

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: P567215

Luminaire Tested: **8SNX-114SL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567215
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-114SL-LC-UNV-L935-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

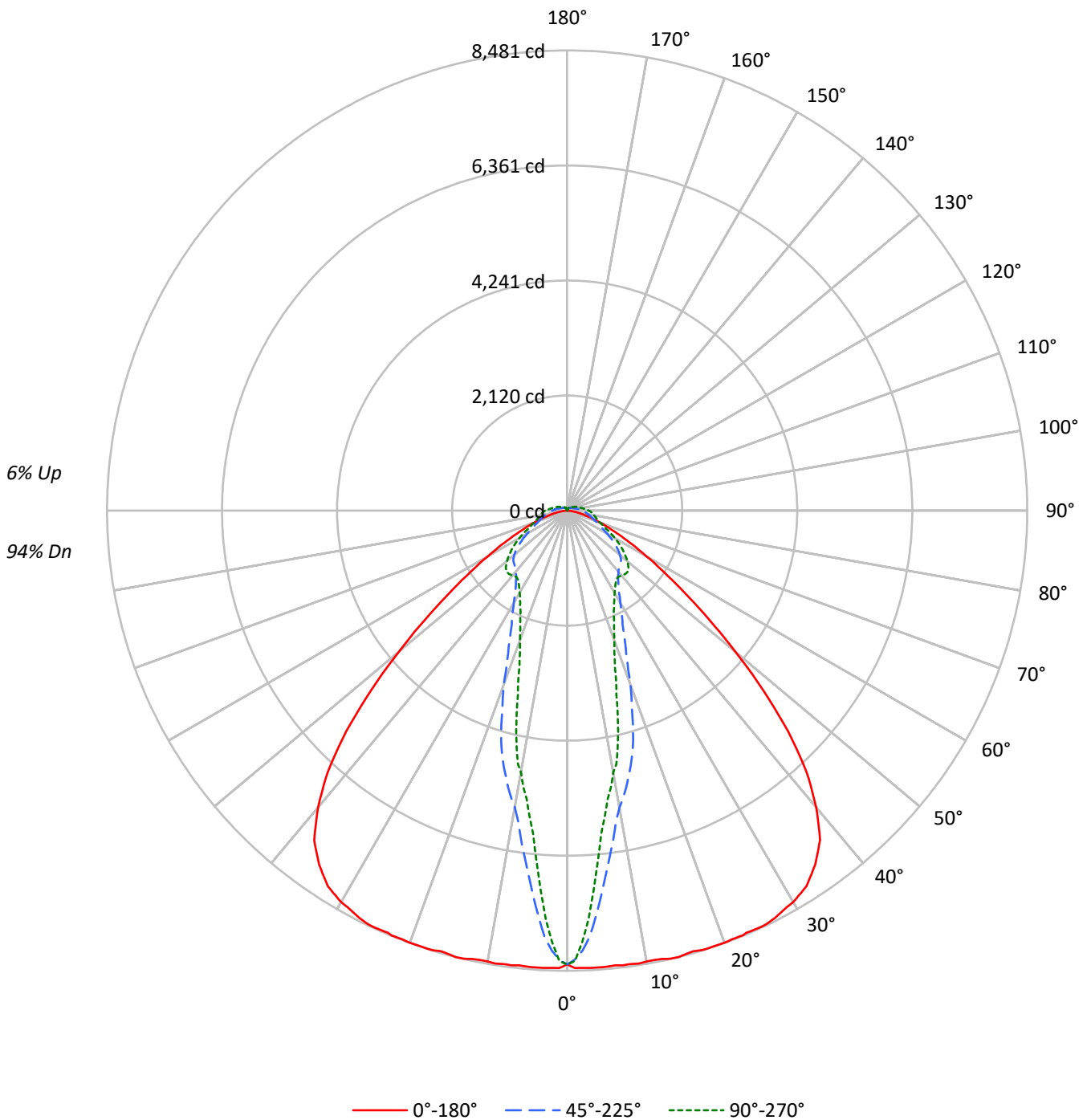
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10311.1 lumens
Efficiency: N/A
Efficacy: 129.9 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): 79.4
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°	45019	45019	45019
5°	45508	37022	33097
10°	45949	27981	23954
15°	46875	22897	16587
20°	48179	16586	11715
25°	49786	11895	9216
30°	51171	9513	7848
35°	51602	8055	7030
40°	49330	7330	7047
45°	42944	7090	7239
50°	33069	6751	6756
55°	24075	5911	5994
60°	17567	4941	5068
65°	12883	4184	4154
70°	9596	3702	3583
75°	6932	3436	3339
80°	4687	3226	3289
85°	2374	3085	3293



