.0
9.5°	275.7	275.5	275.7	275.7	275.4	275.4
10°	275.2	275.0	275.2	275.1	274.9	275.0
10.5°	274.6	274.4	274.6	274.6	274.3	274.5
11°	274.0	274.0	274.0	274.0	273.8	273.7
11.5°	273.4	273.2	273.4	273.5	273.1	273.2
12°	272.8	272.7	272.8	272.8	272.5	272.6
12.5°	272.2	271.9	272.2	272.2	271.9	271.9
13°	271.5	271.4	271.5	271.5	271.2	271.3
13.5°	270.8	270.6	270.8	270.8	270.5	270.6
14°	270.1	270.0	270.1	270.1	269.8	269.8
14.5°	269.3	269.2	269.3	269.4	269.0	269.1
15°	268.5	268.5	268.5	268.5	268.2	268.3
15.5°	267.8	267.5	267.8	267.8	267.4	267.5
16°	266.9	266.9	266.9	267.0	266.7	266.7
16.5°	266.1	265.9	266.1	266.1	265.8	265.9
17°	265.2	265.1	265.2	265.2	264.9	265.0
17.5°	264.3	264.1	264.3	264.4	264.0	264.1
18°	263.4	263.3	263.4	263.4	263.1	263.2
18.5°	262.4	262.2	262.4	262.5	262.2	262.3
19°	261.5	261.4	261.5	261.5	261.2	261.3
19.5°	260.5	260.3	260.5	260.6	260.2	260.3
20°	259.4	259.3	259.4	259.5	259.2	259.3
20.5°	258.4	258.2	258.4	258.5	258.2	258.3
21°	257.3	257.2	257.3	257.4	257.1	257.2

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997147

CATALOG NUMBER: SMX4RLSFS010-800LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	254.1	253.7	254.1	254.1	253.8	253.9
23°	252.9	252.8	252.9	252.9	252.7	252.7
23.5°	251.7	251.5	251.7	251.8	251.5	251.6
24°	250.5	250.4	250.5	250.6	250.3	250.3
24.5°	249.3	249.1	249.3	249.4	249.0	249.1
25°	248.0	247.9	248.0	248.1	247.8	247.9
25.5°	246.8	246.7	246.8	246.9	246.6	246.7
26°	245.5	245.4	245.5	245.6	245.3	245.4
26.5°	244.2	244.0	244.2	244.4	244.0	244.1
27°	242.9	242.8	242.9	242.9	242.7	242.7
27.5°	241.6	241.4	241.6	241.7	241.3	241.5
28°	240.2	240.1	240.2	240.3	240.0	240.1
28.5°	238.9	238.6	238.9	238.9	238.6	238.7
29°	237.4	237.3	237.4	237.5	237.2	237.3
29.5°	236.1	235.8	236.1	236.1	235.8	235.9
30°	234.6	234.4	234.6	234.6	234.4	234.4
30.5°	233.1	233.0	233.1	233.2	232.9	233.0
31°	231.7	231.5	231.7	231.7	231.5	231.5
31.5°	230.2	229.9	230.2	230.3	229.9	230.1
32°	228.7	228.5	228.7	228.7	228.5	228.5
32.5°	227.1	226.9	227.1	227.2	226.9	227.0
33°	225.6	225.4	225.6	225.6	225.4	225.5
33.5°	224.0	223.8	224.0	224.1	223.8	223.9
34°	222.5	222.3	222.5	222.5	222.3	222.3
34.5°	220.8	220.6	220.8	220.9	220.6	220.8
35°	219.2	219.1	219.2	219.3	219.0	219.0
35.5°	217.6	217.4	217.6	217.7	217.4	217.5
36°	216.0	215.8	216.0	216.0	215.7	215.8
36.5°	214.2	214.1	214.2	214.4	214.1	214.1
37°	212.6	212.4	212.6	212.6	212.4	212.4
37.5°	210.9	210.7	210.9	211.0	210.7	210.8
38°	209.1	209.0	209.1	209.2	208.9	209.0
38.5°	207.4	207.2	207.4	207.5	207.2	207.4
39°	205.7	205.6	205.7	205.7	205.5	205.6
39.5°	203.9	203.7	203.9	204.0	203.7	203.8
40°	202.1	202.0	202.1	202.2	201.9	202.1
40.5°	200.3	200.1	200.3	200.4	200.1	200.3
41°	198.5	198.4	198.5	198.5	198.3	198.4
41.5°	196.7	196.5	196.7	196.8	196.5	196.6
42°	194.9	194.7	194.9	194.9	194.7	194.8
42.5°	193.0	192.8	193.0	193.1	192.8	192.9
43°	191.2	191.0	191.2	191.2	191.0	191.1
43.5°	189.2	189.0	189.2	189.3	189.1	189.2

