

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: P567800

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567800  
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-44SL-LN-UNV-L940-CD  
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

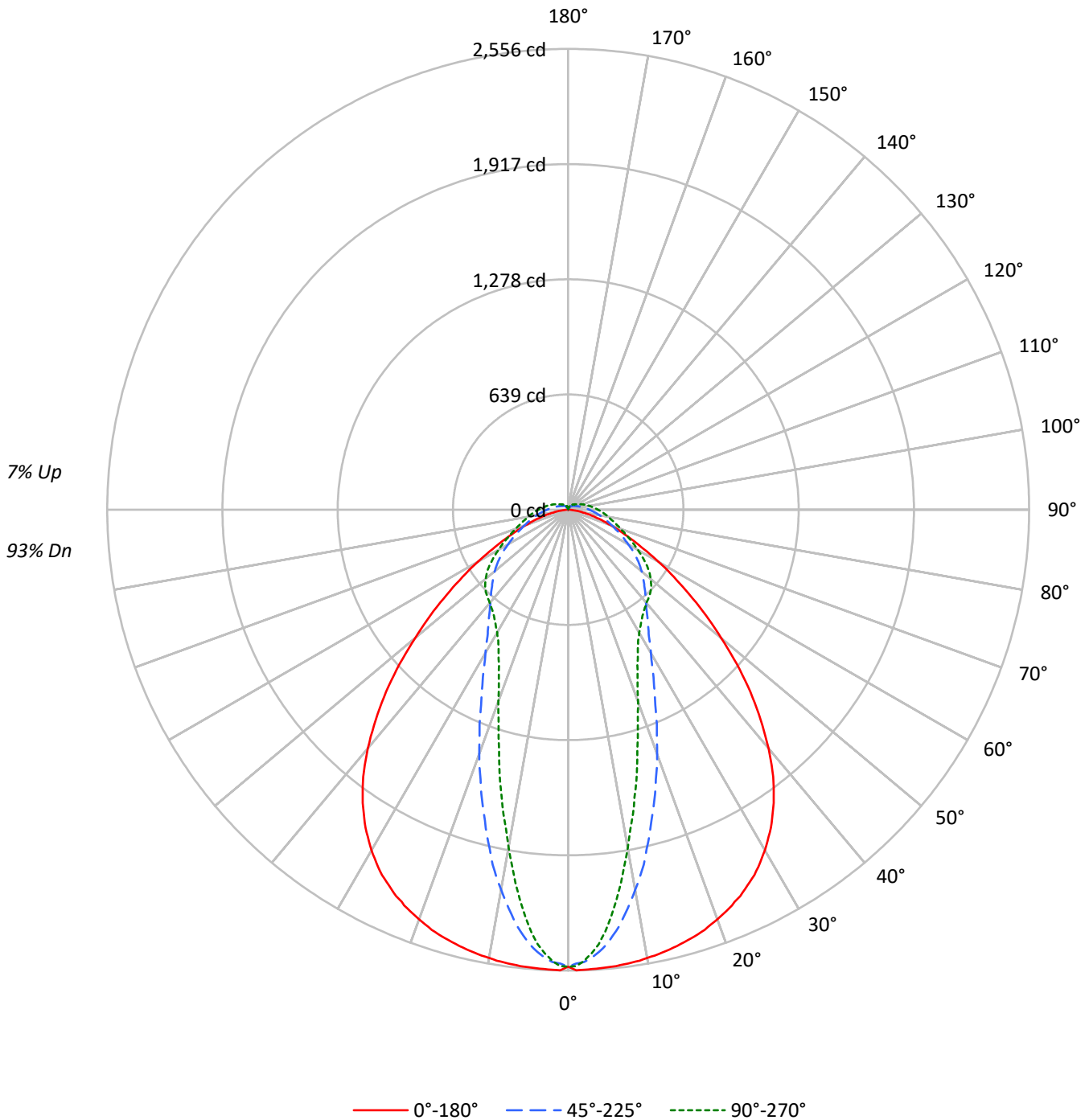
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4040.0 lumens  
Efficiency: N/A  
Efficacy: 146.4 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): 27.6  
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: P567800  
CATALOG NUMBER: 8SNX-44SL-LN-UNV-L940-CD

