

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: P568088

Luminaire Tested: **8SNX-90SL-LN-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568088  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-90SL-LN-UNV-L940-CD  
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

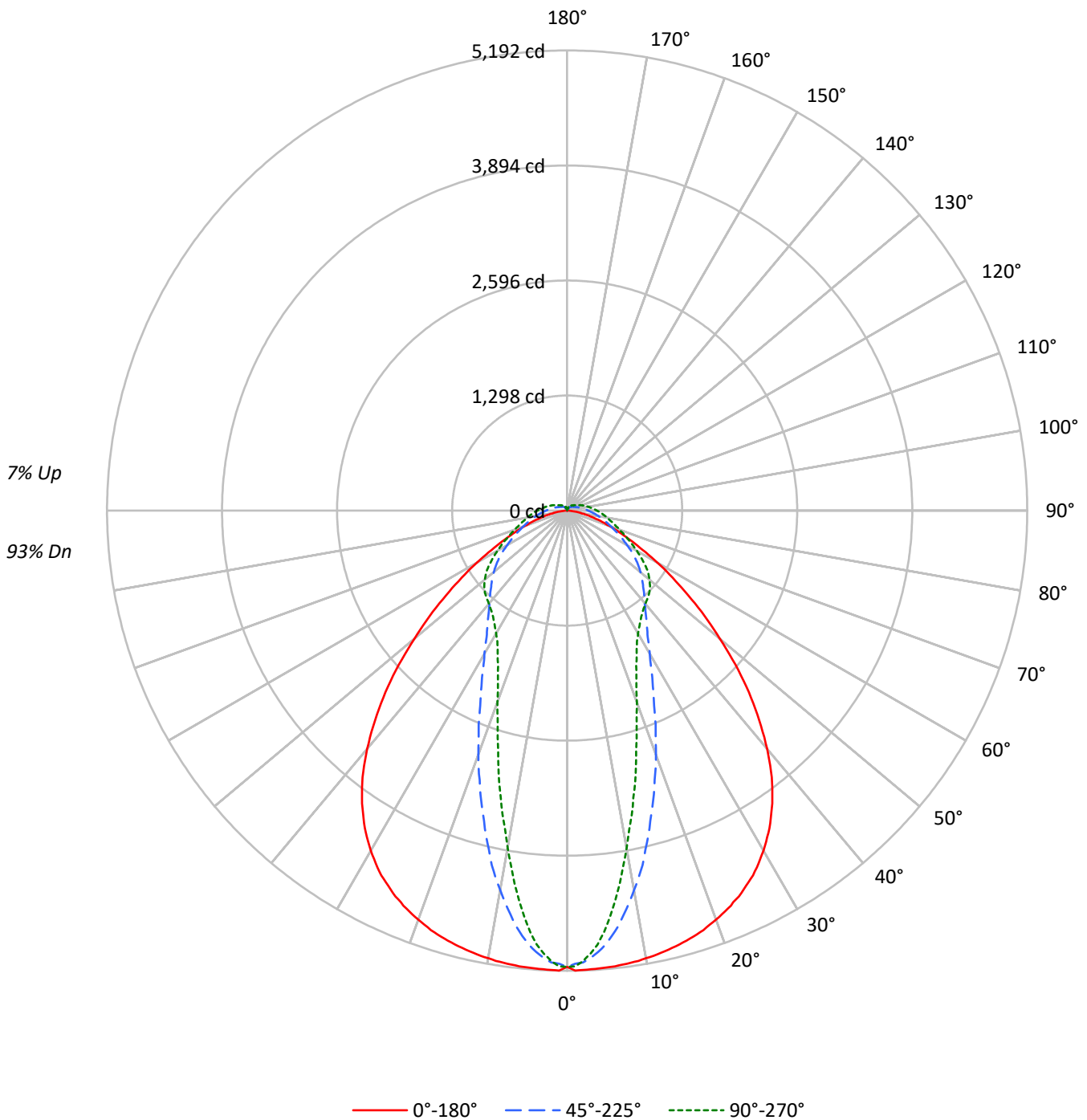
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 8206.9 lumens  
Efficiency: N/A  
Efficacy: 137.7 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')  
CIE Type: 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

TEST NUMBER: P568088  
CATALOG NUMBER: 8SNX-90SL-LN-UNV-L940-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P568088

