

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: P568140

Luminaire Tested: **8SNX-96SL-LW-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568140
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-LW-UNV-L840-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

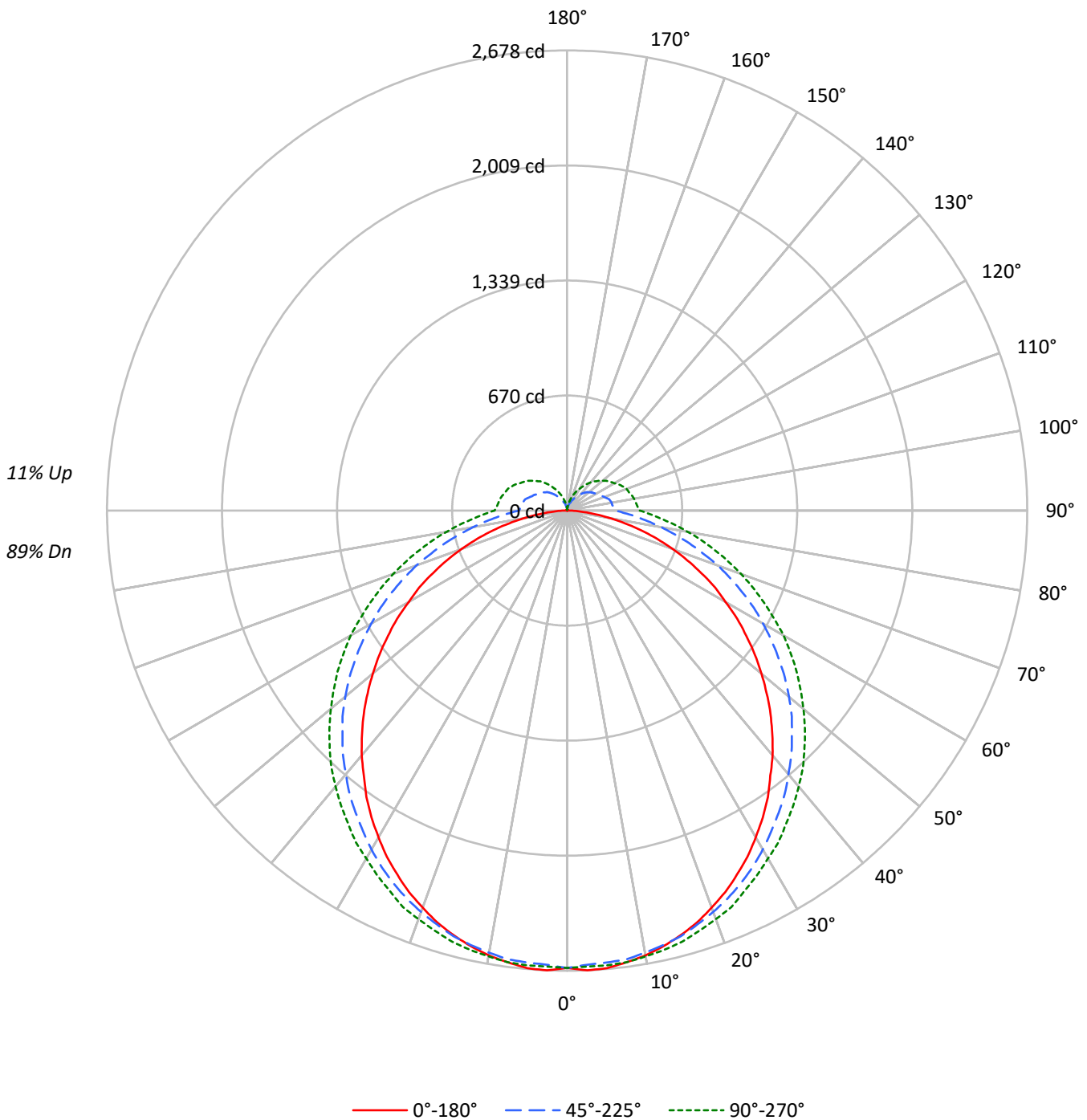
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9476.0 lumens
Efficiency: N/A
Efficacy: 147.6 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: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 64.2
Input Voltage (V): NR
Input Current (A_{in}): 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°	14326	14326	14326
5°	14414	13680	13560
10°	14314	13150	12883
15°	14171	12635	12272
20°	13976	12099	11661
25°	13750	11584	11064
30°	13481	11052	10491
35°	13186	10518	9956
40°	12847	9996	9445
45°	12480	9473	8922
50°	12062	8932	8374
55°	11602	8328	7835
60°	11061	7697	7265
65°	10504	7015	6616
70°	9721	6286	5978
75°	8682	5434	5300
80°	6999	4573	4625
85°	4928	3773	3931



