

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: P567177

Luminaire Tested: **8SNX-102SL-LN-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567177
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-102SL-LN-UNV-L950-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

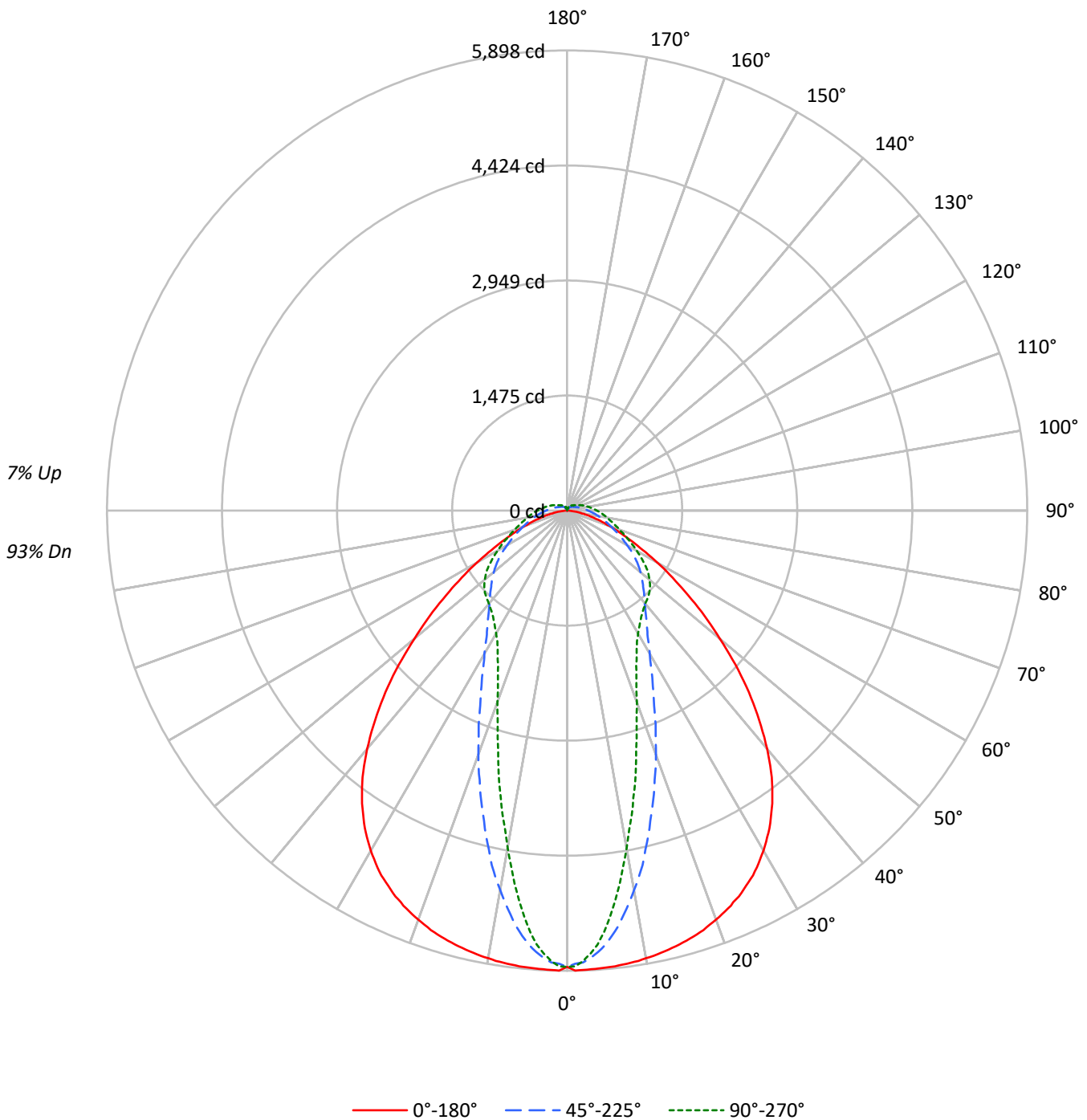
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9323.0 lumens
Efficiency: N/A
Efficacy: 133.2 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): 70
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°	31477	31477	31477
5°	31698	28966	27686
10°	31713	24865	21480
15°	31756	20305	16099
20°	31718	16192	12048
25°	31494	12702	9562
30°	30904	10290	8156
35°	29679	8718	7419
40°	27530	7705	7022
45°	24554	7057	6805
50°	20878	6502	6429
55°	17230	5899	5871
60°	13858	5197	5150
65°	10841	4569	4482
70°	8509	4049	3964
75°	6693	3646	3612
80°	4876	3345	3357
85°	2923	3130	3220



