

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: P568097

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568097  
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-LW-UNV-L950-CD  
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

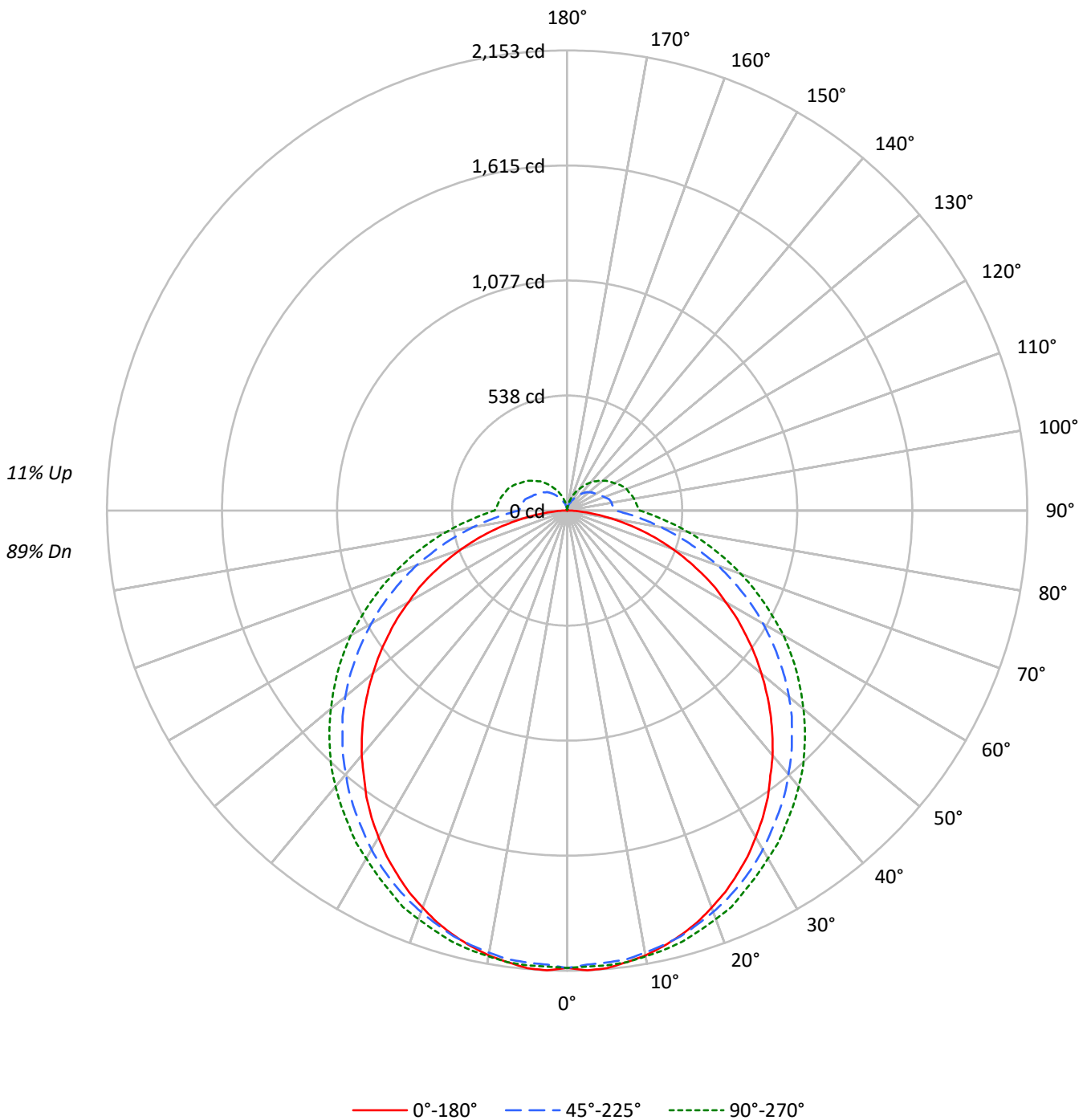
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7618.0 lumens  
Efficiency: N/A  
Efficacy: 127.8 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: 0.17')  
CIE Type: Semi-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	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°	11517	11517	11517
5°	11587	10998	10901
10°	11507	10571	10357
15°	11393	10158	9866
20°	11236	9726	9375
25°	11054	9312	8894
30°	10838	8886	8434
35°	10600	8456	8004
40°	10328	8037	7594
45°	10033	7615	7173
50°	9697	7181	6732
55°	9327	6695	6299
60°	8893	6188	5841
65°	8444	5639	5319
70°	7816	5054	4806
75°	6981	4368	4261
80°	5627	3676	3718
85°	3960	3034	3161



