

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: P568071

Luminaire Tested: **8SNX-90SL-FDL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568071
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-90SL-FDL-UNV-L935-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

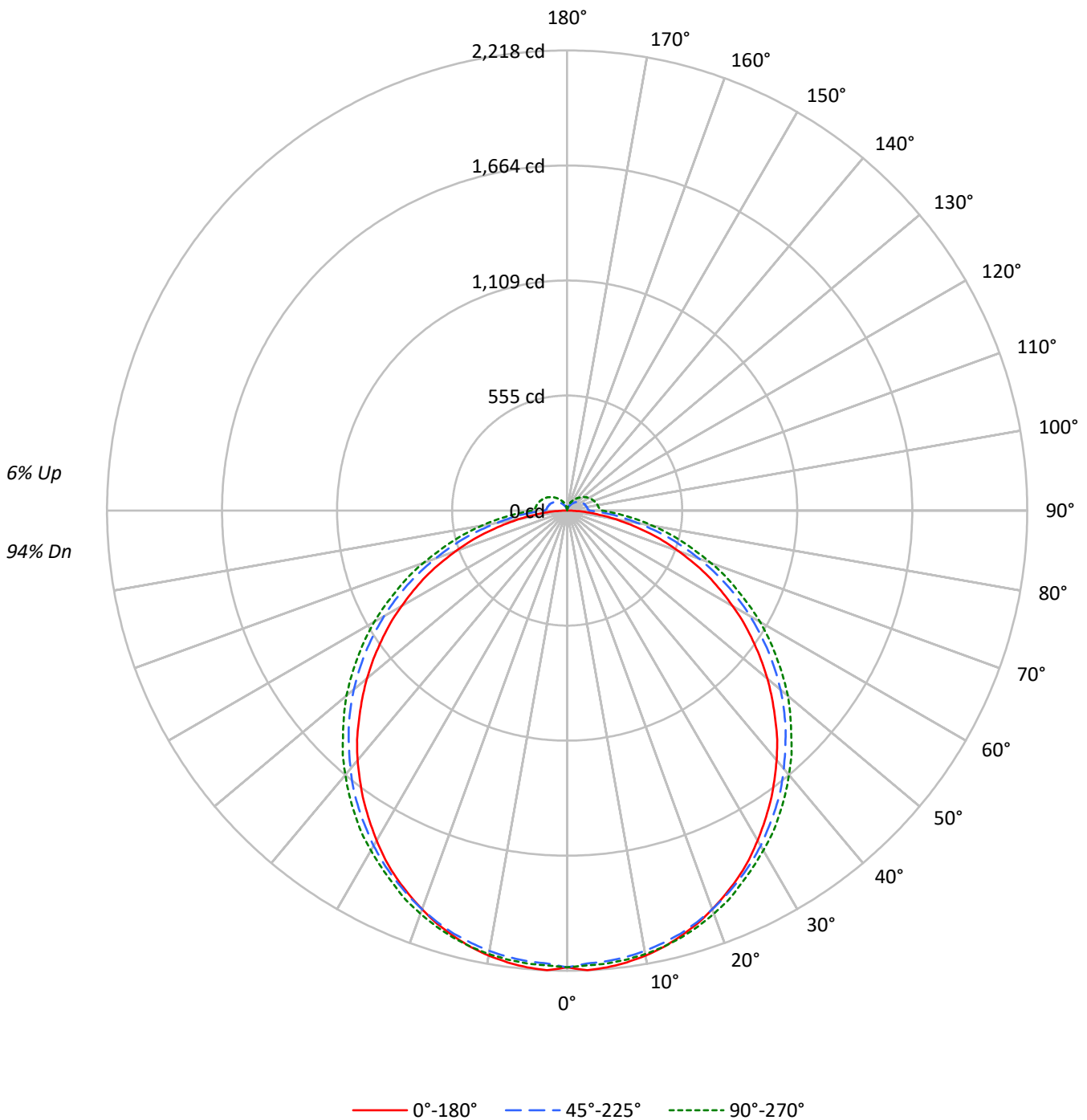
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6996.0 lumens
Efficiency: N/A
Efficacy: 117.4 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): 59.6
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°	11848	11848	11848
5°	11935	11656	11670
10°	11892	11534	11523
15°	11808	11392	11359
20°	11693	11218	11165
25°	11559	11028	10936
30°	11376	10835	10725
35°	11192	10607	10503
40°	10989	10355	10255
45°	10732	10106	9966
50°	10485	9822	9701
55°	10177	9470	9334
60°	9832	9066	8972
65°	9471	8586	8473
70°	8841	7979	7956
75°	8086	7266	7338
80°	6975	6319	6652
85°	5630	5508	5846



