

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: P568114

Luminaire Tested: **8SNX-96SL-FDL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568114
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-L830-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

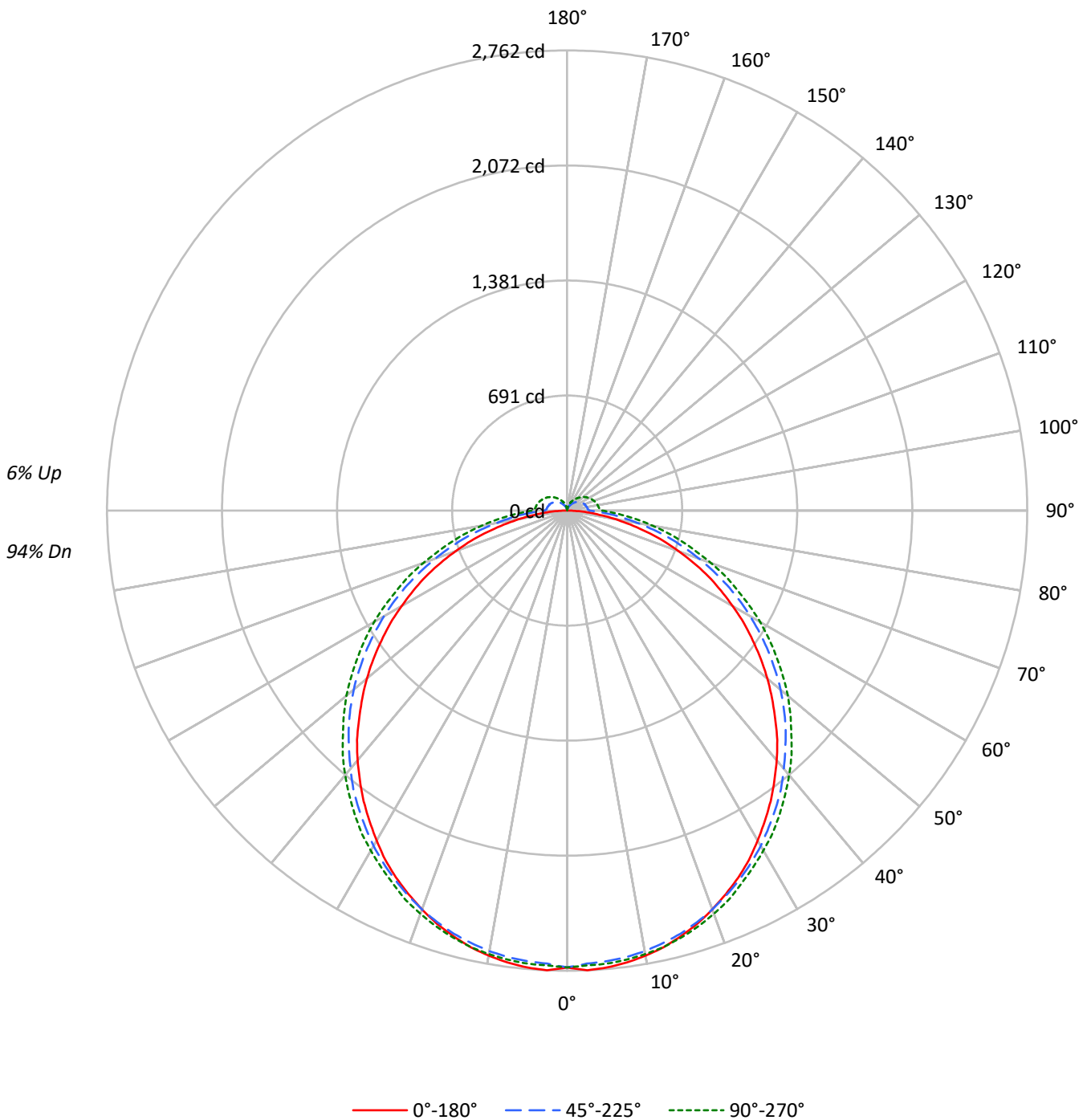
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8714.0 lumens
Efficiency: N/A
Efficacy: 135.7 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): 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°	14758	14758	14758
5°	14866	14518	14536
10°	14812	14366	14353
15°	14708	14189	14148
20°	14564	13973	13907
25°	14398	13737	13622
30°	14169	13495	13359
35°	13940	13212	13083
40°	13687	12898	12774
45°	13366	12588	12413
50°	13059	12233	12083
55°	12676	11795	11626
60°	12248	11293	11175
65°	11797	10694	10553
70°	11012	9939	9910
75°	10072	9051	9139
80°	8688	7871	8285
85°	7017	6860	7283



