

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: P566637

Luminaire Tested: **4SNX-60SL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566637  
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: 4SNX-60SL-LN-UNV-L950-CD  
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

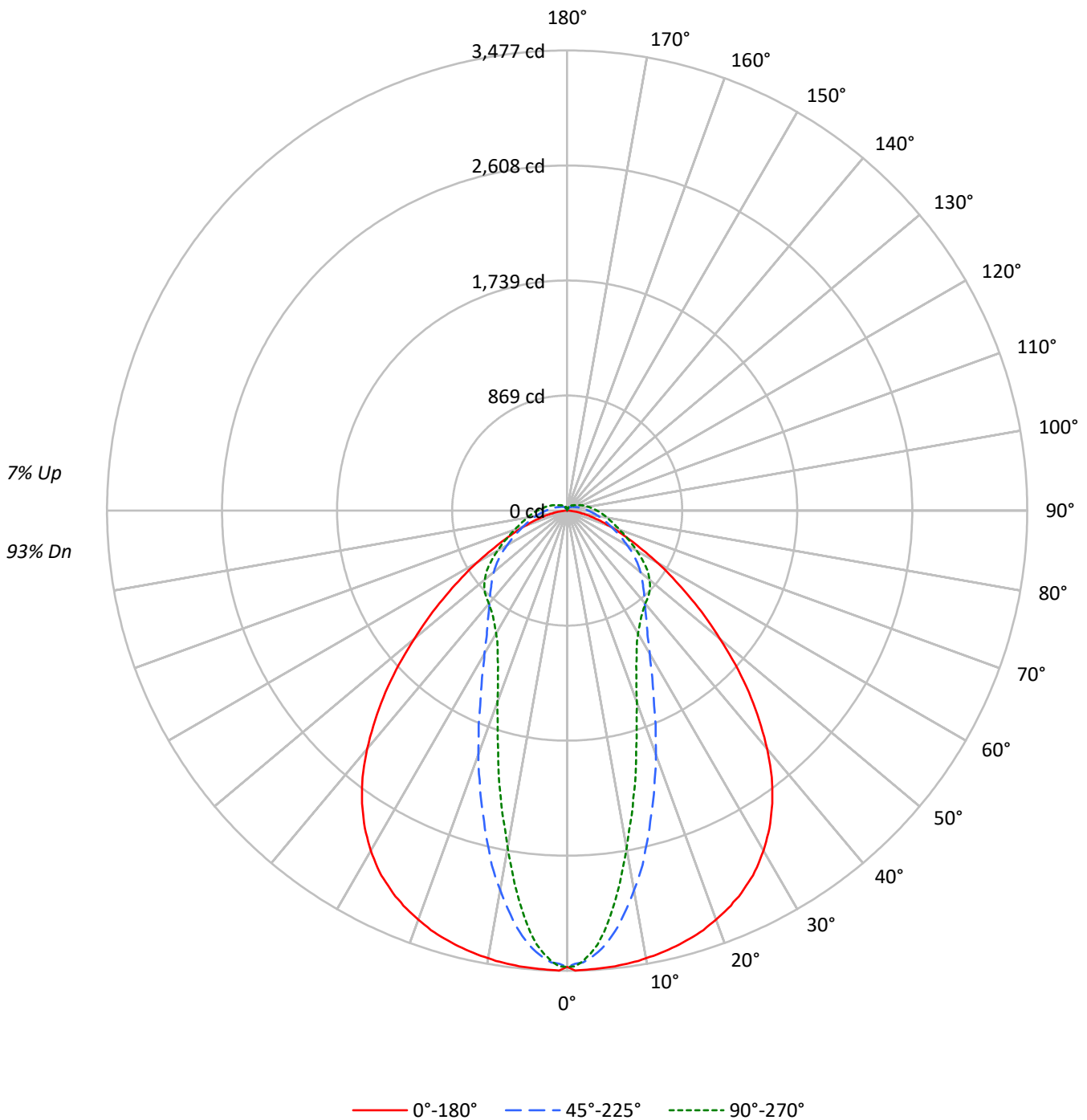
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5496.0 lumens  
Efficiency: N/A  
Efficacy: 130.9 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 42  
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°	37112	37112	37112
5°	37305	34109	32642
10°	37253	29246	25326
15°	37235	23857	18981
20°	37116	19004	14205
25°	36779	14892	11273
30°	36008	12052	9616
35°	34496	10200	8747
40°	31910	9005	8279
45°	28371	8239	8024
50°	24032	7582	7580
55°	19744	6869	6923
60°	15788	6043	6073
65°	12256	5306	5284
70°	9516	4693	4673
75°	7360	4216	4259
80°	5199	3859	3958
85°	2895	3598	3797



