

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: P997149

Luminaire Tested: **SMX4RLSFS010-800LM-4000K**

Issue Date: 3/11/2025



Test Information

Test Method: LM-41-14
Report Number: P997149
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-4000K
Description: 4IN ROUND, 90CRI, 0-10V DIMMING, DAMP LOCATION
Light Source: SELECTABLE CCT 90CRI / 4000K CCT
Ballast/Driver: -

Summary

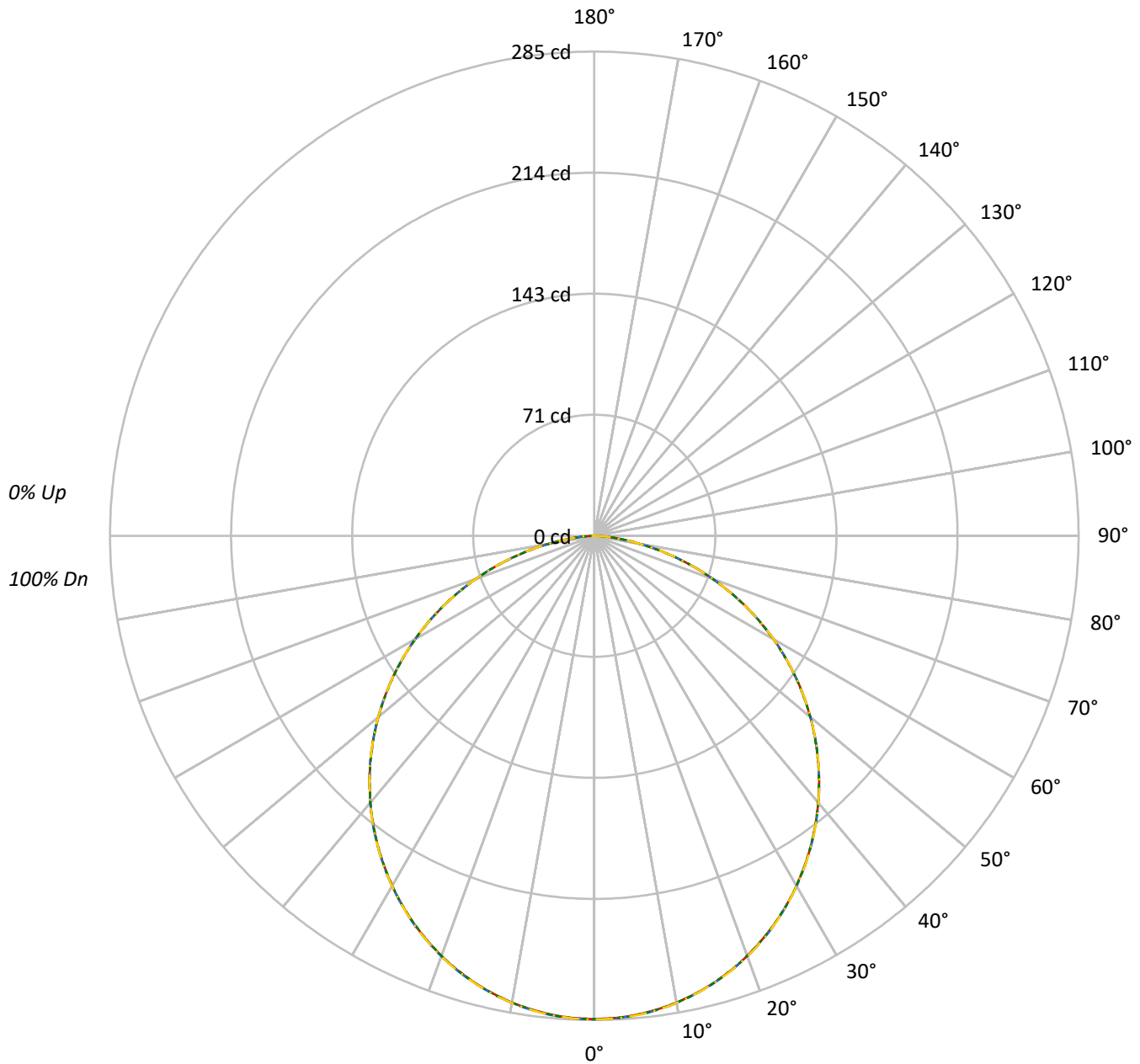
Lumens per Lamp: N/A
Luminaire Lumens: 792.9 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.24 / 1.36
Luminous Opening: Circular (Dia: 0.33' x H: 0')
CIE Type: Direct

Input Watts (W): 8.2
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



Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



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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°	35817	35817	35817	35817
5°	35764	35777	35764	35777
10°	35654	35667	35654	35667
15°	35478	35491	35478	35491
20°	35236	35236	35236	35236
25°	34937	34937	34937	34937
30°	34571	34571	34571	34571
35°	34153	34168	34153	34168
40°	33678	33678	33678	33678
45°	33122	33122	33122	33122
50°	32481	32481	32481	32481
55°	31683	31683	31683	31683
60°	30657	30632	30657	30632
65°	29243	29243	29243	29243
70°	27229	27266	27229	27266
75°	24312	24264	24312	24264
80°	19713	19713	19713	19713
85°	12418	12996	12418	12996



