

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: P567078

Luminaire Tested: **4SNX-SL3-LC-UNV-CC93-CD-4000K-MED**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567078  
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: 4SNX-SL3-LC-UNV-CC93-CD-4000K-MED  
Description: 4FT 6000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 90CRI, MED LUMEN SETTING, AND LC LENS  
Light Source: -  
Ballast/Driver: -

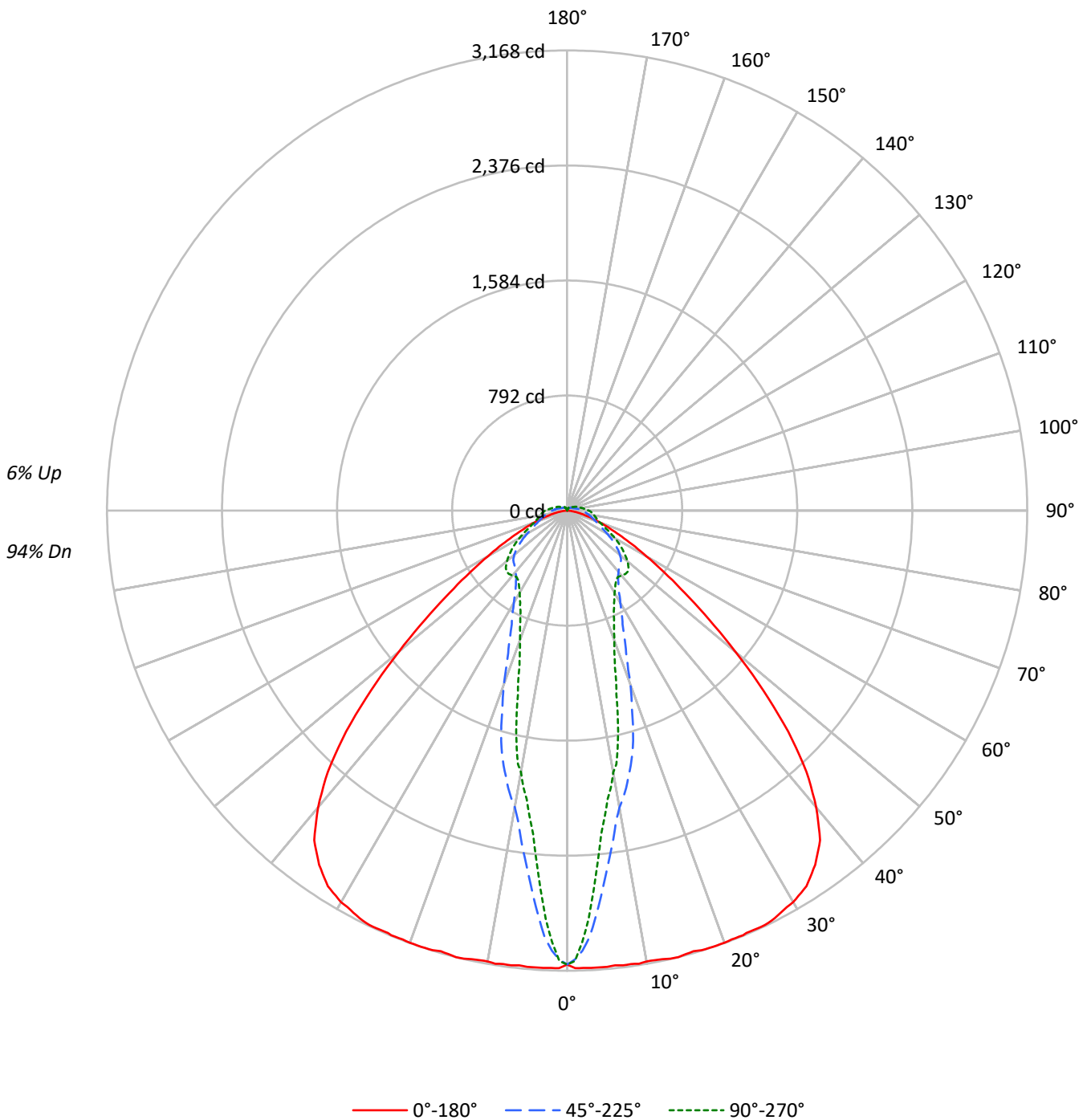
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3852.0 lumens  
Efficiency: N/A  
Efficacy: 119.4 lumens/watt  
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Direct  
  
