

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: P567925

Luminaire Tested: **8SNX-66SL-FDL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567925
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: 8SNX-66SL-FDL-UNV-L850-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

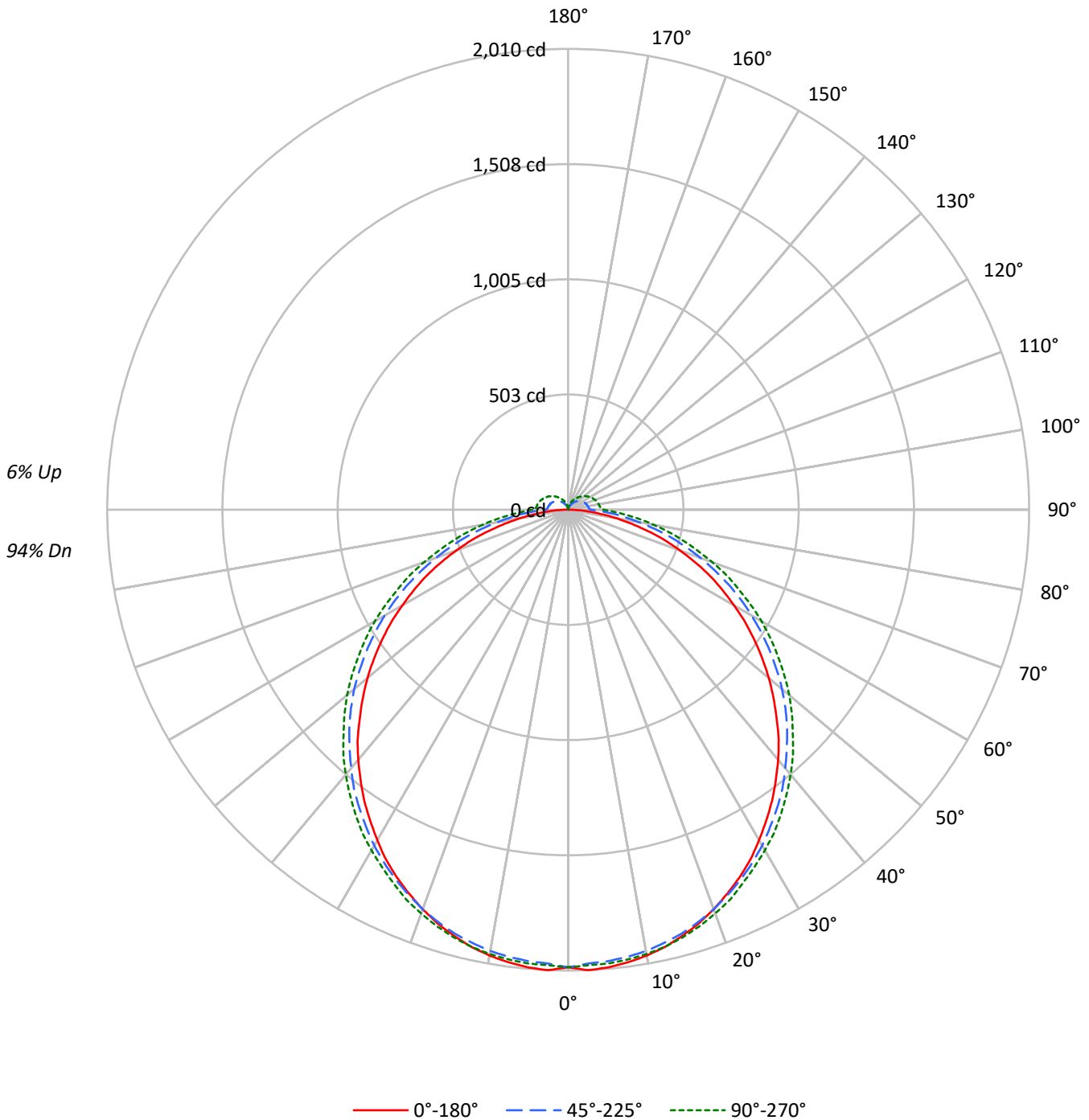
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6342.0 lumens
Efficiency: N/A
Efficacy: 150.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

Input Watts (W): 42.2
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°	10741	10741	10741
5°	10820	10566	10579
10°	10780	10456	10446
15°	10704	10326	10297
20°	10600	10170	10121
25°	10478	9998	9914
30°	10312	9822	9722
35°	10145	9615	9522
40°	9962	9387	9297
45°	9728	9161	9034
50°	9504	8904	8795
55°	9226	8585	8461
60°	8914	8219	8133
65°	8585	7783	7681
70°	8014	7234	7212
75°	7331	6588	6652
80°	6322	5728	6031
85°	5105	4994	5299



