

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: P855665

Luminaire Tested: **14SFS-L3C4-NUV-HIGH-4000K**

Issue Date: 7/17/2024

Test Information

Test Method: LM-79-08
Report Number: P855665
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-HIGH-4000K
Description: 1x4 Surround Frame Selectable - Architectural Slim LED Frame with,
HIGH Lumen and 4000K CCT Settings
Light Source: -
Ballast/Driver: -

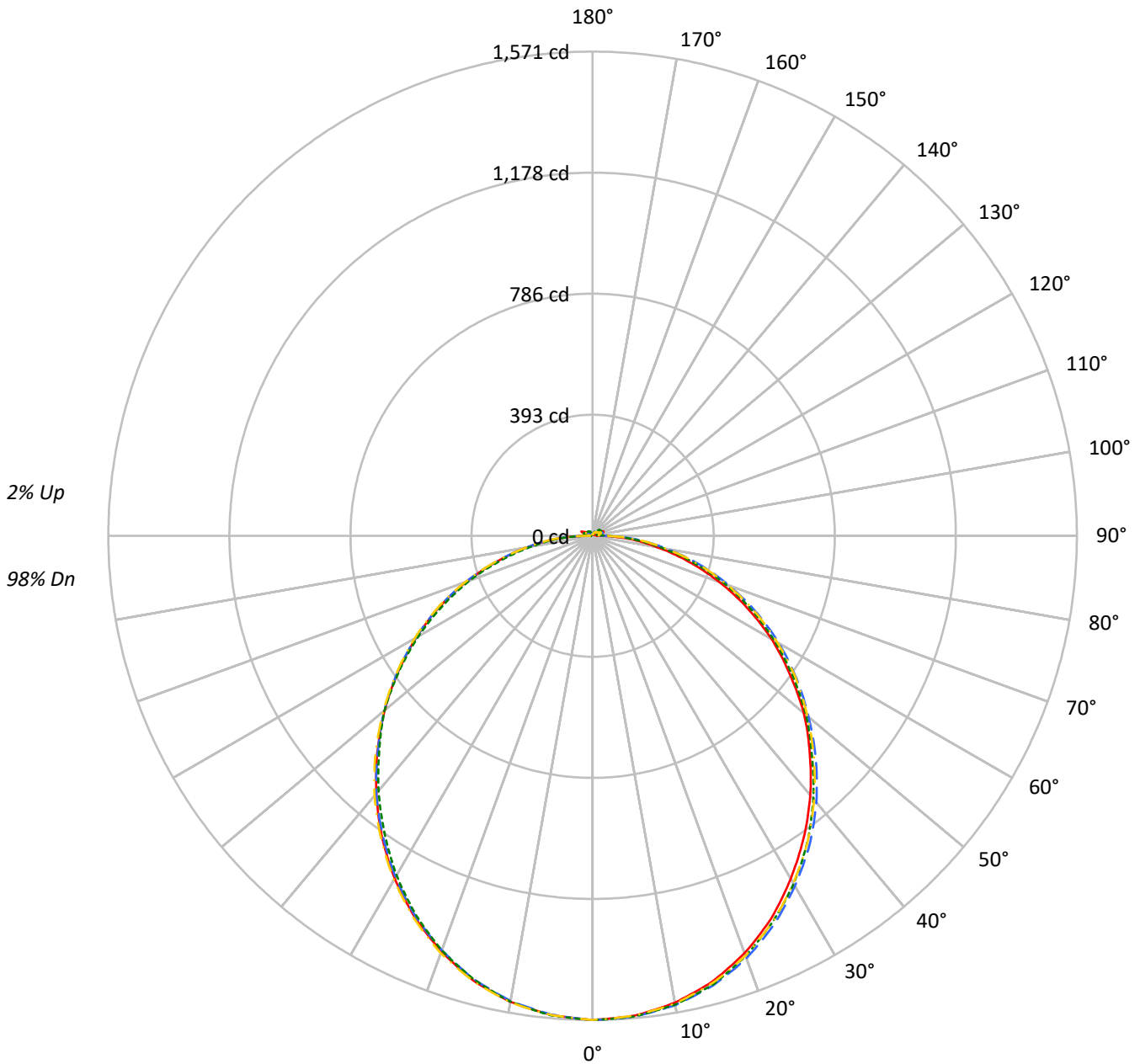
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4583.0 lumens
Efficiency: N/A
Efficacy: 127.3 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): 36
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°	4715	4715	4715	4715
5°	4709	4717	4700	4705
10°	4688	4706	4680	4678
15°	4655	4684	4644	4630
20°	4603	4634	4584	4571
25°	4540	4577	4523	4494
30°	4454	4520	4451	4409
35°	4377	4450	4367	4312
40°	4304	4365	4276	4233
45°	4228	4271	4190	4151
50°	4177	4216	4109	4113
55°	4079	4144	4033	4012
60°	4025	4088	3965	3916
65°	3925	4041	3906	3801
70°	3828	4000	3813	3720
75°	3713	3956	3698	3553
80°	3648	3960	3733	3439
85°	4215	4566	4105	3860



