

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: P566727

Luminaire Tested: **4SNX-67SL-LN-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566727  
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-67SL-LN-UNV-L835-CD  
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

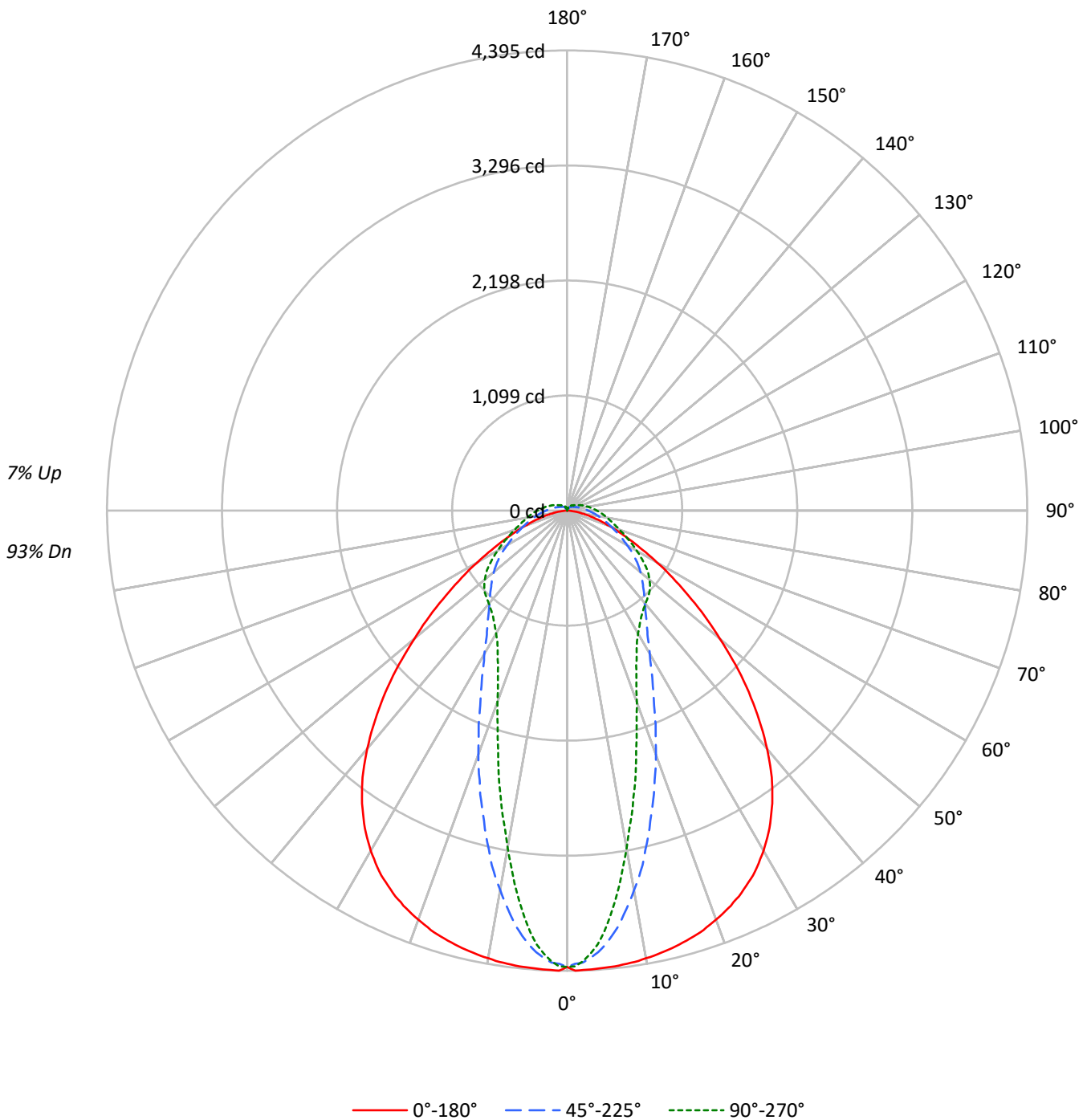
Lumens per Lamp: N/A  
Luminaire Lumens: 6948.0 lumens  
Efficiency: N/A  
Efficacy: 145.1 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 47.9  
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

