

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: P567204

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567204
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-L840-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

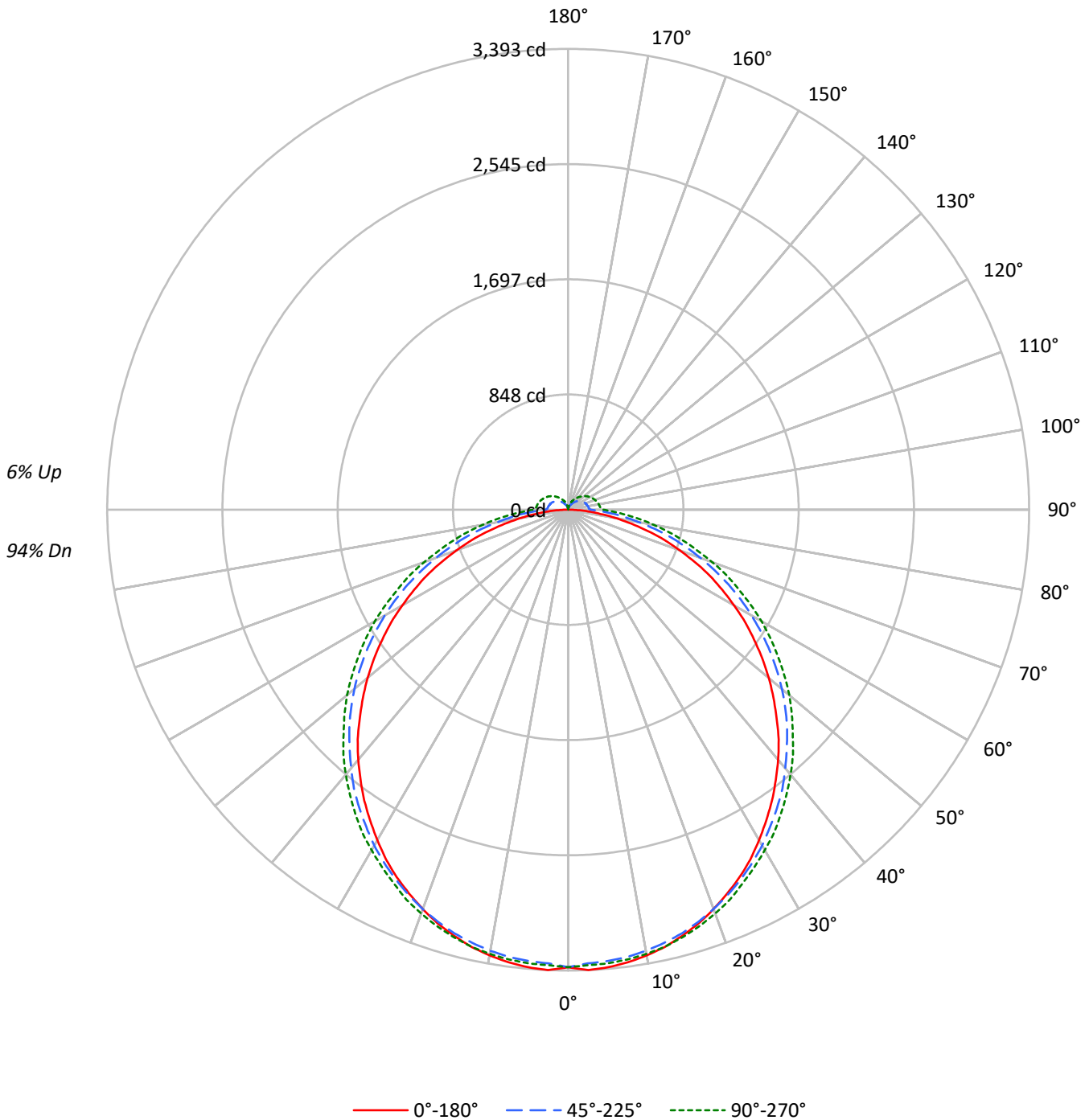
Lumens per Lamp: N/A
Luminaire Lumens: 10704.0 lumens
Efficiency: N/A
Efficacy: 134.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