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.3	3.2
10°-20°	422.4	9.2
20°-30°	632.7	13.8
30°-40°	751.9	16.4
40°-50°	771.9	16.8
50°-60°	702.4	15.3
60°-70°	555.2	12.1
70°-80°	352.3	7.7
80°-90°	138.1	3.0
90°-100°	15.1	0.3
100°-110°	27.6	0.6
110°-120°	25.8	0.6
120°-130°	15.5	0.3
130°-140°	10.4	0.2
140°-150°	7.2	0.2
150°-160°	4.2	0.1
160°-170°	1.7	0.0
170°-180°	0.5	0.0
0°-30°	1203.5	26.3
0°-40°	1955.4	42.7
0°-60°	3429.6	74.8
0°-90°	4475.1	97.6
90°-120°	68.6	1.5
90°-150°	101.6	2.2
90°-180°	108.0	2.4
0°-180°	4583.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1571	1571	1571	1571	1571	
5°	1563	1566	1560	1562	1563	148
15°	1498	1508	1494	1490	1498	422
25°	1371	1382	1366	1357	1371	631
35°	1195	1214	1192	1177	1195	748
45°	996	1006	987	978	996	770
55°	780	792	771	767	780	699
65°	553	569	550	535	553	548
75°	320	341	319	306	320	340
85°	122	133	119	112	122	117
90°	15	44	10	9	15	23
95°	12	14	5	4	12	10
105°	33	32	29	30	33	30
115°	35	33	29	25	35	33
125°	10	30	9	23	10	11
135°	4	26	3	18	4	3
145°	4	18	4	15	4	3
155°	4	15	4	13	4	2
165°	4	7	4	7	4	1
175°	5	6	4	5	5	0
180°	4	4	4	4	4	



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CATALOG NUMBER: 14SFS-L3C4-NUV-HIGH-4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1570.9	1570.9	1570.9	1570.9	1570.9	1570.9	1570.9	1570.9	1570.9	1570.9	1570.9
5°	1563.1	1557.4	1565.8	1569.5	1565.6	1559.4	1562.6	1564.8	1560.1	1554.0	1559.2
10°	1538.2	1536.2	1546.1	1550.0	1544.1	1539.4	1541.1	1542.9	1535.7	1528.1	1532.7
15°	1498.2	1498.2	1510.5	1513.2	1507.6	1500.9	1502.6	1502.9	1494.5	1486.3	1489.5
20°	1441.2	1445.4	1459.2	1462.9	1450.8	1448.3	1450.0	1446.8	1435.2	1431.8	1431.0
25°	1371.1	1377.2	1392.0	1397.5	1382.2	1382.9	1381.9	1377.5	1365.9	1361.7	1361.4
30°	1285.1	1301.2	1312.5	1318.5	1304.2	1306.1	1301.9	1298.7	1284.4	1279.0	1279.0
35°	1194.8	1208.9	1226.1	1228.4	1214.5	1214.1	1215.0	1207.4	1191.8	1186.9	1186.9
40°	1098.5	1113.3	1129.1	1133.1	1114.1	1115.8	1117.8	1106.9	1091.4	1090.1	1091.9
45°	996.1	1009.2	1024.2	1027.4	1006.2	1015.6	1015.1	1003.0	987.2	986.0	984.7
50°	894.6	904.0	914.4	920.3	903.0	907.9	909.2	900.8	880.1	882.3	882.3
55°	779.6	795.4	807.2	811.9	791.9	797.4	803.8	791.9	770.7	770.9	772.9
60°	670.5	682.1	697.6	704.0	681.1	690.0	691.9	680.6	660.6	660.8	661.6
65°	552.7	565.3	585.1	588.5	569.0	578.6	578.9	570.7	550.0	549.3	552.7
70°	436.2	455.2	469.5	470.8	455.9	462.4	464.6	458.7	434.5	437.2	437.4
75°	320.2	341.4	358.2	355.7	341.2	352.0	352.8	339.2	318.9	324.4	323.4
80°	211.1	232.3	243.6	243.2	229.1	241.9	242.9	229.1	216.0	217.7	216.0
85°	122.4	136.8	148.9	149.3	132.6	142.7	144.9	135.8	119.2	124.7	126.1
90°	15.1	25.9	37.5	52.8	44.4	42.2	39.3	21.2	10.4	9.4	9.1
95°	11.8	11.4	9.9	13.3	13.6	11.4	6.9	5.9	5.2	6.2	6.2
100°	10.4	10.1	15.8	13.6	9.9	18.0	9.6	5.2	4.7	6.2	25.7
105°	33.1	32.1	33.8	26.9	32.1	27.6	28.6	28.1	29.4	31.4	30.9
110°	37.5	34.8	33.3	30.1	34.3	26.9	28.9	32.6	39.3	31.1	23.9
115°	35.3	33.1	25.7	29.6	33.1	27.9	26.9	27.6	29.1	24.2	14.8
120°	23.2	22.5	19.0	27.4	31.1	26.7	19.3	22.5	21.0	18.3	11.1
125°	10.4	11.6	19.0	26.7	30.1	24.9	19.5	11.8	8.6	10.9	11.1
130°	3.9	10.9	18.0	25.7	29.1	23.9	18.8	9.6	3.5	10.4	11.4
135°	4.2	10.6	16.0	23.7	25.9	20.7	15.6	9.4	3.2	9.9	9.9
140°	3.9	9.6	13.6	18.0	21.2	17.5	13.8	8.6	3.5	9.1	13.3
145°	4.2	8.9	12.1	15.1	18.3	15.3	14.1	7.9	3.7	8.1	14.3
150°	4.2	8.4	10.9	14.3	15.6	13.3	12.3	7.2	3.7	7.4	12.6
155°	3.9	7.4	10.1	12.6	14.6	11.8	10.1	6.9	3.7	6.4	9.6
160°	4.2	6.2	7.9	9.9	7.7	9.4	7.4	5.7	3.5	5.4	7.7
165°	4.2	5.2	5.9	6.4	6.7	5.2	5.7	4.7	3.9	4.7	6.4
170°	3.7	4.7	4.9	5.2	6.9	4.9	4.9	4.2	3.7	4.2	5.2
175°	4.7	4.9	4.7	5.4	5.7	5.2	4.7	4.2	3.7	3.5	3.9
180°	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5	4.5



