

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: P566746

Luminaire Tested: **4SNX-67SL-SLW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566746
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-67SL-SLW-UNV-L930-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

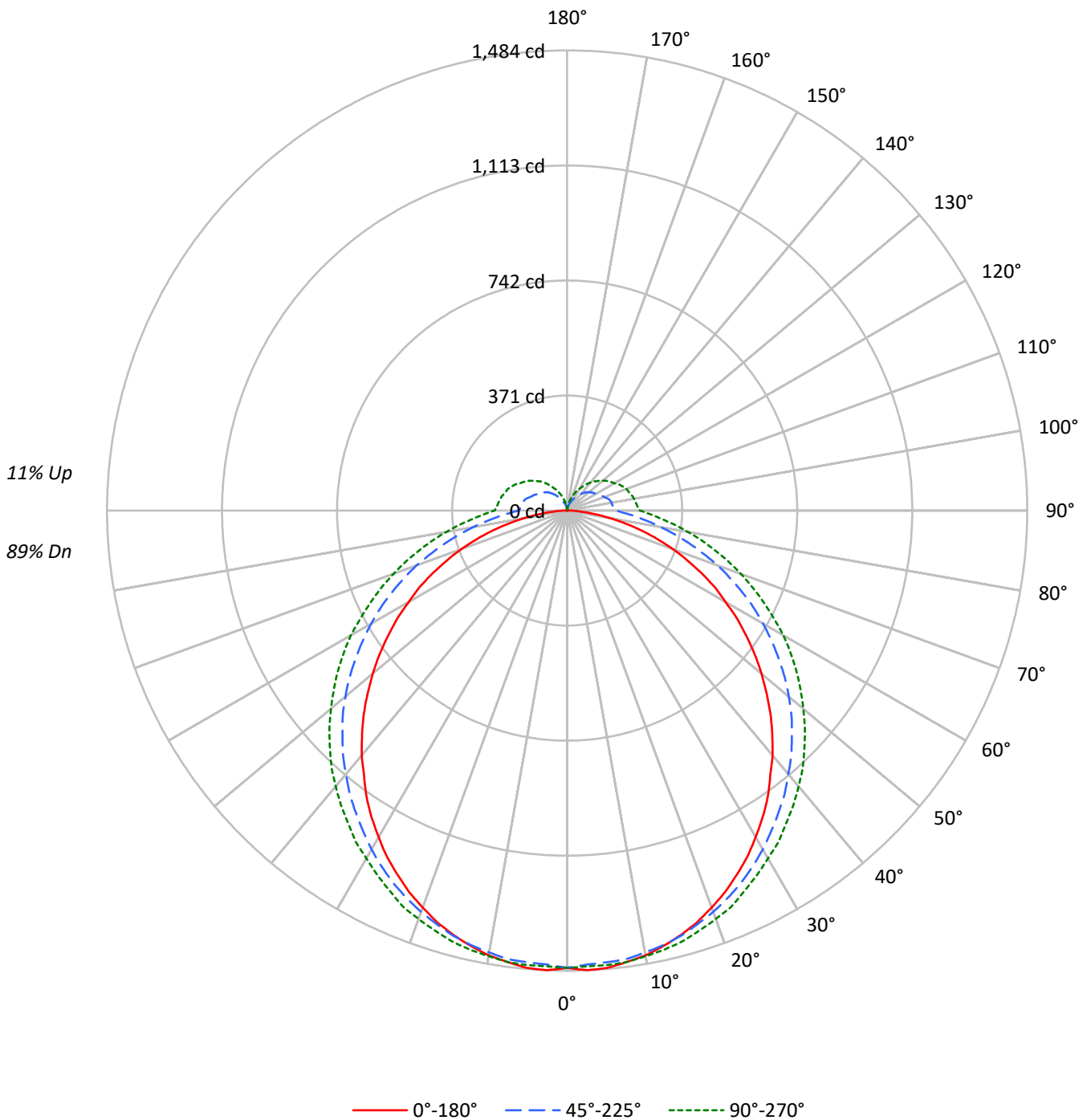
Lumens per Lamp: N/A
Luminaire Lumens: 5248.9 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 47.9
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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	77	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15871	15871	15871
5°	15968	15463	15450
10°	15858	15150	15068
15°	15700	14829	14715
20°	15484	14462	14323
25°	15234	14102	13914
30°	14935	13707	13508
35°	14609	13297	13127
40°	14233	12893	12762
45°	13827	12482	12369
50°	13364	12047	11928
55°	12855	11526	11494
60°	12257	10968	11011
65°	11639	10341	10402
70°	10772	9651	9808
75°	9623	8775	9148
80°	7753	7884	8498
85°	5460	7116	7830



