

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: P855670

Luminaire Tested: **14SFS-L3C4-NUV-LOW-5000K**

Issue Date: 7/17/2024

Test Information

Test Method: LM-79-08
Report Number: P855670
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-NUV-LOW-5000K
Description: 1x4 Surround Frame Selectable - Architectural Slim LED Frame with,
LOW Lumen and 5000K CCT Settings
Light Source: -
Ballast/Driver: -

Summary

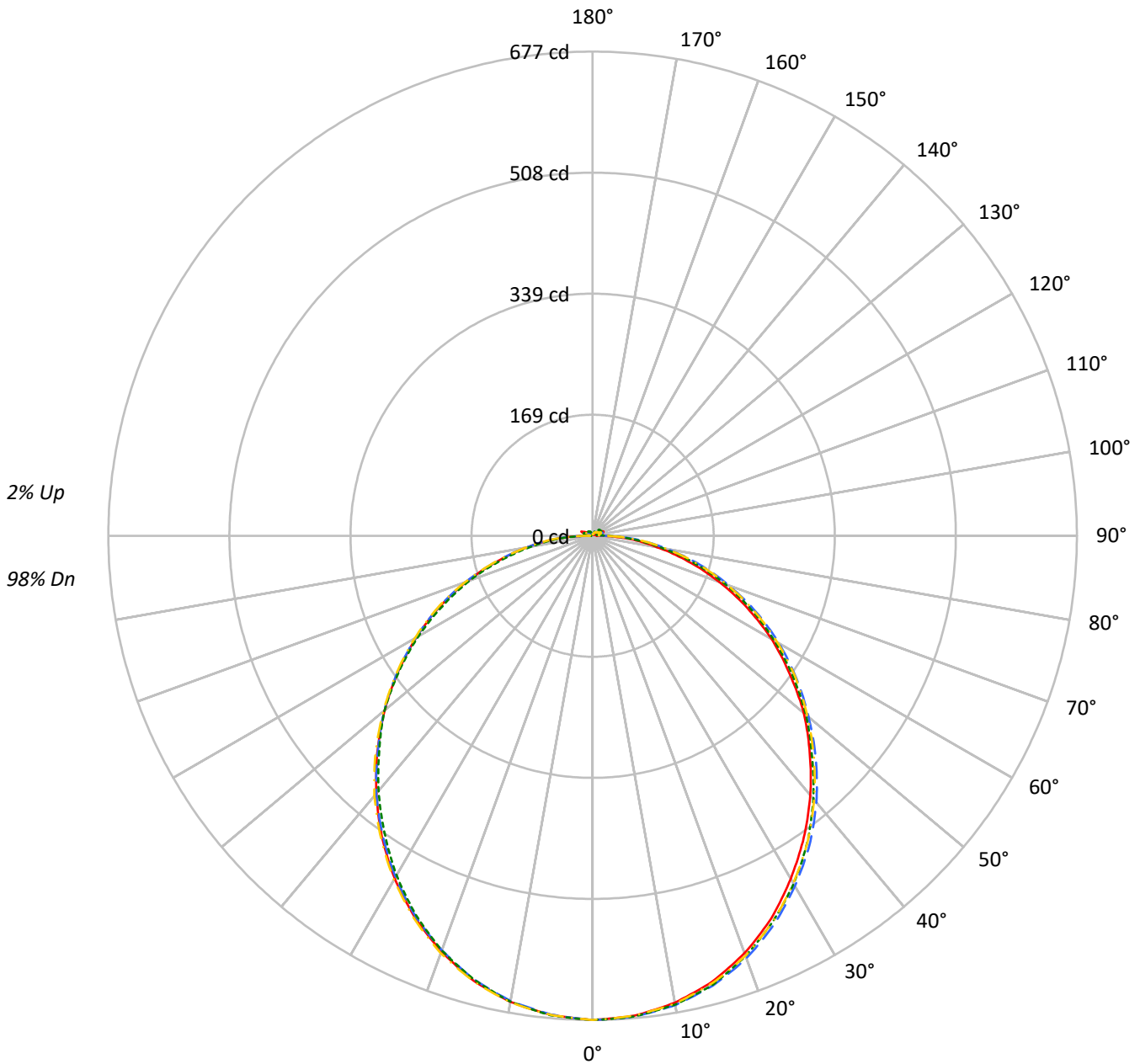
Lumens per Lamp: N/A
Luminaire Lumens: 1975.0 lumens
Efficiency: N/A
Efficacy: 131.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.35
Luminous Opening: Rectangular (W 0.92' x L: 3.9' x H: 0')
CIE Type: Direct