TEST NUMBER: P566727

CATALOG NUMBER: 4SNX-67SL-LN-UNV-L835-CD

### 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	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°	46917	46917	46917
5°	47160	43121	41266
10°	47096	36972	32017
15°	47072	30160	23996
20°	46922	24025	17958
25°	46495	18826	14252
30°	45521	15236	12157
35°	43610	12894	11058
40°	40340	11384	10467
45°	35866	10415	10144
50°	30382	9584	9583
55°	24960	8684	8751
60°	19960	7639	7676
65°	15494	6707	6680
70°	12030	5932	5908
75°	9304	5331	5383
80°	6573	4877	5005
85°	3656	4547	4800



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	386.0	5.6
10°-20°	904.8	13.0
20°-30°	1074.0	15.5
30°-40°	1080.5	15.6
40°-50°	1004.4	14.5
50°-60°	827.1	11.9
60°-70°	582.8	8.4
70°-80°	380.7	5.5
80°-90°	243.1	3.5
90°-100°	159.4	2.3
100°-110°	108.2	1.6
110°-120°	74.2	1.1
120°-130°	51.3	0.7
130°-140°	34.5	0.5
140°-150°	21.3	0.3
150°-160°	11.0	0.2
160°-170°	4.0	0.1
170°-180°	0.7	0.0
0°-30°	2364.7	34.0
0°-40°	3445.3	49.6
0°-60°	5276.7	75.9
0°-90°	6483.3	93.3
90°-120°	341.8	4.9
90°-150°	448.9	6.5
90°-180°	465.0	6.7
0°-180°	6948.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4359	4359	4359	4359	4359	
5°	4380	4322	4166	4086	4042	417
15°	4271	3816	3070	2684	2538	1206
25°	3991	2950	1955	1642	1573	1837
35°	3416	1996	1325	1242	1234	2124
45°	2454	1314	1027	1082	1111	1884
55°	1409	863	794	881	910	1273
65°	663	521	546	615	637	672
75°	258	270	368	433	452	280
85°	44	124	248	320	335	55
90°	0	84	200	273	284	2
95°	0	62	168	229	240	0
105°	0	44	113	160	175	0
115°	4	36	80	116	124	3
125°	4	29	66	84	91	3
135°	4	26	51	66	69	3
145°	4	18	36	51	55	2
155°	4	15	26	36	40	2
165°	4	7	15	18	22	1
175°	7	7	7	7	4	0
180°	4	4	4	4	4	



TEST NUMBER: P566727

CATALOG NUMBER: 4SNX-67SL-LN-UNV-L835-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4358.7	4358.7	4358.7	4358.7	4358.7
1°	4395.1	4376.9	4329.6	4362.3	4355.0
2°	4391.5	4373.3	4318.6	4333.2	4307.7
3°	4387.8	4362.3	4278.6	4274.9	4238.5
4°	4384.2	4344.1	4227.6	4183.9	4154.8
5°	4380.5	4322.3	4165.7	4085.6	4041.9
6°	4376.9	4296.8	4085.6	3965.4	3903.5
7°	4369.6	4256.7	4001.8	3838.0	3757.9
8°	4362.3	4220.3	3896.2	3699.6	3601.3
9°	4355.0	4173.0	3790.6	3550.3	3433.8
10°	4340.5	4125.6	3681.4	3397.4	3273.6
11°	4333.2	4071.0	3575.8	3251.7	3106.1
12°	4318.6	4012.8	3462.9	3098.8	2971.3
13°	4304.1	3950.9	3324.5	2967.7	2814.8
14°	4289.5	3885.3	3204.4	2822.0	2680.0
15°	4271.3	3816.1	3069.7	2683.7	2538.0
16°	4253.1	3736.0	2949.5	2541.7	2388.7
17°	4234.9	3659.6	2836.6	2410.6	2272.2
18°	4213.0	3583.1	2705.5	2283.1	2148.4
19°	4183.9	3495.7	2599.9	2166.6	2042.8
20°	4158.4	3415.6	2479.8	2057.4	1948.1
21°	4129.3	3317.3	2359.6	1955.4	1846.2
22.5°	4085.6	3178.9	2206.7	1828.0	1726.0
23°	4063.7	3138.8	2144.8	1780.6	1693.2
24°	4034.6	3033.2	2042.8	1707.8	1620.4
25°	3990.9	2949.5	1955.4	1642.2	1573.1
26°	3950.9	2847.5	1868.0	1584.0	1514.8
27°	3910.8	2749.2	1791.5	1522.1	1463.8
28°	3859.8	2647.3	1707.8	1471.1	1420.1
29°	3805.2	2552.6	1638.6	1427.4	1387.4
30°	3750.6	2447.0	1580.3	1387.4	1354.6
32.5°	3597.6	2213.9	1431.0	1310.9	1289.0
35°	3415.6	1995.5	1325.4	1241.7	1234.4
37.5°	3211.7	1795.2	1230.8	1187.1	1194.4
40°	2971.3	1613.1	1150.7	1147.0	1161.6
42.5°	2716.4	1456.5	1088.8	1114.3	1136.1
45°	2454.3	1314.5	1026.9	1081.5	1110.6
47.5°	2181.2	1190.7	972.2	1041.4	1074.2
50°	1904.4	1070.6	914.0	994.1	1026.9
52.5°	1656.8	965.0	855.7	939.5	975.9
55°	1409.2	863.0	793.8	881.2	910.3
57.5°	1194.4	768.3	728.3	815.7	837.5
60°	994.1	677.3	662.7	742.8	768.3
62.5°	812.0	597.2	600.8	677.3	702.8
65°	662.7	520.7	546.2	615.4	637.2



