

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: P567890

Luminaire Tested: **8SNX-62SL-LN-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567890  
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-62SL-LN-UNV-L830-CD  
Description: 8FT 6200 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

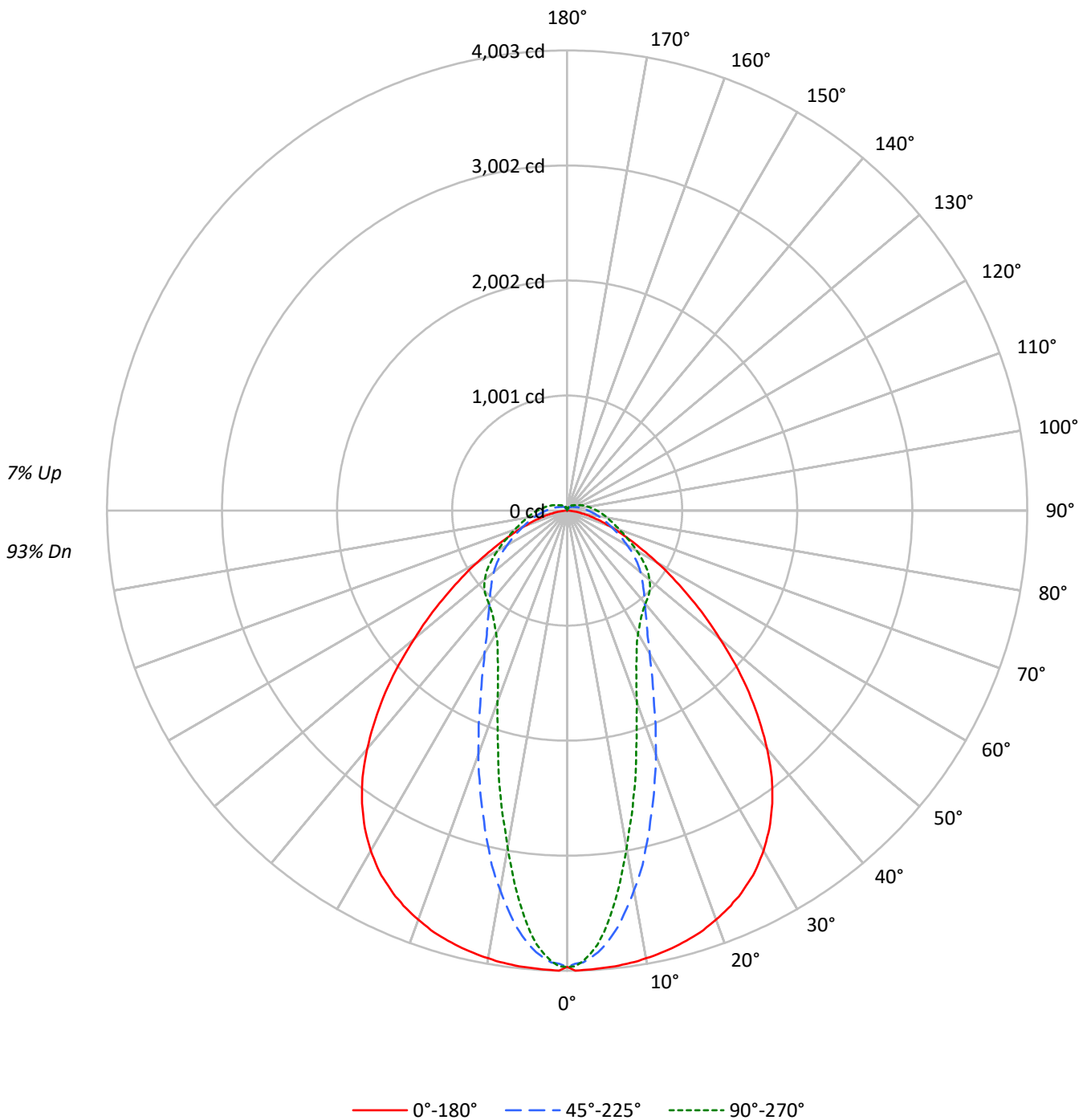
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6328.0 lumens  
Efficiency: N/A  
Efficacy: 162.3 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): 39  
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	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°	21365	21365	21365
5°	21515	19661	18792
10°	21525	16877	14580
15°	21555	13782	10927
20°	21528	10991	8178
25°	21377	8621	6490
30°	20976	6984	5536
35°	20145	5917	5036
40°	18686	5230	4766
45°	16666	4790	4619
50°	14171	4413	4363
55°	11695	4004	3985
60°	9406	3527	3496
65°	7358	3102	3042
70°	5775	2748	2691
75°	4544	2475	2451
80°	3310	2271	2279
85°	1985	2124	2186



