

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: P567224

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567224
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-L940-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

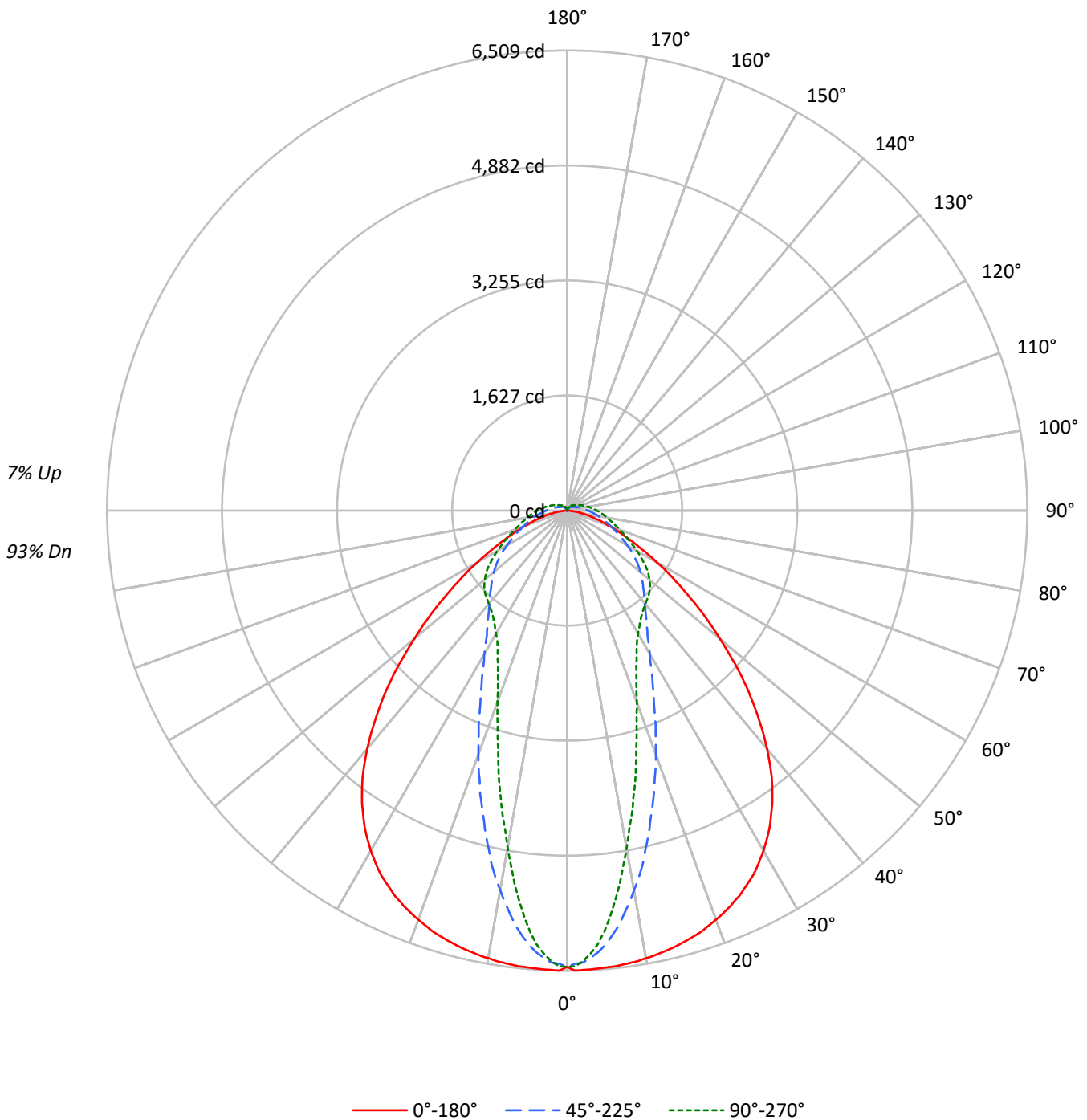
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10290.0 lumens
Efficiency: N/A
Efficacy: 129.6 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

