

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: P567219

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567219  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-114SL-LN-UNV-L835-CD  
Description: 8FT 11400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

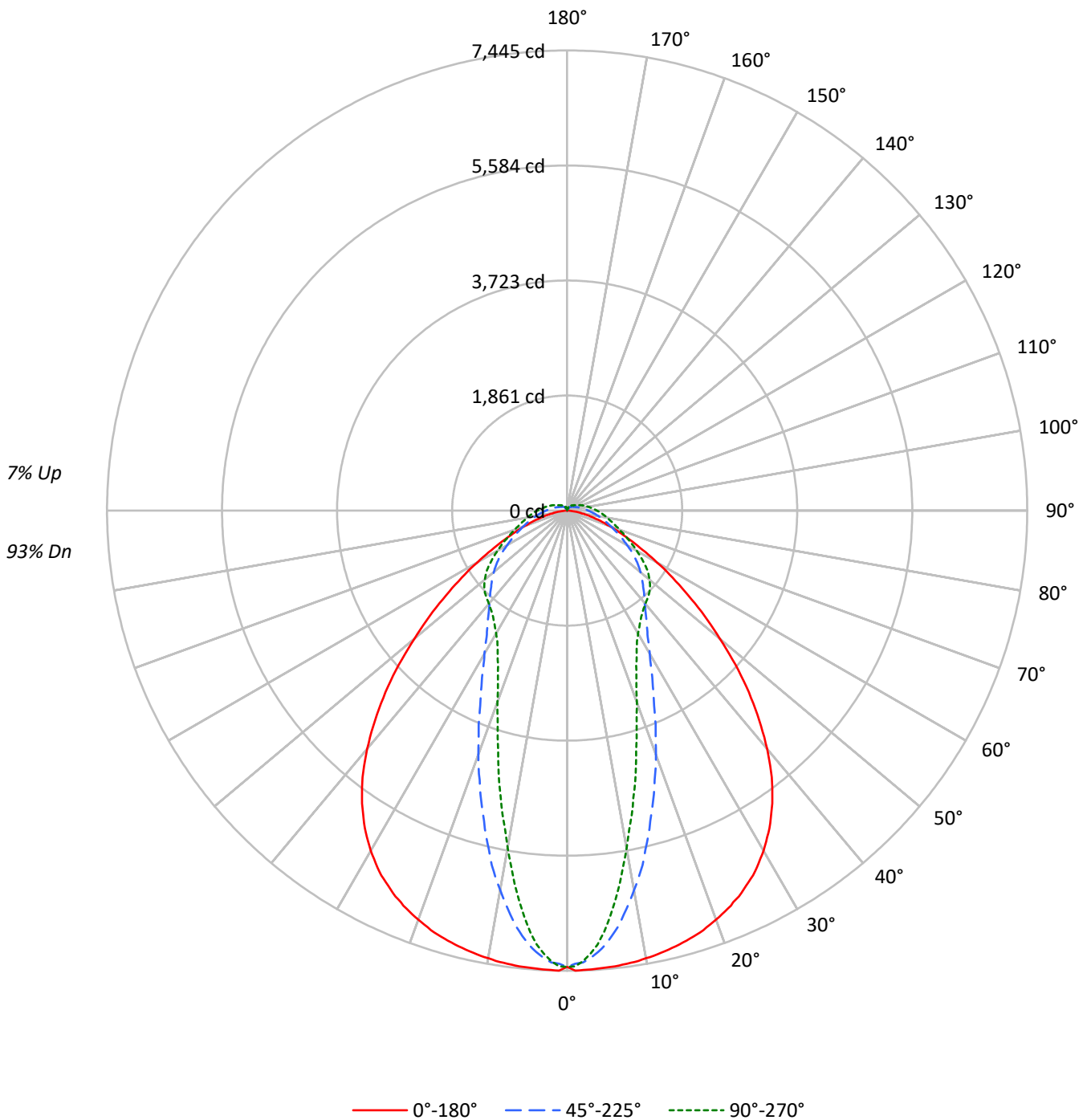
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 11769.0 lumens  
Efficiency: N/A  
Efficacy: 148.2 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')  
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: P567219  
CATALOG NUMBER: 8SNX-114SL-LN-UNV-L835-CD

