

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: P567235

Luminaire Tested: **8SNX-114SL-SLW-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567235
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-SLW-UNV-L835-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

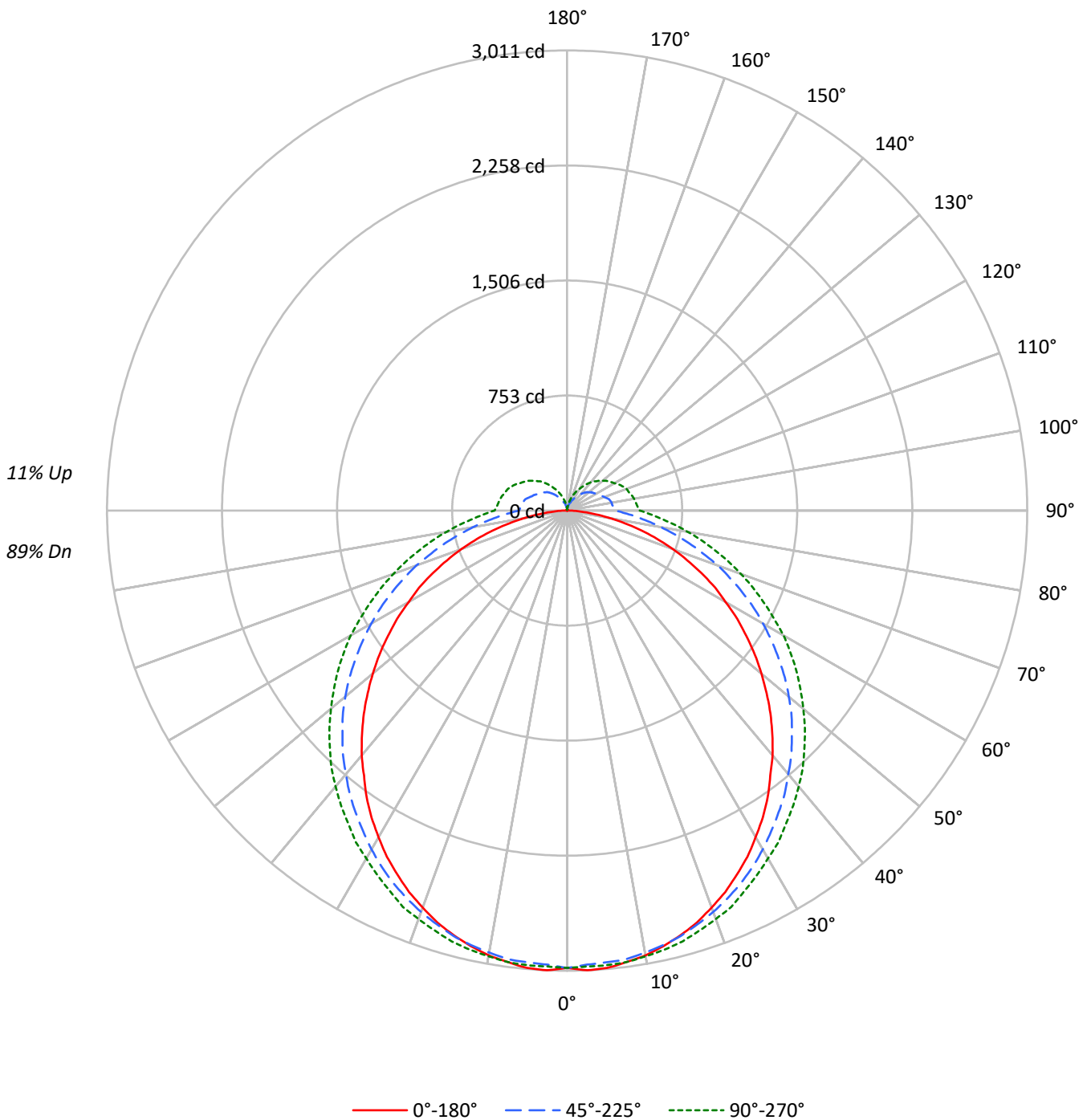
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10652.0 lumens
Efficiency: N/A
Efficacy: 134.2 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: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 79.4
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

