

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: P566581

Luminaire Tested: **4SNX-57SL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566581  
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-57SL-LC-UNV-L950-CD  
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

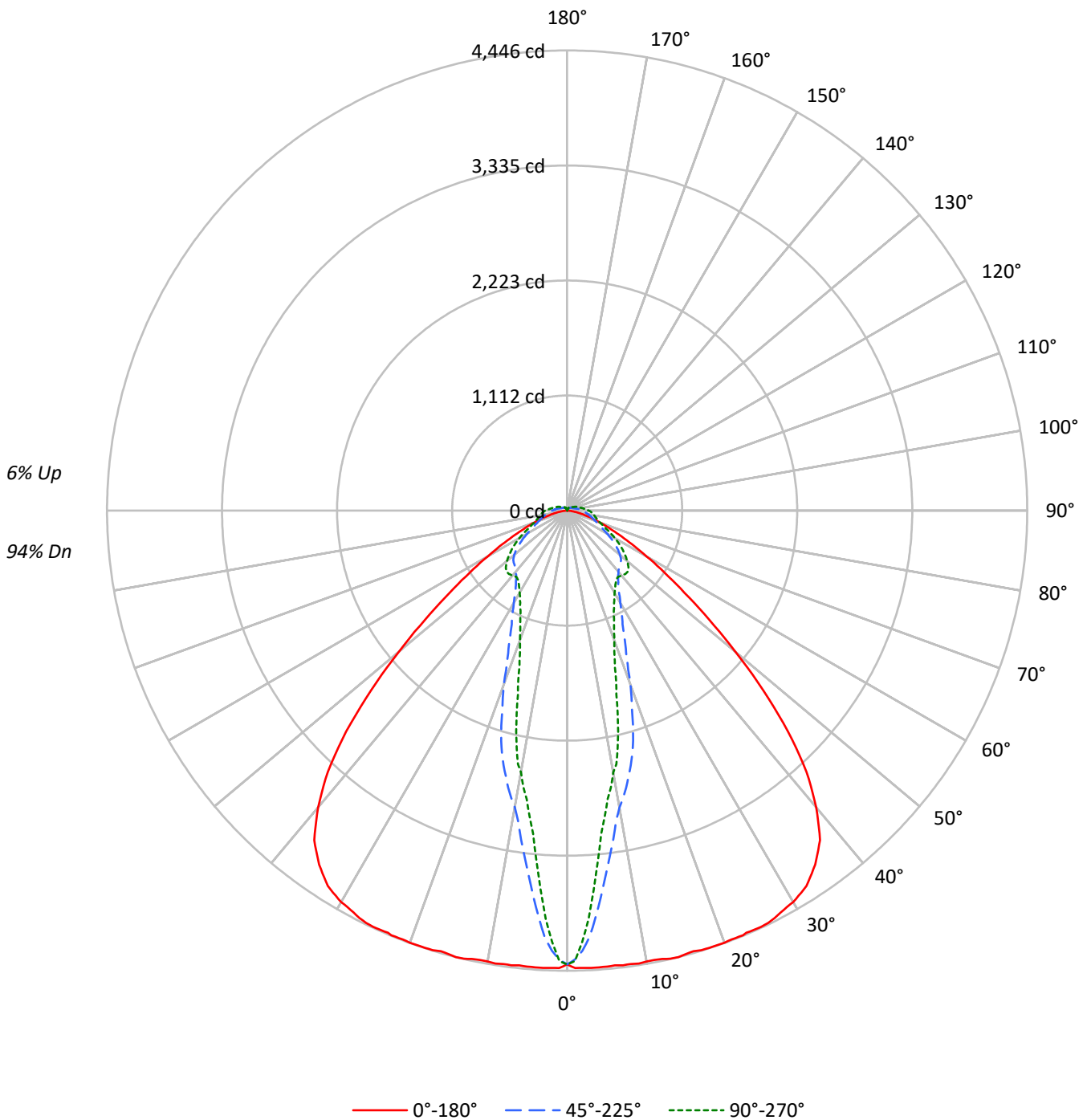
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5405.0 lumens  
Efficiency: N/A  
Efficacy: 136.1 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): 39.7  
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°	47198	47198	47198
5°	47624	38765	34699
10°	47997	29265	25113
15°	48873	23922	17389
20°	50133	17309	12281
25°	51697	12401	9662
30°	53017	9907	8228
35°	53332	8380	7370
40°	50843	7618	7388
45°	44121	7360	7590
50°	33850	7001	7083
55°	24532	6121	6284
60°	17798	5109	5313
65°	12953	4320	4356
70°	9542	3816	3755
75°	6781	3534	3501
80°	4442	3309	3448
85°	2083	3153	3453



