

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: P566636

Luminaire Tested: **4SNX-60SL-LN-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566636  
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-L940-CD  
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

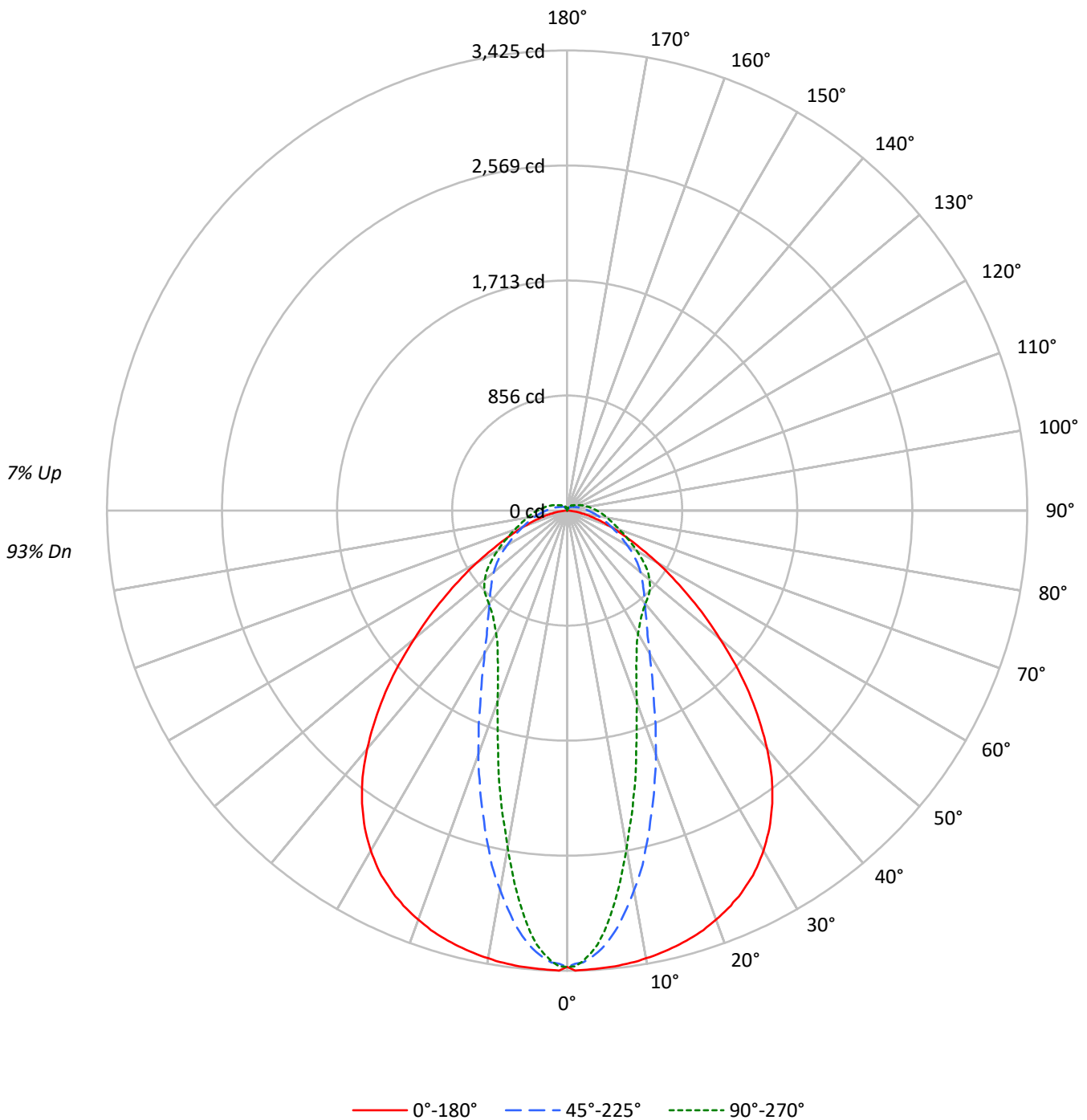
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5414.0 lumens  
Efficiency: N/A  
Efficacy: 128.9 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 (A<sub>in</sub>): 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°	36559	36559	36559
5°	36748	33601	32155
10°	36698	28809	24947
15°	36680	23500	18699
20°	36562	18721	13993
25°	36230	14670	11106
30°	35471	11872	9473
35°	33982	10047	8617
40°	31434	8870	8156
45°	27947	8115	7904
50°	23675	7468	7466
55°	19450	6768	6819
60°	15553	5953	5982
65°	12074	5226	5205
70°	9375	4622	4605
75°	7252	4154	4195
80°	5119	3801	3900
85°	2844	3543	3739



