

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: P855663

Luminaire Tested: **14SFS-L3C4-NUV-HIGH-3000K**

Issue Date: 7/17/2024

Test Information

Test Method: LM-79-08
Report Number: P855663
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-3000K
Description: 1x4 Surround Frame Selectable - Architectural Slim LED Frame with,
HIGH Lumen and 3000K CCT Settings
Light Source: -
Ballast/Driver: -

Summary

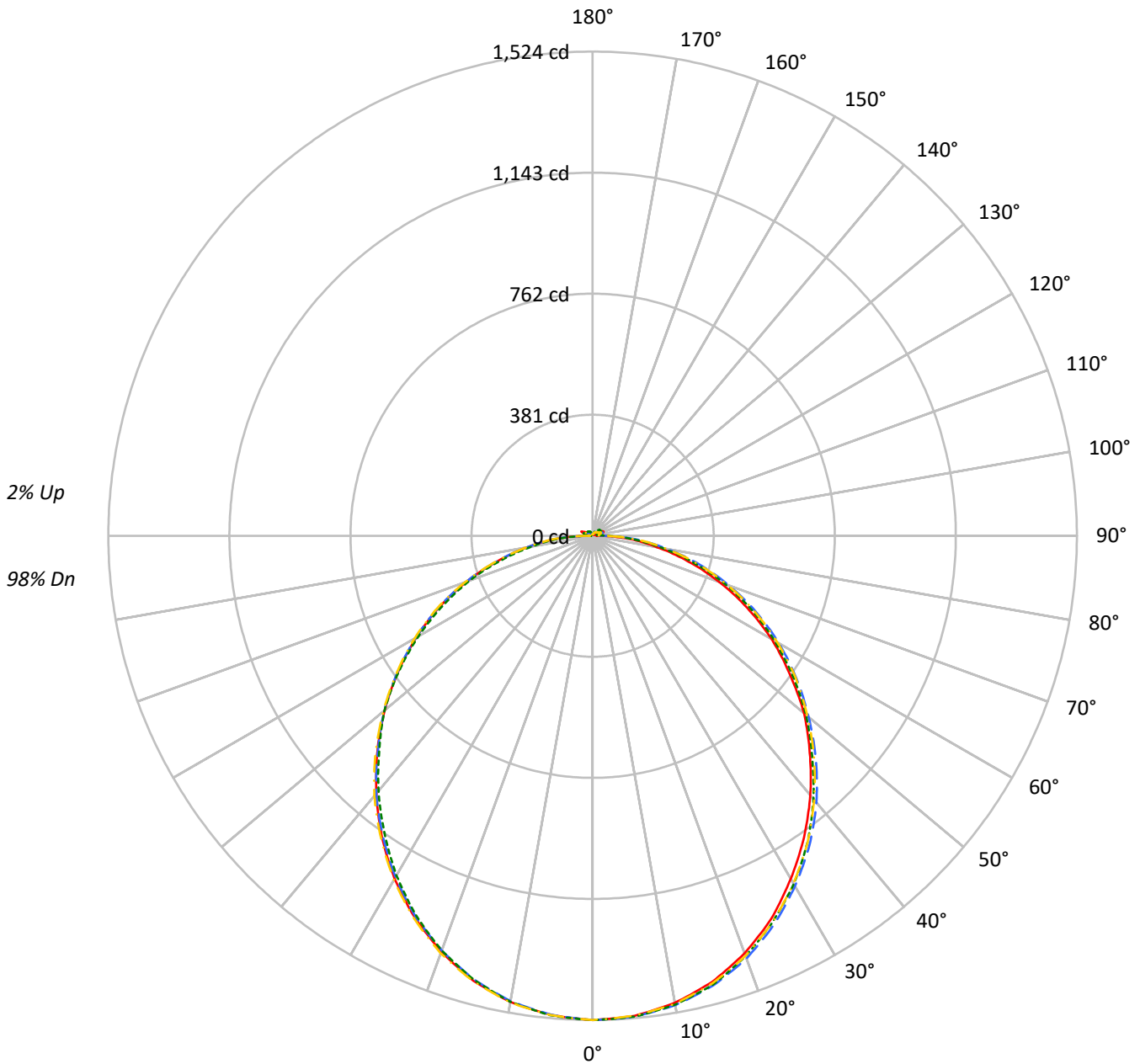
Lumens per Lamp: N/A
Luminaire Lumens: 4447.0 lumens
Efficiency: N/A
Efficacy: 123.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.22 / 1.35
Luminous Opening: Rectangular (W 0.92' x L: 3.9' x H: 0')
CIE Type: Direct

