

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: P567799

Luminaire Tested: **8SNX-44SL-LN-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567799
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-44SL-LN-UNV-L935-CD
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

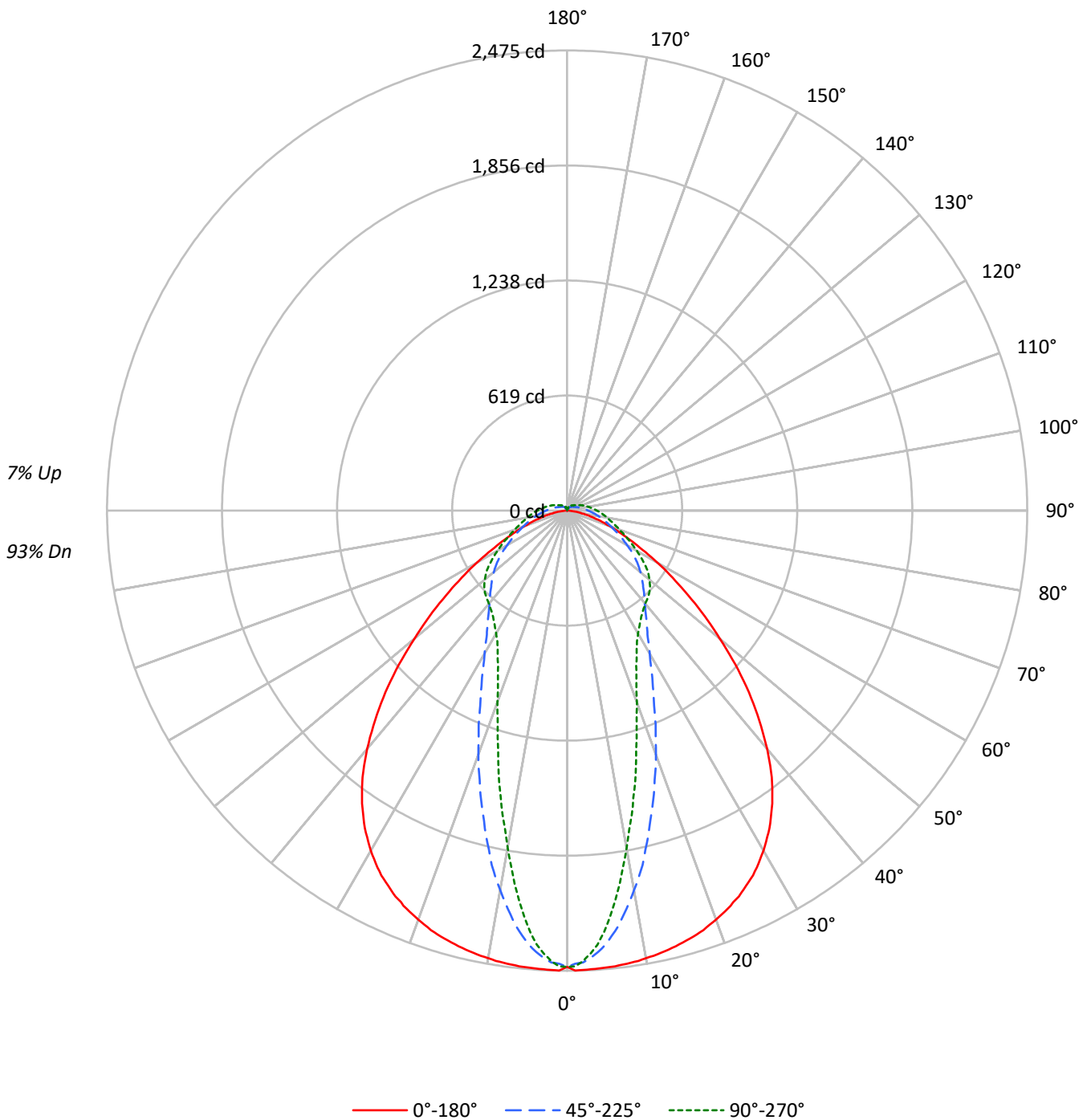
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3912.1 lumens
Efficiency: N/A
Efficacy: 141.7 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): 27.6
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°	13208	13208	13208
5°	13301	12155	11617
10°	13307	10433	9013
15°	13325	8520	6755
20°	13309	6794	5056
25°	13215	5330	4012
30°	12967	4318	3422
35°	12453	3658	3113
40°	11552	3233	2946
45°	10303	2961	2856
50°	8761	2728	2698
55°	7229	2475	2464
60°	5815	2180	2161
65°	4548	1917	1881
70°	3571	1699	1663
75°	2809	1530	1515
80°	2046	1404	1409
85°	1227	1313	1351



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.3	5.6
10°-20°	509.4	13.0
20°-30°	604.7	15.5
30°-40°	608.4	15.6
40°-50°	565.5	14.5
50°-60°	465.7	11.9
60°-70°	328.1	8.4
70°-80°	214.4	5.5
80°-90°	136.9	3.5
90°-100°	89.8	2.3
100°-110°	61.0	1.6
110°-120°	41.8	1.1
120°-130°	28.9	0.7
130°-140°	19.5	0.5
140°-150°	12.0	0.3
150°-160°	6.2	0.2
160°-170°	2.3	0.1
170°-180°	0.4	0.0
0°-30°	1331.4	34.0
0°-40°	1939.8	49.6
0°-60°	2971.0	75.9
0°-90°	3650.4	93.3
90°-120°	192.5	4.9
90°-150°	252.9	6.5
90°-180°	262.0	6.7
0°-180°	3912.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2454	2454	2454	2454	2454	
5°	2466	2434	2346	2300	2276	235
15°	2405	2149	1728	1511	1429	679
25°	2247	1661	1101	925	886	1034
35°	1923	1124	746	699	695	1196
45°	1382	740	578	609	625	1061
55°	793	486	447	496	513	717
65°	373	293	308	346	359	379
