

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: P567791

Luminaire Tested: **8SNX-44SL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567791
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-L935-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

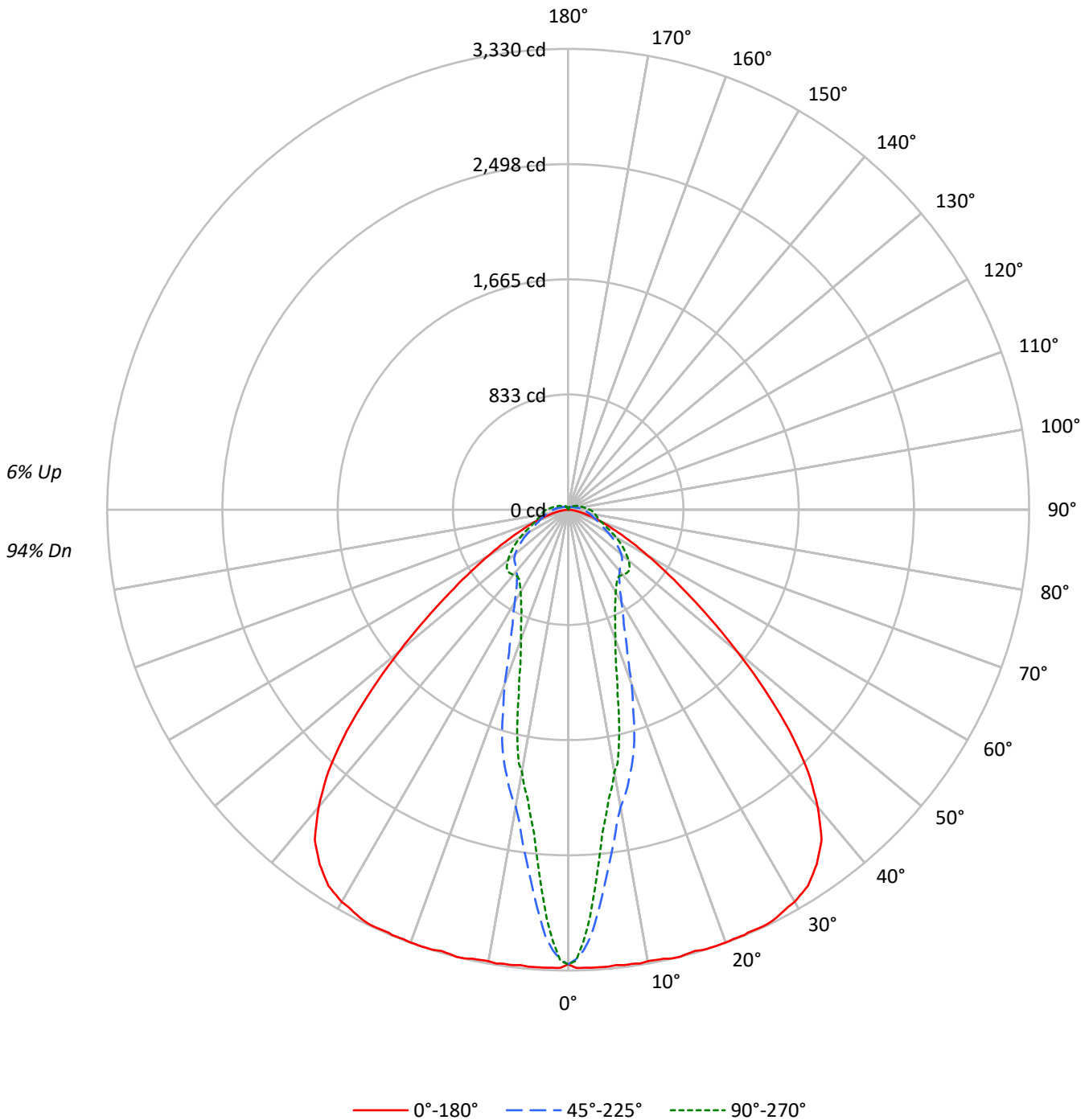
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4049.1 lumens
Efficiency: N/A
Efficacy: 146.7 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°	17678	17678	17678
5°	17870	14538	12997
10°	18044	10988	9406
15°	18407	8991	6513
20°	18919	6513	4600
25°	19550	4671	3619
30°	20094	3735	3082
35°	20263	3163	2761
40°	19371	2879	2767
45°	16864	2785	2843
50°	12986	2651	2653
55°	9454	2322	2354
60°	6898	1940	1990
65°	5059	1643	1632
70°	3769	1454	1407
75°	2722	1349	1312
80°	1841	1267	1291
85°	933	1212	1293



