

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: P568116

Luminaire Tested: **8SNX-96SL-FDL-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568116
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-L840-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

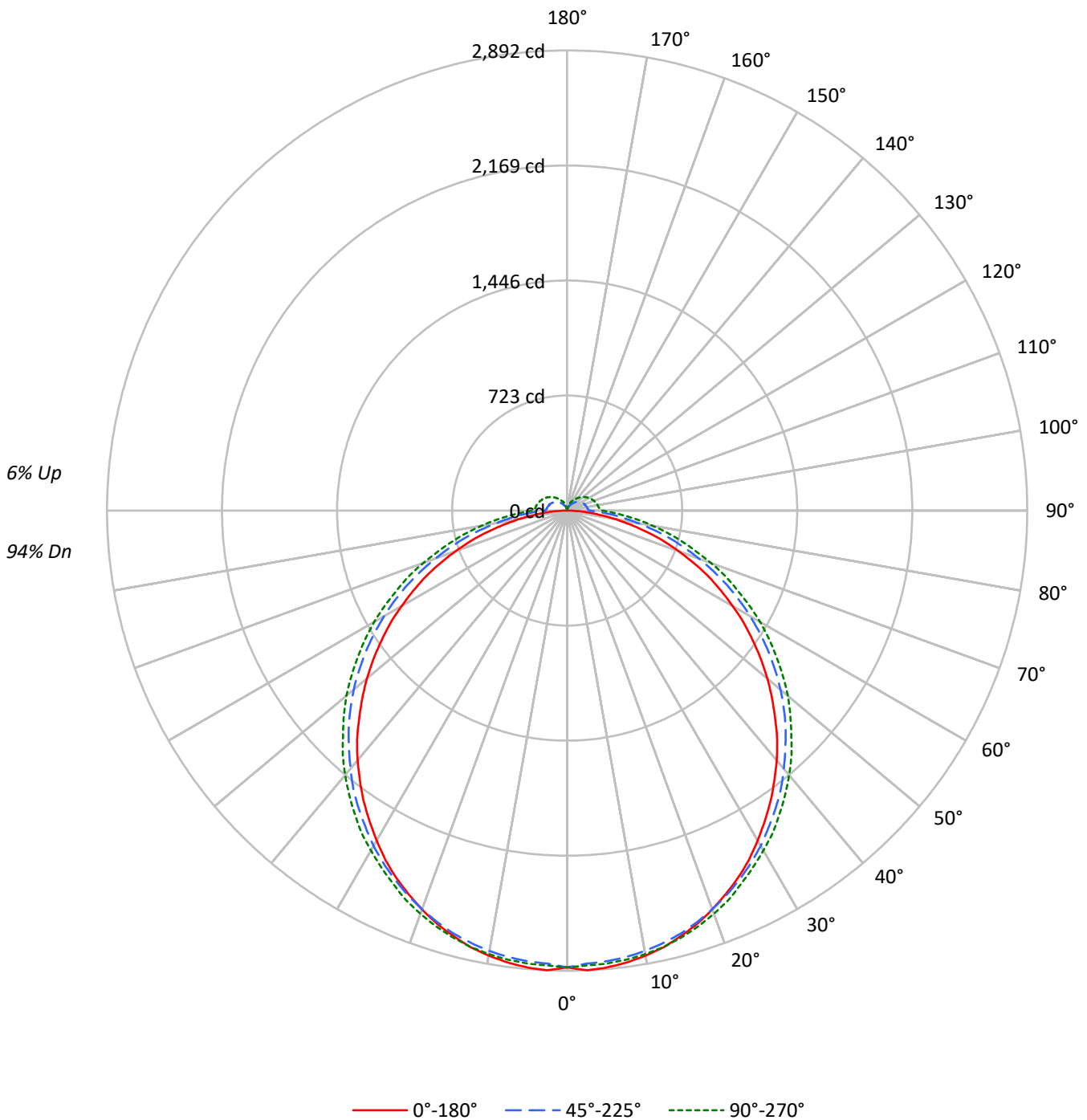
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9123.0 lumens
Efficiency: N/A
Efficacy: 142.1 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): 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	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°	15451	15451	15451
5°	15563	15200	15218
10°	15507	15040	15026
15°	15398	14855	14812
20°	15248	14629	14560
25°	15073	14381	14261
30°	14834	14129	13985
35°	14595	13832	13697
40°	14329	13503	13373
45°	13994	13179	12996
50°	13672	12808	12650
55°	13271	12349	12171
60°	12823	11823	11700
65°	12350	11196	11049
70°	11530	10406	10376
75°	10546	9476	9569
80°	9094	8240	8674
85°	7343	7183	7625



