

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: P567159

Luminaire Tested: **8SNX-102SL-FDL-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567159  
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-102SL-FDL-UNV-L935-CD  
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

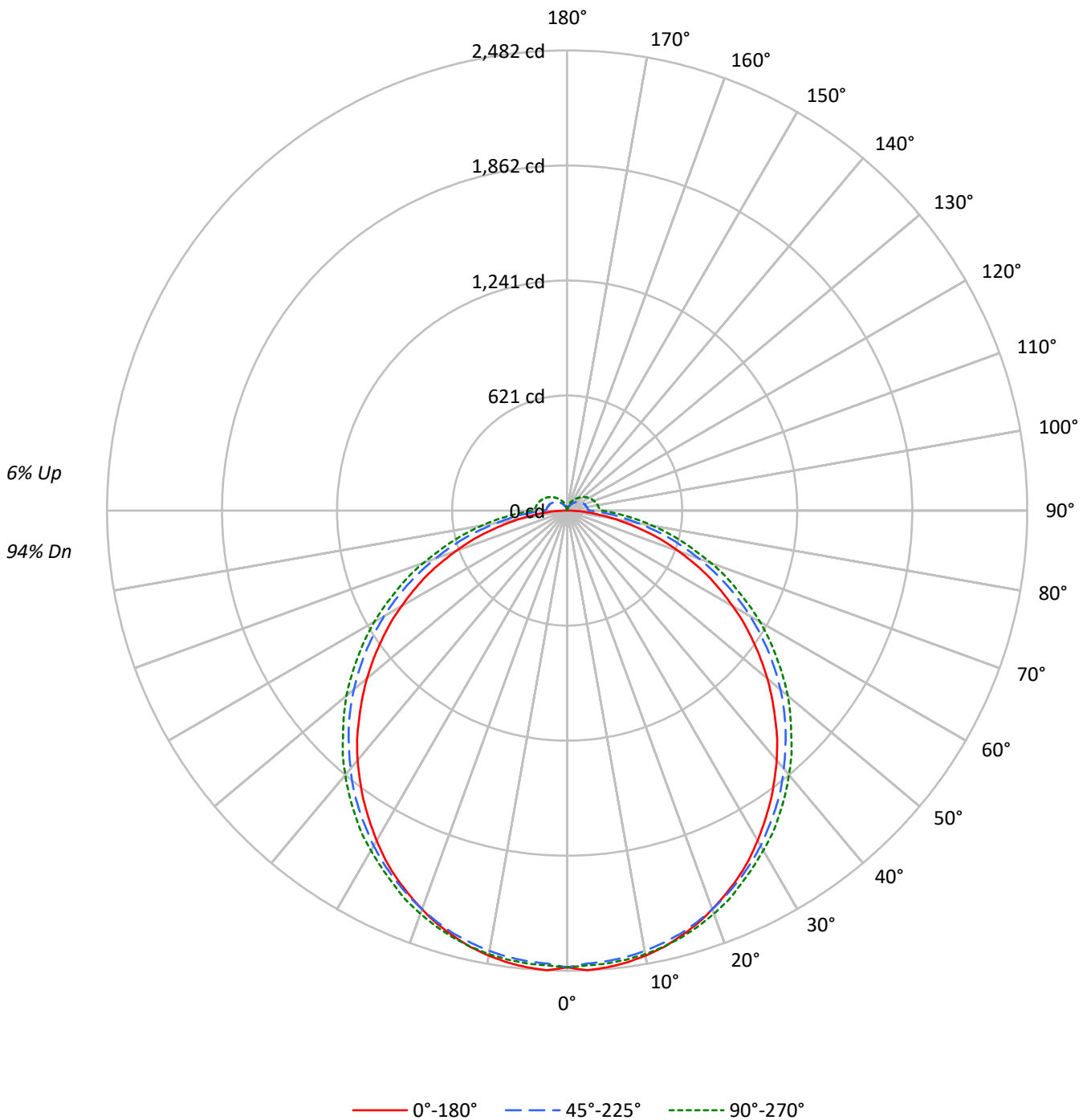
Lumens per Lamp: N/A  
Luminaire Lumens: 7829.0 lumens  
Efficiency: N/A  
Efficacy: 111.8 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')  
CIE Type: Direct

