

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: P855723

Luminaire Tested: **22SFS-L3C4-UNV-HIGH-3000K**

Issue Date: 7/17/2024



Test Information

Test Method: LM-79-08
Report Number: P855723
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-3000K
Description: 2x2 Surround Frame Selectable - Architectural Slim LED Frame with,
HIGH Lumen and 3000K CCT Settings
Light Source: -
Ballast/Driver: -

Summary

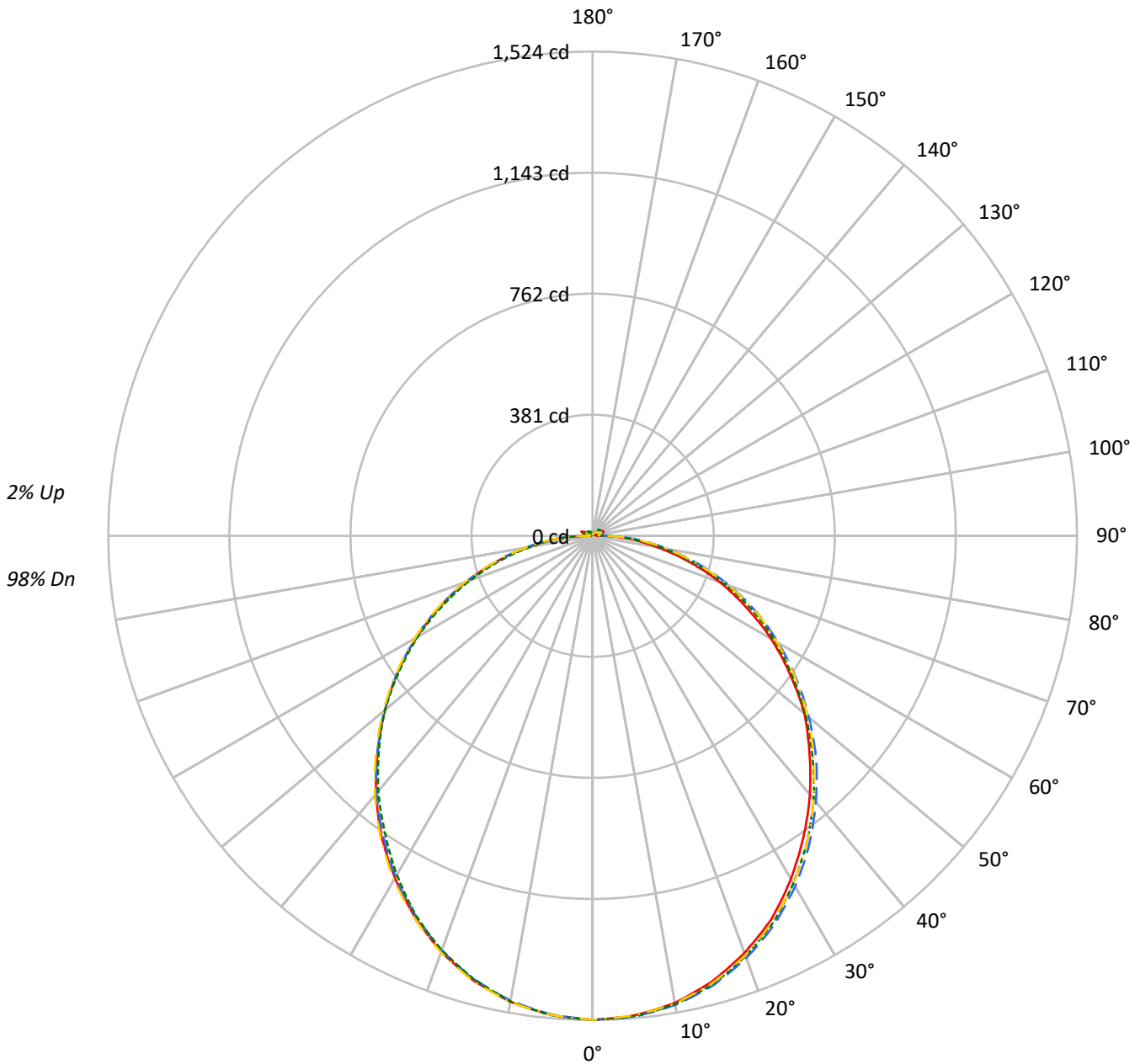
Lumens per Lamp: N/A
Luminaire Lumens: 4445.0 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.35
Luminous Opening: Rectangular (W 0.92' x L: 7.81' x H: 0')
CIE Type: Direct

