

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: P567779

Luminaire Tested: **8SNX-44SL-FDL-UNV-L835-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567779  
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-44SL-FDL-UNV-L835-CD  
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

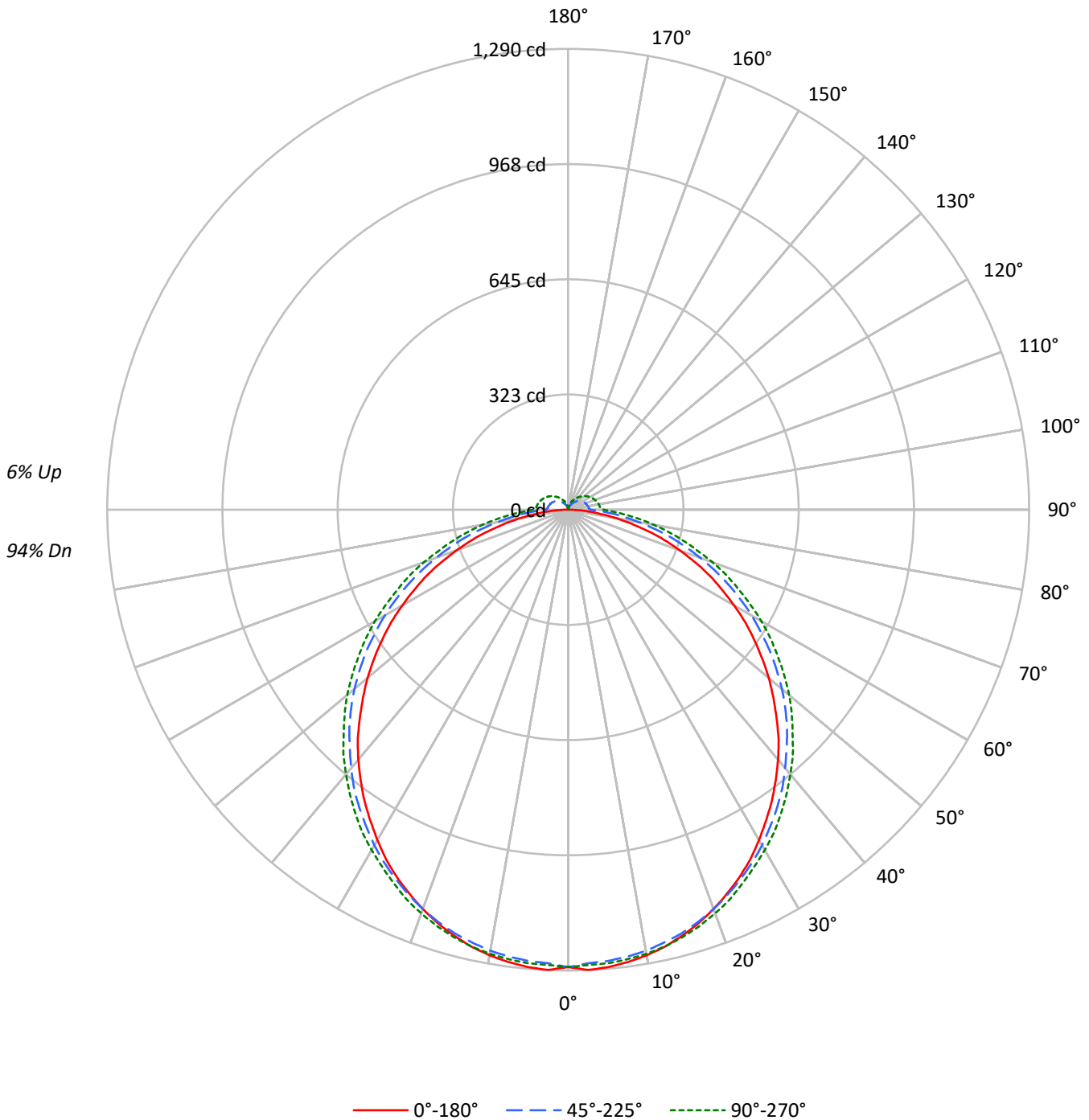
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4068.0 lumens  
Efficiency: N/A  
Efficacy: 147.4 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): 27.6  
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: P567779  
CATALOG NUMBER: 8SNX-44SL-FDL-UNV-L835-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P567779

