

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: P566718

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566718
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-L830-CD
Description: 4FT 6700 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

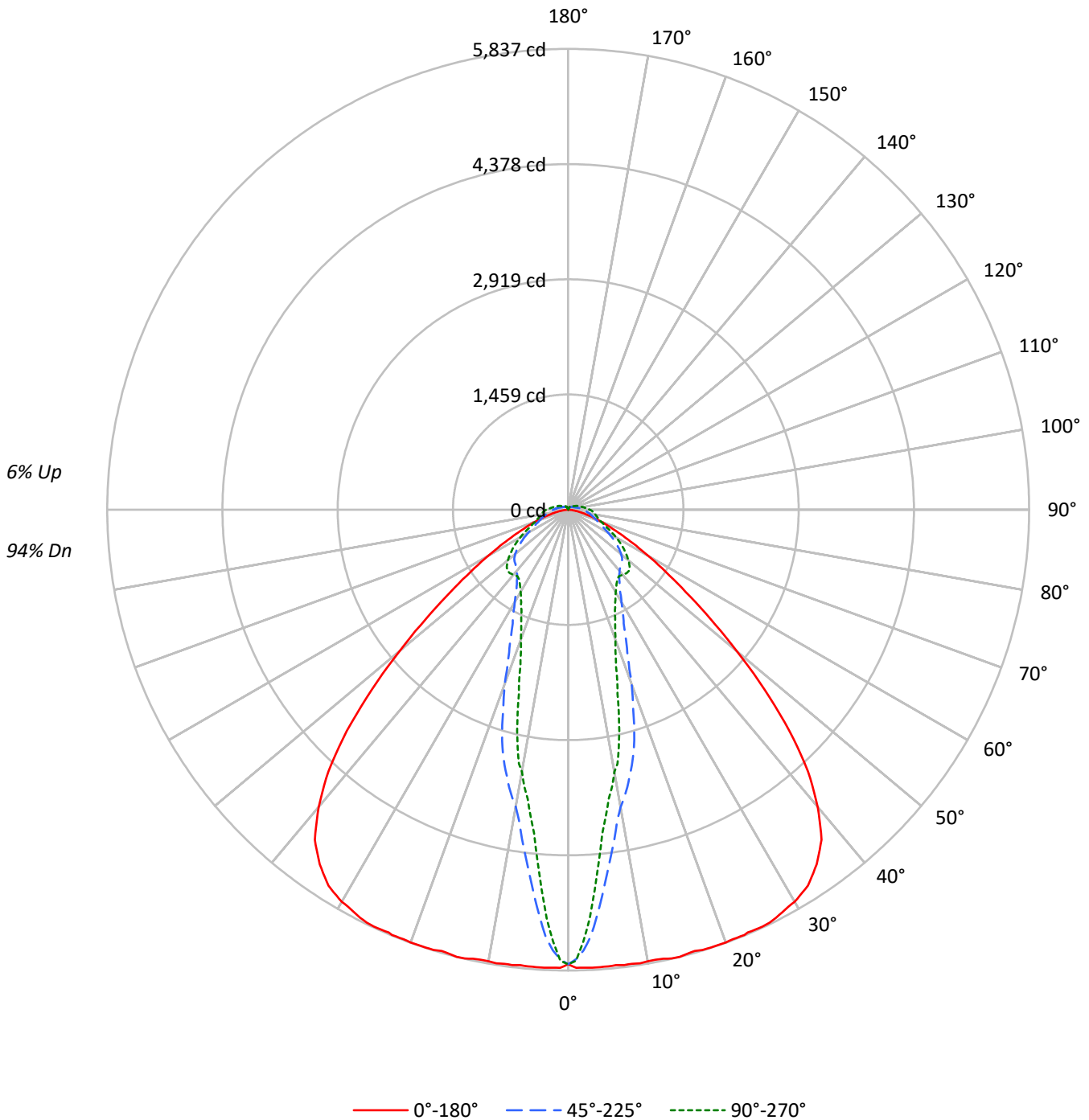
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7096.0 lumens
Efficiency: N/A
Efficacy: 148.1 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

