

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: P566728

Luminaire Tested: **4SNX-67SL-LN-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566728
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-67SL-LN-UNV-L840-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

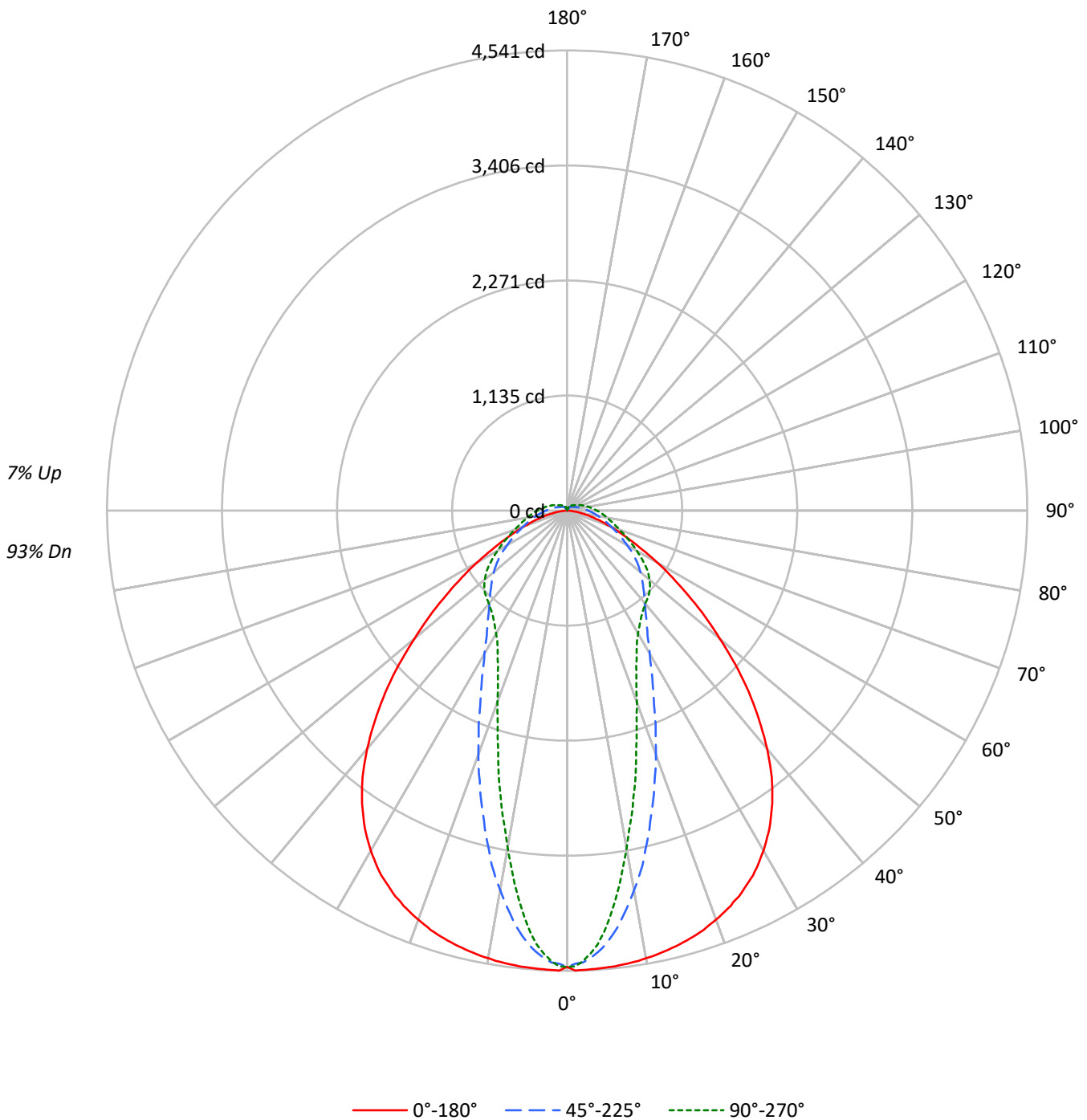
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7178.0 lumens
Efficiency: N/A
Efficacy: 149.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: 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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	48470	48470	48470
5°	48721	44548	42632
10°	48655	38196	33076
15°	48631	31158	24790
20°	48475	24820	18552
25°	48034	19449	14724
30°	47028	15741	12559
35°	45052	13321	11425
40°	41676	11761	10813
45°	37053	10760	10480
50°	31388	9901	9900
55°	25786	8972	9041
60°	20621	7893	7931
65°	16009	6929	6901
70°	12428	6128	6104
75°	9613	5508	5562
80°	6789	5039	5171
85°	3773	4698	4959