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.3	6.4
10°-20°	560.9	13.9
20°-30°	642.1	15.9
30°-40°	643.2	15.9
40°-50°	608.9	15.0
50°-60°	467.0	11.5
60°-70°	301.0	7.4
70°-80°	192.0	4.7
80°-90°	127.5	3.1
90°-100°	85.7	2.1
100°-110°	56.5	1.4
110°-120°	39.3	1.0
120°-130°	27.4	0.7
130°-140°	19.0	0.5
140°-150°	11.7	0.3
150°-160°	5.9	0.1
160°-170°	2.3	0.1
170°-180°	0.4	0.0
0°-30°	1461.4	36.1
0°-40°	2104.6	52.0
0°-60°	3180.5	78.5
0°-90°	3801.0	93.9
90°-120°	181.4	4.5
90°-150°	239.5	5.9
90°-180°	248.0	6.1
0°-180°	4049.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3285	3285	3285	3285	3285	
5°	3314	3131	2805	2617	2546	316
15°	3322	2392	1824	1498	1378	942
25°	3324	1693	965	838	799	1532
35°	3129	942	645	625	616	1941
45°	2262	596	544	602	622	1720
55°	1038	425	419	471	490	954
65°	415	268	264	301	311	427
75°	141	145	183	210	220	155
85°	19	66	129	168	180	26
90°	0	46	108	149	156	1
95°	0	33	89	122	129	0
105°	0	25	58	83	89	1
115°	2	21	44	60	64	2
125°	2	19	37	44	46	2
135°	2	14	29	35	37	2
145°	2	10	21	27	29	1
155°	2	6	12	19	21	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°	3284.7	3284.7	3284.7	3284.7	3284.7
1°	3311.7	3293.0	3249.5	3261.9	3259.8
2°	3311.7	3272.3	3187.2	3162.3	3125.0
3°	3313.8	3237.0	3091.8	3010.8	2959.0
4°	3313.8	3185.1	2950.7	2815.8	2749.4
5°	3313.8	3131.2	2805.4	2616.6	2546.0
6°	3309.6	3066.9	2658.1	2458.9	2353.1
7°	3315.9	2996.3	2525.3	2311.6	2228.6
8°	3313.8	2913.3	2402.9	2199.5	2108.2
9°	3320.0	2832.4	2270.1	2093.7	2025.2
10°	3313.8	2757.7	2182.9	1994.1	1923.5
11°	3313.8	2685.1	2120.7	1929.8	1869.6
12°	3317.9	2602.1	2052.2	1838.5	1755.5
13°	3328.3	2517.0	1973.3	1738.9	1641.3
14°	3330.4	2452.7	1900.7	1612.3	1510.6
15°	3322.1	2392.5	1823.9	1498.2	1377.8
16°	3317.9	2330.2	1732.6	1390.3	1282.4
17°	3326.2	2257.6	1628.9	1280.3	1180.7
18°	3328.3	2191.2	1518.9	1197.3	1110.1
19°	3328.3	2139.3	1429.7	1120.5	1045.8
20°	3328.3	2089.5	1338.4	1062.4	998.1
21°	3324.2	2027.3	1234.6	1002.2	948.3
22.5°	3326.2	1911.1	1116.4	931.7	888.1
23°	3320.0	1882.0	1087.3	913.0	867.4
24°	3322.1	1799.0	1025.1	875.7	832.1
25°	3324.2	1693.2	964.9	838.3	798.9
26°	3320.0	1608.1	915.1	803.0	776.1
