

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: P568170

Luminaire Tested: **8SNX-SL3-FDL-UNV-CC83-CD-5000K-MED**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568170
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-CC83-CD-5000K-MED
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 80CRI, MED LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

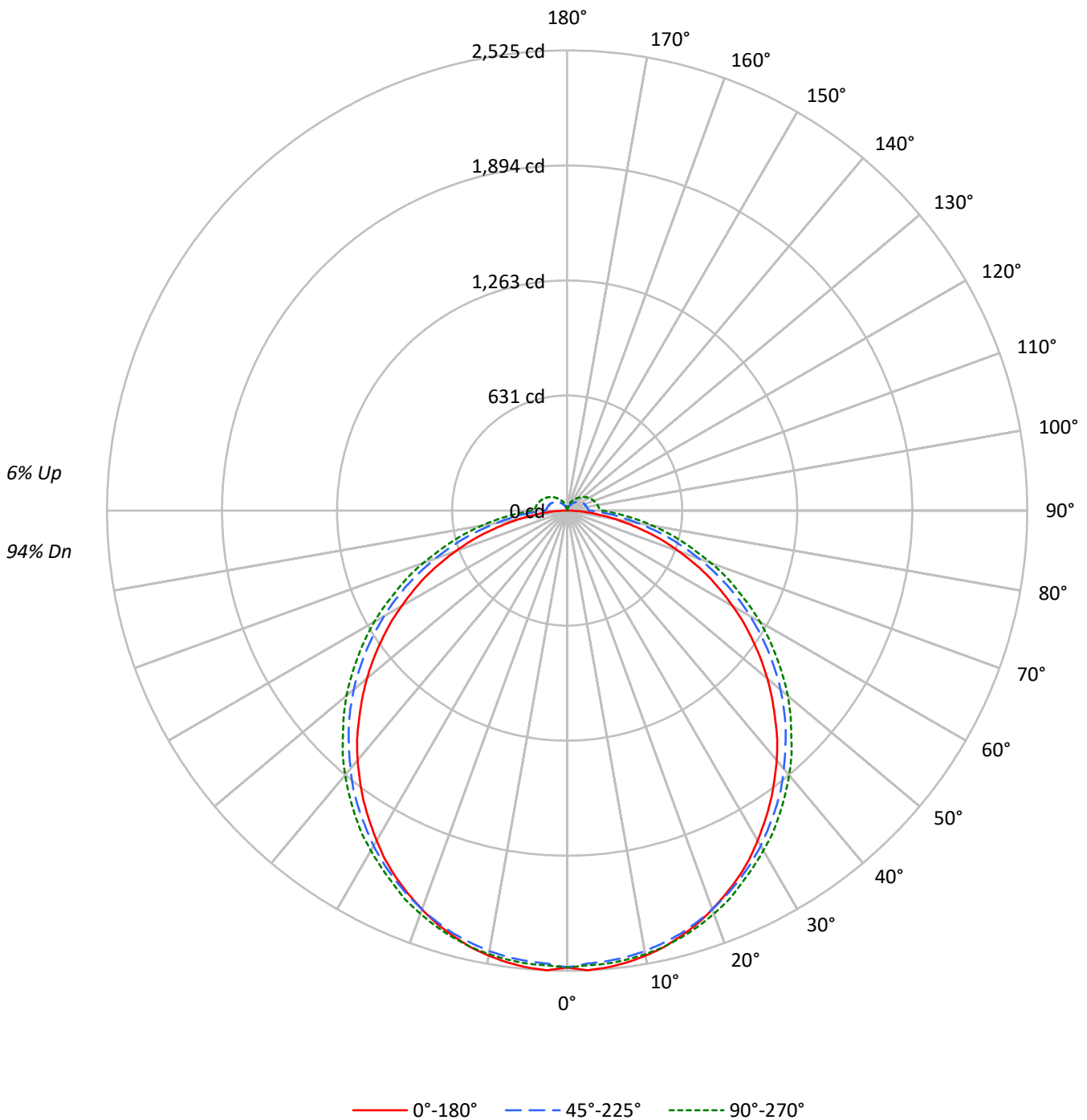
Lumens per Lamp: N/A
Luminaire Lumens: 7966.0 lumens
Efficiency: N/A
Efficacy: 118.1 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

Input Watts (W): 67.452
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°	13491	13491	13491
5°	13590	13272	13288
10°	13540	13133	13121
15°	13446	12971	12933
20°	13314	12774	12713
25°	13162	12558	12452
30°	12953	12337	12212
35°	12744	12078	11960
40°	12512	11791	11677
45°	12219	11507	11347
50°	11938	11184	11047
55°	11588	10783	10627
60°	11196	10324	10215
65°	10784	9776	9648
70°	10067	9086	9059
75°	9208	8274	8355
80°	7941	7196	7575
85°	6411	6270	6658



