

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: P568105

Luminaire Tested: **8SNX-90SL-SLW-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568105  
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-90SL-SLW-UNV-L950-CD  
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

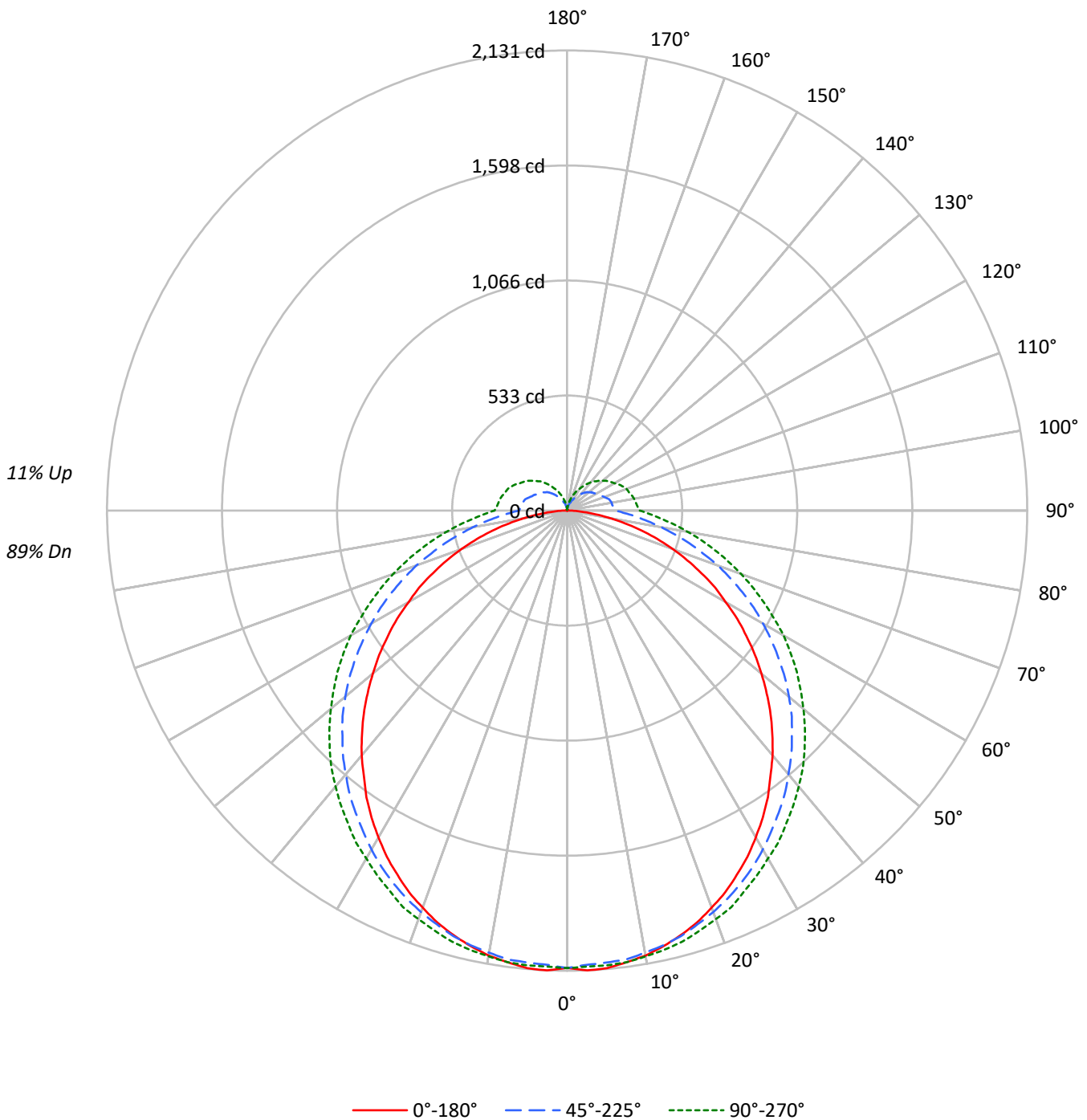
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7541.0 lumens  
Efficiency: N/A  
Efficacy: 126.5 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): 59.6  
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

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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	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°	11401	11401	11401
5°	11481	11114	11098
10°	11412	10897	10823
15°	11309	10673	10570
20°	11165	10414	10289
25°	10996	10161	9994
30°	10792	9883	9703
35°	10569	9594	9430
40°	10312	9309	9168
45°	10035	9019	8885
50°	9717	8713	8568
55°	9369	8344	8257
60°	8959	7949	7910
65°	8542	7506	7472
70°	7951	7017	7044
75°	7169	6394	6572
80°	5881	5761	6104
85°	4339	5226	5625



