

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: P566588

Luminaire Tested: **4SNX-57SL-LN-UNV-L940-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566588  
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-L940-CD  
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

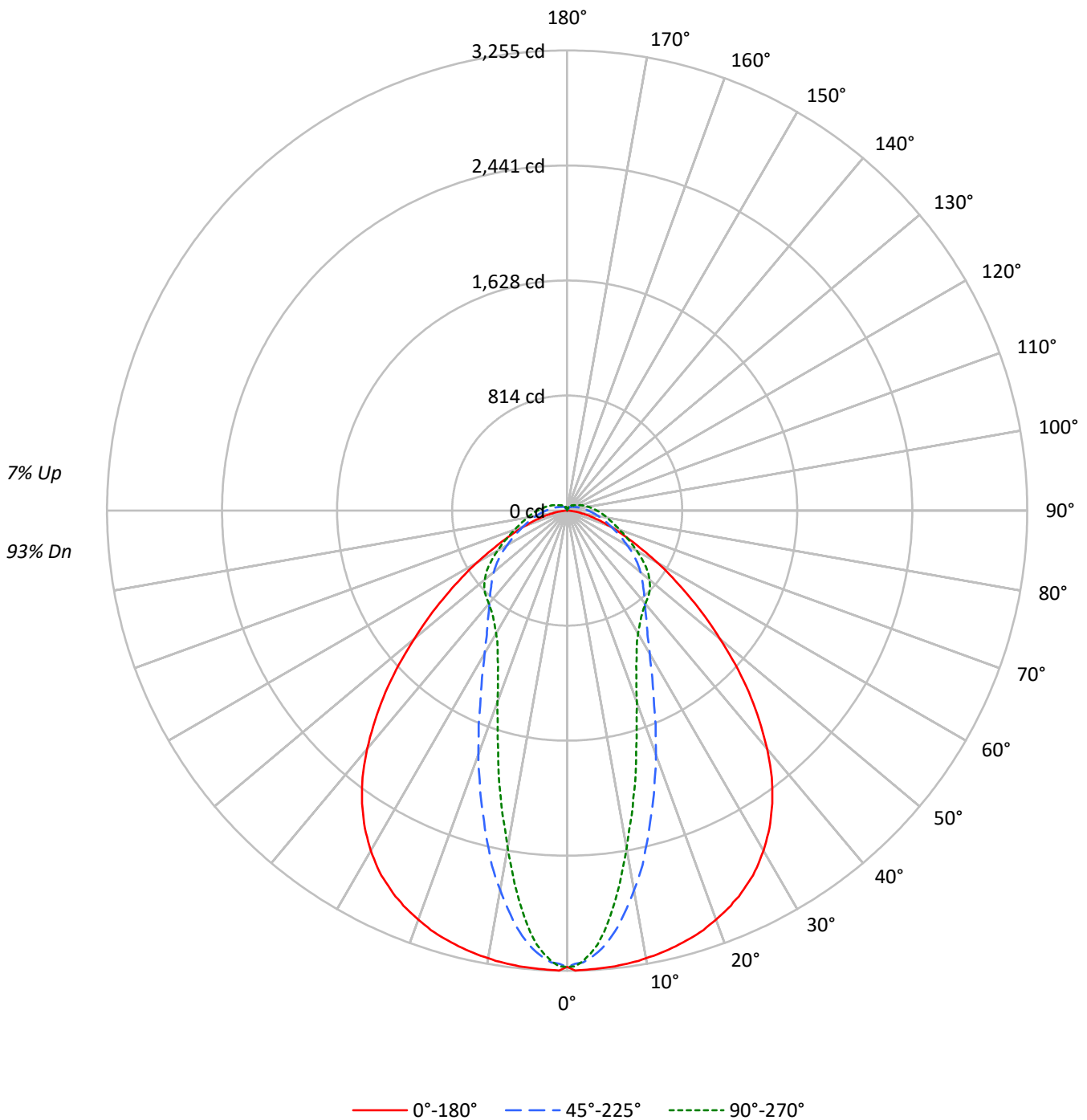
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5145.0 lumens  
Efficiency: N/A  
Efficacy: 129.6 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°	34742	34742	34742
5°	34922	31931	30557
10°	34874	27378	23708
15°	34857	22333	17769
20°	34746	17791	13298
25°	34430	13941	10554
30°	33708	11282	9002
35°	32292	9548	8189
40°	29873	8430	7751
45°	26559	7712	7511
50°	22498	7097	7096
55°	18483	6431	6480
60°	14780	5656	5684
65°	11473	4967	4947
70°	8909	4393	4376
75°	6889	3947	3987
80°	4868	3612	3706
85°	2711	3368	3555