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	237.7	3.0
10°-20°	682.2	8.6
20°-30°	1033.8	13.0
30°-40°	1248.0	15.7
40°-50°	1303.2	16.4
50°-60°	1197.3	15.0
60°-70°	946.8	11.9
70°-80°	599.2	7.5
80°-90°	257.6	3.2
90°-100°	113.4	1.4
100°-110°	101.5	1.3
110°-120°	85.7	1.1
120°-130°	66.8	0.8
130°-140°	46.2	0.6
140°-150°	27.7	0.3
150°-160°	13.5	0.2
160°-170°	4.7	0.1
170°-180°	0.7	0.0
0°-30°	1953.7	24.5
0°-40°	3201.7	40.2
0°-60°	5702.2	71.6
0°-90°	7505.8	94.2
90°-120°	300.5	3.8
90°-150°	441.3	5.5
90°-180°	460.0	5.8
0°-180°	7966.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2507	2507	2507	2507	2507	
5°	2517	2510	2483	2504	2496	239
15°	2416	2416	2404	2429	2425	682
25°	2222	2232	2234	2264	2260	1023
35°	1947	1969	1995	2026	2033	1217
45°	1614	1653	1696	1728	1739	1246
55°	1244	1295	1349	1392	1402	1113
65°	856	904	968	1013	1028	843
75°	451	505	578	628	652	478
85°	110	169	243	295	313	122
90°	7	61	124	174	192	9
95°	1	52	113	158	175	1
105°	1	48	106	148	164	1
115°	1	41	96	134	148	2
125°	3	37	80	116	128	3
135°	3	28	65	92	103	2
145°	3	21	45	69	76	2
155°	3	14	30	44	52	1
165°	4	10	16	21	30	1
175°	4	6	7	7	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2506.8	2506.8	2506.8	2506.8	2506.8
2.5°	2525.1	2516.6	2488.4	2508.2	2498.3
5°	2516.6	2509.6	2482.8	2503.9	2495.5
7.5°	2501.1	2495.5	2471.5	2494.1	2485.6
10°	2479.9	2475.7	2454.6	2477.1	2471.5
12.5°	2453.1	2451.7	2430.6	2456.0	2451.7
15°	2416.5	2416.5	2403.8	2429.2	2424.9
17.5°	2377.0	2378.4	2368.5	2395.3	2392.5
20°	2329.0	2336.1	2329.0	2357.2	2354.4
22.5°	2276.8	2286.7	2283.9	2312.1	2313.5
25°	2221.8	2231.7	2234.5	2264.1	2259.9
27.5°	2161.1	2176.7	2182.3	2209.1	2207.7
30°	2090.6	2111.8	2124.5	2147.0	2154.1
32.5°	2018.7	2044.1	2059.6	2090.6	2099.1
35°	1946.7	1969.3	1994.7	2025.7	2032.8
37.5°	1867.7	1893.1	1927.0	1956.6	1965.1
40°	1788.7	1816.9	1849.4	1881.8	1894.5
42.5°	1706.9	1736.5	1771.8	1809.9	1822.6
45°	1613.8	1653.3	1695.6	1728.1	1739.3
47.5°	1524.9	1568.7	1613.8	1649.1	1661.8
50°	1434.6	1481.2	1529.2	1561.6	1581.4
52.5°	1340.1	1390.9	1438.9	1479.8	1492.5
55°	1244.2	1295.0	1348.6	1392.3	1402.2
57.5°	1151.1	1200.5	1254.1	1295.0	1314.7
60°	1049.5	1103.1	1161.0	1201.9	1223.0
62.5°	950.8	1003.0	1065.1	1108.8	1125.7
65°	856.3	904.2	967.7	1012.9	1028.4
67.5°	751.9	806.9	867.6	919.8	939.5
70°	648.9	701.1	770.2	819.6	839.3
72.5°	553.0	603.8	672.9	722.3	740.6
75°	451.4	505.0	578.4	627.7	651.7
77.5°	354.1	413.3	483.9	537.5	564.3
80°	263.8	316.0	392.2	451.4	475.4
82.5°	179.2	235.6	314.6	369.6	396.4
85°	110.0	169.3	242.6	294.8	313.2
87.5°	52.2	108.6	176.3	227.1	249.7
90°	7.1	60.7	124.1	173.5	191.9
92.5°	1.4	52.2	114.3	160.8	177.7
95°	1.4	52.2	112.9	158.0	174.9
97.5°	1.4	50.8	111.4	156.6	172.1
100°	1.4	49.4	110.0	153.8	170.7
102.5°	1.4	49.4	107.2	150.9	166.5
105°	1.4	48.0	105.8	148.1	163.6
107.5°	1.4	46.6	103.0	145.3	160.8
110°	1.4	43.7	101.6	141.1	156.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.4	42.3	98.7	138.2	152.4
115°	1.4	40.9	95.9	134.0	148.1
117.5°	1.4	39.5	91.7	129.8	143.9
120°	2.8	39.5	88.9	125.5	138.2
122.5°	2.8	38.1	84.6	119.9	132.6
125°	2.8	36.7	80.4	115.7	128.4
127.5°	2.8	35.3	76.2	110.0	121.3
130°	2.8	32.4	73.4	104.4	115.7
132.5°	2.8	31.0	69.1	97.3	108.6
135°	2.8	28.2	64.9	91.7	103.0
137.5°	2.8	26.8	60.7	86.1	95.9
140°	2.8	25.4	55.0	80.4	90.3
142.5°	2.8	22.6	50.8	74.8	83.2
145°	2.8	21.2	45.1	69.1	76.2
147.5°	2.8	18.3	40.9	63.5	70.5
150°	2.8	16.9	36.7	57.8	64.9
152.5°	2.8	15.5	32.4	50.8	57.8
155°	2.8	14.1	29.6	43.7	52.2
157.5°	2.8	12.7	25.4	38.1	46.6
160°	4.2	11.3	22.6	32.4	39.5
162.5°	4.2	9.9	18.3	26.8	35.3
165°	4.2	9.9	15.5	21.2	29.6
167.5°	4.2	8.5	12.7	16.9	24.0
170°	4.2	7.1	11.3	12.7	18.3
172.5°	4.2	5.6	8.5	8.5	9.9
175°	4.2	5.6	7.1	7.1	4.2
177.5°	4.2	4.2	4.2	4.2	2.8
180°	4.2	4.2	4.2	4.2	4.2

(END OF REPORT)