

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: P567862

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567862  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8SNX-52SL-SLW-UNV-L930-CD  
Description: 8FT 5200 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

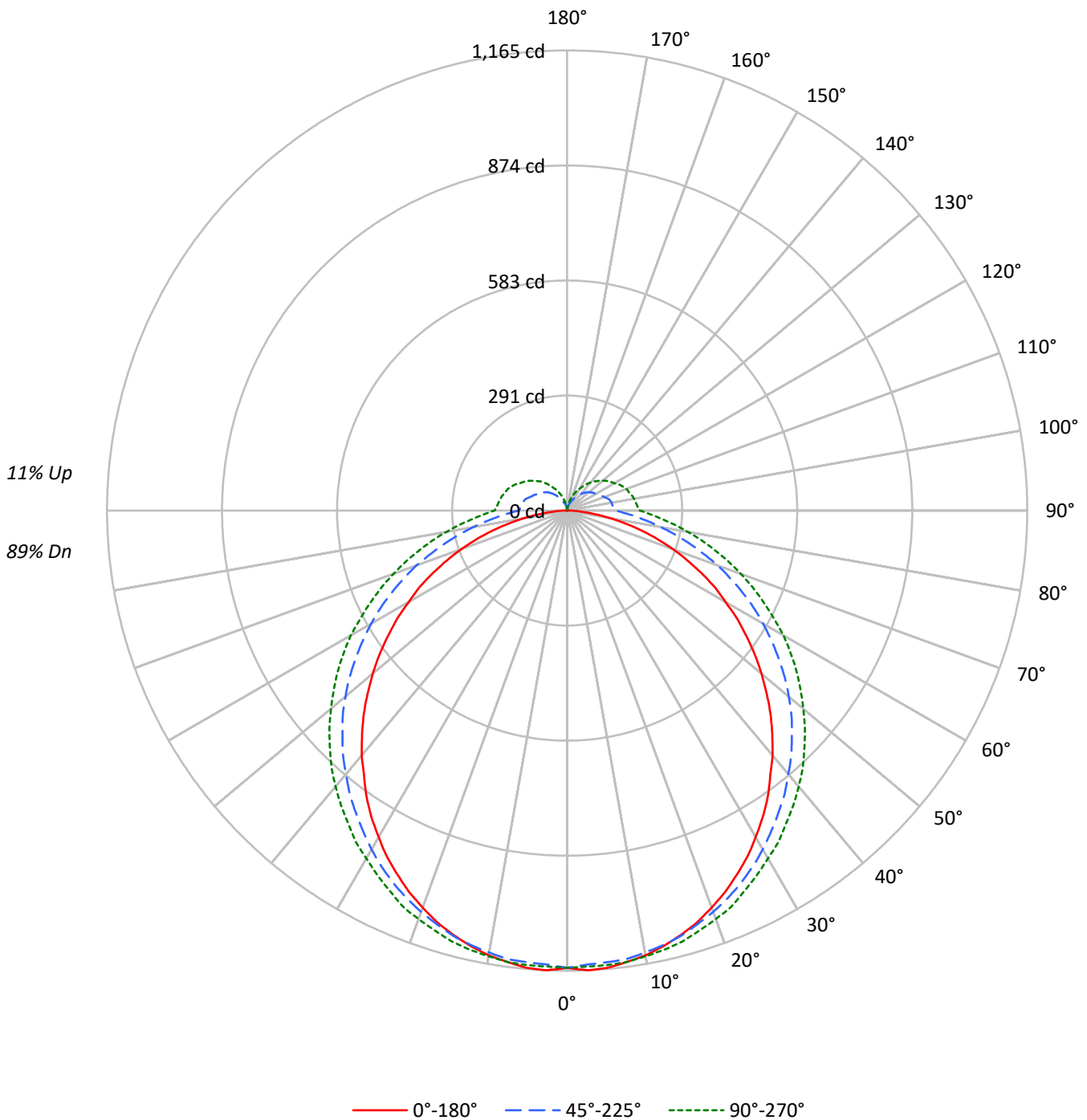
Lumens per Lamp: N/A  
Luminaire Lumens: 4121.0 lumens  
Efficiency: N/A  
Efficacy: 125.6 lumens/watt  
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 32.8  
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: P567862

