

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: P567171

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567171  
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-102SL-LN-UNV-L835-CD  
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

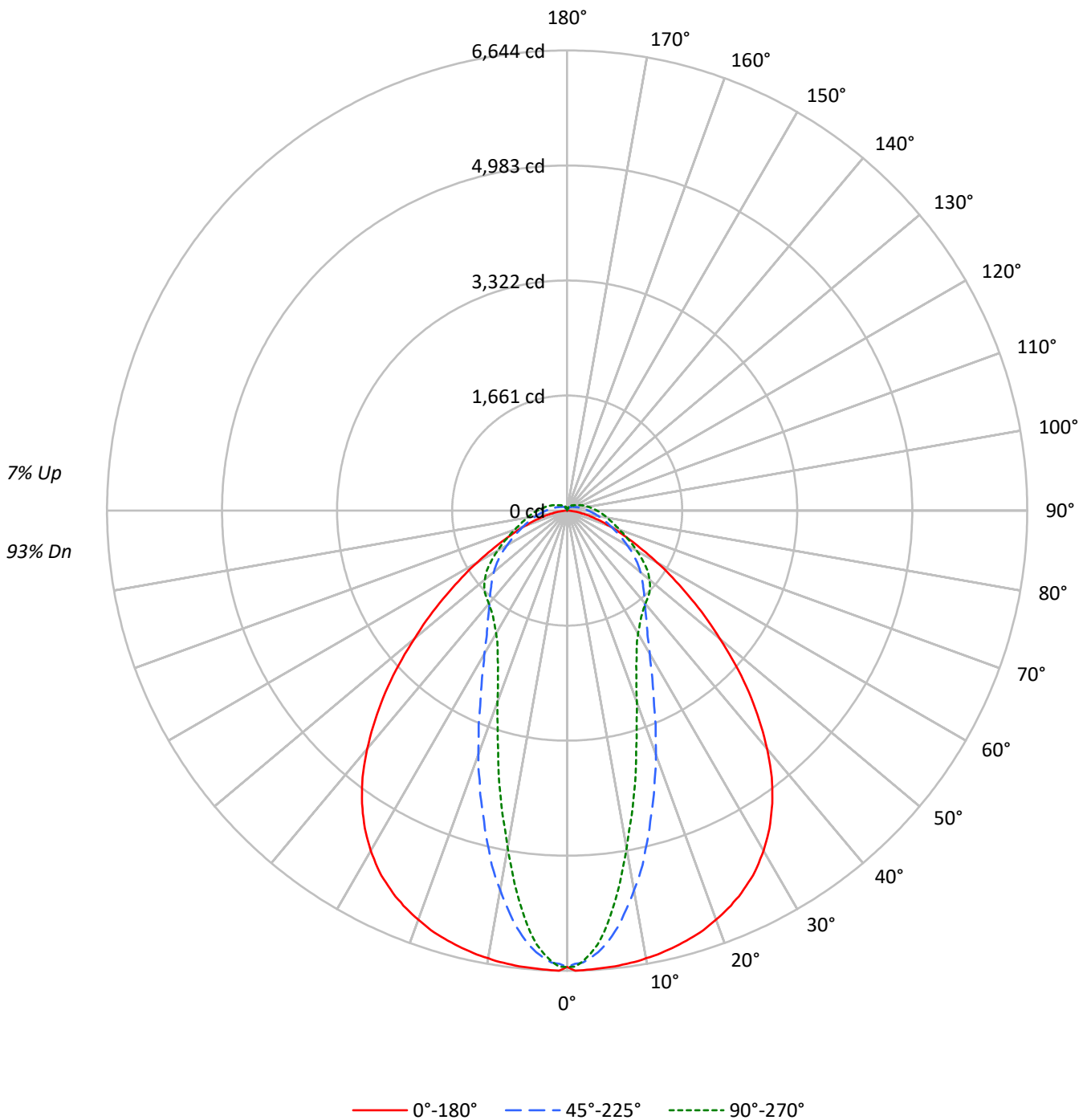
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10504.0 lumens  
Efficiency: N/A  
Efficacy: 150.1 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): 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: P567171  
CATALOG NUMBER: 8SNX-102SL-LN-UNV-L835-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P567171