### 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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	39735	39735	39735
5°	40014	36565	34949
10°	40033	31388	27116
15°	40088	25632	20323
20°	40039	20440	15209
25°	39757	16034	12071
30°	39012	12990	10296
35°	37465	11005	9366
40°	34753	9726	8865
45°	30996	8908	8591
50°	26355	8208	8116
55°	21750	7447	7412
60°	17494	6560	6501
65°	13685	5768	5657
70°	10742	5111	5004
75°	8449	4603	4559
80°	6153	4223	4238
85°	3691	3950	4065



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	653.8	5.6
10°-20°	1532.6	13.0
20°-30°	1819.2	15.5
30°-40°	1830.3	15.6
40°-50°	1701.3	14.5
50°-60°	1400.9	11.9
60°-70°	987.2	8.4
70°-80°	644.9	5.5
80°-90°	411.7	3.5
90°-100°	270.0	2.3
100°-110°	183.3	1.6
110°-120°	125.6	1.1
120°-130°	86.9	0.7
130°-140°	58.5	0.5
140°-150°	36.1	0.3
150°-160°	18.7	0.2
160°-170°	6.8	0.1
170°-180°	1.2	0.0
0°-30°	4005.5	34.0
0°-40°	5835.8	49.6
0°-60°	8938.0	75.9
0°-90°	10981.9	93.3
90°-120°	579.0	4.9
90°-150°	760.5	6.5
90°-180°	787.0	6.7
0°-180°	11769.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	7383	7383	7383	7383	7383	
5°	7420	7321	7056	6920	6846	706
15°	7235	6464	5200	4546	4299	2043
25°	6760	4996	3312	2782	2665	3111
35°	5786	3380	2245	2103	2091	3598
45°	4157	2227	1739	1832	1881	3191
55°	2387	1462	1345	1493	1542	2156
65°	1123	882	925	1042	1079	1139
75°	438	456	623	734	765	474
85°	74	210	419	543	568	93
90°	0	142	339	463	481	4
95°	0	105	284	389	407	0
105°	0	74	191	271	296	0
115°	6	62	136	197	210	5
125°	6	49	111	142	154	6
135°	6	43	86	111	117	5
145°	6	31	62	86	92	4
155°	6	25	43	62	68	3
165°	6	12	25	31	37	2
175°	12	12	12	12	6	1
180°	6	6	6	6	6	



TEST NUMBER: P567219

CATALOG NUMBER: 8SNX-114SL-LN-UNV-L835-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	7383.0	7383.0	7383.0	7383.0	7383.0
1°	7444.7	7413.9	7333.7	7389.2	7376.9
2°	7438.6	7407.7	7315.2	7339.9	7296.7
3°	7432.4	7389.2	7247.4	7241.2	7179.5
4°	7426.2	7358.4	7161.0	7087.0	7037.6
5°	7420.1	7321.4	7056.1	6920.4	6846.4
6°	7413.9	7278.2	6920.4	6716.9	6612.1
7°	7401.6	7210.3	6778.6	6501.0	6365.3
8°	7389.2	7148.7	6599.7	6266.6	6100.1
9°	7376.9	7068.5	6420.8	6013.8	5816.4
10°	7352.2	6988.3	6235.8	5754.7	5545.0
11°	7339.9	6895.8	6056.9	5508.0	5261.3
12°	7315.2	6797.1	5865.7	5248.9	5033.1
13°	7290.5	6692.2	5631.3	5026.9	4767.8
14°	7265.9	6581.2	5427.8	4780.2	4539.6
15°	7235.0	6464.0	5199.6	4545.8	4299.1
16°	7204.2	6328.3	4996.0	4305.2	4046.2
17°	7173.3	6198.8	4804.8	4083.2	3848.8
18°	7136.3	6069.3	4582.8	3867.3	3639.1
19°	7087.0	5921.2	4403.9	3669.9	3460.2
20°	7043.8	5785.5	4200.4	3484.9	3299.9
21°	6994.5	5619.0	3996.8	3312.2	3127.2
22.5°	6920.4	5384.6	3737.8	3096.3	2923.6
23°	6883.4	5316.8	3632.9	3016.1	2868.1
24°	6834.1	5137.9	3460.2	2892.8	2744.7
25°	6760.1	4996.0	3312.2	2781.7	2664.6
26°	6692.2	4823.3	3164.2	2683.1	2565.9
27°	6624.4	4656.8	3034.6	2578.2	2479.5
28°	6538.0	4484.1	2892.8	2491.9	2405.5
29°	6445.5	4323.7	2775.6	2417.8	2350.0
30°	6353.0	4144.9	2676.9	2350.0	2294.5
32.5°	6093.9	3750.1	2424.0	2220.5	2183.5
35°	5785.5	3380.0	2245.1	2103.3	2090.9
37.5°	5440.1	3040.8	2084.8	2010.8	2023.1
40°	5033.1	2732.4	1949.1	1942.9	1967.6
42.5°	4601.3	2467.2	1844.2	1887.4	1924.4
45°	4157.2	2226.6	1739.4	1831.9	1881.2
47.5°	3694.6	2016.9	1646.8	1764.0	1819.5
50°	3225.8	1813.4	1548.2	1683.9	1739.4
52.5°	2806.4	1634.5	1449.5	1591.3	1653.0
55°	2387.0	1461.8	1344.6	1492.6	1542.0
57.5°	2023.1	1301.4	1233.6	1381.6	1418.6
60°	1683.9	1147.2	1122.6	1258.3	1301.4
62.5°	1375.5	1011.5	1017.7	1147.2	1190.4
65°	1122.6	882.0	925.2	1042.4	1079.4