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	657.8	6.4
10°-20°	1428.5	13.9
20°-30°	1635.1	15.9
30°-40°	1638.0	15.9
40°-50°	1550.6	15.0
50°-60°	1189.2	11.5
60°-70°	766.5	7.4
70°-80°	488.8	4.7
80°-90°	324.6	3.1
90°-100°	218.2	2.1
100°-110°	143.8	1.4
110°-120°	100.0	1.0
120°-130°	69.8	0.7
130°-140°	48.4	0.5
140°-150°	29.6	0.3
150°-160°	15.0	0.1
160°-170°	5.8	0.1
170°-180°	1.1	0.0
0°-30°	3721.4	36.1
0°-40°	5359.5	52.0
0°-60°	8099.3	78.5
0°-90°	9679.3	93.9
90°-120°	462.0	4.5
90°-150°	609.8	5.9
90°-180°	632.0	6.1
0°-180°	10311.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8365	8365	8365	8365	8365	
5°	8439	7974	7144	6663	6484	806
15°	8460	6093	4645	3815	3509	2400
25°	8465	4312	2457	2135	2034	3902
35°	7968	2399	1643	1590	1569	4944
45°	5760	1516	1384	1532	1585	4379
55°	2642	1083	1067	1200	1247	2430
65°	1057	682	671	766	793	1087
75°	359	370	465	534	560	395
85°	48	169	328	428	460	65
90°	0	116	275	380	396	2
95°	0	84	227	312	328	0
105°	0	63	148	211	227	3
115°	5	53	111	153	164	5
125°	5	48	95	111	116	5
135°	5	37	74	90	95	4
145°	5	26	53	69	74	3
155°	5	16	32	48	53	3
165°	11	11	21	26	32	3
175°	11	11	11	11	5	1
180°	11	11	11	11	11	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8364.8	8364.8	8364.8	8364.8	8364.8
1°	8433.5	8385.9	8275.0	8306.7	8301.4
2°	8433.5	8333.1	8116.4	8053.0	7957.9
3°	8438.8	8243.2	7873.4	7667.3	7535.2
4°	8438.8	8111.1	7514.0	7170.6	7001.5
5°	8438.8	7973.8	7144.1	6663.3	6483.6
6°	8428.2	7809.9	6769.0	6261.7	5992.2
7°	8444.0	7630.3	6430.8	5886.5	5675.2
8°	8438.8	7418.9	6119.0	5601.2	5368.7
9°	8454.6	7212.8	5780.8	5331.7	5157.3
10°	8438.8	7022.6	5558.9	5078.1	4898.4
11°	8438.8	6837.7	5400.4	4914.2	4761.0
12°	8449.3	6626.3	5226.0	4681.7	4470.4
13°	8475.8	6409.7	5025.2	4428.1	4179.7
14°	8481.0	6245.8	4840.3	4105.8	3846.8
15°	8459.9	6092.6	4644.8	3815.1	3508.7
16°	8449.3	5934.1	4412.3	3540.4	3265.6
17°	8470.5	5749.1	4148.0	3260.3	3006.7
18°	8475.8	5580.0	3868.0	3048.9	2827.0
19°	8475.8	5447.9	3640.8	2853.4	2663.2
20°	8475.8	5321.1	3408.3	2705.5	2541.7
21°	8465.2	5162.6	3144.1	2552.2	2414.8
22.5°	8470.5	4866.7	2842.9	2372.6	2261.6
23°	8454.6	4792.7	2768.9	2325.0	2208.8
24°	8459.9	4581.3	2610.4	2229.9	2118.9
25°	8465.2	4311.9	2457.1	2134.8	2034.4
26°	8454.6	4095.2	2330.3	2045.0	1976.3
27°	8428.2	3920.8	2240.5	1971.0	1907.6