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

### Luminous Intensity Polar Plot





TEST NUMBER: P567862

CATALOG NUMBER: 8SNX-52SL-SLW-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	0
RCR																				
0	116	116	116	116	112	112	112	112	105	105	105		98	98	98		92	92	92	89
1	105	100	95	90	101	96	92	88	90	86	83		84	81	79		79	76	74	71
2	95	86	79	73	91	83	76	71	78	72	68		73	68	64		68	65	61	58
3	86	75	67	60	83	73	65	59	68	61	56		64	58	54		60	55	51	49
4	79	66	57	50	75	64	56	49	60	53	47		57	50	46		53	48	44	41
5	72	59	50	43	69	57	49	42	54	46	41		51	44	39		48	42	38	35
6	67	53	44	37	64	51	43	37	48	41	35		46	39	34		43	38	33	31
7	62	48	39	33	59	47	38	32	44	37	31		42	35	30		39	34	29	27
8	57	44	35	29	55	42	34	29	40	33	28		38	32	27		36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25		35	29	24		33	28	24	22
10	50	37	29	24	48	36	28	23	34	27	23		32	26	22		31	25	21	20

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	6230	6230	6230
5°	6274	6074	6065
10°	6237	5955	5915
15°	6180	5832	5777
20°	6101	5691	5622
25°	6009	5553	5462
30°	5898	5401	5303
35°	5776	5243	5153
40°	5635	5087	5010
45°	5484	4929	4855
50°	5310	4761	4682
55°	5120	4560	4512
60°	4896	4344	4323
65°	4668	4102	4084
70°	4345	3835	3850
75°	3918	3494	3591
80°	3214	3149	3336
85°	2374	2855	3074



TEST NUMBER: P567862

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

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	110.0	2.7
10°-20°	316.0	7.7
20°-30°	480.5	11.7
30°-40°	583.3	14.2
40°-50°	616.4	15.0
50°-60°	576.8	14.0
60°-70°	473.3	11.5
70°-80°	325.5	7.9
80°-90°	178.3	4.3
90°-100°	114.8	2.8
100°-110°	103.0	2.5
110°-120°	85.3	2.1
120°-130°	65.7	1.6
130°-140°	46.1	1.1
140°-150°	27.8	0.7
150°-160°	13.3	0.3
160°-170°	4.4	0.1
170°-180°	0.5	0.0
0°-30°	906.5	22.0
0°-40°	1489.9	36.2
0°-60°	2683.1	65.1
0°-90°	3660.2	88.8
90°-120°	303.1	7.4
90°-150°	442.7	10.7
90°-180°	461.0	11.2
0°-180°	4121.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1158	1158	1158	1158	1158	
5°	1162	1160	1148	1158	1155	110
15°	1112	1117	1115	1129	1129	314
25°	1017	1029	1041	1062	1062	469
35°	886	907	933	960	967	553
45°	728	761	804	840	850	561
55°	554	599	654	695	709	496
65°	375	425	489	535	549	371
75°	196	248	320	370	387	206
85°	43	103	174	222	239	50
90°	0	57	122	167	184	3
95°	0	55	117	160	177	0
105°	0	45	110	150	165	2
115°	2	41	93	134	150	2
125°	2	33	79	115	129	2
135°	2	26	64	93	105	2
145°	2	19	45	72	79	2
155°	2	12	29	45	52	1
165°	2	7	14	22	26	1
175°	2	2	5	5	2	0
180°	2	2	2	2	2	



