

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: P567223

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567223
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-L935-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

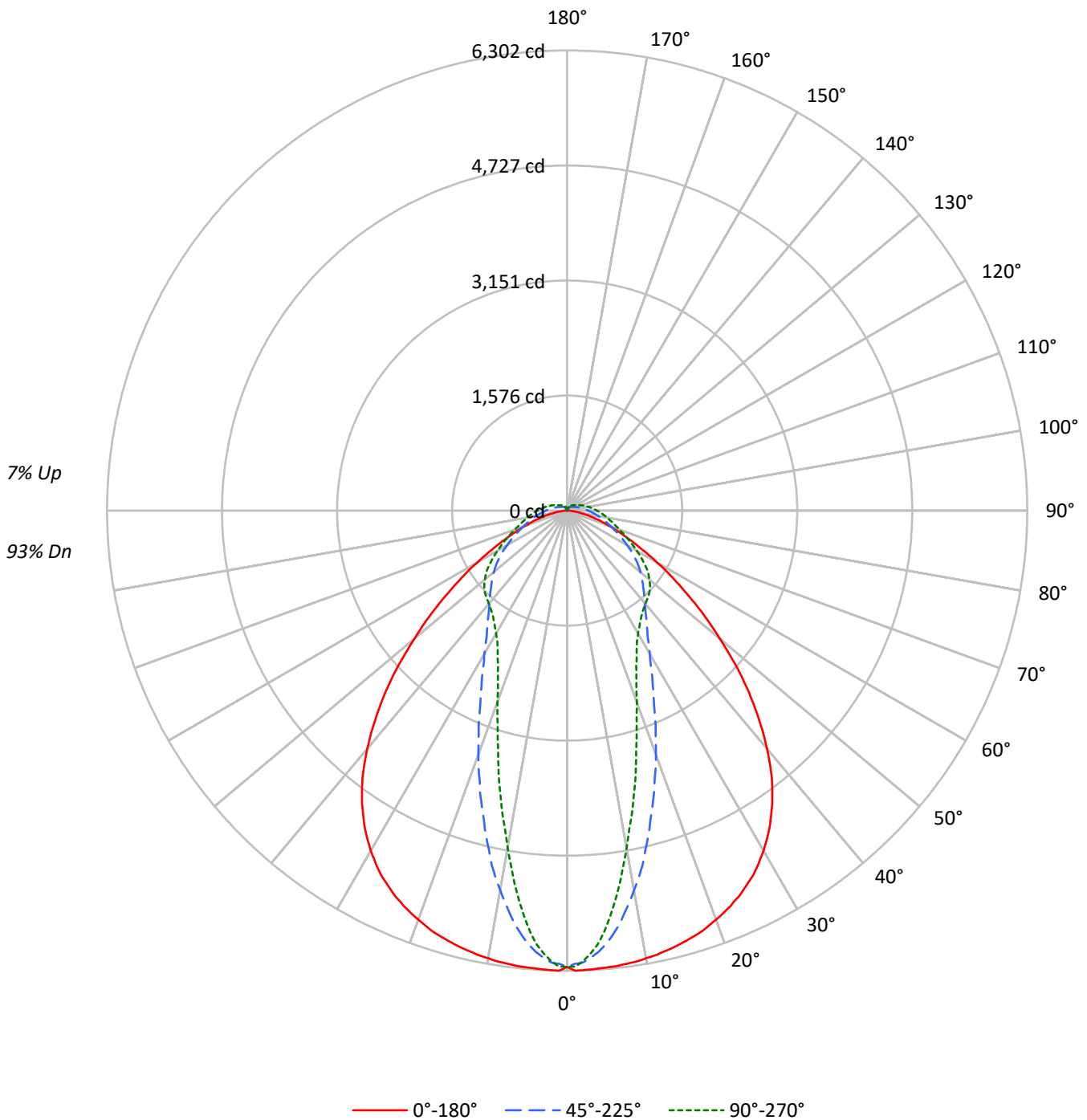
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9963.0 lumens
Efficiency: N/A
Efficacy: 125.5 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: P567223
CATALOG NUMBER: 8SNX-114SL-LN-UNV-L935-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567223

