

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: P568146

Luminaire Tested: **8SNX-96SL-SLW-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P568146  
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-L830-CD  
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

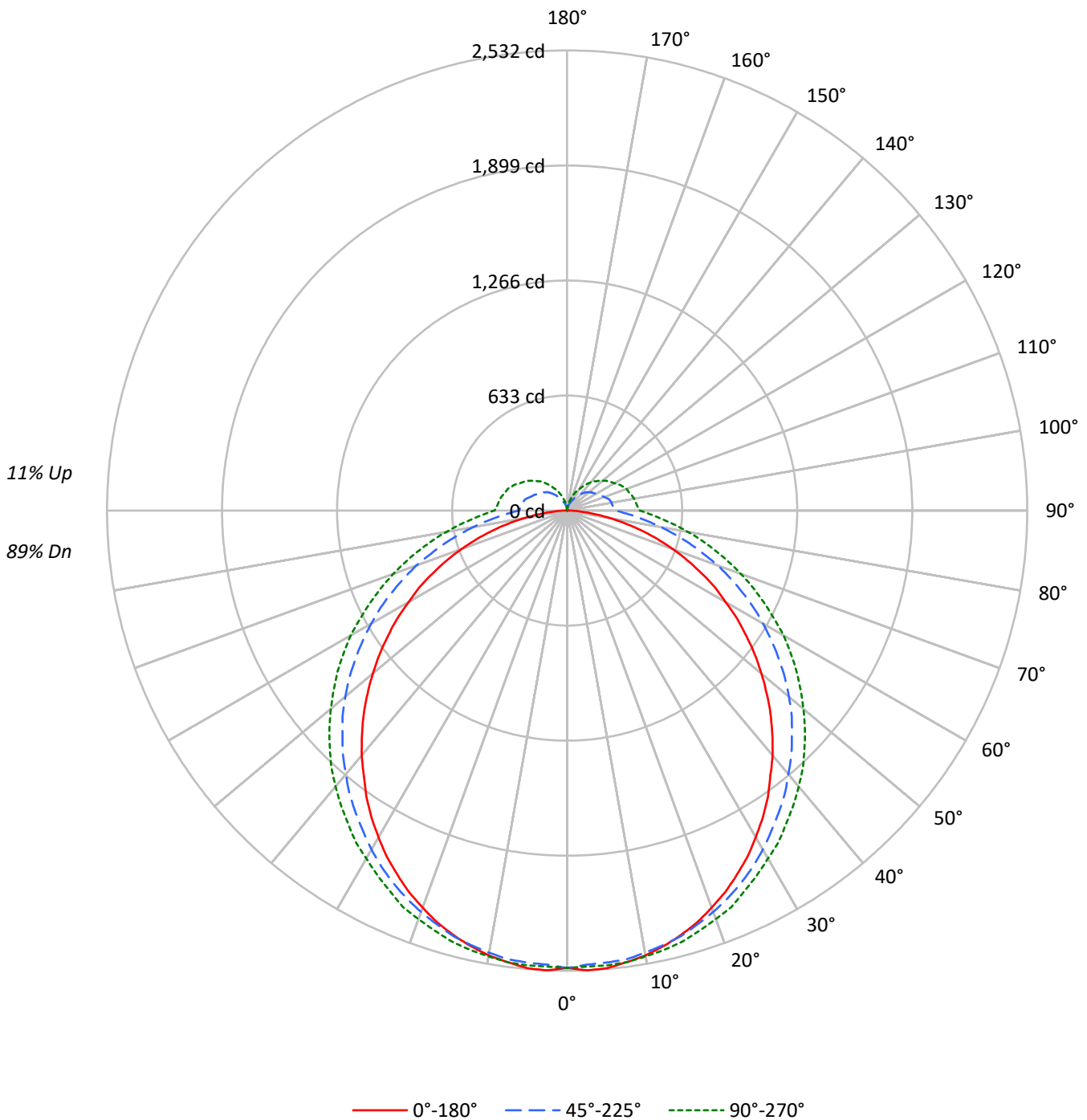
Lumens per Lamp: N/A  
Luminaire Lumens: 8959.0 lumens  
Efficiency: N/A  
Efficacy: 139.5 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 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	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°	13544	13544	13544
5°	13640	13204	13185
10°	13558	12945	12859
15°	13435	12679	12558
20°	13264	12373	12223
25°	13063	12072	11873
30°	12821	11741	11528
35°	12557	11397	11203
40°	12251	11059	10892
45°	11922	10716	10555
50°	11544	10351	10179
55°	11131	9913	9809
60°	10644	9444	9398
65°	10149	8917	8877
70°	9448	8336	8369
75°	8518	7596	7807
80°	6987	6845	7253
85°	5156	6209	6683



