

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: P855732

Luminaire Tested: **22SFS-L3C4-UNV-MED-3500K**

Issue Date: 7/17/2024

Test Information

Test Method: LM-79-08
Report Number: P855732
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-MED-3500K
Description: 2x2 Surround Frame Selectable - Architectural Slim LED Frame with,
MED Lumen and 3500K CCT Settings
Light Source: -
Ballast/Driver: -

Summary

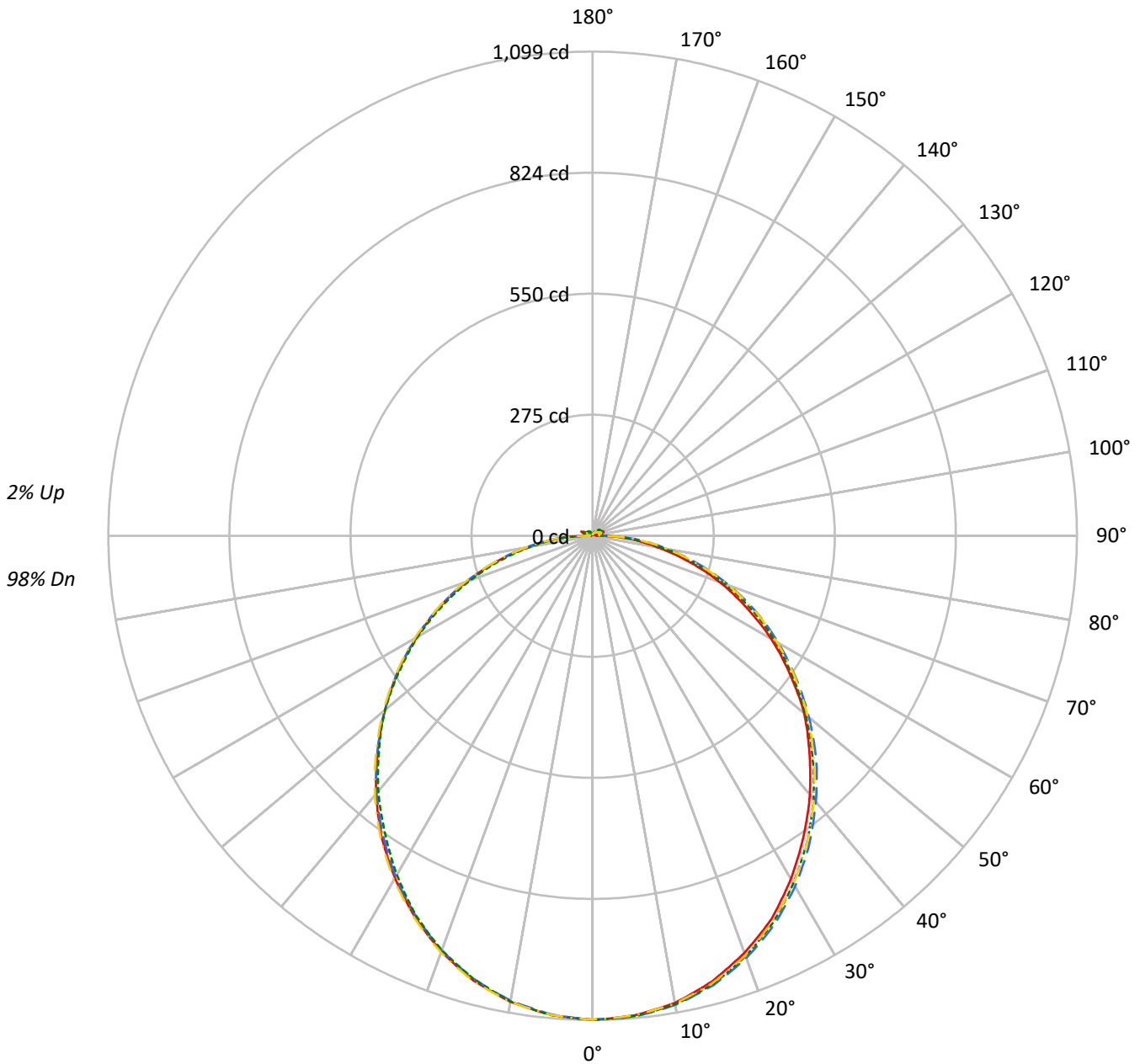
Lumens per Lamp: N/A
Luminaire Lumens: 3205.0 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.35
Luminous Opening: Rectangular (W 0.92' x L: 7.81' x H: 0')
CIE Type: Direct

