

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: P566587

Luminaire Tested: **4SNX-57SL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566587  
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-57SL-LN-UNV-L935-CD  
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

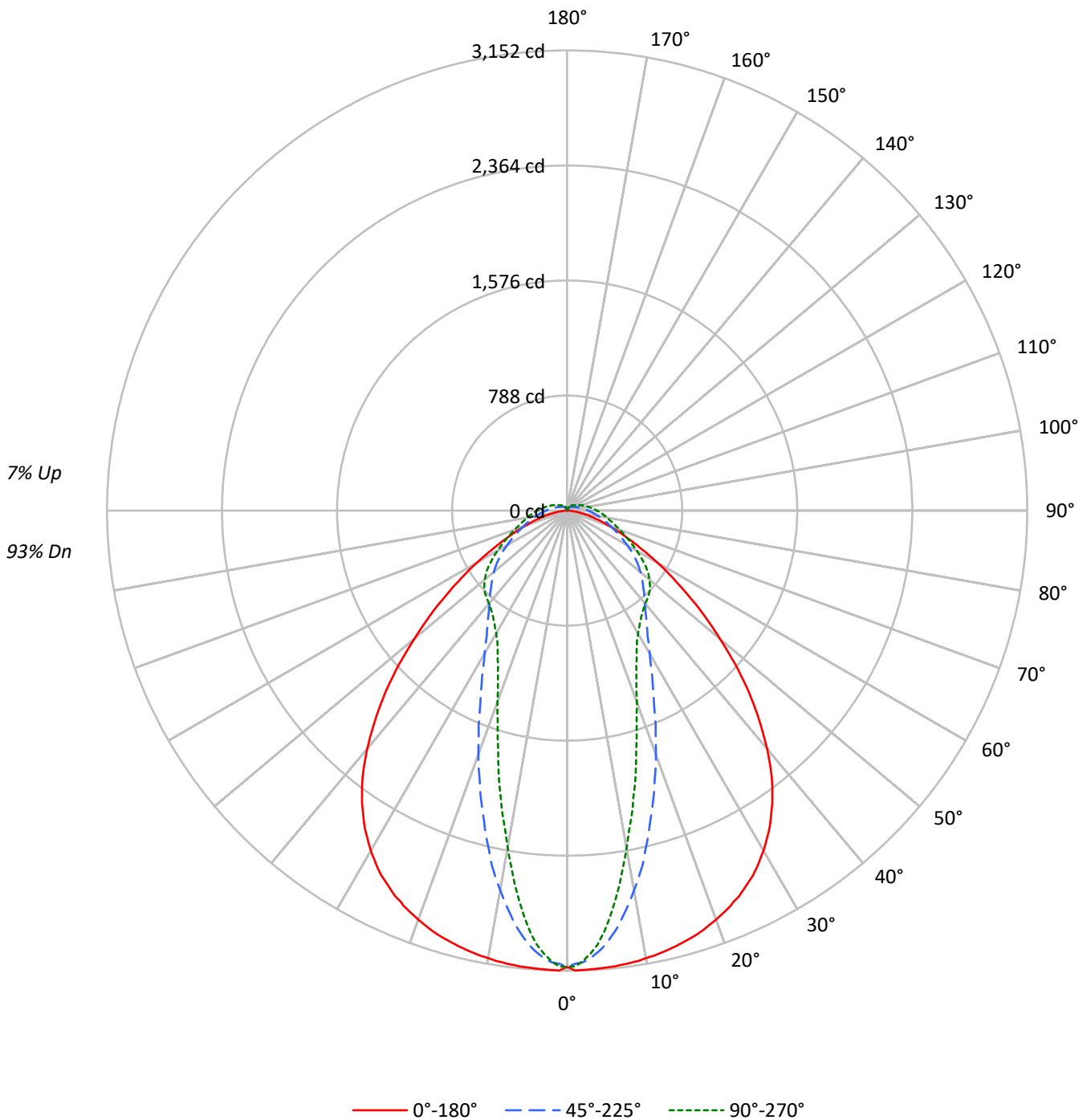
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4982.0 lumens  
Efficiency: N/A  
Efficacy: 125.5 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): 39.7  
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°	33642	33642	33642
5°	33815	30920	29589
10°	33769	26510	22957
15°	33753	21626	17207
20°	33645	17227	12877
25°	33339	13499	10219
30°	32640	10925	8717
35°	31270	9246	7929
40°	28926	8163	7505
45°	25717	7468	7274
50°	21784	6873	6871
55°	17898	6227	6275
60°	14312	5478	5504
65°	11110	4809	4790
70°	8627	4254	4237
75°	6673	3822	3861
80°	4713	3498	3589
85°	2619	3260	3441



