

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: P568117

Luminaire Tested: **8SNX-96SL-FDL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568117
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-L850-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

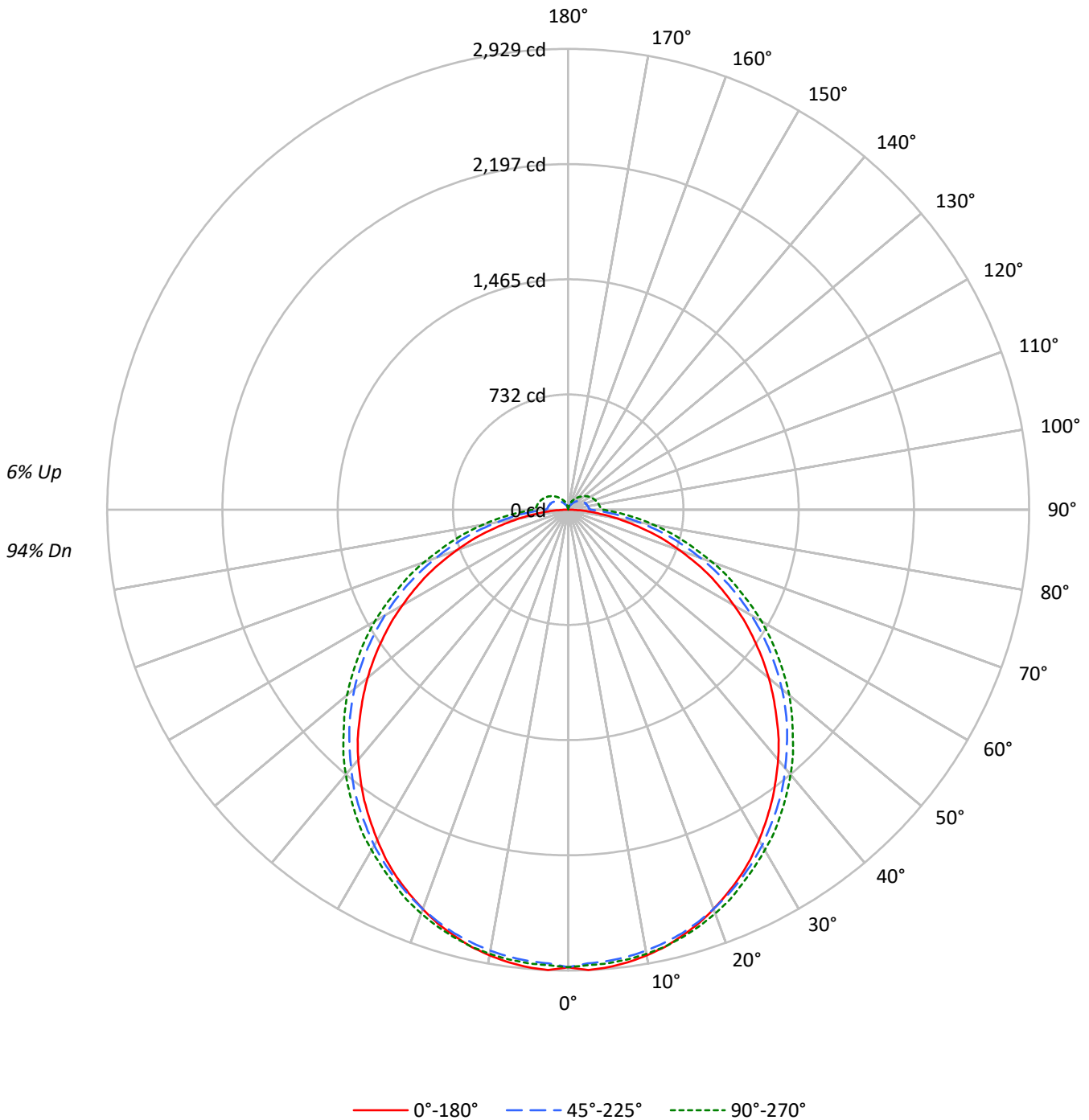
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9240.0 lumens
Efficiency: N/A
Efficacy: 143.9 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 (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	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°	15649	15649	15649
5°	15763	15394	15413
10°	15706	15233	15219
15°	15595	15045	15002
20°	15443	14817	14746
25°	15267	14566	14444
30°	15025	14310	14165
35°	14782	14009	13873
40°	14513	13677	13545
45°	14174	13348	13162
50°	13847	12972	12813
55°	13442	12507	12327
60°	12987	11975	11849
65°	12508	11339	11190
70°	11677	10539	10508
75°	10680	9598	9692
80°	9212	8346	8786
85°	7437	7273	7723



