

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: P568173

Luminaire Tested: **8SNX-SL3-FDL-UNV-CC93-CD-3500K-MED**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568173
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-3500K-MED
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 3500K, 90CRI, MED LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

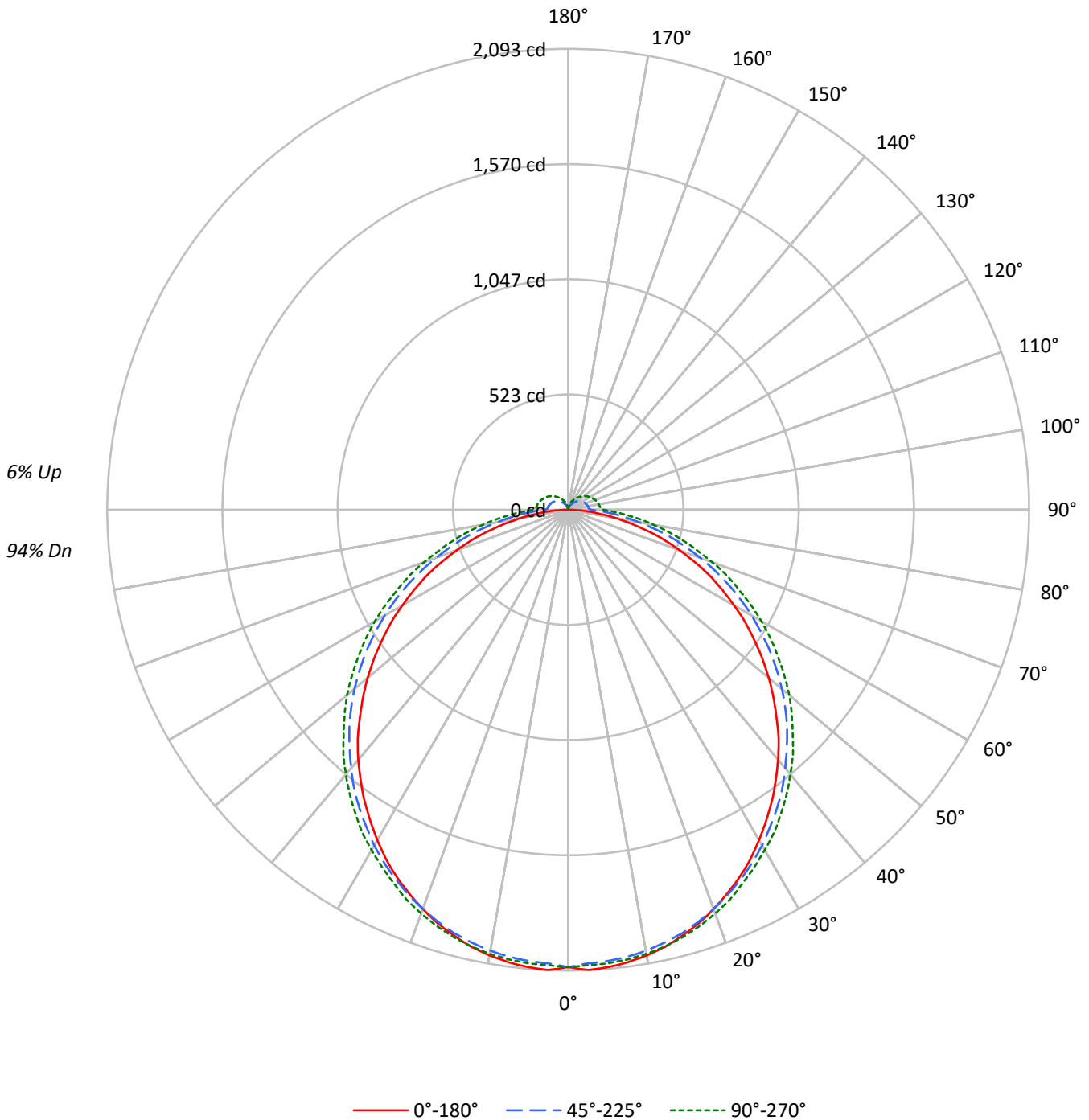
Lumens per Lamp: N/A
Luminaire Lumens: 6602.0 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

