

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: P567228

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567228  
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-L840-CD  
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

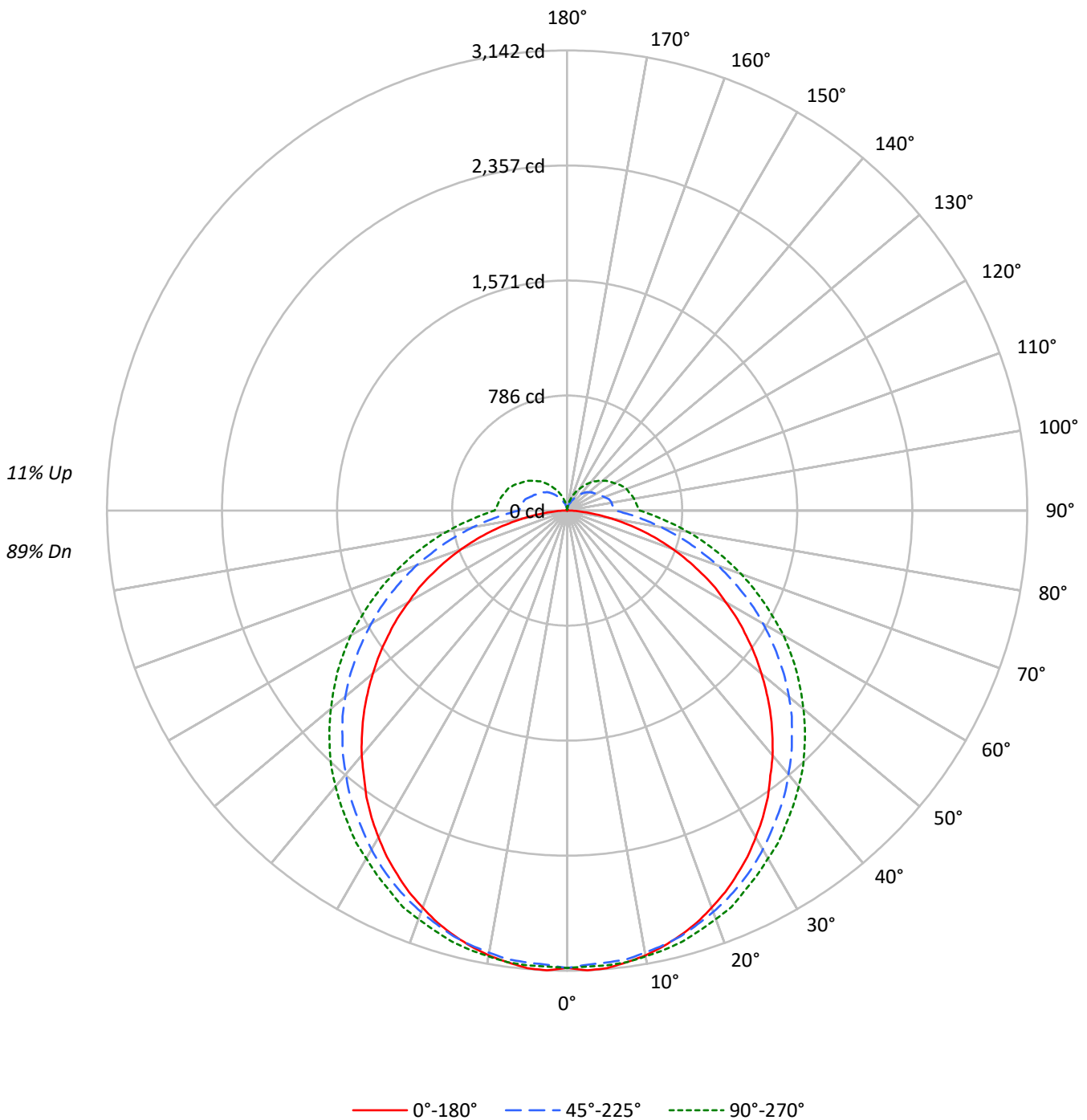
Lumens per Lamp: N/A  
Luminaire Lumens: 11118.0 lumens  
Efficiency: N/A  
Efficacy: 140.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')  
CIE Type: Semi-Direct

Input Watts (W): 79.4  
Input Voltage (V): NR  
Input Current (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	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°	16808	16808	16808
5°	16911	16051	15910
10°	16794	15428	15115
15°	16627	14824	14399
20°	16398	14195	13682
25°	16133	13591	12981
30°	15817	12967	12310
35°	15470	12341	11681
40°	15073	11729	11082
45°	14643	11114	10469
50°	14152	10480	9825
55°	13612	9771	9193
60°	12978	9031	8524
65°	12324	8231	7762
70°	11405	7375	7014
75°	10187	6376	6219
80°	8210	5365	5427
85°	5780	4427	4613



