

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: P567176

Luminaire Tested: **8SNX-102SL-LN-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567176
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-L940-CD
Description: 8FT 10200 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

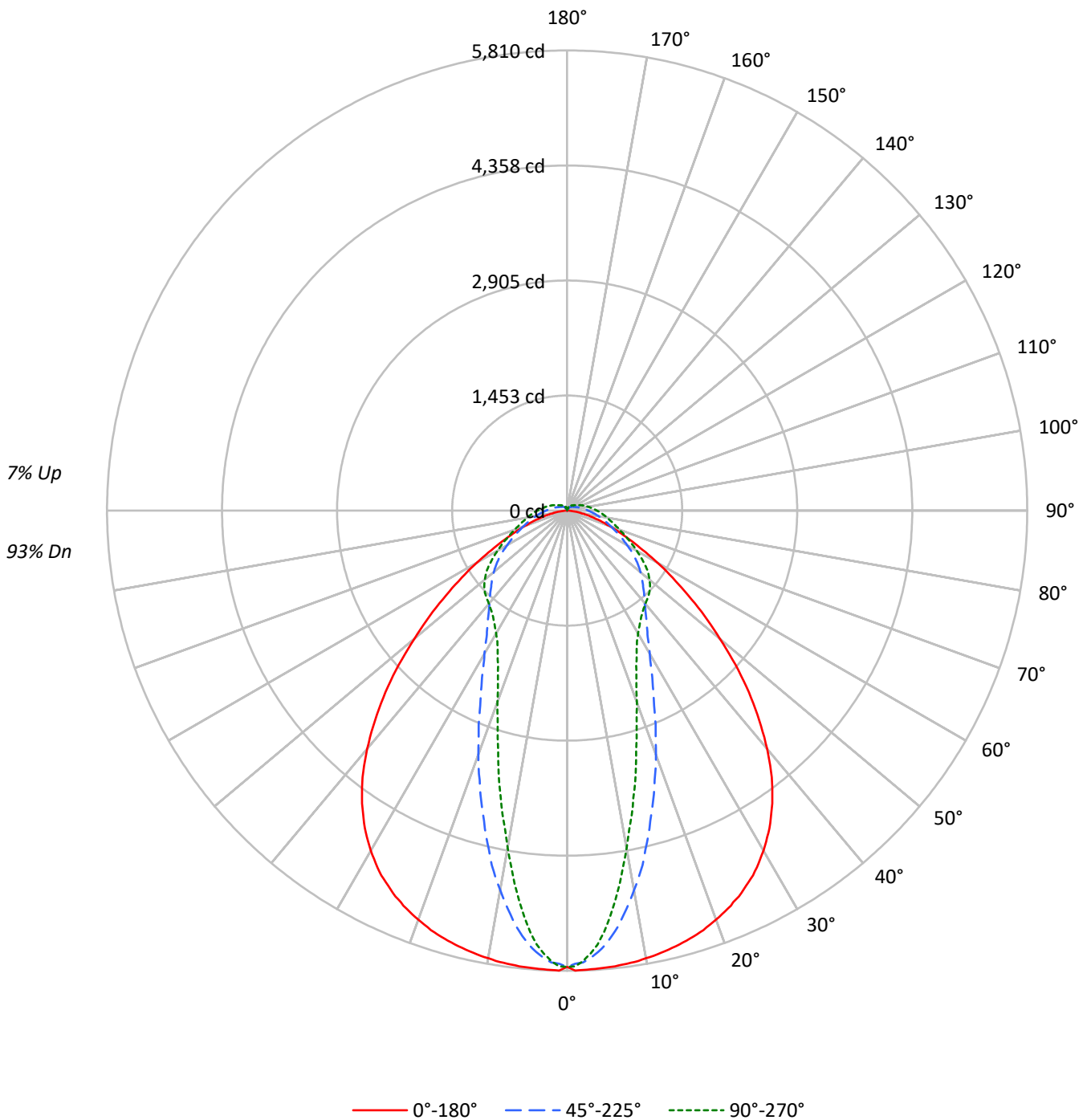
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9184.0 lumens
Efficiency: N/A
Efficacy: 131.2 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

TEST NUMBER: P567176
CATALOG NUMBER: 8SNX-102SL-LN-UNV-L940-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567176

