

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: P566719

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566719  
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-67SL-LC-UNV-L835-CD  
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND LC LENS  
Light Source: -  
Ballast/Driver: -

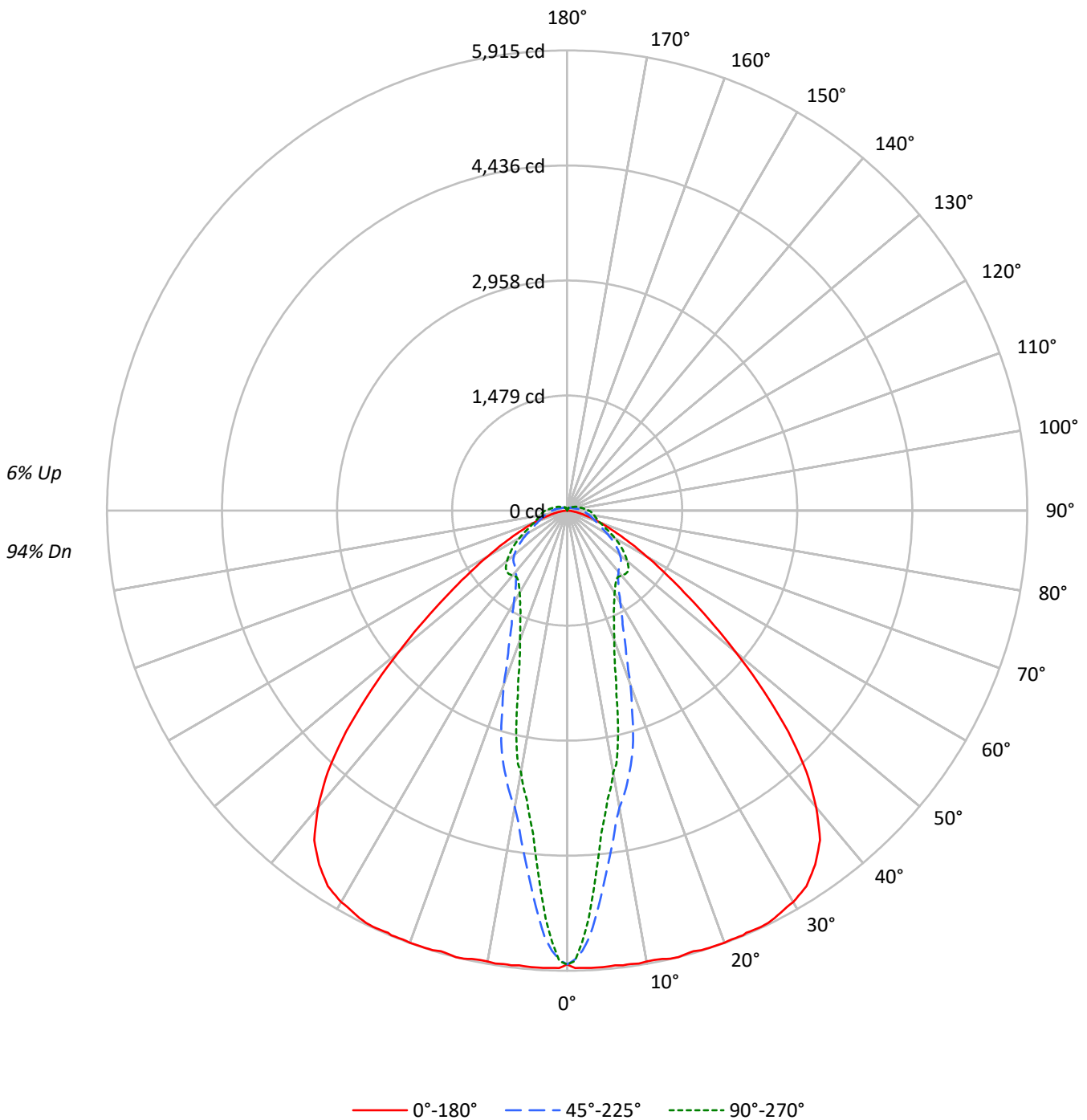
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7191.0 lumens  
Efficiency: N/A  
Efficacy: 150.1 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): 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: P566719

