

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: P566390

Luminaire Tested: **4SNX-41SL-LN-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566390
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-41SL-LN-UNV-L830-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

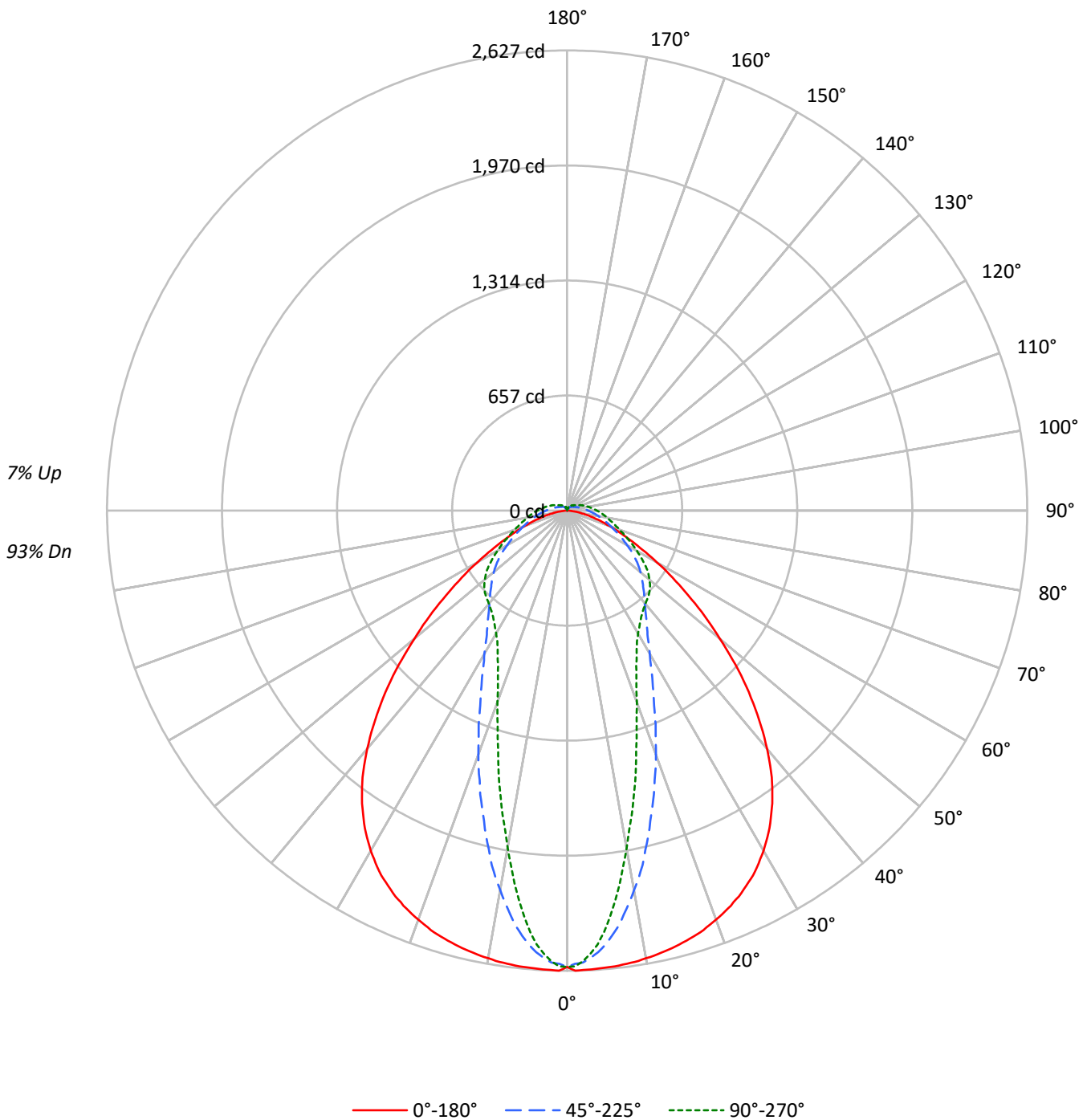
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4153.0 lumens
Efficiency: N/A
Efficacy: 157.9 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): 26.3
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°	28043	28043	28043
5°	28189	25774	24665
10°	28150	22100	19137
15°	28137	18027	14343
20°	28047	14360	10733
25°	27792	11253	8519
30°	27209	9107	7267
35°	26067	7708	6610
40°	24112	6805	6256
45°	21438	6225	6063
50°	18160	5729	5728
55°	14919	5191	5231
60°	11931	4566	4588
65°	9261	4009	3993
70°	7192	3546	3532
75°	5561	3186	3218
80°	3931	2916	2991
85°	2183	2718	2868



