

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: P568086

Luminaire Tested: **8SNX-90SL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568086  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-90SL-LN-UNV-L930-CD  
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS  
Light Source: -  
Ballast/Driver: -

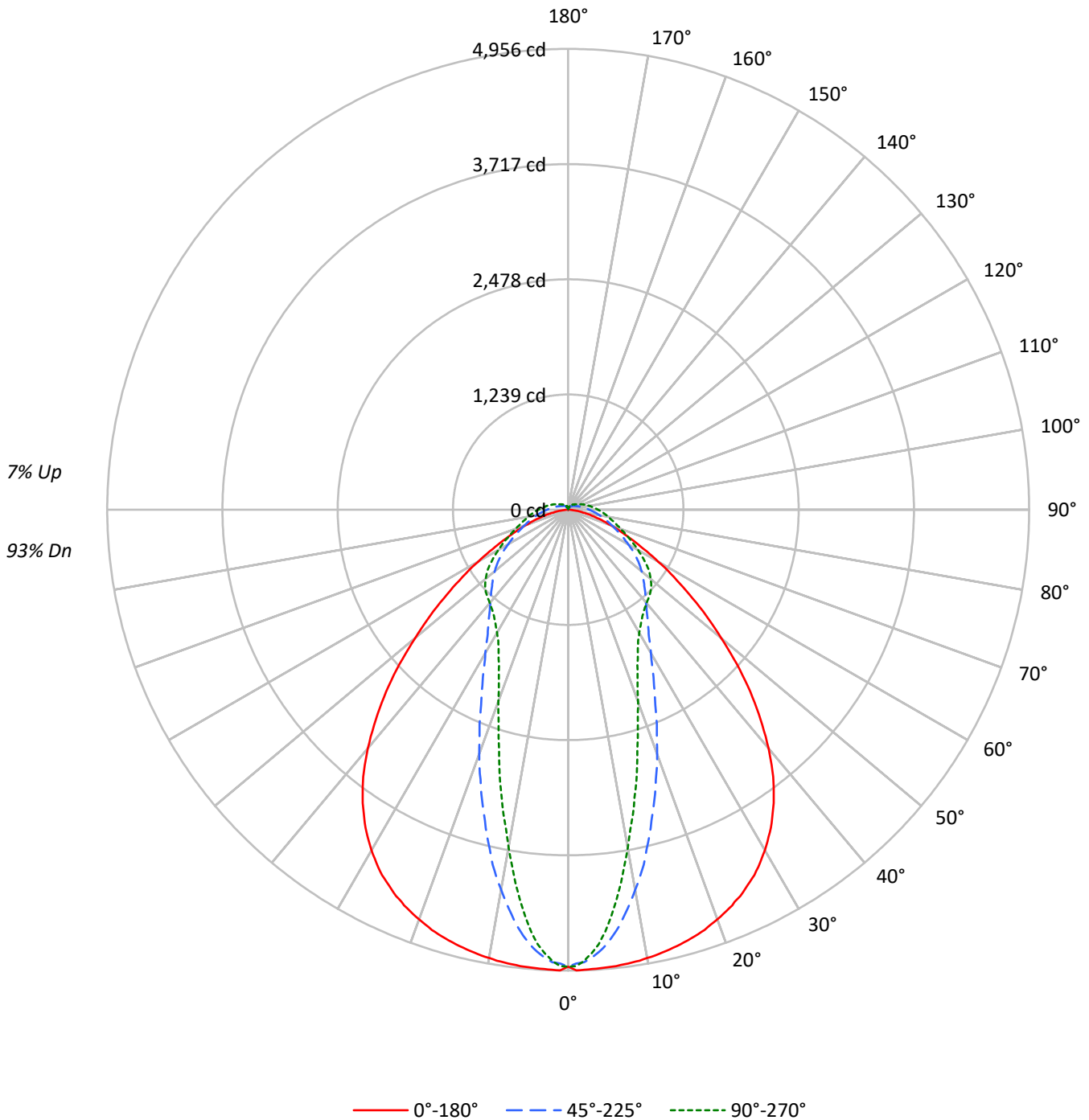
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7834.0 lumens  
Efficiency: N/A  
Efficacy: 131.4 lumens/watt  
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')  
CIE Type: Direct

