

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P855680

Luminaire Tested: **14SFS-L3C4-UNV-LOW-3500K**

Issue Date: 7/17/2024



Test Information

Test Method: LM-79-08
Report Number: P855680
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (BL231218003-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14SFS-L3C4-UNV-LOW-3500K
Description: 1x4 Surround Frame Selectable - Architectural Slim LED Frame with,
LOW Lumen and 3500K CCT Settings
Light Source: -
Ballast/Driver: -

Summary

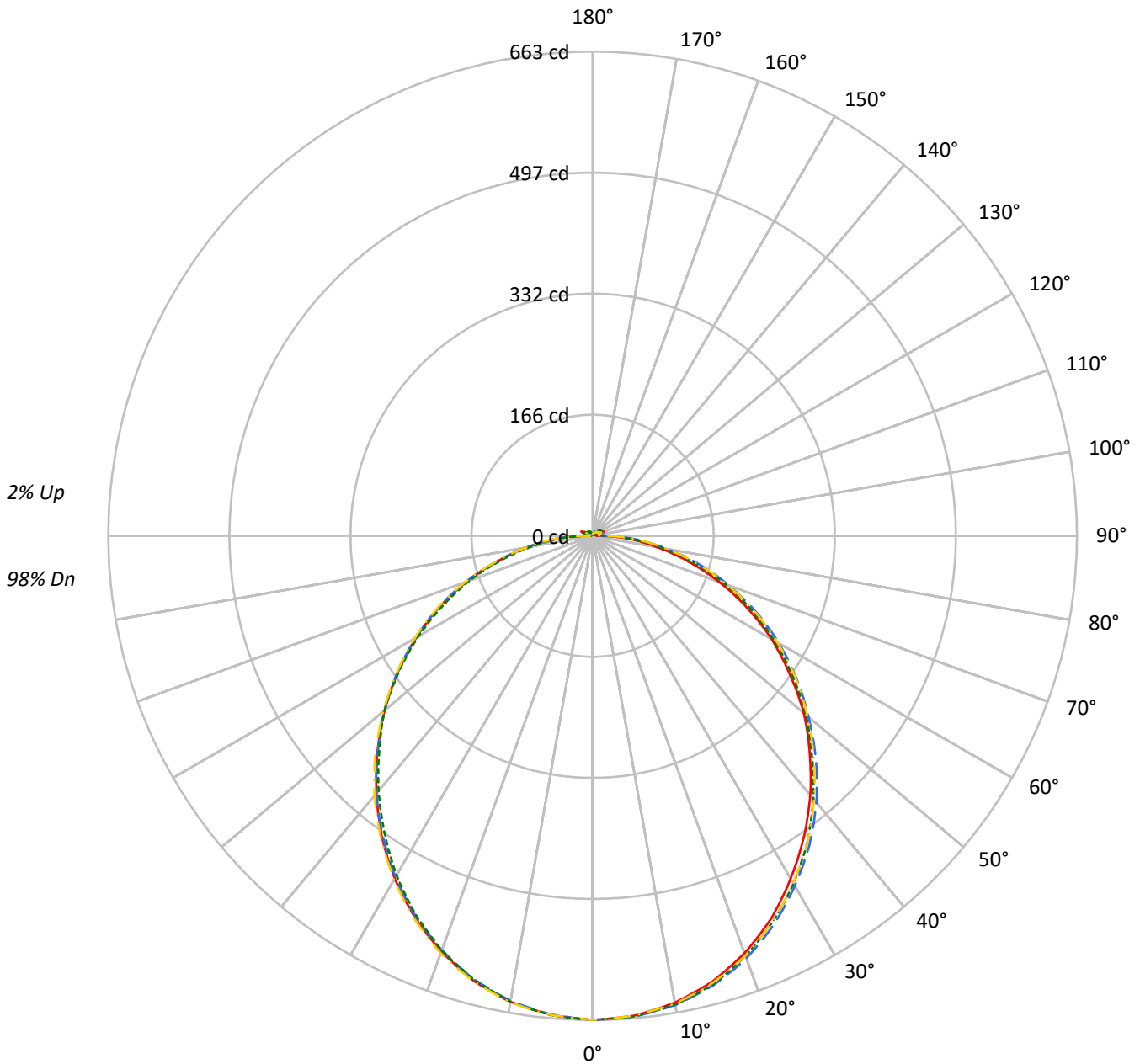
Lumens per Lamp: N/A
Luminaire Lumens: 1934.0 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.35
Luminous Opening: Rectangular (W 0.92' x L: 3.9' x H: 0')
CIE Type: Direct

