

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: P566394

Luminaire Tested: **4SNX-41SL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566394
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-L930-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

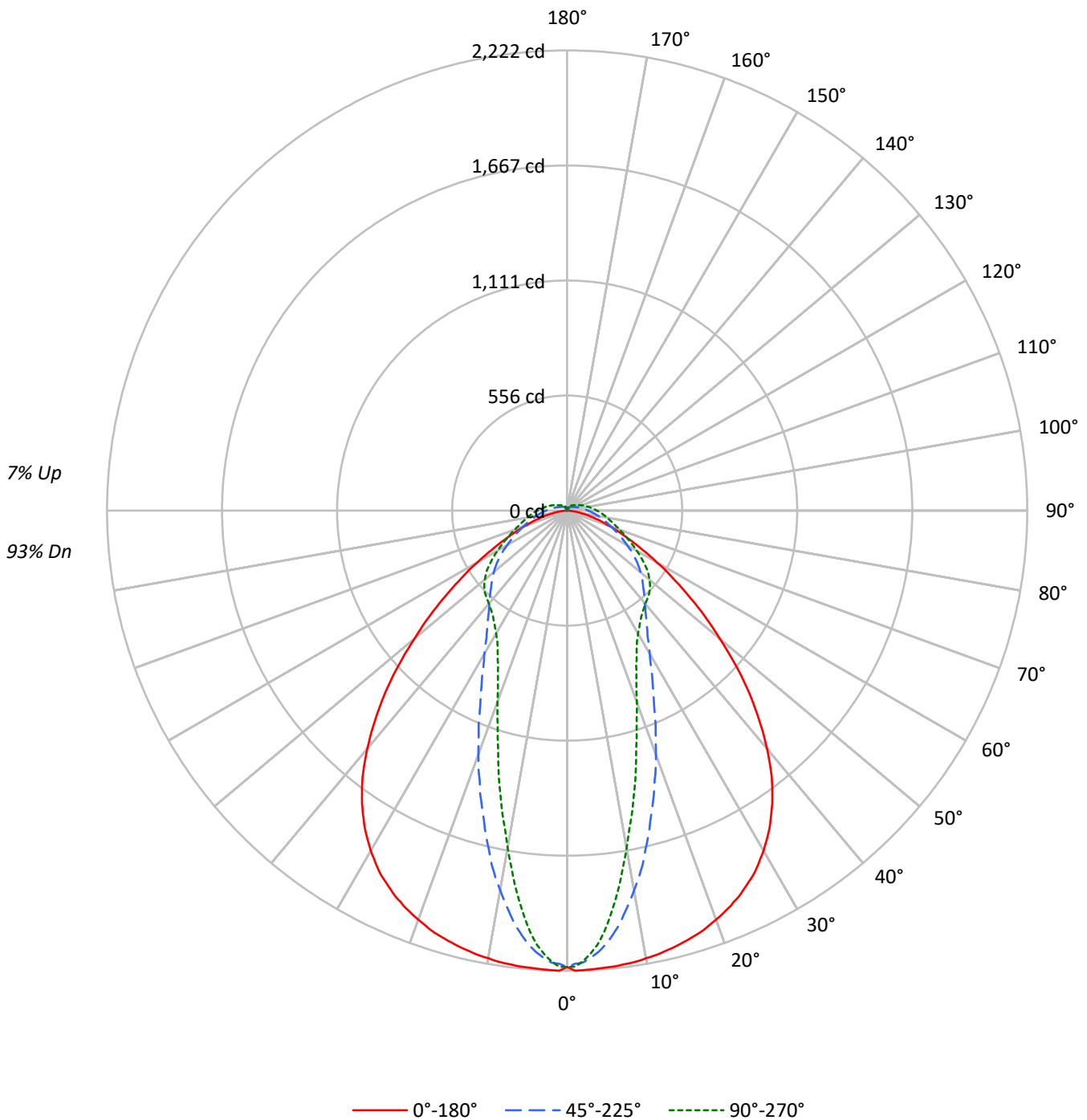
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3513.0 lumens
Efficiency: N/A
Efficacy: 133.6 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

TEST NUMBER: P566394
CATALOG NUMBER: 4SNX-41SL-LN-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P566394

