

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: P566711

Luminaire Tested: **4SNX-67SL-FDL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566711
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-L835-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

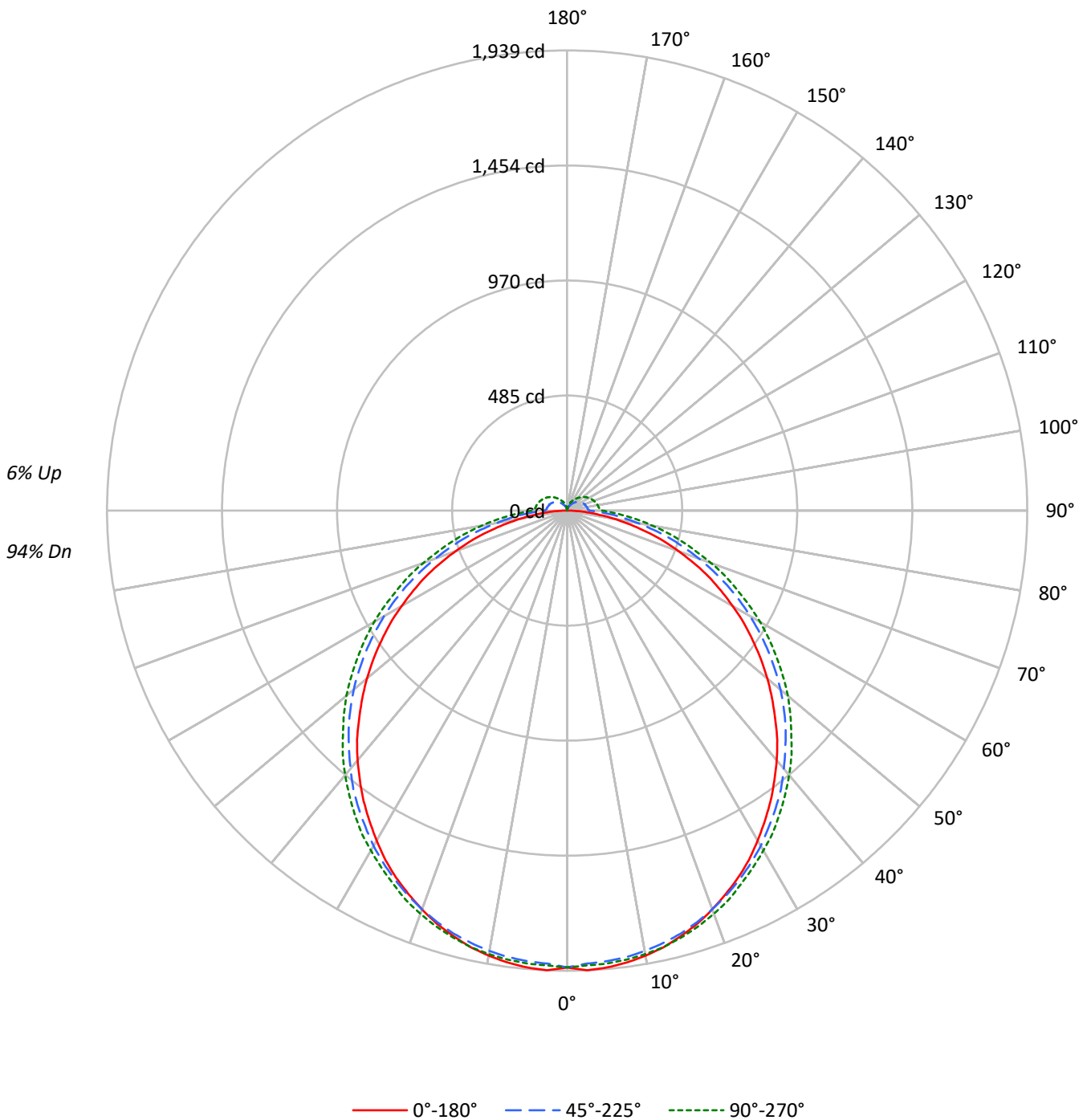
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6117.0 lumens
Efficiency: N/A
Efficacy: 127.7 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°	20719	20719	20719
5°	20862	20377	20407
10°	20776	20156	20151
15°	20621	19901	19863
20°	20408	19593	19525
25°	20165	19254	19123
30°	19834	18909	18754
35°	19501	18505	18367
40°	19132	18057	17934
45°	18669	17614	17427
50°	18221	17110	16965
55°	17667	16486	16321
60°	17042	15771	15690
65°	16380	14920	14817
70°	15246	13848	13913
75°	13875	12587	12833
80°	11858	10914	11631
85°	9326	9464	10224



