

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: P566729

Luminaire Tested: **4SNX-67SL-LN-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566729  
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-L850-CD  
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

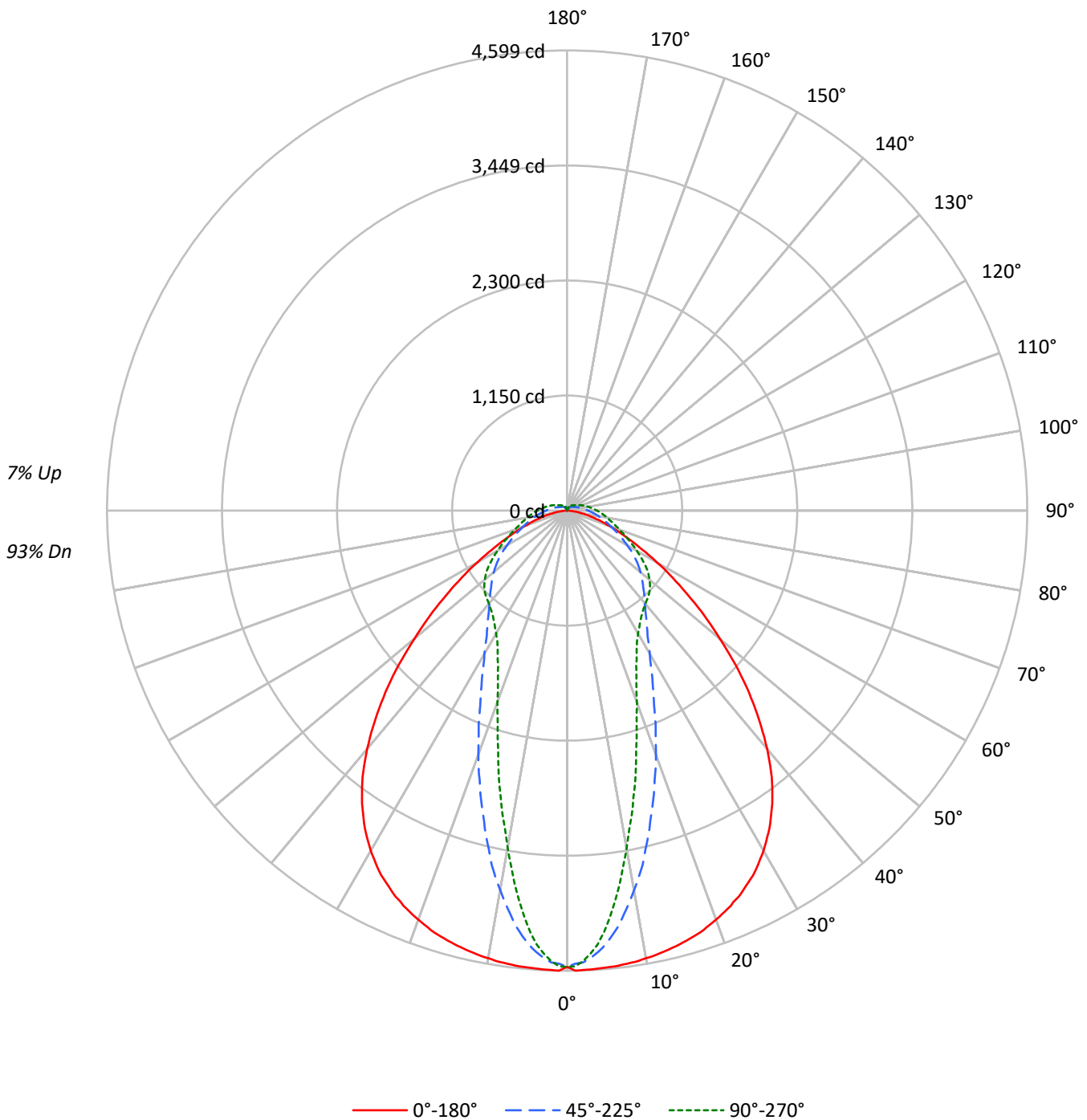
Lumens per Lamp: N/A  
Luminaire Lumens: 7270.0 lumens  
Efficiency: N/A  
Efficacy: 151.8 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')  
CIE Type: Direct