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	398.8	5.6
10°-20°	934.7	13.0
20°-30°	1109.5	15.5
30°-40°	1116.3	15.6
40°-50°	1037.7	14.5
50°-60°	854.4	11.9
60°-70°	602.1	8.4
70°-80°	393.4	5.5
80°-90°	251.1	3.5
90°-100°	164.7	2.3
100°-110°	111.8	1.6
110°-120°	76.6	1.1
120°-130°	53.0	0.7
130°-140°	35.7	0.5
140°-150°	22.0	0.3
150°-160°	11.4	0.2
160°-170°	4.1	0.1
170°-180°	0.7	0.0
0°-30°	2443.0	34.0
0°-40°	3559.3	49.6
0°-60°	5451.4	75.9
0°-90°	6697.9	93.3
90°-120°	353.1	4.9
90°-150°	463.8	6.5
90°-180°	480.0	6.7
0°-180°	7178.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4503	4503	4503	4503	4503	
5°	4526	4465	4304	4221	4176	431
15°	4413	3942	3171	2772	2622	1246
25°	4123	3047	2020	1697	1625	1897
35°	3529	2062	1369	1283	1275	2194
45°	2536	1358	1061	1117	1147	1947
55°	1456	892	820	910	940	1315
65°	685	538	564	636	658	695
75°	267	278	380	448	466	289
85°	45	128	256	331	346	57
90°	0	86	207	282	293	3
95°	0	64	173	237	248	0
105°	0	45	117	166	181	0
115°	4	38	83	120	128	3
125°	4	30	68	86	94	3
135°	4	26	53	68	72	3
145°	4	19	38	53	56	2
155°	4	15	26	38	41	2
165°	4	8	15	19	23	1
175°	8	8	8	8	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4503.0	4503.0	4503.0	4503.0	4503.0
1°	4540.6	4521.8	4472.9	4506.7	4499.2
2°	4536.8	4518.0	4461.6	4476.6	4450.3
3°	4533.1	4506.7	4420.2	4416.5	4378.8
4°	4529.3	4487.9	4367.5	4322.4	4292.3
5°	4525.5	4465.4	4303.6	4220.8	4175.7
6°	4521.8	4439.0	4220.8	4096.7	4032.7
7°	4514.3	4397.6	4134.3	3965.0	3882.3
8°	4506.7	4360.0	4025.2	3822.1	3720.5
9°	4499.2	4311.1	3916.1	3667.8	3547.5
10°	4484.2	4262.2	3803.3	3509.8	3381.9
11°	4476.6	4205.8	3694.2	3359.4	3208.9
12°	4461.6	4145.6	3577.6	3201.4	3069.7
13°	4446.5	4081.6	3434.6	3065.9	2907.9
14°	4431.5	4013.9	3310.5	2915.5	2768.7
15°	4412.7	3942.5	3171.3	2772.5	2622.0
16°	4393.9	3859.7	3047.1	2625.8	2467.8
17°	4375.1	3780.7	2930.5	2490.4	2347.4
18°	4352.5	3701.7	2795.1	2358.7	2219.5
19°	4322.4	3611.4	2686.0	2238.3	2110.4
20°	4296.1	3528.6	2561.8	2125.5	2012.6
21°	4266.0	3427.1	2437.7	2020.1	1907.3
22.5°	4220.8	3284.1	2279.7	1888.5	1783.1
23°	4198.3	3242.7	2215.7	1839.6	1749.3
24°	4168.2	3133.6	2110.4	1764.3	1674.0
25°	4123.0	3047.1	2020.1	1696.6	1625.1
26°	4081.6	2941.8	1929.8	1636.4	1564.9
