

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: P567810

Luminaire Tested: **8SNX-44SL-SLW-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567810  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-44SL-SLW-UNV-L830-CD  
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

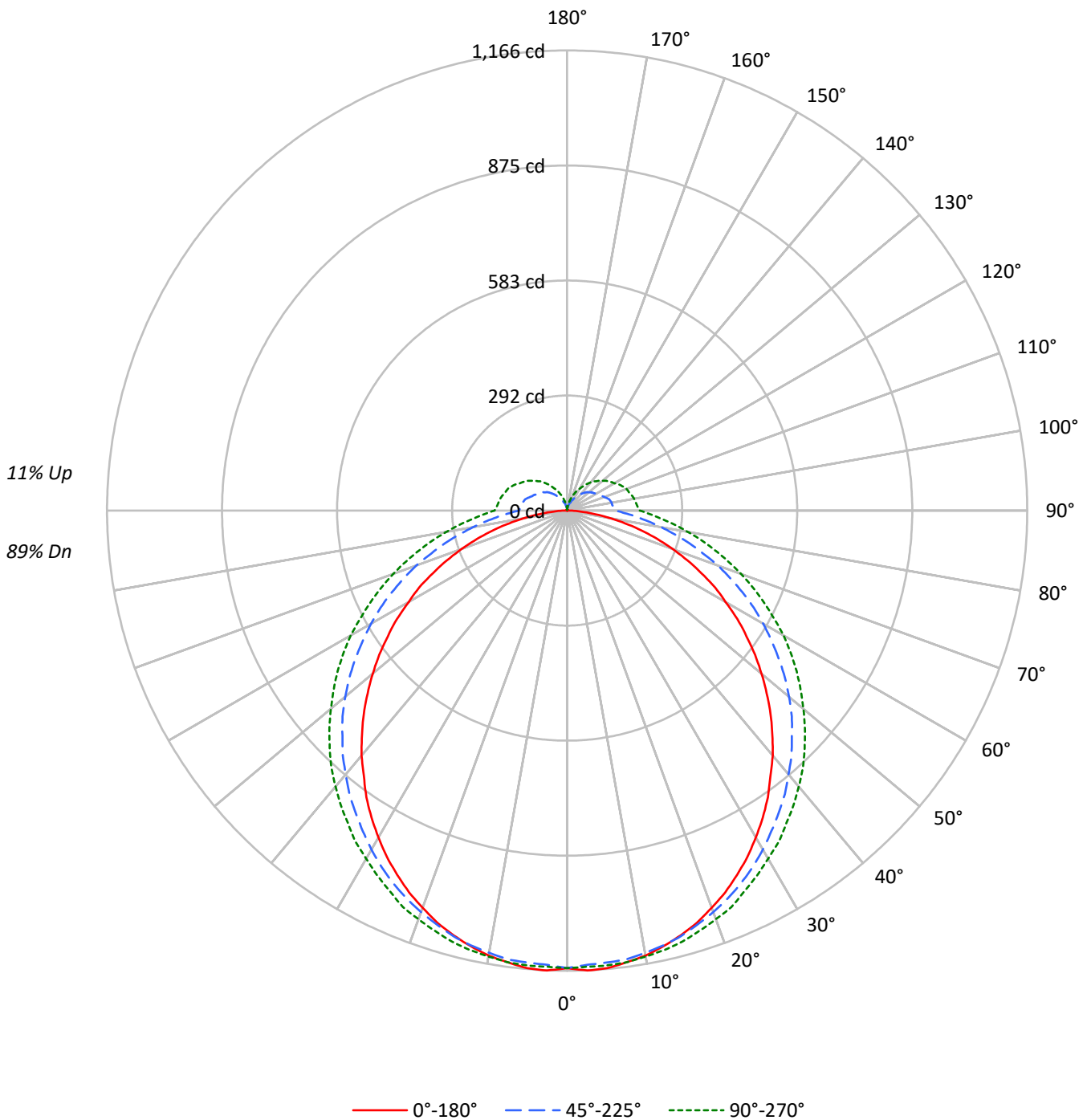
Lumens per Lamp: N/A  
Luminaire Lumens: 4127.0 lumens  
Efficiency: N/A  
Efficacy: 149.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')  
CIE Type: Semi-Direct

