

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: P568102

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568102  
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-90SL-SLW-UNV-L930-CD  
Description: 8FT 9000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

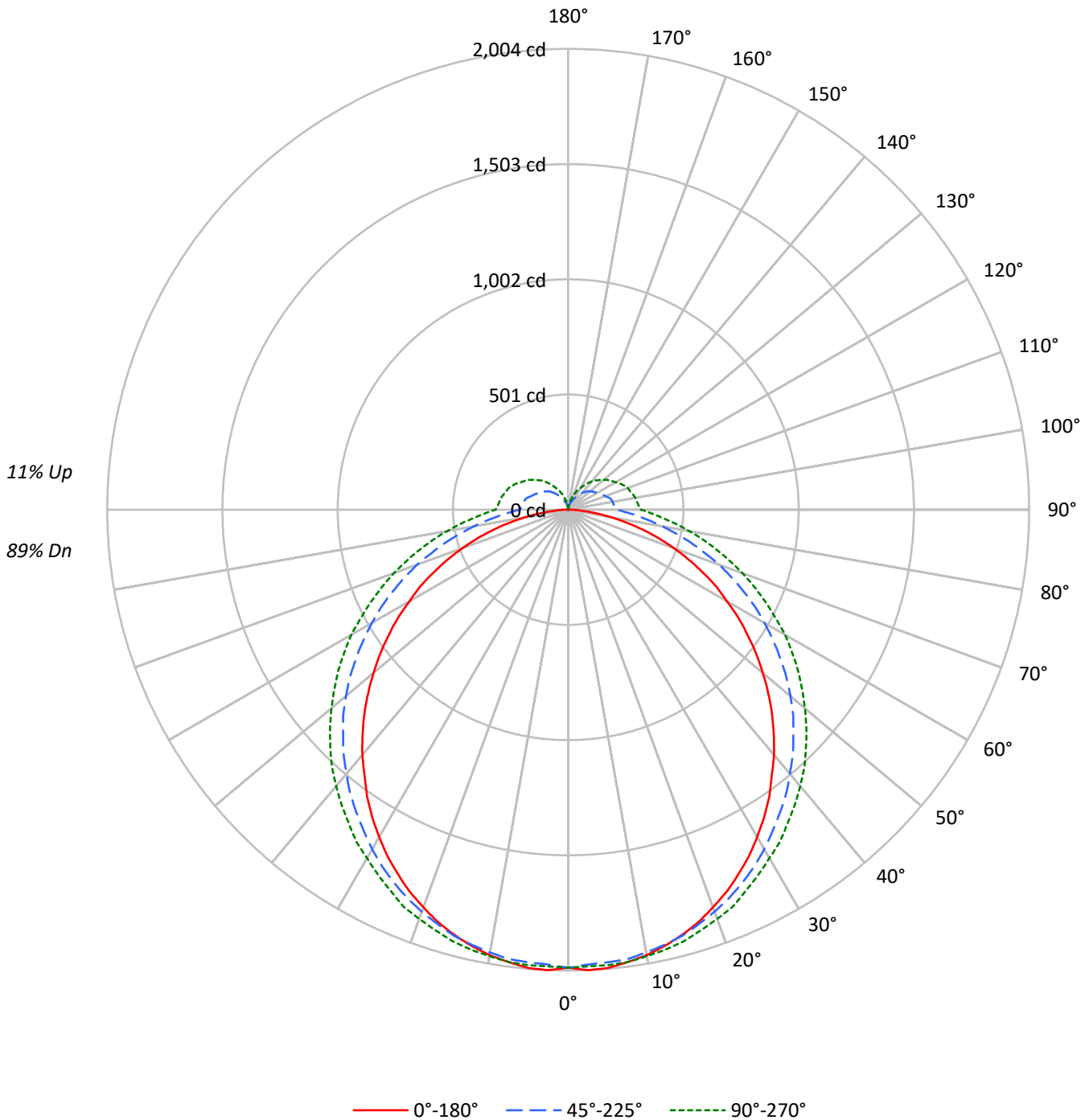
Lumens per Lamp: N/A  
Luminaire Lumens: 7091.0 lumens  
Efficiency: N/A  
Efficacy: 119.0 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 59.6  
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°	10720	10720	10720
5°	10796	10451	10436
10°	10731	10246	10177
15°	10634	10036	9940
20°	10498	9793	9675
25°	10340	9555	9398
30°	10148	9293	9124
35°	9939	9021	8867
40°	9697	8753	8621
45°	9436	8481	8355
50°	9137	8193	8057
55°	8810	7846	7764
60°	8425	7475	7438
65°	8033	7057	7027
70°	7477	6598	6625
75°	6742	6012	6179
80°	5529	5418	5740
85°	4080	4914	5289