Input Watts (W): 66.924
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

TEST NUMBER: P568173

CATALOG NUMBER: 8SNX-SL3-FDL-UNV-CC93-CD-3500K-MED

Luminous Intensity Polar Plot





TEST NUMBER: P568173

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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°	11181	11181	11181
5°	11263	11000	11013
10°	11222	10884	10874
15°	11143	10750	10719
20°	11034	10587	10537
25°	10908	10407	10320
30°	10735	10225	10120
35°	10562	10009	9912
40°	10370	9772	9678
45°	10127	9537	9404
50°	9894	9268	9155
55°	9604	8936	8808
60°	9279	8556	8466
65°	8938	8102	7996
70°	8343	7530	7508
75°	7631	6857	6924
80°	6581	5963	6278
85°	5315	5198	5516



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.0	3.0
10°-20°	565.4	8.6
20°-30°	856.8	13.0
30°-40°	1034.3	15.7
40°-50°	1080.1	16.4
50°-60°	992.3	15.0
60°-70°	784.7	11.9
70°-80°	496.6	7.5
80°-90°	213.5	3.2
90°-100°	94.0	1.4
100°-110°	84.1	1.3
110°-120°	71.0	1.1
120°-130°	55.4	0.8
130°-140°	38.3	0.6
140°-150°	23.0	0.3
150°-160°	11.2	0.2
160°-170°	3.9	0.1
170°-180°	0.6	0.0
0°-30°	1619.2	24.5
0°-40°	2653.5	40.2
0°-60°	4725.8	71.6
0°-90°	6220.5	94.2
90°-120°	249.1	3.8
90°-150°	365.8	5.5
90°-180°	381.0	5.8
0°-180°	6602.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2078	2078	2078	2078	2078	
5°	2086	2080	2058	2075	2068	198
15°	2003	2003	1992	2013	2010	565
25°	1841	1850	1852	1876	1873	848
35°	1613	1632	1653	1679	1685	1009
45°	1338	1370	1405	1432	1442	1033
55°	1031	1073	1118	1154	1162	923
65°	710	749	802	839	852	699
75°	374	418	479	520	540	397
85°	91	140	201	244	260	101
90°	6	50	103	144	159	8
95°	1	43	94	131	145	1
105°	1	40	88	123	136	1
115°	1	34	80	111	123	1
125°	2	30	67	96	106	2
135°	2	23	54	76	85	2
145°	2	18	37	57	63	1
155°	2	12	25	36	43	1
165°	4	8	13	18	25	1
175°	4	5	6	6	4	0
180°	4	4	4	4	4	



