

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: P566578

Luminaire Tested: **4SNX-57SL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566578
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-L930-CD
Description: 4FT 5700 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

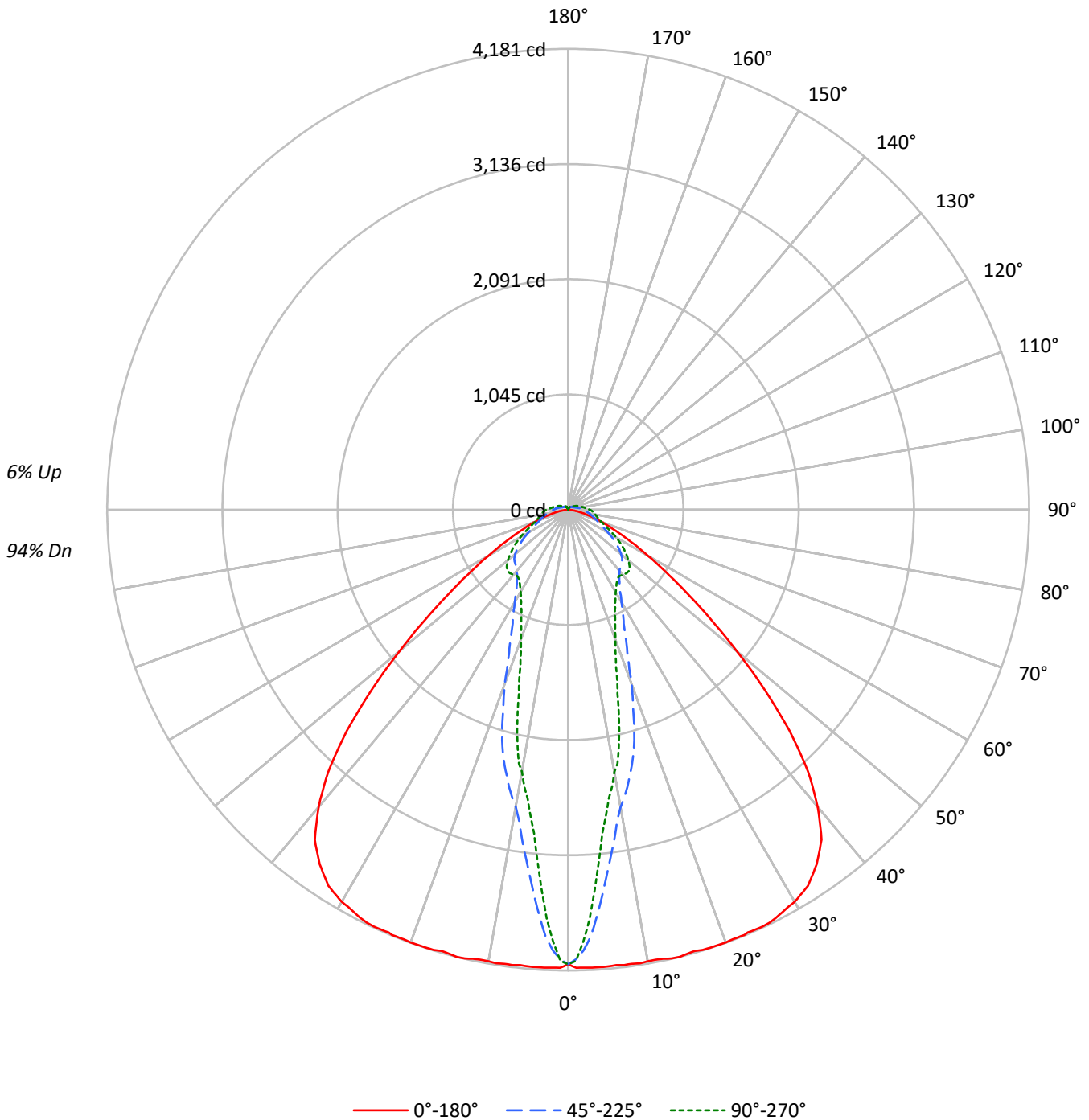
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5083.0 lumens
Efficiency: N/A
Efficacy: 128.0 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 (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	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°	44386	44386	44386
5°	44786	36456	32632
10°	45137	27522	23617
15°	45961	22496	16354
20°	47146	16279	11550
25°	48618	11662	9086
30°	49858	9317	7738
35°	50154	7881	6931
40°	47814	7165	6948
45°	41494	6922	7138
50°	31834	6583	6660
55°	23070	5757	5910
60°	16738	4805	4996
65°	12181	4062	4096
70°	8974	3588	3532
75°	6374	3322	3292
80°	4182	3112	3243
85°	1958	2966	3247