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	305.3	5.6
10°-20°	715.7	13.0
20°-30°	849.5	15.5
30°-40°	854.7	15.6
40°-50°	794.5	14.5
50°-60°	654.2	11.9
60°-70°	461.0	8.4
70°-80°	301.2	5.5
80°-90°	192.3	3.5
90°-100°	126.1	2.3
100°-110°	85.6	1.6
110°-120°	58.7	1.1
120°-130°	40.6	0.7
130°-140°	27.3	0.5
140°-150°	16.8	0.3
150°-160°	8.7	0.2
160°-170°	3.2	0.1
170°-180°	0.5	0.0
0°-30°	1870.5	34.0
0°-40°	2725.3	49.6
0°-60°	4174.0	75.9
0°-90°	5128.4	93.3
90°-120°	270.4	4.9
90°-150°	355.1	6.5
90°-180°	368.0	6.7
0°-180°	5496.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3448	3448	3448	3448	3448	
5°	3465	3419	3295	3232	3197	330
15°	3379	3019	2428	2123	2008	954
25°	3157	2333	1547	1299	1244	1453
35°	2702	1578	1048	982	976	1680
45°	1941	1040	812	856	878	1490
55°	1115	683	628	697	720	1007
65°	524	412	432	487	504	532
75°	204	213	291	343	357	221
85°	35	98	196	254	265	43
90°	0	66	158	216	225	2
95°	0	49	132	182	190	0
105°	0	35	89	127	138	0
115°	3	29	63	92	98	3
125°	3	23	52	66	72	3
135°	3	20	40	52	55	2
145°	3	14	29	40	43	2
155°	3	12	20	29	32	1
165°	3	6	12	14	17	1
175°	6	6	6	6	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3447.8	3447.8	3447.8	3447.8	3447.8
1°	3476.6	3462.2	3424.8	3450.7	3444.9
2°	3473.7	3459.3	3416.1	3427.6	3407.5
3°	3470.8	3450.7	3384.4	3381.6	3352.8
4°	3468.0	3436.3	3344.1	3309.5	3286.5
5°	3465.1	3419.0	3295.1	3231.8	3197.2
6°	3462.2	3398.8	3231.8	3136.7	3087.8
7°	3456.4	3367.2	3165.5	3035.9	2972.5
8°	3450.7	3338.4	3082.0	2926.5	2848.7
9°	3444.9	3300.9	2998.5	2808.4	2716.2
10°	3433.4	3263.5	2912.1	2687.4	2589.5
11°	3427.6	3220.3	2828.5	2572.2	2457.0
12°	3416.1	3174.2	2739.2	2451.2	2350.4
13°	3404.6	3125.2	2629.8	2347.5	2226.5
14°	3393.1	3073.4	2534.7	2232.3	2120.0
15°	3378.7	3018.6	2428.2	2122.8	2007.6
16°	3364.3	2955.3	2333.1	2010.5	1889.5
17°	3349.9	2894.8	2243.8	1906.8	1797.4
18°	3332.6	2834.3	2140.1	1806.0	1699.4
19°	3309.5	2765.2	2056.6	1713.8	1615.9
20°	3289.4	2701.8	1961.5	1627.4	1541.0
21°	3266.3	2624.0	1866.5	1546.8	1460.3
22.5°	3231.8	2514.6	1745.5	1445.9	1365.3
23°	3214.5	2482.9	1696.5	1408.5	1339.4
24°	3191.5	2399.3	1615.9	1350.9	1281.8
25°	3156.9	2333.1	1546.8	1299.0	1244.3
26°	3125.2	2252.5	1477.6	1253.0	1198.2
