

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: P568079

Luminaire Tested: **8SNX-90SL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568079  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-90SL-LC-UNV-L935-CD  
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

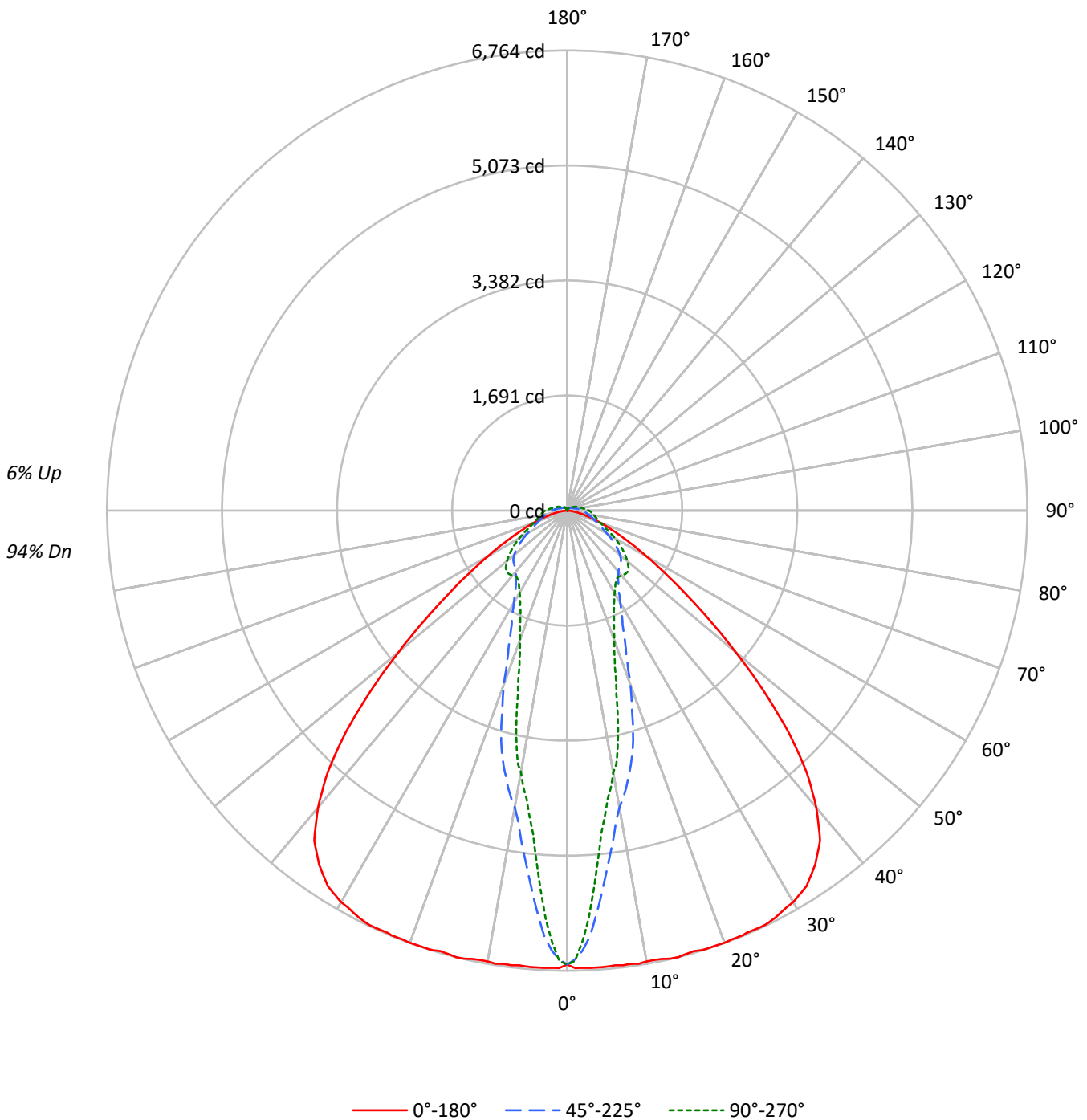
Lumens per Lamp: N/A  
Luminaire Lumens: 8224.0 lumens  
Efficiency: N/A  
Efficacy: 138.0 lumens/watt  
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 59.6  
Input Voltage (V): NR  
Input Current (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

TEST NUMBER: P568079

CATALOG NUMBER: 8SNX-90SL-LC-UNV-L935-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P568079