CATALOG NUMBER: 4SNX-67SL-LC-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	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°	62793	62793	62793
5°	63360	51575	46165
10°	63857	38935	33411
15°	65021	31826	23136
20°	66698	23029	16340
25°	68780	16498	12854
30°	70536	13181	10947
35°	70955	11150	9805
40°	67644	10136	9829
45°	58701	9792	10098
50°	45035	9313	9422
55°	32637	8144	8361
60°	23679	6797	7070
65°	17231	5747	5795
70°	12696	5077	4997
75°	9020	4701	4657
80°	5911	4401	4587
85°	2777	4196	4593



TEST NUMBER: P566719

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	458.8	6.4
10°-20°	996.2	13.9
20°-30°	1140.4	15.9
30°-40°	1142.4	15.9
40°-50°	1081.4	15.0
50°-60°	829.4	11.5
60°-70°	534.6	7.4
70°-80°	340.9	4.7
80°-90°	226.4	3.1
90°-100°	152.2	2.1
100°-110°	100.3	1.4
110°-120°	69.8	1.0
120°-130°	48.7	0.7
130°-140°	33.8	0.5
140°-150°	20.7	0.3
150°-160°	10.5	0.1
160°-170°	4.0	0.1
170°-180°	0.8	0.0
0°-30°	2595.4	36.1
0°-40°	3737.8	52.0
0°-60°	5648.6	78.6
0°-90°	6750.4	93.9
90°-120°	322.2	4.5
90°-150°	425.3	5.9
90°-180°	441.0	6.1
0°-180°	7191.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	5834	5834	5834	5834	5834	
5°	5885	5561	4982	4647	4522	562
15°	5900	4249	3239	2661	2447	1673
25°	5904	3007	1714	1489	1419	2722
35°	5557	1673	1146	1109	1094	3448
45°	4017	1058	966	1069	1106	3054
55°	1843	756	744	836	870	1694
65°	737	475	468	534	553	758
75°	251	258	324	372	391	275
85°	33	118	228	298	321	46
90°	0	81	192	265	276	2
95°	0	59	158	217	228	0
105°	0	44	103	147	158	2
115°	4	37	77	107	114	4
125°	4	33	66	77	81	3
135°	4	26	52	63	66	3
145°	4	18	37	48	52	2
155°	4	11	22	33	37	2
165°	7	7	15	18	22	2
175°	7	7	7	7	4	1
180°	7	7	7	7	7	



TEST NUMBER: P566719

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

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	5833.7	5833.7	5833.7	5833.7	5833.7
1°	5881.6	5848.4	5771.0	5793.2	5789.5
2°	5881.6	5811.6	5660.5	5616.3	5549.9
3°	5885.3	5748.9	5491.0	5347.2	5255.1
4°	5885.3	5656.8	5240.4	5000.8	4882.9
5°	5885.3	5561.0	4982.4	4647.1	4521.8
6°	5877.9	5446.7	4720.8	4367.0	4179.0
7°	5889.0	5321.4	4484.9	4105.3	3957.9
8°	5885.3	5174.0	4267.5	3906.3	3744.2
9°	5896.3	5030.3	4031.6	3718.4	3596.8
10°	5885.3	4897.6	3876.8	3541.5	3416.2
11°	5885.3	4768.7	3766.3	3427.2	3320.4
12°	5892.7	4621.3	3644.7	3265.1	3117.7
13°	5911.1	4470.2	3504.6	3088.2	2915.0
14°	5914.8	4355.9	3375.7	2863.4	2682.8
15°	5900.0	4249.0	3239.3	2660.7	2447.0
16°	5892.7	4138.5	3077.2	2469.1	2277.5
17°	5907.4	4009.5	2892.9	2273.8	2096.9
18°	5911.1	3891.6	2697.6	2126.4	1971.6
19°	5911.1	3799.5	2539.1	1990.0	1857.3
20°	5911.1	3711.0	2377.0	1886.8	1772.6
21°	5903.7	3600.5	2192.7	1780.0	1684.1
22.5°	5907.4	3394.1	1982.6	1654.7	1577.3
23°	5896.3	3342.5	1931.1	1621.5	1540.4
24°	5900.0	3195.1	1820.5	1555.2	1477.8
25°	5903.7	3007.1	1713.6	1488.8	1418.8
26°	5896.3	2856.0	1625.2	1426.2	1378.3
27°	5877.9	2734.4	1562.5	1374.6	1330.4
28°	5852.1	2572.3	1496.2	1330.4	1289.8
29°	5826.3	2388.0	1429.9	1282.5	1253.0
30°	5811.6	2240.6	1367.2	1245.6	1219.8
32.5°	5723.1	1949.5	1238.2	1171.9	1149.8
35°	5557.3	1673.1	1146.1	1109.2	1094.5
37.5°	5339.9	1459.3	1076.1	1068.7	1072.4
40°	4982.4	1289.8	1024.5	1057.7	1090.8
42.5°	4554.9	1157.2	987.6	1068.7	1105.6
45°	4016.9	1057.7	965.5	1068.7	1105.6
47.5°	3419.9	976.6	939.7	1031.9	1068.7
50°	2822.9	902.9	888.1	976.6	1009.7
52.5°	2295.9	832.9	821.8	906.6	939.7
55°	1842.6	755.5	744.4	836.5	869.7
57.5°	1477.8	681.8	670.7	755.5	788.6
60°	1179.3	608.1	589.6	674.4	707.6
62.5°	939.7	538.0	527.0	600.7	630.2
65°	737.0	475.4	468.0	534.4	552.8



