

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: P566395

Luminaire Tested: **4SNX-41SL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566395
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-L935-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

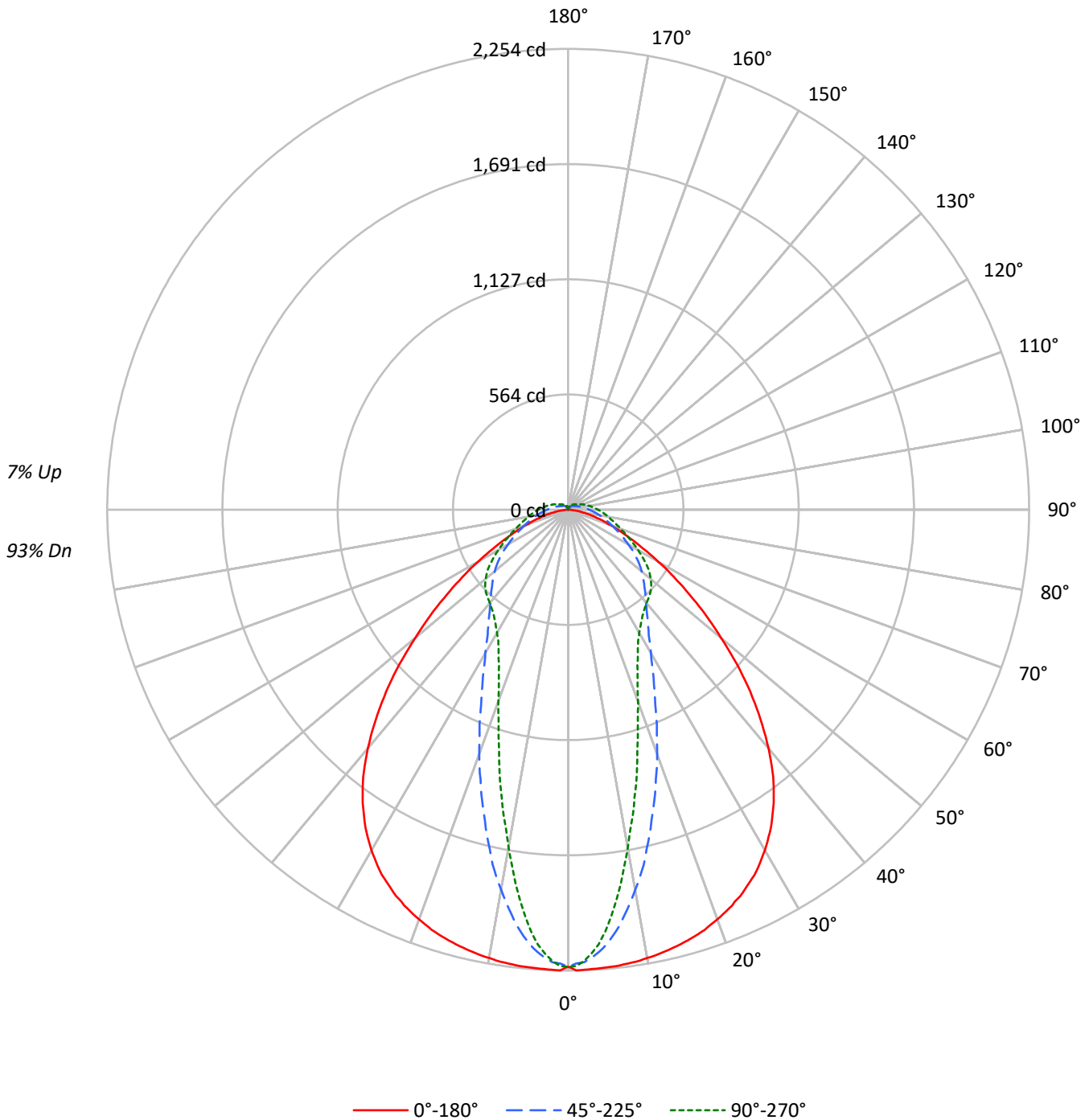
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3563.0 lumens
Efficiency: N/A
Efficacy: 135.5 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	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°	24060	24060	24060
5°	24184	22113	21161
10°	24150	18960	16418
15°	24139	15466	12305
20°	24062	12320	9209
25°	23844	9654	7309
30°	23343	7813	6234
35°	22363	6612	5671
40°	20687	5838	5368
45°	18393	5341	5201
50°	15580	4915	4914
55°	12801	4454	4487
60°	10236	3918	3936
65°	7947	3440	3426
70°	6170	3042	3030
75°	4772	2734	2760
80°	3369	2502	2566
85°	1874	2332	2461