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	344.8	6.4
10°-20°	748.8	13.9
20°-30°	857.1	15.9
30°-40°	858.6	15.9
40°-50°	812.8	15.0
50°-60°	623.4	11.5
60°-70°	401.8	7.4
70°-80°	256.2	4.7
80°-90°	170.1	3.1
90°-100°	114.4	2.1
100°-110°	75.4	1.4
110°-120°	52.4	1.0
120°-130°	36.6	0.7
130°-140°	25.4	0.5
140°-150°	15.5	0.3
150°-160°	7.9	0.1
160°-170°	3.0	0.1
170°-180°	0.6	0.0
0°-30°	1950.8	36.1
0°-40°	2809.4	52.0
0°-60°	4245.6	78.6
0°-90°	5073.8	93.9
90°-120°	242.2	4.5
90°-150°	319.7	5.9
90°-180°	331.0	6.1
0°-180°	5405.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4385	4385	4385	4385	4385	
5°	4424	4180	3745	3493	3399	422
15°	4435	3194	2435	2000	1839	1258
25°	4437	2260	1288	1119	1066	2046
35°	4177	1258	861	834	823	2592
45°	3019	795	726	803	831	2296
55°	1385	568	560	629	654	1274
65°	554	357	352	402	416	570
75°	188	194	244	280	294	207
85°	25	89	172	224	241	34
90°	0	61	144	199	208	1
95°	0	44	119	163	172	0
105°	0	33	78	111	119	2
115°	3	28	58	80	86	3
125°	3	25	50	58	61	3
135°	3	19	39	47	50	2
145°	3	14	28	36	39	2
155°	3	8	17	25	28	1
165°	6	6	11	14	17	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°	4384.8	4384.8	4384.8	4384.8	4384.8
1°	4420.8	4395.9	4337.7	4354.3	4351.6
2°	4420.8	4368.2	4254.6	4221.4	4171.5
3°	4423.6	4321.1	4127.2	4019.2	3949.9
4°	4423.6	4251.8	3938.8	3758.8	3670.2
5°	4423.6	4179.8	3744.9	3492.9	3398.7
6°	4418.0	4094.0	3548.3	3282.4	3141.1
7°	4426.3	3999.8	3371.0	3085.7	2974.9
8°	4423.6	3889.0	3207.6	2936.1	2814.2
9°	4431.9	3781.0	3030.3	2794.9	2703.5
10°	4423.6	3681.2	2914.0	2661.9	2567.7
11°	4423.6	3584.3	2830.9	2576.0	2495.7
12°	4429.1	3473.5	2739.5	2454.2	2343.4
13°	4443.0	3359.9	2634.2	2321.2	2191.0
14°	4445.7	3274.1	2537.3	2152.2	2016.5
15°	4434.7	3193.7	2434.8	1999.9	1839.2
16°	4429.1	3110.6	2312.9	1855.9	1711.8
17°	4440.2	3013.7	2174.4	1709.0	1576.1
18°	4443.0	2925.0	2027.6	1598.2	1481.9
19°	4443.0	2855.8	1908.5	1495.8	1396.0
20°	4443.0	2789.3	1786.6	1418.2	1332.3
21°	4437.4	2706.2	1648.1	1337.9	1265.9
22.5°	4440.2	2551.1	1490.2	1243.7	1185.5
23°	4431.9	2512.3	1451.4	1218.8	1157.8
24°	4434.7	2401.5	1368.3	1168.9	1110.7
25°	4437.4	2260.3	1288.0	1119.1	1066.4
26°	4431.9	2146.7	1221.5	1072.0	1036.0
