

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: P567208

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567208
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-114SL-FDL-UNV-L940-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

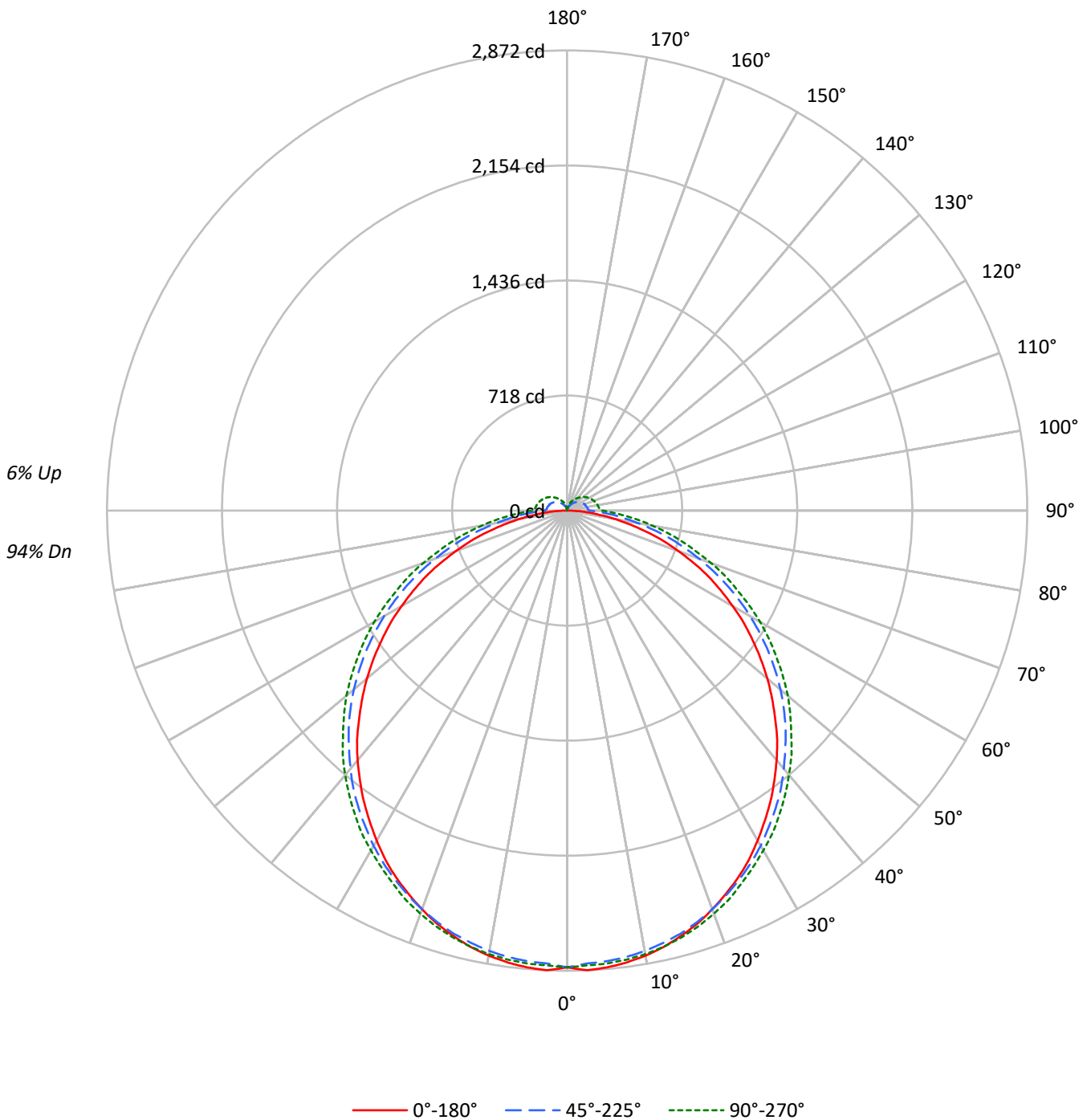
Lumens per Lamp: N/A
Luminaire Lumens: 9059.0 lumens
Efficiency: N/A
Efficacy: 114.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15342	15342	15342
5°	15454	15093	15111
10°	15398	14934	14921
15°	15290	14751	14709
20°	15141	14527	14457
25°	14967	14281	14161
30°	14731	14030	13887
35°	14492	13735	13601
40°	14229	13408	13280
45°	13896	13086	12904
50°	13576	12718	12562
55°	13178	12262	12086
60°	12732	11740	11618
65°	12264	11117	10972
70°	11448	10333	10302
75°	10472	9409	9501
80°	9031	8183	8613
85°	7291	7131	7569



