

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: P855725

Luminaire Tested: **22SFS-L3C4-UNV-HIGH-4000K**

Issue Date: 7/17/2024

Test Information

Test Method: LM-79-08
Report Number: P855725
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-4000K
Description: 2x2 Surround Frame Selectable - Architectural Slim LED Frame with,
HIGH Lumen and 4000K CCT Settings
Light Source: -
Ballast/Driver: -

Summary

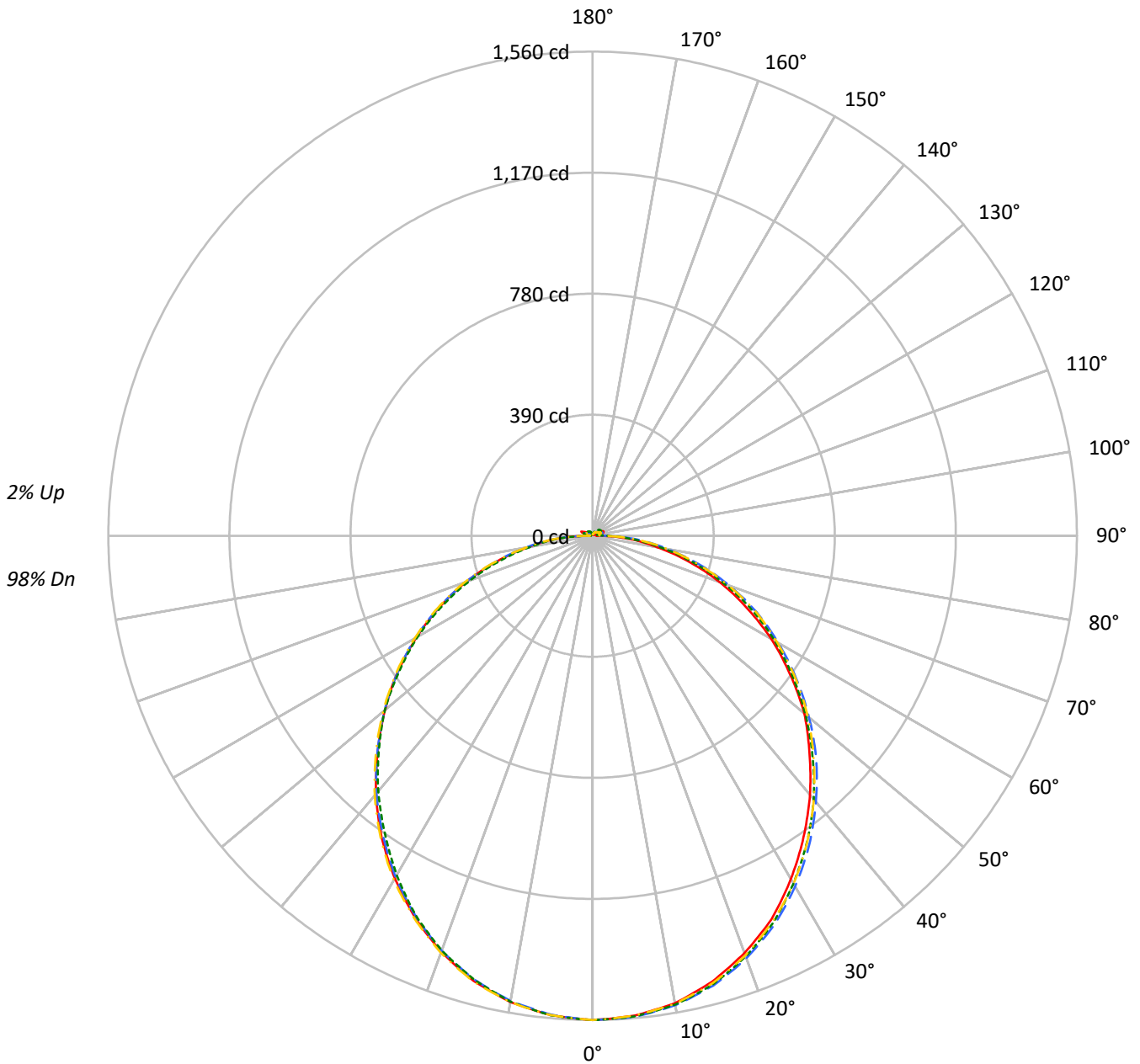
Lumens per Lamp: N/A
Luminaire Lumens: 4552.0 lumens
Efficiency: N/A
Efficacy: 126.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.35
Luminous Opening: Rectangular (W 0.92' x L: 7.81' x H: 0')
CIE Type: Direct