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°	2286	2286	2286	2286
5°	2283	2287	2280	2281
10°	2275	2282	2270	2267
15°	2256	2270	2252	2244
20°	2231	2249	2224	2217
25°	2205	2225	2192	2181
30°	2161	2189	2156	2135
35°	2120	2155	2120	2089
40°	2083	2120	2077	2055
45°	2047	2075	2028	2017
50°	2030	2041	1990	1992
55°	1982	2005	1961	1942
60°	1946	1987	1918	1906
65°	1895	1966	1888	1850
70°	1863	1934	1857	1796
75°	1808	1910	1803	1734
80°	1778	1936	1768	1685
85°	2030	2194	2016	1894



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.9	3.2
10°-20°	409.7	9.2
20°-30°	613.6	13.8
30°-40°	729.1	16.4
40°-50°	748.6	16.8
50°-60°	681.0	15.3
60°-70°	538.5	12.1
70°-80°	341.8	7.7
80°-90°	134.1	3.0
90°-100°	14.7	0.3
100°-110°	26.9	0.6
110°-120°	25.1	0.6
120°-130°	15.1	0.3
130°-140°	10.0	0.2
140°-150°	7.0	0.2
150°-160°	4.1	0.1
160°-170°	1.6	0.0
170°-180°	0.4	0.0
0°-30°	1167.1	26.3
0°-40°	1896.2	42.7
0°-60°	3325.7	74.8
0°-90°	4340.1	97.6
90°-120°	66.7	1.5
90°-150°	98.8	2.2
90°-180°	105.0	2.4
0°-180°	4445.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1524	1524	1524	1524	1524	
5°	1515	1518	1514	1514	1515	144
15°	1452	1461	1449	1444	1452	410
25°	1332	1344	1324	1317	1332	613
35°	1157	1176	1158	1140	1157	725
45°	964	978	956	951	964	746
55°	758	766	750	742	758	679
65°	534	554	532	521	534	530
75°	312	329	311	299	312	331
85°	118	127	117	110	118	113
90°	15	40	11	8	15	22
95°	11	14	5	4	11	9
105°	33	31	30	30	33	30
115°	35	32	28	25	35	32
125°	10	29	9	22	10	10
135°	4	25	3	18	4	3
145°	4	18	4	15	4	2
155°	4	14	4	13	4	2
165°	4	6	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°	1523.6	1523.6	1523.6	1523.6	1523.6	1523.6	1523.6	1523.6	1523.6	1523.6	1523.6
5°	1515.4	1510.7	1519.0	1522.6	1518.1	1512.1	1515.2	1517.8	1513.8	1507.1	1512.1
10°	1492.9	1489.6	1499.6	1502.8	1497.7	1491.5	1494.8	1495.6	1489.6	1483.1	1486.2
15°	1452.2	1452.7	1465.1	1468.3	1461.3	1454.8	1457.5	1456.8	1449.3	1442.9	1444.3
20°	1396.9	1401.9	1414.6	1418.2	1408.4	1405.0	1405.0	1402.9	1393.0	1387.5	1389.0
25°	1331.5	1336.7	1351.4	1354.0	1343.7	1340.1	1339.4	1337.7	1323.8	1319.2	1319.2
30°	1247.4	1260.3	1274.2	1279.5	1263.2	1262.7	1264.2	1258.2	1244.3	1241.6	1239.7
35°	1157.1	1173.8	1188.0	1192.5	1176.2	1178.2	1176.7	1169.3	1157.5	1152.8	1149.9
40°	1063.6	1081.1	1092.6	1094.1	1082.1	1083.5	1082.3	1075.1	1060.3	1059.6	1057.9
45°	964.5	980.0	995.1	995.1	977.9	982.7	982.7	974.5	955.8	954.9	957.0
50°	869.4	874.9	888.5	890.2	874.1	879.2	883.5	872.2	852.4	854.3	854.0
55°	757.5	772.6	781.2	788.9	766.3	775.2	777.8	766.8	749.6	746.2	748.1
60°	648.5	663.1	674.6	680.8	662.1	667.2	669.6	662.1	639.1	639.4	643.5
65°	533.7	549.8	569.0	569.2	553.6	559.6	566.8	551.7	531.8	534.7	534.0
70°	424.7	439.8	457.1	458.3	440.8	450.6	452.5	439.8	423.3	422.6	422.6
75°	311.9	333.0	345.7	346.4	329.4	339.5	340.7	334.2	310.9	313.1	315.5
80°	205.8	223.5	237.4	237.2	224.0	233.1	237.2	224.0	204.6	212.5	211.1
85°	117.9	134.2	145.4	143.7	127.4	137.5	141.8	130.6	117.1	121.9	121.5
90°	14.6	22.3	39.5	54.6	39.5	45.0	34.3	18.2	11.3	8.9	9.1
95°	11.3	10.8	9.6	12.7	13.9	11.0	6.9	6.0	5.3	6.0	6.0
100°	9.8	9.8	16.1	12.9	9.3	17.5	9.3	5.0	4.3	5.5	24.4
105°	32.8	31.1	32.3	26.6	31.4	26.8	27.5	27.5	29.5	30.4	29.9
110°	36.9	34.0	32.3	29.2	33.3	25.9	27.8	31.4	37.9	29.9	23.5
115°	35.0	31.9	24.7	28.7	32.1	27.3	25.6	27.1	27.8	23.2	14.4
120°	22.5	22.3	18.7	26.4	30.4	25.9	18.9	21.8	20.4	18.0	10.5
125°	9.6	11.7	18.0	25.6	29.2	24.2	18.9	10.8	8.6	10.5	10.3
130°	4.1	10.8	17.7	24.9	28.5	23.2	18.0	9.3	3.4	9.8	10.8
135°	4.1	9.8	15.6	23.0	25.4	20.1	15.1	8.9	3.4	9.3	9.8
140°	4.1	9.3	12.7	17.0	20.4	16.8	13.2	8.1	3.6	8.6	12.7
145°	3.8	8.9	11.7	14.6	17.7	14.9	13.7	7.9	3.8	7.9	13.9
150°	3.8	8.4	10.5	14.1	15.3	13.2	12.0	7.2	3.6	7.2	12.0
155°	4.1	7.2	9.6	12.0	14.4	11.7	9.6	6.7	3.8	6.5	9.6
160°	4.1	6.2	7.7	9.3	7.4	9.1	7.2	5.3	3.6	5.3	7.7
165°	4.1	5.0	5.7	6.0	6.5	5.3	5.3	4.6	3.6	4.6	6.0
170°	4.1	4.6	5.0	5.3	6.9	4.8	4.6	4.1	3.4	4.1	4.8
175°	4.6	4.8	5.0	5.0	5.5	5.0	4.3	3.8	3.8	3.6	4.3
180°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4