TEST NUMBER: P567219

CATALOG NUMBER: 8SNX-114SL-LN-UNV-L835-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	912.9	758.7	832.7	956.0	986.9
70°	721.7	647.6	758.7	869.7	900.5
72.5°	573.6	548.9	684.6	801.8	826.5
75°	437.9	456.4	623.0	734.0	764.8
77.5°	314.6	382.4	561.3	678.5	703.1
80°	222.0	314.6	511.9	629.1	653.8
82.5°	141.9	259.1	462.6	586.0	610.6
85°	74.0	209.7	419.4	542.8	567.5
87.5°	30.8	172.7	376.2	499.6	524.3
90°	0.0	141.9	339.2	462.6	481.1
92.5°	0.0	123.4	308.4	425.6	444.1
95°	0.0	104.9	283.7	388.6	407.1
97.5°	0.0	98.7	252.9	357.7	376.2
100°	0.0	86.4	228.2	326.9	351.6
102.5°	0.0	80.2	209.7	296.1	320.7
105°	0.0	74.0	191.2	271.4	296.1
107.5°	0.0	67.8	178.9	252.9	271.4
110°	0.0	67.8	160.4	234.4	252.9
112.5°	6.2	61.7	148.0	209.7	228.2
115°	6.2	61.7	135.7	197.4	209.7
117.5°	6.2	61.7	129.5	178.9	191.2
120°	6.2	55.5	123.4	166.5	178.9
122.5°	6.2	55.5	117.2	154.2	160.4
125°	6.2	49.3	111.0	141.9	154.2
127.5°	6.2	49.3	104.9	135.7	141.9
130°	6.2	49.3	98.7	123.4	135.7
132.5°	6.2	43.2	92.5	117.2	123.4
135°	6.2	43.2	86.4	111.0	117.2
137.5°	6.2	37.0	80.2	104.9	111.0
140°	6.2	37.0	74.0	98.7	104.9
142.5°	6.2	30.8	67.8	92.5	98.7
145°	6.2	30.8	61.7	86.4	92.5
147.5°	6.2	30.8	55.5	80.2	86.4
150°	6.2	24.7	49.3	74.0	80.2
152.5°	6.2	24.7	43.2	67.8	74.0
155°	6.2	24.7	43.2	61.7	67.8
157.5°	6.2	18.5	37.0	49.3	61.7
160°	6.2	18.5	30.8	43.2	55.5
162.5°	6.2	18.5	30.8	37.0	43.2
165°	6.2	12.3	24.7	30.8	37.0
167.5°	6.2	12.3	18.5	24.7	30.8
170°	6.2	12.3	18.5	18.5	24.7
172.5°	6.2	12.3	12.3	12.3	12.3
175°	12.3	12.3	12.3	12.3	6.2
177.5°	12.3	12.3	12.3	6.2	6.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	6.2	6.2	6.2	6.2	6.2

(END OF REPORT)