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	296.6	2.7
10°-20°	852.6	7.7
20°-30°	1296.4	11.7
30°-40°	1573.8	14.2
40°-50°	1663.0	15.0
50°-60°	1556.2	14.0
60°-70°	1276.8	11.5
70°-80°	878.2	7.9
80°-90°	481.0	4.3
90°-100°	309.7	2.8
100°-110°	277.9	2.5
110°-120°	230.0	2.1
120°-130°	177.1	1.6
130°-140°	124.5	1.1
140°-150°	75.0	0.7
150°-160°	35.9	0.3
160°-170°	11.8	0.1
170°-180°	1.4	0.0
0°-30°	2445.7	22.0
0°-40°	4019.5	36.2
0°-60°	7238.6	65.1
0°-90°	9874.7	88.8
90°-120°	817.6	7.4
90°-150°	1194.2	10.7
90°-180°	1243.0	11.2
0°-180°	11118.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3123	3123	3123	3123	3123	
5°	3136	3130	3097	3123	3117	297
15°	3001	3014	3007	3046	3046	846
25°	2743	2775	2808	2866	2866	1264
35°	2389	2447	2518	2589	2608	1492
45°	1964	2054	2170	2267	2292	1514
55°	1494	1616	1764	1874	1912	1337
65°	1011	1146	1320	1442	1481	1001
75°	528	670	863	998	1043	556
85°	116	277	470	599	644	134
90°	0	154	328	451	496	8
95°	0	148	316	431	476	0
105°	0	122	296	406	444	4
115°	6	110	251	361	406	6
125°	6	90	212	309	348	6
135°	6	71	174	251	283	5
145°	6	52	122	193	212	4
155°	6	32	77	122	142	3
165°	6	19	39	58	71	2
175°	6	6	13	13	6	1
180°	6	6	6	6	6	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3123.1	3123.1	3123.1	3123.1	3123.1
2.5°	3142.4	3136.0	3103.8	3129.5	3116.6
5°	3136.0	3129.5	3097.3	3123.1	3116.6
7.5°	3110.2	3110.2	3090.9	3116.6	3110.2
10°	3084.4	3084.4	3065.1	3097.3	3090.9
12.5°	3045.8	3052.2	3039.4	3078.0	3071.6
15°	3000.7	3013.6	3007.2	3045.8	3045.8
17.5°	2949.2	2962.1	2962.1	3007.2	3007.2
20°	2884.8	2904.1	2917.0	2968.5	2968.5
22.5°	2820.4	2846.2	2865.5	2910.6	2929.9
25°	2743.2	2775.3	2807.5	2865.5	2865.5
27.5°	2665.9	2704.5	2743.2	2801.1	2807.5
30°	2575.7	2620.8	2672.3	2730.3	2743.2
32.5°	2485.6	2543.5	2595.0	2665.9	2685.2
35°	2389.0	2446.9	2517.8	2588.6	2607.9
37.5°	2279.5	2350.4	2440.5	2517.8	2537.1
40°	2182.9	2260.2	2350.4	2440.5	2459.8
42.5°	2073.5	2157.2	2266.6	2350.4	2382.5
45°	1964.0	2054.1	2170.1	2266.6	2292.4
47.5°	1848.1	1951.1	2079.9	2170.1	2202.2
50°	1732.2	1841.6	1976.9	2079.9	2105.7
52.5°	1616.3	1732.2	1873.8	1976.9	2009.1
55°	1493.9	1616.3	1764.4	1873.8	1912.5
57.5°	1378.0	1500.4	1654.9	1770.8	1809.5
60°	1249.2	1390.9	1545.4	1661.3	1706.4
62.5°	1139.8	1268.5	1436.0	1551.9	1590.5
65°	1011.0	1146.2	1320.1	1442.4	1481.0
67.5°	888.6	1030.3	1204.2	1332.9	1371.6
70°	766.3	907.9	1094.7	1217.0	1262.1
72.5°	643.9	792.0	972.3	1107.6	1152.6
75°	528.0	669.7	862.9	998.1	1043.2
77.5°	405.7	560.2	753.4	888.6	940.1
80°	296.2	457.2	650.4	785.6	837.1
82.5°	199.6	360.6	553.8	689.0	740.5
85°	115.9	276.9	470.1	598.9	643.9
87.5°	58.0	212.5	392.8	521.6	566.7
90°	0.0	154.5	328.4	450.8	495.8
92.5°	0.0	148.1	322.0	437.9	482.9
95°	0.0	148.1	315.5	431.4	476.5
97.5°	0.0	141.7	309.1	431.4	470.1
100°	0.0	135.2	309.1	425.0	463.6
102.5°	0.0	128.8	302.6	418.6	457.2
105°	0.0	122.3	296.2	405.7	444.3
107.5°	6.4	122.3	283.3	399.2	437.9
110°	6.4	115.9	270.5	392.8	431.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	6.4	109.5	257.6	379.9	418.6
115°	6.4	109.5	251.1	360.6	405.7
117.5°	6.4	103.0	238.3	347.7	392.8
120°	6.4	103.0	231.8	334.8	373.5
122.5°	6.4	96.6	218.9	322.0	360.6
125°	6.4	90.2	212.5	309.1	347.7
127.5°	6.4	83.7	206.1	296.2	334.8
130°	6.4	77.3	193.2	283.3	315.5
132.5°	6.4	77.3	186.7	264.0	302.6
135°	6.4	70.8	173.9	251.1	283.3
137.5°	6.4	64.4	161.0	238.3	270.5
140°	6.4	58.0	148.1	225.4	251.1
142.5°	6.4	58.0	135.2	206.1	231.8
145°	6.4	51.5	122.3	193.2	212.5
147.5°	6.4	45.1	109.5	173.9	193.2
150°	6.4	45.1	96.6	154.5	173.9
152.5°	6.4	38.6	83.7	141.7	161.0
155°	6.4	32.2	77.3	122.3	141.7
157.5°	6.4	32.2	64.4	103.0	122.3
160°	6.4	25.8	58.0	83.7	103.0
162.5°	6.4	25.8	51.5	70.8	90.2
165°	6.4	19.3	38.6	58.0	70.8
167.5°	6.4	19.3	32.2	45.1	58.0
170°	6.4	12.9	25.8	32.2	45.1
172.5°	6.4	12.9	19.3	19.3	19.3
175°	6.4	6.4	12.9	12.9	6.4
177.5°	6.4	6.4	6.4	6.4	6.4
180°	6.4	6.4	6.4	6.4	6.4

(END OF REPORT)