

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: P568178

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568178
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-LOW
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 5000K, 90CRI, LOW LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

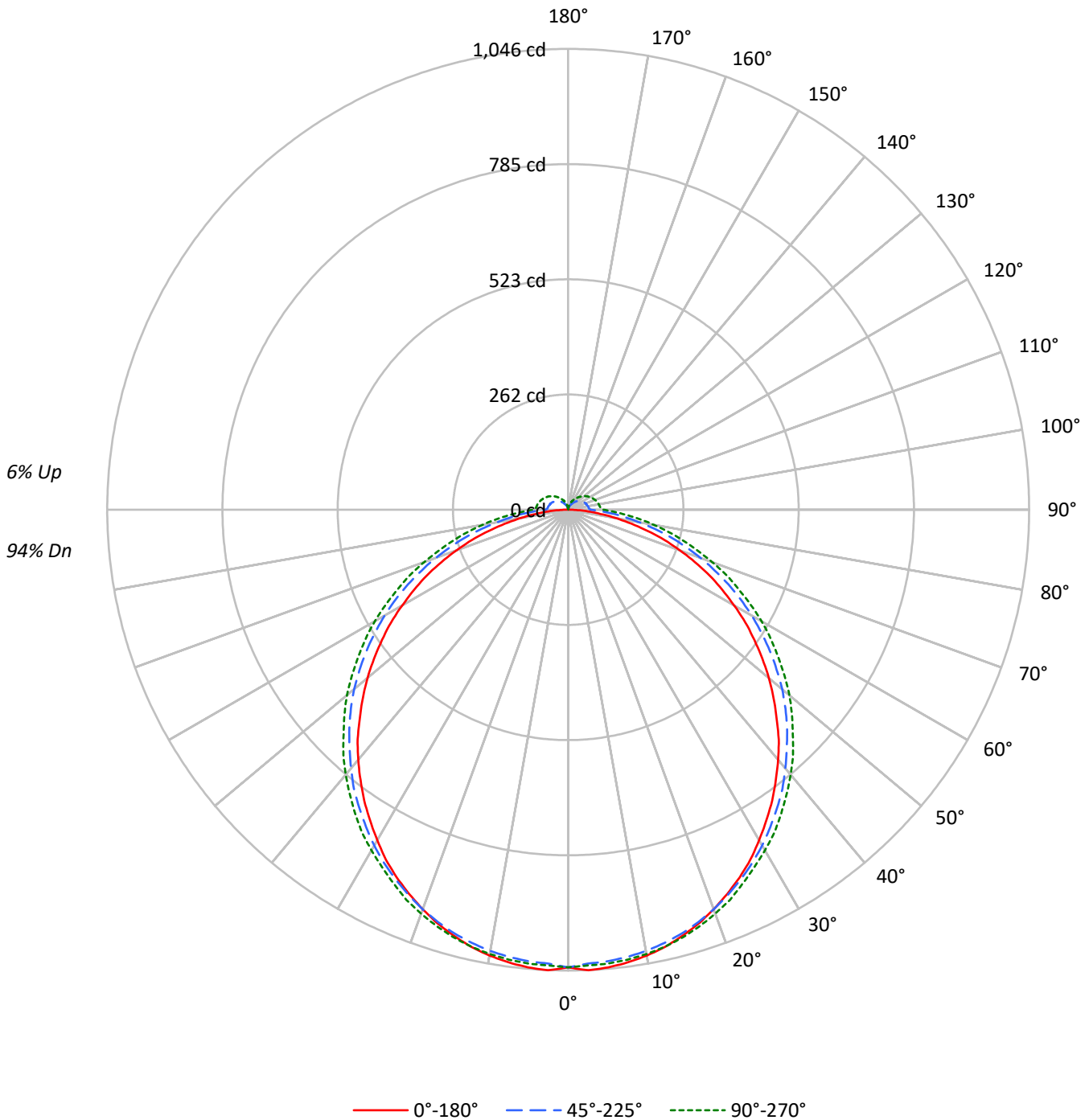
Lumens per Lamp: N/A
Luminaire Lumens: 3301.0 lumens
Efficiency: N/A
Efficacy: 97.9 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

Input Watts (W): 33.726
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: P568178

CATALOG NUMBER: 8SNX-SL3-FDL-UNV-CC93-CD-5000K-LOW

Luminous Intensity Polar Plot





TEST NUMBER: P568178

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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°	5591	5591	5591
5°	5632	5500	5506
10°	5611	5442	5437
15°	5572	5375	5360
20°	5517	5293	5268
25°	5454	5203	5160
30°	5368	5112	5060
35°	5281	5005	4956
40°	5185	4886	4839
45°	5063	4768	4702
50°	4947	4635	4578
55°	4802	4468	4404
60°	4639	4278	4233
65°	4468	4051	3998
70°	4172	3766	3754
75°	3816	3429	3463
80°	3290	2981	3139
85°	2658	2598	2759