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.1	3.0
10°-20°	746.2	8.6
20°-30°	1130.9	13.0
30°-40°	1365.2	15.7
40°-50°	1425.6	16.4
50°-60°	1309.7	15.0
60°-70°	1035.7	11.9
70°-80°	655.5	7.5
80°-90°	281.8	3.2
90°-100°	124.0	1.4
100°-110°	111.0	1.3
110°-120°	93.7	1.1
120°-130°	73.1	0.8
130°-140°	50.6	0.6
140°-150°	30.4	0.3
150°-160°	14.8	0.2
160°-170°	5.1	0.1
170°-180°	0.8	0.0
0°-30°	2137.2	24.5
0°-40°	3502.4	40.2
0°-60°	6237.6	71.6
0°-90°	8210.5	94.2
90°-120°	328.7	3.8
90°-150°	482.7	5.5
90°-180°	503.0	5.8
0°-180°	8714.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2742	2742	2742	2742	2742	
5°	2753	2745	2716	2739	2730	261
15°	2643	2643	2630	2657	2653	746
25°	2430	2441	2444	2477	2472	1119
35°	2130	2154	2182	2216	2224	1331
45°	1765	1808	1855	1890	1903	1363
55°	1361	1417	1475	1523	1534	1218
65°	937	989	1059	1108	1125	922
75°	494	552	633	687	713	523
85°	120	185	265	322	343	133
90°	8	66	136	190	210	10
95°	2	57	123	173	191	1
105°	2	52	116	162	179	2
115°	2	45	105	147	162	2
125°	3	40	88	126	140	3
135°	3	31	71	100	113	2
145°	3	23	49	76	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°	2742.1	2742.1	2742.1	2742.1	2742.1
2.5°	2762.2	2752.9	2722.1	2743.7	2732.9
5°	2752.9	2745.2	2715.9	2739.0	2729.8
7.5°	2736.0	2729.8	2703.6	2728.2	2719.0
10°	2712.8	2708.2	2685.0	2709.7	2703.6
12.5°	2683.5	2681.9	2658.8	2686.6	2681.9
15°	2643.4	2643.4	2629.5	2657.3	2652.6
17.5°	2600.2	2601.7	2590.9	2620.2	2617.1
20°	2547.7	2555.4	2547.7	2578.6	2575.5
22.5°	2490.6	2501.4	2498.3	2529.2	2530.7
25°	2430.4	2441.2	2444.3	2476.7	2472.1
27.5°	2364.1	2381.0	2387.2	2416.5	2415.0
30°	2286.9	2310.1	2323.9	2348.6	2356.4
32.5°	2208.2	2236.0	2253.0	2286.9	2296.2
35°	2129.5	2154.2	2182.0	2215.9	2223.6
37.5°	2043.1	2070.9	2107.9	2140.3	2149.6
40°	1956.7	1987.5	2023.0	2058.5	2072.4
42.5°	1867.2	1899.6	1938.2	1979.8	1993.7
45°	1765.3	1808.5	1854.8	1890.3	1902.7
47.5°	1668.1	1716.0	1765.3	1803.9	1817.8
50°	1569.4	1620.3	1672.7	1708.2	1729.8
52.5°	1466.0	1521.5	1574.0	1618.7	1632.6
55°	1361.0	1416.6	1475.2	1523.1	1533.9
57.5°	1259.2	1313.2	1371.8	1416.6	1438.2
60°	1148.1	1206.7	1270.0	1314.7	1337.9
62.5°	1040.1	1097.2	1165.1	1212.9	1231.4
65°	936.7	989.1	1058.6	1108.0	1124.9
67.5°	822.5	882.7	949.0	1006.1	1027.7
70°	709.8	766.9	842.5	896.6	918.2
72.5°	604.9	660.5	736.1	790.1	810.1
75°	493.8	552.4	632.7	686.7	712.9
77.5°	387.3	452.1	529.3	587.9	617.2
80°	288.6	345.7	429.0	493.8	520.0
82.5°	196.0	257.7	344.1	404.3	433.6
85°	120.4	185.2	265.4	322.5	342.6
87.5°	57.1	118.8	192.9	248.4	273.1
90°	7.7	66.4	135.8	189.8	209.9
92.5°	1.5	57.1	125.0	175.9	194.4
95°	1.5	57.1	123.4	172.8	191.3
97.5°	1.5	55.6	121.9	171.3	188.3
100°	1.5	54.0	120.4	168.2	186.7
102.5°	1.5	54.0	117.3	165.1	182.1
105°	1.5	52.5	115.7	162.0	179.0
107.5°	1.5	50.9	112.6	158.9	175.9
110°	1.5	47.8	111.1	154.3	171.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.5	46.3	108.0	151.2	166.7
115°	1.5	44.8	104.9	146.6	162.0
117.5°	1.5	43.2	100.3	142.0	157.4
120°	3.1	43.2	97.2	137.3	151.2
122.5°	3.1	41.7	92.6	131.2	145.1
125°	3.1	40.1	88.0	126.5	140.4
127.5°	3.1	38.6	83.3	120.4	132.7
130°	3.1	35.5	80.2	114.2	126.5
132.5°	3.1	33.9	75.6	106.5	118.8
135°	3.1	30.9	71.0	100.3	112.6
137.5°	3.1	29.3	66.4	94.1	104.9
140°	3.1	27.8	60.2	88.0	98.8
142.5°	3.1	24.7	55.6	81.8	91.0
145°	3.1	23.1	49.4	75.6	83.3
147.5°	3.1	20.1	44.8	69.4	77.2
150°	3.1	18.5	40.1	63.3	71.0
152.5°	3.1	17.0	35.5	55.6	63.3
155°	3.1	15.4	32.4	47.8	57.1
157.5°	3.1	13.9	27.8	41.7	50.9
160°	4.6	12.3	24.7	35.5	43.2
162.5°	4.6	10.8	20.1	29.3	38.6
165°	4.6	10.8	17.0	23.1	32.4
167.5°	4.6	9.3	13.9	18.5	26.2
170°	4.6	7.7	12.3	13.9	20.1
172.5°	4.6	6.2	9.3	9.3	10.8
175°	4.6	6.2	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)