

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: P567795

Luminaire Tested: **8SNX-44SL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567795  
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-L835-CD  
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

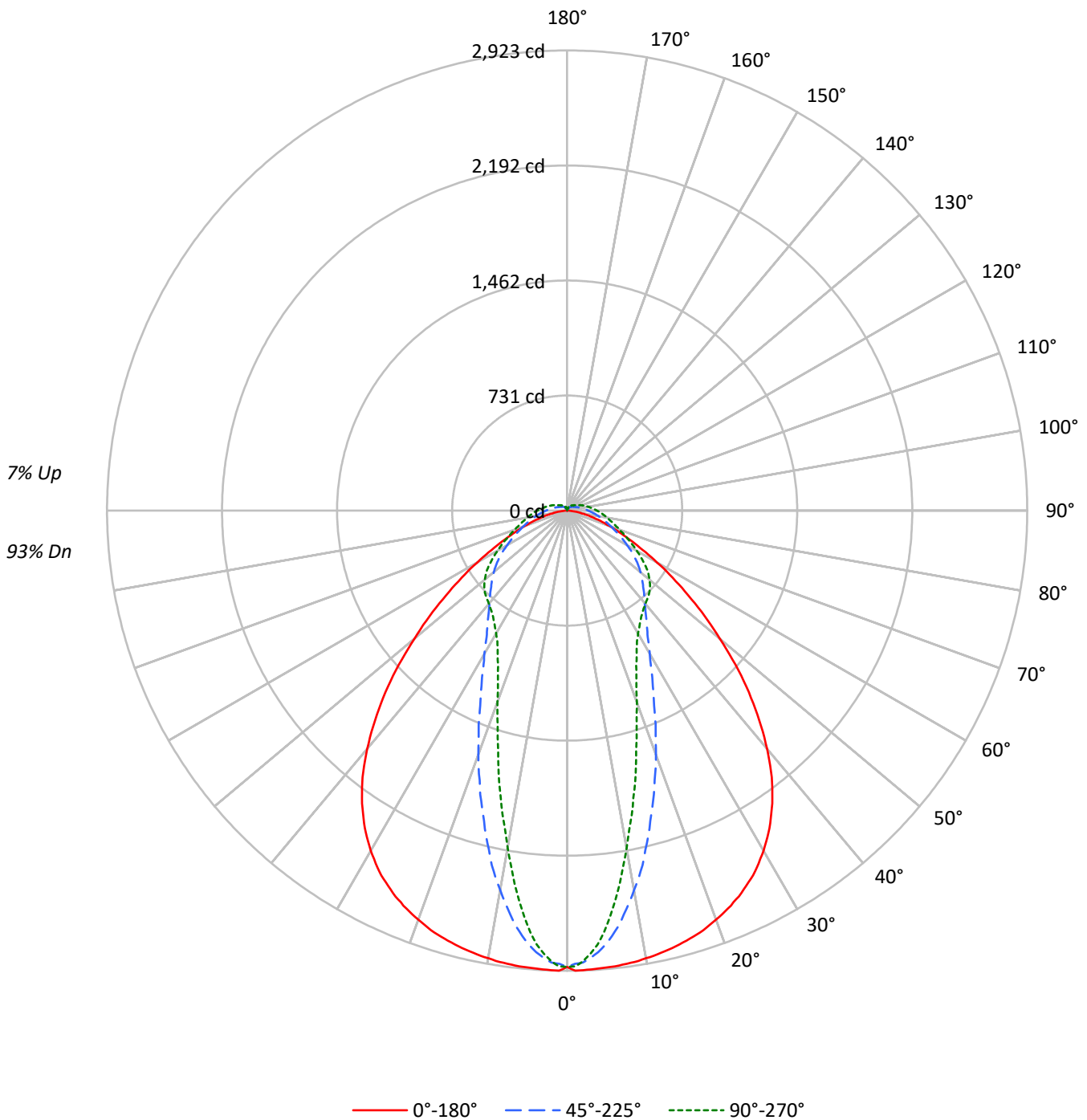
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4621.0 lumens  
Efficiency: N/A  
Efficacy: 167.4 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 (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	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°	15602	15602	15602
5°	15711	14357	13723
10°	15719	12324	10647
15°	15741	10064	7980
20°	15721	8026	5972
25°	15610	6296	4739
30°	15318	5101	4043
35°	14710	4321	3677
40°	13646	3819	3481
45°	12170	3497	3373
50°	10348	3223	3186
55°	8540	2924	2910
60°	6869	2576	2553
65°	5373	2265	2221
70°	4218	2007	1965
75°	3317	1807	1790
80°	2417	1658	1664
85°	1451	1551	1596



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	256.7	5.6
10°-20°	601.7	13.0
20°-30°	714.3	15.5
30°-40°	718.6	15.6
40°-50°	668.0	14.5
50°-60°	550.1	11.9
60°-70°	387.6	8.4
70°-80°	253.2	5.5
80°-90°	161.7	3.5
90°-100°	106.0	2.3
100°-110°	72.0	1.6
110°-120°	49.3	1.1
120°-130°	34.1	0.7
130°-140°	23.0	0.5
140°-150°	14.1	0.3
150°-160°	7.3	0.2
160°-170°	2.7	0.1
170°-180°	0.5	0.0
0°-30°	1572.7	34.0
0°-40°	2291.4	49.6
0°-60°	3509.5	75.9
0°-90°	4312.0	93.3
90°-120°	227.3	4.9
90°-150°	298.6	6.5
90°-180°	309.0	6.7
0°-180°	4621.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2899	2899	2899	2899	2899	
5°	2913	2875	2770	2717	2688	277
15°	2841	2538	2042	1785	1688	802
25°	2654	1962	1300	1092	1046	1221
35°	2272	1327	882	826	821	1413
45°	1632	874	683	719	739	1253
55°	937	574	528	586	605	846
