

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: P568031

Luminaire Tested: **8SNX-82SL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568031
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-82SL-LC-UNV-L935-CD
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

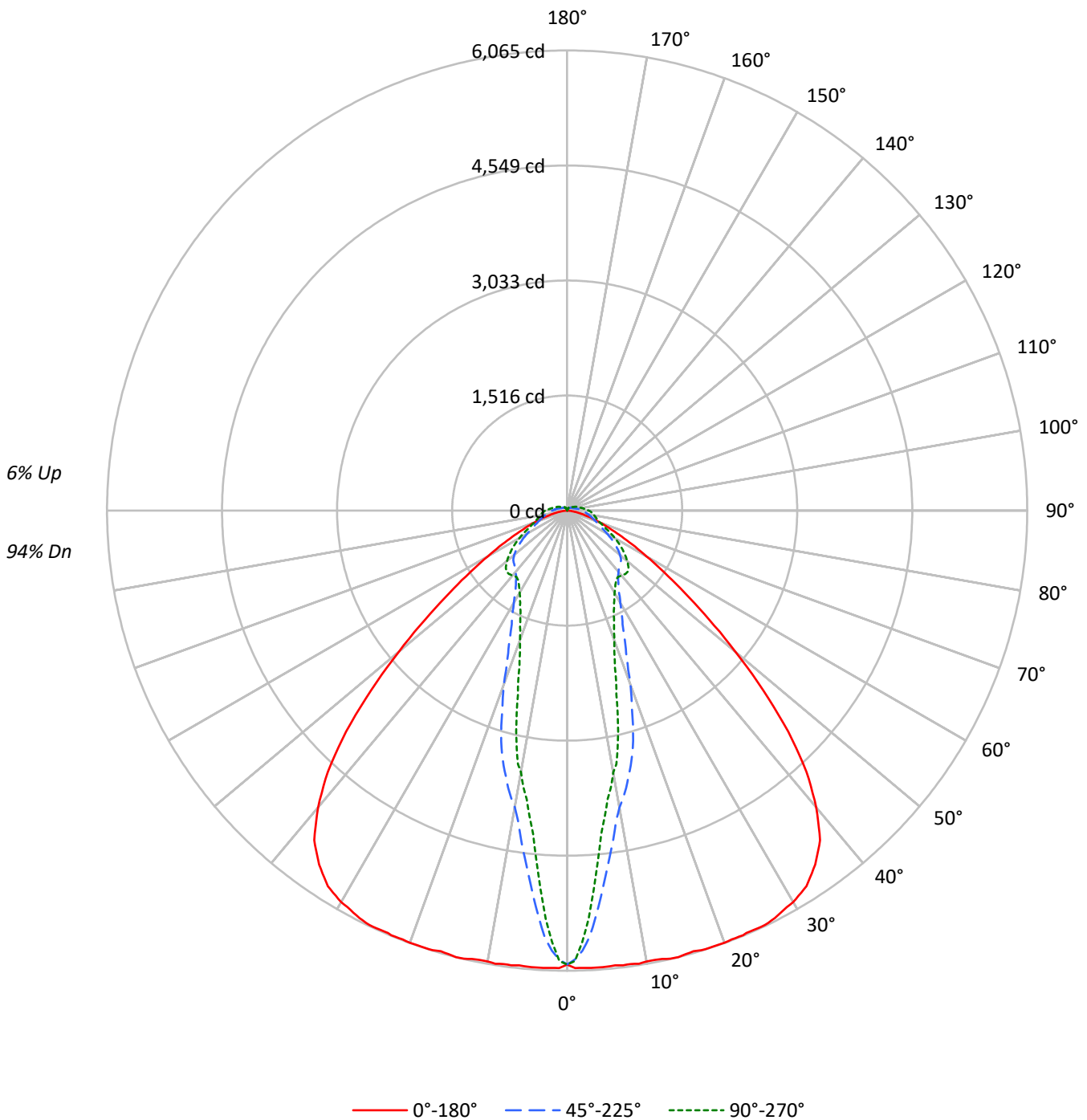
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7374.0 lumens
Efficiency: N/A
Efficacy: 140.2 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): 52.6
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°	32195	32195	32195
5°	32545	26476	23670
10°	32861	20011	17131
15°	33523	16375	11862
20°	34455	11862	8378
25°	35604	8506	6591
30°	36595	6803	5613
35°	36903	5761	5027
40°	35279	5243	5040
45°	30712	5071	5177
50°	23650	4828	4831
55°	17217	4228	4287
60°	12563	3533	3625
65°	9213	2992	2971
70°	6861	2648	2562
75°	4959	2457	2388
80°	3351	2307	2352
85°	1696	2207	2355