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

TEST NUMBER: P567204

CATALOG NUMBER: 8SNX-114SL-FDL-UNV-L840-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567204

CATALOG NUMBER: 8SNX-114SL-FDL-UNV-L840-CD

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	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°	18128	18128	18128
5°	18261	17834	17855
10°	18194	17646	17631
15°	18066	17429	17379
20°	17890	17164	17083
25°	17686	16874	16732
30°	17406	16577	16409
35°	17124	16229	16071
40°	16813	15843	15691
45°	16419	15462	15248
50°	16041	15027	14843
55°	15572	14488	14281
60°	15045	13872	13727
65°	14491	13136	12964
70°	13526	12210	12173
75°	12373	11118	11227
80°	10672	9669	10178
85°	8620	8426	8945



TEST NUMBER: P567204

CATALOG NUMBER: 8SNX-114SL-FDL-UNV-L840-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.4	3.0
10°-20°	916.7	8.6
20°-30°	1389.1	13.0
30°-40°	1677.0	15.7
40°-50°	1751.2	16.4
50°-60°	1608.8	15.0
60°-70°	1272.2	11.9
70°-80°	805.2	7.5
80°-90°	346.1	3.2
90°-100°	152.3	1.4
100°-110°	136.3	1.3
110°-120°	115.2	1.1
120°-130°	89.8	0.8
130°-140°	62.1	0.6
140°-150°	37.3	0.3
150°-160°	18.2	0.2
160°-170°	6.3	0.1
170°-180°	0.9	0.0
0°-30°	2625.2	24.5
0°-40°	4302.2	40.2
0°-60°	7662.1	71.6
0°-90°	10085.6	94.2
90°-120°	403.8	3.8
90°-150°	593.0	5.5
90°-180°	618.0	5.8
0°-180°	10704.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3368	3368	3368	3368	3368	
5°	3382	3372	3336	3365	3353	321
15°	3247	3247	3230	3264	3258	916
25°	2986	2999	3002	3042	3037	1375
35°	2616	2646	2680	2722	2732	1635
45°	2168	2222	2278	2322	2337	1675
55°	1672	1740	1812	1871	1884	1496
65°	1151	1215	1300	1361	1382	1133
75°	607	679	777	844	876	643
85°	148	228	326	396	421	163
90°	10	82	167	233	258	12
95°	2	70	152	212	235	2
105°	2	64	142	199	220	2
115°	2	55	129	180	199	2
125°	4	49	108	155	172	3
135°	4	38	87	123	138	3
145°	4	28	61	93	102	2
155°	4	19	40	59	70	2
165°	6	13	21	28	40	2
175°	6	8	10	10	6	1
180°	6	6	6	6	6	



