

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: P568123

Luminaire Tested: **8SNX-96SL-LC-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568123  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-96SL-LC-UNV-L835-CD  
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

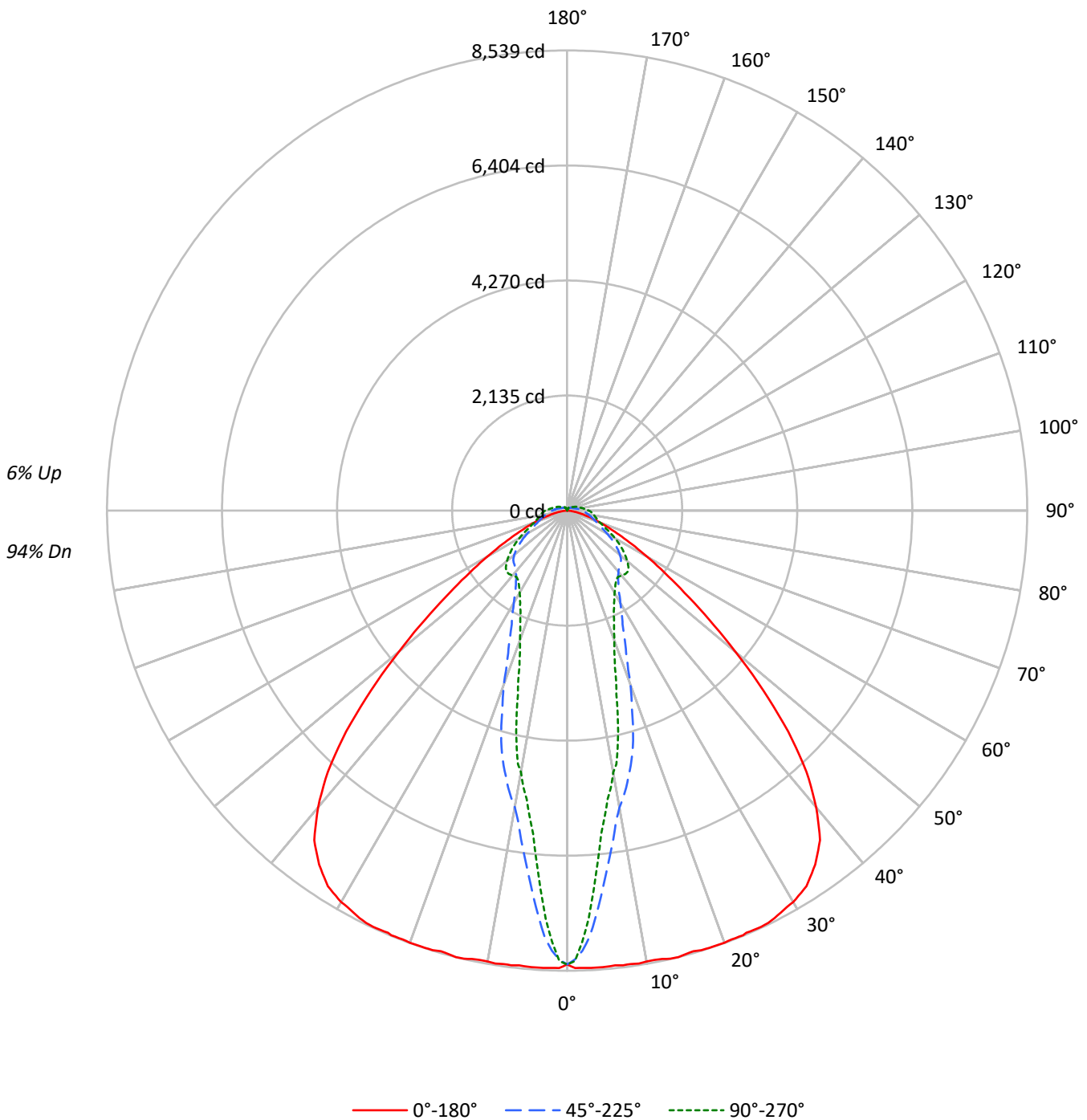
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10381.0 lumens  
Efficiency: N/A  
Efficacy: 161.7 lumens/watt  
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 64.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P568123  
CATALOG NUMBER: 8SNX-96SL-LC-UNV-L835-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P568123

CATALOG NUMBER: 8SNX-96SL-LC-UNV-L835-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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30

