

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: P566346

Luminaire Tested: **4SNX-37SL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566346
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-L930-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

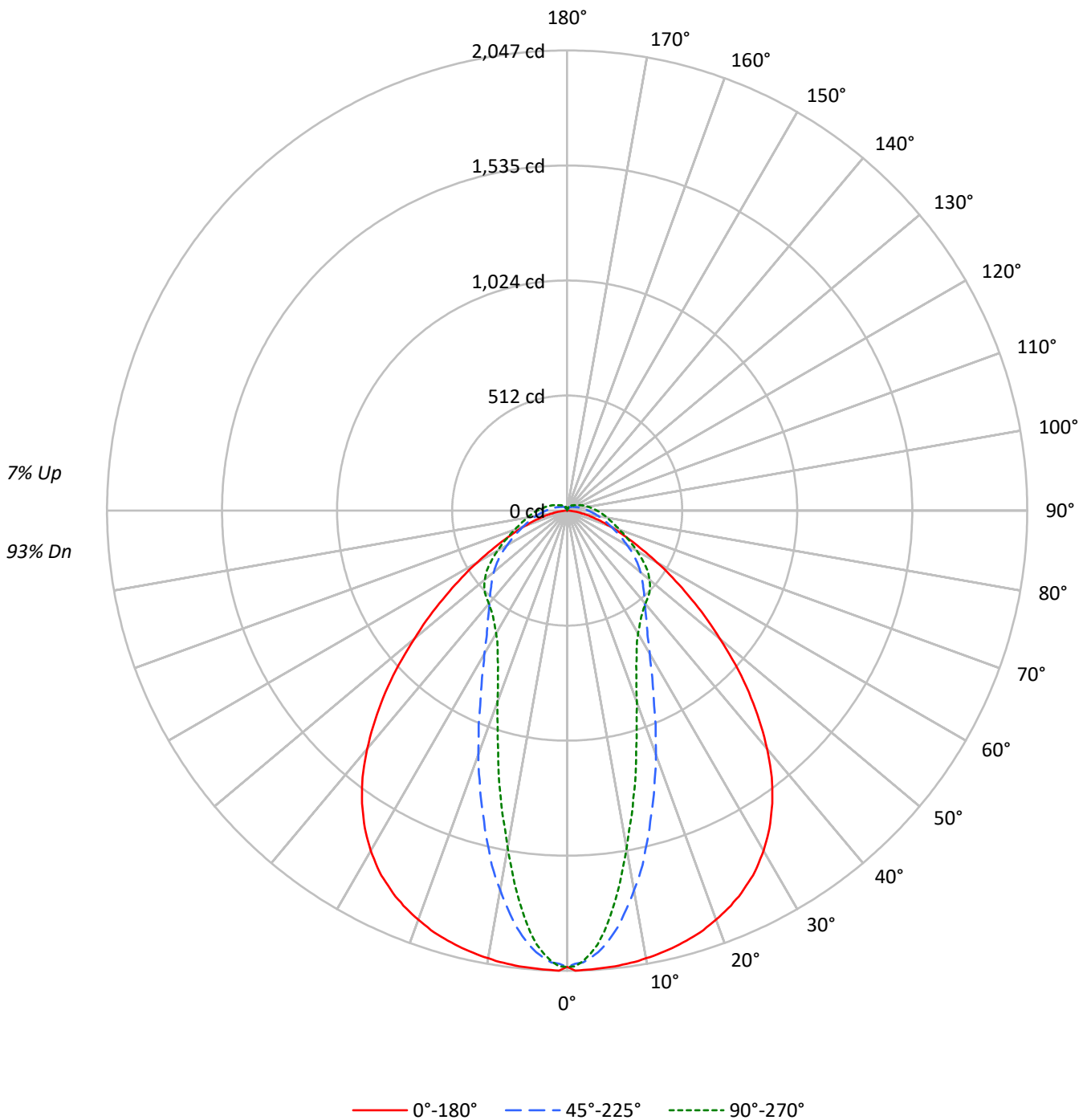
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3236.0 lumens
Efficiency: N/A
Efficacy: 134.8 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	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°	21851	21851	21851
5°	21964	20084	19219
10°	21935	17220	14911
15°	21923	14047	11176
20°	21854	11189	8363
25°	21654	8768	6637
30°	21201	7096	5662
35°	20311	6005	5150
40°	18789	5302	4875
45°	16705	4851	4725
50°	14151	4464	4463
55°	11625	4045	4076
60°	9296	3558	3575
65°	7218	3124	3111
70°	5603	2763	2752
75°	4333	2483	2507
80°	3063	2272	2331
85°	1707	2117	2235



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	179.8	5.6
10°-20°	421.4	13.0
20°-30°	500.2	15.5
30°-40°	503.2	15.6
40°-50°	467.8	14.5
50°-60°	385.2	11.9
60°-70°	271.4	8.4
70°-80°	177.3	5.5
80°-90°	113.2	3.5
90°-100°	74.2	2.3
100°-110°	50.4	1.6
110°-120°	34.6	1.1
120°-130°	23.9	0.7
130°-140°	16.1	0.5
140°-150°	9.9	0.3
150°-160°	5.2	0.2
160°-170°	1.9	0.1
170°-180°	0.3	0.0
0°-30°	1101.4	34.0
0°-40°	1604.6	49.6
0°-60°	2457.6	75.9
0°-90°	3019.6	93.3
90°-120°	159.2	4.9
90°-150°	209.1	6.5
90°-180°	216.0	6.7
0°-180°	3236.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2030	2030	2030	2030	2030	
5°	2040	2013	1940	1903	1882	194
15°	1989	1777	1430	1250	1182	562
25°	1859	1374	911	765	733	855
35°	1591	929	617	578	575	989
45°	1143	612	478	504	517	878
55°	656	402	370	410	424	593