TEST NUMBER: P568178

CATALOG NUMBER: 8SNX-SL3-FDL-UNV-CC93-CD-5000K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.5	3.0
10°-20°	282.7	8.6
20°-30°	428.4	13.0
30°-40°	517.2	15.7
40°-50°	540.0	16.4
50°-60°	496.1	15.0
60°-70°	392.3	11.9
70°-80°	248.3	7.5
80°-90°	106.7	3.2
90°-100°	47.0	1.4
100°-110°	42.0	1.3
110°-120°	35.5	1.1
120°-130°	27.7	0.8
130°-140°	19.2	0.6
140°-150°	11.5	0.3
150°-160°	5.6	0.2
160°-170°	1.9	0.1
170°-180°	0.3	0.0
0°-30°	809.6	24.5
0°-40°	1326.8	40.2
0°-60°	2362.9	71.6
0°-90°	3110.3	94.2
90°-120°	124.5	3.8
90°-150°	182.9	5.5
90°-180°	191.0	5.8
0°-180°	3301.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1039	1039	1039	1039	1039	
5°	1043	1040	1029	1038	1034	99
15°	1001	1001	996	1007	1005	283
25°	921	925	926	938	936	424
35°	807	816	827	839	842	504
45°	669	685	703	716	721	516
55°	516	537	559	577	581	461
65°	355	375	401	420	426	349
75°	187	209	240	260	270	198
85°	46	70	100	122	130	50
90°	3	25	51	72	80	4
95°	1	22	47	66	72	0
105°	1	20	44	61	68	1
115°	1	17	40	56	61	1
125°	1	15	33	48	53	1
135°	1	12	27	38	43	1
145°	1	9	19	29	32	1
155°	1	6	12	18	22	1
165°	2	4	6	9	12	1
175°	2	2	3	3	2	0
180°	2	2	2	2	2	



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CATALOG NUMBER: 8SNX-SL3-FDL-UNV-CC93-CD-5000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1038.8	1038.8	1038.8	1038.8	1038.8
2.5°	1046.4	1042.9	1031.2	1039.3	1035.3
5°	1042.9	1039.9	1028.8	1037.6	1034.1
7.5°	1036.4	1034.1	1024.1	1033.5	1030.0
10°	1027.7	1025.9	1017.1	1026.5	1024.1
12.5°	1016.5	1016.0	1007.2	1017.7	1016.0
15°	1001.4	1001.4	996.1	1006.6	1004.9
17.5°	985.0	985.6	981.5	992.6	991.4
20°	965.1	968.0	965.1	976.8	975.6
22.5°	943.5	947.6	946.4	958.1	958.7
25°	920.7	924.8	925.9	938.2	936.5
27.5°	895.5	902.0	904.3	915.4	914.8
30°	866.3	875.1	880.3	889.7	892.6
32.5°	836.5	847.0	853.5	866.3	869.8
35°	806.7	816.0	826.6	839.4	842.4
37.5°	774.0	784.5	798.5	810.8	814.3
40°	741.2	752.9	766.4	779.8	785.1
42.5°	707.3	719.6	734.2	750.0	755.3
45°	668.7	685.1	702.6	716.1	720.8
47.5°	631.9	650.0	668.7	683.4	688.6
50°	594.5	613.8	633.7	647.1	655.3
52.5°	555.3	576.4	596.3	613.2	618.5
55°	515.6	536.6	558.8	577.0	581.1
57.5°	477.0	497.5	519.7	536.6	544.8
60°	434.9	457.1	481.1	498.0	506.8
62.5°	394.0	415.6	441.3	459.5	466.5
65°	354.8	374.7	401.0	419.7	426.1
67.5°	311.6	334.4	359.5	381.1	389.3
70°	268.9	290.5	319.2	339.6	347.8
72.5°	229.1	250.2	278.8	299.3	306.9
75°	187.1	209.3	239.7	260.1	270.1
77.5°	146.7	171.3	200.5	222.7	233.8
80°	109.3	130.9	162.5	187.1	197.0
82.5°	74.2	97.6	130.4	153.2	164.3
85°	45.6	70.1	100.5	122.2	129.8
87.5°	21.6	45.0	73.1	94.1	103.5
90°	2.9	25.1	51.4	71.9	79.5
92.5°	0.6	21.6	47.3	66.6	73.7
95°	0.6	21.6	46.8	65.5	72.5
97.5°	0.6	21.0	46.2	64.9	71.3
100°	0.6	20.5	45.6	63.7	70.7
102.5°	0.6	20.5	44.4	62.5	69.0
105°	0.6	19.9	43.8	61.4	67.8
107.5°	0.6	19.3	42.7	60.2	66.6
110°	0.6	18.1	42.1	58.5	64.9



TEST NUMBER: P568178

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	17.5	40.9	57.3	63.1
115°	0.6	17.0	39.8	55.5	61.4
117.5°	0.6	16.4	38.0	53.8	59.6
120°	1.2	16.4	36.8	52.0	57.3
122.5°	1.2	15.8	35.1	49.7	54.9
125°	1.2	15.2	33.3	47.9	53.2
127.5°	1.2	14.6	31.6	45.6	50.3
130°	1.2	13.4	30.4	43.3	47.9
132.5°	1.2	12.9	28.6	40.3	45.0
135°	1.2	11.7	26.9	38.0	42.7
137.5°	1.2	11.1	25.1	35.7	39.8
140°	1.2	10.5	22.8	33.3	37.4
142.5°	1.2	9.4	21.0	31.0	34.5
145°	1.2	8.8	18.7	28.6	31.6
147.5°	1.2	7.6	17.0	26.3	29.2
150°	1.2	7.0	15.2	24.0	26.9
152.5°	1.2	6.4	13.4	21.0	24.0
155°	1.2	5.8	12.3	18.1	21.6
157.5°	1.2	5.3	10.5	15.8	19.3
160°	1.8	4.7	9.4	13.4	16.4
162.5°	1.8	4.1	7.6	11.1	14.6
165°	1.8	4.1	6.4	8.8	12.3
167.5°	1.8	3.5	5.3	7.0	9.9
170°	1.8	2.9	4.7	5.3	7.6
172.5°	1.8	2.3	3.5	3.5	4.1
175°	1.8	2.3	2.9	2.9	1.8
177.5°	1.8	1.8	1.8	1.8	1.2
180°	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)