

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: P567222

Luminaire Tested: **8SNX-114SL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567222
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-L930-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

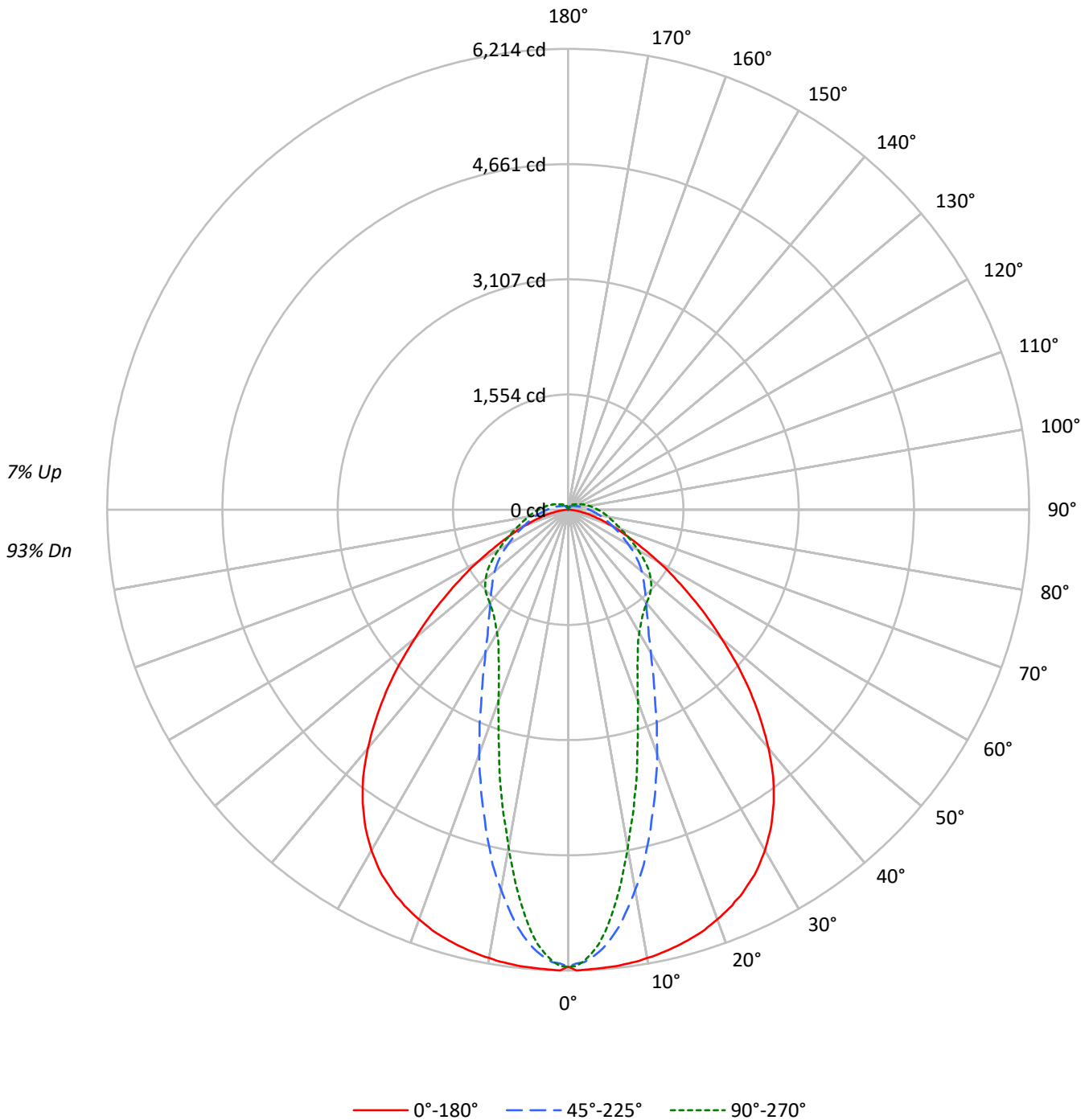
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9823.0 lumens
Efficiency: N/A
Efficacy: 123.7 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 (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

