

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: P567163

Luminaire Tested: **8SNX-102SL-LC-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567163
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-102SL-LC-UNV-L835-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

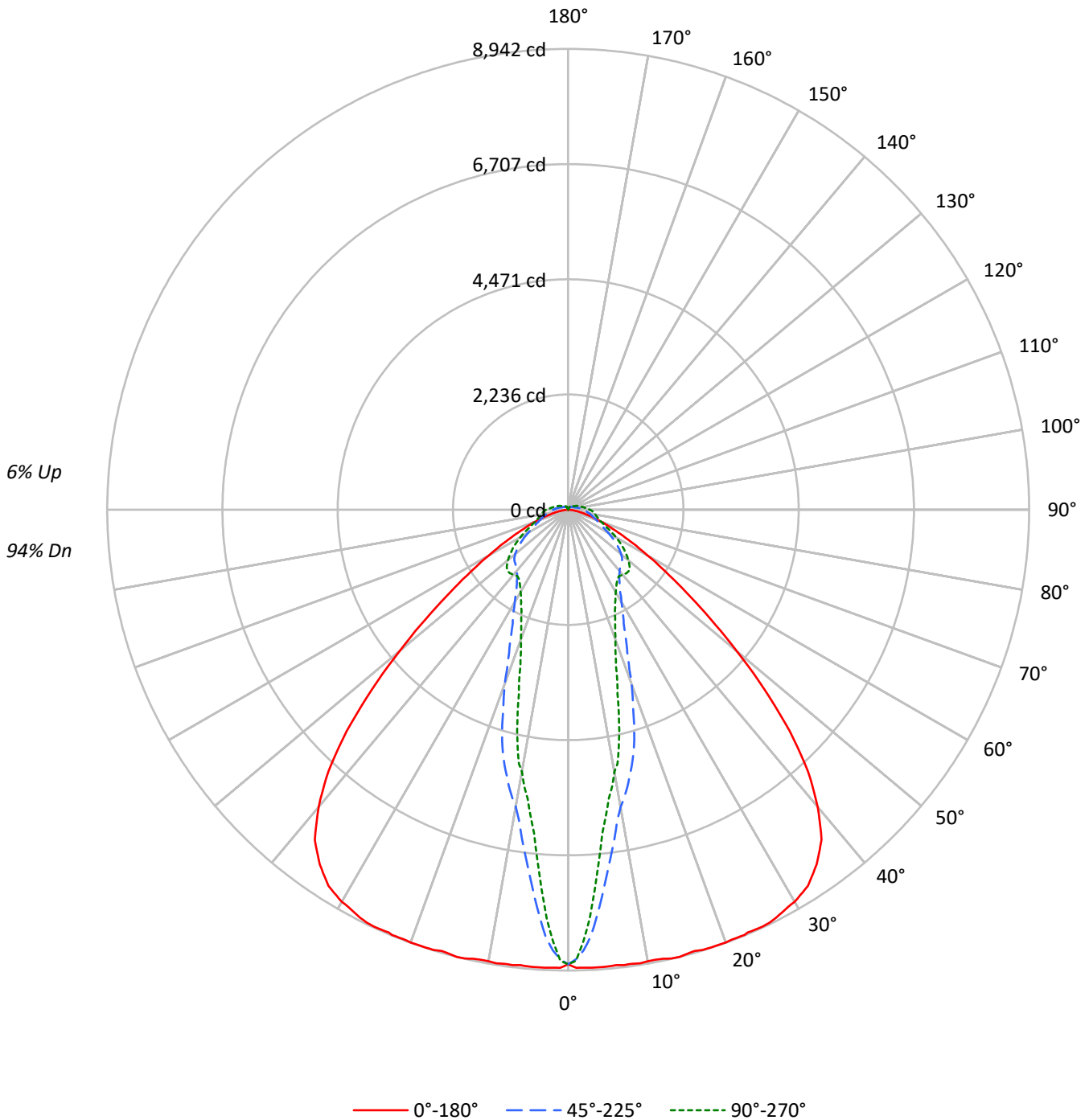
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10871.0 lumens
Efficiency: N/A
Efficacy: 155.3 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): 70
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: P567163
CATALOG NUMBER: 8SNX-102SL-LC-UNV-L835-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567163

