

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: P567790

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567790  
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-44SL-LC-UNV-L930-CD  
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

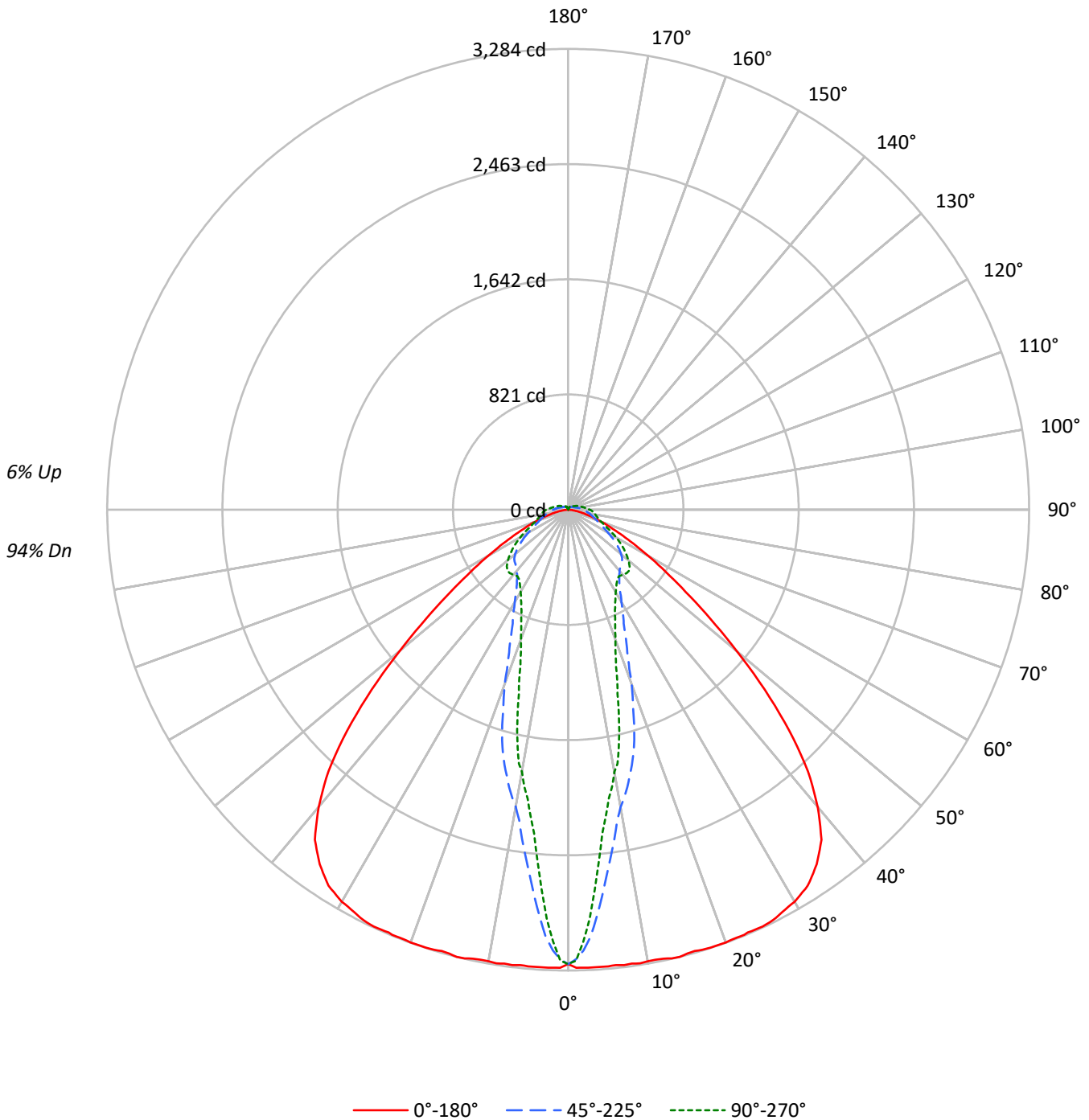
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3992.0 lumens  
Efficiency: N/A  
Efficacy: 144.6 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): 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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

