

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: P567751

Luminaire Tested: **8SNX-40SL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567751
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: 8SNX-40SL-LN-UNV-L935-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

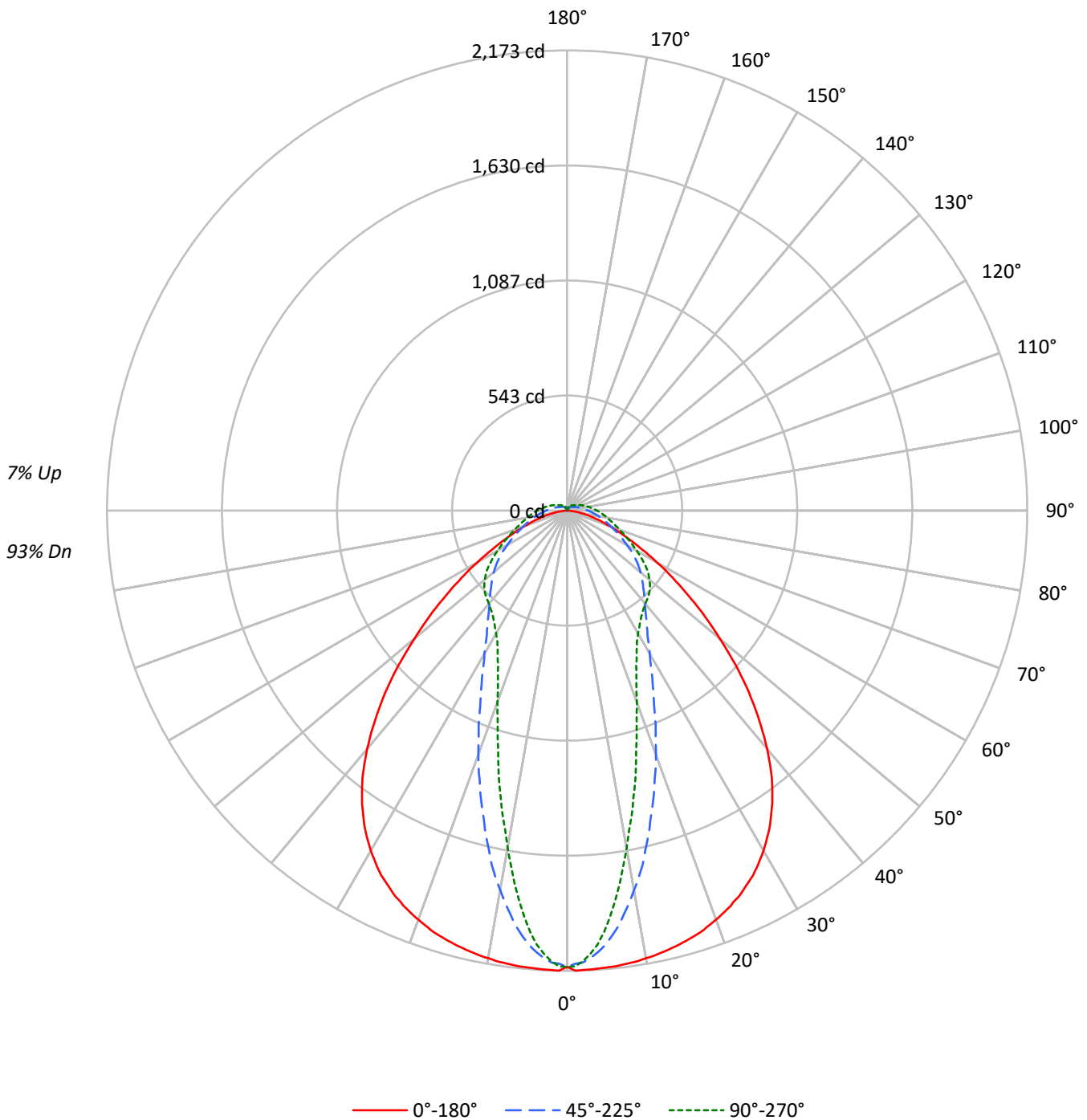
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3434.9 lumens
Efficiency: N/A
Efficacy: 141.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 24.2
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	68	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°	11598	11598	11598
5°	11679	10673	10201
10°	11684	9161	7914
15°	11701	7481	5932
20°	11686	5966	4439
25°	11604	4680	3523
30°	11386	3791	3005
35°	10935	3212	2734
40°	10143	2839	2587
45°	9047	2600	2508
50°	7692	2396	2369
55°	6348	2174	2163
60°	5106	1914	1897
65°	3993	1683	1651
70°	3135	1492	1460
75°	2466	1343	1331
80°	1796	1232	1237
85°	1077	1153	1186



