

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: P567229

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567229
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-114SL-LW-UNV-L850-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

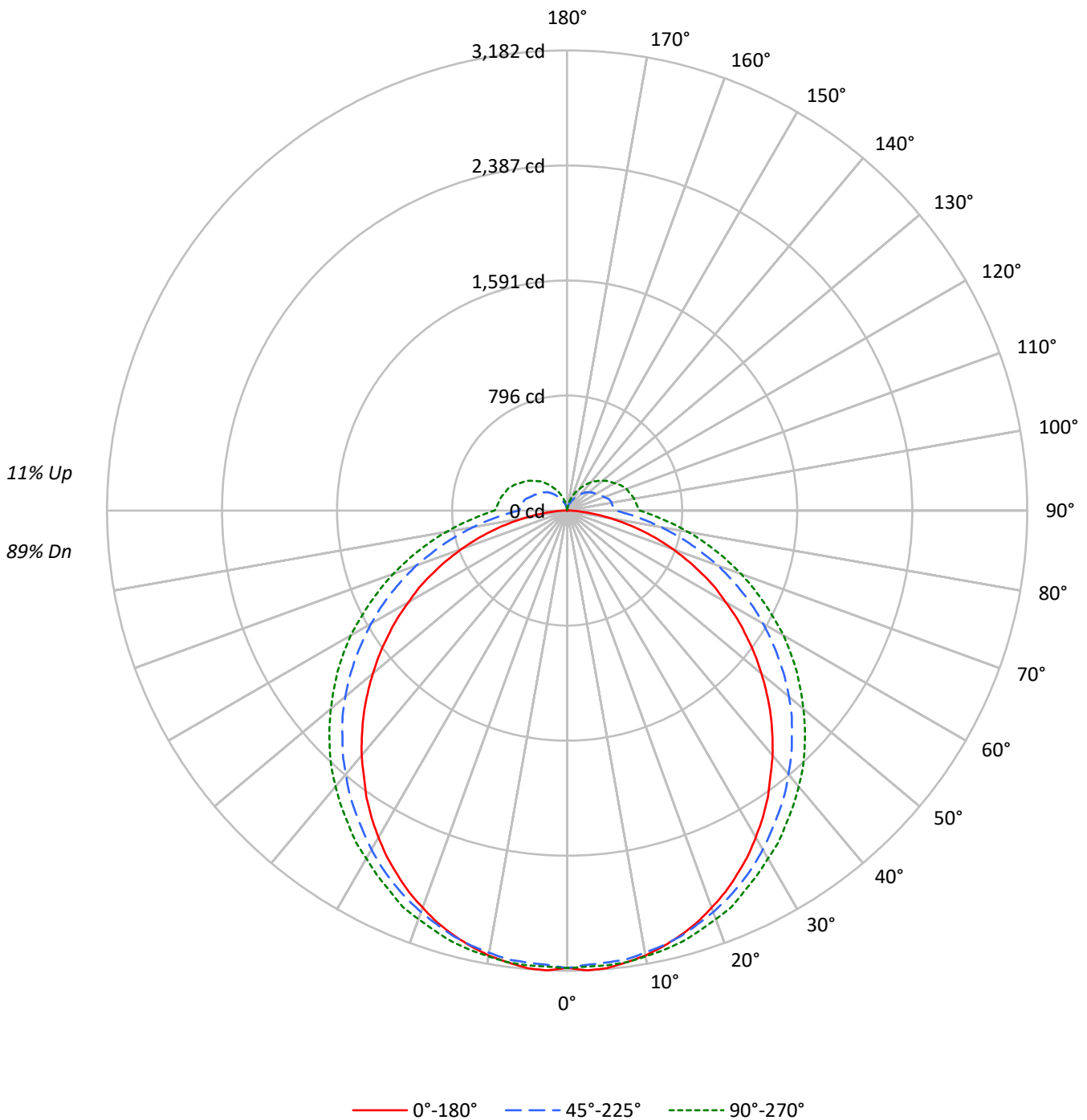
Lumens per Lamp: N/A
Luminaire Lumens: 11260.0 lumens
Efficiency: N/A
Efficacy: 141.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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	0
RCR																		
0	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17023	17023	17023
5°	17127	16256	16113
10°	17009	15626	15308
15°	16839	15014	14582
20°	16608	14377	13856
25°	16339	13765	13147
30°	16019	13133	12467
35°	15668	12499	11830
40°	15265	11878	11224
45°	14831	11256	10603
50°	14333	10614	9950
55°	13787	9896	9310
60°	13144	9146	8633
65°	12482	8335	7862
70°	11551	7469	7103
75°	10318	6457	6298
80°	8316	5434	5496
85°	5855	4484	4672