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

	0°	45°	90°
0°	17429	17429	17429
5°	17618	14333	12814
10°	17789	10833	9274
15°	18148	8865	6422
20°	18653	6421	4535
25°	19275	4605	3568
30°	19811	3683	3039
35°	19978	3118	2722
40°	19098	2838	2728
45°	16626	2745	2803
50°	12803	2614	2615
55°	9321	2289	2321
60°	6802	1913	1962
65°	4988	1620	1609
70°	3715	1434	1387
75°	2684	1330	1293
80°	1816	1249	1273
85°	918	1194	1275



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	254.7	6.4
10°-20°	553.1	13.9
20°-30°	633.1	15.9
30°-40°	634.2	15.9
40°-50°	600.3	15.0
50°-60°	460.4	11.5
60°-70°	296.8	7.4
70°-80°	189.3	4.7
80°-90°	125.7	3.1
90°-100°	84.5	2.1
100°-110°	55.7	1.4
110°-120°	38.7	1.0
120°-130°	27.0	0.7
130°-140°	18.7	0.5
140°-150°	11.5	0.3
150°-160°	5.8	0.1
160°-170°	2.2	0.1
170°-180°	0.4	0.0
0°-30°	1440.8	36.1
0°-40°	2075.0	52.0
0°-60°	3135.7	78.6
0°-90°	3747.4	93.9
90°-120°	178.8	4.5
90°-150°	236.1	5.9
90°-180°	245.0	6.1
0°-180°	3992.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3238	3238	3238	3238	3238	
5°	3267	3087	2766	2580	2510	312
15°	3275	2359	1798	1477	1358	929
25°	3277	1669	951	826	788	1511
35°	3085	929	636	616	608	1914
45°	2230	587	536	593	614	1695
55°	1023	419	413	464	483	941
65°	409	264	260	297	307	421
75°	139	143	180	207	217	153
85°	18	66	127	166	178	25
90°	0	45	106	147	153	1
95°	0	33	88	121	127	0
105°	0	24	57	82	88	1
115°	2	20	43	59	63	2
125°	2	18	37	43	45	2
135°	2	14	29	35	37	2
145°	2	10	20	27	29	1
155°	2	6	12	18	20	1
165°	4	4	8	10	12	1
175°	4	4	4	4	2	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3238.5	3238.5	3238.5	3238.5	3238.5
1°	3265.1	3246.7	3203.7	3216.0	3214.0
2°	3265.1	3226.2	3142.4	3117.8	3081.0
3°	3267.1	3191.5	3048.2	2968.5	2917.3
4°	3267.1	3140.3	2909.1	2776.2	2710.7
5°	3267.1	3087.1	2765.9	2579.8	2510.2
6°	3263.1	3023.7	2620.7	2424.3	2319.9
7°	3269.2	2954.1	2489.7	2279.0	2197.2
8°	3267.1	2872.3	2369.0	2168.5	2078.5
9°	3273.3	2792.5	2238.1	2064.2	1996.7
10°	3267.1	2718.9	2152.2	1966.0	1896.5
11°	3267.1	2647.3	2090.8	1902.6	1843.3
12°	3271.2	2565.4	2023.3	1812.6	1730.7
13°	3281.5	2481.6	1945.6	1714.4	1618.2
14°	3283.5	2418.1	1874.0	1589.6	1489.3
15°	3275.3	2358.8	1798.3	1477.1	1358.4
16°	3271.2	2297.4	1708.2	1370.7	1264.3
17°	3279.4	2225.8	1606.0	1262.3	1164.1
18°	3281.5	2160.4	1497.5	1180.4	1094.5
19°	3281.5	2109.2	1409.6	1104.7	1031.1
20°	3281.5	2060.1	1319.5	1047.5	984.0
