

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: P566342

Luminaire Tested: **4SNX-37SL-LN-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566342
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-L830-CD
Description: 4FT 3700 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

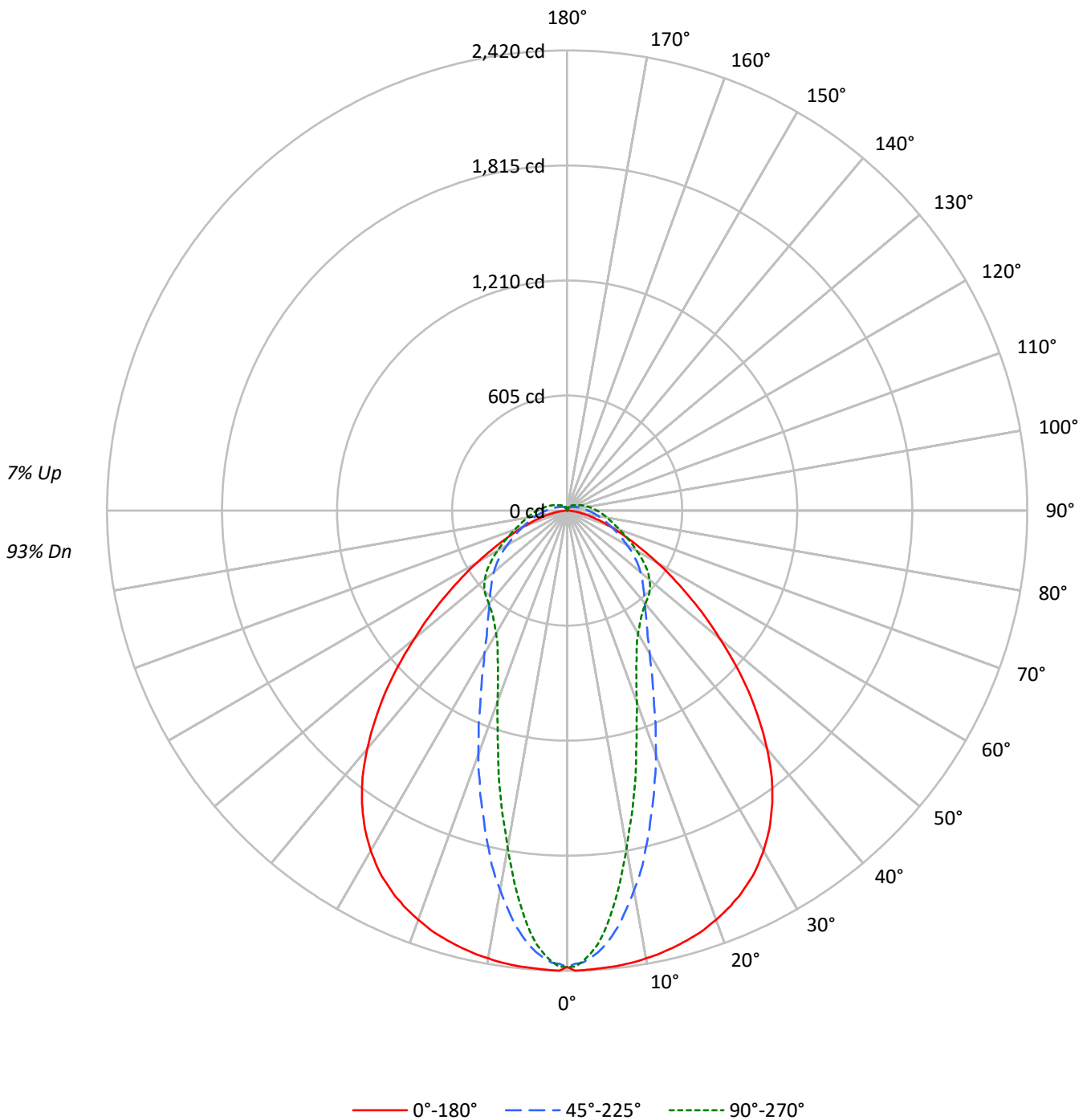
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3826.0 lumens
Efficiency: N/A
Efficacy: 159.4 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°	25836	25836	25836
5°	25969	23745	22723
10°	25933	20359	17630
15°	25920	16607	13214
20°	25838	13230	9889
25°	25603	10367	7848
30°	25067	8390	6694
35°	24014	7101	6089
40°	22214	6268	5763
45°	19750	5736	5586
50°	16730	5278	5277
55°	13745	4782	4819
60°	10991	4206	4227
65°	8532	3694	3678
70°	6625	3266	3254
75°	5125	2935	2964
80°	3620	2686	2755
85°	2016	2505	2643



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.5	5.6
10°-20°	498.2	13.0
20°-30°	591.4	15.5
30°-40°	595.0	15.6
40°-50°	553.1	14.5
50°-60°	455.4	11.9
60°-70°	320.9	8.4
70°-80°	209.7	5.5
80°-90°	133.9	3.5
90°-100°	87.8	2.3
100°-110°	59.6	1.6
110°-120°	40.9	1.1
120°-130°	28.2	0.7
130°-140°	19.0	0.5
140°-150°	11.7	0.3
150°-160°	6.1	0.2
160°-170°	2.2	0.1
170°-180°	0.4	0.0
0°-30°	1302.2	34.0
0°-40°	1897.2	49.6
0°-60°	2905.7	75.9
0°-90°	3570.1	93.3
90°-120°	188.2	4.9
90°-150°	247.2	6.5
90°-180°	256.0	6.7
0°-180°	3826.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2400	2400	2400	2400	2400	
5°	2412	2380	2294	2250	2226	230
15°	2352	2101	1690	1478	1398	664
25°	2198	1624	1077	904	866	1011
35°	1881	1099	730	684	680	1170
45°	1352	724	566	596	612	1038
55°	776	475	437	485	501	701
65°	365	287	301	339	351	370
75°	142	148	202	239	249	154
85°	24	68	136	176	184	30