CATALOG NUMBER: 8SNX-102SL-LN-UNV-L940-CD

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°	31008	31008	31008
5°	31225	28534	27273
10°	31239	24494	21160
15°	31283	20002	15859
20°	31245	15951	11869
25°	31025	12512	9419
30°	30443	10136	8035
35°	29236	8588	7309
40°	27120	7590	6917
45°	24188	6951	6704
50°	20566	6405	6333
55°	16973	5811	5784
60°	13651	5119	5073
65°	10679	4502	4415
70°	8381	3988	3905
75°	6593	3592	3558
80°	4804	3296	3307
85°	2883	3083	3172



TEST NUMBER: P567176

CATALOG NUMBER: 8SNX-102SL-LN-UNV-L940-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	510.2	5.6
10°-20°	1195.9	13.0
20°-30°	1419.6	15.5
30°-40°	1428.3	15.6
40°-50°	1327.6	14.5
50°-60°	1093.2	11.9
60°-70°	770.3	8.4
70°-80°	503.3	5.5
80°-90°	321.3	3.5
90°-100°	210.7	2.3
100°-110°	143.1	1.6
110°-120°	98.0	1.1
120°-130°	67.8	0.7
130°-140°	45.6	0.5
140°-150°	28.1	0.3
150°-160°	14.6	0.2
160°-170°	5.3	0.1
170°-180°	0.9	0.0
0°-30°	3125.7	34.0
0°-40°	4554.0	49.6
0°-60°	6974.9	75.9
0°-90°	8569.8	93.3
90°-120°	451.8	4.9
90°-150°	593.4	6.5
90°-180°	614.0	6.7
0°-180°	9184.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5761	5761	5761	5761	5761	
5°	5790	5713	5506	5400	5343	551
15°	5646	5044	4058	3547	3355	1594
25°	5275	3899	2585	2171	2079	2428
35°	4515	2638	1752	1641	1632	2808
45°	3244	1738	1357	1430	1468	2490
55°	1863	1141	1049	1165	1203	1682
65°	876	688	722	813	842	889
75°	342	356	486	573	597	370
85°	58	164	327	424	443	73
90°	0	111	265	361	375	3
95°	0	82	221	303	318	0
105°	0	58	149	212	231	0
115°	5	48	106	154	164	4
125°	5	38	87	111	120	4
135°	5	34	67	87	92	4
145°	5	24	48	67	72	3
155°	5	19	34	48	53	2
165°	5	10	19	24	29	1
175°	10	10	10	10	5	1
180°	5	5	5	5	5	



TEST NUMBER: P567176

CATALOG NUMBER: 8SNX-102SL-LN-UNV-L940-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5761.4	5761.4	5761.4	5761.4	5761.4
1°	5809.5	5785.5	5722.9	5766.2	5756.6
2°	5804.7	5780.7	5708.5	5727.7	5694.0
3°	5799.9	5766.2	5655.5	5650.7	5602.6
4°	5795.1	5742.1	5588.1	5530.4	5491.9
5°	5790.3	5713.3	5506.3	5400.4	5342.7
6°	5785.5	5679.6	5400.4	5241.6	5159.7
7°	5775.8	5626.6	5289.7	5073.1	4967.2
8°	5766.2	5578.5	5150.1	4890.2	4760.3
9°	5756.6	5515.9	5010.5	4692.9	4538.8
10°	5737.3	5453.4	4866.1	4490.7	4327.1
11°	5727.7	5381.2	4726.6	4298.2	4105.7
12°	5708.5	5304.1	4577.4	4096.0	3927.6
13°	5689.2	5222.3	4394.4	3922.8	3720.6
14°	5669.9	5135.7	4235.6	3730.2	3542.5
15°	5645.9	5044.2	4057.5	3547.3	3354.8
16°	5621.8	4938.3	3898.7	3359.6	3157.5
17°	5597.7	4837.3	3749.5	3186.3	3003.4
18°	5568.9	4736.2	3576.2	3017.9	2839.8
19°	5530.4	4620.7	3436.6	2863.9	2700.2
20°	5496.7	4514.8	3277.8	2719.5	2575.1
21°	5458.2	4384.8	3119.0	2584.7	2440.3
22.5°	5400.4	4201.9	2916.8	2416.2	2281.5
23°	5371.5	4149.0	2835.0	2353.7	2238.1
24°	5333.0	4009.4	2700.2	2257.4	2141.9
25°	5275.3	3898.7	2584.7	2170.8	2079.3
26°	5222.3	3763.9	2469.2	2093.7	2002.3
27°	5169.4	3634.0	2368.1	2011.9	1934.9
28°	5102.0	3499.2	2257.4	1944.5	1877.1
29°	5029.8	3374.1	2165.9	1886.8	1833.8
30°	4957.6	3234.5	2088.9	1833.8	1790.5
32.5°	4755.4	2926.4	1891.6	1732.8	1703.9
35°	4514.8	2637.6	1752.0	1641.3	1631.7
37.5°	4245.2	2372.9	1626.9	1569.1	1578.7
40°	3927.6	2132.2	1521.0	1516.2	1535.4
42.5°	3590.6	1925.3	1439.1	1472.8	1501.7
45°	3244.1	1737.6	1357.3	1429.5	1468.0
47.5°	2883.1	1573.9	1285.1	1376.6	1419.9
50°	2517.3	1415.1	1208.1	1314.0	1357.3
52.5°	2190.0	1275.5	1131.1	1241.8	1289.9
55°	1862.7	1140.7	1049.3	1164.8	1203.3
57.5°	1578.7	1015.6	962.6	1078.2	1107.0
60°	1314.0	895.3	876.0	981.9	1015.6
62.5°	1073.3	789.4	794.2	895.3	928.9
65°	876.0	688.3	722.0	813.4	842.3



