

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: P566724

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566724
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-67SL-LC-UNV-L940-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

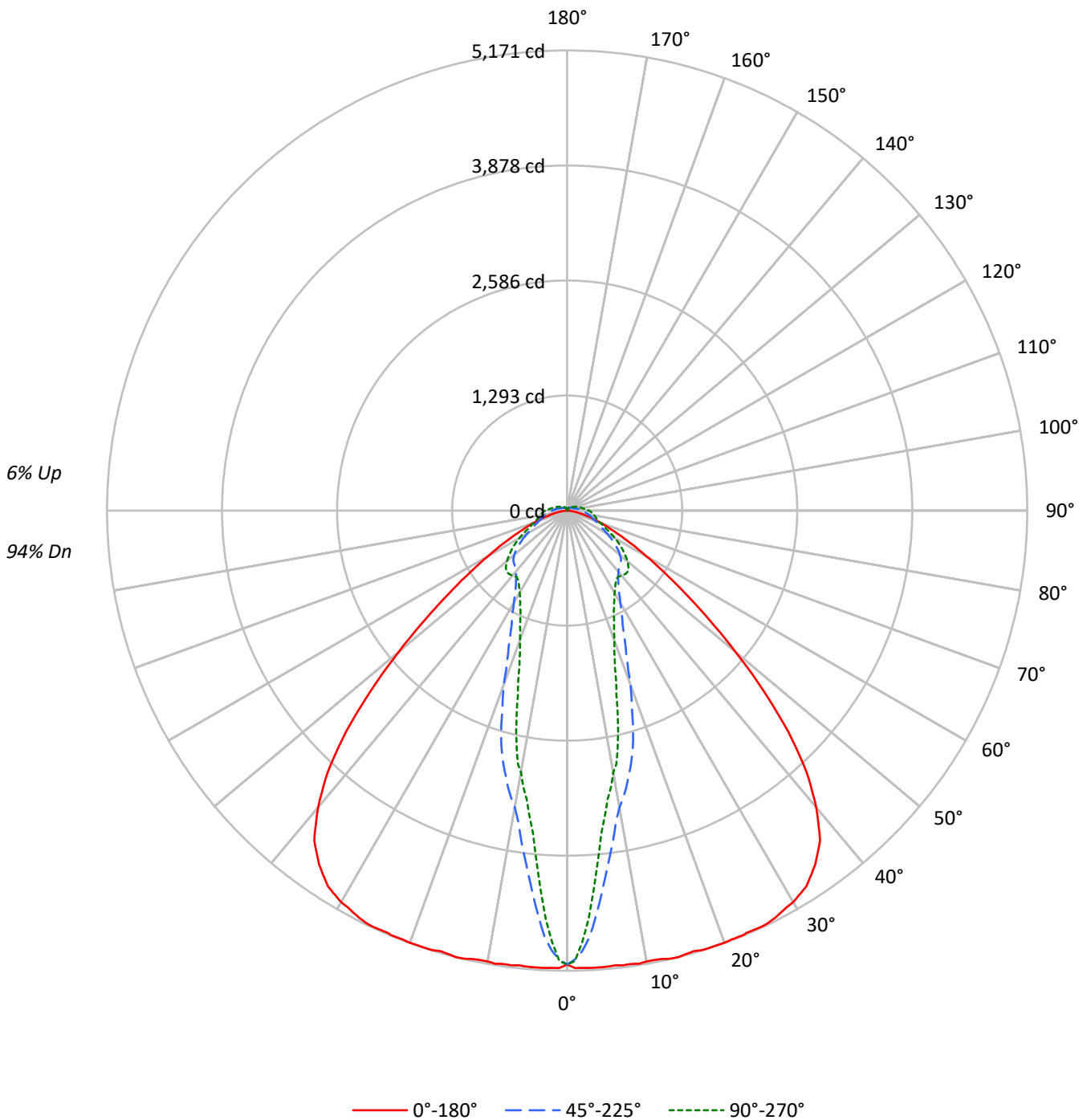
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6287.0 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
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 (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

TEST NUMBER: P566724
CATALOG NUMBER: 4SNX-67SL-LC-UNV-L940-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566724

