

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: P568067

Luminaire Tested: **8SNX-90SL-FDL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568067
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-L835-CD
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

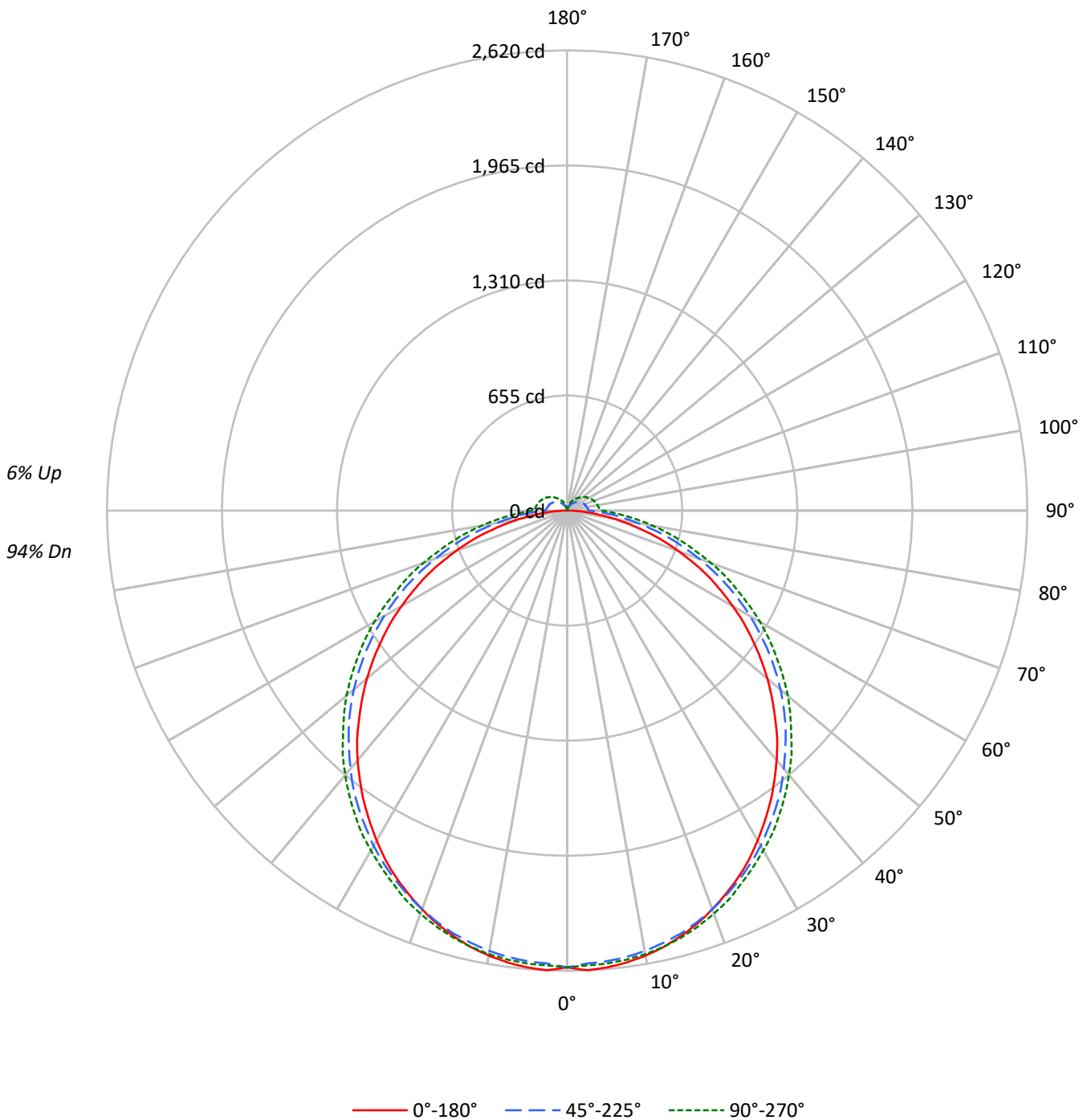
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8264.0 lumens
Efficiency: N/A
Efficacy: 138.7 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 (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°	13996	13996	13996
5°	14098	13768	13785
10°	14047	13624	13612
15°	13949	13456	13417
20°	13812	13252	13189
25°	13654	13027	12918
30°	13438	12798	12669
35°	13220	12529	12407
40°	12980	12232	12114
45°	12677	11937	11772
50°	12384	11602	11459
55°	12022	11186	11025
60°	11615	10710	10598
65°	11187	10141	10008
70°	10444	9426	9398
75°	9552	8583	8668
80°	8240	7464	7858
85°	6650	6506	6906



