

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: P567798

Luminaire Tested: **8SNX-44SL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

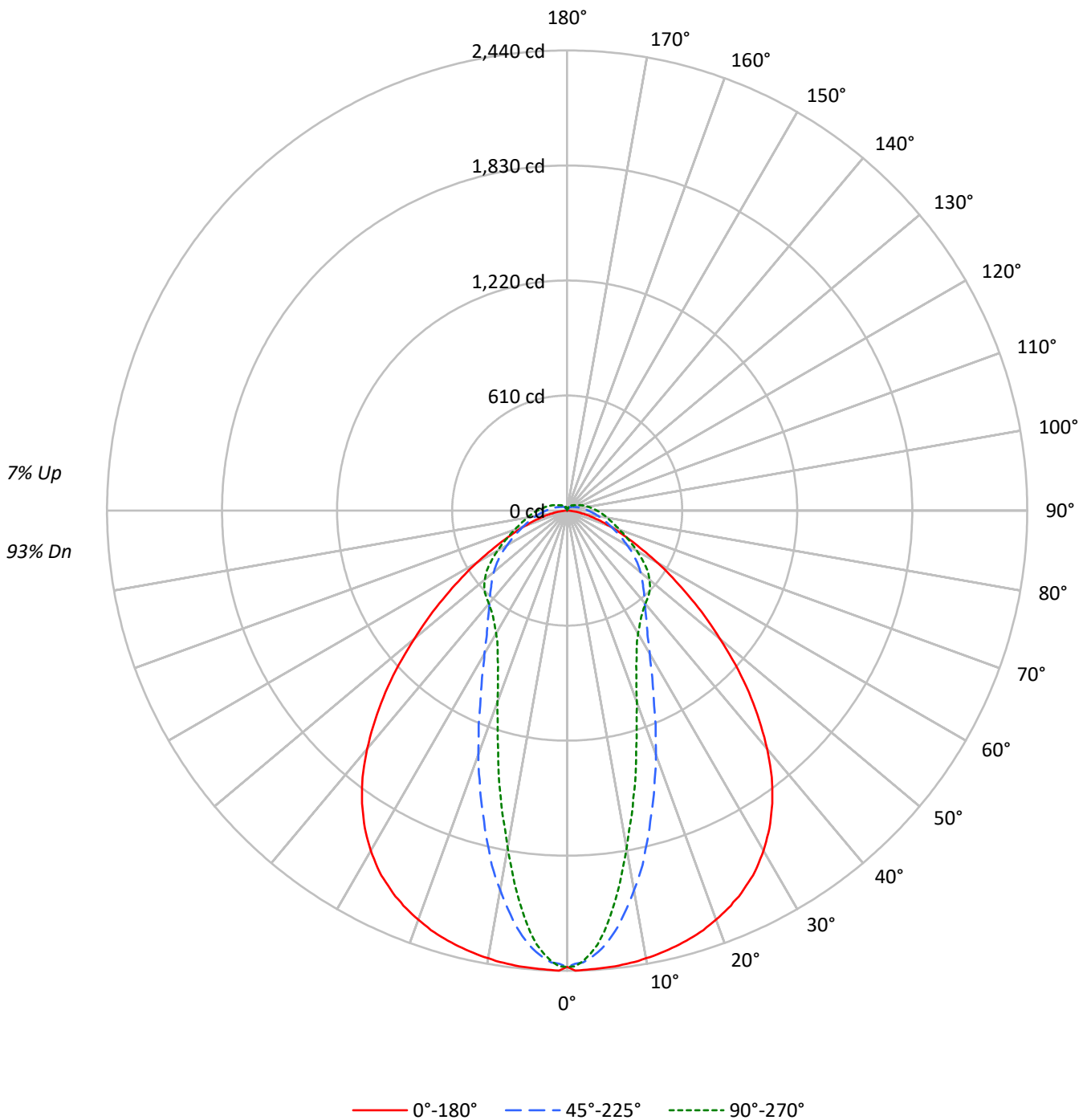
Test Method: LM-79-08  
Report Number: P567798  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-44SL-LN-UNV-L930-CD  
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3857.0 lumens  
Efficiency: N/A  
Efficacy: 139.7 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): 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

