

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: P566710

Luminaire Tested: **4SNX-67SL-FDL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566710
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-L830-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

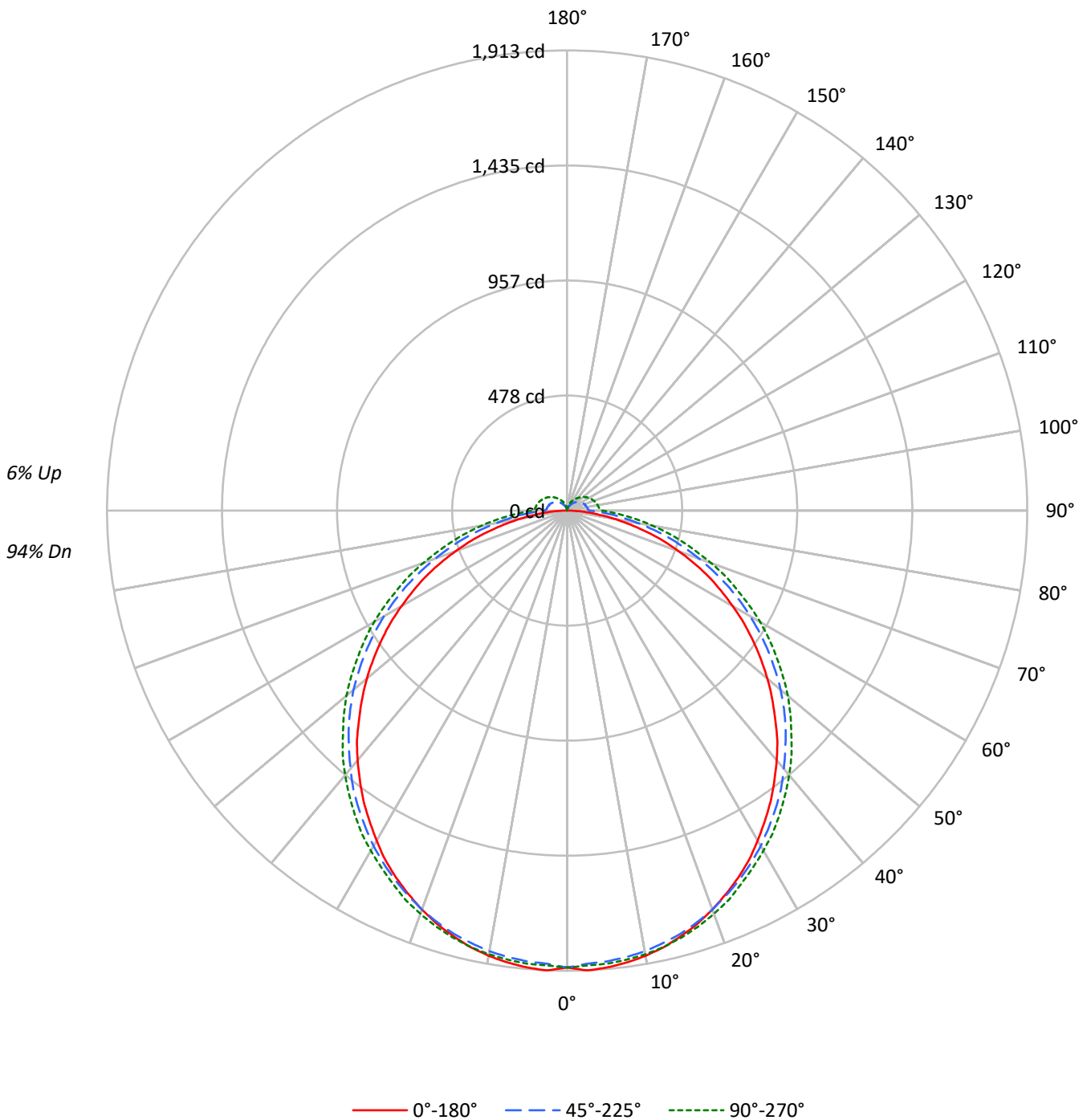
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6036.0 lumens
Efficiency: N/A
Efficacy: 126.0 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

TEST NUMBER: P566710
CATALOG NUMBER: 4SNX-67SL-FDL-UNV-L830-CD

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	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°	20445	20445	20445
5°	20585	20106	20138
10°	20501	19889	19884
15°	20347	19638	19600
20°	20138	19333	19266
25°	19898	18999	18871
30°	19571	18658	18506
35°	19243	18259	18125
40°	18880	17818	17696
45°	18422	17381	17196
50°	17981	16884	16740
55°	17434	16268	16106
60°	16818	15563	15481
65°	16164	14723	14620
70°	15044	13665	13729
75°	13691	12420	12661
80°	11700	10772	11478
85°	9204	9337	10088



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.1	3.0
10°-20°	516.9	8.6
20°-30°	783.3	13.0
30°-40°	945.6	15.7
40°-50°	987.5	16.4
50°-60°	907.2	15.0
60°-70°	717.4	11.9
70°-80°	454.0	7.5
80°-90°	195.2	3.2
90°-100°	85.9	1.4
100°-110°	76.9	1.3
110°-120°	64.9	1.1
120°-130°	50.6	0.8
130°-140°	35.0	0.6
140°-150°	21.0	0.3
150°-160°	10.3	0.2
160°-170°	3.6	0.1
170°-180°	0.5	0.0
0°-30°	1480.4	24.5
0°-40°	2426.0	40.2
0°-60°	4320.7	71.6
0°-90°	5687.3	94.2
90°-120°	227.7	3.8
90°-150°	334.4	5.5
90°-180°	349.0	5.8
0°-180°	6036.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1899	1899	1899	1899	1899	
5°	1907	1902	1881	1897	1891	181
15°	1831	1831	1821	1841	1837	517
25°	1684	1691	1693	1716	1712	775
35°	1475	1492	1511	1535	1540	922
45°	1223	1253	1285	1309	1318	944
55°	943	981	1022	1055	1062	843
65°	649	685	733	768	779	639
75°	342	383	438	476	494	363
85°	83	128	184	223	237	92
90°	5	46	94	132	145	7
95°	1	40	86	120	132	1
105°	1	36	80	112	124	1
115°	1	31	73	102	112	1
125°	2	28	61	88	97	2
135°	2	21	49	70	78	2
145°	2	16	34	52	58	1
155°	2	11	22	33	40	1
165°	3	8	12	16	22	1
175°	3	4	5	5	3	0
180°	3	3	3	3	3	



