

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: P567767

Luminaire Tested: **8SNX-40SL-SLW-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567767
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-L935-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND SLW LENS
Light Source: -
Ballast/Driver: -

Summary

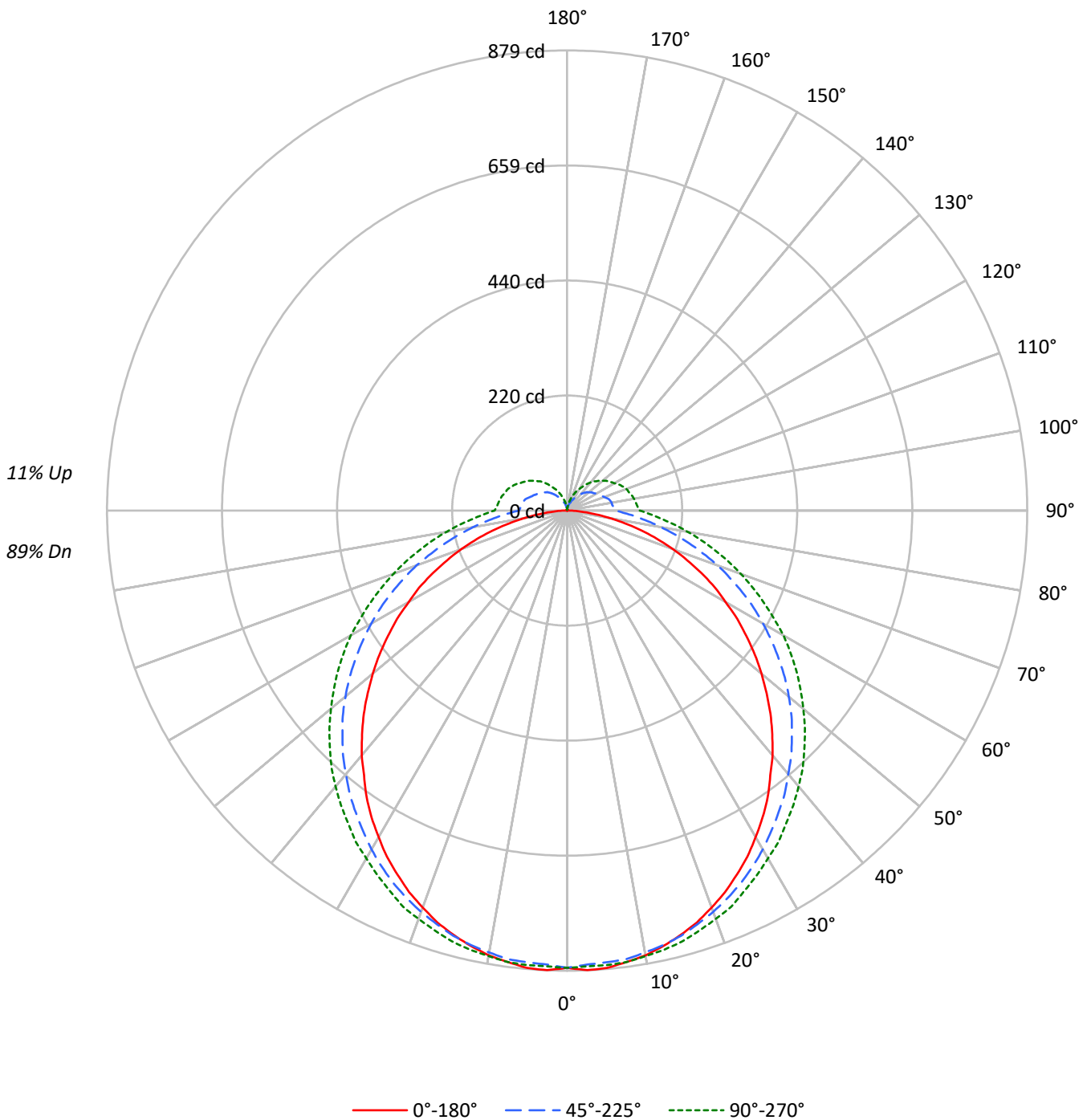
Lumens per Lamp: N/A
Luminaire Lumens: 3108.9 lumens
Efficiency: N/A
Efficacy: 128.5 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.31 / 1.41
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 8' x H: 0.08')
CIE Type: Semi-Direct

Input Watts (W): 24.2
Input Voltage (V): NR
Input Current (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: P567767

CATALOG NUMBER: 8SNX-40SL-SLW-UNV-L935-CD

Luminous Intensity Polar Plot





TEST NUMBER: P567767

CATALOG NUMBER: 8SNX-40SL-SLW-UNV-L935-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°	4700	4700	4700
5°	4733	4582	4575
10°	4705	4492	4462
15°	4662	4400	4358
20°	4603	4293	4242
25°	4533	4189	4120
30°	4450	4075	4000
35°	4357	3956	3888
40°	4251	3838	3780
45°	4137	3718	3663
50°	4006	3592	3532
55°	3863	3440	3404
60°	3693	3278	3261
65°	3522	3094	3081
70°	3279	2893	2904
75°	2957	2636	2709
80°	2424	2376	2517
85°	1789	2154	2319



