

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: P566347

Luminaire Tested: **4SNX-37SL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566347
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-37SL-LN-UNV-L935-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

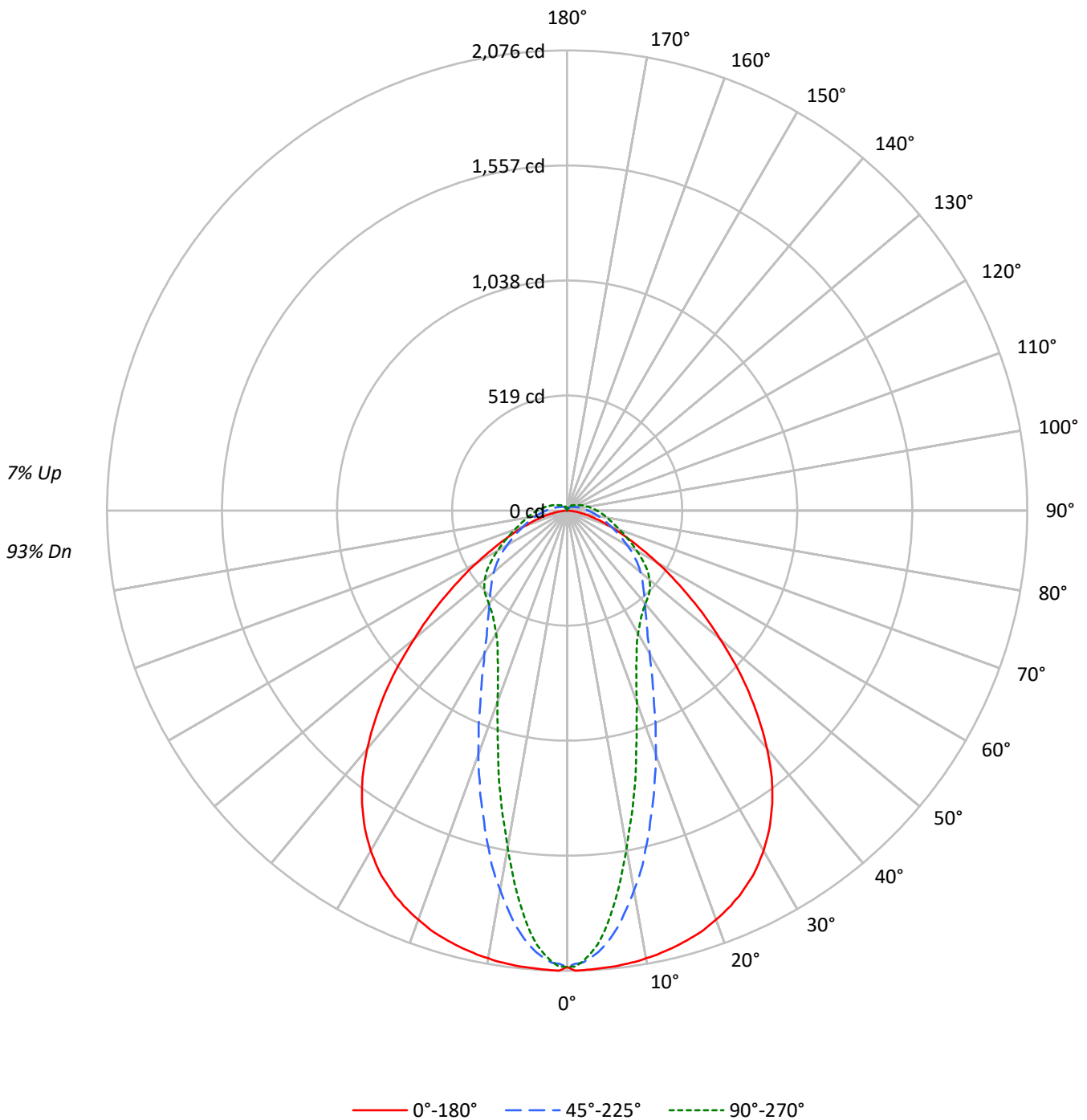
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3282.0 lumens
Efficiency: N/A
Efficacy: 136.7 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): 24
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	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°	22162	22162	22162
5°	22277	20368	19493
10°	22246	17465	15123
15°	22235	14246	11335
20°	22164	11349	8482
25°	21963	8893	6733
30°	21502	7197	5743
35°	20600	6091	5224
40°	19056	5377	4944
45°	16942	4920	4791
50°	14352	4527	4527
55°	11791	4103	4134
60°	9429	3608	3626
65°	7318	3168	3155
70°	5682	2803	2791
75°	4395	2518	2543
80°	3104	2305	2364
85°	1723	2149	2267