Input Watts (W): 32.274  
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°	33636	33636	33636
5°	33940	27627	24730
10°	34206	20856	17897
15°	34831	17048	12393
20°	35728	12336	8752
25°	36843	8837	6886
30°	37784	7061	5864
35°	38008	5972	5252
40°	36235	5429	5265
45°	31444	5246	5409
50°	24123	4988	5047
55°	17482	4363	4479
60°	12684	3640	3787
65°	9231	3079	3104
70°	6800	2719	2676
75°	4830	2518	2494
80°	3169	2358	2457
85°	1489	2248	2460



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	245.8	6.4
10°-20°	533.7	13.9
20°-30°	610.9	15.9
30°-40°	611.9	15.9
40°-50°	579.3	15.0
50°-60°	444.3	11.5
60°-70°	286.4	7.4
70°-80°	182.6	4.7
80°-90°	121.3	3.1
90°-100°	81.5	2.1
100°-110°	53.7	1.4
110°-120°	37.4	1.0
120°-130°	26.1	0.7
130°-140°	18.1	0.5
140°-150°	11.1	0.3
150°-160°	5.6	0.1
160°-170°	2.2	0.1
170°-180°	0.4	0.0
0°-30°	1390.3	36.1
0°-40°	2002.2	52.0
0°-60°	3025.7	78.5
0°-90°	3616.0	93.9
90°-120°	172.6	4.5
90°-150°	227.8	5.9
90°-180°	236.0	6.1
0°-180°	3852.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3125	3125	3125	3125	3125	
5°	3153	2979	2669	2489	2422	301
15°	3160	2276	1735	1425	1311	896
25°	3162	1611	918	798	760	1458
35°	2977	896	614	594	586	1847
45°	2152	567	517	572	592	1636
55°	987	405	399	448	466	908
65°	395	255	251	286	296	406
75°	134	138	174	199	209	148
85°	18	63	122	160	172	24
90°	0	43	103	142	148	1
95°	0	32	85	116	122	0
105°	0	24	55	79	85	1
115°	2	20	42	57	61	2
125°	2	18	36	42	43	2
135°	2	14	28	34	36	2
145°	2	10	20	26	28	1
155°	2	6	12	18	20	1
165°	4	4	8	10	12	1
175°	4	4	4	4	2	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3124.9	3124.9	3124.9	3124.9	3124.9
1°	3150.6	3132.8	3091.4	3103.2	3101.2
2°	3150.6	3113.1	3032.1	3008.5	2972.9
3°	3152.6	3079.5	2941.3	2864.4	2815.0
4°	3152.6	3030.2	2807.1	2678.8	2615.6
5°	3152.6	2978.8	2668.9	2489.3	2422.2
6°	3148.6	2917.7	2528.8	2339.3	2238.6
7°	3154.5	2850.5	2402.4	2199.1	2120.1
8°	3152.6	2771.6	2286.0	2092.5	2005.6
9°	3158.5	2694.6	2159.6	1991.8	1926.7
10°	3152.6	2623.5	2076.7	1897.1	1829.9
11°	3152.6	2554.4	2017.5	1835.9	1778.6
12°	3156.5	2475.5	1952.3	1749.0	1670.1
13°	3166.4	2394.5	1877.3	1654.3	1561.5
14°	3168.4	2333.3	1808.2	1533.8	1437.1
15°	3160.5	2276.1	1735.2	1425.3	1310.8
16°	3156.5	2216.9	1648.3	1322.6	1220.0
17°	3164.4	2147.8	1549.6	1218.0	1123.2
18°	3166.4	2084.6	1445.0	1139.0	1056.1
19°	3166.4	2035.3	1360.1	1066.0	994.9
20°	3166.4	1987.9	1273.3	1010.7	949.5
