

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: P567949

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567949
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-66SL-LW-UNV-L850-CD
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

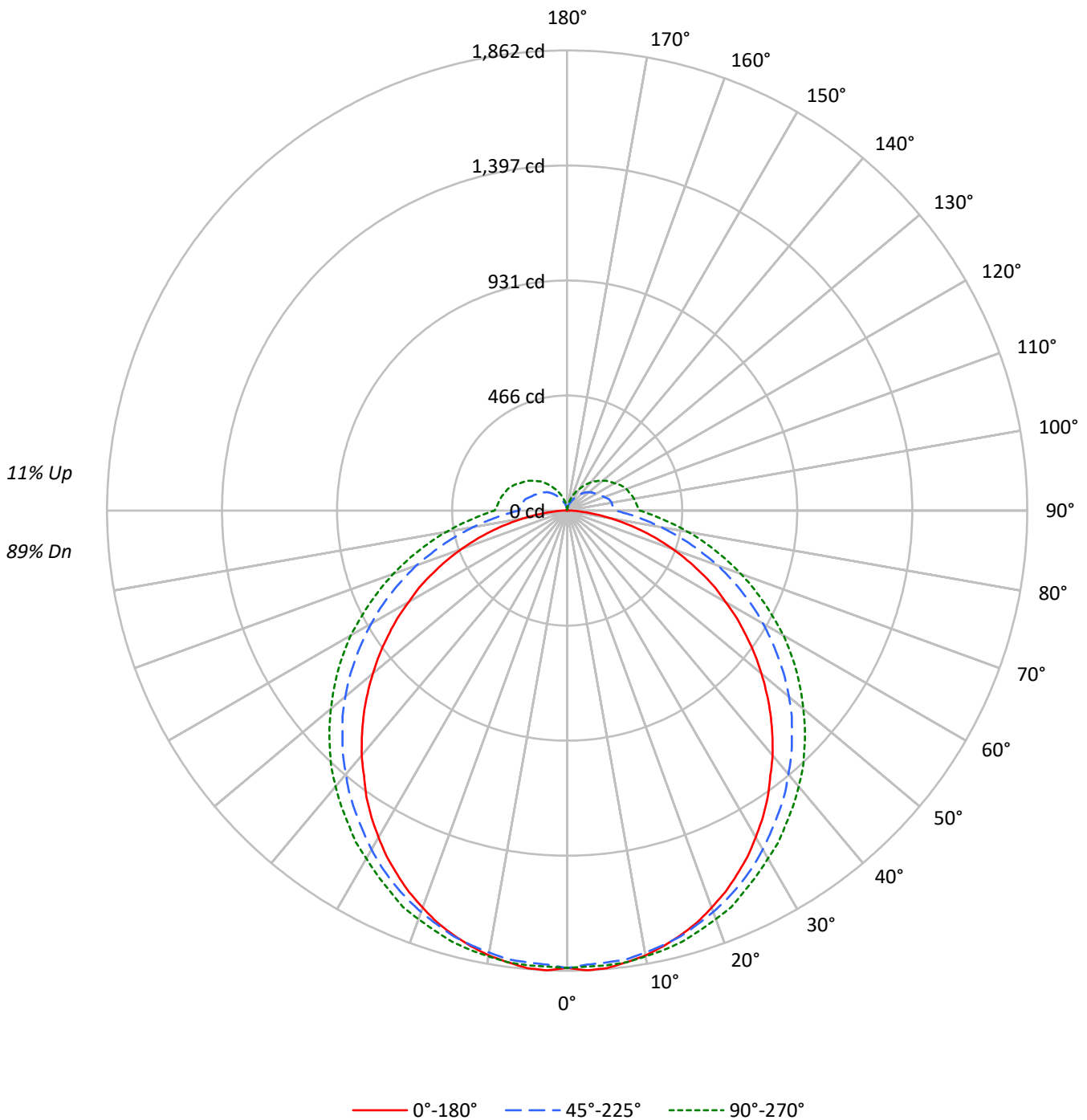
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6588.0 lumens
Efficiency: N/A
Efficacy: 156.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9960	9960	9960
5°	10021	9511	9427
10°	9952	9142	8956
15°	9852	8784	8532
20°	9717	8411	8107
25°	9560	8053	7692
30°	9373	7684	7294
35°	9167	7313	6922
40°	8932	6950	6567
45°	8677	6586	6203
50°	8386	6210	5822
55°	8066	5790	5447
60°	7690	5351	5051
65°	7303	4877	4600
70°	6759	4370	4156
75°	6037	3778	3685
80°	4865	3179	3215
85°	3426	2623	2734



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.8	2.7
10°-20°	505.2	7.7
20°-30°	768.2	11.7
30°-40°	932.5	14.2
40°-50°	985.4	15.0
50°-60°	922.1	14.0
60°-70°	756.6	11.5
70°-80°	520.4	7.9
80°-90°	285.0	4.3
90°-100°	183.5	2.8
100°-110°	164.7	2.5
110°-120°	136.3	2.1
120°-130°	105.0	1.6
130°-140°	73.8	1.1
140°-150°	44.4	0.7
150°-160°	21.3	0.3
160°-170°	7.0	0.1
170°-180°	0.8	0.0
0°-30°	1449.2	22.0
0°-40°	2381.8	36.2
0°-60°	4289.3	65.1
0°-90°	5851.3	88.8
90°-120°	484.5	7.4
90°-150°	707.7	10.7
90°-180°	737.0	11.2
0°-180°	6588.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1851	1851	1851	1851	1851	
5°	1858	1854	1835	1851	1847	176
15°	1778	1786	1782	1805	1805	501
25°	1626	1644	1664	1698	1698	749
35°	1416	1450	1492	1534	1545	884
45°	1164	1217	1286	1343	1358	897
55°	885	958	1046	1110	1133	792
65°	599	679	782	855	878	593
75°	313	397	511	591	618	329
85°	69	164	278	355	382	79
90°	0	92	195	267	294	5
95°	0	88	187	256	282	0
105°	0	72	176	240	263	3
115°	4	65	149	214	240	4
125°	4	53	126	183	206	3
135°	4	42	103	149	168	3
145°	4	30	72	114	126	2
155°	4	19	46	72	84	2
165°	4	11	23	34	42	1
175°	4	4	8	8	4	0
180°	4	4	4	4	4	



