

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: P567787

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567787  
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-L835-CD  
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

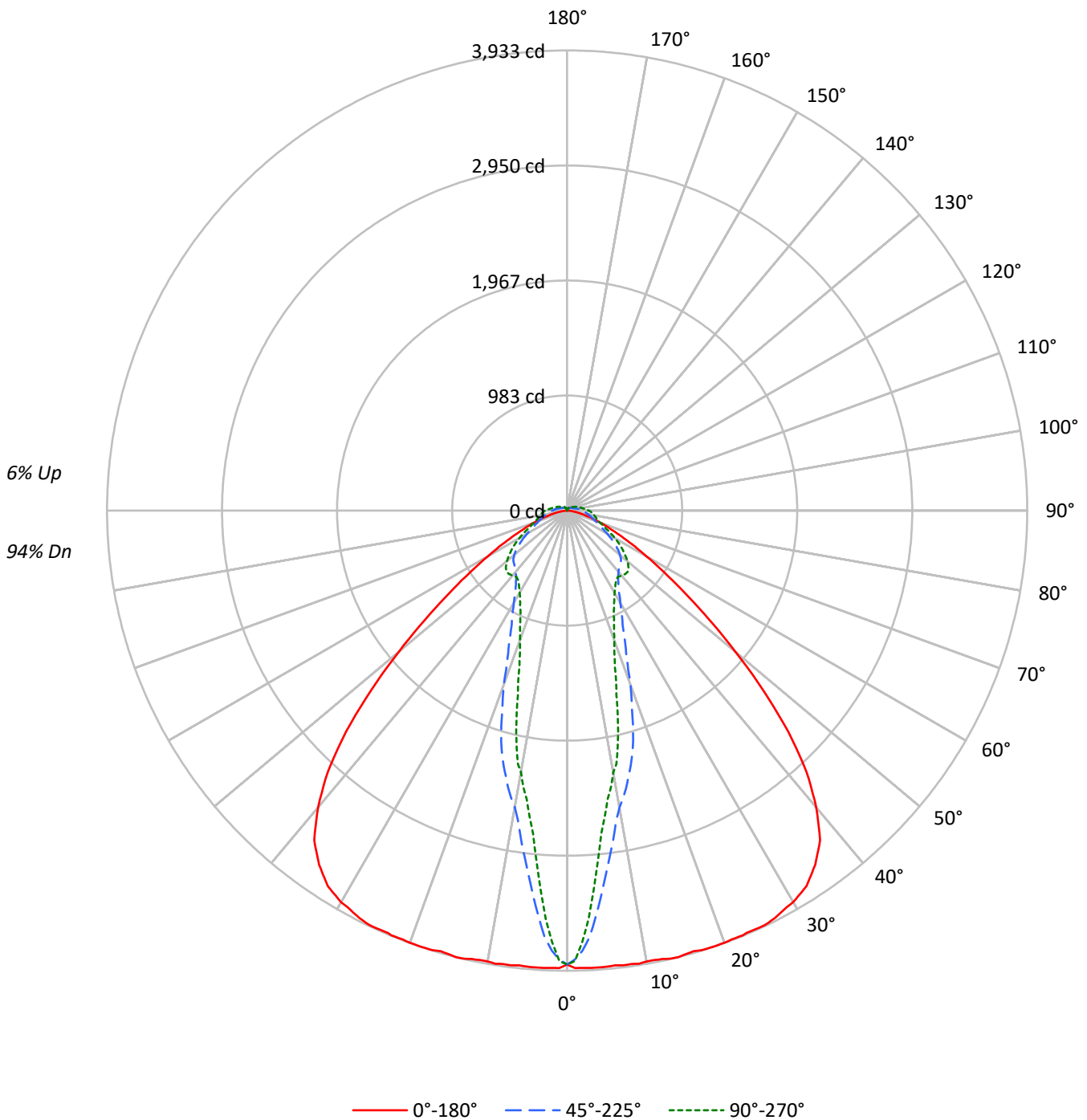
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4782.1 lumens  
Efficiency: N/A  
Efficacy: 173.3 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 (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	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°	20879	20879	20879
5°	21105	17170	15350
10°	21310	12977	11109
15°	21740	10619	7692
20°	22344	7692	5433
25°	23090	5517	4274
30°	23732	4412	3640
35°	23932	3736	3260
40°	22878	3400	3268
45°	19916	3288	3357
50°	15337	3131	3133
55°	11165	2741	2780
60°	8147	2291	2350
65°	5974	1940	1927
70°	4450	1717	1662
75°	3214	1594	1549
80°	2173	1496	1525
85°	1102	1431	1527