CATALOG NUMBER: 8SNX-114SL-LN-UNV-L935-CD

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	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°	33638	33638	33638
5°	33874	30955	29586
10°	33890	26571	22955
15°	33937	21699	17205
20°	33895	17304	12875
25°	33656	13573	10218
30°	33025	10996	8716
35°	31716	9316	7929
40°	29420	8234	7504
45°	26240	7541	7272
50°	22311	6948	6870
55°	18413	6304	6275
60°	14810	5553	5504
65°	11584	4883	4790
70°	9093	4327	4236
75°	7152	3897	3860
80°	5211	3575	3588
85°	3127	3344	3441



TEST NUMBER: P567223

CATALOG NUMBER: 8SNX-114SL-LN-UNV-L935-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	553.5	5.6
10°-20°	1297.4	13.0
20°-30°	1540.0	15.5
30°-40°	1549.4	15.6
40°-50°	1440.2	14.5
50°-60°	1186.0	11.9
60°-70°	835.7	8.4
70°-80°	546.0	5.5
80°-90°	348.6	3.5
90°-100°	228.6	2.3
100°-110°	155.2	1.6
110°-120°	106.4	1.1
120°-130°	73.6	0.7
130°-140°	49.5	0.5
140°-150°	30.5	0.3
150°-160°	15.8	0.2
160°-170°	5.7	0.1
170°-180°	1.0	0.0
0°-30°	3390.9	34.0
0°-40°	4940.3	49.6
0°-60°	7566.5	75.9
0°-90°	9296.7	93.3
90°-120°	490.1	4.9
90°-150°	643.8	6.5
90°-180°	666.0	6.7
0°-180°	9963.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6250	6250	6250	6250	6250	
5°	6281	6198	5973	5858	5796	598
15°	6125	5472	4402	3848	3639	1730
25°	5723	4229	2804	2355	2256	2633
35°	4898	2861	1901	1780	1770	3046
45°	3519	1885	1472	1551	1592	2702
55°	2021	1238	1138	1264	1305	1825
65°	950	747	783	882	914	964
75°	371	386	527	621	648	401
85°	63	178	355	460	480	79
90°	0	120	287	392	407	4
95°	0	89	240	329	345	0
105°	0	63	162	230	251	0
115°	5	52	115	167	178	4
125°	5	42	94	120	130	5
135°	5	37	73	94	99	4
145°	5	26	52	73	78	3
155°	5	21	37	52	57	2
165°	5	10	21	26	31	1
175°	10	10	10	10	5	1
180°	5	5	5	5	5	



TEST NUMBER: P567223

CATALOG NUMBER: 8SNX-114SL-LN-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6250.1	6250.1	6250.1	6250.1	6250.1
1°	6302.3	6276.2	6208.3	6255.3	6244.9
2°	6297.1	6271.0	6192.7	6213.5	6177.0
3°	6291.9	6255.3	6135.2	6130.0	6077.8
4°	6286.6	6229.2	6062.1	5999.5	5957.7
5°	6281.4	6197.9	5973.4	5858.5	5795.8
6°	6276.2	6161.3	5858.5	5686.2	5597.4
7°	6265.8	6103.9	5738.4	5503.4	5388.5
8°	6255.3	6051.7	5587.0	5305.0	5164.0
9°	6244.9	5983.8	5435.5	5090.9	4923.8
10°	6224.0	5915.9	5278.9	4871.6	4694.1
11°	6213.5	5837.6	5127.5	4662.8	4453.9
12°	6192.7	5754.0	4965.6	4443.5	4260.7
13°	6171.8	5665.3	4767.2	4255.5	4036.2
14°	6150.9	5571.3	4594.9	4046.6	3843.0
15°	6124.8	5472.1	4401.7	3848.2	3639.4
16°	6098.7	5357.2	4229.4	3644.6	3425.3
17°	6072.6	5247.6	4067.5	3456.6	3258.2
18°	6041.2	5137.9	3879.5	3273.9	3080.7
19°	5999.5	5012.6	3728.1	3106.8	2929.2
20°	5962.9	4897.7	3555.8	2950.1	2793.5
21°	5921.1	4756.8	3383.5	2803.9	2647.3
22.5°	5858.5	4558.3	3164.2	2621.2	2475.0
23°	5827.1	4500.9	3075.4	2553.3	2428.0
24°	5785.4	4349.5	2929.2	2448.9	2323.5
25°	5722.7	4229.4	2803.9	2354.9	2255.7
26°	5665.3	4083.2	2678.6	2271.3	2172.1
27°	5607.8	3942.2	2569.0	2182.6	2099.0
28°	5534.7	3796.0	2448.9	2109.5	2036.4
29°	5456.4	3660.2	2349.7	2046.8	1989.4
30°	5378.1	3508.8	2266.1	1989.4	1942.4
32.5°	5158.8	3174.6	2052.0	1879.7	1848.4
35°	4897.7	2861.4	1900.6	1780.5	1770.1
37.5°	4605.3	2574.2	1764.9	1702.2	1712.6
40°	4260.7	2313.1	1650.0	1644.8	1665.6
42.5°	3895.2	2088.6	1561.2	1597.8	1629.1
45°	3519.3	1884.9	1472.5	1550.8	1592.5
47.5°	3127.7	1707.4	1394.1	1493.3	1540.3
50°	2730.8	1535.1	1310.6	1425.5	1472.5
52.5°	2375.8	1383.7	1227.0	1347.1	1399.4
55°	2020.7	1237.5	1138.3	1263.6	1305.4
57.5°	1712.6	1101.7	1044.3	1169.6	1200.9
60°	1425.5	971.2	950.3	1065.2	1101.7
62.5°	1164.4	856.3	861.5	971.2	1007.7
65°	950.3	746.7	783.2	882.4	913.8