75°	146	152	207	244	254	157
85°	25	70	139	180	189	31
90°	0	47	113	154	160	1
95°	0	35	94	129	135	0
105°	0	25	64	90	98	0
115°	2	20	45	66	70	2
125°	2	16	37	47	51	2
135°	2	14	29	37	39	2
145°	2	10	20	29	31	1
155°	2	8	14	20	23	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°	2454.1	2454.1	2454.1	2454.1	2454.1
1°	2474.6	2464.4	2437.7	2456.2	2452.1
2°	2472.6	2462.3	2431.6	2439.8	2425.4
3°	2470.5	2456.2	2409.0	2407.0	2386.5
4°	2468.5	2445.9	2380.3	2355.7	2339.3
5°	2466.4	2433.6	2345.5	2300.3	2275.7
6°	2464.4	2419.3	2300.3	2232.7	2197.8
7°	2460.3	2396.7	2253.2	2160.9	2115.8
8°	2456.2	2376.2	2193.7	2083.0	2027.7
9°	2452.1	2349.6	2134.3	1999.0	1933.4
10°	2443.9	2322.9	2072.8	1912.9	1843.1
11°	2439.8	2292.1	2013.3	1830.8	1748.8
12°	2431.6	2259.3	1949.8	1744.7	1673.0
13°	2423.4	2224.5	1871.9	1670.9	1584.8
14°	2415.2	2187.6	1804.2	1588.9	1509.0
15°	2404.9	2148.6	1728.3	1511.0	1429.0
16°	2394.7	2103.5	1660.7	1431.1	1344.9
17°	2384.4	2060.5	1597.1	1357.2	1279.3
18°	2372.1	2017.4	1523.3	1285.5	1209.6
19°	2355.7	1968.2	1463.9	1219.9	1150.2
20°	2341.4	1923.1	1396.2	1158.4	1096.9
21°	2325.0	1867.8	1328.5	1101.0	1039.5
22.5°	2300.3	1789.8	1242.4	1029.2	971.8
23°	2288.0	1767.3	1207.6	1002.6	953.4
24°	2271.6	1707.8	1150.2	961.6	912.3
25°	2247.0	1660.7	1101.0	924.6	885.7
26°	2224.5	1603.3	1051.8	891.8	852.9
27°	2201.9	1547.9	1008.7	857.0	824.2
28°	2173.2	1490.5	961.6	828.3	799.6
29°	2142.5	1437.2	922.6	803.7	781.1
30°	2111.7	1377.7	889.8	781.1	762.7
32.5°	2025.6	1246.5	805.7	738.1	725.8
35°	1923.1	1123.5	746.3	699.1	695.0
37.5°	1808.3	1010.8	693.0	668.4	672.5
40°	1673.0	908.2	647.9	645.8	654.0
42.5°	1529.5	820.1	613.0	627.4	639.7
45°	1381.8	740.1	578.2	608.9	625.3
47.5°	1228.1	670.4	547.4	586.4	604.8