CATALOG NUMBER: 8SNX-90SL-LN-UNV-L940-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	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	68	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	27709	27709	27709
5°	27903	25499	24372
10°	27916	21888	18909
15°	27955	17874	14172
20°	27921	14254	10606
25°	27725	11181	8417
30°	27204	9058	7180
35°	26126	7674	6531
40°	24235	6783	6182
45°	21615	6212	5991
50°	18378	5723	5659
55°	15168	5193	5169
60°	12199	4574	4533
65°	9542	4023	3945
70°	7490	3564	3490
75°	5892	3210	3179
80°	4291	2945	2955
85°	2574	2755	2835



TEST NUMBER: P568088

CATALOG NUMBER: 8SNX-90SL-LN-UNV-L940-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	455.9	5.6
10°-20°	1068.7	13.0
20°-30°	1268.6	15.5
30°-40°	1276.3	15.6
40°-50°	1186.4	14.5
50°-60°	976.9	11.9
60°-70°	688.4	8.4
70°-80°	449.7	5.5
80°-90°	287.1	3.5
90°-100°	188.3	2.3
100°-110°	127.8	1.6
110°-120°	87.6	1.1
120°-130°	60.6	0.7
130°-140°	40.8	0.5
140°-150°	25.1	0.3
150°-160°	13.0	0.2
160°-170°	4.7	0.1
170°-180°	0.8	0.0
0°-30°	2793.2	34.0
0°-40°	4069.5	49.6
0°-60°	6232.9	75.9
0°-90°	7658.1	93.3
90°-120°	403.7	4.9
90°-150°	530.3	6.5
90°-180°	549.0	6.7
0°-180°	8206.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5148	5148	5148	5148	5148	
5°	5174	5106	4920	4826	4774	493
15°	5045	4508	3626	3170	2998	1425
25°	4714	3484	2310	1940	1858	2169
35°	4034	2357	1566	1467	1458	2509
45°	2899	1553	1213	1277	1312	2226
55°	1665	1019	938	1041	1075	1503
65°	783	615	645	727	753	794
75°	305	318	434	512	533	330
85°	52	146	292	378	396	65
90°	0	99	237	323	336	3
95°	0	73	198	271	284	0
105°	0	52	133	189	206	0
115°	4	43	95	138	146	4
125°	4	34	77	99	108	4
135°	4	30	60	77	82	3
145°	4	22	43	60	64	3
155°	4	17	30	43	47	2
165°	4	9	17	22	26	1
175°	9	9	9	9	4	1
180°	4	4	4	4	4	



TEST NUMBER: P568088

CATALOG NUMBER: 8SNX-90SL-LN-UNV-L940-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5148.5	5148.5	5148.5	5148.5	5148.5
1°	5191.5	5170.0	5114.1	5152.8	5144.2
2°	5187.2	5165.7	5101.2	5118.4	5088.3
3°	5182.9	5152.8	5053.9	5049.6	5006.6
4°	5178.6	5131.3	4993.7	4942.0	4907.6
5°	5174.3	5105.5	4920.5	4825.9	4774.3
6°	5170.0	5075.4	4825.9	4684.0	4610.9
7°	5161.4	5028.1	4727.0	4533.4	4438.8
8°	5152.8	4985.1	4602.2	4370.0	4253.9
9°	5144.2	4929.1	4477.5	4193.6	4056.0
10°	5127.0	4873.2	4348.5	4013.0	3866.7
11°	5118.4	4808.7	4223.7	3840.9	3668.9
12°	5101.2	4739.9	4090.4	3660.3	3509.8
13°	5084.0	4666.8	3927.0	3505.5	3324.8
14°	5066.8	4589.3	3785.0	3333.4	3165.7
15°	5045.3	4507.6	3625.9	3170.0	2997.9
16°	5023.8	4413.0	3483.9	3002.2	2821.6
17°	5002.3	4322.7	3350.6	2847.4	2683.9
18°	4976.5	4232.3	3195.8	2696.8	2537.7
19°	4942.0	4129.1	3071.0	2559.2	2413.0
20°	4911.9	4034.5	2929.1	2430.2	2301.1
21°	4877.5	3918.4	2787.2	2309.7	2180.7
22.5°	4825.9	3754.9	2606.5	2159.2	2038.8
23°	4800.1	3707.6	2533.4	2103.3	2000.0
24°	4765.7	3582.9	2413.0	2017.2	1914.0
25°	4714.1	3483.9	2309.7	1939.8	1858.1
26°	4666.8	3363.5	2206.5	1871.0	1789.3
27°	4619.5	3247.4	2116.2	1797.9	1729.1
28°	4559.2	3126.9	2017.2	1737.7	1677.5
29°	4494.7	3015.1	1935.5	1686.1	1638.7
30°	4430.2	2890.4	1866.7	1638.7	1600.0
32.5°	4249.6	2615.1	1690.4	1548.4	1522.6
35°	4034.5	2357.0	1565.6	1466.7	1458.1
37.5°	3793.6	2120.5	1453.8	1402.2	1410.8
40°	3509.8	1905.4	1359.2	1354.9	1372.1
42.5°	3208.7	1720.5	1286.0	1316.2	1342.0
45°	2899.0	1552.7	1212.9	1277.4	1311.9
47.5°	2576.4	1406.5	1148.4	1230.1	1268.8
50°	2249.5	1264.5	1079.6	1174.2	1212.9
52.5°	1957.0	1139.8	1010.8	1109.7	1152.7
55°	1664.6	1019.4	937.7	1040.9	1075.3
57.5°	1410.8	907.5	860.2	963.5	989.3
60°	1174.2	800.0	782.8	877.4	907.5
62.5°	959.2	705.4	709.7	800.0	830.1
65°	782.8	615.1	645.2	726.9	752.7