27°	3093.5	2174.7	1417.1	1204.0	1157.9
28°	3053.2	2094.0	1350.9	1163.7	1123.3
29°	3010.0	2019.1	1296.2	1129.1	1097.4
30°	2966.8	1935.6	1250.1	1097.4	1071.5
32.5°	2845.8	1751.3	1132.0	1036.9	1019.7
35°	2701.8	1578.4	1048.5	982.2	976.4
37.5°	2540.5	1420.0	973.6	939.0	944.8
40°	2350.4	1276.0	910.2	907.3	918.8
42.5°	2148.8	1152.1	861.2	881.4	898.7
45°	1941.4	1039.8	812.3	855.5	878.5
47.5°	1725.3	941.9	769.1	823.8	849.7
50°	1506.4	846.8	723.0	786.3	812.3
52.5°	1310.6	763.3	676.9	743.1	771.9
55°	1114.7	682.6	627.9	697.1	720.1
57.5°	944.8	607.8	576.1	645.2	662.5
60°	786.3	535.7	524.2	587.6	607.8
62.5°	642.3	472.4	475.3	535.7	555.9
65°	524.2	411.9	432.1	486.8	504.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	426.3	354.3	388.9	446.5	460.9
70°	337.0	302.4	354.3	406.1	420.5
72.5°	267.9	256.4	319.7	374.4	386.0
75°	204.5	213.1	290.9	342.8	357.2
77.5°	146.9	178.6	262.1	316.8	328.4
80°	103.7	146.9	239.1	293.8	305.3
82.5°	66.2	121.0	216.0	273.6	285.2
85°	34.6	97.9	195.9	253.5	265.0
87.5°	14.4	80.7	175.7	233.3	244.8
90°	0.0	66.2	158.4	216.0	224.7
92.5°	0.0	57.6	144.0	198.7	207.4
95°	0.0	49.0	132.5	181.5	190.1
97.5°	0.0	46.1	118.1	167.1	175.7
100°	0.0	40.3	106.6	152.7	164.2
102.5°	0.0	37.4	97.9	138.3	149.8
105°	0.0	34.6	89.3	126.7	138.3
107.5°	0.0	31.7	83.5	118.1	126.7
110°	0.0	31.7	74.9	109.5	118.1
112.5°	2.9	28.8	69.1	97.9	106.6
115°	2.9	28.8	63.4	92.2	97.9
117.5°	2.9	28.8	60.5	83.5	89.3
120°	2.9	25.9	57.6	77.8	83.5
122.5°	2.9	25.9	54.7	72.0	74.9
125°	2.9	23.0	51.8	66.2	72.0
127.5°	2.9	23.0	49.0	63.4	66.2
130°	2.9	23.0	46.1	57.6	63.4
132.5°	2.9	20.2	43.2	54.7	57.6
135°	2.9	20.2	40.3	51.8	54.7
137.5°	2.9	17.3	37.4	49.0	51.8
140°	2.9	17.3	34.6	46.1	49.0
142.5°	2.9	14.4	31.7	43.2	46.1
145°	2.9	14.4	28.8	40.3	43.2
147.5°	2.9	14.4	25.9	37.4	40.3
150°	2.9	11.5	23.0	34.6	37.4
152.5°	2.9	11.5	20.2	31.7	34.6
155°	2.9	11.5	20.2	28.8	31.7
157.5°	2.9	8.6	17.3	23.0	28.8
160°	2.9	8.6	14.4	20.2	25.9
162.5°	2.9	8.6	14.4	17.3	20.2
165°	2.9	5.8	11.5	14.4	17.3
167.5°	2.9	5.8	8.6	11.5	14.4
170°	2.9	5.8	8.6	8.6	11.5
172.5°	2.9	5.8	5.8	5.8	5.8
175°	5.8	5.8	5.8	5.8	2.9
177.5°	5.8	5.8	5.8	2.9	2.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.9	2.9	2.9	2.9	2.9

(END OF REPORT)