TEST NUMBER: P568173

CATALOG NUMBER: 8SNX-SL3-FDL-UNV-CC93-CD-3500K-MED

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2077.5	2077.5	2077.5	2077.5	2077.5
2.5°	2092.7	2085.7	2062.3	2078.7	2070.5
5°	2085.7	2079.9	2057.7	2075.2	2068.2
7.5°	2072.8	2068.2	2048.3	2067.0	2060.0
10°	2055.3	2051.8	2034.3	2053.0	2048.3
12.5°	2033.1	2031.9	2014.4	2035.4	2031.9
15°	2002.7	2002.7	1992.2	2013.2	2009.7
17.5°	1970.0	1971.1	1963.0	1985.2	1982.8
20°	1930.2	1936.1	1930.2	1953.6	1951.3
22.5°	1887.0	1895.1	1892.8	1916.2	1917.4
25°	1841.4	1849.5	1851.9	1876.4	1872.9
27.5°	1791.1	1804.0	1808.6	1830.8	1829.7
30°	1732.6	1750.2	1760.7	1779.4	1785.2
32.5°	1673.0	1694.1	1706.9	1732.6	1739.6
35°	1613.4	1632.1	1653.1	1678.9	1684.7
37.5°	1547.9	1569.0	1597.0	1621.6	1628.6
40°	1482.4	1505.8	1532.7	1559.6	1570.1
42.5°	1414.6	1439.2	1468.4	1500.0	1510.5
45°	1337.5	1370.2	1405.3	1432.2	1441.5
47.5°	1263.8	1300.1	1337.5	1366.7	1377.2
50°	1189.0	1227.6	1267.3	1294.2	1310.6
52.5°	1110.7	1152.8	1192.5	1226.4	1236.9
55°	1031.2	1073.3	1117.7	1153.9	1162.1
57.5°	954.0	994.9	1039.3	1073.3	1089.6
60°	869.8	914.3	962.2	996.1	1013.6
62.5°	788.0	831.2	882.7	918.9	933.0
65°	709.7	749.4	802.0	839.4	852.3
67.5°	623.1	668.7	719.0	762.3	778.6
70°	537.8	581.1	638.3	679.3	695.6
72.5°	458.3	500.4	557.7	598.6	613.8
75°	374.1	418.5	479.3	520.3	540.1
77.5°	293.4	342.6	401.0	445.4	467.6
80°	218.6	261.9	325.0	374.1	394.0
82.5°	148.5	195.2	260.7	306.3	328.5
85°	91.2	140.3	201.1	244.3	259.5
87.5°	43.3	90.0	146.1	188.2	206.9
90°	5.8	50.3	102.9	143.8	159.0
92.5°	1.2	43.3	94.7	133.3	147.3
95°	1.2	43.3	93.5	130.9	145.0
97.5°	1.2	42.1	92.4	129.8	142.6
100°	1.2	40.9	91.2	127.4	141.5
102.5°	1.2	40.9	88.9	125.1	138.0
105°	1.2	39.8	87.7	122.8	135.6
107.5°	1.2	38.6	85.3	120.4	133.3
110°	1.2	36.2	84.2	116.9	129.8



TEST NUMBER: P568173

CATALOG NUMBER: 8SNX-SL3-FDL-UNV-CC93-CD-3500K-MED

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.2	35.1	81.8	114.6	126.3
115°	1.2	33.9	79.5	111.1	122.8
117.5°	1.2	32.7	76.0	107.6	119.3
120°	2.3	32.7	73.7	104.1	114.6
122.5°	2.3	31.6	70.1	99.4	109.9
125°	2.3	30.4	66.6	95.9	106.4
127.5°	2.3	29.2	63.1	91.2	100.5
130°	2.3	26.9	60.8	86.5	95.9
132.5°	2.3	25.7	57.3	80.7	90.0
135°	2.3	23.4	53.8	76.0	85.3
137.5°	2.3	22.2	50.3	71.3	79.5
140°	2.3	21.0	45.6	66.6	74.8
142.5°	2.3	18.7	42.1	62.0	69.0
145°	2.3	17.5	37.4	57.3	63.1
147.5°	2.3	15.2	33.9	52.6	58.5
150°	2.3	14.0	30.4	47.9	53.8
152.5°	2.3	12.9	26.9	42.1	47.9
155°	2.3	11.7	24.6	36.2	43.3
157.5°	2.3	10.5	21.0	31.6	38.6
160°	3.5	9.4	18.7	26.9	32.7
162.5°	3.5	8.2	15.2	22.2	29.2
165°	3.5	8.2	12.9	17.5	24.6
167.5°	3.5	7.0	10.5	14.0	19.9
170°	3.5	5.8	9.4	10.5	15.2
172.5°	3.5	4.7	7.0	7.0	8.2
175°	3.5	4.7	5.8	5.8	3.5
177.5°	3.5	3.5	3.5	3.5	2.3
180°	3.5	3.5	3.5	3.5	3.5

(END OF REPORT)