65°	309	242	254	287	297	313
75°	120	126	171	202	210	130
85°	20	58	115	149	156	26
90°	0	39	93	127	132	1
95°	0	29	78	107	112	0
105°	0	20	53	75	81	0
115°	2	17	37	54	58	1
125°	2	14	30	39	42	2
135°	2	12	24	30	32	1
145°	2	8	17	24	25	1
155°	2	7	12	17	19	1
165°	2	3	7	8	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°	2030.0	2030.0	2030.0	2030.0	2030.0
1°	2047.0	2038.5	2016.5	2031.7	2028.3
2°	2045.3	2036.8	2011.4	2018.2	2006.3
3°	2043.6	2031.7	1992.7	1991.0	1974.1
4°	2041.9	2023.3	1969.0	1948.6	1935.1
5°	2040.2	2013.1	1940.2	1902.8	1882.5
6°	2038.5	2001.2	1902.8	1846.9	1818.0
7°	2035.1	1982.6	1863.8	1787.5	1750.2
8°	2031.7	1965.6	1814.7	1723.1	1677.3
9°	2028.3	1943.5	1765.5	1653.5	1599.3
10°	2021.6	1921.5	1714.6	1582.3	1524.6
11°	2018.2	1896.1	1665.4	1514.5	1446.6
12°	2011.4	1868.9	1612.8	1443.2	1383.9
13°	2004.6	1840.1	1548.4	1382.2	1311.0
14°	1997.8	1809.6	1492.4	1314.4	1248.2
15°	1989.3	1777.3	1429.7	1249.9	1182.1
16°	1980.9	1740.0	1373.7	1183.8	1112.5
17°	1972.4	1704.4	1321.1	1122.7	1058.3
18°	1962.2	1668.8	1260.1	1063.4	1000.6
19°	1948.6	1628.1	1210.9	1009.1	951.4
20°	1936.8	1590.8	1154.9	958.2	907.3
21°	1923.2	1545.0	1099.0	910.7	859.8
22.5°	1902.8	1480.6	1027.7	851.4	803.9
23°	1892.7	1461.9	998.9	829.3	788.6
24°	1879.1	1412.7	951.4	795.4	754.7
25°	1858.7	1373.7	910.7	764.9	732.6
26°	1840.1	1326.2	870.0	737.7	705.5
27°	1821.4	1280.4	834.4	708.9	681.8
28°	1797.7	1232.9	795.4	685.2	661.4
29°	1772.3	1188.9	763.2	664.8	646.2
30°	1746.8	1139.7	736.0	646.2	630.9
32.5°	1675.6	1031.1	666.5	610.5	600.4
35°	1590.8	929.4	617.3	578.3	574.9
37.5°	1495.8	836.1	573.2	552.9	556.3
40°	1383.9	751.3	535.9	534.2	541.0
42.5°	1265.2	678.4	507.1	519.0	529.1
45°	1143.1	612.2	478.3	503.7	517.3