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.3	3.0
10°-20°	781.3	8.6
20°-30°	1184.0	13.0
30°-40°	1429.3	15.7
40°-50°	1492.5	16.4
50°-60°	1371.2	15.0
60°-70°	1084.3	11.9
70°-80°	686.2	7.5
80°-90°	295.0	3.2
90°-100°	129.8	1.4
100°-110°	116.2	1.3
110°-120°	98.2	1.1
120°-130°	76.5	0.8
130°-140°	53.0	0.6
140°-150°	31.8	0.3
150°-160°	15.5	0.2
160°-170°	5.4	0.1
170°-180°	0.8	0.0
0°-30°	2237.5	24.5
0°-40°	3666.7	40.2
0°-60°	6530.4	71.6
0°-90°	8595.9	94.2
90°-120°	344.2	3.8
90°-150°	505.4	5.5
90°-180°	527.0	5.8
0°-180°	9123.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2871	2871	2871	2871	2871	
5°	2882	2874	2843	2868	2858	274
15°	2767	2767	2753	2782	2777	781
25°	2544	2556	2559	2593	2588	1172
35°	2230	2255	2284	2320	2328	1394
45°	1848	1893	1942	1979	1992	1427
55°	1425	1483	1544	1595	1606	1275
65°	981	1036	1108	1160	1178	966
75°	517	578	662	719	746	548
85°	126	194	278	338	359	139
90°	8	70	142	199	220	11
95°	2	60	129	181	200	1
105°	2	55	121	170	187	2
115°	2	47	110	154	170	2
125°	3	42	92	132	147	3
135°	3	32	74	105	118	2
145°	3	24	52	79	87	2
155°	3	16	34	50	60	2
165°	5	11	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°	2870.8	2870.8	2870.8	2870.8	2870.8
2.5°	2891.8	2882.1	2849.8	2872.5	2861.1
5°	2882.1	2874.1	2843.4	2867.6	2857.9
7.5°	2864.4	2857.9	2830.4	2856.3	2846.6
10°	2840.1	2835.3	2811.1	2836.9	2830.4
12.5°	2809.4	2807.8	2783.6	2812.7	2807.8
15°	2767.4	2767.4	2752.9	2782.0	2777.1
17.5°	2722.2	2723.8	2712.5	2743.2	2740.0
20°	2667.3	2675.4	2667.3	2699.6	2696.4
22.5°	2607.5	2618.8	2615.6	2647.9	2649.5
25°	2544.5	2555.8	2559.0	2593.0	2588.1
27.5°	2475.0	2492.8	2499.3	2530.0	2528.3
30°	2394.2	2418.5	2433.0	2458.9	2466.9
32.5°	2311.9	2340.9	2358.7	2394.2	2403.9
35°	2229.5	2255.3	2284.4	2319.9	2328.0
37.5°	2139.0	2168.1	2206.8	2240.8	2250.5
40°	2048.5	2080.8	2118.0	2155.1	2169.7
42.5°	1954.8	1988.7	2029.1	2072.8	2087.3
45°	1848.2	1893.4	1941.9	1979.1	1992.0
47.5°	1746.4	1796.5	1848.2	1888.6	1903.1
50°	1643.0	1696.3	1751.3	1788.4	1811.0
52.5°	1534.8	1592.9	1647.9	1694.7	1709.3
55°	1424.9	1483.1	1544.5	1594.6	1605.9
57.5°	1318.3	1374.8	1436.2	1483.1	1505.7
60°	1202.0	1263.4	1329.6	1376.5	1400.7
62.5°	1088.9	1148.7	1219.7	1269.8	1289.2
65°	980.6	1035.6	1108.3	1160.0	1177.7
67.5°	861.1	924.1	993.6	1053.3	1076.0
70°	743.2	802.9	882.1	938.6	961.3
72.5°	633.3	691.5	770.6	827.2	848.2
75°	517.0	578.4	662.4	718.9	746.4
77.5°	405.5	473.4	554.1	615.5	646.2
80°	302.1	361.9	449.1	517.0	544.4
82.5°	205.2	269.8	360.3	423.3	454.0
85°	126.0	193.9	277.9	337.7	358.7
87.5°	59.8	124.4	201.9	260.1	286.0
90°	8.1	69.5	142.2	198.7	219.7
92.5°	1.6	59.8	130.9	184.2	203.6
95°	1.6	59.8	129.2	180.9	200.3
97.5°	1.6	58.2	127.6	179.3	197.1
100°	1.6	56.5	126.0	176.1	195.5
102.5°	1.6	56.5	122.8	172.9	190.6
105°	1.6	54.9	121.2	169.6	187.4
107.5°	1.6	53.3	117.9	166.4	184.2
110°	1.6	50.1	116.3	161.6	179.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.6	48.5	113.1	158.3	174.5
115°	1.6	46.9	109.9	153.5	169.6
117.5°	1.6	45.2	105.0	148.6	164.8
120°	3.2	45.2	101.8	143.8	158.3
122.5°	3.2	43.6	96.9	137.3	151.9
125°	3.2	42.0	92.1	132.5	147.0
127.5°	3.2	40.4	87.2	126.0	138.9
130°	3.2	37.2	84.0	119.6	132.5
132.5°	3.2	35.5	79.2	111.5	124.4
135°	3.2	32.3	74.3	105.0	117.9
137.5°	3.2	30.7	69.5	98.5	109.9
140°	3.2	29.1	63.0	92.1	103.4
142.5°	3.2	25.8	58.2	85.6	95.3
145°	3.2	24.2	51.7	79.2	87.2
147.5°	3.2	21.0	46.9	72.7	80.8
150°	3.2	19.4	42.0	66.2	74.3
152.5°	3.2	17.8	37.2	58.2	66.2
155°	3.2	16.2	33.9	50.1	59.8
157.5°	3.2	14.5	29.1	43.6	53.3
160°	4.8	12.9	25.8	37.2	45.2
162.5°	4.8	11.3	21.0	30.7	40.4
165°	4.8	11.3	17.8	24.2	33.9
167.5°	4.8	9.7	14.5	19.4	27.5
170°	4.8	8.1	12.9	14.5	21.0
172.5°	4.8	6.5	9.7	9.7	11.3
175°	4.8	6.5	8.1	8.1	4.8
177.5°	4.8	4.8	4.8	4.8	3.2
180°	4.8	4.8	4.8	4.8	4.8

(END OF REPORT)