

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: P855726

Luminaire Tested: **22SFS-L3C4-UNV-HIGH-5000K**

Issue Date: 7/17/2024



Test Information

Test Method: LM-79-08
Report Number: P855726
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (BL231218006-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/17/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22SFS-L3C4-UNV-HIGH-5000K
Description: 2x2 Surround Frame Selectable - Architectural Slim LED Frame with,
HIGH Lumen and 5000K CCT Settings
Light Source: -
Ballast/Driver: -

Summary

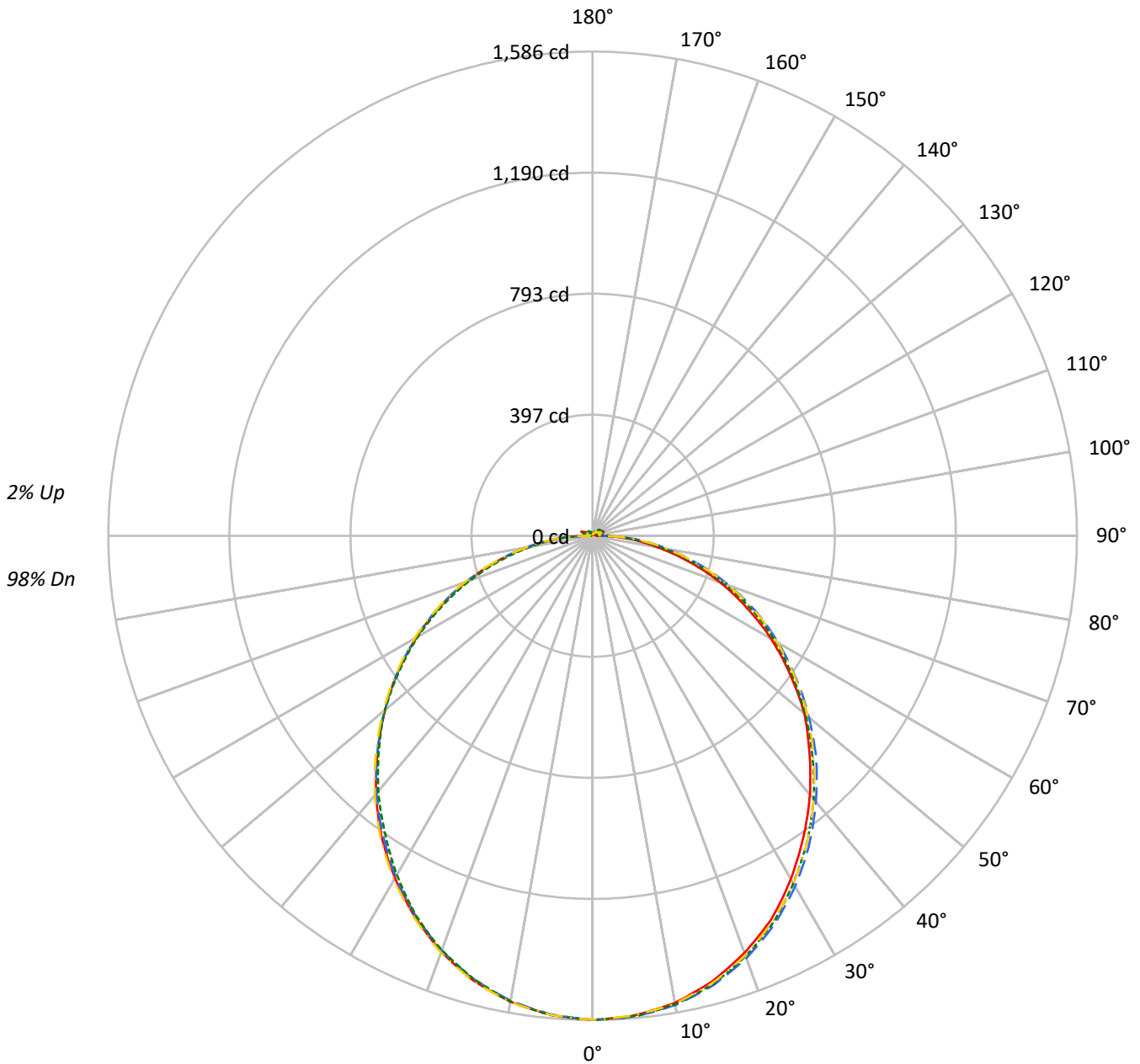
Lumens per Lamp: N/A
Luminaire Lumens: 4626.0 lumens
Efficiency: N/A
Efficacy: 128.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.35
Luminous Opening: Rectangular (W 0.92' x L: 7.81' x H: 0')
CIE Type: Direct

