

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: P567213

Luminaire Tested: **8SNX-114SL-LC-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567213
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-L850-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

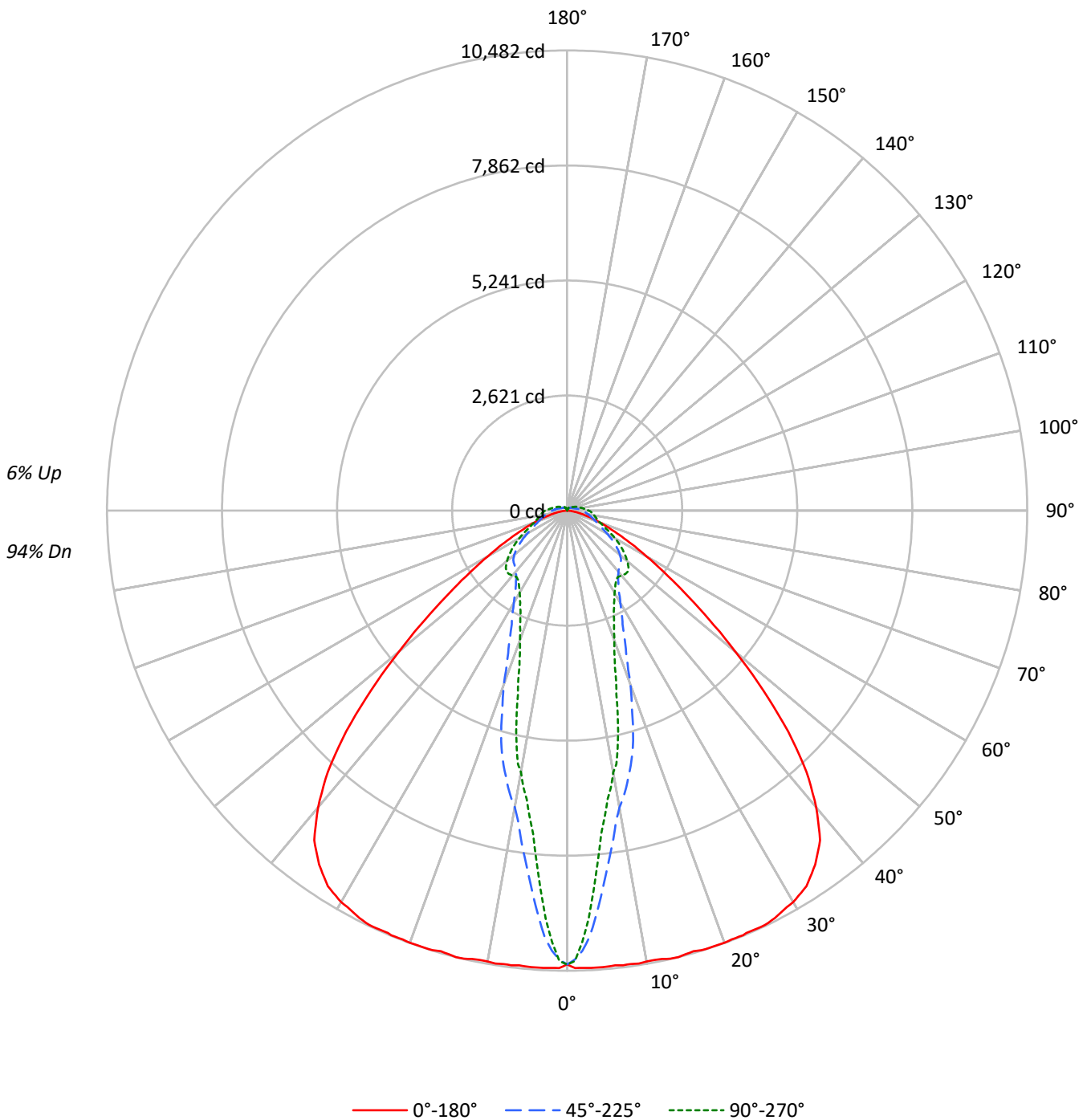
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12744.0 lumens
Efficiency: N/A
Efficacy: 160.5 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°	55642	55642	55642
5°	56246	45758	40907
10°	56791	34583	29606
15°	57936	28300	20501
20°	59547	20499	14479
25°	61533	14701	11390
30°	63245	11758	9701
35°	63777	9956	8688
40°	60970	9060	8710
45°	53077	8763	8948
50°	40872	8344	8349
55°	29755	7306	7408
60°	21712	6106	6264
65°	15923	5171	5134
70°	11859	4576	4428
75°	8569	4246	4127
80°	5793	3987	4065
85°	2933	3813	4070



