

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: P566713

Luminaire Tested: **4SNX-67SL-FDL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566713
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-L850-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

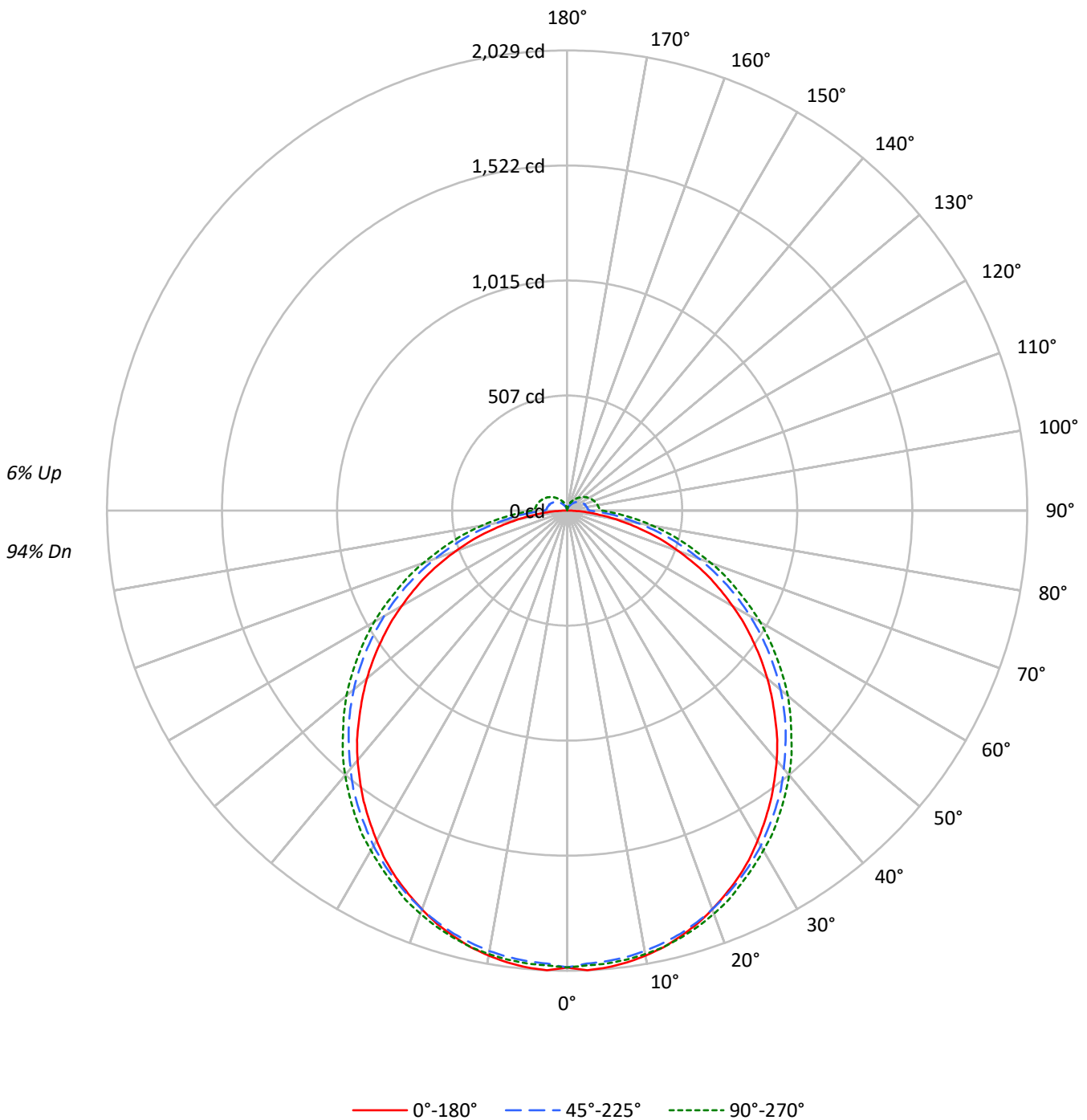
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6401.0 lumens
Efficiency: N/A
Efficacy: 133.6 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 (Ain): 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: P566713
CATALOG NUMBER: 4SNX-67SL-FDL-UNV-L850-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566713

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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°	21682	21682	21682
5°	21830	21322	21355
10°	21740	21091	21086
15°	21577	20825	20785
20°	21357	20503	20432
25°	21101	20148	20012
30°	20755	19787	19625
35°	20407	19364	19220
40°	20021	18896	18766
45°	19537	18433	18236
50°	19068	17904	17753
55°	18488	17252	17079
60°	17833	16504	16418
65°	17140	15613	15504
70°	15953	14492	14558
75°	14520	13171	13428
80°	12408	11421	12173
85°	9756	9906	10696



TEST NUMBER: P566713

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.0	3.0
10°-20°	548.2	8.6
20°-30°	830.7	13.0
30°-40°	1002.8	15.7
40°-50°	1047.2	16.4
50°-60°	962.1	15.0
60°-70°	760.8	11.9
70°-80°	481.5	7.5
80°-90°	207.0	3.2
90°-100°	91.1	1.4
100°-110°	81.5	1.3
110°-120°	68.9	1.1
120°-130°	53.7	0.8
130°-140°	37.2	0.6
140°-150°	22.3	0.3
150°-160°	10.9	0.2
160°-170°	3.8	0.1
170°-180°	0.6	0.0
0°-30°	1569.9	24.5
0°-40°	2572.7	40.2
0°-60°	4582.0	71.6
0°-90°	6031.2	94.2
90°-120°	241.5	3.8
90°-150°	354.6	5.5
90°-180°	370.0	5.8
0°-180°	6401.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2014	2014	2014	2014	2014	
5°	2022	2016	1995	2012	2005	192
15°	1942	1942	1932	1952	1948	548
25°	1785	1793	1796	1819	1816	822
35°	1564	1582	1603	1628	1633	978
45°	1297	1328	1362	1389	1398	1002
55°	1000	1041	1084	1119	1127	894
65°	688	727	778	814	826	678
75°	363	406	465	504	524	384
85°	88	136	195	237	252	98
90°	6	49	100	139	154	7
95°	1	42	91	127	141	1
105°	1	38	85	119	132	1
115°	1	33	77	108	119	1
125°	2	30	65	93	103	2
135°	2	23	52	74	83	2
145°	2	17	36	56	61	1
155°	2	11	24	35	42	1
165°	3	8	12	17	24	1
175°	3	4	6	6	3	0
180°	3	3	3	3	3	