CATALOG NUMBER: 8SNX-102SL-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	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°	47464	47464	47464
5°	47979	39033	34895
10°	48445	29500	25255
15°	49421	24141	17487
20°	50795	17487	12351
25°	52489	12541	9716
30°	53950	10030	8275
35°	54404	8493	7411
40°	52009	7729	7430
45°	45276	7475	7632
50°	34865	7118	7122
55°	25382	6233	6320
60°	18522	5209	5344
65°	13582	4411	4380
70°	10117	3904	3777
75°	7309	3623	3520
80°	4942	3401	3467
85°	2499	3253	3472



TEST NUMBER: P567163

CATALOG NUMBER: 8SNX-102SL-LC-UNV-L835-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	693.6	6.4
10°-20°	1506.1	13.9
20°-30°	1723.9	15.9
30°-40°	1727.0	15.9
40°-50°	1634.8	15.0
50°-60°	1253.8	11.5
60°-70°	808.2	7.4
70°-80°	515.4	4.7
80°-90°	342.2	3.1
90°-100°	230.0	2.1
100°-110°	151.6	1.4
110°-120°	105.4	1.0
120°-130°	73.6	0.7
130°-140°	51.1	0.5
140°-150°	31.3	0.3
150°-160°	15.9	0.1
160°-170°	6.1	0.1
170°-180°	1.2	0.0
0°-30°	3923.6	36.1
0°-40°	5650.6	52.0
0°-60°	8539.2	78.5
0°-90°	10204.9	93.9
90°-120°	487.1	4.5
90°-150°	643.0	5.9
90°-180°	666.0	6.1
0°-180°	10871.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	8819	8819	8819	8819	8819	
5°	8897	8407	7532	7025	6836	849
15°	8919	6424	4897	4022	3699	2530
25°	8925	4546	2591	2251	2145	4114
35°	8401	2529	1733	1677	1655	5213
45°	6072	1599	1460	1616	1671	4617
55°	2786	1142	1125	1265	1315	2562
65°	1114	719	708	808	836	1146
75°	379	390	490	563	590	416
85°	50	178	345	451	485	69
90°	0	123	290	401	418	2
95°	0	89	240	329	345	0
105°	0	67	156	223	240	4
115°	6	56	117	162	173	6
125°	6	50	100	117	123	5
135°	6	39	78	95	100	4
145°	6	28	56	72	78	4
155°	6	17	33	50	56	3
165°	11	11	22	28	33	3
175°	11	11	11	11	6	1
180°	11	11	11	11	11	



TEST NUMBER: P567163

CATALOG NUMBER: 8SNX-102SL-LC-UNV-L835-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	8819.1	8819.1	8819.1	8819.1	8819.1
1°	8891.5	8841.4	8724.4	8757.8	8752.2
2°	8891.5	8785.7	8557.2	8490.4	8390.1
3°	8897.1	8690.9	8301.0	8083.7	7944.4
4°	8897.1	8551.7	7922.1	7560.0	7381.7
5°	8897.1	8406.8	7532.2	7025.2	6835.8
6°	8885.9	8234.1	7136.6	6601.8	6317.6
7°	8902.6	8044.7	6780.1	6206.2	5983.4
8°	8897.1	7821.9	6451.4	5905.4	5660.3
9°	8913.8	7604.6	6094.8	5621.3	5437.4
10°	8897.1	7404.0	5860.8	5353.8	5164.4
11°	8897.1	7209.0	5693.7	5181.1	5019.6
12°	8908.2	6986.2	5509.8	4936.0	4713.2
13°	8936.1	6757.8	5298.1	4668.6	4406.8
14°	8941.6	6585.1	5103.1	4328.8	4055.8
15°	8919.4	6423.5	4897.0	4022.3	3699.2
16°	8908.2	6256.4	4651.9	3732.7	3443.0
17°	8930.5	6061.4	4373.3	3437.4	3170.0
18°	8936.1	5883.1	4078.1	3214.5	2980.5
19°	8936.1	5743.8	3838.5	3008.4	2807.8
20°	8936.1	5610.1	3593.4	2852.4	2679.7
21°	8924.9	5443.0	3314.8	2690.9	2546.0
22.5°	8930.5	5131.0	2997.3	2501.4	2384.4
23°	8913.8	5053.0	2919.3	2451.3	2328.7
24°	8919.4	4830.2	2752.1	2351.0	2234.0
25°	8924.9	4546.0	2590.6	2250.7	2144.9
26°	8913.8	4317.6	2456.9	2156.0	2083.6
27°	8885.9	4133.8	2362.2	2078.0	2011.2
28°	8846.9	3888.6	2261.9	2011.2	1949.9
29°	8807.9	3610.1	2161.6	1938.7	1894.2
30°	8785.7	3387.2	2066.9	1883.0	1844.0
32.5°	8651.9	2947.1	1871.9	1771.6	1738.2
35°	8401.2	2529.3	1732.6	1676.9	1654.6
37.5°	8072.6	2206.2	1626.8	1615.6	1621.2
40°	7532.2	1949.9	1548.8	1598.9	1649.1
42.5°	6885.9	1749.3	1493.1	1615.6	1671.3
45°	6072.5	1598.9	1459.6	1615.6	1671.3
47.5°	5170.0	1476.3	1420.6	1559.9	1615.6
50°	4267.5	1364.9	1342.6	1476.3	1526.5
52.5°	3470.8	1259.1	1242.4	1370.5	1420.6
55°	2785.6	1142.1	1125.4	1264.6	1314.8
57.5°	2234.0	1030.7	1013.9	1142.1	1192.2
60°	1782.8	919.2	891.4	1019.5	1069.7
62.5°	1420.6	813.4	796.7	908.1	952.7
65°	1114.2	718.7	707.5	807.8	835.7