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	201.2	2.7
10°-20°	578.3	7.7
20°-30°	879.3	11.7
30°-40°	1067.4	14.2
40°-50°	1128.0	15.0
50°-60°	1055.5	14.0
60°-70°	866.0	11.5
70°-80°	595.7	7.9
80°-90°	326.2	4.3
90°-100°	210.1	2.8
100°-110°	188.5	2.5
110°-120°	156.0	2.1
120°-130°	120.1	1.6
130°-140°	84.4	1.1
140°-150°	50.9	0.7
150°-160°	24.4	0.3
160°-170°	8.0	0.1
170°-180°	1.0	0.0
0°-30°	1658.9	22.0
0°-40°	2726.3	36.2
0°-60°	4909.8	65.1
0°-90°	6697.7	88.8
90°-120°	554.6	7.4
90°-150°	810.0	10.7
90°-180°	843.0	11.2
0°-180°	7541.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2118	2118	2118	2118	2118	
5°	2127	2123	2101	2118	2114	202
15°	2035	2044	2040	2066	2066	574
25°	1861	1882	1904	1944	1944	857
35°	1620	1660	1708	1756	1769	1012
45°	1332	1393	1472	1537	1555	1027
55°	1013	1096	1197	1271	1297	907
65°	686	777	895	978	1004	679
75°	358	454	585	677	708	377
85°	79	188	319	406	437	91
90°	0	105	223	306	336	5
95°	0	100	214	293	323	0
105°	0	83	201	275	301	3
115°	4	74	170	245	275	4
125°	4	61	144	210	236	4
135°	4	48	118	170	192	3
145°	4	35	83	131	144	3
155°	4	22	52	83	96	2
165°	4	13	26	39	48	1
175°	4	4	9	9	4	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2118.3	2118.3	2118.3	2118.3	2118.3
2.5°	2131.4	2127.0	2105.2	2122.7	2113.9
5°	2127.0	2122.7	2100.8	2118.3	2113.9
7.5°	2109.5	2109.5	2096.4	2113.9	2109.5
10°	2092.1	2092.1	2079.0	2100.8	2096.4
12.5°	2065.9	2070.2	2061.5	2087.7	2083.3
15°	2035.3	2044.0	2039.7	2065.9	2065.9
17.5°	2000.4	2009.1	2009.1	2039.7	2039.7
20°	1956.7	1969.8	1978.5	2013.5	2013.5
22.5°	1913.0	1930.5	1943.6	1974.2	1987.3
25°	1860.6	1882.4	1904.3	1943.6	1943.6
27.5°	1808.2	1834.4	1860.6	1899.9	1904.3
30°	1747.0	1777.6	1812.6	1851.9	1860.6
32.5°	1685.9	1725.2	1760.1	1808.2	1821.3
35°	1620.4	1659.7	1707.7	1755.8	1768.9
37.5°	1546.1	1594.2	1655.3	1707.7	1720.8
40°	1480.6	1533.0	1594.2	1655.3	1668.4
42.5°	1406.4	1463.1	1537.4	1594.2	1616.0
45°	1332.1	1393.3	1471.9	1537.4	1554.9
47.5°	1253.5	1323.4	1410.7	1471.9	1493.7
50°	1174.9	1249.1	1340.9	1410.7	1428.2
52.5°	1096.3	1174.9	1271.0	1340.9	1362.7
55°	1013.3	1096.3	1196.7	1271.0	1297.2
57.5°	934.7	1017.7	1122.5	1201.1	1227.3
60°	847.3	943.4	1048.2	1126.8	1157.4
62.5°	773.1	860.4	974.0	1052.6	1078.8
65°	685.7	777.4	895.4	978.3	1004.5
67.5°	602.7	698.8	816.7	904.1	930.3
70°	519.7	615.8	742.5	825.5	856.0
72.5°	436.8	537.2	659.5	751.2	781.8
75°	358.1	454.2	585.3	677.0	707.6
77.5°	275.2	380.0	511.0	602.7	637.7
80°	200.9	310.1	441.1	532.8	567.8
82.5°	135.4	244.6	375.6	467.3	502.3
85°	78.6	187.8	318.8	406.2	436.8
87.5°	39.3	144.1	266.4	353.8	384.3
90°	0.0	104.8	222.7	305.7	336.3
92.5°	0.0	100.5	218.4	297.0	327.6
95°	0.0	100.5	214.0	292.6	323.2
97.5°	0.0	96.1	209.6	292.6	318.8
100°	0.0	91.7	209.6	288.3	314.5
102.5°	0.0	87.4	205.3	283.9	310.1
105°	0.0	83.0	200.9	275.2	301.4
107.5°	4.4	83.0	192.2	270.8	297.0
110°	4.4	78.6	183.4	266.4	292.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	4.4	74.2	174.7	257.7	283.9
115°	4.4	74.2	170.3	244.6	275.2
117.5°	4.4	69.9	161.6	235.9	266.4
120°	4.4	69.9	157.2	227.1	253.3
122.5°	4.4	65.5	148.5	218.4	244.6
125°	4.4	61.1	144.1	209.6	235.9
127.5°	4.4	56.8	139.8	200.9	227.1
130°	4.4	52.4	131.0	192.2	214.0
132.5°	4.4	52.4	126.7	179.1	205.3
135°	4.4	48.0	117.9	170.3	192.2
137.5°	4.4	43.7	109.2	161.6	183.4
140°	4.4	39.3	100.5	152.9	170.3
142.5°	4.4	39.3	91.7	139.8	157.2
145°	4.4	34.9	83.0	131.0	144.1
147.5°	4.4	30.6	74.2	117.9	131.0
150°	4.4	30.6	65.5	104.8	117.9
152.5°	4.4	26.2	56.8	96.1	109.2
155°	4.4	21.8	52.4	83.0	96.1
157.5°	4.4	21.8	43.7	69.9	83.0
160°	4.4	17.5	39.3	56.8	69.9
162.5°	4.4	17.5	34.9	48.0	61.1
165°	4.4	13.1	26.2	39.3	48.0
167.5°	4.4	13.1	21.8	30.6	39.3
170°	4.4	8.7	17.5	21.8	30.6
172.5°	4.4	8.7	13.1	13.1	13.1
175°	4.4	4.4	8.7	8.7	4.4
177.5°	4.4	4.4	4.4	4.4	4.4
180°	4.4	4.4	4.4	4.4	4.4

(END OF REPORT)