27°	4418.0	2055.3	1174.5	1033.2	999.9
28°	4398.6	1933.4	1124.6	999.9	969.5
29°	4379.3	1794.9	1074.7	963.9	941.8
30°	4368.2	1684.1	1027.6	936.2	916.8
32.5°	4301.7	1465.3	930.7	880.8	864.2
35°	4177.1	1257.5	861.4	833.7	822.7
37.5°	4013.6	1096.9	808.8	803.3	806.0
40°	3744.9	969.5	770.0	795.0	819.9
42.5°	3423.6	869.8	742.3	803.3	831.0
45°	3019.2	795.0	725.7	803.3	831.0
47.5°	2570.5	734.0	706.3	775.6	803.3
50°	2121.8	678.6	667.6	734.0	759.0
52.5°	1725.7	626.0	617.7	681.4	706.3
55°	1385.0	567.8	559.5	628.8	653.7
57.5°	1110.7	512.4	504.1	567.8	592.8
60°	886.4	457.0	443.2	506.9	531.8
62.5°	706.3	404.4	396.1	451.5	473.7
65°	554.0	357.3	351.8	401.6	415.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	437.6	313.0	315.8	357.3	373.9
70°	337.9	271.5	288.1	326.9	337.9
72.5°	254.8	229.9	265.9	299.2	313.0
75°	188.4	193.9	243.8	279.8	293.6
77.5°	130.2	160.7	224.4	263.1	277.0
80°	88.6	130.2	205.0	249.3	265.9
82.5°	52.6	108.0	188.4	235.4	254.8
85°	24.9	88.6	171.7	224.4	241.0
87.5°	8.3	72.0	155.1	213.3	227.1
90°	0.0	60.9	144.0	199.4	207.7
92.5°	0.0	52.6	130.2	182.8	188.4
95°	0.0	44.3	119.1	163.4	171.7
97.5°	0.0	41.5	110.8	146.8	157.9
100°	0.0	38.8	99.7	133.0	144.0
102.5°	0.0	33.2	88.6	119.1	130.2
105°	0.0	33.2	77.6	110.8	119.1
107.5°	2.8	30.5	72.0	99.7	110.8
110°	2.8	30.5	63.7	94.2	102.5
112.5°	2.8	30.5	60.9	85.9	96.9
115°	2.8	27.7	58.2	80.3	85.9
117.5°	2.8	27.7	55.4	72.0	77.6
120°	2.8	24.9	52.6	66.5	69.2
122.5°	2.8	24.9	49.9	60.9	63.7
125°	2.8	24.9	49.9	58.2	60.9
127.5°	2.8	22.2	47.1	55.4	55.4
130°	2.8	22.2	44.3	52.6	52.6
132.5°	2.8	19.4	41.5	49.9	52.6
135°	2.8	19.4	38.8	47.1	49.9
137.5°	2.8	16.6	36.0	44.3	47.1
140°	2.8	16.6	33.2	41.5	44.3
142.5°	2.8	13.8	30.5	38.8	41.5
145°	2.8	13.8	27.7	36.0	38.8
147.5°	2.8	13.8	24.9	33.2	36.0
150°	2.8	11.1	22.2	30.5	33.2
152.5°	2.8	11.1	19.4	27.7	30.5
155°	2.8	8.3	16.6	24.9	27.7
157.5°	2.8	8.3	16.6	22.2	24.9
160°	5.5	8.3	13.8	19.4	22.2
162.5°	2.8	5.5	13.8	16.6	19.4
165°	5.5	5.5	11.1	13.8	16.6
167.5°	5.5	5.5	8.3	11.1	13.8
170°	5.5	5.5	8.3	8.3	11.1
172.5°	5.5	5.5	5.5	8.3	5.5
175°	5.5	5.5	5.5	5.5	2.8
177.5°	5.5	5.5	5.5	5.5	2.8



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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)