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.7	5.6
10°-20°	540.8	13.0
20°-30°	641.9	15.5
30°-40°	645.9	15.6
40°-50°	600.4	14.5
50°-60°	494.3	11.9
60°-70°	348.3	8.4
70°-80°	227.6	5.5
80°-90°	145.3	3.5
90°-100°	95.3	2.3
100°-110°	64.7	1.6
110°-120°	44.3	1.1
120°-130°	30.7	0.7
130°-140°	20.6	0.5
140°-150°	12.7	0.3
150°-160°	6.6	0.2
160°-170°	2.4	0.1
170°-180°	0.4	0.0
0°-30°	1413.5	34.0
0°-40°	2059.3	49.6
0°-60°	3154.0	75.9
0°-90°	3875.2	93.3
90°-120°	204.3	4.9
90°-150°	268.4	6.5
90°-180°	278.0	6.7
0°-180°	4153.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2605	2605	2605	2605	2605	
5°	2618	2584	2490	2442	2416	249
15°	2553	2281	1835	1604	1517	721
25°	2386	1763	1169	982	940	1098
35°	2042	1193	792	742	738	1270
45°	1467	786	614	646	664	1126
55°	842	516	474	527	544	761
65°	396	311	326	368	381	402
75°	154	161	220	259	270	167
85°	26	74	148	192	200	33
90°	0	50	120	163	170	1
95°	0	37	100	137	144	0
105°	0	26	68	96	104	0
115°	2	22	48	70	74	2
125°	2	17	39	50	54	2
135°	2	15	30	39	41	2
145°	2	11	22	30	33	1
155°	2	9	15	22	24	1
165°	2	4	9	11	13	1
175°	4	4	4	4	2	0
180°	2	2	2	2	2	



