

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: P568070

Luminaire Tested: **8SNX-90SL-FDL-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568070  
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-90SL-FDL-UNV-L930-CD  
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

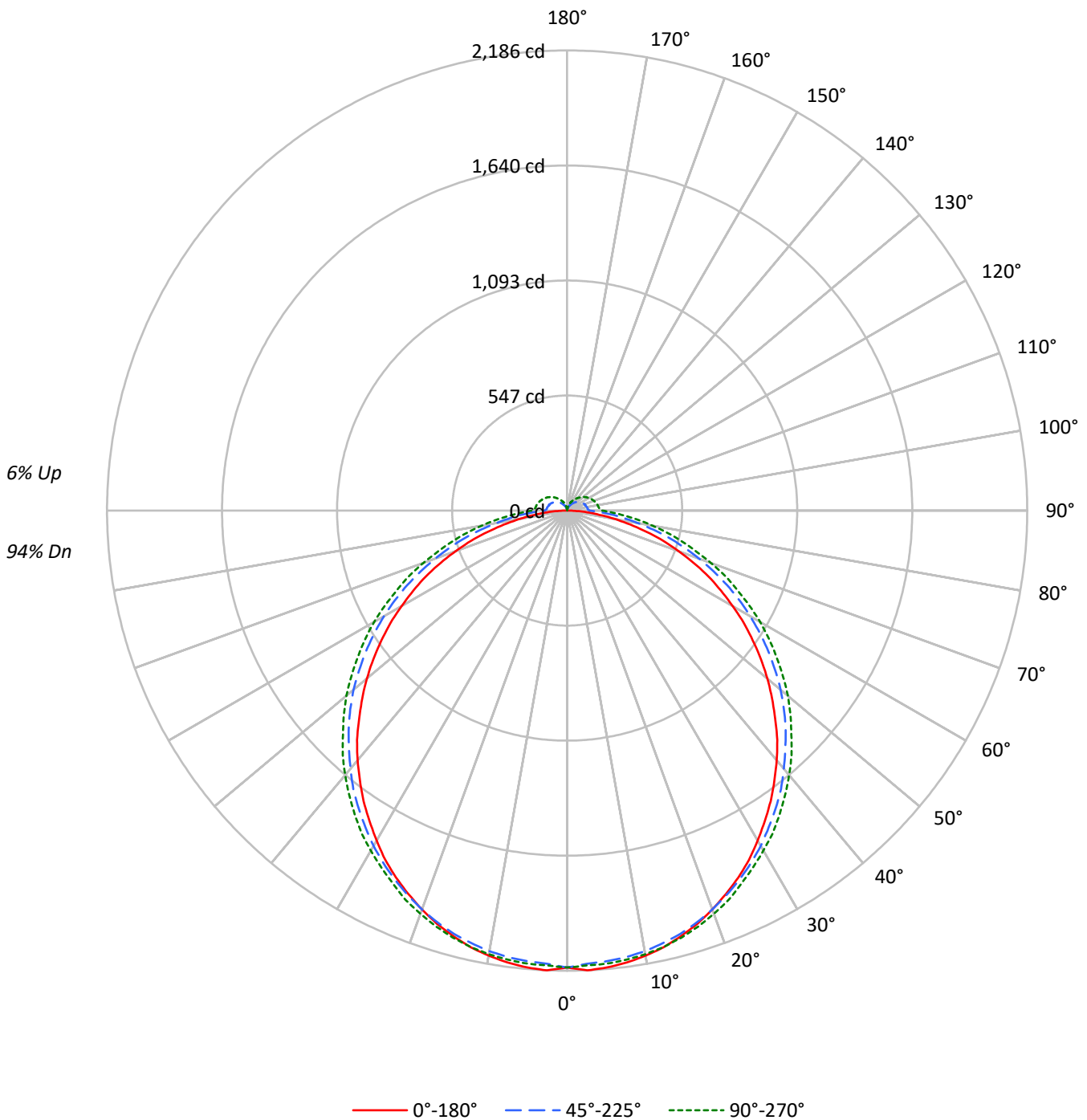
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6897.0 lumens  
Efficiency: N/A  
Efficacy: 115.7 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): 59.6  
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	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°	11681	11681	11681
5°	11766	11491	11505
10°	11724	11371	11360
15°	11641	11230	11198
20°	11527	11060	11007
25°	11395	10872	10781
30°	11215	10682	10573
35°	11034	10457	10355
40°	10833	10208	10110
45°	10579	9963	9824
50°	10336	9683	9564
55°	10033	9335	9201
60°	9694	8938	8845
65°	9337	8464	8353
70°	8716	7867	7844
75°	7971	7164	7234
80°	6876	6229	6558
85°	5554	5430	5763