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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	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°	61964	61964	61964
5°	62522	50894	45555
10°	63013	38420	32970
15°	64163	31406	22830
20°	65817	22725	16124
25°	67871	16281	12685
30°	69604	13008	10803
35°	70017	11003	9675
40°	66751	10002	9699
45°	57925	9664	9965
50°	44440	9190	9298
55°	32206	8037	8250
60°	23366	6707	6976
65°	17005	5671	5718
70°	12530	5009	4931
75°	8901	4638	4596
80°	5836	4343	4526
85°	2736	4141	4533



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.7	6.4
10°-20°	983.1	13.9
20°-30°	1125.3	15.9
30°-40°	1127.3	15.9
40°-50°	1067.1	15.0
50°-60°	818.4	11.5
60°-70°	527.5	7.4
70°-80°	336.4	4.7
80°-90°	223.4	3.1
90°-100°	150.2	2.1
100°-110°	98.9	1.4
110°-120°	68.8	1.0
120°-130°	48.0	0.7
130°-140°	33.3	0.5
140°-150°	20.4	0.3
150°-160°	10.3	0.1
160°-170°	4.0	0.1
170°-180°	0.8	0.0
0°-30°	2561.1	36.1
0°-40°	3688.4	52.0
0°-60°	5573.9	78.6
0°-90°	6661.2	93.9
90°-120°	317.9	4.5
90°-150°	419.7	5.9
90°-180°	435.0	6.1
0°-180°	7096.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5757	5757	5757	5757	5757	
5°	5808	5488	4917	4586	4462	554
15°	5822	4193	3196	2626	2415	1651
25°	5826	2967	1691	1469	1400	2686
35°	5484	1651	1131	1095	1080	3402
45°	3964	1044	953	1055	1091	3014
55°	1818	746	735	826	858	1672
65°	727	469	462	527	546	748
75°	247	255	320	367	386	272
85°	33	116	226	295	316	45
90°	0	80	189	262	273	1
95°	0	58	156	215	226	0
105°	0	44	102	146	156	2
115°	4	36	76	106	113	4
125°	4	33	66	76	80	3
135°	4	26	51	62	66	3
145°	4	18	36	47	51	2
155°	4	11	22	33	36	2
165°	7	7	14	18	22	2
175°	7	7	7	7	4	1
180°	7	7	7	7	7	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5756.6	5756.6	5756.6	5756.6	5756.6
1°	5803.9	5771.2	5694.8	5716.6	5713.0
2°	5803.9	5734.8	5585.7	5542.1	5476.6
3°	5807.5	5673.0	5418.4	5276.6	5185.7
4°	5807.5	5582.1	5171.1	4934.8	4818.4
5°	5807.5	5487.5	4916.6	4585.7	4462.0
6°	5800.3	5374.8	4658.4	4309.3	4123.8
7°	5811.2	5251.1	4425.7	4051.1	3905.6
8°	5807.5	5105.7	4211.1	3854.7	3694.7
9°	5818.4	4963.9	3978.4	3669.3	3549.2
10°	5807.5	4832.9	3825.6	3494.7	3371.1
11°	5807.5	4705.7	3716.5	3382.0	3276.5
12°	5814.8	4560.2	3596.5	3222.0	3076.5
13°	5833.0	4411.1	3458.3	3047.4	2876.5
14°	5836.6	4298.4	3331.1	2825.6	2647.4
15°	5822.1	4192.9	3196.5	2625.6	2414.7
16°	5814.8	4083.8	3036.5	2436.5	2247.4
17°	5829.4	3956.5	2854.7	2243.7	2069.2
18°	5833.0	3840.2	2661.9	2098.3	1945.5
19°	5833.0	3749.3	2505.6	1963.7	1832.8
