

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: P568176

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568176
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-MED
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 90CRI, MED LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

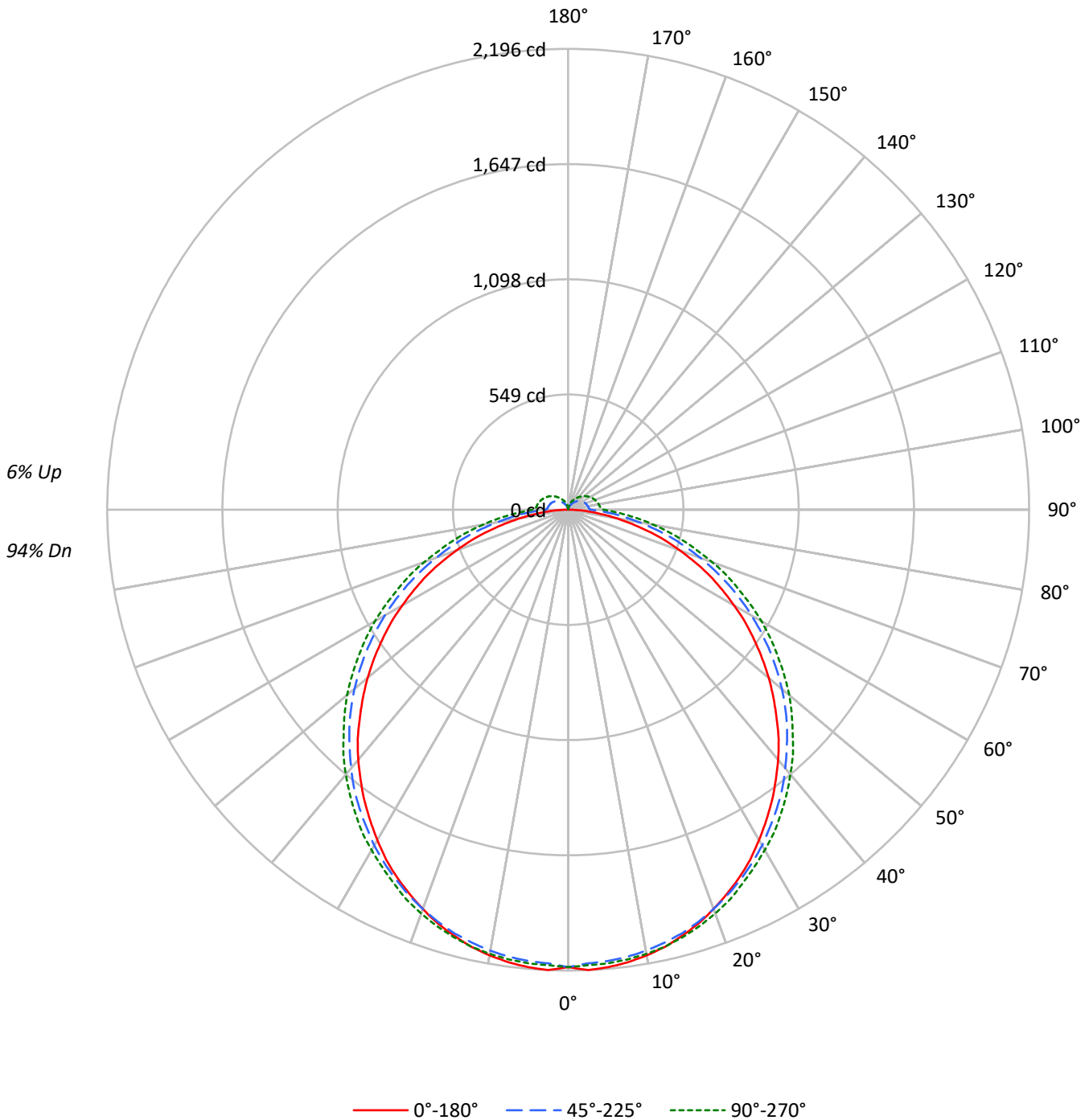
Lumens per Lamp: N/A
Luminaire Lumens: 6927.0 lumens
Efficiency: N/A
Efficacy: 107.3 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

