

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: P566750

Luminaire Tested: **4SNX-67SL-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P566750  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 4SNX-67SL-UNV-L830-CD  
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND NO LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

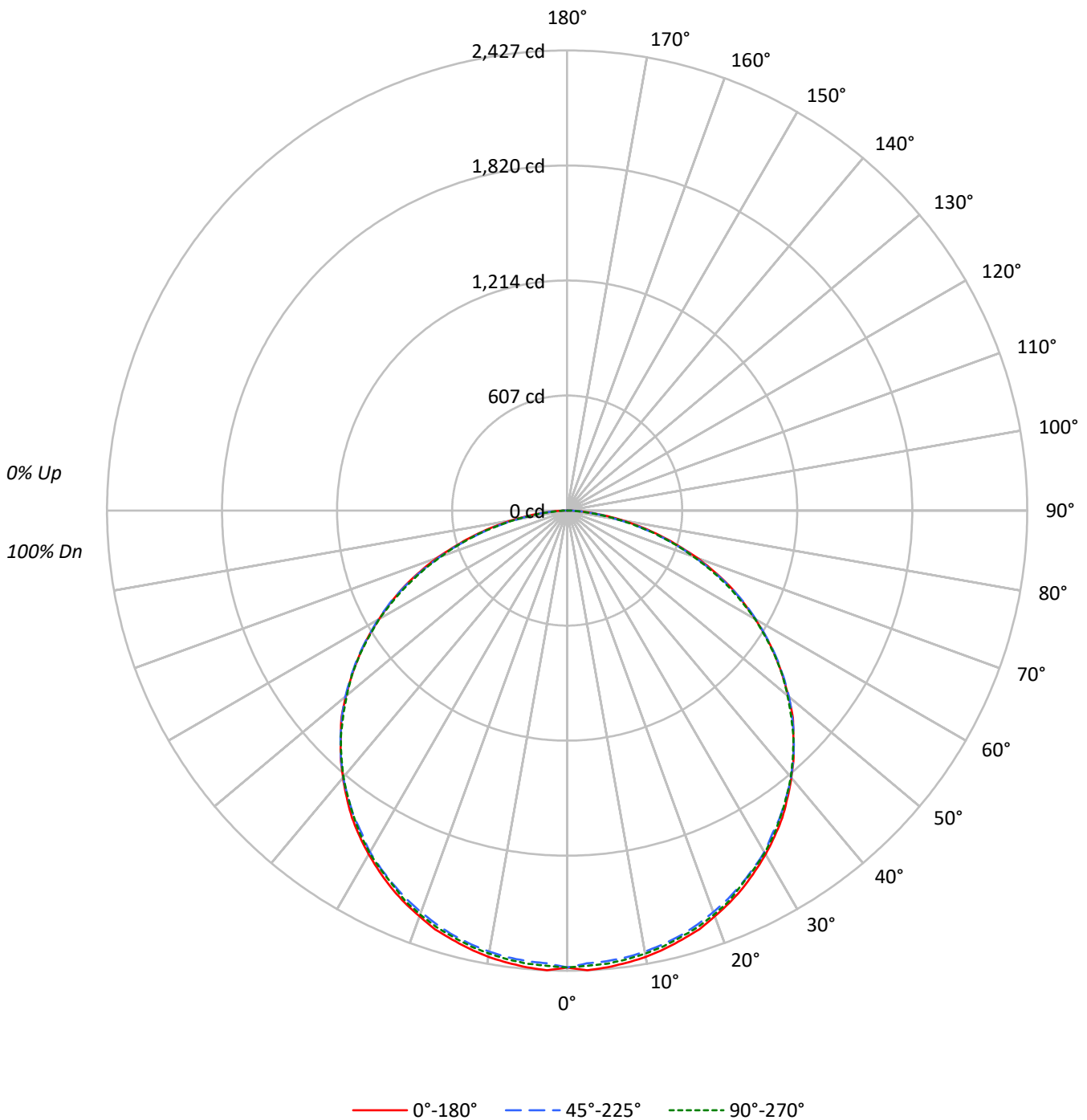
Lumens per Lamp: N/A  
Luminaire Lumens: 7205.0 lumens  
Efficiency: N/A  
Efficacy: 150.4 lumens/watt  
Spacing Criteria (0/90/45): 1.29 / 1.28 / 1.41  
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')  
CIE Type: Direct