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	517.9	5.6
10°-20°	1214.0	13.0
20°-30°	1441.1	15.5
30°-40°	1449.9	15.6
40°-50°	1347.7	14.5
50°-60°	1109.8	11.9
60°-70°	782.0	8.4
70°-80°	510.9	5.5
80°-90°	326.2	3.5
90°-100°	213.9	2.3
100°-110°	145.2	1.6
110°-120°	99.5	1.1
120°-130°	68.9	0.7
130°-140°	46.3	0.5
140°-150°	28.6	0.3
150°-160°	14.8	0.2
160°-170°	5.4	0.1
170°-180°	0.9	0.0
0°-30°	3173.1	34.0
0°-40°	4622.9	49.6
0°-60°	7080.4	75.9
0°-90°	8699.5	93.3
90°-120°	458.7	4.9
90°-150°	602.4	6.5
90°-180°	624.0	6.7
0°-180°	9323.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5849	5849	5849	5849	5849	
5°	5878	5800	5590	5482	5424	560
15°	5731	5121	4119	3601	3406	1619
25°	5355	3958	2624	2204	2111	2464
35°	4583	2678	1778	1666	1656	2850
45°	3293	1764	1378	1451	1490	2528
55°	1891	1158	1065	1182	1222	1708
65°	889	699	733	826	855	902
75°	347	362	494	581	606	375
85°	59	166	332	430	450	74
90°	0	112	269	366	381	3
95°	0	83	225	308	322	0
105°	0	59	152	215	234	0
115°	5	49	108	156	166	4
125°	5	39	88	112	122	4
135°	5	34	68	88	93	4
145°	5	24	49	68	73	3
155°	5	20	34	49	54	2
165°	5	10	20	24	29	1
175°	10	10	10	10	5	1
180°	5	5	5	5	5	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5848.6	5848.6	5848.6	5848.6	5848.6
1°	5897.5	5873.0	5809.5	5853.5	5843.7
2°	5892.6	5868.1	5794.9	5814.4	5780.2
3°	5887.7	5853.5	5741.1	5736.2	5687.4
4°	5882.8	5829.1	5672.7	5614.1	5575.0
5°	5877.9	5799.7	5589.6	5482.1	5423.5
6°	5873.0	5765.5	5482.1	5320.9	5237.8
7°	5863.3	5711.8	5369.8	5149.9	5042.4
8°	5853.5	5662.9	5228.1	4964.2	4832.3
9°	5843.7	5599.4	5086.4	4763.9	4607.5
10°	5824.2	5535.9	4939.8	4558.7	4392.6
11°	5814.4	5462.6	4798.1	4363.2	4167.8
12°	5794.9	5384.4	4646.6	4158.0	3987.0
13°	5775.3	5301.4	4461.0	3982.1	3776.9
14°	5755.8	5213.4	4299.7	3786.7	3596.1
15°	5731.3	5120.6	4118.9	3601.0	3405.6
16°	5706.9	5013.1	3957.7	3410.5	3205.2
17°	5682.5	4910.5	3806.2	3234.6	3048.9
18°	5653.2	4807.9	3630.3	3063.6	2882.8
19°	5614.1	4690.6	3488.6	2907.2	2741.1
20°	5579.9	4583.1	3327.4	2760.6	2614.0
21°	5540.8	4451.2	3166.2	2623.8	2477.2
22.5°	5482.1	4265.5	2960.9	2452.8	2316.0
23°	5452.8	4211.8	2877.9	2389.3	2272.0
24°	5413.7	4070.1	2741.1	2291.6	2174.3
25°	5355.1	3957.7	2623.8	2203.6	2110.8
26°	5301.4	3820.9	2506.5	2125.4	2032.6