Input Watts (W): 64.548
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

TEST NUMBER: P568176

CATALOG NUMBER: 8SNX-SL3-FDL-UNV-CC93-CD-4000K-MED

Luminous Intensity Polar Plot





TEST NUMBER: P568176

CATALOG NUMBER: 8SNX-SL3-FDL-UNV-CC93-CD-4000K-MED

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°	11732	11732	11732
5°	11817	11541	11555
10°	11774	11420	11409
15°	11692	11279	11246
20°	11577	11108	11055
25°	11445	10919	10828
30°	11264	10728	10619
35°	11082	10502	10400
40°	10880	10253	10154
45°	10626	10007	9867
50°	10381	9725	9606
55°	10077	9376	9241
60°	9735	8977	8883
65°	9378	8501	8389
70°	8754	7901	7878
75°	8006	7194	7265
80°	6906	6256	6587
85°	5578	5454	5788



TEST NUMBER: P568176

CATALOG NUMBER: 8SNX-SL3-FDL-UNV-CC93-CD-4000K-MED

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	206.7	3.0
10°-20°	593.2	8.6
20°-30°	899.0	13.0
30°-40°	1085.2	15.7
40°-50°	1133.3	16.4
50°-60°	1041.1	15.0
60°-70°	823.3	11.9
70°-80°	521.0	7.5
80°-90°	224.0	3.2
90°-100°	98.6	1.4
100°-110°	88.2	1.3
110°-120°	74.5	1.1
120°-130°	58.1	0.8
130°-140°	40.2	0.6
140°-150°	24.1	0.3
150°-160°	11.8	0.2
160°-170°	4.1	0.1
170°-180°	0.6	0.0
0°-30°	1698.9	24.5
0°-40°	2784.1	40.2
0°-60°	4958.5	71.6
0°-90°	6526.8	94.2
90°-120°	261.3	3.8
90°-150°	383.7	5.5
90°-180°	400.0	5.8
0°-180°	6927.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2180	2180	2180	2180	2180	
5°	2188	2182	2159	2177	2170	208
15°	2101	2101	2090	2112	2109	593
25°	1932	1941	1943	1969	1965	890
35°	1693	1712	1734	1762	1768	1058
45°	1403	1438	1474	1503	1512	1084
55°	1082	1126	1173	1211	1219	968
65°	745	786	842	881	894	733
75°	392	439	503	546	567	416
85°	96	147	211	256	272	106
90°	6	53	108	151	167	8
95°	1	45	98	137	152	1
105°	1	42	92	129	142	1
115°	1	36	83	116	129	1
125°	2	32	70	101	112	2
135°	2	24	56	80	90	2
145°	2	18	39	60	66	2
155°	2	12	26	38	45	1
165°	4	9	14	18	26	1
175°	4	5	6	6	4	0
180°	4	4	4	4	4	



