

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: P568166

Luminaire Tested: **8SNX-SL3-FDL-UNV-CC83-CD-4000K-LOW**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568166
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-4000K-LOW
Description: 8FT 12000 LUMEN, CCT AND LUMEN SELECTABLE SNX FIXTURE WITH, 4000K, 80CRI, LOW LUMEN SETTING, AND FDL LENS
Light Source: -
Ballast/Driver: -

Summary

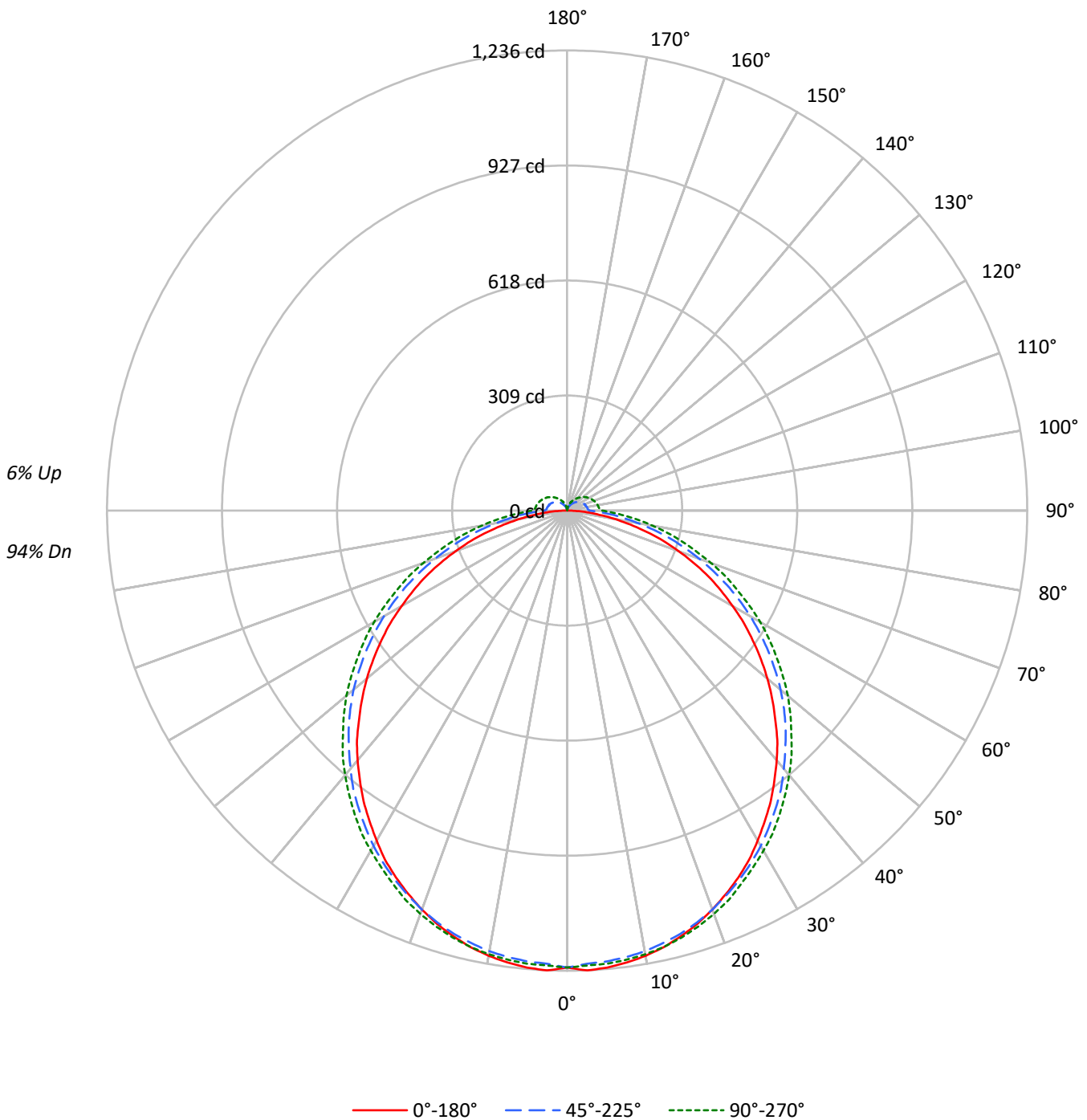
Lumens per Lamp: N/A
Luminaire Lumens: 3900.0 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.04')
CIE Type: Direct

