

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: P567786

Luminaire Tested: **8SNX-44SL-LC-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567786
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-L830-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

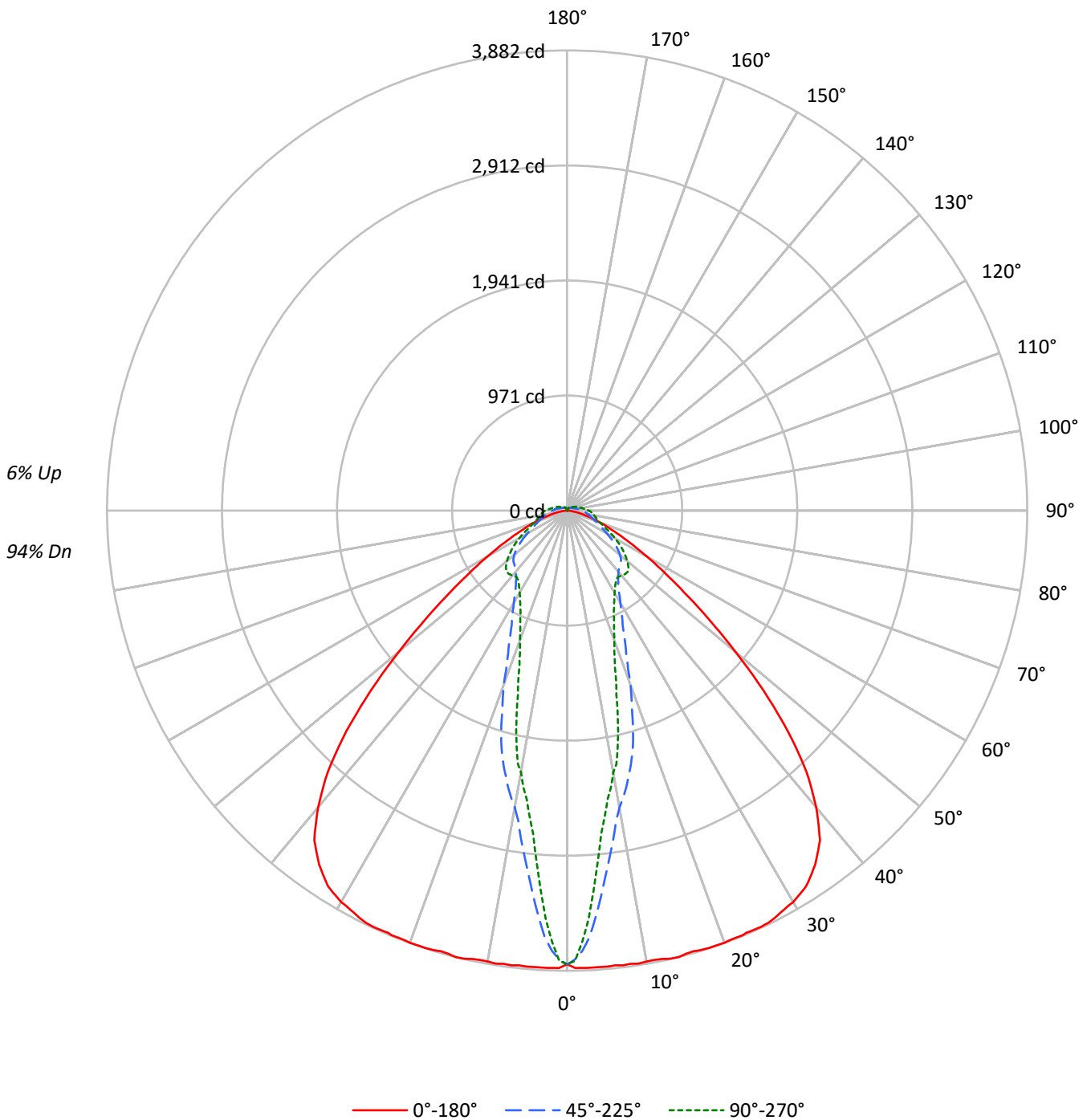
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4719.0 lumens
Efficiency: N/A
Efficacy: 171.0 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_{in}): 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°	20604	20604	20604
5°	20827	16943	15147
10°	21029	12806	10963
15°	21453	10479	7591
20°	22050	7590	5361
25°	22785	5444	4218
30°	23419	4354	3592
35°	23616	3687	3217
40°	22576	3355	3225
45°	19654	3245	3313
50°	15135	3090	3092
55°	11018	2705	2743
60°	8040	2261	2319
65°	5896	1915	1902
70°	4391	1694	1639
75°	3172	1572	1528
80°	2145	1477	1505
85°	1087	1412	1507