TEST NUMBER: P567163

CATALOG NUMBER: 8SNX-102SL-LC-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	880.2	629.5	635.1	718.7	752.1
70°	679.7	546.0	579.4	657.4	679.7
72.5°	512.5	462.4	534.8	601.7	629.5
75°	378.8	390.0	490.3	562.7	590.5
77.5°	261.8	323.1	451.3	529.3	557.1
80°	178.3	261.8	412.3	501.4	534.8
82.5°	105.9	217.3	378.8	473.5	512.5
85°	50.1	178.3	345.4	451.3	484.7
87.5°	16.7	144.8	312.0	429.0	456.8
90°	0.0	122.6	289.7	401.1	417.8
92.5°	0.0	105.9	261.8	367.7	378.8
95°	0.0	89.1	239.6	328.7	345.4
97.5°	0.0	83.6	222.8	295.3	317.6
100°	0.0	78.0	200.6	267.4	289.7
102.5°	0.0	66.9	178.3	239.6	261.8
105°	0.0	66.9	156.0	222.8	239.6
107.5°	5.6	61.3	144.8	200.6	222.8
110°	5.6	61.3	128.1	189.4	206.1
112.5°	5.6	61.3	122.6	172.7	195.0
115°	5.6	55.7	117.0	161.6	172.7
117.5°	5.6	55.7	111.4	144.8	156.0
120°	5.6	50.1	105.9	133.7	139.3
122.5°	5.6	50.1	100.3	122.6	128.1
125°	5.6	50.1	100.3	117.0	122.6
127.5°	5.6	44.6	94.7	111.4	111.4
130°	5.6	44.6	89.1	105.9	105.9
132.5°	5.6	39.0	83.6	100.3	105.9
135°	5.6	39.0	78.0	94.7	100.3
137.5°	5.6	33.4	72.4	89.1	94.7
140°	5.6	33.4	66.9	83.6	89.1
142.5°	5.6	27.9	61.3	78.0	83.6
145°	5.6	27.9	55.7	72.4	78.0
147.5°	5.6	27.9	50.1	66.9	72.4
150°	5.6	22.3	44.6	61.3	66.9
152.5°	5.6	22.3	39.0	55.7	61.3
155°	5.6	16.7	33.4	50.1	55.7
157.5°	5.6	16.7	33.4	44.6	50.1
160°	11.1	16.7	27.9	39.0	44.6
162.5°	5.6	11.1	27.9	33.4	39.0
165°	11.1	11.1	22.3	27.9	33.4
167.5°	11.1	11.1	16.7	22.3	27.9
170°	11.1	11.1	16.7	16.7	22.3
172.5°	11.1	11.1	11.1	16.7	11.1
175°	11.1	11.1	11.1	11.1	5.6
177.5°	11.1	11.1	11.1	11.1	5.6



TEST NUMBER: P567163

CATALOG NUMBER: 8SNX-102SL-LC-UNV-L835-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	11.1	11.1	11.1	11.1	11.1

(END OF REPORT)