

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: P568152

Luminaire Tested: **8SNX-96SL-SLW-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568152  
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-96SL-SLW-UNV-L940-CD  
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

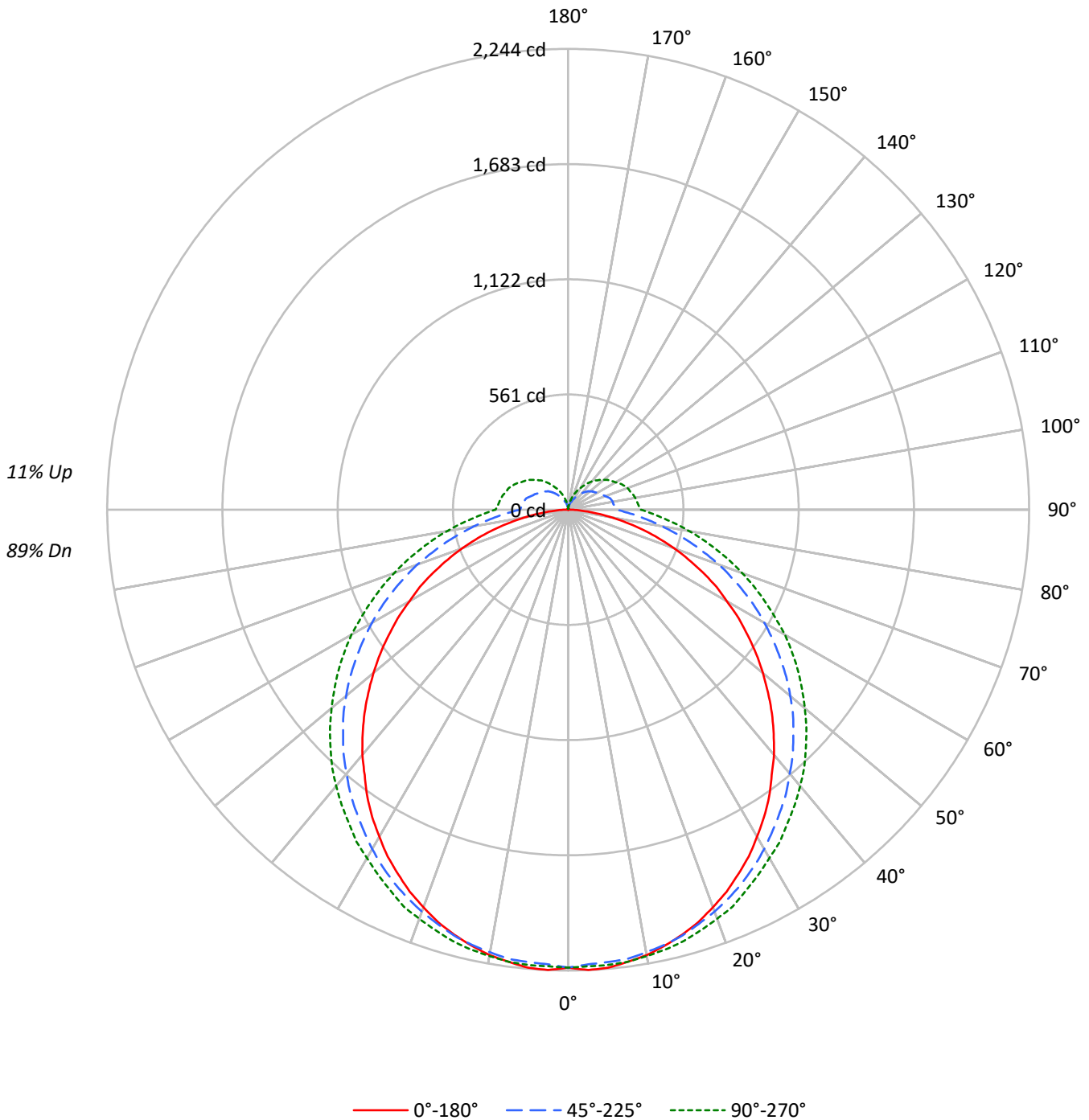
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7938.0 lumens  
Efficiency: N/A  
Efficacy: 123.6 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): 64.2  
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	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	76	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°	12001	12001	12001
5°	12085	11699	11682
10°	12013	11470	11393
15°	11904	11234	11127
20°	11752	10962	10830
25°	11574	10696	10521
30°	11361	10403	10213
35°	11126	10099	9926
40°	10856	9799	9651
45°	10563	9494	9352
50°	10228	9171	9019
55°	9862	8783	8692
60°	9431	8368	8326
65°	8992	7901	7866
70°	8370	7386	7415
75°	7547	6730	6917
80°	6191	6065	6426
85°	4571	5501	5922



