

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: P566717

Luminaire Tested: **4SNX-67SL-FDL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566717
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-L950-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

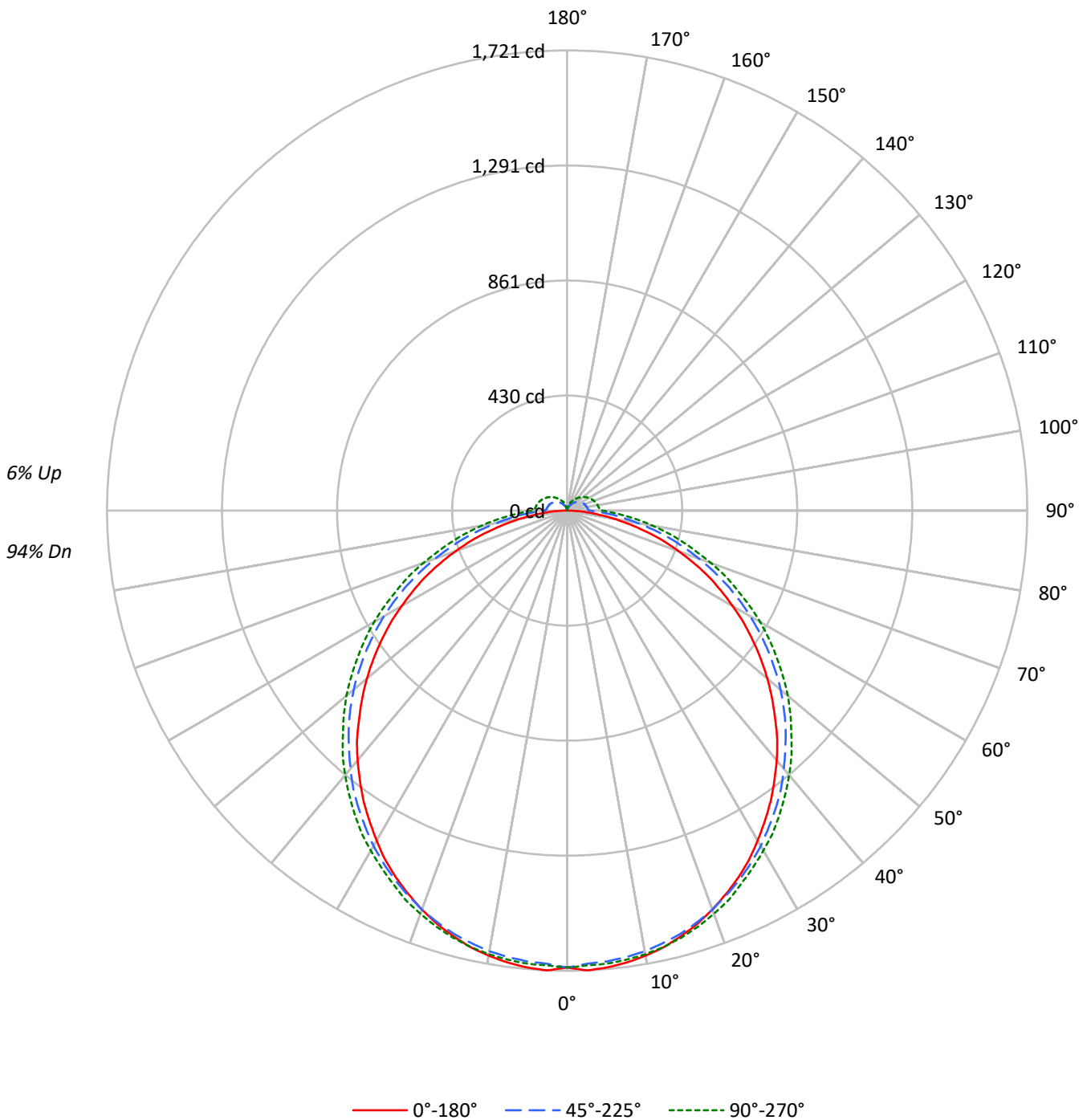
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5430.0 lumens
Efficiency: N/A
Efficacy: 113.4 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	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°	18392	18392	18392
5°	18518	18088	18115
10°	18442	17892	17888
15°	18305	17666	17632
20°	18117	17393	17332
25°	17900	17091	16976
30°	17607	16785	16648
35°	17311	16427	16304
40°	16984	16029	15919
45°	16572	15636	15469
50°	16175	15188	15059
55°	15682	14635	14488
60°	15128	14001	13927
65°	14542	13243	13153
70°	13533	12293	12350
75°	12318	11173	11389
80°	10524	9689	10328
85°	8277	8402	9077



