

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: P568055

Luminaire Tested: **8SNX-82SL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568055  
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-82SL-SLW-UNV-L935-CD  
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

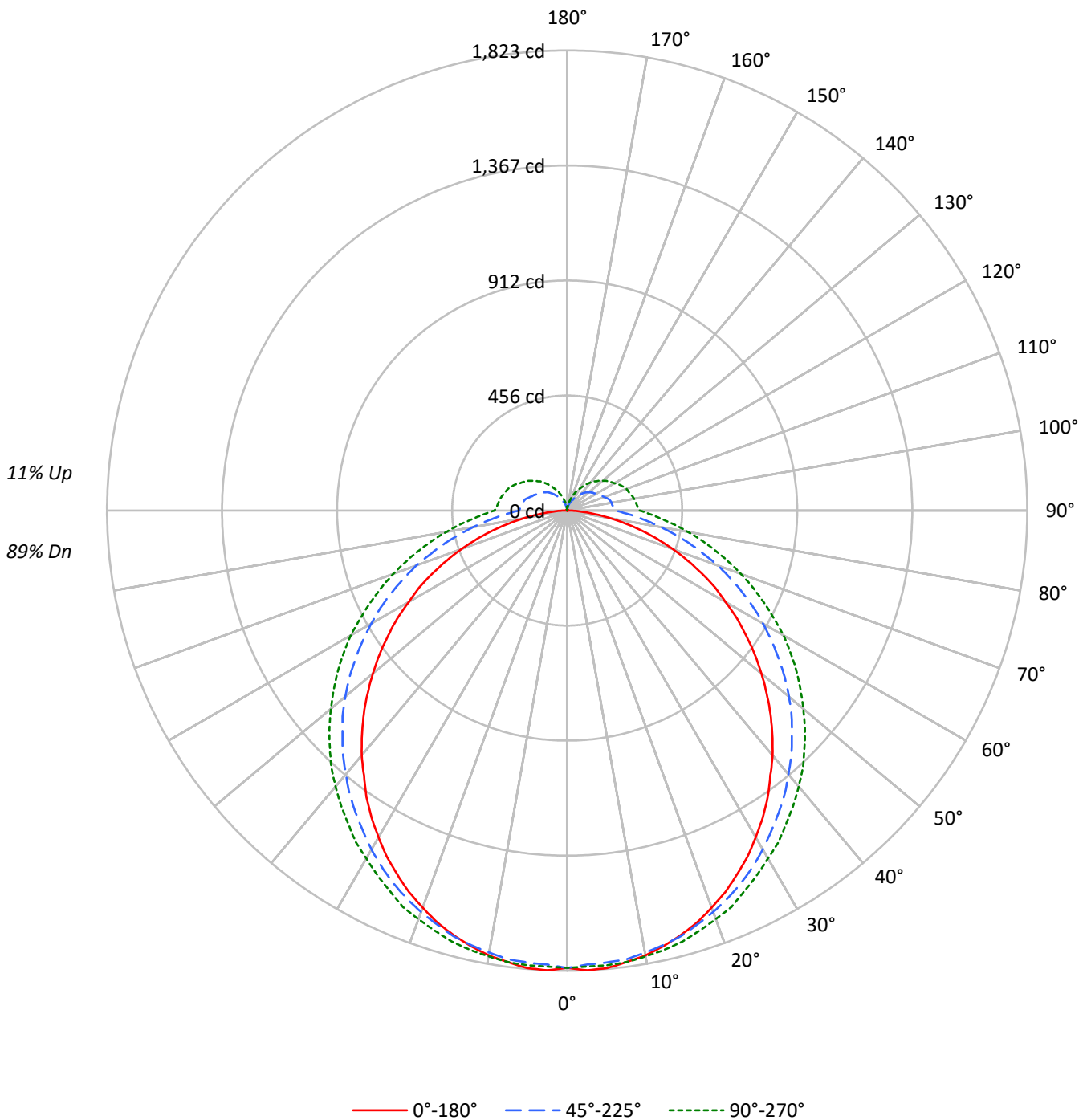
Lumens per Lamp: N/A  
Luminaire Lumens: 6449.9 lumens  
Efficiency: N/A  
Efficacy: 122.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 52.6  
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: P568055

CATALOG NUMBER: 8SNX-82SL-SLW-UNV-L935-CD

### 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	77	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°	9751	9751	9751
5°	9820	9506	9493
10°	9761	9320	9257
15°	9673	9128	9041
20°	9549	8908	8800
25°	9405	8691	8548
30°	9231	8453	8299
35°	9040	8206	8066
40°	8820	7962	7841
45°	8583	7714	7599
50°	8311	7453	7329
55°	8014	7137	7062
60°	7663	6800	6766
65°	7306	6419	6391
70°	6801	6002	6026
75°	6132	5469	5621
80°	5029	4928	5221
85°	3710	4470	4812



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	172.1	2.7
10°-20°	494.6	7.7
20°-30°	752.1	11.7
30°-40°	913.0	14.2
40°-50°	964.8	15.0
50°-60°	902.8	14.0
60°-70°	740.7	11.5
70°-80°	509.5	7.9
80°-90°	279.0	4.3
90°-100°	179.7	2.8
100°-110°	161.2	2.5
110°-120°	133.4	2.1
120°-130°	102.8	1.6
130°-140°	72.2	1.1
140°-150°	43.5	0.7
150°-160°	20.8	0.3
160°-170°	6.8	0.1
170°-180°	0.8	0.0
0°-30°	1418.9	22.0
0°-40°	2331.9	36.2
0°-60°	4199.4	65.1
0°-90°	5728.7	88.8
90°-120°	474.3	7.4
90°-150°	692.8	10.7
90°-180°	721.0	11.2
0°-180°	6449.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1812	1812	1812	1812	1812	
5°	1819	1816	1797	1812	1808	173
15°	1741	1748	1745	1767	1767	491
25°	1591	1610	1629	1662	1662	733
35°	1386	1420	1461	1502	1513	866
45°	1139	1192	1259	1315	1330	878
55°	867	938	1024	1087	1110	776
65°	586	665	766	837	859	581
75°	306	388	501	579	605	322
85°	67	161	273	347	374	78
90°	0	90	190	262	288	5
95°	0	86	183	250	276	0
105°	0	71	172	235	258	2
115°	4	64	146	209	235	4
125°	4	52	123	179	202	3
135°	4	41	101	146	164	3
145°	4	30	71	112	123	2
155°	4	19	45	71	82	2
165°	4	11	22	34	41	1
175°	4	4	8	8	4	0
180°	4	4	4	4	4	