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.9	3.4
10°-20°	76.9	9.7
20°-30°	116.0	14.6
30°-40°	139.1	17.5
40°-50°	143.6	18.1
50°-60°	129.0	16.3
60°-70°	97.1	12.2
70°-80°	52.9	6.7
80°-90°	11.5	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°	219.7	27.7
0°-40°	358.8	45.3
0°-60°	631.4	79.6
0°-90°	792.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	792.9	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	285	285	285	285	285	
5°	283	283	283	283	283	27
15°	272	272	272	272	272	77
25°	252	252	252	252	252	116
35°	222	222	222	222	222	139
45°	186	186	186	186	186	144
55°	144	144	144	144	144	129
65°	98	98	98	98	98	97
75°	50	50	50	50	50	53
85°	9	9	9	9	9	11
90°	0	0	0	0	0	

Cooper Lighting Solutions Photometric Lab

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6	284.6
0.5°	284.5	284.4	284.8	284.7	284.5	284.7	284.8	284.4	284.5	284.4	284.8
1°	284.3	284.3	284.6	284.6	284.6	284.6	284.6	284.3	284.3	284.3	284.6
1.5°	284.3	284.3	284.6	284.5	284.4	284.5	284.6	284.3	284.3	284.3	284.6
2°	284.1	284.1	284.4	284.5	284.3	284.5	284.4	284.1	284.1	284.1	284.4
2.5°	284.1	284.0	284.4	284.3	284.2	284.3	284.4	284.0	284.1	284.0	284.4
3°	283.9	283.9	284.2	284.2	284.1	284.2	284.2	283.9	283.9	283.9	284.2
3.5°	283.7	283.7	284.0	284.0	283.8	284.0	284.0	283.7	283.7	283.7	284.0
4°	283.6	283.5	283.8	283.9	283.7	283.9	283.8	283.5	283.6	283.5	283.8
4.5°	283.3	283.3	283.7	283.5	283.4	283.5	283.7	283.3	283.3	283.3	283.7
5°	283.1	283.1	283.3	283.3	283.2	283.3	283.3	283.1	283.1	283.1	283.3
5.5°	282.8	282.7	283.1	283.0	282.8	283.0	283.1	282.7	282.8	282.7	283.1
6°	282.4	282.4	282.7	282.7	282.6	282.7	282.7	282.4	282.4	282.4	282.7
6.5°	282.1	282.1	282.5	282.4	282.2	282.4	282.5	282.1	282.1	282.1	282.5
7°	281.7	281.6	282.0	282.1	281.9	282.1	282.0	281.6	281.7	281.6	282.0
7.5°	281.4	281.3	281.7	281.6	281.4	281.6	281.7	281.3	281.4	281.3	281.7
8°	280.9	280.9	281.2	281.2	281.1	281.2	281.2	280.9	280.9	280.9	281.2
8.5°	280.5	280.4	280.8	280.7	280.5	280.7	280.8	280.4	280.5	280.4	280.8
9°	280.1	279.9	280.3	280.2	280.1	280.2	280.3	279.9	280.1	279.9	280.3
9.5°	279.5	279.5	279.8	279.8	279.6	279.8	279.8	279.5	279.5	279.5	279.8
10°	279.0	278.9	279.2	279.2	279.1	279.2	279.2	278.9	279.0	278.9	279.2
10.5°	278.5	278.4	278.7	278.7	278.4	278.7	278.7	278.4	278.5	278.4	278.7
11°	277.7	277.8	278.1	278.1	278.0	278.1	278.1	277.8	277.7	277.8	278.1
11.5°	277.2	277.2	277.5	277.5	277.3	277.5	277.5	277.2	277.2	277.2	277.5
12°	276.6	276.5	276.9	276.9	276.8	276.9	276.9	276.5	276.6	276.5	276.9
12.5°	275.9	275.9	276.2	276.2	276.0	276.2	276.2	275.9	275.9	275.9	276.2
13°	275.3	275.2	275.5	275.5	275.4	275.5	275.5	275.2	275.3	275.2	275.5
13.5°	274.6	274.5	274.8	274.8	274.6	274.8	274.8	274.5	274.6	274.5	274.8
14°	273.8	273.8	274.0	274.1	274.0	274.1	274.0	273.8	273.8	273.8	274.0
14.5°	273.1	273.0	273.4	273.3	273.1	273.3	273.4	273.0	273.1	273.0	273.4
15°	272.3	272.2	272.5	272.5	272.4	272.5	272.5	272.2	272.3	272.2	272.5
15.5°	271.5	271.4	271.7	271.7	271.4	271.7	271.7	271.4	271.5	271.4	271.7
16°	270.6	270.6	270.9	270.9	270.8	270.9	270.9	270.6	270.6	270.6	270.9
16.5°	269.8	269.7	270.1	270.0	269.8	270.0	270.1	269.7	269.8	269.7	270.1
17°	268.9	268.9	269.1	269.1	269.0	269.1	269.1	268.9	268.9	268.9	269.1
17.5°	268.0	267.9	268.3	268.2	268.0	268.2	268.3	267.9	268.0	267.9	268.3
18°	267.1	267.0	267.3	267.3	267.2	267.3	267.3	267.0	267.1	267.0	267.3
18.5°	266.2	266.0	266.4	266.3	266.0	266.3	266.4	266.0	266.2	266.0	266.4
19°	265.1	265.1	265.3	265.3	265.2	265.3	265.3	265.1	265.1	265.1	265.3
19.5°	264.2	264.1	264.4	264.3	264.1	264.3	264.4	264.1	264.2	264.1	264.4
20°	263.1	263.0	263.3	263.2	263.1	263.2	263.3	263.0	263.1	263.0	263.3
20.5°	262.1	262.0	262.4	262.3	262.1	262.3	262.4	262.0	262.1	262.0	262.4
21°	261.0	260.9	261.2	261.1	261.0	261.1	261.2	260.9	261.0	260.9	261.2

