

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: P567841

Luminaire Tested: **8SNX-52SL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567841  
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-52SL-LC-UNV-L950-CD  
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

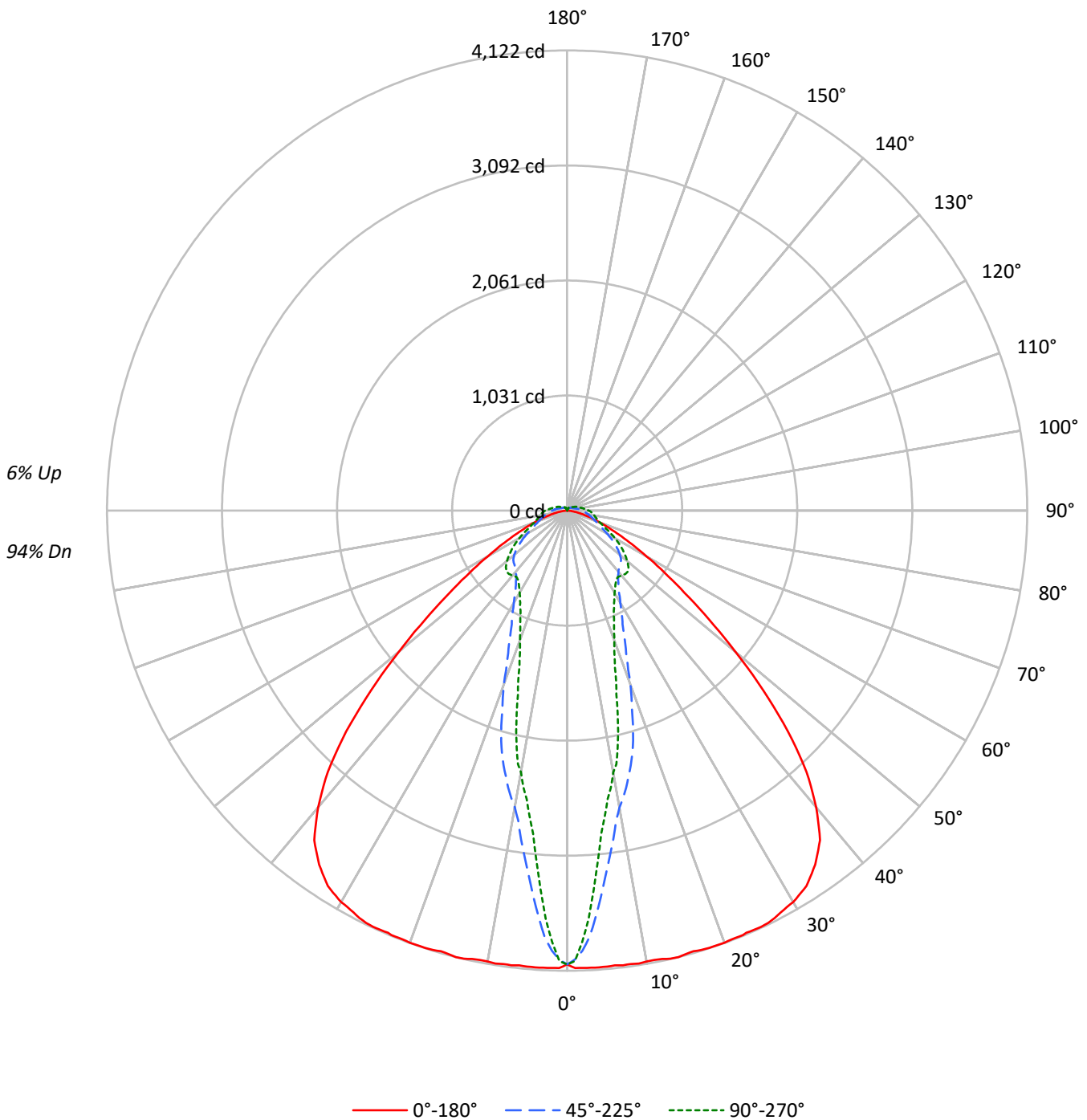
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5011.0 lumens  
Efficiency: N/A  
Efficacy: 152.8 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): 32.8  
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°	21879	21879	21879
5°	22116	17992	16085
10°	22330	13599	11641
15°	22781	11128	8061
20°	23414	8061	5693
25°	24195	5781	4479
30°	24869	4623	3814
35°	25078	3915	3416
40°	23974	3562	3424
45°	20870	3446	3518
50°	16071	3281	3283
55°	11700	2873	2913
60°	8538	2401	2463
65°	6261	2033	2019
70°	4663	1799	1741
75°	3369	1670	1623
80°	2278	1567	1598
85°	1152	1499	1600



