

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: P568041

Luminaire Tested: **8SNX-82SL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P568041
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-L950-CD
Description: 8FT 8200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

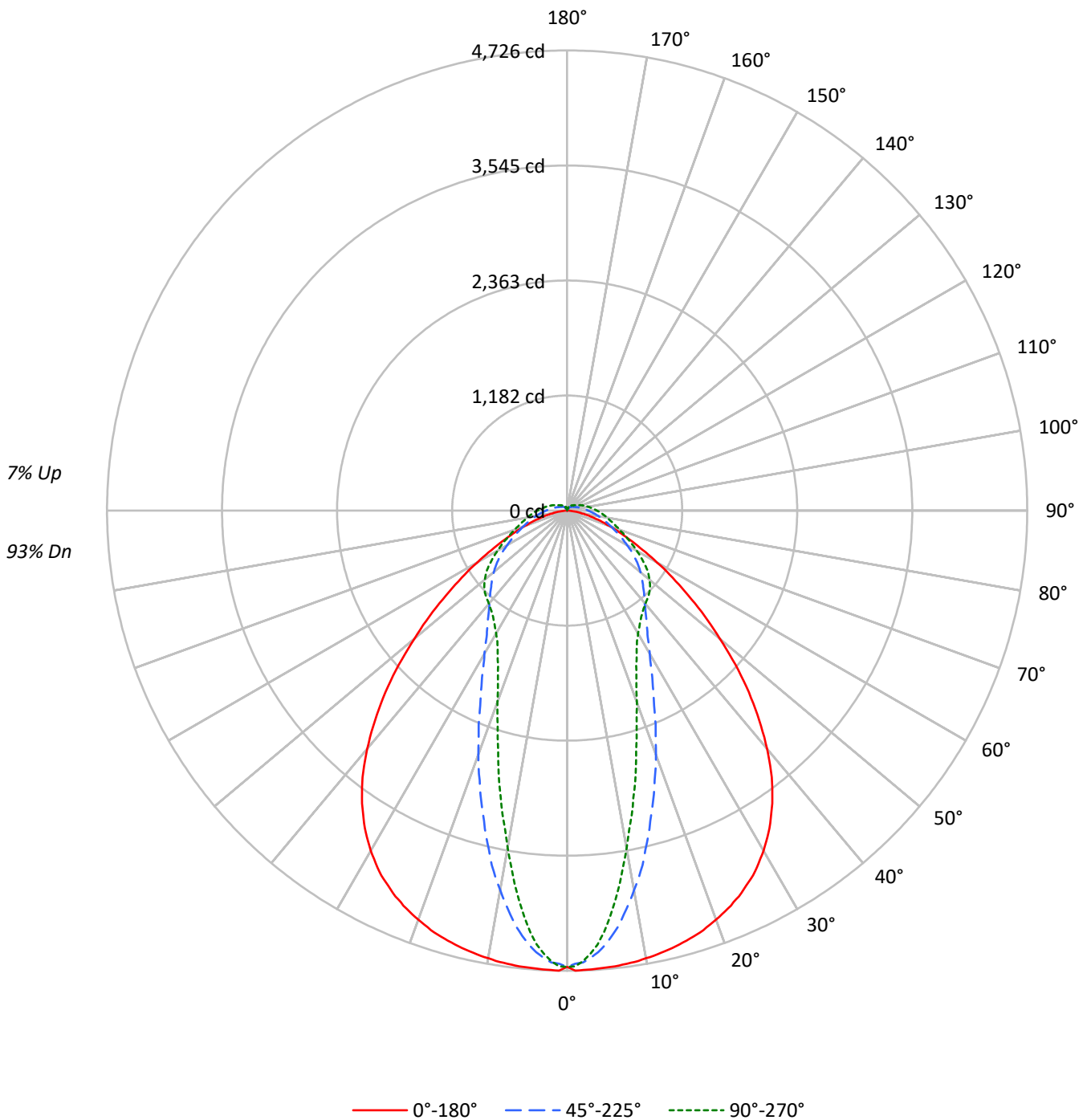
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7471.0 lumens
Efficiency: N/A
Efficacy: 142.0 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 (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	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°	25224	25224	25224
5°	25401	23212	22186
10°	25413	19925	17213
15°	25448	16271	12901
20°	25417	12976	9655
25°	25238	10179	7663
30°	24765	8246	6536
35°	23783	6986	5945
40°	22061	6174	5627
45°	19676	5655	5454
50°	16731	5210	5152
55°	13807	4727	4705
60°	11105	4164	4127
65°	8687	3662	3591
70°	6818	3245	3177
75°	5364	2922	2894
80°	3908	2681	2690
85°	2344	2507	2580



