

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: P567190

Luminaire Tested: **8SNX-102SL-SLW-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567190  
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-102SL-SLW-UNV-L930-CD  
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

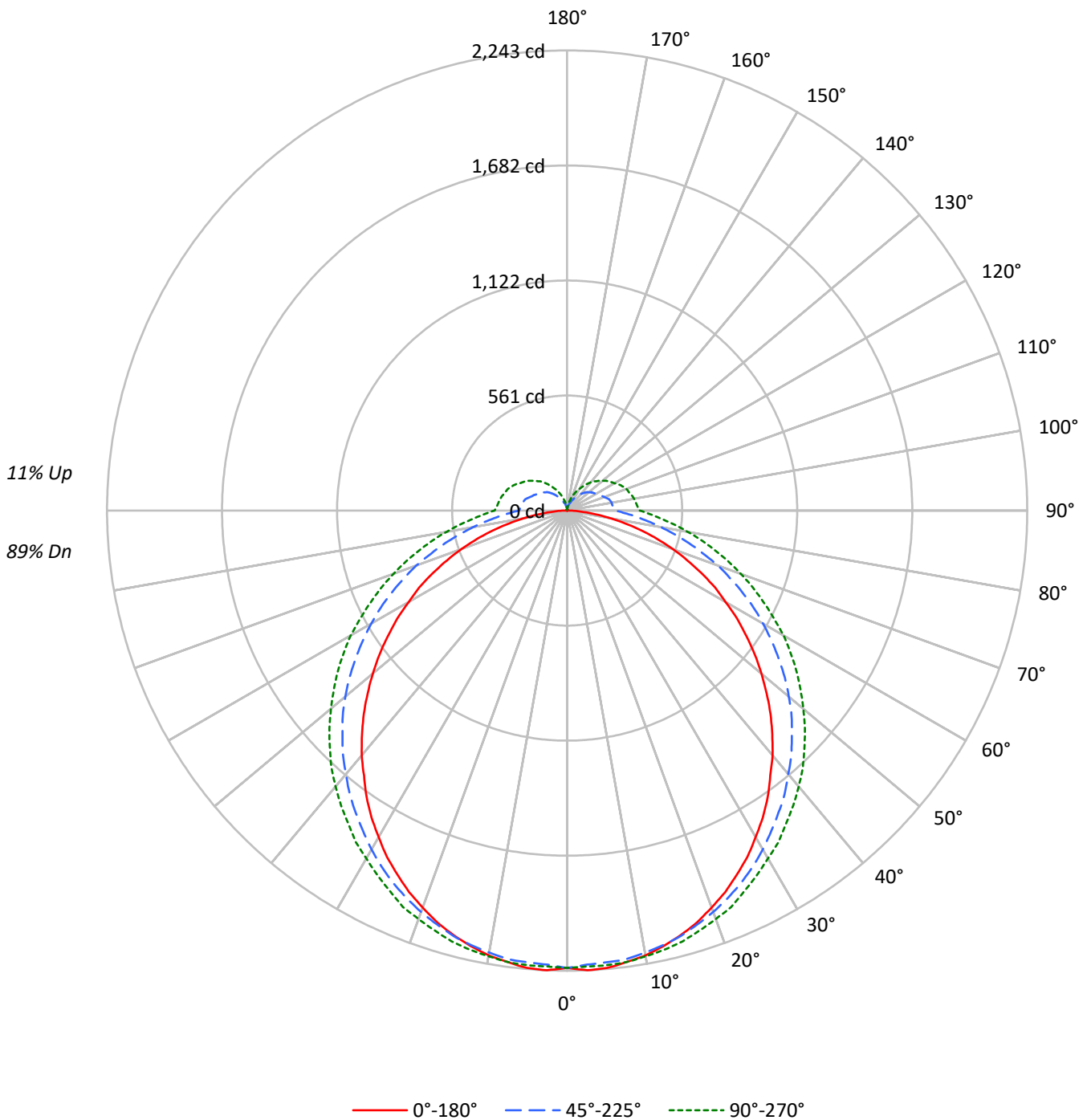
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7935.0 lumens  
Efficiency: N/A  
Efficacy: 113.4 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): 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: P567190  
CATALOG NUMBER: 8SNX-102SL-SLW-UNV-L930-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P567190

