

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: P566579

Luminaire Tested: **4SNX-57SL-LC-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566579
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-57SL-LC-UNV-L935-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

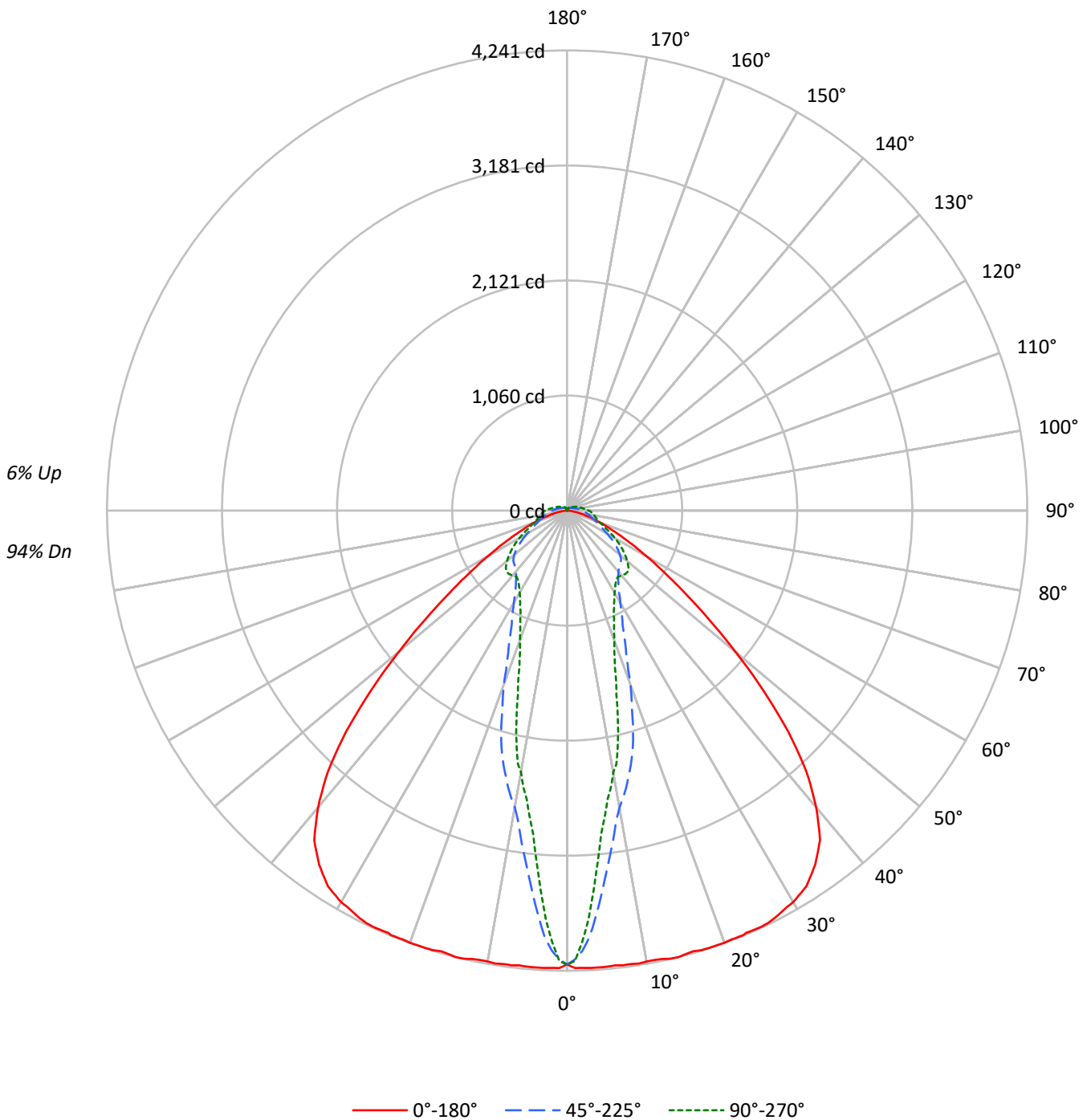
Lumens per Lamp: N/A
Luminaire Lumens: 5156.0 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 39.7
Input Voltage (V): NR
Input Current (A_{in}): 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	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°	45023	45023	45023
5°	45429	36979	33100
10°	45786	27916	23956
15°	46621	22820	16588
20°	47823	16512	11716
25°	49316	11830	9217
30°	50574	9451	7849
35°	50875	7995	7031
40°	48501	7268	7047
45°	42089	7022	7240
50°	32290	6678	6756
55°	23401	5839	5995
60°	16977	4874	5068
65°	12357	4121	4154
70°	9104	3640	3583
75°	6468	3370	3340
80°	4242	3155	3289
85°	1991	3008	3294