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91		93	91	88		90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75		81	77	73		78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62		72	66	61		69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53		64	57	52		61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46		57	50	45		55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40		51	45	39		50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35		47	40	35		45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31		43	36	31		42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28		39	33	28		38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25		36	30	25		36	30	25	23

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	25938	25938	25938
5°	26131	25780	25920
10°	26125	25817	25936
15°	26104	25839	25936
20°	26088	25816	25964
25°	26072	25814	25865
30°	26018	25856	25911
35°	25998	25798	25827
40°	25852	25821	25791
45°	25697	25731	25697
50°	25510	25582	25402
55°	25173	25254	25132
60°	24677	24772	24632
65°	24173	24008	23677
70°	22984	22505	22232
75°	20998	20279	20366
80°	18131	16792	17195
85°	13647	13116	11770



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	228.6	3.2
10°-20°	658.7	9.1
20°-30°	1007.8	14.0
30°-40°	1232.3	17.1
40°-50°	1303.5	18.1
50°-60°	1201.1	16.7
60°-70°	925.5	12.8
70°-80°	518.6	7.2
80°-90°	128.9	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1895.1	26.3
0°-40°	3127.4	43.4
0°-60°	5632.1	78.2
0°-90°	7205.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7205.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2410	2410	2410	2410	2410	
5°	2418	2410	2386	2410	2399	230
15°	2342	2338	2319	2338	2327	662
25°	2195	2191	2174	2191	2178	1012
35°	1978	1974	1963	1970	1966	1236
45°	1688	1695	1690	1688	1688	1304
55°	1341	1352	1346	1346	1339	1198
65°	949	949	943	919	930	934
75°	505	498	488	470	490	535
85°	110	104	106	106	95	136
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2409.7	2409.7	2409.7	2409.7	2409.7
2.5°	2427.0	2416.2	2390.2	2414.0	2403.2
5°	2418.4	2409.7	2385.9	2409.7	2398.9
7.5°	2405.4	2398.9	2377.2	2398.9	2388.0
10°	2390.2	2383.7	2362.0	2383.7	2372.9
12.5°	2368.5	2364.2	2342.5	2364.2	2353.4
15°	2342.5	2338.2	2318.7	2338.2	2327.4
17.5°	2316.5	2307.9	2288.4	2310.0	2301.4
20°	2277.5	2273.2	2253.7	2273.2	2266.7
22.5°	2238.5	2234.2	2216.8	2234.2	2229.8
25°	2195.2	2190.8	2173.5	2190.8	2177.8
27.5°	2145.3	2147.5	2128.0	2138.8	2132.3
30°	2093.3	2093.3	2080.3	2084.7	2084.7
32.5°	2037.0	2037.0	2017.5	2030.5	2028.3
35°	1978.5	1974.1	1963.3	1969.8	1965.5
37.5°	1909.1	1907.0	1900.5	1904.8	1900.5
40°	1839.8	1842.0	1837.6	1835.5	1835.5
42.5°	1768.3	1772.6	1766.1	1763.9	1761.8
45°	1688.1	1694.6	1690.3	1688.1	1688.1
47.5°	1614.4	1616.6	1610.1	1607.9	1601.4
50°	1523.4	1532.1	1527.7	1523.4	1516.9
52.5°	1432.4	1445.4	1436.7	1432.4	1432.4
55°	1341.4	1352.2	1345.7	1345.7	1339.2
57.5°	1246.0	1256.9	1248.2	1248.2	1239.5
60°	1146.3	1157.2	1150.7	1144.2	1144.2
62.5°	1046.7	1055.3	1053.2	1042.3	1035.8
65°	949.1	949.1	942.6	918.8	929.6
67.5°	838.6	836.5	827.8	804.0	819.1
70°	730.3	730.3	715.1	686.9	706.4
72.5°	613.3	619.8	600.3	580.8	600.3
75°	504.9	498.4	487.6	470.2	489.7
77.5°	400.9	390.1	377.1	368.4	379.2
80°	292.5	286.0	270.9	270.9	277.4
82.5°	199.4	192.9	182.0	184.2	175.5
85°	110.5	104.0	106.2	106.2	95.3
87.5°	45.5	45.5	45.5	41.2	36.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)