CATALOG NUMBER: 8SNX-102SL-SLW-UNV-L930-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	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°	11996	11996	11996
5°	12081	11695	11678
10°	12009	11466	11389
15°	11900	11230	11123
20°	11748	10958	10826
25°	11570	10692	10516
30°	11356	10399	10210
35°	11121	10095	9922
40°	10851	9796	9647
45°	10559	9491	9349
50°	10225	9168	9016
55°	9858	8780	8688
60°	9428	8365	8323
65°	8988	7897	7863
70°	8367	7383	7413
75°	7545	6727	6914
80°	6188	6063	6424
85°	4565	5499	5919



TEST NUMBER: P567190

CATALOG NUMBER: 8SNX-102SL-SLW-UNV-L930-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.7	2.7
10°-20°	608.5	7.7
20°-30°	925.3	11.7
30°-40°	1123.2	14.2
40°-50°	1186.9	15.0
50°-60°	1110.6	14.0
60°-70°	911.3	11.5
70°-80°	626.8	7.9
80°-90°	343.3	4.3
90°-100°	221.0	2.8
100°-110°	198.3	2.5
110°-120°	164.2	2.1
120°-130°	126.4	1.6
130°-140°	88.8	1.1
140°-150°	53.5	0.7
150°-160°	25.6	0.3
160°-170°	8.4	0.1
170°-180°	1.0	0.0
0°-30°	1745.5	22.0
0°-40°	2868.7	36.2
0°-60°	5166.3	65.1
0°-90°	7047.6	88.8
90°-120°	583.5	7.4
90°-150°	852.3	10.7
90°-180°	887.0	11.2
0°-180°	7935.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2229	2229	2229	2229	2229	
5°	2238	2234	2211	2229	2224	212
15°	2142	2151	2146	2174	2174	604
25°	1958	1981	2004	2045	2045	902
35°	1705	1746	1797	1848	1861	1065
45°	1402	1466	1549	1618	1636	1080
55°	1066	1154	1259	1337	1365	954
65°	722	818	942	1030	1057	715
75°	377	478	616	712	744	397
85°	83	198	336	427	460	96
90°	0	110	234	322	354	6
95°	0	106	225	308	340	0
105°	0	87	211	290	317	3
115°	5	78	179	257	290	5
125°	5	64	152	221	248	4
135°	5	51	124	179	202	4
145°	5	37	87	138	152	3
155°	5	23	55	87	101	2
165°	5	14	28	41	51	1
175°	5	5	9	9	5	0
180°	5	5	5	5	5	



