

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: P567766

Luminaire Tested: **8SNX-40SL-SLW-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P567766  
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-40SL-SLW-UNV-L930-CD  
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

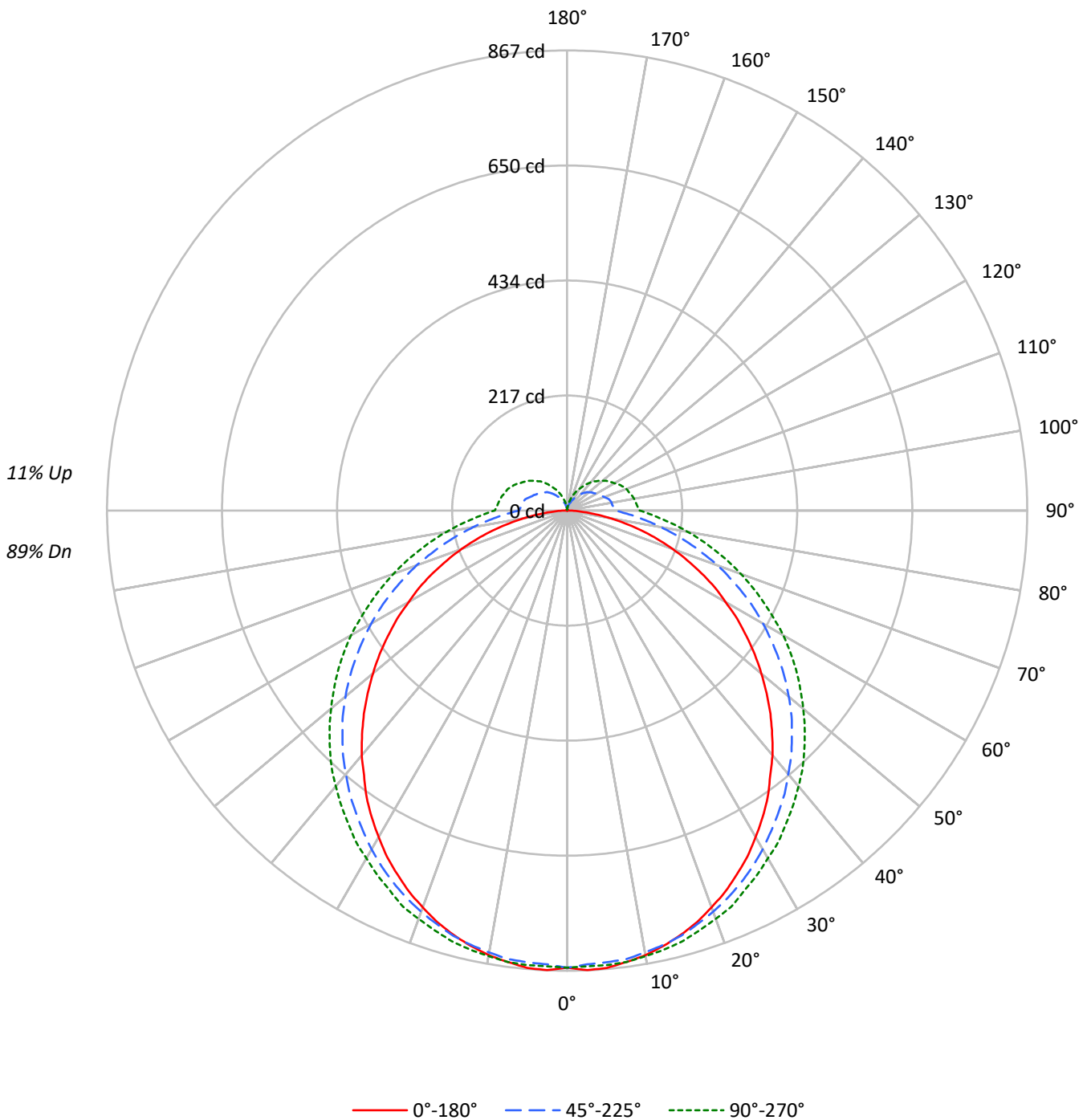
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3066.0 lumens  
Efficiency: N/A  
Efficacy: 126.7 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): 24.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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: P567766

CATALOG NUMBER: 8SNX-40SL-SLW-UNV-L930-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P567766

CATALOG NUMBER: 8SNX-40SL-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	77	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°	4635	4635	4635
5°	4668	4519	4512
10°	4640	4430	4401
15°	4598	4339	4297
20°	4539	4234	4183
25°	4471	4131	4063
30°	4388	4018	3945
35°	4297	3900	3834
40°	4193	3785	3727
45°	4080	3667	3612
50°	3951	3543	3484
55°	3809	3393	3357
60°	3643	3232	3216
65°	3473	3051	3038
70°	3233	2853	2865
75°	2915	2600	2672
80°	2391	2343	2481
85°	1767	2124	2287