CATALOG NUMBER: 8SNX-90SL-LC-UNV-L935-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	50	30	10	0		
RCR																										
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94					94			
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80					80			
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69					69			
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60					60			
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53					53			
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47					47			
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42					42			
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38					38			
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35					35			
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32					32			
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30					30			

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

	0°	45°	90°
0°	35907	35907	35907
5°	36297	29528	26398
10°	36649	22318	19105
15°	37388	18262	13229
20°	38427	13229	9343
25°	39709	9487	7350
30°	40813	7587	6260
35°	41157	6425	5607
40°	39345	5847	5620
45°	34252	5655	5774
50°	26376	5385	5388
55°	19202	4715	4781
60°	14012	3940	4042
65°	10275	3337	3314
70°	7653	2953	2857
75°	5530	2740	2663
80°	3739	2573	2623
85°	1890	2461	2627



TEST NUMBER: P568079

CATALOG NUMBER: 8SNX-90SL-LC-UNV-L935-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	524.7	6.4
10°-20°	1139.4	13.9
20°-30°	1304.2	15.9
30°-40°	1306.5	15.9
40°-50°	1236.8	15.0
50°-60°	948.5	11.5
60°-70°	611.4	7.4
70°-80°	389.9	4.7
80°-90°	258.9	3.1
90°-100°	174.0	2.1
100°-110°	114.7	1.4
110°-120°	79.8	1.0
120°-130°	55.6	0.7
130°-140°	38.6	0.5
140°-150°	23.6	0.3
150°-160°	12.0	0.1
160°-170°	4.6	0.1
170°-180°	0.9	0.0
0°-30°	2968.2	36.1
0°-40°	4274.7	52.0
0°-60°	6460.0	78.6
0°-90°	7720.1	93.9
90°-120°	368.5	4.5
90°-150°	486.4	5.9
90°-180°	504.0	6.1
0°-180°	8224.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6672	6672	6672	6672	6672	
5°	6731	6360	5698	5315	5171	643
15°	6748	4859	3705	3043	2798	1914
25°	6752	3439	1960	1703	1623	3113
35°	6356	1913	1311	1269	1252	3943
45°	4594	1210	1104	1222	1264	3493
55°	2107	864	851	957	995	1938
65°	843	544	535	611	632	867
75°	287	295	371	426	447	315
85°	38	135	261	341	367	52
90°	0	93	219	304	316	2
95°	0	67	181	249	261	0
105°	0	51	118	169	181	3
115°	4	42	88	122	131	4
125°	4	38	76	88	93	4
135°	4	30	59	72	76	3
145°	4	21	42	55	59	3
155°	4	13	25	38	42	2
165°	8	8	17	21	25	2
175°	8	8	8	8	4	1
180°	8	8	8	8	8	



TEST NUMBER: P568079

CATALOG NUMBER: 8SNX-90SL-LC-UNV-L935-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6671.7	6671.7	6671.7	6671.7	6671.7
1°	6726.5	6688.6	6600.1	6625.3	6621.1
2°	6726.5	6646.4	6473.6	6423.0	6347.2
3°	6730.7	6574.8	6279.8	6115.4	6010.0
4°	6730.7	6469.4	5993.2	5719.2	5584.3
5°	6730.7	6359.8	5698.1	5314.6	5171.3
6°	6722.3	6229.2	5398.9	4994.3	4779.4
7°	6734.9	6085.9	5129.2	4695.1	4526.5
8°	6730.7	5917.3	4880.5	4467.5	4282.0
9°	6743.4	5752.9	4610.8	4252.5	4113.4
10°	6730.7	5601.2	4433.8	4050.2	3906.9
11°	6730.7	5453.7	4307.3	3919.6	3797.4
12°	6739.1	5285.1	4168.2	3734.1	3565.5
13°	6760.2	5112.3	4008.1	3531.8	3333.7
14°	6764.4	4981.7	3860.6	3274.7	3068.2
15°	6747.6	4859.4	3704.6	3042.9	2798.5
16°	6739.1	4733.0	3519.2	2823.8	2604.6
17°	6756.0	4585.5	3308.5	2600.4	2398.1
18°	6760.2	4450.6	3085.1	2431.8	2254.8
19°	6760.2	4345.3	2903.9	2275.9	2124.2
20°	6760.2	4244.1	2718.4	2157.9	2027.2
21°	6751.8	4117.7	2507.7	2035.7	1926.1
22.5°	6756.0	3881.6	2267.5	1892.4	1803.8
23°	6743.4	3822.6	2208.4	1854.4	1761.7
24°	6747.6	3654.1	2082.0	1778.6	1690.1
25°	6751.8	3439.1	1959.8	1702.7	1622.6
26°	6743.4	3266.3	1858.6	1631.0	1576.3
27°	6722.3	3127.2	1787.0	1572.0	1521.5
28°	6692.8	2941.8	1711.1	1521.5	1475.1
29°	6663.3	2731.1	1635.3	1466.7	1433.0
30°	6646.4	2562.5	1563.6	1424.5	1395.0
32.5°	6545.3	2229.5	1416.1	1340.2	1315.0
35°	6355.6	1913.4	1310.7	1268.6	1251.7
37.5°	6107.0	1669.0	1230.7	1222.2	1226.4
40°	5698.1	1475.1	1171.7	1209.6	1247.5
42.5°	5209.2	1323.4	1129.5	1222.2	1264.4
45°	4593.9	1209.6	1104.2	1222.2	1264.4
47.5°	3911.1	1116.9	1074.7	1180.1	1222.2
50°	3228.4	1032.6	1015.7	1116.9	1154.8
52.5°	2625.7	952.5	939.9	1036.8	1074.7
55°	2107.3	864.0	851.3	956.7	994.6
57.5°	1690.1	779.7	767.1	864.0	901.9
60°	1348.7	695.4	674.3	771.3	809.2
62.5°	1074.7	615.3	602.7	687.0	720.7
65°	842.9	543.7	535.3	611.1	632.2