TEST NUMBER: P567767

CATALOG NUMBER: 8SNX-40SL-SLW-UNV-L935-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.9	2.7
10°-20°	238.4	7.7
20°-30°	362.5	11.7
30°-40°	440.1	14.2
40°-50°	465.0	15.0
50°-60°	435.2	14.0
60°-70°	357.0	11.5
70°-80°	245.6	7.9
80°-90°	134.5	4.3
90°-100°	86.6	2.8
100°-110°	77.7	2.5
110°-120°	64.3	2.1
120°-130°	49.5	1.6
130°-140°	34.8	1.1
140°-150°	21.0	0.7
150°-160°	10.0	0.3
160°-170°	3.3	0.1
170°-180°	0.4	0.0
0°-30°	683.9	22.0
0°-40°	1124.0	36.2
0°-60°	2024.2	65.1
0°-90°	2761.3	88.8
90°-120°	228.6	7.4
90°-150°	333.8	10.7
90°-180°	348.0	11.2
0°-180°	3108.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	873	873	873	873	873	
5°	877	875	866	873	872	83
15°	839	843	841	852	852	237
25°	767	776	785	801	801	353
35°	668	684	704	724	729	417
45°	549	574	607	634	641	423
55°	418	452	493	524	535	374
65°	283	320	369	403	414	280
75°	148	187	241	279	292	155
85°	32	77	131	168	180	37
90°	0	43	92	126	139	2
95°	0	41	88	121	133	0
105°	0	34	83	113	124	1
115°	2	31	70	101	113	2
125°	2	25	59	86	97	2
135°	2	20	49	70	79	1
145°	2	14	34	54	59	1
155°	2	9	22	34	40	1
165°	2	5	11	16	20	1
175°	2	2	4	4	2	0
180°	2	2	2	2	2	



TEST NUMBER: P567767

CATALOG NUMBER: 8SNX-40SL-SLW-UNV-L935-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	873.3	873.3	873.3	873.3	873.3
2.5°	878.7	876.9	867.9	875.1	871.5
5°	876.9	875.1	866.1	873.3	871.5
7.5°	869.7	869.7	864.3	871.5	869.7
10°	862.5	862.5	857.1	866.1	864.3
12.5°	851.7	853.5	849.9	860.7	858.9
15°	839.1	842.7	840.9	851.7	851.7
17.5°	824.7	828.3	828.3	840.9	840.9
20°	806.7	812.1	815.7	830.1	830.1
22.5°	788.7	795.9	801.3	813.9	819.3
25°	767.1	776.1	785.1	801.3	801.3
27.5°	745.5	756.3	767.1	783.3	785.1
30°	720.3	732.9	747.3	763.5	767.1
32.5°	695.1	711.3	725.7	745.5	750.9
35°	668.0	684.3	704.1	723.9	729.3
37.5°	637.4	657.2	682.5	704.1	709.5
40°	610.4	632.0	657.2	682.5	687.9
42.5°	579.8	603.2	633.8	657.2	666.2
45°	549.2	574.4	606.8	633.8	641.0
47.5°	516.8	545.6	581.6	606.8	615.8
50°	484.4	515.0	552.8	581.6	588.8
52.5°	452.0	484.4	524.0	552.8	561.8
55°	417.8	452.0	493.4	524.0	534.8
57.5°	385.3	419.6	462.8	495.2	506.0
60°	349.3	388.9	432.2	464.6	477.2
62.5°	318.7	354.7	401.5	434.0	444.8
65°	282.7	320.5	369.1	403.4	414.2
67.5°	248.5	288.1	336.7	372.7	383.5
70°	214.3	253.9	306.1	340.3	352.9
72.5°	180.1	221.5	271.9	309.7	322.3
75°	147.7	187.3	241.3	279.1	291.7
77.5°	113.4	156.7	210.7	248.5	262.9
80°	82.8	127.8	181.9	219.7	234.1
82.5°	55.8	100.8	154.9	192.7	207.1
85°	32.4	77.4	131.4	167.5	180.1
87.5°	16.2	59.4	109.8	145.9	158.5
90°	0.0	43.2	91.8	126.0	138.7
92.5°	0.0	41.4	90.0	122.4	135.1
95°	0.0	41.4	88.2	120.6	133.2
97.5°	0.0	39.6	86.4	120.6	131.4
100°	0.0	37.8	86.4	118.8	129.6
102.5°	0.0	36.0	84.6	117.0	127.8
105°	0.0	34.2	82.8	113.4	124.2
107.5°	1.8	34.2	79.2	111.6	122.4
110°	1.8	32.4	75.6	109.8	120.6



TEST NUMBER: P567767

CATALOG NUMBER: 8SNX-40SL-SLW-UNV-L935-CD

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	30.6	72.0	106.2	117.0
115°	1.8	30.6	70.2	100.8	113.4
117.5°	1.8	28.8	66.6	97.2	109.8
120°	1.8	28.8	64.8	93.6	104.4
122.5°	1.8	27.0	61.2	90.0	100.8
125°	1.8	25.2	59.4	86.4	97.2
127.5°	1.8	23.4	57.6	82.8	93.6
130°	1.8	21.6	54.0	79.2	88.2
132.5°	1.8	21.6	52.2	73.8	84.6
135°	1.8	19.8	48.6	70.2	79.2
137.5°	1.8	18.0	45.0	66.6	75.6
140°	1.8	16.2	41.4	63.0	70.2
142.5°	1.8	16.2	37.8	57.6	64.8
145°	1.8	14.4	34.2	54.0	59.4
147.5°	1.8	12.6	30.6	48.6	54.0
150°	1.8	12.6	27.0	43.2	48.6
152.5°	1.8	10.8	23.4	39.6	45.0
155°	1.8	9.0	21.6	34.2	39.6
157.5°	1.8	9.0	18.0	28.8	34.2
160°	1.8	7.2	16.2	23.4	28.8
162.5°	1.8	7.2	14.4	19.8	25.2
165°	1.8	5.4	10.8	16.2	19.8
167.5°	1.8	5.4	9.0	12.6	16.2
170°	1.8	3.6	7.2	9.0	12.6
172.5°	1.8	3.6	5.4	5.4	5.4
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)