

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: P568038

Luminaire Tested: **8SNX-82SL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568038
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-6)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNX-82SL-LN-UNV-L930-CD
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

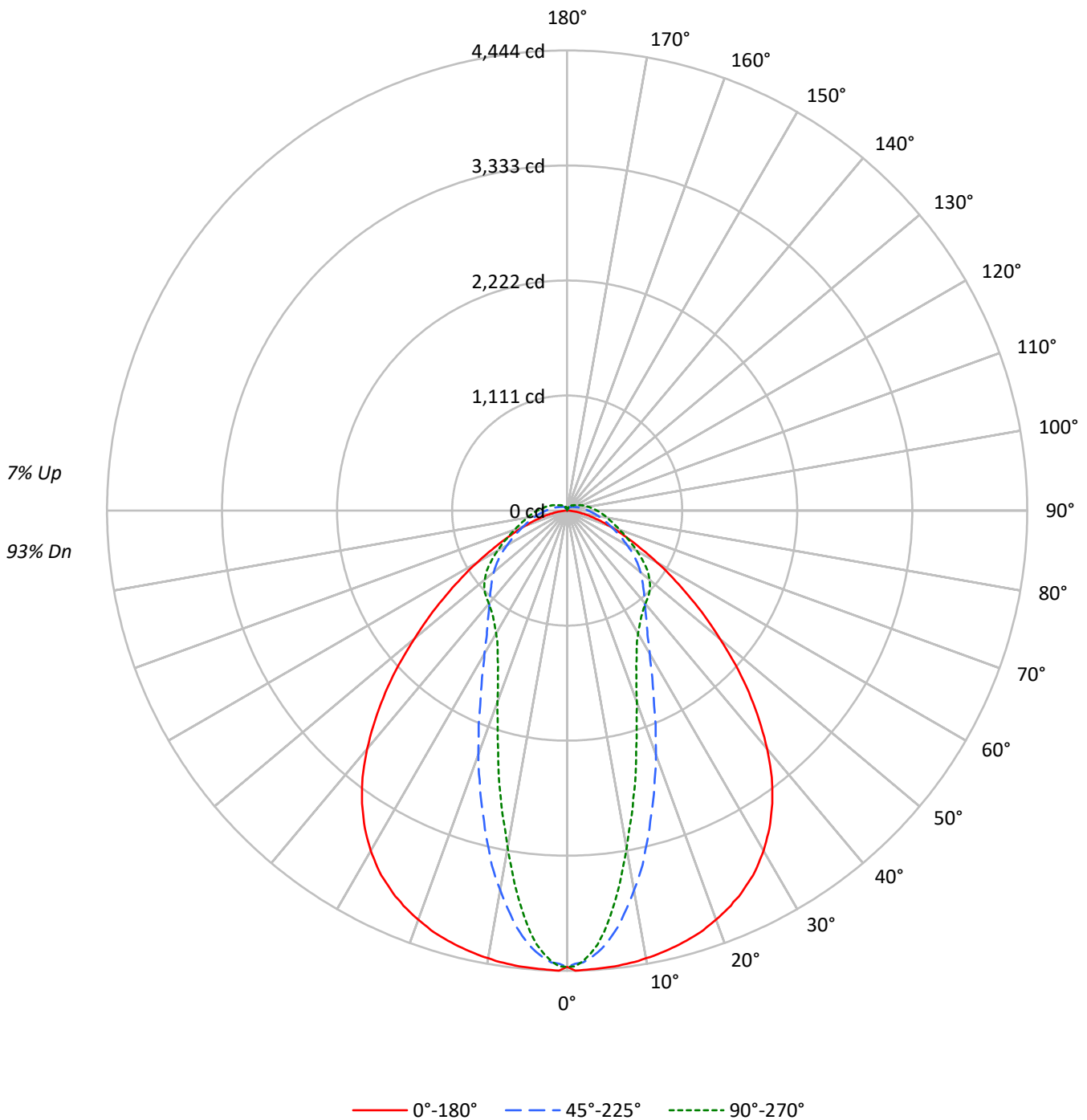
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7025.0 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 0.56 / 0.78
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.17')
CIE Type: Direct