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CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1570.9	1570.9	1570.9	1570.9	1570.9	1570.9
5°	1561.9	1561.6	1555.2	1560.6	1563.6	1563.1
10°	1533.7	1535.0	1528.6	1537.2	1540.4	1538.2
15°	1489.1	1490.3	1486.6	1496.2	1500.2	1498.2
20°	1432.3	1431.3	1430.8	1441.2	1444.1	1441.2
25°	1360.2	1357.0	1360.2	1370.6	1375.0	1371.1
30°	1275.8	1272.3	1278.7	1288.6	1295.8	1285.1
35°	1181.0	1177.0	1189.6	1197.3	1203.2	1194.8
40°	1082.7	1080.5	1090.4	1101.2	1102.0	1098.5
45°	978.1	978.1	982.3	995.8	994.8	996.1
50°	872.9	881.0	878.1	885.7	891.2	894.6
55°	767.7	766.7	772.9	776.1	782.3	779.6
60°	655.7	652.4	659.6	666.8	669.5	670.5
65°	542.3	535.2	542.8	556.2	554.0	552.7
70°	425.8	423.9	429.0	440.4	439.4	436.2
75°	314.7	306.4	319.4	326.1	324.6	320.2
80°	206.4	199.0	211.8	217.0	216.5	211.1
85°	117.8	112.1	120.5	127.1	127.4	122.4
90°	8.4	8.6	10.1	12.8	13.8	15.1
95°	12.6	3.9	9.6	8.1	11.1	11.8
100°	24.9	20.7	23.5	23.0	10.6	10.4
105°	24.7	30.4	25.9	32.1	32.8	33.1
110°	21.2	27.2	22.2	27.4	31.6	37.5
115°	19.3	25.2	21.0	20.0	28.9	35.3
120°	19.0	24.2	19.3	12.8	20.0	23.2
125°	18.0	22.7	18.0	12.3	9.6	10.4
130°	15.8	21.2	15.8	11.1	8.6	3.9
135°	14.1	18.5	12.3	9.9	8.1	4.2
140°	11.6	18.0	11.1	11.4	7.7	3.9
145°	13.6	15.1	13.8	11.4	7.4	4.2
150°	13.8	14.8	13.6	10.6	6.7	4.2
155°	11.1	13.3	8.9	8.6	5.7	3.9
160°	8.4	7.4	7.7	7.4	5.4	4.2
165°	6.7	6.7	6.4	6.4	4.7	4.2
170°	6.2	6.4	6.2	5.2	4.4	3.7
175°	4.4	5.4	4.7	4.7	4.7	4.7
180°	4.5	4.5	4.5	4.5	4.5	4.5



Report Generated By 670246072 / DESKTOP-50001EG





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









(END OF REPORT)