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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°	257.7	257.5	257.9	257.8	257.5	257.8	257.9	257.5	257.7	257.5	257.9
23°	256.4	256.4	256.7	256.6	256.5	256.6	256.7	256.4	256.4	256.4	256.7
23.5°	255.3	255.2	255.6	255.5	255.2	255.5	255.6	255.2	255.3	255.2	255.6
24°	254.0	254.0	254.3	254.2	254.1	254.2	254.3	254.0	254.0	254.0	254.3
24.5°	252.8	252.7	253.1	253.0	252.7	253.0	253.1	252.7	252.8	252.7	253.1
25°	251.6	251.5	251.8	251.7	251.6	251.7	251.8	251.5	251.6	251.5	251.8
25.5°	250.4	250.2	250.5	250.5	250.3	250.5	250.5	250.2	250.4	250.2	250.5
26°	249.0	248.9	249.2	249.2	249.0	249.2	249.2	248.9	249.0	248.9	249.2
26.5°	247.7	247.6	248.0	247.8	247.6	247.8	248.0	247.6	247.7	247.6	248.0
27°	246.3	246.3	246.5	246.5	246.4	246.5	246.5	246.3	246.3	246.3	246.5
27.5°	245.0	244.8	245.2	245.2	244.9	245.2	245.2	244.8	245.0	244.8	245.2
28°	243.6	243.5	243.8	243.7	243.7	243.7	243.8	243.5	243.6	243.5	243.8
28.5°	242.3	242.1	242.4	242.4	242.2	242.4	242.4	242.1	242.3	242.1	242.4
29°	240.8	240.7	241.0	240.9	240.8	240.9	241.0	240.7	240.8	240.7	241.0
29.5°	239.4	239.3	239.6	239.6	239.3	239.6	239.6	239.3	239.4	239.3	239.6
30°	237.9	237.9	238.1	238.0	237.9	238.0	238.1	237.9	237.9	237.9	238.1
30.5°	236.4	236.3	236.7	236.6	236.4	236.6	236.7	236.3	236.4	236.3	236.7
31°	234.9	234.9	235.1	235.1	234.9	235.1	235.1	234.9	234.9	234.9	235.1
31.5°	233.5	233.3	233.7	233.6	233.3	233.6	233.7	233.3	233.5	233.3	233.7
32°	231.8	231.8	232.1	232.0	231.9	232.0	232.1	231.8	231.8	231.8	232.1
32.5°	230.4	230.2	230.6	230.5	230.3	230.5	230.6	230.2	230.4	230.2	230.6
33°	228.8	228.7	229.0	228.9	228.8	228.9	229.0	228.7	228.8	228.7	229.0
33.5°	227.2	227.1	227.4	227.3	227.1	227.3	227.4	227.1	227.2	227.1	227.4
34°	225.6	225.5	225.8	225.7	225.6	225.7	225.8	225.5	225.6	225.5	225.8
34.5°	224.0	223.9	224.2	224.1	223.8	224.1	224.2	223.9	224.0	223.9	224.2
35°	222.3	222.2	222.5	222.4	222.4	222.4	222.5	222.2	222.3	222.2	222.5
35.5°	220.7	220.6	220.9	220.8	220.6	220.8	220.9	220.6	220.7	220.6	220.9
36°	219.0	218.9	219.2	219.1	219.0	219.1	219.2	218.9	219.0	218.9	219.2
36.5°	217.3	217.2	217.6	217.4	217.2	217.4	217.6	217.2	217.3	217.2	217.6
37°	215.6	215.5	215.8	215.7	215.6	215.7	215.8	215.5	215.6	215.5	215.8
37.5°	213.9	213.8	214.1	214.0	213.8	214.0	214.1	213.8	213.9	213.8	214.1
38°	212.1	212.0	212.3	212.2	212.1	212.2	212.3	212.0	212.1	212.0	212.3
38.5°	210.4	210.3	210.6	210.5	210.3	210.5	210.6	210.3	210.4	210.3	210.6
39°	208.6	208.6	208.8	208.7	208.6	208.7	208.8	208.6	208.6	208.6	208.8
39.5°	206.8	206.7	207.0	207.0	206.7	207.0	207.0	206.7	206.8	206.7	207.0
40°	205.0	204.9	205.1	205.1	205.0	205.1	205.1	204.9	205.0	204.9	205.1
40.5°	203.2	203.1	203.4	203.3	203.1	203.3	203.4	203.1	203.2	203.1	203.4
41°	201.3	201.3	201.5	201.5	201.3	201.5	201.5	201.3	201.3	201.3	201.5
41.5°	199.5	199.4	199.7	199.6	199.4	199.6	199.7	199.4	199.5	199.4	199.7
42°	197.7	197.6	197.8	197.7	197.6	197.7	197.8	197.6	197.7	197.6	197.8
42.5°	195.8	195.7	196.0	195.9	195.7	195.9	196.0	195.7	195.8	195.7	196.0
43°	193.9	193.8	194.0	194.0	193.9	194.0	194.0	193.8	193.9	193.8	194.0