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997147

CATALOG NUMBER: SMX4RLSFS010-800LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	183.5	183.4	183.5	183.6	183.4	183.4
45.5°	181.6	181.4	181.6	181.7	181.4	181.5
46°	179.6	179.5	179.6	179.7	179.5	179.6
46.5°	177.7	177.5	177.7	177.8	177.5	177.6
47°	175.7	175.6	175.7	175.7	175.5	175.6
47.5°	173.7	173.5	173.7	173.8	173.5	173.6
48°	171.7	171.5	171.7	171.7	171.6	171.6
48.5°	169.7	169.5	169.7	169.7	169.5	169.6
49°	167.6	167.6	167.6	167.7	167.5	167.6
49.5°	165.6	165.4	165.6	165.7	165.5	165.5
50°	163.5	163.5	163.5	163.6	163.4	163.5
50.5°	161.5	161.3	161.5	161.5	161.3	161.4
51°	159.3	159.3	159.3	159.4	159.3	159.3
51.5°	157.3	157.2	157.3	157.4	157.2	157.3
52°	155.2	155.1	155.2	155.3	155.1	155.1
52.5°	153.1	153.0	153.1	153.2	153.0	153.0
53°	151.0	150.9	151.0	151.0	150.9	150.9
53.5°	148.8	148.6	148.8	148.9	148.7	148.8
54°	146.7	146.6	146.7	146.7	146.6	146.6
54.5°	144.5	144.4	144.5	144.6	144.4	144.5
55°	142.4	142.3	142.4	142.4	142.2	142.3
55.5°	140.2	140.0	140.2	140.2	140.1	140.2
56°	137.9	137.9	137.9	138.0	137.9	137.9
56.5°	135.8	135.6	135.8	135.9	135.7	135.7
57°	133.5	133.5	133.5	133.6	133.4	133.5
57.5°	131.3	131.2	131.3	131.4	131.2	131.3
58°	129.1	129.0	129.1	129.1	129.0	129.0
58.5°	126.9	126.7	126.9	127.0	126.8	126.8
59°	124.6	124.5	124.6	124.6	124.5	124.5
59.5°	122.3	122.2	122.3	122.4	122.3	122.3
60°	120.0	120.0	120.0	120.1	120.0	120.0
60.5°	117.8	117.6	117.8	117.8	117.7	117.7
61°	115.5	115.4	115.5	115.5	115.4	115.4
61.5°	113.2	113.0	113.2	113.2	113.1	113.2
62°	110.8	110.8	110.8	110.9	110.8	110.8
62.5°	108.5	108.4	108.5	108.6	108.5	108.5
63°	106.2	106.1	106.2	106.2	106.1	106.1
63.5°	103.9	103.7	103.9	103.9	103.8	103.9
64°	101.5	101.4	101.5	101.5	101.5	101.5
64.5°	99.2	99.1	99.2	99.2	99.1	99.2
65°	96.8	96.8	96.8	96.9	96.8	96.8
65.5°	94.5	94.3	94.5	94.5	94.4	94.5
66°	92.1	92.0	92.1	92.1	92.0	92.1