Input Watts (W): 32.274
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: P568166

CATALOG NUMBER: 8SNX-SL3-FDL-UNV-CC83-CD-4000K-LOW

Luminous Intensity Polar Plot





TEST NUMBER: P568166

CATALOG NUMBER: 8SNX-SL3-FDL-UNV-CC83-CD-4000K-LOW

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°	6605	6605	6605
5°	6653	6498	6505
10°	6629	6429	6424
15°	6583	6350	6332
20°	6518	6254	6224
25°	6443	6148	6096
30°	6342	6040	5979
35°	6239	5913	5855
40°	6126	5772	5717
45°	5982	5633	5556
50°	5845	5475	5408
55°	5673	5279	5203
60°	5481	5054	5002
65°	5279	4786	4724
70°	4929	4449	4435
75°	4508	4051	4091
80°	3886	3523	3708
85°	3141	3071	3259



TEST NUMBER: P568166

CATALOG NUMBER: 8SNX-SL3-FDL-UNV-CC83-CD-4000K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.4	3.0
10°-20°	334.0	8.6
20°-30°	506.1	13.0
30°-40°	611.0	15.7
40°-50°	638.0	16.4
50°-60°	586.2	15.0
60°-70°	463.5	11.9
70°-80°	293.4	7.5
80°-90°	126.1	3.2
90°-100°	55.5	1.4
100°-110°	49.7	1.3
110°-120°	42.0	1.1
120°-130°	32.7	0.8
130°-140°	22.6	0.6
140°-150°	13.6	0.3
150°-160°	6.6	0.2
160°-170°	2.3	0.1
170°-180°	0.3	0.0
0°-30°	956.5	24.5
0°-40°	1567.5	40.2
0°-60°	2791.7	71.6
0°-90°	3674.6	94.2
90°-120°	147.1	3.8
90°-150°	216.1	5.5
90°-180°	225.0	5.8
0°-180°	3900.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1227	1227	1227	1227	1227	
5°	1232	1229	1216	1226	1222	117
15°	1183	1183	1177	1189	1187	334
25°	1088	1093	1094	1108	1106	501
35°	953	964	977	992	995	596
45°	790	809	830	846	852	610
55°	609	634	660	682	686	545
65°	419	443	474	496	504	413
75°	221	247	283	307	319	234
85°	54	83	119	144	153	60
90°	4	30	61	85	94	5
95°	1	26	55	77	86	1
105°	1	24	52	72	80	1
115°	1	20	47	66	72	1
125°	1	18	39	57	63	1
135°	1	14	32	45	50	1
145°	1	10	22	34	37	1
155°	1	7	14	21	26	1
165°	2	5	8	10	14	1
175°	2	3	4	4	2	0
180°	2	2	2	2	2	



