

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: P567758

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P567758
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-LW-UNV-L930-CD
Description: 8FT 4000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS
Light Source: -
Ballast/Driver: -

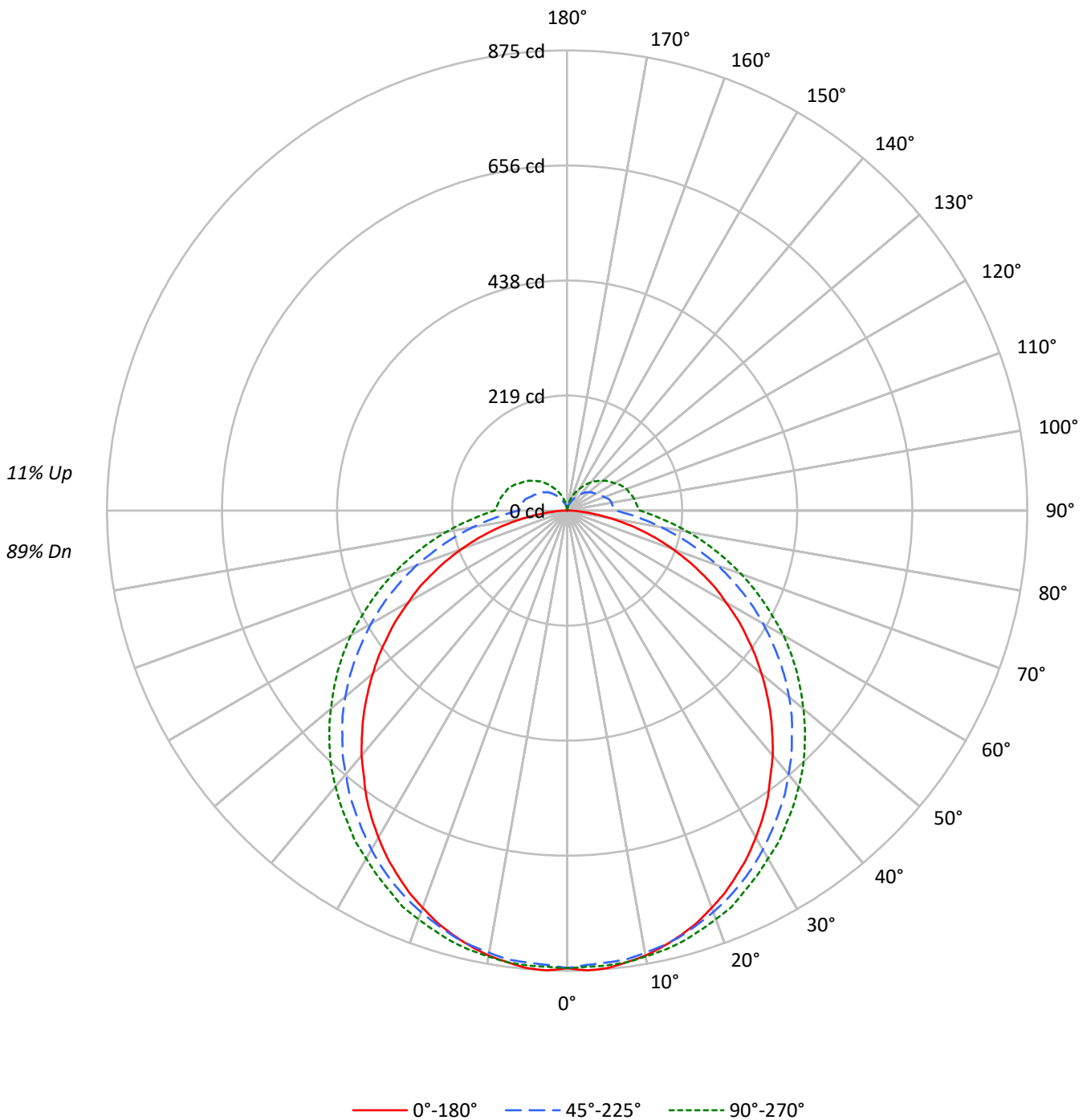
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3097.0 lumens
Efficiency: N/A
Efficacy: 128.0 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: 0.17')
CIE Type: Semi-Direct

Input Watts (W): 24.2
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: P567758
CATALOG NUMBER: 8SNX-40SL-LW-UNV-L930-CD

Luminous Intensity Polar Plot





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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°	4682	4682	4682
5°	4711	4471	4432
10°	4678	4298	4210
15°	4632	4130	4011
20°	4568	3954	3811
25°	4494	3786	3616
30°	4406	3612	3429
35°	4310	3438	3254
40°	4199	3267	3087
45°	4079	3096	2916
50°	3942	2919	2736
55°	3792	2722	2561
60°	3615	2516	2374
65°	3433	2293	2163
70°	3178	2054	1954
75°	2838	1776	1732
80°	2287	1495	1512
85°	1611	1233	1285