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	276.8	5.6
10°-20°	648.8	13.0
20°-30°	770.1	15.5
30°-40°	774.8	15.6
40°-50°	720.2	14.5
50°-60°	593.0	11.9
60°-70°	417.9	8.4
70°-80°	273.0	5.5
80°-90°	174.3	3.5
90°-100°	114.3	2.3
100°-110°	77.6	1.6
110°-120°	53.2	1.1
120°-130°	36.8	0.7
130°-140°	24.8	0.5
140°-150°	15.3	0.3
150°-160°	7.9	0.2
160°-170°	2.9	0.1
170°-180°	0.5	0.0
0°-30°	1695.6	34.0
0°-40°	2470.4	49.6
0°-60°	3783.6	75.9
0°-90°	4648.8	93.3
90°-120°	245.1	4.9
90°-150°	321.9	6.5
90°-180°	333.0	6.7
0°-180°	4982.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3125	3125	3125	3125	3125	
5°	3141	3099	2987	2930	2898	299
15°	3063	2736	2201	1924	1820	865
25°	2862	2115	1402	1178	1128	1317
35°	2449	1431	950	890	885	1523
45°	1760	943	736	776	796	1351
55°	1010	619	569	632	653	913
65°	475	373	392	441	457	482
75°	185	193	264	311	324	200
85°	31	89	178	230	240	39
90°	0	60	144	196	204	2
95°	0	44	120	164	172	0
105°	0	31	81	115	125	0
115°	3	26	57	84	89	2
125°	3	21	47	60	65	2
135°	3	18	37	47	50	2
145°	3	13	26	37	39	2
155°	3	10	18	26	29	1
165°	3	5	10	13	16	1
175°	5	5	5	5	3	0
180°	3	3	3	3	3	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3125.4	3125.4	3125.4	3125.4	3125.4
1°	3151.5	3138.4	3104.5	3128.0	3122.7
2°	3148.9	3135.8	3096.6	3107.1	3088.8
3°	3146.2	3128.0	3067.9	3065.3	3039.2
4°	3143.6	3114.9	3031.4	3000.0	2979.1
5°	3141.0	3099.2	2987.0	2929.5	2898.2
6°	3138.4	3081.0	2929.5	2843.4	2799.0
7°	3133.2	3052.3	2869.5	2752.0	2694.5
8°	3128.0	3026.1	2793.8	2652.8	2582.3
9°	3122.7	2992.2	2718.0	2545.7	2462.2
10°	3112.3	2958.3	2639.7	2436.1	2347.3
11°	3107.1	2919.1	2564.0	2331.6	2227.2
12°	3096.6	2877.3	2483.1	2222.0	2130.6
13°	3086.2	2832.9	2383.8	2128.0	2018.3
14°	3075.7	2785.9	2297.7	2023.5	1921.7
15°	3062.7	2736.3	2201.1	1924.3	1819.9
16°	3049.6	2678.9	2114.9	1822.5	1712.8
17°	3036.6	2624.0	2034.0	1728.5	1629.3
18°	3020.9	2569.2	1940.0	1637.1	1540.5
19°	3000.0	2506.6	1864.2	1553.5	1464.8
20°	2981.8	2449.1	1778.1	1475.2	1396.9
21°	2960.9	2378.6	1691.9	1402.1	1323.8
22.5°	2929.5	2279.4	1582.3	1310.7	1237.6
23°	2913.9	2250.7	1537.9	1276.8	1214.1
24°	2893.0	2175.0	1464.8	1224.6	1161.9
25°	2861.6	2114.9	1402.1	1177.6	1127.9
26°	2832.9	2041.8	1339.4	1135.8	1086.2