90°	0	46	110	150	156	1
95°	0	34	92	126	132	0
105°	0	24	62	88	96	0
115°	2	20	44	64	68	2
125°	2	16	36	46	50	2
135°	2	14	28	36	38	2
145°	2	10	20	28	30	1
155°	2	8	14	20	22	1
165°	2	4	8	10	12	1
175°	4	4	4	4	2	0
180°	2	2	2	2	2	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2400.2	2400.2	2400.2	2400.2	2400.2
1°	2420.2	2410.2	2384.1	2402.2	2398.2
2°	2418.2	2408.2	2378.1	2386.1	2372.1
3°	2416.2	2402.2	2356.1	2354.0	2334.0
4°	2414.2	2392.1	2328.0	2303.9	2287.9
5°	2412.2	2380.1	2293.9	2249.8	2225.7
6°	2410.2	2366.1	2249.8	2183.6	2149.5
7°	2406.2	2344.0	2203.7	2113.4	2069.3
8°	2402.2	2324.0	2145.5	2037.2	1983.1
9°	2398.2	2297.9	2087.4	1955.0	1890.9
10°	2390.1	2271.8	2027.2	1870.8	1802.6
11°	2386.1	2241.8	1969.1	1790.6	1710.4
12°	2378.1	2209.7	1906.9	1706.4	1636.2
13°	2370.1	2175.6	1830.7	1634.2	1550.0
14°	2362.1	2139.5	1764.5	1554.0	1475.8
15°	2352.0	2101.4	1690.3	1477.8	1397.6
16°	2342.0	2057.3	1624.2	1399.6	1315.4
17°	2332.0	2015.2	1562.0	1327.4	1251.2
18°	2320.0	1973.1	1489.8	1257.2	1183.0
19°	2303.9	1924.9	1431.7	1193.1	1124.9
20°	2289.9	1880.8	1365.5	1132.9	1072.8
21°	2273.8	1826.7	1299.3	1076.8	1016.6
22.5°	2249.8	1750.5	1215.1	1006.6	950.4
23°	2237.7	1728.4	1181.0	980.5	932.4
24°	2221.7	1670.3	1124.9	940.4	892.3
25°	2197.6	1624.2	1076.8	904.3	866.2
26°	2175.6	1568.0	1028.6	872.2	834.1
27°	2153.5	1513.9	986.5	838.2	806.1
28°	2125.5	1457.7	940.4	810.1	782.0
29°	2095.4	1405.6	902.3	786.0	764.0
30°	2065.3	1347.5	870.2	764.0	745.9
32.5°	1981.1	1219.1	788.0	721.9	709.8
35°	1880.8	1098.8	729.9	683.8	679.7
37.5°	1768.5	988.5	677.7	653.7	657.7
40°	1636.2	888.3	633.6	631.6	639.6
42.5°	1495.8	802.1	599.5	613.6	625.6
45°	1351.5	723.9	565.5	595.5	611.6
47.5°	1201.1	655.7	535.4	573.5	591.5
