

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: P568064

Luminaire Tested: **8SNX-82SL-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568064  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-82SL-UNV-L940-CD  
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

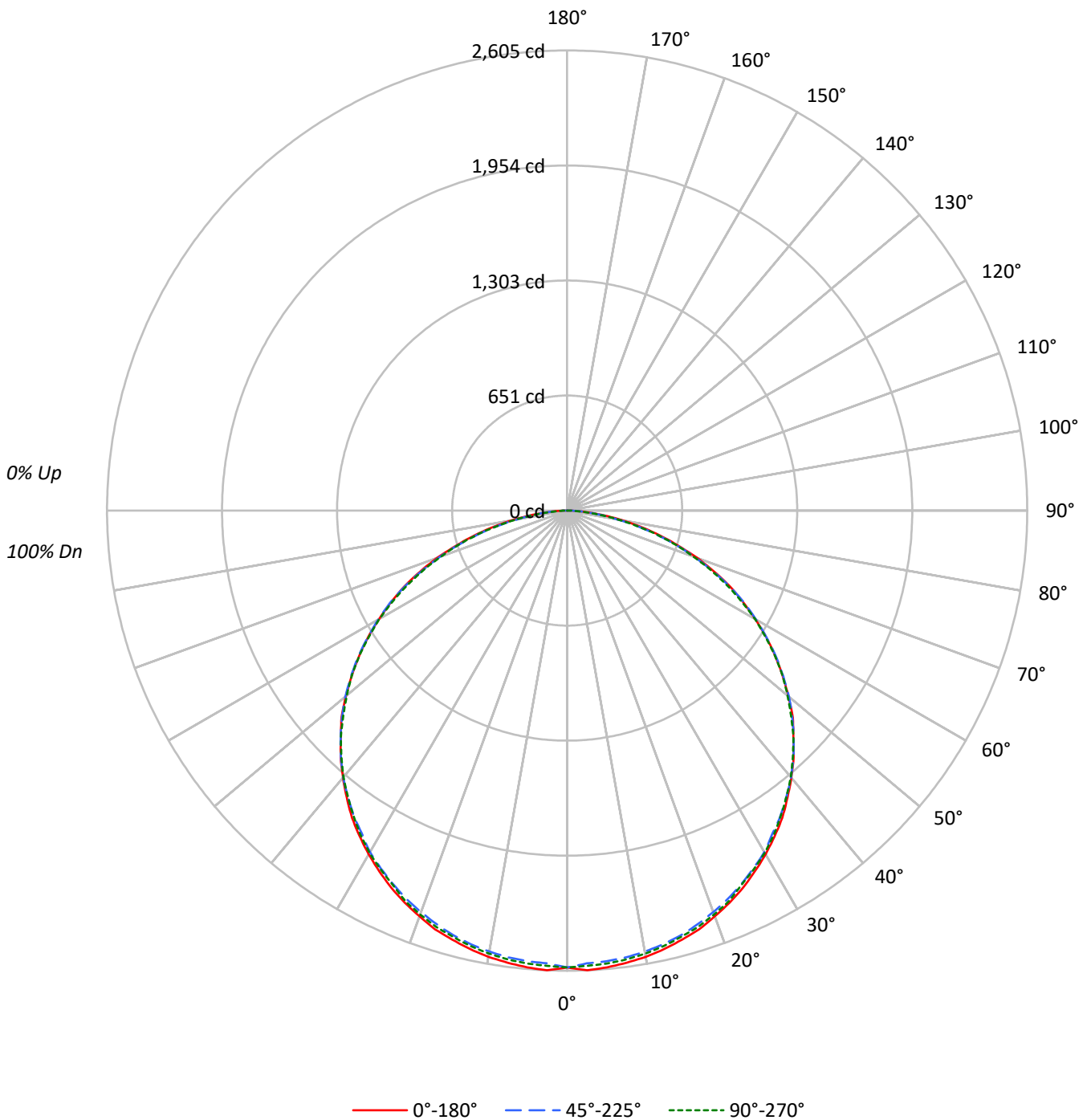
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7733.0 lumens  
Efficiency: N/A  
Efficacy: 147.0 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 52.6  
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: P568064

CATALOG NUMBER: 8SNX-82SL-UNV-L940-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P568064

