

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: P568144

Luminaire Tested: **8SNX-96SL-LW-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568144
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-L940-CD
Description: 8FT 9600 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

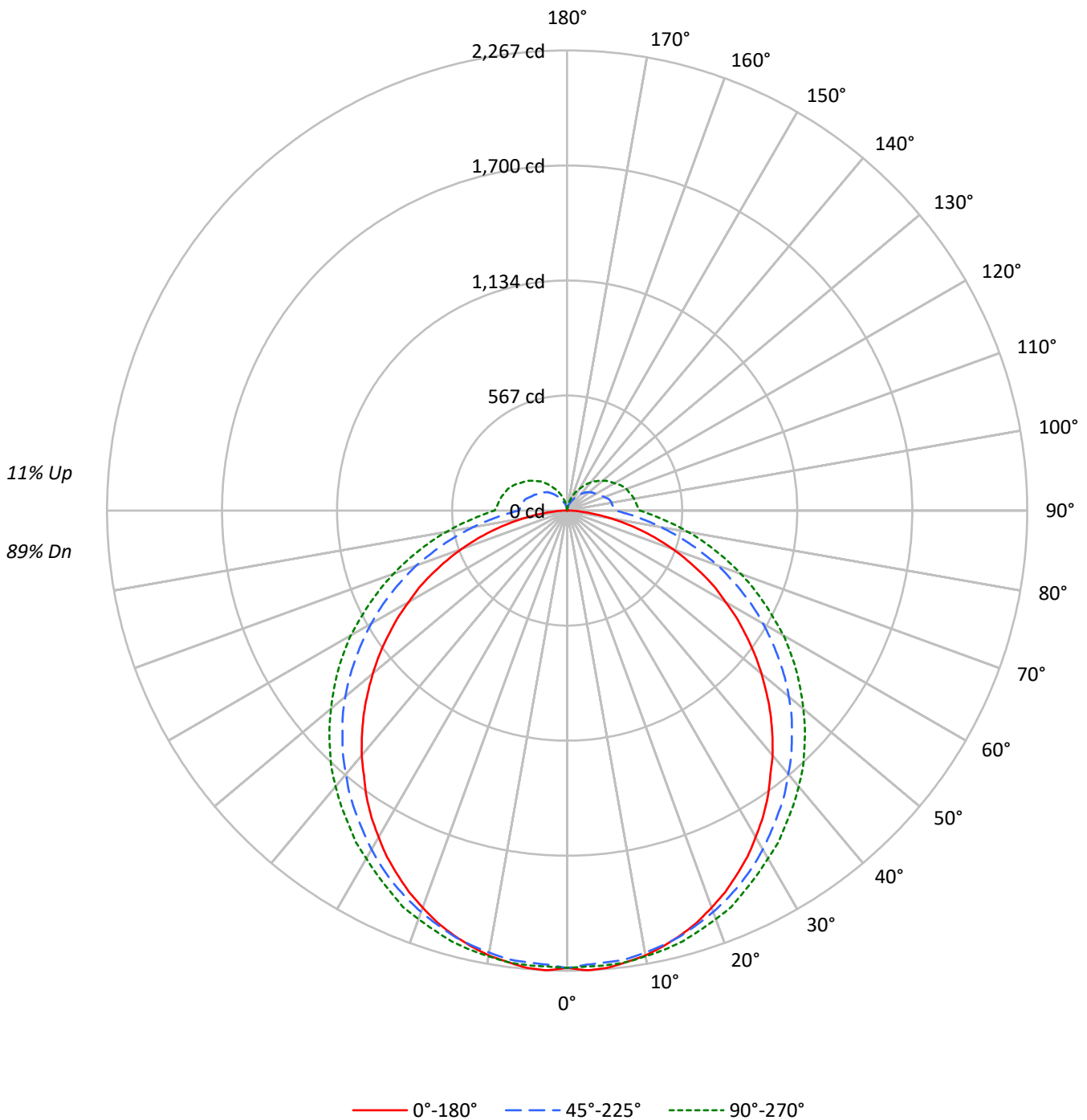
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8020.0 lumens
Efficiency: N/A
Efficacy: 124.9 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	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°	12124	12124	12124
5°	12199	11578	11477
10°	12115	11129	10903
15°	11994	10693	10386
20°	11829	10240	9870
25°	11638	9804	9364
30°	11409	9354	8880
35°	11160	8902	8426
40°	10873	8460	7994
45°	10563	8017	7552
50°	10208	7560	7087
55°	9819	7048	6631
60°	9362	6514	6149
65°	8890	5937	5600
70°	8228	5320	5059
75°	7349	4599	4486
80°	5923	3870	3915
85°	4170	3194	3327



