

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: P567814

Luminaire Tested: **8SNX-44SL-SLW-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567814  
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-L930-CD  
Description: 8FT 4400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

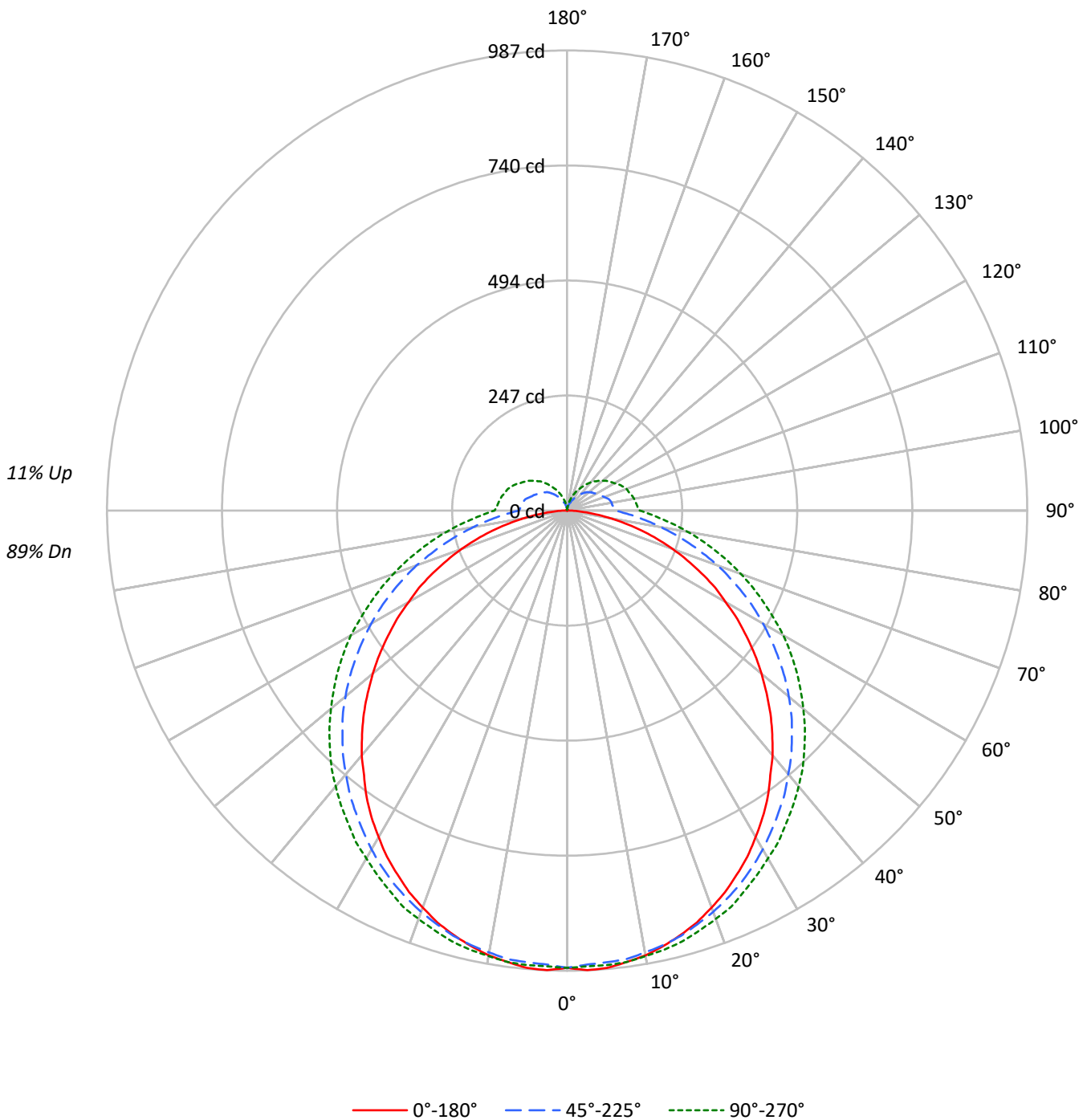
Lumens per Lamp: N/A  
Luminaire Lumens: 3491.0 lumens  
Efficiency: N/A  
Efficacy: 126.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 27.6  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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°	5278	5278	5278
5°	5315	5145	5138
10°	5283	5044	5010
15°	5235	4940	4894
20°	5168	4821	4763
25°	5090	4704	4627
30°	4996	4575	4492
35°	4893	4441	4365
40°	4774	4309	4244
45°	4646	4175	4113
50°	4498	4033	3967
55°	4337	3863	3822
60°	4148	3680	3662
65°	3954	3475	3459
70°	3681	3248	3261
75°	3319	2959	3042
80°	2722	2667	2825
85°	2009	2419	2604



