

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: P567212

Luminaire Tested: **8SNX-114SL-LC-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567212
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-114SL-LC-UNV-L840-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

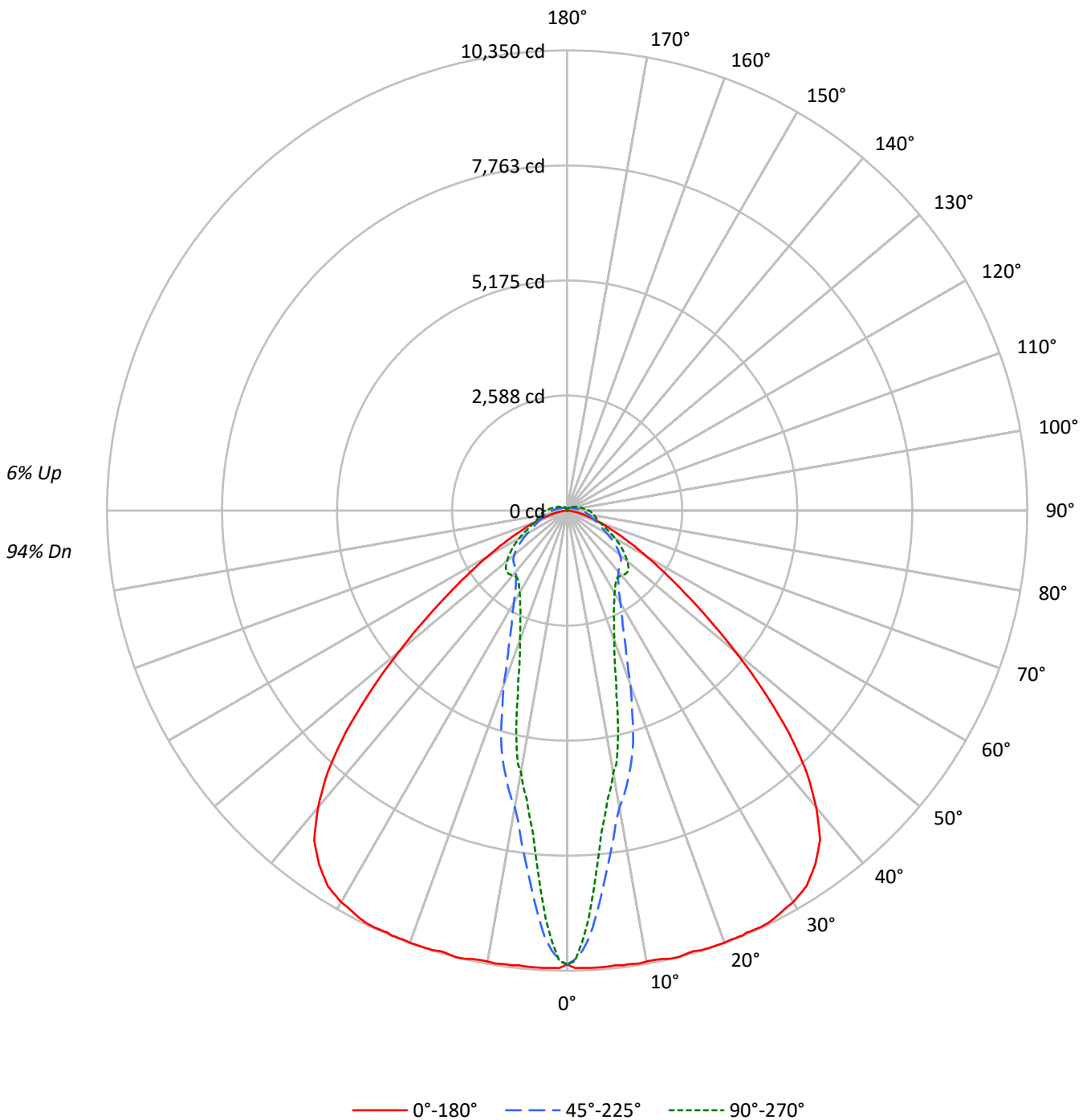
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12583.0 lumens
Efficiency: N/A
Efficacy: 158.5 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	54938	54938	54938
5°	55535	45179	40390
10°	56073	34146	29232
15°	57204	27942	20242
20°	58795	20240	14296
25°	60756	14516	11247
30°	62446	11609	9578
35°	62972	9830	8579
40°	60199	8946	8599
45°	52406	8653	8834
50°	40356	8239	8244
55°	29379	7214	7315
60°	21438	6029	6185
65°	15722	5106	5070
70°	11709	4518	4372
75°	8460	4193	4075
80°	5721	3937	4013
85°	2893	3765	4019