TEST NUMBER: P568055

CATALOG NUMBER: 8SNX-82SL-SLW-UNV-L935-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1811.8	1811.8	1811.8	1811.8	1811.8
2.5°	1823.0	1819.3	1800.6	1815.6	1808.1
5°	1819.3	1815.6	1796.9	1811.8	1808.1
7.5°	1804.3	1804.3	1793.1	1808.1	1804.3
10°	1789.4	1789.4	1778.2	1796.9	1793.1
12.5°	1767.0	1770.7	1763.3	1785.7	1781.9
15°	1740.8	1748.3	1744.6	1767.0	1767.0
17.5°	1711.0	1718.4	1718.4	1744.6	1744.6
20°	1673.6	1684.8	1692.3	1722.2	1722.2
22.5°	1636.2	1651.2	1662.4	1688.5	1699.7
25°	1591.4	1610.1	1628.8	1662.4	1662.4
27.5°	1546.6	1569.0	1591.4	1625.0	1628.8
30°	1494.3	1520.4	1550.3	1583.9	1591.4
32.5°	1442.0	1475.6	1505.5	1546.6	1557.8
35°	1385.9	1419.6	1460.7	1501.8	1513.0
37.5°	1322.4	1363.5	1415.8	1460.7	1471.9
40°	1266.4	1311.2	1363.5	1415.8	1427.0
42.5°	1202.9	1251.5	1315.0	1363.5	1382.2
45°	1139.4	1191.7	1258.9	1315.0	1329.9
47.5°	1072.1	1131.9	1206.6	1258.9	1277.6
50°	1004.9	1068.4	1146.9	1206.6	1221.6
52.5°	937.7	1004.9	1087.1	1146.9	1165.5
55°	866.7	937.7	1023.6	1087.1	1109.5
57.5°	799.4	870.4	960.1	1027.3	1049.7
60°	724.7	806.9	896.6	963.8	990.0
62.5°	661.2	735.9	833.1	900.3	922.7
65°	586.5	665.0	765.8	836.8	859.2
67.5°	515.5	597.7	698.6	773.3	795.7
70°	444.5	526.7	635.1	706.0	732.2
72.5°	373.6	459.5	564.1	642.5	668.7
75°	306.3	388.5	500.6	579.0	605.2
77.5°	235.3	325.0	437.1	515.5	545.4
80°	171.8	265.2	377.3	455.8	485.6
82.5°	115.8	209.2	321.3	399.7	429.6
85°	67.2	160.6	272.7	347.4	373.6
87.5°	33.6	123.3	227.9	302.6	328.7
90°	0.0	89.7	190.5	261.5	287.6
92.5°	0.0	85.9	186.8	254.0	280.2
95°	0.0	85.9	183.0	250.3	276.4
97.5°	0.0	82.2	179.3	250.3	272.7
100°	0.0	78.4	179.3	246.6	269.0
102.5°	0.0	74.7	175.6	242.8	265.2
105°	0.0	71.0	171.8	235.3	257.8
107.5°	3.7	71.0	164.4	231.6	254.0
110°	3.7	67.2	156.9	227.9	250.3



TEST NUMBER: P568055

CATALOG NUMBER: 8SNX-82SL-SLW-UNV-L935-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	3.7	63.5	149.4	220.4	242.8
115°	3.7	63.5	145.7	209.2	235.3
117.5°	3.7	59.8	138.2	201.7	227.9
120°	3.7	59.8	134.5	194.3	216.7
122.5°	3.7	56.0	127.0	186.8	209.2
125°	3.7	52.3	123.3	179.3	201.7
127.5°	3.7	48.6	119.5	171.8	194.3
130°	3.7	44.8	112.1	164.4	183.0
132.5°	3.7	44.8	108.3	153.2	175.6
135°	3.7	41.1	100.9	145.7	164.4
137.5°	3.7	37.4	93.4	138.2	156.9
140°	3.7	33.6	85.9	130.7	145.7
142.5°	3.7	33.6	78.4	119.5	134.5
145°	3.7	29.9	71.0	112.1	123.3
147.5°	3.7	26.1	63.5	100.9	112.1
150°	3.7	26.1	56.0	89.7	100.9
152.5°	3.7	22.4	48.6	82.2	93.4
155°	3.7	18.7	44.8	71.0	82.2
157.5°	3.7	18.7	37.4	59.8	71.0
160°	3.7	14.9	33.6	48.6	59.8
162.5°	3.7	14.9	29.9	41.1	52.3
165°	3.7	11.2	22.4	33.6	41.1
167.5°	3.7	11.2	18.7	26.1	33.6
170°	3.7	7.5	14.9	18.7	26.1
172.5°	3.7	7.5	11.2	11.2	11.2
175°	3.7	3.7	7.5	7.5	3.7
177.5°	3.7	3.7	3.7	3.7	3.7
180°	3.7	3.7	3.7	3.7	3.7

(END OF REPORT)