

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: P566736

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566736
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-L840-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

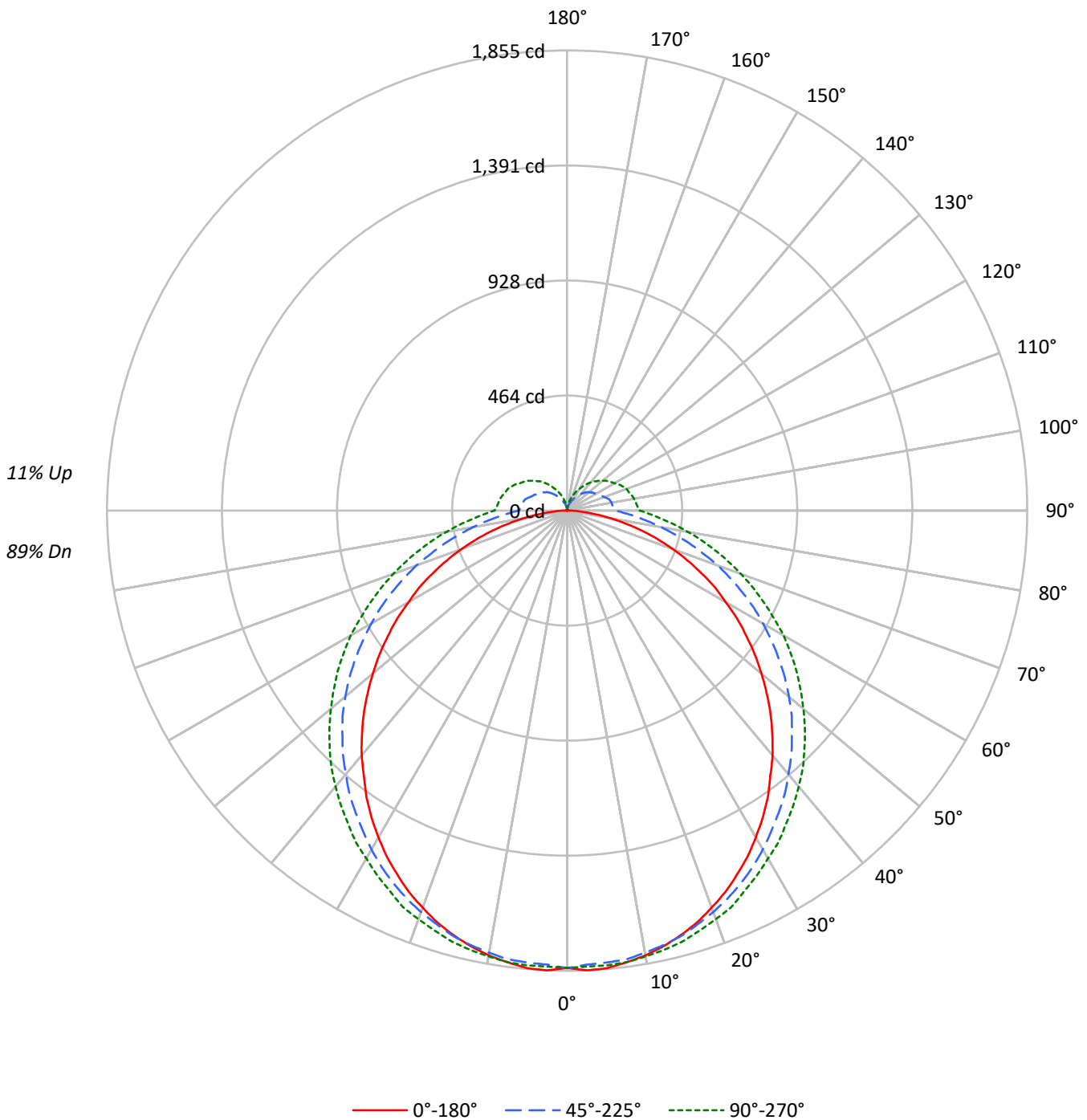
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6564.0 lumens
Efficiency: N/A
Efficacy: 137.0 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

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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	77	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°	19847	19847	19847
5°	19932	18929	18786
10°	19758	18174	17847
15°	19524	17443	17001
20°	19218	16685	16155
25°	18868	15959	15328
30°	18457	15211	14534
35°	18008	14461	13793
40°	17498	13728	13086
45°	16944	12994	12361
50°	16316	12238	11601
55°	15622	11397	10854
60°	14808	10518	10066
65°	13956	9571	9166
70°	12775	8560	8281
75°	11219	7383	7343
80°	8769	6198	6408
85°	5722	5096	5447



