

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: P566737

Luminaire Tested: **4SNX-67SL-LW-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566737
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-LW-UNV-L850-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

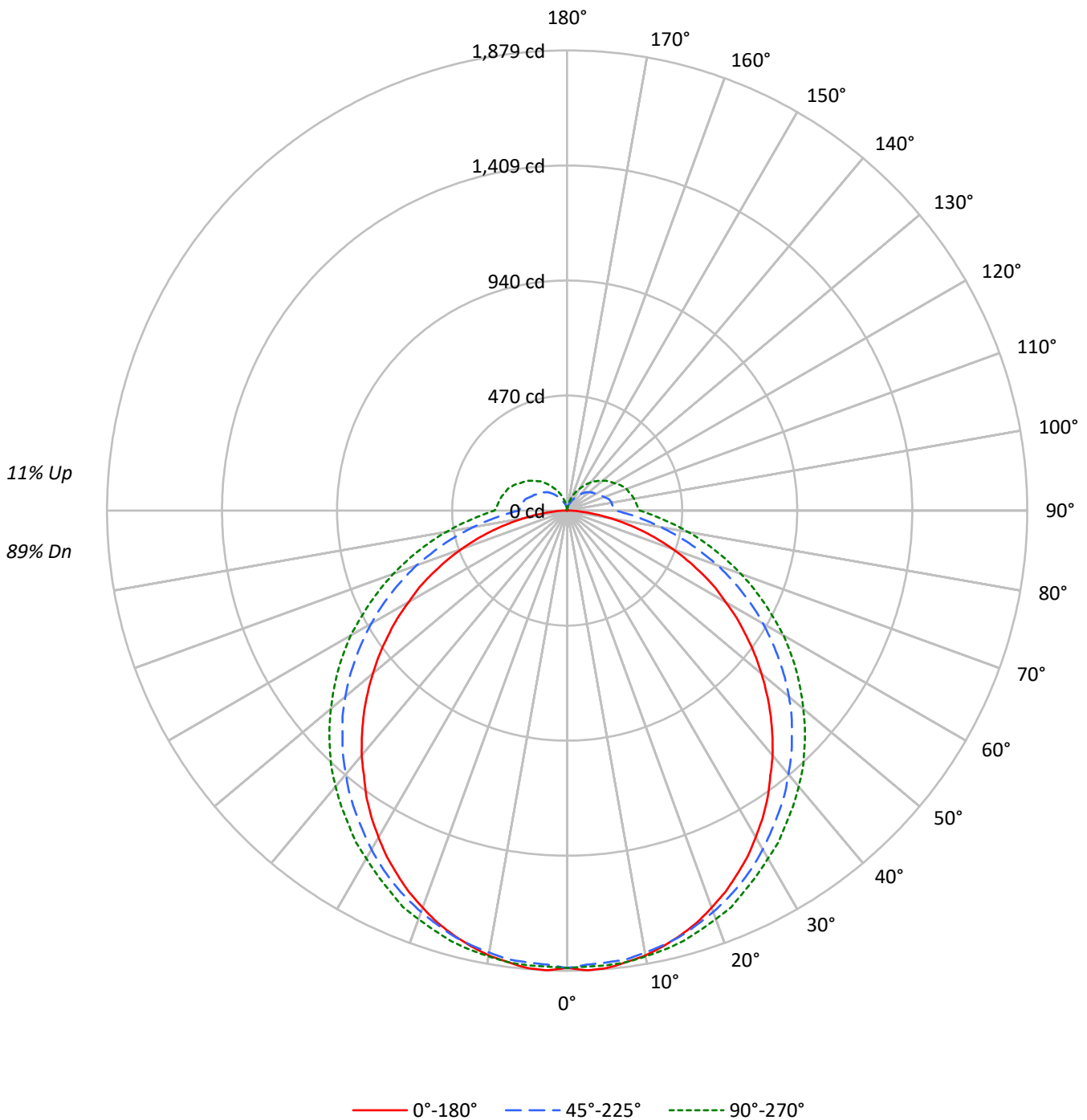
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6648.1 lumens
Efficiency: N/A
Efficacy: 138.8 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: 0.17')
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