TEST NUMBER: P566719

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

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	582.3	416.4	420.1	475.4	497.5
70°	449.6	361.2	383.3	434.9	449.6
72.5°	339.0	305.9	353.8	398.0	416.4
75°	250.6	258.0	324.3	372.2	390.6
77.5°	173.2	213.7	298.5	350.1	368.5
80°	117.9	173.2	272.7	331.7	353.8
82.5°	70.0	143.7	250.6	313.2	339.0
85°	33.2	117.9	228.5	298.5	320.6
87.5°	11.1	95.8	206.4	283.8	302.2
90°	0.0	81.1	191.6	265.3	276.4
92.5°	0.0	70.0	173.2	243.2	250.6
95°	0.0	59.0	158.5	217.4	228.5
97.5°	0.0	55.3	147.4	195.3	210.1
100°	0.0	51.6	132.7	176.9	191.6
102.5°	0.0	44.2	117.9	158.5	173.2
105°	0.0	44.2	103.2	147.4	158.5
107.5°	3.7	40.5	95.8	132.7	147.4
110°	3.7	40.5	84.8	125.3	136.4
112.5°	3.7	40.5	81.1	114.2	129.0
115°	3.7	36.9	77.4	106.9	114.2
117.5°	3.7	36.9	73.7	95.8	103.2
120°	3.7	33.2	70.0	88.4	92.1
122.5°	3.7	33.2	66.3	81.1	84.8
125°	3.7	33.2	66.3	77.4	81.1
127.5°	3.7	29.5	62.6	73.7	73.7
130°	3.7	29.5	59.0	70.0	70.0
132.5°	3.7	25.8	55.3	66.3	70.0
135°	3.7	25.8	51.6	62.6	66.3
137.5°	3.7	22.1	47.9	59.0	62.6
140°	3.7	22.1	44.2	55.3	59.0
142.5°	3.7	18.4	40.5	51.6	55.3
145°	3.7	18.4	36.9	47.9	51.6
147.5°	3.7	18.4	33.2	44.2	47.9
150°	3.7	14.7	29.5	40.5	44.2
152.5°	3.7	14.7	25.8	36.9	40.5
155°	3.7	11.1	22.1	33.2	36.9
157.5°	3.7	11.1	22.1	29.5	33.2
160°	7.4	11.1	18.4	25.8	29.5
162.5°	3.7	7.4	18.4	22.1	25.8
165°	7.4	7.4	14.7	18.4	22.1
167.5°	7.4	7.4	11.1	14.7	18.4
170°	7.4	7.4	11.1	11.1	14.7
172.5°	7.4	7.4	7.4	11.1	7.4
175°	7.4	7.4	7.4	7.4	3.7
177.5°	7.4	7.4	7.4	7.4	3.7



TEST NUMBER: P566719

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

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	7.4	7.4	7.4	7.4	7.4

(END OF REPORT)