Input Watts (W): 52.6
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	50	30	10	0	
RCR																						
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	88	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	82	77	84	79	75	79	75	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	67	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	59	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	47	41	65	54	46	41	52	45	40	50	44	39	48	42	38	36				
8	63	51	43	37	61	50	42	37	48	41	36	46	40	36	44	39	35	33				
9	59	47	39	34	58	46	39	34	44	38	33	43	37	33	41	36	32	30				
10	56	44	36	31	54	43	36	31	41	35	31	40	34	30	39	34	30	28				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23718	23718	23718
5°	23885	21827	20862
10°	23896	18736	16185
15°	23929	15300	12131
20°	23899	12201	9078
25°	23731	9571	7205
30°	23286	7754	6146
35°	22363	6569	5590
40°	20745	5805	5291
45°	18502	5317	5128
50°	15731	4899	4844
55°	12983	4445	4424
60°	10442	3916	3881
65°	8169	3443	3377
70°	6412	3051	2987
75°	5043	2748	2721
80°	3673	2521	2530
85°	2204	2358	2426



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.3	5.6
10°-20°	914.8	13.0
20°-30°	1085.9	15.5
30°-40°	1092.5	15.6
40°-50°	1015.5	14.5
50°-60°	836.2	11.9
60°-70°	589.2	8.4
70°-80°	385.0	5.5
80°-90°	245.8	3.5
90°-100°	161.2	2.3
100°-110°	109.4	1.6
110°-120°	75.0	1.1
120°-130°	51.9	0.7
130°-140°	34.9	0.5
140°-150°	21.5	0.3
150°-160°	11.2	0.2
160°-170°	4.0	0.1
170°-180°	0.7	0.0
0°-30°	2390.9	34.0
0°-40°	3483.4	49.6
0°-60°	5335.2	75.9
0°-90°	6555.2	93.3
90°-120°	345.6	4.9
90°-150°	453.9	6.5
90°-180°	470.0	6.7
0°-180°	7025.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4407	4407	4407	4407	4407	
5°	4429	4370	4212	4131	4087	422
15°	4319	3858	3104	2713	2566	1220
25°	4035	2982	1977	1660	1590	1857
35°	3453	2018	1340	1256	1248	2148
45°	2482	1329	1038	1094	1123	1905
55°	1425	873	803	891	920	1287
65°	670	526	552	622	644	680
75°	261	272	372	438	456	283
85°	44	125	250	324	339	56
90°	0	85	202	276	287	3
95°	0	63	169	232	243	0
105°	0	44	114	162	177	0
115°	4	37	81	118	125	3
125°	4	30	66	85	92	3
135°	4	26	52	66	70	3
145°	4	18	37	52	55	2
155°	4	15	26	37	40	2
165°	4	7	15	18	22	1
175°	7	7	7	7	4	0
180°	4	4	4	4	4	