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	324.3	6.4
10°-20°	704.2	13.9
20°-30°	806.1	15.9
30°-40°	807.5	15.9
40°-50°	764.4	15.0
50°-60°	586.2	11.5
60°-70°	377.9	7.4
70°-80°	241.0	4.7
80°-90°	160.0	3.1
90°-100°	107.6	2.1
100°-110°	70.9	1.4
110°-120°	49.3	1.0
120°-130°	34.4	0.7
130°-140°	23.9	0.5
140°-150°	14.6	0.3
150°-160°	7.4	0.1
160°-170°	2.8	0.1
170°-180°	0.5	0.0
0°-30°	1834.6	36.1
0°-40°	2642.1	52.0
0°-60°	3992.7	78.6
0°-90°	4771.6	93.9
90°-120°	227.8	4.5
90°-150°	300.6	5.9
90°-180°	311.0	6.1
0°-180°	5083.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4124	4124	4124	4124	4124	
5°	4160	3931	3522	3285	3196	397
15°	4170	3004	2290	1881	1730	1183
25°	4173	2126	1211	1052	1003	1924
35°	3928	1183	810	784	774	2437
45°	2839	748	682	755	782	2159
55°	1302	534	526	591	615	1198
65°	521	336	331	378	391	536
75°	177	182	229	263	276	195
85°	23	83	162	211	227	32
90°	0	57	136	188	195	1
95°	0	42	112	154	162	0
105°	0	31	73	104	112	2
115°	3	26	55	76	81	3
125°	3	23	47	55	57	2
135°	3	18	36	44	47	2
145°	3	13	26	34	36	2
155°	3	8	16	23	26	1
165°	5	5	10	13	16	1
175°	5	5	5	5	3	0
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4123.6	4123.6	4123.6	4123.6	4123.6
1°	4157.4	4134.0	4079.3	4094.9	4092.3
2°	4157.4	4107.9	4001.1	3969.9	3923.0
3°	4160.0	4063.7	3881.3	3779.7	3714.6
4°	4160.0	3998.5	3704.2	3534.9	3451.5
5°	4160.0	3930.8	3521.8	3284.8	3196.2
6°	4154.8	3850.1	3336.9	3086.8	2954.0
7°	4162.6	3761.5	3170.2	2901.9	2797.7
8°	4160.0	3657.3	3016.5	2761.2	2646.6
9°	4167.9	3555.7	2849.8	2628.4	2542.4
10°	4160.0	3461.9	2740.4	2503.3	2414.8
11°	4160.0	3370.8	2662.2	2422.6	2347.0
12°	4165.3	3266.6	2576.3	2308.0	2203.8
13°	4178.3	3159.8	2477.3	2182.9	2060.5
14°	4180.9	3079.0	2386.1	2024.0	1896.4
15°	4170.5	3003.5	2289.7	1880.7	1729.7
16°	4165.3	2925.3	2175.1	1745.3	1609.8
17°	4175.7	2834.1	2044.9	1607.2	1482.2
18°	4178.3	2750.8	1906.8	1503.0	1393.6
19°	4178.3	2685.7	1794.8	1406.7	1312.9
20°	4178.3	2623.1	1680.2	1333.7	1253.0
21°	4173.1	2545.0	1549.9	1258.2	1190.4
22.5°	4175.7	2399.1	1401.4	1169.6	1114.9
23°	4167.9	2362.7	1365.0	1146.2	1088.9
24°	4170.5	2258.5	1286.8	1099.3	1044.6
25°	4173.1	2125.6	1211.3	1052.4	1002.9
26°	4167.9	2018.8	1148.8	1008.1	974.2