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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°	34742	34742	34742
5°	34986	31971	30557
10°	35002	27444	23708
15°	35051	22411	17769
20°	35007	17871	13298
25°	34761	14019	10554
30°	34109	11357	9002
35°	32757	9622	8189
40°	30386	8504	7751
45°	27101	7789	7511
50°	23043	7176	7096
55°	19017	6511	6480
60°	15295	5735	5684
65°	11965	5043	4946
70°	9392	4469	4376
75°	7388	4025	3986
80°	5380	3692	3706
85°	3227	3454	3554



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	571.6	5.6
10°-20°	1340.0	13.0
20°-30°	1590.6	15.5
30°-40°	1600.3	15.6
40°-50°	1487.5	14.5
50°-60°	1224.9	11.9
60°-70°	863.1	8.4
70°-80°	563.9	5.5
80°-90°	360.0	3.5
90°-100°	236.1	2.3
100°-110°	160.3	1.6
110°-120°	109.8	1.1
120°-130°	76.0	0.7
130°-140°	51.1	0.5
140°-150°	31.5	0.3
150°-160°	16.4	0.2
160°-170°	5.9	0.1
170°-180°	1.0	0.0
0°-30°	3502.2	34.0
0°-40°	5102.4	49.6
0°-60°	7814.8	75.9
0°-90°	9601.8	93.3
90°-120°	506.2	4.9
90°-150°	664.9	6.5
90°-180°	688.0	6.7
0°-180°	10290.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6455	6455	6455	6455	6455	
5°	6488	6401	6169	6051	5986	618
15°	6326	5652	4546	3974	3759	1786
25°	5910	4368	2896	2432	2330	2720
35°	5058	2955	1963	1839	1828	3146
45°	3635	1947	1521	1602	1645	2790
55°	2087	1278	1176	1305	1348	1885
65°	982	771	809	911	944	996
75°	383	399	545	642	669	414
85°	65	183	367	475	496	81
90°	0	124	297	404	421	4
95°	0	92	248	340	356	0
105°	0	65	167	237	259	0
115°	5	54	119	173	183	5
125°	5	43	97	124	135	5
135°	5	38	76	97	102	4
145°	5	27	54	76	81	3
155°	5	22	38	54	59	2
165°	5	11	22	27	32	2
175°	11	11	11	11	5	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6455.2	6455.2	6455.2	6455.2	6455.2
1°	6509.2	6482.2	6412.1	6460.6	6449.8
2°	6503.8	6476.8	6395.9	6417.5	6379.7
3°	6498.4	6460.6	6336.6	6331.2	6277.3
4°	6493.0	6433.7	6261.1	6196.4	6153.2
5°	6487.6	6401.3	6169.4	6050.8	5986.0
6°	6482.2	6363.5	6050.8	5872.8	5781.1
7°	6471.4	6304.2	5926.7	5684.0	5565.4
8°	6460.6	6250.3	5770.3	5479.1	5333.5
9°	6449.8	6180.2	5613.9	5258.0	5085.4
10°	6428.3	6110.1	5452.2	5031.5	4848.2
11°	6417.5	6029.2	5295.8	4815.8	4600.1
12°	6395.9	5942.9	5128.6	4589.3	4400.6
13°	6374.3	5851.2	4923.7	4395.2	4168.7
14°	6352.8	5754.2	4745.7	4179.4	3969.1
15°	6325.8	5651.7	4546.2	3974.5	3758.8
16°	6298.8	5533.1	4368.2	3764.2	3537.7
17°	6271.9	5419.8	4201.0	3570.1	3365.1
18°	6239.5	5306.6	4006.9	3381.3	3181.8
19°	6196.4	5177.1	3850.5	3208.7	3025.4
20°	6158.6	5058.5	3672.5	3047.0	2885.2
21°	6115.5	4912.9	3494.6	2896.0	2734.2