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.9	6.4
10°-20°	714.3	13.9
20°-30°	817.6	15.9
30°-40°	819.1	15.9
40°-50°	775.4	15.0
50°-60°	594.7	11.5
60°-70°	383.3	7.4
70°-80°	244.4	4.7
80°-90°	162.3	3.1
90°-100°	109.1	2.1
100°-110°	71.9	1.4
110°-120°	50.0	1.0
120°-130°	34.9	0.7
130°-140°	24.2	0.5
140°-150°	14.8	0.3
150°-160°	7.5	0.1
160°-170°	2.9	0.1
170°-180°	0.6	0.0
0°-30°	1860.9	36.1
0°-40°	2680.0	52.0
0°-60°	4050.1	78.6
0°-90°	4840.1	93.9
90°-120°	231.0	4.5
90°-150°	304.9	5.9
90°-180°	316.0	6.1
0°-180°	5156.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4183	4183	4183	4183	4183	
5°	4220	3987	3572	3332	3242	403
15°	4230	3047	2323	1908	1754	1200
25°	4233	2156	1229	1068	1017	1951
35°	3985	1200	822	795	785	2472
45°	2880	758	692	766	793	2190
55°	1321	542	534	600	624	1215
65°	528	341	336	383	396	544
75°	180	185	232	267	280	198
85°	24	85	164	214	230	33
90°	0	58	137	190	198	1
95°	0	42	114	156	164	0
105°	0	32	74	106	114	2
115°	3	26	56	77	82	3
125°	3	24	48	56	58	2
135°	3	18	37	45	48	2
145°	3	13	26	34	37	2
155°	3	8	16	24	26	1
165°	5	5	11	13	16	1
175°	5	5	5	5	3	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4182.8	4182.8	4182.8	4182.8	4182.8
1°	4217.1	4193.4	4137.9	4153.7	4151.1
2°	4217.1	4166.9	4058.6	4026.9	3979.3
3°	4219.8	4122.0	3937.1	3834.0	3768.0
4°	4219.8	4056.0	3757.4	3585.6	3501.1
5°	4219.8	3987.3	3572.4	3332.0	3242.1
6°	4214.5	3905.4	3384.8	3131.2	2996.4
7°	4222.4	3815.5	3215.7	2943.5	2837.9
8°	4219.8	3709.8	3059.8	2800.9	2684.6
9°	4227.7	3606.8	2890.7	2666.1	2578.9
10°	4219.8	3511.6	2779.7	2539.3	2449.4
11°	4219.8	3419.2	2700.5	2457.4	2380.7
12°	4225.1	3313.5	2613.3	2341.1	2235.4
13°	4238.3	3205.1	2512.8	2214.3	2090.1
14°	4240.9	3123.2	2420.4	2053.1	1923.6
15°	4230.4	3046.6	2322.6	1907.8	1754.5
16°	4225.1	2967.3	2206.3	1770.4	1633.0
17°	4235.6	2874.8	2074.2	1630.3	1503.5
18°	4238.3	2790.3	1934.2	1524.6	1413.6
19°	4238.3	2724.2	1820.6	1426.9	1331.7
20°	4238.3	2660.8	1704.3	1352.9	1271.0
21°	4233.0	2581.5	1572.2	1276.2	1207.5
22.5°	4235.6	2433.6	1421.6	1186.4	1130.9
23°	4227.7	2396.6	1384.6	1162.6	1104.5
24°	4230.4	2290.9	1305.3	1115.1	1059.6
25°	4233.0	2156.1	1228.7	1067.5	1017.3
26°	4227.7	2047.8	1165.3	1022.6	988.2
