

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: P567817

Luminaire Tested: **8SNX-44SL-SLW-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567817  
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-L950-CD  
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

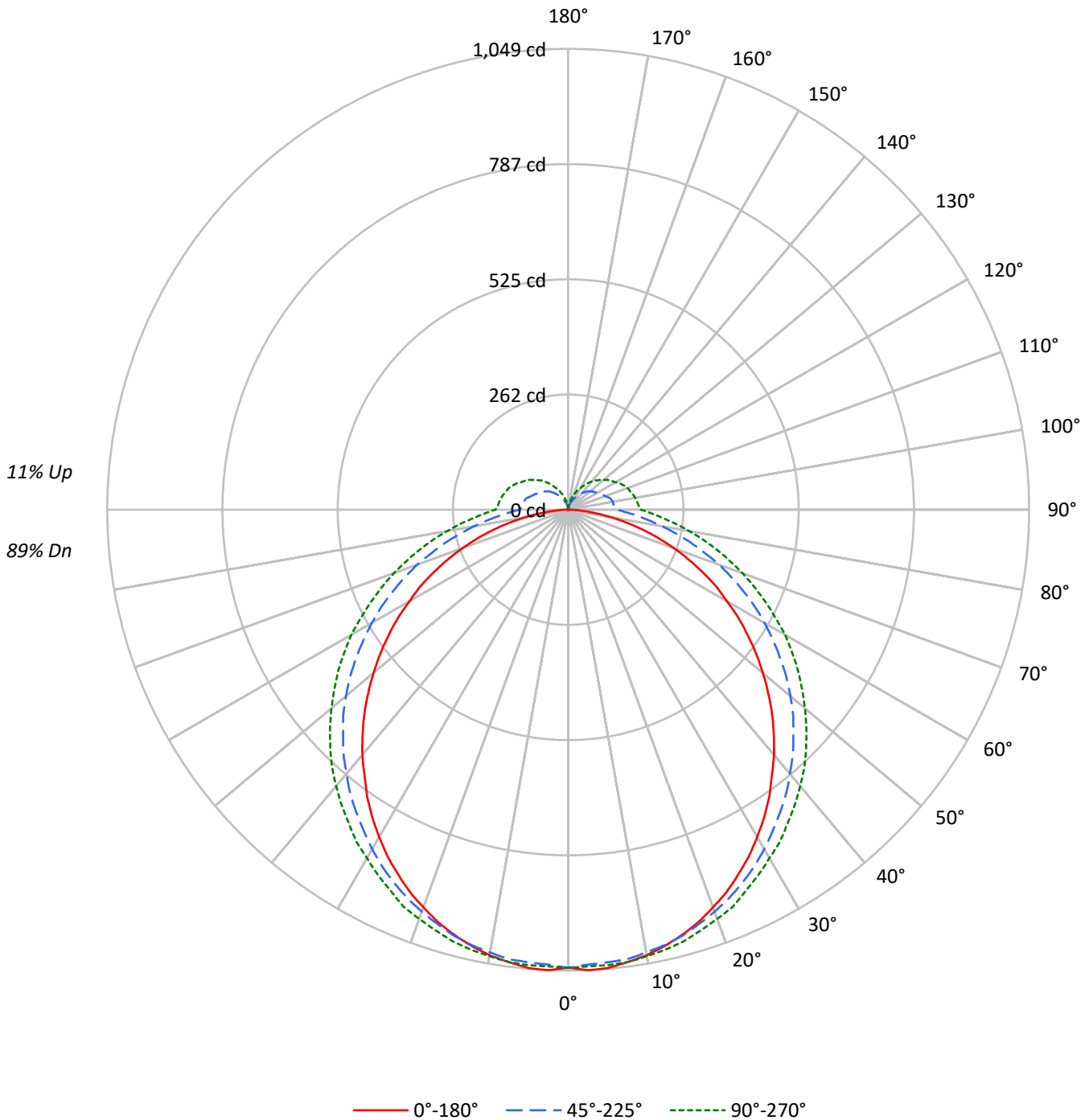
Lumens per Lamp: N/A  
Luminaire Lumens: 3711.8 lumens  
Efficiency: N/A  
Efficacy: 134.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')  
CIE Type: Semi-Direct

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

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### Luminous Intensity Polar Plot





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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	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	77	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°	5612	5612	5612
5°	5651	5471	5463
10°	5618	5364	5328
15°	5567	5253	5203
20°	5496	5126	5064
25°	5413	5002	4920
30°	5313	4865	4776
35°	5203	4722	4642
40°	5076	4582	4513
45°	4939	4440	4374
50°	4783	4289	4217
55°	4612	4107	4064
60°	4410	3913	3893
65°	4204	3694	3678
70°	3914	3454	3468
75°	3529	3147	3235
80°	2895	2836	3005
85°	2136	2572	2769



