

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: P566712

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566712
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-67SL-FDL-UNV-L840-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

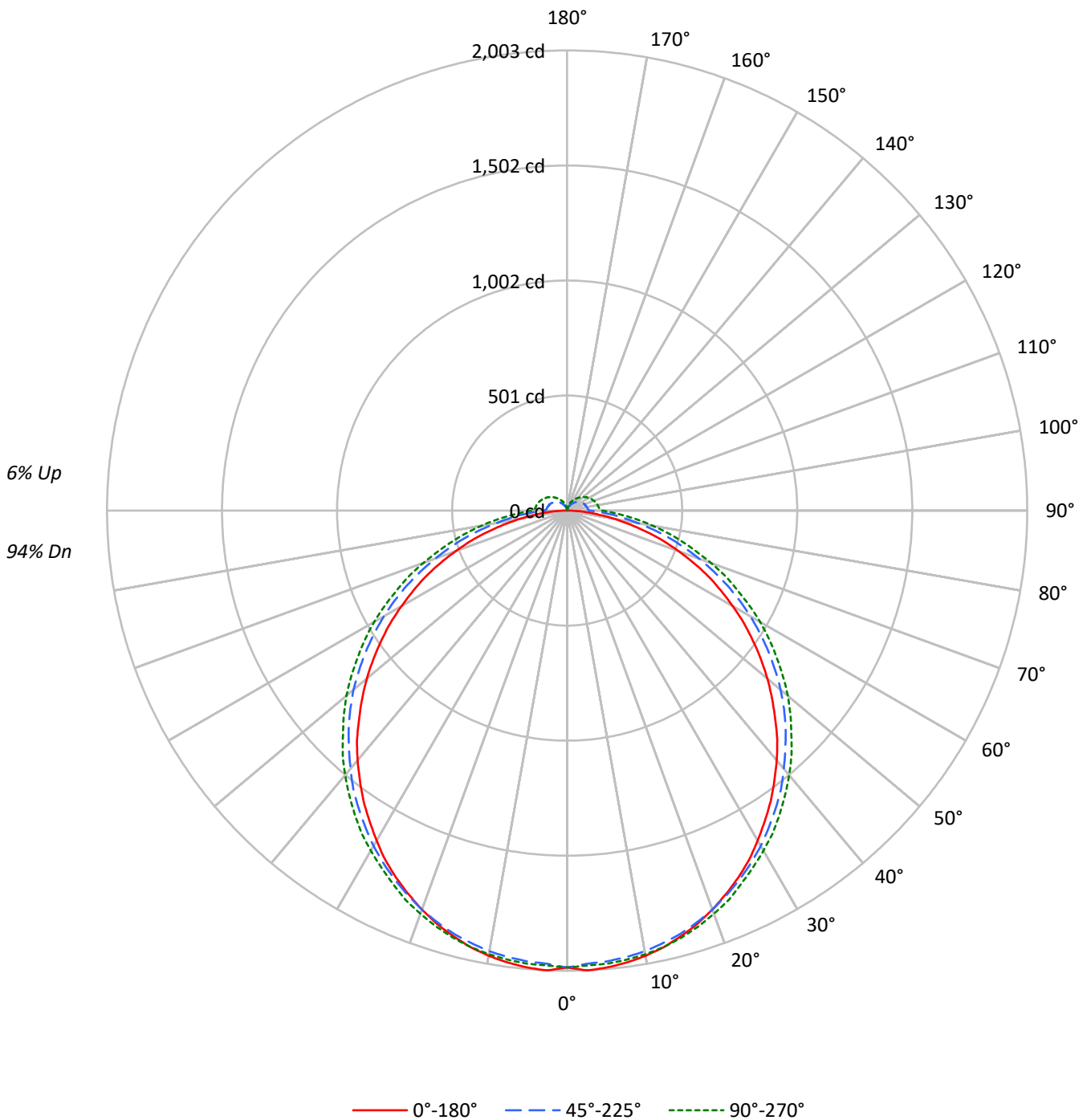
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6319.9 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	21407	21407	21407
5°	21554	21053	21084
10°	21465	20825	20820
15°	21305	20562	20523
20°	21086	20243	20173
25°	20834	19893	19758
30°	20492	19537	19377
35°	20148	19118	18977
40°	19767	18656	18529
45°	19288	18200	18006
50°	18826	17678	17528
55°	18253	17032	16864
60°	17609	16295	16209
65°	16923	15416	15309
70°	15751	14309	14375
75°	14336	13007	13258
80°	12250	11276	12020
85°	9635	9779	10565