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997147

CATALOG NUMBER: SMX4RLSFS010-800LM-3000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	85.0	84.8	85.0	85.0	84.9	85.0
68°	82.6	82.5	82.6	82.6	82.5	82.6
68.5°	80.2	80.1	80.2	80.2	80.1	80.2
69°	77.8	77.8	77.8	77.8	77.8	77.8
69.5°	75.4	75.3	75.4	75.4	75.4	75.4
70°	73.0	73.0	73.0	73.0	73.0	73.0
70.5°	70.6	70.6	70.6	70.7	70.6	70.6
71°	68.2	68.2	68.2	68.3	68.2	68.2
71.5°	65.8	65.8	65.8	65.9	65.8	65.8
72°	63.5	63.5	63.5	63.5	63.4	63.5
72.5°	61.1	61.0	61.1	61.1	61.0	61.0
73°	58.7	58.6	58.7	58.7	58.7	58.7
73.5°	56.3	56.3	56.3	56.4	56.3	56.3
74°	54.0	53.9	54.0	54.0	53.9	54.0
74.5°	51.6	51.6	51.6	51.6	51.6	51.6
75°	49.3	49.2	49.3	49.3	49.2	49.3
75.5°	46.9	46.9	46.9	47.0	46.9	46.9
76°	44.6	44.6	44.6	44.6	44.6	44.5
76.5°	42.3	42.2	42.3	42.3	42.2	42.2
77°	40.0	40.0	40.0	40.0	40.0	40.0
77.5°	37.8	37.7	37.8	37.8	37.7	37.7
78°	35.6	35.5	35.6	35.5	35.5	35.5
78.5°	33.4	33.3	33.4	33.3	33.2	33.2
79°	31.2	31.1	31.2	31.1	31.1	31.0
79.5°	29.0	28.9	29.0	29.0	28.9	28.8
80°	26.9	26.8	26.9	26.9	26.8	26.8
80.5°	24.8	24.7	24.8	24.8	24.7	24.7
81°	22.8	22.8	22.8	22.8	22.7	22.7
81.5°	20.9	20.8	20.9	20.8	20.7	20.6
82°	18.9	18.9	18.9	18.9	18.8	18.7
82.5°	17.1	17.1	17.1	17.0	16.9	16.8
83°	15.2	15.2	15.2	15.1	15.0	15.0
83.5°	13.5	13.6	13.5	13.4	13.3	13.2
84°	11.9	12.0	11.9	11.8	11.6	11.6
84.5°	10.4	10.4	10.4	10.3	10.1	9.9
85°	8.9	8.9	8.9	8.8	8.6	8.5
85.5°	7.5	7.4	7.5	7.3	7.2	7.2
86°	6.2	6.2	6.2	6.0	6.0	5.9
86.5°	5.1	5.1	5.1	5.0	4.8	4.8
87°	4.2	4.1	4.2	4.0	3.8	3.7
87.5°	3.4	3.2	3.4	3.1	2.9	2.8
88°	2.6	2.5	2.6	2.3	2.1	2.1
88.5°	2.0	1.9	2.0	1.7	1.5	1.4

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Scaled Data Report



TEST NUMBER: P997147
CATALOG NUMBER: SMX4RLSFS010-800LM-3000K

CANDELA DISTRIBUTION (continued):

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

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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°	256.1	256.0	256.4	256.3	256.1	256.3	256.4	256.0	256.1	256.0	256.4
22°	254.9	254.9	255.2	255.1	255.0	255.1	255.2	254.9	254.9	254.9	255.2



44°	187.3	187.2	187.4	187.2	187.4	187.4	187.2	187.3	187.2	187.4
44.5°	185.4	185.3	185.5	185.3	185.5	185.5	185.3	185.4	185.3	185.5

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66.5°	89.7	89.6	89.8	89.7	89.6	89.7	89.8	89.6	89.7	89.6	89.8
67°	87.3	87.3	87.4	87.3	87.3	87.3	87.4	87.3	87.3	87.3	87.4



89°	0.9	1.1	1.3	1.5	1.5	1.5	1.3	1.1	0.9	1.1	1.3
89.5°	0.6	0.7	0.9	1.1	1.2	1.1	0.9	0.7	0.6	0.7	0.9

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21.5°	256.3	256.1	256.3	256.4	256.0	256.1
22°	255.1	255.0	255.1	255.2	254.9	254.9

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44°	187.4	187.2	187.4	187.4	187.2	187.3
44.5°	185.5	185.3	185.5	185.5	185.3	185.4

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66.5°	89.7	89.6	89.7	89.8	89.6	89.7
67°	87.3	87.3	87.3	87.4	87.3	87.3

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89°	1.5	1.5	1.5	1.3	1.1	0.9
89.5°	1.1	1.2	1.1	0.9	0.7	0.6

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Scaled Data Report



(END OF REPORT)