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	189.2	2.7
10°-20°	543.8	7.7
20°-30°	826.9	11.7
30°-40°	1003.7	14.2
40°-50°	1060.7	15.0
50°-60°	992.5	14.0
60°-70°	814.4	11.5
70°-80°	560.1	7.9
80°-90°	306.7	4.3
90°-100°	197.5	2.8
100°-110°	177.2	2.5
110°-120°	146.7	2.1
120°-130°	113.0	1.6
130°-140°	79.4	1.1
140°-150°	47.8	0.7
150°-160°	22.9	0.3
160°-170°	7.5	0.1
170°-180°	0.9	0.0
0°-30°	1559.9	22.0
0°-40°	2563.6	36.2
0°-60°	4616.8	65.1
0°-90°	6298.0	88.8
90°-120°	521.5	7.4
90°-150°	761.7	10.7
90°-180°	793.0	11.2
0°-180°	7091.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1992	1992	1992	1992	1992	
5°	2000	1996	1976	1992	1988	190
15°	1914	1922	1918	1943	1943	540
25°	1750	1770	1791	1828	1828	806
35°	1524	1561	1606	1651	1663	952
45°	1253	1310	1384	1446	1462	965
55°	953	1031	1125	1195	1220	853
65°	645	731	842	920	945	639
75°	337	427	550	637	665	355
85°	74	177	300	382	411	85
90°	0	99	210	288	316	5
95°	0	94	201	275	304	0
105°	0	78	189	259	283	3
115°	4	70	160	230	259	4
125°	4	58	136	197	222	4
135°	4	45	111	160	181	3
145°	4	33	78	123	136	3
155°	4	20	49	78	90	2
165°	4	12	25	37	45	1
175°	4	4	8	8	4	0
180°	4	4	4	4	4	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1991.9	1991.9	1991.9	1991.9	1991.9
2.5°	2004.2	2000.1	1979.6	1996.0	1987.8
5°	2000.1	1996.0	1975.5	1991.9	1987.8
7.5°	1983.7	1983.7	1971.3	1987.8	1983.7
10°	1967.2	1967.2	1954.9	1975.5	1971.3
12.5°	1942.6	1946.7	1938.5	1963.1	1959.0
15°	1913.8	1922.1	1918.0	1942.6	1942.6
17.5°	1881.0	1889.2	1889.2	1918.0	1918.0
20°	1839.9	1852.2	1860.5	1893.3	1893.3
22.5°	1798.9	1815.3	1827.6	1856.3	1868.7
25°	1749.6	1770.1	1790.6	1827.6	1827.6
27.5°	1700.3	1724.9	1749.6	1786.5	1790.6
30°	1642.8	1671.5	1704.4	1741.4	1749.6
32.5°	1585.3	1622.3	1655.1	1700.3	1712.6
35°	1523.7	1560.6	1605.8	1651.0	1663.3
37.5°	1453.9	1499.0	1556.5	1605.8	1618.1
40°	1392.3	1441.5	1499.0	1556.5	1568.9
42.5°	1322.4	1375.8	1445.7	1499.0	1519.6
45°	1252.6	1310.1	1384.0	1445.7	1462.1
47.5°	1178.7	1244.4	1326.6	1384.0	1404.6
50°	1104.8	1174.6	1260.8	1326.6	1343.0
52.5°	1030.8	1104.8	1195.1	1260.8	1281.4
55°	952.8	1030.8	1125.3	1195.1	1219.8
57.5°	878.9	956.9	1055.5	1129.4	1154.1
60°	796.8	887.1	985.7	1059.6	1088.3
62.5°	726.9	809.1	915.9	989.8	1014.4
65°	644.8	731.0	841.9	920.0	944.6
67.5°	566.8	657.1	768.0	850.1	874.8
70°	488.7	579.1	698.2	776.2	805.0
72.5°	410.7	505.2	620.2	706.4	735.1
75°	336.8	427.1	550.3	636.6	665.3
77.5°	258.7	357.3	480.5	566.8	599.6
80°	188.9	291.6	414.8	501.0	533.9
82.5°	127.3	230.0	353.2	439.4	472.3
85°	73.9	176.6	299.8	381.9	410.7
87.5°	37.0	135.5	250.5	332.7	361.4
90°	0.0	98.6	209.5	287.5	316.2
92.5°	0.0	94.5	205.3	279.3	308.0
95°	0.0	94.5	201.2	275.2	303.9
97.5°	0.0	90.4	197.1	275.2	299.8
100°	0.0	86.2	197.1	271.1	295.7
102.5°	0.0	82.1	193.0	267.0	291.6
105°	0.0	78.0	188.9	258.7	283.4
107.5°	4.1	78.0	180.7	254.6	279.3
110°	4.1	73.9	172.5	250.5	275.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	4.1	69.8	164.3	242.3	267.0
115°	4.1	69.8	160.2	230.0	258.7
117.5°	4.1	65.7	152.0	221.8	250.5
120°	4.1	65.7	147.9	213.6	238.2
122.5°	4.1	61.6	139.6	205.3	230.0
125°	4.1	57.5	135.5	197.1	221.8
127.5°	4.1	53.4	131.4	188.9	213.6
130°	4.1	49.3	123.2	180.7	201.2
132.5°	4.1	49.3	119.1	168.4	193.0
135°	4.1	45.2	110.9	160.2	180.7
137.5°	4.1	41.1	102.7	152.0	172.5
140°	4.1	37.0	94.5	143.7	160.2
142.5°	4.1	37.0	86.2	131.4	147.9
145°	4.1	32.9	78.0	123.2	135.5
147.5°	4.1	28.7	69.8	110.9	123.2
150°	4.1	28.7	61.6	98.6	110.9
152.5°	4.1	24.6	53.4	90.4	102.7
155°	4.1	20.5	49.3	78.0	90.4
157.5°	4.1	20.5	41.1	65.7	78.0
160°	4.1	16.4	37.0	53.4	65.7
162.5°	4.1	16.4	32.9	45.2	57.5
165°	4.1	12.3	24.6	37.0	45.2
167.5°	4.1	12.3	20.5	28.7	37.0
170°	4.1	8.2	16.4	20.5	28.7
172.5°	4.1	8.2	12.3	12.3	12.3
175°	4.1	4.1	8.2	8.2	4.1
177.5°	4.1	4.1	4.1	4.1	4.1
180°	4.1	4.1	4.1	4.1	4.1

(END OF REPORT)