### 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	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	67	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°	13640	13640	13640
5°	13736	12552	11997
10°	13742	10775	9308
15°	13761	8799	6977
20°	13745	7017	5221
25°	13648	5504	4144
30°	13392	4459	3534
35°	12861	3778	3215
40°	11930	3339	3043
45°	10640	3058	2949
50°	9047	2817	2786
55°	7466	2556	2544
60°	6005	2252	2232
65°	4697	1980	1942
70°	3687	1754	1718
75°	2900	1580	1565
80°	2112	1449	1455
85°	1267	1356	1395



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	224.4	5.6
10°-20°	526.1	13.0
20°-30°	624.5	15.5
30°-40°	628.3	15.6
40°-50°	584.0	14.5
50°-60°	480.9	11.9
60°-70°	338.9	8.4
70°-80°	221.4	5.5
80°-90°	141.3	3.5
90°-100°	92.7	2.3
100°-110°	62.9	1.6
110°-120°	43.1	1.1
120°-130°	29.8	0.7
130°-140°	20.1	0.5
140°-150°	12.4	0.3
150°-160°	6.4	0.2
160°-170°	2.3	0.1
170°-180°	0.4	0.0
0°-30°	1375.0	34.0
0°-40°	2003.3	49.6
0°-60°	3068.2	75.9
0°-90°	3769.8	93.3
90°-120°	198.8	4.9
90°-150°	261.0	6.5
90°-180°	270.0	6.7
0°-180°	4040.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2534	2534	2534	2534	2534	
5°	2547	2513	2422	2376	2350	242
15°	2484	2219	1785	1560	1476	701
25°	2321	1715	1137	955	915	1068
35°	1986	1160	771	722	718	1235
45°	1427	764	597	629	646	1096
55°	819	502	462	512	529	740
65°	385	303	318	358	370	391
75°	150	157	214	252	262	163
85°	25	72	144	186	195	32
90°	0	49	116	159	165	1
95°	0	36	97	133	140	0
105°	0	25	66	93	102	0
115°	2	21	47	68	72	2
125°	2	17	38	49	53	2
135°	2	15	30	38	40	2
145°	2	11	21	30	32	1
155°	2	8	15	21	23	1
165°	2	4	8	11	13	1
175°	4	4	4	4	2	0
180°	2	2	2	2	2	



TEST NUMBER: P567800

CATALOG NUMBER: 8SNX-44SL-LN-UNV-L940-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2534.4	2534.4	2534.4	2534.4	2534.4
1°	2555.6	2545.0	2517.5	2536.5	2532.3
2°	2553.5	2542.9	2511.1	2519.6	2504.8
3°	2551.4	2536.5	2487.8	2485.7	2464.5
4°	2549.2	2525.9	2458.2	2432.8	2415.8
5°	2547.1	2513.2	2422.2	2375.6	2350.2
6°	2545.0	2498.4	2375.6	2305.7	2269.7
7°	2540.8	2475.1	2326.9	2231.6	2185.1
8°	2536.5	2454.0	2265.5	2151.2	2094.0
9°	2532.3	2426.4	2204.1	2064.4	1996.6
10°	2523.8	2398.9	2140.6	1975.4	1903.5
11°	2519.6	2367.1	2079.2	1890.8	1806.1
12°	2511.1	2333.3	2013.6	1801.8	1727.7
13°	2502.7	2297.3	1933.1	1725.6	1636.7
14°	2494.2	2259.2	1863.2	1640.9	1558.3
15°	2483.6	2218.9	1784.9	1560.5	1475.8
16°	2473.0	2172.4	1715.0	1477.9	1389.0
17°	2462.4	2127.9	1649.4	1401.7	1321.2
18°	2449.7	2083.4	1573.2	1327.5	1249.2
19°	2432.8	2032.6	1511.8	1259.8	1187.8
20°	2418.0	1986.0	1441.9	1196.3	1132.8
21°	2401.0	1928.9	1372.0	1137.0	1073.5
22.5°	2375.6	1848.4	1283.1	1062.9	1003.6
23°	2362.9	1825.1	1247.1	1035.4	984.5
24°	2346.0	1763.7	1187.8	993.0	942.2
25°	2320.6	1715.0	1137.0	954.9	914.7
26°	2297.3	1655.7	1086.2	921.0	880.8
27°	2274.0	1598.6	1041.7	885.0	851.2
28°	2244.3	1539.3	993.0	855.4	825.7
29°	2212.6	1484.2	952.8	830.0	806.7
30°	2180.8	1422.8	918.9	806.7	787.6
32.5°	2091.9	1287.3	832.1	762.2	749.5
35°	1986.0	1160.3	770.7	722.0	717.8
37.5°	1867.5	1043.8	715.6	690.2	694.5
40°	1727.7	938.0	669.1	667.0	675.4
42.5°	1579.5	846.9	633.1	647.9	660.6
45°	1427.1	764.3	597.1	628.8	645.8
47.5°	1268.3	692.4	565.3	605.5	624.6
50°	1107.4	622.5	531.4	578.0	597.1
52.5°	963.4	561.1	497.6	546.3	567.4
55°	819.4	501.8	461.6	512.4	529.3
57.5°	694.5	446.8	423.5	474.3	487.0
60°	578.0	393.8	385.3	431.9	446.8
62.5°	472.2	347.2	349.4	393.8	408.6
65°	385.3	302.8	317.6	357.8	370.5