TEST NUMBER: P568079

CATALOG NUMBER: 8SNX-90SL-LC-UNV-L935-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	665.9	476.2	480.5	543.7	569.0
70°	514.2	413.0	438.3	497.3	514.2
72.5°	387.7	349.8	404.6	455.2	476.2
75°	286.6	295.0	370.9	425.7	446.7
77.5°	198.1	244.4	341.4	400.4	421.5
80°	134.9	198.1	311.9	379.3	404.6
82.5°	80.1	164.4	286.6	358.2	387.7
85°	37.9	134.9	261.3	341.4	366.7
87.5°	12.6	109.6	236.0	324.5	345.6
90°	0.0	92.7	219.2	303.5	316.1
92.5°	0.0	80.1	198.1	278.2	286.6
95°	0.0	67.4	181.2	248.7	261.3
97.5°	0.0	63.2	168.6	223.4	240.2
100°	0.0	59.0	151.7	202.3	219.2
102.5°	0.0	50.6	134.9	181.2	198.1
105°	0.0	50.6	118.0	168.6	181.2
107.5°	4.2	46.4	109.6	151.7	168.6
110°	4.2	46.4	96.9	143.3	155.9
112.5°	4.2	46.4	92.7	130.7	147.5
115°	4.2	42.1	88.5	122.2	130.7
117.5°	4.2	42.1	84.3	109.6	118.0
120°	4.2	37.9	80.1	101.2	105.4
122.5°	4.2	37.9	75.9	92.7	96.9
125°	4.2	37.9	75.9	88.5	92.7
127.5°	4.2	33.7	71.6	84.3	84.3
130°	4.2	33.7	67.4	80.1	80.1
132.5°	4.2	29.5	63.2	75.9	80.1
135°	4.2	29.5	59.0	71.6	75.9
137.5°	4.2	25.3	54.8	67.4	71.6
140°	4.2	25.3	50.6	63.2	67.4
142.5°	4.2	21.1	46.4	59.0	63.2
145°	4.2	21.1	42.1	54.8	59.0
147.5°	4.2	21.1	37.9	50.6	54.8
150°	4.2	16.9	33.7	46.4	50.6
152.5°	4.2	16.9	29.5	42.1	46.4
155°	4.2	12.6	25.3	37.9	42.1
157.5°	4.2	12.6	25.3	33.7	37.9
160°	8.4	12.6	21.1	29.5	33.7
162.5°	4.2	8.4	21.1	25.3	29.5
165°	8.4	8.4	16.9	21.1	25.3
167.5°	8.4	8.4	12.6	16.9	21.1
170°	8.4	8.4	12.6	12.6	16.9
172.5°	8.4	8.4	8.4	12.6	8.4
175°	8.4	8.4	8.4	8.4	4.2
177.5°	8.4	8.4	8.4	8.4	4.2



TEST NUMBER: P568079

CATALOG NUMBER: 8SNX-90SL-LC-UNV-L935-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	8.4	8.4	8.4	8.4	8.4

(END OF REPORT)