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°	2379	2379	2379	2379
5°	2376	2380	2373	2374
10°	2367	2375	2362	2360
15°	2348	2363	2343	2336
20°	2321	2341	2315	2307
25°	2294	2315	2281	2270
30°	2249	2278	2244	2222
35°	2206	2242	2207	2174
40°	2168	2206	2162	2139
45°	2130	2160	2111	2099
50°	2112	2124	2071	2073
55°	2062	2087	2041	2021
60°	2026	2068	1996	1983
65°	1972	2046	1965	1926
70°	1939	2013	1933	1869
75°	1882	1988	1876	1804
80°	1851	2014	1840	1753
85°	2113	2283	2099	1970



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	149.7	3.2
10°-20°	426.3	9.2
20°-30°	638.6	13.8
30°-40°	758.7	16.4
40°-50°	779.1	16.8
50°-60°	708.7	15.3
60°-70°	560.4	12.1
70°-80°	355.8	7.7
80°-90°	139.5	3.0
90°-100°	15.3	0.3
100°-110°	28.0	0.6
110°-120°	26.1	0.6
120°-130°	15.7	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°	1214.6	26.3
0°-40°	1973.4	42.7
0°-60°	3461.1	74.8
0°-90°	4516.8	97.6
90°-120°	69.4	1.5
90°-150°	102.8	2.2
90°-180°	109.0	2.4
0°-180°	4626.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1586	1586	1586	1586	1586	
5°	1577	1580	1575	1576	1577	150
15°	1511	1521	1508	1503	1511	426
25°	1386	1398	1378	1371	1386	637
35°	1204	1224	1205	1186	1204	754
45°	1004	1018	995	989	1004	776
55°	788	798	780	772	788	706
65°	556	576	554	542	556	552
75°	325	343	324	311	325	345
85°	123	133	122	114	123	118
90°	15	41	12	9	15	23
95°	12	14	6	4	12	10
105°	34	33	31	31	34	31
115°	36	33	29	26	36	33
125°	10	30	9	23	10	11
135°	4	26	4	19	4	3
145°	4	18	4	16	4	3
155°	4	15	4	14	4	2
165°	4	7	4	6	4	1
175°	5	6	4	6	5	0
180°	4	4	4	4	4	



