

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: P566397

Luminaire Tested: **4SNX-41SL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566397
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-L950-CD
Description: 4FT 4100 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

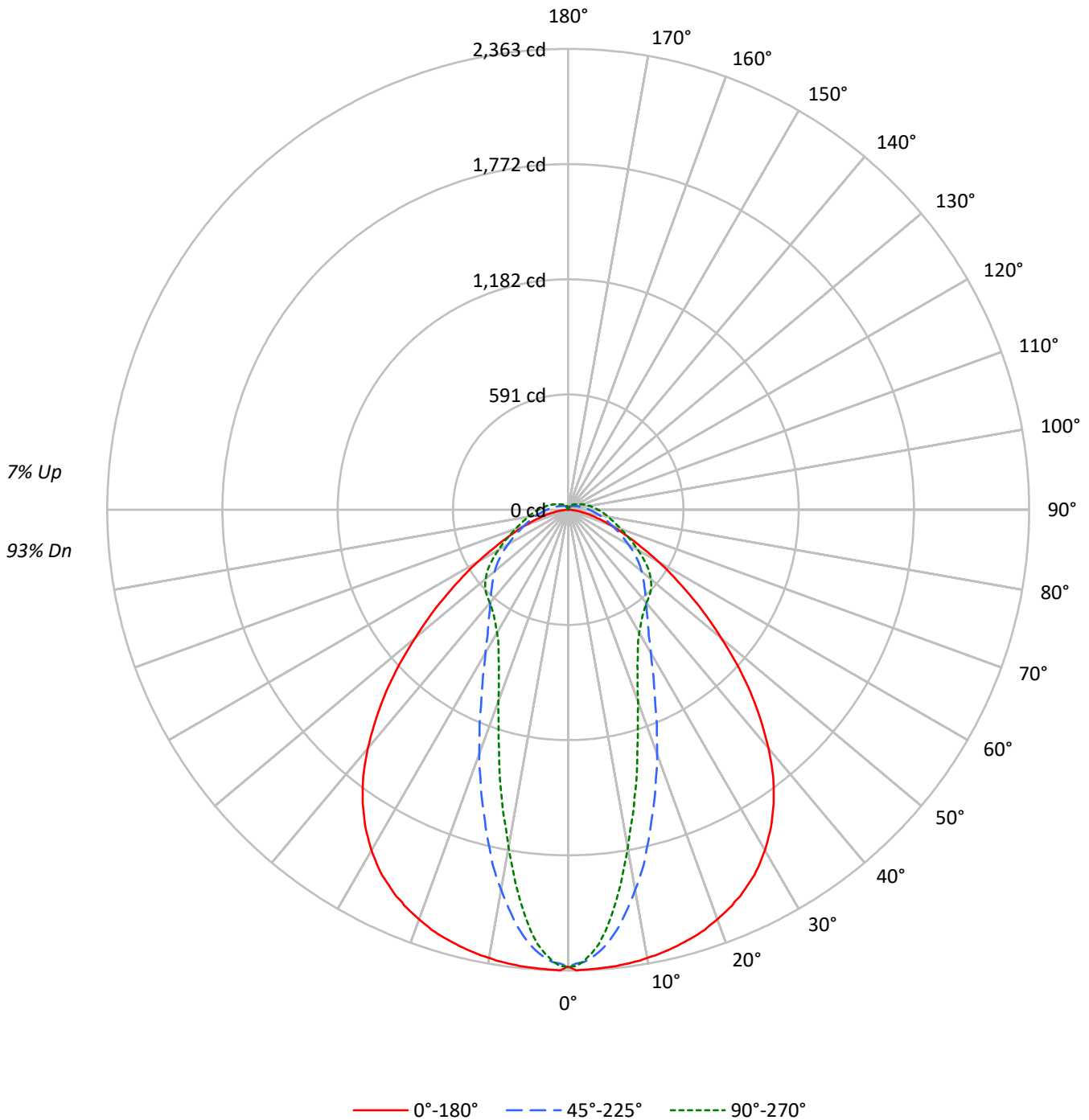
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3735.0 lumens
Efficiency: N/A
Efficacy: 142.0 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 (A_{in}): 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°	25221	25221	25221
5°	25351	23180	22183
10°	25317	19875	17211
15°	25304	16212	12899
20°	25223	12915	9653
25°	24995	10121	7661
30°	24471	8190	6535
35°	23443	6931	5945
40°	21686	6120	5626
45°	19280	5599	5453
50°	16333	5152	5151
55°	13417	4668	4705
60°	10730	4107	4126
65°	8330	3605	3591
70°	6467	3189	3176
75°	5003	2866	2894
80°	3535	2623	2690
85°	1966	2444	2580



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	207.5	5.6
10°-20°	486.4	13.0
20°-30°	577.3	15.5
30°-40°	580.9	15.6
40°-50°	539.9	14.5
50°-60°	444.6	11.9
60°-70°	313.3	8.4
70°-80°	204.7	5.5
80°-90°	130.7	3.5
90°-100°	85.7	2.3
100°-110°	58.2	1.6
110°-120°	39.9	1.1
120°-130°	27.6	0.7
130°-140°	18.6	0.5
140°-150°	11.4	0.3
150°-160°	5.9	0.2
160°-170°	2.1	0.1
170°-180°	0.4	0.0
0°-30°	1271.2	34.0
0°-40°	1852.0	49.6
0°-60°	2836.6	75.9
0°-90°	3485.2	93.3
90°-120°	183.8	4.9
90°-150°	241.4	6.5
90°-180°	250.0	6.7
0°-180°	3735.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2343	2343	2343	2343	2343	
5°	2355	2324	2239	2196	2173	224
15°	2296	2051	1650	1443	1364	648
25°	2145	1586	1051	883	846	987
35°	1836	1073	712	668	664	1142
45°	1319	707	552	581	597	1013
55°	758	464	427	474	489	684
