

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: P566626

Luminaire Tested: **4SNX-60SL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566626  
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-60SL-LC-UNV-L930-CD  
Description: 4FT 6000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

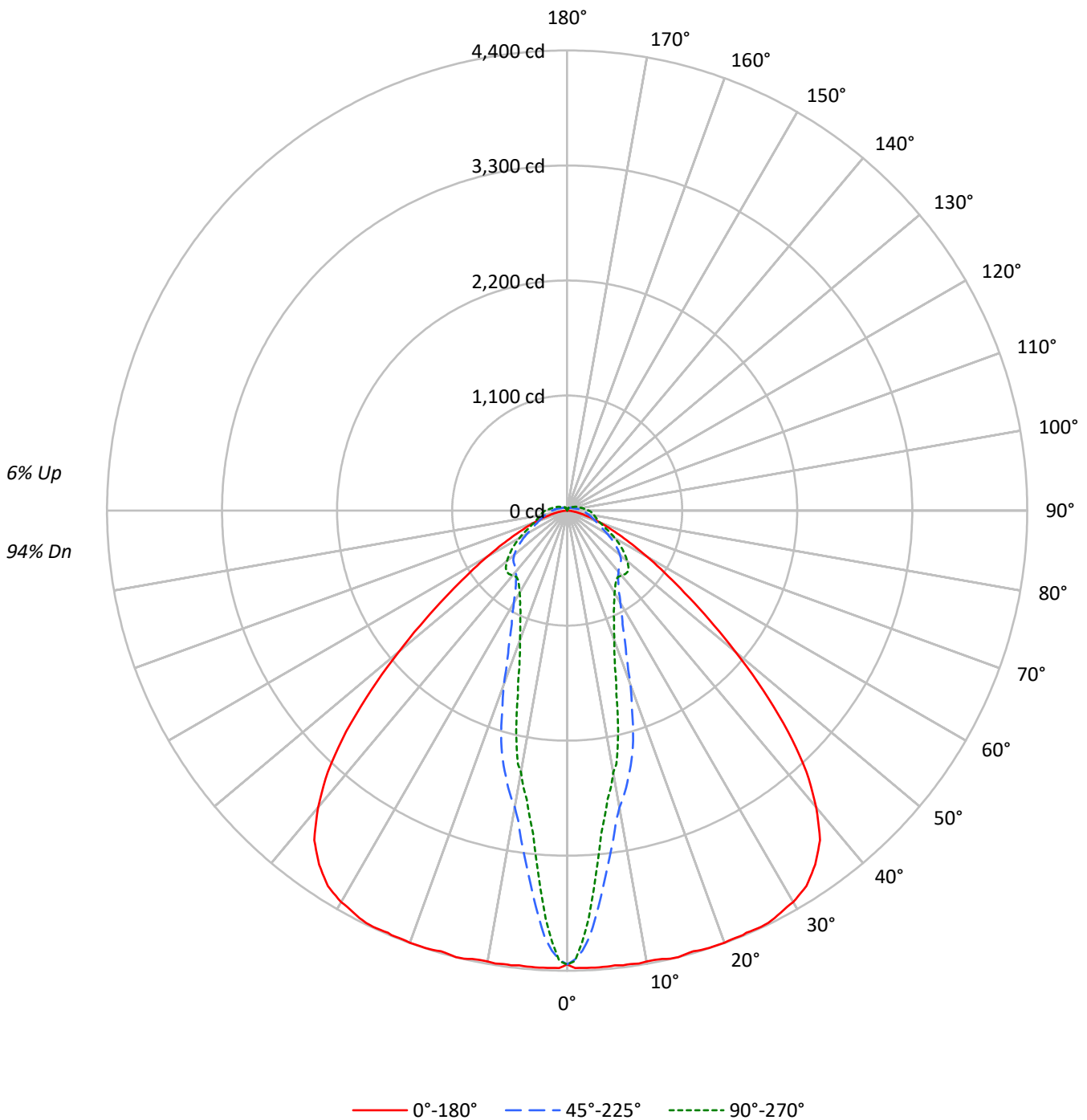
Lumens per Lamp: N/A  
Luminaire Lumens: 5349.0 lumens  
Efficiency: N/A  
Efficacy: 127.4 lumens/watt  
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 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	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°	46709	46709	46709
5°	47129	38363	34340
10°	47499	28962	24853
15°	48366	23673	17209
20°	49613	17130	12154
25°	51162	12273	9562
30°	52468	9805	8143
35°	52780	8293	7293
40°	50316	7540	7311
45°	43664	7284	7511
50°	33499	6927	7009
55°	24276	6058	6219
60°	17613	5056	5258
65°	12817	4275	4310
70°	9443	3776	3717
75°	6709	3496	3465
80°	4397	3275	3413
85°	2066	3122	3417