27°	4154.8	1932.8	1104.5	971.6	940.4
28°	4136.6	1818.2	1057.6	940.4	911.7
29°	4118.4	1688.0	1010.7	906.5	885.7
30°	4107.9	1583.8	966.4	880.5	862.2
32.5°	4045.4	1378.0	875.3	828.4	812.7
35°	3928.2	1182.6	810.1	784.1	773.7
37.5°	3774.5	1031.5	760.6	755.4	758.0
40°	3521.8	911.7	724.2	747.6	771.1
42.5°	3219.7	817.9	698.1	755.4	781.5
45°	2839.4	747.6	682.5	755.4	781.5
47.5°	2417.4	690.3	664.3	729.4	755.4
50°	1995.4	638.2	627.8	690.3	713.7
52.5°	1622.9	588.7	580.9	640.8	664.3
55°	1302.5	534.0	526.2	591.3	614.8
57.5°	1044.6	481.9	474.1	534.0	557.5
60°	833.6	429.8	416.8	476.7	500.1
62.5°	664.3	380.3	372.5	424.6	445.4
65°	521.0	336.0	330.8	377.7	390.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	411.6	294.4	297.0	336.0	351.7
70°	317.8	255.3	270.9	307.4	317.8
72.5°	239.7	216.2	250.1	281.3	294.4
75°	177.1	182.3	229.2	263.1	276.1
77.5°	122.4	151.1	211.0	247.5	260.5
80°	83.4	122.4	192.8	234.4	250.1
82.5°	49.5	101.6	177.1	221.4	239.7
85°	23.4	83.4	161.5	211.0	226.6
87.5°	7.8	67.7	145.9	200.6	213.6
90°	0.0	57.3	135.5	187.6	195.4
92.5°	0.0	49.5	122.4	171.9	177.1
95°	0.0	41.7	112.0	153.7	161.5
97.5°	0.0	39.1	104.2	138.1	148.5
100°	0.0	36.5	93.8	125.0	135.5
102.5°	0.0	31.3	83.4	112.0	122.4
105°	0.0	31.3	72.9	104.2	112.0
107.5°	2.6	28.7	67.7	93.8	104.2
110°	2.6	28.7	59.9	88.6	96.4
112.5°	2.6	28.7	57.3	80.8	91.2
115°	2.6	26.0	54.7	75.5	80.8
117.5°	2.6	26.0	52.1	67.7	72.9
120°	2.6	23.4	49.5	62.5	65.1
122.5°	2.6	23.4	46.9	57.3	59.9
125°	2.6	23.4	46.9	54.7	57.3
127.5°	2.6	20.8	44.3	52.1	52.1
130°	2.6	20.8	41.7	49.5	49.5
132.5°	2.6	18.2	39.1	46.9	49.5
135°	2.6	18.2	36.5	44.3	46.9
137.5°	2.6	15.6	33.9	41.7	44.3
140°	2.6	15.6	31.3	39.1	41.7
142.5°	2.6	13.0	28.7	36.5	39.1
145°	2.6	13.0	26.0	33.9	36.5
147.5°	2.6	13.0	23.4	31.3	33.9
150°	2.6	10.4	20.8	28.7	31.3
152.5°	2.6	10.4	18.2	26.0	28.7
155°	2.6	7.8	15.6	23.4	26.0
157.5°	2.6	7.8	15.6	20.8	23.4
160°	5.2	7.8	13.0	18.2	20.8
162.5°	2.6	5.2	13.0	15.6	18.2
165°	5.2	5.2	10.4	13.0	15.6
167.5°	5.2	5.2	7.8	10.4	13.0
170°	5.2	5.2	7.8	7.8	10.4
172.5°	5.2	5.2	5.2	7.8	5.2
175°	5.2	5.2	5.2	5.2	2.6
177.5°	5.2	5.2	5.2	5.2	2.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.2	5.2	5.2	5.2	5.2

(END OF REPORT)