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: P567810

CATALOG NUMBER: 8SNX-44SL-SLW-UNV-L830-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P567810

CATALOG NUMBER: 8SNX-44SL-SLW-UNV-L830-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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83	84	81	79	79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68	73	68	64	68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56	64	58	54	60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47	57	50	46	53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41	51	44	39	48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35	46	39	34	43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31	42	35	30	39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28	38	32	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23	32	26	22	31	25	21	20

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6239	6239	6239
5°	6283	6082	6074
10°	6245	5963	5923
15°	6189	5841	5785
20°	6110	5699	5631
25°	6018	5561	5470
30°	5906	5409	5310
35°	5784	5250	5161
40°	5644	5095	5017
45°	5492	4936	4862
50°	5318	4768	4689
55°	5127	4566	4519
60°	4903	4351	4329
65°	4675	4108	4090
70°	4351	3840	3855
75°	3924	3499	3596
80°	3220	3153	3340
85°	2374	2860	3078



TEST NUMBER: P567810

CATALOG NUMBER: 8SNX-44SL-SLW-UNV-L830-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.1	2.7
10°-20°	316.5	7.7
20°-30°	481.2	11.7
30°-40°	584.2	14.2
40°-50°	617.3	15.0
50°-60°	577.7	14.0
60°-70°	474.0	11.5
70°-80°	326.0	7.9
80°-90°	178.5	4.3
90°-100°	115.0	2.8
100°-110°	103.2	2.5
110°-120°	85.4	2.1
120°-130°	65.8	1.6
130°-140°	46.2	1.1
140°-150°	27.8	0.7
150°-160°	13.3	0.3
160°-170°	4.4	0.1
170°-180°	0.5	0.0
0°-30°	907.9	22.0
0°-40°	1492.0	36.2
0°-60°	2687.0	65.1
0°-90°	3665.5	88.8
90°-120°	303.5	7.4
90°-150°	443.3	10.7
90°-180°	462.0	11.2
0°-180°	4127.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1159	1159	1159	1159	1159	
5°	1164	1162	1150	1159	1157	110
15°	1114	1119	1116	1131	1131	314
25°	1018	1030	1042	1064	1064	469
35°	887	908	935	961	968	554
45°	729	762	806	841	851	562
55°	554	600	655	696	710	496
65°	375	426	490	535	550	372
75°	196	249	320	370	387	206
85°	43	103	174	222	239	50
90°	0	57	122	167	184	3
95°	0	55	117	160	177	0
105°	0	45	110	151	165	2
115°	2	41	93	134	151	2
125°	2	34	79	115	129	2
135°	2	26	64	93	105	2
145°	2	19	45	72	79	2
155°	2	12	29	45	53	1
165°	2	7	14	22	26	1
175°	2	2	5	5	2	0
180°	2	2	2	2	2	



