

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: P567232

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567232
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-114SL-LW-UNV-L940-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

Summary

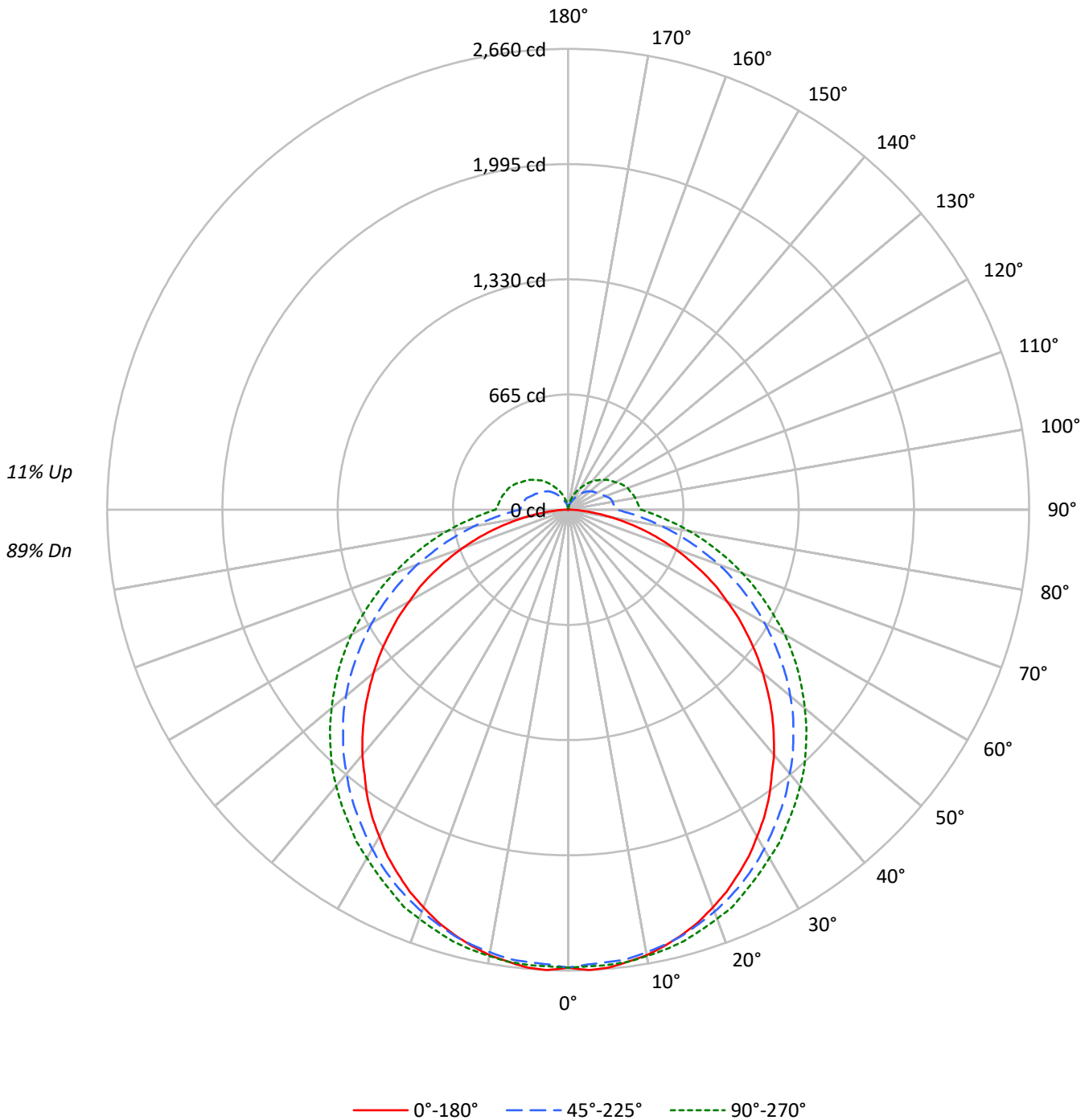
Lumens per Lamp: N/A
Luminaire Lumens: 9410.2 lumens
Efficiency: N/A
Efficacy: 118.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Semi-Direct

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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89				
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71				
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58				
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49				
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41				
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35				
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31				
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27				
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24				
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22				
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14226	14226	14226
5°	14313	13585	13465
10°	14215	13058	12793
15°	14072	12547	12187
20°	13879	12014	11580
25°	13654	11503	10987
30°	13387	10976	10418
35°	13094	10445	9887
40°	12758	9927	9380
45°	12394	9407	8860
50°	11978	8870	8315
55°	11521	8270	7781
60°	10984	7643	7215
65°	10431	6966	6570
70°	9654	6242	5936
75°	8623	5396	5263
80°	6949	4541	4593
85°	4893	3747	3904