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	189.3	3.0
10°-20°	543.1	8.6
20°-30°	823.0	13.0
30°-40°	993.6	15.7
40°-50°	1037.5	16.4
50°-60°	953.2	15.0
60°-70°	753.8	11.9
70°-80°	477.0	7.5
80°-90°	205.1	3.2
90°-100°	90.2	1.4
100°-110°	80.8	1.3
110°-120°	68.2	1.1
120°-130°	53.2	0.8
130°-140°	36.8	0.6
140°-150°	22.1	0.3
150°-160°	10.8	0.2
160°-170°	3.7	0.1
170°-180°	0.5	0.0
0°-30°	1555.4	24.5
0°-40°	2549.0	40.2
0°-60°	4539.7	71.6
0°-90°	5975.6	94.2
90°-120°	239.3	3.8
90°-150°	351.3	5.5
90°-180°	366.0	5.8
0°-180°	6342.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1996	1996	1996	1996	1996	
5°	2004	1998	1977	1994	1987	190
15°	1924	1924	1914	1934	1931	543
25°	1769	1777	1779	1802	1799	815
35°	1550	1568	1588	1613	1618	969
45°	1285	1316	1350	1376	1385	992
55°	991	1031	1074	1108	1116	886
65°	682	720	770	806	819	671
75°	359	402	460	500	519	381
85°	88	135	193	235	249	97
90°	6	48	99	138	153	7
95°	1	42	90	126	139	1
105°	1	38	84	118	130	1
115°	1	33	76	107	118	1
125°	2	29	64	92	102	2
135°	2	22	52	73	82	2
145°	2	17	36	55	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	



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CATALOG NUMBER: 8SNX-66SL-FDL-UNV-L850-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1995.7	1995.7	1995.7	1995.7	1995.7
2.5°	2010.3	2003.6	1981.1	1996.8	1989.0
5°	2003.6	1998.0	1976.6	1993.5	1986.7
7.5°	1991.2	1986.7	1967.6	1985.6	1978.9
10°	1974.4	1971.0	1954.2	1972.1	1967.6
12.5°	1953.0	1951.9	1935.1	1955.3	1951.9
15°	1923.8	1923.8	1913.7	1933.9	1930.6
17.5°	1892.4	1893.5	1885.6	1907.0	1904.7
20°	1854.2	1859.8	1854.2	1876.7	1874.4
22.5°	1812.6	1820.5	1818.3	1840.7	1841.8
25°	1768.8	1776.7	1779.0	1802.5	1799.2
27.5°	1720.6	1732.9	1737.4	1758.7	1757.6
30°	1664.4	1681.2	1691.4	1709.3	1714.9
32.5°	1607.1	1627.3	1639.7	1664.4	1671.1
35°	1549.8	1567.8	1588.0	1612.7	1618.4
37.5°	1487.0	1507.2	1534.1	1557.7	1564.4
40°	1424.1	1446.5	1472.4	1498.2	1508.3
42.5°	1358.9	1382.5	1410.6	1440.9	1451.0
45°	1284.8	1316.2	1349.9	1375.8	1384.8
47.5°	1214.0	1248.9	1284.8	1312.9	1323.0
50°	1142.2	1179.2	1217.4	1243.2	1259.0
52.5°	1066.9	1107.4	1145.5	1178.1	1188.2
55°	990.6	1031.0	1073.7	1108.5	1116.3
57.5°	916.4	955.7	998.4	1031.0	1046.7
60°	835.6	878.2	924.3	956.9	973.7
62.5°	757.0	798.5	847.9	882.7	896.2
65°	681.7	719.9	770.4	806.4	818.7
67.5°	598.6	642.4	690.7	732.2	748.0
70°	516.6	558.2	613.2	652.5	668.2
72.5°	440.2	480.7	535.7	575.0	589.6
75°	359.4	402.1	460.5	499.8	518.9
77.5°	281.9	329.1	385.2	427.9	449.2
80°	210.0	251.6	312.2	359.4	378.5
82.5°	142.6	187.6	250.4	294.2	315.6
85°	87.6	134.8	193.2	234.7	249.3
87.5°	41.6	86.5	140.4	180.8	198.8
90°	5.6	48.3	98.8	138.1	152.7
92.5°	1.1	41.6	91.0	128.0	141.5
95°	1.1	41.6	89.8	125.8	139.3
97.5°	1.1	40.4	88.7	124.7	137.0
100°	1.1	39.3	87.6	122.4	135.9
102.5°	1.1	39.3	85.4	120.2	132.5
105°	1.1	38.2	84.2	117.9	130.3
107.5°	1.1	37.1	82.0	115.7	128.0
110°	1.1	34.8	80.9	112.3	124.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.1	33.7	78.6	110.1	121.3
115°	1.1	32.6	76.4	106.7	117.9
117.5°	1.1	31.4	73.0	103.3	114.6
120°	2.2	31.4	70.8	100.0	110.1
122.5°	2.2	30.3	67.4	95.5	105.6
125°	2.2	29.2	64.0	92.1	102.2
127.5°	2.2	28.1	60.6	87.6	96.6
130°	2.2	25.8	58.4	83.1	92.1
132.5°	2.2	24.7	55.0	77.5	86.5
135°	2.2	22.5	51.7	73.0	82.0
137.5°	2.2	21.3	48.3	68.5	76.4
140°	2.2	20.2	43.8	64.0	71.9
142.5°	2.2	18.0	40.4	59.5	66.3
145°	2.2	16.8	35.9	55.0	60.6
147.5°	2.2	14.6	32.6	50.5	56.2
150°	2.2	13.5	29.2	46.0	51.7
152.5°	2.2	12.4	25.8	40.4	46.0
155°	2.2	11.2	23.6	34.8	41.6
157.5°	2.2	10.1	20.2	30.3	37.1
160°	3.4	9.0	18.0	25.8	31.4
162.5°	3.4	7.9	14.6	21.3	28.1
165°	3.4	7.9	12.4	16.8	23.6
167.5°	3.4	6.7	10.1	13.5	19.1
170°	3.4	5.6	9.0	10.1	14.6
172.5°	3.4	4.5	6.7	6.7	7.9
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)