

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: P567165

Luminaire Tested: **8SNX-102SL-LC-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567165
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-L850-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

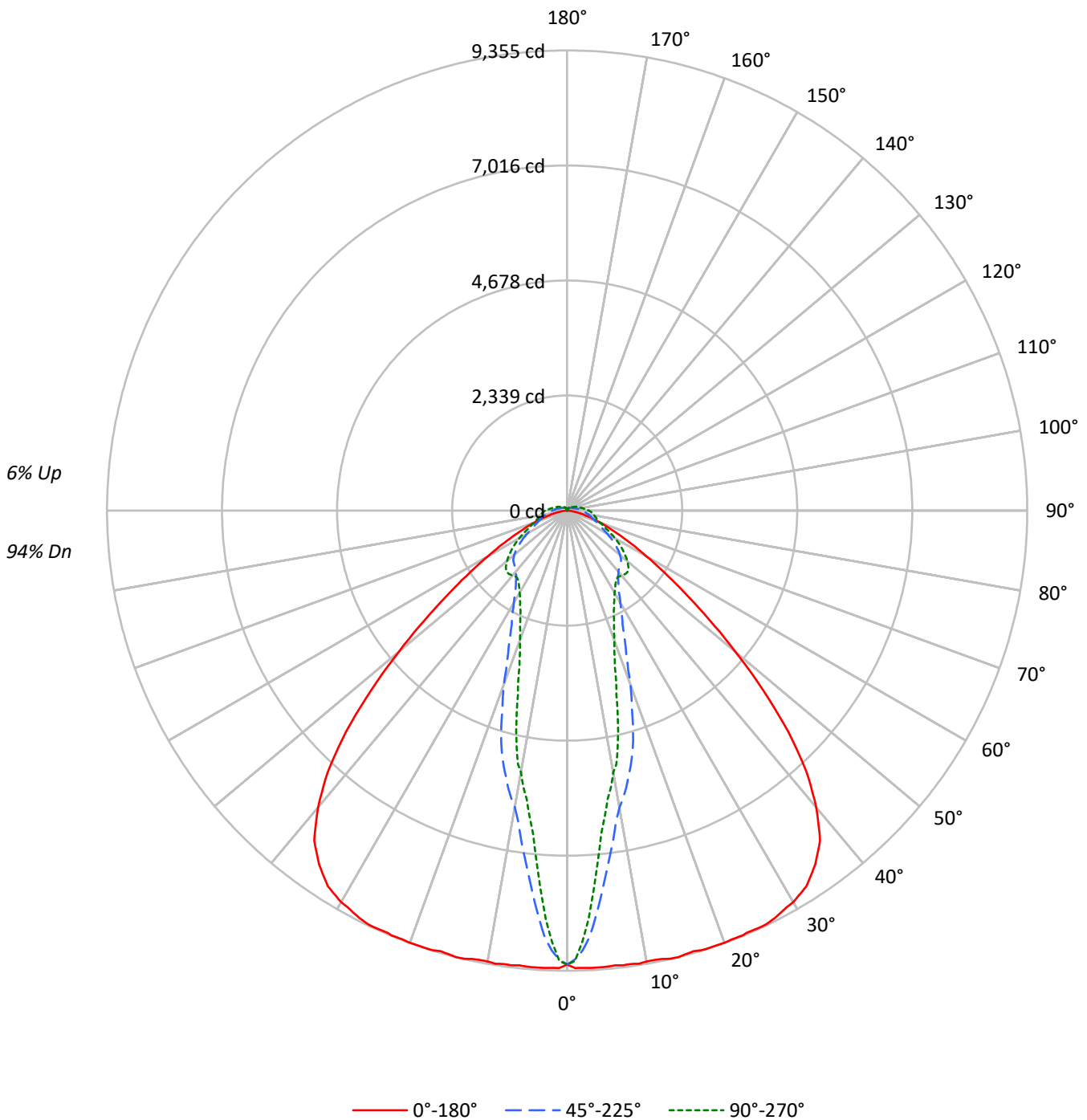
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11374.0 lumens
Efficiency: N/A
Efficacy: 162.5 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