TEST NUMBER: P567204

CATALOG NUMBER: 8SNX-114SL-FDL-UNV-L840-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3368.3	3368.3	3368.3	3368.3	3368.3
2.5°	3393.0	3381.6	3343.7	3370.2	3357.0
5°	3381.6	3372.1	3336.1	3364.6	3353.2
7.5°	3360.8	3353.2	3321.0	3351.3	3339.9
10°	3332.3	3326.6	3298.2	3328.5	3321.0
12.5°	3296.3	3294.4	3266.0	3300.1	3294.4
15°	3247.0	3247.0	3230.0	3264.1	3258.4
17.5°	3194.0	3195.9	3182.6	3218.6	3214.8
20°	3129.5	3139.0	3129.5	3167.4	3163.6
22.5°	3059.4	3072.6	3068.9	3106.8	3108.7
25°	2985.5	2998.7	3002.5	3042.3	3036.6
27.5°	2903.9	2924.8	2932.4	2968.4	2966.5
30°	2809.2	2837.6	2854.7	2885.0	2894.5
32.5°	2712.5	2746.6	2767.5	2809.2	2820.5
35°	2615.8	2646.2	2680.3	2722.0	2731.5
37.5°	2509.7	2543.8	2589.3	2629.1	2640.5
40°	2403.5	2441.4	2485.0	2528.6	2545.7
42.5°	2293.6	2333.4	2380.8	2432.0	2449.0
45°	2168.5	2221.6	2278.4	2322.0	2337.2
47.5°	2049.1	2107.8	2168.5	2215.9	2232.9
50°	1927.7	1990.3	2054.7	2098.3	2124.9
52.5°	1800.7	1869.0	1933.4	1988.4	2005.5
55°	1671.9	1740.1	1812.1	1870.9	1884.2
57.5°	1546.7	1613.1	1685.1	1740.1	1766.6
60°	1410.3	1482.3	1560.0	1615.0	1643.4
62.5°	1277.6	1347.7	1431.1	1489.9	1512.6
65°	1150.6	1215.0	1300.3	1361.0	1381.8
67.5°	1010.3	1084.2	1165.7	1235.9	1262.4
70°	871.9	942.1	1035.0	1101.3	1127.8
72.5°	743.0	811.3	904.2	970.5	995.2
75°	606.6	678.6	777.2	843.5	875.7
77.5°	475.8	555.4	650.2	722.2	758.2
80°	354.5	424.6	527.0	606.6	638.8
82.5°	240.7	316.6	422.7	496.6	532.6
85°	147.9	227.5	326.0	396.2	420.8
87.5°	70.1	146.0	236.9	305.2	335.5
90°	9.5	81.5	166.8	233.1	257.8
92.5°	1.9	70.1	153.5	216.1	238.8
95°	1.9	70.1	151.6	212.3	235.0
97.5°	1.9	68.2	149.7	210.4	231.3
100°	1.9	66.3	147.9	206.6	229.4
102.5°	1.9	66.3	144.1	202.8	223.7
105°	1.9	64.4	142.2	199.0	219.9
107.5°	1.9	62.6	138.4	195.2	216.1
110°	1.9	58.8	136.5	189.6	210.4



TEST NUMBER: P567204

CATALOG NUMBER: 8SNX-114SL-FDL-UNV-L840-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.9	56.9	132.7	185.8	204.7
115°	1.9	55.0	128.9	180.1	199.0
117.5°	1.9	53.1	123.2	174.4	193.3
120°	3.8	53.1	119.4	168.7	185.8
122.5°	3.8	51.2	113.7	161.1	178.2
125°	3.8	49.3	108.0	155.4	172.5
127.5°	3.8	47.4	102.4	147.9	163.0
130°	3.8	43.6	98.6	140.3	155.4
132.5°	3.8	41.7	92.9	130.8	146.0
135°	3.8	37.9	87.2	123.2	138.4
137.5°	3.8	36.0	81.5	115.6	128.9
140°	3.8	34.1	73.9	108.0	121.3
142.5°	3.8	30.3	68.2	100.5	111.8
145°	3.8	28.4	60.7	92.9	102.4
147.5°	3.8	24.6	55.0	85.3	94.8
150°	3.8	22.7	49.3	77.7	87.2
152.5°	3.8	20.9	43.6	68.2	77.7
155°	3.8	19.0	39.8	58.8	70.1
157.5°	3.8	17.1	34.1	51.2	62.6
160°	5.7	15.2	30.3	43.6	53.1
162.5°	5.7	13.3	24.6	36.0	47.4
165°	5.7	13.3	20.9	28.4	39.8
167.5°	5.7	11.4	17.1	22.7	32.2
170°	5.7	9.5	15.2	17.1	24.6
172.5°	5.7	7.6	11.4	11.4	13.3
175°	5.7	7.6	9.5	9.5	5.7
177.5°	5.7	5.7	5.7	5.7	3.8
180°	5.7	5.7	5.7	5.7	5.7

(END OF REPORT)