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.0	2.7
10°-20°	402.5	7.7
20°-30°	612.1	11.7
30°-40°	743.0	14.2
40°-50°	785.1	15.0
50°-60°	734.7	14.0
60°-70°	602.8	11.5
70°-80°	414.6	7.9
80°-90°	227.0	4.3
90°-100°	146.2	2.8
100°-110°	131.2	2.5
110°-120°	108.6	2.1
120°-130°	83.6	1.6
130°-140°	58.8	1.1
140°-150°	35.4	0.7
150°-160°	17.0	0.3
160°-170°	5.6	0.1
170°-180°	0.7	0.0
0°-30°	1154.7	22.0
0°-40°	1897.7	36.2
0°-60°	3417.5	65.1
0°-90°	4662.0	88.8
90°-120°	386.0	7.4
90°-150°	563.8	10.7
90°-180°	587.0	11.2
0°-180°	5248.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1474	1474	1474	1474	1474	
5°	1480	1478	1462	1474	1471	140
15°	1417	1423	1420	1438	1438	399
25°	1295	1310	1326	1353	1353	597
35°	1128	1155	1189	1222	1231	705
45°	927	970	1024	1070	1082	715
55°	705	763	833	885	903	631
65°	477	541	623	681	699	473
75°	249	316	407	471	492	262
85°	55	131	222	283	304	63
90°	0	73	155	213	234	4
95°	0	70	149	204	225	0
105°	0	58	140	192	210	2
115°	3	52	119	170	192	3
125°	3	43	100	146	164	3
135°	3	33	82	119	134	2
145°	3	24	58	91	100	2
155°	3	15	36	58	67	1
165°	3	9	18	27	33	1
175°	3	3	6	6	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1474.5	1474.5	1474.5	1474.5	1474.5
2.5°	1483.6	1480.5	1465.3	1477.5	1471.4
5°	1480.5	1477.5	1462.3	1474.5	1471.4
7.5°	1468.4	1468.4	1459.3	1471.4	1468.4
10°	1456.2	1456.2	1447.1	1462.3	1459.3
12.5°	1438.0	1441.0	1434.9	1453.2	1450.1
15°	1416.7	1422.8	1419.7	1438.0	1438.0
17.5°	1392.4	1398.5	1398.5	1419.7	1419.7
20°	1362.0	1371.1	1377.2	1401.5	1401.5
22.5°	1331.6	1343.7	1352.9	1374.1	1383.3
25°	1295.1	1310.3	1325.5	1352.9	1352.9
27.5°	1258.6	1276.8	1295.1	1322.5	1325.5
30°	1216.0	1237.3	1261.6	1289.0	1295.1
32.5°	1173.5	1200.8	1225.2	1258.6	1267.7
35°	1127.9	1155.2	1188.7	1222.1	1231.2
37.5°	1076.2	1109.6	1152.2	1188.7	1197.8
40°	1030.6	1067.1	1109.6	1152.2	1161.3
42.5°	978.9	1018.4	1070.1	1109.6	1124.8
45°	927.2	969.8	1024.5	1070.1	1082.3
47.5°	872.5	921.2	982.0	1024.5	1039.7
50°	817.8	869.5	933.3	982.0	994.1
52.5°	763.1	817.8	884.7	933.3	948.5
55°	705.3	763.1	833.0	884.7	902.9
57.5°	650.6	708.3	781.3	836.0	854.3
60°	589.8	656.7	729.6	784.3	805.6
62.5°	538.1	598.9	677.9	732.7	750.9
65°	477.3	541.1	623.2	681.0	699.2
67.5°	419.5	486.4	568.5	629.3	647.5
70°	361.8	428.7	516.8	574.6	595.9
72.5°	304.0	373.9	459.1	522.9	544.2
75°	249.3	316.2	407.4	471.2	492.5
77.5°	191.5	264.5	355.7	419.5	443.9
80°	139.8	215.8	307.1	370.9	395.2
82.5°	94.2	170.2	261.4	325.3	349.6
85°	54.7	130.7	221.9	282.7	304.0
87.5°	27.4	100.3	185.4	246.2	267.5
90°	0.0	73.0	155.0	212.8	234.1
92.5°	0.0	69.9	152.0	206.7	228.0
95°	0.0	69.9	149.0	203.7	225.0
97.5°	0.0	66.9	145.9	203.7	221.9
100°	0.0	63.8	145.9	200.6	218.9
102.5°	0.0	60.8	142.9	197.6	215.8
105°	0.0	57.8	139.8	191.5	209.8
107.5°	3.0	57.8	133.8	188.5	206.7
110°	3.0	54.7	127.7	185.4	203.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.0	51.7	121.6	179.4	197.6
115°	3.0	51.7	118.6	170.2	191.5
117.5°	3.0	48.6	112.5	164.2	185.4
120°	3.0	48.6	109.4	158.1	176.3
122.5°	3.0	45.6	103.4	152.0	170.2
125°	3.0	42.6	100.3	145.9	164.2
127.5°	3.0	39.5	97.3	139.8	158.1
130°	3.0	36.5	91.2	133.8	149.0
132.5°	3.0	36.5	88.2	124.6	142.9
135°	3.0	33.4	82.1	118.6	133.8
137.5°	3.0	30.4	76.0	112.5	127.7
140°	3.0	27.4	69.9	106.4	118.6
142.5°	3.0	27.4	63.8	97.3	109.4
145°	3.0	24.3	57.8	91.2	100.3
147.5°	3.0	21.3	51.7	82.1	91.2
150°	3.0	21.3	45.6	73.0	82.1
152.5°	3.0	18.2	39.5	66.9	76.0
155°	3.0	15.2	36.5	57.8	66.9
157.5°	3.0	15.2	30.4	48.6	57.8
160°	3.0	12.2	27.4	39.5	48.6
162.5°	3.0	12.2	24.3	33.4	42.6
165°	3.0	9.1	18.2	27.4	33.4
167.5°	3.0	9.1	15.2	21.3	27.4
170°	3.0	6.1	12.2	15.2	21.3
172.5°	3.0	6.1	9.1	9.1	9.1
175°	3.0	3.0	6.1	6.1	3.0
177.5°	3.0	3.0	3.0	3.0	3.0
180°	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)