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	205.8	3.0
10°-20°	590.6	8.6
20°-30°	895.1	13.0
30°-40°	1080.5	15.7
40°-50°	1128.3	16.4
50°-60°	1036.6	15.0
60°-70°	819.7	11.9
70°-80°	518.8	7.5
80°-90°	223.0	3.2
90°-100°	98.1	1.4
100°-110°	87.8	1.3
110°-120°	74.2	1.1
120°-130°	57.8	0.8
130°-140°	40.0	0.6
140°-150°	24.0	0.3
150°-160°	11.7	0.2
160°-170°	4.1	0.1
170°-180°	0.6	0.0
0°-30°	1691.5	24.5
0°-40°	2772.1	40.2
0°-60°	4937.0	71.6
0°-90°	6498.5	94.2
90°-120°	260.2	3.8
90°-150°	382.1	5.5
90°-180°	398.0	5.8
0°-180°	6897.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2170	2170	2170	2170	2170	
5°	2179	2173	2150	2168	2161	207
15°	2092	2092	2081	2103	2100	590
25°	1924	1932	1935	1960	1957	886
35°	1686	1705	1727	1754	1760	1054
45°	1397	1431	1468	1496	1506	1079
55°	1077	1121	1168	1206	1214	964
65°	741	783	838	877	890	730
75°	391	437	501	544	564	414
85°	95	147	210	255	271	105
90°	6	52	108	150	166	8
95°	1	45	98	137	151	1
105°	1	42	92	128	142	1
115°	1	35	83	116	128	1
125°	2	32	70	100	111	2
135°	2	24	56	79	89	2
145°	2	18	39	60	66	2
155°	2	12	26	38	45	1
165°	4	8	13	18	26	1
175°	4	5	6	6	4	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2170.4	2170.4	2170.4	2170.4	2170.4
2.5°	2186.2	2178.9	2154.5	2171.6	2163.0
5°	2178.9	2172.8	2149.6	2167.9	2160.6
7.5°	2165.5	2160.6	2139.8	2159.4	2152.0
10°	2147.2	2143.5	2125.2	2144.7	2139.8
12.5°	2123.9	2122.7	2104.4	2126.4	2122.7
15°	2092.2	2092.2	2081.2	2103.2	2099.5
17.5°	2058.0	2059.2	2050.7	2073.9	2071.4
20°	2016.5	2022.6	2016.5	2040.9	2038.4
22.5°	1971.3	1979.8	1977.4	2001.8	2003.0
25°	1923.6	1932.2	1934.6	1960.3	1956.6
27.5°	1871.1	1884.6	1889.4	1912.6	1911.4
30°	1810.1	1828.4	1839.4	1858.9	1865.0
32.5°	1747.8	1769.8	1783.2	1810.1	1817.4
35°	1685.5	1705.0	1727.0	1753.9	1760.0
37.5°	1617.1	1639.1	1668.4	1694.0	1701.4
40°	1548.7	1573.1	1601.2	1629.3	1640.3
42.5°	1477.8	1503.5	1534.0	1567.0	1578.0
45°	1397.2	1431.4	1468.1	1496.2	1505.9
47.5°	1320.3	1358.2	1397.2	1427.8	1438.8
50°	1242.1	1282.4	1324.0	1352.0	1369.1
52.5°	1160.3	1204.3	1245.8	1281.2	1292.2
55°	1077.2	1121.2	1167.6	1205.5	1214.0
57.5°	996.6	1039.4	1085.8	1121.2	1138.3
60°	908.7	955.1	1005.2	1040.6	1058.9
62.5°	823.2	868.4	922.1	960.0	974.6
65°	741.4	782.9	837.9	876.9	890.4
67.5°	651.0	698.6	751.1	796.3	813.4
70°	561.8	607.0	666.9	709.6	726.7
72.5°	478.8	522.7	582.6	625.3	641.2
75°	390.8	437.2	500.8	543.5	564.3
77.5°	306.6	357.9	418.9	465.3	488.5
80°	228.4	273.6	339.5	390.8	411.6
82.5°	155.1	204.0	272.4	320.0	343.2
85°	95.3	146.6	210.1	255.3	271.1
87.5°	45.2	94.0	152.7	196.6	216.2
90°	6.1	52.5	107.5	150.2	166.1
92.5°	1.2	45.2	98.9	139.2	153.9
95°	1.2	45.2	97.7	136.8	151.4
97.5°	1.2	44.0	96.5	135.6	149.0
100°	1.2	42.7	95.3	133.1	147.8
102.5°	1.2	42.7	92.8	130.7	144.1
105°	1.2	41.5	91.6	128.2	141.7
107.5°	1.2	40.3	89.2	125.8	139.2
110°	1.2	37.9	87.9	122.1	135.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	36.6	85.5	119.7	131.9
115°	1.2	35.4	83.1	116.0	128.2
117.5°	1.2	34.2	79.4	112.4	124.6
120°	2.4	34.2	76.9	108.7	119.7
122.5°	2.4	33.0	73.3	103.8	114.8
125°	2.4	31.8	69.6	100.2	111.1
127.5°	2.4	30.5	66.0	95.3	105.0
130°	2.4	28.1	63.5	90.4	100.2
132.5°	2.4	26.9	59.8	84.3	94.0
135°	2.4	24.4	56.2	79.4	89.2
137.5°	2.4	23.2	52.5	74.5	83.1
140°	2.4	22.0	47.6	69.6	78.2
142.5°	2.4	19.5	44.0	64.7	72.1
145°	2.4	18.3	39.1	59.8	66.0
147.5°	2.4	15.9	35.4	55.0	61.1
150°	2.4	14.7	31.8	50.1	56.2
152.5°	2.4	13.4	28.1	44.0	50.1
155°	2.4	12.2	25.6	37.9	45.2
157.5°	2.4	11.0	22.0	33.0	40.3
160°	3.7	9.8	19.5	28.1	34.2
162.5°	3.7	8.5	15.9	23.2	30.5
165°	3.7	8.5	13.4	18.3	25.6
167.5°	3.7	7.3	11.0	14.7	20.8
170°	3.7	6.1	9.8	11.0	15.9
172.5°	3.7	4.9	7.3	7.3	8.5
175°	3.7	4.9	6.1	6.1	3.7
177.5°	3.7	3.7	3.7	3.7	2.4
180°	3.7	3.7	3.7	3.7	3.7

(END OF REPORT)