27°	4214.5	1960.6	1120.3	985.6	953.9
28°	4196.0	1844.3	1072.8	953.9	924.8
29°	4177.5	1712.2	1025.2	919.5	898.4
30°	4166.9	1606.5	980.3	893.1	874.6
32.5°	4103.5	1397.8	887.8	840.3	824.4
35°	3984.6	1199.6	821.8	795.3	784.8
37.5°	3828.7	1046.4	771.6	766.3	768.9
40°	3572.4	924.8	734.6	758.3	782.1
42.5°	3265.9	829.7	708.1	766.3	792.7
45°	2880.1	758.3	692.3	766.3	792.7
47.5°	2452.1	700.2	673.8	739.9	766.3
50°	2024.0	647.4	636.8	700.2	724.0
52.5°	1646.2	597.2	589.2	650.0	673.8
55°	1321.2	541.7	533.7	599.8	623.6
57.5°	1059.6	488.8	480.9	541.7	565.5
60°	845.5	436.0	422.8	483.5	507.3
62.5°	673.8	385.8	377.9	430.7	451.8
65°	528.5	340.9	335.6	383.1	396.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	417.5	298.6	301.2	340.9	356.7
70°	322.4	258.9	274.8	311.8	322.4
72.5°	243.1	219.3	253.7	285.4	298.6
75°	179.7	185.0	232.5	266.9	280.1
77.5°	124.2	153.3	214.0	251.0	264.2
80°	84.6	124.2	195.5	237.8	253.7
82.5°	50.2	103.1	179.7	224.6	243.1
85°	23.8	84.6	163.8	214.0	229.9
87.5°	7.9	68.7	148.0	203.5	216.7
90°	0.0	58.1	137.4	190.2	198.2
92.5°	0.0	50.2	124.2	174.4	179.7
95°	0.0	42.3	113.6	155.9	163.8
97.5°	0.0	39.6	105.7	140.0	150.6
100°	0.0	37.0	95.1	126.8	137.4
102.5°	0.0	31.7	84.6	113.6	124.2
105°	0.0	31.7	74.0	105.7	113.6
107.5°	2.6	29.1	68.7	95.1	105.7
110°	2.6	29.1	60.8	89.8	97.8
112.5°	2.6	29.1	58.1	81.9	92.5
115°	2.6	26.4	55.5	76.6	81.9
117.5°	2.6	26.4	52.8	68.7	74.0
120°	2.6	23.8	50.2	63.4	66.1
122.5°	2.6	23.8	47.6	58.1	60.8
125°	2.6	23.8	47.6	55.5	58.1
127.5°	2.6	21.1	44.9	52.8	52.8
130°	2.6	21.1	42.3	50.2	50.2
132.5°	2.6	18.5	39.6	47.6	50.2
135°	2.6	18.5	37.0	44.9	47.6
137.5°	2.6	15.9	34.4	42.3	44.9
140°	2.6	15.9	31.7	39.6	42.3
142.5°	2.6	13.2	29.1	37.0	39.6
145°	2.6	13.2	26.4	34.4	37.0
147.5°	2.6	13.2	23.8	31.7	34.4
150°	2.6	10.6	21.1	29.1	31.7
152.5°	2.6	10.6	18.5	26.4	29.1
155°	2.6	7.9	15.9	23.8	26.4
157.5°	2.6	7.9	15.9	21.1	23.8
160°	5.3	7.9	13.2	18.5	21.1
162.5°	2.6	5.3	13.2	15.9	18.5
165°	5.3	5.3	10.6	13.2	15.9
167.5°	5.3	5.3	7.9	10.6	13.2
170°	5.3	5.3	7.9	7.9	10.6
172.5°	5.3	5.3	5.3	7.9	5.3
175°	5.3	5.3	5.3	5.3	2.6
177.5°	5.3	5.3	5.3	5.3	2.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.3	5.3	5.3	5.3	5.3

(END OF REPORT)