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.9	5.6
10°-20°	464.0	13.0
20°-30°	550.7	15.5
30°-40°	554.1	15.6
40°-50°	515.1	14.5
50°-60°	424.1	11.9
60°-70°	298.9	8.4
70°-80°	195.3	5.5
80°-90°	124.6	3.5
90°-100°	81.7	2.3
100°-110°	55.5	1.6
110°-120°	38.1	1.1
120°-130°	26.3	0.7
130°-140°	17.7	0.5
140°-150°	10.9	0.3
150°-160°	5.7	0.2
160°-170°	2.0	0.1
170°-180°	0.4	0.0
0°-30°	1212.6	34.0
0°-40°	1766.8	49.6
0°-60°	2706.0	75.9
0°-90°	3324.7	93.3
90°-120°	175.3	4.9
90°-150°	230.2	6.5
90°-180°	238.0	6.7
0°-180°	3563.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2235	2235	2235	2235	2235	
5°	2246	2216	2136	2095	2073	214
15°	2190	1957	1574	1376	1302	619
25°	2047	1512	1003	842	807	942
35°	1752	1023	680	637	633	1089
45°	1259	674	527	555	570	966
55°	723	443	407	452	467	653
65°	340	267	280	316	327	345
75°	133	138	189	222	232	143
85°	22	64	127	164	172	28
90°	0	43	103	140	146	1
95°	0	32	86	118	123	0
105°	0	22	58	82	90	0
115°	2	19	41	60	64	2
125°	2	15	34	43	47	2
135°	2	13	26	34	36	1
145°	2	9	19	26	28	1
155°	2	8	13	19	20	1
165°	2	4	8	9	11	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°	2235.2	2235.2	2235.2	2235.2	2235.2
1°	2253.8	2244.5	2220.2	2237.0	2233.3
2°	2252.0	2242.6	2214.6	2222.1	2209.0
3°	2250.1	2237.0	2194.1	2192.2	2173.6
4°	2248.2	2227.7	2168.0	2145.5	2130.6
5°	2246.4	2216.5	2136.2	2095.1	2072.7
6°	2244.5	2203.4	2095.1	2033.5	2001.8
7°	2240.8	2182.9	2052.2	1968.2	1927.1
8°	2237.0	2164.2	1998.0	1897.2	1846.8
9°	2233.3	2139.9	1943.9	1820.6	1760.9
10°	2225.8	2115.7	1887.9	1742.2	1678.7
11°	2222.1	2087.7	1833.7	1667.5	1592.8
12°	2214.6	2057.8	1775.8	1589.1	1523.7
13°	2207.2	2026.0	1704.9	1521.9	1443.4
14°	2199.7	1992.4	1643.2	1447.2	1374.3
15°	2190.4	1956.9	1574.1	1376.2	1301.5
16°	2181.0	1915.9	1512.5	1303.4	1225.0
17°	2171.7	1876.7	1454.6	1236.2	1165.2
18°	2160.5	1837.4	1387.4	1170.8	1101.7
19°	2145.5	1792.6	1333.3	1111.1	1047.6
20°	2132.5	1751.5	1271.6	1055.0	999.0
21°	2117.5	1701.1	1210.0	1002.7	946.7
22.5°	2095.1	1630.2	1131.6	937.4	885.1
23°	2083.9	1609.6	1099.8	913.1	868.3
24°	2069.0	1555.5	1047.6	875.8	831.0
25°	2046.6	1512.5	1002.7	842.2	806.7
26°	2026.0	1460.2	957.9	812.3	776.8