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

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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°	49091	49091	49091
5°	49345	45120	43178
10°	49277	38686	33500
15°	49253	31557	25108
20°	49096	25139	18790
25°	48650	19699	14913
30°	47631	15942	12721
35°	45631	13492	11571
40°	42210	11912	10952
45°	37528	10897	10614
50°	31790	10028	10026
55°	26117	9087	9157
60°	20886	7993	8032
65°	16212	7018	6990
70°	12589	6207	6183
75°	9736	5577	5634
80°	6879	5103	5237
85°	3823	4758	5022



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	403.9	5.6
10°-20°	946.7	13.0
20°-30°	1123.7	15.5
30°-40°	1130.6	15.6
40°-50°	1050.9	14.5
50°-60°	865.4	11.9
60°-70°	609.8	8.4
70°-80°	398.4	5.5
80°-90°	254.3	3.5
90°-100°	166.8	2.3
100°-110°	113.2	1.6
110°-120°	77.6	1.1
120°-130°	53.7	0.7
130°-140°	36.1	0.5
140°-150°	22.3	0.3
150°-160°	11.6	0.2
160°-170°	4.2	0.1
170°-180°	0.7	0.0
0°-30°	2474.3	34.0
0°-40°	3604.9	49.6
0°-60°	5521.2	75.9
0°-90°	6783.8	93.3
90°-120°	357.7	4.9
90°-150°	469.8	6.5
90°-180°	486.0	6.7
0°-180°	7270.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4561	4561	4561	4561	4561	
5°	4584	4523	4359	4275	4229	436
15°	4469	3993	3212	2808	2656	1262
25°	4176	3086	2046	1718	1646	1922
35°	3574	2088	1387	1299	1292	2223
45°	2568	1375	1074	1132	1162	1971
55°	1474	903	831	922	952	1332
65°	693	545	572	644	667	704
75°	270	282	385	453	472	293
85°	46	130	259	335	350	57
90°	0	88	210	286	297	3
95°	0	65	175	240	252	0
105°	0	46	118	168	183	0
115°	4	38	84	122	130	3
125°	4	30	69	88	95	3
135°	4	27	53	69	72	3
145°	4	19	38	53	57	2
155°	4	15	27	38	42	2
165°	4	8	15	19	23	1
175°	8	8	8	8	4	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4560.7	4560.7	4560.7	4560.7	4560.7
1°	4598.8	4579.7	4530.2	4564.5	4556.9
2°	4595.0	4575.9	4518.8	4534.0	4507.3
3°	4591.2	4564.5	4476.9	4473.1	4435.0
4°	4587.4	4545.4	4423.5	4377.8	4347.3
5°	4583.5	4522.6	4358.8	4274.9	4229.2
6°	4579.7	4495.9	4274.9	4149.2	4084.4
7°	4572.1	4454.0	4187.3	4015.8	3932.0
8°	4564.5	4415.9	4076.8	3871.1	3768.2
9°	4556.9	4366.4	3966.3	3714.8	3592.9
10°	4541.6	4316.8	3852.0	3554.8	3425.3
11°	4534.0	4259.7	3741.5	3402.4	3250.0
12°	4518.8	4198.7	3623.4	3242.4	3109.0
13°	4503.5	4134.0	3478.6	3105.2	2945.2
14°	4488.3	4065.4	3352.9	2952.8	2804.2
15°	4469.2	3993.0	3211.9	2808.0	2655.6
16°	4450.2	3909.2	3086.2	2659.4	2499.4
17°	4431.1	3829.1	2968.1	2522.3	2377.5
18°	4408.3	3749.1	2830.9	2388.9	2248.0
19°	4377.8	3657.7	2720.4	2267.0	2137.5
20°	4351.1	3573.9	2594.7	2152.7	2038.4