Input Watts (W): 15
Input Voltage (V): NR
Input Current (A_{in}): 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				20
RC	80				70				50				30				10				0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																					
0	118	118	118	118	115	115	115	115	110	110	110	105	105	105	100	100	100				98
1	108	103	98	94	105	100	96	92	95	92	89	91	88	86	87	85	83				80
2	98	89	82	76	95	87	80	75	83	78	73	79	75	71	76	72	69				67
3	89	78	70	63	86	76	69	62	73	66	61	70	64	59	67	62	58				56
4	81	69	60	53	79	68	59	53	65	57	52	62	56	51	60	54	50				48
5	75	62	53	46	72	60	52	45	58	50	45	56	49	44	54	48	43				41
6	69	56	46	40	67	54	46	40	52	45	39	50	44	39	49	43	38				36
7	64	50	41	35	62	49	41	35	48	40	35	46	39	34	44	38	34				32
8	60	46	37	31	58	45	37	31	44	36	31	42	35	31	41	35	30				28
9	56	42	34	28	54	41	34	28	40	33	28	39	32	28	38	32	27				25
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	35	29	25				23

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	1989	1989	1989	1989
5°	1987	1990	1984	1985
10°	1978	1986	1975	1974
15°	1964	1977	1960	1954
20°	1942	1955	1934	1929
25°	1916	1932	1909	1896
30°	1879	1907	1878	1861
35°	1847	1878	1843	1820
40°	1816	1842	1804	1787
45°	1784	1802	1768	1752
50°	1763	1779	1734	1736
55°	1721	1749	1702	1693
60°	1698	1725	1673	1652
65°	1656	1705	1648	1604
70°	1615	1688	1608	1570
75°	1567	1670	1561	1499
80°	1540	1671	1576	1452
85°	1780	1925	1732	1629



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.6	3.2
10°-20°	178.3	9.2
20°-30°	267.0	13.8
30°-40°	317.3	16.4
40°-50°	325.7	16.8
50°-60°	296.4	15.3
60°-70°	234.3	12.1
70°-80°	148.7	7.7
80°-90°	58.3	3.0
90°-100°	6.4	0.3
100°-110°	11.7	0.6
110°-120°	10.9	0.6
120°-130°	6.6	0.3
130°-140°	4.4	0.2
140°-150°	3.0	0.2
150°-160°	1.8	0.1
160°-170°	0.7	0.0
170°-180°	0.2	0.0
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0°-30°	507.9	26.3
0°-40°	825.1	42.7
0°-60°	1447.3	74.8
0°-90°	1888.5	97.6
90°-120°	29.0	1.5
90°-150°	42.9	2.2
90°-180°	46.0	2.4
0°-180°	1934.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	663	663	663	663	663	
5°	660	661	658	659	660	63
15°	632	636	631	629	632	178
25°	579	583	576	573	579	266
35°	504	512	503	497	504	316
45°	420	425	417	413	420	325
55°	329	334	325	324	329	295
65°	233	240	232	226	233	231
75°	135	144	135	129	135	143
85°	52	56	50	47	52	49
90°	6	19	4	4	6	10
95°	5	6	2	2	5	4
105°	14	14	12	13	14	13
115°	15	14	12	11	15	14
125°	4	13	4	10	4	5
135°	2	11	1	8	2	1
145°	2	8	2	6	2	1
155°	2	6	2	6	2	1
165°	2	3	2	3	2	0
175°	2	2	2	2	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	662.9	662.9	662.9	662.9	662.9	662.9	662.9	662.9	662.9	662.9	662.9
5°	659.6	657.2	660.8	662.3	660.7	658.1	659.4	660.4	658.4	655.8	658.0
10°	649.1	648.3	652.4	654.1	651.6	649.6	650.4	651.1	648.1	644.8	646.8
15°	632.2	632.2	637.4	638.6	636.2	633.4	634.1	634.2	630.7	627.2	628.6
20°	608.2	609.9	615.8	617.3	612.2	611.2	611.9	610.6	605.7	604.2	603.9
25°	578.6	581.2	587.4	589.7	583.3	583.6	583.2	581.3	576.4	574.6	574.5
30°	542.3	549.1	553.9	556.4	550.3	551.2	549.4	548.1	542.0	539.7	539.7
35°	504.2	510.1	517.4	518.4	512.5	512.3	512.7	509.5	502.9	500.9	500.9
40°	463.6	469.8	476.5	478.2	470.1	470.9	471.7	467.1	460.5	460.0	460.8
45°	420.3	425.9	432.2	433.6	424.6	428.6	428.4	423.3	416.6	416.1	415.5
50°	377.5	381.5	385.9	388.4	381.1	383.1	383.7	380.1	371.4	372.3	372.3
55°	329.0	335.6	340.6	342.6	334.2	336.5	339.2	334.2	325.2	325.3	326.2
60°	282.9	287.8	294.4	297.1	287.4	291.2	292.0	287.2	278.8	278.9	279.2
65°	233.2	238.6	246.9	248.3	240.1	244.2	244.3	240.8	232.1	231.8	233.2
70°	184.1	192.1	198.1	198.7	192.4	195.1	196.1	193.6	183.3	184.5	184.6
75°	135.1	144.1	151.2	150.1	144.0	148.6	148.9	143.1	134.6	136.9	136.5
80°	89.1	98.0	102.8	102.6	96.7	102.1	102.5	96.7	91.2	91.9	91.2
85°	51.7	57.7	62.8	63.0	55.9	60.2	61.1	57.3	50.3	52.6	53.2
90°	6.4	10.9	15.8	22.3	18.8	17.8	16.6	9.0	4.4	4.0	3.9
95°	5.0	4.8	4.2	5.6	5.7	4.8	2.9	2.5	2.2	2.6	2.6
100°	4.4	4.3	6.7	5.7	4.2	7.6	4.1	2.2	2.0	2.6	10.8
105°	14.0	13.5	14.3	11.4	13.5	11.7	12.1	11.9	12.4	13.2	13.0
110°	15.8	14.7	14.1	12.7	14.5	11.4	12.2	13.8	16.6	13.1	10.1
115°	14.9	14.0	10.8	12.5	14.0	11.8	11.4	11.7	12.3	10.2	6.3
120°	9.8	9.5	8.0	11.6	13.1	11.3	8.1	9.5	8.9	7.7	4.7
125°	4.4	4.9	8.0	11.3	12.7	10.5	8.2	5.0	3.6	4.6	4.7
130°	1.7	4.6	7.6	10.8	12.3	10.1	7.9	4.1	1.5	4.4	4.8
135°	1.8	4.5	6.8	10.0	10.9	8.8	6.6	4.0	1.4	4.2	4.2
140°	1.7	4.1	5.7	7.6	9.0	7.4	5.8	3.6	1.5	3.9	5.6
145°	1.8	3.8	5.1	6.4	7.7	6.5	5.9	3.3	1.6	3.4	6.0
150°	1.8	3.5	4.6	6.0	6.6	5.6	5.2	3.0	1.6	3.1	5.3
155°	1.7	3.1	4.3	5.3	6.1	5.0	4.3	2.9	1.6	2.7	4.1
160°	1.8	2.6	3.3	4.2	3.2	4.0	3.1	2.4	1.5	2.3	3.2
165°	1.8	2.2	2.5	2.7	2.8	2.2	2.4	2.0	1.7	2.0	2.7
170°	1.6	2.0	2.1	2.2	2.9	2.1	2.1	1.8	1.6	1.8	2.2
175°	2.0	2.1	2.0	2.3	2.4	2.2	2.0	1.8	1.6	1.5	1.7
180°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9



