

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: P568069

Luminaire Tested: **8SNX-90SL-FDL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568069
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-L850-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

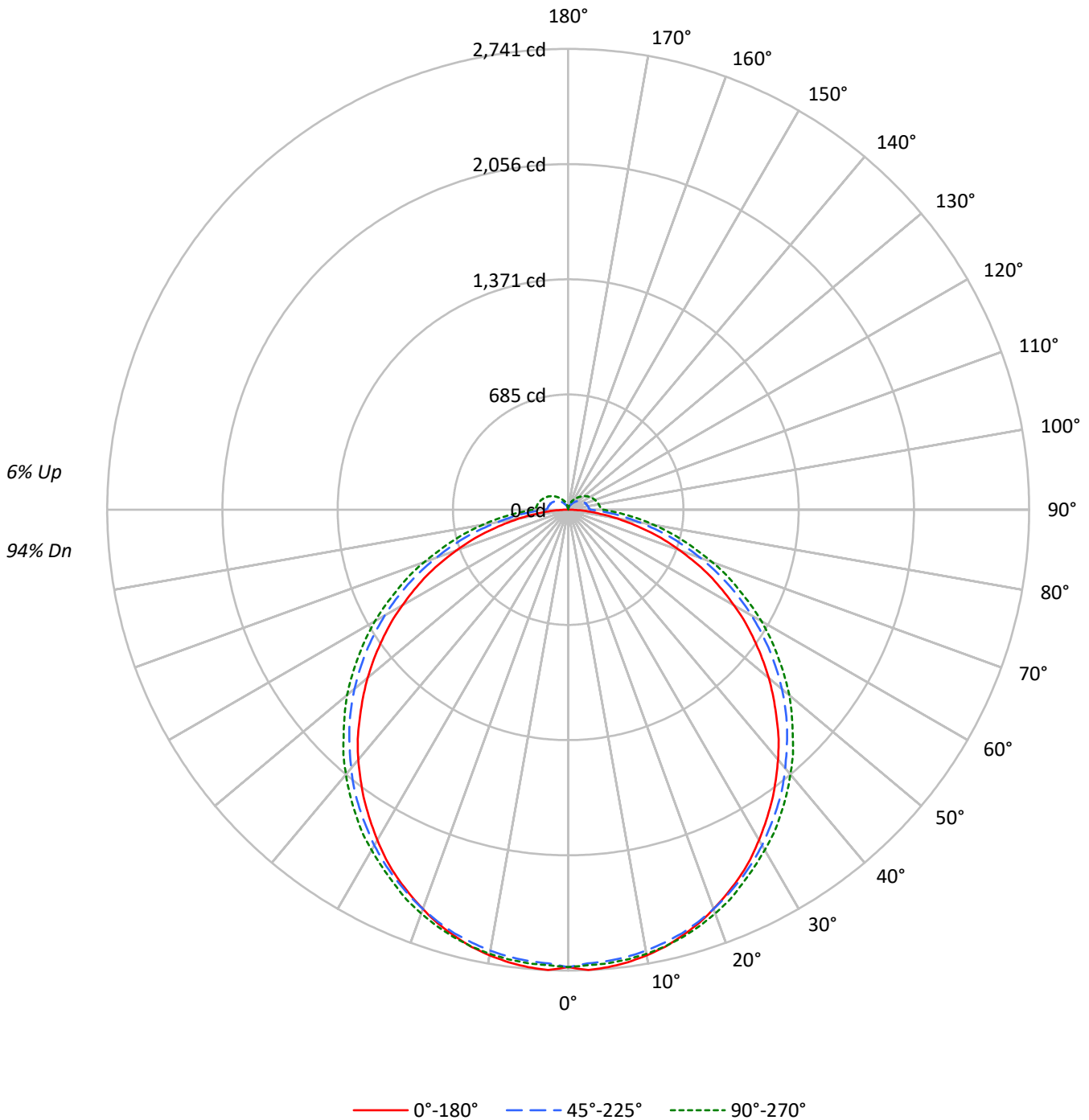
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8646.0 lumens
Efficiency: N/A
Efficacy: 145.1 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°	14643	14643	14643
5°	14750	14405	14422
10°	14696	14254	14241
15°	14593	14078	14038
20°	14450	13864	13799
25°	14286	13629	13515
30°	14059	13390	13254
35°	13832	13109	12981
40°	13580	12797	12674
45°	13263	12490	12316
50°	12957	12138	11989
55°	12577	11703	11535
60°	12152	11205	11087
65°	11705	10610	10472
70°	10926	9862	9833
75°	9993	8980	9069
80°	8619	7809	8221
85°	6959	6805	7225