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.6	3.0
10°-20°	541.2	8.6
20°-30°	820.2	13.0
30°-40°	990.1	15.7
40°-50°	1033.9	16.4
50°-60°	949.9	15.0
60°-70°	751.1	11.9
70°-80°	475.4	7.5
80°-90°	204.3	3.2
90°-100°	89.9	1.4
100°-110°	80.5	1.3
110°-120°	68.0	1.1
120°-130°	53.0	0.8
130°-140°	36.7	0.6
140°-150°	22.0	0.3
150°-160°	10.7	0.2
160°-170°	3.7	0.1
170°-180°	0.5	0.0
0°-30°	1550.0	24.5
0°-40°	2540.2	40.2
0°-60°	4524.0	71.6
0°-90°	5954.8	94.2
90°-120°	238.4	3.8
90°-150°	350.1	5.5
90°-180°	365.0	5.8
0°-180°	6319.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1989	1989	1989	1989	1989	
5°	1997	1991	1970	1986	1980	190
15°	1917	1917	1907	1927	1924	541
25°	1763	1770	1773	1796	1793	812
35°	1544	1562	1582	1607	1613	966
45°	1280	1312	1345	1371	1380	989
55°	987	1027	1070	1105	1112	883
65°	679	717	768	804	816	669
75°	358	401	459	498	517	380
85°	87	134	192	234	248	96
90°	6	48	98	138	152	7
95°	1	41	90	125	139	1
105°	1	38	84	118	130	1
115°	1	32	76	106	118	1
125°	2	29	64	92	102	2
135°	2	22	52	73	82	2
145°	2	17	36	55	60	1
155°	2	11	24	35	41	1
165°	3	8	12	17	24	1
175°	3	4	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°	1988.8	1988.8	1988.8	1988.8	1988.8
2.5°	2003.3	1996.6	1974.2	1989.9	1982.1
5°	1996.6	1991.0	1969.8	1986.5	1979.8
7.5°	1984.3	1979.8	1960.8	1978.7	1972.0
10°	1967.5	1964.2	1947.4	1965.3	1960.8
12.5°	1946.3	1945.1	1928.3	1948.5	1945.1
15°	1917.2	1917.2	1907.1	1927.2	1923.9
17.5°	1885.8	1886.9	1879.1	1900.4	1898.1
20°	1847.8	1853.4	1847.8	1870.2	1867.9
22.5°	1806.4	1814.2	1812.0	1834.3	1835.5
25°	1762.7	1770.5	1772.8	1796.3	1792.9
27.5°	1714.6	1726.9	1731.4	1752.6	1751.5
30°	1658.6	1675.4	1685.5	1703.4	1709.0
32.5°	1601.5	1621.7	1634.0	1658.6	1665.3
35°	1544.5	1562.4	1582.5	1607.1	1612.7
37.5°	1481.8	1501.9	1528.8	1552.3	1559.0
40°	1419.1	1441.5	1467.2	1493.0	1503.1
42.5°	1354.2	1377.7	1405.7	1435.9	1446.0
45°	1280.3	1311.7	1345.3	1371.0	1380.0
47.5°	1209.8	1244.5	1280.3	1308.3	1318.4
50°	1138.2	1175.1	1213.2	1238.9	1254.6
52.5°	1063.2	1103.5	1141.6	1174.0	1184.1
55°	987.1	1027.4	1069.9	1104.6	1112.5
57.5°	913.3	952.4	995.0	1027.4	1043.1
60°	832.7	875.2	921.1	953.5	970.3
62.5°	754.3	795.7	845.0	879.7	893.1
65°	679.3	717.4	767.8	803.6	815.9
67.5°	596.5	640.2	688.3	729.7	745.4
70°	514.8	556.2	611.1	650.2	665.9
72.5°	438.7	479.0	533.8	573.0	587.6
75°	358.1	400.7	458.9	498.0	517.1
77.5°	280.9	327.9	383.9	426.4	447.7
80°	209.3	250.7	311.1	358.1	377.2
82.5°	142.1	186.9	249.6	293.2	314.5
85°	87.3	134.3	192.5	233.9	248.5
87.5°	41.4	86.2	139.9	180.2	198.1
90°	5.6	48.1	98.5	137.7	152.2
92.5°	1.1	41.4	90.7	127.6	141.0
95°	1.1	41.4	89.5	125.3	138.8
97.5°	1.1	40.3	88.4	124.2	136.5
100°	1.1	39.2	87.3	122.0	135.4
102.5°	1.1	39.2	85.1	119.8	132.1
105°	1.1	38.1	83.9	117.5	129.8
107.5°	1.1	36.9	81.7	115.3	127.6
110°	1.1	34.7	80.6	111.9	124.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	33.6	78.3	109.7	120.9
115°	1.1	32.5	76.1	106.3	117.5
117.5°	1.1	31.3	72.7	103.0	114.2
120°	2.2	31.3	70.5	99.6	109.7
122.5°	2.2	30.2	67.2	95.1	105.2
125°	2.2	29.1	63.8	91.8	101.8
127.5°	2.2	28.0	60.4	87.3	96.2
130°	2.2	25.7	58.2	82.8	91.8
132.5°	2.2	24.6	54.8	77.2	86.2
135°	2.2	22.4	51.5	72.7	81.7
137.5°	2.2	21.3	48.1	68.3	76.1
140°	2.2	20.1	43.6	63.8	71.6
142.5°	2.2	17.9	40.3	59.3	66.0
145°	2.2	16.8	35.8	54.8	60.4
147.5°	2.2	14.5	32.5	50.4	56.0
150°	2.2	13.4	29.1	45.9	51.5
152.5°	2.2	12.3	25.7	40.3	45.9
155°	2.2	11.2	23.5	34.7	41.4
157.5°	2.2	10.1	20.1	30.2	36.9
160°	3.4	9.0	17.9	25.7	31.3
162.5°	3.4	7.8	14.5	21.3	28.0
165°	3.4	7.8	12.3	16.8	23.5
167.5°	3.4	6.7	10.1	13.4	19.0
170°	3.4	5.6	9.0	10.1	14.5
172.5°	3.4	4.5	6.7	6.7	7.8
175°	3.4	4.5	5.6	5.6	3.4
177.5°	3.4	3.4	3.4	3.4	2.2
180°	3.4	3.4	3.4	3.4	3.4

(END OF REPORT)