

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: P566747

Luminaire Tested: **4SNX-67SL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566747
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-L935-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

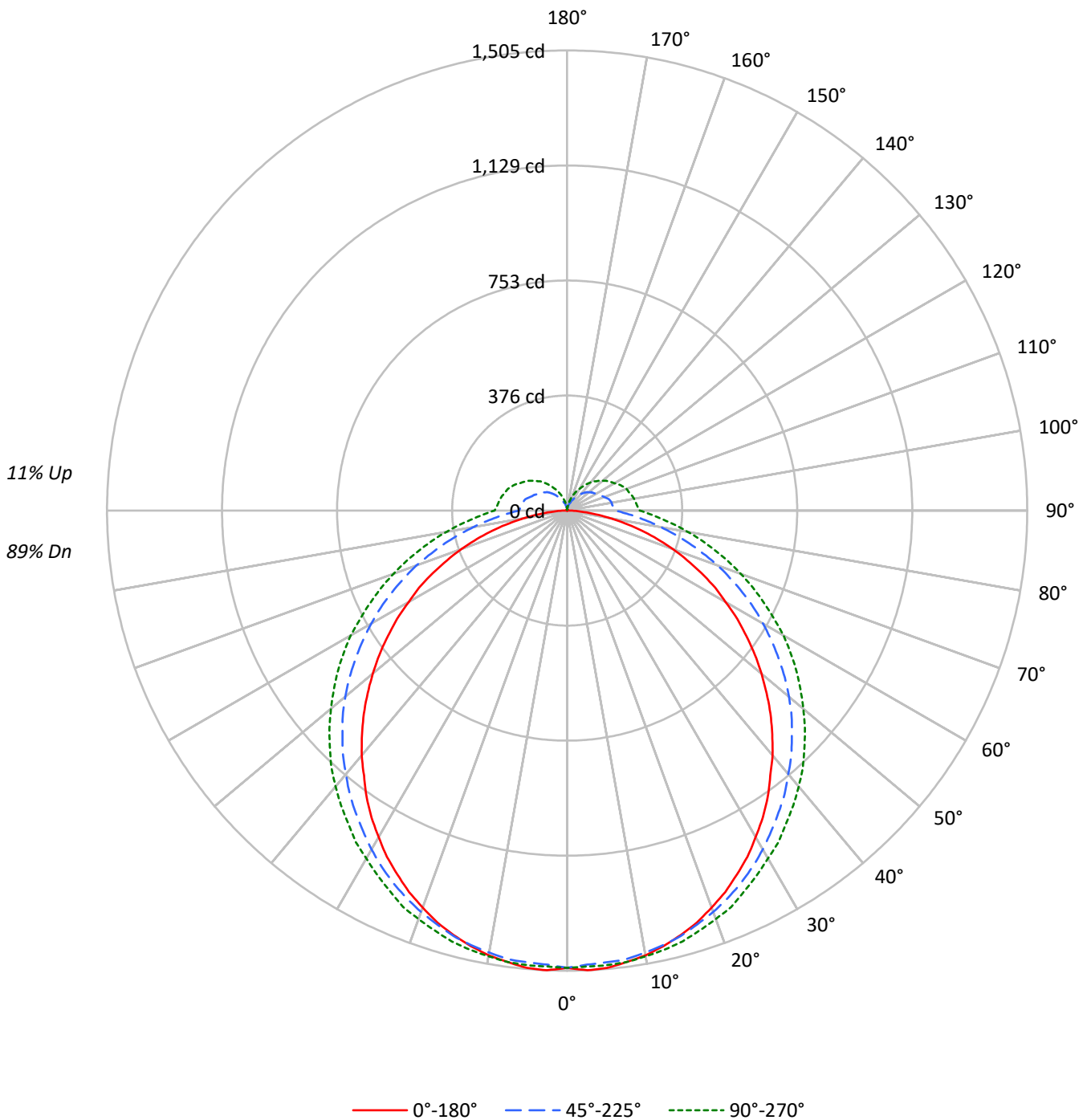
Lumens per Lamp: N/A
Luminaire Lumens: 5324.1 lumens
Efficiency: N/A
Efficacy: 111.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 47.9
Input Voltage (V): NR
Input Current (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				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°	16097	16097	16097
5°	16197	15684	15670
10°	16085	15367	15283
15°	15924	15042	14925
20°	15705	14669	14527
25°	15452	14303	14112
30°	15149	13903	13701
35°	14817	13488	13314
40°	14436	13078	12945
45°	14026	12661	12545
50°	13555	12220	12098
55°	13039	11691	11658
60°	12431	11126	11168
65°	11805	10489	10551
70°	10924	9789	9948
75°	9762	8900	9278
80°	7864	7994	8620
85°	5540	7219	7944