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.0	3.0
10°-20°	740.4	8.6
20°-30°	1122.1	13.0
30°-40°	1354.5	15.7
40°-50°	1414.5	16.4
50°-60°	1299.5	15.0
60°-70°	1027.6	11.9
70°-80°	650.3	7.5
80°-90°	279.5	3.2
90°-100°	123.0	1.4
100°-110°	110.1	1.3
110°-120°	93.0	1.1
120°-130°	72.5	0.8
130°-140°	50.2	0.6
140°-150°	30.1	0.3
150°-160°	14.7	0.2
160°-170°	5.1	0.1
170°-180°	0.7	0.0
0°-30°	2120.5	24.5
0°-40°	3475.0	40.2
0°-60°	6189.0	71.6
0°-90°	8146.4	94.2
90°-120°	326.2	3.8
90°-150°	479.0	5.5
90°-180°	500.0	5.8
0°-180°	8646.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2721	2721	2721	2721	2721	
5°	2732	2724	2695	2718	2708	259
15°	2623	2623	2609	2636	2632	740
25°	2412	2422	2425	2457	2453	1111
35°	2113	2137	2165	2199	2206	1321
45°	1752	1794	1840	1876	1888	1353
55°	1350	1406	1464	1511	1522	1208
65°	929	981	1050	1099	1116	915
75°	490	548	628	681	707	519
85°	119	184	263	320	340	132
90°	8	66	135	188	208	10
95°	2	57	122	172	190	1
105°	2	52	115	161	178	2
115°	2	44	104	146	161	2
125°	3	40	87	126	139	3
135°	3	31	70	100	112	2
145°	3	23	49	75	83	2
155°	3	15	32	48	57	2
165°	5	11	17	23	32	1
175°	5	6	8	8	5	0
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2720.7	2720.7	2720.7	2720.7	2720.7
2.5°	2740.6	2731.5	2700.8	2722.3	2711.5
5°	2731.5	2723.8	2694.7	2717.7	2708.5
7.5°	2714.6	2708.5	2682.5	2707.0	2697.8
10°	2691.6	2687.0	2664.1	2688.6	2682.5
12.5°	2662.6	2661.0	2638.1	2665.6	2661.0
15°	2622.7	2622.7	2609.0	2636.5	2631.9
17.5°	2579.9	2581.4	2570.7	2599.8	2596.7
20°	2527.8	2535.5	2527.8	2558.4	2555.4
22.5°	2471.2	2481.9	2478.8	2509.4	2511.0
25°	2411.5	2422.2	2425.2	2457.4	2452.8
27.5°	2345.6	2362.5	2368.6	2397.7	2396.1
30°	2269.1	2292.0	2305.8	2330.3	2338.0
32.5°	2191.0	2218.5	2235.4	2269.1	2278.3
35°	2112.9	2137.4	2165.0	2198.6	2206.3
37.5°	2027.2	2054.7	2091.5	2123.6	2132.8
40°	1941.4	1972.0	2007.2	2042.5	2056.2
42.5°	1852.6	1884.8	1923.0	1964.4	1978.2
45°	1751.6	1794.4	1840.4	1875.6	1887.8
47.5°	1655.1	1702.6	1751.6	1789.8	1803.6
50°	1557.1	1607.6	1659.7	1694.9	1716.3
52.5°	1454.5	1509.6	1561.7	1606.1	1619.9
55°	1350.4	1405.5	1463.7	1511.2	1521.9
57.5°	1249.4	1303.0	1361.1	1405.5	1427.0
60°	1139.1	1197.3	1260.1	1304.5	1327.4
62.5°	1031.9	1088.6	1156.0	1203.4	1221.8
65°	929.4	981.4	1050.3	1099.3	1116.2
67.5°	816.1	875.8	941.6	998.3	1019.7
70°	704.3	760.9	836.0	889.6	911.0
72.5°	600.2	655.3	730.3	783.9	803.8
75°	489.9	548.1	627.7	681.3	707.4
77.5°	384.3	448.6	525.2	583.3	612.4
80°	286.3	343.0	425.6	489.9	516.0
82.5°	194.4	255.7	341.4	401.1	430.2
85°	119.4	183.7	263.3	320.0	339.9
87.5°	56.7	117.9	191.4	246.5	271.0
90°	7.7	65.8	134.7	188.3	208.2
92.5°	1.5	56.7	124.0	174.5	192.9
95°	1.5	56.7	122.5	171.5	189.9
97.5°	1.5	55.1	121.0	170.0	186.8
100°	1.5	53.6	119.4	166.9	185.3
102.5°	1.5	53.6	116.4	163.8	180.7
105°	1.5	52.1	114.8	160.8	177.6
107.5°	1.5	50.5	111.8	157.7	174.5
110°	1.5	47.5	110.2	153.1	170.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	45.9	107.2	150.0	165.4
115°	1.5	44.4	104.1	145.5	160.8
117.5°	1.5	42.9	99.5	140.9	156.2
120°	3.1	42.9	96.5	136.3	150.0
122.5°	3.1	41.3	91.9	130.1	143.9
125°	3.1	39.8	87.3	125.5	139.3
127.5°	3.1	38.3	82.7	119.4	131.7
130°	3.1	35.2	79.6	113.3	125.5
132.5°	3.1	33.7	75.0	105.6	117.9
135°	3.1	30.6	70.4	99.5	111.8
137.5°	3.1	29.1	65.8	93.4	104.1
140°	3.1	27.6	59.7	87.3	98.0
142.5°	3.1	24.5	55.1	81.1	90.3
145°	3.1	23.0	49.0	75.0	82.7
147.5°	3.1	19.9	44.4	68.9	76.6
150°	3.1	18.4	39.8	62.8	70.4
152.5°	3.1	16.8	35.2	55.1	62.8
155°	3.1	15.3	32.2	47.5	56.7
157.5°	3.1	13.8	27.6	41.3	50.5
160°	4.6	12.2	24.5	35.2	42.9
162.5°	4.6	10.7	19.9	29.1	38.3
165°	4.6	10.7	16.8	23.0	32.2
167.5°	4.6	9.2	13.8	18.4	26.0
170°	4.6	7.7	12.2	13.8	19.9
172.5°	4.6	6.1	9.2	9.2	10.7
175°	4.6	6.1	7.7	7.7	4.6
177.5°	4.6	4.6	4.6	4.6	3.1
180°	4.6	4.6	4.6	4.6	4.6

(END OF REPORT)