Input Watts (W): 25
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°	1649	1649	1649	1649
5°	1646	1649	1644	1645
10°	1640	1645	1637	1635
15°	1627	1637	1623	1618
20°	1608	1622	1604	1599
25°	1590	1604	1580	1573
30°	1558	1578	1555	1540
35°	1528	1554	1529	1506
40°	1502	1528	1498	1482
45°	1476	1496	1463	1455
50°	1463	1471	1435	1436
55°	1429	1446	1414	1400
60°	1403	1433	1383	1374
65°	1366	1417	1362	1334
70°	1344	1394	1339	1295
75°	1304	1377	1300	1250
80°	1282	1396	1275	1215
85°	1463	1582	1455	1365



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.7	3.2
10°-20°	295.4	9.2
20°-30°	442.4	13.8
30°-40°	525.7	16.4
40°-50°	539.7	16.8
50°-60°	491.0	15.3
60°-70°	388.2	12.1
70°-80°	246.5	7.7
80°-90°	96.7	3.0
90°-100°	10.6	0.3
100°-110°	19.4	0.6
110°-120°	18.1	0.6
120°-130°	10.9	0.3
130°-140°	7.2	0.2
140°-150°	5.0	0.2
150°-160°	2.9	0.1
160°-170°	1.2	0.0
170°-180°	0.3	0.0
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0°-30°	841.5	26.3
0°-40°	1367.2	42.7
0°-60°	2398.0	74.8
0°-90°	3129.4	97.6
90°-120°	48.1	1.5
90°-150°	71.2	2.2
90°-180°	76.0	2.4
0°-180°	3205.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1099	1099	1099	1099	1099	
5°	1093	1095	1092	1092	1093	104
15°	1047	1054	1045	1042	1047	295
25°	960	969	954	950	960	442
35°	834	848	835	822	834	522
45°	695	705	689	685	695	538
55°	546	553	540	535	546	489
65°	385	399	384	376	385	382
75°	225	238	224	216	225	239
85°	85	92	84	79	85	82
90°	10	28	8	6	10	16
95°	8	10	4	3	8	7
105°	24	23	21	21	24	21
115°	25	23	20	18	25	23
125°	7	21	6	16	7	7
135°	3	18	2	13	3	2
145°	3	13	3	11	3	2
155°	3	10	3	9	3	1
165°	3	5	3	4	3	1
175°	3	4	3	4	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°	202.5°	225°
0°	1098.6	1098.6	1098.6	1098.6	1098.6	1098.6	1098.6	1098.6	1098.6	1098.6	1098.6
5°	1092.7	1089.2	1095.3	1097.9	1094.6	1090.3	1092.5	1094.4	1091.5	1086.6	1090.3
10°	1076.5	1074.0	1081.3	1083.5	1079.9	1075.4	1077.8	1078.4	1074.0	1069.4	1071.6
15°	1047.1	1047.4	1056.4	1058.7	1053.7	1049.0	1050.9	1050.4	1045.0	1040.4	1041.4
20°	1007.2	1010.8	1020.0	1022.6	1015.5	1013.1	1013.1	1011.5	1004.4	1000.5	1001.5
25°	960.0	963.8	974.4	976.3	968.8	966.3	965.7	964.5	954.5	951.2	951.2
30°	899.4	908.7	918.8	922.6	910.8	910.5	911.5	907.2	897.2	895.3	893.9
35°	834.3	846.4	856.6	859.9	848.1	849.5	848.5	843.1	834.6	831.2	829.1
40°	766.9	779.5	787.8	788.9	780.2	781.3	780.4	775.2	764.5	764.0	762.8
45°	695.4	706.6	717.5	717.5	705.1	708.5	708.5	702.7	689.2	688.5	690.1
50°	626.8	630.8	640.7	641.9	630.3	633.9	637.0	628.9	614.6	616.0	615.8
55°	546.2	557.1	563.3	568.8	552.6	559.0	560.9	552.9	540.5	538.1	539.4
60°	467.6	478.1	486.4	490.9	477.4	481.1	482.8	477.4	460.8	461.0	464.0
65°	384.8	396.4	410.2	410.4	399.2	403.5	408.7	397.8	383.5	385.5	385.0
70°	306.3	317.1	329.6	330.4	317.8	324.9	326.3	317.1	305.2	304.7	304.7
75°	224.9	240.1	249.2	249.8	237.5	244.8	245.6	241.0	224.2	225.8	227.5
80°	148.4	161.2	171.2	171.0	161.5	168.1	171.0	161.5	147.5	153.2	152.2
85°	85.0	96.7	104.8	103.6	91.9	99.1	102.3	94.1	84.5	87.9	87.6
90°	10.5	16.1	28.5	39.4	28.5	32.5	24.7	13.1	8.1	6.4	6.6
95°	8.1	7.8	6.9	9.2	10.0	7.9	5.0	4.3	3.8	4.3	4.3
100°	7.1	7.1	11.6	9.3	6.7	12.6	6.7	3.6	3.1	4.0	17.6
105°	23.7	22.5	23.3	19.2	22.6	19.3	19.9	19.9	21.2	21.9	21.6
110°	26.6	24.5	23.3	21.1	24.0	18.7	20.0	22.6	27.3	21.6	16.9
115°	25.2	23.0	17.8	20.7	23.1	19.7	18.5	19.5	20.0	16.8	10.4
120°	16.2	16.1	13.5	19.0	21.9	18.7	13.6	15.7	14.7	13.0	7.6
125°	6.9	8.5	13.0	18.5	21.1	17.4	13.6	7.8	6.2	7.6	7.4
130°	2.9	7.8	12.8	18.0	20.6	16.8	13.0	6.7	2.4	7.1	7.8
135°	2.9	7.1	11.2	16.6	18.3	14.5	10.9	6.4	2.4	6.7	7.1
140°	2.9	6.7	9.2	12.3	14.7	12.1	9.5	5.9	2.6	6.2	9.2
145°	2.8	6.4	8.5	10.5	12.8	10.7	9.8	5.7	2.8	5.7	10.0
150°	2.8	6.0	7.6	10.2	11.1	9.5	8.6	5.2	2.6	5.2	8.6
155°	2.9	5.2	6.9	8.6	10.4	8.5	6.9	4.8	2.8	4.7	6.9
160°	2.9	4.5	5.5	6.7	5.4	6.6	5.2	3.8	2.6	3.8	5.5
165°	2.9	3.6	4.1	4.3	4.7	3.8	3.8	3.3	2.6	3.3	4.3
170°	2.9	3.3	3.6	3.8	5.0	3.5	3.3	2.9	2.4	2.9	3.5
175°	3.3	3.5	3.6	3.6	4.0	3.6	3.1	2.8	2.8	2.6	3.1
180°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2