TEST NUMBER: P567223

CATALOG NUMBER: 8SNX-114SL-LN-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	772.8	642.2	704.9	809.3	835.4
70°	610.9	548.3	642.2	736.2	762.3
72.5°	485.6	464.7	579.6	678.8	699.7
75°	370.7	386.4	527.4	621.4	647.5
77.5°	266.3	323.7	475.2	574.4	595.2
80°	188.0	266.3	433.4	532.6	553.5
82.5°	120.1	219.3	391.6	496.0	516.9
85°	62.7	177.5	355.1	459.5	480.4
87.5°	26.1	146.2	318.5	422.9	443.8
90°	0.0	120.1	287.2	391.6	407.3
92.5°	0.0	104.4	261.1	360.3	375.9
95°	0.0	88.8	240.2	329.0	344.6
97.5°	0.0	83.5	214.1	302.8	318.5
100°	0.0	73.1	193.2	276.7	297.6
102.5°	0.0	67.9	177.5	250.6	271.5
105°	0.0	62.7	161.9	229.7	250.6
107.5°	0.0	57.4	151.4	214.1	229.7
110°	0.0	57.4	135.8	198.4	214.1
112.5°	5.2	52.2	125.3	177.5	193.2
115°	5.2	52.2	114.9	167.1	177.5
117.5°	5.2	52.2	109.7	151.4	161.9
120°	5.2	47.0	104.4	141.0	151.4
122.5°	5.2	47.0	99.2	130.5	135.8
125°	5.2	41.8	94.0	120.1	130.5
127.5°	5.2	41.8	88.8	114.9	120.1
130°	5.2	41.8	83.5	104.4	114.9
132.5°	5.2	36.6	78.3	99.2	104.4
135°	5.2	36.6	73.1	94.0	99.2
137.5°	5.2	31.3	67.9	88.8	94.0
140°	5.2	31.3	62.7	83.5	88.8
142.5°	5.2	26.1	57.4	78.3	83.5
145°	5.2	26.1	52.2	73.1	78.3
147.5°	5.2	26.1	47.0	67.9	73.1
150°	5.2	20.9	41.8	62.7	67.9
152.5°	5.2	20.9	36.6	57.4	62.7
155°	5.2	20.9	36.6	52.2	57.4
157.5°	5.2	15.7	31.3	41.8	52.2
160°	5.2	15.7	26.1	36.6	47.0
162.5°	5.2	15.7	26.1	31.3	36.6
165°	5.2	10.4	20.9	26.1	31.3
167.5°	5.2	10.4	15.7	20.9	26.1
170°	5.2	10.4	15.7	15.7	20.9
172.5°	5.2	10.4	10.4	10.4	10.4
175°	10.4	10.4	10.4	10.4	5.2
177.5°	10.4	10.4	10.4	5.2	5.2



TEST NUMBER: P567223

CATALOG NUMBER: 8SNX-114SL-LN-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.2	5.2	5.2	5.2	5.2

(END OF REPORT)