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.8	5.6
10°-20°	447.3	13.0
20°-30°	531.0	15.5
30°-40°	534.2	15.6
40°-50°	496.6	14.5
50°-60°	408.9	11.9
60°-70°	288.1	8.4
70°-80°	188.2	5.5
80°-90°	120.2	3.5
90°-100°	78.8	2.3
100°-110°	53.5	1.6
110°-120°	36.7	1.1
120°-130°	25.4	0.7
130°-140°	17.1	0.5
140°-150°	10.5	0.3
150°-160°	5.5	0.2
160°-170°	2.0	0.1
170°-180°	0.3	0.0
0°-30°	1169.1	34.0
0°-40°	1703.3	49.6
0°-60°	2608.8	75.9
0°-90°	3205.2	93.3
90°-120°	169.0	4.9
90°-150°	221.9	6.5
90°-180°	230.0	6.7
0°-180°	3434.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2155	2155	2155	2155	2155	
5°	2166	2137	2060	2020	1998	206
15°	2112	1887	1518	1327	1255	596
25°	1973	1458	967	812	778	908
35°	1689	986	655	614	610	1050
45°	1213	650	508	535	549	931
55°	697	427	392	436	450	629
65°	328	257	270	304	315	332
75°	128	133	182	214	223	138
85°	22	61	122	158	166	27
90°	0	41	99	135	140	1
95°	0	31	83	113	119	0
105°	0	22	56	79	86	0
115°	2	18	40	58	61	2
125°	2	14	32	41	45	2
135°	2	13	25	32	34	1
145°	2	9	18	25	27	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2154.9	2154.9	2154.9	2154.9	2154.9
1°	2172.9	2163.9	2140.5	2156.7	2153.1
2°	2171.1	2162.1	2135.1	2142.3	2129.7
3°	2169.3	2156.7	2115.3	2113.5	2095.5
4°	2167.5	2147.7	2090.1	2068.5	2054.1
5°	2165.7	2136.9	2059.5	2019.9	1998.3
6°	2163.9	2124.3	2019.9	1960.5	1929.8
7°	2160.3	2104.5	1978.5	1897.4	1857.8
8°	2156.7	2086.5	1926.2	1829.0	1780.4
9°	2153.1	2063.1	1874.0	1755.2	1697.6
10°	2145.9	2039.7	1820.0	1679.6	1618.4
11°	2142.3	2012.7	1767.8	1607.6	1535.6
12°	2135.1	1983.9	1712.0	1532.0	1469.0
13°	2127.9	1953.3	1643.6	1467.2	1391.6
14°	2120.7	1920.8	1584.2	1395.2	1325.0
15°	2111.7	1886.6	1517.6	1326.8	1254.8
16°	2102.7	1847.0	1458.2	1256.6	1181.0
17°	2093.7	1809.2	1402.4	1191.8	1123.3
18°	2082.9	1771.4	1337.6	1128.7	1062.1
19°	2068.5	1728.2	1285.4	1071.1	1009.9
20°	2055.9	1688.6	1226.0	1017.1	963.1
21°	2041.5	1640.0	1166.6	966.7	912.7
22.5°	2019.9	1571.6	1090.9	903.7	853.3
23°	2009.1	1551.8	1060.3	880.3	837.1
24°	1994.7	1499.6	1009.9	844.3	801.1
25°	1973.1	1458.2	966.7	811.9	777.7
26°	1953.3	1407.8	923.5	783.1	748.9
27°	1933.4	1359.2	885.7	752.5	723.7
28°	1908.2	1308.8	844.3	727.3	702.1