CATALOG NUMBER: 4SNX-67SL-LC-UNV-L940-CD

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	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	54899	54899	54899
5°	55394	45092	40361
10°	55829	34041	29211
15°	56847	27825	20227
20°	58314	20134	14285
25°	60133	14425	11238
30°	61669	11524	9571
35°	62035	9748	8572
40°	59141	8861	8593
45°	51321	8561	8828
50°	39373	8143	8238
55°	28535	7120	7310
60°	20701	5942	6180
65°	15066	5025	5066
70°	11101	4438	4369
75°	7886	4109	4072
80°	5169	3848	4010
85°	2426	3669	4016



TEST NUMBER: P566724

CATALOG NUMBER: 4SNX-67SL-LC-UNV-L940-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	401.1	6.4
10°-20°	871.0	13.9
20°-30°	997.0	15.9
30°-40°	998.8	15.9
40°-50°	945.5	15.0
50°-60°	725.1	11.5
60°-70°	467.4	7.4
70°-80°	298.0	4.7
80°-90°	197.9	3.1
90°-100°	133.0	2.1
100°-110°	87.7	1.4
110°-120°	61.0	1.0
120°-130°	42.5	0.7
130°-140°	29.5	0.5
140°-150°	18.1	0.3
150°-160°	9.2	0.1
160°-170°	3.5	0.1
170°-180°	0.7	0.0
0°-30°	2269.1	36.1
0°-40°	3267.9	52.0
0°-60°	4938.5	78.6
0°-90°	5901.8	93.9
90°-120°	281.7	4.5
90°-150°	371.8	5.9
90°-180°	385.0	6.1
0°-180°	6287.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5100	5100	5100	5100	5100	
5°	5145	4862	4356	4063	3953	491
15°	5158	3715	2832	2326	2139	1463
25°	5162	2629	1498	1302	1240	2379
35°	4859	1463	1002	970	957	3015
45°	3512	925	844	934	967	2670
55°	1611	660	651	731	760	1481
65°	644	416	409	467	483	663
75°	219	226	284	325	342	241
85°	29	103	200	261	280	40
90°	0	71	168	232	242	1
95°	0	52	138	190	200	0
105°	0	39	90	129	138	2
115°	3	32	68	93	100	3
125°	3	29	58	68	71	3
135°	3	23	45	55	58	2
145°	3	16	32	42	45	2
155°	3	10	19	29	32	2
165°	6	6	13	16	19	2
175°	6	6	6	6	3	1
180°	6	6	6	6	6	



TEST NUMBER: P566724

CATALOG NUMBER: 4SNX-67SL-LC-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5100.3	5100.3	5100.3	5100.3	5100.3
1°	5142.2	5113.2	5045.5	5064.9	5061.7
2°	5142.2	5081.0	4948.9	4910.2	4852.2
3°	5145.4	5026.2	4800.7	4675.0	4594.5
4°	5145.4	4945.7	4581.6	4372.2	4269.1
5°	5145.4	4861.9	4356.1	4062.9	3953.3
6°	5139.0	4762.0	4127.3	3818.0	3653.7
7°	5148.6	4652.5	3921.1	3589.2	3460.4
8°	5145.4	4523.6	3731.0	3415.2	3273.5
9°	5155.1	4397.9	3524.8	3250.9	3144.6
10°	5145.4	4281.9	3389.5	3096.3	2986.7
11°	5145.4	4169.2	3292.8	2996.4	2903.0
12°	5151.9	4040.3	3186.5	2854.6	2725.8
13°	5168.0	3908.2	3064.1	2700.0	2548.5
14°	5171.2	3808.3	2951.3	2503.4	2345.6
15°	5158.3	3714.9	2832.1	2326.2	2139.4
16°	5151.9	3618.2	2690.3	2158.7	1991.2
17°	5164.8	3505.5	2529.2	1987.9	1833.3
18°	5168.0	3402.4	2358.5	1859.1	1723.7
19°	5168.0	3321.8	2219.9	1739.8	1623.9
20°	5168.0	3244.5	2078.1	1649.6	1549.7
21°	5161.5	3147.8	1917.0	1556.2	1472.4
22.5°	5164.8	2967.4	1733.4	1446.6	1379.0
23°	5155.1	2922.3	1688.3	1417.7	1346.8
24°	5158.3	2793.4	1591.6	1359.7	1292.0
25°	5161.5	2629.1	1498.2	1301.7	1240.4
26°	5155.1	2497.0	1420.9	1246.9	1205.0
27°	5139.0	2390.7	1366.1	1201.8	1163.1
28°	5116.4	2248.9	1308.1	1163.1	1127.7
29°	5093.9	2087.8	1250.1	1121.2	1095.5
30°	5081.0	1958.9	1195.3	1089.0	1066.5
32.5°	5003.7	1704.4	1082.6	1024.6	1005.2
35°	4858.7	1462.8	1002.0	969.8	956.9
37.5°	4668.6	1275.9	940.8	934.4	937.6
40°	4356.1	1127.7	895.7	924.7	953.7
42.5°	3982.3	1011.7	863.5	934.4	966.6
45°	3511.9	924.7	844.1	934.4	966.6
47.5°	2990.0	853.8	821.6	902.1	934.4
50°	2468.0	789.4	776.5	853.8	882.8
52.5°	2007.3	728.2	718.5	792.6	821.6
55°	1611.0	660.5	650.8	731.4	760.4
57.5°	1292.0	596.1	586.4	660.5	689.5
60°	1031.0	531.6	515.5	589.6	618.6
62.5°	821.6	470.4	460.7	525.2	551.0
65°	644.4	415.6	409.2	467.2	483.3