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.1	2.7
10°-20°	721.6	7.7
20°-30°	1097.3	11.7
30°-40°	1332.0	14.2
40°-50°	1407.5	15.0
50°-60°	1317.1	14.0
60°-70°	1080.7	11.5
70°-80°	743.3	7.9
80°-90°	407.1	4.3
90°-100°	262.1	2.8
100°-110°	235.2	2.5
110°-120°	194.7	2.1
120°-130°	149.9	1.6
130°-140°	105.4	1.1
140°-150°	63.5	0.7
150°-160°	30.4	0.3
160°-170°	10.0	0.1
170°-180°	1.2	0.0
0°-30°	2070.0	22.0
0°-40°	3402.0	36.2
0°-60°	6126.6	65.1
0°-90°	8357.7	88.8
90°-120°	692.1	7.4
90°-150°	1010.9	10.7
90°-180°	1052.0	11.2
0°-180°	9410.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2643	2643	2643	2643	2643	
5°	2654	2649	2622	2643	2638	252
15°	2540	2551	2545	2578	2578	716
25°	2322	2349	2376	2425	2425	1070
35°	2022	2071	2131	2191	2207	1263
45°	1662	1739	1837	1918	1940	1281
55°	1264	1368	1493	1586	1619	1132
65°	856	970	1117	1221	1254	847
75°	447	567	730	845	883	471
85°	98	234	398	507	545	113
90°	0	131	278	382	420	7
95°	0	125	267	365	403	0
105°	0	104	251	343	376	4
115°	6	93	213	305	343	5
125°	6	76	180	262	294	5
135°	6	60	147	213	240	4
145°	6	44	104	164	180	3
155°	6	27	65	104	120	3
165°	6	16	33	49	60	2
175°	6	6	11	11	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2643.3	2643.3	2643.3	2643.3	2643.3
2.5°	2659.6	2654.2	2626.9	2648.7	2637.8
5°	2654.2	2648.7	2621.5	2643.3	2637.8
7.5°	2632.4	2632.4	2616.0	2637.8	2632.4
10°	2610.6	2610.6	2594.2	2621.5	2616.0
12.5°	2577.9	2583.3	2572.4	2605.1	2599.7
15°	2539.7	2550.6	2545.2	2577.9	2577.9
17.5°	2496.1	2507.0	2507.0	2545.2	2545.2
20°	2441.6	2458.0	2468.9	2512.5	2512.5
22.5°	2387.1	2408.9	2425.3	2463.4	2479.8
25°	2321.7	2349.0	2376.2	2425.3	2425.3
27.5°	2256.3	2289.0	2321.7	2370.8	2376.2
30°	2180.0	2218.2	2261.8	2310.8	2321.7
32.5°	2103.7	2152.8	2196.4	2256.3	2272.7
35°	2022.0	2071.0	2131.0	2190.9	2207.3
37.5°	1929.3	1989.3	2065.6	2131.0	2147.3
40°	1847.6	1913.0	1989.3	2065.6	2081.9
42.5°	1754.9	1825.8	1918.4	1989.3	2016.5
45°	1662.3	1738.6	1836.7	1918.4	1940.2
47.5°	1564.2	1651.4	1760.4	1836.7	1863.9
50°	1466.1	1558.7	1673.2	1760.4	1782.2
52.5°	1368.0	1466.1	1586.0	1673.2	1700.4
55°	1264.4	1368.0	1493.3	1586.0	1618.7
57.5°	1166.3	1269.9	1400.7	1498.8	1531.5
60°	1057.3	1177.2	1308.0	1406.1	1444.3
62.5°	964.7	1073.7	1215.4	1313.5	1346.2
65°	855.7	970.1	1117.3	1220.8	1253.5
67.5°	752.1	872.0	1019.2	1128.2	1160.9
70°	648.6	768.5	926.5	1030.1	1068.2
72.5°	545.0	670.4	823.0	937.4	975.6
75°	446.9	566.8	730.3	844.8	882.9
77.5°	343.4	474.2	637.7	752.1	795.7
80°	250.7	387.0	550.5	664.9	708.5
82.5°	169.0	305.2	468.7	583.2	626.8
85°	98.1	234.4	397.9	506.9	545.0
87.5°	49.1	179.9	332.5	441.5	479.6
90°	0.0	130.8	278.0	381.5	419.7
92.5°	0.0	125.4	272.5	370.6	408.8
95°	0.0	125.4	267.1	365.2	403.3
97.5°	0.0	119.9	261.6	365.2	397.9
100°	0.0	114.5	261.6	359.7	392.4
102.5°	0.0	109.0	256.2	354.3	387.0
105°	0.0	103.6	250.7	343.4	376.1
107.5°	5.5	103.6	239.8	337.9	370.6
110°	5.5	98.1	228.9	332.5	365.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.5	92.7	218.0	321.6	354.3
115°	5.5	92.7	212.6	305.2	343.4
117.5°	5.5	87.2	201.7	294.3	332.5
120°	5.5	87.2	196.2	283.4	316.1
122.5°	5.5	81.8	185.3	272.5	305.2
125°	5.5	76.3	179.9	261.6	294.3
127.5°	5.5	70.9	174.4	250.7	283.4
130°	5.5	65.4	163.5	239.8	267.1
132.5°	5.5	65.4	158.1	223.5	256.2
135°	5.5	60.0	147.2	212.6	239.8
137.5°	5.5	54.5	136.3	201.7	228.9
140°	5.5	49.1	125.4	190.8	212.6
142.5°	5.5	49.1	114.5	174.4	196.2
145°	5.5	43.6	103.6	163.5	179.9
147.5°	5.5	38.2	92.7	147.2	163.5
150°	5.5	38.2	81.8	130.8	147.2
152.5°	5.5	32.7	70.9	119.9	136.3
155°	5.5	27.3	65.4	103.6	119.9
157.5°	5.5	27.3	54.5	87.2	103.6
160°	5.5	21.8	49.1	70.9	87.2
162.5°	5.5	21.8	43.6	60.0	76.3
165°	5.5	16.4	32.7	49.1	60.0
167.5°	5.5	16.4	27.3	38.2	49.1
170°	5.5	10.9	21.8	27.3	38.2
172.5°	5.5	10.9	16.4	16.4	16.4
175°	5.5	5.5	10.9	10.9	5.5
177.5°	5.5	5.5	5.5	5.5	5.5
180°	5.5	5.5	5.5	5.5	5.5

(END OF REPORT)