29°	1881.2	1262.0	810.1	705.7	685.9
30°	1854.2	1209.8	781.3	685.9	669.7
32.5°	1778.6	1094.5	707.5	648.1	637.3
35°	1688.6	986.5	655.3	613.9	610.3
37.5°	1587.8	887.5	608.5	586.9	590.5
40°	1469.0	797.5	568.9	567.1	574.3
42.5°	1343.0	720.1	538.3	550.9	561.7
45°	1213.4	649.9	507.7	534.7	549.1
47.5°	1078.3	588.7	480.7	514.9	531.1
50°	941.5	529.3	451.9	491.5	507.7
52.5°	819.1	477.1	423.1	464.5	482.5
55°	696.7	426.7	392.5	435.7	450.1
57.5°	590.5	379.8	360.0	403.3	414.1
60°	491.5	334.8	327.6	367.2	379.8
62.5°	401.5	295.2	297.0	334.8	347.4
65°	327.6	257.4	270.0	304.2	315.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	266.4	221.4	243.0	279.0	288.0
70°	210.6	189.0	221.4	253.8	262.8
72.5°	167.4	160.2	199.8	234.0	241.2
75°	127.8	133.2	181.8	214.2	223.2
77.5°	91.8	111.6	163.8	198.0	205.2
80°	64.8	91.8	149.4	183.6	190.8
82.5°	41.4	75.6	135.0	171.0	178.2
85°	21.6	61.2	122.4	158.4	165.6
87.5°	9.0	50.4	109.8	145.8	153.0
90°	0.0	41.4	99.0	135.0	140.4
92.5°	0.0	36.0	90.0	124.2	129.6
95°	0.0	30.6	82.8	113.4	118.8
97.5°	0.0	28.8	73.8	104.4	109.8
100°	0.0	25.2	66.6	95.4	102.6
102.5°	0.0	23.4	61.2	86.4	93.6
105°	0.0	21.6	55.8	79.2	86.4
107.5°	0.0	19.8	52.2	73.8	79.2
110°	0.0	19.8	46.8	68.4	73.8
112.5°	1.8	18.0	43.2	61.2	66.6
115°	1.8	18.0	39.6	57.6	61.2
117.5°	1.8	18.0	37.8	52.2	55.8
120°	1.8	16.2	36.0	48.6	52.2
122.5°	1.8	16.2	34.2	45.0	46.8
125°	1.8	14.4	32.4	41.4	45.0
127.5°	1.8	14.4	30.6	39.6	41.4
130°	1.8	14.4	28.8	36.0	39.6
132.5°	1.8	12.6	27.0	34.2	36.0
135°	1.8	12.6	25.2	32.4	34.2
137.5°	1.8	10.8	23.4	30.6	32.4
140°	1.8	10.8	21.6	28.8	30.6
142.5°	1.8	9.0	19.8	27.0	28.8
145°	1.8	9.0	18.0	25.2	27.0
147.5°	1.8	9.0	16.2	23.4	25.2
150°	1.8	7.2	14.4	21.6	23.4
152.5°	1.8	7.2	12.6	19.8	21.6
155°	1.8	7.2	12.6	18.0	19.8
157.5°	1.8	5.4	10.8	14.4	18.0
160°	1.8	5.4	9.0	12.6	16.2
162.5°	1.8	5.4	9.0	10.8	12.6
165°	1.8	3.6	7.2	9.0	10.8
167.5°	1.8	3.6	5.4	7.2	9.0
170°	1.8	3.6	5.4	5.4	7.2
172.5°	1.8	3.6	3.6	3.6	3.6
175°	3.6	3.6	3.6	3.6	1.8
177.5°	3.6	3.6	3.6	1.8	1.8



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CANDELA DISTRIBUTION (continued):

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

(END OF REPORT)