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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	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°	49660	49660	49660
5°	50199	40839	36510
10°	50686	30865	26423
15°	51708	25258	18297
20°	53145	18295	12922
25°	54918	13121	10166
30°	56446	10494	8658
35°	56921	8886	7754
40°	54416	8086	7773
45°	47371	7821	7986
50°	36478	7447	7452
55°	26556	6521	6612
60°	19378	5450	5590
65°	14211	4616	4582
70°	10584	4084	3952
75°	7648	3790	3684
80°	5169	3558	3628
85°	2618	3404	3633



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	725.7	6.4
10°-20°	1575.8	13.9
20°-30°	1803.7	15.9
30°-40°	1806.9	15.9
40°-50°	1710.5	15.0
50°-60°	1311.8	11.5
60°-70°	845.5	7.4
70°-80°	539.2	4.7
80°-90°	358.1	3.1
90°-100°	240.7	2.1
100°-110°	158.6	1.4
110°-120°	110.3	1.0
120°-130°	76.9	0.7
130°-140°	53.4	0.5
140°-150°	32.7	0.3
150°-160°	16.6	0.1
160°-170°	6.4	0.1
170°-180°	1.2	0.0
0°-30°	4105.1	36.1
0°-40°	5912.0	52.0
0°-60°	8934.3	78.6
0°-90°	10677.1	93.9
90°-120°	509.6	4.5
90°-150°	672.7	5.9
90°-180°	697.0	6.1
0°-180°	11374.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	9227	9227	9227	9227	9227	
5°	9309	8796	7881	7350	7152	889
15°	9332	6721	5124	4208	3870	2647
25°	9338	4756	2710	2355	2244	4305
35°	8790	2646	1813	1754	1731	5454
45°	6354	1673	1527	1690	1749	4831
55°	2914	1195	1177	1323	1376	2680
65°	1166	752	740	845	874	1199
75°	396	408	513	589	618	436
85°	52	186	361	472	507	72
90°	0	128	303	420	437	2
95°	0	93	251	344	361	0
105°	0	70	163	233	251	4
115°	6	58	122	169	181	6
125°	6	52	105	122	128	5
135°	6	41	82	99	105	4
145°	6	29	58	76	82	4
155°	6	18	35	52	58	3
165°	12	12	23	29	35	3
175°	12	12	12	12	6	1
180°	12	12	12	12	12	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	9227.1	9227.1	9227.1	9227.1	9227.1
1°	9302.9	9250.5	9128.0	9163.0	9157.2
2°	9302.9	9192.2	8953.2	8883.2	8778.3
3°	9308.7	9093.1	8685.1	8457.7	8312.0
4°	9308.7	8947.4	8288.7	7909.8	7723.3
5°	9308.7	8795.8	7880.7	7350.2	7152.1
6°	9297.1	8615.1	7466.8	6907.2	6610.0
7°	9314.6	8416.9	7093.8	6493.4	6260.2
8°	9308.7	8183.8	6749.9	6178.6	5922.2
9°	9326.2	7956.4	6376.8	5881.4	5689.0
10°	9308.7	7746.6	6132.0	5601.6	5403.4
11°	9308.7	7542.6	5957.1	5420.9	5251.8
12°	9320.4	7309.4	5764.8	5164.4	4931.2
13°	9349.5	7070.4	5543.3	4884.6	4610.7
14°	9355.4	6889.8	5339.3	4529.1	4243.4
15°	9332.1	6720.7	5123.6	4208.5	3870.4
16°	9320.4	6545.8	4867.1	3905.4	3602.3
17°	9343.7	6341.8	4575.7	3596.4	3316.6
18°	9349.5	6155.3	4266.8	3363.3	3118.5
19°	9349.5	6009.6	4016.1	3147.6	2937.8
20°	9349.5	5869.7	3759.6	2984.4	2803.7