TEST NUMBER: P568088

CATALOG NUMBER: 8SNX-90SL-LN-UNV-L940-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	636.6	529.0	580.7	666.7	688.2
70°	503.2	451.6	529.0	606.5	628.0
72.5°	400.0	382.8	477.4	559.2	576.4
75°	305.4	318.3	434.4	511.8	533.3
77.5°	219.4	266.7	391.4	473.1	490.3
80°	154.8	219.4	357.0	438.7	455.9
82.5°	98.9	180.6	322.6	408.6	425.8
85°	51.6	146.2	292.5	378.5	395.7
87.5°	21.5	120.4	262.4	348.4	365.6
90°	0.0	98.9	236.6	322.6	335.5
92.5°	0.0	86.0	215.1	296.8	309.7
95°	0.0	73.1	197.9	271.0	283.9
97.5°	0.0	68.8	176.3	249.5	262.4
100°	0.0	60.2	159.1	228.0	245.2
102.5°	0.0	55.9	146.2	206.5	223.7
105°	0.0	51.6	133.3	189.3	206.5
107.5°	0.0	47.3	124.7	176.3	189.3
110°	0.0	47.3	111.8	163.4	176.3
112.5°	4.3	43.0	103.2	146.2	159.1
115°	4.3	43.0	94.6	137.6	146.2
117.5°	4.3	43.0	90.3	124.7	133.3
120°	4.3	38.7	86.0	116.1	124.7
122.5°	4.3	38.7	81.7	107.5	111.8
125°	4.3	34.4	77.4	98.9	107.5
127.5°	4.3	34.4	73.1	94.6	98.9
130°	4.3	34.4	68.8	86.0	94.6
132.5°	4.3	30.1	64.5	81.7	86.0
135°	4.3	30.1	60.2	77.4	81.7
137.5°	4.3	25.8	55.9	73.1	77.4
140°	4.3	25.8	51.6	68.8	73.1
142.5°	4.3	21.5	47.3	64.5	68.8
145°	4.3	21.5	43.0	60.2	64.5
147.5°	4.3	21.5	38.7	55.9	60.2
150°	4.3	17.2	34.4	51.6	55.9
152.5°	4.3	17.2	30.1	47.3	51.6
155°	4.3	17.2	30.1	43.0	47.3
157.5°	4.3	12.9	25.8	34.4	43.0
160°	4.3	12.9	21.5	30.1	38.7
162.5°	4.3	12.9	21.5	25.8	30.1
165°	4.3	8.6	17.2	21.5	25.8
167.5°	4.3	8.6	12.9	17.2	21.5
170°	4.3	8.6	12.9	12.9	17.2
172.5°	4.3	8.6	8.6	8.6	8.6
175°	8.6	8.6	8.6	8.6	4.3
177.5°	8.6	8.6	8.6	4.3	4.3



TEST NUMBER: P568088

CATALOG NUMBER: 8SNX-90SL-LN-UNV-L940-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	4.3	4.3	4.3	4.3	4.3

(END OF REPORT)