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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	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°	13022	13022	13022
5°	13113	11984	11454
10°	13120	10286	8886
15°	13138	8400	6660
20°	13122	6699	4984
25°	13030	5255	3956
30°	12785	4257	3374
35°	12279	3607	3070
40°	11390	3188	2905
45°	10158	2919	2815
50°	8637	2690	2659
55°	7128	2441	2429
60°	5733	2150	2131
65°	4485	1890	1854
70°	3520	1675	1640
75°	2769	1509	1495
80°	2018	1384	1389
85°	1212	1295	1332



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	214.3	5.6
10°-20°	502.3	13.0
20°-30°	596.2	15.5
30°-40°	599.8	15.6
40°-50°	557.6	14.5
50°-60°	459.1	11.9
60°-70°	323.5	8.4
70°-80°	211.4	5.5
80°-90°	134.9	3.5
90°-100°	88.5	2.3
100°-110°	60.1	1.6
110°-120°	41.2	1.1
120°-130°	28.5	0.7
130°-140°	19.2	0.5
140°-150°	11.8	0.3
150°-160°	6.1	0.2
160°-170°	2.2	0.1
170°-180°	0.4	0.0
0°-30°	1312.7	34.0
0°-40°	1912.5	49.6
0°-60°	2929.2	75.9
0°-90°	3599.0	93.3
90°-120°	189.7	4.9
90°-150°	249.2	6.5
90°-180°	258.0	6.7
0°-180°	3857.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2420	2420	2420	2420	2420	
5°	2432	2399	2312	2268	2244	231
15°	2371	2118	1704	1490	1409	670
25°	2216	1637	1086	912	873	1020
35°	1896	1108	736	689	685	1179
45°	1362	730	570	600	616	1046
55°	782	479	441	489	505	707
65°	368	289	303	342	354	373
75°	144	150	204	240	251	155
85°	24	69	138	178	186	31
90°	0	46	111	152	158	1
95°	0	34	93	127	133	0
105°	0	24	63	89	97	0
115°	2	20	44	65	69	2
125°	2	16	36	46	50	2
135°	2	14	28	36	38	2
145°	2	10	20	28	30	1
155°	2	8	14	20	22	1
165°	2	4	8	10	12	1
175°	4	4	4	4	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2419.6	2419.6	2419.6	2419.6	2419.6
1°	2439.8	2429.7	2403.4	2421.6	2417.6
2°	2437.8	2427.7	2397.4	2405.5	2391.3
3°	2435.8	2421.6	2375.1	2373.1	2352.9
4°	2433.8	2411.5	2346.8	2322.6	2306.4
5°	2431.7	2399.4	2312.5	2268.0	2243.8
6°	2429.7	2385.2	2268.0	2201.3	2166.9
7°	2425.7	2363.0	2221.5	2130.6	2086.1
8°	2421.6	2342.8	2162.9	2053.7	1999.2
9°	2417.6	2316.5	2104.3	1970.9	1906.2
10°	2409.5	2290.2	2043.6	1886.0	1817.2
11°	2405.5	2259.9	1985.0	1805.1	1724.3
12°	2397.4	2227.6	1922.3	1720.2	1649.5
13°	2389.3	2193.2	1845.5	1647.4	1562.5
14°	2381.2	2156.8	1778.8	1566.6	1487.7
15°	2371.1	2118.4	1704.0	1489.8	1408.9
16°	2361.0	2074.0	1637.3	1410.9	1326.0
17°	2350.9	2031.5	1574.7	1338.2	1261.4
18°	2338.8	1989.1	1501.9	1267.4	1192.6
19°	2322.6	1940.5	1443.3	1202.7	1134.0
