

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: P568120

Luminaire Tested: **8SNX-96SL-FDL-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568120
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-96SL-FDL-UNV-L940-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

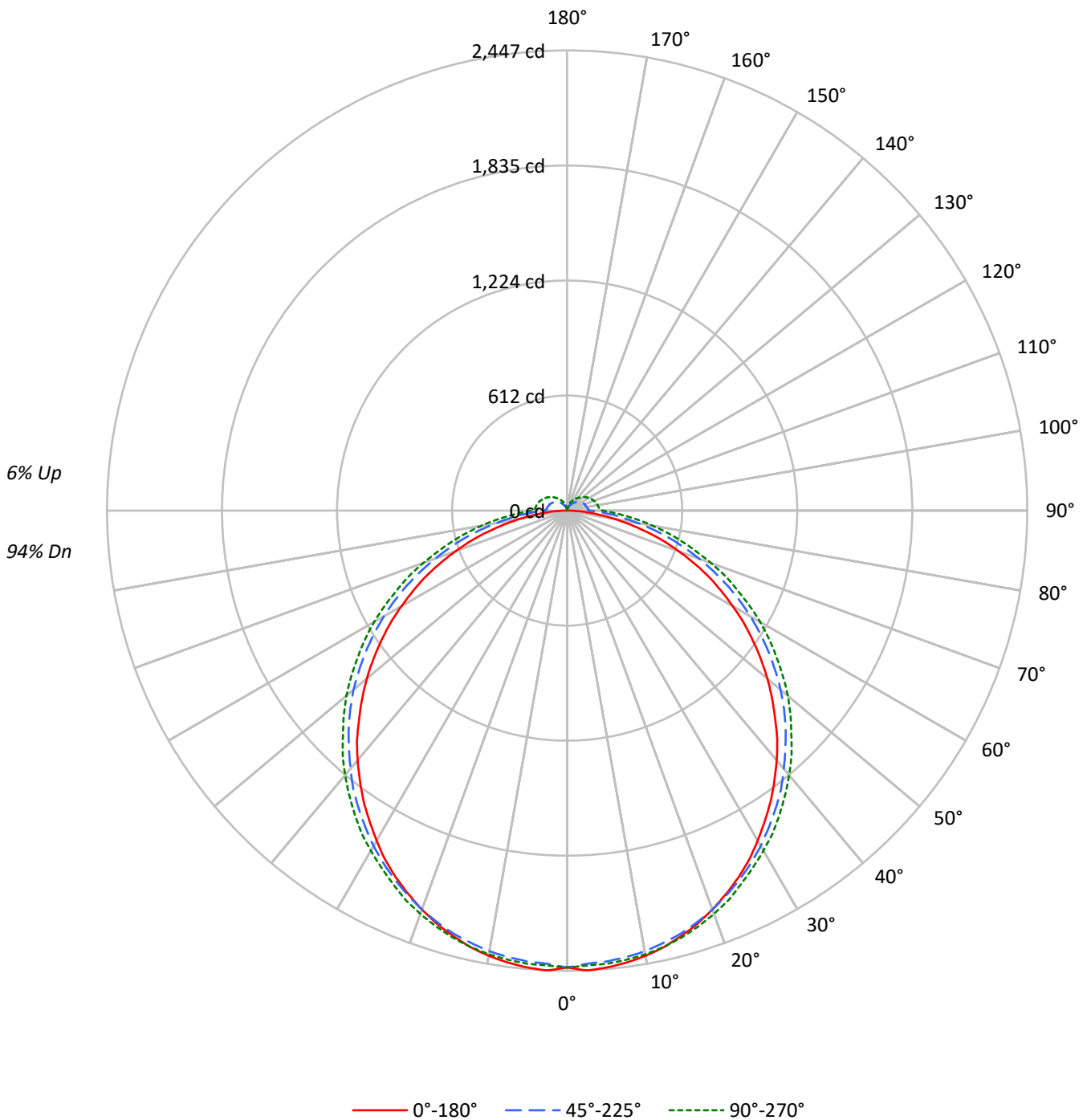
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7721.0 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

Input Watts (W): 64.2
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	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13077	13077	13077
5°	13172	12864	12879
10°	13124	12729	12718
15°	13032	12572	12536
20°	12904	12381	12322
25°	12757	12171	12069
30°	12555	11957	11836
35°	12352	11706	11592
40°	12127	11428	11318
45°	11844	11154	10999
50°	11571	10839	10706
55°	11232	10451	10301
60°	10852	10006	9901
65°	10452	9476	9351
70°	9757	8806	8780
75°	8924	8020	8098
80°	7698	6974	7342
85°	6213	6079	6451



