

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: P568179

Luminaire Tested: **8SNX-SL3-FDL-UNV-CC93-CD-5000K-MED**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568179  
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-5000K-MED  
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 90CRI, MED LUMEN SETTING, AND FDL LENS  
Light Source: -  
Ballast/Driver: -

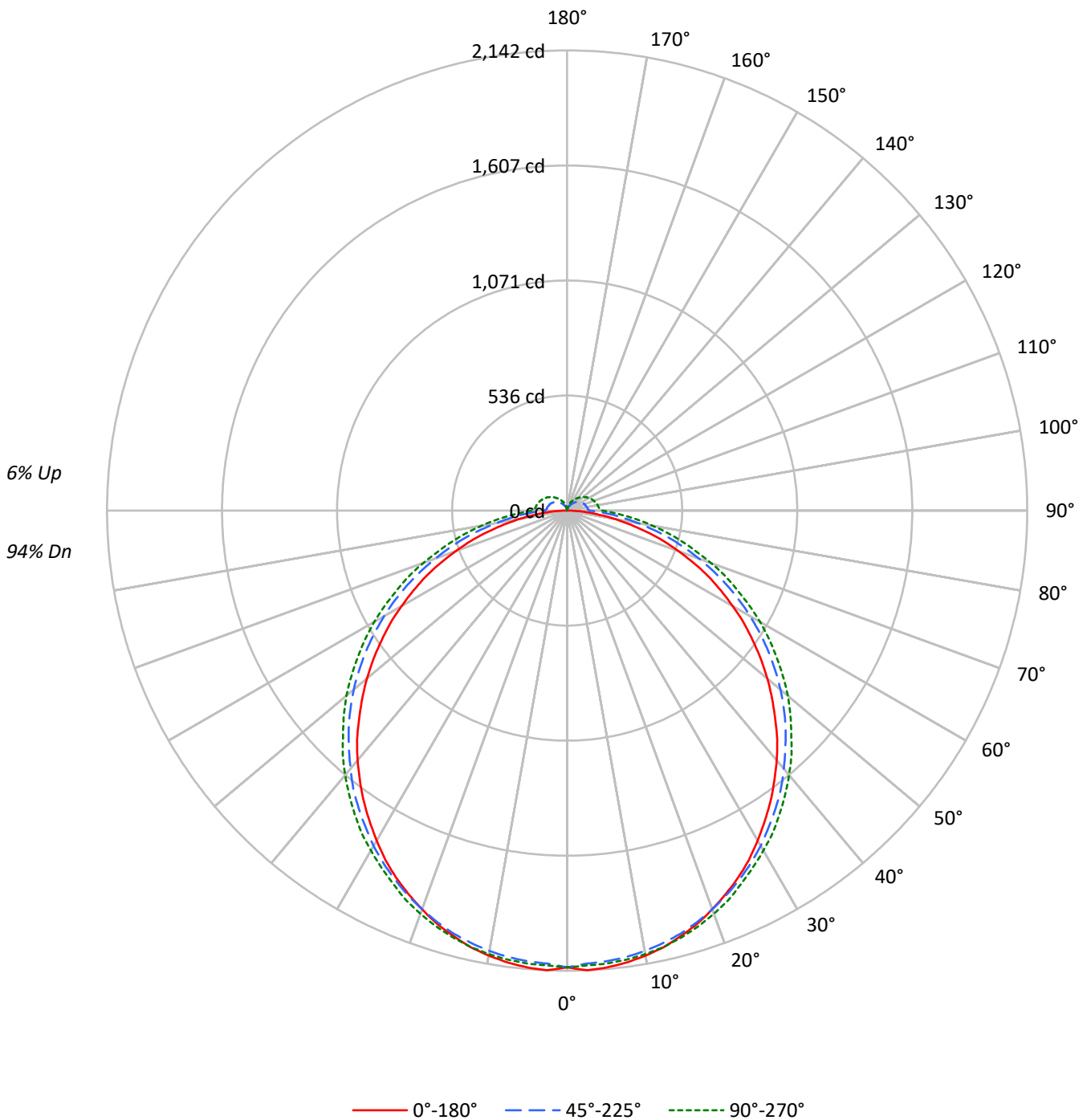
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6757.0 lumens  
Efficiency: N/A  
Efficacy: 100.2 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°	11444	11444	11444
5°	11527	11258	11271
10°	11486	11139	11130
15°	11405	11003	10971
20°	11293	10835	10784
25°	11164	10652	10562
30°	10987	10464	10358
35°	10810	10244	10145
40°	10613	10001	9905
45°	10365	9761	9625
50°	10126	9486	9370
55°	9830	9146	9015
60°	9496	8757	8665
65°	9147	8292	8184
70°	8539	7707	7685
75°	7810	7018	7087
80°	6737	6102	6424
85°	5438	5319	5646