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	470.5	6.4
10°-20°	1021.6	13.9
20°-30°	1169.4	15.9
30°-40°	1171.5	15.9
40°-50°	1108.9	15.0
50°-60°	850.5	11.5
60°-70°	548.2	7.4
70°-80°	349.6	4.7
80°-90°	232.1	3.1
90°-100°	156.0	2.1
100°-110°	102.8	1.4
110°-120°	71.5	1.0
120°-130°	49.9	0.7
130°-140°	34.6	0.5
140°-150°	21.2	0.3
150°-160°	10.8	0.1
160°-170°	4.1	0.1
170°-180°	0.8	0.0
0°-30°	2661.4	36.1
0°-40°	3832.9	52.0
0°-60°	5792.3	78.6
0°-90°	6922.2	93.9
90°-120°	330.4	4.5
90°-150°	436.1	5.9
90°-180°	452.0	6.1
0°-180°	7374.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5982	5982	5982	5982	5982	
5°	6035	5702	5109	4765	4637	576
15°	6050	4357	3322	2728	2509	1716
25°	6054	3084	1757	1527	1455	2791
35°	5699	1716	1175	1138	1122	3536
45°	4119	1085	990	1096	1134	3132
55°	1890	775	763	858	892	1738
65°	756	488	480	548	567	777
75°	257	264	333	382	401	283
85°	34	121	234	306	329	47
90°	0	83	196	272	283	2
95°	0	60	162	223	234	0
105°	0	45	106	151	162	3
115°	4	38	79	110	117	4
125°	4	34	68	79	83	3
135°	4	26	53	64	68	3
145°	4	19	38	49	53	2
155°	4	11	23	34	38	2
165°	8	8	15	19	23	2
175°	8	8	8	8	4	1
180°	8	8	8	8	8	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5982.1	5982.1	5982.1	5982.1	5982.1
1°	6031.3	5997.3	5917.9	5940.6	5936.8
2°	6031.3	5959.5	5804.5	5759.2	5691.2
3°	6035.1	5895.2	5630.7	5483.3	5388.8
4°	6035.1	5800.8	5373.7	5128.1	5007.2
5°	6035.1	5702.5	5109.2	4765.3	4636.8
6°	6027.5	5585.4	4840.9	4478.1	4285.4
7°	6038.8	5456.9	4599.0	4209.8	4058.6
8°	6035.1	5305.7	4376.1	4005.7	3839.5
9°	6046.4	5158.3	4134.2	3813.0	3688.3
10°	6035.1	5022.3	3975.5	3631.6	3503.1
11°	6035.1	4890.0	3862.1	3514.5	3404.9
12°	6042.6	4738.9	3737.4	3348.2	3197.0
13°	6061.5	4583.9	3593.8	3166.8	2989.2
14°	6065.3	4466.8	3461.6	2936.3	2751.1
15°	6050.2	4357.2	3321.7	2728.4	2509.3
16°	6042.6	4243.8	3155.5	2531.9	2335.4
17°	6057.7	4111.5	2966.5	2331.6	2150.2
18°	6061.5	3990.6	2766.2	2180.5	2021.8
19°	6061.5	3896.1	2603.7	2040.7	1904.6
20°	6061.5	3805.4	2437.5	1934.8	1817.7
21°	6053.9	3692.1	2248.5	1825.3	1727.0
22.5°	6057.7	3480.5	2033.1	1696.8	1617.4
23°	6046.4	3427.5	1980.2	1662.8	1579.6
24°	6050.2	3276.4	1866.8	1594.7	1515.4
25°	6053.9	3083.7	1757.2	1526.7	1454.9
26°	6046.4	2928.7	1666.5	1462.5	1413.3
