

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: P567218

Luminaire Tested: **8SNX-114SL-LN-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567218
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-114SL-LN-UNV-L830-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

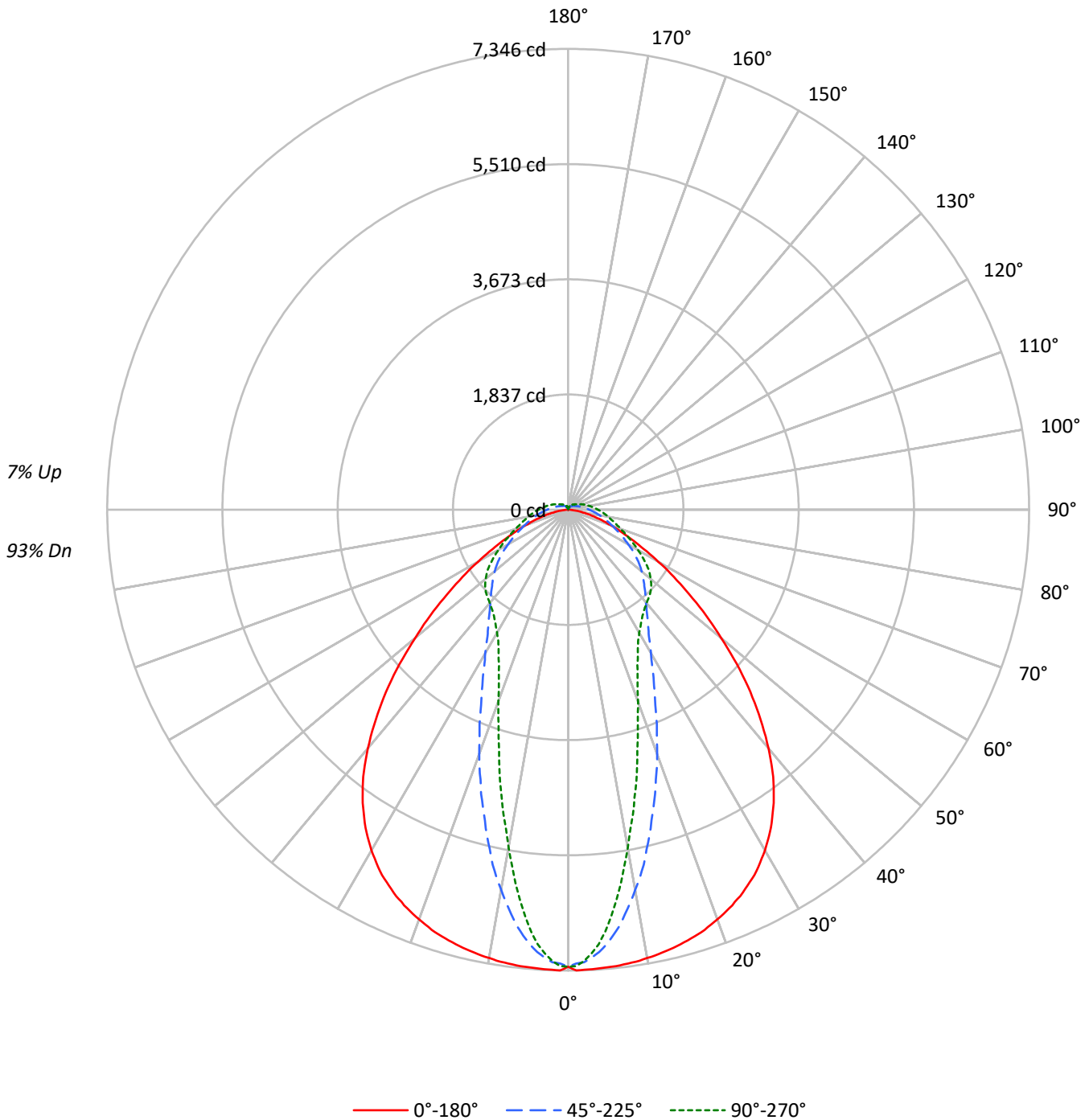
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11613.0 lumens
Efficiency: N/A
Efficacy: 146.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
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