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CATALOG NUMBER: 8SNX-82SL-LN-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4407.0	4407.0	4407.0	4407.0	4407.0
1°	4443.8	4425.4	4377.5	4410.7	4403.3
2°	4440.1	4421.7	4366.5	4381.2	4355.4
3°	4436.4	4410.7	4326.0	4322.3	4285.5
4°	4432.8	4392.3	4274.5	4230.3	4200.8
5°	4429.1	4370.2	4211.9	4130.9	4086.7
6°	4425.4	4344.4	4130.9	4009.4	3946.8
7°	4418.0	4303.9	4046.2	3880.5	3799.5
8°	4410.7	4267.1	3939.4	3740.6	3641.2
9°	4403.3	4219.2	3832.6	3589.7	3471.8
10°	4388.6	4171.4	3722.2	3435.0	3309.8
11°	4381.2	4116.1	3615.4	3287.8	3140.5
12°	4366.5	4057.2	3501.3	3133.1	3004.3
13°	4351.8	3994.6	3361.4	3000.6	2846.0
14°	4337.0	3928.4	3239.9	2853.3	2709.7
15°	4318.6	3858.4	3103.7	2713.4	2566.1
16°	4300.2	3777.4	2982.2	2569.8	2415.2
17°	4281.8	3700.1	2868.0	2437.3	2297.4
18°	4259.7	3622.8	2735.5	2308.4	2172.2
19°	4230.3	3534.4	2628.7	2190.6	2065.4
20°	4204.5	3453.4	2507.2	2080.2	1969.7
21°	4175.0	3354.0	2385.7	1977.1	1866.6
22.5°	4130.9	3214.1	2231.1	1848.2	1745.1
23°	4108.8	3173.6	2168.5	1800.4	1712.0
24°	4079.3	3066.9	2065.4	1726.7	1638.4
25°	4035.1	2982.2	1977.1	1660.4	1590.5
26°	3994.6	2879.1	1888.7	1601.5	1531.6
27°	3954.1	2779.7	1811.4	1538.9	1480.0
28°	3902.6	2676.6	1726.7	1487.4	1435.9
29°	3847.4	2580.9	1656.8	1443.2	1402.7
30°	3792.1	2474.1	1597.9	1402.7	1369.6
32.5°	3637.5	2238.5	1446.9	1325.4	1303.3
35°	3453.4	2017.6	1340.1	1255.5	1248.1
37.5°	3247.3	1815.1	1244.4	1200.2	1207.6
40°	3004.3	1631.0	1163.4	1159.7	1174.5
42.5°	2746.5	1472.7	1100.8	1126.6	1148.7
45°	2481.5	1329.1	1038.2	1093.5	1122.9
47.5°	2205.3	1203.9	983.0	1053.0	1086.1
50°	1925.5	1082.4	924.1	1005.1	1038.2
52.5°	1675.2	975.7	865.2	949.9	986.7
55°	1424.8	872.6	802.6	891.0	920.4
57.5°	1207.6	776.8	736.3	824.7	846.8
60°	1005.1	684.8	670.1	751.1	776.8
62.5°	821.0	603.8	607.5	684.8	710.6
65°	670.1	526.5	552.3	622.2	644.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	544.9	452.8	497.0	570.7	589.1
70°	430.8	386.6	452.8	519.1	537.5
72.5°	342.4	327.7	408.7	478.6	493.3
75°	261.4	272.4	371.9	438.1	456.5
77.5°	187.8	228.3	335.0	405.0	419.7
80°	132.5	187.8	305.6	375.5	390.3
82.5°	84.7	154.6	276.1	349.8	364.5
85°	44.2	125.2	250.4	324.0	338.7
87.5°	18.4	103.1	224.6	298.2	312.9
90°	0.0	84.7	202.5	276.1	287.2
92.5°	0.0	73.6	184.1	254.0	265.1
95°	0.0	62.6	169.4	231.9	243.0
97.5°	0.0	58.9	150.9	213.5	224.6
100°	0.0	51.5	136.2	195.1	209.9
102.5°	0.0	47.9	125.2	176.7	191.4
105°	0.0	44.2	114.1	162.0	176.7
107.5°	0.0	40.5	106.8	150.9	162.0
110°	0.0	40.5	95.7	139.9	150.9
112.5°	3.7	36.8	88.4	125.2	136.2
115°	3.7	36.8	81.0	117.8	125.2
117.5°	3.7	36.8	77.3	106.8	114.1
120°	3.7	33.1	73.6	99.4	106.8
122.5°	3.7	33.1	70.0	92.0	95.7
125°	3.7	29.5	66.3	84.7	92.0
127.5°	3.7	29.5	62.6	81.0	84.7
130°	3.7	29.5	58.9	73.6	81.0
132.5°	3.7	25.8	55.2	70.0	73.6
135°	3.7	25.8	51.5	66.3	70.0
137.5°	3.7	22.1	47.9	62.6	66.3
140°	3.7	22.1	44.2	58.9	62.6
142.5°	3.7	18.4	40.5	55.2	58.9
145°	3.7	18.4	36.8	51.5	55.2
147.5°	3.7	18.4	33.1	47.9	51.5
150°	3.7	14.7	29.5	44.2	47.9
152.5°	3.7	14.7	25.8	40.5	44.2
155°	3.7	14.7	25.8	36.8	40.5
157.5°	3.7	11.0	22.1	29.5	36.8
160°	3.7	11.0	18.4	25.8	33.1
162.5°	3.7	11.0	18.4	22.1	25.8
165°	3.7	7.4	14.7	18.4	22.1
167.5°	3.7	7.4	11.0	14.7	18.4
170°	3.7	7.4	11.0	11.0	14.7
172.5°	3.7	7.4	7.4	7.4	7.4
175°	7.4	7.4	7.4	7.4	3.7
177.5°	7.4	7.4	7.4	3.7	3.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.7	3.7	3.7	3.7	3.7

(END OF REPORT)