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CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1523.6	1523.6	1523.6	1523.6	1523.6	1523.6
5°	1515.0	1514.5	1507.8	1513.5	1517.6	1515.4
10°	1488.1	1488.1	1482.9	1489.8	1493.4	1492.9
15°	1445.7	1444.5	1441.9	1451.5	1454.4	1452.2
20°	1388.0	1388.2	1384.2	1396.1	1401.7	1396.9
25°	1317.8	1317.3	1319.7	1327.6	1334.6	1331.5
30°	1238.8	1232.3	1240.9	1250.7	1255.0	1247.4
35°	1150.4	1140.1	1152.0	1162.3	1165.0	1157.1
40°	1048.3	1049.3	1055.7	1066.3	1070.1	1063.6
45°	947.7	950.6	956.8	963.7	966.6	964.5
50°	848.8	853.3	852.8	860.5	862.2	869.4
55°	742.9	742.2	747.9	754.4	760.1	757.5
60°	634.4	635.1	637.7	647.5	650.4	648.5
65°	524.4	521.0	528.2	537.3	538.8	533.7
70°	414.9	409.4	417.3	428.8	424.5	424.7
75°	303.8	299.0	308.1	317.4	313.3	311.9
80°	201.7	195.0	203.6	211.5	207.9	205.8
85°	115.0	110.0	118.1	121.9	124.6	117.9
90°	8.1	8.4	9.8	12.5	13.9	14.6
95°	12.0	4.3	9.1	8.1	10.8	11.3
100°	24.7	19.6	23.0	22.0	10.5	9.8
105°	24.0	29.7	25.6	31.1	32.1	32.8
110°	20.4	26.6	21.8	26.8	30.9	36.9
115°	18.4	24.9	20.6	18.9	28.3	35.0
120°	18.4	24.2	18.7	12.7	19.4	22.5
125°	17.5	22.3	17.5	11.7	9.6	9.6
130°	15.6	21.1	15.6	10.8	8.1	4.1
135°	13.4	18.2	12.2	9.6	7.9	4.1
140°	11.3	18.0	10.8	10.8	7.4	4.1
145°	13.4	15.1	13.4	11.3	6.9	3.8
150°	13.2	14.9	13.2	10.5	6.5	3.8
155°	10.3	12.9	8.9	8.1	6.0	4.1
160°	7.9	7.9	7.4	7.4	5.3	4.1
165°	6.5	6.2	6.5	6.2	4.6	4.1
170°	5.7	6.7	6.0	4.8	4.6	4.1
175°	4.1	5.5	4.8	4.8	4.6	4.6
180°	4.4	4.4	4.4	4.4	4.4	4.4



Report Generated By 670246072 / DESKTOP-50001EG





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









(END OF REPORT)