CATALOG NUMBER: 8SNX-102SL-LN-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	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°	35464	35464	35464
5°	35713	32635	31193
10°	35729	28014	24201
15°	35780	22877	18139
20°	35735	18243	13574
25°	35484	14311	10773
30°	34818	11594	9190
35°	33439	9822	8359
40°	31018	8681	7912
45°	27664	7951	7667
50°	23522	7325	7243
55°	19412	6646	6615
60°	15614	5855	5803
65°	12213	5148	5049
70°	9587	4562	4466
75°	7542	4108	4069
80°	5494	3769	3783
85°	3297	3525	3628



TEST NUMBER: P567171

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

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	583.5	5.6
10°-20°	1367.8	13.0
20°-30°	1623.6	15.5
30°-40°	1633.5	15.6
40°-50°	1518.5	14.5
50°-60°	1250.4	11.9
60°-70°	881.0	8.4
70°-80°	575.6	5.5
80°-90°	367.5	3.5
90°-100°	241.0	2.3
100°-110°	163.6	1.6
110°-120°	112.1	1.1
120°-130°	77.6	0.7
130°-140°	52.2	0.5
140°-150°	32.2	0.3
150°-160°	16.7	0.2
160°-170°	6.0	0.1
170°-180°	1.0	0.0
0°-30°	3575.0	34.0
0°-40°	5208.5	49.6
0°-60°	7977.4	75.9
0°-90°	9801.5	93.3
90°-120°	516.8	4.9
90°-150°	678.7	6.5
90°-180°	702.0	6.7
0°-180°	10504.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	6590	6590	6590	6590	6590	
5°	6622	6534	6298	6177	6110	630
15°	6457	5769	4641	4057	3837	1824
25°	6034	4459	2956	2483	2378	2776
35°	5164	3017	2004	1877	1866	3211
45°	3710	1987	1552	1635	1679	2848
55°	2130	1305	1200	1332	1376	1924
65°	1002	787	826	930	963	1016
75°	391	407	556	655	683	423
85°	66	187	374	484	506	83
90°	0	127	303	413	429	4
95°	0	94	253	347	363	0
105°	0	66	171	242	264	0
115°	6	55	121	176	187	5
125°	6	44	99	127	138	5
135°	6	38	77	99	105	4
145°	6	28	55	77	83	3
155°	6	22	38	55	61	3
165°	6	11	22	28	33	2
175°	11	11	11	11	6	1
180°	6	6	6	6	6	



TEST NUMBER: P567171

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

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	6589.5	6589.5	6589.5	6589.5	6589.5
1°	6644.5	6617.0	6545.4	6595.0	6584.0
2°	6639.0	6611.5	6528.9	6550.9	6512.4
3°	6633.5	6595.0	6468.4	6462.9	6407.8
4°	6628.0	6567.5	6391.3	6325.2	6281.2
5°	6622.5	6534.4	6297.7	6176.6	6110.5
6°	6617.0	6495.9	6176.6	5994.9	5901.3
7°	6606.0	6435.3	6050.0	5802.3	5681.2
8°	6595.0	6380.3	5890.3	5593.1	5444.4
9°	6584.0	6308.7	5730.7	5367.4	5191.2
10°	6561.9	6237.2	5565.5	5136.2	4949.0
11°	6550.9	6154.6	5405.9	4916.0	4695.8
12°	6528.9	6066.5	5235.2	4684.7	4492.1
13°	6506.9	5972.9	5026.1	4486.6	4255.4
14°	6484.9	5873.8	4844.4	4266.4	4051.7
15°	6457.4	5769.2	4640.7	4057.2	3837.0
16°	6429.8	5648.1	4459.0	3842.5	3611.3
17°	6402.3	5532.5	4288.4	3644.3	3435.1
18°	6369.3	5416.9	4090.2	3451.6	3247.9
19°	6325.2	5284.8	3930.6	3275.5	3088.3
20°	6286.7	5163.7	3748.9	3110.3	2945.2
21°	6242.7	5015.0	3567.2	2956.2	2791.0
22.5°	6176.6	4805.9	3336.0	2763.5	2609.4
23°	6143.6	4745.3	3242.4	2691.9	2559.8
24°	6099.5	4585.7	3088.3	2581.8	2449.7
25°	6033.5	4459.0	2956.2	2482.8	2378.2
26°	5972.9	4304.9	2824.1	2394.7	2290.1
27°	5912.4	4156.3	2708.5	2301.1	2213.0
28°	5835.3	4002.1	2581.8	2224.0	2146.9
29°	5752.7	3859.0	2477.2	2158.0	2097.4
30°	5670.1	3699.4	2389.2	2097.4	2047.9
32.5°	5438.9	3347.0	2163.5	1981.8	1948.8
35°	5163.7	3016.7	2003.8	1877.2	1866.2
37.5°	4855.4	2714.0	1860.7	1794.6	1805.6
40°	4492.1	2438.7	1739.6	1734.1	1756.1
42.5°	4106.7	2202.0	1646.0	1684.5	1717.6
45°	3710.4	1987.3	1552.4	1635.0	1679.0
47.5°	3297.5	1800.1	1469.8	1574.4	1624.0
50°	2879.1	1618.5	1381.8	1502.9	1552.4
52.5°	2504.8	1458.8	1293.7	1420.3	1475.3
55°	2130.4	1304.7	1200.1	1332.2	1376.2
57.5°	1805.6	1161.6	1101.0	1233.1	1266.1
60°	1502.9	1023.9	1001.9	1123.0	1161.6
62.5°	1227.6	902.8	908.3	1023.9	1062.5
65°	1001.9	787.2	825.7	930.3	963.4