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	305.1	6.4
10°-20°	662.5	13.9
20°-30°	758.3	15.9
30°-40°	759.7	15.9
40°-50°	719.1	15.0
50°-60°	551.5	11.5
60°-70°	355.5	7.4
70°-80°	226.7	4.7
80°-90°	150.5	3.1
90°-100°	101.2	2.1
100°-110°	66.7	1.4
110°-120°	46.4	1.0
120°-130°	32.4	0.7
130°-140°	22.5	0.5
140°-150°	13.8	0.3
150°-160°	7.0	0.1
160°-170°	2.7	0.1
170°-180°	0.5	0.0
0°-30°	1725.9	36.1
0°-40°	2485.6	52.0
0°-60°	3756.3	78.5
0°-90°	4489.0	93.9
90°-120°	214.3	4.5
90°-150°	282.9	5.9
90°-180°	293.0	6.1
0°-180°	4782.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3879	3879	3879	3879	3879	
5°	3914	3698	3313	3090	3007	374
15°	3924	2826	2154	1769	1627	1113
25°	3926	2000	1140	990	944	1810
35°	3696	1113	762	738	728	2293
45°	2671	703	642	711	735	2031
55°	1225	502	495	556	578	1127
65°	490	316	311	355	368	504
75°	167	172	216	248	260	183
85°	22	78	152	198	213	30
90°	0	54	127	176	184	1
95°	0	39	105	145	152	0
105°	0	29	69	98	105	2
115°	2	24	52	71	76	2
125°	2	22	44	52	54	2
135°	2	17	34	42	44	2
145°	2	12	24	32	34	2
155°	2	7	15	22	24	1
165°	5	5	10	12	15	1
175°	5	5	5	5	2	0
180°	5	5	5	5	5	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3879.4	3879.4	3879.4	3879.4	3879.4
1°	3911.2	3889.2	3837.7	3852.4	3850.0
2°	3911.2	3864.7	3764.2	3734.8	3690.7
3°	3913.7	3823.0	3651.5	3555.9	3494.6
4°	3913.7	3761.8	3484.8	3325.5	3247.1
5°	3913.7	3698.0	3313.3	3090.3	3007.0
6°	3908.8	3622.1	3139.3	2904.0	2779.0
7°	3916.2	3538.7	2982.4	2730.0	2632.0
8°	3913.7	3440.7	2837.9	2597.7	2489.9
9°	3921.1	3345.1	2681.0	2472.7	2391.8
10°	3913.7	3256.9	2578.1	2355.1	2271.8
11°	3913.7	3171.2	2504.6	2279.1	2208.0
12°	3918.6	3073.1	2423.7	2171.3	2073.3
13°	3930.9	2972.6	2330.6	2053.7	1938.5
14°	3933.3	2896.7	2244.8	1904.2	1784.1
15°	3923.5	2825.6	2154.1	1769.4	1627.2
16°	3918.6	2752.1	2046.3	1641.9	1514.5
17°	3928.4	2666.3	1923.8	1512.1	1394.4
18°	3930.9	2587.9	1793.9	1414.0	1311.1
19°	3930.9	2526.6	1688.5	1323.4	1235.1
20°	3930.9	2467.8	1580.7	1254.7	1178.8
21°	3926.0	2394.3	1458.1	1183.7	1120.0
22.5°	3928.4	2257.1	1318.5	1100.3	1048.9
23°	3921.1	2222.7	1284.1	1078.3	1024.4
24°	3923.5	2124.7	1210.6	1034.2	982.7
25°	3926.0	1999.7	1139.6	990.1	943.5
26°	3921.1	1899.3	1080.7	948.4	916.5