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	802.8	6.4
10°-20°	1743.2	13.9
20°-30°	1995.4	15.9
30°-40°	1999.0	15.9
40°-50°	1892.3	15.0
50°-60°	1451.2	11.5
60°-70°	935.4	7.4
70°-80°	596.5	4.7
80°-90°	396.1	3.1
90°-100°	266.3	2.1
100°-110°	175.5	1.4
110°-120°	122.0	1.0
120°-130°	85.1	0.7
130°-140°	59.1	0.5
140°-150°	36.2	0.3
150°-160°	18.3	0.1
160°-170°	7.1	0.1
170°-180°	1.4	0.0
0°-30°	4541.5	36.1
0°-40°	6540.4	52.0
0°-60°	9884.0	78.6
0°-90°	11812.0	93.9
90°-120°	563.8	4.5
90°-150°	744.2	5.9
90°-180°	771.0	6.1
0°-180°	12583.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	10208	10208	10208	10208	10208	
5°	10298	9731	8718	8132	7912	983
15°	10324	7435	5668	4656	4282	2928
25°	10330	5262	2998	2605	2483	4762
35°	9724	2928	2006	1941	1915	6033
45°	7029	1851	1690	1870	1934	5344
55°	3224	1322	1303	1464	1522	2965
65°	1290	832	819	935	967	1327
75°	438	451	568	651	684	482
85°	58	206	400	522	561	80
90°	0	142	335	464	484	3
95°	0	103	277	380	400	0
105°	0	77	181	258	277	4
115°	6	64	135	187	200	6
125°	6	58	116	135	142	6
135°	6	45	90	110	116	5
145°	6	32	64	84	90	4
155°	6	19	39	58	64	3
165°	13	13	26	32	39	3
175°	13	13	13	13	6	1
180°	13	13	13	13	13	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	10207.9	10207.9	10207.9	10207.9	10207.9
1°	10291.8	10233.7	10098.3	10137.0	10130.6
2°	10291.8	10169.2	9904.9	9827.5	9711.4
3°	10298.2	10059.6	9608.2	9356.7	9195.5
4°	10298.2	9898.4	9169.7	8750.6	8544.2
5°	10298.2	9730.8	8718.3	8131.5	7912.3
6°	10285.3	9530.9	8260.5	7641.4	7312.6
7°	10304.7	9311.6	7847.8	7183.6	6925.7
8°	10298.2	9053.7	7467.3	6835.4	6551.7
9°	10317.6	8802.2	7054.6	6506.5	6293.7
10°	10298.2	8570.0	6783.8	6197.0	5977.7
11°	10298.2	8344.3	6590.3	5997.1	5810.1
12°	10311.1	8086.4	6377.5	5713.4	5455.4
13°	10343.4	7822.0	6132.5	5403.8	5100.7
14°	10349.8	7622.1	5906.8	5010.5	4694.5
15°	10324.0	7435.1	5668.2	4655.8	4281.8
16°	10311.1	7241.6	5384.5	4320.5	3985.2
17°	10336.9	7015.9	5062.1	3978.7	3669.2
18°	10343.4	6809.6	4720.3	3720.8	3449.9
19°	10343.4	6648.4	4443.0	3482.2	3250.0
20°	10343.4	6493.6	4159.3	3301.6	3101.7
21°	10330.5	6300.2	3836.8	3114.6	2947.0
22.5°	10336.9	5939.0	3469.3	2895.4	2759.9
23°	10317.6	5848.8	3379.0	2837.3	2695.5
24°	10324.0	5590.8	3185.5	2721.3	2585.8
25°	10330.5	5262.0	2998.5	2605.2	2482.7
26°	10317.6	4997.6	2843.8	2495.6	2411.7