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CATALOG NUMBER: 22SFS-L3C4-UNV-HIGH-5000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1585.6	1585.6	1585.6	1585.6	1585.6	1585.6	1585.6	1585.6	1585.6	1585.6	1585.6
5°	1577.2	1572.2	1580.9	1584.6	1579.9	1573.7	1576.9	1579.7	1575.4	1568.4	1573.7
10°	1553.7	1550.2	1560.7	1563.9	1558.7	1552.2	1555.7	1556.5	1550.2	1543.5	1546.7
15°	1511.3	1511.8	1524.8	1528.0	1520.8	1514.1	1516.8	1516.1	1508.3	1501.6	1503.1
20°	1453.7	1459.0	1472.2	1475.9	1465.7	1462.2	1462.2	1460.0	1449.8	1444.0	1445.5
25°	1385.7	1391.2	1406.4	1409.1	1398.4	1394.7	1393.9	1392.2	1377.7	1373.0	1373.0
30°	1298.2	1311.6	1326.1	1331.6	1314.6	1314.1	1315.6	1309.4	1294.9	1292.2	1290.2
35°	1204.2	1221.6	1236.3	1241.1	1224.1	1226.1	1224.6	1216.9	1204.7	1199.7	1196.7
40°	1107.0	1125.2	1137.1	1138.6	1126.1	1127.6	1126.4	1118.9	1103.5	1102.7	1101.0
45°	1003.7	1019.9	1035.6	1035.6	1017.7	1022.7	1022.7	1014.2	994.8	993.8	996.0
50°	904.8	910.5	924.7	926.4	909.7	915.0	919.5	907.8	887.1	889.1	888.8
55°	788.3	804.0	813.0	821.0	797.6	806.8	809.5	798.1	780.1	776.6	778.6
60°	674.9	690.1	702.1	708.5	689.1	694.3	696.8	689.1	665.2	665.4	669.7
65°	555.5	572.2	592.1	592.4	576.2	582.4	589.9	574.2	553.5	556.5	555.7
70°	442.0	457.7	475.7	476.9	458.7	469.0	471.0	457.7	440.5	439.8	439.8
75°	324.6	346.5	359.8	360.5	342.8	353.3	354.5	347.8	323.6	325.9	328.3
80°	214.2	232.6	247.1	246.8	233.1	242.6	246.8	233.1	212.9	221.1	219.6
85°	122.7	139.6	151.3	149.6	132.6	143.1	147.6	135.9	121.9	126.9	126.4
90°	15.2	23.2	41.1	56.8	41.1	46.9	35.7	18.9	11.7	9.2	9.5
95°	11.7	11.2	10.0	13.2	14.5	11.5	7.2	6.2	5.5	6.2	6.2
100°	10.2	10.2	16.7	13.5	9.7	18.2	9.7	5.2	4.5	5.7	25.4
105°	34.2	32.4	33.7	27.7	32.7	27.9	28.7	28.7	30.7	31.7	31.2
110°	38.4	35.4	33.7	30.4	34.7	26.9	28.9	32.7	39.4	31.2	24.4
115°	36.4	33.2	25.7	29.9	33.4	28.4	26.7	28.2	28.9	24.2	15.0
120°	23.4	23.2	19.4	27.4	31.7	26.9	19.7	22.7	21.2	18.7	11.0
125°	10.0	12.2	18.7	26.7	30.4	25.2	19.7	11.2	9.0	11.0	10.7
130°	4.2	11.2	18.4	25.9	29.7	24.2	18.7	9.7	3.5	10.2	11.2
135°	4.2	10.2	16.2	23.9	26.4	20.9	15.7	9.2	3.5	9.7	10.2
140°	4.2	9.7	13.2	17.7	21.2	17.5	13.7	8.5	3.7	9.0	13.2
145°	4.0	9.2	12.2	15.2	18.4	15.5	14.2	8.2	4.0	8.2	14.5
150°	4.0	8.7	11.0	14.7	16.0	13.7	12.5	7.5	3.7	7.5	12.5
155°	4.2	7.5	10.0	12.5	15.0	12.2	10.0	7.0	4.0	6.7	10.0
160°	4.2	6.5	8.0	9.7	7.7	9.5	7.5	5.5	3.7	5.5	8.0
165°	4.2	5.2	6.0	6.2	6.7	5.5	5.5	4.7	3.7	4.7	6.2
170°	4.2	4.7	5.2	5.5	7.2	5.0	4.7	4.2	3.5	4.2	5.0
175°	4.7	5.0	5.2	5.2	5.7	5.2	4.5	4.0	4.0	3.7	4.5
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°	1585.6	1585.6	1585.6	1585.6	1585.6	1585.6
5°	1576.7	1576.2	1569.2	1575.2	1579.4	1577.2
10°	1548.7	1548.7	1543.3	1550.5	1554.2	1553.7
15°	1504.6	1503.4	1500.6	1510.6	1513.6	1511.3
20°	1444.5	1444.8	1440.5	1453.0	1458.7	1453.7
25°	1371.5	1371.0	1373.5	1381.7	1388.9	1385.7
30°	1289.2	1282.5	1291.4	1301.7	1306.2	1298.2
35°	1197.2	1186.5	1198.9	1209.7	1212.4	1204.2
40°	1091.0	1092.0	1098.7	1109.7	1113.7	1107.0
45°	986.3	989.3	995.8	1003.0	1006.0	1003.7
50°	883.3	888.1	887.6	895.5	897.3	904.8
55°	773.1	772.4	778.4	785.1	791.1	788.3
60°	660.2	660.9	663.7	673.9	676.9	674.9
65°	545.7	542.3	549.7	559.2	560.7	555.5
70°	431.8	426.1	434.3	446.3	441.8	442.0
75°	316.1	311.1	320.6	330.3	326.1	324.6
80°	209.9	202.9	211.9	220.1	216.4	214.2
85°	119.7	114.4	122.9	126.9	129.6	122.7
90°	8.5	8.7	10.2	13.0	14.5	15.2
95°	12.5	4.5	9.5	8.5	11.2	11.7
100°	25.7	20.4	23.9	22.9	11.0	10.2
105°	24.9	30.9	26.7	32.4	33.4	34.2
110°	21.2	27.7	22.7	27.9	32.2	38.4
115°	19.2	25.9	21.4	19.7	29.4	36.4
120°	19.2	25.2	19.4	13.2	20.2	23.4
125°	18.2	23.2	18.2	12.2	10.0	10.0
130°	16.2	21.9	16.2	11.2	8.5	4.2
135°	14.0	18.9	12.7	10.0	8.2	4.2
140°	11.7	18.7	11.2	11.2	7.7	4.2
145°	14.0	15.7	14.0	11.7	7.2	4.0
150°	13.7	15.5	13.7	11.0	6.7	4.0
155°	10.7	13.5	9.2	8.5	6.2	4.2
160°	8.2	8.2	7.7	7.7	5.5	4.2
165°	6.7	6.5	6.7	6.5	4.7	4.2
170°	6.0	7.0	6.2	5.0	4.7	4.2
175°	4.2	5.7	5.0	5.0	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)