50°	1048.7	589.5	503.3	547.4	565.5
52.5°	912.3	531.4	471.2	517.3	537.4
55°	776.0	475.2	437.1	485.2	501.3
57.5°	657.7	423.1	401.0	449.2	461.2
60°	547.4	373.0	364.9	409.1	423.1
62.5°	447.1	328.8	330.8	373.0	387.0
65°	364.9	286.7	300.8	338.9	350.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	296.8	246.6	270.7	310.8	320.8
70°	234.6	210.5	246.6	282.7	292.8
72.5°	186.5	178.5	222.6	260.7	268.7
75°	142.4	148.4	202.5	238.6	248.6
77.5°	102.3	124.3	182.5	220.6	228.6
80°	72.2	102.3	166.4	204.5	212.5
82.5°	46.1	84.2	150.4	190.5	198.5
85°	24.1	68.2	136.4	176.5	184.5
87.5°	10.0	56.1	122.3	162.4	170.4
90°	0.0	46.1	110.3	150.4	156.4
92.5°	0.0	40.1	100.3	138.4	144.4
95°	0.0	34.1	92.2	126.3	132.3
97.5°	0.0	32.1	82.2	116.3	122.3
100°	0.0	28.1	74.2	106.3	114.3
102.5°	0.0	26.1	68.2	96.2	104.3
105°	0.0	24.1	62.2	88.2	96.2
107.5°	0.0	22.1	58.1	82.2	88.2
110°	0.0	22.1	52.1	76.2	82.2
112.5°	2.0	20.1	48.1	68.2	74.2
115°	2.0	20.1	44.1	64.2	68.2
117.5°	2.0	20.1	42.1	58.1	62.2
120°	2.0	18.0	40.1	54.1	58.1
122.5°	2.0	18.0	38.1	50.1	52.1
125°	2.0	16.0	36.1	46.1	50.1
127.5°	2.0	16.0	34.1	44.1	46.1
130°	2.0	16.0	32.1	40.1	44.1
132.5°	2.0	14.0	30.1	38.1	40.1
135°	2.0	14.0	28.1	36.1	38.1
137.5°	2.0	12.0	26.1	34.1	36.1
140°	2.0	12.0	24.1	32.1	34.1
142.5°	2.0	10.0	22.1	30.1	32.1
145°	2.0	10.0	20.1	28.1	30.1
147.5°	2.0	10.0	18.0	26.1	28.1
150°	2.0	8.0	16.0	24.1	26.1
152.5°	2.0	8.0	14.0	22.1	24.1
155°	2.0	8.0	14.0	20.1	22.1
157.5°	2.0	6.0	12.0	16.0	20.1
160°	2.0	6.0	10.0	14.0	18.0
162.5°	2.0	6.0	10.0	12.0	14.0
165°	2.0	4.0	8.0	10.0	12.0
167.5°	2.0	4.0	6.0	8.0	10.0
170°	2.0	4.0	6.0	6.0	8.0
172.5°	2.0	4.0	4.0	4.0	4.0
175°	4.0	4.0	4.0	4.0	2.0
177.5°	4.0	4.0	4.0	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)