

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: P567846

Luminaire Tested: **8SNX-52SL-LN-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567846
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-52SL-LN-UNV-L930-CD
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LN LENS
Light Source: -
Ballast/Driver: -

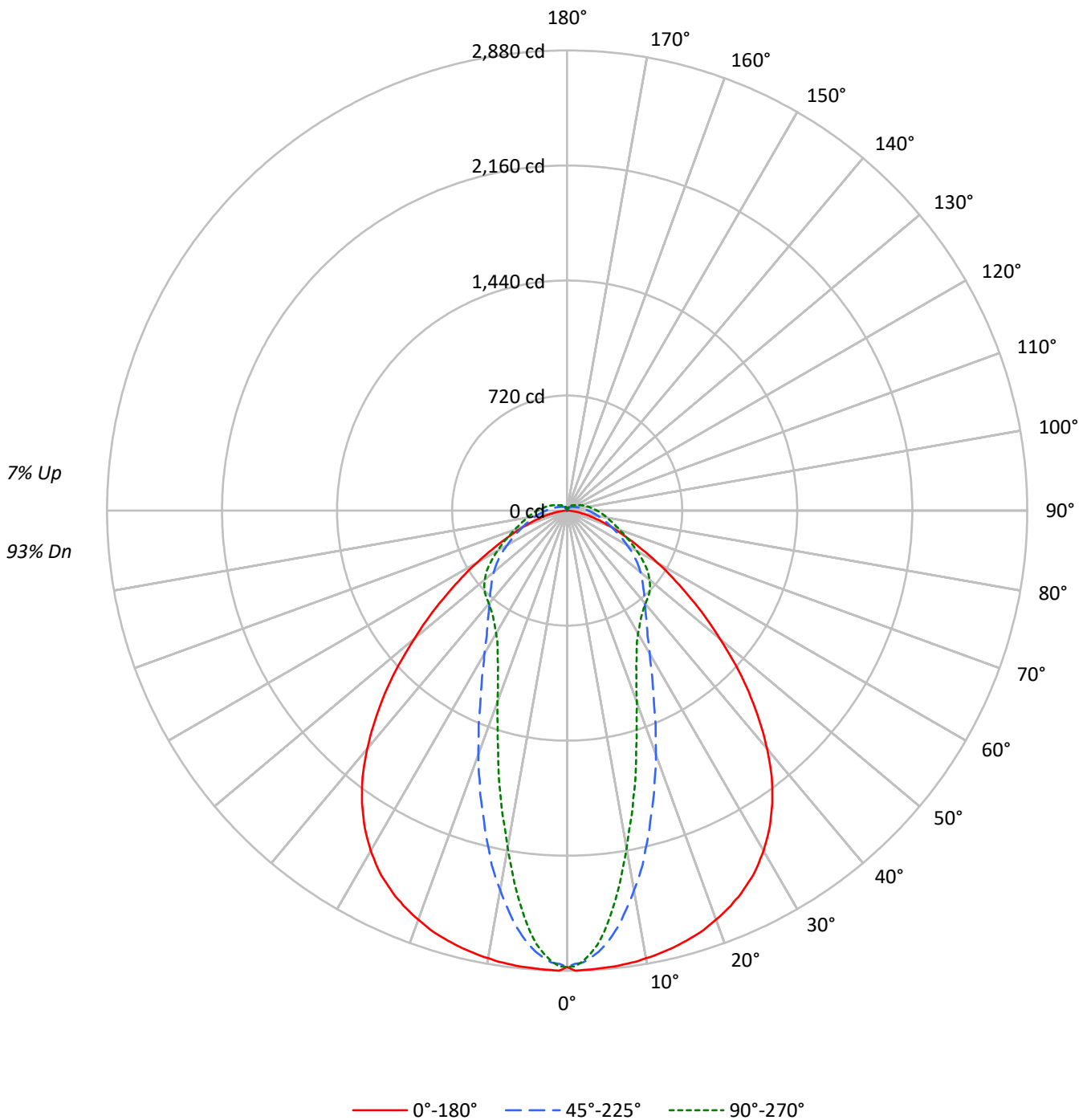
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4553.0 lumens
Efficiency: N/A
Efficacy: 138.8 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): 32.8
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

TEST NUMBER: P567846
CATALOG NUMBER: 8SNX-52SL-LN-UNV-L930-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567846