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	319.7	6.4
10°-20°	694.2	13.9
20°-30°	794.6	15.9
30°-40°	796.1	15.9
40°-50°	753.6	15.0
50°-60°	577.9	11.5
60°-70°	372.5	7.4
70°-80°	237.6	4.7
80°-90°	157.7	3.1
90°-100°	106.0	2.1
100°-110°	69.9	1.4
110°-120°	48.6	1.0
120°-130°	33.9	0.7
130°-140°	23.5	0.5
140°-150°	14.4	0.3
150°-160°	7.3	0.1
160°-170°	2.8	0.1
170°-180°	0.5	0.0
0°-30°	1808.6	36.1
0°-40°	2604.6	52.0
0°-60°	3936.1	78.6
0°-90°	4704.0	93.9
90°-120°	224.5	4.5
90°-150°	296.4	5.9
90°-180°	307.0	6.1
0°-180°	5011.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4065	4065	4065	4065	4065	
5°	4101	3875	3472	3238	3151	392
15°	4111	2961	2257	1854	1705	1166
25°	4114	2096	1194	1038	989	1897
35°	3873	1166	799	773	763	2403
45°	2799	737	673	745	770	2128
55°	1284	526	519	583	606	1181
65°	514	331	326	372	385	528
75°	175	180	226	259	272	192
85°	23	82	159	208	223	32
90°	0	56	134	185	193	1
95°	0	41	110	152	159	0
105°	0	31	72	103	110	2
115°	3	26	54	74	80	3
125°	3	23	46	54	56	2
135°	3	18	36	44	46	2
145°	3	13	26	33	36	2
155°	3	8	15	23	26	1
165°	5	5	10	13	15	1
175°	5	5	5	5	3	0
180°	5	5	5	5	5	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4065.2	4065.2	4065.2	4065.2	4065.2
1°	4098.6	4075.4	4021.5	4036.9	4034.4
2°	4098.6	4049.8	3944.5	3913.7	3867.4
3°	4101.1	4006.1	3826.3	3726.2	3662.0
4°	4101.1	3941.9	3651.7	3484.8	3402.6
5°	4101.1	3875.1	3472.0	3238.3	3151.0
6°	4096.0	3795.5	3289.6	3043.1	2912.1
7°	4103.7	3708.2	3125.3	2860.8	2758.0
8°	4101.1	3605.5	2973.8	2722.1	2609.1
9°	4108.8	3505.3	2809.4	2591.1	2506.4
10°	4101.1	3412.9	2701.6	2467.9	2380.5
11°	4101.1	3323.0	2624.5	2388.3	2313.8
12°	4106.3	3220.3	2539.8	2275.3	2172.5
13°	4119.1	3115.0	2442.2	2152.0	2031.3
14°	4121.7	3035.4	2352.3	1995.3	1869.5
15°	4111.4	2960.9	2257.3	1854.1	1705.2
16°	4106.3	2883.9	2144.3	1720.6	1587.0
17°	4116.5	2794.0	2015.9	1584.5	1461.2
18°	4119.1	2711.8	1879.8	1481.7	1373.9
19°	4119.1	2647.6	1769.4	1386.7	1294.3
20°	4119.1	2586.0	1656.4	1314.8	1235.2
21°	4114.0	2508.9	1528.0	1240.4	1173.6
22.5°	4116.5	2365.1	1381.6	1153.0	1099.1
23°	4108.8	2329.2	1345.6	1129.9	1073.4
24°	4111.4	2226.5	1268.6	1083.7	1029.8
25°	4114.0	2095.5	1194.1	1037.5	988.7
26°	4108.8	1990.2	1132.5	993.8	960.4