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	341.3	6.4
10°-20°	741.0	13.9
20°-30°	848.2	15.9
30°-40°	849.8	15.9
40°-50°	804.4	15.0
50°-60°	616.9	11.5
60°-70°	397.6	7.4
70°-80°	253.6	4.7
80°-90°	168.4	3.1
90°-100°	113.2	2.1
100°-110°	74.6	1.4
110°-120°	51.9	1.0
120°-130°	36.2	0.7
130°-140°	25.1	0.5
140°-150°	15.4	0.3
150°-160°	7.8	0.1
160°-170°	3.0	0.1
170°-180°	0.6	0.0
0°-30°	1930.6	36.1
0°-40°	2780.3	52.0
0°-60°	4201.6	78.6
0°-90°	5021.2	93.9
90°-120°	239.7	4.5
90°-150°	316.3	5.9
90°-180°	328.0	6.1
0°-180°	5349.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4339	4339	4339	4339	4339	
5°	4378	4136	3706	3457	3364	418
15°	4389	3161	2410	1979	1820	1245
25°	4392	2237	1275	1108	1055	2024
35°	4134	1244	852	825	814	2565
45°	2988	787	718	795	822	2272
55°	1371	562	554	622	647	1260
65°	548	354	348	398	411	564
75°	186	192	241	277	291	205
85°	25	88	170	222	238	34
90°	0	60	142	197	206	1
95°	0	44	118	162	170	0
105°	0	33	77	110	118	2
115°	3	27	58	80	85	3
125°	3	25	49	58	60	2
135°	3	19	38	47	49	2
145°	3	14	27	36	38	2
155°	3	8	16	25	27	1
165°	6	6	11	14	16	1
175°	6	6	6	6	3	1
180°	6	6	6	6	6	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4339.4	4339.4	4339.4	4339.4	4339.4
1°	4375.0	4350.3	4292.8	4309.2	4306.5
2°	4375.0	4322.9	4210.5	4177.6	4128.3
3°	4377.7	4276.3	4084.4	3977.5	3909.0
4°	4377.7	4207.8	3898.0	3719.9	3632.1
5°	4377.7	4136.5	3706.1	3456.7	3363.5
6°	4372.3	4051.5	3511.5	3248.4	3108.6
7°	4380.5	3958.3	3336.1	3053.7	2944.1
8°	4377.7	3848.7	3174.3	2905.7	2785.1
9°	4386.0	3741.8	2998.9	2765.9	2675.4
10°	4377.7	3643.1	2883.8	2634.3	2541.1
11°	4377.7	3547.2	2801.5	2549.3	2469.8
12°	4383.2	3437.5	2711.1	2428.7	2319.1
13°	4396.9	3325.1	2606.9	2297.2	2168.3
14°	4399.7	3240.1	2511.0	2129.9	1995.6
15°	4388.7	3160.6	2409.5	1979.2	1820.2
16°	4383.2	3078.4	2288.9	1836.6	1694.1
17°	4394.2	2982.5	2151.9	1691.3	1559.8
18°	4396.9	2894.7	2006.6	1581.7	1466.6
19°	4396.9	2826.2	1888.7	1480.3	1381.6
20°	4396.9	2760.4	1768.1	1403.5	1318.5
21°	4391.5	2678.2	1631.0	1324.0	1252.7
22.5°	4394.2	2524.7	1474.8	1230.8	1173.2
23°	4386.0	2486.3	1436.4	1206.1	1145.8
24°	4388.7	2376.6	1354.2	1156.8	1099.2
25°	4391.5	2236.8	1274.7	1107.5	1055.4
26°	4386.0	2124.5	1208.9	1060.9	1025.2