CATALOG NUMBER: 8SNX-52SL-LN-UNV-L930-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°	15372	15372	15372
5°	15480	14146	13520
10°	15487	12143	10490
15°	15509	9916	7863
20°	15490	7908	5884
25°	15381	6203	4670
30°	15092	5025	3983
35°	14494	4258	3623
40°	13445	3763	3429
45°	11991	3446	3324
50°	10196	3175	3140
55°	8414	2881	2867
60°	6767	2538	2515
65°	5294	2231	2189
70°	4156	1977	1936
75°	3268	1781	1764
80°	2381	1634	1639
85°	1426	1529	1572



TEST NUMBER: P567846

CATALOG NUMBER: 8SNX-52SL-LN-UNV-L930-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	252.9	5.6
10°-20°	592.9	13.0
20°-30°	703.8	15.5
30°-40°	708.1	15.6
40°-50°	658.2	14.5
50°-60°	542.0	11.9
60°-70°	381.9	8.4
70°-80°	249.5	5.5
80°-90°	159.3	3.5
90°-100°	104.5	2.3
100°-110°	70.9	1.6
110°-120°	48.6	1.1
120°-130°	33.6	0.7
130°-140°	22.6	0.5
140°-150°	13.9	0.3
150°-160°	7.2	0.2
160°-170°	2.6	0.1
170°-180°	0.5	0.0
0°-30°	1549.6	34.0
0°-40°	2257.7	49.6
0°-60°	3457.8	75.9
0°-90°	4248.5	93.3
90°-120°	224.0	4.9
90°-150°	294.2	6.5
90°-180°	305.0	6.7
0°-180°	4553.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2856	2856	2856	2856	2856	
5°	2871	2832	2730	2677	2649	273
15°	2799	2501	2012	1759	1663	790
25°	2615	1933	1281	1076	1031	1203
35°	2238	1308	869	814	809	1392
45°	1608	861	673	709	728	1235
55°	923	566	520	578	596	834
65°	434	341	358	403	418	441
75°	169	177	241	284	296	183
85°	29	81	162	210	220	36
90°	0	55	131	179	186	2
95°	0	41	110	150	158	0
105°	0	29	74	105	114	0
115°	2	24	52	76	81	2
125°	2	19	43	55	60	2
135°	2	17	33	43	45	2
145°	2	12	24	33	36	2
155°	2	10	17	24	26	1
165°	2	5	10	12	14	1
175°	5	5	5	5	2	0
180°	2	2	2	2	2	



TEST NUMBER: P567846

CATALOG NUMBER: 8SNX-52SL-LN-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2856.2	2856.2	2856.2	2856.2	2856.2
1°	2880.1	2868.2	2837.1	2858.6	2853.8
2°	2877.7	2865.8	2830.0	2839.5	2822.8
3°	2875.3	2858.6	2803.7	2801.4	2777.5
4°	2872.9	2846.7	2770.3	2741.7	2722.6
5°	2870.6	2832.4	2729.8	2677.3	2648.6
6°	2868.2	2815.7	2677.3	2598.5	2558.0
7°	2863.4	2789.4	2622.4	2515.0	2462.5
8°	2858.6	2765.6	2553.2	2424.3	2359.9
9°	2853.8	2734.5	2484.0	2326.5	2250.1
10°	2844.3	2703.5	2412.4	2226.3	2145.2
11°	2839.5	2667.7	2343.2	2130.8	2035.4
12°	2830.0	2629.5	2269.2	2030.6	1947.1
13°	2820.4	2589.0	2178.6	1944.7	1844.5
14°	2810.9	2546.0	2099.8	1849.3	1756.2
15°	2799.0	2500.7	2011.5	1758.6	1663.2
16°	2787.0	2448.2	1932.8	1665.5	1565.3
17°	2775.1	2398.1	1858.8	1579.6	1489.0
18°	2760.8	2348.0	1772.9	1496.1	1407.8
19°	2741.7	2290.7	1703.7	1419.8	1338.6
20°	2725.0	2238.2	1625.0	1348.2	1276.6
21°	2705.9	2173.8	1546.2	1281.4	1209.8
22.5°	2677.3	2083.1	1446.0	1197.9	1131.0
23°	2663.0	2056.9	1405.4	1166.8	1109.6
24°	2643.9	1987.7	1338.6	1119.1	1061.8
25°	2615.2	1932.8	1281.4	1076.2	1030.8
26°	2589.0	1866.0	1224.1	1038.0	992.6
27°	2562.7	1801.6	1174.0	997.4	959.2
28°	2529.3	1734.7	1119.1	964.0	930.6
29°	2493.5	1672.7	1073.8	935.4	909.1
30°	2457.7	1603.5	1035.6	909.1	887.7
32.5°	2357.5	1450.8	937.8	859.0	844.7
35°	2238.2	1307.6	868.6	813.7	808.9
37.5°	2104.6	1176.4	806.5	777.9	782.7
40°	1947.1	1057.1	754.0	751.6	761.2
42.5°	1780.1	954.5	713.5	730.2	744.5
45°	1608.3	861.4	672.9	708.7	727.8
47.5°	1429.3	780.3	637.1	682.4	703.9
50°	1248.0	701.5	598.9	651.4	672.9
52.5°	1085.7	632.3	560.7	615.6	639.5
55°	923.4	565.5	520.2	577.5	596.5
57.5°	782.7	503.5	477.2	534.5	548.8
60°	651.4	443.8	434.3	486.8	503.5
62.5°	532.1	391.3	393.7	443.8	460.5
65°	434.3	341.2	357.9	403.3	417.6