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.0	3.0
10°-20°	465.0	8.6
20°-30°	704.7	13.0
30°-40°	850.7	15.7
40°-50°	888.3	16.4
50°-60°	816.1	15.0
60°-70°	645.4	11.9
70°-80°	408.4	7.5
80°-90°	175.6	3.2
90°-100°	77.3	1.4
100°-110°	69.2	1.3
110°-120°	58.4	1.1
120°-130°	45.5	0.8
130°-140°	31.5	0.6
140°-150°	18.9	0.3
150°-160°	9.2	0.2
160°-170°	3.2	0.1
170°-180°	0.5	0.0
0°-30°	1331.7	24.5
0°-40°	2182.4	40.2
0°-60°	3886.9	71.6
0°-90°	5116.3	94.2
90°-120°	204.9	3.8
90°-150°	300.8	5.5
90°-180°	314.0	5.8
0°-180°	5430.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1709	1709	1709	1709	1709	
5°	1715	1711	1692	1707	1701	163
15°	1647	1647	1638	1656	1653	465
25°	1514	1521	1523	1543	1540	697
35°	1327	1342	1360	1381	1386	830
45°	1100	1127	1156	1178	1186	850
55°	848	883	919	949	956	759
65°	584	616	660	690	701	575
75°	308	344	394	428	444	326
85°	75	115	165	201	214	83
90°	5	41	85	118	131	6
95°	1	36	77	108	119	1
105°	1	33	72	101	112	1
115°	1	28	65	91	101	1
125°	2	25	55	79	88	2
135°	2	19	44	62	70	1
145°	2	14	31	47	52	1
155°	2	10	20	30	36	1
165°	3	7	11	14	20	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°	1708.7	1708.7	1708.7	1708.7	1708.7
2.5°	1721.2	1715.4	1696.2	1709.7	1702.9
5°	1715.4	1710.6	1692.4	1706.8	1701.0
7.5°	1704.9	1701.0	1684.7	1700.1	1694.3
10°	1690.4	1687.6	1673.1	1688.5	1684.7
12.5°	1672.2	1671.2	1656.8	1674.1	1671.2
15°	1647.2	1647.2	1638.5	1655.8	1652.9
17.5°	1620.3	1621.2	1614.5	1632.8	1630.8
20°	1587.6	1592.4	1587.6	1606.8	1604.9
22.5°	1552.0	1558.7	1556.8	1576.0	1577.0
25°	1514.5	1521.2	1523.1	1543.3	1540.4
27.5°	1473.1	1483.7	1487.6	1505.8	1504.9
30°	1425.1	1439.5	1448.1	1463.5	1468.3
32.5°	1376.0	1393.3	1403.9	1425.1	1430.8
35°	1327.0	1342.4	1359.7	1380.8	1385.6
37.5°	1273.1	1290.4	1313.5	1333.7	1339.5
40°	1219.3	1238.5	1260.6	1282.7	1291.4
42.5°	1163.5	1183.7	1207.7	1233.7	1242.4
45°	1100.0	1127.0	1155.8	1177.9	1185.6
47.5°	1039.5	1069.3	1100.0	1124.1	1132.7
50°	977.9	1009.7	1042.3	1064.5	1077.9
52.5°	913.5	948.1	980.8	1008.7	1017.3
55°	848.1	882.7	919.3	949.1	955.8
57.5°	784.6	818.3	854.8	882.7	896.2
60°	715.4	752.0	791.4	819.3	833.7
62.5°	648.1	683.7	726.0	755.8	767.3
65°	583.7	616.4	659.6	690.4	701.0
67.5°	512.5	550.0	591.4	626.9	640.4
70°	442.3	477.9	525.0	558.7	572.1
72.5°	376.9	411.6	458.7	492.3	504.8
75°	307.7	344.2	394.2	427.9	444.2
77.5°	241.4	281.7	329.8	366.4	384.6
80°	179.8	215.4	267.3	307.7	324.1
82.5°	122.1	160.6	214.4	251.9	270.2
85°	75.0	115.4	165.4	201.0	213.5
87.5°	35.6	74.0	120.2	154.8	170.2
90°	4.8	41.3	84.6	118.3	130.8
92.5°	1.0	35.6	77.9	109.6	121.2
95°	1.0	35.6	76.9	107.7	119.2
97.5°	1.0	34.6	76.0	106.7	117.3
100°	1.0	33.7	75.0	104.8	116.4
102.5°	1.0	33.7	73.1	102.9	113.5
105°	1.0	32.7	72.1	101.0	111.5
107.5°	1.0	31.7	70.2	99.0	109.6
110°	1.0	29.8	69.2	96.2	106.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.0	28.8	67.3	94.2	103.9
115°	1.0	27.9	65.4	91.3	101.0
117.5°	1.0	26.9	62.5	88.5	98.1
120°	1.9	26.9	60.6	85.6	94.2
122.5°	1.9	26.0	57.7	81.7	90.4
125°	1.9	25.0	54.8	78.8	87.5
127.5°	1.9	24.0	51.9	75.0	82.7
130°	1.9	22.1	50.0	71.2	78.8
132.5°	1.9	21.2	47.1	66.3	74.0
135°	1.9	19.2	44.2	62.5	70.2
137.5°	1.9	18.3	41.3	58.7	65.4
140°	1.9	17.3	37.5	54.8	61.5
142.5°	1.9	15.4	34.6	51.0	56.7
145°	1.9	14.4	30.8	47.1	51.9
147.5°	1.9	12.5	27.9	43.3	48.1
150°	1.9	11.5	25.0	39.4	44.2
152.5°	1.9	10.6	22.1	34.6	39.4
155°	1.9	9.6	20.2	29.8	35.6
157.5°	1.9	8.7	17.3	26.0	31.7
160°	2.9	7.7	15.4	22.1	26.9
162.5°	2.9	6.7	12.5	18.3	24.0
165°	2.9	6.7	10.6	14.4	20.2
167.5°	2.9	5.8	8.7	11.5	16.3
170°	2.9	4.8	7.7	8.7	12.5
172.5°	2.9	3.8	5.8	5.8	6.7
175°	2.9	3.8	4.8	4.8	2.9
177.5°	2.9	2.9	2.9	2.9	1.9
180°	2.9	2.9	2.9	2.9	2.9

(END OF REPORT)