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.6	3.0
10°-20°	523.8	8.6
20°-30°	793.8	13.0
30°-40°	958.3	15.7
40°-50°	1000.7	16.4
50°-60°	919.4	15.0
60°-70°	727.0	11.9
70°-80°	460.1	7.5
80°-90°	197.8	3.2
90°-100°	87.0	1.4
100°-110°	77.9	1.3
110°-120°	65.8	1.1
120°-130°	51.3	0.8
130°-140°	35.5	0.6
140°-150°	21.3	0.3
150°-160°	10.4	0.2
160°-170°	3.6	0.1
170°-180°	0.5	0.0
0°-30°	1500.2	24.5
0°-40°	2458.6	40.2
0°-60°	4378.7	71.6
0°-90°	5763.6	94.2
90°-120°	230.8	3.8
90°-150°	338.9	5.5
90°-180°	353.0	5.8
0°-180°	6117.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1925	1925	1925	1925	1925	
5°	1932	1927	1906	1923	1916	184
15°	1856	1856	1846	1865	1862	524
25°	1706	1714	1716	1739	1735	786
35°	1495	1512	1532	1556	1561	935
45°	1239	1270	1302	1327	1336	957
55°	955	994	1036	1069	1077	855
65°	658	694	743	778	790	648
75°	347	388	444	482	500	367
85°	84	130	186	226	240	93
90°	5	47	95	133	147	7
95°	1	40	87	121	134	1
105°	1	37	81	114	126	1
115°	1	31	74	103	114	1
125°	2	28	62	89	99	2
135°	2	22	50	70	79	2
145°	2	16	35	53	58	1
155°	2	11	23	34	40	1
165°	3	8	12	16	23	1
175°	3	4	5	5	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1924.9	1924.9	1924.9	1924.9	1924.9
2.5°	1939.0	1932.5	1910.8	1926.0	1918.4
5°	1932.5	1927.1	1906.5	1922.7	1916.2
7.5°	1920.6	1916.2	1897.8	1915.2	1908.7
10°	1904.3	1901.1	1884.8	1902.2	1897.8
12.5°	1883.7	1882.7	1866.4	1885.9	1882.7
15°	1855.6	1855.6	1845.8	1865.3	1862.1
17.5°	1825.2	1826.3	1818.7	1839.3	1837.2
20°	1788.4	1793.8	1788.4	1810.1	1807.9
22.5°	1748.3	1755.9	1753.8	1775.4	1776.5
25°	1706.1	1713.7	1715.8	1738.6	1735.3
27.5°	1659.5	1671.4	1675.8	1696.3	1695.3
30°	1605.4	1621.6	1631.3	1648.7	1654.1
32.5°	1550.1	1569.6	1581.5	1605.4	1611.9
35°	1494.9	1512.2	1531.7	1555.5	1560.9
37.5°	1434.2	1453.7	1479.7	1502.4	1508.9
40°	1373.5	1395.2	1420.1	1445.0	1454.8
42.5°	1310.7	1333.5	1360.5	1389.8	1399.5
45°	1239.2	1269.5	1302.0	1327.0	1335.6
47.5°	1171.0	1204.6	1239.2	1266.3	1276.0
50°	1101.6	1137.4	1174.2	1199.1	1214.3
52.5°	1029.1	1068.1	1104.9	1136.3	1146.1
55°	955.4	994.4	1035.6	1069.2	1076.7
57.5°	883.9	921.8	963.0	994.4	1009.6
60°	805.9	847.1	891.5	922.9	939.2
62.5°	730.1	770.2	817.8	851.4	864.4
65°	657.5	694.4	743.1	777.8	789.7
67.5°	577.4	619.6	666.2	706.3	721.4
70°	498.3	538.4	591.4	629.4	644.5
72.5°	424.6	463.6	516.7	554.6	568.7
75°	346.6	387.8	444.1	482.0	500.5
77.5°	271.9	317.4	371.5	412.7	433.3
80°	202.6	242.6	301.1	346.6	365.0
82.5°	137.6	180.9	241.6	283.8	304.4
85°	84.5	130.0	186.3	226.4	240.5
87.5°	40.1	83.4	135.4	174.4	191.7
90°	5.4	46.6	95.3	133.2	147.3
92.5°	1.1	40.1	87.7	123.5	136.5
95°	1.1	40.1	86.7	121.3	134.3
97.5°	1.1	39.0	85.6	120.2	132.2
100°	1.1	37.9	84.5	118.1	131.1
102.5°	1.1	37.9	82.3	115.9	127.8
105°	1.1	36.8	81.2	113.7	125.7
107.5°	1.1	35.7	79.1	111.6	123.5
110°	1.1	33.6	78.0	108.3	120.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	32.5	75.8	106.2	117.0
115°	1.1	31.4	73.7	102.9	113.7
117.5°	1.1	30.3	70.4	99.7	110.5
120°	2.2	30.3	68.2	96.4	106.2
122.5°	2.2	29.2	65.0	92.1	101.8
125°	2.2	28.2	61.7	88.8	98.6
127.5°	2.2	27.1	58.5	84.5	93.2
130°	2.2	24.9	56.3	80.2	88.8
132.5°	2.2	23.8	53.1	74.7	83.4
135°	2.2	21.7	49.8	70.4	79.1
137.5°	2.2	20.6	46.6	66.1	73.7
140°	2.2	19.5	42.2	61.7	69.3
142.5°	2.2	17.3	39.0	57.4	63.9
145°	2.2	16.2	34.7	53.1	58.5
147.5°	2.2	14.1	31.4	48.7	54.2
150°	2.2	13.0	28.2	44.4	49.8
152.5°	2.2	11.9	24.9	39.0	44.4
155°	2.2	10.8	22.7	33.6	40.1
157.5°	2.2	9.7	19.5	29.2	35.7
160°	3.2	8.7	17.3	24.9	30.3
162.5°	3.2	7.6	14.1	20.6	27.1
165°	3.2	7.6	11.9	16.2	22.7
167.5°	3.2	6.5	9.7	13.0	18.4
170°	3.2	5.4	8.7	9.7	14.1
172.5°	3.2	4.3	6.5	6.5	7.6
175°	3.2	4.3	5.4	5.4	3.2
177.5°	3.2	3.2	3.2	3.2	2.2
180°	3.2	3.2	3.2	3.2	3.2

(END OF REPORT)