TEST NUMBER: P566724

CATALOG NUMBER: 4SNX-67SL-LC-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	509.1	364.1	367.3	415.6	435.0
70°	393.1	315.7	335.1	380.2	393.1
72.5°	296.4	267.4	309.3	348.0	364.1
75°	219.1	225.5	283.5	325.4	341.5
77.5°	151.4	186.9	261.0	306.1	322.2
80°	103.1	151.4	238.4	290.0	309.3
82.5°	61.2	125.7	219.1	273.9	296.4
85°	29.0	103.1	199.8	261.0	280.3
87.5°	9.7	83.8	180.4	248.1	264.2
90°	0.0	70.9	167.5	232.0	241.6
92.5°	0.0	61.2	151.4	212.6	219.1
95°	0.0	51.6	138.5	190.1	199.8
97.5°	0.0	48.3	128.9	170.8	183.7
100°	0.0	45.1	116.0	154.7	167.5
102.5°	0.0	38.7	103.1	138.5	151.4
105°	0.0	38.7	90.2	128.9	138.5
107.5°	3.2	35.4	83.8	116.0	128.9
110°	3.2	35.4	74.1	109.5	119.2
112.5°	3.2	35.4	70.9	99.9	112.8
115°	3.2	32.2	67.7	93.4	99.9
117.5°	3.2	32.2	64.4	83.8	90.2
120°	3.2	29.0	61.2	77.3	80.5
122.5°	3.2	29.0	58.0	70.9	74.1
125°	3.2	29.0	58.0	67.7	70.9
127.5°	3.2	25.8	54.8	64.4	64.4
130°	3.2	25.8	51.6	61.2	61.2
132.5°	3.2	22.6	48.3	58.0	61.2
135°	3.2	22.6	45.1	54.8	58.0
137.5°	3.2	19.3	41.9	51.6	54.8
140°	3.2	19.3	38.7	48.3	51.6
142.5°	3.2	16.1	35.4	45.1	48.3
145°	3.2	16.1	32.2	41.9	45.1
147.5°	3.2	16.1	29.0	38.7	41.9
150°	3.2	12.9	25.8	35.4	38.7
152.5°	3.2	12.9	22.6	32.2	35.4
155°	3.2	9.7	19.3	29.0	32.2
157.5°	3.2	9.7	19.3	25.8	29.0
160°	6.4	9.7	16.1	22.6	25.8
162.5°	3.2	6.4	16.1	19.3	22.6
165°	6.4	6.4	12.9	16.1	19.3
167.5°	6.4	6.4	9.7	12.9	16.1
170°	6.4	6.4	9.7	9.7	12.9
172.5°	6.4	6.4	6.4	9.7	6.4
175°	6.4	6.4	6.4	6.4	3.2
177.5°	6.4	6.4	6.4	6.4	3.2



TEST NUMBER: P566724

CATALOG NUMBER: 4SNX-67SL-LC-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.4	6.4	6.4	6.4	6.4

(END OF REPORT)