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.0	2.7
10°-20°	615.0	7.7
20°-30°	935.2	11.7
30°-40°	1135.2	14.2
40°-50°	1199.6	15.0
50°-60°	1122.5	14.0
60°-70°	921.1	11.5
70°-80°	633.5	7.9
80°-90°	346.9	4.3
90°-100°	223.4	2.8
100°-110°	200.5	2.5
110°-120°	165.9	2.1
120°-130°	127.8	1.6
130°-140°	89.8	1.1
140°-150°	54.1	0.7
150°-160°	25.9	0.3
160°-170°	8.5	0.1
170°-180°	1.0	0.0
0°-30°	1764.2	22.0
0°-40°	2899.5	36.2
0°-60°	5221.6	65.1
0°-90°	7123.1	88.8
90°-120°	589.8	7.4
90°-150°	861.5	10.7
90°-180°	897.0	11.2
0°-180°	8020.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2253	2253	2253	2253	2253	
5°	2262	2258	2234	2253	2248	215
15°	2165	2174	2169	2197	2197	610
25°	1979	2002	2025	2067	2067	912
35°	1723	1765	1816	1867	1881	1076
45°	1417	1482	1565	1635	1654	1092
55°	1078	1166	1273	1352	1380	964
65°	729	827	952	1040	1068	722
75°	381	483	622	720	752	401
85°	84	200	339	432	464	97
90°	0	112	237	325	358	6
95°	0	107	228	311	344	0
105°	0	88	214	293	320	3
115°	5	79	181	260	293	5
125°	5	65	153	223	251	4
135°	5	51	125	181	204	4
145°	5	37	88	139	153	3
155°	5	23	56	88	102	2
165°	5	14	28	42	51	1
175°	5	5	9	9	5	0
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2252.8	2252.8	2252.8	2252.8	2252.8
2.5°	2266.8	2262.1	2238.9	2257.5	2248.2
5°	2262.1	2257.5	2234.3	2252.8	2248.2
7.5°	2243.5	2243.5	2229.6	2248.2	2243.5
10°	2225.0	2225.0	2211.0	2234.3	2229.6
12.5°	2197.1	2201.7	2192.5	2220.3	2215.7
15°	2164.6	2173.9	2169.2	2197.1	2197.1
17.5°	2127.4	2136.7	2136.7	2169.2	2169.2
20°	2081.0	2094.9	2104.2	2141.4	2141.4
22.5°	2034.5	2053.1	2067.0	2099.6	2113.5
25°	1978.8	2002.0	2025.2	2067.0	2067.0
27.5°	1923.0	1950.9	1978.8	2020.6	2025.2
30°	1858.0	1890.5	1927.7	1969.5	1978.8
32.5°	1793.0	1834.8	1871.9	1923.0	1937.0
35°	1723.3	1765.1	1816.2	1867.3	1881.2
37.5°	1644.3	1695.4	1760.5	1816.2	1830.1
40°	1574.7	1630.4	1695.4	1760.5	1774.4
42.5°	1495.7	1556.1	1635.0	1695.4	1718.7
45°	1416.7	1481.8	1565.4	1635.0	1653.6
47.5°	1333.1	1407.4	1500.3	1565.4	1588.6
50°	1249.5	1328.5	1426.0	1500.3	1518.9
52.5°	1165.9	1249.5	1351.7	1426.0	1449.2
55°	1077.6	1165.9	1272.7	1351.7	1379.6
57.5°	994.0	1082.3	1193.8	1277.4	1305.3
60°	901.1	1003.3	1114.8	1198.4	1230.9
62.5°	822.2	915.1	1035.8	1119.5	1147.3
65°	729.3	826.8	952.2	1040.5	1068.4
67.5°	641.0	743.2	868.6	961.5	989.4
70°	552.8	654.9	789.7	877.9	910.4
72.5°	464.5	571.3	701.4	798.9	831.5
75°	380.9	483.1	622.4	720.0	752.5
77.5°	292.6	404.1	543.5	641.0	678.2
80°	213.7	329.8	469.1	566.7	603.9
82.5°	144.0	260.1	399.5	497.0	534.2
85°	83.6	199.7	339.1	432.0	464.5
87.5°	41.8	153.3	283.3	376.2	408.8
90°	0.0	111.5	236.9	325.2	357.7
92.5°	0.0	106.8	232.3	315.9	348.4
95°	0.0	106.8	227.6	311.2	343.7
97.5°	0.0	102.2	223.0	311.2	339.1
100°	0.0	97.5	223.0	306.6	334.4
102.5°	0.0	92.9	218.3	301.9	329.8
105°	0.0	88.3	213.7	292.6	320.5
107.5°	4.6	88.3	204.4	288.0	315.9
110°	4.6	83.6	195.1	283.3	311.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	4.6	79.0	185.8	274.1	301.9
115°	4.6	79.0	181.2	260.1	292.6
117.5°	4.6	74.3	171.9	250.8	283.3
120°	4.6	74.3	167.2	241.5	269.4
122.5°	4.6	69.7	157.9	232.3	260.1
125°	4.6	65.0	153.3	223.0	250.8
127.5°	4.6	60.4	148.6	213.7	241.5
130°	4.6	55.7	139.4	204.4	227.6
132.5°	4.6	55.7	134.7	190.4	218.3
135°	4.6	51.1	125.4	181.2	204.4
137.5°	4.6	46.5	116.1	171.9	195.1
140°	4.6	41.8	106.8	162.6	181.2
142.5°	4.6	41.8	97.5	148.6	167.2
145°	4.6	37.2	88.3	139.4	153.3
147.5°	4.6	32.5	79.0	125.4	139.4
150°	4.6	32.5	69.7	111.5	125.4
152.5°	4.6	27.9	60.4	102.2	116.1
155°	4.6	23.2	55.7	88.3	102.2
157.5°	4.6	23.2	46.5	74.3	88.3
160°	4.6	18.6	41.8	60.4	74.3
162.5°	4.6	18.6	37.2	51.1	65.0
165°	4.6	13.9	27.9	41.8	51.1
167.5°	4.6	13.9	23.2	32.5	41.8
170°	4.6	9.3	18.6	23.2	32.5
172.5°	4.6	9.3	13.9	13.9	13.9
175°	4.6	4.6	9.3	9.3	4.6
177.5°	4.6	4.6	4.6	4.6	4.6
180°	4.6	4.6	4.6	4.6	4.6

(END OF REPORT)