21°	4320.7	3471.0	2468.9	2046.0	1931.7
22.5°	4274.9	3326.2	2308.9	1912.7	1806.0
23°	4252.1	3284.3	2244.1	1863.1	1771.7
24°	4221.6	3173.8	2137.5	1786.9	1695.5
25°	4175.9	3086.2	2046.0	1718.4	1646.0
26°	4134.0	2979.5	1954.6	1657.4	1585.0
27°	4092.0	2876.6	1874.6	1592.6	1531.7
28°	4038.7	2769.9	1786.9	1539.3	1485.9
29°	3981.6	2670.9	1714.5	1493.6	1451.6
30°	3924.4	2560.4	1653.6	1451.6	1417.4
32.5°	3764.4	2316.5	1497.4	1371.6	1348.8
35°	3573.9	2087.9	1386.9	1299.2	1291.6
37.5°	3360.5	1878.4	1287.8	1242.1	1249.7
40°	3109.0	1687.9	1204.0	1200.2	1215.4
42.5°	2842.3	1524.0	1139.2	1165.9	1188.8
45°	2568.0	1375.4	1074.4	1131.6	1162.1
47.5°	2282.2	1245.9	1017.3	1089.7	1124.0
50°	1992.7	1120.2	956.3	1040.2	1074.4
52.5°	1733.6	1009.7	895.4	983.0	1021.1
55°	1474.5	903.0	830.6	922.0	952.5
57.5°	1249.7	803.9	762.0	853.5	876.3
60°	1040.2	708.7	693.4	777.3	803.9
62.5°	849.7	624.9	628.7	708.7	735.3
65°	693.4	544.8	571.5	643.9	666.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	563.9	468.6	514.4	590.6	609.6
70°	445.8	400.1	468.6	537.2	556.3
72.5°	354.3	339.1	422.9	495.3	510.6
75°	270.5	281.9	384.8	453.4	472.5
77.5°	194.3	236.2	346.7	419.1	434.4
80°	137.2	194.3	316.2	388.6	403.9
82.5°	87.6	160.0	285.8	362.0	377.2
85°	45.7	129.5	259.1	335.3	350.5
87.5°	19.1	106.7	232.4	308.6	323.9
90°	0.0	87.6	209.6	285.8	297.2
92.5°	0.0	76.2	190.5	262.9	274.3
95°	0.0	64.8	175.3	240.0	251.5
97.5°	0.0	61.0	156.2	221.0	232.4
100°	0.0	53.3	141.0	201.9	217.2
102.5°	0.0	49.5	129.5	182.9	198.1
105°	0.0	45.7	118.1	167.6	182.9
107.5°	0.0	41.9	110.5	156.2	167.6
110°	0.0	41.9	99.1	144.8	156.2
112.5°	3.8	38.1	91.4	129.5	141.0
115°	3.8	38.1	83.8	121.9	129.5
117.5°	3.8	38.1	80.0	110.5	118.1
120°	3.8	34.3	76.2	102.9	110.5
122.5°	3.8	34.3	72.4	95.3	99.1
125°	3.8	30.5	68.6	87.6	95.3
127.5°	3.8	30.5	64.8	83.8	87.6
130°	3.8	30.5	61.0	76.2	83.8
132.5°	3.8	26.7	57.2	72.4	76.2
135°	3.8	26.7	53.3	68.6	72.4
137.5°	3.8	22.9	49.5	64.8	68.6
140°	3.8	22.9	45.7	61.0	64.8
142.5°	3.8	19.1	41.9	57.2	61.0
145°	3.8	19.1	38.1	53.3	57.2
147.5°	3.8	19.1	34.3	49.5	53.3
150°	3.8	15.2	30.5	45.7	49.5
152.5°	3.8	15.2	26.7	41.9	45.7
155°	3.8	15.2	26.7	38.1	41.9
157.5°	3.8	11.4	22.9	30.5	38.1
160°	3.8	11.4	19.1	26.7	34.3
162.5°	3.8	11.4	19.1	22.9	26.7
165°	3.8	7.6	15.2	19.1	22.9
167.5°	3.8	7.6	11.4	15.2	19.1
170°	3.8	7.6	11.4	11.4	15.2
172.5°	3.8	7.6	7.6	7.6	7.6
175°	7.6	7.6	7.6	7.6	3.8
177.5°	7.6	7.6	7.6	3.8	3.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	3.8	3.8	3.8	3.8	3.8

(END OF REPORT)