

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: P566570

Luminaire Tested: **4SNX-57SL-FDL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566570
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-57SL-FDL-UNV-L930-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

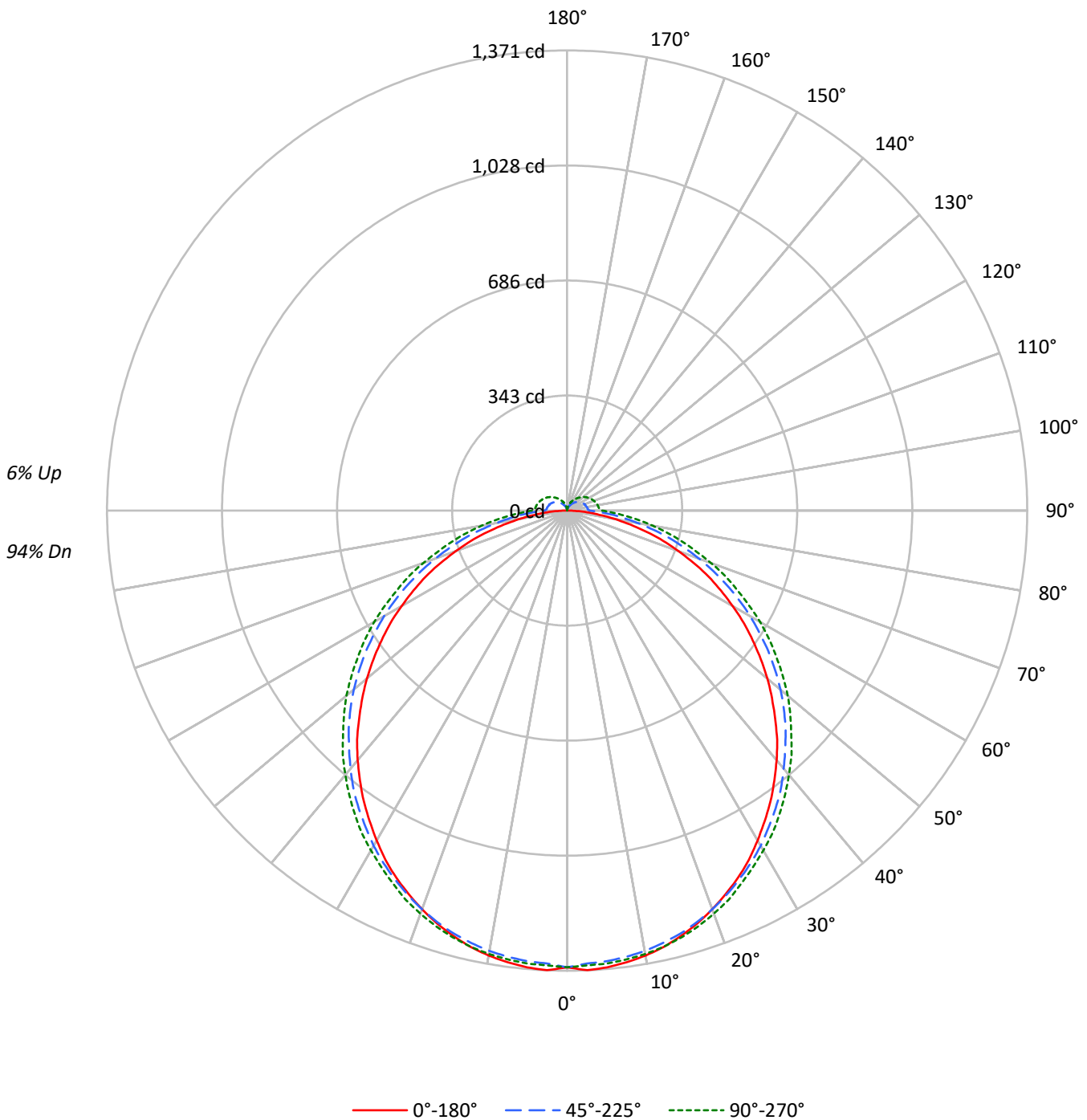
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4324.0 lumens
Efficiency: N/A
Efficacy: 108.9 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): 39.7
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	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°	14646	14646	14646
5°	14746	14404	14426
10°	14686	14247	14244
15°	14576	14068	14041
20°	14426	13850	13802
25°	14254	13610	13518
30°	14020	13367	13258
35°	13785	13080	12984
40°	13524	12765	12677
45°	13197	12452	12318
50°	12880	12094	11992
55°	12489	11653	11537
60°	12047	11149	11091
65°	11580	10547	10474
70°	10776	9790	9835
75°	9808	8897	9071
80°	8381	7717	8221
85°	6589	6690	7227