TEST NUMBER: P567190

CATALOG NUMBER: 8SNX-102SL-SLW-UNV-L930-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2229.0	2229.0	2229.0	2229.0	2229.0
2.5°	2242.7	2238.2	2215.2	2233.6	2224.4
5°	2238.2	2233.6	2210.6	2229.0	2224.4
7.5°	2219.8	2219.8	2206.0	2224.4	2219.8
10°	2201.4	2201.4	2187.6	2210.6	2206.0
12.5°	2173.8	2178.4	2169.2	2196.8	2192.2
15°	2141.6	2150.8	2146.2	2173.8	2173.8
17.5°	2104.9	2114.1	2114.1	2146.2	2146.2
20°	2058.9	2072.7	2081.9	2118.7	2118.7
22.5°	2013.0	2031.3	2045.1	2077.3	2091.1
25°	1957.8	1980.8	2003.8	2045.1	2045.1
27.5°	1902.7	1930.2	1957.8	1999.2	2003.8
30°	1838.3	1870.5	1907.3	1948.6	1957.8
32.5°	1774.0	1815.3	1852.1	1902.7	1916.4
35°	1705.0	1746.4	1797.0	1847.5	1861.3
37.5°	1626.9	1677.5	1741.8	1797.0	1810.7
40°	1558.0	1613.1	1677.5	1741.8	1755.6
42.5°	1479.8	1539.6	1617.7	1677.5	1700.4
45°	1401.7	1466.1	1548.8	1617.7	1636.1
47.5°	1319.0	1392.5	1484.4	1548.8	1571.8
50°	1236.3	1314.4	1410.9	1484.4	1502.8
52.5°	1153.5	1236.3	1337.4	1410.9	1433.9
55°	1066.2	1153.5	1259.2	1337.4	1365.0
57.5°	983.5	1070.8	1181.1	1263.8	1291.4
60°	891.6	992.7	1103.0	1185.7	1217.9
62.5°	813.5	905.4	1024.9	1107.6	1135.2
65°	721.5	818.1	942.1	1029.5	1057.0
67.5°	634.2	735.3	859.4	951.3	978.9
70°	546.9	648.0	781.3	868.6	900.8
72.5°	459.6	565.3	694.0	790.5	822.6
75°	376.9	478.0	615.8	712.3	744.5
77.5°	289.5	399.8	537.7	634.2	671.0
80°	211.4	326.3	464.2	560.7	597.5
82.5°	142.5	257.4	395.2	491.7	528.5
85°	82.7	197.6	335.5	427.4	459.6
87.5°	41.4	151.7	280.3	372.3	404.4
90°	0.0	110.3	234.4	321.7	353.9
92.5°	0.0	105.7	229.8	312.5	344.7
95°	0.0	105.7	225.2	307.9	340.1
97.5°	0.0	101.1	220.6	307.9	335.5
100°	0.0	96.5	220.6	303.3	330.9
102.5°	0.0	91.9	216.0	298.7	326.3
105°	0.0	87.3	211.4	289.5	317.1
107.5°	4.6	87.3	202.2	284.9	312.5
110°	4.6	82.7	193.0	280.3	307.9



TEST NUMBER: P567190

CATALOG NUMBER: 8SNX-102SL-SLW-UNV-L930-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	4.6	78.1	183.8	271.2	298.7
115°	4.6	78.1	179.2	257.4	289.5
117.5°	4.6	73.5	170.0	248.2	280.3
120°	4.6	73.5	165.4	239.0	266.6
122.5°	4.6	68.9	156.3	229.8	257.4
125°	4.6	64.3	151.7	220.6	248.2
127.5°	4.6	59.7	147.1	211.4	239.0
130°	4.6	55.1	137.9	202.2	225.2
132.5°	4.6	55.1	133.3	188.4	216.0
135°	4.6	50.6	124.1	179.2	202.2
137.5°	4.6	46.0	114.9	170.0	193.0
140°	4.6	41.4	105.7	160.9	179.2
142.5°	4.6	41.4	96.5	147.1	165.4
145°	4.6	36.8	87.3	137.9	151.7
147.5°	4.6	32.2	78.1	124.1	137.9
150°	4.6	32.2	68.9	110.3	124.1
152.5°	4.6	27.6	59.7	101.1	114.9
155°	4.6	23.0	55.1	87.3	101.1
157.5°	4.6	23.0	46.0	73.5	87.3
160°	4.6	18.4	41.4	59.7	73.5
162.5°	4.6	18.4	36.8	50.6	64.3
165°	4.6	13.8	27.6	41.4	50.6
167.5°	4.6	13.8	23.0	32.2	41.4
170°	4.6	9.2	18.4	23.0	32.2
172.5°	4.6	9.2	13.8	13.8	13.8
175°	4.6	4.6	9.2	9.2	4.6
177.5°	4.6	4.6	4.6	4.6	4.6
180°	4.6	4.6	4.6	4.6	4.6

(END OF REPORT)