47.5°	1015.9	554.6	452.8	485.0	500.3
50°	887.0	498.6	425.7	463.0	478.3
52.5°	771.7	449.4	398.5	437.6	454.5
55°	656.3	401.9	369.7	410.4	424.0
57.5°	556.3	357.8	339.2	379.9	390.1
60°	463.0	315.4	308.7	346.0	357.8
62.5°	378.2	278.1	279.8	315.4	327.3
65°	308.7	242.5	254.4	286.6	296.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	251.0	208.6	229.0	262.9	271.4
70°	198.4	178.1	208.6	239.1	247.6
72.5°	157.7	150.9	188.2	220.5	227.3
75°	120.4	125.5	171.3	201.8	210.3
77.5°	86.5	105.1	154.3	186.6	193.3
80°	61.1	86.5	140.8	173.0	179.8
82.5°	39.0	71.2	127.2	161.1	167.9
85°	20.4	57.7	115.3	149.2	156.0
87.5°	8.5	47.5	103.5	137.4	144.2
90°	0.0	39.0	93.3	127.2	132.3
92.5°	0.0	33.9	84.8	117.0	122.1
95°	0.0	28.8	78.0	106.8	111.9
97.5°	0.0	27.1	69.5	98.4	103.5
100°	0.0	23.7	62.7	89.9	96.7
102.5°	0.0	22.0	57.7	81.4	88.2
105°	0.0	20.4	52.6	74.6	81.4
107.5°	0.0	18.7	49.2	69.5	74.6
110°	0.0	18.7	44.1	64.4	69.5
112.5°	1.7	17.0	40.7	57.7	62.7
115°	1.7	17.0	37.3	54.3	57.7
117.5°	1.7	17.0	35.6	49.2	52.6
120°	1.7	15.3	33.9	45.8	49.2
122.5°	1.7	15.3	32.2	42.4	44.1
125°	1.7	13.6	30.5	39.0	42.4
127.5°	1.7	13.6	28.8	37.3	39.0
130°	1.7	13.6	27.1	33.9	37.3
132.5°	1.7	11.9	25.4	32.2	33.9
135°	1.7	11.9	23.7	30.5	32.2
137.5°	1.7	10.2	22.0	28.8	30.5
140°	1.7	10.2	20.4	27.1	28.8
142.5°	1.7	8.5	18.7	25.4	27.1
145°	1.7	8.5	17.0	23.7	25.4
147.5°	1.7	8.5	15.3	22.0	23.7
150°	1.7	6.8	13.6	20.4	22.0
152.5°	1.7	6.8	11.9	18.7	20.4
155°	1.7	6.8	11.9	17.0	18.7
157.5°	1.7	5.1	10.2	13.6	17.0
160°	1.7	5.1	8.5	11.9	15.3
162.5°	1.7	5.1	8.5	10.2	11.9
165°	1.7	3.4	6.8	8.5	10.2
167.5°	1.7	3.4	5.1	6.8	8.5
170°	1.7	3.4	5.1	5.1	6.8
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)