27°	4040.3	2840.2	1850.8	1572.5	1512.3
28°	3987.6	2734.9	1764.3	1519.8	1467.1
29°	3931.2	2637.1	1692.8	1474.7	1433.3
30°	3874.7	2528.0	1632.7	1433.3	1399.4
32.5°	3716.7	2287.2	1478.4	1354.3	1331.7
35°	3528.6	2061.5	1369.3	1282.8	1275.3
37.5°	3318.0	1854.6	1271.5	1226.4	1233.9
40°	3069.7	1666.5	1188.8	1185.0	1200.0
42.5°	2806.4	1504.8	1124.8	1151.1	1173.7
45°	2535.5	1358.0	1060.9	1117.3	1147.4
47.5°	2253.4	1230.1	1004.4	1075.9	1109.8
50°	1967.5	1106.0	944.2	1027.0	1060.9
52.5°	1711.7	996.9	884.0	970.6	1008.2
55°	1455.8	891.6	820.1	910.4	940.5
57.5°	1233.9	793.8	752.4	842.7	865.2
60°	1027.0	699.7	684.7	767.4	793.8
62.5°	838.9	616.9	620.7	699.7	726.0
65°	684.7	537.9	564.3	635.8	658.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	556.8	462.7	507.9	583.1	601.9
70°	440.1	395.0	462.7	530.4	549.2
72.5°	349.9	334.8	417.6	489.0	504.1
75°	267.1	278.4	380.0	447.7	466.5
77.5°	191.9	233.2	342.3	413.8	428.9
80°	135.4	191.9	312.2	383.7	398.8
82.5°	86.5	158.0	282.1	357.4	372.4
85°	45.1	127.9	255.8	331.0	346.1
87.5°	18.8	105.3	229.5	304.7	319.8
90°	0.0	86.5	206.9	282.1	293.4
92.5°	0.0	75.2	188.1	259.6	270.9
95°	0.0	64.0	173.0	237.0	248.3
97.5°	0.0	60.2	154.2	218.2	229.5
100°	0.0	52.7	139.2	199.4	214.4
102.5°	0.0	48.9	127.9	180.6	195.6
105°	0.0	45.1	116.6	165.5	180.6
107.5°	0.0	41.4	109.1	154.2	165.5
110°	0.0	41.4	97.8	143.0	154.2
112.5°	3.8	37.6	90.3	127.9	139.2
115°	3.8	37.6	82.8	120.4	127.9
117.5°	3.8	37.6	79.0	109.1	116.6
120°	3.8	33.9	75.2	101.6	109.1
122.5°	3.8	33.9	71.5	94.0	97.8
125°	3.8	30.1	67.7	86.5	94.0
127.5°	3.8	30.1	64.0	82.8	86.5
130°	3.8	30.1	60.2	75.2	82.8
132.5°	3.8	26.3	56.4	71.5	75.2
135°	3.8	26.3	52.7	67.7	71.5
137.5°	3.8	22.6	48.9	64.0	67.7
140°	3.8	22.6	45.1	60.2	64.0
142.5°	3.8	18.8	41.4	56.4	60.2
145°	3.8	18.8	37.6	52.7	56.4
147.5°	3.8	18.8	33.9	48.9	52.7
150°	3.8	15.0	30.1	45.1	48.9
152.5°	3.8	15.0	26.3	41.4	45.1
155°	3.8	15.0	26.3	37.6	41.4
157.5°	3.8	11.3	22.6	30.1	37.6
160°	3.8	11.3	18.8	26.3	33.9
162.5°	3.8	11.3	18.8	22.6	26.3
165°	3.8	7.5	15.0	18.8	22.6
167.5°	3.8	7.5	11.3	15.0	18.8
170°	3.8	7.5	11.3	11.3	15.0
172.5°	3.8	7.5	7.5	7.5	7.5
175°	7.5	7.5	7.5	7.5	3.8
177.5°	7.5	7.5	7.5	3.8	3.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.8	3.8	3.8	3.8	3.8

(END OF REPORT)