TEST NUMBER: P567810

CATALOG NUMBER: 8SNX-44SL-SLW-UNV-L830-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1159.3	1159.3	1159.3	1159.3	1159.3
2.5°	1166.5	1164.1	1152.1	1161.7	1156.9
5°	1164.1	1161.7	1149.7	1159.3	1156.9
7.5°	1154.5	1154.5	1147.3	1156.9	1154.5
10°	1144.9	1144.9	1137.8	1149.7	1147.3
12.5°	1130.6	1133.0	1128.2	1142.6	1140.2
15°	1113.9	1118.6	1116.3	1130.6	1130.6
17.5°	1094.7	1099.5	1099.5	1116.3	1116.3
20°	1070.8	1078.0	1082.8	1101.9	1101.9
22.5°	1046.9	1056.5	1063.7	1080.4	1087.6
25°	1018.3	1030.2	1042.2	1063.7	1063.7
27.5°	989.6	1003.9	1018.3	1039.8	1042.2
30°	956.1	972.8	992.0	1013.5	1018.3
32.5°	922.6	944.2	963.3	989.6	996.7
35°	886.8	908.3	934.6	960.9	968.1
37.5°	846.2	872.5	905.9	934.6	941.8
40°	810.3	839.0	872.5	905.9	913.1
42.5°	769.7	800.7	841.4	872.5	884.4
45°	729.0	762.5	805.5	841.4	850.9
47.5°	686.0	724.3	772.1	805.5	817.5
50°	643.0	683.6	733.8	772.1	781.6
52.5°	600.0	643.0	695.6	733.8	745.8
55°	554.5	600.0	654.9	695.6	709.9
57.5°	511.5	556.9	614.3	657.3	671.7
60°	463.7	516.3	573.7	616.7	633.4
62.5°	423.1	470.9	533.0	576.1	590.4
65°	375.3	425.5	490.0	535.4	549.8
67.5°	329.9	382.4	447.0	494.8	509.1
70°	284.4	337.0	406.3	451.8	468.5
72.5°	239.0	294.0	360.9	411.1	427.9
75°	196.0	248.6	320.3	370.5	387.2
77.5°	150.6	208.0	279.7	329.9	349.0
80°	110.0	169.7	241.4	291.6	310.7
82.5°	74.1	133.9	205.6	255.8	274.9
85°	43.0	102.8	174.5	222.3	239.0
87.5°	21.5	78.9	145.8	193.6	210.3
90°	0.0	57.4	121.9	167.3	184.1
92.5°	0.0	55.0	119.5	162.5	179.3
95°	0.0	55.0	117.1	160.1	176.9
97.5°	0.0	52.6	114.7	160.1	174.5
100°	0.0	50.2	114.7	157.8	172.1
102.5°	0.0	47.8	112.3	155.4	169.7
105°	0.0	45.4	110.0	150.6	164.9
107.5°	2.4	45.4	105.2	148.2	162.5
110°	2.4	43.0	100.4	145.8	160.1



TEST NUMBER: P567810

CATALOG NUMBER: 8SNX-44SL-SLW-UNV-L830-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	40.6	95.6	141.0	155.4
115°	2.4	40.6	93.2	133.9	150.6
117.5°	2.4	38.2	88.4	129.1	145.8
120°	2.4	38.2	86.0	124.3	138.6
122.5°	2.4	35.9	81.3	119.5	133.9
125°	2.4	33.5	78.9	114.7	129.1
127.5°	2.4	31.1	76.5	110.0	124.3
130°	2.4	28.7	71.7	105.2	117.1
132.5°	2.4	28.7	69.3	98.0	112.3
135°	2.4	26.3	64.5	93.2	105.2
137.5°	2.4	23.9	59.8	88.4	100.4
140°	2.4	21.5	55.0	83.7	93.2
142.5°	2.4	21.5	50.2	76.5	86.0
145°	2.4	19.1	45.4	71.7	78.9
147.5°	2.4	16.7	40.6	64.5	71.7
150°	2.4	16.7	35.9	57.4	64.5
152.5°	2.4	14.3	31.1	52.6	59.8
155°	2.4	12.0	28.7	45.4	52.6
157.5°	2.4	12.0	23.9	38.2	45.4
160°	2.4	9.6	21.5	31.1	38.2
162.5°	2.4	9.6	19.1	26.3	33.5
165°	2.4	7.2	14.3	21.5	26.3
167.5°	2.4	7.2	12.0	16.7	21.5
170°	2.4	4.8	9.6	12.0	16.7
172.5°	2.4	4.8	7.2	7.2	7.2
175°	2.4	2.4	4.8	4.8	2.4
177.5°	2.4	2.4	2.4	2.4	2.4
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)