Input Watts (W): 59.6  
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28

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

	0°	45°	90°
0°	26450	26450	26450
5°	26635	24340	23264
10°	26648	20893	18049
15°	26685	17062	13528
20°	26652	13606	10124
25°	26464	10673	8035
30°	25968	8647	6854
35°	24939	7325	6234
40°	23133	6474	5901
45°	20632	5930	5718
50°	17543	5463	5402
55°	14478	4957	4934
60°	11645	4366	4328
65°	9108	3840	3766
70°	7150	3402	3331
75°	5624	3064	3035
80°	4097	2811	2821
85°	2459	2630	2706



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	435.2	5.6
10°-20°	1020.1	13.0
20°-30°	1210.9	15.5
30°-40°	1218.3	15.6
40°-50°	1132.5	14.5
50°-60°	932.5	11.9
60°-70°	657.1	8.4
70°-80°	429.3	5.5
80°-90°	274.1	3.5
90°-100°	179.7	2.3
100°-110°	122.0	1.6
110°-120°	83.6	1.1
120°-130°	57.9	0.7
130°-140°	38.9	0.5
140°-150°	24.0	0.3
150°-160°	12.4	0.2
160°-170°	4.5	0.1
170°-180°	0.8	0.0
0°-30°	2666.3	34.0
0°-40°	3884.6	49.6
0°-60°	5949.6	75.9
0°-90°	7310.1	93.3
90°-120°	385.4	4.9
90°-150°	506.2	6.5
90°-180°	524.0	6.7
0°-180°	7834.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4914	4914	4914	4914	4914	
5°	4939	4873	4697	4607	4557	470
15°	4816	4303	3461	3026	2862	1360
25°	4500	3326	2205	1852	1774	2071
35°	3851	2250	1494	1400	1392	2395
45°	2767	1482	1158	1219	1252	2124
55°	1589	973	895	994	1026	1435
65°	747	587	616	694	718	758
75°	292	304	415	489	509	315
85°	49	140	279	361	378	62
90°	0	94	226	308	320	3
95°	0	70	189	259	271	0
105°	0	49	127	181	197	0
115°	4	41	90	131	140	4
125°	4	33	74	94	103	4
135°	4	29	58	74	78	3
145°	4	20	41	58	62	3
155°	4	16	29	41	45	2
165°	4	8	16	20	25	1
175°	8	8	8	8	4	1
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4914.5	4914.5	4914.5	4914.5	4914.5
1°	4955.6	4935.0	4881.7	4918.6	4910.4
2°	4951.5	4930.9	4869.3	4885.8	4857.0
3°	4947.3	4918.6	4824.2	4820.1	4779.0
4°	4943.2	4898.1	4766.7	4717.4	4684.6
5°	4939.1	4873.4	4696.9	4606.6	4557.3
6°	4935.0	4844.7	4606.6	4471.1	4401.3
7°	4926.8	4799.5	4512.1	4327.4	4237.1
8°	4918.6	4758.5	4393.1	4171.4	4060.5
9°	4910.4	4705.1	4274.0	4003.0	3871.7
10°	4894.0	4651.7	4150.8	3830.6	3691.0
11°	4885.8	4590.2	4031.8	3666.4	3502.1
12°	4869.3	4524.5	3904.5	3493.9	3350.2
13°	4852.9	4454.7	3748.5	3346.1	3173.7
14°	4836.5	4380.8	3613.0	3181.9	3021.8
15°	4816.0	4302.8	3461.1	3025.9	2861.7
16°	4795.4	4212.4	3325.6	2865.8	2693.3
17°	4774.9	4126.2	3198.3	2718.0	2561.9
18°	4750.3	4040.0	3050.5	2574.3	2422.4
19°	4717.4	3941.5	2931.5	2442.9	2303.3
20°	4688.7	3851.1	2796.0	2319.7	2196.5