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									
RC	80									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°	2341	2341	2341	2341
5°	2338	2342	2335	2336
10°	2330	2337	2324	2322
15°	2310	2325	2306	2298
20°	2284	2303	2278	2270
25°	2258	2278	2245	2234
30°	2213	2241	2208	2187
35°	2171	2207	2172	2139
40°	2134	2171	2127	2105
45°	2096	2125	2077	2066
50°	2078	2090	2038	2040
55°	2029	2053	2008	1988
60°	1993	2035	1964	1952
65°	1941	2013	1934	1895
70°	1909	1981	1902	1840
75°	1852	1956	1846	1775
80°	1821	1982	1810	1726
85°	2078	2247	2066	1939



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.3	3.2
10°-20°	419.5	9.2
20°-30°	628.4	13.8
30°-40°	746.6	16.4
40°-50°	766.6	16.8
50°-60°	697.3	15.3
60°-70°	551.4	12.1
70°-80°	350.1	7.7
80°-90°	137.3	3.0
90°-100°	15.0	0.3
100°-110°	27.5	0.6
110°-120°	25.7	0.6
120°-130°	15.4	0.3
130°-140°	10.3	0.2
140°-150°	7.1	0.2
150°-160°	4.2	0.1
160°-170°	1.7	0.0
170°-180°	0.5	0.0
0°-30°	1195.2	26.3
0°-40°	1941.8	42.7
0°-60°	3405.8	74.8
0°-90°	4444.6	97.6
90°-120°	68.3	1.5
90°-150°	101.1	2.2
90°-180°	107.0	2.4
0°-180°	4552.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1560	1560	1560	1560	1560	
5°	1552	1555	1550	1551	1552	147
15°	1487	1496	1484	1479	1487	419
25°	1364	1376	1356	1349	1364	627
35°	1185	1204	1185	1168	1185	742
45°	988	1001	979	974	988	764
55°	776	785	768	760	776	695
65°	547	567	545	534	547	543
75°	319	337	318	306	319	339
85°	121	130	120	113	121	116
90°	15	40	12	9	15	22
95°	12	14	5	4	12	10
105°	34	32	30	30	34	30
115°	36	33	28	26	36	33
125°	10	30	9	23	10	11
135°	4	26	3	19	4	3
145°	4	18	4	16	4	3
155°	4	15	4	13	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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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1560.3	1560.3	1560.3	1560.3	1560.3	1560.3	1560.3	1560.3	1560.3	1560.3	1560.3
5°	1551.9	1547.0	1555.6	1559.3	1554.6	1548.5	1551.7	1554.4	1550.2	1543.3	1548.5
10°	1528.9	1525.4	1535.7	1538.9	1533.8	1527.4	1530.8	1531.6	1525.4	1518.8	1522.0
15°	1487.2	1487.7	1500.4	1503.6	1496.5	1489.9	1492.6	1491.8	1484.2	1477.6	1479.1
20°	1430.5	1435.6	1448.6	1452.3	1442.3	1438.8	1438.8	1436.6	1426.6	1420.9	1422.4
25°	1363.5	1368.9	1383.9	1386.6	1376.0	1372.4	1371.6	1369.9	1355.7	1351.0	1351.0
30°	1277.4	1290.7	1304.9	1310.3	1293.6	1293.1	1294.6	1288.4	1274.2	1271.5	1269.6
35°	1184.9	1202.1	1216.6	1221.2	1204.5	1206.5	1205.0	1197.4	1185.4	1180.5	1177.6
40°	1089.2	1107.2	1118.9	1120.4	1108.1	1109.6	1108.4	1101.0	1085.8	1085.1	1083.4
45°	987.7	1003.6	1019.1	1019.1	1001.4	1006.3	1006.3	998.0	978.8	977.9	980.1
50°	890.3	895.9	909.9	911.6	895.2	900.3	904.8	893.2	872.9	874.8	874.6
55°	775.7	791.2	800.0	807.9	784.8	793.9	796.6	785.3	767.6	764.2	766.2
60°	664.1	679.1	690.8	697.2	678.1	683.2	685.7	678.1	654.5	654.8	658.9