43.5°	192.0	191.9	192.1	192.0	191.8	192.0	192.1	191.9	192.0	191.9	192.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
45°	186.1	186.1	186.3	186.2	186.1	186.2	186.3	186.1	186.1	186.1	186.3
45.5°	184.2	184.1	184.4	184.3	184.1	184.3	184.4	184.1	184.2	184.1	184.4
46°	182.2	182.1	182.3	182.3	182.2	182.3	182.3	182.1	182.2	182.1	182.3
46.5°	180.2	180.1	180.4	180.3	180.1	180.3	180.4	180.1	180.2	180.1	180.4
47°	178.2	178.1	178.3	178.3	178.2	178.3	178.3	178.1	178.2	178.1	178.3
47.5°	176.2	176.1	176.3	176.3	176.0	176.3	176.3	176.1	176.2	176.1	176.3
48°	174.2	174.1	174.3	174.2	174.1	174.2	174.3	174.1	174.2	174.1	174.3
48.5°	172.1	172.0	172.2	172.2	172.0	172.2	172.2	172.0	172.1	172.0	172.2
49°	170.1	170.0	170.2	170.1	170.0	170.1	170.2	170.0	170.1	170.0	170.2
49.5°	167.9	167.9	168.1	168.1	167.9	168.1	168.1	167.9	167.9	167.9	168.1
50°	165.9	165.8	166.0	165.9	165.9	165.9	166.0	165.8	165.9	165.8	166.0
50.5°	163.8	163.7	163.9	163.9	163.7	163.9	163.9	163.7	163.8	163.7	163.9
51°	161.7	161.6	161.8	161.7	161.7	161.7	161.8	161.6	161.7	161.6	161.8
51.5°	159.6	159.5	159.7	159.6	159.5	159.6	159.7	159.5	159.6	159.5	159.7
52°	157.4	157.4	157.6	157.5	157.4	157.5	157.6	157.4	157.4	157.4	157.6
52.5°	155.3	155.2	155.4	155.4	155.2	155.4	155.4	155.2	155.3	155.2	155.4
53°	153.2	153.1	153.2	153.2	153.1	153.2	153.2	153.1	153.2	153.1	153.2
53.5°	151.0	150.9	151.1	151.0	150.8	151.0	151.1	150.9	151.0	150.9	151.1
54°	148.8	148.7	148.9	148.8	148.8	148.8	148.9	148.7	148.8	148.7	148.9
54.5°	146.6	146.6	146.7	146.6	146.5	146.6	146.7	146.6	146.6	146.6	146.7
55°	144.4	144.3	144.5	144.5	144.4	144.5	144.5	144.3	144.4	144.3	144.5
55.5°	142.2	142.1	142.3	142.2	142.1	142.2	142.3	142.1	142.2	142.1	142.3
56°	140.0	139.9	140.0	140.0	139.9	140.0	140.0	139.9	140.0	139.9	140.0
56.5°	137.7	137.7	137.9	137.8	137.6	137.8	137.9	137.7	137.7	137.7	137.9
57°	135.4	135.4	135.6	135.5	135.4	135.5	135.6	135.4	135.4	135.4	135.6
57.5°	133.2	133.2	133.3	133.3	133.1	133.3	133.3	133.2	133.2	133.2	133.3
58°	130.9	130.9	131.1	131.0	130.9	131.0	131.1	130.9	130.9	130.9	131.1
58.5°	128.7	128.7	128.8	128.7	128.6	128.7	128.8	128.7	128.7	128.7	128.8
59°	126.4	126.3	126.5	126.4	126.4	126.4	126.5	126.3	126.4	126.3	126.5
59.5°	124.1	124.1	124.2	124.1	124.0	124.1	124.2	124.1	124.1	124.1	124.2
60°	121.8	121.7	121.9	121.8	121.7	121.8	121.9	121.7	121.8	121.7	121.9
60.5°	119.5	119.5	119.6	119.5	119.4	119.5	119.6	119.5	119.5	119.5	119.6
61°	117.1	117.1	117.2	117.2	117.1	117.2	117.2	117.1	117.1	117.1	117.2
61.5°	114.9	114.8	114.9	114.9	114.7	114.9	114.9	114.8	114.9	114.8	114.9
62°	112.4	112.4	112.5	112.5	112.5	112.5	112.5	112.4	112.4	112.4	112.5
62.5°	110.1	110.1	110.2	110.1	110.0	110.1	110.2	110.1	110.1	110.1	110.2
63°	107.7	107.7	107.8	107.8	107.7	107.8	107.8	107.7	107.7	107.7	107.8
63.5°	105.4	105.4	105.5	105.4	105.3	105.4	105.5	105.4	105.4	105.4	105.5
64°	103.0	103.0	103.0	103.0	102.9	103.0	103.0	103.0	103.0	103.0	103.0
64.5°	100.6	100.6	100.7	100.7	100.6	100.7	100.7	100.6	100.6	100.6	100.7
65°	98.2	98.2	98.3	98.3	98.2	98.3	98.3	98.2	98.2	98.2	98.3
65.5°	95.9	95.8	95.9	95.9	95.7	95.9	95.9	95.8	95.9	95.8	95.9
66°	93.4	93.4	93.5	93.5	93.4	93.5	93.5	93.4	93.4	93.4	93.5