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	300.4	2.7
10°-20°	863.5	7.7
20°-30°	1313.0	11.7
30°-40°	1593.9	14.2
40°-50°	1684.3	15.0
50°-60°	1576.0	14.0
60°-70°	1293.1	11.5
70°-80°	889.4	7.9
80°-90°	487.1	4.3
90°-100°	313.7	2.8
100°-110°	281.5	2.5
110°-120°	233.0	2.1
120°-130°	179.4	1.6
130°-140°	126.0	1.1
140°-150°	76.0	0.7
150°-160°	36.4	0.3
160°-170°	11.9	0.1
170°-180°	1.4	0.0
0°-30°	2477.0	22.0
0°-40°	4070.8	36.2
0°-60°	7331.1	65.1
0°-90°	10000.8	88.8
90°-120°	828.1	7.4
90°-150°	1209.5	10.7
90°-180°	1259.0	11.2
0°-180°	11260.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3163	3163	3163	3163	3163	
5°	3176	3170	3137	3163	3156	301
15°	3039	3052	3046	3085	3085	857
25°	2778	2811	2843	2902	2902	1280
35°	2420	2478	2550	2622	2641	1511
45°	1989	2080	2198	2296	2322	1533
55°	1513	1637	1787	1898	1937	1354
65°	1024	1161	1337	1461	1500	1014
75°	535	678	874	1011	1056	563
85°	117	280	476	606	652	136
90°	0	156	333	456	502	8
95°	0	150	320	437	483	0
105°	0	124	300	411	450	4
115°	6	111	254	365	411	6
125°	6	91	215	313	352	6
135°	6	72	176	254	287	5
145°	6	52	124	196	215	4
155°	6	33	78	124	144	3
165°	6	20	39	59	72	2
175°	6	6	13	13	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3163.0	3163.0	3163.0	3163.0	3163.0
2.5°	3182.5	3176.0	3143.4	3169.5	3156.4
5°	3176.0	3169.5	3136.9	3163.0	3156.4
7.5°	3149.9	3149.9	3130.4	3156.4	3149.9
10°	3123.8	3123.8	3104.3	3136.9	3130.4
12.5°	3084.7	3091.2	3078.2	3117.3	3110.8
15°	3039.1	3052.1	3045.6	3084.7	3084.7
17.5°	2986.9	2999.9	2999.9	3045.6	3045.6
20°	2921.7	2941.2	2954.3	3006.4	3006.4
22.5°	2856.4	2882.5	2902.1	2947.7	2967.3
25°	2778.2	2810.8	2843.4	2902.1	2902.1
27.5°	2699.9	2739.1	2778.2	2836.9	2843.4
30°	2608.6	2654.3	2706.5	2765.1	2778.2
32.5°	2517.3	2576.0	2628.2	2699.9	2719.5
35°	2419.5	2478.2	2549.9	2621.7	2641.2
37.5°	2308.6	2380.4	2471.7	2549.9	2569.5
40°	2210.8	2289.1	2380.4	2471.7	2491.2
42.5°	2099.9	2184.7	2295.6	2380.4	2413.0
45°	1989.1	2080.4	2197.8	2295.6	2321.7
47.5°	1871.7	1976.0	2106.5	2197.8	2230.4
50°	1754.3	1865.2	2002.1	2106.5	2132.6
52.5°	1636.9	1754.3	1897.8	2002.1	2034.7
55°	1513.0	1636.9	1786.9	1897.8	1936.9
57.5°	1395.6	1519.5	1676.0	1793.4	1832.6
60°	1265.2	1408.7	1565.2	1682.6	1728.2
62.5°	1154.3	1284.7	1454.3	1571.7	1610.8
65°	1023.9	1160.8	1336.9	1460.8	1500.0
67.5°	900.0	1043.5	1219.5	1350.0	1389.1
70°	776.1	919.5	1108.7	1232.6	1278.2
72.5°	652.2	802.2	984.8	1121.7	1167.4
75°	534.8	678.2	873.9	1010.8	1056.5
77.5°	410.9	567.4	763.0	900.0	952.1
80°	300.0	463.0	658.7	795.6	847.8
82.5°	202.2	365.2	560.9	697.8	750.0
85°	117.4	280.4	476.1	606.5	652.2
87.5°	58.7	215.2	397.8	528.2	573.9
90°	0.0	156.5	332.6	456.5	502.2
92.5°	0.0	150.0	326.1	443.5	489.1
95°	0.0	150.0	319.6	436.9	482.6
97.5°	0.0	143.5	313.0	436.9	476.1
100°	0.0	137.0	313.0	430.4	469.6
102.5°	0.0	130.4	306.5	423.9	463.0
105°	0.0	123.9	300.0	410.9	450.0
107.5°	6.5	123.9	286.9	404.3	443.5
110°	6.5	117.4	273.9	397.8	436.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.5	110.9	260.9	384.8	423.9
115°	6.5	110.9	254.3	365.2	410.9
117.5°	6.5	104.3	241.3	352.2	397.8
120°	6.5	104.3	234.8	339.1	378.3
122.5°	6.5	97.8	221.7	326.1	365.2
125°	6.5	91.3	215.2	313.0	352.2
127.5°	6.5	84.8	208.7	300.0	339.1
130°	6.5	78.3	195.6	286.9	319.6
132.5°	6.5	78.3	189.1	267.4	306.5
135°	6.5	71.7	176.1	254.3	286.9
137.5°	6.5	65.2	163.0	241.3	273.9
140°	6.5	58.7	150.0	228.3	254.3
142.5°	6.5	58.7	137.0	208.7	234.8
145°	6.5	52.2	123.9	195.6	215.2
147.5°	6.5	45.7	110.9	176.1	195.6
150°	6.5	45.7	97.8	156.5	176.1
152.5°	6.5	39.1	84.8	143.5	163.0
155°	6.5	32.6	78.3	123.9	143.5
157.5°	6.5	32.6	65.2	104.3	123.9
160°	6.5	26.1	58.7	84.8	104.3
162.5°	6.5	26.1	52.2	71.7	91.3
165°	6.5	19.6	39.1	58.7	71.7
167.5°	6.5	19.6	32.6	45.7	58.7
170°	6.5	13.0	26.1	32.6	45.7
172.5°	6.5	13.0	19.6	19.6	19.6
175°	6.5	6.5	13.0	13.0	6.5
177.5°	6.5	6.5	6.5	6.5	6.5
180°	6.5	6.5	6.5	6.5	6.5

(END OF REPORT)