Input Watts (W): 70  
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: P567159

CATALOG NUMBER: 8SNX-102SL-FDL-UNV-L935-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P567159

CATALOG NUMBER: 8SNX-102SL-FDL-UNV-L935-CD

**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	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°	13259	13259	13259
5°	13356	13044	13059
10°	13308	12907	12895
15°	13214	12748	12711
20°	13085	12555	12495
25°	12936	12342	12238
30°	12730	12125	12001
35°	12524	11870	11754
40°	12297	11588	11476
45°	12009	11310	11152
50°	11733	10992	10857
55°	11389	10597	10445
60°	11004	10146	10040
65°	10598	9608	9482
70°	9893	8930	8903
75°	9048	8131	8211
80°	7806	7071	7444
85°	6300	6164	6543



TEST NUMBER: P567159

CATALOG NUMBER: 8SNX-102SL-FDL-UNV-L935-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	233.6	3.0
10°-20°	670.4	8.6
20°-30°	1016.0	13.0
30°-40°	1226.5	15.7
40°-50°	1280.8	16.4
50°-60°	1176.7	15.0
60°-70°	930.5	11.9
70°-80°	588.9	7.5
80°-90°	253.1	3.2
90°-100°	111.4	1.4
100°-110°	99.7	1.3
110°-120°	84.2	1.1
120°-130°	65.6	0.8
130°-140°	45.5	0.6
140°-150°	27.3	0.3
150°-160°	13.3	0.2
160°-170°	4.6	0.1
170°-180°	0.7	0.0
0°-30°	1920.1	24.5
0°-40°	3146.7	40.2
0°-60°	5604.1	71.6
0°-90°	7376.6	94.2
90°-120°	295.3	3.8
90°-150°	433.7	5.5
90°-180°	452.0	5.8
0°-180°	7829.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2464	2464	2464	2464	2464	
5°	2473	2466	2440	2461	2452	235
15°	2375	2375	2362	2387	2383	670
25°	2184	2193	2196	2225	2221	1006
35°	1913	1935	1960	1991	1998	1196
45°	1586	1625	1666	1698	1709	1225
55°	1223	1273	1325	1368	1378	1094
65°	842	889	951	995	1011	829
75°	444	496	568	617	640	470
85°	108	166	238	290	308	120
90°	7	60	122	170	189	9
95°	1	51	111	155	172	1
105°	1	47	104	146	161	1
115°	1	40	94	132	146	2
125°	3	36	79	114	126	3
135°	3	28	64	90	101	2
145°	3	21	44	68	75	2
155°	3	14	29	43	51	1
165°	4	10	15	21	29	1
175°	4	6	7	7	4	0
180°	4	4	4	4	4	