TEST NUMBER: P566737
CATALOG NUMBER: 4SNX-67SL-LW-UNV-L850-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566737

CATALOG NUMBER: 4SNX-67SL-LW-UNV-L850-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	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°	20101	20101	20101
5°	20187	19171	19026
10°	20011	18407	18076
15°	19774	17666	17219
20°	19464	16899	16362
25°	19110	16163	15524
30°	18694	15405	14721
35°	18239	14646	13970
40°	17722	13904	13253
45°	17162	13161	12519
50°	16525	12396	11749
55°	15822	11542	10994
60°	14999	10652	10195
65°	14133	9692	9283
70°	12939	8670	8388
75°	11363	7479	7438
80°	8880	6277	6491
85°	5798	5162	5516



TEST NUMBER: P566737

CATALOG NUMBER: 4SNX-67SL-LW-UNV-L850-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.4	2.7
10°-20°	509.8	7.7
20°-30°	775.2	11.7
30°-40°	941.0	14.2
40°-50°	994.4	15.0
50°-60°	930.5	14.0
60°-70°	763.5	11.5
70°-80°	525.1	7.9
80°-90°	287.6	4.3
90°-100°	185.2	2.8
100°-110°	166.2	2.5
110°-120°	137.6	2.1
120°-130°	105.9	1.6
130°-140°	74.4	1.1
140°-150°	44.9	0.7
150°-160°	21.5	0.3
160°-170°	7.1	0.1
170°-180°	0.8	0.0
0°-30°	1462.4	22.0
0°-40°	2403.4	36.2
0°-60°	4328.4	65.1
0°-90°	5904.6	88.8
90°-120°	488.9	7.4
90°-150°	714.2	10.7
90°-180°	744.0	11.2
0°-180°	6648.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1867	1867	1867	1867	1867	
5°	1875	1871	1852	1867	1864	178
15°	1794	1802	1798	1821	1821	506
25°	1640	1660	1679	1713	1713	756
35°	1428	1463	1506	1548	1559	892
45°	1174	1228	1298	1355	1371	905
55°	893	966	1055	1120	1144	799
65°	604	685	789	862	886	599
75°	316	400	516	597	624	332
85°	69	166	281	358	385	80
90°	0	92	196	270	296	5
95°	0	89	189	258	285	0
105°	0	73	177	243	266	3
115°	4	66	150	216	243	4
125°	4	54	127	185	208	3
135°	4	42	104	150	169	3
145°	4	31	73	116	127	2
155°	4	19	46	73	85	2
165°	4	12	23	35	42	1
175°	4	4	8	8	4	0
180°	4	4	4	4	4	