27°	2005.5	1409.8	918.7	780.5	750.7
28°	1979.4	1357.5	875.8	754.4	728.3
29°	1951.3	1309.0	840.3	732.0	711.4
30°	1923.3	1254.8	810.4	711.4	694.6
32.5°	1844.9	1135.3	733.9	672.2	661.0
35°	1751.5	1023.3	679.7	636.8	633.0
37.5°	1647.0	920.6	631.2	608.7	612.5
40°	1523.7	827.2	590.1	588.2	595.7
42.5°	1393.0	746.9	558.3	571.4	582.6
45°	1258.6	674.1	526.6	554.6	569.5
47.5°	1118.5	610.6	498.6	534.1	550.9
50°	976.6	549.0	468.7	509.8	526.6
52.5°	849.6	494.8	438.8	481.8	500.4
55°	722.7	442.6	407.1	451.9	466.8
57.5°	612.5	394.0	373.5	418.3	429.5
60°	509.8	347.3	339.9	380.9	394.0
62.5°	416.4	306.2	308.1	347.3	360.4
65°	339.9	267.0	280.1	315.6	326.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	276.4	229.7	252.1	289.4	298.8
70°	218.5	196.1	229.7	263.3	272.6
72.5°	173.7	166.2	207.3	242.8	250.2
75°	132.6	138.2	188.6	222.2	231.5
77.5°	95.2	115.8	169.9	205.4	212.9
80°	67.2	95.2	155.0	190.5	197.9
82.5°	42.9	78.4	140.0	177.4	184.9
85°	22.4	63.5	127.0	164.3	171.8
87.5°	9.3	52.3	113.9	151.3	158.7
90°	0.0	42.9	102.7	140.0	145.7
92.5°	0.0	37.3	93.4	128.8	134.4
95°	0.0	31.7	85.9	117.6	123.2
97.5°	0.0	29.9	76.6	108.3	113.9
100°	0.0	26.1	69.1	99.0	106.4
102.5°	0.0	24.3	63.5	89.6	97.1
105°	0.0	22.4	57.9	82.2	89.6
107.5°	0.0	20.5	54.2	76.6	82.2
110°	0.0	20.5	48.6	71.0	76.6
112.5°	1.9	18.7	44.8	63.5	69.1
115°	1.9	18.7	41.1	59.8	63.5
117.5°	1.9	18.7	39.2	54.2	57.9
120°	1.9	16.8	37.3	50.4	54.2
122.5°	1.9	16.8	35.5	46.7	48.6
125°	1.9	14.9	33.6	42.9	46.7
127.5°	1.9	14.9	31.7	41.1	42.9
130°	1.9	14.9	29.9	37.3	41.1
132.5°	1.9	13.1	28.0	35.5	37.3
135°	1.9	13.1	26.1	33.6	35.5
137.5°	1.9	11.2	24.3	31.7	33.6
140°	1.9	11.2	22.4	29.9	31.7
142.5°	1.9	9.3	20.5	28.0	29.9
145°	1.9	9.3	18.7	26.1	28.0
147.5°	1.9	9.3	16.8	24.3	26.1
150°	1.9	7.5	14.9	22.4	24.3
152.5°	1.9	7.5	13.1	20.5	22.4
155°	1.9	7.5	13.1	18.7	20.5
157.5°	1.9	5.6	11.2	14.9	18.7
160°	1.9	5.6	9.3	13.1	16.8
162.5°	1.9	5.6	9.3	11.2	13.1
165°	1.9	3.7	7.5	9.3	11.2
167.5°	1.9	3.7	5.6	7.5	9.3
170°	1.9	3.7	5.6	5.6	7.5
172.5°	1.9	3.7	3.7	3.7	3.7
175°	3.7	3.7	3.7	3.7	1.9
177.5°	3.7	3.7	3.7	1.9	1.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	1.9	1.9	1.9	1.9	1.9

(END OF REPORT)