65°	441	346	363	409	424	447
75°	172	179	245	288	300	186
85°	29	82	165	213	223	37
90°	0	56	133	182	189	2
95°	0	41	111	153	160	0
105°	0	29	75	107	116	0
115°	2	24	53	78	82	2
125°	2	19	44	56	60	2
135°	2	17	34	44	46	2
145°	2	12	24	34	36	2
155°	2	10	17	24	27	1
165°	2	5	10	12	14	1
175°	5	5	5	5	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2898.9	2898.9	2898.9	2898.9	2898.9
1°	2923.1	2911.0	2879.5	2901.3	2896.5
2°	2920.7	2908.6	2872.3	2881.9	2865.0
3°	2918.3	2901.3	2845.6	2843.2	2819.0
4°	2915.8	2889.2	2811.7	2782.6	2763.3
5°	2913.4	2874.7	2770.5	2717.3	2688.2
6°	2911.0	2857.7	2717.3	2637.3	2596.2
7°	2906.2	2831.1	2661.6	2552.6	2499.3
8°	2901.3	2806.9	2591.3	2460.5	2395.2
9°	2896.5	2775.4	2521.1	2361.3	2283.8
10°	2886.8	2743.9	2448.4	2259.5	2177.2
11°	2881.9	2707.6	2378.2	2162.7	2065.8
12°	2872.3	2668.8	2303.1	2060.9	1976.2
13°	2862.6	2627.7	2211.1	1973.8	1872.0
14°	2852.9	2584.1	2131.2	1876.9	1782.4
15°	2840.8	2538.0	2041.6	1784.9	1688.0
16°	2828.7	2484.8	1961.7	1690.4	1588.7
17°	2816.6	2433.9	1886.6	1603.2	1511.2
18°	2802.0	2383.0	1799.4	1518.5	1428.9
19°	2782.6	2324.9	1729.2	1441.0	1358.6
20°	2765.7	2271.6	1649.2	1368.3	1295.7
21°	2746.3	2206.3	1569.3	1300.5	1227.9
22.5°	2717.3	2114.2	1467.6	1215.7	1147.9
23°	2702.7	2087.6	1426.4	1184.3	1126.1
24°	2683.4	2017.4	1358.6	1135.8	1077.7
25°	2654.3	1961.7	1300.5	1092.2	1046.2
26°	2627.7	1893.8	1242.4	1053.5	1007.5
27°	2601.0	1828.5	1191.5	1012.3	973.6
28°	2567.1	1760.6	1135.8	978.4	944.5
29°	2530.8	1697.7	1089.8	949.3	922.7
30°	2494.5	1627.4	1051.1	922.7	900.9
32.5°	2392.7	1472.5	951.8	871.8	857.3
35°	2271.6	1327.1	881.5	825.8	821.0
37.5°	2136.0	1193.9	818.6	789.5	794.3
40°	1976.2	1072.9	765.3	762.9	772.6
42.5°	1806.7	968.7	724.1	741.1	755.6
45°	1632.3	874.3	682.9	719.3	738.6