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997149

CATALOG NUMBER: SMX4RLSFS010-800LM-4000K

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
67.5°	86.2	86.2	86.3	86.2	86.1	86.2	86.3	86.2	86.2	86.2	86.3
68°	83.8	83.8	83.8	83.8	83.7	83.8	83.8	83.8	83.8	83.8	83.8
68.5°	81.4	81.3	81.4	81.4	81.3	81.4	81.4	81.3	81.4	81.3	81.4
69°	78.9	78.9	79.0	79.0	78.9	79.0	79.0	78.9	78.9	78.9	79.0
69.5°	76.5	76.5	76.6	76.5	76.5	76.5	76.6	76.5	76.5	76.5	76.6
70°	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.0	74.1	74.1
70.5°	71.7	71.6	71.7	71.7	71.6	71.7	71.7	71.6	71.7	71.6	71.7
71°	69.2	69.2	69.3	69.2	69.2	69.2	69.3	69.2	69.2	69.2	69.3
71.5°	66.8	66.8	66.9	66.8	66.8	66.8	66.9	66.8	66.8	66.8	66.9
72°	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
72.5°	61.9	61.9	62.0	62.0	61.9	62.0	62.0	61.9	61.9	61.9	62.0
73°	59.5	59.5	59.6	59.6	59.5	59.6	59.6	59.5	59.5	59.5	59.6
73.5°	57.1	57.1	57.2	57.2	57.1	57.2	57.2	57.1	57.1	57.1	57.2
74°	54.8	54.7	54.8	54.8	54.7	54.8	54.8	54.7	54.8	54.7	54.8
74.5°	52.3	52.3	52.4	52.4	52.3	52.4	52.4	52.3	52.3	52.3	52.4
75°	50.0	50.0	50.0	50.0	49.9	50.0	50.0	50.0	50.0	50.0	50.0
75.5°	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6	47.6
76°	45.2	45.2	45.2	45.3	45.2	45.3	45.2	45.2	45.2	45.2	45.2
76.5°	42.9	42.8	42.9	42.9	42.9	42.9	42.9	42.8	42.9	42.8	42.9
77°	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6	40.6
77.5°	38.3	38.3	38.4	38.4	38.3	38.4	38.4	38.3	38.3	38.3	38.4
78°	36.0	36.0	36.0	36.1	36.0	36.1	36.0	36.0	36.0	36.0	36.0
78.5°	33.7	33.7	33.8	33.8	33.7	33.8	33.8	33.7	33.7	33.7	33.8
79°	31.5	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.5	31.6	31.6
79.5°	29.2	29.4	29.4	29.5	29.4	29.5	29.4	29.4	29.2	29.4	29.4
80°	27.2	27.2	27.3	27.3	27.2	27.3	27.3	27.2	27.2	27.2	27.3
80.5°	25.1	25.1	25.2	25.2	25.1	25.2	25.2	25.1	25.1	25.1	25.2
81°	23.0	23.0	23.1	23.2	23.1	23.2	23.1	23.0	23.0	23.0	23.1
81.5°	20.9	21.0	21.1	21.2	21.1	21.2	21.1	21.0	20.9	21.0	21.1
82°	19.0	19.0	19.1	19.2	19.2	19.2	19.1	19.0	19.0	19.0	19.1
82.5°	17.1	17.1	17.2	17.3	17.3	17.3	17.2	17.1	17.1	17.1	17.2
83°	15.2	15.3	15.4	15.5	15.5	15.5	15.4	15.3	15.2	15.3	15.4
83.5°	13.4	13.5	13.6	13.7	13.8	13.7	13.6	13.5	13.4	13.5	13.6
84°	11.7	11.8	12.0	12.1	12.2	12.1	12.0	11.8	11.7	11.8	12.0
84.5°	10.1	10.2	10.4	10.6	10.6	10.6	10.4	10.2	10.1	10.2	10.4
85°	8.6	8.7	8.9	9.1	9.0	9.1	8.9	8.7	8.6	8.7	8.9
85.5°	7.3	7.3	7.5	7.6	7.5	7.6	7.5	7.3	7.3	7.3	7.5
86°	6.0	6.0	6.1	6.3	6.3	6.3	6.1	6.0	6.0	6.0	6.1
86.5°	4.8	4.8	5.1	5.2	5.1	5.2	5.1	4.8	4.8	4.8	5.1
87°	3.7	3.8	4.1	4.2	4.1	4.2	4.1	3.8	3.7	3.8	4.1
87.5°	2.8	2.9	3.2	3.4	3.3	3.4	3.2	2.9	2.8	2.9	3.2
88°	2.1	2.2	2.4	2.7	2.5	2.7	2.4	2.2	2.1	2.2	2.4
88.5°	1.4	1.5	1.8	2.0	1.9	2.0	1.8	1.5	1.4	1.5	1.8