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	182.3	5.6
10°-20°	427.4	13.0
20°-30°	507.3	15.5
30°-40°	510.4	15.6
40°-50°	474.4	14.5
50°-60°	390.7	11.9
60°-70°	275.3	8.4
70°-80°	179.8	5.5
80°-90°	114.8	3.5
90°-100°	75.3	2.3
100°-110°	51.1	1.6
110°-120°	35.0	1.1
120°-130°	24.2	0.7
130°-140°	16.3	0.5
140°-150°	10.1	0.3
150°-160°	5.2	0.2
160°-170°	1.9	0.1
170°-180°	0.3	0.0
0°-30°	1117.0	34.0
0°-40°	1627.4	49.6
0°-60°	2492.6	75.9
0°-90°	3062.5	93.3
90°-120°	161.5	4.9
90°-150°	212.1	6.5
90°-180°	219.0	6.7
0°-180°	3282.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2059	2059	2059	2059	2059	
5°	2069	2042	1968	1930	1909	197
15°	2018	1803	1450	1268	1199	570
25°	1885	1393	924	776	743	868
35°	1613	943	626	586	583	1003
45°	1159	621	485	511	525	890
55°	666	408	375	416	430	601
65°	313	246	258	291	301	318
75°	122	127	174	205	213	132
85°	21	58	117	151	158	26
90°	0	40	95	129	134	1
95°	0	29	79	108	114	0
105°	0	21	53	76	83	0
115°	2	17	38	55	58	1
125°	2	14	31	40	43	2
135°	2	12	24	31	33	1
145°	2	9	17	24	26	1
155°	2	7	12	17	19	1
165°	2	3	7	9	10	0
175°	3	3	3	3	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2058.9	2058.9	2058.9	2058.9	2058.9
1°	2076.1	2067.5	2045.1	2060.6	2057.2
2°	2074.4	2065.8	2040.0	2046.9	2034.8
3°	2072.7	2060.6	2021.1	2019.3	2002.1
4°	2070.9	2052.0	1997.0	1976.3	1962.6
5°	2069.2	2041.7	1967.7	1929.9	1909.3
6°	2067.5	2029.7	1929.9	1873.1	1843.9
7°	2064.1	2010.7	1890.3	1812.9	1775.1
8°	2060.6	1993.5	1840.5	1747.6	1701.1
9°	2057.2	1971.2	1790.6	1677.0	1622.0
10°	2050.3	1948.8	1739.0	1604.8	1546.3
11°	2046.9	1923.0	1689.1	1536.0	1467.2
12°	2040.0	1895.5	1635.8	1463.8	1403.6
13°	2033.1	1866.3	1570.4	1401.8	1329.6
14°	2026.2	1835.3	1513.6	1333.0	1266.0
15°	2017.6	1802.6	1450.0	1267.7	1198.9
16°	2009.0	1764.8	1393.2	1200.6	1128.4
17°	2000.4	1728.6	1339.9	1138.7	1073.3
18°	1990.1	1692.5	1278.0	1078.5	1014.8
19°	1976.3	1651.2	1228.1	1023.4	964.9
20°	1964.3	1613.4	1171.4	971.8	920.2
21°	1950.5	1567.0	1114.6	923.7	872.1
22.5°	1929.9	1501.6	1042.3	863.5	815.3
23°	1919.6	1482.7	1013.1	841.1	799.8
24°	1905.8	1432.8	964.9	806.7	765.4
25°	1885.2	1393.2	923.7	775.7	743.1
26°	1866.3	1345.1	882.4	748.2	715.5