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	301.1	6.4
10°-20°	653.8	13.9
20°-30°	748.3	15.9
30°-40°	749.7	15.9
40°-50°	709.7	15.0
50°-60°	544.3	11.5
60°-70°	350.8	7.4
70°-80°	223.7	4.7
80°-90°	148.6	3.1
90°-100°	99.9	2.1
100°-110°	65.8	1.4
110°-120°	45.8	1.0
120°-130°	31.9	0.7
130°-140°	22.2	0.5
140°-150°	13.6	0.3
150°-160°	6.9	0.1
160°-170°	2.6	0.1
170°-180°	0.5	0.0
0°-30°	1703.2	36.1
0°-40°	2452.9	52.0
0°-60°	3706.8	78.6
0°-90°	4429.9	93.9
90°-120°	211.4	4.5
90°-150°	279.1	5.9
90°-180°	289.0	6.1
0°-180°	4719.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3828	3828	3828	3828	3828	
5°	3862	3649	3270	3050	2967	369
15°	3872	2788	2126	1746	1606	1098
25°	3874	1973	1124	977	931	1786
35°	3647	1098	752	728	718	2263
45°	2636	694	634	701	726	2004
55°	1209	496	488	549	571	1112
65°	484	312	307	351	363	498
75°	164	169	213	244	256	181
85°	22	77	150	196	210	30
90°	0	53	126	174	181	1
95°	0	39	104	143	150	0
105°	0	29	68	97	104	2
115°	2	24	51	70	75	2
125°	2	22	44	51	53	2
135°	2	17	34	41	44	2
145°	2	12	24	31	34	2
155°	2	7	14	22	24	1
165°	5	5	10	12	14	1
175°	5	5	5	5	2	0
180°	5	5	5	5	5	