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	813.1	6.4
10°-20°	1765.6	13.9
20°-30°	2021.0	15.9
30°-40°	2024.6	15.9
40°-50°	1916.5	15.0
50°-60°	1469.8	11.5
60°-70°	947.4	7.4
70°-80°	604.2	4.7
80°-90°	401.2	3.1
90°-100°	269.7	2.1
100°-110°	177.7	1.4
110°-120°	123.6	1.0
120°-130°	86.2	0.7
130°-140°	59.9	0.5
140°-150°	36.6	0.3
150°-160°	18.6	0.1
160°-170°	7.2	0.1
170°-180°	1.4	0.0
0°-30°	4599.6	36.1
0°-40°	6624.1	52.0
0°-60°	10010.4	78.6
0°-90°	11963.2	93.9
90°-120°	571.0	4.5
90°-150°	753.7	5.9
90°-180°	781.0	6.1
0°-180°	12744.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10339	10339	10339	10339	10339	
5°	10430	9855	8830	8236	8014	996
15°	10456	7530	5741	4715	4337	2966
25°	10463	5329	3037	2638	2514	4823
35°	9849	2965	2031	1966	1940	6111
45°	7119	1874	1711	1894	1959	5412
55°	3266	1339	1319	1482	1541	3003
65°	1306	842	829	947	980	1344
75°	444	457	575	660	692	488
85°	59	209	405	529	568	81
90°	0	144	340	470	490	3
95°	0	104	281	385	405	0
105°	0	78	183	261	281	4
115°	6	65	137	189	202	6
125°	6	59	118	137	144	6
135°	6	46	91	111	118	5
145°	6	33	65	85	91	4
155°	6	20	39	59	65	3
165°	13	13	26	33	39	3
175°	13	13	13	13	6	1
180°	13	13	13	13	13	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10338.6	10338.6	10338.6	10338.6	10338.6
1°	10423.5	10364.7	10227.5	10266.7	10260.2
2°	10423.5	10299.4	10031.6	9953.2	9835.7
3°	10430.0	10188.3	9731.2	9476.5	9313.2
4°	10430.0	10025.1	9287.1	8862.5	8653.6
5°	10430.0	9855.3	8829.9	8235.6	8013.5
6°	10416.9	9652.8	8366.2	7739.2	7406.1
7°	10436.5	9430.7	7948.2	7275.5	7014.3
8°	10430.0	9169.5	7562.9	6922.8	6635.5
9°	10449.6	8914.8	7144.9	6589.8	6374.2
10°	10430.0	8679.7	6870.6	6276.3	6054.2
11°	10430.0	8451.1	6674.7	6073.8	5884.4
12°	10443.0	8189.9	6459.1	5786.5	5525.2
13°	10475.7	7922.1	6211.0	5473.0	5166.0
14°	10482.2	7719.6	5982.4	5074.6	4754.6
15°	10456.1	7530.2	5740.7	4715.4	4336.6
16°	10443.0	7334.3	5453.4	4375.8	4036.1
17°	10469.2	7105.7	5126.8	4029.6	3716.1
18°	10475.7	6896.7	4780.7	3768.4	3494.1
19°	10475.7	6733.4	4499.8	3526.7	3291.6
20°	10475.7	6576.7	4212.5	3343.9	3141.4
21°	10462.6	6380.8	3885.9	3154.5	2984.7
22.5°	10469.2	6015.0	3513.7	2932.4	2795.3
23°	10449.6	5923.6	3422.2	2873.6	2730.0
24°	10456.1	5662.4	3226.3	2756.1	2618.9
25°	10462.6	5329.3	3036.9	2638.5	2514.4
26°	10449.6	5061.5	2880.2	2527.5	2442.6
