

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: P567239

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567239
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-L935-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

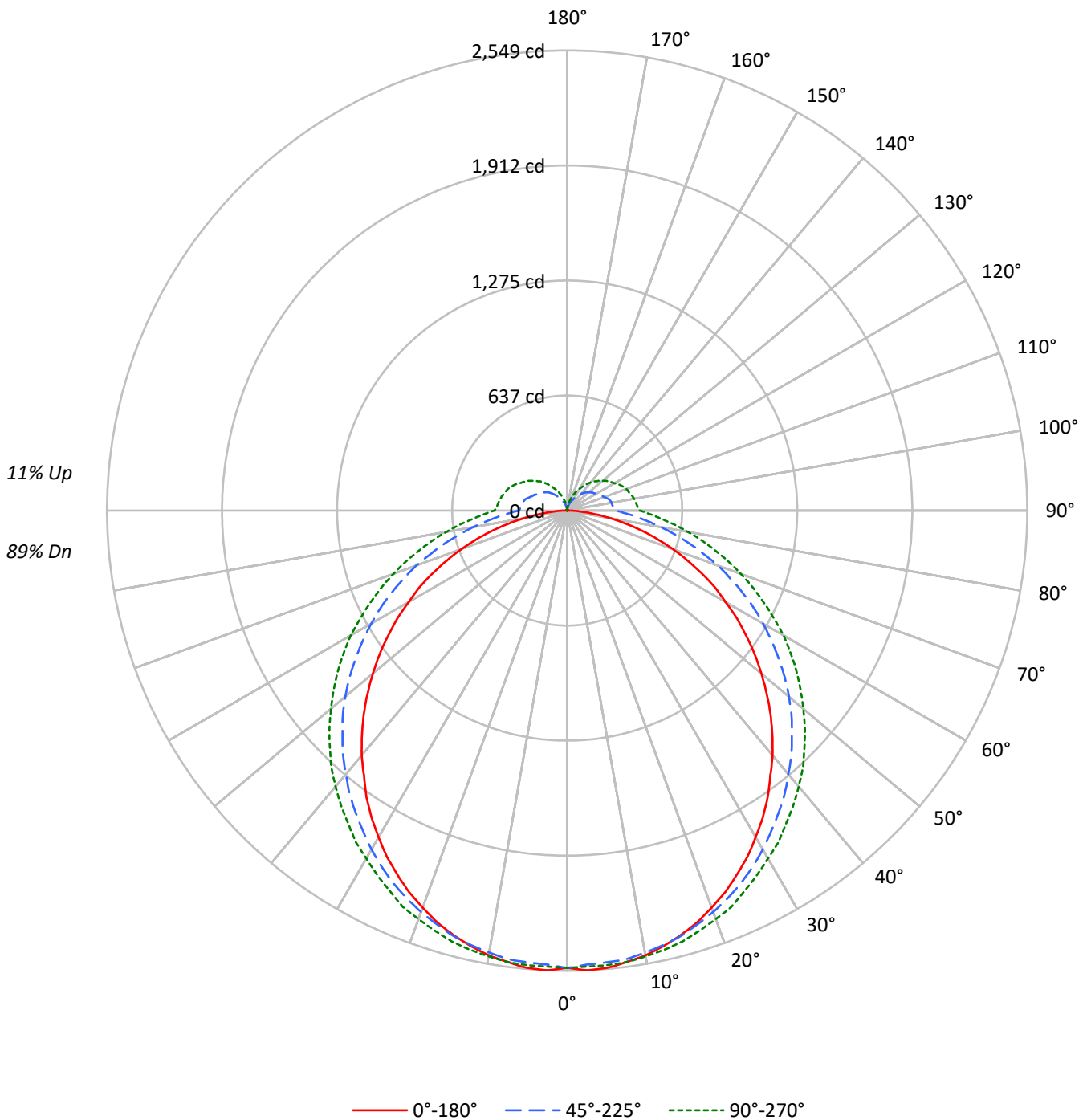
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9018.0 lumens
Efficiency: N/A
Efficacy: 113.6 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 (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°	13634	13634	13634
5°	13729	13291	13272
10°	13647	13031	12944
15°	13524	12763	12641
20°	13351	12454	12304
25°	13149	12151	11952
30°	12906	11819	11603
35°	12640	11473	11276
40°	12332	11132	10963
45°	12000	10786	10625
50°	11620	10420	10246
55°	11204	9978	9874
60°	10715	9506	9459
65°	10215	8975	8936
70°	9509	8391	8424
75°	8574	7646	7858
80°	7034	6890	7300
85°	5189	6250	6727