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CATALOG NUMBER: 8SNX-44SL-LC-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3828.3	3828.3	3828.3	3828.3	3828.3
1°	3859.7	3838.0	3787.2	3801.7	3799.3
2°	3859.7	3813.8	3714.6	3685.6	3642.1
3°	3862.1	3772.7	3603.4	3509.1	3448.6
4°	3862.1	3712.2	3438.9	3281.7	3204.3
5°	3862.1	3649.3	3269.6	3049.6	2967.3
6°	3857.3	3574.4	3097.9	2865.8	2742.4
7°	3864.6	3492.1	2943.2	2694.1	2597.3
8°	3862.1	3395.4	2800.5	2563.5	2457.1
9°	3869.4	3301.1	2645.7	2440.1	2360.3
10°	3862.1	3214.0	2544.1	2324.1	2241.8
11°	3862.1	3129.4	2471.6	2249.1	2179.0
12°	3867.0	3032.6	2391.8	2142.7	2045.9
13°	3879.1	2933.5	2299.9	2026.6	1912.9
14°	3881.5	2858.5	2215.2	1879.1	1760.6
15°	3871.8	2788.4	2125.7	1746.1	1605.8
16°	3867.0	2715.8	2019.3	1620.3	1494.6
17°	3876.6	2631.2	1898.4	1492.1	1376.1
18°	3879.1	2553.8	1770.2	1395.4	1293.8
19°	3879.1	2493.3	1666.3	1305.9	1218.9
20°	3879.1	2435.3	1559.8	1238.2	1163.2
21°	3874.2	2362.7	1438.9	1168.1	1105.2
22.5°	3876.6	2227.3	1301.1	1085.8	1035.1
23°	3869.4	2193.5	1267.2	1064.1	1010.9
24°	3871.8	2096.7	1194.7	1020.6	969.8
25°	3874.2	1973.4	1124.5	977.0	931.1
26°	3869.4	1874.2	1066.5	935.9	904.5
27°	3857.3	1794.4	1025.4	902.1	873.0
28°	3840.4	1688.0	981.9	873.0	846.4
29°	3823.4	1567.1	938.3	841.6	822.2
30°	3813.8	1470.4	897.2	817.4	800.5
32.5°	3755.7	1279.3	812.6	769.0	754.5
35°	3646.9	1097.9	752.1	727.9	718.3
37.5°	3504.2	957.7	706.2	701.3	703.7
40°	3269.6	846.4	672.3	694.1	715.8
42.5°	2989.1	759.4	648.1	701.3	725.5
45°	2636.0	694.1	633.6	701.3	725.5
47.5°	2244.2	640.9	616.7	677.1	701.3
50°	1852.5	592.5	582.8	640.9	662.6
52.5°	1506.6	546.6	539.3	594.9	616.7
55°	1209.2	495.8	488.5	549.0	570.7
57.5°	969.8	447.4	440.1	495.8	517.5
60°	773.9	399.0	386.9	442.6	464.3
62.5°	616.7	353.1	345.8	394.2	413.5
65°	483.7	312.0	307.1	350.7	362.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	382.1	273.3	275.7	312.0	326.5
70°	295.0	237.0	251.5	285.4	295.0
72.5°	222.5	200.7	232.2	261.2	273.3
75°	164.4	169.3	212.8	244.3	256.3
77.5°	113.7	140.3	195.9	229.7	241.8
80°	77.4	113.7	179.0	217.7	232.2
82.5°	45.9	94.3	164.4	205.6	222.5
85°	21.8	77.4	149.9	195.9	210.4
87.5°	7.3	62.9	135.4	186.2	198.3
90°	0.0	53.2	125.8	174.1	181.4
92.5°	0.0	45.9	113.7	159.6	164.4
95°	0.0	38.7	104.0	142.7	149.9
97.5°	0.0	36.3	96.7	128.2	137.8
100°	0.0	33.9	87.1	116.1	125.8
102.5°	0.0	29.0	77.4	104.0	113.7
105°	0.0	29.0	67.7	96.7	104.0
107.5°	2.4	26.6	62.9	87.1	96.7
110°	2.4	26.6	55.6	82.2	89.5
112.5°	2.4	26.6	53.2	75.0	84.6
115°	2.4	24.2	50.8	70.1	75.0
117.5°	2.4	24.2	48.4	62.9	67.7
120°	2.4	21.8	45.9	58.0	60.5
122.5°	2.4	21.8	43.5	53.2	55.6
125°	2.4	21.8	43.5	50.8	53.2
127.5°	2.4	19.3	41.1	48.4	48.4
130°	2.4	19.3	38.7	45.9	45.9
132.5°	2.4	16.9	36.3	43.5	45.9
135°	2.4	16.9	33.9	41.1	43.5
137.5°	2.4	14.5	31.4	38.7	41.1
140°	2.4	14.5	29.0	36.3	38.7
142.5°	2.4	12.1	26.6	33.9	36.3
145°	2.4	12.1	24.2	31.4	33.9
147.5°	2.4	12.1	21.8	29.0	31.4
150°	2.4	9.7	19.3	26.6	29.0
152.5°	2.4	9.7	16.9	24.2	26.6
155°	2.4	7.3	14.5	21.8	24.2
157.5°	2.4	7.3	14.5	19.3	21.8
160°	4.8	7.3	12.1	16.9	19.3
162.5°	2.4	4.8	12.1	14.5	16.9
165°	4.8	4.8	9.7	12.1	14.5
167.5°	4.8	4.8	7.3	9.7	12.1
170°	4.8	4.8	7.3	7.3	9.7
172.5°	4.8	4.8	4.8	7.3	4.8
175°	4.8	4.8	4.8	4.8	2.4
177.5°	4.8	4.8	4.8	4.8	2.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.8	4.8	4.8	4.8	4.8

(END OF REPORT)