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.7	3.0
10°-20°	791.3	8.6
20°-30°	1199.1	13.0
30°-40°	1447.6	15.7
40°-50°	1511.7	16.4
50°-60°	1388.7	15.0
60°-70°	1098.2	11.9
70°-80°	695.0	7.5
80°-90°	298.8	3.2
90°-100°	131.5	1.4
100°-110°	117.7	1.3
110°-120°	99.4	1.1
120°-130°	77.5	0.8
130°-140°	53.7	0.6
140°-150°	32.2	0.3
150°-160°	15.7	0.2
160°-170°	5.4	0.1
170°-180°	0.8	0.0
0°-30°	2266.2	24.5
0°-40°	3713.8	40.2
0°-60°	6614.2	71.6
0°-90°	8706.1	94.2
90°-120°	348.6	3.8
90°-150°	511.9	5.5
90°-180°	534.0	5.8
0°-180°	9240.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2908	2908	2908	2908	2908	
5°	2919	2911	2880	2904	2895	277
15°	2803	2803	2788	2818	2813	791
25°	2577	2589	2592	2626	2621	1187
35°	2258	2284	2314	2350	2358	1412
45°	1872	1918	1967	2004	2018	1446
55°	1443	1502	1564	1615	1626	1291
65°	993	1049	1122	1175	1193	978
75°	524	586	671	728	756	555
85°	128	196	281	342	363	141
90°	8	70	144	201	222	11
95°	2	60	131	183	203	1
105°	2	56	123	172	190	2
115°	2	48	111	155	172	2
125°	3	42	93	134	149	3
135°	3	33	75	106	119	3
145°	3	24	52	80	88	2
155°	3	16	34	51	60	2
165°	5	12	18	24	34	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°	2907.7	2907.7	2907.7	2907.7	2907.7
2.5°	2928.9	2919.1	2886.4	2909.3	2897.8
5°	2919.1	2910.9	2879.8	2904.4	2894.6
7.5°	2901.1	2894.6	2866.7	2892.9	2883.1
10°	2876.6	2871.7	2847.1	2873.3	2866.7
12.5°	2845.5	2843.8	2819.3	2848.7	2843.8
15°	2802.9	2802.9	2788.2	2817.7	2812.8
17.5°	2757.1	2758.8	2747.3	2778.4	2775.1
20°	2701.5	2709.7	2701.5	2734.2	2730.9
22.5°	2640.9	2652.4	2649.1	2681.8	2683.5
25°	2577.1	2588.6	2591.9	2626.2	2621.3
27.5°	2506.8	2524.8	2531.3	2562.4	2560.8
30°	2425.0	2449.5	2464.2	2490.4	2498.6
32.5°	2341.5	2371.0	2389.0	2425.0	2434.8
35°	2258.1	2284.2	2313.7	2349.7	2357.9
37.5°	2166.4	2195.9	2235.1	2269.5	2279.3
40°	2074.8	2107.5	2145.2	2182.8	2197.5
42.5°	1979.9	2014.2	2055.2	2099.3	2114.1
45°	1871.9	1917.7	1966.8	2004.4	2017.5
47.5°	1768.8	1819.5	1871.9	1912.8	1927.5
50°	1664.1	1718.1	1773.7	1811.4	1834.3
52.5°	1554.5	1613.4	1669.0	1716.4	1731.2
55°	1443.2	1502.1	1564.3	1615.0	1626.5
57.5°	1335.2	1392.5	1454.6	1502.1	1525.0
60°	1217.4	1279.6	1346.7	1394.1	1418.6
62.5°	1102.8	1163.4	1235.4	1286.1	1305.7
65°	993.2	1048.8	1122.5	1174.8	1192.8
67.5°	872.1	935.9	1006.3	1066.8	1089.8
70°	752.7	813.2	893.4	950.7	973.6
72.5°	641.4	700.3	780.5	837.8	859.0
75°	523.6	585.8	670.9	728.1	756.0
77.5°	410.7	479.4	561.2	623.4	654.5
80°	306.0	366.5	454.9	523.6	551.4
82.5°	207.8	273.3	364.9	428.7	459.8
85°	127.6	196.4	281.4	342.0	363.3
87.5°	60.5	126.0	204.5	263.4	289.6
90°	8.2	70.4	144.0	201.3	222.5
92.5°	1.6	60.5	132.5	186.5	206.2
95°	1.6	60.5	130.9	183.3	202.9
97.5°	1.6	58.9	129.3	181.6	199.6
100°	1.6	57.3	127.6	178.4	198.0
102.5°	1.6	57.3	124.4	175.1	193.1
105°	1.6	55.6	122.7	171.8	189.8
107.5°	1.6	54.0	119.4	168.5	186.5
110°	1.6	50.7	117.8	163.6	181.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	49.1	114.5	160.4	176.7
115°	1.6	47.5	111.3	155.4	171.8
117.5°	1.6	45.8	106.4	150.5	166.9
120°	3.3	45.8	103.1	145.6	160.4
122.5°	3.3	44.2	98.2	139.1	153.8
125°	3.3	42.5	93.3	134.2	148.9
127.5°	3.3	40.9	88.4	127.6	140.7
130°	3.3	37.6	85.1	121.1	134.2
132.5°	3.3	36.0	80.2	112.9	126.0
135°	3.3	32.7	75.3	106.4	119.4
137.5°	3.3	31.1	70.4	99.8	111.3
140°	3.3	29.5	63.8	93.3	104.7
142.5°	3.3	26.2	58.9	86.7	96.5
145°	3.3	24.5	52.4	80.2	88.4
147.5°	3.3	21.3	47.5	73.6	81.8
150°	3.3	19.6	42.5	67.1	75.3
152.5°	3.3	18.0	37.6	58.9	67.1
155°	3.3	16.4	34.4	50.7	60.5
157.5°	3.3	14.7	29.5	44.2	54.0
160°	4.9	13.1	26.2	37.6	45.8
162.5°	4.9	11.5	21.3	31.1	40.9
165°	4.9	11.5	18.0	24.5	34.4
167.5°	4.9	9.8	14.7	19.6	27.8
170°	4.9	8.2	13.1	14.7	21.3
172.5°	4.9	6.5	9.8	9.8	11.5
175°	4.9	6.5	8.2	8.2	4.9
177.5°	4.9	4.9	4.9	4.9	3.3
180°	4.9	4.9	4.9	4.9	4.9

(END OF REPORT)