TEST NUMBER: P568166

CATALOG NUMBER: 8SNX-SL3-FDL-UNV-CC83-CD-4000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1227.3	1227.3	1227.3	1227.3	1227.3
2.5°	1236.2	1232.1	1218.3	1227.9	1223.1
5°	1232.1	1228.6	1215.5	1225.9	1221.7
7.5°	1224.5	1221.7	1210.0	1221.0	1216.9
10°	1214.1	1212.1	1201.7	1212.8	1210.0
12.5°	1201.0	1200.3	1190.0	1202.4	1200.3
15°	1183.1	1183.1	1176.8	1189.3	1187.2
17.5°	1163.7	1164.4	1159.6	1172.7	1171.3
20°	1140.2	1143.7	1140.2	1154.0	1152.7
22.5°	1114.7	1119.5	1118.1	1131.9	1132.6
25°	1087.7	1092.6	1094.0	1108.5	1106.4
27.5°	1058.1	1065.6	1068.4	1081.5	1080.8
30°	1023.5	1033.9	1040.1	1051.1	1054.6
32.5°	988.3	1000.7	1008.3	1023.5	1027.7
35°	953.1	964.1	976.6	991.8	995.2
37.5°	914.4	926.8	943.4	957.9	962.1
40°	875.7	889.5	905.4	921.3	927.5
42.5°	835.7	850.2	867.4	886.1	892.3
45°	790.1	809.4	830.1	846.0	851.6
47.5°	746.6	768.0	790.1	807.4	813.6
50°	702.4	725.2	748.6	764.5	774.2
52.5°	656.1	681.0	704.4	724.5	730.7
55°	609.1	634.0	660.2	681.7	686.5
57.5°	563.6	587.7	614.0	634.0	643.7
60°	513.8	540.1	568.4	588.4	598.8
62.5°	465.5	491.0	521.4	542.8	551.1
65°	419.2	442.7	473.8	495.9	503.5
67.5°	368.1	395.0	424.7	450.3	460.0
70°	317.7	343.2	377.1	401.3	410.9
72.5°	270.7	295.6	329.4	353.6	362.6
75°	221.0	247.2	283.2	307.3	319.1
77.5°	173.3	202.4	236.9	263.1	276.3
80°	129.1	154.7	192.0	221.0	232.7
82.5°	87.7	115.3	154.0	180.9	194.1
85°	53.9	82.9	118.8	144.3	153.3
87.5°	25.6	53.2	86.3	111.2	122.2
90°	3.5	29.7	60.8	84.9	93.9
92.5°	0.7	25.6	55.9	78.7	87.0
95°	0.7	25.6	55.3	77.4	85.6
97.5°	0.7	24.9	54.6	76.7	84.3
100°	0.7	24.2	53.9	75.3	83.6
102.5°	0.7	24.2	52.5	73.9	81.5
105°	0.7	23.5	51.8	72.5	80.1
107.5°	0.7	22.8	50.4	71.1	78.7
110°	0.7	21.4	49.7	69.1	76.7



TEST NUMBER: P568166

CATALOG NUMBER: 8SNX-SL3-FDL-UNV-CC83-CD-4000K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	20.7	48.3	67.7	74.6
115°	0.7	20.0	47.0	65.6	72.5
117.5°	0.7	19.3	44.9	63.5	70.4
120°	1.4	19.3	43.5	61.5	67.7
122.5°	1.4	18.6	41.4	58.7	64.9
125°	1.4	18.0	39.4	56.6	62.8
127.5°	1.4	17.3	37.3	53.9	59.4
130°	1.4	15.9	35.9	51.1	56.6
132.5°	1.4	15.2	33.8	47.7	53.2
135°	1.4	13.8	31.8	44.9	50.4
137.5°	1.4	13.1	29.7	42.1	47.0
140°	1.4	12.4	26.9	39.4	44.2
142.5°	1.4	11.1	24.9	36.6	40.7
145°	1.4	10.4	22.1	33.8	37.3
147.5°	1.4	9.0	20.0	31.1	34.5
150°	1.4	8.3	18.0	28.3	31.8
152.5°	1.4	7.6	15.9	24.9	28.3
155°	1.4	6.9	14.5	21.4	25.6
157.5°	1.4	6.2	12.4	18.6	22.8
160°	2.1	5.5	11.1	15.9	19.3
162.5°	2.1	4.8	9.0	13.1	17.3
165°	2.1	4.8	7.6	10.4	14.5
167.5°	2.1	4.1	6.2	8.3	11.7
170°	2.1	3.5	5.5	6.2	9.0
172.5°	2.1	2.8	4.1	4.1	4.8
175°	2.1	2.8	3.5	3.5	2.1
177.5°	2.1	2.1	2.1	2.1	1.4
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)