

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: P568115

Luminaire Tested: **8SNX-96SL-FDL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568115
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-L835-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

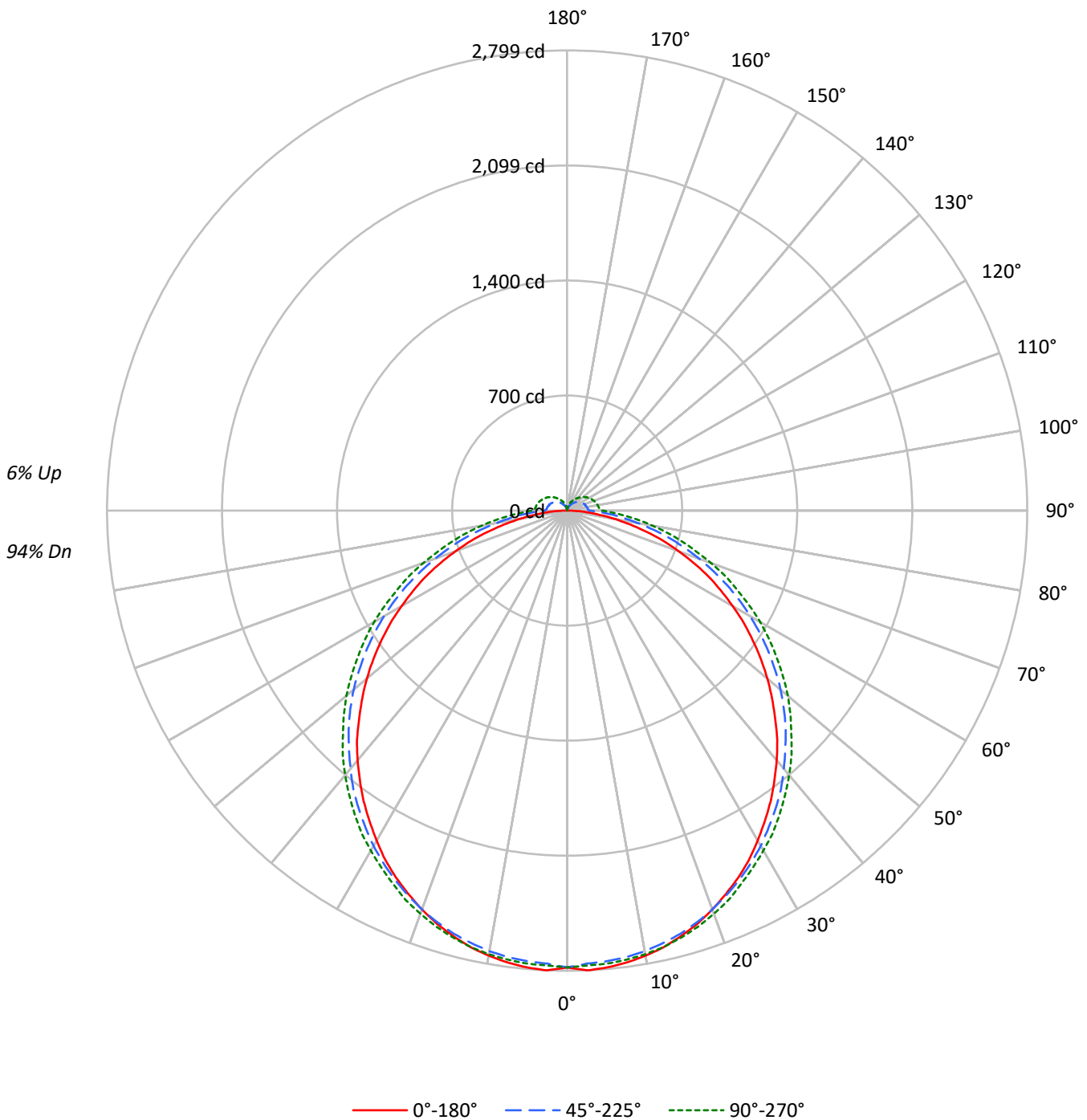
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8831.0 lumens
Efficiency: N/A
Efficacy: 137.6 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°	14956	14956	14956
5°	15066	14713	14731
10°	15011	14559	14546
15°	14906	14379	14338
20°	14759	14161	14094
25°	14591	13921	13804
30°	14360	13676	13538
35°	14128	13389	13259
40°	13871	13071	12945
45°	13546	12756	12579
50°	13234	12398	12246
55°	12847	11953	11782
60°	12412	11444	11325
65°	11956	10837	10695
70°	11161	10073	10043
75°	10207	9173	9262
80°	8802	7976	8397
85°	7110	6953	7380