21°	4655.8	3740.3	2660.5	2204.8	2081.6
22.5°	4606.6	3584.3	2488.0	2061.1	1946.1
23°	4581.9	3539.1	2418.2	2007.7	1909.1
24°	4549.1	3420.0	2303.3	1925.6	1827.0
25°	4499.8	3325.6	2204.8	1851.7	1773.7
26°	4454.7	3210.6	2106.2	1786.0	1708.0
27°	4409.5	3099.8	2020.0	1716.2	1650.5
28°	4352.0	2984.8	1925.6	1658.7	1601.2
29°	4290.4	2878.1	1847.6	1609.4	1564.3
30°	4228.9	2759.0	1781.9	1564.3	1527.3
32.5°	4056.4	2496.3	1613.5	1478.0	1453.4
35°	3851.1	2249.9	1494.5	1400.0	1391.8
37.5°	3621.2	2024.1	1387.7	1338.5	1346.7
40°	3350.2	1818.8	1297.4	1293.3	1309.7
42.5°	3062.8	1642.3	1227.6	1256.3	1281.0
45°	2767.2	1482.2	1157.8	1219.4	1252.2
47.5°	2459.3	1342.6	1096.2	1174.2	1211.2
50°	2147.3	1207.1	1030.5	1120.9	1157.8
52.5°	1868.1	1088.0	964.8	1059.3	1100.3
55°	1588.9	973.0	895.0	993.6	1026.4
57.5°	1346.7	866.3	821.1	919.7	944.3
60°	1120.9	763.7	747.2	837.6	866.3
62.5°	915.6	673.3	677.4	763.7	792.4
65°	747.2	587.1	615.9	693.9	718.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
67.5°	607.6	505.0	554.3	636.4	656.9
70°	480.4	431.1	505.0	578.9	599.4
72.5°	381.8	365.4	455.7	533.7	550.2
75°	291.5	303.8	414.7	488.6	509.1
77.5°	209.4	254.6	373.6	451.6	468.0
80°	147.8	209.4	340.8	418.8	435.2
82.5°	94.4	172.4	307.9	390.0	406.5
85°	49.3	139.6	279.2	361.3	377.7
87.5°	20.5	115.0	250.4	332.6	349.0
90°	0.0	94.4	225.8	307.9	320.2
92.5°	0.0	82.1	205.3	283.3	295.6
95°	0.0	69.8	188.9	258.7	271.0
97.5°	0.0	65.7	168.3	238.1	250.4
100°	0.0	57.5	151.9	217.6	234.0
102.5°	0.0	53.4	139.6	197.1	213.5
105°	0.0	49.3	127.3	180.7	197.1
107.5°	0.0	45.2	119.1	168.3	180.7
110°	0.0	45.2	106.7	156.0	168.3
112.5°	4.1	41.1	98.5	139.6	151.9
115°	4.1	41.1	90.3	131.4	139.6
117.5°	4.1	41.1	86.2	119.1	127.3
120°	4.1	37.0	82.1	110.9	119.1
122.5°	4.1	37.0	78.0	102.6	106.7
125°	4.1	32.8	73.9	94.4	102.6
127.5°	4.1	32.8	69.8	90.3	94.4
130°	4.1	32.8	65.7	82.1	90.3
132.5°	4.1	28.7	61.6	78.0	82.1
135°	4.1	28.7	57.5	73.9	78.0
137.5°	4.1	24.6	53.4	69.8	73.9
140°	4.1	24.6	49.3	65.7	69.8
142.5°	4.1	20.5	45.2	61.6	65.7
145°	4.1	20.5	41.1	57.5	61.6
147.5°	4.1	20.5	37.0	53.4	57.5
150°	4.1	16.4	32.8	49.3	53.4
152.5°	4.1	16.4	28.7	45.2	49.3
155°	4.1	16.4	28.7	41.1	45.2
157.5°	4.1	12.3	24.6	32.8	41.1
160°	4.1	12.3	20.5	28.7	37.0
162.5°	4.1	12.3	20.5	24.6	28.7
165°	4.1	8.2	16.4	20.5	24.6
167.5°	4.1	8.2	12.3	16.4	20.5
170°	4.1	8.2	12.3	12.3	16.4
172.5°	4.1	8.2	8.2	8.2	8.2
175°	8.2	8.2	8.2	8.2	4.1
177.5°	8.2	8.2	8.2	4.1	4.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
180°	4.1	4.1	4.1	4.1	4.1

(END OF REPORT)