50°	1072.3	602.8	514.6	559.7	578.2
52.5°	932.9	543.3	481.8	529.0	549.5
55°	793.4	485.9	446.9	496.2	512.6
57.5°	672.5	432.6	410.0	459.2	471.6
60°	559.7	381.3	373.1	418.2	432.6
62.5°	457.2	336.2	338.3	381.3	395.7
65°	373.1	293.2	307.5	346.5	358.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	303.4	252.2	276.8	317.8	328.0
70°	239.9	215.3	252.2	289.1	299.3
72.5°	190.7	182.5	227.6	266.5	274.7
75°	145.6	151.7	207.1	244.0	254.2
77.5°	104.6	127.1	186.6	225.5	233.7
80°	73.8	104.6	170.2	209.1	217.3
82.5°	47.2	86.1	153.8	194.8	203.0
85°	24.6	69.7	139.4	180.4	188.6
87.5°	10.3	57.4	125.1	166.1	174.3
90°	0.0	47.2	112.8	153.8	159.9
92.5°	0.0	41.0	102.5	141.5	147.6
95°	0.0	34.9	94.3	129.2	135.3
97.5°	0.0	32.8	84.1	118.9	125.1
100°	0.0	28.7	75.9	108.7	116.9
102.5°	0.0	26.7	69.7	98.4	106.6
105°	0.0	24.6	63.6	90.2	98.4
107.5°	0.0	22.6	59.5	84.1	90.2
110°	0.0	22.6	53.3	77.9	84.1
112.5°	2.1	20.5	49.2	69.7	75.9
115°	2.1	20.5	45.1	65.6	69.7
117.5°	2.1	20.5	43.1	59.5	63.6
120°	2.1	18.5	41.0	55.4	59.5
122.5°	2.1	18.5	39.0	51.3	53.3
125°	2.1	16.4	36.9	47.2	51.3
127.5°	2.1	16.4	34.9	45.1	47.2
130°	2.1	16.4	32.8	41.0	45.1
132.5°	2.1	14.4	30.8	39.0	41.0
135°	2.1	14.4	28.7	36.9	39.0
137.5°	2.1	12.3	26.7	34.9	36.9
140°	2.1	12.3	24.6	32.8	34.9
142.5°	2.1	10.3	22.6	30.8	32.8
145°	2.1	10.3	20.5	28.7	30.8
147.5°	2.1	10.3	18.5	26.7	28.7
150°	2.1	8.2	16.4	24.6	26.7
152.5°	2.1	8.2	14.4	22.6	24.6
155°	2.1	8.2	14.4	20.5	22.6
157.5°	2.1	6.2	12.3	16.4	20.5
160°	2.1	6.2	10.3	14.4	18.5
162.5°	2.1	6.2	10.3	12.3	14.4
165°	2.1	4.1	8.2	10.3	12.3
167.5°	2.1	4.1	6.2	8.2	10.3
170°	2.1	4.1	6.2	6.2	8.2
172.5°	2.1	4.1	4.1	4.1	4.1
175°	4.1	4.1	4.1	4.1	2.1
177.5°	4.1	4.1	4.1	2.1	2.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)