TEST NUMBER: P567171

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

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	814.7	677.1	743.2	853.3	880.8
70°	644.1	578.0	677.1	776.2	803.7
72.5°	512.0	489.9	611.1	715.6	737.7
75°	390.9	407.4	556.0	655.1	682.6
77.5°	280.8	341.3	501.0	605.5	627.6
80°	198.2	280.8	456.9	561.5	583.5
82.5°	126.6	231.2	412.9	523.0	545.0
85°	66.1	187.2	374.3	484.4	506.5
87.5°	27.5	154.1	335.8	445.9	467.9
90°	0.0	126.6	302.8	412.9	429.4
92.5°	0.0	110.1	275.2	379.8	396.4
95°	0.0	93.6	253.2	346.8	363.3
97.5°	0.0	88.1	225.7	319.3	335.8
100°	0.0	77.1	203.7	291.8	313.8
102.5°	0.0	71.6	187.2	264.2	286.3
105°	0.0	66.1	170.7	242.2	264.2
107.5°	0.0	60.6	159.6	225.7	242.2
110°	0.0	60.6	143.1	209.2	225.7
112.5°	5.5	55.0	132.1	187.2	203.7
115°	5.5	55.0	121.1	176.2	187.2
117.5°	5.5	55.0	115.6	159.6	170.7
120°	5.5	49.5	110.1	148.6	159.6
122.5°	5.5	49.5	104.6	137.6	143.1
125°	5.5	44.0	99.1	126.6	137.6
127.5°	5.5	44.0	93.6	121.1	126.6
130°	5.5	44.0	88.1	110.1	121.1
132.5°	5.5	38.5	82.6	104.6	110.1
135°	5.5	38.5	77.1	99.1	104.6
137.5°	5.5	33.0	71.6	93.6	99.1
140°	5.5	33.0	66.1	88.1	93.6
142.5°	5.5	27.5	60.6	82.6	88.1
145°	5.5	27.5	55.0	77.1	82.6
147.5°	5.5	27.5	49.5	71.6	77.1
150°	5.5	22.0	44.0	66.1	71.6
152.5°	5.5	22.0	38.5	60.6	66.1
155°	5.5	22.0	38.5	55.0	60.6
157.5°	5.5	16.5	33.0	44.0	55.0
160°	5.5	16.5	27.5	38.5	49.5
162.5°	5.5	16.5	27.5	33.0	38.5
165°	5.5	11.0	22.0	27.5	33.0
167.5°	5.5	11.0	16.5	22.0	27.5
170°	5.5	11.0	16.5	16.5	22.0
172.5°	5.5	11.0	11.0	11.0	11.0
175°	11.0	11.0	11.0	11.0	5.5
177.5°	11.0	11.0	11.0	5.5	5.5



TEST NUMBER: P567171

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

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	5.5	5.5	5.5	5.5	5.5

(END OF REPORT)