

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: P567957

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567957  
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-SLW-UNV-L850-CD  
Description: 8FT 6600 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

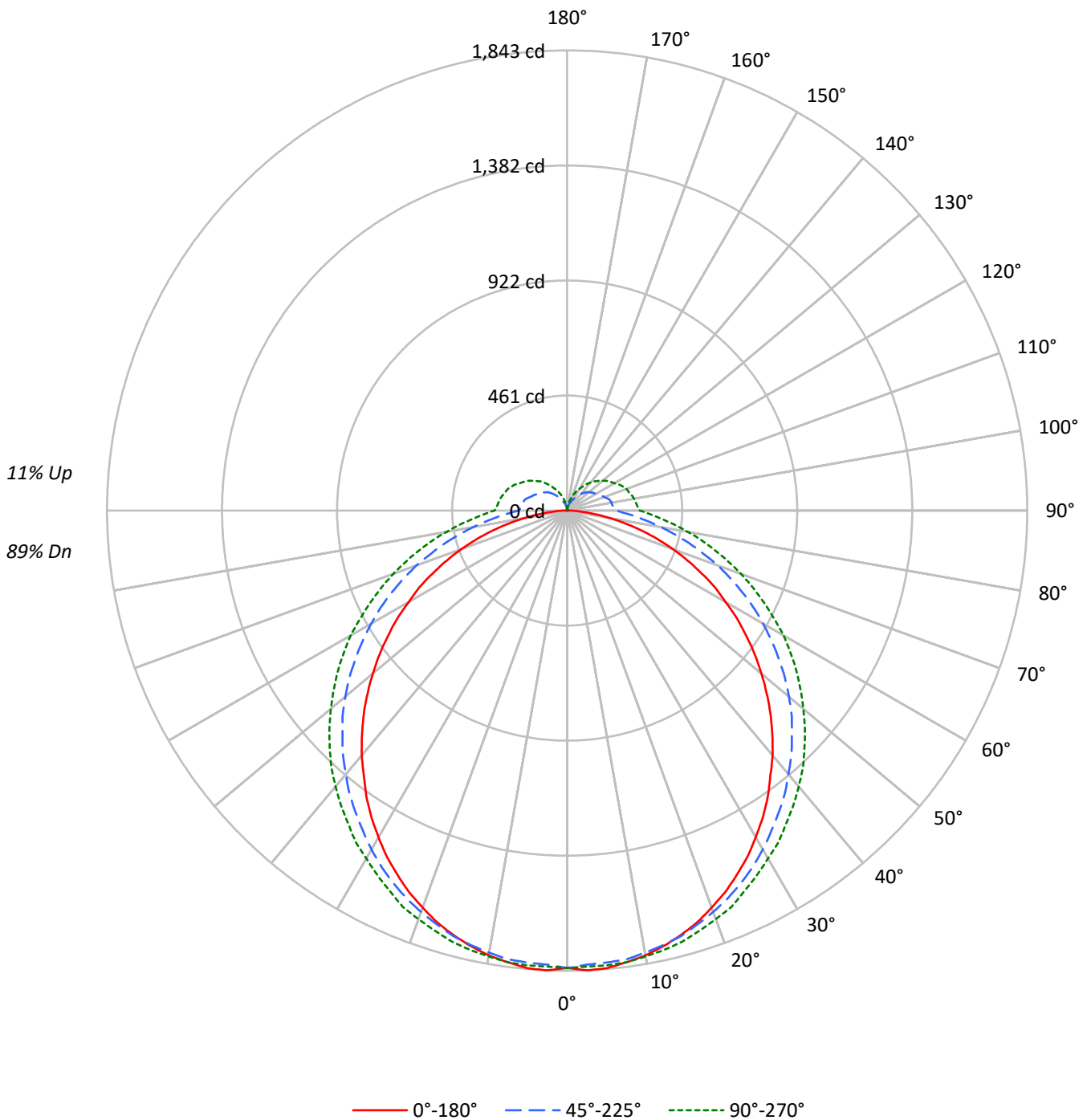
Lumens per Lamp: N/A  
Luminaire Lumens: 6521.0 lumens  
Efficiency: N/A  
Efficacy: 154.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 42.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	9859	9859	9859
5°	9928	9611	9597
10°	9869	9423	9360
15°	9779	9229	9140
20°	9654	9005	8897
25°	9508	8787	8643
30°	9332	8546	8390
35°	9140	8296	8154
40°	8917	8050	7928
45°	8677	7799	7683
50°	8403	7534	7409
55°	8101	7216	7140
60°	7747	6874	6840
65°	7387	6491	6462
70°	6876	6068	6092
75°	6200	5529	5682
80°	5084	4983	5279
85°	3754	4519	4864



