

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: P566583

Luminaire Tested: **4SNX-57SL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566583  
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-L835-CD  
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

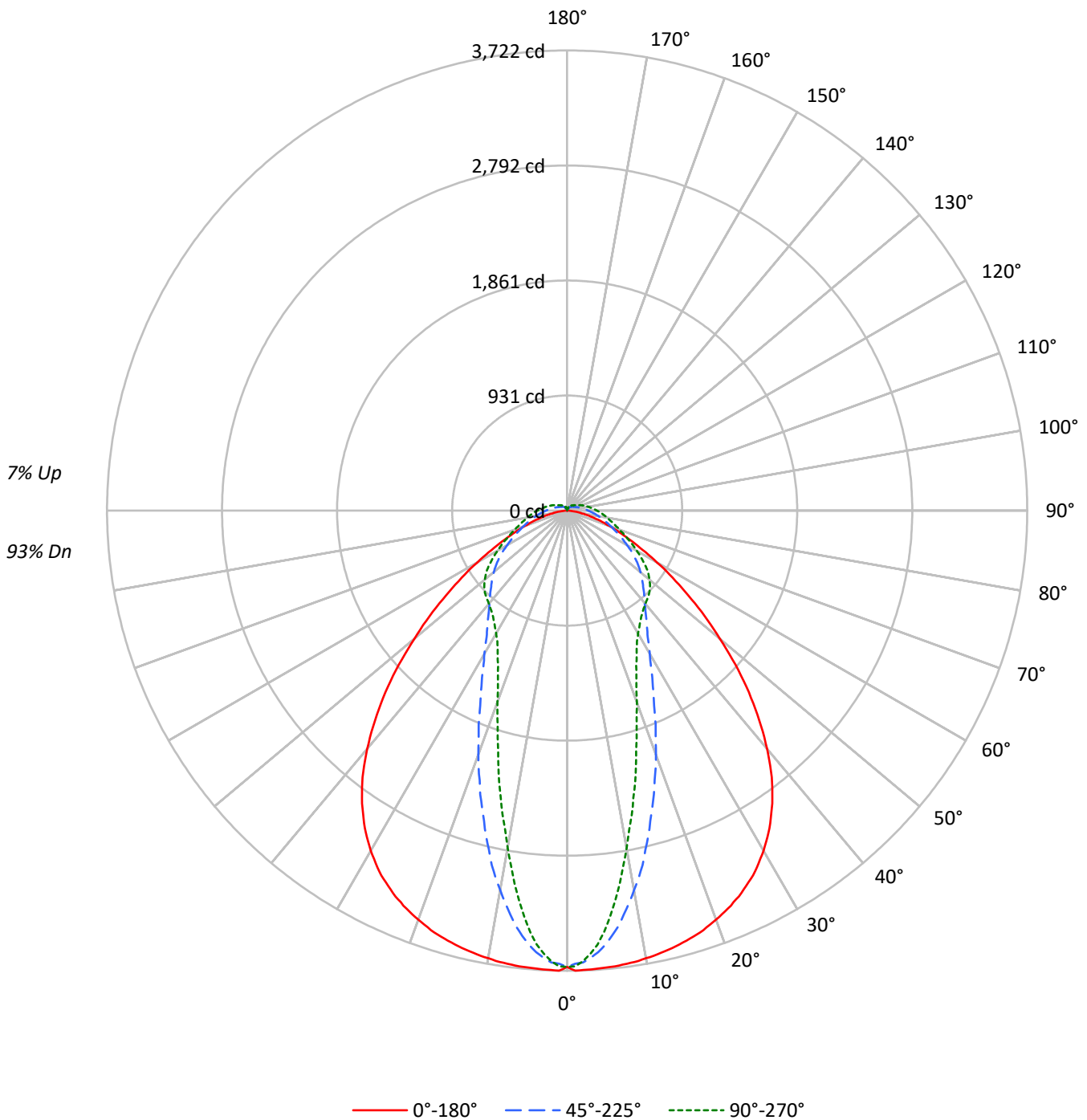
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5884.0 lumens  
Efficiency: N/A  
Efficacy: 148.2 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°	39732	39732	39732
5°	39938	36518	34946
10°	39883	31310	27114
15°	39864	25541	20322
20°	39736	20346	15208
25°	39376	15944	12070
30°	38550	12903	10295
35°	36931	10920	9365
40°	34163	9641	8864
45°	30373	8820	8590
50°	25730	8116	8115
55°	21138	7355	7411
60°	16904	6469	6501
65°	13121	5681	5657
70°	10189	5024	5004
75°	7879	4515	4559
80°	5565	4130	4238
85°	3095	3851	4065