27°	5247.6	3689.0	2403.9	2042.4	1964.2
28°	5179.2	3552.2	2291.6	1974.0	1905.6
29°	5105.9	3425.1	2198.7	1915.3	1861.6
30°	5032.6	3283.4	2120.5	1861.6	1817.6
32.5°	4827.4	2970.7	1920.2	1759.0	1729.7
35°	4583.1	2677.6	1778.5	1666.1	1656.4
37.5°	4309.5	2408.8	1651.5	1592.9	1602.6
40°	3987.0	2164.5	1544.0	1539.1	1558.6
42.5°	3645.0	1954.4	1460.9	1495.1	1524.4
45°	3293.2	1763.9	1377.9	1451.2	1490.2
47.5°	2926.7	1597.7	1304.6	1397.4	1441.4
50°	2555.4	1436.5	1226.4	1333.9	1377.9
52.5°	2223.2	1294.8	1148.2	1260.6	1309.5
55°	1890.9	1158.0	1065.2	1182.4	1221.5
57.5°	1602.6	1031.0	977.2	1094.5	1123.8
60°	1333.9	908.8	889.3	996.8	1031.0
62.5°	1089.6	801.3	806.2	908.8	943.0
65°	889.3	698.7	732.9	825.7	855.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	723.1	601.0	659.6	757.3	781.8
70°	571.7	513.0	601.0	688.9	713.4
72.5°	454.4	434.9	542.4	635.2	654.7
75°	346.9	361.6	493.5	581.4	605.9
77.5°	249.2	302.9	444.6	537.5	557.0
80°	175.9	249.2	405.5	498.4	517.9
82.5°	112.4	205.2	366.5	464.2	483.7
85°	58.6	166.1	332.3	430.0	449.5
87.5°	24.4	136.8	298.0	395.8	415.3
90°	0.0	112.4	268.7	366.5	381.1
92.5°	0.0	97.7	244.3	337.1	351.8
95°	0.0	83.1	224.8	307.8	322.5
97.5°	0.0	78.2	200.3	283.4	298.0
100°	0.0	68.4	180.8	259.0	278.5
102.5°	0.0	63.5	166.1	234.5	254.1
105°	0.0	58.6	151.5	215.0	234.5
107.5°	0.0	53.7	141.7	200.3	215.0
110°	0.0	53.7	127.0	185.7	200.3
112.5°	4.9	48.9	117.3	166.1	180.8
115°	4.9	48.9	107.5	156.4	166.1
117.5°	4.9	48.9	102.6	141.7	151.5
120°	4.9	44.0	97.7	131.9	141.7
122.5°	4.9	44.0	92.8	122.2	127.0
125°	4.9	39.1	87.9	112.4	122.2
127.5°	4.9	39.1	83.1	107.5	112.4
130°	4.9	39.1	78.2	97.7	107.5
132.5°	4.9	34.2	73.3	92.8	97.7
135°	4.9	34.2	68.4	87.9	92.8
137.5°	4.9	29.3	63.5	83.1	87.9
140°	4.9	29.3	58.6	78.2	83.1
142.5°	4.9	24.4	53.7	73.3	78.2
145°	4.9	24.4	48.9	68.4	73.3
147.5°	4.9	24.4	44.0	63.5	68.4
150°	4.9	19.5	39.1	58.6	63.5
152.5°	4.9	19.5	34.2	53.7	58.6
155°	4.9	19.5	34.2	48.9	53.7
157.5°	4.9	14.7	29.3	39.1	48.9
160°	4.9	14.7	24.4	34.2	44.0
162.5°	4.9	14.7	24.4	29.3	34.2
165°	4.9	9.8	19.5	24.4	29.3
167.5°	4.9	9.8	14.7	19.5	24.4
170°	4.9	9.8	14.7	14.7	19.5
172.5°	4.9	9.8	9.8	9.8	9.8
175°	9.8	9.8	9.8	9.8	4.9
177.5°	9.8	9.8	9.8	4.9	4.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.9	4.9	4.9	4.9	4.9

(END OF REPORT)