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.8	2.7
10°-20°	726.7	7.7
20°-30°	1105.0	11.7
30°-40°	1341.3	14.2
40°-50°	1417.4	15.0
50°-60°	1326.4	14.0
60°-70°	1088.3	11.5
70°-80°	748.5	7.9
80°-90°	409.9	4.3
90°-100°	263.9	2.8
100°-110°	236.9	2.5
110°-120°	196.0	2.1
120°-130°	151.0	1.6
130°-140°	106.1	1.1
140°-150°	63.9	0.7
150°-160°	30.6	0.3
160°-170°	10.1	0.1
170°-180°	1.2	0.0
0°-30°	2084.5	22.0
0°-40°	3425.8	36.2
0°-60°	6169.6	65.1
0°-90°	8416.3	88.8
90°-120°	696.9	7.4
90°-150°	1017.8	10.7
90°-180°	1060.0	11.2
0°-180°	9476.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2662	2662	2662	2662	2662	
5°	2673	2667	2640	2662	2656	253
15°	2558	2568	2563	2596	2596	721
25°	2338	2366	2393	2442	2442	1077
35°	2036	2086	2146	2206	2223	1272
45°	1674	1751	1850	1932	1954	1290
55°	1273	1378	1504	1597	1630	1139
65°	862	977	1125	1229	1262	853
75°	450	571	735	851	889	474
85°	99	236	401	510	549	114
90°	0	132	280	384	423	7
95°	0	126	269	368	406	0
105°	0	104	252	346	379	4
115°	6	93	214	307	346	5
125°	6	77	181	263	296	5
135°	6	60	148	214	242	4
145°	6	44	104	165	181	3
155°	6	27	66	104	121	3
165°	6	16	33	49	60	2
175°	6	6	11	11	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2661.8	2661.8	2661.8	2661.8	2661.8
2.5°	2678.3	2672.8	2645.4	2667.3	2656.3
5°	2672.8	2667.3	2639.9	2661.8	2656.3
7.5°	2650.9	2650.9	2634.4	2656.3	2650.9
10°	2628.9	2628.9	2612.4	2639.9	2634.4
12.5°	2596.0	2601.5	2590.5	2623.4	2617.9
15°	2557.6	2568.5	2563.0	2596.0	2596.0
17.5°	2513.6	2524.6	2524.6	2563.0	2563.0
20°	2458.8	2475.2	2486.2	2530.1	2530.1
22.5°	2403.9	2425.8	2442.3	2480.7	2497.2
25°	2338.0	2365.5	2392.9	2442.3	2442.3
27.5°	2272.2	2305.1	2338.0	2387.4	2392.9
30°	2195.3	2233.7	2277.6	2327.0	2338.0
32.5°	2118.5	2167.9	2211.8	2272.2	2288.6
35°	2036.2	2085.6	2145.9	2206.3	2222.8
37.5°	1942.9	2003.2	2080.1	2145.9	2162.4
40°	1860.5	1926.4	2003.2	2080.1	2096.5
42.5°	1767.2	1838.6	1931.9	2003.2	2030.7
45°	1673.9	1750.8	1849.6	1931.9	1953.8
47.5°	1575.1	1663.0	1772.7	1849.6	1877.0
50°	1476.4	1569.7	1684.9	1772.7	1794.7
52.5°	1377.6	1476.4	1597.1	1684.9	1712.4
55°	1273.3	1377.6	1503.8	1597.1	1630.0
57.5°	1174.5	1278.8	1410.5	1509.3	1542.2
60°	1064.7	1185.5	1317.2	1416.0	1454.4
62.5°	971.4	1081.2	1223.9	1322.7	1355.6
65°	861.7	976.9	1125.1	1229.4	1262.3
67.5°	757.4	878.1	1026.3	1136.1	1169.0
70°	653.1	773.9	933.0	1037.3	1075.7
72.5°	548.8	675.1	828.7	944.0	982.4
75°	450.0	570.8	735.4	850.7	889.1
77.5°	345.8	477.5	642.1	757.4	801.3
80°	252.5	389.7	554.3	669.6	713.5
82.5°	170.1	307.3	472.0	587.2	631.2
85°	98.8	236.0	400.6	510.4	548.8
87.5°	49.4	181.1	334.8	444.6	483.0
90°	0.0	131.7	279.9	384.2	422.6
92.5°	0.0	126.2	274.4	373.2	411.6
95°	0.0	126.2	268.9	367.7	406.1
97.5°	0.0	120.7	263.4	367.7	400.6
100°	0.0	115.3	263.4	362.2	395.2
102.5°	0.0	109.8	258.0	356.7	389.7
105°	0.0	104.3	252.5	345.8	378.7
107.5°	5.5	104.3	241.5	340.3	373.2
110°	5.5	98.8	230.5	334.8	367.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	5.5	93.3	219.5	323.8	356.7
115°	5.5	93.3	214.0	307.3	345.8
117.5°	5.5	87.8	203.1	296.4	334.8
120°	5.5	87.8	197.6	285.4	318.3
122.5°	5.5	82.3	186.6	274.4	307.3
125°	5.5	76.8	181.1	263.4	296.4
127.5°	5.5	71.3	175.6	252.5	285.4
130°	5.5	65.9	164.6	241.5	268.9
132.5°	5.5	65.9	159.2	225.0	258.0
135°	5.5	60.4	148.2	214.0	241.5
137.5°	5.5	54.9	137.2	203.1	230.5
140°	5.5	49.4	126.2	192.1	214.0
142.5°	5.5	49.4	115.3	175.6	197.6
145°	5.5	43.9	104.3	164.6	181.1
147.5°	5.5	38.4	93.3	148.2	164.6
150°	5.5	38.4	82.3	131.7	148.2
152.5°	5.5	32.9	71.3	120.7	137.2
155°	5.5	27.4	65.9	104.3	120.7
157.5°	5.5	27.4	54.9	87.8	104.3
160°	5.5	22.0	49.4	71.3	87.8
162.5°	5.5	22.0	43.9	60.4	76.8
165°	5.5	16.5	32.9	49.4	60.4
167.5°	5.5	16.5	27.4	38.4	49.4
170°	5.5	11.0	22.0	27.4	38.4
172.5°	5.5	11.0	16.5	16.5	16.5
175°	5.5	5.5	11.0	11.0	5.5
177.5°	5.5	5.5	5.5	5.5	5.5
180°	5.5	5.5	5.5	5.5	5.5

(END OF REPORT)