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	239.0	2.7
10°-20°	687.1	7.7
20°-30°	1044.7	11.7
30°-40°	1268.1	14.2
40°-50°	1340.1	15.0
50°-60°	1254.0	14.0
60°-70°	1028.9	11.5
70°-80°	707.7	7.9
80°-90°	387.5	4.3
90°-100°	249.6	2.8
100°-110°	223.9	2.5
110°-120°	185.4	2.1
120°-130°	142.7	1.6
130°-140°	100.3	1.1
140°-150°	60.4	0.7
150°-160°	28.9	0.3
160°-170°	9.5	0.1
170°-180°	1.1	0.0
0°-30°	1970.8	22.0
0°-40°	3238.9	36.2
0°-60°	5833.0	65.1
0°-90°	7957.1	88.8
90°-120°	658.9	7.4
90°-150°	962.3	10.7
90°-180°	1002.0	11.2
0°-180°	8959.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2517	2517	2517	2517	2517	
5°	2527	2522	2496	2517	2511	240
15°	2418	2428	2423	2454	2454	682
25°	2210	2236	2262	2309	2309	1019
35°	1925	1972	2029	2086	2102	1203
45°	1583	1655	1749	1826	1847	1220
55°	1204	1302	1422	1510	1541	1077
65°	815	924	1064	1162	1193	807
75°	426	540	695	804	841	448
85°	93	223	379	483	519	108
90°	0	124	265	363	400	6
95°	0	119	254	348	384	0
105°	0	99	239	327	358	3
115°	5	88	202	291	327	5
125°	5	73	171	249	280	5
135°	5	57	140	202	228	4
145°	5	42	99	156	171	3
155°	5	26	62	99	114	2
165°	5	16	31	47	57	1
175°	5	5	10	10	5	0
180°	5	5	5	5	5	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2516.6	2516.6	2516.6	2516.6	2516.6
2.5°	2532.2	2527.0	2501.0	2521.8	2511.4
5°	2527.0	2521.8	2495.8	2516.6	2511.4
7.5°	2506.2	2506.2	2490.7	2511.4	2506.2
10°	2485.5	2485.5	2469.9	2495.8	2490.7
12.5°	2454.3	2459.5	2449.1	2480.3	2475.1
15°	2418.0	2428.4	2423.2	2454.3	2454.3
17.5°	2376.5	2386.9	2386.9	2423.2	2423.2
20°	2324.6	2340.2	2350.6	2392.1	2392.1
22.5°	2272.7	2293.5	2309.0	2345.4	2360.9
25°	2210.5	2236.4	2262.3	2309.0	2309.0
27.5°	2148.2	2179.3	2210.5	2257.2	2262.3
30°	2075.5	2111.9	2153.4	2200.1	2210.5
32.5°	2002.9	2049.6	2091.1	2148.2	2163.8
35°	1925.1	1971.8	2028.8	2085.9	2101.5
37.5°	1836.9	1893.9	1966.6	2028.8	2044.4
40°	1759.0	1821.3	1893.9	1966.6	1982.2
42.5°	1670.8	1738.3	1826.5	1893.9	1919.9
45°	1582.6	1655.3	1748.7	1826.5	1847.2
47.5°	1489.2	1572.2	1676.0	1748.7	1774.6
50°	1395.8	1484.0	1593.0	1676.0	1696.8
52.5°	1302.4	1395.8	1510.0	1593.0	1618.9
55°	1203.8	1302.4	1421.8	1510.0	1541.1
57.5°	1110.4	1209.0	1333.5	1426.9	1458.1
60°	1006.6	1120.8	1245.3	1338.7	1375.1
62.5°	918.4	1022.2	1157.1	1250.5	1281.7
65°	814.7	923.6	1063.7	1162.3	1193.4
67.5°	716.1	830.2	970.3	1074.1	1105.2
70°	617.5	731.6	882.1	980.7	1017.0
72.5°	518.9	638.2	783.5	892.5	928.8
75°	425.5	539.6	695.3	804.3	840.6
77.5°	326.9	451.4	607.1	716.1	757.6
80°	238.7	368.4	524.1	633.0	674.6
82.5°	160.9	290.6	446.2	555.2	596.7
85°	93.4	223.1	378.8	482.6	518.9
87.5°	46.7	171.2	316.5	420.3	456.6
90°	0.0	124.5	264.6	363.2	399.5
92.5°	0.0	119.3	259.4	352.8	389.2
95°	0.0	119.3	254.3	347.7	384.0
97.5°	0.0	114.2	249.1	347.7	378.8
100°	0.0	109.0	249.1	342.5	373.6
102.5°	0.0	103.8	243.9	337.3	368.4
105°	0.0	98.6	238.7	326.9	358.0
107.5°	5.2	98.6	228.3	321.7	352.8
110°	5.2	93.4	217.9	316.5	347.7



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	5.2	88.2	207.6	306.1	337.3
115°	5.2	88.2	202.4	290.6	326.9
117.5°	5.2	83.0	192.0	280.2	316.5
120°	5.2	83.0	186.8	269.8	301.0
122.5°	5.2	77.8	176.4	259.4	290.6
125°	5.2	72.6	171.2	249.1	280.2
127.5°	5.2	67.5	166.0	238.7	269.8
130°	5.2	62.3	155.7	228.3	254.3
132.5°	5.2	62.3	150.5	212.7	243.9
135°	5.2	57.1	140.1	202.4	228.3
137.5°	5.2	51.9	129.7	192.0	217.9
140°	5.2	46.7	119.3	181.6	202.4
142.5°	5.2	46.7	109.0	166.0	186.8
145°	5.2	41.5	98.6	155.7	171.2
147.5°	5.2	36.3	88.2	140.1	155.7
150°	5.2	36.3	77.8	124.5	140.1
152.5°	5.2	31.1	67.5	114.2	129.7
155°	5.2	25.9	62.3	98.6	114.2
157.5°	5.2	25.9	51.9	83.0	98.6
160°	5.2	20.8	46.7	67.5	83.0
162.5°	5.2	20.8	41.5	57.1	72.6
165°	5.2	15.6	31.1	46.7	57.1
167.5°	5.2	15.6	25.9	36.3	46.7
170°	5.2	10.4	20.8	25.9	36.3
172.5°	5.2	10.4	15.6	15.6	15.6
175°	5.2	5.2	10.4	10.4	5.2
177.5°	5.2	5.2	5.2	5.2	5.2
180°	5.2	5.2	5.2	5.2	5.2

(END OF REPORT)