27°	6027.5	2804.0	1602.3	1409.6	1364.2
28°	6001.0	2637.7	1534.3	1364.2	1322.6
29°	5974.6	2448.8	1466.2	1315.1	1284.9
30°	5959.5	2297.6	1402.0	1277.3	1250.8
32.5°	5868.8	1999.1	1269.7	1201.7	1179.0
35°	5698.7	1715.7	1175.3	1137.5	1122.4
37.5°	5475.8	1496.5	1103.5	1095.9	1099.7
40°	5109.2	1322.6	1050.6	1084.6	1118.6
42.5°	4670.8	1186.6	1012.8	1095.9	1133.7
45°	4119.1	1084.6	990.1	1095.9	1133.7
47.5°	3506.9	1001.4	963.6	1058.1	1095.9
50°	2894.7	925.9	910.7	1001.4	1035.4
52.5°	2354.3	854.1	842.7	929.6	963.6
55°	1889.5	774.7	763.4	857.8	891.8
57.5°	1515.4	699.1	687.8	774.7	808.7
60°	1209.3	623.5	604.6	691.6	725.6
62.5°	963.6	551.7	540.4	616.0	646.2
65°	755.8	487.5	479.9	548.0	566.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	597.1	427.0	430.8	487.5	510.2
70°	461.0	370.3	393.0	445.9	461.0
72.5°	347.7	313.7	362.8	408.1	427.0
75°	257.0	264.5	332.6	381.7	400.6
77.5°	177.6	219.2	306.1	359.0	377.9
80°	120.9	177.6	279.6	340.1	362.8
82.5°	71.8	147.4	257.0	321.2	347.7
85°	34.0	120.9	234.3	306.1	328.8
87.5°	11.3	98.3	211.6	291.0	309.9
90°	0.0	83.1	196.5	272.1	283.4
92.5°	0.0	71.8	177.6	249.4	257.0
95°	0.0	60.5	162.5	223.0	234.3
97.5°	0.0	56.7	151.2	200.3	215.4
100°	0.0	52.9	136.0	181.4	196.5
102.5°	0.0	45.3	120.9	162.5	177.6
105°	0.0	45.3	105.8	151.2	162.5
107.5°	3.8	41.6	98.3	136.0	151.2
110°	3.8	41.6	86.9	128.5	139.8
112.5°	3.8	41.6	83.1	117.1	132.3
115°	3.8	37.8	79.4	109.6	117.1
117.5°	3.8	37.8	75.6	98.3	105.8
120°	3.8	34.0	71.8	90.7	94.5
122.5°	3.8	34.0	68.0	83.1	86.9
125°	3.8	34.0	68.0	79.4	83.1
127.5°	3.8	30.2	64.2	75.6	75.6
130°	3.8	30.2	60.5	71.8	71.8
132.5°	3.8	26.5	56.7	68.0	71.8
135°	3.8	26.5	52.9	64.2	68.0
137.5°	3.8	22.7	49.1	60.5	64.2
140°	3.8	22.7	45.3	56.7	60.5
142.5°	3.8	18.9	41.6	52.9	56.7
145°	3.8	18.9	37.8	49.1	52.9
147.5°	3.8	18.9	34.0	45.3	49.1
150°	3.8	15.1	30.2	41.6	45.3
152.5°	3.8	15.1	26.5	37.8	41.6
155°	3.8	11.3	22.7	34.0	37.8
157.5°	3.8	11.3	22.7	30.2	34.0
160°	7.6	11.3	18.9	26.5	30.2
162.5°	3.8	7.6	18.9	22.7	26.5
165°	7.6	7.6	15.1	18.9	22.7
167.5°	7.6	7.6	11.3	15.1	18.9
170°	7.6	7.6	11.3	11.3	15.1
172.5°	7.6	7.6	7.6	11.3	7.6
175°	7.6	7.6	7.6	7.6	3.8
177.5°	7.6	7.6	7.6	7.6	3.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	7.6	7.6	7.6	7.6	7.6

(END OF REPORT)