TEST NUMBER: P568176

CATALOG NUMBER: 8SNX-SL3-FDL-UNV-CC93-CD-4000K-MED

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2179.8	2179.8	2179.8	2179.8	2179.8
2.5°	2195.7	2188.4	2163.8	2181.0	2172.4
5°	2188.4	2182.2	2158.9	2177.3	2170.0
7.5°	2174.9	2170.0	2149.1	2168.8	2161.4
10°	2156.5	2152.8	2134.4	2154.0	2149.1
12.5°	2133.2	2132.0	2113.6	2135.6	2132.0
15°	2101.3	2101.3	2090.2	2112.3	2108.6
17.5°	2066.9	2068.2	2059.6	2082.9	2080.4
20°	2025.2	2031.4	2025.2	2049.8	2047.3
22.5°	1979.8	1988.4	1986.0	2010.5	2011.7
25°	1932.0	1940.6	1943.0	1968.8	1965.1
27.5°	1879.3	1892.8	1897.7	1921.0	1919.7
30°	1817.9	1836.3	1847.4	1867.0	1873.1
32.5°	1755.4	1777.4	1790.9	1817.9	1825.3
35°	1692.8	1712.4	1734.5	1761.5	1767.6
37.5°	1624.1	1646.2	1675.6	1701.4	1708.8
40°	1555.4	1580.0	1608.2	1636.4	1647.4
42.5°	1484.3	1510.0	1540.7	1573.8	1584.9
45°	1403.3	1437.7	1474.5	1502.7	1512.5
47.5°	1326.0	1364.1	1403.3	1434.0	1445.0
50°	1247.5	1288.0	1329.7	1357.9	1375.1
52.5°	1165.3	1209.5	1251.2	1286.8	1297.8
55°	1081.9	1126.1	1172.7	1210.7	1219.3
57.5°	1001.0	1043.9	1090.5	1126.1	1143.3
60°	912.6	959.3	1009.6	1045.1	1063.5
62.5°	826.8	872.2	926.1	964.2	978.9
65°	744.6	786.3	841.5	880.8	894.2
67.5°	653.8	701.7	754.4	799.8	817.0
70°	564.3	609.7	669.8	712.7	729.9
72.5°	480.9	525.0	585.1	628.1	644.0
75°	392.5	439.1	502.9	545.9	566.7
77.5°	307.9	359.4	420.7	467.4	490.7
80°	229.4	274.8	341.0	392.5	413.4
82.5°	155.8	204.9	273.5	321.4	344.7
85°	95.7	147.2	211.0	256.4	272.3
87.5°	45.4	94.5	153.3	197.5	217.1
90°	6.1	52.7	107.9	150.9	166.8
92.5°	1.2	45.4	99.4	139.8	154.6
95°	1.2	45.4	98.1	137.4	152.1
97.5°	1.2	44.2	96.9	136.2	149.7
100°	1.2	42.9	95.7	133.7	148.4
102.5°	1.2	42.9	93.2	131.3	144.7
105°	1.2	41.7	92.0	128.8	142.3
107.5°	1.2	40.5	89.5	126.3	139.8
110°	1.2	38.0	88.3	122.7	136.2



TEST NUMBER: P568176

CATALOG NUMBER: 8SNX-SL3-FDL-UNV-CC93-CD-4000K-MED

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	36.8	85.9	120.2	132.5
115°	1.2	35.6	83.4	116.5	128.8
117.5°	1.2	34.3	79.7	112.9	125.1
120°	2.5	34.3	77.3	109.2	120.2
122.5°	2.5	33.1	73.6	104.3	115.3
125°	2.5	31.9	69.9	100.6	111.6
127.5°	2.5	30.7	66.2	95.7	105.5
130°	2.5	28.2	63.8	90.8	100.6
132.5°	2.5	27.0	60.1	84.6	94.5
135°	2.5	24.5	56.4	79.7	89.5
137.5°	2.5	23.3	52.7	74.8	83.4
140°	2.5	22.1	47.8	69.9	78.5
142.5°	2.5	19.6	44.2	65.0	72.4
145°	2.5	18.4	39.3	60.1	66.2
147.5°	2.5	15.9	35.6	55.2	61.3
150°	2.5	14.7	31.9	50.3	56.4
152.5°	2.5	13.5	28.2	44.2	50.3
155°	2.5	12.3	25.8	38.0	45.4
157.5°	2.5	11.0	22.1	33.1	40.5
160°	3.7	9.8	19.6	28.2	34.3
162.5°	3.7	8.6	15.9	23.3	30.7
165°	3.7	8.6	13.5	18.4	25.8
167.5°	3.7	7.4	11.0	14.7	20.9
170°	3.7	6.1	9.8	11.0	15.9
172.5°	3.7	4.9	7.4	7.4	8.6
175°	3.7	4.9	6.1	6.1	3.7
177.5°	3.7	3.7	3.7	3.7	2.5
180°	3.7	3.7	3.7	3.7	3.7

(END OF REPORT)