TEST NUMBER: P567218
CATALOG NUMBER: 8SNX-114SL-LN-UNV-L830-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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	39209	39209	39209
5°	39484	36081	34486
10°	39502	30972	26756
15°	39557	25293	20054
20°	39508	20169	15007
25°	39231	15822	11910
30°	38495	12818	10160
35°	36969	10859	9241
40°	34292	9597	8747
45°	30585	8790	8477
50°	26006	8098	8008
55°	21462	7348	7314
60°	17261	6473	6415
65°	13503	5692	5583
70°	10599	5043	4938
75°	8337	4542	4499
80°	6073	4168	4182
85°	3641	3898	4011



TEST NUMBER: P567218

CATALOG NUMBER: 8SNX-114SL-LN-UNV-L830-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	645.1	5.6
10°-20°	1512.2	13.0
20°-30°	1795.1	15.5
30°-40°	1806.0	15.6
40°-50°	1678.8	14.5
50°-60°	1382.4	11.9
60°-70°	974.1	8.4
70°-80°	636.4	5.5
80°-90°	406.3	3.5
90°-100°	266.5	2.3
100°-110°	180.9	1.6
110°-120°	124.0	1.1
120°-130°	85.8	0.7
130°-140°	57.7	0.5
140°-150°	35.6	0.3
150°-160°	18.5	0.2
160°-170°	6.7	0.1
170°-180°	1.2	0.0
0°-30°	3952.4	34.0
0°-40°	5758.5	49.6
0°-60°	8819.6	75.9
0°-90°	10836.3	93.3
90°-120°	571.3	4.9
90°-150°	750.4	6.5
90°-180°	777.0	6.7
0°-180°	11613.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7285	7285	7285	7285	7285	
5°	7322	7224	6963	6829	6756	697
15°	7139	6378	5131	4486	4242	2016
25°	6670	4930	3268	2745	2629	3070
35°	5709	3335	2215	2075	2063	3550
45°	4102	2197	1716	1808	1856	3149
55°	2355	1442	1327	1473	1522	2127
65°	1108	870	913	1029	1065	1124
75°	432	450	615	724	755	467
85°	73	207	414	536	560	92
90°	0	140	335	456	475	4
95°	0	104	280	383	402	0
105°	0	73	189	268	292	0
115°	6	61	134	195	207	5
125°	6	49	110	140	152	5
135°	6	43	85	110	116	5
145°	6	30	61	85	91	4
155°	6	24	43	61	67	3
165°	6	12	24	30	36	2
175°	12	12	12	12	6	1
180°	6	6	6	6	6	



TEST NUMBER: P567218

CATALOG NUMBER: 8SNX-114SL-LN-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7285.2	7285.2	7285.2	7285.2	7285.2
1°	7346.0	7315.6	7236.5	7291.3	7279.1
2°	7340.0	7309.5	7218.2	7242.6	7200.0
3°	7333.9	7291.3	7151.3	7145.2	7084.3
4°	7327.8	7260.8	7066.1	6993.0	6944.4
5°	7321.7	7224.3	6962.6	6828.7	6755.7
6°	7315.6	7181.7	6828.7	6627.9	6524.4
7°	7303.4	7114.8	6688.7	6414.9	6281.0
8°	7291.3	7053.9	6512.2	6183.6	6019.3
9°	7279.1	6974.8	6335.7	5934.0	5739.3
10°	7254.8	6895.7	6153.1	5678.4	5471.5
11°	7242.6	6804.4	5976.6	5435.0	5191.5
12°	7218.2	6707.0	5788.0	5179.4	4966.3
13°	7193.9	6603.5	5556.7	4960.3	4704.6
14°	7169.5	6494.0	5355.9	4716.8	4479.4
15°	7139.1	6378.3	5130.7	4485.5	4242.1
16°	7108.7	6244.4	4929.8	4248.2	3992.5
17°	7078.3	6116.6	4741.2	4029.1	3797.8
18°	7041.7	5988.8	4522.0	3816.0	3590.9
19°	6993.0	5842.8	4345.5	3621.3	3414.4
20°	6950.4	5708.9	4144.7	3438.7	3256.1
21°	6901.8	5544.5	3943.9	3268.3	3085.7
22.5°	6828.7	5313.3	3688.2	3055.3	2884.9
23°	6792.2	5246.3	3584.8	2976.2	2830.1
24°	6743.5	5069.8	3414.4	2854.4	2708.4
25°	6670.5	4929.8	3268.3	2744.9	2629.2
26°	6603.5	4759.4	3122.2	2647.5	2531.9
27°	6536.6	4595.1	2994.4	2544.0	2446.7
28°	6451.4	4424.7	2854.4	2458.8	2373.6
29°	6360.1	4266.4	2738.8	2385.8	2318.8
30°	6268.8	4089.9	2641.4	2318.8	2264.1
32.5°	6013.2	3700.4	2391.9	2191.0	2154.5
35°	5708.9	3335.2	2215.4	2075.4	2063.2
37.5°	5368.0	3000.5	2057.1	1984.1	1996.3
40°	4966.3	2696.2	1923.2	1917.2	1941.5
42.5°	4540.3	2434.5	1819.8	1862.4	1898.9
45°	4102.1	2197.1	1716.3	1807.6	1856.3
47.5°	3645.6	1990.2	1625.0	1740.7	1795.4
50°	3183.1	1789.3	1527.6	1661.5	1716.3
52.5°	2769.2	1612.8	1430.3	1570.2	1631.1
55°	2355.4	1442.4	1326.8	1472.9	1521.6
57.5°	1996.3	1284.2	1217.2	1363.3	1399.8
60°	1661.5	1132.0	1107.7	1241.6	1284.2
62.5°	1357.2	998.1	1004.2	1132.0	1174.6
65°	1107.7	870.3	912.9	1028.6	1065.1