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°	2032	2032	2032	2032
5°	2029	2033	2025	2028
10°	2020	2028	2017	2016
15°	2006	2019	2001	1995
20°	1984	1997	1975	1970
25°	1956	1972	1949	1937
30°	1919	1948	1918	1900
35°	1886	1918	1882	1858
40°	1855	1881	1843	1824
45°	1822	1840	1806	1789
50°	1800	1817	1771	1773
55°	1758	1786	1738	1729
60°	1734	1762	1709	1688
65°	1692	1741	1683	1638
70°	1650	1724	1643	1603
75°	1600	1705	1593	1531
80°	1573	1706	1609	1481
85°	1818	1966	1770	1663



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.9	3.2
10°-20°	182.0	9.2
20°-30°	272.7	13.8
30°-40°	324.0	16.4
40°-50°	332.6	16.8
50°-60°	302.7	15.3
60°-70°	239.2	12.1
70°-80°	151.8	7.7
80°-90°	59.5	3.0
90°-100°	6.5	0.3
100°-110°	11.9	0.6
110°-120°	11.1	0.6
120°-130°	6.7	0.3
130°-140°	4.5	0.2
140°-150°	3.1	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°	518.6	26.3
0°-40°	842.6	42.7
0°-60°	1478.0	74.8
0°-90°	1928.5	97.6
90°-120°	29.6	1.5
90°-150°	43.8	2.2
90°-180°	47.0	2.4
0°-180°	1975.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	677	677	677	677	677	
5°	674	675	672	673	674	64
15°	646	650	644	642	646	182
25°	591	596	589	585	591	272
35°	515	523	514	507	515	322
45°	429	434	425	422	429	332
55°	336	341	332	330	336	301
65°	238	245	237	231	238	236
75°	138	147	137	132	138	146
85°	53	57	51	48	53	50
90°	6	19	4	4	6	10
95°	5	6	2	2	5	4
105°	14	14	13	13	14	13
115°	15	14	13	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°	677.0	677.0	677.0	677.0	677.0	677.0	677.0	677.0	677.0	677.0	677.0
5°	673.6	671.2	674.8	676.4	674.7	672.0	673.4	674.4	672.3	669.7	671.9
10°	662.9	662.0	666.3	668.0	665.4	663.4	664.1	664.9	661.8	658.5	660.5
15°	645.6	645.6	650.9	652.1	649.7	646.8	647.5	647.7	644.0	640.5	641.9
20°	621.1	622.9	628.8	630.4	625.2	624.1	624.9	623.5	618.5	617.0	616.7
25°	590.8	593.5	599.9	602.2	595.6	595.9	595.5	593.6	588.6	586.8	586.7
30°	553.8	560.7	565.6	568.2	562.0	562.9	561.1	559.7	553.5	551.2	551.2
35°	514.9	521.0	528.4	529.4	523.4	523.2	523.6	520.3	513.6	511.5	511.5
40°	473.4	479.8	486.6	488.3	480.1	480.8	481.7	477.0	470.3	469.8	470.5
45°	429.2	434.9	441.4	442.8	433.6	437.7	437.4	432.2	425.4	424.9	424.4
50°	385.5	389.6	394.0	396.6	389.1	391.3	391.8	388.2	379.3	380.2	380.2
55°	336.0	342.8	347.9	349.9	341.3	343.6	346.4	341.3	332.1	332.2	333.1
60°	288.9	293.9	300.6	303.4	293.5	297.3	298.2	293.3	284.7	284.8	285.1
65°	238.2	243.6	252.1	253.6	245.2	249.4	249.5	246.0	237.0	236.7	238.2
