

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: P566748

Luminaire Tested: **4SNX-67SL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566748
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-L940-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

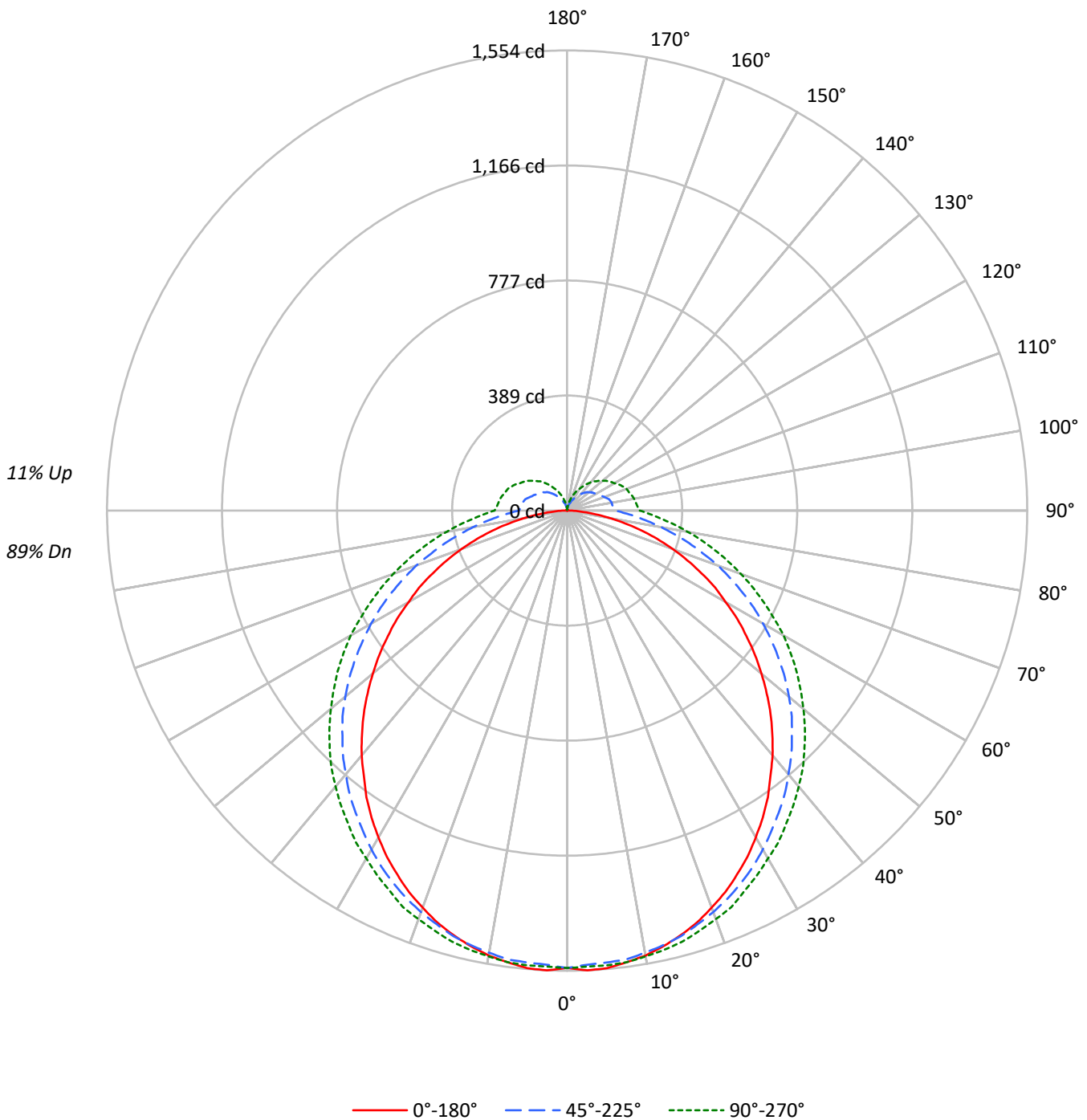
Lumens per Lamp: N/A
Luminaire Lumens: 5499.0 lumens
Efficiency: N/A
Efficacy: 114.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

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	76	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°	16627	16627	16627
5°	16729	16199	16186
10°	16614	15872	15786
15°	16448	15537	15416
20°	16221	15151	15005
25°	15960	14774	14576
30°	15647	14360	14151
35°	15304	13931	13753
40°	14912	13508	13370
45°	14487	13077	12957
50°	14000	12622	12496
55°	13467	12076	12042
60°	12841	11491	11536
65°	12192	10834	10898
70°	11284	10110	10273
75°	10082	9193	9584
80°	8125	8259	8902
85°	5720	7456	8204