TEST NUMBER: P567862

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

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1157.6	1157.6	1157.6	1157.6	1157.6
2.5°	1164.8	1162.4	1150.4	1160.0	1155.2
5°	1162.4	1160.0	1148.1	1157.6	1155.2
7.5°	1152.8	1152.8	1145.7	1155.2	1152.8
10°	1143.3	1143.3	1136.1	1148.1	1145.7
12.5°	1129.0	1131.3	1126.6	1140.9	1138.5
15°	1112.2	1117.0	1114.6	1129.0	1129.0
17.5°	1093.2	1097.9	1097.9	1114.6	1114.6
20°	1069.3	1076.4	1081.2	1100.3	1100.3
22.5°	1045.4	1055.0	1062.1	1078.8	1086.0
25°	1016.8	1028.7	1040.6	1062.1	1062.1
27.5°	988.1	1002.5	1016.8	1038.3	1040.6
30°	954.7	971.4	990.5	1012.0	1016.8
32.5°	921.3	942.8	961.9	988.1	995.3
35°	885.5	907.0	933.2	959.5	966.7
37.5°	844.9	871.2	904.6	933.2	940.4
40°	809.1	837.8	871.2	904.6	911.8
42.5°	768.5	799.6	840.2	871.2	883.1
45°	728.0	761.4	804.4	840.2	849.7
47.5°	685.0	723.2	770.9	804.4	816.3
50°	642.0	682.6	732.7	770.9	780.5
52.5°	599.1	642.0	694.6	732.7	744.7
55°	553.7	599.1	654.0	694.6	708.9
57.5°	510.8	556.1	613.4	656.4	670.7
60°	463.0	515.5	572.8	615.8	632.5
62.5°	422.5	470.2	532.3	575.2	589.5
65°	374.7	424.9	489.3	534.6	549.0
67.5°	329.4	381.9	446.3	494.1	508.4
70°	284.0	336.5	405.8	451.1	467.8
72.5°	238.7	293.6	360.4	410.5	427.2
75°	195.7	248.2	319.8	370.0	386.7
77.5°	150.4	207.7	279.3	329.4	348.5
80°	109.8	169.5	241.1	291.2	310.3
82.5°	74.0	133.7	205.3	255.4	274.5
85°	43.0	102.6	174.2	222.0	238.7
87.5°	21.5	78.8	145.6	193.3	210.0
90°	0.0	57.3	121.7	167.1	183.8
92.5°	0.0	54.9	119.3	162.3	179.0
95°	0.0	54.9	117.0	159.9	176.6
97.5°	0.0	52.5	114.6	159.9	174.2
100°	0.0	50.1	114.6	157.5	171.8
102.5°	0.0	47.7	112.2	155.1	169.5
105°	0.0	45.3	109.8	150.4	164.7
107.5°	2.4	45.3	105.0	148.0	162.3
110°	2.4	43.0	100.2	145.6	159.9



TEST NUMBER: P567862

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

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	2.4	40.6	95.5	140.8	155.1
115°	2.4	40.6	93.1	133.7	150.4
117.5°	2.4	38.2	88.3	128.9	145.6
120°	2.4	38.2	85.9	124.1	138.4
122.5°	2.4	35.8	81.2	119.3	133.7
125°	2.4	33.4	78.8	114.6	128.9
127.5°	2.4	31.0	76.4	109.8	124.1
130°	2.4	28.6	71.6	105.0	117.0
132.5°	2.4	28.6	69.2	97.9	112.2
135°	2.4	26.3	64.4	93.1	105.0
137.5°	2.4	23.9	59.7	88.3	100.2
140°	2.4	21.5	54.9	83.5	93.1
142.5°	2.4	21.5	50.1	76.4	85.9
145°	2.4	19.1	45.3	71.6	78.8
147.5°	2.4	16.7	40.6	64.4	71.6
150°	2.4	16.7	35.8	57.3	64.4
152.5°	2.4	14.3	31.0	52.5	59.7
155°	2.4	11.9	28.6	45.3	52.5
157.5°	2.4	11.9	23.9	38.2	45.3
160°	2.4	9.5	21.5	31.0	38.2
162.5°	2.4	9.5	19.1	26.3	33.4
165°	2.4	7.2	14.3	21.5	26.3
167.5°	2.4	7.2	11.9	16.7	21.5
170°	2.4	4.8	9.5	11.9	16.7
172.5°	2.4	4.8	7.2	7.2	7.2
175°	2.4	2.4	4.8	4.8	2.4
177.5°	2.4	2.4	2.4	2.4	2.4
180°	2.4	2.4	2.4	2.4	2.4

(END OF REPORT)