

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: P568174

Luminaire Tested: **8SNX-SL3-FDL-UNV-CC93-CD-4000K-HI**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568174
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-SL3-FDL-UNV-CC93-CD-4000K-HI
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 90CRI, HI LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

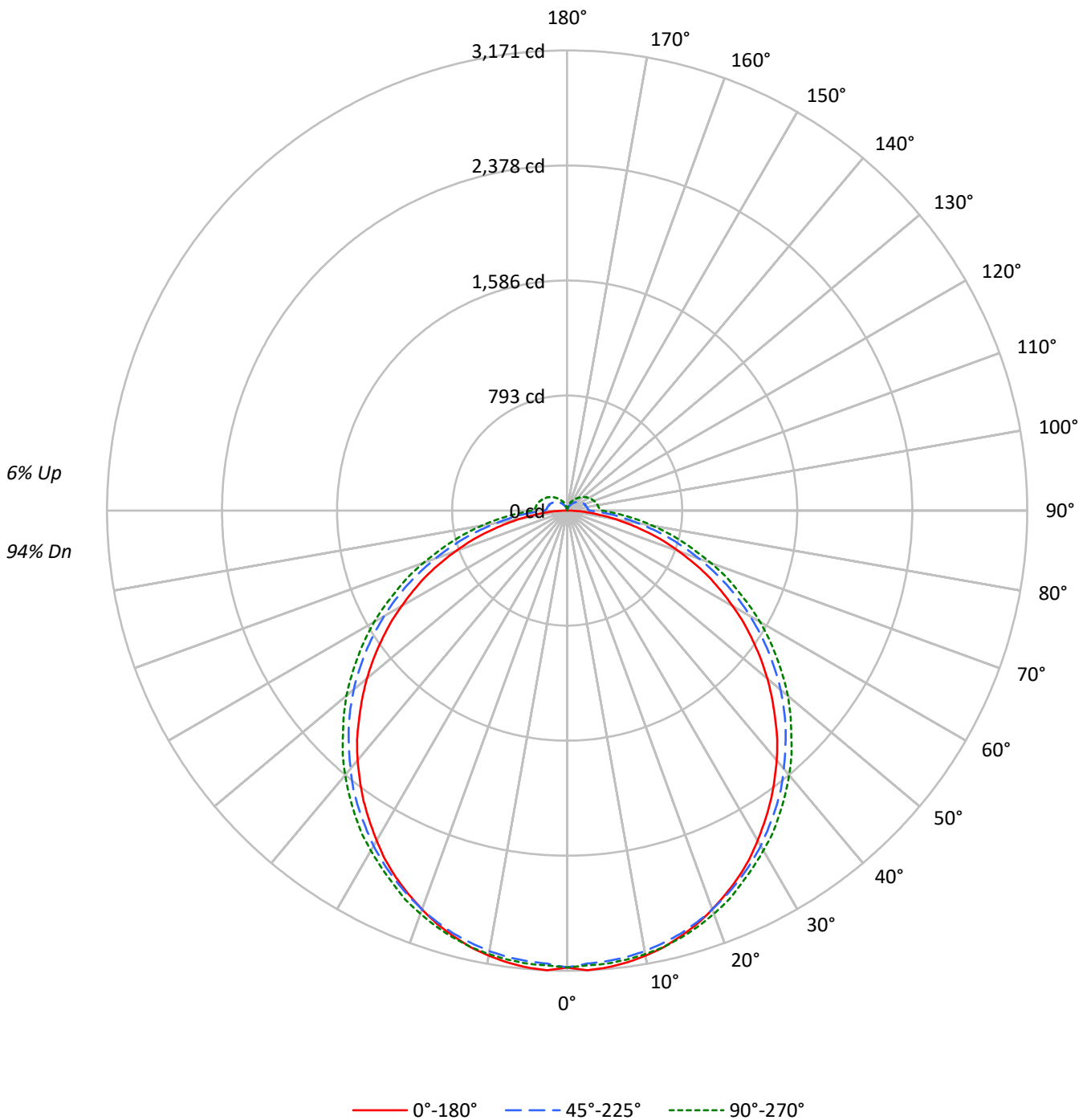
Lumens per Lamp: N/A
Luminaire Lumens: 10004.0 lumens
Efficiency: N/A
Efficacy: 102.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

Input Watts (W): 97.8
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	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					94			
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77					77			
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64					64			
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53					53			
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45					45			
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39					39			
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34					34			
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30					30			
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27					27			
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24					24			
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22					22			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16943	16943	16943
5°	17067	16668	16688
10°	17005	16492	16478
15°	16885	16289	16242
20°	16720	16042	15966
25°	16529	15770	15638
30°	16267	15493	15336
35°	16004	15167	15019
40°	15713	14807	14665
45°	15346	14451	14250
50°	14992	14045	13872
55°	14553	13541	13346
60°	14060	12965	12829
65°	13542	12277	12116
70°	12642	11411	11377
75°	11564	10390	10493
80°	9974	9036	9512
85°	8054	7875	8360