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	300.8	5.6
10°-20°	705.0	13.0
20°-30°	836.9	15.5
30°-40°	842.0	15.6
40°-50°	782.6	14.5
50°-60°	644.5	11.9
60°-70°	454.1	8.4
70°-80°	296.7	5.5
80°-90°	189.4	3.5
90°-100°	124.2	2.3
100°-110°	84.3	1.6
110°-120°	57.8	1.1
120°-130°	40.0	0.7
130°-140°	26.9	0.5
140°-150°	16.6	0.3
150°-160°	8.6	0.2
160°-170°	3.1	0.1
170°-180°	0.5	0.0
0°-30°	1842.6	34.0
0°-40°	2684.6	49.6
0°-60°	4111.7	75.9
0°-90°	5051.9	93.3
90°-120°	266.4	4.9
90°-150°	349.8	6.5
90°-180°	362.0	6.7
0°-180°	5414.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3396	3396	3396	3396	3396	
5°	3413	3368	3246	3184	3150	325
15°	3328	2974	2392	2091	1978	940
25°	3110	2298	1524	1280	1226	1431
35°	2662	1555	1033	968	962	1655
45°	1912	1024	800	843	865	1468
55°	1098	672	619	687	709	992
65°	516	406	426	480	496	524
75°	202	210	287	338	352	218
85°	34	96	193	250	261	43
90°	0	65	156	213	221	2
95°	0	48	130	179	187	0
105°	0	34	88	125	136	0
115°	3	28	62	91	96	2
125°	3	23	51	65	71	3
135°	3	20	40	51	54	2
145°	3	14	28	40	43	2
155°	3	11	20	28	31	1
165°	3	6	11	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°	3396.4	3396.4	3396.4	3396.4	3396.4
1°	3424.7	3410.6	3373.7	3399.2	3393.5
2°	3421.9	3407.7	3365.2	3376.5	3356.6
3°	3419.1	3399.2	3333.9	3331.1	3302.7
4°	3416.2	3385.0	3294.2	3260.2	3237.5
5°	3413.4	3368.0	3246.0	3183.6	3149.5
6°	3410.6	3348.1	3183.6	3089.9	3041.7
7°	3404.9	3316.9	3118.3	2990.6	2928.2
8°	3399.2	3288.5	3036.0	2882.8	2806.2
9°	3393.5	3251.7	2953.7	2766.5	2675.7
10°	3382.2	3214.8	2868.6	2647.3	2550.8
11°	3376.5	3172.2	2786.3	2533.8	2420.3
12°	3365.2	3126.8	2698.4	2414.6	2315.3
13°	3353.8	3078.6	2590.5	2312.5	2193.3
14°	3342.5	3027.5	2496.9	2199.0	2088.3
15°	3328.3	2973.6	2391.9	2091.2	1977.7
16°	3314.1	2911.2	2298.3	1980.5	1861.3
17°	3299.9	2851.6	2210.3	1878.4	1770.5
18°	3282.9	2792.0	2108.2	1779.0	1674.1
19°	3260.2	2723.9	2025.9	1688.3	1591.8
20°	3240.3	2661.5	1932.3	1603.1	1518.0
21°	3217.6	2584.9	1838.6	1523.7	1438.6
22.5°	3183.6	2477.0	1719.5	1424.4	1344.9
23°	3166.5	2445.8	1671.2	1387.5	1319.4
24°	3143.8	2363.6	1591.8	1330.7	1262.6
25°	3109.8	2298.3	1523.7	1279.7	1225.8
26°	3078.6	2218.8	1455.6	1234.3	1180.4