TEST NUMBER: P567159

CATALOG NUMBER: 8SNX-102SL-FDL-UNV-L935-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2463.6	2463.6	2463.6	2463.6	2463.6
2.5°	2481.7	2473.3	2445.6	2465.0	2455.3
5°	2473.3	2466.4	2440.1	2460.9	2452.5
7.5°	2458.1	2452.5	2429.0	2451.2	2442.8
10°	2437.3	2433.1	2412.3	2434.5	2429.0
12.5°	2411.0	2409.6	2388.8	2413.7	2409.6
15°	2374.9	2374.9	2362.4	2387.4	2383.2
17.5°	2336.1	2337.5	2327.8	2354.1	2351.3
20°	2289.0	2295.9	2289.0	2316.7	2313.9
22.5°	2237.7	2247.4	2244.6	2272.3	2273.7
25°	2183.6	2193.3	2196.1	2225.2	2221.0
27.5°	2124.0	2139.2	2144.8	2171.1	2169.7
30°	2054.6	2075.4	2087.9	2110.1	2117.0
32.5°	1983.9	2008.9	2024.1	2054.6	2063.0
35°	1913.2	1935.4	1960.4	1990.9	1997.8
37.5°	1835.6	1860.6	1893.8	1922.9	1931.3
40°	1758.0	1785.7	1817.6	1849.5	1861.9
42.5°	1677.5	1706.7	1741.3	1778.8	1791.2
45°	1586.0	1624.9	1666.5	1698.3	1709.4
47.5°	1498.7	1541.7	1586.0	1620.7	1633.2
50°	1410.0	1455.7	1502.9	1534.7	1554.2
52.5°	1317.1	1367.0	1414.1	1454.3	1466.8
55°	1222.8	1272.7	1325.4	1368.4	1378.1
57.5°	1131.3	1179.8	1232.5	1272.7	1292.1
60°	1031.5	1084.2	1141.0	1181.2	1202.0
62.5°	934.4	985.7	1046.7	1089.7	1106.3
65°	841.5	888.7	951.1	995.4	1010.7
67.5°	739.0	793.0	852.6	903.9	923.3
70°	637.7	689.0	757.0	805.5	824.9
72.5°	543.5	593.4	661.3	709.8	727.9
75°	443.6	496.3	568.4	616.9	640.5
77.5°	348.0	406.2	475.5	528.2	554.6
80°	259.3	310.6	385.4	443.6	467.2
82.5°	176.1	231.5	309.2	363.2	389.6
85°	108.1	166.4	238.5	289.8	307.8
87.5°	51.3	106.8	173.3	223.2	245.4
90°	6.9	59.6	122.0	170.5	188.6
92.5°	1.4	51.3	112.3	158.0	174.7
95°	1.4	51.3	110.9	155.3	171.9
97.5°	1.4	49.9	109.5	153.9	169.1
100°	1.4	48.5	108.1	151.1	167.8
102.5°	1.4	48.5	105.4	148.3	163.6
105°	1.4	47.1	104.0	145.6	160.8
107.5°	1.4	45.8	101.2	142.8	158.0
110°	1.4	43.0	99.8	138.6	153.9



TEST NUMBER: P567159

CATALOG NUMBER: 8SNX-102SL-FDL-UNV-L935-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	41.6	97.0	135.9	149.7
115°	1.4	40.2	94.3	131.7	145.6
117.5°	1.4	38.8	90.1	127.5	141.4
120°	2.8	38.8	87.3	123.4	135.9
122.5°	2.8	37.4	83.2	117.8	130.3
125°	2.8	36.0	79.0	113.7	126.2
127.5°	2.8	34.7	74.9	108.1	119.2
130°	2.8	31.9	72.1	102.6	113.7
132.5°	2.8	30.5	67.9	95.7	106.8
135°	2.8	27.7	63.8	90.1	101.2
137.5°	2.8	26.3	59.6	84.6	94.3
140°	2.8	25.0	54.1	79.0	88.7
142.5°	2.8	22.2	49.9	73.5	81.8
145°	2.8	20.8	44.4	67.9	74.9
147.5°	2.8	18.0	40.2	62.4	69.3
150°	2.8	16.6	36.0	56.8	63.8
152.5°	2.8	15.3	31.9	49.9	56.8
155°	2.8	13.9	29.1	43.0	51.3
157.5°	2.8	12.5	25.0	37.4	45.8
160°	4.2	11.1	22.2	31.9	38.8
162.5°	4.2	9.7	18.0	26.3	34.7
165°	4.2	9.7	15.3	20.8	29.1
167.5°	4.2	8.3	12.5	16.6	23.6
170°	4.2	6.9	11.1	12.5	18.0
172.5°	4.2	5.5	8.3	8.3	9.7
175°	4.2	5.5	6.9	6.9	4.2
177.5°	4.2	4.2	4.2	4.2	2.8
180°	4.2	4.2	4.2	4.2	4.2

(END OF REPORT)