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	415.0	5.6
10°-20°	972.9	13.0
20°-30°	1154.8	15.5
30°-40°	1161.9	15.6
40°-50°	1080.0	14.5
50°-60°	889.3	11.9
60°-70°	626.6	8.4
70°-80°	409.4	5.5
80°-90°	261.4	3.5
90°-100°	171.4	2.3
100°-110°	116.4	1.6
110°-120°	79.8	1.1
120°-130°	55.2	0.7
130°-140°	37.1	0.5
140°-150°	22.9	0.3
150°-160°	11.9	0.2
160°-170°	4.3	0.1
170°-180°	0.7	0.0
0°-30°	2542.7	34.0
0°-40°	3704.6	49.6
0°-60°	5673.9	75.9
0°-90°	6971.4	93.3
90°-120°	367.6	4.9
90°-150°	482.7	6.5
90°-180°	500.0	6.7
0°-180°	7471.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4687	4687	4687	4687	4687	
5°	4710	4648	4479	4393	4346	448
15°	4593	4103	3301	2886	2729	1297
25°	4291	3172	2103	1766	1692	1975
35°	3673	2146	1425	1335	1327	2284
45°	2639	1414	1104	1163	1194	2026
55°	1515	928	854	948	979	1369
65°	713	560	587	662	685	723
75°	278	290	396	466	486	301
85°	47	133	266	345	360	59
90°	0	90	215	294	305	3
95°	0	67	180	247	258	0
105°	0	47	121	172	188	0
115°	4	39	86	125	133	3
125°	4	31	70	90	98	3
135°	4	27	55	70	74	3
145°	4	20	39	55	59	2
155°	4	16	27	39	43	2
165°	4	8	16	20	24	1
175°	8	8	8	8	4	1
180°	4	4	4	4	4	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4686.8	4686.8	4686.8	4686.8	4686.8
1°	4725.9	4706.4	4655.5	4690.7	4682.9
2°	4722.0	4702.4	4643.7	4659.4	4632.0
3°	4718.1	4690.7	4600.6	4596.7	4557.6
4°	4714.2	4671.1	4545.8	4498.8	4467.5
5°	4710.3	4647.6	4479.3	4393.1	4346.1
6°	4706.4	4620.2	4393.1	4263.9	4197.4
7°	4698.5	4577.1	4303.1	4126.9	4040.7
8°	4690.7	4538.0	4189.5	3978.1	3872.4
9°	4682.9	4487.1	4076.0	3817.6	3692.3
10°	4667.2	4436.2	3958.5	3653.1	3520.0
11°	4659.4	4377.5	3845.0	3496.5	3339.9
12°	4643.7	4314.8	3723.6	3332.0	3195.0
13°	4628.1	4248.3	3574.8	3191.1	3026.6
14°	4612.4	4177.8	3445.6	3034.5	2881.8
15°	4592.8	4103.4	3300.7	2885.7	2729.1
16°	4573.2	4017.2	3171.5	2733.0	2568.5
17°	4553.7	3935.0	3050.1	2592.0	2443.2
18°	4530.2	3852.8	2909.2	2455.0	2310.1
19°	4498.8	3758.8	2795.6	2329.7	2196.6
20°	4471.4	3672.7	2666.4	2212.2	2094.8
21°	4440.1	3567.0	2537.2	2102.6	1985.1
22.5°	4393.1	3418.2	2372.8	1965.6	1855.9
23°	4369.6	3375.1	2306.2	1914.7	1820.7
24°	4338.3	3261.6	2196.6	1836.3	1742.4
25°	4291.3	3171.5	2102.6	1765.9	1691.5
26°	4248.3	3061.9	2008.6	1703.2	1628.8