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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	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°	33165	33165	33165
5°	33398	30520	29171
10°	33413	26198	22632
15°	33460	21394	16963
20°	33418	17060	12694
25°	33183	13383	10075
30°	32561	10842	8594
35°	31270	9185	7817
40°	29006	8118	7399
45°	25870	7435	7171
50°	21998	6850	6774
55°	18154	6215	6186
60°	14601	5475	5426
65°	11422	4814	4722
70°	8965	4266	4177
75°	7052	3842	3806
80°	5136	3525	3538
85°	3082	3297	3393



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	545.7	5.6
10°-20°	1279.1	13.0
20°-30°	1518.4	15.5
30°-40°	1527.6	15.6
40°-50°	1420.0	14.5
50°-60°	1169.3	11.9
60°-70°	823.9	8.4
70°-80°	538.3	5.5
80°-90°	343.7	3.5
90°-100°	225.4	2.3
100°-110°	153.0	1.6
110°-120°	104.9	1.1
120°-130°	72.6	0.7
130°-140°	48.8	0.5
140°-150°	30.1	0.3
150°-160°	15.6	0.2
160°-170°	5.6	0.1
170°-180°	1.0	0.0
0°-30°	3343.2	34.0
0°-40°	4870.9	49.6
0°-60°	7460.2	75.9
0°-90°	9166.0	93.3
90°-120°	483.3	4.9
90°-150°	634.7	6.5
90°-180°	657.0	6.7
0°-180°	9823.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6162	6162	6162	6162	6162	
5°	6193	6111	5889	5776	5714	590
15°	6039	5395	4340	3794	3588	1705
25°	5642	4170	2764	2322	2224	2596
35°	4829	2821	1874	1756	1745	3003
45°	3470	1858	1452	1529	1570	2664
55°	1992	1220	1122	1246	1287	1799
65°	937	736	772	870	901	951
75°	366	381	520	613	638	395
85°	62	175	350	453	474	78
90°	0	118	283	386	402	4
95°	0	88	237	324	340	0
105°	0	62	160	226	247	0
115°	5	52	113	165	175	4
125°	5	41	93	118	129	5
135°	5	36	72	93	98	4
145°	5	26	52	72	77	3
155°	5	21	36	52	57	2
165°	5	10	21	26	31	1
175°	10	10	10	10	5	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6162.3	6162.3	6162.3	6162.3	6162.3
1°	6213.7	6188.0	6121.1	6167.4	6157.1
2°	6208.6	6182.9	6105.6	6126.2	6090.2
3°	6203.4	6167.4	6049.0	6043.9	5992.4
4°	6198.3	6141.7	5976.9	5915.2	5874.0
5°	6193.2	6110.8	5889.4	5776.2	5714.4
6°	6188.0	6074.7	5776.2	5606.3	5518.8
7°	6177.7	6018.1	5657.7	5426.1	5312.8
8°	6167.4	5966.6	5508.5	5230.5	5091.5
9°	6157.1	5899.7	5359.2	5019.4	4854.6
10°	6136.5	5832.8	5204.7	4803.2	4628.1
11°	6126.2	5755.6	5055.4	4597.2	4391.3
12°	6105.6	5673.2	4895.8	4381.0	4200.8
13°	6085.0	5585.7	4700.2	4195.7	3979.5
14°	6064.4	5493.0	4530.3	3989.8	3789.0
15°	6038.7	5395.2	4339.8	3794.1	3588.2
16°	6013.0	5281.9	4170.0	3593.4	3377.1
17°	5987.2	5173.8	4010.4	3408.0	3212.4
18°	5956.3	5065.7	3825.0	3227.9	3037.4
19°	5915.2	4942.2	3675.7	3063.1	2888.1
20°	5879.1	4828.9	3505.8	2908.7	2754.2