20°	5833.0	3662.0	2345.6	1861.9	1749.2
21°	5825.7	3552.9	2163.7	1756.4	1661.9
22.5°	5829.4	3349.2	1956.5	1632.8	1556.4
23°	5818.4	3298.3	1905.5	1600.1	1520.1
24°	5822.1	3152.9	1796.4	1534.6	1458.2
25°	5825.7	2967.4	1691.0	1469.2	1400.1
26°	5818.4	2818.3	1603.7	1407.3	1360.1
27°	5800.3	2698.3	1541.9	1356.4	1312.8
28°	5774.8	2538.3	1476.4	1312.8	1272.8
29°	5749.3	2356.5	1411.0	1265.5	1236.4
30°	5734.8	2211.0	1349.2	1229.1	1203.7
32.5°	5647.5	1923.7	1221.9	1156.4	1134.6
35°	5483.9	1651.0	1131.0	1094.6	1080.0
37.5°	5269.3	1440.1	1061.9	1054.6	1058.2
40°	4916.6	1272.8	1011.0	1043.7	1076.4
42.5°	4494.7	1141.9	974.6	1054.6	1091.0
45°	3963.8	1043.7	952.8	1054.6	1091.0
47.5°	3374.7	963.7	927.3	1018.2	1054.6
50°	2785.6	890.9	876.4	963.7	996.4
52.5°	2265.6	821.9	810.9	894.6	927.3
55°	1818.3	745.5	734.6	825.5	858.2
57.5°	1458.2	672.8	661.8	745.5	778.2
60°	1163.7	600.0	581.8	665.5	698.2
62.5°	927.3	530.9	520.0	592.8	621.8
65°	727.3	469.1	461.8	527.3	545.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	574.6	410.9	414.6	469.1	490.9
70°	443.7	356.4	378.2	429.1	443.7
72.5°	334.6	301.8	349.1	392.7	410.9
75°	247.3	254.6	320.0	367.3	385.5
77.5°	170.9	210.9	294.6	345.5	363.7
80°	116.4	170.9	269.1	327.3	349.1
82.5°	69.1	141.8	247.3	309.1	334.6
85°	32.7	116.4	225.5	294.6	316.4
87.5°	10.9	94.5	203.6	280.0	298.2
90°	0.0	80.0	189.1	261.8	272.7
92.5°	0.0	69.1	170.9	240.0	247.3
95°	0.0	58.2	156.4	214.6	225.5
97.5°	0.0	54.5	145.5	192.7	207.3
100°	0.0	50.9	130.9	174.6	189.1
102.5°	0.0	43.6	116.4	156.4	170.9
105°	0.0	43.6	101.8	145.5	156.4
107.5°	3.6	40.0	94.5	130.9	145.5
110°	3.6	40.0	83.6	123.6	134.6
112.5°	3.6	40.0	80.0	112.7	127.3
115°	3.6	36.4	76.4	105.5	112.7
117.5°	3.6	36.4	72.7	94.5	101.8
120°	3.6	32.7	69.1	87.3	90.9
122.5°	3.6	32.7	65.5	80.0	83.6
125°	3.6	32.7	65.5	76.4	80.0
127.5°	3.6	29.1	61.8	72.7	72.7
130°	3.6	29.1	58.2	69.1	69.1
132.5°	3.6	25.5	54.5	65.5	69.1
135°	3.6	25.5	50.9	61.8	65.5
137.5°	3.6	21.8	47.3	58.2	61.8
140°	3.6	21.8	43.6	54.5	58.2
142.5°	3.6	18.2	40.0	50.9	54.5
145°	3.6	18.2	36.4	47.3	50.9
147.5°	3.6	18.2	32.7	43.6	47.3
150°	3.6	14.5	29.1	40.0	43.6
152.5°	3.6	14.5	25.5	36.4	40.0
155°	3.6	10.9	21.8	32.7	36.4
157.5°	3.6	10.9	21.8	29.1	32.7
160°	7.3	10.9	18.2	25.5	29.1
162.5°	3.6	7.3	18.2	21.8	25.5
165°	7.3	7.3	14.5	18.2	21.8
167.5°	7.3	7.3	10.9	14.5	18.2
170°	7.3	7.3	10.9	10.9	14.5
172.5°	7.3	7.3	7.3	10.9	7.3
175°	7.3	7.3	7.3	7.3	3.6
177.5°	7.3	7.3	7.3	7.3	3.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	7.3	7.3	7.3	7.3	7.3

(END OF REPORT)