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	201.6	3.0
10°-20°	578.6	8.6
20°-30°	876.9	13.0
30°-40°	1058.6	15.7
40°-50°	1105.4	16.4
50°-60°	1015.5	15.0
60°-70°	803.1	11.9
70°-80°	508.3	7.5
80°-90°	218.5	3.2
90°-100°	96.2	1.4
100°-110°	86.1	1.3
110°-120°	72.7	1.1
120°-130°	56.7	0.8
130°-140°	39.2	0.6
140°-150°	23.5	0.3
150°-160°	11.5	0.2
160°-170°	4.0	0.1
170°-180°	0.6	0.0
0°-30°	1657.2	24.5
0°-40°	2715.8	40.2
0°-60°	4836.8	71.6
0°-90°	6366.6	94.2
90°-120°	254.9	3.8
90°-150°	374.3	5.5
90°-180°	390.0	5.8
0°-180°	6757.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2126	2126	2126	2126	2126	
5°	2135	2129	2106	2124	2117	203
15°	2050	2050	2039	2060	2057	578
25°	1885	1893	1895	1920	1917	868
35°	1651	1670	1692	1718	1724	1032
45°	1369	1402	1438	1466	1475	1057
55°	1055	1098	1144	1181	1189	944
65°	726	767	821	859	872	715
75°	383	428	491	532	553	406
85°	93	144	206	250	266	103
90°	6	52	105	147	163	8
95°	1	44	96	134	148	1
105°	1	41	90	126	139	1
115°	1	35	81	114	126	1
125°	2	31	68	98	109	2
135°	2	24	55	78	87	2
145°	2	18	38	59	65	2
155°	2	12	25	37	44	1
165°	4	8	13	18	25	1
175°	4	5	6	6	4	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2126.3	2126.3	2126.3	2126.3	2126.3
2.5°	2141.9	2134.7	2110.7	2127.5	2119.1
5°	2134.7	2128.7	2106.0	2123.9	2116.7
7.5°	2121.5	2116.7	2096.4	2115.5	2108.4
10°	2103.6	2100.0	2082.0	2101.2	2096.4
12.5°	2080.8	2079.6	2061.7	2083.2	2079.6
15°	2049.7	2049.7	2039.0	2060.5	2056.9
17.5°	2016.2	2017.4	2009.0	2031.8	2029.4
20°	1975.5	1981.5	1975.5	1999.5	1997.1
22.5°	1931.3	1939.6	1937.2	1961.2	1962.4
25°	1884.6	1893.0	1895.4	1920.5	1916.9
27.5°	1833.1	1846.3	1851.1	1873.8	1872.6
30°	1773.3	1791.3	1802.0	1821.2	1827.2
32.5°	1712.3	1733.8	1747.0	1773.3	1780.5
35°	1651.3	1670.4	1691.9	1718.3	1724.3
37.5°	1584.3	1605.8	1634.5	1659.6	1666.8
40°	1517.2	1541.2	1568.7	1596.2	1607.0
42.5°	1447.8	1473.0	1502.9	1535.2	1546.0
45°	1368.9	1402.4	1438.3	1465.8	1475.4
47.5°	1293.5	1330.6	1368.9	1398.8	1409.6
50°	1216.9	1256.4	1297.1	1324.6	1341.4
52.5°	1136.7	1179.8	1220.5	1255.2	1266.0
55°	1055.4	1098.4	1143.9	1181.0	1189.4
57.5°	976.4	1018.3	1063.7	1098.4	1115.2
60°	890.2	935.7	984.8	1019.5	1037.4
62.5°	806.5	850.8	903.4	940.5	954.9
65°	726.3	767.0	820.8	859.1	872.3
67.5°	637.8	684.4	735.9	780.2	796.9
70°	550.4	594.7	653.3	695.2	712.0
72.5°	469.1	512.1	570.8	612.6	628.2
75°	382.9	428.4	490.6	532.5	552.8
77.5°	300.3	350.6	410.4	455.9	478.6
80°	223.8	268.0	332.6	382.9	403.2
82.5°	152.0	199.8	266.8	313.5	336.2
85°	93.3	143.6	205.8	250.1	265.6
87.5°	44.3	92.1	149.6	192.6	211.8
90°	6.0	51.5	105.3	147.2	162.7
92.5°	1.2	44.3	96.9	136.4	150.8
95°	1.2	44.3	95.7	134.0	148.4
97.5°	1.2	43.1	94.5	132.8	146.0
100°	1.2	41.9	93.3	130.4	144.8
102.5°	1.2	41.9	90.9	128.0	141.2
105°	1.2	40.7	89.7	125.6	138.8
107.5°	1.2	39.5	87.3	123.2	136.4
110°	1.2	37.1	86.2	119.7	132.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	35.9	83.8	117.3	129.2
115°	1.2	34.7	81.4	113.7	125.6
117.5°	1.2	33.5	77.8	110.1	122.0
120°	2.4	33.5	75.4	106.5	117.3
122.5°	2.4	32.3	71.8	101.7	112.5
125°	2.4	31.1	68.2	98.1	108.9
127.5°	2.4	29.9	64.6	93.3	102.9
130°	2.4	27.5	62.2	88.5	98.1
132.5°	2.4	26.3	58.6	82.6	92.1
135°	2.4	23.9	55.0	77.8	87.3
137.5°	2.4	22.7	51.5	73.0	81.4
140°	2.4	21.5	46.7	68.2	76.6
142.5°	2.4	19.1	43.1	63.4	70.6
145°	2.4	17.9	38.3	58.6	64.6
147.5°	2.4	15.6	34.7	53.8	59.8
150°	2.4	14.4	31.1	49.1	55.0
152.5°	2.4	13.2	27.5	43.1	49.1
155°	2.4	12.0	25.1	37.1	44.3
157.5°	2.4	10.8	21.5	32.3	39.5
160°	3.6	9.6	19.1	27.5	33.5
162.5°	3.6	8.4	15.6	22.7	29.9
165°	3.6	8.4	13.2	17.9	25.1
167.5°	3.6	7.2	10.8	14.4	20.3
170°	3.6	6.0	9.6	10.8	15.6
172.5°	3.6	4.8	7.2	7.2	8.4
175°	3.6	4.8	6.0	6.0	3.6
177.5°	3.6	3.6	3.6	3.6	2.4
180°	3.6	3.6	3.6	3.6	3.6

(END OF REPORT)