

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: P567824

Luminaire Tested: **8SNX-44SL-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567824  
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-44SL-UNV-L940-CD  
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

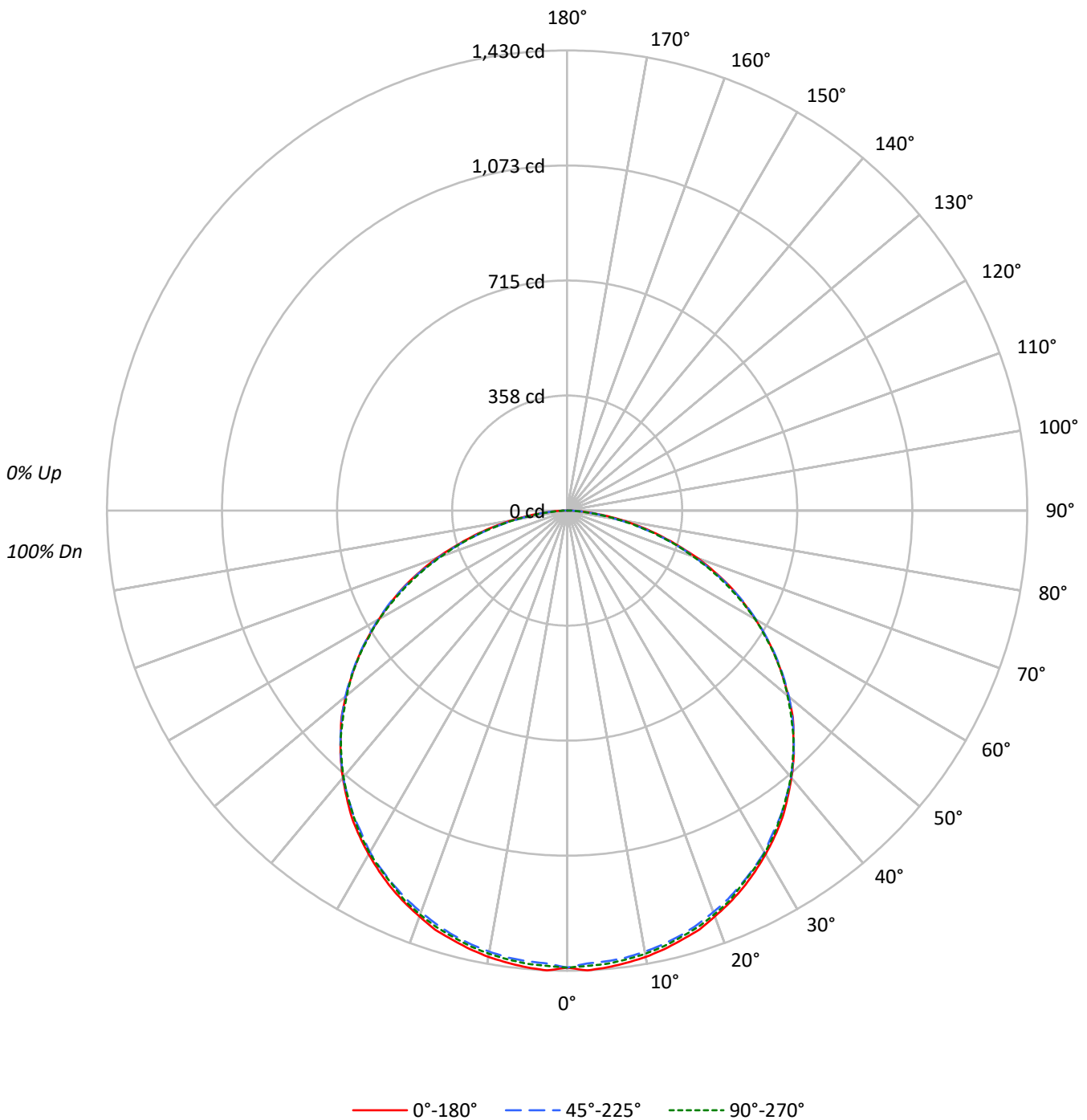
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4246.0 lumens  
Efficiency: N/A  
Efficacy: 153.8 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): 27.6  
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

