

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: P566618

Luminaire Tested: **4SNX-60SL-FDL-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566618  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-60SL-FDL-UNV-L930-CD  
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

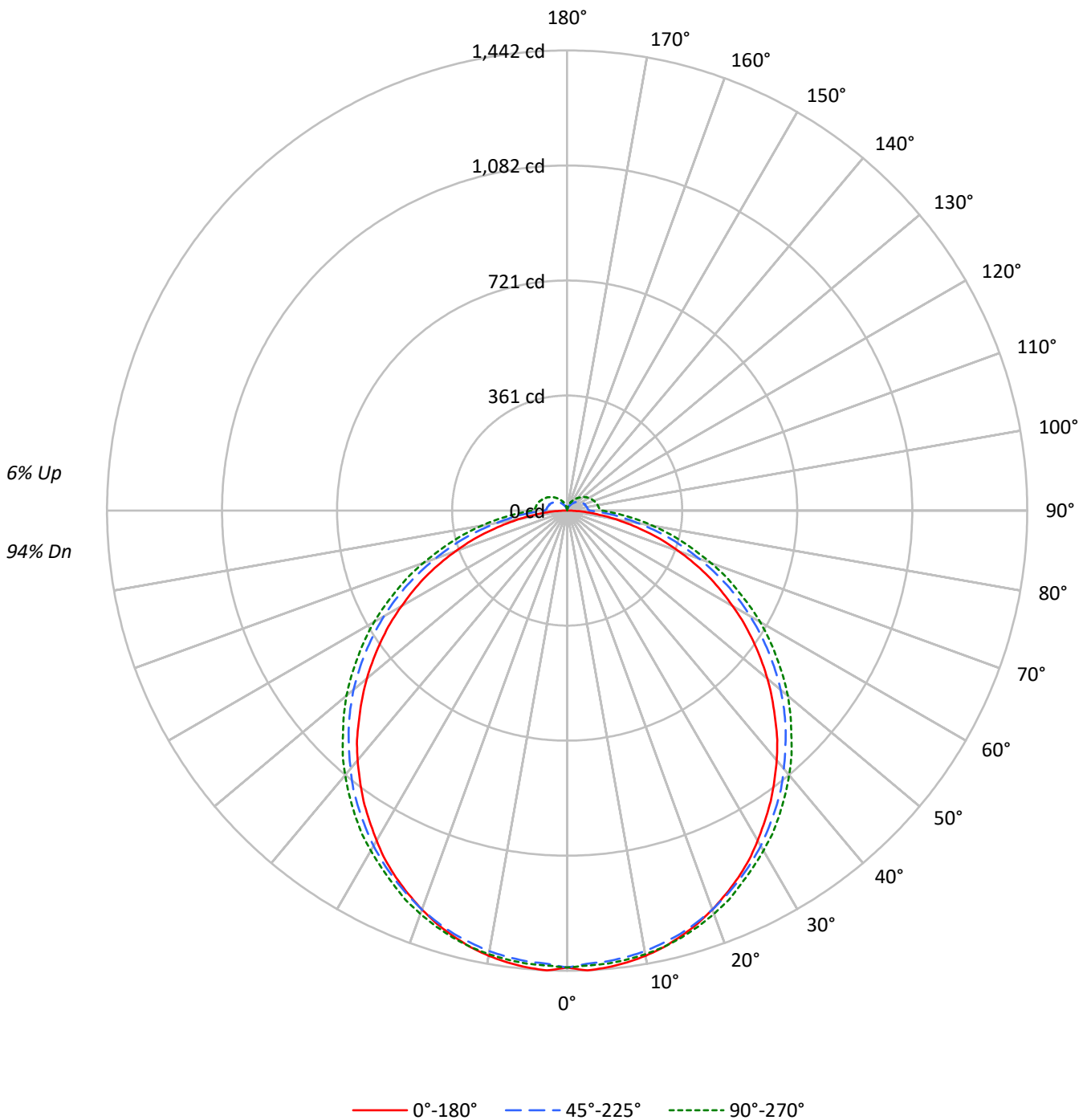
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4550.0 lumens  
Efficiency: N/A  
Efficacy: 108.3 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')  
CIE Type: Direct

Input Watts (W): 42  
Input Voltage (V): NR  
Input Current (Ain): 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	
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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	15412	15412	15412
5°	15517	15157	15180
10°	15454	14993	14989
15°	15338	14804	14775
20°	15181	14574	14523
25°	14999	14322	14225
30°	14753	14065	13950
35°	14505	13764	13663
40°	14232	13431	13339
45°	13887	13102	12963
50°	13553	12727	12618
55°	13142	12263	12140
60°	12677	11731	11670
65°	12185	11097	11022
70°	11339	10301	10349
75°	10320	9365	9546
80°	8820	8119	8652
85°	6931	7041	7606