21°	3162.4	1928.7	1174.6	953.5	902.1
22.5°	3164.4	1818.1	1062.0	886.4	844.9
23°	3158.5	1790.5	1034.4	868.6	825.2
24°	3160.5	1711.5	975.2	833.1	791.6
25°	3162.4	1610.8	917.9	797.5	760.0
26°	3158.5	1529.9	870.6	764.0	738.3
27°	3148.6	1464.7	837.0	736.3	712.6
28°	3134.8	1377.9	801.5	712.6	690.9
29°	3121.0	1279.2	765.9	687.0	671.2
30°	3113.1	1200.2	732.4	667.2	653.4
32.5°	3065.7	1044.3	663.3	627.7	615.9
35°	2976.9	896.2	613.9	594.2	586.3
37.5°	2860.4	781.7	576.4	572.5	574.5
40°	2668.9	690.9	548.8	566.6	584.3
42.5°	2439.9	619.9	529.0	572.5	592.2
45°	2151.7	566.6	517.2	572.5	592.2
47.5°	1831.9	523.1	503.4	552.7	572.5
50°	1512.1	483.6	475.7	523.1	540.9
52.5°	1229.8	446.1	440.2	485.6	503.4
55°	987.0	404.7	398.8	448.1	465.9
57.5°	791.6	365.2	359.3	404.7	422.4
60°	631.7	325.7	315.8	361.3	379.0
62.5°	503.4	288.2	282.3	321.8	337.6
65°	394.8	254.7	250.7	286.2	296.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	311.9	223.1	225.0	254.7	266.5
70°	240.8	193.5	205.3	232.9	240.8
72.5°	181.6	163.8	189.5	213.2	223.1
75°	134.2	138.2	173.7	199.4	209.2
77.5°	92.8	114.5	159.9	187.5	197.4
80°	63.2	92.8	146.1	177.7	189.5
82.5°	37.5	77.0	134.2	167.8	181.6
85°	17.8	63.2	122.4	159.9	171.7
87.5°	5.9	51.3	110.5	152.0	161.9
90°	0.0	43.4	102.7	142.1	148.1
92.5°	0.0	37.5	92.8	130.3	134.2
95°	0.0	31.6	84.9	116.5	122.4
97.5°	0.0	29.6	79.0	104.6	112.5
100°	0.0	27.6	71.1	94.8	102.7
102.5°	0.0	23.7	63.2	84.9	92.8
105°	0.0	23.7	55.3	79.0	84.9
107.5°	2.0	21.7	51.3	71.1	79.0
110°	2.0	21.7	45.4	67.1	73.0
112.5°	2.0	21.7	43.4	61.2	69.1
115°	2.0	19.7	41.5	57.2	61.2
117.5°	2.0	19.7	39.5	51.3	55.3
120°	2.0	17.8	37.5	47.4	49.4
122.5°	2.0	17.8	35.5	43.4	45.4
125°	2.0	17.8	35.5	41.5	43.4
127.5°	2.0	15.8	33.6	39.5	39.5
130°	2.0	15.8	31.6	37.5	37.5
132.5°	2.0	13.8	29.6	35.5	37.5
135°	2.0	13.8	27.6	33.6	35.5
137.5°	2.0	11.8	25.7	31.6	33.6
140°	2.0	11.8	23.7	29.6	31.6
142.5°	2.0	9.9	21.7	27.6	29.6
145°	2.0	9.9	19.7	25.7	27.6
147.5°	2.0	9.9	17.8	23.7	25.7
150°	2.0	7.9	15.8	21.7	23.7
152.5°	2.0	7.9	13.8	19.7	21.7
155°	2.0	5.9	11.8	17.8	19.7
157.5°	2.0	5.9	11.8	15.8	17.8
160°	3.9	5.9	9.9	13.8	15.8
162.5°	2.0	3.9	9.9	11.8	13.8
165°	3.9	3.9	7.9	9.9	11.8
167.5°	3.9	3.9	5.9	7.9	9.9
170°	3.9	3.9	5.9	5.9	7.9
172.5°	3.9	3.9	3.9	5.9	3.9
175°	3.9	3.9	3.9	3.9	2.0
177.5°	3.9	3.9	3.9	3.9	2.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	3.9	3.9	3.9	3.9	3.9

(END OF REPORT)