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CANDELA DISTRIBUTION (continued):

	247.5°	270°	292.5°	315°	337.5°	360°
0°	1098.6	1098.6	1098.6	1098.6	1098.6	1098.6
5°	1092.3	1092.0	1087.2	1091.3	1094.2	1092.7
10°	1073.0	1073.0	1069.2	1074.2	1076.8	1076.5
15°	1042.4	1041.6	1039.7	1046.6	1048.6	1047.1
20°	1000.8	1001.0	998.0	1006.7	1010.6	1007.2
25°	950.2	949.8	951.6	957.3	962.3	960.0
30°	893.2	888.5	894.7	901.8	904.9	899.4
35°	829.5	822.0	830.7	838.1	840.0	834.3
40°	755.9	756.6	761.2	768.8	771.6	766.9
45°	683.3	685.4	689.9	694.9	697.0	695.4
50°	612.0	615.3	614.9	620.4	621.7	626.8
55°	535.6	535.1	539.3	543.9	548.1	546.2
60°	457.4	457.9	459.8	466.9	469.0	467.6
65°	378.1	375.7	380.9	387.4	388.5	384.8
70°	299.2	295.2	300.9	309.2	306.1	306.3
75°	219.0	215.6	222.1	228.9	225.9	224.9
80°	145.4	140.6	146.8	152.5	149.9	148.4
85°	82.9	79.3	85.2	87.9	89.8	85.0
90°	5.9	6.0	7.1	9.0	10.0	10.5
95°	8.6	3.1	6.6	5.9	7.8	8.1
100°	17.8	14.2	16.6	15.9	7.6	7.1
105°	17.3	21.4	18.5	22.5	23.1	23.7
110°	14.7	19.2	15.7	19.3	22.3	26.6
115°	13.3	18.0	14.9	13.6	20.4	25.2
120°	13.3	17.4	13.5	9.2	14.0	16.2
125°	12.6	16.1	12.6	8.5	6.9	6.9
130°	11.2	15.2	11.2	7.8	5.9	2.9
135°	9.7	13.1	8.8	6.9	5.7	2.9
140°	8.1	13.0	7.8	7.8	5.4	2.9
145°	9.7	10.9	9.7	8.1	5.0	2.8
150°	9.5	10.7	9.5	7.6	4.7	2.8
155°	7.4	9.3	6.4	5.9	4.3	2.9
160°	5.7	5.7	5.4	5.4	3.8	2.9
165°	4.7	4.5	4.7	4.5	3.3	2.9
170°	4.1	4.8	4.3	3.5	3.3	2.9
175°	2.9	4.0	3.5	3.5	3.3	3.3
180°	3.2	3.2	3.2	3.2	3.2	3.2



Report Generated By 670246072 / DESKTOP-50001EG





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









(END OF REPORT)