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.6	3.0
10°-20°	707.7	8.6
20°-30°	1072.5	13.0
30°-40°	1294.7	15.7
40°-50°	1352.0	16.4
50°-60°	1242.0	15.0
60°-70°	982.2	11.9
70°-80°	621.6	7.5
80°-90°	267.2	3.2
90°-100°	117.6	1.4
100°-110°	105.3	1.3
110°-120°	88.9	1.1
120°-130°	69.3	0.8
130°-140°	48.0	0.6
140°-150°	28.8	0.3
150°-160°	14.1	0.2
160°-170°	4.9	0.1
170°-180°	0.7	0.0
0°-30°	2026.8	24.5
0°-40°	3321.5	40.2
0°-60°	5915.5	71.6
0°-90°	7786.5	94.2
90°-120°	311.8	3.8
90°-150°	457.8	5.5
90°-180°	477.0	5.8
0°-180°	8264.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2600	2600	2600	2600	2600	
5°	2611	2604	2576	2598	2589	248
15°	2507	2507	2494	2520	2516	707
25°	2305	2315	2318	2349	2344	1061
35°	2020	2043	2069	2102	2109	1263
45°	1674	1715	1759	1793	1804	1293
55°	1291	1343	1399	1444	1455	1155
65°	888	938	1004	1051	1067	875
75°	468	524	600	651	676	496
85°	114	176	252	306	325	126
90°	7	63	129	180	199	10
95°	2	54	117	164	182	1
105°	2	50	110	154	170	2
115°	2	42	100	139	154	2
125°	3	38	83	120	133	3
135°	3	29	67	95	107	2
145°	3	22	47	72	79	2
155°	3	15	31	45	54	1
165°	4	10	16	22	31	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°	2600.5	2600.5	2600.5	2600.5	2600.5
2.5°	2619.5	2610.8	2581.5	2602.0	2591.7
5°	2610.8	2603.5	2575.6	2597.6	2588.8
7.5°	2594.7	2588.8	2563.9	2587.4	2578.6
10°	2572.7	2568.3	2546.4	2569.8	2563.9
12.5°	2544.9	2543.5	2521.5	2547.8	2543.5
15°	2506.9	2506.9	2493.7	2520.0	2515.6
17.5°	2465.9	2467.4	2457.1	2484.9	2482.0
20°	2416.1	2423.4	2416.1	2445.4	2442.5
22.5°	2362.0	2372.2	2369.3	2398.6	2400.0
25°	2304.9	2315.2	2318.1	2348.8	2344.4
27.5°	2242.0	2258.1	2263.9	2291.7	2290.3
30°	2168.8	2190.8	2203.9	2227.3	2234.7
32.5°	2094.2	2120.5	2136.6	2168.8	2177.6
35°	2019.5	2043.0	2069.3	2101.5	2108.8
37.5°	1937.6	1963.9	1999.1	2029.8	2038.6
40°	1855.6	1884.9	1918.6	1952.2	1965.4
42.5°	1770.8	1801.5	1838.1	1877.6	1890.8
45°	1674.2	1715.1	1759.0	1792.7	1804.4
47.5°	1582.0	1627.3	1674.2	1710.8	1723.9
50°	1488.3	1536.6	1586.4	1620.0	1640.5
52.5°	1390.3	1442.9	1492.7	1535.1	1548.3
55°	1290.8	1343.4	1399.0	1444.4	1454.7
57.5°	1194.2	1245.4	1301.0	1343.4	1363.9
60°	1088.8	1144.4	1204.4	1246.8	1268.8
62.5°	986.4	1040.5	1104.9	1150.3	1167.8
65°	888.3	938.1	1003.9	1050.7	1066.8
67.5°	780.0	837.1	900.0	954.2	974.6
70°	673.2	727.3	799.0	850.3	870.7
72.5°	573.7	626.4	698.1	749.3	768.3
75°	468.3	523.9	600.0	651.2	676.1
77.5°	367.3	428.8	502.0	557.6	585.4
80°	273.7	327.8	406.8	468.3	493.2
82.5°	185.9	244.4	326.3	383.4	411.2
85°	114.1	175.6	251.7	305.9	324.9
87.5°	54.1	112.7	182.9	235.6	259.0
90°	7.3	62.9	128.8	180.0	199.0
92.5°	1.5	54.1	118.5	166.8	184.4
95°	1.5	54.1	117.1	163.9	181.5
97.5°	1.5	52.7	115.6	162.4	178.5
100°	1.5	51.2	114.1	159.5	177.1
102.5°	1.5	51.2	111.2	156.6	172.7
105°	1.5	49.8	109.8	153.7	169.8
107.5°	1.5	48.3	106.8	150.7	166.8
110°	1.5	45.4	105.4	146.3	162.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	43.9	102.4	143.4	158.1
115°	1.5	42.4	99.5	139.0	153.7
117.5°	1.5	41.0	95.1	134.6	149.3
120°	2.9	41.0	92.2	130.2	143.4
122.5°	2.9	39.5	87.8	124.4	137.6
125°	2.9	38.0	83.4	120.0	133.2
127.5°	2.9	36.6	79.0	114.1	125.9
130°	2.9	33.7	76.1	108.3	120.0
132.5°	2.9	32.2	71.7	101.0	112.7
135°	2.9	29.3	67.3	95.1	106.8
137.5°	2.9	27.8	62.9	89.3	99.5
140°	2.9	26.3	57.1	83.4	93.7
142.5°	2.9	23.4	52.7	77.6	86.3
145°	2.9	22.0	46.8	71.7	79.0
147.5°	2.9	19.0	42.4	65.9	73.2
150°	2.9	17.6	38.0	60.0	67.3
152.5°	2.9	16.1	33.7	52.7	60.0
155°	2.9	14.6	30.7	45.4	54.1
157.5°	2.9	13.2	26.3	39.5	48.3
160°	4.4	11.7	23.4	33.7	41.0
162.5°	4.4	10.2	19.0	27.8	36.6
165°	4.4	10.2	16.1	22.0	30.7
167.5°	4.4	8.8	13.2	17.6	24.9
170°	4.4	7.3	11.7	13.2	19.0
172.5°	4.4	5.9	8.8	8.8	10.2
175°	4.4	5.9	7.3	7.3	4.4
177.5°	4.4	4.4	4.4	4.4	2.9
180°	4.4	4.4	4.4	4.4	4.4

(END OF REPORT)