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.1	2.7
10°-20°	408.3	7.7
20°-30°	620.8	11.7
30°-40°	753.6	14.2
40°-50°	796.4	15.0
50°-60°	745.2	14.0
60°-70°	611.4	11.5
70°-80°	420.6	7.9
80°-90°	230.3	4.3
90°-100°	148.3	2.8
100°-110°	133.1	2.5
110°-120°	110.1	2.1
120°-130°	84.8	1.6
130°-140°	59.6	1.1
140°-150°	35.9	0.7
150°-160°	17.2	0.3
160°-170°	5.6	0.1
170°-180°	0.7	0.0
0°-30°	1171.2	22.0
0°-40°	1924.8	36.2
0°-60°	3466.3	65.1
0°-90°	4728.6	88.8
90°-120°	391.5	7.4
90°-150°	571.9	10.7
90°-180°	595.0	11.2
0°-180°	5324.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1496	1496	1496	1496	1496	
5°	1502	1499	1483	1496	1492	142
15°	1437	1443	1440	1458	1458	405
25°	1314	1329	1344	1372	1372	605
35°	1144	1172	1206	1240	1249	715
45°	940	984	1039	1085	1098	725
55°	715	774	845	897	916	640
65°	484	549	632	691	709	479
75°	253	321	413	478	500	266
85°	56	133	225	287	308	64
90°	0	74	157	216	237	4
95°	0	71	151	207	228	0
105°	0	59	142	194	213	2
115°	3	52	120	173	194	3
125°	3	43	102	148	166	3
135°	3	34	83	120	136	2
145°	3	25	59	92	102	2
155°	3	15	37	59	68	1
165°	3	9	18	28	34	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°	1495.5	1495.5	1495.5	1495.5	1495.5
2.5°	1504.8	1501.7	1486.3	1498.6	1492.4
5°	1501.7	1498.6	1483.2	1495.5	1492.4
7.5°	1489.4	1489.4	1480.1	1492.4	1489.4
10°	1477.0	1477.0	1467.8	1483.2	1480.1
12.5°	1458.5	1461.6	1455.4	1473.9	1470.9
15°	1436.9	1443.1	1440.0	1458.5	1458.5
17.5°	1412.3	1418.4	1418.4	1440.0	1440.0
20°	1381.4	1390.7	1396.9	1421.5	1421.5
22.5°	1350.6	1362.9	1372.2	1393.8	1403.0
25°	1313.6	1329.0	1344.4	1372.2	1372.2
27.5°	1276.6	1295.1	1313.6	1341.3	1344.4
30°	1233.4	1255.0	1279.7	1307.4	1313.6
32.5°	1190.3	1218.0	1242.7	1276.6	1285.8
35°	1144.0	1171.8	1205.7	1239.6	1248.8
37.5°	1091.6	1125.5	1168.7	1205.7	1214.9
40°	1045.3	1082.3	1125.5	1168.7	1177.9
42.5°	992.9	1033.0	1085.4	1125.5	1140.9
45°	940.5	983.7	1039.2	1085.4	1097.7
47.5°	885.0	934.3	996.0	1039.2	1054.6
50°	829.5	881.9	946.7	996.0	1008.3
52.5°	774.0	829.5	897.3	946.7	962.1
55°	715.4	774.0	844.9	897.3	915.8
57.5°	659.9	718.5	792.5	848.0	866.5
60°	598.2	666.0	740.1	795.6	817.1
62.5°	545.8	607.5	687.6	743.1	761.6
65°	484.1	548.9	632.1	690.7	709.2
67.5°	425.5	493.4	576.6	638.3	656.8
70°	366.9	434.8	524.2	582.8	604.4
72.5°	308.4	379.3	465.6	530.4	552.0
75°	252.9	320.7	413.2	478.0	499.5
77.5°	194.3	268.3	360.8	425.5	450.2
80°	141.8	218.9	311.4	376.2	400.9
82.5°	95.6	172.7	265.2	329.9	354.6
85°	55.5	132.6	225.1	286.8	308.4
87.5°	27.8	101.8	188.1	249.8	271.4
90°	0.0	74.0	157.3	215.8	237.4
92.5°	0.0	70.9	154.2	209.7	231.3
95°	0.0	70.9	151.1	206.6	228.2
97.5°	0.0	67.8	148.0	206.6	225.1
100°	0.0	64.8	148.0	203.5	222.0
102.5°	0.0	61.7	144.9	200.4	218.9
105°	0.0	58.6	141.8	194.3	212.8
107.5°	3.1	58.6	135.7	191.2	209.7
110°	3.1	55.5	129.5	188.1	206.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.1	52.4	123.3	181.9	200.4
115°	3.1	52.4	120.3	172.7	194.3
117.5°	3.1	49.3	114.1	166.5	188.1
120°	3.1	49.3	111.0	160.3	178.8
122.5°	3.1	46.3	104.8	154.2	172.7
125°	3.1	43.2	101.8	148.0	166.5
127.5°	3.1	40.1	98.7	141.8	160.3
130°	3.1	37.0	92.5	135.7	151.1
132.5°	3.1	37.0	89.4	126.4	144.9
135°	3.1	33.9	83.3	120.3	135.7
137.5°	3.1	30.8	77.1	114.1	129.5
140°	3.1	27.8	70.9	107.9	120.3
142.5°	3.1	27.8	64.8	98.7	111.0
145°	3.1	24.7	58.6	92.5	101.8
147.5°	3.1	21.6	52.4	83.3	92.5
150°	3.1	21.6	46.3	74.0	83.3
152.5°	3.1	18.5	40.1	67.8	77.1
155°	3.1	15.4	37.0	58.6	67.8
157.5°	3.1	15.4	30.8	49.3	58.6
160°	3.1	12.3	27.8	40.1	49.3
162.5°	3.1	12.3	24.7	33.9	43.2
165°	3.1	9.3	18.5	27.8	33.9
167.5°	3.1	9.3	15.4	21.6	27.8
170°	3.1	6.2	12.3	15.4	21.6
172.5°	3.1	6.2	9.3	9.3	9.3
175°	3.1	3.1	6.2	6.2	3.1
177.5°	3.1	3.1	3.1	3.1	3.1
180°	3.1	3.1	3.1	3.1	3.1

(END OF REPORT)