27°	3908.8	1818.4	1039.1	914.1	884.7
28°	3891.6	1710.6	995.0	884.7	857.7
29°	3874.5	1588.0	950.9	852.8	833.2
30°	3864.7	1490.0	909.2	828.3	811.2
32.5°	3805.9	1296.4	823.4	779.3	764.6
35°	3695.6	1112.6	762.2	737.6	727.8
37.5°	3551.0	970.5	715.6	710.7	713.1
40°	3313.3	857.7	681.3	703.3	725.4
42.5°	3029.0	769.5	656.8	710.7	735.2
45°	2671.2	703.3	642.1	710.7	735.2
47.5°	2274.2	649.4	624.9	686.2	710.7
50°	1877.2	600.4	590.6	649.4	671.5
52.5°	1526.8	553.8	546.5	602.9	624.9
55°	1225.3	502.4	495.0	556.3	578.4
57.5°	982.7	453.4	446.0	502.4	524.4
60°	784.2	404.4	392.1	448.5	470.5
62.5°	624.9	357.8	350.4	399.5	419.1
65°	490.1	316.1	311.2	355.3	367.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	387.2	276.9	279.4	316.1	330.8
70°	299.0	240.2	254.9	289.2	299.0
72.5°	225.5	203.4	235.3	264.7	276.9
75°	166.6	171.5	215.7	247.5	259.8
77.5°	115.2	142.1	198.5	232.8	245.1
80°	78.4	115.2	181.3	220.6	235.3
82.5°	46.6	95.6	166.6	208.3	225.5
85°	22.1	78.4	151.9	198.5	213.2
87.5°	7.4	63.7	137.2	188.7	201.0
90°	0.0	53.9	127.4	176.4	183.8
92.5°	0.0	46.6	115.2	161.7	166.6
95°	0.0	39.2	105.4	144.6	151.9
97.5°	0.0	36.8	98.0	129.9	139.7
100°	0.0	34.3	88.2	117.6	127.4
102.5°	0.0	29.4	78.4	105.4	115.2
105°	0.0	29.4	68.6	98.0	105.4
107.5°	2.5	27.0	63.7	88.2	98.0
110°	2.5	27.0	56.4	83.3	90.7
112.5°	2.5	27.0	53.9	76.0	85.8
115°	2.5	24.5	51.5	71.1	76.0
117.5°	2.5	24.5	49.0	63.7	68.6
120°	2.5	22.1	46.6	58.8	61.3
122.5°	2.5	22.1	44.1	53.9	56.4
125°	2.5	22.1	44.1	51.5	53.9
127.5°	2.5	19.6	41.7	49.0	49.0
130°	2.5	19.6	39.2	46.6	46.6
132.5°	2.5	17.2	36.8	44.1	46.6
135°	2.5	17.2	34.3	41.7	44.1
137.5°	2.5	14.7	31.9	39.2	41.7
140°	2.5	14.7	29.4	36.8	39.2
142.5°	2.5	12.3	27.0	34.3	36.8
145°	2.5	12.3	24.5	31.9	34.3
147.5°	2.5	12.3	22.1	29.4	31.9
150°	2.5	9.8	19.6	27.0	29.4
152.5°	2.5	9.8	17.2	24.5	27.0
155°	2.5	7.4	14.7	22.1	24.5
157.5°	2.5	7.4	14.7	19.6	22.1
160°	4.9	7.4	12.3	17.2	19.6
162.5°	2.5	4.9	12.3	14.7	17.2
165°	4.9	4.9	9.8	12.3	14.7
167.5°	4.9	4.9	7.4	9.8	12.3
170°	4.9	4.9	7.4	7.4	9.8
172.5°	4.9	4.9	4.9	7.4	4.9
175°	4.9	4.9	4.9	4.9	2.5
177.5°	4.9	4.9	4.9	4.9	2.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	4.9	4.9	4.9	4.9	4.9

(END OF REPORT)