TEST NUMBER: P566713

CATALOG NUMBER: 4SNX-67SL-FDL-UNV-L850-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2014.3	2014.3	2014.3	2014.3	2014.3
2.5°	2029.0	2022.2	1999.5	2015.4	2007.5
5°	2022.2	2016.5	1995.0	2012.0	2005.2
7.5°	2009.7	2005.2	1985.9	2004.1	1997.3
10°	1992.7	1989.3	1972.3	1990.5	1985.9
12.5°	1971.2	1970.1	1953.1	1973.5	1970.1
15°	1941.7	1941.7	1931.5	1951.9	1948.5
17.5°	1910.0	1911.1	1903.2	1924.7	1922.5
20°	1871.5	1877.1	1871.5	1894.1	1891.9
22.5°	1829.5	1837.4	1835.2	1857.8	1859.0
25°	1785.3	1793.2	1795.5	1819.3	1815.9
27.5°	1736.6	1749.0	1753.6	1775.1	1774.0
30°	1679.9	1696.9	1707.1	1725.2	1730.9
32.5°	1622.1	1642.5	1654.9	1679.9	1686.7
35°	1564.3	1582.4	1602.8	1627.7	1633.4
37.5°	1500.8	1521.2	1548.4	1572.2	1579.0
40°	1437.3	1460.0	1486.1	1512.1	1522.3
42.5°	1371.6	1395.4	1423.7	1454.3	1464.5
45°	1296.8	1328.5	1362.5	1388.6	1397.6
47.5°	1225.3	1260.5	1296.8	1325.1	1335.3
50°	1152.8	1190.2	1228.7	1254.8	1270.7
52.5°	1076.8	1117.7	1156.2	1189.1	1199.3
55°	999.8	1040.6	1083.7	1118.8	1126.7
57.5°	925.0	964.6	1007.7	1040.6	1056.4
60°	843.3	886.4	932.9	965.8	982.8
62.5°	764.0	805.9	855.8	891.0	904.6
65°	688.0	726.6	777.6	813.9	826.3
67.5°	604.2	648.4	697.1	739.1	754.9
70°	521.4	563.4	618.9	658.6	674.4
72.5°	444.3	485.1	540.7	580.4	595.1
75°	362.7	405.8	464.7	504.4	523.7
77.5°	284.5	332.1	388.8	431.9	453.4
80°	212.0	253.9	315.1	362.7	382.0
82.5°	144.0	189.3	252.8	297.0	318.5
85°	88.4	136.0	195.0	236.9	251.6
87.5°	41.9	87.3	141.7	182.5	200.6
90°	5.7	48.7	99.8	139.4	154.2
92.5°	1.1	41.9	91.8	129.2	142.8
95°	1.1	41.9	90.7	127.0	140.6
97.5°	1.1	40.8	89.5	125.8	138.3
100°	1.1	39.7	88.4	123.6	137.2
102.5°	1.1	39.7	86.1	121.3	133.8
105°	1.1	38.5	85.0	119.0	131.5
107.5°	1.1	37.4	82.7	116.8	129.2
110°	1.1	35.1	81.6	113.4	125.8



TEST NUMBER: P566713

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	34.0	79.3	111.1	122.4
115°	1.1	32.9	77.1	107.7	119.0
117.5°	1.1	31.7	73.7	104.3	115.6
120°	2.3	31.7	71.4	100.9	111.1
122.5°	2.3	30.6	68.0	96.3	106.6
125°	2.3	29.5	64.6	92.9	103.2
127.5°	2.3	28.3	61.2	88.4	97.5
130°	2.3	26.1	58.9	83.9	92.9
132.5°	2.3	24.9	55.5	78.2	87.3
135°	2.3	22.7	52.1	73.7	82.7
137.5°	2.3	21.5	48.7	69.1	77.1
140°	2.3	20.4	44.2	64.6	72.5
142.5°	2.3	18.1	40.8	60.1	66.9
145°	2.3	17.0	36.3	55.5	61.2
147.5°	2.3	14.7	32.9	51.0	56.7
150°	2.3	13.6	29.5	46.5	52.1
152.5°	2.3	12.5	26.1	40.8	46.5
155°	2.3	11.3	23.8	35.1	41.9
157.5°	2.3	10.2	20.4	30.6	37.4
160°	3.4	9.1	18.1	26.1	31.7
162.5°	3.4	7.9	14.7	21.5	28.3
165°	3.4	7.9	12.5	17.0	23.8
167.5°	3.4	6.8	10.2	13.6	19.3
170°	3.4	5.7	9.1	10.2	14.7
172.5°	3.4	4.5	6.8	6.8	7.9
175°	3.4	4.5	5.7	5.7	3.4
177.5°	3.4	3.4	3.4	3.4	2.3
180°	3.4	3.4	3.4	3.4	3.4

(END OF REPORT)