

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: P567203

Luminaire Tested: **8SNX-114SL-FDL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567203
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-L835-CD
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

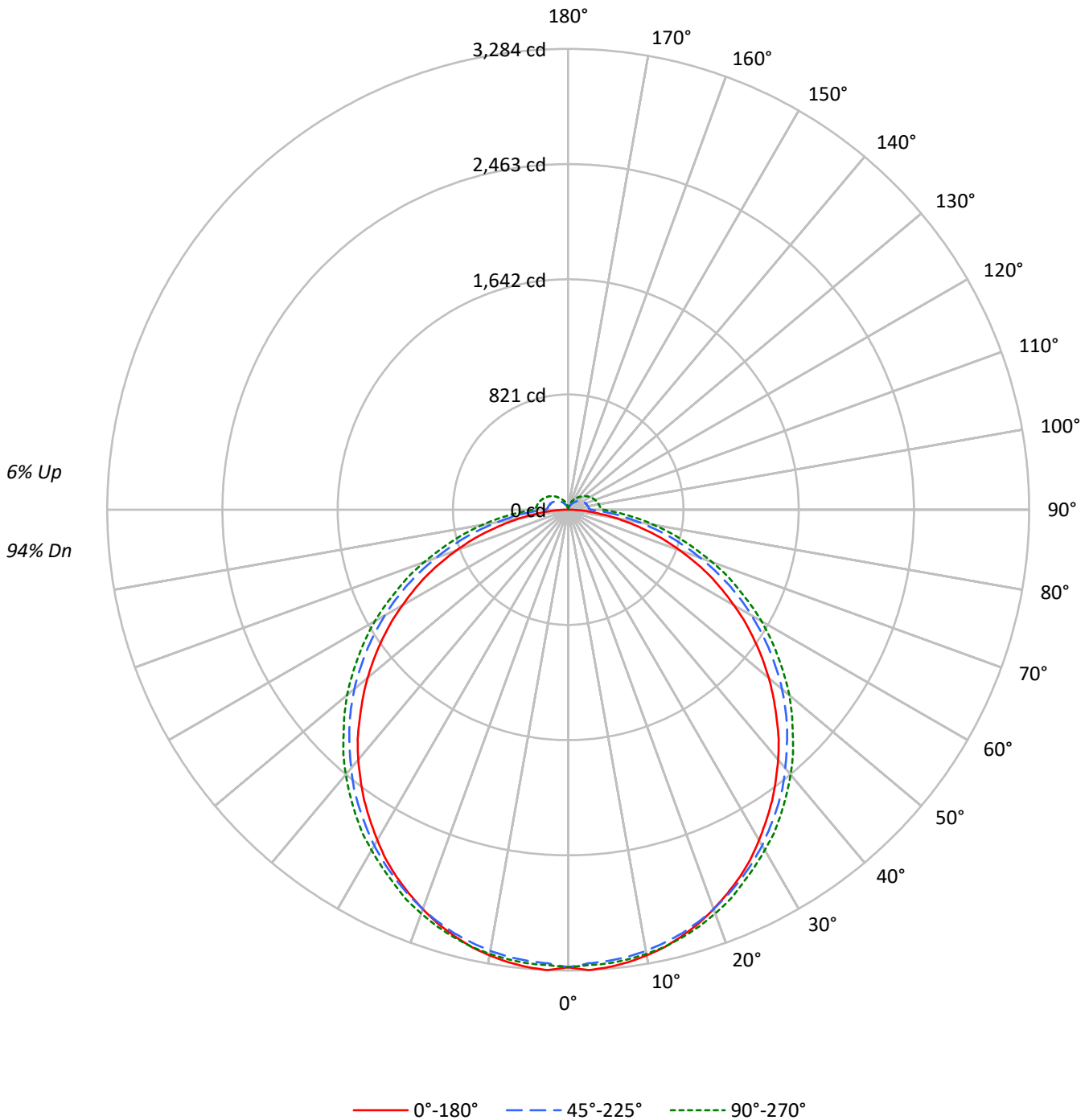
Lumens per Lamp: N/A
Luminaire Lumens: 10361.0 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

Input Watts (W): 79.4
Input Voltage (V): NR
Input Current (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	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°	17547	17547	17547
5°	17676	17262	17283
10°	17612	17081	17066
15°	17488	16871	16822
20°	17316	16614	16536
25°	17119	16333	16196
30°	16848	16046	15883
35°	16575	15709	15555
40°	16274	15336	15188
45°	15893	14967	14759
50°	15527	14546	14367
55°	15073	14025	13823
60°	14562	13427	13287
65°	14026	12715	12549
70°	13094	11818	11783
75°	11976	10762	10868
80°	10329	9359	9851
85°	8340	8157	8658