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

Scaled Data Report



TEST NUMBER: P997149
CATALOG NUMBER: SMX4RLSFS010-800LM-4000K

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: P997149

CATALOG NUMBER: SMX4RLSFS010-800LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	284.6	284.6	284.6	284.6	284.6	284.6
0.5°	284.7	284.5	284.7	284.8	284.4	284.5
1°	284.6	284.6	284.6	284.6	284.3	284.3
1.5°	284.5	284.4	284.5	284.6	284.3	284.3
2°	284.5	284.3	284.5	284.4	284.1	284.1
2.5°	284.3	284.2	284.3	284.4	284.0	284.1
3°	284.2	284.1	284.2	284.2	283.9	283.9
3.5°	284.0	283.8	284.0	284.0	283.7	283.7
4°	283.9	283.7	283.9	283.8	283.5	283.6
4.5°	283.5	283.4	283.5	283.7	283.3	283.3
5°	283.3	283.2	283.3	283.3	283.1	283.1
5.5°	283.0	282.8	283.0	283.1	282.7	282.8
6°	282.7	282.6	282.7	282.7	282.4	282.4
6.5°	282.4	282.2	282.4	282.5	282.1	282.1
7°	282.1	281.9	282.1	282.0	281.6	281.7
7.5°	281.6	281.4	281.6	281.7	281.3	281.4
8°	281.2	281.1	281.2	281.2	280.9	280.9
8.5°	280.7	280.5	280.7	280.8	280.4	280.5
9°	280.2	280.1	280.2	280.3	279.9	280.1
9.5°	279.8	279.6	279.8	279.8	279.5	279.5
10°	279.2	279.1	279.2	279.2	278.9	279.0
10.5°	278.7	278.4	278.7	278.7	278.4	278.5
11°	278.1	278.0	278.1	278.1	277.8	277.7
11.5°	277.5	277.3	277.5	277.5	277.2	277.2
12°	276.9	276.8	276.9	276.9	276.5	276.6
12.5°	276.2	276.0	276.2	276.2	275.9	275.9
13°	275.5	275.4	275.5	275.5	275.2	275.3
13.5°	274.8	274.6	274.8	274.8	274.5	274.6
14°	274.1	274.0	274.1	274.0	273.8	273.8
14.5°	273.3	273.1	273.3	273.4	273.0	273.1
15°	272.5	272.4	272.5	272.5	272.2	272.3
15.5°	271.7	271.4	271.7	271.7	271.4	271.5
16°	270.9	270.8	270.9	270.9	270.6	270.6
16.5°	270.0	269.8	270.0	270.1	269.7	269.8
17°	269.1	269.0	269.1	269.1	268.9	268.9
17.5°	268.2	268.0	268.2	268.3	267.9	268.0
18°	267.3	267.2	267.3	267.3	267.0	267.1
18.5°	266.3	266.0	266.3	266.4	266.0	266.2
19°	265.3	265.2	265.3	265.3	265.1	265.1
19.5°	264.3	264.1	264.3	264.4	264.1	264.2
20°	263.2	263.1	263.2	263.3	263.0	263.1
20.5°	262.3	262.1	262.3	262.4	262.0	262.1
21°	261.1	261.0	261.1	261.2	260.9	261.0

