

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: P567248

Luminaire Tested: **8SNX-114SL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567248
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-114SL-UNV-L940-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

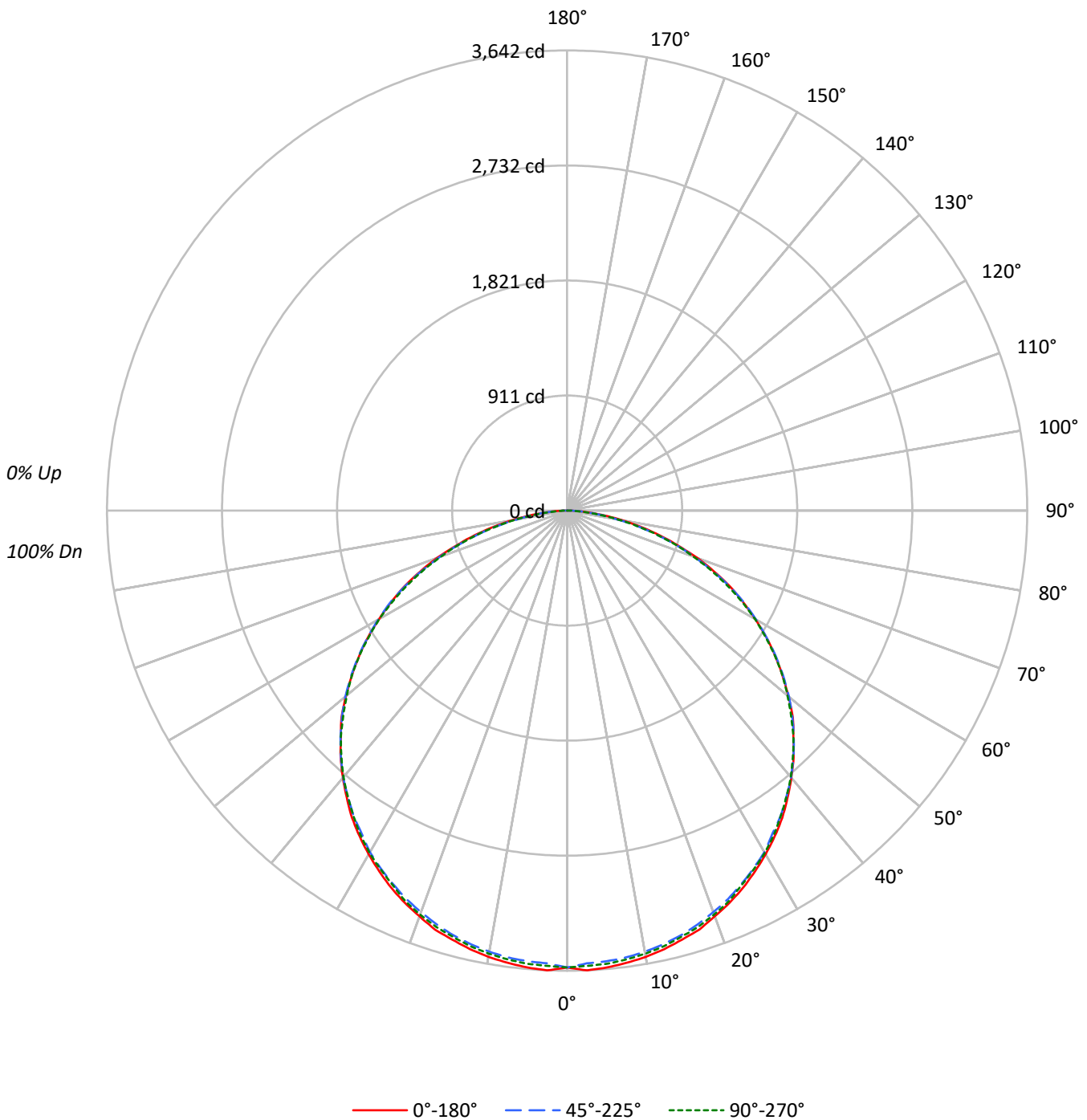
Lumens per Lamp: N/A
Luminaire Lumens: 10813.0 lumens
Efficiency: N/A
Efficacy: 136.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 8' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P567248