TEST NUMBER: P567176

CATALOG NUMBER: 8SNX-102SL-LN-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	712.4	592.0	649.8	746.0	770.1
70°	563.1	505.4	592.0	678.7	702.7
72.5°	447.6	428.4	534.3	625.7	645.0
75°	341.7	356.2	486.1	572.8	596.8
77.5°	245.5	298.4	438.0	529.5	548.7
80°	173.3	245.5	399.5	490.9	510.2
82.5°	110.7	202.2	361.0	457.3	476.5
85°	57.8	163.6	327.3	423.6	442.8
87.5°	24.1	134.8	293.6	389.9	409.1
90°	0.0	110.7	264.7	361.0	375.4
92.5°	0.0	96.3	240.7	332.1	346.6
95°	0.0	81.8	221.4	303.2	317.7
97.5°	0.0	77.0	197.3	279.2	293.6
100°	0.0	67.4	178.1	255.1	274.4
102.5°	0.0	62.6	163.6	231.0	250.3
105°	0.0	57.8	149.2	211.8	231.0
107.5°	0.0	52.9	139.6	197.3	211.8
110°	0.0	52.9	125.1	182.9	197.3
112.5°	4.8	48.1	115.5	163.6	178.1
115°	4.8	48.1	105.9	154.0	163.6
117.5°	4.8	48.1	101.1	139.6	149.2
120°	4.8	43.3	96.3	130.0	139.6
122.5°	4.8	43.3	91.5	120.3	125.1
125°	4.8	38.5	86.6	110.7	120.3
127.5°	4.8	38.5	81.8	105.9	110.7
130°	4.8	38.5	77.0	96.3	105.9
132.5°	4.8	33.7	72.2	91.5	96.3
135°	4.8	33.7	67.4	86.6	91.5
137.5°	4.8	28.9	62.6	81.8	86.6
140°	4.8	28.9	57.8	77.0	81.8
142.5°	4.8	24.1	52.9	72.2	77.0
145°	4.8	24.1	48.1	67.4	72.2
147.5°	4.8	24.1	43.3	62.6	67.4
150°	4.8	19.3	38.5	57.8	62.6
152.5°	4.8	19.3	33.7	52.9	57.8
155°	4.8	19.3	33.7	48.1	52.9
157.5°	4.8	14.4	28.9	38.5	48.1
160°	4.8	14.4	24.1	33.7	43.3
162.5°	4.8	14.4	24.1	28.9	33.7
165°	4.8	9.6	19.3	24.1	28.9
167.5°	4.8	9.6	14.4	19.3	24.1
170°	4.8	9.6	14.4	14.4	19.3
172.5°	4.8	9.6	9.6	9.6	9.6
175°	9.6	9.6	9.6	9.6	4.8
177.5°	9.6	9.6	9.6	4.8	4.8



TEST NUMBER: P567176

CATALOG NUMBER: 8SNX-102SL-LN-UNV-L940-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	4.8	4.8	4.8	4.8	4.8

(END OF REPORT)