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	240.6	2.7
10°-20°	691.6	7.7
20°-30°	1051.6	11.7
30°-40°	1276.5	14.2
40°-50°	1348.9	15.0
50°-60°	1262.2	14.0
60°-70°	1035.7	11.5
70°-80°	712.3	7.9
80°-90°	390.1	4.3
90°-100°	251.2	2.8
100°-110°	225.4	2.5
110°-120°	186.6	2.1
120°-130°	143.7	1.6
130°-140°	101.0	1.1
140°-150°	60.8	0.7
150°-160°	29.1	0.3
160°-170°	9.6	0.1
170°-180°	1.1	0.0
0°-30°	1983.8	22.0
0°-40°	3260.3	36.2
0°-60°	5871.4	65.1
0°-90°	8009.5	88.8
90°-120°	663.2	7.4
90°-150°	968.7	10.7
90°-180°	1008.0	11.2
0°-180°	9018.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2533	2533	2533	2533	2533	
5°	2544	2538	2512	2533	2528	241
15°	2434	2444	2439	2470	2470	686
25°	2225	2251	2277	2324	2324	1025
35°	1938	1985	2042	2100	2115	1210
45°	1593	1666	1760	1838	1859	1228
55°	1212	1311	1431	1520	1551	1084
65°	820	930	1071	1170	1201	812
75°	428	543	700	810	846	451
85°	94	225	381	486	522	109
90°	0	125	266	366	402	6
95°	0	120	256	350	386	0
105°	0	99	240	329	360	3
115°	5	89	204	292	329	5
125°	5	73	172	251	282	5
135°	5	58	141	204	230	4
145°	5	42	99	157	172	3
155°	5	26	63	99	115	2
165°	5	16	31	47	58	1
175°	5	5	10	10	5	0
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2533.2	2533.2	2533.2	2533.2	2533.2
2.5°	2548.8	2543.6	2517.5	2538.4	2528.0
5°	2543.6	2538.4	2512.3	2533.2	2528.0
7.5°	2522.7	2522.7	2507.1	2528.0	2522.7
10°	2501.8	2501.8	2486.2	2512.3	2507.1
12.5°	2470.5	2475.7	2465.3	2496.6	2491.4
15°	2433.9	2444.4	2439.2	2470.5	2470.5
17.5°	2392.2	2402.6	2402.6	2439.2	2439.2
20°	2339.9	2355.6	2366.0	2407.8	2407.8
22.5°	2287.7	2308.6	2324.3	2360.8	2376.5
25°	2225.0	2251.1	2277.2	2324.3	2324.3
27.5°	2162.3	2193.7	2225.0	2272.0	2277.2
30°	2089.2	2125.8	2167.6	2214.6	2225.0
32.5°	2016.1	2063.1	2104.9	2162.3	2178.0
35°	1937.8	1984.8	2042.2	2099.7	2115.3
37.5°	1849.0	1906.4	1979.5	2042.2	2057.9
40°	1770.6	1833.3	1906.4	1979.5	1995.2
42.5°	1681.8	1749.7	1838.5	1906.4	1932.5
45°	1593.0	1666.2	1760.2	1838.5	1859.4
47.5°	1499.0	1582.6	1687.0	1760.2	1786.3
50°	1405.0	1493.8	1603.5	1687.0	1707.9
52.5°	1311.0	1405.0	1519.9	1603.5	1629.6
55°	1211.7	1311.0	1431.1	1519.9	1551.2
57.5°	1117.7	1217.0	1342.3	1436.3	1467.7
60°	1013.3	1128.2	1253.5	1347.5	1384.1
62.5°	924.5	1028.9	1164.7	1258.8	1290.1
65°	820.0	929.7	1070.7	1170.0	1201.3
67.5°	720.8	835.7	976.7	1081.2	1112.5
70°	621.5	736.4	887.9	987.2	1023.7
72.5°	522.3	642.4	788.7	898.4	934.9
75°	428.3	543.2	699.9	809.6	846.1
77.5°	329.1	454.4	611.1	720.8	762.6
80°	240.3	370.8	527.5	637.2	679.0
82.5°	161.9	292.5	449.2	558.9	600.7
85°	94.0	224.6	381.3	485.7	522.3
87.5°	47.0	172.4	318.6	423.1	459.6
90°	0.0	125.4	266.4	365.6	402.2
92.5°	0.0	120.1	261.2	355.2	391.7
95°	0.0	120.1	255.9	349.9	386.5
97.5°	0.0	114.9	250.7	349.9	381.3
100°	0.0	109.7	250.7	344.7	376.1
102.5°	0.0	104.5	245.5	339.5	370.8
105°	0.0	99.2	240.3	329.1	360.4
107.5°	5.2	99.2	229.8	323.8	355.2
110°	5.2	94.0	219.4	318.6	349.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.2	88.8	208.9	308.2	339.5
115°	5.2	88.8	203.7	292.5	329.1
117.5°	5.2	83.6	193.3	282.0	318.6
120°	5.2	83.6	188.0	271.6	302.9
122.5°	5.2	78.3	177.6	261.2	292.5
125°	5.2	73.1	172.4	250.7	282.0
127.5°	5.2	67.9	167.1	240.3	271.6
130°	5.2	62.7	156.7	229.8	255.9
132.5°	5.2	62.7	151.5	214.1	245.5
135°	5.2	57.5	141.0	203.7	229.8
137.5°	5.2	52.2	130.6	193.3	219.4
140°	5.2	47.0	120.1	182.8	203.7
142.5°	5.2	47.0	109.7	167.1	188.0
145°	5.2	41.8	99.2	156.7	172.4
147.5°	5.2	36.6	88.8	141.0	156.7
150°	5.2	36.6	78.3	125.4	141.0
152.5°	5.2	31.3	67.9	114.9	130.6
155°	5.2	26.1	62.7	99.2	114.9
157.5°	5.2	26.1	52.2	83.6	99.2
160°	5.2	20.9	47.0	67.9	83.6
162.5°	5.2	20.9	41.8	57.5	73.1
165°	5.2	15.7	31.3	47.0	57.5
167.5°	5.2	15.7	26.1	36.6	47.0
170°	5.2	10.4	20.9	26.1	36.6
172.5°	5.2	10.4	15.7	15.7	15.7
175°	5.2	5.2	10.4	10.4	5.2
177.5°	5.2	5.2	5.2	5.2	5.2
180°	5.2	5.2	5.2	5.2	5.2

(END OF REPORT)