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	174.0	2.7
10°-20°	500.1	7.7
20°-30°	760.4	11.7
30°-40°	923.0	14.2
40°-50°	975.4	15.0
50°-60°	912.7	14.0
60°-70°	748.9	11.5
70°-80°	515.1	7.9
80°-90°	282.1	4.3
90°-100°	181.6	2.8
100°-110°	163.0	2.5
110°-120°	134.9	2.1
120°-130°	103.9	1.6
130°-140°	73.0	1.1
140°-150°	44.0	0.7
150°-160°	21.1	0.3
160°-170°	6.9	0.1
170°-180°	0.8	0.0
0°-30°	1434.5	22.0
0°-40°	2357.5	36.2
0°-60°	4245.6	65.1
0°-90°	5791.7	88.8
90°-120°	479.6	7.4
90°-150°	700.4	10.7
90°-180°	729.0	11.2
0°-180°	6521.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1832	1832	1832	1832	1832	
5°	1839	1836	1817	1832	1828	174
15°	1760	1768	1764	1786	1786	496
25°	1609	1628	1647	1681	1681	741
35°	1401	1435	1477	1518	1530	875
45°	1152	1205	1273	1329	1345	888
55°	876	948	1035	1099	1122	784
65°	593	672	774	846	869	587
75°	310	393	506	585	612	326
85°	68	162	276	351	378	79
90°	0	91	193	264	291	5
95°	0	87	185	253	280	0
105°	0	72	174	238	261	3
115°	4	64	147	212	238	4
125°	4	53	125	181	204	3
135°	4	42	102	147	166	3
145°	4	30	72	113	125	2
155°	4	19	45	72	83	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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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1831.8	1831.8	1831.8	1831.8	1831.8
2.5°	1843.1	1839.3	1820.4	1835.5	1828.0
5°	1839.3	1835.5	1816.7	1831.8	1828.0
7.5°	1824.2	1824.2	1812.9	1828.0	1824.2
10°	1809.1	1809.1	1797.8	1816.7	1812.9
12.5°	1786.4	1790.2	1782.7	1805.3	1801.5
15°	1760.0	1767.6	1763.8	1786.4	1786.4
17.5°	1729.8	1737.3	1737.3	1763.8	1763.8
20°	1692.0	1703.4	1710.9	1741.1	1741.1
22.5°	1654.3	1669.4	1680.7	1707.1	1718.5
25°	1608.9	1627.8	1646.7	1680.7	1680.7
27.5°	1563.6	1586.3	1608.9	1642.9	1646.7
30°	1510.7	1537.2	1567.4	1601.4	1608.9
32.5°	1457.9	1491.8	1522.1	1563.6	1574.9
35°	1401.2	1435.2	1476.7	1518.3	1529.6
37.5°	1337.0	1378.5	1431.4	1476.7	1488.1
40°	1280.3	1325.7	1378.5	1431.4	1442.8
42.5°	1216.1	1265.2	1329.4	1378.5	1397.4
45°	1151.9	1204.8	1272.8	1329.4	1344.6
47.5°	1084.0	1144.4	1219.9	1272.8	1291.7
50°	1016.0	1080.2	1159.5	1219.9	1235.0
52.5°	948.0	1016.0	1099.1	1159.5	1178.4
55°	876.2	948.0	1034.9	1099.1	1121.7
57.5°	808.2	880.0	970.6	1038.6	1061.3
60°	732.7	815.8	906.4	974.4	1000.9
62.5°	668.5	744.0	842.2	910.2	932.9
65°	593.0	672.3	774.3	846.0	868.7
67.5°	521.2	604.3	706.3	781.8	804.5
70°	449.4	532.5	642.1	713.8	740.3
72.5°	377.7	464.6	570.3	649.6	676.1
75°	309.7	392.8	506.1	585.4	611.8
77.5°	237.9	328.6	441.9	521.2	551.4
80°	173.7	268.2	381.5	460.8	491.0
82.5°	117.1	211.5	324.8	404.1	434.3
85°	68.0	162.4	275.7	351.2	377.7
87.5°	34.0	124.6	230.4	305.9	332.4
90°	0.0	90.6	192.6	264.4	290.8
92.5°	0.0	86.9	188.8	256.8	283.3
95°	0.0	86.9	185.1	253.0	279.5
97.5°	0.0	83.1	181.3	253.0	275.7
100°	0.0	79.3	181.3	249.3	271.9
102.5°	0.0	75.5	177.5	245.5	268.2
105°	0.0	71.8	173.7	237.9	260.6
107.5°	3.8	71.8	166.2	234.2	256.8
110°	3.8	68.0	158.6	230.4	253.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.8	64.2	151.1	222.8	245.5
115°	3.8	64.2	147.3	211.5	237.9
117.5°	3.8	60.4	139.7	203.9	230.4
120°	3.8	60.4	136.0	196.4	219.1
122.5°	3.8	56.7	128.4	188.8	211.5
125°	3.8	52.9	124.6	181.3	203.9
127.5°	3.8	49.1	120.9	173.7	196.4
130°	3.8	45.3	113.3	166.2	185.1
132.5°	3.8	45.3	109.5	154.9	177.5
135°	3.8	41.5	102.0	147.3	166.2
137.5°	3.8	37.8	94.4	139.7	158.6
140°	3.8	34.0	86.9	132.2	147.3
142.5°	3.8	34.0	79.3	120.9	136.0
145°	3.8	30.2	71.8	113.3	124.6
147.5°	3.8	26.4	64.2	102.0	113.3
150°	3.8	26.4	56.7	90.6	102.0
152.5°	3.8	22.7	49.1	83.1	94.4
155°	3.8	18.9	45.3	71.8	83.1
157.5°	3.8	18.9	37.8	60.4	71.8
160°	3.8	15.1	34.0	49.1	60.4
162.5°	3.8	15.1	30.2	41.5	52.9
165°	3.8	11.3	22.7	34.0	41.5
167.5°	3.8	11.3	18.9	26.4	34.0
170°	3.8	7.6	15.1	18.9	26.4
172.5°	3.8	7.6	11.3	11.3	11.3
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)