20°	2308.4	1896.1	1376.6	1142.1	1081.4
21°	2292.3	1841.5	1309.9	1085.5	1024.8
22.5°	2268.0	1764.7	1225.0	1014.7	958.1
23°	2255.9	1742.4	1190.6	988.5	939.9
24°	2239.7	1683.8	1134.0	948.0	899.5
25°	2215.5	1637.3	1085.5	911.6	873.2
26°	2193.2	1580.7	1037.0	879.3	840.9
27°	2171.0	1526.2	994.5	844.9	812.6
28°	2142.7	1469.6	948.0	816.6	788.3
29°	2112.4	1417.0	909.6	792.4	770.2
30°	2082.0	1358.4	877.3	770.2	752.0
32.5°	1997.1	1229.0	794.4	727.7	715.6
35°	1896.1	1107.7	735.8	689.3	685.3
37.5°	1782.9	996.5	683.2	659.0	663.0
40°	1649.5	895.5	638.8	636.7	644.8
42.5°	1508.0	808.6	604.4	618.5	630.7
45°	1362.4	729.7	570.0	600.4	616.5
47.5°	1210.8	661.0	539.7	578.1	596.3
50°	1057.2	594.3	507.4	551.8	570.0
52.5°	919.7	535.7	475.0	521.5	541.7
55°	782.3	479.1	440.7	489.2	505.3
57.5°	663.0	426.5	404.3	452.8	464.9
60°	551.8	376.0	367.9	412.4	426.5
62.5°	450.8	331.5	333.5	376.0	390.1
65°	367.9	289.1	303.2	341.6	353.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	299.2	248.6	272.9	313.3	323.4
70°	236.5	212.2	248.6	285.0	295.1
72.5°	188.0	179.9	224.4	262.8	270.9
75°	143.5	149.6	204.2	240.5	250.7
77.5°	103.1	125.3	183.9	222.4	230.4
80°	72.8	103.1	167.8	206.2	214.3
82.5°	46.5	84.9	151.6	192.0	200.1
85°	24.3	68.7	137.5	177.9	186.0
87.5°	10.1	56.6	123.3	163.7	171.8
90°	0.0	46.5	111.2	151.6	157.7
92.5°	0.0	40.4	101.1	139.5	145.5
95°	0.0	34.4	93.0	127.3	133.4
97.5°	0.0	32.3	82.9	117.2	123.3
100°	0.0	28.3	74.8	107.1	115.2
102.5°	0.0	26.3	68.7	97.0	105.1
105°	0.0	24.3	62.7	88.9	97.0
107.5°	0.0	22.2	58.6	82.9	88.9
110°	0.0	22.2	52.6	76.8	82.9
112.5°	2.0	20.2	48.5	68.7	74.8
115°	2.0	20.2	44.5	64.7	68.7
117.5°	2.0	20.2	42.4	58.6	62.7
120°	2.0	18.2	40.4	54.6	58.6
122.5°	2.0	18.2	38.4	50.5	52.6
125°	2.0	16.2	36.4	46.5	50.5
127.5°	2.0	16.2	34.4	44.5	46.5
130°	2.0	16.2	32.3	40.4	44.5
132.5°	2.0	14.1	30.3	38.4	40.4
135°	2.0	14.1	28.3	36.4	38.4
137.5°	2.0	12.1	26.3	34.4	36.4
140°	2.0	12.1	24.3	32.3	34.4
142.5°	2.0	10.1	22.2	30.3	32.3
145°	2.0	10.1	20.2	28.3	30.3
147.5°	2.0	10.1	18.2	26.3	28.3
150°	2.0	8.1	16.2	24.3	26.3
152.5°	2.0	8.1	14.1	22.2	24.3
155°	2.0	8.1	14.1	20.2	22.2
157.5°	2.0	6.1	12.1	16.2	20.2
160°	2.0	6.1	10.1	14.1	18.2
162.5°	2.0	6.1	10.1	12.1	14.1
165°	2.0	4.0	8.1	10.1	12.1
167.5°	2.0	4.0	6.1	8.1	10.1
170°	2.0	4.0	6.1	6.1	8.1
172.5°	2.0	4.0	4.0	4.0	4.0
175°	4.0	4.0	4.0	4.0	2.0
177.5°	4.0	4.0	4.0	2.0	2.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)