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CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	662.9	662.9	662.9	662.9	662.9	662.9
5°	659.1	659.0	656.3	658.6	659.8	659.6
10°	647.2	647.7	645.0	648.7	650.0	649.1
15°	628.4	628.9	627.3	631.4	633.1	632.2
20°	604.4	604.0	603.8	608.2	609.4	608.2
25°	574.0	572.6	574.0	578.4	580.2	578.6
30°	538.4	536.9	539.6	543.8	546.8	542.3
35°	498.4	496.7	502.0	505.2	507.7	504.2
40°	456.9	456.0	460.1	464.7	465.0	463.6
45°	412.7	412.7	414.5	420.2	419.8	420.3
50°	368.4	371.8	370.5	373.8	376.1	377.5
55°	324.0	323.6	326.2	327.5	330.1	329.0
60°	276.7	275.3	278.4	281.4	282.5	282.9
65°	228.9	225.8	229.1	234.7	233.8	233.2
70°	179.7	178.9	181.1	185.8	185.4	184.1
75°	132.8	129.3	134.8	137.6	137.0	135.1
80°	87.1	84.0	89.4	91.6	91.4	89.1
85°	49.7	47.3	50.8	53.6	53.8	51.7
90°	3.5	3.6	4.3	5.4	5.8	6.4
95°	5.3	1.7	4.1	3.4	4.7	5.0
100°	10.5	8.8	9.9	9.7	4.5	4.4
105°	10.4	12.8	10.9	13.5	13.9	14.0
110°	9.0	11.5	9.4	11.6	13.3	15.8
115°	8.1	10.6	8.9	8.4	12.2	14.9
120°	8.0	10.2	8.1	5.4	8.4	9.8
125°	7.6	9.6	7.6	5.2	4.1	4.4
130°	6.7	9.0	6.7	4.7	3.6	1.7
135°	5.9	7.8	5.2	4.2	3.4	1.8
140°	4.9	7.6	4.7	4.8	3.2	1.7
145°	5.7	6.4	5.8	4.8	3.1	1.8
150°	5.8	6.3	5.7	4.5	2.8	1.8
155°	4.7	5.6	3.8	3.6	2.4	1.7
160°	3.5	3.1	3.2	3.1	2.3	1.8
165°	2.8	2.8	2.7	2.7	2.0	1.8
170°	2.6	2.7	2.6	2.2	1.9	1.6
175°	1.9	2.3	2.0	2.0	2.0	2.0
180°	1.9	1.9	1.9	1.9	1.9	1.9



Report Generated By 670246072 / DESKTOP-50001EG





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









(END OF REPORT)