27°	2804.2	1971.3	1284.6	1091.4	1049.6
28°	2767.7	1898.2	1224.6	1054.8	1018.3
29°	2728.5	1830.3	1174.9	1023.5	994.8
30°	2689.3	1754.6	1133.2	994.8	971.3
32.5°	2579.7	1587.5	1026.1	940.0	924.3
35°	2449.1	1430.8	950.4	890.3	885.1
37.5°	2302.9	1287.2	882.5	851.2	856.4
40°	2130.6	1156.7	825.1	822.5	832.9
42.5°	1947.8	1044.4	780.7	799.0	814.6
45°	1759.8	942.6	736.3	775.5	796.4
47.5°	1564.0	853.8	697.1	746.7	770.2
50°	1365.5	767.6	655.4	712.8	736.3
52.5°	1188.0	691.9	613.6	673.6	699.7
55°	1010.5	618.8	569.2	631.9	652.7
57.5°	856.4	550.9	522.2	584.9	600.5
60°	712.8	485.6	475.2	532.6	550.9
62.5°	582.3	428.2	430.8	485.6	503.9
65°	475.2	373.4	391.6	441.3	456.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	386.4	321.2	352.5	404.7	417.8
70°	305.5	274.2	321.2	368.1	381.2
72.5°	242.8	232.4	289.8	339.4	349.9
75°	185.4	193.2	263.7	310.7	323.8
77.5°	133.2	161.9	237.6	287.2	297.7
80°	94.0	133.2	216.7	266.3	276.8
82.5°	60.1	109.7	195.8	248.0	258.5
85°	31.3	88.8	177.5	229.8	240.2
87.5°	13.1	73.1	159.3	211.5	221.9
90°	0.0	60.1	143.6	195.8	203.7
92.5°	0.0	52.2	130.5	180.2	188.0
95°	0.0	44.4	120.1	164.5	172.3
97.5°	0.0	41.8	107.1	151.4	159.3
100°	0.0	36.6	96.6	138.4	148.8
102.5°	0.0	33.9	88.8	125.3	135.8
105°	0.0	31.3	80.9	114.9	125.3
107.5°	0.0	28.7	75.7	107.1	114.9
110°	0.0	28.7	67.9	99.2	107.1
112.5°	2.6	26.1	62.7	88.8	96.6
115°	2.6	26.1	57.4	83.6	88.8
117.5°	2.6	26.1	54.8	75.7	80.9
120°	2.6	23.5	52.2	70.5	75.7
122.5°	2.6	23.5	49.6	65.3	67.9
125°	2.6	20.9	47.0	60.1	65.3
127.5°	2.6	20.9	44.4	57.4	60.1
130°	2.6	20.9	41.8	52.2	57.4
132.5°	2.6	18.3	39.2	49.6	52.2
135°	2.6	18.3	36.6	47.0	49.6
137.5°	2.6	15.7	33.9	44.4	47.0
140°	2.6	15.7	31.3	41.8	44.4
142.5°	2.6	13.1	28.7	39.2	41.8
145°	2.6	13.1	26.1	36.6	39.2
147.5°	2.6	13.1	23.5	33.9	36.6
150°	2.6	10.4	20.9	31.3	33.9
152.5°	2.6	10.4	18.3	28.7	31.3
155°	2.6	10.4	18.3	26.1	28.7
157.5°	2.6	7.8	15.7	20.9	26.1
160°	2.6	7.8	13.1	18.3	23.5
162.5°	2.6	7.8	13.1	15.7	18.3
165°	2.6	5.2	10.4	13.1	15.7
167.5°	2.6	5.2	7.8	10.4	13.1
170°	2.6	5.2	7.8	7.8	10.4
172.5°	2.6	5.2	5.2	5.2	5.2
175°	5.2	5.2	5.2	5.2	2.6
177.5°	5.2	5.2	5.2	2.6	2.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.6	2.6	2.6	2.6	2.6

(END OF REPORT)