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	211.8	2.7
10°-20°	608.8	7.7
20°-30°	925.6	11.7
30°-40°	1123.6	14.2
40°-50°	1187.3	15.0
50°-60°	1111.1	14.0
60°-70°	911.6	11.5
70°-80°	627.0	7.9
80°-90°	343.4	4.3
90°-100°	221.1	2.8
100°-110°	198.4	2.5
110°-120°	164.2	2.1
120°-130°	126.5	1.6
130°-140°	88.9	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°	1746.2	22.0
0°-40°	2869.8	36.2
0°-60°	5168.2	65.1
0°-90°	7050.3	88.8
90°-120°	583.8	7.4
90°-150°	852.7	10.7
90°-180°	888.0	11.2
0°-180°	7938.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2230	2230	2230	2230	2230	
5°	2239	2234	2211	2230	2225	212
15°	2142	2152	2147	2175	2175	604
25°	1958	1982	2004	2046	2046	902
35°	1706	1747	1798	1848	1862	1065
45°	1402	1467	1549	1618	1637	1081
55°	1067	1154	1260	1338	1366	955
65°	722	818	942	1030	1057	715
75°	377	478	616	713	745	397
85°	83	198	336	428	460	96
90°	0	110	234	322	354	6
95°	0	106	225	308	340	0
105°	0	87	212	290	317	3
115°	5	78	179	258	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	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2229.8	2229.8	2229.8	2229.8	2229.8
2.5°	2243.6	2239.0	2216.0	2234.4	2225.2
5°	2239.0	2234.4	2211.4	2229.8	2225.2
7.5°	2220.6	2220.6	2206.8	2225.2	2220.6
10°	2202.2	2202.2	2188.4	2211.4	2206.8
12.5°	2174.6	2179.2	2170.0	2197.6	2193.0
15°	2142.4	2151.6	2147.0	2174.6	2174.6
17.5°	2105.7	2114.9	2114.9	2147.0	2147.0
20°	2059.7	2073.5	2082.7	2119.5	2119.5
22.5°	2013.7	2032.1	2045.9	2078.1	2091.9
25°	1958.5	1981.5	2004.5	2045.9	2045.9
27.5°	1903.4	1931.0	1958.5	1999.9	2004.5
30°	1839.0	1871.2	1908.0	1949.4	1958.5
32.5°	1774.6	1816.0	1852.8	1903.4	1917.2
35°	1705.7	1747.1	1797.6	1848.2	1862.0
37.5°	1627.5	1678.1	1742.5	1797.6	1811.4
40°	1558.6	1613.7	1678.1	1742.5	1756.3
42.5°	1480.4	1540.2	1618.3	1678.1	1701.1
45°	1402.2	1466.6	1549.4	1618.3	1636.7
47.5°	1319.5	1393.1	1485.0	1549.4	1572.4
50°	1236.7	1314.9	1411.4	1485.0	1503.4
52.5°	1154.0	1236.7	1337.9	1411.4	1434.4
55°	1066.6	1154.0	1259.7	1337.9	1365.5
57.5°	983.9	1071.2	1181.6	1264.3	1291.9
60°	891.9	993.1	1103.4	1186.2	1218.3
62.5°	813.8	905.7	1025.2	1108.0	1135.6
65°	721.8	818.4	942.5	1029.8	1057.4
67.5°	634.5	735.6	859.7	951.7	979.3
70°	547.1	648.3	781.6	868.9	901.1
72.5°	459.8	565.5	694.2	790.8	823.0
75°	377.0	478.1	616.1	712.6	744.8
77.5°	289.6	400.0	537.9	634.5	671.2
80°	211.5	326.4	464.4	560.9	597.7
82.5°	142.5	257.5	395.4	491.9	528.7
85°	82.8	197.7	335.6	427.6	459.8
87.5°	41.4	151.7	280.4	372.4	404.6
90°	0.0	110.3	234.5	321.8	354.0
92.5°	0.0	105.7	229.9	312.6	344.8
95°	0.0	105.7	225.3	308.0	340.2
97.5°	0.0	101.1	220.7	308.0	335.6
100°	0.0	96.5	220.7	303.4	331.0
102.5°	0.0	92.0	216.1	298.8	326.4
105°	0.0	87.4	211.5	289.6	317.2
107.5°	4.6	87.4	202.3	285.0	312.6
110°	4.6	82.8	193.1	280.4	308.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	4.6	78.2	183.9	271.3	298.8
115°	4.6	78.2	179.3	257.5	289.6
117.5°	4.6	73.6	170.1	248.3	280.4
120°	4.6	73.6	165.5	239.1	266.7
122.5°	4.6	69.0	156.3	229.9	257.5
125°	4.6	64.4	151.7	220.7	248.3
127.5°	4.6	59.8	147.1	211.5	239.1
130°	4.6	55.2	137.9	202.3	225.3
132.5°	4.6	55.2	133.3	188.5	216.1
135°	4.6	50.6	124.1	179.3	202.3
137.5°	4.6	46.0	114.9	170.1	193.1
140°	4.6	41.4	105.7	160.9	179.3
142.5°	4.6	41.4	96.5	147.1	165.5
145°	4.6	36.8	87.4	137.9	151.7
147.5°	4.6	32.2	78.2	124.1	137.9
150°	4.6	32.2	69.0	110.3	124.1
152.5°	4.6	27.6	59.8	101.1	114.9
155°	4.6	23.0	55.2	87.4	101.1
157.5°	4.6	23.0	46.0	73.6	87.4
160°	4.6	18.4	41.4	59.8	73.6
162.5°	4.6	18.4	36.8	50.6	64.4
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)