65°	356	280	294	331	343	361
75°	139	145	198	233	243	150
85°	24	67	133	172	180	30
90°	0	45	108	147	153	1
95°	0	33	90	123	129	0
105°	0	24	61	86	94	0
115°	2	20	43	63	67	2
125°	2	16	35	45	49	2
135°	2	14	27	35	37	2
145°	2	10	20	27	29	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°	2343.1	2343.1	2343.1	2343.1	2343.1
1°	2362.7	2352.9	2327.4	2345.0	2341.1
2°	2360.7	2350.9	2321.5	2329.4	2315.7
3°	2358.7	2345.0	2300.0	2298.1	2278.5
4°	2356.8	2335.2	2272.6	2249.1	2233.5
5°	2354.8	2323.5	2239.3	2196.3	2172.8
6°	2352.9	2309.8	2196.3	2131.7	2098.4
7°	2348.9	2288.3	2151.2	2063.2	2020.1
8°	2345.0	2268.7	2094.5	1988.8	1935.9
9°	2341.1	2243.2	2037.7	1908.5	1845.9
10°	2333.3	2217.8	1979.0	1826.3	1759.8
11°	2329.4	2188.4	1922.2	1748.0	1669.7
12°	2321.5	2157.1	1861.5	1665.8	1597.3
13°	2313.7	2123.8	1787.2	1595.3	1513.1
14°	2305.9	2088.6	1722.6	1517.0	1440.7
15°	2296.1	2051.4	1650.1	1442.6	1364.3
16°	2286.3	2008.4	1585.5	1366.3	1284.1
17°	2276.5	1967.2	1524.9	1295.8	1221.5
18°	2264.8	1926.1	1454.4	1227.3	1154.9
19°	2249.1	1879.2	1397.6	1164.7	1098.1
20°	2235.4	1836.1	1333.0	1106.0	1047.2
21°	2219.8	1783.2	1268.4	1051.2	992.4
22.5°	2196.3	1708.9	1186.2	982.6	927.8
23°	2184.5	1687.3	1152.9	957.2	910.2
24°	2168.9	1630.6	1098.1	918.0	871.1
25°	2145.4	1585.5	1051.2	882.8	845.6
26°	2123.8	1530.7	1004.2	851.5	814.3
27°	2102.3	1477.9	963.1	818.2	786.9
28°	2074.9	1423.1	918.0	790.8	763.4
29°	2045.5	1372.2	880.9	767.3	745.8
30°	2016.2	1315.4	849.5	745.8	728.2
32.5°	1934.0	1190.1	769.3	704.7	692.9
35°	1836.1	1072.7	712.5	667.5	663.6
37.5°	1726.5	965.0	661.6	638.1	642.0
40°	1597.3	867.2	618.6	616.6	624.4
42.5°	1460.3	783.0	585.3	599.0	610.7
45°	1319.3	706.6	552.0	581.4	597.0
47.5°	1172.5	640.1	522.6	559.8	577.5