TEST NUMBER: P567218

CATALOG NUMBER: 8SNX-114SL-LN-UNV-L830-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	900.8	748.6	821.6	943.4	973.8
70°	712.1	639.1	748.6	858.2	888.6
72.5°	566.0	541.7	675.6	791.2	815.6
75°	432.1	450.4	614.7	724.3	754.7
77.5°	310.4	377.3	553.8	669.5	693.8
80°	219.1	310.4	505.2	620.8	645.1
82.5°	140.0	255.6	456.5	578.2	602.5
85°	73.0	206.9	413.9	535.6	559.9
87.5°	30.4	170.4	371.3	493.0	517.3
90°	0.0	140.0	334.7	456.5	474.7
92.5°	0.0	121.7	304.3	419.9	438.2
95°	0.0	103.5	280.0	383.4	401.7
97.5°	0.0	97.4	249.5	353.0	371.3
100°	0.0	85.2	225.2	322.6	346.9
102.5°	0.0	79.1	206.9	292.1	316.5
105°	0.0	73.0	188.7	267.8	292.1
107.5°	0.0	66.9	176.5	249.5	267.8
110°	0.0	66.9	158.2	231.3	249.5
112.5°	6.1	60.9	146.1	206.9	225.2
115°	6.1	60.9	133.9	194.8	206.9
117.5°	6.1	60.9	127.8	176.5	188.7
120°	6.1	54.8	121.7	164.3	176.5
122.5°	6.1	54.8	115.6	152.2	158.2
125°	6.1	48.7	109.6	140.0	152.2
127.5°	6.1	48.7	103.5	133.9	140.0
130°	6.1	48.7	97.4	121.7	133.9
132.5°	6.1	42.6	91.3	115.6	121.7
135°	6.1	42.6	85.2	109.6	115.6
137.5°	6.1	36.5	79.1	103.5	109.6
140°	6.1	36.5	73.0	97.4	103.5
142.5°	6.1	30.4	66.9	91.3	97.4
145°	6.1	30.4	60.9	85.2	91.3
147.5°	6.1	30.4	54.8	79.1	85.2
150°	6.1	24.3	48.7	73.0	79.1
152.5°	6.1	24.3	42.6	66.9	73.0
155°	6.1	24.3	42.6	60.9	66.9
157.5°	6.1	18.3	36.5	48.7	60.9
160°	6.1	18.3	30.4	42.6	54.8
162.5°	6.1	18.3	30.4	36.5	42.6
165°	6.1	12.2	24.3	30.4	36.5
167.5°	6.1	12.2	18.3	24.3	30.4
170°	6.1	12.2	18.3	18.3	24.3
172.5°	6.1	12.2	12.2	12.2	12.2
175°	12.2	12.2	12.2	12.2	6.1
177.5°	12.2	12.2	12.2	6.1	6.1



TEST NUMBER: P567218

CATALOG NUMBER: 8SNX-114SL-LN-UNV-L830-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.1	6.1	6.1	6.1	6.1

(END OF REPORT)