

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: P568150

Luminaire Tested: **8SNX-96SL-SLW-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568150
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-96SL-SLW-UNV-L930-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

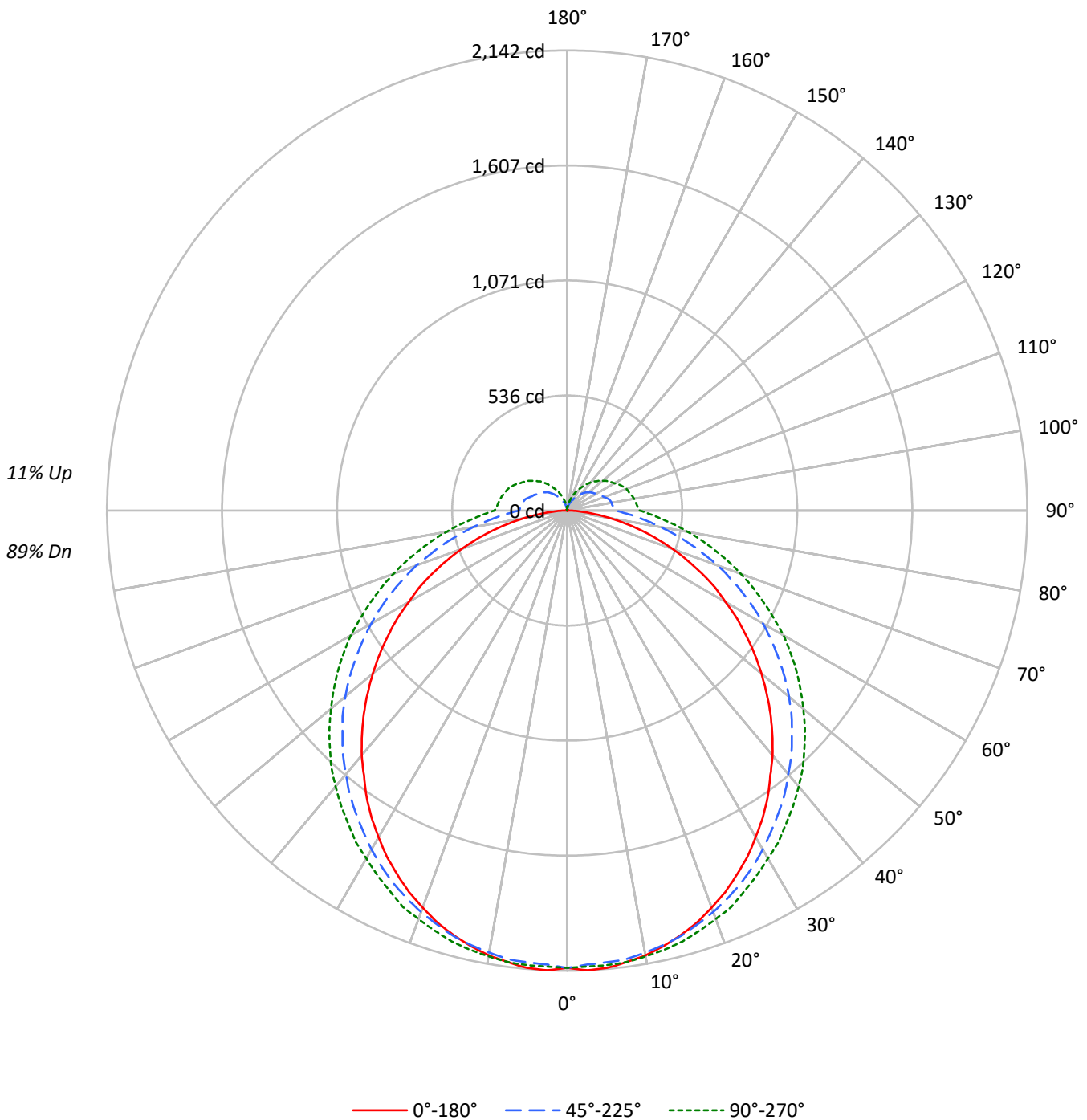
Lumens per Lamp: N/A
Luminaire Lumens: 7578.0 lumens
Efficiency: N/A
Efficacy: 118.0 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 64.2
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	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°	11457	11457	11457
5°	11537	11169	11153
10°	11468	10950	10876
15°	11364	10725	10622
20°	11219	10465	10339
25°	11049	10211	10043
30°	10845	9931	9750
35°	10621	9641	9476
40°	10363	9355	9213
45°	10085	9064	8928
50°	9764	8755	8610
55°	9415	8385	8297
60°	9004	7989	7949
65°	8585	7543	7509
70°	7991	7051	7079
75°	7205	6424	6603
80°	5910	5790	6134
85°	4361	5252	5653