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CATALOG NUMBER: 4SNX-41SL-LN-UNV-L830-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2605.3	2605.3	2605.3	2605.3	2605.3
1°	2627.1	2616.2	2587.9	2607.5	2603.1
2°	2624.9	2614.0	2581.4	2590.1	2574.8
3°	2622.7	2607.5	2557.4	2555.2	2533.5
4°	2620.5	2596.6	2526.9	2500.8	2483.4
5°	2618.4	2583.5	2489.9	2442.1	2415.9
6°	2616.2	2568.3	2442.1	2370.2	2333.2
7°	2611.8	2544.4	2392.0	2294.1	2246.2
8°	2607.5	2522.6	2328.9	2211.4	2152.6
9°	2603.1	2494.3	2265.8	2122.1	2052.5
10°	2594.4	2466.0	2200.5	2030.7	1956.7
11°	2590.1	2433.4	2137.3	1943.6	1856.6
12°	2581.4	2398.5	2069.9	1852.2	1776.0
13°	2572.7	2361.5	1987.2	1773.9	1682.5
14°	2563.9	2322.4	1915.3	1686.8	1601.9
15°	2553.1	2281.0	1834.8	1604.1	1517.0
16°	2542.2	2233.1	1763.0	1519.2	1427.8
17°	2531.3	2187.4	1695.5	1440.9	1358.2
18°	2518.2	2141.7	1617.2	1364.7	1284.2
19°	2500.8	2089.5	1554.0	1295.0	1221.0
20°	2485.6	2041.6	1482.2	1229.7	1164.4
21°	2468.2	1982.8	1410.4	1168.8	1103.5
22.5°	2442.1	1900.1	1319.0	1092.6	1031.7
23°	2429.0	1876.2	1282.0	1064.3	1012.1
24°	2411.6	1813.0	1221.0	1020.8	968.6
25°	2385.5	1763.0	1168.8	981.6	940.3
26°	2361.5	1702.0	1116.6	946.8	905.4
27°	2337.6	1643.3	1070.9	909.8	875.0
28°	2307.1	1582.3	1020.8	879.3	848.8
29°	2274.5	1525.7	979.4	853.2	829.3
30°	2241.8	1462.6	944.6	829.3	809.7
32.5°	2150.4	1323.3	855.4	783.5	770.5
35°	2041.6	1192.7	792.3	742.2	737.8
37.5°	1919.7	1073.0	735.7	709.5	713.9
40°	1776.0	964.2	687.8	685.6	694.3
42.5°	1623.7	870.6	650.8	666.0	679.1
45°	1467.0	785.7	613.8	646.4	663.8
47.5°	1303.7	711.7	581.1	622.5	642.1
50°	1138.3	639.9	546.3	594.2	613.8
52.5°	990.3	576.8	511.5	561.5	583.3
55°	842.3	515.8	474.5	526.7	544.1
57.5°	713.9	459.2	435.3	487.5	500.6
60°	594.2	404.8	396.1	444.0	459.2
62.5°	485.4	357.0	359.1	404.8	420.1
65°	396.1	311.2	326.5	367.8	380.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	322.1	267.7	293.8	337.4	348.2
70°	254.7	228.5	267.7	306.9	317.8
72.5°	202.4	193.7	241.6	282.9	291.7
75°	154.5	161.1	219.8	259.0	269.9
77.5°	111.0	134.9	198.1	239.4	248.1
80°	78.4	111.0	180.7	222.0	230.7
82.5°	50.1	91.4	163.2	206.8	215.5
85°	26.1	74.0	148.0	191.5	200.2
87.5°	10.9	60.9	132.8	176.3	185.0
90°	0.0	50.1	119.7	163.2	169.8
92.5°	0.0	43.5	108.8	150.2	156.7
95°	0.0	37.0	100.1	137.1	143.7
97.5°	0.0	34.8	89.2	126.2	132.8
100°	0.0	30.5	80.5	115.4	124.1
102.5°	0.0	28.3	74.0	104.5	113.2
105°	0.0	26.1	67.5	95.8	104.5
107.5°	0.0	23.9	63.1	89.2	95.8
110°	0.0	23.9	56.6	82.7	89.2
112.5°	2.2	21.8	52.2	74.0	80.5
115°	2.2	21.8	47.9	69.6	74.0
117.5°	2.2	21.8	45.7	63.1	67.5
120°	2.2	19.6	43.5	58.8	63.1
122.5°	2.2	19.6	41.4	54.4	56.6
125°	2.2	17.4	39.2	50.1	54.4
127.5°	2.2	17.4	37.0	47.9	50.1
130°	2.2	17.4	34.8	43.5	47.9
132.5°	2.2	15.2	32.6	41.4	43.5
135°	2.2	15.2	30.5	39.2	41.4
137.5°	2.2	13.1	28.3	37.0	39.2
140°	2.2	13.1	26.1	34.8	37.0
142.5°	2.2	10.9	23.9	32.6	34.8
145°	2.2	10.9	21.8	30.5	32.6
147.5°	2.2	10.9	19.6	28.3	30.5
150°	2.2	8.7	17.4	26.1	28.3
152.5°	2.2	8.7	15.2	23.9	26.1
155°	2.2	8.7	15.2	21.8	23.9
157.5°	2.2	6.5	13.1	17.4	21.8
160°	2.2	6.5	10.9	15.2	19.6
162.5°	2.2	6.5	10.9	13.1	15.2
165°	2.2	4.4	8.7	10.9	13.1
167.5°	2.2	4.4	6.5	8.7	10.9
170°	2.2	4.4	6.5	6.5	8.7
172.5°	2.2	4.4	4.4	4.4	4.4
175°	4.4	4.4	4.4	4.4	2.2
177.5°	4.4	4.4	4.4	2.2	2.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)