70°	188.0	196.2	202.3	202.9	196.5	199.3	200.2	197.7	187.2	188.4	188.5
75°	138.0	147.1	154.4	153.3	147.0	151.7	152.0	146.2	137.4	139.8	139.4
80°	91.0	100.1	105.0	104.8	98.7	104.3	104.7	98.7	93.1	93.8	93.1
85°	52.8	58.9	64.1	64.4	57.1	61.5	62.4	58.5	51.4	53.7	54.4
90°	6.5	11.2	16.2	22.8	19.1	18.2	16.9	9.1	4.5	4.0	3.9
95°	5.1	4.9	4.3	5.7	5.9	4.9	3.0	2.6	2.2	2.7	2.7
100°	4.5	4.4	6.8	5.9	4.3	7.8	4.1	2.2	2.0	2.7	11.1
105°	14.3	13.8	14.6	11.6	13.8	11.9	12.3	12.1	12.7	13.5	13.3
110°	16.2	15.0	14.4	13.0	14.8	11.6	12.4	14.0	16.9	13.4	10.3
115°	15.2	14.3	11.1	12.8	14.3	12.0	11.6	11.9	12.6	10.4	6.4
120°	10.0	9.7	8.2	11.8	13.4	11.5	8.3	9.7	9.0	7.9	4.8
125°	4.5	5.0	8.2	11.5	13.0	10.7	8.4	5.1	3.7	4.7	4.8
130°	1.7	4.7	7.8	11.1	12.6	10.3	8.1	4.1	1.5	4.5	4.9
135°	1.8	4.6	6.9	10.2	11.2	8.9	6.7	4.0	1.4	4.3	4.3
140°	1.7	4.1	5.9	7.8	9.1	7.6	6.0	3.7	1.5	3.9	5.7
145°	1.8	3.8	5.2	6.5	7.9	6.6	6.1	3.4	1.6	3.5	6.2
150°	1.8	3.6	4.7	6.2	6.7	5.7	5.3	3.1	1.6	3.2	5.4
155°	1.7	3.2	4.4	5.4	6.3	5.1	4.4	3.0	1.6	2.8	4.1
160°	1.8	2.7	3.4	4.3	3.3	4.0	3.2	2.4	1.5	2.3	3.3
165°	1.8	2.2	2.6	2.8	2.9	2.2	2.4	2.0	1.7	2.0	2.8
170°	1.6	2.0	2.1	2.2	3.0	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°	677.0	677.0	677.0	677.0	677.0	677.0
5°	673.1	673.0	670.2	672.5	673.8	673.6
10°	660.9	661.5	658.7	662.4	663.8	662.9
15°	641.7	642.2	640.6	644.8	646.5	645.6
20°	617.2	616.8	616.6	621.1	622.3	621.1
25°	586.2	584.8	586.2	590.6	592.5	590.8
30°	549.8	548.3	551.1	555.3	558.4	553.8
35°	508.9	507.2	512.7	516.0	518.5	514.9
40°	466.6	465.6	469.9	474.6	474.9	473.4
45°	421.5	421.5	423.3	429.1	428.7	429.2
50°	376.2	379.7	378.4	381.7	384.0	385.5
55°	330.8	330.4	333.1	334.5	337.1	336.0
60°	282.5	281.2	284.3	287.3	288.5	288.9
65°	233.7	230.6	233.9	239.7	238.7	238.2
70°	183.5	182.7	184.9	189.8	189.4	188.0
75°	135.6	132.0	137.7	140.5	139.9	138.0
80°	88.9	85.7	91.3	93.5	93.3	91.0
85°	50.7	48.3	51.9	54.8	54.9	52.8
90°	3.6	3.7	4.4	5.5	6.0	6.5
95°	5.4	1.7	4.1	3.5	4.8	5.1
100°	10.7	8.9	10.1	9.9	4.6	4.5
105°	10.6	13.1	11.2	13.8	14.1	14.3
110°	9.1	11.7	9.6	11.8	13.6	16.2
115°	8.3	10.9	9.0	8.6	12.4	15.2
120°	8.2	10.4	8.3	5.5	8.6	10.0
125°	7.8	9.8	7.8	5.3	4.1	4.5
130°	6.8	9.1	6.8	4.8	3.7	1.7
135°	6.1	8.0	5.3	4.3	3.5	1.8
140°	5.0	7.8	4.8	4.9	3.3	1.7
145°	5.9	6.5	6.0	4.9	3.2	1.8
150°	6.0	6.4	5.9	4.6	2.9	1.8
155°	4.8	5.7	3.8	3.7	2.4	1.7
160°	3.6	3.2	3.3	3.2	2.3	1.8
165°	2.9	2.9	2.8	2.8	2.0	1.8
170°	2.7	2.8	2.7	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)