27°	10416.9	4846.0	2769.1	2436.1	2357.7
28°	10371.2	4558.6	2651.6	2357.7	2285.8
29°	10325.5	4232.1	2534.0	2272.8	2220.5
30°	10299.4	3970.8	2423.0	2207.5	2161.8
32.5°	10142.6	3454.9	2194.4	2076.9	2037.7
35°	9848.7	2965.1	2031.1	1965.8	1939.7
37.5°	9463.4	2586.3	1907.0	1894.0	1900.5
40°	8829.9	2285.8	1815.6	1874.4	1933.2
42.5°	8072.3	2050.7	1750.3	1894.0	1959.3
45°	7118.8	1874.4	1711.1	1894.0	1959.3
47.5°	6060.8	1730.7	1665.4	1828.7	1894.0
50°	5002.7	1600.1	1574.0	1730.7	1789.5
52.5°	4068.8	1476.0	1456.4	1606.6	1665.4
55°	3265.5	1338.9	1319.3	1482.5	1541.3
57.5°	2618.9	1208.2	1188.6	1338.9	1397.6
60°	2089.9	1077.6	1045.0	1195.2	1253.9
62.5°	1665.4	953.5	933.9	1064.6	1116.8
65°	1306.2	842.5	829.4	947.0	979.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1031.9	738.0	744.5	842.5	881.7
70°	796.8	640.0	679.2	770.7	796.8
72.5°	600.9	542.1	627.0	705.3	738.0
75°	444.1	457.2	574.7	659.6	692.3
77.5°	307.0	378.8	529.0	620.4	653.1
80°	209.0	307.0	483.3	587.8	627.0
82.5°	124.1	254.7	444.1	555.1	600.9
85°	58.8	209.0	404.9	529.0	568.2
87.5°	19.6	169.8	365.7	502.9	535.5
90°	0.0	143.7	339.6	470.2	489.8
92.5°	0.0	124.1	307.0	431.0	444.1
95°	0.0	104.5	280.8	385.3	404.9
97.5°	0.0	98.0	261.2	346.1	372.3
100°	0.0	91.4	235.1	313.5	339.6
102.5°	0.0	78.4	209.0	280.8	307.0
105°	0.0	78.4	182.9	261.2	280.8
107.5°	6.5	71.8	169.8	235.1	261.2
110°	6.5	71.8	150.2	222.1	241.6
112.5°	6.5	71.8	143.7	202.5	228.6
115°	6.5	65.3	137.2	189.4	202.5
117.5°	6.5	65.3	130.6	169.8	182.9
120°	6.5	58.8	124.1	156.7	163.3
122.5°	6.5	58.8	117.6	143.7	150.2
125°	6.5	58.8	117.6	137.2	143.7
127.5°	6.5	52.2	111.0	130.6	130.6
130°	6.5	52.2	104.5	124.1	124.1
132.5°	6.5	45.7	98.0	117.6	124.1
135°	6.5	45.7	91.4	111.0	117.6
137.5°	6.5	39.2	84.9	104.5	111.0
140°	6.5	39.2	78.4	98.0	104.5
142.5°	6.5	32.7	71.8	91.4	98.0
145°	6.5	32.7	65.3	84.9	91.4
147.5°	6.5	32.7	58.8	78.4	84.9
150°	6.5	26.1	52.2	71.8	78.4
152.5°	6.5	26.1	45.7	65.3	71.8
155°	6.5	19.6	39.2	58.8	65.3
157.5°	6.5	19.6	39.2	52.2	58.8
160°	13.1	19.6	32.7	45.7	52.2
162.5°	6.5	13.1	32.7	39.2	45.7
165°	13.1	13.1	26.1	32.7	39.2
167.5°	13.1	13.1	19.6	26.1	32.7
170°	13.1	13.1	19.6	19.6	26.1
172.5°	13.1	13.1	13.1	19.6	13.1
175°	13.1	13.1	13.1	13.1	6.5
177.5°	13.1	13.1	13.1	13.1	6.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	13.1	13.1	13.1	13.1	13.1

(END OF REPORT)