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997149

CATALOG NUMBER: SMX4RLSFS010-800LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
22.5°	257.8	257.5	257.8	257.9	257.5	257.7
23°	256.6	256.5	256.6	256.7	256.4	256.4
23.5°	255.5	255.2	255.5	255.6	255.2	255.3
24°	254.2	254.1	254.2	254.3	254.0	254.0
24.5°	253.0	252.7	253.0	253.1	252.7	252.8
25°	251.7	251.6	251.7	251.8	251.5	251.6
25.5°	250.5	250.3	250.5	250.5	250.2	250.4
26°	249.2	249.0	249.2	249.2	248.9	249.0
26.5°	247.8	247.6	247.8	248.0	247.6	247.7
27°	246.5	246.4	246.5	246.5	246.3	246.3
27.5°	245.2	244.9	245.2	245.2	244.8	245.0
28°	243.7	243.7	243.7	243.8	243.5	243.6
28.5°	242.4	242.2	242.4	242.4	242.1	242.3
29°	240.9	240.8	240.9	241.0	240.7	240.8
29.5°	239.6	239.3	239.6	239.6	239.3	239.4
30°	238.0	237.9	238.0	238.1	237.9	237.9
30.5°	236.6	236.4	236.6	236.7	236.3	236.4
31°	235.1	234.9	235.1	235.1	234.9	234.9
31.5°	233.6	233.3	233.6	233.7	233.3	233.5
32°	232.0	231.9	232.0	232.1	231.8	231.8
32.5°	230.5	230.3	230.5	230.6	230.2	230.4
33°	228.9	228.8	228.9	229.0	228.7	228.8
33.5°	227.3	227.1	227.3	227.4	227.1	227.2
34°	225.7	225.6	225.7	225.8	225.5	225.6
34.5°	224.1	223.8	224.1	224.2	223.9	224.0
35°	222.4	222.4	222.4	222.5	222.2	222.3
35.5°	220.8	220.6	220.8	220.9	220.6	220.7
36°	219.1	219.0	219.1	219.2	218.9	219.0
36.5°	217.4	217.2	217.4	217.6	217.2	217.3
37°	215.7	215.6	215.7	215.8	215.5	215.6
37.5°	214.0	213.8	214.0	214.1	213.8	213.9
38°	212.2	212.1	212.2	212.3	212.0	212.1
38.5°	210.5	210.3	210.5	210.6	210.3	210.4
39°	208.7	208.6	208.7	208.8	208.6	208.6
39.5°	207.0	206.7	207.0	207.0	206.7	206.8
40°	205.1	205.0	205.1	205.1	204.9	205.0
40.5°	203.3	203.1	203.3	203.4	203.1	203.2
41°	201.5	201.3	201.5	201.5	201.3	201.3
41.5°	199.6	199.4	199.6	199.7	199.4	199.5
42°	197.7	197.6	197.7	197.8	197.6	197.7
42.5°	195.9	195.7	195.9	196.0	195.7	195.8
43°	194.0	193.9	194.0	194.0	193.8	193.9
43.5°	192.0	191.8	192.0	192.1	191.9	192.0

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997149

CATALOG NUMBER: SMX4RLSFS010-800LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
45°	186.2	186.1	186.2	186.3	186.1	186.1
45.5°	184.3	184.1	184.3	184.4	184.1	184.2
46°	182.3	182.2	182.3	182.3	182.1	182.2
46.5°	180.3	180.1	180.3	180.4	180.1	180.2
47°	178.3	178.2	178.3	178.3	178.1	178.2
47.5°	176.3	176.0	176.3	176.3	176.1	176.2
48°	174.2	174.1	174.2	174.3	174.1	174.2
48.5°	172.2	172.0	172.2	172.2	172.0	172.1
49°	170.1	170.0	170.1	170.2	170.0	170.1
49.5°	168.1	167.9	168.1	168.1	167.9	167.9
50°	165.9	165.9	165.9	166.0	165.8	165.9
50.5°	163.9	163.7	163.9	163.9	163.7	163.8
51°	161.7	161.7	161.7	161.8	161.6	161.7
51.5°	159.6	159.5	159.6	159.7	159.5	159.6
52°	157.5	157.4	157.5	157.6	157.4	157.4
52.5°	155.4	155.2	155.4	155.4	155.2	155.3
53°	153.2	153.1	153.2	153.2	153.1	153.2
53.5°	151.0	150.8	151.0	151.1	150.9	151.0
54°	148.8	148.8	148.8	148.9	148.7	148.8
54.5°	146.6	146.5	146.6	146.7	146.6	146.6
55°	144.5	144.4	144.5	144.5	144.3	144.4
55.5°	142.2	142.1	142.2	142.3	142.1	142.2
56°	140.0	139.9	140.0	140.0	139.9	140.0
56.5°	137.8	137.6	137.8	137.9	137.7	137.7
57°	135.5	135.4	135.5	135.6	135.4	135.4
57.5°	133.3	133.1	133.3	133.3	133.2	133.2
58°	131.0	130.9	131.0	131.1	130.9	130.9
58.5°	128.7	128.6	128.7	128.8	128.7	128.7
59°	126.4	126.4	126.4	126.5	126.3	126.4
59.5°	124.1	124.0	124.1	124.2	124.1	124.1
60°	121.8	121.7	121.8	121.9	121.7	121.8
60.5°	119.5	119.4	119.5	119.6	119.5	119.5
61°	117.2	117.1	117.2	117.2	117.1	117.1
61.5°	114.9	114.7	114.9	114.9	114.8	114.9
62°	112.5	112.5	112.5	112.5	112.4	112.4
62.5°	110.1	110.0	110.1	110.2	110.1	110.1
63°	107.8	107.7	107.8	107.8	107.7	107.7
63.5°	105.4	105.3	105.4	105.5	105.4	105.4
64°	103.0	102.9	103.0	103.0	103.0	103.0
64.5°	100.7	100.6	100.7	100.7	100.6	100.6
65°	98.3	98.2	98.3	98.3	98.2	98.2
65.5°	95.9	95.7	95.9	95.9	95.8	95.9
66°	93.5	93.4	93.5	93.5	93.4	93.4

