

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: P568119

Luminaire Tested: **8SNX-96SL-FDL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568119
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-L935-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

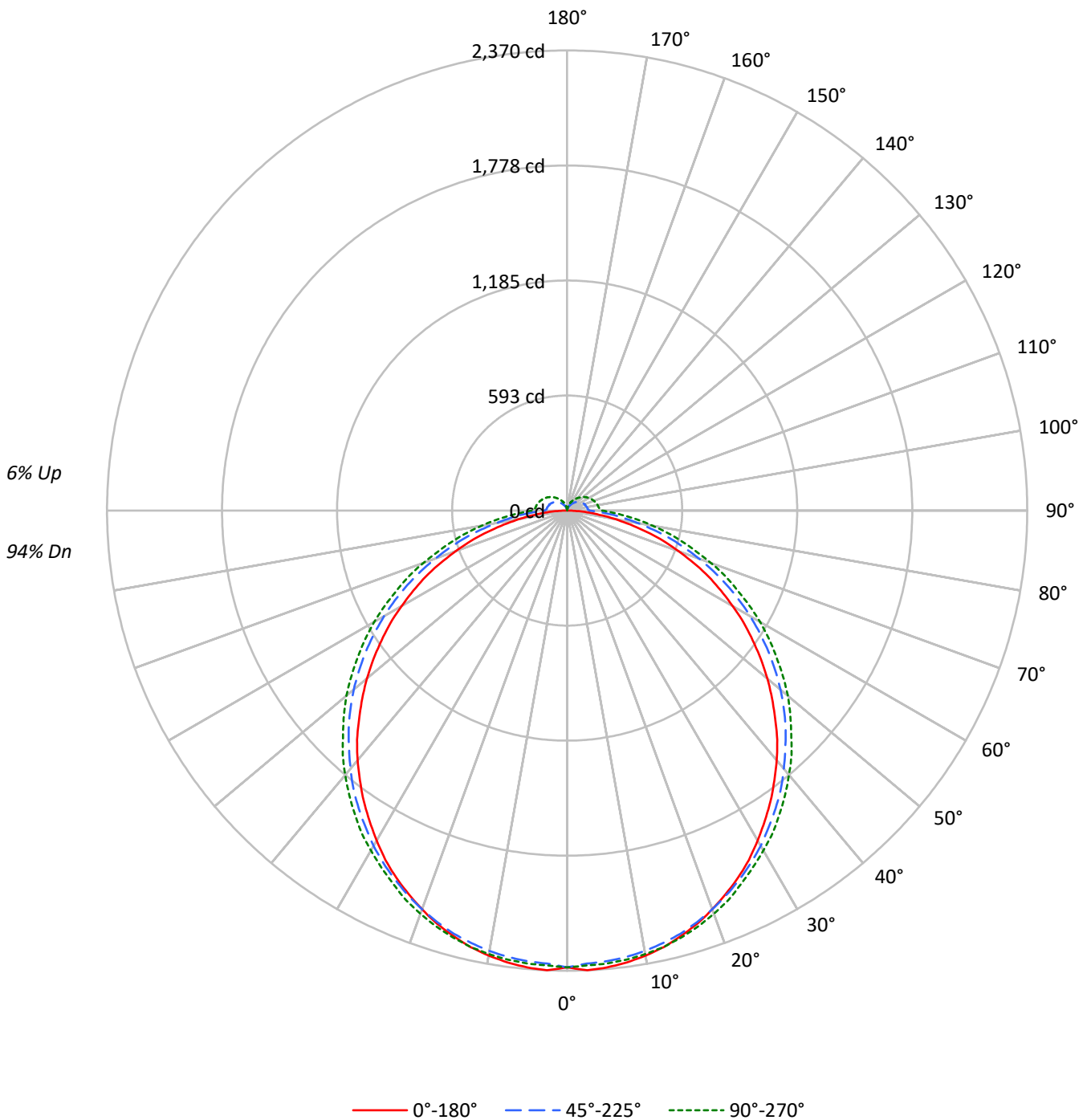
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7476.0 lumens
Efficiency: N/A
Efficacy: 116.4 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 (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	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°	12662	12662	12662
5°	12754	12456	12471
10°	12708	12325	12314
15°	12618	12173	12138
20°	12495	11988	11931
25°	12352	11785	11686
30°	12156	11578	11461
35°	11960	11335	11224
40°	11743	11065	10959
45°	11467	10799	10650
50°	11204	10496	10367
55°	10876	10119	9973
60°	10508	9689	9587
65°	10121	9175	9054
70°	9448	8527	8502
75°	8641	7765	7841
80°	7454	6752	7109
85°	6020	5885	6247