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	309.2	3.0
10°-20°	887.3	8.6
20°-30°	1344.6	13.0
30°-40°	1623.2	15.7
40°-50°	1695.0	16.4
50°-60°	1557.2	15.0
60°-70°	1231.4	11.9
70°-80°	779.4	7.5
80°-90°	335.0	3.2
90°-100°	147.4	1.4
100°-110°	132.0	1.3
110°-120°	111.5	1.1
120°-130°	86.9	0.8
130°-140°	60.2	0.6
140°-150°	36.1	0.3
150°-160°	17.6	0.2
160°-170°	6.1	0.1
170°-180°	0.9	0.0
0°-30°	2541.1	24.5
0°-40°	4164.3	40.2
0°-60°	7416.6	71.6
0°-90°	9762.4	94.2
90°-120°	390.9	3.8
90°-150°	574.0	5.5
90°-180°	599.0	5.8
0°-180°	10361.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3260	3260	3260	3260	3260	
5°	3273	3264	3229	3257	3246	311
15°	3143	3143	3126	3160	3154	887
25°	2890	2903	2906	2945	2939	1331
35°	2532	2561	2594	2635	2644	1583
45°	2099	2150	2205	2248	2262	1621
55°	1618	1684	1754	1811	1824	1448
65°	1114	1176	1259	1317	1338	1097
75°	587	657	752	816	848	622
85°	143	220	316	384	407	158
90°	9	79	162	226	250	12
95°	2	68	147	206	228	1
105°	2	62	138	193	213	2
115°	2	53	125	174	193	2
125°	4	48	105	150	167	3
135°	4	37	84	119	134	3
145°	4	28	59	90	99	2
155°	4	18	38	57	68	2
165°	6	13	20	28	38	2
175°	6	7	9	9	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3260.4	3260.4	3260.4	3260.4	3260.4
2.5°	3284.3	3273.3	3236.6	3262.2	3249.4
5°	3273.3	3264.1	3229.2	3256.7	3245.7
7.5°	3253.1	3245.7	3214.5	3243.9	3232.9
10°	3225.6	3220.0	3192.5	3221.9	3214.5
12.5°	3190.7	3188.9	3161.3	3194.4	3188.9
15°	3143.0	3143.0	3126.5	3159.5	3154.0
17.5°	3091.6	3093.4	3080.6	3115.5	3111.8
20°	3029.2	3038.4	3029.2	3065.9	3062.3
22.5°	2961.3	2974.2	2970.5	3007.2	3009.0
25°	2889.8	2902.6	2906.3	2944.8	2939.3
27.5°	2810.9	2831.1	2838.4	2873.3	2871.4
30°	2719.2	2746.7	2763.2	2792.5	2801.7
32.5°	2625.6	2658.6	2678.8	2719.2	2730.2
35°	2532.0	2561.4	2594.4	2634.8	2643.9
37.5°	2429.3	2462.3	2506.3	2544.8	2555.9
40°	2326.5	2363.2	2405.4	2447.6	2464.1
42.5°	2220.1	2258.6	2304.5	2354.0	2370.5
45°	2099.0	2150.4	2205.4	2247.6	2262.3
47.5°	1983.4	2040.3	2099.0	2144.9	2161.4
50°	1866.0	1926.5	1988.9	2031.1	2056.8
52.5°	1743.0	1809.1	1871.5	1924.7	1941.2
55°	1618.3	1684.3	1754.1	1810.9	1823.8
57.5°	1497.2	1561.4	1631.1	1684.3	1710.0
60°	1365.1	1434.8	1510.0	1563.2	1590.8
62.5°	1236.6	1304.5	1385.3	1442.1	1464.2
65°	1113.7	1176.1	1258.7	1317.4	1337.6
67.5°	977.9	1049.5	1128.4	1196.3	1222.0
70°	844.0	911.9	1001.8	1066.0	1091.7
72.5°	719.2	785.3	875.2	939.4	963.3
75°	587.1	656.9	752.3	816.5	847.7
77.5°	460.5	537.6	629.3	699.1	733.9
80°	343.1	411.0	510.1	587.1	618.3
82.5°	233.0	306.4	409.2	480.7	515.6
85°	143.1	220.2	315.6	383.5	407.3
87.5°	67.9	141.3	229.3	295.4	324.8
90°	9.2	78.9	161.5	225.7	249.5
92.5°	1.8	67.9	148.6	209.2	231.2
95°	1.8	67.9	146.8	205.5	227.5
97.5°	1.8	66.1	144.9	203.7	223.8
100°	1.8	64.2	143.1	200.0	222.0
102.5°	1.8	64.2	139.4	196.3	216.5
105°	1.8	62.4	137.6	192.7	212.8
107.5°	1.8	60.5	133.9	189.0	209.2
110°	1.8	56.9	132.1	183.5	203.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	55.0	128.4	179.8	198.2
115°	1.8	53.2	124.8	174.3	192.7
117.5°	1.8	51.4	119.3	168.8	187.1
120°	3.7	51.4	115.6	163.3	179.8
122.5°	3.7	49.5	110.1	156.0	172.5
125°	3.7	47.7	104.6	150.5	167.0
127.5°	3.7	45.9	99.1	143.1	157.8
130°	3.7	42.2	95.4	135.8	150.5
132.5°	3.7	40.4	89.9	126.6	141.3
135°	3.7	36.7	84.4	119.3	133.9
137.5°	3.7	34.9	78.9	111.9	124.8
140°	3.7	33.0	71.6	104.6	117.4
142.5°	3.7	29.4	66.1	97.2	108.3
145°	3.7	27.5	58.7	89.9	99.1
147.5°	3.7	23.9	53.2	82.6	91.7
150°	3.7	22.0	47.7	75.2	84.4
152.5°	3.7	20.2	42.2	66.1	75.2
155°	3.7	18.3	38.5	56.9	67.9
157.5°	3.7	16.5	33.0	49.5	60.5
160°	5.5	14.7	29.4	42.2	51.4
162.5°	5.5	12.8	23.9	34.9	45.9
165°	5.5	12.8	20.2	27.5	38.5
167.5°	5.5	11.0	16.5	22.0	31.2
170°	5.5	9.2	14.7	16.5	23.9
172.5°	5.5	7.3	11.0	11.0	12.8
175°	5.5	7.3	9.2	9.2	5.5
177.5°	5.5	5.5	5.5	5.5	3.7
180°	5.5	5.5	5.5	5.5	5.5

(END OF REPORT)