TEST NUMBER: P566710

CATALOG NUMBER: 4SNX-67SL-FDL-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1899.4	1899.4	1899.4	1899.4	1899.4
2.5°	1913.3	1906.9	1885.5	1900.5	1893.0
5°	1906.9	1901.6	1881.2	1897.3	1890.9
7.5°	1895.1	1890.9	1872.7	1889.8	1883.4
10°	1879.1	1875.9	1859.9	1877.0	1872.7
12.5°	1858.8	1857.7	1841.7	1860.9	1857.7
15°	1831.0	1831.0	1821.4	1840.6	1837.4
17.5°	1801.1	1802.1	1794.7	1815.0	1812.8
20°	1764.7	1770.1	1764.7	1786.1	1784.0
22.5°	1725.2	1732.7	1730.5	1751.9	1753.0
25°	1683.5	1691.0	1693.1	1715.6	1712.4
27.5°	1637.5	1649.3	1653.6	1673.9	1672.8
30°	1584.1	1600.1	1609.7	1626.8	1632.2
32.5°	1529.6	1548.8	1560.6	1584.1	1590.5
35°	1475.1	1492.2	1511.4	1534.9	1540.3
37.5°	1415.2	1434.4	1460.1	1482.5	1489.0
40°	1355.4	1376.7	1401.3	1425.9	1435.5
42.5°	1293.4	1315.8	1342.5	1371.4	1381.0
45°	1222.8	1252.7	1284.8	1309.4	1317.9
47.5°	1155.5	1188.6	1222.8	1249.5	1259.2
50°	1087.1	1122.3	1158.7	1183.3	1198.2
52.5°	1015.4	1053.9	1090.3	1121.3	1130.9
55°	942.8	981.2	1021.9	1055.0	1062.5
57.5°	872.2	909.6	950.2	981.2	996.2
60°	795.3	835.9	879.7	910.7	926.7
62.5°	720.4	760.0	807.0	840.1	853.0
65°	648.8	685.2	733.3	767.5	779.2
67.5°	569.7	611.4	657.4	696.9	711.9
70°	491.7	531.2	583.6	621.0	636.0
72.5°	419.0	457.5	509.9	547.3	561.2
75°	342.0	382.7	438.2	475.7	493.8
77.5°	268.3	313.2	366.6	407.2	427.6
80°	199.9	239.4	297.2	342.0	360.2
82.5°	135.7	178.5	238.4	280.0	300.4
85°	83.4	128.3	183.8	223.4	237.3
87.5°	39.5	82.3	133.6	172.1	189.2
90°	5.3	46.0	94.1	131.5	145.4
92.5°	1.1	39.5	86.6	121.9	134.7
95°	1.1	39.5	85.5	119.7	132.5
97.5°	1.1	38.5	84.4	118.6	130.4
100°	1.1	37.4	83.4	116.5	129.3
102.5°	1.1	37.4	81.2	114.4	126.1
105°	1.1	36.3	80.2	112.2	124.0
107.5°	1.1	35.3	78.0	110.1	121.9
110°	1.1	33.1	77.0	106.9	118.6



TEST NUMBER: P566710

CATALOG NUMBER: 4SNX-67SL-FDL-UNV-L830-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	32.1	74.8	104.8	115.4
115°	1.1	31.0	72.7	101.5	112.2
117.5°	1.1	29.9	69.5	98.3	109.0
120°	2.1	29.9	67.3	95.1	104.8
122.5°	2.1	28.9	64.1	90.9	100.5
125°	2.1	27.8	60.9	87.6	97.3
127.5°	2.1	26.7	57.7	83.4	91.9
130°	2.1	24.6	55.6	79.1	87.6
132.5°	2.1	23.5	52.4	73.8	82.3
135°	2.1	21.4	49.2	69.5	78.0
137.5°	2.1	20.3	46.0	65.2	72.7
140°	2.1	19.2	41.7	60.9	68.4
142.5°	2.1	17.1	38.5	56.7	63.1
145°	2.1	16.0	34.2	52.4	57.7
147.5°	2.1	13.9	31.0	48.1	53.4
150°	2.1	12.8	27.8	43.8	49.2
152.5°	2.1	11.8	24.6	38.5	43.8
155°	2.1	10.7	22.4	33.1	39.5
157.5°	2.1	9.6	19.2	28.9	35.3
160°	3.2	8.6	17.1	24.6	29.9
162.5°	3.2	7.5	13.9	20.3	26.7
165°	3.2	7.5	11.8	16.0	22.4
167.5°	3.2	6.4	9.6	12.8	18.2
170°	3.2	5.3	8.6	9.6	13.9
172.5°	3.2	4.3	6.4	6.4	7.5
175°	3.2	4.3	5.3	5.3	3.2
177.5°	3.2	3.2	3.2	3.2	2.1
180°	3.2	3.2	3.2	3.2	3.2

(END OF REPORT)