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	285.8	5.6
10°-20°	670.0	13.0
20°-30°	795.3	15.5
30°-40°	800.1	15.6
40°-50°	743.8	14.5
50°-60°	612.4	11.9
60°-70°	431.5	8.4
70°-80°	281.9	5.5
80°-90°	180.0	3.5
90°-100°	118.0	2.3
100°-110°	80.2	1.6
110°-120°	54.9	1.1
120°-130°	38.0	0.7
130°-140°	25.6	0.5
140°-150°	15.8	0.3
150°-160°	8.2	0.2
160°-170°	3.0	0.1
170°-180°	0.5	0.0
0°-30°	1751.1	34.0
0°-40°	2551.2	49.6
0°-60°	3907.4	75.9
0°-90°	4800.9	93.3
90°-120°	253.1	4.9
90°-150°	332.5	6.5
90°-180°	344.0	6.7
0°-180°	5145.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3228	3228	3228	3228	3228	
5°	3244	3201	3085	3025	2993	309
15°	3163	2826	2273	1987	1879	893
25°	2955	2184	1448	1216	1165	1360
35°	2529	1478	982	920	914	1573
45°	1817	973	760	801	822	1395
55°	1044	639	588	652	674	942
65°	491	386	404	456	472	498
75°	191	200	272	321	334	207
85°	32	92	183	237	248	41
90°	0	62	148	202	210	2
95°	0	46	124	170	178	0
105°	0	32	84	119	129	0
115°	3	27	59	86	92	2
125°	3	22	48	62	67	2
135°	3	19	38	48	51	2
145°	3	14	27	38	40	2
155°	3	11	19	27	30	1
165°	3	5	11	14	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°	3227.6	3227.6	3227.6	3227.6	3227.6
1°	3254.6	3241.1	3206.0	3230.3	3224.9
2°	3251.9	3238.4	3198.0	3208.7	3189.9
3°	3249.2	3230.3	3168.3	3165.6	3138.6
4°	3246.5	3216.8	3130.5	3098.2	3076.6
5°	3243.8	3200.6	3084.7	3025.4	2993.0
6°	3241.1	3181.8	3025.4	2936.4	2890.6
7°	3235.7	3152.1	2963.4	2842.0	2782.7
8°	3230.3	3125.1	2885.2	2739.6	2666.8
9°	3224.9	3090.1	2807.0	2629.0	2542.7
10°	3214.1	3055.0	2726.1	2515.8	2424.1
11°	3208.7	3014.6	2647.9	2407.9	2300.0
12°	3198.0	2971.5	2564.3	2294.7	2200.3
13°	3187.2	2925.6	2461.8	2197.6	2084.3
14°	3176.4	2877.1	2372.8	2089.7	1984.6
15°	3162.9	2825.8	2273.1	1987.3	1879.4
16°	3149.4	2766.5	2184.1	1882.1	1768.9
17°	3135.9	2709.9	2100.5	1785.0	1682.6
18°	3119.8	2653.3	2003.4	1690.7	1590.9
19°	3098.2	2588.6	1925.2	1604.4	1512.7
20°	3079.3	2529.2	1836.3	1523.5	1442.6
21°	3057.7	2456.4	1747.3	1448.0	1367.1
22.5°	3025.4	2354.0	1634.0	1353.6	1278.1
23°	3009.2	2324.3	1588.2	1318.5	1253.8
24°	2987.6	2246.1	1512.7	1264.6	1199.9
25°	2955.3	2184.1	1448.0	1216.1	1164.9
26°	2925.6	2108.6	1383.3	1172.9	1121.7