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

	0°	45°	90°
0°	45325	45325	45325
5°	45817	37273	33322
10°	46261	28171	24116
15°	47193	23053	16699
20°	48505	16698	11794
25°	50124	11975	9278
30°	51519	9577	7902
35°	51952	8110	7077
40°	49664	7380	7095
45°	43235	7138	7288
50°	33294	6797	6801
55°	24238	5951	6035
60°	17686	4974	5102
65°	12970	4212	4183
70°	9660	3728	3607
75°	6981	3459	3362
80°	4718	3248	3311
85°	2389	3106	3315



TEST NUMBER: P568123

CATALOG NUMBER: 8SNX-96SL-LC-UNV-L835-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	662.3	6.4
10°-20°	1438.2	13.9
20°-30°	1646.2	15.9
30°-40°	1649.2	15.9
40°-50°	1561.1	15.0
50°-60°	1197.3	11.5
60°-70°	771.7	7.4
70°-80°	492.1	4.7
80°-90°	326.8	3.1
90°-100°	219.7	2.1
100°-110°	144.7	1.4
110°-120°	100.7	1.0
120°-130°	70.2	0.7
130°-140°	48.8	0.5
140°-150°	29.8	0.3
150°-160°	15.1	0.1
160°-170°	5.8	0.1
170°-180°	1.1	0.0
0°-30°	3746.7	36.1
0°-40°	5395.9	52.0
0°-60°	8154.3	78.6
0°-90°	9744.9	93.9
90°-120°	465.1	4.5
90°-150°	613.9	5.9
90°-180°	636.0	6.1
0°-180°	10381.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	8422	8422	8422	8422	8422	
5°	8496	8028	7193	6708	6528	811
15°	8517	6134	4676	3841	3532	2416
25°	8523	4341	2474	2149	2048	3929
35°	8023	2415	1654	1601	1580	4978
45°	5799	1527	1394	1543	1596	4409
55°	2660	1091	1075	1208	1256	2446
65°	1064	686	676	771	798	1094
75°	362	372	468	537	564	398
85°	48	170	330	431	463	66
90°	0	117	277	383	399	2
95°	0	85	229	314	330	0
105°	0	64	149	213	229	3
115°	5	53	112	154	165	5
125°	5	48	96	112	117	5
135°	5	37	74	90	96	4
145°	5	27	53	69	74	3
155°	5	16	32	48	53	3
165°	11	11	21	27	32	3
175°	11	11	11	11	5	1
180°	11	11	11	11	11	



TEST NUMBER: P568123

CATALOG NUMBER: 8SNX-96SL-LC-UNV-L835-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	8421.6	8421.6	8421.6	8421.6	8421.6
1°	8490.7	8442.9	8331.1	8363.1	8357.7
2°	8490.7	8389.7	8171.5	8107.7	8011.9
3°	8496.1	8299.2	7926.8	7719.3	7586.3
4°	8496.1	8166.2	7565.0	7219.2	7049.0
5°	8496.1	8027.9	7192.6	6708.5	6527.6
6°	8485.4	7863.0	6814.9	6304.2	6032.9
7°	8501.4	7682.1	6474.4	5926.5	5713.7
8°	8496.1	7469.3	6160.6	5639.2	5405.1
9°	8512.0	7261.8	5820.1	5367.9	5192.3
10°	8496.1	7070.3	5596.6	5112.5	4931.6
11°	8496.1	6884.1	5437.0	4947.6	4793.3
12°	8506.7	6671.3	5261.5	4713.5	4500.7
13°	8533.3	6453.2	5059.3	4458.2	4208.1
14°	8538.6	6288.2	4873.1	4133.6	3873.0
15°	8517.3	6134.0	4676.3	3841.0	3532.5
16°	8506.7	5974.4	4442.2	3564.4	3287.8
17°	8528.0	5788.2	4176.2	3282.4	3027.1
18°	8533.3	5617.9	3894.2	3069.6	2846.2
19°	8533.3	5484.9	3665.5	2872.8	2681.3
20°	8533.3	5357.2	3431.4	2723.8	2558.9
21°	8522.7	5197.6	3165.4	2569.6	2431.2
22.5°	8528.0	4899.7	2862.2	2388.7	2277.0
23°	8512.0	4825.2	2787.7	2340.8	2223.8
24°	8517.3	4612.4	2628.1	2245.0	2133.3
25°	8522.7	4341.1	2473.8	2149.3	2048.2
26°	8512.0	4123.0	2346.1	2058.8	1989.7
27°	8485.4	3947.4	2255.7	1984.4	1920.5
28°	8448.2	3713.4	2159.9	1920.5	1862.0
29°	8410.9	3447.4	2064.2	1851.4	1808.8
30°	8389.7	3234.6	1973.7	1798.2	1760.9
32.5°	8262.0	2814.3	1787.5	1691.8	1659.8
35°	8022.6	2415.3	1654.5	1601.3	1580.0
37.5°	7708.7	2106.7	1553.4	1542.8	1548.1
40°	7192.6	1862.0	1479.0	1526.8	1574.7
42.5°	6575.5	1670.5	1425.8	1542.8	1596.0
45°	5798.8	1526.8	1393.8	1542.8	1596.0
47.5°	4937.0	1409.8	1356.6	1489.6	1542.8
50°	4075.1	1303.4	1282.1	1409.8	1457.7
52.5°	3314.4	1202.3	1186.4	1308.7	1356.6
55°	2660.0	1090.6	1074.6	1207.6	1255.5
57.5°	2133.3	984.2	968.2	1090.6	1138.5
60°	1702.4	877.8	851.2	973.6	1021.4
62.5°	1356.6	776.7	760.8	867.2	909.7
65°	1064.0	686.3	675.6	771.4	798.0