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	351.5	5.6
10°-20°	824.0	13.0
20°-30°	978.1	15.5
30°-40°	984.1	15.6
40°-50°	914.8	14.5
50°-60°	753.3	11.9
60°-70°	530.8	8.4
70°-80°	346.8	5.5
80°-90°	221.4	3.5
90°-100°	145.2	2.3
100°-110°	98.6	1.6
110°-120°	67.6	1.1
120°-130°	46.7	0.7
130°-140°	31.4	0.5
140°-150°	19.4	0.3
150°-160°	10.1	0.2
160°-170°	3.6	0.1
170°-180°	0.6	0.0
0°-30°	2153.7	34.0
0°-40°	3137.8	49.6
0°-60°	4805.9	75.9
0°-90°	5904.8	93.3
90°-120°	311.3	4.9
90°-150°	408.9	6.5
90°-180°	423.0	6.7
0°-180°	6328.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3970	3970	3970	3970	3970	
5°	3990	3937	3794	3721	3681	380
15°	3890	3476	2796	2444	2312	1099
25°	3635	2686	1781	1496	1433	1673
35°	3111	1817	1207	1131	1124	1935
45°	2235	1197	935	985	1012	1716
55°	1284	786	723	803	829	1159
65°	604	474	498	560	580	612
75°	236	245	335	395	411	255
85°	40	113	226	292	305	50
90°	0	76	182	249	259	2
95°	0	56	153	209	219	0
105°	0	40	103	146	159	0
115°	3	33	73	106	113	3
125°	3	26	60	76	83	3
135°	3	23	46	60	63	3
145°	3	17	33	46	50	2
155°	3	13	23	33	36	2
165°	3	7	13	17	20	1
175°	7	7	7	7	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3969.7	3969.7	3969.7	3969.7	3969.7
1°	4002.9	3986.3	3943.2	3973.1	3966.4
2°	3999.6	3983.0	3933.3	3946.5	3923.3
3°	3996.3	3973.1	3896.8	3893.5	3860.3
4°	3993.0	3956.5	3850.4	3810.6	3784.0
5°	3989.6	3936.6	3794.0	3721.0	3681.2
6°	3986.3	3913.4	3721.0	3611.6	3555.2
7°	3979.7	3876.9	3644.7	3495.5	3422.5
8°	3973.1	3843.7	3548.6	3369.5	3279.9
9°	3966.4	3800.6	3452.4	3233.5	3127.4
10°	3953.2	3757.5	3352.9	3094.2	2981.5
11°	3946.5	3707.7	3256.7	2961.6	2828.9
12°	3933.3	3654.7	3153.9	2822.3	2706.2
13°	3920.0	3598.3	3027.9	2702.9	2563.6
14°	3906.7	3538.6	2918.4	2570.2	2440.9
15°	3890.2	3475.6	2795.7	2444.2	2311.5
16°	3873.6	3402.6	2686.3	2314.9	2175.6
17°	3857.0	3333.0	2583.5	2195.5	2069.4
18°	3837.1	3263.3	2464.1	2079.4	1956.7
19°	3810.6	3183.8	2367.9	1973.3	1860.5
20°	3787.3	3110.8	2258.5	1873.8	1774.3
21°	3760.8	3021.3	2149.0	1780.9	1681.4
22.5°	3721.0	2895.2	2009.7	1664.8	1572.0
23°	3701.1	2858.7	1953.4	1621.7	1542.1
24°	3674.6	2762.6	1860.5	1555.4	1475.8
25°	3634.8	2686.3	1780.9	1495.7	1432.7
26°	3598.3	2593.4	1701.3	1442.6	1379.6