CATALOG NUMBER: 8SNX-44SL-FDL-UNV-L835-CD

**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°	6889	6889	6889
5°	6940	6778	6786
10°	6915	6707	6700
15°	6866	6624	6605
20°	6799	6524	6492
25°	6721	6413	6359
30°	6615	6300	6236
35°	6508	6168	6108
40°	6389	6021	5963
45°	6240	5876	5795
50°	6096	5711	5641
55°	5918	5506	5427
60°	5718	5272	5217
65°	5507	4992	4927
70°	5141	4640	4626
75°	4702	4226	4267
80°	4055	3675	3869
85°	3275	3202	3399



TEST NUMBER: P567779

CATALOG NUMBER: 8SNX-44SL-FDL-UNV-L835-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	121.4	3.0
10°-20°	348.4	8.6
20°-30°	527.9	13.0
30°-40°	637.3	15.7
40°-50°	665.5	16.4
50°-60°	611.4	15.0
60°-70°	483.5	11.9
70°-80°	306.0	7.5
80°-90°	131.5	3.2
90°-100°	57.9	1.4
100°-110°	51.8	1.3
110°-120°	43.8	1.1
120°-130°	34.1	0.8
130°-140°	23.6	0.6
140°-150°	14.2	0.3
150°-160°	6.9	0.2
160°-170°	2.4	0.1
170°-180°	0.4	0.0
0°-30°	997.7	24.5
0°-40°	1635.0	40.2
0°-60°	2912.0	71.6
0°-90°	3833.0	94.2
90°-120°	153.5	3.8
90°-150°	225.4	5.5
90°-180°	235.0	5.8
0°-180°	4068.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1280	1280	1280	1280	1280	
5°	1285	1282	1268	1279	1274	122
15°	1234	1234	1228	1240	1238	348
25°	1135	1140	1141	1156	1154	522
35°	994	1006	1019	1034	1038	621
45°	824	844	866	882	888	637
55°	635	661	689	711	716	568
65°	437	462	494	517	525	431
75°	230	258	295	321	333	244
85°	56	86	124	151	160	62
90°	4	31	63	89	98	5
95°	1	27	58	81	89	1
105°	1	24	54	76	84	1
115°	1	21	49	68	76	1
125°	1	19	41	59	66	1
135°	1	14	33	47	53	1
145°	1	11	23	35	39	1
155°	1	7	15	22	27	1
165°	2	5	8	11	15	1
175°	2	3	4	4	2	0
180°	2	2	2	2	2	