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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1850.6	1850.6	1850.6	1850.6	1850.6
2.5°	1862.0	1858.2	1839.1	1854.4	1846.8
5°	1858.2	1854.4	1835.3	1850.6	1846.8
7.5°	1843.0	1843.0	1831.5	1846.8	1843.0
10°	1827.7	1827.7	1816.2	1835.3	1831.5
12.5°	1804.8	1808.6	1801.0	1823.9	1820.1
15°	1778.1	1785.7	1781.9	1804.8	1804.8
17.5°	1747.6	1755.2	1755.2	1781.9	1781.9
20°	1709.4	1720.9	1728.5	1759.0	1759.0
22.5°	1671.2	1686.5	1698.0	1724.7	1736.1
25°	1625.5	1644.5	1663.6	1698.0	1698.0
27.5°	1579.7	1602.6	1625.5	1659.8	1663.6
30°	1526.3	1553.0	1583.5	1617.8	1625.5
32.5°	1472.8	1507.2	1537.7	1579.7	1591.1
35°	1415.6	1449.9	1491.9	1533.9	1545.3
37.5°	1350.7	1392.7	1446.1	1491.9	1503.4
40°	1293.5	1339.3	1392.7	1446.1	1457.6
42.5°	1228.6	1278.2	1343.1	1392.7	1411.8
45°	1163.8	1217.2	1285.9	1343.1	1358.4
47.5°	1095.1	1156.1	1232.5	1285.9	1304.9
50°	1026.4	1091.3	1171.4	1232.5	1247.7
52.5°	957.7	1026.4	1110.4	1171.4	1190.5
55°	885.2	957.7	1045.5	1110.4	1133.2
57.5°	816.5	889.0	980.6	1049.3	1072.2
60°	740.2	824.2	915.8	984.4	1011.1
62.5°	675.4	751.7	850.9	919.6	942.5
65°	599.1	679.2	782.2	854.7	877.6
67.5°	526.6	610.5	713.5	789.8	812.7
70°	454.1	538.0	648.7	721.2	747.9
72.5°	381.6	469.3	576.2	656.3	683.0
75°	312.9	396.8	511.3	591.4	618.1
77.5°	240.4	332.0	446.4	526.6	557.1
80°	175.5	270.9	385.4	465.5	496.0
82.5°	118.3	213.7	328.1	408.3	438.8
85°	68.7	164.1	278.5	354.9	381.6
87.5°	34.3	125.9	232.8	309.1	335.8
90°	0.0	91.6	194.6	267.1	293.8
92.5°	0.0	87.8	190.8	259.5	286.2
95°	0.0	87.8	187.0	255.6	282.4
97.5°	0.0	83.9	183.2	255.6	278.5
100°	0.0	80.1	183.2	251.8	274.7
102.5°	0.0	76.3	179.3	248.0	270.9
105°	0.0	72.5	175.5	240.4	263.3
107.5°	3.8	72.5	167.9	236.6	259.5
110°	3.8	68.7	160.3	232.8	255.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	3.8	64.9	152.6	225.1	248.0
115°	3.8	64.9	148.8	213.7	240.4
117.5°	3.8	61.1	141.2	206.0	232.8
120°	3.8	61.1	137.4	198.4	221.3
122.5°	3.8	57.2	129.7	190.8	213.7
125°	3.8	53.4	125.9	183.2	206.0
127.5°	3.8	49.6	122.1	175.5	198.4
130°	3.8	45.8	114.5	167.9	187.0
132.5°	3.8	45.8	110.7	156.4	179.3
135°	3.8	42.0	103.0	148.8	167.9
137.5°	3.8	38.2	95.4	141.2	160.3
140°	3.8	34.3	87.8	133.5	148.8
142.5°	3.8	34.3	80.1	122.1	137.4
145°	3.8	30.5	72.5	114.5	125.9
147.5°	3.8	26.7	64.9	103.0	114.5
150°	3.8	26.7	57.2	91.6	103.0
152.5°	3.8	22.9	49.6	83.9	95.4
155°	3.8	19.1	45.8	72.5	83.9
157.5°	3.8	19.1	38.2	61.1	72.5
160°	3.8	15.3	34.3	49.6	61.1
162.5°	3.8	15.3	30.5	42.0	53.4
165°	3.8	11.4	22.9	34.3	42.0
167.5°	3.8	11.4	19.1	26.7	34.3
170°	3.8	7.6	15.3	19.1	26.7
172.5°	3.8	7.6	11.4	11.4	11.4
175°	3.8	3.8	7.6	7.6	3.8
177.5°	3.8	3.8	3.8	3.8	3.8
180°	3.8	3.8	3.8	3.8	3.8

(END OF REPORT)