50°	1023.8	575.5	491.3	534.4	552.0
52.5°	890.6	518.7	460.0	505.0	524.6
55°	757.5	463.9	426.7	473.7	489.4
57.5°	642.0	413.0	391.5	438.5	450.2
60°	534.4	364.1	356.3	399.3	413.0
62.5°	436.5	321.0	323.0	364.1	377.8
65°	356.3	279.9	293.6	330.8	342.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	289.7	240.8	264.3	303.4	313.2
70°	229.0	205.5	240.8	276.0	285.8
72.5°	182.0	174.2	217.3	254.5	262.3
75°	139.0	144.9	197.7	232.9	242.7
77.5°	99.8	121.4	178.1	215.3	223.2
80°	70.5	99.8	162.5	199.7	207.5
82.5°	45.0	82.2	146.8	186.0	193.8
85°	23.5	66.6	133.1	172.3	180.1
87.5°	9.8	54.8	119.4	158.6	166.4
90°	0.0	45.0	107.7	146.8	152.7
92.5°	0.0	39.1	97.9	135.1	140.9
95°	0.0	33.3	90.0	123.3	129.2
97.5°	0.0	31.3	80.3	113.5	119.4
100°	0.0	27.4	72.4	103.7	111.6
102.5°	0.0	25.4	66.6	94.0	101.8
105°	0.0	23.5	60.7	86.1	94.0
107.5°	0.0	21.5	56.8	80.3	86.1
110°	0.0	21.5	50.9	74.4	80.3
112.5°	2.0	19.6	47.0	66.6	72.4
115°	2.0	19.6	43.1	62.6	66.6
117.5°	2.0	19.6	41.1	56.8	60.7
120°	2.0	17.6	39.1	52.9	56.8
122.5°	2.0	17.6	37.2	48.9	50.9
125°	2.0	15.7	35.2	45.0	48.9
127.5°	2.0	15.7	33.3	43.1	45.0
130°	2.0	15.7	31.3	39.1	43.1
132.5°	2.0	13.7	29.4	37.2	39.1
135°	2.0	13.7	27.4	35.2	37.2
137.5°	2.0	11.7	25.4	33.3	35.2
140°	2.0	11.7	23.5	31.3	33.3
142.5°	2.0	9.8	21.5	29.4	31.3
145°	2.0	9.8	19.6	27.4	29.4
147.5°	2.0	9.8	17.6	25.4	27.4
150°	2.0	7.8	15.7	23.5	25.4
152.5°	2.0	7.8	13.7	21.5	23.5
155°	2.0	7.8	13.7	19.6	21.5
157.5°	2.0	5.9	11.7	15.7	19.6
160°	2.0	5.9	9.8	13.7	17.6
162.5°	2.0	5.9	9.8	11.7	13.7
165°	2.0	3.9	7.8	9.8	11.7
167.5°	2.0	3.9	5.9	7.8	9.8
170°	2.0	3.9	5.9	5.9	7.8
172.5°	2.0	3.9	3.9	3.9	3.9
175°	3.9	3.9	3.9	3.9	2.0
177.5°	3.9	3.9	3.9	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)