TEST NUMBER: P567758

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.6	2.7
10°-20°	237.5	7.7
20°-30°	361.1	11.7
30°-40°	438.4	14.2
40°-50°	463.2	15.0
50°-60°	433.5	14.0
60°-70°	355.7	11.5
70°-80°	244.6	7.9
80°-90°	134.0	4.3
90°-100°	86.3	2.8
100°-110°	77.4	2.5
110°-120°	64.1	2.1
120°-130°	49.3	1.6
130°-140°	34.7	1.1
140°-150°	20.9	0.7
150°-160°	10.0	0.3
160°-170°	3.3	0.1
170°-180°	0.4	0.0
0°-30°	681.3	22.0
0°-40°	1119.7	36.2
0°-60°	2016.4	65.1
0°-90°	2750.7	88.8
90°-120°	227.8	7.4
90°-150°	332.7	10.7
90°-180°	346.0	11.2
0°-180°	3097.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	870	870	870	870	870	
5°	874	872	863	870	868	83
15°	836	840	838	848	848	236
25°	764	773	782	798	798	352
35°	666	682	701	721	726	416
45°	547	572	604	631	639	422
55°	416	450	492	522	533	372
65°	282	319	368	402	413	279
75°	147	186	240	278	291	155
85°	32	77	131	167	179	37
90°	0	43	92	126	138	2
95°	0	41	88	120	133	0
105°	0	34	82	113	124	1
115°	2	30	70	100	113	2
125°	2	25	59	86	97	2
135°	2	20	48	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: P567758

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	870.0	870.0	870.0	870.0	870.0
2.5°	875.3	873.5	864.6	871.7	868.2
5°	873.5	871.7	862.8	870.0	868.2
7.5°	866.4	866.4	861.0	868.2	866.4
10°	859.2	859.2	853.8	862.8	861.0
12.5°	848.4	850.2	846.6	857.4	855.6
15°	835.9	839.5	837.7	848.4	848.4
17.5°	821.5	825.1	825.1	837.7	837.7
20°	803.6	809.0	812.6	826.9	826.9
22.5°	785.6	792.8	798.2	810.8	816.1
25°	764.1	773.1	782.1	798.2	798.2
27.5°	742.6	753.4	764.1	780.3	782.1
30°	717.5	730.0	744.4	760.5	764.1
32.5°	692.4	708.5	722.9	742.6	748.0
35°	665.5	681.6	701.3	721.1	726.5
37.5°	635.0	654.7	679.8	701.3	706.7
40°	608.1	629.6	654.7	679.8	685.2
42.5°	577.6	600.9	631.4	654.7	663.7
45°	547.1	572.2	604.5	631.4	638.6
47.5°	514.8	543.5	579.4	604.5	613.5
50°	482.5	513.0	550.7	579.4	586.5
52.5°	450.2	482.5	522.0	550.7	559.6
55°	416.1	450.2	491.5	522.0	532.7
57.5°	383.9	417.9	461.0	493.3	504.0
60°	348.0	387.4	430.5	462.8	475.3
62.5°	317.5	353.4	400.0	432.3	443.0
65°	281.6	319.3	367.7	401.8	412.6
67.5°	247.5	287.0	335.4	371.3	382.1
70°	213.5	252.9	304.9	339.0	351.6
72.5°	179.4	220.6	270.9	308.5	321.1
75°	147.1	186.5	240.4	278.0	290.6
77.5°	113.0	156.1	209.9	247.5	261.9
80°	82.5	127.4	181.2	218.8	233.2
82.5°	55.6	100.4	154.3	191.9	206.3
85°	32.3	77.1	130.9	166.8	179.4
87.5°	16.1	59.2	109.4	145.3	157.8
90°	0.0	43.0	91.5	125.6	138.1
92.5°	0.0	41.3	89.7	122.0	134.5
95°	0.0	41.3	87.9	120.2	132.7
97.5°	0.0	39.5	86.1	120.2	130.9
100°	0.0	37.7	86.1	118.4	129.1
102.5°	0.0	35.9	84.3	116.6	127.4
105°	0.0	34.1	82.5	113.0	123.8
107.5°	1.8	34.1	78.9	111.2	122.0
110°	1.8	32.3	75.3	109.4	120.2



TEST NUMBER: P567758

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1.8	30.5	71.7	105.8	116.6
115°	1.8	30.5	70.0	100.4	113.0
117.5°	1.8	28.7	66.4	96.9	109.4
120°	1.8	28.7	64.6	93.3	104.0
122.5°	1.8	26.9	61.0	89.7	100.4
125°	1.8	25.1	59.2	86.1	96.9
127.5°	1.8	23.3	57.4	82.5	93.3
130°	1.8	21.5	53.8	78.9	87.9
132.5°	1.8	21.5	52.0	73.5	84.3
135°	1.8	19.7	48.4	70.0	78.9
137.5°	1.8	17.9	44.8	66.4	75.3
140°	1.8	16.1	41.3	62.8	70.0
142.5°	1.8	16.1	37.7	57.4	64.6
145°	1.8	14.3	34.1	53.8	59.2
147.5°	1.8	12.6	30.5	48.4	53.8
150°	1.8	12.6	26.9	43.0	48.4
152.5°	1.8	10.8	23.3	39.5	44.8
155°	1.8	9.0	21.5	34.1	39.5
157.5°	1.8	9.0	17.9	28.7	34.1
160°	1.8	7.2	16.1	23.3	28.7
162.5°	1.8	7.2	14.3	19.7	25.1
165°	1.8	5.4	10.8	16.1	19.7
167.5°	1.8	5.4	9.0	12.6	16.1
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)