TEST NUMBER: P567846

CATALOG NUMBER: 8SNX-52SL-LN-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	353.2	293.5	322.1	369.9	381.8
70°	279.2	250.5	293.5	336.4	348.4
72.5°	221.9	212.4	264.9	310.2	319.7
75°	169.4	176.6	241.0	284.0	295.9
77.5°	121.7	147.9	217.1	262.5	272.0
80°	85.9	121.7	198.1	243.4	252.9
82.5°	54.9	100.2	179.0	226.7	236.2
85°	28.6	81.1	162.3	210.0	219.5
87.5°	11.9	66.8	145.6	193.3	202.8
90°	0.0	54.9	131.2	179.0	186.1
92.5°	0.0	47.7	119.3	164.6	171.8
95°	0.0	40.6	109.8	150.3	157.5
97.5°	0.0	38.2	97.8	138.4	145.6
100°	0.0	33.4	88.3	126.5	136.0
102.5°	0.0	31.0	81.1	114.5	124.1
105°	0.0	28.6	74.0	105.0	114.5
107.5°	0.0	26.2	69.2	97.8	105.0
110°	0.0	26.2	62.0	90.7	97.8
112.5°	2.4	23.9	57.3	81.1	88.3
115°	2.4	23.9	52.5	76.4	81.1
117.5°	2.4	23.9	50.1	69.2	74.0
120°	2.4	21.5	47.7	64.4	69.2
122.5°	2.4	21.5	45.3	59.7	62.0
125°	2.4	19.1	43.0	54.9	59.7
127.5°	2.4	19.1	40.6	52.5	54.9
130°	2.4	19.1	38.2	47.7	52.5
132.5°	2.4	16.7	35.8	45.3	47.7
135°	2.4	16.7	33.4	43.0	45.3
137.5°	2.4	14.3	31.0	40.6	43.0
140°	2.4	14.3	28.6	38.2	40.6
142.5°	2.4	11.9	26.2	35.8	38.2
145°	2.4	11.9	23.9	33.4	35.8
147.5°	2.4	11.9	21.5	31.0	33.4
150°	2.4	9.5	19.1	28.6	31.0
152.5°	2.4	9.5	16.7	26.2	28.6
155°	2.4	9.5	16.7	23.9	26.2
157.5°	2.4	7.2	14.3	19.1	23.9
160°	2.4	7.2	11.9	16.7	21.5
162.5°	2.4	7.2	11.9	14.3	16.7
165°	2.4	4.8	9.5	11.9	14.3
167.5°	2.4	4.8	7.2	9.5	11.9
170°	2.4	4.8	7.2	7.2	9.5
172.5°	2.4	4.8	4.8	4.8	4.8
175°	4.8	4.8	4.8	4.8	2.4
177.5°	4.8	4.8	4.8	2.4	2.4



TEST NUMBER: P567846

CATALOG NUMBER: 8SNX-52SL-LN-UNV-L930-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)