27°	3309.6	1539.7	879.8	774.0	749.1
28°	3295.1	1448.4	842.5	749.1	726.3
29°	3280.6	1344.6	805.1	722.1	705.5
30°	3272.3	1261.6	769.8	701.4	686.8
32.5°	3222.5	1097.7	697.2	659.9	647.4
35°	3129.1	942.1	645.3	624.6	616.3
37.5°	3006.7	821.7	605.9	601.8	603.8
40°	2805.4	726.3	576.9	595.5	614.2
42.5°	2564.7	651.6	556.1	601.8	622.5
45°	2261.8	595.5	543.7	601.8	622.5
47.5°	1925.6	549.9	529.1	581.0	601.8
50°	1589.5	508.4	500.1	549.9	568.6
52.5°	1292.7	469.0	462.7	510.5	529.1
55°	1037.5	425.4	419.2	471.0	489.7
57.5°	832.1	383.9	377.7	425.4	444.1
60°	664.0	342.4	332.0	379.7	398.4
62.5°	529.1	303.0	296.7	338.2	354.8
65°	415.0	267.7	263.5	300.9	311.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	327.9	234.5	236.6	267.7	280.1
70°	253.2	203.4	215.8	244.9	253.2
72.5°	190.9	172.2	199.2	224.1	234.5
75°	141.1	145.3	182.6	209.6	220.0
77.5°	97.5	120.4	168.1	197.1	207.5
80°	66.4	97.5	153.6	186.8	199.2
82.5°	39.4	80.9	141.1	176.4	190.9
85°	18.7	66.4	128.7	168.1	180.5
87.5°	6.2	54.0	116.2	159.8	170.2
90°	0.0	45.7	107.9	149.4	155.6
92.5°	0.0	39.4	97.5	137.0	141.1
95°	0.0	33.2	89.2	122.4	128.7
97.5°	0.0	31.1	83.0	110.0	118.3
100°	0.0	29.1	74.7	99.6	107.9
102.5°	0.0	24.9	66.4	89.2	97.5
105°	0.0	24.9	58.1	83.0	89.2
107.5°	2.1	22.8	54.0	74.7	83.0
110°	2.1	22.8	47.7	70.6	76.8
112.5°	2.1	22.8	45.7	64.3	72.6
115°	2.1	20.8	43.6	60.2	64.3
117.5°	2.1	20.8	41.5	54.0	58.1
120°	2.1	18.7	39.4	49.8	51.9
122.5°	2.1	18.7	37.4	45.7	47.7
125°	2.1	18.7	37.4	43.6	45.7
127.5°	2.1	16.6	35.3	41.5	41.5
130°	2.1	16.6	33.2	39.4	39.4
132.5°	2.1	14.5	31.1	37.4	39.4
135°	2.1	14.5	29.1	35.3	37.4
137.5°	2.1	12.5	27.0	33.2	35.3
140°	2.1	12.5	24.9	31.1	33.2
142.5°	2.1	10.4	22.8	29.1	31.1
145°	2.1	10.4	20.8	27.0	29.1
147.5°	2.1	10.4	18.7	24.9	27.0
150°	2.1	8.3	16.6	22.8	24.9
152.5°	2.1	8.3	14.5	20.8	22.8
155°	2.1	6.2	12.5	18.7	20.8
157.5°	2.1	6.2	12.5	16.6	18.7
160°	4.2	6.2	10.4	14.5	16.6
162.5°	2.1	4.2	10.4	12.5	14.5
165°	4.2	4.2	8.3	10.4	12.5
167.5°	4.2	4.2	6.2	8.3	10.4
170°	4.2	4.2	6.2	6.2	8.3
172.5°	4.2	4.2	4.2	6.2	4.2
175°	4.2	4.2	4.2	4.2	2.1
177.5°	4.2	4.2	4.2	4.2	2.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.2	4.2	4.2	4.2	4.2

(END OF REPORT)