TEST NUMBER: P568123

CATALOG NUMBER: 8SNX-96SL-LC-UNV-L835-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	840.6	601.2	606.5	686.3	718.2
70°	649.0	521.4	553.3	627.8	649.0
72.5°	489.4	441.6	510.7	574.6	601.2
75°	361.8	372.4	468.2	537.3	563.9
77.5°	250.0	308.6	430.9	505.4	532.0
80°	170.2	250.0	393.7	478.8	510.7
82.5°	101.1	207.5	361.8	452.2	489.4
85°	47.9	170.2	329.8	430.9	462.8
87.5°	16.0	138.3	297.9	409.6	436.2
90°	0.0	117.0	276.6	383.0	399.0
92.5°	0.0	101.1	250.0	351.1	361.8
95°	0.0	85.1	228.8	313.9	329.8
97.5°	0.0	79.8	212.8	282.0	303.2
100°	0.0	74.5	191.5	255.4	276.6
102.5°	0.0	63.8	170.2	228.8	250.0
105°	0.0	63.8	149.0	212.8	228.8
107.5°	5.3	58.5	138.3	191.5	212.8
110°	5.3	58.5	122.4	180.9	196.8
112.5°	5.3	58.5	117.0	164.9	186.2
115°	5.3	53.2	111.7	154.3	164.9
117.5°	5.3	53.2	106.4	138.3	149.0
120°	5.3	47.9	101.1	127.7	133.0
122.5°	5.3	47.9	95.8	117.0	122.4
125°	5.3	47.9	95.8	111.7	117.0
127.5°	5.3	42.6	90.4	106.4	106.4
130°	5.3	42.6	85.1	101.1	101.1
132.5°	5.3	37.2	79.8	95.8	101.1
135°	5.3	37.2	74.5	90.4	95.8
137.5°	5.3	31.9	69.2	85.1	90.4
140°	5.3	31.9	63.8	79.8	85.1
142.5°	5.3	26.6	58.5	74.5	79.8
145°	5.3	26.6	53.2	69.2	74.5
147.5°	5.3	26.6	47.9	63.8	69.2
150°	5.3	21.3	42.6	58.5	63.8
152.5°	5.3	21.3	37.2	53.2	58.5
155°	5.3	16.0	31.9	47.9	53.2
157.5°	5.3	16.0	31.9	42.6	47.9
160°	10.6	16.0	26.6	37.2	42.6
162.5°	5.3	10.6	26.6	31.9	37.2
165°	10.6	10.6	21.3	26.6	31.9
167.5°	10.6	10.6	16.0	21.3	26.6
170°	10.6	10.6	16.0	16.0	21.3
172.5°	10.6	10.6	10.6	16.0	10.6
175°	10.6	10.6	10.6	10.6	5.3
177.5°	10.6	10.6	10.6	10.6	5.3



TEST NUMBER: P568123

CATALOG NUMBER: 8SNX-96SL-LC-UNV-L835-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	10.6	10.6	10.6	10.6	10.6

(END OF REPORT)