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.4	3.0
10°-20°	661.2	8.6
20°-30°	1002.0	13.0
30°-40°	1209.6	15.7
40°-50°	1263.1	16.4
50°-60°	1160.4	15.0
60°-70°	917.7	11.9
70°-80°	580.8	7.5
80°-90°	249.6	3.2
90°-100°	109.9	1.4
100°-110°	98.3	1.3
110°-120°	83.1	1.1
120°-130°	64.7	0.8
130°-140°	44.8	0.6
140°-150°	26.9	0.3
150°-160°	13.1	0.2
160°-170°	4.5	0.1
170°-180°	0.7	0.0
0°-30°	1893.6	24.5
0°-40°	3103.2	40.2
0°-60°	5526.8	71.6
0°-90°	7274.9	94.2
90°-120°	291.3	3.8
90°-150°	427.7	5.5
90°-180°	446.0	5.8
0°-180°	7721.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2430	2430	2430	2430	2430	
5°	2439	2432	2406	2427	2419	232
15°	2342	2342	2330	2354	2350	661
25°	2154	2163	2166	2194	2190	992
35°	1887	1909	1933	1963	1970	1180
45°	1564	1602	1644	1675	1686	1208
55°	1206	1255	1307	1350	1359	1079
65°	830	876	938	982	997	817
75°	438	490	561	608	632	464
85°	107	164	235	286	304	118
90°	7	59	120	168	186	9
95°	1	51	109	153	170	1
105°	1	46	102	144	159	1
115°	1	40	93	130	144	2
125°	3	36	78	112	124	2
135°	3	27	63	89	100	2
145°	3	20	44	67	74	2
155°	3	14	29	42	51	1
165°	4	10	15	20	29	1
175°	4	6	7	7	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2429.7	2429.7	2429.7	2429.7	2429.7
2.5°	2447.4	2439.2	2411.9	2431.0	2421.4
5°	2439.2	2432.4	2406.4	2426.9	2418.7
7.5°	2424.2	2418.7	2395.5	2417.3	2409.1
10°	2403.7	2399.6	2379.1	2400.9	2395.5
12.5°	2377.7	2376.3	2355.8	2380.4	2376.3
15°	2342.1	2342.1	2329.8	2354.5	2350.4
17.5°	2303.9	2305.2	2295.7	2321.6	2318.9
20°	2257.4	2264.2	2257.4	2284.7	2282.0
22.5°	2206.8	2216.4	2213.6	2241.0	2242.3
25°	2153.5	2163.0	2165.8	2194.5	2190.4
27.5°	2094.7	2109.7	2115.2	2141.2	2139.8
30°	2026.3	2046.8	2059.1	2081.0	2087.8
32.5°	1956.6	1981.2	1996.2	2026.3	2034.5
35°	1886.8	1908.7	1933.3	1963.4	1970.2
37.5°	1810.3	1834.9	1867.7	1896.4	1904.6
40°	1733.7	1761.1	1792.5	1823.9	1836.3
42.5°	1654.4	1683.1	1717.3	1754.2	1766.5
45°	1564.2	1602.5	1643.5	1674.9	1685.9
47.5°	1478.0	1520.4	1564.2	1598.3	1610.7
50°	1390.5	1435.6	1482.1	1513.6	1532.7
52.5°	1298.9	1348.1	1394.6	1434.3	1446.6
55°	1205.9	1255.2	1307.1	1349.5	1359.1
57.5°	1115.7	1163.6	1215.5	1255.2	1274.3
60°	1017.3	1069.2	1125.3	1164.9	1185.4
62.5°	921.5	972.1	1032.3	1074.7	1091.1
65°	829.9	876.4	938.0	981.7	996.7
67.5°	728.8	782.1	840.9	891.5	910.6
70°	628.9	679.5	746.5	794.4	813.5
72.5°	536.0	585.2	652.2	700.0	717.8
75°	437.5	489.5	560.6	608.4	631.7
77.5°	343.2	400.6	469.0	520.9	546.9
80°	255.7	306.3	380.1	437.5	460.8
82.5°	173.6	228.3	304.9	358.2	384.2
85°	106.6	164.1	235.2	285.8	303.5
87.5°	50.6	105.3	170.9	220.1	242.0
90°	6.8	58.8	120.3	168.2	185.9
92.5°	1.4	50.6	110.7	155.9	172.3
95°	1.4	50.6	109.4	153.1	169.5
97.5°	1.4	49.2	108.0	151.8	166.8
100°	1.4	47.9	106.6	149.0	165.4
102.5°	1.4	47.9	103.9	146.3	161.3
105°	1.4	46.5	102.5	143.6	158.6
107.5°	1.4	45.1	99.8	140.8	155.9
110°	1.4	42.4	98.4	136.7	151.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	41.0	95.7	134.0	147.7
115°	1.4	39.7	93.0	129.9	143.6
117.5°	1.4	38.3	88.9	125.8	139.5
120°	2.7	38.3	86.1	121.7	134.0
122.5°	2.7	36.9	82.0	116.2	128.5
125°	2.7	35.5	77.9	112.1	124.4
127.5°	2.7	34.2	73.8	106.6	117.6
130°	2.7	31.4	71.1	101.2	112.1
132.5°	2.7	30.1	67.0	94.3	105.3
135°	2.7	27.3	62.9	88.9	99.8
137.5°	2.7	26.0	58.8	83.4	93.0
140°	2.7	24.6	53.3	77.9	87.5
142.5°	2.7	21.9	49.2	72.5	80.7
145°	2.7	20.5	43.8	67.0	73.8
147.5°	2.7	17.8	39.7	61.5	68.4
150°	2.7	16.4	35.5	56.1	62.9
152.5°	2.7	15.0	31.4	49.2	56.1
155°	2.7	13.7	28.7	42.4	50.6
157.5°	2.7	12.3	24.6	36.9	45.1
160°	4.1	10.9	21.9	31.4	38.3
162.5°	4.1	9.6	17.8	26.0	34.2
165°	4.1	9.6	15.0	20.5	28.7
167.5°	4.1	8.2	12.3	16.4	23.2
170°	4.1	6.8	10.9	12.3	17.8
172.5°	4.1	5.5	8.2	8.2	9.6
175°	4.1	5.5	6.8	6.8	4.1
177.5°	4.1	4.1	4.1	4.1	2.7
180°	4.1	4.1	4.1	4.1	4.1

(END OF REPORT)