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	270.3	3.0
10°-20°	775.8	8.6
20°-30°	1175.7	13.0
30°-40°	1419.2	15.7
40°-50°	1482.0	16.4
50°-60°	1361.5	15.0
60°-70°	1076.7	11.9
70°-80°	681.4	7.5
80°-90°	292.9	3.2
90°-100°	128.9	1.4
100°-110°	115.4	1.3
110°-120°	97.5	1.1
120°-130°	76.0	0.8
130°-140°	52.6	0.6
140°-150°	31.6	0.3
150°-160°	15.4	0.2
160°-170°	5.3	0.1
170°-180°	0.8	0.0
0°-30°	2221.8	24.5
0°-40°	3641.0	40.2
0°-60°	6484.6	71.6
0°-90°	8535.6	94.2
90°-120°	341.7	3.8
90°-150°	501.9	5.5
90°-180°	523.0	5.8
0°-180°	9059.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2851	2851	2851	2851	2851	
5°	2862	2854	2823	2848	2838	272
15°	2748	2748	2734	2762	2758	775
25°	2527	2538	2541	2575	2570	1164
35°	2214	2240	2268	2304	2312	1384
45°	1835	1880	1928	1965	1978	1417
55°	1415	1473	1534	1583	1595	1266
65°	974	1028	1100	1152	1170	959
75°	513	574	658	714	741	544
85°	125	192	276	335	356	138
90°	8	69	141	197	218	11
95°	2	59	128	180	199	1
105°	2	54	120	168	186	2
115°	2	46	109	152	168	2
125°	3	42	91	132	146	3
135°	3	32	74	104	117	2
145°	3	24	51	79	87	2
155°	3	16	34	50	59	2
165°	5	11	18	24	34	1
175°	5	6	8	8	5	0
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2850.7	2850.7	2850.7	2850.7	2850.7
2.5°	2871.6	2861.9	2829.8	2852.3	2841.1
5°	2861.9	2853.9	2823.4	2847.5	2837.9
7.5°	2844.3	2837.9	2810.6	2836.3	2826.6
10°	2820.2	2815.4	2791.3	2817.0	2810.6
12.5°	2789.7	2788.1	2764.1	2792.9	2788.1
15°	2748.0	2748.0	2733.6	2762.5	2757.7
17.5°	2703.1	2704.7	2693.5	2724.0	2720.8
20°	2648.6	2656.6	2648.6	2680.6	2677.4
22.5°	2589.2	2600.4	2597.2	2629.3	2630.9
25°	2526.6	2537.9	2541.1	2574.8	2570.0
27.5°	2457.7	2475.3	2481.7	2512.2	2510.6
30°	2377.5	2401.5	2416.0	2441.6	2449.6
32.5°	2295.6	2324.5	2342.2	2377.5	2387.1
35°	2213.8	2239.5	2268.4	2303.7	2311.7
37.5°	2124.0	2152.9	2191.4	2225.1	2234.7
40°	2034.1	2066.2	2103.1	2140.0	2154.5
42.5°	1941.1	1974.8	2014.9	2058.2	2072.7
45°	1835.2	1880.1	1928.3	1965.2	1978.0
47.5°	1734.2	1783.9	1835.2	1875.3	1889.8
50°	1631.5	1684.4	1739.0	1775.9	1798.3
52.5°	1524.0	1581.8	1636.3	1682.8	1697.3
55°	1414.9	1472.7	1533.6	1583.4	1594.6
57.5°	1309.0	1365.2	1426.2	1472.7	1495.1
60°	1193.5	1254.5	1320.3	1366.8	1390.9
62.5°	1081.2	1140.6	1211.2	1260.9	1280.2
65°	973.8	1028.3	1100.5	1151.8	1169.5
67.5°	855.0	917.6	986.6	1046.0	1068.4
70°	737.9	797.3	875.9	932.1	954.5
72.5°	628.9	686.6	765.2	821.4	842.2
75°	513.4	574.3	657.7	713.9	741.1
77.5°	402.7	470.0	550.2	611.2	641.7
80°	300.0	359.3	446.0	513.4	540.6
82.5°	203.7	267.9	357.7	420.3	450.8
85°	125.1	192.5	275.9	335.3	356.1
87.5°	59.4	123.5	200.5	258.3	283.9
90°	8.0	69.0	141.2	197.3	218.2
92.5°	1.6	59.4	129.9	182.9	202.1
95°	1.6	59.4	128.3	179.7	198.9
97.5°	1.6	57.8	126.7	178.1	195.7
100°	1.6	56.1	125.1	174.9	194.1
102.5°	1.6	56.1	121.9	171.7	189.3
105°	1.6	54.5	120.3	168.4	186.1
107.5°	1.6	52.9	117.1	165.2	182.9
110°	1.6	49.7	115.5	160.4	178.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	48.1	112.3	157.2	173.3
115°	1.6	46.5	109.1	152.4	168.4
117.5°	1.6	44.9	104.3	147.6	163.6
120°	3.2	44.9	101.1	142.8	157.2
122.5°	3.2	43.3	96.3	136.4	150.8
125°	3.2	41.7	91.4	131.5	146.0
127.5°	3.2	40.1	86.6	125.1	138.0
130°	3.2	36.9	83.4	118.7	131.5
132.5°	3.2	35.3	78.6	110.7	123.5
135°	3.2	32.1	73.8	104.3	117.1
137.5°	3.2	30.5	69.0	97.9	109.1
140°	3.2	28.9	62.6	91.4	102.7
142.5°	3.2	25.7	57.8	85.0	94.6
145°	3.2	24.1	51.3	78.6	86.6
147.5°	3.2	20.9	46.5	72.2	80.2
150°	3.2	19.3	41.7	65.8	73.8
152.5°	3.2	17.6	36.9	57.8	65.8
155°	3.2	16.0	33.7	49.7	59.4
157.5°	3.2	14.4	28.9	43.3	52.9
160°	4.8	12.8	25.7	36.9	44.9
162.5°	4.8	11.2	20.9	30.5	40.1
165°	4.8	11.2	17.6	24.1	33.7
167.5°	4.8	9.6	14.4	19.3	27.3
170°	4.8	8.0	12.8	14.4	20.9
172.5°	4.8	6.4	9.6	9.6	11.2
175°	4.8	6.4	8.0	8.0	4.8
177.5°	4.8	4.8	4.8	4.8	3.2
180°	4.8	4.8	4.8	4.8	4.8

(END OF REPORT)