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	326.9	5.6
10°-20°	766.2	13.0
20°-30°	909.5	15.5
30°-40°	915.1	15.6
40°-50°	850.6	14.5
50°-60°	700.4	11.9
60°-70°	493.5	8.4
70°-80°	322.4	5.5
80°-90°	205.9	3.5
90°-100°	135.0	2.3
100°-110°	91.7	1.6
110°-120°	62.8	1.1
120°-130°	43.5	0.7
130°-140°	29.2	0.5
140°-150°	18.0	0.3
150°-160°	9.4	0.2
160°-170°	3.4	0.1
170°-180°	0.6	0.0
0°-30°	2002.6	34.0
0°-40°	2917.7	49.6
0°-60°	4468.7	75.9
0°-90°	5490.5	93.3
90°-120°	289.5	4.9
90°-150°	380.2	6.5
90°-180°	394.0	6.7
0°-180°	5884.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3691	3691	3691	3691	3691	
5°	3710	3660	3528	3460	3423	353
15°	3617	3232	2600	2273	2149	1022
25°	3380	2498	1656	1391	1332	1555
35°	2892	1690	1122	1052	1045	1799
45°	2078	1113	870	916	940	1596
55°	1193	731	672	746	771	1078
65°	561	441	463	521	540	569
75°	219	228	312	367	382	237
85°	37	105	210	271	284	47
90°	0	71	170	231	240	2
95°	0	52	142	194	204	0
105°	0	37	96	136	148	0
115°	3	31	68	99	105	3
125°	3	25	56	71	77	3
135°	3	22	43	56	59	2
145°	3	15	31	43	46	2
155°	3	12	22	31	34	1
165°	3	6	12	15	18	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°	3691.2	3691.2	3691.2	3691.2	3691.2
1°	3722.0	3706.6	3666.5	3694.3	3688.1
2°	3719.0	3703.5	3657.3	3669.6	3648.0
3°	3715.9	3694.3	3623.4	3620.3	3589.4
4°	3712.8	3678.9	3580.2	3543.2	3518.5
5°	3709.7	3660.4	3527.8	3459.9	3422.9
6°	3706.6	3638.8	3459.9	3358.2	3305.7
7°	3700.5	3604.9	3389.0	3250.2	3182.4
8°	3694.3	3574.0	3299.6	3133.1	3049.8
9°	3688.1	3533.9	3210.1	3006.6	2907.9
10°	3675.8	3493.9	3117.6	2877.1	2772.3
11°	3669.6	3447.6	3028.2	2753.8	2630.4
12°	3657.3	3398.3	2932.6	2624.2	2516.3
13°	3645.0	3345.8	2815.4	2513.2	2383.7
14°	3632.6	3290.3	2713.7	2389.9	2269.6
15°	3617.2	3231.7	2599.6	2272.7	2149.4
16°	3601.8	3163.9	2497.8	2152.4	2022.9
17°	3586.4	3099.1	2402.2	2041.4	1924.2
18°	3567.9	3034.4	2291.2	1933.5	1819.4
19°	3543.2	2960.4	2201.8	1834.8	1730.0
20°	3521.6	2892.5	2100.0	1742.3	1649.8
21°	3496.9	2809.3	1998.2	1656.0	1563.4
22.5°	3459.9	2692.1	1868.7	1548.0	1461.7
23°	3441.4	2658.2	1816.3	1507.9	1433.9
24°	3416.8	2568.7	1730.0	1446.3	1372.3
25°	3379.8	2497.8	1656.0	1390.8	1332.2
26°	3345.8	2411.5	1581.9	1341.4	1282.8