28°	8391.2	3688.3	2145.4	1907.6	1849.4
29°	8354.2	3424.1	2050.2	1838.9	1796.6
30°	8333.1	3212.8	1960.4	1786.0	1749.0
32.5°	8206.3	2795.3	1775.5	1680.4	1648.6
35°	7968.5	2399.0	1643.4	1590.5	1569.4
37.5°	7656.7	2092.5	1543.0	1532.4	1537.7
40°	7144.1	1849.4	1469.0	1516.5	1564.1
42.5°	6531.2	1659.2	1416.1	1532.4	1585.2
45°	5759.7	1516.5	1384.4	1532.4	1585.2
47.5°	4903.7	1400.3	1347.5	1479.6	1532.4
50°	4047.6	1294.6	1273.5	1400.3	1447.9
52.5°	3292.0	1194.2	1178.4	1299.9	1347.5
55°	2642.1	1083.2	1067.4	1199.5	1247.1
57.5°	2118.9	977.6	961.7	1083.2	1130.8
60°	1690.9	871.9	845.5	967.0	1014.6
62.5°	1347.5	771.5	755.6	861.3	903.6
65°	1056.8	681.7	671.1	766.2	792.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	834.9	597.1	602.4	681.7	713.4
70°	644.7	517.8	549.5	623.5	644.7
72.5°	486.1	438.6	507.3	570.7	597.1
75°	359.3	369.9	465.0	533.7	560.1
77.5°	248.4	306.5	428.0	502.0	528.4
80°	169.1	248.4	391.0	475.6	507.3
82.5°	100.4	206.1	359.3	449.2	486.1
85°	47.6	169.1	327.6	428.0	459.7
87.5°	15.9	137.4	295.9	406.9	433.3
90°	0.0	116.3	274.8	380.5	396.3
92.5°	0.0	100.4	248.4	348.8	359.3
95°	0.0	84.5	227.2	311.8	327.6
97.5°	0.0	79.3	211.4	280.1	301.2
100°	0.0	74.0	190.2	253.6	274.8
102.5°	0.0	63.4	169.1	227.2	248.4
105°	0.0	63.4	148.0	211.4	227.2
107.5°	5.3	58.1	137.4	190.2	211.4
110°	5.3	58.1	121.5	179.7	195.5
112.5°	5.3	58.1	116.3	163.8	184.9
115°	5.3	52.8	111.0	153.2	163.8
117.5°	5.3	52.8	105.7	137.4	148.0
120°	5.3	47.6	100.4	126.8	132.1
122.5°	5.3	47.6	95.1	116.3	121.5
125°	5.3	47.6	95.1	111.0	116.3
127.5°	5.3	42.3	89.8	105.7	105.7
130°	5.3	42.3	84.5	100.4	100.4
132.5°	5.3	37.0	79.3	95.1	100.4
135°	5.3	37.0	74.0	89.8	95.1
137.5°	5.3	31.7	68.7	84.5	89.8
140°	5.3	31.7	63.4	79.3	84.5
142.5°	5.3	26.4	58.1	74.0	79.3
145°	5.3	26.4	52.8	68.7	74.0
147.5°	5.3	26.4	47.6	63.4	68.7
150°	5.3	21.1	42.3	58.1	63.4
152.5°	5.3	21.1	37.0	52.8	58.1
155°	5.3	15.9	31.7	47.6	52.8
157.5°	5.3	15.9	31.7	42.3	47.6
160°	10.6	15.9	26.4	37.0	42.3
162.5°	5.3	10.6	26.4	31.7	37.0
165°	10.6	10.6	21.1	26.4	31.7
167.5°	10.6	10.6	15.9	21.1	26.4
170°	10.6	10.6	15.9	15.9	21.1
172.5°	10.6	10.6	10.6	15.9	10.6
175°	10.6	10.6	10.6	10.6	5.3
177.5°	10.6	10.6	10.6	10.6	5.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	10.6	10.6	10.6	10.6	10.6

(END OF REPORT)