21°	3277.4	1998.7	1217.3	988.1	934.9
22.5°	3279.4	1884.2	1100.6	918.6	875.6
23°	3273.3	1855.5	1072.0	900.2	855.1
24°	3275.3	1773.7	1010.6	863.3	820.4
25°	3277.4	1669.4	951.3	826.5	787.6
26°	3273.3	1585.5	902.2	791.7	765.1
27°	3263.1	1518.0	867.4	763.1	738.5
28°	3248.7	1428.0	830.6	738.5	716.0
29°	3234.4	1325.7	793.8	711.9	695.6
30°	3226.2	1243.8	759.0	691.5	677.2
32.5°	3177.1	1082.2	687.4	650.6	638.3
35°	3085.1	928.8	636.2	615.8	607.6
37.5°	2964.4	810.1	597.4	593.3	595.3
40°	2765.9	716.0	568.7	587.1	605.6
42.5°	2528.6	642.4	548.3	593.3	613.7
45°	2229.9	587.1	536.0	593.3	613.7
47.5°	1898.5	542.1	521.7	572.8	593.3
50°	1567.1	501.2	493.0	542.1	560.5
52.5°	1274.5	462.4	456.2	503.3	521.7
55°	1022.9	419.4	413.3	464.4	482.8
57.5°	820.4	378.5	372.3	419.4	437.8
60°	654.7	337.6	327.3	374.4	392.8
62.5°	521.7	298.7	292.5	333.5	349.8
65°	409.2	263.9	259.8	296.6	306.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	323.2	231.2	233.2	263.9	276.2
70°	249.6	200.5	212.8	241.4	249.6
72.5°	188.2	169.8	196.4	220.9	231.2
75°	139.1	143.2	180.0	206.6	216.9
77.5°	96.2	118.7	165.7	194.4	204.6
80°	65.5	96.2	151.4	184.1	196.4
82.5°	38.9	79.8	139.1	173.9	188.2
85°	18.4	65.5	126.8	165.7	178.0
87.5°	6.1	53.2	114.6	157.5	167.8
90°	0.0	45.0	106.4	147.3	153.4
92.5°	0.0	38.9	96.2	135.0	139.1
95°	0.0	32.7	88.0	120.7	126.8
97.5°	0.0	30.7	81.8	108.4	116.6
100°	0.0	28.6	73.6	98.2	106.4
102.5°	0.0	24.5	65.5	88.0	96.2
105°	0.0	24.5	57.3	81.8	88.0
107.5°	2.0	22.5	53.2	73.6	81.8
110°	2.0	22.5	47.1	69.6	75.7
112.5°	2.0	22.5	45.0	63.4	71.6
115°	2.0	20.5	43.0	59.3	63.4
117.5°	2.0	20.5	40.9	53.2	57.3
120°	2.0	18.4	38.9	49.1	51.1
122.5°	2.0	18.4	36.8	45.0	47.1
125°	2.0	18.4	36.8	43.0	45.0
127.5°	2.0	16.4	34.8	40.9	40.9
130°	2.0	16.4	32.7	38.9	38.9
132.5°	2.0	14.3	30.7	36.8	38.9
135°	2.0	14.3	28.6	34.8	36.8
137.5°	2.0	12.3	26.6	32.7	34.8
140°	2.0	12.3	24.5	30.7	32.7
142.5°	2.0	10.2	22.5	28.6	30.7
145°	2.0	10.2	20.5	26.6	28.6
147.5°	2.0	10.2	18.4	24.5	26.6
150°	2.0	8.2	16.4	22.5	24.5
152.5°	2.0	8.2	14.3	20.5	22.5
155°	2.0	6.1	12.3	18.4	20.5
157.5°	2.0	6.1	12.3	16.4	18.4
160°	4.1	6.1	10.2	14.3	16.4
162.5°	2.0	4.1	10.2	12.3	14.3
165°	4.1	4.1	8.2	10.2	12.3
167.5°	4.1	4.1	6.1	8.2	10.2
170°	4.1	4.1	6.1	6.1	8.2
172.5°	4.1	4.1	4.1	6.1	4.1
175°	4.1	4.1	4.1	4.1	2.0
177.5°	4.1	4.1	4.1	4.1	2.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	4.1	4.1	4.1	4.1	4.1

(END OF REPORT)