TEST NUMBER: P567235
CATALOG NUMBER: 8SNX-114SL-SLW-UNV-L835-CD

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°	16104	16104	16104
5°	16217	15699	15677
10°	16121	15391	15288
15°	15975	15075	14931
20°	15770	14711	14533
25°	15532	14353	14118
30°	15245	13960	13706
35°	14930	13551	13320
40°	14567	13149	12950
45°	14175	12740	12550
50°	13726	12307	12103
55°	13234	11786	11663
60°	12656	11229	11173
65°	12066	10602	10555
70°	11233	9911	9951
75°	10128	9031	9282
80°	8307	8138	8622
85°	6128	7383	7945



TEST NUMBER: P567235

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.2	2.7
10°-20°	816.9	7.7
20°-30°	1242.1	11.7
30°-40°	1507.8	14.2
40°-50°	1593.3	15.0
50°-60°	1490.9	14.0
60°-70°	1223.3	11.5
70°-80°	841.4	7.9
80°-90°	460.8	4.3
90°-100°	296.7	2.8
100°-110°	266.3	2.5
110°-120°	220.4	2.1
120°-130°	169.7	1.6
130°-140°	119.2	1.1
140°-150°	71.9	0.7
150°-160°	34.4	0.3
160°-170°	11.3	0.1
170°-180°	1.3	0.0
0°-30°	2343.2	22.0
0°-40°	3851.0	36.2
0°-60°	6935.2	65.1
0°-90°	9460.8	88.8
90°-120°	783.4	7.4
90°-150°	1144.2	10.7
90°-180°	1191.0	11.2
0°-180°	10652.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2992	2992	2992	2992	2992	
5°	3004	2998	2968	2992	2986	285
15°	2875	2887	2881	2918	2918	811
25°	2628	2659	2690	2745	2745	1211
35°	2289	2344	2412	2480	2499	1430
45°	1882	1968	2079	2172	2196	1450
55°	1431	1548	1690	1795	1832	1281
65°	969	1098	1265	1382	1419	959
75°	506	642	827	956	999	533
85°	111	265	450	574	617	128
90°	0	148	315	432	475	8
95°	0	142	302	413	456	0
105°	0	117	284	389	426	4
115°	6	105	241	346	389	6
125°	6	86	204	296	333	6
135°	6	68	167	241	272	5
145°	6	49	117	185	204	4
155°	6	31	74	117	136	3
165°	6	18	37	56	68	2
175°	6	6	12	12	6	1
180°	6	6	6	6	6	