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.1	2.7
10°-20°	503.4	7.7
20°-30°	765.4	11.7
30°-40°	929.1	14.2
40°-50°	981.8	15.0
50°-60°	918.7	14.0
60°-70°	753.8	11.5
70°-80°	518.5	7.9
80°-90°	283.9	4.3
90°-100°	182.8	2.8
100°-110°	164.1	2.5
110°-120°	135.8	2.1
120°-130°	104.6	1.6
130°-140°	73.5	1.1
140°-150°	44.3	0.7
150°-160°	21.2	0.3
160°-170°	7.0	0.1
170°-180°	0.8	0.0
0°-30°	1443.9	22.0
0°-40°	2373.1	36.2
0°-60°	4273.6	65.1
0°-90°	5829.9	88.8
90°-120°	482.7	7.4
90°-150°	705.1	10.7
90°-180°	734.0	11.2
0°-180°	6564.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1844	1844	1844	1844	1844	
5°	1851	1848	1829	1844	1840	176
15°	1772	1779	1775	1798	1798	500
25°	1620	1638	1658	1692	1692	746
35°	1410	1445	1486	1528	1540	881
45°	1160	1213	1281	1338	1353	894
55°	882	954	1042	1106	1129	789
65°	597	677	779	852	874	591
75°	312	395	509	589	616	328
85°	68	164	278	354	380	79
90°	0	91	194	266	293	5
95°	0	87	186	255	281	0
105°	0	72	175	240	262	3
115°	4	65	148	213	240	4
125°	4	53	126	182	205	3
135°	4	42	103	148	167	3
145°	4	30	72	114	126	2
155°	4	19	46	72	84	2
165°	4	11	23	34	42	1
175°	4	4	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°	1843.8	1843.8	1843.8	1843.8	1843.8
2.5°	1855.2	1851.4	1832.4	1847.6	1840.0
5°	1851.4	1847.6	1828.6	1843.8	1840.0
7.5°	1836.2	1836.2	1824.8	1840.0	1836.2
10°	1821.0	1821.0	1809.6	1828.6	1824.8
12.5°	1798.2	1802.0	1794.4	1817.2	1813.4
15°	1771.6	1779.2	1775.4	1798.2	1798.2
17.5°	1741.2	1748.8	1748.8	1775.4	1775.4
20°	1703.2	1714.6	1722.2	1752.6	1752.6
22.5°	1665.2	1680.4	1691.8	1718.4	1729.8
25°	1619.5	1638.5	1657.6	1691.8	1691.8
27.5°	1573.9	1596.7	1619.5	1653.8	1657.6
30°	1520.7	1547.3	1577.7	1611.9	1619.5
32.5°	1467.5	1501.7	1532.1	1573.9	1585.3
35°	1410.4	1444.7	1486.5	1528.3	1539.7
37.5°	1345.8	1387.6	1440.9	1486.5	1497.9
40°	1288.8	1334.4	1387.6	1440.9	1452.3
42.5°	1224.2	1273.6	1338.2	1387.6	1406.6
45°	1159.5	1212.8	1281.2	1338.2	1353.4
47.5°	1091.1	1151.9	1228.0	1281.2	1300.2
50°	1022.7	1087.3	1167.1	1228.0	1243.2
52.5°	954.2	1022.7	1106.3	1167.1	1186.1
55°	882.0	954.2	1041.7	1106.3	1129.1
57.5°	813.6	885.8	977.0	1045.5	1068.3
60°	737.5	821.2	912.4	980.8	1007.5
62.5°	672.9	748.9	847.8	916.2	939.0
65°	596.9	676.7	779.4	851.6	874.4
67.5°	524.6	608.3	710.9	787.0	809.8
70°	452.4	536.0	646.3	718.5	745.1
72.5°	380.2	467.6	574.1	653.9	680.5
75°	311.7	395.4	509.4	589.3	615.9
77.5°	239.5	330.8	444.8	524.6	555.1
80°	174.9	269.9	384.0	463.8	494.2
82.5°	117.9	212.9	326.9	406.8	437.2
85°	68.4	163.5	277.5	353.6	380.2
87.5°	34.2	125.5	231.9	307.9	334.6
90°	0.0	91.2	193.9	266.1	292.7
92.5°	0.0	87.4	190.1	258.5	285.1
95°	0.0	87.4	186.3	254.7	281.3
97.5°	0.0	83.6	182.5	254.7	277.5
100°	0.0	79.8	182.5	250.9	273.7
102.5°	0.0	76.0	178.7	247.1	269.9
105°	0.0	72.2	174.9	239.5	262.3
107.5°	3.8	72.2	167.3	235.7	258.5
110°	3.8	68.4	159.7	231.9	254.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.8	64.6	152.1	224.3	247.1
115°	3.8	64.6	148.3	212.9	239.5
117.5°	3.8	60.8	140.7	205.3	231.9
120°	3.8	60.8	136.9	197.7	220.5
122.5°	3.8	57.0	129.3	190.1	212.9
125°	3.8	53.2	125.5	182.5	205.3
127.5°	3.8	49.4	121.7	174.9	197.7
130°	3.8	45.6	114.1	167.3	186.3
132.5°	3.8	45.6	110.3	155.9	178.7
135°	3.8	41.8	102.6	148.3	167.3
137.5°	3.8	38.0	95.0	140.7	159.7
140°	3.8	34.2	87.4	133.1	148.3
142.5°	3.8	34.2	79.8	121.7	136.9
145°	3.8	30.4	72.2	114.1	125.5
147.5°	3.8	26.6	64.6	102.6	114.1
150°	3.8	26.6	57.0	91.2	102.6
152.5°	3.8	22.8	49.4	83.6	95.0
155°	3.8	19.0	45.6	72.2	83.6
157.5°	3.8	19.0	38.0	60.8	72.2
160°	3.8	15.2	34.2	49.4	60.8
162.5°	3.8	15.2	30.4	41.8	53.2
165°	3.8	11.4	22.8	34.2	41.8
167.5°	3.8	11.4	19.0	26.6	34.2
170°	3.8	7.6	15.2	19.0	26.6
172.5°	3.8	7.6	11.4	11.4	11.4
175°	3.8	3.8	7.6	7.6	3.8
177.5°	3.8	3.8	3.8	3.8	3.8
180°	3.8	3.8	3.8	3.8	3.8

(END OF REPORT)