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.6	3.0
10°-20°	856.7	8.6
20°-30°	1298.3	13.0
30°-40°	1567.3	15.7
40°-50°	1636.7	16.4
50°-60°	1503.6	15.0
60°-70°	1189.0	11.9
70°-80°	752.5	7.5
80°-90°	323.5	3.2
90°-100°	142.4	1.4
100°-110°	127.4	1.3
110°-120°	107.6	1.1
120°-130°	83.9	0.8
130°-140°	58.1	0.6
140°-150°	34.8	0.3
150°-160°	17.0	0.2
160°-170°	5.9	0.1
170°-180°	0.9	0.0
0°-30°	2453.6	24.5
0°-40°	4020.9	40.2
0°-60°	7161.1	71.6
0°-90°	9426.0	94.2
90°-120°	377.4	3.8
90°-150°	554.2	5.5
90°-180°	578.0	5.8
0°-180°	10004.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3148	3148	3148	3148	3148	
5°	3160	3152	3118	3144	3134	300
15°	3035	3035	3019	3051	3045	856
25°	2790	2803	2806	2843	2838	1285
35°	2445	2473	2505	2544	2553	1528
45°	2027	2076	2129	2170	2184	1565
55°	1562	1626	1694	1748	1761	1398
65°	1075	1136	1215	1272	1292	1059
75°	567	634	726	788	818	601
85°	138	213	305	370	393	153
90°	9	76	156	218	241	12
95°	2	66	142	198	220	1
105°	2	60	133	186	206	2
115°	2	51	120	168	186	2
125°	4	46	101	145	161	3
135°	4	35	82	115	129	3
145°	4	27	57	87	96	2
155°	4	18	37	55	66	2
165°	5	12	20	27	37	2
175°	5	7	9	9	5	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3148.1	3148.1	3148.1	3148.1	3148.1
2.5°	3171.1	3160.5	3125.0	3149.8	3137.4
5°	3160.5	3151.6	3118.0	3144.5	3133.9
7.5°	3141.0	3133.9	3103.8	3132.1	3121.5
10°	3114.4	3109.1	3082.5	3110.9	3103.8
12.5°	3080.8	3079.0	3052.4	3084.3	3079.0
15°	3034.7	3034.7	3018.7	3050.6	3045.3
17.5°	2985.1	2986.9	2974.5	3008.1	3004.6
20°	2924.9	2933.7	2924.9	2960.3	2956.7
22.5°	2859.3	2871.7	2868.2	2903.6	2905.4
25°	2790.2	2802.6	2806.2	2843.4	2838.0
27.5°	2714.0	2733.5	2740.6	2774.3	2772.5
30°	2625.5	2652.0	2668.0	2696.3	2705.2
32.5°	2535.1	2567.0	2586.5	2625.5	2636.1
35°	2444.8	2473.1	2505.0	2544.0	2552.8
37.5°	2345.6	2377.4	2420.0	2457.2	2467.8
40°	2246.3	2281.8	2322.5	2363.3	2379.2
42.5°	2143.6	2180.8	2225.1	2272.9	2288.9
45°	2026.7	2076.3	2129.4	2170.2	2184.3
47.5°	1915.1	1970.0	2026.7	2071.0	2086.9
50°	1801.7	1860.1	1920.4	1961.1	1985.9
52.5°	1683.0	1746.8	1807.0	1858.4	1874.3
55°	1562.5	1626.3	1693.6	1748.5	1760.9
57.5°	1445.6	1507.6	1574.9	1626.3	1651.1
60°	1318.0	1385.4	1458.0	1509.4	1535.9
62.5°	1194.0	1259.6	1337.5	1392.4	1413.7
65°	1075.3	1135.6	1215.3	1272.0	1291.5
67.5°	944.2	1013.3	1089.5	1155.1	1179.9
70°	814.9	880.5	967.3	1029.3	1054.1
72.5°	694.5	758.2	845.0	907.0	930.1
75°	566.9	634.2	726.3	788.3	818.5
77.5°	444.7	519.1	607.6	675.0	708.6
80°	331.3	396.8	492.5	566.9	597.0
82.5°	225.0	295.9	395.1	464.1	497.8
85°	138.2	212.6	304.7	370.3	393.3
87.5°	65.5	136.4	221.4	285.2	313.6
90°	8.9	76.2	155.9	217.9	240.9
92.5°	1.8	65.5	143.5	202.0	223.2
95°	1.8	65.5	141.7	198.4	219.7
97.5°	1.8	63.8	140.0	196.6	216.1
100°	1.8	62.0	138.2	193.1	214.4
102.5°	1.8	62.0	134.6	189.6	209.0
105°	1.8	60.2	132.9	186.0	205.5
107.5°	1.8	58.5	129.3	182.5	202.0
110°	1.8	54.9	127.6	177.2	196.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	53.1	124.0	173.6	191.3
115°	1.8	51.4	120.5	168.3	186.0
117.5°	1.8	49.6	115.2	163.0	180.7
120°	3.5	49.6	111.6	157.7	173.6
122.5°	3.5	47.8	106.3	150.6	166.5
125°	3.5	46.1	101.0	145.3	161.2
127.5°	3.5	44.3	95.7	138.2	152.4
130°	3.5	40.7	92.1	131.1	145.3
132.5°	3.5	39.0	86.8	122.2	136.4
135°	3.5	35.4	81.5	115.2	129.3
137.5°	3.5	33.7	76.2	108.1	120.5
140°	3.5	31.9	69.1	101.0	113.4
142.5°	3.5	28.3	63.8	93.9	104.5
145°	3.5	26.6	56.7	86.8	95.7
147.5°	3.5	23.0	51.4	79.7	88.6
150°	3.5	21.3	46.1	72.6	81.5
152.5°	3.5	19.5	40.7	63.8	72.6
155°	3.5	17.7	37.2	54.9	65.5
157.5°	3.5	15.9	31.9	47.8	58.5
160°	5.3	14.2	28.3	40.7	49.6
162.5°	5.3	12.4	23.0	33.7	44.3
165°	5.3	12.4	19.5	26.6	37.2
167.5°	5.3	10.6	15.9	21.3	30.1
170°	5.3	8.9	14.2	15.9	23.0
172.5°	5.3	7.1	10.6	10.6	12.4
175°	5.3	7.1	8.9	8.9	5.3
177.5°	5.3	5.3	5.3	5.3	3.5
180°	5.3	5.3	5.3	5.3	5.3

(END OF REPORT)