CATALOG NUMBER: 4SNX-41SL-LN-UNV-L930-CD

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	96	96	96	93	
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	85	83	81	78	
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	76	72	69	67	
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	68	64	60	58	
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	62	57	53	51	
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	56	51	47	45	
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	52	46	42	40	
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	48	42	38	36	
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	44	39	35	33	
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	41	36	32	30	
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	39	34	30	28	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23722	23722	23722
5°	23845	21802	20864
10°	23812	18694	16188
15°	23800	15249	12133
20°	23724	12147	9080
25°	23509	9519	7206
30°	23016	7703	6147
35°	22050	6520	5591
40°	20396	5756	5292
45°	18134	5266	5128
50°	15362	4846	4845
55°	12620	4391	4425
60°	10092	3863	3882
65°	7835	3392	3377
70°	6083	3000	2987
75°	4704	2696	2722
80°	3324	2466	2531
85°	1849	2299	2427



TEST NUMBER: P566394

CATALOG NUMBER: 4SNX-41SL-LN-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.2	5.6
10°-20°	457.5	13.0
20°-30°	543.0	15.5
30°-40°	546.3	15.6
40°-50°	507.8	14.5
50°-60°	418.2	11.9
60°-70°	294.7	8.4
70°-80°	192.5	5.5
80°-90°	122.9	3.5
90°-100°	80.6	2.3
100°-110°	54.7	1.6
110°-120°	37.5	1.1
120°-130°	25.9	0.7
130°-140°	17.5	0.5
140°-150°	10.8	0.3
150°-160°	5.6	0.2
160°-170°	2.0	0.1
170°-180°	0.3	0.0
0°-30°	1195.6	34.0
0°-40°	1742.0	49.6
0°-60°	2668.0	75.9
0°-90°	3278.1	93.3
90°-120°	172.8	4.9
90°-150°	227.0	6.5
90°-180°	235.0	6.7
0°-180°	3513.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2204	2204	2204	2204	2204	
5°	2215	2185	2106	2066	2044	211
15°	2160	1930	1552	1357	1283	610
25°	2018	1491	989	830	795	929
35°	1727	1009	670	628	624	1074
45°	1241	665	519	547	562	953
55°	712	436	401	446	460	644
65°	335	263	276	311	322	340
75°	131	136	186	219	228	141
85°	22	63	125	162	169	28
90°	0	42	101	138	144	1
95°	0	31	85	116	122	0
105°	0	22	57	81	88	0
115°	2	18	40	59	63	2
125°	2	15	33	42	46	2
135°	2	13	26	33	35	1
145°	2	9	18	26	28	1
155°	2	7	13	18	20	1
165°	2	4	7	9	11	1
175°	4	4	4	4	2	0
180°	2	2	2	2	2	



TEST NUMBER: P566394

CATALOG NUMBER: 4SNX-41SL-LN-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2203.8	2203.8	2203.8	2203.8	2203.8
1°	2222.2	2213.0	2189.1	2205.7	2202.0
2°	2220.4	2211.2	2183.6	2190.9	2178.0
3°	2218.5	2205.7	2163.3	2161.5	2143.1
4°	2216.7	2196.4	2137.5	2115.4	2100.7
5°	2214.9	2185.4	2106.2	2065.7	2043.6
6°	2213.0	2172.5	2065.7	2005.0	1973.7
7°	2209.3	2152.3	2023.4	1940.5	1900.0
8°	2205.7	2133.8	1970.0	1870.6	1820.9
9°	2202.0	2109.9	1916.6	1795.1	1736.2
10°	2194.6	2086.0	1861.4	1717.8	1655.2
11°	2190.9	2058.4	1808.0	1644.1	1570.5
12°	2183.6	2028.9	1750.9	1566.8	1502.3
13°	2176.2	1997.6	1680.9	1500.5	1423.2
14°	2168.8	1964.5	1620.2	1426.9	1355.1
15°	2159.6	1929.5	1552.1	1356.9	1283.3
16°	2150.4	1889.0	1491.3	1285.1	1207.8
17°	2141.2	1850.3	1434.2	1218.8	1148.9
18°	2130.2	1811.7	1367.9	1154.4	1086.3
19°	2115.4	1767.5	1314.6	1095.5	1032.9
20°	2102.5	1727.0	1253.8	1040.2	985.0
21°	2087.8	1677.3	1193.0	988.7	933.4
22.5°	2065.7	1607.3	1115.7	924.2	872.7
23°	2054.7	1587.0	1084.4	900.3	856.1
24°	2040.0	1533.6	1032.9	863.5	819.3
25°	2017.9	1491.3	988.7	830.3	795.4
26°	1997.6	1439.7	944.5	800.9	765.9
27°	1977.4	1390.0	905.8	769.6	740.1
28°	1951.6	1338.5	863.5	743.8	718.0
29°	1924.0	1290.6	828.5	721.7	701.5
30°	1896.3	1237.2	799.0	701.5	684.9
32.5°	1819.0	1119.4	723.6	662.8	651.8
35°	1727.0	1008.9	670.2	627.8	624.1
37.5°	1623.9	907.7	622.3	600.2	603.9
40°	1502.3	815.6	581.8	580.0	587.3
42.5°	1373.5	736.4	550.5	563.4	574.4
45°	1240.9	664.6	519.2	546.8	561.5
47.5°	1102.8	602.0	491.6	526.6	543.1
50°	962.9	541.3	462.1	502.6	519.2
52.5°	837.7	487.9	432.7	475.0	493.4
55°	712.5	436.3	401.4	445.5	460.3
57.5°	603.9	388.5	368.2	412.4	423.5
60°	502.6	342.4	335.1	375.6	388.5
62.5°	410.6	301.9	303.8	342.4	355.3
65°	335.1	263.3	276.2	311.1	322.2