TEST NUMBER: P566737

CATALOG NUMBER: 4SNX-67SL-LW-UNV-L850-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1867.4	1867.4	1867.4	1867.4	1867.4
2.5°	1879.0	1875.1	1855.9	1871.3	1863.6
5°	1875.1	1871.3	1852.0	1867.4	1863.6
7.5°	1859.7	1859.7	1848.2	1863.6	1859.7
10°	1844.3	1844.3	1832.8	1852.0	1848.2
12.5°	1821.2	1825.1	1817.4	1840.5	1836.6
15°	1794.3	1802.0	1798.1	1821.2	1821.2
17.5°	1763.5	1771.2	1771.2	1798.1	1798.1
20°	1725.0	1736.5	1744.2	1775.0	1775.0
22.5°	1686.5	1701.9	1713.4	1740.4	1751.9
25°	1640.3	1659.5	1678.8	1713.4	1713.4
27.5°	1594.1	1617.2	1640.3	1674.9	1678.8
30°	1540.2	1567.1	1597.9	1632.6	1640.3
32.5°	1486.3	1520.9	1551.7	1594.1	1605.6
35°	1428.5	1463.1	1505.5	1547.9	1559.4
37.5°	1363.0	1405.4	1459.3	1505.5	1517.1
40°	1305.3	1351.5	1405.4	1459.3	1470.8
42.5°	1239.8	1289.9	1355.3	1405.4	1424.6
45°	1174.4	1228.3	1297.6	1355.3	1370.7
47.5°	1105.1	1166.7	1243.7	1297.6	1316.8
50°	1035.8	1101.2	1182.1	1243.7	1259.1
52.5°	966.4	1035.8	1120.5	1182.1	1201.3
55°	893.3	966.4	1055.0	1120.5	1143.6
57.5°	824.0	897.1	989.6	1058.9	1082.0
60°	747.0	831.7	924.1	993.4	1020.4
62.5°	681.5	758.5	858.6	927.9	951.0
65°	604.5	685.4	789.3	862.5	885.6
67.5°	531.4	616.1	720.0	797.0	820.1
70°	458.2	542.9	654.6	727.7	754.7
72.5°	385.0	473.6	581.4	662.3	689.2
75°	315.7	400.4	516.0	596.8	623.8
77.5°	242.6	335.0	450.5	531.4	562.2
80°	177.1	273.4	388.9	469.7	500.6
82.5°	119.4	215.6	331.1	412.0	442.8
85°	69.3	165.6	281.1	358.1	385.0
87.5°	34.7	127.1	234.9	311.9	338.8
90°	0.0	92.4	196.4	269.5	296.5
92.5°	0.0	88.6	192.5	261.8	288.8
95°	0.0	88.6	188.7	258.0	284.9
97.5°	0.0	84.7	184.8	258.0	281.1
100°	0.0	80.9	184.8	254.1	277.2
102.5°	0.0	77.0	181.0	250.3	273.4
105°	0.0	73.2	177.1	242.6	265.7
107.5°	3.9	73.2	169.4	238.7	261.8
110°	3.9	69.3	161.7	234.9	258.0



TEST NUMBER: P566737

CATALOG NUMBER: 4SNX-67SL-LW-UNV-L850-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.9	65.5	154.0	227.2	250.3
115°	3.9	65.5	150.2	215.6	242.6
117.5°	3.9	61.6	142.5	207.9	234.9
120°	3.9	61.6	138.6	200.2	223.3
122.5°	3.9	57.8	130.9	192.5	215.6
125°	3.9	53.9	127.1	184.8	207.9
127.5°	3.9	50.1	123.2	177.1	200.2
130°	3.9	46.2	115.5	169.4	188.7
132.5°	3.9	46.2	111.7	157.9	181.0
135°	3.9	42.4	104.0	150.2	169.4
137.5°	3.9	38.5	96.3	142.5	161.7
140°	3.9	34.7	88.6	134.8	150.2
142.5°	3.9	34.7	80.9	123.2	138.6
145°	3.9	30.8	73.2	115.5	127.1
147.5°	3.9	27.0	65.5	104.0	115.5
150°	3.9	27.0	57.8	92.4	104.0
152.5°	3.9	23.1	50.1	84.7	96.3
155°	3.9	19.3	46.2	73.2	84.7
157.5°	3.9	19.3	38.5	61.6	73.2
160°	3.9	15.4	34.7	50.1	61.6
162.5°	3.9	15.4	30.8	42.4	53.9
165°	3.9	11.6	23.1	34.7	42.4
167.5°	3.9	11.6	19.3	27.0	34.7
170°	3.9	7.7	15.4	19.3	27.0
172.5°	3.9	7.7	11.6	11.6	11.6
175°	3.9	3.9	7.7	7.7	3.9
177.5°	3.9	3.9	3.9	3.9	3.9
180°	3.9	3.9	3.9	3.9	3.9

(END OF REPORT)