27°	4096.0	1905.5	1088.8	957.9	927.1
28°	4078.0	1792.5	1042.6	927.1	898.8
29°	4060.0	1664.1	996.4	893.7	873.1
30°	4049.8	1561.4	952.7	868.0	850.0
32.5°	3988.1	1358.5	862.9	816.6	801.2
35°	3872.6	1165.9	798.7	773.0	762.7
37.5°	3721.1	1016.9	749.9	744.7	747.3
40°	3472.0	898.8	713.9	737.0	760.1
42.5°	3174.1	806.4	688.2	744.7	770.4
45°	2799.1	737.0	672.8	744.7	770.4
47.5°	2383.1	680.5	654.8	719.0	744.7
50°	1967.1	629.2	618.9	680.5	703.6
52.5°	1599.9	580.4	572.7	631.7	654.8
55°	1284.0	526.4	518.7	582.9	606.1
57.5°	1029.8	475.1	467.4	526.4	549.6
60°	821.8	423.7	410.9	469.9	493.1
62.5°	654.8	374.9	367.2	418.6	439.1
65°	513.6	331.3	326.1	372.4	385.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	405.7	290.2	292.8	331.3	346.7
70°	313.3	251.7	267.1	303.0	313.3
72.5°	236.3	213.1	246.5	277.3	290.2
75°	174.6	179.8	226.0	259.4	272.2
77.5°	120.7	148.9	208.0	244.0	256.8
80°	82.2	120.7	190.0	231.1	246.5
82.5°	48.8	100.2	174.6	218.3	236.3
85°	23.1	82.2	159.2	208.0	223.4
87.5°	7.7	66.8	143.8	197.7	210.6
90°	0.0	56.5	133.5	184.9	192.6
92.5°	0.0	48.8	120.7	169.5	174.6
95°	0.0	41.1	110.4	151.5	159.2
97.5°	0.0	38.5	102.7	136.1	146.4
100°	0.0	36.0	92.4	123.3	133.5
102.5°	0.0	30.8	82.2	110.4	120.7
105°	0.0	30.8	71.9	102.7	110.4
107.5°	2.6	28.2	66.8	92.4	102.7
110°	2.6	28.2	59.1	87.3	95.0
112.5°	2.6	28.2	56.5	79.6	89.9
115°	2.6	25.7	53.9	74.5	79.6
117.5°	2.6	25.7	51.4	66.8	71.9
120°	2.6	23.1	48.8	61.6	64.2
122.5°	2.6	23.1	46.2	56.5	59.1
125°	2.6	23.1	46.2	53.9	56.5
127.5°	2.6	20.5	43.7	51.4	51.4
130°	2.6	20.5	41.1	48.8	48.8
132.5°	2.6	18.0	38.5	46.2	48.8
135°	2.6	18.0	36.0	43.7	46.2
137.5°	2.6	15.4	33.4	41.1	43.7
140°	2.6	15.4	30.8	38.5	41.1
142.5°	2.6	12.8	28.2	36.0	38.5
145°	2.6	12.8	25.7	33.4	36.0
147.5°	2.6	12.8	23.1	30.8	33.4
150°	2.6	10.3	20.5	28.2	30.8
152.5°	2.6	10.3	18.0	25.7	28.2
155°	2.6	7.7	15.4	23.1	25.7
157.5°	2.6	7.7	15.4	20.5	23.1
160°	5.1	7.7	12.8	18.0	20.5
162.5°	2.6	5.1	12.8	15.4	18.0
165°	5.1	5.1	10.3	12.8	15.4
167.5°	5.1	5.1	7.7	10.3	12.8
170°	5.1	5.1	7.7	7.7	10.3
172.5°	5.1	5.1	5.1	7.7	5.1
175°	5.1	5.1	5.1	5.1	2.6
177.5°	5.1	5.1	5.1	5.1	2.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	5.1	5.1	5.1	5.1	5.1

(END OF REPORT)