22.5°	6050.8	4707.9	3268.1	2707.2	2556.2
23°	6018.4	4648.6	3176.4	2637.1	2507.7
24°	5975.3	4492.2	3025.4	2529.2	2399.8
25°	5910.5	4368.2	2896.0	2432.2	2329.7
26°	5851.2	4217.2	2766.5	2345.9	2243.4
27°	5791.9	4071.6	2653.3	2254.2	2167.9
28°	5716.4	3920.6	2529.2	2178.7	2103.2
29°	5635.5	3780.4	2426.8	2114.0	2054.7
30°	5554.6	3624.0	2340.5	2054.7	2006.1
32.5°	5328.1	3278.8	2119.4	1941.4	1909.1
35°	5058.5	2955.3	1963.0	1839.0	1828.2
37.5°	4756.5	2658.7	1822.8	1758.1	1768.9
40°	4400.6	2389.0	1704.1	1698.7	1720.3
42.5°	4023.1	2157.1	1612.5	1650.2	1682.6
45°	3634.8	1946.8	1520.8	1601.7	1644.8
47.5°	3230.3	1763.5	1439.9	1542.4	1590.9
50°	2820.5	1585.5	1353.6	1472.2	1520.8
52.5°	2453.7	1429.1	1267.3	1391.4	1445.3
55°	2087.0	1278.1	1175.6	1305.1	1348.2
57.5°	1768.9	1137.9	1078.6	1208.0	1240.4
60°	1472.2	1003.1	981.5	1100.1	1137.9
62.5°	1202.6	884.4	889.8	1003.1	1040.8
65°	981.5	771.2	808.9	911.4	943.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	798.1	663.3	728.0	835.9	862.9
70°	631.0	566.2	663.3	760.4	787.4
72.5°	501.5	480.0	598.6	701.1	722.6
75°	382.9	399.1	544.7	641.7	668.7
77.5°	275.0	334.4	490.7	593.2	614.8
80°	194.1	275.0	447.6	550.1	571.6
82.5°	124.0	226.5	404.5	512.3	533.9
85°	64.7	183.4	366.7	474.6	496.1
87.5°	27.0	151.0	329.0	436.8	458.4
90°	0.0	124.0	296.6	404.5	420.6
92.5°	0.0	107.9	269.6	372.1	388.3
95°	0.0	91.7	248.1	339.7	355.9
97.5°	0.0	86.3	221.1	312.8	329.0
100°	0.0	75.5	199.5	285.8	307.4
102.5°	0.0	70.1	183.4	258.9	280.4
105°	0.0	64.7	167.2	237.3	258.9
107.5°	0.0	59.3	156.4	221.1	237.3
110°	0.0	59.3	140.2	204.9	221.1
112.5°	5.4	53.9	129.4	183.4	199.5
115°	5.4	53.9	118.6	172.6	183.4
117.5°	5.4	53.9	113.2	156.4	167.2
120°	5.4	48.5	107.9	145.6	156.4
122.5°	5.4	48.5	102.5	134.8	140.2
125°	5.4	43.1	97.1	124.0	134.8
127.5°	5.4	43.1	91.7	118.6	124.0
130°	5.4	43.1	86.3	107.9	118.6
132.5°	5.4	37.7	80.9	102.5	107.9
135°	5.4	37.7	75.5	97.1	102.5
137.5°	5.4	32.4	70.1	91.7	97.1
140°	5.4	32.4	64.7	86.3	91.7
142.5°	5.4	27.0	59.3	80.9	86.3
145°	5.4	27.0	53.9	75.5	80.9
147.5°	5.4	27.0	48.5	70.1	75.5
150°	5.4	21.6	43.1	64.7	70.1
152.5°	5.4	21.6	37.7	59.3	64.7
155°	5.4	21.6	37.7	53.9	59.3
157.5°	5.4	16.2	32.4	43.1	53.9
160°	5.4	16.2	27.0	37.7	48.5
162.5°	5.4	16.2	27.0	32.4	37.7
165°	5.4	10.8	21.6	27.0	32.4
167.5°	5.4	10.8	16.2	21.6	27.0
170°	5.4	10.8	16.2	16.2	21.6
172.5°	5.4	10.8	10.8	10.8	10.8
175°	10.8	10.8	10.8	10.8	5.4
177.5°	10.8	10.8	10.8	5.4	5.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.4	5.4	5.4	5.4	5.4

(END OF REPORT)