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									
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°	4575	4575	4575	4575
5°	4569	4577	4561	4565
10°	4548	4566	4541	4539
15°	4517	4545	4506	4493
20°	4466	4496	4448	4436
25°	4406	4441	4389	4360
30°	4321	4386	4319	4278
35°	4247	4318	4237	4184
40°	4176	4235	4149	4107
45°	4102	4144	4066	4028
50°	4053	4091	3987	3992
55°	3958	4021	3913	3893
60°	3905	3967	3848	3800
65°	3809	3921	3790	3688
70°	3714	3882	3700	3609
75°	3603	3838	3589	3447
80°	3540	3842	3623	3337
85°	4091	4428	3984	3743



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	143.9	3.2
10°-20°	409.9	9.2
20°-30°	614.0	13.8
30°-40°	729.5	16.4
40°-50°	749.0	16.8
50°-60°	681.5	15.3
60°-70°	538.7	12.1
70°-80°	341.8	7.7
80°-90°	134.0	3.0
90°-100°	14.7	0.3
100°-110°	26.8	0.6
110°-120°	25.1	0.6
120°-130°	15.1	0.3
130°-140°	10.1	0.2
140°-150°	6.9	0.2
150°-160°	4.0	0.1
160°-170°	1.6	0.0
170°-180°	0.4	0.0
0°-30°	1167.8	26.3
0°-40°	1897.3	42.7
0°-60°	3327.8	74.8
0°-90°	4342.3	97.6
90°-120°	66.6	1.5
90°-150°	98.6	2.2
90°-180°	105.0	2.4
0°-180°	4447.0	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	1524	1524	1524	1524	1524	
5°	1517	1519	1514	1515	1517	144
15°	1454	1463	1450	1446	1454	410
25°	1330	1341	1325	1317	1330	612
35°	1159	1178	1156	1142	1159	726
45°	966	976	958	949	966	747
55°	756	768	748	744	756	678
65°	536	552	534	519	536	532
75°	311	331	310	297	311	330
85°	119	129	116	109	119	113
90°	15	43	10	8	15	22
95°	12	13	5	4	12	9
105°	32	31	28	30	32	29
115°	34	32	28	24	34	32
125°	10	29	8	22	10	11
135°	4	25	3	18	4	3
145°	4	18	4	15	4	3
155°	4	14	4	13	4	2
165°	4	6	4	6	4	1
175°	5	6	4	5	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°	1524.3	1524.3	1524.3	1524.3	1524.3	1524.3	1524.3	1524.3	1524.3	1524.3	1524.3
5°	1516.7	1511.2	1519.4	1523.0	1519.1	1513.1	1516.2	1518.4	1513.9	1507.9	1512.9
10°	1492.5	1490.6	1500.2	1504.0	1498.3	1493.7	1495.4	1497.1	1490.1	1482.7	1487.3
15°	1453.7	1453.7	1465.7	1468.3	1462.8	1456.4	1458.0	1458.3	1450.1	1442.2	1445.3
20°	1398.4	1402.5	1415.9	1419.5	1407.7	1405.3	1407.0	1403.9	1392.6	1389.3	1388.6
25°	1330.4	1336.4	1350.7	1356.0	1341.1	1341.9	1340.9	1336.6	1325.3	1321.3	1321.0
30°	1247.0	1262.6	1273.6	1279.3	1265.5	1267.4	1263.3	1260.2	1246.3	1241.0	1241.0
35°	1159.3	1173.0	1189.8	1191.9	1178.5	1178.0	1179.0	1171.6	1156.5	1151.7	1151.7
40°	1065.9	1080.3	1095.6	1099.5	1081.0	1082.7	1084.6	1074.1	1059.0	1057.8	1059.5
45°	966.5	979.2	993.8	996.9	976.3	985.4	985.0	973.2	957.9	956.7	955.5
50°	868.1	877.2	887.2	893.0	876.2	881.0	882.2	874.1	853.9	856.1	856.1
55°	756.4	771.8	783.3	787.8	768.4	773.7	779.9	768.4	747.8	748.1	750.0
60°	650.6	661.8	676.9	683.2	660.9	669.5	671.4	660.4	641.0	641.2	641.9
65°	536.3	548.5	567.7	571.0	552.1	561.5	561.7	553.8	533.7	533.0	536.3