27°	3311.9	2328.2	1517.2	1289.0	1239.7
28°	3268.7	2241.9	1446.3	1245.8	1202.6
29°	3222.5	2161.7	1387.7	1208.8	1174.9
30°	3176.2	2072.3	1338.3	1174.9	1147.1
32.5°	3046.7	1874.9	1211.9	1110.1	1091.6
35°	2892.5	1689.9	1122.5	1051.5	1045.4
37.5°	2719.8	1520.3	1042.3	1005.3	1011.5
40°	2516.3	1366.1	974.5	971.4	983.7
42.5°	2300.5	1233.5	922.0	943.6	962.1
45°	2078.4	1113.2	869.6	915.9	940.5
47.5°	1847.1	1008.4	823.4	881.9	909.7
50°	1612.8	906.6	774.0	841.9	869.6
52.5°	1403.1	817.2	724.7	795.6	826.4
55°	1193.4	730.8	672.3	746.3	770.9
57.5°	1011.5	650.7	616.7	690.8	709.3
60°	841.9	573.6	561.2	629.1	650.7
62.5°	687.7	505.7	508.8	573.6	595.2
65°	561.2	441.0	462.6	521.1	539.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	456.4	379.3	416.3	478.0	493.4
70°	360.8	323.8	379.3	434.8	450.2
72.5°	286.8	274.5	342.3	400.9	413.2
75°	218.9	228.2	311.5	367.0	382.4
77.5°	157.3	191.2	280.6	339.2	351.5
80°	111.0	157.3	255.9	314.5	326.9
82.5°	70.9	129.5	231.3	293.0	305.3
85°	37.0	104.8	209.7	271.4	283.7
87.5°	15.4	86.3	188.1	249.8	262.1
90°	0.0	70.9	169.6	231.3	240.5
92.5°	0.0	61.7	154.2	212.8	222.0
95°	0.0	52.4	141.9	194.3	203.5
97.5°	0.0	49.3	126.4	178.9	188.1
100°	0.0	43.2	114.1	163.4	175.8
102.5°	0.0	40.1	104.8	148.0	160.4
105°	0.0	37.0	95.6	135.7	148.0
107.5°	0.0	33.9	89.4	126.4	135.7
110°	0.0	33.9	80.2	117.2	126.4
112.5°	3.1	30.8	74.0	104.8	114.1
115°	3.1	30.8	67.8	98.7	104.8
117.5°	3.1	30.8	64.8	89.4	95.6
120°	3.1	27.8	61.7	83.3	89.4
122.5°	3.1	27.8	58.6	77.1	80.2
125°	3.1	24.7	55.5	70.9	77.1
127.5°	3.1	24.7	52.4	67.8	70.9
130°	3.1	24.7	49.3	61.7	67.8
132.5°	3.1	21.6	46.3	58.6	61.7
135°	3.1	21.6	43.2	55.5	58.6
137.5°	3.1	18.5	40.1	52.4	55.5
140°	3.1	18.5	37.0	49.3	52.4
142.5°	3.1	15.4	33.9	46.3	49.3
145°	3.1	15.4	30.8	43.2	46.3
147.5°	3.1	15.4	27.8	40.1	43.2
150°	3.1	12.3	24.7	37.0	40.1
152.5°	3.1	12.3	21.6	33.9	37.0
155°	3.1	12.3	21.6	30.8	33.9
157.5°	3.1	9.3	18.5	24.7	30.8
160°	3.1	9.3	15.4	21.6	27.8
162.5°	3.1	9.3	15.4	18.5	21.6
165°	3.1	6.2	12.3	15.4	18.5
167.5°	3.1	6.2	9.3	12.3	15.4
170°	3.1	6.2	9.3	9.3	12.3
172.5°	3.1	6.2	6.2	6.2	6.2
175°	6.2	6.2	6.2	6.2	3.1
177.5°	6.2	6.2	6.2	3.1	3.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	3.1	3.1	3.1	3.1	3.1

(END OF REPORT)