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	203.3	2.7
10°-20°	584.2	7.7
20°-30°	888.3	11.7
30°-40°	1078.3	14.2
40°-50°	1139.5	15.0
50°-60°	1066.3	14.0
60°-70°	874.9	11.5
70°-80°	601.8	7.9
80°-90°	329.5	4.3
90°-100°	212.2	2.8
100°-110°	190.4	2.5
110°-120°	157.6	2.1
120°-130°	121.4	1.6
130°-140°	85.3	1.1
140°-150°	51.4	0.7
150°-160°	24.6	0.3
160°-170°	8.1	0.1
170°-180°	1.0	0.0
0°-30°	1675.8	22.0
0°-40°	2754.1	36.2
0°-60°	4959.9	65.1
0°-90°	6766.1	88.8
90°-120°	560.2	7.4
90°-150°	818.3	10.7
90°-180°	852.0	11.2
0°-180°	7618.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2140	2140	2140	2140	2140	
5°	2149	2144	2122	2140	2136	204
15°	2056	2065	2060	2087	2087	580
25°	1880	1902	1924	1963	1963	866
35°	1637	1677	1725	1774	1787	1023
45°	1346	1408	1487	1553	1571	1037
55°	1024	1108	1209	1284	1310	916
65°	693	785	904	988	1015	686
75°	362	459	591	684	715	381
85°	79	190	322	410	441	92
90°	0	106	225	309	340	5
95°	0	102	216	296	326	0
105°	0	84	203	278	304	3
115°	4	75	172	247	278	4
125°	4	62	146	212	238	4
135°	4	48	119	172	194	3
145°	4	35	84	132	146	3
155°	4	22	53	84	97	2
165°	4	13	26	40	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°	2139.9	2139.9	2139.9	2139.9	2139.9
2.5°	2153.2	2148.7	2126.7	2144.3	2135.5
5°	2148.7	2144.3	2122.3	2139.9	2135.5
7.5°	2131.1	2131.1	2117.9	2135.5	2131.1
10°	2113.4	2113.4	2100.2	2122.3	2117.9
12.5°	2087.0	2091.4	2082.6	2109.0	2104.6
15°	2056.1	2064.9	2060.5	2087.0	2087.0
17.5°	2020.8	2029.6	2029.6	2060.5	2060.5
20°	1976.7	1989.9	1998.7	2034.0	2034.0
22.5°	1932.5	1950.2	1963.4	1994.3	2007.5
25°	1879.6	1901.7	1923.7	1963.4	1963.4
27.5°	1826.6	1853.1	1879.6	1919.3	1923.7
30°	1764.9	1795.8	1831.1	1870.8	1879.6
32.5°	1703.1	1742.8	1778.1	1826.6	1839.9
35°	1636.9	1676.6	1725.2	1773.7	1786.9
37.5°	1561.9	1610.5	1672.2	1725.2	1738.4
40°	1495.7	1548.7	1610.5	1672.2	1685.5
42.5°	1420.7	1478.1	1553.1	1610.5	1632.5
45°	1345.7	1407.5	1486.9	1553.1	1570.7
47.5°	1266.3	1336.9	1425.1	1486.9	1509.0
50°	1186.9	1261.9	1354.5	1425.1	1442.8
52.5°	1107.5	1186.9	1283.9	1354.5	1376.6
55°	1023.6	1107.5	1208.9	1283.9	1310.4
57.5°	944.2	1028.0	1133.9	1213.4	1239.8
60°	856.0	953.0	1058.9	1138.3	1169.2
62.5°	781.0	869.2	983.9	1063.3	1089.8
65°	692.7	785.4	904.5	988.3	1014.8
67.5°	608.9	706.0	825.1	913.3	939.8
70°	525.1	622.1	750.1	833.9	864.8
72.5°	441.2	542.7	666.2	758.9	789.8
75°	361.8	458.9	591.2	683.9	714.8
77.5°	278.0	383.9	516.2	608.9	644.2
80°	203.0	313.3	445.6	538.3	573.6
82.5°	136.8	247.1	379.4	472.1	507.4
85°	79.4	189.7	322.1	410.3	441.2
87.5°	39.7	145.6	269.1	357.4	388.3
90°	0.0	105.9	225.0	308.9	339.7
92.5°	0.0	101.5	220.6	300.0	330.9
95°	0.0	101.5	216.2	295.6	326.5
97.5°	0.0	97.1	211.8	295.6	322.1
100°	0.0	92.7	211.8	291.2	317.7
102.5°	0.0	88.2	207.4	286.8	313.3
105°	0.0	83.8	203.0	278.0	304.4
107.5°	4.4	83.8	194.1	273.6	300.0
110°	4.4	79.4	185.3	269.1	295.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	4.4	75.0	176.5	260.3	286.8
115°	4.4	75.0	172.1	247.1	278.0
117.5°	4.4	70.6	163.3	238.3	269.1
120°	4.4	70.6	158.8	229.4	255.9
122.5°	4.4	66.2	150.0	220.6	247.1
125°	4.4	61.8	145.6	211.8	238.3
127.5°	4.4	57.4	141.2	203.0	229.4
130°	4.4	52.9	132.4	194.1	216.2
132.5°	4.4	52.9	128.0	180.9	207.4
135°	4.4	48.5	119.1	172.1	194.1
137.5°	4.4	44.1	110.3	163.3	185.3
140°	4.4	39.7	101.5	154.4	172.1
142.5°	4.4	39.7	92.7	141.2	158.8
145°	4.4	35.3	83.8	132.4	145.6
147.5°	4.4	30.9	75.0	119.1	132.4
150°	4.4	30.9	66.2	105.9	119.1
152.5°	4.4	26.5	57.4	97.1	110.3
155°	4.4	22.1	52.9	83.8	97.1
157.5°	4.4	22.1	44.1	70.6	83.8
160°	4.4	17.6	39.7	57.4	70.6
162.5°	4.4	17.6	35.3	48.5	61.8
165°	4.4	13.2	26.5	39.7	48.5
167.5°	4.4	13.2	22.1	30.9	39.7
170°	4.4	8.8	17.6	22.1	30.9
172.5°	4.4	8.8	13.2	13.2	13.2
175°	4.4	4.4	8.8	8.8	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)