27°	3047.4	2142.2	1396.0	1186.0	1140.6
28°	3007.6	2062.8	1330.7	1146.3	1106.6
29°	2965.1	1989.0	1276.8	1112.3	1081.0
30°	2922.5	1906.7	1231.4	1081.0	1055.5
32.5°	2803.3	1725.1	1115.1	1021.5	1004.4
35°	2661.5	1554.9	1032.8	967.6	961.9
37.5°	2502.6	1398.8	959.0	925.0	930.7
40°	2315.3	1257.0	896.6	893.8	905.1
42.5°	2116.7	1135.0	848.4	868.2	885.3
45°	1912.4	1024.3	800.1	842.7	865.4
47.5°	1699.6	927.8	757.6	811.5	837.0
50°	1484.0	834.2	712.2	774.6	800.1
52.5°	1291.0	751.9	666.8	732.0	760.4
55°	1098.1	672.5	618.6	686.7	709.3
57.5°	930.7	598.7	567.5	635.6	652.6
60°	774.6	527.8	516.4	578.8	598.7
62.5°	632.7	465.3	468.2	527.8	547.6
65°	516.4	405.7	425.6	479.5	496.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	419.9	349.0	383.0	439.8	454.0
70°	332.0	297.9	349.0	400.1	414.3
72.5°	263.9	252.5	315.0	368.9	380.2
75°	201.5	210.0	286.6	337.7	351.8
77.5°	144.7	175.9	258.2	312.1	323.5
80°	102.1	144.7	235.5	289.4	300.8
82.5°	65.3	119.2	212.8	269.6	280.9
85°	34.0	96.5	192.9	249.7	261.0
87.5°	14.2	79.4	173.1	229.8	241.2
90°	0.0	65.3	156.1	212.8	221.3
92.5°	0.0	56.7	141.9	195.8	204.3
95°	0.0	48.2	130.5	178.8	187.3
97.5°	0.0	45.4	116.3	164.6	173.1
100°	0.0	39.7	105.0	150.4	161.7
102.5°	0.0	36.9	96.5	136.2	147.5
105°	0.0	34.0	88.0	124.8	136.2
107.5°	0.0	31.2	82.3	116.3	124.8
110°	0.0	31.2	73.8	107.8	116.3
112.5°	2.8	28.4	68.1	96.5	105.0
115°	2.8	28.4	62.4	90.8	96.5
117.5°	2.8	28.4	59.6	82.3	88.0
120°	2.8	25.5	56.7	76.6	82.3
122.5°	2.8	25.5	53.9	70.9	73.8
125°	2.8	22.7	51.1	65.3	70.9
127.5°	2.8	22.7	48.2	62.4	65.3
130°	2.8	22.7	45.4	56.7	62.4
132.5°	2.8	19.9	42.6	53.9	56.7
135°	2.8	19.9	39.7	51.1	53.9
137.5°	2.8	17.0	36.9	48.2	51.1
140°	2.8	17.0	34.0	45.4	48.2
142.5°	2.8	14.2	31.2	42.6	45.4
145°	2.8	14.2	28.4	39.7	42.6
147.5°	2.8	14.2	25.5	36.9	39.7
150°	2.8	11.3	22.7	34.0	36.9
152.5°	2.8	11.3	19.9	31.2	34.0
155°	2.8	11.3	19.9	28.4	31.2
157.5°	2.8	8.5	17.0	22.7	28.4
160°	2.8	8.5	14.2	19.9	25.5
162.5°	2.8	8.5	14.2	17.0	19.9
165°	2.8	5.7	11.3	14.2	17.0
167.5°	2.8	5.7	8.5	11.3	14.2
170°	2.8	5.7	8.5	8.5	11.3
172.5°	2.8	5.7	5.7	5.7	5.7
175°	5.7	5.7	5.7	5.7	2.8
177.5°	5.7	5.7	5.7	2.8	2.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.8	2.8	2.8	2.8	2.8

(END OF REPORT)