TEST NUMBER: P567779

CATALOG NUMBER: 8SNX-44SL-FDL-UNV-L835-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1280.1	1280.1	1280.1	1280.1	1280.1
2.5°	1289.5	1285.2	1270.8	1280.8	1275.8
5°	1285.2	1281.6	1267.9	1278.7	1274.4
7.5°	1277.2	1274.4	1262.1	1273.6	1269.3
10°	1266.4	1264.3	1253.5	1265.0	1262.1
12.5°	1252.7	1252.0	1241.2	1254.2	1252.0
15°	1234.0	1234.0	1227.5	1240.5	1238.3
17.5°	1213.8	1214.6	1209.5	1223.2	1221.8
20°	1189.4	1193.0	1189.4	1203.8	1202.3
22.5°	1162.7	1167.7	1166.3	1180.7	1181.4
25°	1134.6	1139.6	1141.1	1156.2	1154.1
27.5°	1103.6	1111.6	1114.4	1128.1	1127.4
30°	1067.6	1078.4	1084.9	1096.4	1100.0
32.5°	1030.9	1043.8	1051.8	1067.6	1071.9
35°	994.1	1005.7	1018.6	1034.5	1038.1
37.5°	953.8	966.8	984.0	999.2	1003.5
40°	913.4	927.9	944.4	961.0	967.5
42.5°	871.7	886.8	904.8	924.3	930.7
45°	824.1	844.3	865.9	882.5	888.2
47.5°	778.7	801.1	824.1	842.1	848.6
50°	732.6	756.4	780.9	797.5	807.6
52.5°	684.4	710.3	734.8	755.7	762.2
55°	635.4	661.3	688.7	711.0	716.1
57.5°	587.8	613.0	640.4	661.3	671.4
60°	536.0	563.3	592.9	613.8	624.6
62.5°	485.5	512.2	543.9	566.2	574.9
65°	437.3	461.8	494.2	517.2	525.2
67.5°	384.0	412.1	443.0	469.7	479.8
70°	331.4	358.0	393.3	418.5	428.6
72.5°	282.4	308.3	343.6	368.8	378.2
75°	230.5	257.9	295.4	320.6	332.8
77.5°	180.8	211.1	247.1	274.5	288.2
80°	134.7	161.4	200.3	230.5	242.8
82.5°	91.5	120.3	160.6	188.7	202.4
85°	56.2	86.4	123.9	150.6	159.9
87.5°	26.7	55.5	90.0	116.0	127.5
90°	3.6	31.0	63.4	88.6	98.0
92.5°	0.7	26.7	58.4	82.1	90.8
95°	0.7	26.7	57.6	80.7	89.3
97.5°	0.7	25.9	56.9	80.0	87.9
100°	0.7	25.2	56.2	78.5	87.2
102.5°	0.7	25.2	54.7	77.1	85.0
105°	0.7	24.5	54.0	75.6	83.6
107.5°	0.7	23.8	52.6	74.2	82.1
110°	0.7	22.3	51.9	72.0	80.0



TEST NUMBER: P567779

CATALOG NUMBER: 8SNX-44SL-FDL-UNV-L835-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	21.6	50.4	70.6	77.8
115°	0.7	20.9	49.0	68.4	75.6
117.5°	0.7	20.2	46.8	66.3	73.5
120°	1.4	20.2	45.4	64.1	70.6
122.5°	1.4	19.5	43.2	61.2	67.7
125°	1.4	18.7	41.1	59.1	65.6
127.5°	1.4	18.0	38.9	56.2	62.0
130°	1.4	16.6	37.5	53.3	59.1
132.5°	1.4	15.8	35.3	49.7	55.5
135°	1.4	14.4	33.1	46.8	52.6
137.5°	1.4	13.7	31.0	43.9	49.0
140°	1.4	13.0	28.1	41.1	46.1
142.5°	1.4	11.5	25.9	38.2	42.5
145°	1.4	10.8	23.1	35.3	38.9
147.5°	1.4	9.4	20.9	32.4	36.0
150°	1.4	8.6	18.7	29.5	33.1
152.5°	1.4	7.9	16.6	25.9	29.5
155°	1.4	7.2	15.1	22.3	26.7
157.5°	1.4	6.5	13.0	19.5	23.8
160°	2.2	5.8	11.5	16.6	20.2
162.5°	2.2	5.0	9.4	13.7	18.0
165°	2.2	5.0	7.9	10.8	15.1
167.5°	2.2	4.3	6.5	8.6	12.2
170°	2.2	3.6	5.8	6.5	9.4
172.5°	2.2	2.9	4.3	4.3	5.0
175°	2.2	2.9	3.6	3.6	2.2
177.5°	2.2	2.2	2.2	2.2	1.4
180°	2.2	2.2	2.2	2.2	2.2

(END OF REPORT)