21°	9337.9	5694.8	3468.2	2815.4	2663.8
22.5°	9343.7	5368.4	3135.9	2617.2	2494.8
23°	9326.2	5286.8	3054.3	2564.7	2436.5
24°	9332.1	5053.7	2879.5	2459.8	2337.4
25°	9337.9	4756.4	2710.4	2354.9	2244.1
26°	9326.2	4517.4	2570.5	2255.8	2180.0
27°	9297.1	4325.0	2471.5	2174.2	2104.2
28°	9256.3	4068.6	2366.5	2104.2	2040.1
29°	9215.5	3777.1	2261.6	2028.5	1981.8
30°	9192.2	3544.0	2162.5	1970.2	1929.4
32.5°	9052.3	3083.5	1958.5	1853.6	1818.6
35°	8790.0	2646.3	1812.8	1754.5	1731.2
37.5°	8446.1	2308.2	1702.0	1690.4	1696.2
40°	7880.7	2040.1	1620.4	1672.9	1725.4
42.5°	7204.5	1830.3	1562.1	1690.4	1748.7
45°	6353.5	1672.9	1527.2	1690.4	1748.7
47.5°	5409.2	1544.7	1486.4	1632.1	1690.4
50°	4464.9	1428.1	1404.8	1544.7	1597.1
52.5°	3631.4	1317.3	1299.8	1433.9	1486.4
55°	2914.4	1194.9	1177.4	1323.2	1375.6
57.5°	2337.4	1078.3	1060.9	1194.9	1247.4
60°	1865.2	961.8	932.6	1066.7	1119.1
62.5°	1486.4	851.0	833.5	950.1	996.7
65°	1165.8	751.9	740.3	845.2	874.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	921.0	658.7	664.5	751.9	786.9
70°	711.1	571.2	606.2	687.8	711.1
72.5°	536.3	483.8	559.6	629.5	658.7
75°	396.4	408.0	512.9	588.7	617.9
77.5°	274.0	338.1	472.1	553.7	582.9
80°	186.5	274.0	431.3	524.6	559.6
82.5°	110.7	227.3	396.4	495.5	536.3
85°	52.5	186.5	361.4	472.1	507.1
87.5°	17.5	151.6	326.4	448.8	478.0
90°	0.0	128.2	303.1	419.7	437.2
92.5°	0.0	110.7	274.0	384.7	396.4
95°	0.0	93.3	250.6	343.9	361.4
97.5°	0.0	87.4	233.2	308.9	332.2
100°	0.0	81.6	209.8	279.8	303.1
102.5°	0.0	69.9	186.5	250.6	274.0
105°	0.0	69.9	163.2	233.2	250.6
107.5°	5.8	64.1	151.6	209.8	233.2
110°	5.8	64.1	134.1	198.2	215.7
112.5°	5.8	64.1	128.2	180.7	204.0
115°	5.8	58.3	122.4	169.0	180.7
117.5°	5.8	58.3	116.6	151.6	163.2
120°	5.8	52.5	110.7	139.9	145.7
122.5°	5.8	52.5	104.9	128.2	134.1
125°	5.8	52.5	104.9	122.4	128.2
127.5°	5.8	46.6	99.1	116.6	116.6
130°	5.8	46.6	93.3	110.7	110.7
132.5°	5.8	40.8	87.4	104.9	110.7
135°	5.8	40.8	81.6	99.1	104.9
137.5°	5.8	35.0	75.8	93.3	99.1
140°	5.8	35.0	69.9	87.4	93.3
142.5°	5.8	29.1	64.1	81.6	87.4
145°	5.8	29.1	58.3	75.8	81.6
147.5°	5.8	29.1	52.5	69.9	75.8
150°	5.8	23.3	46.6	64.1	69.9
152.5°	5.8	23.3	40.8	58.3	64.1
155°	5.8	17.5	35.0	52.5	58.3
157.5°	5.8	17.5	35.0	46.6	52.5
160°	11.7	17.5	29.1	40.8	46.6
162.5°	5.8	11.7	29.1	35.0	40.8
165°	11.7	11.7	23.3	29.1	35.0
167.5°	11.7	11.7	17.5	23.3	29.1
170°	11.7	11.7	17.5	17.5	23.3
172.5°	11.7	11.7	11.7	17.5	11.7
175°	11.7	11.7	11.7	11.7	5.8
177.5°	11.7	11.7	11.7	11.7	5.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	11.7	11.7	11.7	11.7	11.7

(END OF REPORT)