27°	4372.3	2034.0	1162.3	1022.5	989.6
28°	4353.1	1913.4	1112.9	989.6	959.4
29°	4333.9	1776.3	1063.6	953.9	932.0
30°	4322.9	1666.7	1017.0	926.5	907.3
32.5°	4257.1	1450.1	921.1	871.7	855.3
35°	4133.8	1244.5	852.5	825.1	814.1
37.5°	3972.0	1085.5	800.4	795.0	797.7
40°	3706.1	959.4	762.1	786.7	811.4
42.5°	3388.2	860.7	734.6	795.0	822.4
45°	2987.9	786.7	718.2	795.0	822.4
47.5°	2543.9	726.4	699.0	767.5	795.0
50°	2099.8	671.6	660.6	726.4	751.1
52.5°	1707.8	619.5	611.3	674.3	699.0
55°	1370.6	562.0	553.7	622.3	646.9
57.5°	1099.2	507.1	498.9	562.0	586.6
60°	877.2	452.3	438.6	501.6	526.3
62.5°	699.0	400.2	392.0	446.8	468.8
65°	548.2	353.6	348.1	397.5	411.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	433.1	309.8	312.5	353.6	370.1
70°	334.4	268.6	285.1	323.5	334.4
72.5°	252.2	227.5	263.2	296.1	309.8
75°	186.4	191.9	241.2	276.9	290.6
77.5°	128.8	159.0	222.0	260.4	274.1
80°	87.7	128.8	202.9	246.7	263.2
82.5°	52.1	106.9	186.4	233.0	252.2
85°	24.7	87.7	170.0	222.0	238.5
87.5°	8.2	71.3	153.5	211.1	224.8
90°	0.0	60.3	142.5	197.4	205.6
92.5°	0.0	52.1	128.8	180.9	186.4
95°	0.0	43.9	117.9	161.7	170.0
97.5°	0.0	41.1	109.6	145.3	156.3
100°	0.0	38.4	98.7	131.6	142.5
102.5°	0.0	32.9	87.7	117.9	128.8
105°	0.0	32.9	76.8	109.6	117.9
107.5°	2.7	30.2	71.3	98.7	109.6
110°	2.7	30.2	63.0	93.2	101.4
112.5°	2.7	30.2	60.3	85.0	95.9
115°	2.7	27.4	57.6	79.5	85.0
117.5°	2.7	27.4	54.8	71.3	76.8
120°	2.7	24.7	52.1	65.8	68.5
122.5°	2.7	24.7	49.3	60.3	63.0
125°	2.7	24.7	49.3	57.6	60.3
127.5°	2.7	21.9	46.6	54.8	54.8
130°	2.7	21.9	43.9	52.1	52.1
132.5°	2.7	19.2	41.1	49.3	52.1
135°	2.7	19.2	38.4	46.6	49.3
137.5°	2.7	16.4	35.6	43.9	46.6
140°	2.7	16.4	32.9	41.1	43.9
142.5°	2.7	13.7	30.2	38.4	41.1
145°	2.7	13.7	27.4	35.6	38.4
147.5°	2.7	13.7	24.7	32.9	35.6
150°	2.7	11.0	21.9	30.2	32.9
152.5°	2.7	11.0	19.2	27.4	30.2
155°	2.7	8.2	16.4	24.7	27.4
157.5°	2.7	8.2	16.4	21.9	24.7
160°	5.5	8.2	13.7	19.2	21.9
162.5°	2.7	5.5	13.7	16.4	19.2
165°	5.5	5.5	11.0	13.7	16.4
167.5°	5.5	5.5	8.2	11.0	13.7
170°	5.5	5.5	8.2	8.2	11.0
172.5°	5.5	5.5	5.5	8.2	5.5
175°	5.5	5.5	5.5	5.5	2.7
177.5°	5.5	5.5	5.5	5.5	2.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	5.5	5.5	5.5	5.5	5.5

(END OF REPORT)