27°	4205.2	2956.2	1926.4	1636.7	1574.0
28°	4150.4	2846.5	1836.3	1581.8	1527.0
29°	4091.6	2744.7	1761.9	1534.9	1491.8
30°	4032.9	2631.2	1699.3	1491.8	1456.5
32.5°	3868.5	2380.6	1538.8	1409.6	1386.1
35°	3672.7	2145.7	1425.2	1335.2	1327.3
37.5°	3453.4	1930.3	1323.4	1276.4	1284.3
40°	3195.0	1734.5	1237.3	1233.4	1249.0
42.5°	2920.9	1566.2	1170.7	1198.1	1221.6
45°	2639.0	1413.5	1104.2	1162.9	1194.2
47.5°	2345.3	1280.3	1045.4	1119.8	1155.1
50°	2047.8	1151.1	982.8	1068.9	1104.2
52.5°	1781.5	1037.6	920.1	1010.2	1049.3
55°	1515.3	928.0	853.6	947.5	978.9
57.5°	1284.3	826.2	783.1	877.1	900.6
60°	1068.9	728.3	712.6	798.7	826.2
62.5°	873.1	642.1	646.0	728.3	755.7
65°	712.6	559.9	587.3	661.7	685.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	579.5	481.6	528.6	606.9	626.5
70°	458.1	411.1	481.6	552.1	571.7
72.5°	364.1	348.5	434.6	509.0	524.7
75°	278.0	289.7	395.5	465.9	485.5
77.5°	199.7	242.8	356.3	430.7	446.4
80°	141.0	199.7	325.0	399.4	415.0
82.5°	90.1	164.4	293.7	372.0	387.6
85°	47.0	133.1	266.2	344.6	360.2
87.5°	19.6	109.6	238.8	317.2	332.8
90°	0.0	90.1	215.3	293.7	305.4
92.5°	0.0	78.3	195.8	270.2	281.9
95°	0.0	66.6	180.1	246.7	258.4
97.5°	0.0	62.6	160.5	227.1	238.8
100°	0.0	54.8	144.9	207.5	223.2
102.5°	0.0	50.9	133.1	187.9	203.6
105°	0.0	47.0	121.4	172.3	187.9
107.5°	0.0	43.1	113.5	160.5	172.3
110°	0.0	43.1	101.8	148.8	160.5
112.5°	3.9	39.2	94.0	133.1	144.9
115°	3.9	39.2	86.1	125.3	133.1
117.5°	3.9	39.2	82.2	113.5	121.4
120°	3.9	35.2	78.3	105.7	113.5
122.5°	3.9	35.2	74.4	97.9	101.8
125°	3.9	31.3	70.5	90.1	97.9
127.5°	3.9	31.3	66.6	86.1	90.1
130°	3.9	31.3	62.6	78.3	86.1
132.5°	3.9	27.4	58.7	74.4	78.3
135°	3.9	27.4	54.8	70.5	74.4
137.5°	3.9	23.5	50.9	66.6	70.5
140°	3.9	23.5	47.0	62.6	66.6
142.5°	3.9	19.6	43.1	58.7	62.6
145°	3.9	19.6	39.2	54.8	58.7
147.5°	3.9	19.6	35.2	50.9	54.8
150°	3.9	15.7	31.3	47.0	50.9
152.5°	3.9	15.7	27.4	43.1	47.0
155°	3.9	15.7	27.4	39.2	43.1
157.5°	3.9	11.7	23.5	31.3	39.2
160°	3.9	11.7	19.6	27.4	35.2
162.5°	3.9	11.7	19.6	23.5	27.4
165°	3.9	7.8	15.7	19.6	23.5
167.5°	3.9	7.8	11.7	15.7	19.6
170°	3.9	7.8	11.7	11.7	15.7
172.5°	3.9	7.8	7.8	7.8	7.8
175°	7.8	7.8	7.8	7.8	3.9
177.5°	7.8	7.8	7.8	3.9	3.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.9	3.9	3.9	3.9	3.9

(END OF REPORT)