TEST NUMBER: P567800

CATALOG NUMBER: 8SNX-44SL-LN-UNV-L940-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	313.4	260.4	285.8	328.2	338.8
70°	247.7	222.3	260.4	298.5	309.1
72.5°	196.9	188.4	235.0	275.2	283.7
75°	150.3	156.7	213.8	252.0	262.5
77.5°	108.0	131.3	192.7	232.9	241.4
80°	76.2	108.0	175.7	216.0	224.4
82.5°	48.7	88.9	158.8	201.1	209.6
85°	25.4	72.0	144.0	186.3	194.8
87.5°	10.6	59.3	129.2	171.5	180.0
90°	0.0	48.7	116.5	158.8	165.1
92.5°	0.0	42.3	105.9	146.1	152.4
95°	0.0	36.0	97.4	133.4	139.7
97.5°	0.0	33.9	86.8	122.8	129.2
100°	0.0	29.6	78.3	112.2	120.7
102.5°	0.0	27.5	72.0	101.6	110.1
105°	0.0	25.4	65.6	93.2	101.6
107.5°	0.0	23.3	61.4	86.8	93.2
110°	0.0	23.3	55.0	80.5	86.8
112.5°	2.1	21.2	50.8	72.0	78.3
115°	2.1	21.2	46.6	67.8	72.0
117.5°	2.1	21.2	44.5	61.4	65.6
120°	2.1	19.1	42.3	57.2	61.4
122.5°	2.1	19.1	40.2	52.9	55.0
125°	2.1	16.9	38.1	48.7	52.9
127.5°	2.1	16.9	36.0	46.6	48.7
130°	2.1	16.9	33.9	42.3	46.6
132.5°	2.1	14.8	31.8	40.2	42.3
135°	2.1	14.8	29.6	38.1	40.2
137.5°	2.1	12.7	27.5	36.0	38.1
140°	2.1	12.7	25.4	33.9	36.0
142.5°	2.1	10.6	23.3	31.8	33.9
145°	2.1	10.6	21.2	29.6	31.8
147.5°	2.1	10.6	19.1	27.5	29.6
150°	2.1	8.5	16.9	25.4	27.5
152.5°	2.1	8.5	14.8	23.3	25.4
155°	2.1	8.5	14.8	21.2	23.3
157.5°	2.1	6.4	12.7	16.9	21.2
160°	2.1	6.4	10.6	14.8	19.1
162.5°	2.1	6.4	10.6	12.7	14.8
165°	2.1	4.2	8.5	10.6	12.7
167.5°	2.1	4.2	6.4	8.5	10.6
170°	2.1	4.2	6.4	6.4	8.5
172.5°	2.1	4.2	4.2	4.2	4.2
175°	4.2	4.2	4.2	4.2	2.1
177.5°	4.2	4.2	4.2	2.1	2.1



TEST NUMBER: P567800

CATALOG NUMBER: 8SNX-44SL-LN-UNV-L940-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)