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.1	3.0
10°-20°	640.2	8.6
20°-30°	970.2	13.0
30°-40°	1171.2	15.7
40°-50°	1223.1	16.4
50°-60°	1123.6	15.0
60°-70°	888.5	11.9
70°-80°	562.3	7.5
80°-90°	241.7	3.2
90°-100°	106.4	1.4
100°-110°	95.2	1.3
110°-120°	80.4	1.1
120°-130°	62.7	0.8
130°-140°	43.4	0.6
140°-150°	26.0	0.3
150°-160°	12.7	0.2
160°-170°	4.4	0.1
170°-180°	0.6	0.0
0°-30°	1833.5	24.5
0°-40°	3004.8	40.2
0°-60°	5351.5	71.6
0°-90°	7044.1	94.2
90°-120°	282.0	3.8
90°-150°	414.2	5.5
90°-180°	432.0	5.8
0°-180°	7476.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2353	2353	2353	2353	2353	
5°	2362	2355	2330	2350	2342	224
15°	2268	2268	2256	2280	2276	640
25°	2085	2094	2097	2125	2121	960
35°	1827	1848	1872	1901	1908	1142
45°	1514	1552	1591	1622	1632	1170
55°	1168	1215	1266	1307	1316	1045
65°	804	849	908	951	965	791
75°	424	474	543	589	612	449
85°	103	159	228	277	294	114
90°	7	57	116	163	180	9
95°	1	49	106	148	164	1
105°	1	45	99	139	154	1
115°	1	38	90	126	139	1
125°	3	34	76	109	120	2
135°	3	26	61	86	97	2
145°	3	20	42	65	72	2
155°	3	13	28	41	49	1
165°	4	9	15	20	28	1
175°	4	5	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°	2352.6	2352.6	2352.6	2352.6	2352.6
2.5°	2369.8	2361.8	2335.3	2353.9	2344.6
5°	2361.8	2355.2	2330.1	2349.9	2342.0
7.5°	2347.3	2342.0	2319.5	2340.6	2332.7
10°	2327.4	2323.4	2303.6	2324.8	2319.5
12.5°	2302.2	2300.9	2281.1	2304.9	2300.9
15°	2267.8	2267.8	2255.9	2279.7	2275.8
17.5°	2230.8	2232.1	2222.8	2248.0	2245.3
20°	2185.7	2192.4	2185.7	2212.2	2209.6
22.5°	2136.8	2146.0	2143.4	2169.9	2171.2
25°	2085.1	2094.4	2097.0	2124.8	2120.9
27.5°	2028.2	2042.8	2048.1	2073.2	2071.9
30°	1962.0	1981.9	1993.8	2015.0	2021.6
32.5°	1894.5	1918.3	1932.9	1962.0	1970.0
35°	1827.0	1848.2	1872.0	1901.1	1907.7
37.5°	1752.8	1776.7	1808.4	1836.2	1844.2
40°	1678.7	1705.2	1735.6	1766.1	1778.0
42.5°	1601.9	1629.7	1662.8	1698.6	1710.5
45°	1514.5	1551.6	1591.3	1621.8	1632.4
47.5°	1431.1	1472.2	1514.5	1547.6	1559.5
50°	1346.4	1390.1	1435.1	1465.5	1484.1
52.5°	1257.7	1305.4	1350.4	1388.8	1400.7
55°	1167.7	1215.3	1265.6	1306.7	1315.9
57.5°	1080.3	1126.6	1176.9	1215.3	1233.9
60°	985.0	1035.3	1089.6	1128.0	1147.8
62.5°	892.3	941.3	999.5	1040.6	1056.5
65°	803.6	848.6	908.2	950.6	965.1
67.5°	705.6	757.3	814.2	863.2	881.7
70°	609.0	658.0	722.8	769.2	787.7
72.5°	519.0	566.6	631.5	677.8	695.0
75°	423.6	474.0	542.8	589.1	611.6
77.5°	332.3	387.9	454.1	504.4	529.6
80°	247.6	296.6	368.0	423.6	446.2
82.5°	168.1	221.1	295.2	346.9	372.0
85°	103.3	158.9	227.7	276.7	293.9
87.5°	49.0	101.9	165.5	213.1	234.3
90°	6.6	56.9	116.5	162.8	180.0
92.5°	1.3	49.0	107.2	150.9	166.8
95°	1.3	49.0	105.9	148.3	164.2
97.5°	1.3	47.7	104.6	147.0	161.5
100°	1.3	46.3	103.3	144.3	160.2
102.5°	1.3	46.3	100.6	141.7	156.2
105°	1.3	45.0	99.3	139.0	153.6
107.5°	1.3	43.7	96.6	136.4	150.9
110°	1.3	41.0	95.3	132.4	147.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.3	39.7	92.7	129.7	143.0
115°	1.3	38.4	90.0	125.8	139.0
117.5°	1.3	37.1	86.1	121.8	135.0
120°	2.6	37.1	83.4	117.8	129.7
122.5°	2.6	35.7	79.4	112.5	124.4
125°	2.6	34.4	75.5	108.6	120.5
127.5°	2.6	33.1	71.5	103.3	113.9
130°	2.6	30.4	68.8	98.0	108.6
132.5°	2.6	29.1	64.9	91.3	101.9
135°	2.6	26.5	60.9	86.1	96.6
137.5°	2.6	25.2	56.9	80.8	90.0
140°	2.6	23.8	51.6	75.5	84.7
142.5°	2.6	21.2	47.7	70.2	78.1
145°	2.6	19.9	42.4	64.9	71.5
147.5°	2.6	17.2	38.4	59.6	66.2
150°	2.6	15.9	34.4	54.3	60.9
152.5°	2.6	14.6	30.4	47.7	54.3
155°	2.6	13.2	27.8	41.0	49.0
157.5°	2.6	11.9	23.8	35.7	43.7
160°	4.0	10.6	21.2	30.4	37.1
162.5°	4.0	9.3	17.2	25.2	33.1
165°	4.0	9.3	14.6	19.9	27.8
167.5°	4.0	7.9	11.9	15.9	22.5
170°	4.0	6.6	10.6	11.9	17.2
172.5°	4.0	5.3	7.9	7.9	9.3
175°	4.0	5.3	6.6	6.6	4.0
177.5°	4.0	4.0	4.0	4.0	2.6
180°	4.0	4.0	4.0	4.0	4.0

(END OF REPORT)