TEST NUMBER: P566727

CATALOG NUMBER: 4SNX-67SL-LN-UNV-L835-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	538.9	447.9	491.6	564.4	582.6
70°	426.0	382.3	447.9	513.4	531.6
72.5°	338.6	324.1	404.2	473.4	487.9
75°	258.5	269.5	367.8	433.3	451.5
77.5°	185.7	225.8	331.4	400.5	415.1
80°	131.1	185.7	302.2	371.4	386.0
82.5°	83.8	152.9	273.1	345.9	360.5
85°	43.7	123.8	247.6	320.4	335.0
87.5°	18.2	102.0	222.1	294.9	309.5
90°	0.0	83.8	200.3	273.1	284.0
92.5°	0.0	72.8	182.1	251.3	262.2
95°	0.0	61.9	167.5	229.4	240.3
97.5°	0.0	58.3	149.3	211.2	222.1
100°	0.0	51.0	134.7	193.0	207.6
102.5°	0.0	47.3	123.8	174.8	189.3
105°	0.0	43.7	112.9	160.2	174.8
107.5°	0.0	40.1	105.6	149.3	160.2
110°	0.0	40.1	94.7	138.4	149.3
112.5°	3.6	36.4	87.4	123.8	134.7
115°	3.6	36.4	80.1	116.5	123.8
117.5°	3.6	36.4	76.5	105.6	112.9
120°	3.6	32.8	72.8	98.3	105.6
122.5°	3.6	32.8	69.2	91.0	94.7
125°	3.6	29.1	65.5	83.8	91.0
127.5°	3.6	29.1	61.9	80.1	83.8
130°	3.6	29.1	58.3	72.8	80.1
132.5°	3.6	25.5	54.6	69.2	72.8
135°	3.6	25.5	51.0	65.5	69.2
137.5°	3.6	21.8	47.3	61.9	65.5
140°	3.6	21.8	43.7	58.3	61.9
142.5°	3.6	18.2	40.1	54.6	58.3
145°	3.6	18.2	36.4	51.0	54.6
147.5°	3.6	18.2	32.8	47.3	51.0
150°	3.6	14.6	29.1	43.7	47.3
152.5°	3.6	14.6	25.5	40.1	43.7
155°	3.6	14.6	25.5	36.4	40.1
157.5°	3.6	10.9	21.8	29.1	36.4
160°	3.6	10.9	18.2	25.5	32.8
162.5°	3.6	10.9	18.2	21.8	25.5
165°	3.6	7.3	14.6	18.2	21.8
167.5°	3.6	7.3	10.9	14.6	18.2
170°	3.6	7.3	10.9	10.9	14.6
172.5°	3.6	7.3	7.3	7.3	7.3
175°	7.3	7.3	7.3	7.3	3.6
177.5°	7.3	7.3	7.3	3.6	3.6



TEST NUMBER: P566727

CATALOG NUMBER: 4SNX-67SL-LN-UNV-L835-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)