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.2	2.7
10°-20°	581.2	7.7
20°-30°	883.6	11.7
30°-40°	1072.7	14.2
40°-50°	1133.5	15.0
50°-60°	1060.7	14.0
60°-70°	870.3	11.5
70°-80°	598.6	7.9
80°-90°	327.8	4.3
90°-100°	211.1	2.8
100°-110°	189.4	2.5
110°-120°	156.8	2.1
120°-130°	120.7	1.6
130°-140°	84.8	1.1
140°-150°	51.1	0.7
150°-160°	24.5	0.3
160°-170°	8.0	0.1
170°-180°	1.0	0.0
0°-30°	1667.0	22.0
0°-40°	2739.7	36.2
0°-60°	4933.8	65.1
0°-90°	6730.5	88.8
90°-120°	557.3	7.4
90°-150°	814.0	10.7
90°-180°	847.0	11.2
0°-180°	7578.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2129	2129	2129	2129	2129	
5°	2138	2133	2111	2129	2124	203
15°	2045	2054	2050	2076	2076	577
25°	1870	1892	1914	1953	1953	862
35°	1628	1668	1716	1764	1778	1017
45°	1339	1400	1479	1545	1562	1032
55°	1018	1102	1203	1277	1304	911
65°	689	781	900	983	1010	682
75°	360	456	588	680	711	379
85°	79	189	320	408	439	91
90°	0	105	224	307	338	5
95°	0	101	215	294	325	0
105°	0	83	202	276	303	3
115°	4	75	171	246	276	4
125°	4	61	145	211	237	4
135°	4	48	118	171	193	3
145°	4	35	83	132	145	3
155°	4	22	53	83	97	2
165°	4	13	26	40	48	1
175°	4	4	9	9	4	0
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2128.7	2128.7	2128.7	2128.7	2128.7
2.5°	2141.8	2137.5	2115.5	2133.1	2124.3
5°	2137.5	2133.1	2111.1	2128.7	2124.3
7.5°	2119.9	2119.9	2106.7	2124.3	2119.9
10°	2102.3	2102.3	2089.2	2111.1	2106.7
12.5°	2076.0	2080.4	2071.6	2098.0	2093.6
15°	2045.3	2054.1	2049.7	2076.0	2076.0
17.5°	2010.2	2019.0	2019.0	2049.7	2049.7
20°	1966.3	1979.5	1988.2	2023.3	2023.3
22.5°	1922.4	1939.9	1953.1	1983.8	1997.0
25°	1869.7	1891.7	1913.6	1953.1	1953.1
27.5°	1817.1	1843.4	1869.7	1909.2	1913.6
30°	1755.6	1786.3	1821.4	1860.9	1869.7
32.5°	1694.2	1733.7	1768.8	1817.1	1830.2
35°	1628.3	1667.8	1716.1	1764.4	1777.6
37.5°	1553.7	1602.0	1663.4	1716.1	1729.3
40°	1487.9	1540.5	1602.0	1663.4	1676.6
42.5°	1413.3	1470.3	1544.9	1602.0	1623.9
45°	1338.7	1400.1	1479.1	1544.9	1562.5
47.5°	1259.7	1329.9	1417.7	1479.1	1501.0
50°	1180.6	1255.3	1347.4	1417.7	1435.2
52.5°	1101.6	1180.6	1277.2	1347.4	1369.4
55°	1018.3	1101.6	1202.6	1277.2	1303.5
57.5°	939.3	1022.6	1128.0	1207.0	1233.3
60°	851.5	948.0	1053.4	1132.4	1163.1
62.5°	776.9	864.6	978.8	1057.8	1084.1
65°	689.1	781.2	899.8	983.1	1009.5
67.5°	605.7	702.2	820.7	908.5	934.9
70°	522.3	618.9	746.1	829.5	860.2
72.5°	438.9	539.9	662.7	754.9	785.6
75°	359.9	456.5	588.1	680.3	711.0
77.5°	276.5	381.8	513.5	605.7	640.8
80°	201.9	311.6	443.3	535.5	570.6
82.5°	136.1	245.8	377.5	469.6	504.7
85°	79.0	188.7	320.4	408.2	438.9
87.5°	39.5	144.8	267.7	355.5	386.2
90°	0.0	105.3	223.8	307.2	338.0
92.5°	0.0	100.9	219.5	298.5	329.2
95°	0.0	100.9	215.1	294.1	324.8
97.5°	0.0	96.6	210.7	294.1	320.4
100°	0.0	92.2	210.7	289.7	316.0
102.5°	0.0	87.8	206.3	285.3	311.6
105°	0.0	83.4	201.9	276.5	302.8
107.5°	4.4	83.4	193.1	272.1	298.5
110°	4.4	79.0	184.3	267.7	294.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.4	74.6	175.6	259.0	285.3
115°	4.4	74.6	171.2	245.8	276.5
117.5°	4.4	70.2	162.4	237.0	267.7
120°	4.4	70.2	158.0	228.2	254.6
122.5°	4.4	65.8	149.2	219.5	245.8
125°	4.4	61.4	144.8	210.7	237.0
127.5°	4.4	57.1	140.4	201.9	228.2
130°	4.4	52.7	131.7	193.1	215.1
132.5°	4.4	52.7	127.3	180.0	206.3
135°	4.4	48.3	118.5	171.2	193.1
137.5°	4.4	43.9	109.7	162.4	184.3
140°	4.4	39.5	100.9	153.6	171.2
142.5°	4.4	39.5	92.2	140.4	158.0
145°	4.4	35.1	83.4	131.7	144.8
147.5°	4.4	30.7	74.6	118.5	131.7
150°	4.4	30.7	65.8	105.3	118.5
152.5°	4.4	26.3	57.1	96.6	109.7
155°	4.4	21.9	52.7	83.4	96.6
157.5°	4.4	21.9	43.9	70.2	83.4
160°	4.4	17.6	39.5	57.1	70.2
162.5°	4.4	17.6	35.1	48.3	61.4
165°	4.4	13.2	26.3	39.5	48.3
167.5°	4.4	13.2	21.9	30.7	39.5
170°	4.4	8.8	17.6	21.9	30.7
172.5°	4.4	8.8	13.2	13.2	13.2
175°	4.4	4.4	8.8	8.8	4.4
177.5°	4.4	4.4	4.4	4.4	4.4
180°	4.4	4.4	4.4	4.4	4.4

(END OF REPORT)