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	99.0	2.7
10°-20°	284.7	7.7
20°-30°	432.9	11.7
30°-40°	525.4	14.2
40°-50°	555.2	15.0
50°-60°	519.6	14.0
60°-70°	426.3	11.5
70°-80°	293.2	7.9
80°-90°	160.5	4.3
90°-100°	103.4	2.8
100°-110°	92.8	2.5
110°-120°	76.8	2.1
120°-130°	59.1	1.6
130°-140°	41.5	1.1
140°-150°	25.0	0.7
150°-160°	12.0	0.3
160°-170°	3.9	0.1
170°-180°	0.5	0.0
0°-30°	816.6	22.0
0°-40°	1342.0	36.2
0°-60°	2416.8	65.1
0°-90°	3296.8	88.8
90°-120°	272.9	7.4
90°-150°	398.6	10.7
90°-180°	415.0	11.2
0°-180°	3711.8	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1043	1043	1043	1043	1043	
5°	1047	1045	1034	1043	1041	99
15°	1002	1006	1004	1017	1017	283
25°	916	927	937	957	957	422
35°	798	817	841	864	871	498
45°	656	686	724	757	765	505
55°	499	540	589	626	638	446
65°	338	383	441	482	494	334
75°	176	224	288	333	348	186
85°	39	92	157	200	215	45
90°	0	52	110	150	166	3
95°	0	49	105	144	159	0
105°	0	41	99	135	148	1
115°	2	36	84	120	135	2
125°	2	30	71	103	116	2
135°	2	24	58	84	95	2
145°	2	17	41	64	71	1
155°	2	11	26	41	47	1
165°	2	6	13	19	24	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1042.7	1042.7	1042.7	1042.7	1042.7
2.5°	1049.2	1047.0	1036.3	1044.9	1040.6
5°	1047.0	1044.9	1034.1	1042.7	1040.6
7.5°	1038.4	1038.4	1032.0	1040.6	1038.4
10°	1029.8	1029.8	1023.4	1034.1	1032.0
12.5°	1016.9	1019.1	1014.8	1027.7	1025.5
15°	1001.9	1006.2	1004.0	1016.9	1016.9
17.5°	984.7	989.0	989.0	1004.0	1004.0
20°	963.2	969.6	973.9	991.1	991.1
22.5°	941.7	950.3	956.7	971.8	978.2
25°	915.9	926.6	937.4	956.7	956.7
27.5°	890.1	903.0	915.9	935.2	937.4
30°	860.0	875.0	892.2	911.6	915.9
32.5°	829.9	849.2	866.4	890.1	896.5
35°	797.6	817.0	840.6	864.3	870.7
37.5°	761.1	784.7	814.8	840.6	847.1
40°	728.8	754.6	784.7	814.8	821.3
42.5°	692.3	720.2	756.8	784.7	795.5
45°	655.7	685.8	724.5	756.8	765.4
47.5°	617.0	651.4	694.4	724.5	735.3
50°	578.3	614.9	660.0	694.4	703.0
52.5°	539.6	578.3	625.6	660.0	670.8
55°	498.8	539.6	589.1	625.6	638.5
57.5°	460.1	500.9	552.5	591.2	604.1
60°	417.1	464.4	516.0	554.7	569.7
62.5°	380.5	423.5	479.4	518.1	531.0
65°	337.5	382.7	440.7	481.6	494.5
67.5°	296.7	344.0	402.0	445.0	457.9
70°	255.8	303.1	365.5	406.3	421.4
72.5°	215.0	264.4	324.6	369.8	384.8
75°	176.3	223.6	288.1	333.2	348.3
77.5°	135.4	187.0	251.5	296.7	313.9
80°	98.9	152.6	217.1	262.3	279.5
82.5°	66.6	120.4	184.9	230.0	247.2
85°	38.7	92.4	156.9	199.9	215.0
87.5°	19.3	70.9	131.1	174.1	189.2
90°	0.0	51.6	109.6	150.5	165.5
92.5°	0.0	49.4	107.5	146.2	161.2
95°	0.0	49.4	105.3	144.0	159.1
97.5°	0.0	47.3	103.2	144.0	156.9
100°	0.0	45.1	103.2	141.9	154.8
102.5°	0.0	43.0	101.0	139.7	152.6
105°	0.0	40.8	98.9	135.4	148.3
107.5°	2.1	40.8	94.6	133.3	146.2
110°	2.1	38.7	90.3	131.1	144.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.1	36.5	86.0	126.8	139.7
115°	2.1	36.5	83.8	120.4	135.4
117.5°	2.1	34.4	79.5	116.1	131.1
120°	2.1	34.4	77.4	111.8	124.7
122.5°	2.1	32.2	73.1	107.5	120.4
125°	2.1	30.1	70.9	103.2	116.1
127.5°	2.1	27.9	68.8	98.9	111.8
130°	2.1	25.8	64.5	94.6	105.3
132.5°	2.1	25.8	62.3	88.1	101.0
135°	2.1	23.6	58.0	83.8	94.6
137.5°	2.1	21.5	53.7	79.5	90.3
140°	2.1	19.3	49.4	75.2	83.8
142.5°	2.1	19.3	45.1	68.8	77.4
145°	2.1	17.2	40.8	64.5	70.9
147.5°	2.1	15.0	36.5	58.0	64.5
150°	2.1	15.0	32.2	51.6	58.0
152.5°	2.1	12.9	27.9	47.3	53.7
155°	2.1	10.7	25.8	40.8	47.3
157.5°	2.1	10.7	21.5	34.4	40.8
160°	2.1	8.6	19.3	27.9	34.4
162.5°	2.1	8.6	17.2	23.6	30.1
165°	2.1	6.4	12.9	19.3	23.6
167.5°	2.1	6.4	10.7	15.0	19.3
170°	2.1	4.3	8.6	10.7	15.0
172.5°	2.1	4.3	6.4	6.4	6.4
175°	2.1	2.1	4.3	4.3	2.1
177.5°	2.1	2.1	2.1	2.1	2.1
180°	2.1	2.1	2.1	2.1	2.1

(END OF REPORT)