27°	1847.3	1298.6	846.3	719.0	691.5
28°	1823.3	1250.5	806.7	694.9	670.8
29°	1797.4	1205.8	774.0	674.3	655.3
30°	1771.6	1155.9	746.5	655.3	639.9
32.5°	1699.4	1045.8	676.0	619.2	608.9
35°	1613.4	942.6	626.1	586.5	583.1
37.5°	1517.1	848.0	581.4	560.7	564.2
40°	1403.6	762.0	543.5	541.8	548.7
42.5°	1283.2	688.0	514.3	526.3	536.7
45°	1159.3	620.9	485.1	510.9	524.6
47.5°	1030.3	562.5	459.3	491.9	507.4
50°	899.6	505.7	431.7	469.6	485.1
52.5°	782.6	455.8	404.2	443.8	461.0
55°	665.7	407.7	375.0	416.3	430.0
57.5°	564.2	362.9	344.0	385.3	395.6
60°	469.6	319.9	313.0	350.9	362.9
62.5°	383.6	282.1	283.8	319.9	332.0
65°	313.0	246.0	258.0	290.7	301.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	254.6	211.6	232.2	266.6	275.2
70°	201.2	180.6	211.6	242.5	251.1
72.5°	160.0	153.1	190.9	223.6	230.5
75°	122.1	127.3	173.7	204.7	213.3
77.5°	87.7	106.6	156.5	189.2	196.1
80°	61.9	87.7	142.8	175.4	182.3
82.5°	39.6	72.2	129.0	163.4	170.3
85°	20.6	58.5	117.0	151.4	158.2
87.5°	8.6	48.2	104.9	139.3	146.2
90°	0.0	39.6	94.6	129.0	134.2
92.5°	0.0	34.4	86.0	118.7	123.8
95°	0.0	29.2	79.1	108.4	113.5
97.5°	0.0	27.5	70.5	99.8	104.9
100°	0.0	24.1	63.6	91.2	98.0
102.5°	0.0	22.4	58.5	82.6	89.4
105°	0.0	20.6	53.3	75.7	82.6
107.5°	0.0	18.9	49.9	70.5	75.7
110°	0.0	18.9	44.7	65.4	70.5
112.5°	1.7	17.2	41.3	58.5	63.6
115°	1.7	17.2	37.8	55.0	58.5
117.5°	1.7	17.2	36.1	49.9	53.3
120°	1.7	15.5	34.4	46.4	49.9
122.5°	1.7	15.5	32.7	43.0	44.7
125°	1.7	13.8	31.0	39.6	43.0
127.5°	1.7	13.8	29.2	37.8	39.6
130°	1.7	13.8	27.5	34.4	37.8
132.5°	1.7	12.0	25.8	32.7	34.4
135°	1.7	12.0	24.1	31.0	32.7
137.5°	1.7	10.3	22.4	29.2	31.0
140°	1.7	10.3	20.6	27.5	29.2
142.5°	1.7	8.6	18.9	25.8	27.5
145°	1.7	8.6	17.2	24.1	25.8
147.5°	1.7	8.6	15.5	22.4	24.1
150°	1.7	6.9	13.8	20.6	22.4
152.5°	1.7	6.9	12.0	18.9	20.6
155°	1.7	6.9	12.0	17.2	18.9
157.5°	1.7	5.2	10.3	13.8	17.2
160°	1.7	5.2	8.6	12.0	15.5
162.5°	1.7	5.2	8.6	10.3	12.0
165°	1.7	3.4	6.9	8.6	10.3
167.5°	1.7	3.4	5.2	6.9	8.6
170°	1.7	3.4	5.2	5.2	6.9
172.5°	1.7	3.4	3.4	3.4	3.4
175°	3.4	3.4	3.4	3.4	1.7
177.5°	3.4	3.4	3.4	1.7	1.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.7	1.7	1.7	1.7	1.7

(END OF REPORT)