65°	546.6	563.0	582.6	582.9	566.9	573.1	580.4	565.0	544.6	547.6	546.8
70°	435.0	450.4	468.1	469.3	451.4	461.5	463.4	450.4	433.5	432.8	432.8
75°	319.4	341.0	354.0	354.7	337.3	347.6	348.9	342.2	318.4	320.6	323.1
80°	210.7	228.9	243.1	242.9	229.4	238.7	242.9	229.4	209.5	217.6	216.1
85°	120.7	137.4	148.9	147.2	130.5	140.8	145.2	133.7	120.0	124.9	124.4
90°	15.0	22.8	40.5	55.9	40.5	46.1	35.1	18.6	11.5	9.1	9.3
95°	11.5	11.0	9.8	13.0	14.2	11.3	7.1	6.1	5.4	6.1	6.1
100°	10.1	10.1	16.4	13.2	9.6	17.9	9.6	5.2	4.4	5.6	25.0
105°	33.6	31.9	33.1	27.2	32.1	27.5	28.2	28.2	30.2	31.2	30.7
110°	37.8	34.8	33.1	29.9	34.1	26.5	28.5	32.1	38.8	30.7	24.0
115°	35.8	32.6	25.3	29.4	32.9	28.0	26.2	27.7	28.5	23.8	14.7
120°	23.1	22.8	19.1	27.0	31.2	26.5	19.4	22.3	20.9	18.4	10.8
125°	9.8	12.0	18.4	26.2	29.9	24.8	19.4	11.0	8.8	10.8	10.5
130°	4.2	11.0	18.2	25.5	29.2	23.8	18.4	9.6	3.4	10.1	11.0
135°	4.2	10.1	15.9	23.6	26.0	20.6	15.5	9.1	3.4	9.6	10.1
140°	4.2	9.6	13.0	17.4	20.9	17.2	13.5	8.3	3.7	8.8	13.0
145°	3.9	9.1	12.0	15.0	18.2	15.2	14.0	8.1	3.9	8.1	14.2
150°	3.9	8.6	10.8	14.5	15.7	13.5	12.3	7.4	3.7	7.4	12.3
155°	4.2	7.4	9.8	12.3	14.7	12.0	9.8	6.9	3.9	6.6	9.8
160°	4.2	6.4	7.9	9.6	7.6	9.3	7.4	5.4	3.7	5.4	7.9
165°	4.2	5.2	5.9	6.1	6.6	5.4	5.4	4.7	3.7	4.7	6.1
170°	4.2	4.7	5.2	5.4	7.1	4.9	4.7	4.2	3.4	4.2	4.9
175°	4.7	4.9	5.2	5.2	5.6	5.2	4.4	3.9	3.9	3.7	4.4
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°	1560.3	1560.3	1560.3	1560.3	1560.3	1560.3
5°	1551.4	1550.9	1544.1	1550.0	1554.1	1551.9
10°	1524.0	1524.0	1518.6	1525.7	1529.4	1528.9
15°	1480.5	1479.3	1476.6	1486.4	1489.4	1487.2
20°	1421.4	1421.7	1417.5	1429.8	1435.4	1430.5
25°	1349.5	1349.0	1351.5	1359.6	1366.7	1363.5
30°	1268.6	1262.0	1270.8	1280.8	1285.3	1277.4
35°	1178.1	1167.5	1179.8	1190.3	1193.0	1184.9
40°	1073.5	1074.5	1081.1	1091.9	1095.9	1089.2
45°	970.5	973.5	979.8	986.9	989.9	987.7
50°	869.2	873.8	873.4	881.2	882.9	890.3
55°	760.8	760.0	765.9	772.5	778.4	775.7
60°	649.6	650.4	653.1	663.1	666.1	664.1
65°	537.0	533.6	540.9	550.3	551.7	546.6
70°	424.9	419.3	427.4	439.1	434.7	435.0
75°	311.1	306.2	315.5	325.1	320.9	319.4
80°	206.6	199.7	208.5	216.6	212.9	210.7
85°	117.8	112.6	120.9	124.9	127.6	120.7
90°	8.3	8.6	10.1	12.8	14.2	15.0
95°	12.3	4.4	9.3	8.3	11.0	11.5
100°	25.3	20.1	23.6	22.6	10.8	10.1
105°	24.5	30.4	26.2	31.9	32.9	33.6
110°	20.9	27.2	22.3	27.5	31.6	37.8
115°	18.9	25.5	21.1	19.4	28.9	35.8
120°	18.9	24.8	19.1	13.0	19.9	23.1
125°	17.9	22.8	17.9	12.0	9.8	9.8
130°	15.9	21.6	15.9	11.0	8.3	4.2
135°	13.7	18.6	12.5	9.8	8.1	4.2
140°	11.5	18.4	11.0	11.0	7.6	4.2
145°	13.7	15.5	13.7	11.5	7.1	3.9
150°	13.5	15.2	13.5	10.8	6.6	3.9
155°	10.5	13.2	9.1	8.3	6.1	4.2
160°	8.1	8.1	7.6	7.6	5.4	4.2
165°	6.6	6.4	6.6	6.4	4.7	4.2
170°	5.9	6.9	6.1	4.9	4.7	4.2
175°	4.2	5.6	4.9	4.9	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)