47.5°	1450.7	791.9	646.6	692.6	714.4
50°	1266.6	712.0	607.9	661.2	682.9
52.5°	1101.9	641.8	569.1	624.8	649.0
55°	937.2	574.0	528.0	586.1	605.4
57.5°	794.3	511.0	484.4	542.5	557.0
60°	661.2	450.5	440.8	494.0	511.0
62.5°	540.1	397.2	399.6	450.5	467.4
65°	440.8	346.3	363.3	409.3	423.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	358.4	297.9	326.9	375.4	387.5
70°	283.4	254.3	297.9	341.5	353.6
72.5°	225.2	215.5	268.8	314.8	324.5
75°	171.9	179.2	244.6	288.2	300.3
77.5°	123.5	150.2	220.4	266.4	276.1
80°	87.2	123.5	201.0	247.0	256.7
82.5°	55.7	101.7	181.6	230.1	239.8
85°	29.1	82.3	164.7	213.1	222.8
87.5°	12.1	67.8	147.7	196.2	205.9
90°	0.0	55.7	133.2	181.6	188.9
92.5°	0.0	48.4	121.1	167.1	174.4
95°	0.0	41.2	111.4	152.6	159.8
97.5°	0.0	38.7	99.3	140.5	147.7
100°	0.0	33.9	89.6	128.4	138.0
102.5°	0.0	31.5	82.3	116.2	125.9
105°	0.0	29.1	75.1	106.6	116.2
107.5°	0.0	26.6	70.2	99.3	106.6
110°	0.0	26.6	63.0	92.0	99.3
112.5°	2.4	24.2	58.1	82.3	89.6
115°	2.4	24.2	53.3	77.5	82.3
117.5°	2.4	24.2	50.9	70.2	75.1
120°	2.4	21.8	48.4	65.4	70.2
122.5°	2.4	21.8	46.0	60.5	63.0
125°	2.4	19.4	43.6	55.7	60.5
127.5°	2.4	19.4	41.2	53.3	55.7
130°	2.4	19.4	38.7	48.4	53.3
132.5°	2.4	17.0	36.3	46.0	48.4
135°	2.4	17.0	33.9	43.6	46.0
137.5°	2.4	14.5	31.5	41.2	43.6
140°	2.4	14.5	29.1	38.7	41.2
142.5°	2.4	12.1	26.6	36.3	38.7
145°	2.4	12.1	24.2	33.9	36.3
147.5°	2.4	12.1	21.8	31.5	33.9
150°	2.4	9.7	19.4	29.1	31.5
152.5°	2.4	9.7	17.0	26.6	29.1
155°	2.4	9.7	17.0	24.2	26.6
157.5°	2.4	7.3	14.5	19.4	24.2
160°	2.4	7.3	12.1	17.0	21.8
162.5°	2.4	7.3	12.1	14.5	17.0
165°	2.4	4.8	9.7	12.1	14.5
167.5°	2.4	4.8	7.3	9.7	12.1
170°	2.4	4.8	7.3	7.3	9.7
172.5°	2.4	4.8	4.8	4.8	4.8
175°	4.8	4.8	4.8	4.8	2.4
177.5°	4.8	4.8	4.8	2.4	2.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)