27°	10285.3	4784.8	2734.2	2405.3	2327.9
28°	10240.2	4501.0	2618.1	2327.9	2257.0
29°	10195.0	4178.6	2502.0	2244.1	2192.5
30°	10169.2	3920.7	2392.4	2179.6	2134.4
32.5°	10014.5	3411.2	2166.7	2050.6	2011.9
35°	9724.3	2927.6	2005.5	1941.0	1915.2
37.5°	9343.8	2553.6	1883.0	1870.1	1876.5
40°	8718.3	2257.0	1792.7	1850.7	1908.7
42.5°	7970.3	2024.8	1728.2	1870.1	1934.5
45°	7028.8	1850.7	1689.5	1870.1	1934.5
47.5°	5984.2	1708.8	1644.4	1805.6	1870.1
50°	4939.5	1579.9	1554.1	1708.8	1766.9
52.5°	4017.4	1457.4	1438.0	1586.3	1644.4
55°	3224.2	1321.9	1302.6	1463.8	1521.8
57.5°	2585.8	1193.0	1173.6	1321.9	1380.0
60°	2063.5	1064.0	1031.8	1180.1	1238.1
62.5°	1644.4	941.5	922.1	1051.1	1102.7
65°	1289.7	831.9	819.0	935.0	967.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	1018.9	728.7	735.1	831.9	870.5
70°	786.7	632.0	670.6	760.9	786.7
72.5°	593.3	535.2	619.1	696.4	728.7
75°	438.5	451.4	567.5	651.3	683.5
77.5°	303.1	374.0	522.3	612.6	644.8
80°	206.4	303.1	477.2	580.4	619.1
82.5°	122.5	251.5	438.5	548.1	593.3
85°	58.0	206.4	399.8	522.3	561.0
87.5°	19.3	167.7	361.1	496.5	528.8
90°	0.0	141.9	335.3	464.3	483.6
92.5°	0.0	122.5	303.1	425.6	438.5
95°	0.0	103.2	277.3	380.5	399.8
97.5°	0.0	96.7	257.9	341.8	367.6
100°	0.0	90.3	232.1	309.5	335.3
102.5°	0.0	77.4	206.4	277.3	303.1
105°	0.0	77.4	180.6	257.9	277.3
107.5°	6.4	70.9	167.7	232.1	257.9
110°	6.4	70.9	148.3	219.2	238.6
112.5°	6.4	70.9	141.9	199.9	225.7
115°	6.4	64.5	135.4	187.0	199.9
117.5°	6.4	64.5	129.0	167.7	180.6
120°	6.4	58.0	122.5	154.8	161.2
122.5°	6.4	58.0	116.1	141.9	148.3
125°	6.4	58.0	116.1	135.4	141.9
127.5°	6.4	51.6	109.6	129.0	129.0
130°	6.4	51.6	103.2	122.5	122.5
132.5°	6.4	45.1	96.7	116.1	122.5
135°	6.4	45.1	90.3	109.6	116.1
137.5°	6.4	38.7	83.8	103.2	109.6
140°	6.4	38.7	77.4	96.7	103.2
142.5°	6.4	32.2	70.9	90.3	96.7
145°	6.4	32.2	64.5	83.8	90.3
147.5°	6.4	32.2	58.0	77.4	83.8
150°	6.4	25.8	51.6	70.9	77.4
152.5°	6.4	25.8	45.1	64.5	70.9
155°	6.4	19.3	38.7	58.0	64.5
157.5°	6.4	19.3	38.7	51.6	58.0
160°	12.9	19.3	32.2	45.1	51.6
162.5°	6.4	12.9	32.2	38.7	45.1
165°	12.9	12.9	25.8	32.2	38.7
167.5°	12.9	12.9	19.3	25.8	32.2
170°	12.9	12.9	19.3	19.3	25.8
172.5°	12.9	12.9	12.9	19.3	12.9
175°	12.9	12.9	12.9	12.9	6.4
177.5°	12.9	12.9	12.9	12.9	6.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	12.9	12.9	12.9	12.9	12.9

(END OF REPORT)