21°	5837.9	4689.9	3336.0	2764.5	2610.1
22.5°	5776.2	4494.3	3119.7	2584.3	2440.2
23°	5745.3	4437.7	3032.2	2517.4	2393.9
24°	5704.1	4288.4	2888.1	2414.5	2290.9
25°	5642.3	4170.0	2764.5	2321.8	2224.0
26°	5585.7	4025.8	2641.0	2239.4	2141.6
27°	5529.0	3886.8	2532.9	2151.9	2069.5
28°	5457.0	3742.7	2414.5	2079.8	2007.8
29°	5379.8	3608.8	2316.6	2018.1	1961.4
30°	5302.5	3459.5	2234.3	1961.4	1915.1
32.5°	5086.3	3130.0	2023.2	1853.3	1822.4
35°	4828.9	2821.2	1873.9	1755.5	1745.2
37.5°	4540.6	2538.0	1740.1	1678.3	1688.6
40°	4200.8	2280.6	1626.8	1621.6	1642.2
42.5°	3840.5	2059.2	1539.3	1575.3	1606.2
45°	3469.8	1858.5	1451.8	1529.0	1570.2
47.5°	3083.7	1683.4	1374.5	1472.4	1518.7
50°	2692.5	1513.5	1292.2	1405.4	1451.8
52.5°	2342.4	1364.2	1209.8	1328.2	1379.7
55°	1992.3	1220.1	1122.3	1245.8	1287.0
57.5°	1688.6	1086.2	1029.6	1153.2	1184.1
60°	1405.4	957.5	937.0	1050.2	1086.2
62.5°	1148.0	844.3	849.4	957.5	993.6
65°	937.0	736.2	772.2	870.0	900.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	761.9	633.2	695.0	798.0	823.7
70°	602.3	540.5	633.2	725.9	751.6
72.5°	478.8	458.2	571.4	669.3	689.8
75°	365.5	381.0	520.0	612.6	638.4
77.5°	262.6	319.2	468.5	566.3	586.9
80°	185.3	262.6	427.3	525.1	545.7
82.5°	118.4	216.2	386.1	489.1	509.7
85°	61.8	175.0	350.1	453.0	473.6
87.5°	25.7	144.1	314.0	417.0	437.6
90°	0.0	118.4	283.1	386.1	401.6
92.5°	0.0	103.0	257.4	355.2	370.7
95°	0.0	87.5	236.8	324.3	339.8
97.5°	0.0	82.4	211.1	298.6	314.0
100°	0.0	72.1	190.5	272.8	293.4
102.5°	0.0	66.9	175.0	247.1	267.7
105°	0.0	61.8	159.6	226.5	247.1
107.5°	0.0	56.6	149.3	211.1	226.5
110°	0.0	56.6	133.9	195.6	211.1
112.5°	5.1	51.5	123.6	175.0	190.5
115°	5.1	51.5	113.3	164.7	175.0
117.5°	5.1	51.5	108.1	149.3	159.6
120°	5.1	46.3	103.0	139.0	149.3
122.5°	5.1	46.3	97.8	128.7	133.9
125°	5.1	41.2	92.7	118.4	128.7
127.5°	5.1	41.2	87.5	113.3	118.4
130°	5.1	41.2	82.4	103.0	113.3
132.5°	5.1	36.0	77.2	97.8	103.0
135°	5.1	36.0	72.1	92.7	97.8
137.5°	5.1	30.9	66.9	87.5	92.7
140°	5.1	30.9	61.8	82.4	87.5
142.5°	5.1	25.7	56.6	77.2	82.4
145°	5.1	25.7	51.5	72.1	77.2
147.5°	5.1	25.7	46.3	66.9	72.1
150°	5.1	20.6	41.2	61.8	66.9
152.5°	5.1	20.6	36.0	56.6	61.8
155°	5.1	20.6	36.0	51.5	56.6
157.5°	5.1	15.4	30.9	41.2	51.5
160°	5.1	15.4	25.7	36.0	46.3
162.5°	5.1	15.4	25.7	30.9	36.0
165°	5.1	10.3	20.6	25.7	30.9
167.5°	5.1	10.3	15.4	20.6	25.7
170°	5.1	10.3	15.4	15.4	20.6
172.5°	5.1	10.3	10.3	10.3	10.3
175°	10.3	10.3	10.3	10.3	5.1
177.5°	10.3	10.3	10.3	5.1	5.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.1	5.1	5.1	5.1	5.1

(END OF REPORT)