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	135.8	3.0
10°-20°	389.6	8.6
20°-30°	590.5	13.0
30°-40°	712.8	15.7
40°-50°	744.4	16.4
50°-60°	683.9	15.0
60°-70°	540.8	11.9
70°-80°	342.3	7.5
80°-90°	147.1	3.2
90°-100°	64.7	1.4
100°-110°	58.0	1.3
110°-120°	49.0	1.1
120°-130°	38.1	0.8
130°-140°	26.4	0.6
140°-150°	15.9	0.3
150°-160°	7.7	0.2
160°-170°	2.7	0.1
170°-180°	0.4	0.0
0°-30°	1115.9	24.5
0°-40°	1828.8	40.2
0°-60°	3257.0	71.6
0°-90°	4287.1	94.2
90°-120°	171.7	3.8
90°-150°	252.1	5.5
90°-180°	263.0	5.8
0°-180°	4550.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1432	1432	1432	1432	1432	
5°	1437	1433	1418	1430	1425	136
15°	1380	1380	1373	1388	1385	389
25°	1269	1275	1276	1293	1291	584
35°	1112	1125	1139	1157	1161	695
45°	922	944	968	987	994	712
55°	711	740	770	795	801	636
65°	489	516	553	578	587	482
75°	258	288	330	359	372	273
85°	63	97	139	168	179	69
90°	4	35	71	99	110	5
95°	1	30	64	90	100	1
105°	1	27	60	85	94	1
115°	1	23	55	76	85	1
125°	2	21	46	66	73	1
135°	2	16	37	52	59	1
145°	2	12	26	40	44	1
155°	2	8	17	25	30	1
165°	2	6	9	12	17	1
175°	2	3	4	4	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1431.8	1431.8	1431.8	1431.8	1431.8
2.5°	1442.3	1437.4	1421.3	1432.6	1427.0
5°	1437.4	1433.4	1418.1	1430.2	1425.4
7.5°	1428.6	1425.4	1411.7	1424.5	1419.7
10°	1416.5	1414.1	1402.0	1414.9	1411.7
12.5°	1401.2	1400.4	1388.3	1402.8	1400.4
15°	1380.2	1380.2	1373.0	1387.5	1385.1
17.5°	1357.7	1358.5	1352.8	1368.1	1366.5
20°	1330.3	1334.3	1330.3	1346.4	1344.8
22.5°	1300.5	1306.1	1304.5	1320.6	1321.4
25°	1269.0	1274.7	1276.3	1293.2	1290.8
27.5°	1234.4	1243.3	1246.5	1261.8	1261.0
30°	1194.1	1206.2	1213.4	1226.3	1230.4
32.5°	1153.0	1167.5	1176.4	1194.1	1198.9
35°	1111.9	1124.8	1139.3	1157.0	1161.1
37.5°	1066.8	1081.3	1100.6	1117.6	1122.4
40°	1021.7	1037.8	1056.3	1074.9	1082.1
42.5°	974.9	991.9	1012.0	1033.8	1041.0
45°	921.8	944.3	968.5	987.0	993.5
47.5°	871.0	896.0	921.8	941.9	949.2
50°	819.4	846.0	873.4	892.0	903.2
52.5°	765.5	794.5	821.9	845.2	852.5
55°	710.7	739.7	770.3	795.3	800.9
57.5°	657.5	685.7	716.3	739.7	750.9
60°	599.5	630.1	663.1	686.5	698.6
62.5°	543.1	572.9	608.3	633.3	643.0
65°	489.1	516.5	552.7	578.5	587.4
67.5°	429.5	460.9	495.5	525.3	536.6
70°	370.6	400.5	439.9	468.1	479.4
72.5°	315.8	344.9	384.3	412.5	423.0
75°	257.8	288.5	330.4	358.6	372.3
77.5°	202.2	236.1	276.4	307.0	322.3
80°	150.7	180.5	224.0	257.8	271.5
82.5°	102.3	134.6	179.7	211.1	226.4
85°	62.8	96.7	138.6	168.4	178.9
87.5°	29.8	62.0	100.7	129.7	142.6
90°	4.0	34.6	70.9	99.1	109.6
92.5°	0.8	29.8	65.3	91.9	101.5
95°	0.8	29.8	64.5	90.2	99.9
97.5°	0.8	29.0	63.7	89.4	98.3
100°	0.8	28.2	62.8	87.8	97.5
102.5°	0.8	28.2	61.2	86.2	95.1
105°	0.8	27.4	60.4	84.6	93.5
107.5°	0.8	26.6	58.8	83.0	91.9
110°	0.8	25.0	58.0	80.6	89.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	24.2	56.4	79.0	87.0
115°	0.8	23.4	54.8	76.5	84.6
117.5°	0.8	22.6	52.4	74.1	82.2
120°	1.6	22.6	50.8	71.7	79.0
122.5°	1.6	21.8	48.3	68.5	75.7
125°	1.6	20.9	45.9	66.1	73.3
127.5°	1.6	20.1	43.5	62.8	69.3
130°	1.6	18.5	41.9	59.6	66.1
132.5°	1.6	17.7	39.5	55.6	62.0
135°	1.6	16.1	37.1	52.4	58.8
137.5°	1.6	15.3	34.6	49.2	54.8
140°	1.6	14.5	31.4	45.9	51.6
142.5°	1.6	12.9	29.0	42.7	47.5
145°	1.6	12.1	25.8	39.5	43.5
147.5°	1.6	10.5	23.4	36.3	40.3
150°	1.6	9.7	20.9	33.0	37.1
152.5°	1.6	8.9	18.5	29.0	33.0
155°	1.6	8.1	16.9	25.0	29.8
157.5°	1.6	7.3	14.5	21.8	26.6
160°	2.4	6.4	12.9	18.5	22.6
162.5°	2.4	5.6	10.5	15.3	20.1
165°	2.4	5.6	8.9	12.1	16.9
167.5°	2.4	4.8	7.3	9.7	13.7
170°	2.4	4.0	6.4	7.3	10.5
172.5°	2.4	3.2	4.8	4.8	5.6
175°	2.4	3.2	4.0	4.0	2.4
177.5°	2.4	2.4	2.4	2.4	1.6
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)