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	93.1	2.7
10°-20°	267.7	7.7
20°-30°	407.1	11.7
30°-40°	494.2	14.2
40°-50°	522.2	15.0
50°-60°	488.6	14.0
60°-70°	400.9	11.5
70°-80°	275.8	7.9
80°-90°	151.0	4.3
90°-100°	97.3	2.8
100°-110°	87.3	2.5
110°-120°	72.2	2.1
120°-130°	55.6	1.6
130°-140°	39.1	1.1
140°-150°	23.6	0.7
150°-160°	11.3	0.3
160°-170°	3.7	0.1
170°-180°	0.4	0.0
0°-30°	767.9	22.0
0°-40°	1262.1	36.2
0°-60°	2272.9	65.1
0°-90°	3100.6	88.8
90°-120°	256.7	7.4
90°-150°	375.0	10.7
90°-180°	390.0	11.2
0°-180°	3491.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	981	981	981	981	981	
5°	985	983	972	981	979	93
15°	942	946	944	956	956	266
25°	861	871	882	900	900	397
35°	750	768	791	813	819	469
45°	617	645	681	712	720	475
55°	469	508	554	588	600	420
65°	317	360	414	453	465	314
75°	166	210	271	313	328	175
85°	36	87	148	188	202	42
90°	0	48	103	142	156	2
95°	0	46	99	136	150	0
105°	0	38	93	127	140	1
115°	2	34	79	113	127	2
125°	2	28	67	97	109	2
135°	2	22	55	79	89	2
145°	2	16	38	61	67	1
155°	2	10	24	38	44	1
165°	2	6	12	18	22	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°	980.6	980.6	980.6	980.6	980.6
2.5°	986.7	984.7	974.6	982.7	978.6
5°	984.7	982.7	972.5	980.6	978.6
7.5°	976.6	976.6	970.5	978.6	976.6
10°	968.5	968.5	962.4	972.5	970.5
12.5°	956.4	958.4	954.3	966.5	964.5
15°	942.2	946.3	944.2	956.4	956.4
17.5°	926.0	930.1	930.1	944.2	944.2
20°	905.8	911.9	915.9	932.1	932.1
22.5°	885.6	893.7	899.8	913.9	920.0
25°	861.3	871.4	881.6	899.8	899.8
27.5°	837.1	849.2	861.3	879.5	881.6
30°	808.8	822.9	839.1	857.3	861.3
32.5°	780.5	798.7	814.8	837.1	843.1
35°	750.1	768.3	790.6	812.8	818.9
37.5°	715.8	738.0	766.3	790.6	796.6
40°	685.4	709.7	738.0	766.3	772.4
42.5°	651.1	677.3	711.7	738.0	748.1
45°	616.7	645.0	681.4	711.7	719.8
47.5°	580.3	612.6	653.1	681.4	691.5
50°	543.9	578.3	620.7	653.1	661.2
52.5°	507.5	543.9	588.4	620.7	630.8
55°	469.1	507.5	554.0	588.4	600.5
57.5°	432.7	471.1	519.6	556.0	568.2
60°	392.3	436.7	485.3	521.7	535.8
62.5°	357.9	398.3	450.9	487.3	499.4
65°	317.4	359.9	414.5	452.9	465.0
67.5°	279.0	323.5	378.1	418.5	430.7
70°	240.6	285.1	343.7	382.1	396.3
72.5°	202.2	248.7	305.3	347.8	361.9
75°	165.8	210.3	270.9	313.4	327.6
77.5°	127.4	175.9	236.6	279.0	295.2
80°	93.0	143.6	204.2	246.7	262.8
82.5°	62.7	113.2	173.9	216.3	232.5
85°	36.4	86.9	147.6	188.0	202.2
87.5°	18.2	66.7	123.3	163.8	177.9
90°	0.0	48.5	103.1	141.5	155.7
92.5°	0.0	46.5	101.1	137.5	151.6
95°	0.0	46.5	99.1	135.5	149.6
97.5°	0.0	44.5	97.1	135.5	147.6
100°	0.0	42.5	97.1	133.4	145.6
102.5°	0.0	40.4	95.0	131.4	143.6
105°	0.0	38.4	93.0	127.4	139.5
107.5°	2.0	38.4	89.0	125.4	137.5
110°	2.0	36.4	84.9	123.3	135.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.0	34.4	80.9	119.3	131.4
115°	2.0	34.4	78.9	113.2	127.4
117.5°	2.0	32.4	74.8	109.2	123.3
120°	2.0	32.4	72.8	105.1	117.3
122.5°	2.0	30.3	68.7	101.1	113.2
125°	2.0	28.3	66.7	97.1	109.2
127.5°	2.0	26.3	64.7	93.0	105.1
130°	2.0	24.3	60.7	89.0	99.1
132.5°	2.0	24.3	58.6	82.9	95.0
135°	2.0	22.2	54.6	78.9	89.0
137.5°	2.0	20.2	50.5	74.8	84.9
140°	2.0	18.2	46.5	70.8	78.9
142.5°	2.0	18.2	42.5	64.7	72.8
145°	2.0	16.2	38.4	60.7	66.7
147.5°	2.0	14.2	34.4	54.6	60.7
150°	2.0	14.2	30.3	48.5	54.6
152.5°	2.0	12.1	26.3	44.5	50.5
155°	2.0	10.1	24.3	38.4	44.5
157.5°	2.0	10.1	20.2	32.4	38.4
160°	2.0	8.1	18.2	26.3	32.4
162.5°	2.0	8.1	16.2	22.2	28.3
165°	2.0	6.1	12.1	18.2	22.2
167.5°	2.0	6.1	10.1	14.2	18.2
170°	2.0	4.0	8.1	10.1	14.2
172.5°	2.0	4.0	6.1	6.1	6.1
175°	2.0	2.0	4.0	4.0	2.0
177.5°	2.0	2.0	2.0	2.0	2.0
180°	2.0	2.0	2.0	2.0	2.0

(END OF REPORT)