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.5	3.0
10°-20°	756.3	8.6
20°-30°	1146.1	13.0
30°-40°	1383.5	15.7
40°-50°	1444.7	16.4
50°-60°	1327.3	15.0
60°-70°	1049.6	11.9
70°-80°	664.3	7.5
80°-90°	285.5	3.2
90°-100°	125.7	1.4
100°-110°	112.5	1.3
110°-120°	95.0	1.1
120°-130°	74.0	0.8
130°-140°	51.3	0.6
140°-150°	30.8	0.3
150°-160°	15.0	0.2
160°-170°	5.2	0.1
170°-180°	0.8	0.0
0°-30°	2165.9	24.5
0°-40°	3549.4	40.2
0°-60°	6321.4	71.6
0°-90°	8320.8	94.2
90°-120°	333.2	3.8
90°-150°	489.2	5.5
90°-180°	510.0	5.8
0°-180°	8831.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2779	2779	2779	2779	2779	
5°	2790	2782	2752	2776	2766	265
15°	2679	2679	2665	2693	2688	756
25°	2463	2474	2477	2510	2505	1134
35°	2158	2183	2211	2246	2254	1349
45°	1789	1833	1880	1916	1928	1382
55°	1379	1436	1495	1544	1554	1234
65°	949	1002	1073	1123	1140	935
75°	500	560	641	696	722	530
85°	122	188	269	327	347	135
90°	8	67	138	192	213	10
95°	2	58	125	175	194	1
105°	2	53	117	164	181	2
115°	2	45	106	149	164	2
125°	3	41	89	128	142	3
135°	3	31	72	102	114	2
145°	3	24	50	77	84	2
155°	3	16	33	48	58	2
165°	5	11	17	24	33	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°	2778.9	2778.9	2778.9	2778.9	2778.9
2.5°	2799.3	2789.9	2758.6	2780.5	2769.6
5°	2789.9	2782.1	2752.4	2775.8	2766.4
7.5°	2772.7	2766.4	2739.9	2764.9	2755.5
10°	2749.2	2744.5	2721.1	2746.1	2739.9
12.5°	2719.5	2718.0	2694.5	2722.7	2718.0
15°	2678.9	2678.9	2664.8	2692.9	2688.2
17.5°	2635.1	2636.6	2625.7	2655.4	2652.3
20°	2581.9	2589.7	2581.9	2613.2	2610.1
22.5°	2524.0	2535.0	2531.9	2563.1	2564.7
25°	2463.1	2474.0	2477.1	2510.0	2505.3
27.5°	2395.8	2413.0	2419.3	2449.0	2447.4
30°	2317.6	2341.1	2355.1	2380.2	2388.0
32.5°	2237.9	2266.0	2283.2	2317.6	2327.0
35°	2158.1	2183.1	2211.3	2245.7	2253.5
37.5°	2070.5	2098.7	2136.2	2169.1	2178.4
40°	1983.0	2014.2	2050.2	2086.2	2100.2
42.5°	1892.3	1925.1	1964.2	2006.4	2020.5
45°	1789.0	1832.8	1879.7	1915.7	1928.2
47.5°	1690.5	1739.0	1789.0	1828.1	1842.2
50°	1590.4	1642.0	1695.2	1731.2	1753.1
52.5°	1485.7	1541.9	1595.1	1640.5	1654.5
55°	1379.3	1435.6	1495.0	1543.5	1554.5
57.5°	1276.1	1330.8	1390.3	1435.6	1457.5
60°	1163.5	1222.9	1287.0	1332.4	1355.9
62.5°	1054.0	1111.9	1180.7	1229.2	1247.9
65°	949.3	1002.4	1072.8	1122.8	1140.0
67.5°	833.5	894.5	961.8	1019.6	1041.5
70°	719.4	777.2	853.9	908.6	930.5
72.5°	613.0	669.3	746.0	800.7	821.0
75°	500.4	559.9	641.2	695.9	722.5
77.5°	392.5	458.2	536.4	595.8	625.5
80°	292.4	350.3	434.7	500.4	527.0
82.5°	198.6	261.2	348.7	409.7	439.4
85°	122.0	187.7	269.0	326.8	347.2
87.5°	57.9	120.4	195.5	251.8	276.8
90°	7.8	67.2	137.6	192.4	212.7
92.5°	1.6	57.9	126.7	178.3	197.0
95°	1.6	57.9	125.1	175.2	193.9
97.5°	1.6	56.3	123.5	173.6	190.8
100°	1.6	54.7	122.0	170.5	189.2
102.5°	1.6	54.7	118.9	167.3	184.5
105°	1.6	53.2	117.3	164.2	181.4
107.5°	1.6	51.6	114.2	161.1	178.3
110°	1.6	48.5	112.6	156.4	173.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	46.9	109.5	153.3	168.9
115°	1.6	45.4	106.3	148.6	164.2
117.5°	1.6	43.8	101.6	143.9	159.5
120°	3.1	43.8	98.5	139.2	153.3
122.5°	3.1	42.2	93.8	132.9	147.0
125°	3.1	40.7	89.1	128.2	142.3
127.5°	3.1	39.1	84.4	122.0	134.5
130°	3.1	36.0	81.3	115.7	128.2
132.5°	3.1	34.4	76.6	107.9	120.4
135°	3.1	31.3	71.9	101.6	114.2
137.5°	3.1	29.7	67.2	95.4	106.3
140°	3.1	28.1	61.0	89.1	100.1
142.5°	3.1	25.0	56.3	82.9	92.3
145°	3.1	23.5	50.0	76.6	84.4
147.5°	3.1	20.3	45.4	70.4	78.2
150°	3.1	18.8	40.7	64.1	71.9
152.5°	3.1	17.2	36.0	56.3	64.1
155°	3.1	15.6	32.8	48.5	57.9
157.5°	3.1	14.1	28.1	42.2	51.6
160°	4.7	12.5	25.0	36.0	43.8
162.5°	4.7	10.9	20.3	29.7	39.1
165°	4.7	10.9	17.2	23.5	32.8
167.5°	4.7	9.4	14.1	18.8	26.6
170°	4.7	7.8	12.5	14.1	20.3
172.5°	4.7	6.3	9.4	9.4	10.9
175°	4.7	6.3	7.8	7.8	4.7
177.5°	4.7	4.7	4.7	4.7	3.1
180°	4.7	4.7	4.7	4.7	4.7

(END OF REPORT)