

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: P567158

Luminaire Tested: **8SNX-102SL-FDL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567158
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-102SL-FDL-UNV-L930-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

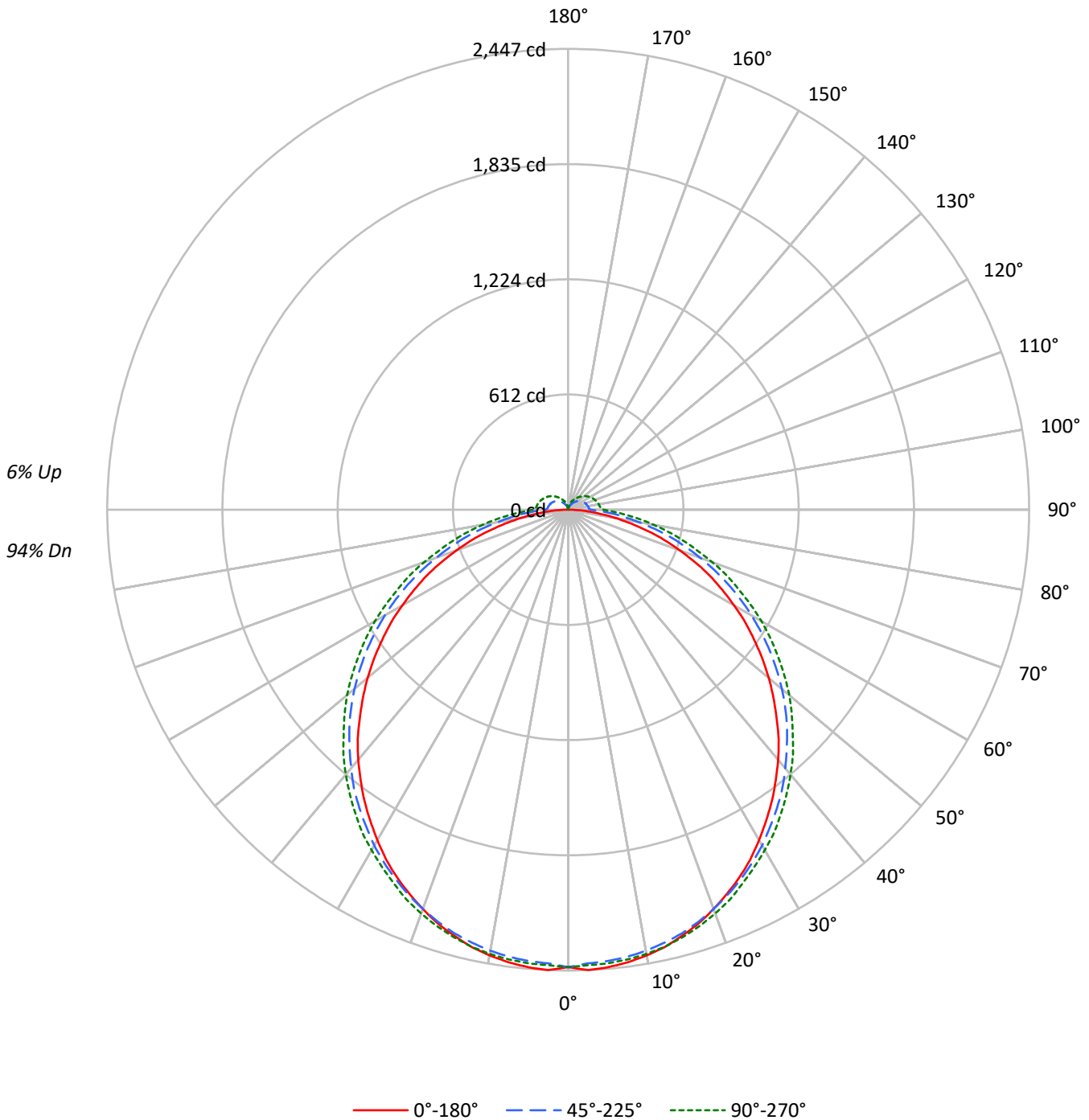
Lumens per Lamp: N/A
Luminaire Lumens: 7719.0 lumens
Efficiency: N/A
Efficacy: 110.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

Input Watts (W): 70
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°	13073	13073	13073
5°	13169	12861	12876
10°	13121	12725	12714
15°	13028	12569	12532
20°	12901	12378	12319
25°	12754	12168	12066
30°	12552	11954	11833
35°	12349	11703	11589
40°	12125	11425	11315
45°	11841	11150	10995
50°	11568	10836	10704
55°	11229	10448	10298
60°	10849	10004	9899
65°	10449	9473	9349
70°	9755	8804	8778
75°	8922	8017	8096
80°	7695	6972	7340
85°	6213	6076	6451