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	208.8	3.0
10°-20°	599.1	8.6
20°-30°	907.9	13.0
30°-40°	1096.0	15.7
40°-50°	1144.5	16.4
50°-60°	1051.5	15.0
60°-70°	831.5	11.9
70°-80°	526.2	7.5
80°-90°	226.2	3.2
90°-100°	99.5	1.4
100°-110°	89.1	1.3
110°-120°	75.3	1.1
120°-130°	58.7	0.8
130°-140°	40.6	0.6
140°-150°	24.4	0.3
150°-160°	11.9	0.2
160°-170°	4.1	0.1
170°-180°	0.6	0.0
0°-30°	1715.8	24.5
0°-40°	2811.9	40.2
0°-60°	5007.9	71.6
0°-90°	6591.8	94.2
90°-120°	263.9	3.8
90°-150°	387.6	5.5
90°-180°	404.0	5.8
0°-180°	6996.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2202	2202	2202	2202	2202	
5°	2210	2204	2180	2199	2192	210
15°	2122	2122	2111	2133	2130	599
25°	1951	1960	1962	1988	1985	899
35°	1710	1730	1752	1779	1785	1069
45°	1417	1452	1489	1518	1528	1095
55°	1093	1137	1184	1223	1232	978
65°	752	794	850	890	903	741
75°	396	444	508	551	572	420
85°	97	149	213	259	275	107
90°	6	53	109	152	168	8
95°	1	46	99	139	154	1
105°	1	42	93	130	144	1
115°	1	36	84	118	130	1
125°	2	32	71	102	113	2
135°	2	25	57	80	90	2
145°	2	19	40	61	67	2
155°	2	12	26	38	46	1
165°	4	9	14	19	26	1
175°	4	5	6	6	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2201.5	2201.5	2201.5	2201.5	2201.5
2.5°	2217.6	2210.2	2185.4	2202.7	2194.1
5°	2210.2	2204.0	2180.4	2199.0	2191.6
7.5°	2196.6	2191.6	2170.5	2190.4	2182.9
10°	2178.0	2174.3	2155.7	2175.5	2170.5
12.5°	2154.4	2153.2	2134.6	2156.9	2153.2
15°	2122.2	2122.2	2111.1	2133.4	2129.7
17.5°	2087.5	2088.8	2080.1	2103.6	2101.2
20°	2045.4	2051.6	2045.4	2070.2	2067.7
22.5°	1999.6	2008.2	2005.8	2030.5	2031.8
25°	1951.3	1959.9	1962.4	1988.4	1984.7
27.5°	1898.0	1911.6	1916.6	1940.1	1938.9
30°	1836.0	1854.6	1865.8	1885.6	1891.8
32.5°	1772.9	1795.2	1808.8	1836.0	1843.5
35°	1709.7	1729.5	1751.8	1779.0	1785.2
37.5°	1640.3	1662.6	1692.3	1718.3	1725.8
40°	1570.9	1595.7	1624.2	1652.7	1663.8
42.5°	1499.1	1525.1	1556.0	1589.5	1600.6
45°	1417.3	1452.0	1489.1	1517.6	1527.6
47.5°	1339.2	1377.6	1417.3	1448.3	1459.4
50°	1260.0	1300.8	1343.0	1371.5	1388.8
52.5°	1176.9	1221.5	1263.7	1299.6	1310.7
55°	1092.7	1137.3	1184.4	1222.8	1231.5
57.5°	1010.9	1054.3	1101.4	1137.3	1154.6
60°	921.7	968.8	1019.6	1055.5	1074.1
62.5°	835.0	880.9	935.4	973.8	988.6
65°	752.0	794.1	849.9	889.5	903.2
67.5°	660.3	708.6	761.9	807.8	825.1
70°	569.9	615.7	676.4	719.8	737.1
72.5°	485.6	530.2	591.0	634.3	650.4
75°	396.4	443.5	507.9	551.3	572.4
77.5°	311.0	363.0	424.9	472.0	495.6
80°	231.7	277.5	344.4	396.4	417.5
82.5°	157.3	206.9	276.3	324.6	348.1
85°	96.6	148.7	213.1	258.9	275.0
87.5°	45.8	95.4	154.9	199.5	219.3
90°	6.2	53.3	109.0	152.4	168.5
92.5°	1.2	45.8	100.4	141.2	156.1
95°	1.2	45.8	99.1	138.8	153.6
97.5°	1.2	44.6	97.9	137.5	151.1
100°	1.2	43.4	96.6	135.0	149.9
102.5°	1.2	43.4	94.2	132.6	146.2
105°	1.2	42.1	92.9	130.1	143.7
107.5°	1.2	40.9	90.4	127.6	141.2
110°	1.2	38.4	89.2	123.9	137.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	37.2	86.7	121.4	133.8
115°	1.2	35.9	84.2	117.7	130.1
117.5°	1.2	34.7	80.5	114.0	126.4
120°	2.5	34.7	78.1	110.3	121.4
122.5°	2.5	33.5	74.3	105.3	116.5
125°	2.5	32.2	70.6	101.6	112.7
127.5°	2.5	31.0	66.9	96.6	106.5
130°	2.5	28.5	64.4	91.7	101.6
132.5°	2.5	27.3	60.7	85.5	95.4
135°	2.5	24.8	57.0	80.5	90.4
137.5°	2.5	23.5	53.3	75.6	84.2
140°	2.5	22.3	48.3	70.6	79.3
142.5°	2.5	19.8	44.6	65.7	73.1
145°	2.5	18.6	39.6	60.7	66.9
147.5°	2.5	16.1	35.9	55.8	61.9
150°	2.5	14.9	32.2	50.8	57.0
152.5°	2.5	13.6	28.5	44.6	50.8
155°	2.5	12.4	26.0	38.4	45.8
157.5°	2.5	11.2	22.3	33.5	40.9
160°	3.7	9.9	19.8	28.5	34.7
162.5°	3.7	8.7	16.1	23.5	31.0
165°	3.7	8.7	13.6	18.6	26.0
167.5°	3.7	7.4	11.2	14.9	21.1
170°	3.7	6.2	9.9	11.2	16.1
172.5°	3.7	5.0	7.4	7.4	8.7
175°	3.7	5.0	6.2	6.2	3.7
177.5°	3.7	3.7	3.7	3.7	2.5
180°	3.7	3.7	3.7	3.7	3.7

(END OF REPORT)