TEST NUMBER: P567766

CATALOG NUMBER: 8SNX-40SL-SLW-UNV-L930-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.8	2.7
10°-20°	235.1	7.7
20°-30°	357.5	11.7
30°-40°	434.0	14.2
40°-50°	458.6	15.0
50°-60°	429.1	14.0
60°-70°	352.1	11.5
70°-80°	242.2	7.9
80°-90°	132.6	4.3
90°-100°	85.4	2.8
100°-110°	76.6	2.5
110°-120°	63.4	2.1
120°-130°	48.8	1.6
130°-140°	34.3	1.1
140°-150°	20.7	0.7
150°-160°	9.9	0.3
160°-170°	3.3	0.1
170°-180°	0.4	0.0
0°-30°	674.5	22.0
0°-40°	1108.4	36.2
0°-60°	1996.2	65.1
0°-90°	2723.1	88.8
90°-120°	225.5	7.4
90°-150°	329.3	10.7
90°-180°	343.0	11.2
0°-180°	3066.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	861	861	861	861	861	
5°	865	863	854	861	860	82
15°	828	831	829	840	840	233
25°	756	765	774	790	790	349
35°	659	675	694	714	719	412
45°	542	566	598	625	632	417
55°	412	446	487	517	527	369
65°	279	316	364	398	408	276
75°	146	185	238	275	288	153
85°	32	76	130	165	178	37
90°	0	43	91	124	137	2
95°	0	41	87	119	131	0
105°	0	34	82	112	122	1
115°	2	30	69	99	112	2
125°	2	25	59	85	96	2
135°	2	20	48	69	78	1
145°	2	14	34	53	59	1
155°	2	9	21	34	39	1
165°	2	5	11	16	20	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



TEST NUMBER: P567766

CATALOG NUMBER: 8SNX-40SL-SLW-UNV-L930-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	861.2	861.2	861.2	861.2	861.2
2.5°	866.6	864.8	855.9	863.0	859.5
5°	864.8	863.0	854.1	861.2	859.5
7.5°	857.7	857.7	852.4	859.5	857.7
10°	850.6	850.6	845.3	854.1	852.4
12.5°	839.9	841.7	838.2	848.8	847.0
15°	827.5	831.1	829.3	839.9	839.9
17.5°	813.3	816.9	816.9	829.3	829.3
20°	795.5	800.9	804.4	818.6	818.6
22.5°	777.8	784.9	790.2	802.6	808.0
25°	756.5	765.4	774.2	790.2	790.2
27.5°	735.2	745.8	756.5	772.5	774.2
30°	710.3	722.7	736.9	752.9	756.5
32.5°	685.4	701.4	715.6	735.2	740.5
35°	658.8	674.8	694.3	713.9	719.2
37.5°	628.6	648.2	673.0	694.3	699.7
40°	602.0	623.3	648.2	673.0	678.3
42.5°	571.8	594.9	625.1	648.2	657.0
45°	541.6	566.5	598.4	625.1	632.2
47.5°	509.6	538.1	573.6	598.4	607.3
50°	477.7	507.9	545.2	573.6	580.7
52.5°	445.7	477.7	516.7	545.2	554.0
55°	412.0	445.7	486.6	516.7	527.4
57.5°	380.0	413.8	456.4	488.3	499.0
60°	344.5	383.6	426.2	458.1	470.6
62.5°	314.3	349.8	396.0	428.0	438.6
65°	278.8	316.1	364.0	397.8	408.4
67.5°	245.1	284.1	332.1	367.6	378.2
70°	211.3	250.4	301.9	335.6	348.1
72.5°	177.6	218.4	268.1	305.4	317.9
75°	145.6	184.7	238.0	275.2	287.7
77.5°	111.9	154.5	207.8	245.1	259.3
80°	81.7	126.1	179.4	216.6	230.8
82.5°	55.0	99.4	152.7	190.0	204.2
85°	32.0	76.4	129.6	165.1	177.6
87.5°	16.0	58.6	108.3	143.8	156.3
90°	0.0	42.6	90.6	124.3	136.7
92.5°	0.0	40.8	88.8	120.8	133.2
95°	0.0	40.8	87.0	119.0	131.4
97.5°	0.0	39.1	85.2	119.0	129.6
100°	0.0	37.3	85.2	117.2	127.9
102.5°	0.0	35.5	83.5	115.4	126.1
105°	0.0	33.7	81.7	111.9	122.5
107.5°	1.8	33.7	78.1	110.1	120.8
110°	1.8	32.0	74.6	108.3	119.0



TEST NUMBER: P567766

CATALOG NUMBER: 8SNX-40SL-SLW-UNV-L930-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	30.2	71.0	104.8	115.4
115°	1.8	30.2	69.3	99.4	111.9
117.5°	1.8	28.4	65.7	95.9	108.3
120°	1.8	28.4	63.9	92.3	103.0
122.5°	1.8	26.6	60.4	88.8	99.4
125°	1.8	24.9	58.6	85.2	95.9
127.5°	1.8	23.1	56.8	81.7	92.3
130°	1.8	21.3	53.3	78.1	87.0
132.5°	1.8	21.3	51.5	72.8	83.5
135°	1.8	19.5	47.9	69.3	78.1
137.5°	1.8	17.8	44.4	65.7	74.6
140°	1.8	16.0	40.8	62.2	69.3
142.5°	1.8	16.0	37.3	56.8	63.9
145°	1.8	14.2	33.7	53.3	58.6
147.5°	1.8	12.4	30.2	47.9	53.3
150°	1.8	12.4	26.6	42.6	47.9
152.5°	1.8	10.7	23.1	39.1	44.4
155°	1.8	8.9	21.3	33.7	39.1
157.5°	1.8	8.9	17.8	28.4	33.7
160°	1.8	7.1	16.0	23.1	28.4
162.5°	1.8	7.1	14.2	19.5	24.9
165°	1.8	5.3	10.7	16.0	19.5
167.5°	1.8	5.3	8.9	12.4	16.0
170°	1.8	3.6	7.1	8.9	12.4
172.5°	1.8	3.6	5.3	5.3	5.3
175°	1.8	1.8	3.6	3.6	1.8
177.5°	1.8	1.8	1.8	1.8	1.8
180°	1.8	1.8	1.8	1.8	1.8

(END OF REPORT)