TEST NUMBER: P566394

CATALOG NUMBER: 4SNX-41SL-LN-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	272.5	226.5	248.6	285.4	294.6
70°	215.4	193.3	226.5	259.6	268.8
72.5°	171.2	163.9	204.4	239.3	246.7
75°	130.7	136.2	186.0	219.1	228.3
77.5°	93.9	114.1	167.5	202.5	209.9
80°	66.3	93.9	152.8	187.8	195.2
82.5°	42.3	77.3	138.1	174.9	182.3
85°	22.1	62.6	125.2	162.0	169.4
87.5°	9.2	51.6	112.3	149.1	156.5
90°	0.0	42.3	101.3	138.1	143.6
92.5°	0.0	36.8	92.1	127.0	132.6
95°	0.0	31.3	84.7	116.0	121.5
97.5°	0.0	29.5	75.5	106.8	112.3
100°	0.0	25.8	68.1	97.6	104.9
102.5°	0.0	23.9	62.6	88.4	95.7
105°	0.0	22.1	57.1	81.0	88.4
107.5°	0.0	20.3	53.4	75.5	81.0
110°	0.0	20.3	47.9	70.0	75.5
112.5°	1.8	18.4	44.2	62.6	68.1
115°	1.8	18.4	40.5	58.9	62.6
117.5°	1.8	18.4	38.7	53.4	57.1
120°	1.8	16.6	36.8	49.7	53.4
122.5°	1.8	16.6	35.0	46.0	47.9
125°	1.8	14.7	33.1	42.3	46.0
127.5°	1.8	14.7	31.3	40.5	42.3
130°	1.8	14.7	29.5	36.8	40.5
132.5°	1.8	12.9	27.6	35.0	36.8
135°	1.8	12.9	25.8	33.1	35.0
137.5°	1.8	11.0	23.9	31.3	33.1
140°	1.8	11.0	22.1	29.5	31.3
142.5°	1.8	9.2	20.3	27.6	29.5
145°	1.8	9.2	18.4	25.8	27.6
147.5°	1.8	9.2	16.6	23.9	25.8
150°	1.8	7.4	14.7	22.1	23.9
152.5°	1.8	7.4	12.9	20.3	22.1
155°	1.8	7.4	12.9	18.4	20.3
157.5°	1.8	5.5	11.0	14.7	18.4
160°	1.8	5.5	9.2	12.9	16.6
162.5°	1.8	5.5	9.2	11.0	12.9
165°	1.8	3.7	7.4	9.2	11.0
167.5°	1.8	3.7	5.5	7.4	9.2
170°	1.8	3.7	5.5	5.5	7.4
172.5°	1.8	3.7	3.7	3.7	3.7
175°	3.7	3.7	3.7	3.7	1.8
177.5°	3.7	3.7	3.7	1.8	1.8



TEST NUMBER: P566394

CATALOG NUMBER: 4SNX-41SL-LN-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)