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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	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°	7643	7643	7643
5°	7700	7596	7638
10°	7698	7607	7642
15°	7692	7613	7642
20°	7687	7607	7651
25°	7682	7606	7621
30°	7666	7619	7635
35°	7660	7602	7610
40°	7617	7608	7600
45°	7572	7582	7572
50°	7517	7538	7484
55°	7417	7441	7405
60°	7272	7299	7258
65°	7123	7074	6977
70°	6773	6631	6551
75°	6188	5974	6001
80°	5343	4947	5067
85°	4020	3866	3470



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	134.7	3.2
10°-20°	388.2	9.1
20°-30°	593.9	14.0
30°-40°	726.2	17.1
40°-50°	768.2	18.1
50°-60°	707.8	16.7
60°-70°	545.4	12.8
70°-80°	305.6	7.2
80°-90°	76.0	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°	1116.8	26.3
0°-40°	1843.0	43.4
0°-60°	3319.0	78.2
0°-90°	4246.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4246.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1420	1420	1420	1420	1420	
5°	1425	1420	1406	1420	1414	135
15°	1380	1378	1366	1378	1372	390
25°	1294	1291	1281	1291	1283	596
35°	1166	1163	1157	1161	1158	728
45°	995	999	996	995	995	768
55°	790	797	793	793	789	706
65°	559	559	556	542	548	550
75°	298	294	287	277	289	316
85°	65	61	63	63	56	80
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1420.1	1420.1	1420.1	1420.1	1420.1
2.5°	1430.3	1423.9	1408.6	1422.6	1416.2
5°	1425.2	1420.1	1406.0	1420.1	1413.7
7.5°	1417.5	1413.7	1400.9	1413.7	1407.3
10°	1408.6	1404.7	1392.0	1404.7	1398.4
12.5°	1395.8	1393.3	1380.5	1393.3	1386.9
15°	1380.5	1377.9	1366.4	1377.9	1371.5
17.5°	1365.2	1360.1	1348.6	1361.3	1356.2
20°	1342.2	1339.6	1328.1	1339.6	1335.8
22.5°	1319.2	1316.6	1306.4	1316.6	1314.1
25°	1293.6	1291.1	1280.9	1291.1	1283.4
27.5°	1264.3	1265.5	1254.1	1260.4	1256.6
30°	1233.6	1233.6	1226.0	1228.5	1228.5
32.5°	1200.4	1200.4	1188.9	1196.6	1195.3
35°	1165.9	1163.4	1157.0	1160.8	1158.3
37.5°	1125.1	1123.8	1120.0	1122.5	1120.0
40°	1084.2	1085.5	1082.9	1081.7	1081.7
42.5°	1042.1	1044.6	1040.8	1039.5	1038.2
45°	994.8	998.6	996.1	994.8	994.8
47.5°	951.4	952.7	948.8	947.6	943.7
50°	897.8	902.9	900.3	897.8	893.9
52.5°	844.1	851.8	846.7	844.1	844.1
55°	790.5	796.9	793.0	793.0	789.2
57.5°	734.3	740.7	735.6	735.6	730.5
60°	675.6	681.9	678.1	674.3	674.3
62.5°	616.8	621.9	620.6	614.3	610.4
65°	559.3	559.3	555.5	541.5	547.9
67.5°	494.2	492.9	487.8	473.8	482.7
70°	430.4	430.4	421.4	404.8	416.3
72.5°	361.4	365.2	353.7	342.2	353.7
75°	297.6	293.7	287.3	277.1	288.6
77.5°	236.3	229.9	222.2	217.1	223.5
80°	172.4	168.6	159.6	159.6	163.5
82.5°	117.5	113.7	107.3	108.5	103.4
85°	65.1	61.3	62.6	62.6	56.2
87.5°	26.8	26.8	26.8	24.3	21.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)