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.0	3.0
10°-20°	370.3	8.6
20°-30°	561.2	13.0
30°-40°	677.4	15.7
40°-50°	707.4	16.4
50°-60°	649.9	15.0
60°-70°	513.9	11.9
70°-80°	325.2	7.5
80°-90°	139.8	3.2
90°-100°	61.5	1.4
100°-110°	55.1	1.3
110°-120°	46.5	1.1
120°-130°	36.2	0.8
130°-140°	25.1	0.6
140°-150°	15.1	0.3
150°-160°	7.4	0.2
160°-170°	2.5	0.1
170°-180°	0.4	0.0
0°-30°	1060.5	24.5
0°-40°	1737.9	40.2
0°-60°	3095.2	71.6
0°-90°	4074.1	94.2
90°-120°	163.1	3.8
90°-150°	239.5	5.5
90°-180°	250.0	5.8
0°-180°	4324.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1361	1361	1361	1361	1361	
5°	1366	1362	1348	1359	1355	130
15°	1312	1312	1305	1319	1316	370
25°	1206	1211	1213	1229	1227	555
35°	1057	1069	1083	1100	1103	661
45°	876	897	920	938	944	677
55°	675	703	732	756	761	604
65°	465	491	525	550	558	458
75°	245	274	314	341	354	260
85°	60	92	132	160	170	66
90°	4	33	67	94	104	5
95°	1	28	61	86	95	1
105°	1	26	57	80	89	1
115°	1	22	52	73	80	1
125°	2	20	44	63	70	1
135°	2	15	35	50	56	1
145°	2	12	24	38	41	1
155°	2	8	16	24	28	1
165°	2	5	8	12	16	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°	1360.7	1360.7	1360.7	1360.7	1360.7
2.5°	1370.6	1366.0	1350.7	1361.4	1356.1
5°	1366.0	1362.2	1347.7	1359.1	1354.6
7.5°	1357.6	1354.6	1341.5	1353.8	1349.2
10°	1346.1	1343.8	1332.3	1344.6	1341.5
12.5°	1331.6	1330.8	1319.3	1333.1	1330.8
15°	1311.7	1311.7	1304.8	1318.6	1316.3
17.5°	1290.2	1291.0	1285.6	1300.2	1298.7
20°	1264.2	1268.0	1264.2	1279.5	1278.0
22.5°	1235.9	1241.2	1239.7	1255.0	1255.8
25°	1206.0	1211.4	1212.9	1229.0	1226.7
27.5°	1173.1	1181.5	1184.6	1199.1	1198.3
30°	1134.8	1146.3	1153.2	1165.4	1169.3
32.5°	1095.7	1109.5	1117.9	1134.8	1139.4
35°	1056.7	1068.9	1082.7	1099.6	1103.4
37.5°	1013.8	1027.6	1046.0	1062.1	1066.6
40°	970.9	986.2	1003.9	1021.5	1028.4
42.5°	926.5	942.6	961.7	982.4	989.3
45°	876.0	897.4	920.4	938.0	944.1
47.5°	827.7	851.5	876.0	895.1	902.0
50°	778.7	804.0	830.0	847.7	858.4
52.5°	727.4	755.0	781.0	803.2	810.1
55°	675.4	702.9	732.0	755.8	761.1
57.5°	624.8	651.6	680.7	702.9	713.6
60°	569.7	598.8	630.2	652.4	663.9
62.5°	516.1	544.4	578.1	601.9	611.0
65°	464.8	490.8	525.3	549.8	558.2
67.5°	408.1	438.0	470.9	499.2	510.0
70°	352.2	380.6	418.1	444.9	455.6
72.5°	300.2	327.7	365.2	392.0	402.0
75°	245.0	274.1	313.9	340.7	353.8
77.5°	192.2	224.4	262.6	291.7	306.3
80°	143.2	171.5	212.9	245.0	258.0
82.5°	97.2	127.9	170.8	200.6	215.2
85°	59.7	91.9	131.7	160.0	170.0
87.5°	28.3	59.0	95.7	123.3	135.5
90°	3.8	32.9	67.4	94.2	104.1
92.5°	0.8	28.3	62.0	87.3	96.5
95°	0.8	28.3	61.3	85.8	94.9
97.5°	0.8	27.6	60.5	85.0	93.4
100°	0.8	26.8	59.7	83.5	92.7
102.5°	0.8	26.8	58.2	81.9	90.4
105°	0.8	26.0	57.4	80.4	88.8
107.5°	0.8	25.3	55.9	78.9	87.3
110°	0.8	23.7	55.1	76.6	85.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.8	23.0	53.6	75.0	82.7
115°	0.8	22.2	52.1	72.7	80.4
117.5°	0.8	21.4	49.8	70.4	78.1
120°	1.5	21.4	48.2	68.1	75.0
122.5°	1.5	20.7	45.9	65.1	72.0
125°	1.5	19.9	43.6	62.8	69.7
127.5°	1.5	19.1	41.3	59.7	65.9
130°	1.5	17.6	39.8	56.7	62.8
132.5°	1.5	16.8	37.5	52.8	59.0
135°	1.5	15.3	35.2	49.8	55.9
137.5°	1.5	14.5	32.9	46.7	52.1
140°	1.5	13.8	29.9	43.6	49.0
142.5°	1.5	12.3	27.6	40.6	45.2
145°	1.5	11.5	24.5	37.5	41.3
147.5°	1.5	10.0	22.2	34.5	38.3
150°	1.5	9.2	19.9	31.4	35.2
152.5°	1.5	8.4	17.6	27.6	31.4
155°	1.5	7.7	16.1	23.7	28.3
157.5°	1.5	6.9	13.8	20.7	25.3
160°	2.3	6.1	12.3	17.6	21.4
162.5°	2.3	5.4	10.0	14.5	19.1
165°	2.3	5.4	8.4	11.5	16.1
167.5°	2.3	4.6	6.9	9.2	13.0
170°	2.3	3.8	6.1	6.9	10.0
172.5°	2.3	3.1	4.6	4.6	5.4
175°	2.3	3.1	3.8	3.8	2.3
177.5°	2.3	2.3	2.3	2.3	1.5
180°	2.3	2.3	2.3	2.3	2.3

(END OF REPORT)