70°	423.3	441.7	455.6	456.8	442.4	448.6	450.8	445.1	421.6	424.2	424.5
75°	310.7	331.3	347.6	345.2	331.0	341.6	342.3	329.1	309.5	314.7	313.8
80°	204.8	225.4	236.4	235.9	222.3	234.7	235.7	222.3	209.6	211.3	209.6
85°	118.8	132.7	144.4	144.9	128.6	138.4	140.6	131.7	115.7	121.0	122.4
90°	14.6	25.2	36.4	51.3	43.1	41.0	38.1	20.6	10.1	9.1	8.9
95°	11.5	11.0	9.6	12.9	13.2	11.0	6.7	5.7	5.0	6.0	6.0
100°	10.1	9.8	15.3	13.2	9.6	17.5	9.3	5.0	4.6	6.0	24.9
105°	32.1	31.1	32.8	26.1	31.1	26.8	27.8	27.3	28.5	30.4	29.9
110°	36.4	33.8	32.3	29.2	33.3	26.1	28.0	31.6	38.1	30.2	23.2
115°	34.3	32.1	24.9	28.7	32.1	27.1	26.1	26.8	28.3	23.5	14.4
120°	22.5	21.8	18.4	26.6	30.2	25.9	18.7	21.8	20.4	17.7	10.8
125°	10.1	11.3	18.4	25.9	29.2	24.2	18.9	11.5	8.4	10.5	10.8
130°	3.8	10.5	17.5	24.9	28.3	23.2	18.2	9.3	3.4	10.1	11.0
135°	4.1	10.3	15.6	23.0	25.2	20.1	15.1	9.1	3.1	9.6	9.6
140°	3.8	9.3	13.2	17.5	20.6	17.0	13.4	8.4	3.4	8.9	12.9
145°	4.1	8.6	11.7	14.6	17.7	14.9	13.7	7.7	3.6	7.9	13.9
150°	4.1	8.1	10.5	13.9	15.1	12.9	12.0	6.9	3.6	7.2	12.2
155°	3.8	7.2	9.8	12.2	14.1	11.5	9.8	6.7	3.6	6.2	9.3
160°	4.1	6.0	7.7	9.6	7.4	9.1	7.2	5.5	3.4	5.3	7.4
165°	4.1	5.0	5.7	6.2	6.5	5.0	5.5	4.6	3.8	4.6	6.2
170°	3.6	4.6	4.8	5.0	6.7	4.8	4.8	4.1	3.6	4.1	5.0
175°	4.6	4.8	4.6	5.3	5.5	5.0	4.6	4.1	3.6	3.4	3.8
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°	1524.3	1524.3	1524.3	1524.3	1524.3	1524.3
5°	1515.5	1515.3	1509.1	1514.3	1517.2	1516.7
10°	1488.2	1489.4	1483.2	1491.6	1494.7	1492.5
15°	1444.9	1446.1	1442.5	1451.8	1455.6	1453.7
20°	1389.8	1388.8	1388.3	1398.4	1401.3	1398.4
25°	1319.8	1316.7	1319.8	1329.9	1334.2	1330.4
30°	1237.9	1234.6	1240.8	1250.4	1257.3	1247.0
35°	1145.9	1142.1	1154.3	1161.7	1167.5	1159.3
40°	1050.6	1048.4	1058.0	1068.6	1069.3	1065.9
45°	949.0	949.0	953.1	966.3	965.3	966.5
50°	847.0	854.9	852.0	859.4	864.7	868.1
55°	744.9	744.0	750.0	753.1	759.1	756.4
60°	636.2	633.1	640.0	647.0	649.6	650.6
65°	526.3	519.3	526.7	539.7	537.5	536.3
70°	413.2	411.3	416.3	427.3	426.4	423.3
75°	305.4	297.3	310.0	316.4	315.0	310.7
80°	200.2	193.1	205.5	210.5	210.1	204.8
85°	114.3	108.7	116.9	123.4	123.6	118.8
90°	8.1	8.4	9.8	12.5	13.4	14.6
95°	12.2	3.8	9.3	7.9	10.8	11.5
100°	24.2	20.1	22.8	22.3	10.3	10.1
105°	24.0	29.5	25.2	31.1	31.9	32.1
110°	20.6	26.3	21.6	26.6	30.7	36.4
115°	18.7	24.4	20.4	19.4	28.0	34.3
120°	18.4	23.5	18.7	12.5	19.4	22.5
125°	17.5	22.0	17.5	12.0	9.3	10.1
130°	15.3	20.6	15.3	10.8	8.4	3.8
135°	13.7	18.0	12.0	9.6	7.9	4.1
140°	11.3	17.5	10.8	11.0	7.4	3.8
145°	13.2	14.6	13.4	11.0	7.2	4.1
150°	13.4	14.4	13.2	10.3	6.5	4.1
155°	10.8	12.9	8.6	8.4	5.5	3.8
160°	8.1	7.2	7.4	7.2	5.3	4.1
165°	6.5	6.5	6.2	6.2	4.6	4.1
170°	6.0	6.2	6.0	5.0	4.3	3.6
175°	4.3	5.3	4.6	4.6	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)