27°	2896.0	2035.8	1326.6	1127.1	1084.0
28°	2858.2	1960.3	1264.6	1089.4	1051.6
29°	2817.8	1890.2	1213.4	1057.0	1027.3
30°	2777.3	1812.0	1170.2	1027.3	1003.1
32.5°	2664.1	1639.4	1059.7	970.7	954.5
35°	2529.2	1477.6	981.5	919.5	914.1
37.5°	2378.2	1329.3	911.4	879.0	884.4
40°	2200.3	1194.5	852.1	849.4	860.2
42.5°	2011.5	1078.6	806.2	825.1	841.3
45°	1817.4	973.4	760.4	800.8	822.4
47.5°	1615.2	881.7	719.9	771.2	795.4
50°	1410.2	792.7	676.8	736.1	760.4
52.5°	1226.9	714.6	633.7	695.7	722.6
55°	1043.5	639.1	587.8	652.5	674.1
57.5°	884.4	568.9	539.3	604.0	620.2
60°	736.1	501.5	490.7	550.1	568.9
62.5°	601.3	442.2	444.9	501.5	520.4
65°	490.7	385.6	404.5	455.7	471.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	399.1	331.7	364.0	417.9	431.4
70°	315.5	283.1	331.7	380.2	393.7
72.5°	250.8	240.0	299.3	350.5	361.3
75°	191.4	199.5	272.3	320.9	334.4
77.5°	137.5	167.2	245.4	296.6	307.4
80°	97.1	137.5	223.8	275.0	285.8
82.5°	62.0	113.2	202.2	256.2	266.9
85°	32.4	91.7	183.4	237.3	248.1
87.5°	13.5	75.5	164.5	218.4	229.2
90°	0.0	62.0	148.3	202.2	210.3
92.5°	0.0	53.9	134.8	186.1	194.1
95°	0.0	45.8	124.0	169.9	178.0
97.5°	0.0	43.1	110.6	156.4	164.5
100°	0.0	37.7	99.8	142.9	153.7
102.5°	0.0	35.1	91.7	129.4	140.2
105°	0.0	32.4	83.6	118.6	129.4
107.5°	0.0	29.7	78.2	110.6	118.6
110°	0.0	29.7	70.1	102.5	110.6
112.5°	2.7	27.0	64.7	91.7	99.8
115°	2.7	27.0	59.3	86.3	91.7
117.5°	2.7	27.0	56.6	78.2	83.6
120°	2.7	24.3	53.9	72.8	78.2
122.5°	2.7	24.3	51.2	67.4	70.1
125°	2.7	21.6	48.5	62.0	67.4
127.5°	2.7	21.6	45.8	59.3	62.0
130°	2.7	21.6	43.1	53.9	59.3
132.5°	2.7	18.9	40.4	51.2	53.9
135°	2.7	18.9	37.7	48.5	51.2
137.5°	2.7	16.2	35.1	45.8	48.5
140°	2.7	16.2	32.4	43.1	45.8
142.5°	2.7	13.5	29.7	40.4	43.1
145°	2.7	13.5	27.0	37.7	40.4
147.5°	2.7	13.5	24.3	35.1	37.7
150°	2.7	10.8	21.6	32.4	35.1
152.5°	2.7	10.8	18.9	29.7	32.4
155°	2.7	10.8	18.9	27.0	29.7
157.5°	2.7	8.1	16.2	21.6	27.0
160°	2.7	8.1	13.5	18.9	24.3
162.5°	2.7	8.1	13.5	16.2	18.9
165°	2.7	5.4	10.8	13.5	16.2
167.5°	2.7	5.4	8.1	10.8	13.5
170°	2.7	5.4	8.1	8.1	10.8
172.5°	2.7	5.4	5.4	5.4	5.4
175°	5.4	5.4	5.4	5.4	2.7
177.5°	5.4	5.4	5.4	2.7	2.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	2.7	2.7	2.7	2.7	2.7

(END OF REPORT)