CATALOG NUMBER: 8SNX-114SL-UNV-L940-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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	19463	19463	19463
5°	19608	19344	19450
10°	19603	19373	19461
15°	19588	19389	19461
20°	19576	19371	19483
25°	19563	19370	19409
30°	19524	19402	19443
35°	19508	19359	19380
40°	19399	19375	19353
45°	19282	19307	19282
50°	19143	19197	19061
55°	18889	18950	18858
60°	18518	18588	18483
65°	18139	18016	17768
70°	17246	16888	16683
75°	15758	15215	15284
80°	13606	12599	12903
85°	10244	9843	8837



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	343.1	3.2
10°-20°	988.6	9.1
20°-30°	1512.5	14.0
30°-40°	1849.4	17.1
40°-50°	1956.3	18.1
50°-60°	1802.5	16.7
60°-70°	1389.0	12.8
70°-80°	778.2	7.2
80°-90°	193.4	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	2844.2	26.3
0°-40°	4693.6	43.4
0°-60°	8452.4	78.2
0°-90°	10813.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	10813.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3616	3616	3616	3616	3616	
5°	3629	3616	3581	3616	3600	345
15°	3516	3509	3480	3509	3493	993
25°	3294	3288	3262	3288	3268	1518
35°	2969	2963	2946	2956	2950	1855
45°	2533	2543	2537	2533	2533	1957
55°	2013	2029	2020	2020	2010	1798
65°	1424	1424	1415	1379	1395	1401
75°	758	748	732	706	735	803
85°	166	156	159	159	143	205
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3616.4	3616.4	3616.4	3616.4	3616.4
2.5°	3642.4	3626.2	3587.1	3622.9	3606.6
5°	3629.4	3616.4	3580.6	3616.4	3600.1
7.5°	3609.9	3600.1	3567.6	3600.1	3583.9
10°	3587.1	3577.4	3544.9	3577.4	3561.1
12.5°	3554.6	3548.1	3515.6	3548.1	3531.8
15°	3515.6	3509.1	3479.8	3509.1	3492.8
17.5°	3476.6	3463.5	3434.3	3466.8	3453.8
20°	3418.0	3411.5	3382.2	3411.5	3401.8
22.5°	3359.5	3353.0	3327.0	3353.0	3346.5
25°	3294.4	3287.9	3261.9	3287.9	3268.4
27.5°	3219.6	3222.9	3193.6	3209.9	3200.1
30°	3141.6	3141.6	3122.1	3128.6	3128.6
32.5°	3057.0	3057.0	3027.8	3047.3	3044.0
35°	2969.2	2962.7	2946.5	2956.2	2949.7
37.5°	2865.2	2861.9	2852.1	2858.6	2852.1
40°	2761.1	2764.3	2757.8	2754.6	2754.6
42.5°	2653.8	2660.3	2650.5	2647.3	2644.0
45°	2533.4	2543.2	2536.7	2533.4	2533.4
47.5°	2422.9	2426.1	2416.4	2413.1	2403.3
50°	2286.3	2299.3	2292.8	2286.3	2276.5
52.5°	2149.7	2169.2	2156.2	2149.7	2149.7
55°	2013.1	2029.3	2019.6	2019.6	2009.8
57.5°	1870.0	1886.3	1873.2	1873.2	1860.2
60°	1720.4	1736.7	1726.9	1717.1	1717.1
62.5°	1570.8	1583.8	1580.5	1564.3	1554.5
65°	1424.4	1424.4	1414.7	1378.9	1395.2
67.5°	1258.6	1255.3	1242.3	1206.6	1229.3
70°	1096.0	1096.0	1073.2	1030.9	1060.2
72.5°	920.4	930.1	900.8	871.6	900.8
75°	757.8	748.0	731.7	705.7	735.0
77.5°	601.6	585.4	565.9	552.9	569.1
80°	439.0	429.3	406.5	406.5	416.3
82.5°	299.2	289.4	273.2	276.4	263.4
85°	165.9	156.1	159.4	159.4	143.1
87.5°	68.3	68.3	68.3	61.8	55.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)