Cooper Lighting Solutions Photometric Lab

1121 Highway 74 South

Peachtree City, GA 30269



TEST NUMBER: P997149

CATALOG NUMBER: SMX4RLSFS010-800LM-4000K

CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
67.5°	86.2	86.1	86.2	86.3	86.2	86.2
68°	83.8	83.7	83.8	83.8	83.8	83.8
68.5°	81.4	81.3	81.4	81.4	81.3	81.4
69°	79.0	78.9	79.0	79.0	78.9	78.9
69.5°	76.5	76.5	76.5	76.6	76.5	76.5
70°	74.1	74.1	74.1	74.1	74.1	74.0
70.5°	71.7	71.6	71.7	71.7	71.6	71.7
71°	69.2	69.2	69.2	69.3	69.2	69.2
71.5°	66.8	66.8	66.8	66.9	66.8	66.8
72°	64.4	64.4	64.4	64.4	64.4	64.4
72.5°	62.0	61.9	62.0	62.0	61.9	61.9
73°	59.6	59.5	59.6	59.6	59.5	59.5
73.5°	57.2	57.1	57.2	57.2	57.1	57.1
74°	54.8	54.7	54.8	54.8	54.7	54.8
74.5°	52.4	52.3	52.4	52.4	52.3	52.3
75°	50.0	49.9	50.0	50.0	50.0	50.0
75.5°	47.6	47.6	47.6	47.6	47.6	47.6
76°	45.3	45.2	45.3	45.2	45.2	45.2
76.5°	42.9	42.9	42.9	42.9	42.8	42.9
77°	40.6	40.6	40.6	40.6	40.6	40.6
77.5°	38.4	38.3	38.4	38.4	38.3	38.3
78°	36.1	36.0	36.1	36.0	36.0	36.0
78.5°	33.8	33.7	33.8	33.8	33.7	33.7
79°	31.6	31.6	31.6	31.6	31.6	31.5
79.5°	29.5	29.4	29.5	29.4	29.4	29.2
80°	27.3	27.2	27.3	27.3	27.2	27.2
80.5°	25.2	25.1	25.2	25.2	25.1	25.1
81°	23.2	23.1	23.2	23.1	23.0	23.0
81.5°	21.2	21.1	21.2	21.1	21.0	20.9
82°	19.2	19.2	19.2	19.1	19.0	19.0
82.5°	17.3	17.3	17.3	17.2	17.1	17.1
83°	15.5	15.5	15.5	15.4	15.3	15.2
83.5°	13.7	13.8	13.7	13.6	13.5	13.4
84°	12.1	12.2	12.1	12.0	11.8	11.7
84.5°	10.6	10.6	10.6	10.4	10.2	10.1
85°	9.1	9.0	9.1	8.9	8.7	8.6
85.5°	7.6	7.5	7.6	7.5	7.3	7.3
86°	6.3	6.3	6.3	6.1	6.0	6.0
86.5°	5.2	5.1	5.2	5.1	4.8	4.8
87°	4.2	4.1	4.2	4.1	3.8	3.7
87.5°	3.4	3.3	3.4	3.2	2.9	2.8
88°	2.7	2.5	2.7	2.4	2.2	2.1
88.5°	2.0	1.9	2.0	1.8	1.5	1.4

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Scaled Data Report



TEST NUMBER: P997149
CATALOG NUMBER: SMX4RLSFS010-800LM-4000K

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

Cooper Lighting Solutions Photometric Lab

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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°	259.9	259.8	260.2	260.1	259.9	260.1	260.2	259.8	259.9	259.8	260.2
22°	258.7	258.7	259.0	258.9	258.8	258.9	259.0	258.7	258.7	258.7	259.0



44°	190.0	190.0	190.2	190.1	190.0	190.1	190.2	190.0	190.0	190.0	190.2
44.5°	188.2	188.0	188.3	188.2	188.0	188.2	188.3	188.0	188.2	188.0	188.3

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66.5°	91.0	91.0	91.1	91.1	90.9	91.1	91.1	91.0	91.0	91.0	91.1
67°	88.6	88.6	88.7	88.6	88.6	88.6	88.7	88.6	88.6	88.6	88.7



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°	260.1	259.9	260.1	260.2	259.8	259.9
22°	258.9	258.8	258.9	259.0	258.7	258.7

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44°	190.1	190.0	190.1	190.2	190.0	190.0
44.5°	188.2	188.0	188.2	188.3	188.0	188.2

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66.5°	91.1	90.9	91.1	91.1	91.0	91.0
67°	88.6	88.6	88.6	88.7	88.6	88.6

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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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(END OF REPORT)