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.4	3.0
10°-20°	661.0	8.6
20°-30°	1001.8	13.0
30°-40°	1209.3	15.7
40°-50°	1262.8	16.4
50°-60°	1160.1	15.0
60°-70°	917.4	11.9
70°-80°	580.6	7.5
80°-90°	249.6	3.2
90°-100°	109.8	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°	1893.1	24.5
0°-40°	3102.4	40.2
0°-60°	5525.4	71.6
0°-90°	7273.0	94.2
90°-120°	291.2	3.8
90°-150°	427.7	5.5
90°-180°	446.0	5.8
0°-180°	7719.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2429	2429	2429	2429	2429	
5°	2439	2432	2406	2426	2418	232
15°	2342	2342	2329	2354	2350	661
25°	2153	2162	2165	2194	2190	991
35°	1886	1908	1933	1963	1970	1179
45°	1564	1602	1643	1674	1685	1208
55°	1206	1255	1307	1349	1359	1079
65°	830	876	938	982	996	817
75°	437	489	560	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°	2429.0	2429.0	2429.0	2429.0	2429.0
2.5°	2446.8	2438.6	2411.3	2430.4	2420.8
5°	2438.6	2431.8	2405.8	2426.3	2418.1
7.5°	2423.6	2418.1	2394.9	2416.7	2408.5
10°	2403.1	2399.0	2378.4	2400.3	2394.9
12.5°	2377.1	2375.7	2355.2	2379.8	2375.7
15°	2341.5	2341.5	2329.2	2353.8	2349.7
17.5°	2303.3	2304.6	2295.1	2321.0	2318.3
20°	2256.8	2263.6	2256.8	2284.1	2281.4
22.5°	2206.2	2215.8	2213.1	2240.4	2241.8
25°	2152.9	2162.5	2165.2	2193.9	2189.8
27.5°	2094.1	2109.2	2114.6	2140.6	2139.2
30°	2025.8	2046.3	2058.6	2080.5	2087.3
32.5°	1956.1	1980.7	1995.7	2025.8	2034.0
35°	1886.4	1908.2	1932.8	1962.9	1969.7
37.5°	1809.8	1834.4	1867.2	1895.9	1904.1
40°	1733.3	1760.6	1792.0	1823.5	1835.8
42.5°	1654.0	1682.7	1716.9	1753.8	1766.1
45°	1563.8	1602.0	1643.0	1674.5	1685.4
47.5°	1477.6	1520.0	1563.8	1597.9	1610.2
50°	1390.2	1435.3	1481.7	1513.2	1532.3
52.5°	1298.6	1347.8	1394.3	1433.9	1446.2
55°	1205.6	1254.8	1306.8	1349.2	1358.7
57.5°	1115.4	1163.3	1215.2	1254.8	1274.0
60°	1017.0	1068.9	1125.0	1164.6	1185.1
62.5°	921.3	971.9	1032.0	1074.4	1090.8
65°	829.7	876.2	937.7	981.5	996.5
67.5°	728.6	781.9	840.7	891.2	910.4
70°	628.8	679.4	746.3	794.2	813.3
72.5°	535.8	585.0	652.0	699.9	717.6
75°	437.4	489.4	560.4	608.3	631.5
77.5°	343.1	400.5	468.9	520.8	546.8
80°	255.6	306.2	380.0	437.4	460.7
82.5°	173.6	228.3	304.8	358.1	384.1
85°	106.6	164.0	235.1	285.7	303.5
87.5°	50.6	105.3	170.9	220.1	241.9
90°	6.8	58.8	120.3	168.1	185.9
92.5°	1.4	50.6	110.7	155.8	172.2
95°	1.4	50.6	109.4	153.1	169.5
97.5°	1.4	49.2	108.0	151.7	166.8
100°	1.4	47.8	106.6	149.0	165.4
102.5°	1.4	47.8	103.9	146.3	161.3
105°	1.4	46.5	102.5	143.5	158.6
107.5°	1.4	45.1	99.8	140.8	155.8
110°	1.4	42.4	98.4	136.7	151.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	41.0	95.7	134.0	147.6
115°	1.4	39.6	93.0	129.9	143.5
117.5°	1.4	38.3	88.9	125.8	139.4
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	72.4	80.6
145°	2.7	20.5	43.7	67.0	73.8
147.5°	2.7	17.8	39.6	61.5	68.3
150°	2.7	16.4	35.5	56.0	62.9
152.5°	2.7	15.0	31.4	49.2	56.0
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)