CATALOG NUMBER: 8SNX-82SL-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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

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

	0°	45°	90°
0°	13919	13919	13919
5°	14023	13834	13910
10°	14020	13854	13918
15°	14009	13866	13918
20°	14000	13853	13934
25°	13991	13853	13880
30°	13962	13876	13904
35°	13952	13845	13860
40°	13873	13857	13841
45°	13790	13808	13790
50°	13690	13729	13632
55°	13509	13552	13486
60°	13244	13293	13218
65°	12973	12884	12707
70°	12334	12077	11931
75°	11268	10882	10929
80°	9732	9010	9227
85°	7324	7040	6317



TEST NUMBER: P568064

CATALOG NUMBER: 8SNX-82SL-UNV-L940-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	245.3	3.2
10°-20°	707.0	9.1
20°-30°	1081.7	14.0
30°-40°	1322.6	17.1
40°-50°	1399.1	18.1
50°-60°	1289.1	16.7
60°-70°	993.3	12.8
70°-80°	556.6	7.2
80°-90°	138.3	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2034.0	26.3
0°-40°	3356.6	43.4
0°-60°	6044.8	78.2
0°-90°	7733.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7733.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2586	2586	2586	2586	2586	
5°	2596	2586	2561	2586	2575	247
15°	2514	2510	2489	2510	2498	710
25°	2356	2351	2333	2351	2337	1086
35°	2124	2119	2107	2114	2110	1327
45°	1812	1819	1814	1812	1812	1400
55°	1440	1451	1444	1444	1437	1286
65°	1019	1019	1012	986	998	1002
75°	542	535	523	505	526	575
85°	119	112	114	114	102	146
90°	0	0	0	0	0	



TEST NUMBER: P568064

CATALOG NUMBER: 8SNX-82SL-UNV-L940-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2586.3	2586.3	2586.3	2586.3	2586.3
2.5°	2604.9	2593.3	2565.4	2590.9	2579.3
5°	2595.6	2586.3	2560.7	2586.3	2574.7
7.5°	2581.6	2574.7	2551.4	2574.7	2563.0
10°	2565.4	2558.4	2535.1	2558.4	2546.8
12.5°	2542.1	2537.5	2514.2	2537.5	2525.8
15°	2514.2	2509.5	2488.6	2509.5	2497.9
17.5°	2486.3	2477.0	2456.1	2479.3	2470.0
20°	2444.4	2439.8	2418.8	2439.8	2432.8
22.5°	2402.6	2397.9	2379.3	2397.9	2393.3
25°	2356.0	2351.4	2332.8	2351.4	2337.4
27.5°	2302.5	2304.9	2283.9	2295.6	2288.6
30°	2246.7	2246.7	2232.8	2237.4	2237.4
32.5°	2186.3	2186.3	2165.3	2179.3	2177.0
35°	2123.5	2118.8	2107.2	2114.2	2109.5
37.5°	2049.0	2046.7	2039.7	2044.4	2039.7
40°	1974.6	1976.9	1972.3	1970.0	1970.0
42.5°	1897.9	1902.5	1895.5	1893.2	1890.9
45°	1811.8	1818.8	1814.1	1811.8	1811.8
47.5°	1732.7	1735.1	1728.1	1725.7	1718.8
50°	1635.0	1644.3	1639.7	1635.0	1628.1
52.5°	1537.4	1551.3	1542.0	1537.4	1537.4
55°	1439.7	1451.3	1444.3	1444.3	1437.3
57.5°	1337.3	1349.0	1339.7	1339.7	1330.4
60°	1230.4	1242.0	1235.0	1228.0	1228.0
62.5°	1123.4	1132.7	1130.3	1118.7	1111.7
65°	1018.7	1018.7	1011.7	986.1	997.8
67.5°	900.1	897.8	888.5	862.9	879.2
70°	783.8	783.8	767.5	737.3	758.2
72.5°	658.2	665.2	644.2	623.3	644.2
75°	541.9	534.9	523.3	504.7	525.6
77.5°	430.3	418.6	404.7	395.4	407.0
80°	314.0	307.0	290.7	290.7	297.7
82.5°	214.0	207.0	195.4	197.7	188.4
85°	118.6	111.6	114.0	114.0	102.3
87.5°	48.8	48.8	48.8	44.2	39.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)