TEST NUMBER: P567235

CATALOG NUMBER: 8SNX-114SL-SLW-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2992.2	2992.2	2992.2	2992.2	2992.2
2.5°	3010.7	3004.5	2973.7	2998.3	2986.0
5°	3004.5	2998.3	2967.5	2992.2	2986.0
7.5°	2979.8	2979.8	2961.3	2986.0	2979.8
10°	2955.2	2955.2	2936.6	2967.5	2961.3
12.5°	2918.1	2924.3	2912.0	2949.0	2942.8
15°	2875.0	2887.3	2881.1	2918.1	2918.1
17.5°	2825.6	2837.9	2837.9	2881.1	2881.1
20°	2763.9	2782.4	2794.8	2844.1	2844.1
22.5°	2702.2	2726.9	2745.4	2788.6	2807.1
25°	2628.2	2659.0	2689.9	2745.4	2745.4
27.5°	2554.1	2591.2	2628.2	2683.7	2689.9
30°	2467.8	2511.0	2560.3	2615.8	2628.2
32.5°	2381.4	2436.9	2486.3	2554.1	2572.7
35°	2288.9	2344.4	2412.2	2480.1	2498.6
37.5°	2184.0	2251.8	2338.2	2412.2	2430.8
40°	2091.4	2165.5	2251.8	2338.2	2356.7
42.5°	1986.6	2066.8	2171.6	2251.8	2282.7
45°	1881.7	1968.0	2079.1	2171.6	2196.3
47.5°	1770.6	1869.3	1992.7	2079.1	2109.9
50°	1659.6	1764.5	1894.0	1992.7	2017.4
52.5°	1548.5	1659.6	1795.3	1894.0	1924.9
55°	1431.3	1548.5	1690.4	1795.3	1832.3
57.5°	1320.3	1437.5	1585.5	1696.6	1733.6
60°	1196.9	1332.6	1480.7	1591.7	1634.9
62.5°	1092.0	1215.4	1375.8	1486.8	1523.8
65°	968.6	1098.2	1264.7	1382.0	1419.0
67.5°	851.4	987.1	1153.7	1277.1	1314.1
70°	734.2	869.9	1048.8	1166.0	1209.2
72.5°	616.9	758.8	931.6	1061.1	1104.3
75°	505.9	641.6	826.7	956.3	999.4
77.5°	388.7	536.7	721.8	851.4	900.7
80°	283.8	438.0	623.1	752.7	802.0
82.5°	191.3	345.5	530.6	660.1	709.5
85°	111.0	265.3	450.4	573.8	616.9
87.5°	55.5	203.6	376.3	499.7	542.9
90°	0.0	148.1	314.6	431.9	475.0
92.5°	0.0	141.9	308.5	419.5	462.7
95°	0.0	141.9	302.3	413.4	456.5
97.5°	0.0	135.7	296.1	413.4	450.4
100°	0.0	129.6	296.1	407.2	444.2
102.5°	0.0	123.4	290.0	401.0	438.0
105°	0.0	117.2	283.8	388.7	425.7
107.5°	6.2	117.2	271.5	382.5	419.5
110°	6.2	111.0	259.1	376.3	413.4



TEST NUMBER: P567235

CATALOG NUMBER: 8SNX-114SL-SLW-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	6.2	104.9	246.8	364.0	401.0
115°	6.2	104.9	240.6	345.5	388.7
117.5°	6.2	98.7	228.3	333.1	376.3
120°	6.2	98.7	222.1	320.8	357.8
122.5°	6.2	92.5	209.8	308.5	345.5
125°	6.2	86.4	203.6	296.1	333.1
127.5°	6.2	80.2	197.4	283.8	320.8
130°	6.2	74.0	185.1	271.5	302.3
132.5°	6.2	74.0	178.9	252.9	290.0
135°	6.2	67.9	166.6	240.6	271.5
137.5°	6.2	61.7	154.2	228.3	259.1
140°	6.2	55.5	141.9	215.9	240.6
142.5°	6.2	55.5	129.6	197.4	222.1
145°	6.2	49.4	117.2	185.1	203.6
147.5°	6.2	43.2	104.9	166.6	185.1
150°	6.2	43.2	92.5	148.1	166.6
152.5°	6.2	37.0	80.2	135.7	154.2
155°	6.2	30.8	74.0	117.2	135.7
157.5°	6.2	30.8	61.7	98.7	117.2
160°	6.2	24.7	55.5	80.2	98.7
162.5°	6.2	24.7	49.4	67.9	86.4
165°	6.2	18.5	37.0	55.5	67.9
167.5°	6.2	18.5	30.8	43.2	55.5
170°	6.2	12.3	24.7	30.8	43.2
172.5°	6.2	12.3	18.5	18.5	18.5
175°	6.2	6.2	12.3	12.3	6.2
177.5°	6.2	6.2	6.2	6.2	6.2
180°	6.2	6.2	6.2	6.2	6.2

(END OF REPORT)