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.7	2.7
10°-20°	421.7	7.7
20°-30°	641.2	11.7
30°-40°	778.4	14.2
40°-50°	822.5	15.0
50°-60°	769.7	14.0
60°-70°	631.5	11.5
70°-80°	434.4	7.9
80°-90°	237.9	4.3
90°-100°	153.2	2.8
100°-110°	137.5	2.5
110°-120°	113.8	2.1
120°-130°	87.6	1.6
130°-140°	61.6	1.1
140°-150°	37.1	0.7
150°-160°	17.8	0.3
160°-170°	5.8	0.1
170°-180°	0.7	0.0
0°-30°	1209.7	22.0
0°-40°	1988.1	36.2
0°-60°	3580.3	65.1
0°-90°	4884.0	88.8
90°-120°	404.4	7.4
90°-150°	590.7	10.7
90°-180°	615.0	11.2
0°-180°	5499.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1545	1545	1545	1545	1545	
5°	1551	1548	1532	1545	1542	147
15°	1484	1490	1487	1506	1506	419
25°	1357	1373	1389	1417	1417	625
35°	1182	1210	1245	1280	1290	738
45°	971	1016	1073	1121	1134	749
55°	739	799	873	927	946	661
65°	500	567	653	713	732	495
75°	261	331	427	494	516	275
85°	57	137	232	296	318	66
90°	0	76	162	223	245	4
95°	0	73	156	213	236	0
105°	0	60	146	201	220	2
115°	3	54	124	178	201	3
125°	3	45	105	153	172	3
135°	3	35	86	124	140	2
145°	3	26	60	96	105	2
155°	3	16	38	60	70	1
165°	3	10	19	29	35	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°	1544.7	1544.7	1544.7	1544.7	1544.7
2.5°	1554.2	1551.1	1535.1	1547.9	1541.5
5°	1551.1	1547.9	1531.9	1544.7	1541.5
7.5°	1538.3	1538.3	1528.8	1541.5	1538.3
10°	1525.6	1525.6	1516.0	1531.9	1528.8
12.5°	1506.5	1509.6	1503.3	1522.4	1519.2
15°	1484.2	1490.5	1487.4	1506.5	1506.5
17.5°	1458.7	1465.1	1465.1	1487.4	1487.4
20°	1426.8	1436.4	1442.8	1468.2	1468.2
22.5°	1395.0	1407.7	1417.3	1439.6	1449.1
25°	1356.8	1372.7	1388.6	1417.3	1417.3
27.5°	1318.6	1337.7	1356.8	1385.4	1388.6
30°	1274.0	1296.3	1321.7	1350.4	1356.8
32.5°	1229.4	1258.0	1283.5	1318.6	1328.1
35°	1181.6	1210.3	1245.3	1280.3	1289.9
37.5°	1127.5	1162.5	1207.1	1245.3	1254.9
40°	1079.7	1117.9	1162.5	1207.1	1216.6
42.5°	1025.5	1066.9	1121.1	1162.5	1178.4
45°	971.4	1016.0	1073.3	1121.1	1133.8
47.5°	914.1	965.0	1028.7	1073.3	1089.2
50°	856.7	910.9	977.8	1028.7	1041.5
52.5°	799.4	856.7	926.8	977.8	993.7
55°	738.9	799.4	872.7	926.8	945.9
57.5°	681.6	742.1	818.5	875.9	895.0
60°	617.9	687.9	764.4	821.7	844.0
62.5°	563.7	627.4	710.2	767.6	786.7
65°	500.0	566.9	652.9	713.4	732.5
67.5°	439.5	509.6	595.6	659.3	678.4
70°	379.0	449.1	541.4	601.9	624.2
72.5°	318.5	391.7	480.9	547.8	570.1
75°	261.2	331.2	426.8	493.7	516.0
77.5°	200.6	277.1	372.6	439.5	465.0
80°	146.5	226.1	321.7	388.6	414.0
82.5°	98.7	178.4	273.9	340.8	366.3
85°	57.3	137.0	232.5	296.2	318.5
87.5°	28.7	105.1	194.3	258.0	280.3
90°	0.0	76.4	162.4	222.9	245.2
92.5°	0.0	73.3	159.2	216.6	238.9
95°	0.0	73.3	156.1	213.4	235.7
97.5°	0.0	70.1	152.9	213.4	232.5
100°	0.0	66.9	152.9	210.2	229.3
102.5°	0.0	63.7	149.7	207.0	226.1
105°	0.0	60.5	146.5	200.6	219.8
107.5°	3.2	60.5	140.1	197.5	216.6
110°	3.2	57.3	133.8	194.3	213.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.2	54.1	127.4	187.9	207.0
115°	3.2	54.1	124.2	178.4	200.6
117.5°	3.2	51.0	117.8	172.0	194.3
120°	3.2	51.0	114.7	165.6	184.7
122.5°	3.2	47.8	108.3	159.2	178.4
125°	3.2	44.6	105.1	152.9	172.0
127.5°	3.2	41.4	101.9	146.5	165.6
130°	3.2	38.2	95.5	140.1	156.1
132.5°	3.2	38.2	92.4	130.6	149.7
135°	3.2	35.0	86.0	124.2	140.1
137.5°	3.2	31.8	79.6	117.8	133.8
140°	3.2	28.7	73.3	111.5	124.2
142.5°	3.2	28.7	66.9	101.9	114.7
145°	3.2	25.5	60.5	95.5	105.1
147.5°	3.2	22.3	54.1	86.0	95.5
150°	3.2	22.3	47.8	76.4	86.0
152.5°	3.2	19.1	41.4	70.1	79.6
155°	3.2	15.9	38.2	60.5	70.1
157.5°	3.2	15.9	31.8	51.0	60.5
160°	3.2	12.7	28.7	41.4	51.0
162.5°	3.2	12.7	25.5	35.0	44.6
165°	3.2	9.6	19.1	28.7	35.0
167.5°	3.2	9.6	15.9	22.3	28.7
170°	3.2	6.4	12.7	15.9	22.3
172.5°	3.2	6.4	9.6	9.6	9.6
175°	3.2	3.2	6.4	6.4	3.2
177.5°	3.2	3.2	3.2	3.2	3.2
180°	3.2	3.2	3.2	3.2	3.2

(END OF REPORT)