27°	3561.8	2503.9	1631.7	1386.3	1333.2
28°	3515.4	2411.0	1555.4	1339.8	1293.4
29°	3465.6	2324.8	1492.4	1300.0	1263.6
30°	3415.9	2228.6	1439.3	1263.6	1233.7
32.5°	3276.6	2016.4	1303.3	1193.9	1174.0
35°	3110.8	1817.4	1207.2	1130.9	1124.3
37.5°	2925.1	1635.0	1120.9	1081.1	1087.8
40°	2706.2	1469.2	1048.0	1044.7	1057.9
42.5°	2474.0	1326.6	991.6	1014.8	1034.7
45°	2235.3	1197.2	935.2	985.0	1011.5
47.5°	1986.5	1084.5	885.5	948.5	978.3
50°	1734.5	975.0	832.4	905.4	935.2
52.5°	1509.0	878.8	779.4	855.6	888.8
55°	1283.5	786.0	723.0	802.6	829.1
57.5°	1087.8	699.8	663.3	742.9	762.8
60°	905.4	616.9	603.6	676.5	699.8
62.5°	739.6	543.9	547.2	616.9	640.1
65°	603.6	474.2	497.5	560.5	580.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	490.8	407.9	447.7	514.0	530.6
70°	388.0	348.2	407.9	467.6	484.2
72.5°	308.4	295.2	368.1	431.1	444.4
75°	235.5	245.4	335.0	394.7	411.2
77.5°	169.1	205.6	301.8	364.8	378.1
80°	119.4	169.1	275.3	338.3	351.5
82.5°	76.3	139.3	248.7	315.1	328.3
85°	39.8	112.8	225.5	291.8	305.1
87.5°	16.6	92.9	202.3	268.6	281.9
90°	0.0	76.3	182.4	248.7	258.7
92.5°	0.0	66.3	165.8	228.8	238.8
95°	0.0	56.4	152.6	208.9	218.9
97.5°	0.0	53.1	136.0	192.4	202.3
100°	0.0	46.4	122.7	175.8	189.0
102.5°	0.0	43.1	112.8	159.2	172.5
105°	0.0	39.8	102.8	145.9	159.2
107.5°	0.0	36.5	96.2	136.0	145.9
110°	0.0	36.5	86.2	126.0	136.0
112.5°	3.3	33.2	79.6	112.8	122.7
115°	3.3	33.2	73.0	106.1	112.8
117.5°	3.3	33.2	69.6	96.2	102.8
120°	3.3	29.8	66.3	89.5	96.2
122.5°	3.3	29.8	63.0	82.9	86.2
125°	3.3	26.5	59.7	76.3	82.9
127.5°	3.3	26.5	56.4	73.0	76.3
130°	3.3	26.5	53.1	66.3	73.0
132.5°	3.3	23.2	49.7	63.0	66.3
135°	3.3	23.2	46.4	59.7	63.0
137.5°	3.3	19.9	43.1	56.4	59.7
140°	3.3	19.9	39.8	53.1	56.4
142.5°	3.3	16.6	36.5	49.7	53.1
145°	3.3	16.6	33.2	46.4	49.7
147.5°	3.3	16.6	29.8	43.1	46.4
150°	3.3	13.3	26.5	39.8	43.1
152.5°	3.3	13.3	23.2	36.5	39.8
155°	3.3	13.3	23.2	33.2	36.5
157.5°	3.3	9.9	19.9	26.5	33.2
160°	3.3	9.9	16.6	23.2	29.8
162.5°	3.3	9.9	16.6	19.9	23.2
165°	3.3	6.6	13.3	16.6	19.9
167.5°	3.3	6.6	9.9	13.3	16.6
170°	3.3	6.6	9.9	9.9	13.3
172.5°	3.3	6.6	6.6	6.6	6.6
175°	6.6	6.6	6.6	6.6	3.3
177.5°	6.6	6.6	6.6	3.3	3.3



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	3.3	3.3	3.3	3.3	3.3

(END OF REPORT)