

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: P565726

Luminaire Tested: **2SNX-40HL-SLW-UNV-L930-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565726  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNX-40HL-SLW-UNV-L930-CD  
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

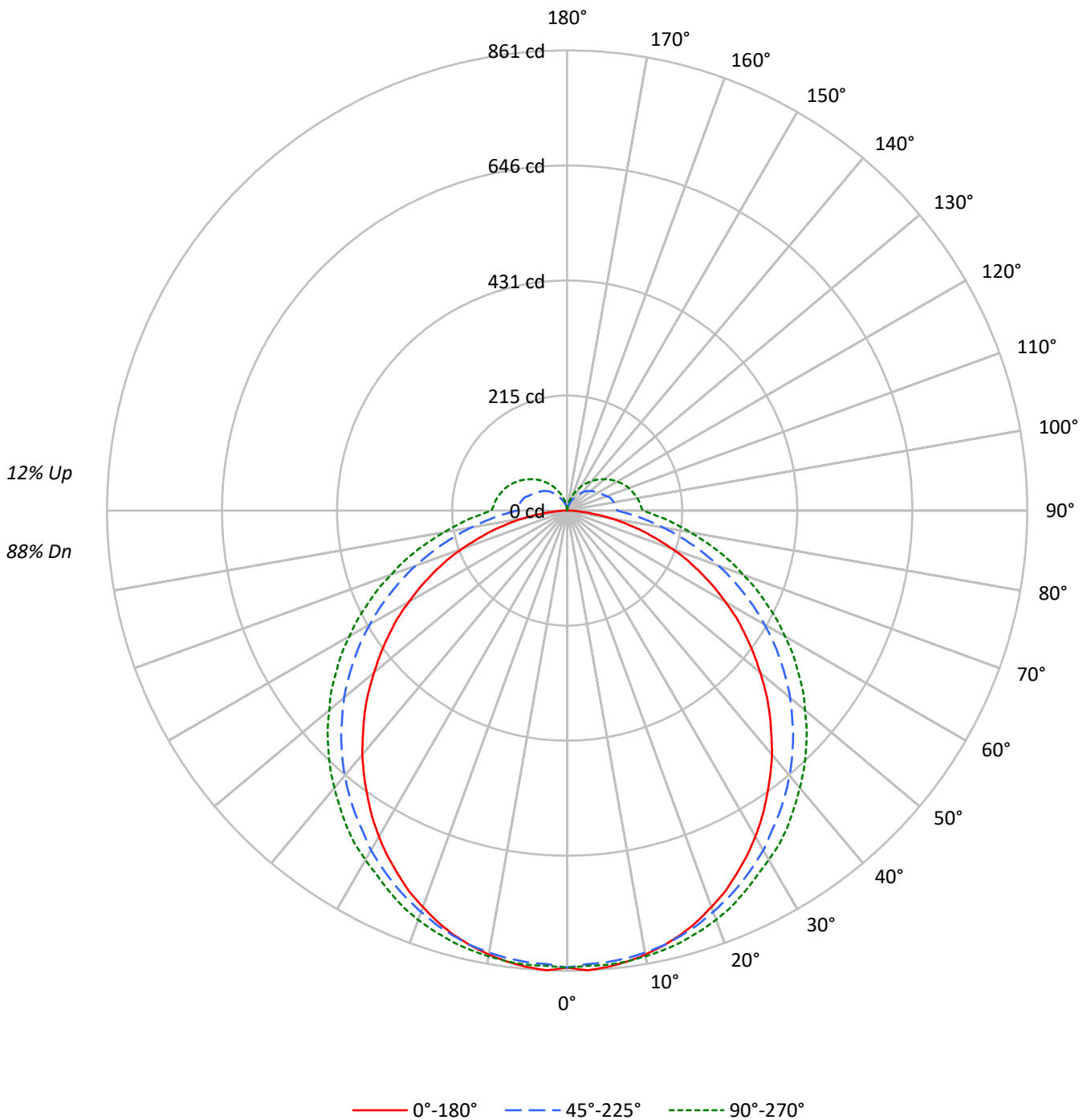
Lumens per Lamp: N/A  
Luminaire Lumens: 3079.0 lumens  
Efficiency: N/A  
Efficacy: 111.8 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 27.55  
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: P565726

CATALOG NUMBER: 2SNX-40HL-SLW-UNV-L930-CD

### Luminous Intensity Polar Plot





TEST NUMBER: P565726

CATALOG NUMBER: 2SNX-40HL-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	91	91	91	88
1	105	99	95	90	101	96	92	88	89	86	83	84	81	78	78	76	74	71
2	95	86	79	72	91	83	76	71	77	72	67	72	68	64	68	64	61	58
3	86	75	66	60	82	72	65	58	68	61	56	63	58	53	59	55	51	48
4	78	66	57	50	75	64	56	49	60	53	47	56	50	45	53	48	43	41
5	72	59	50	43	69	57	48	42	54	46	41	50	44	39	47	42	38	35
6	66	53	44	37	64	51	43	37	48	41	35	45	39	34	43	37	33	31
7	61	48	39	33	59	46	38	32	44	36	31	41	35	30	39	33	29	27
8	57	43	35	29	55	42	34	29	40	33	28	38	31	27	36	30	26	24
9	53	40	32	26	51	39	31	26	37	30	25	35	29	24	33	27	23	21
10	50	37	29	23	48	36	28	23	34	27	22	32	26	22	31	25	21	19

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

	0°	45°	90°
0°	18411	18411	18411
5°	18459	17920	17915
10°	18307	17543	17487
15°	18108	17143	17083
20°	17813	16706	16662
25°	17472	16270	16182
30°	17100	15832	15739
35°	16643	15343	15357
40°	16194	14895	14891
45°	15659	14400	14450
50°	15044	13875	13942
55°	14442	13264	13438
60°	13746	12603	12856
65°	12901	11847	12238
70°	11826	11001	11524
75°	10328	10028	10870
80°	8259	9053	10046
85°	5294	8168	9505



TEST NUMBER: P565726

CATALOG NUMBER: 2SNX-40HL-SLW-UNV-L930-CD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.2	2.6
10°-20°	233.6	7.6
20°-30°	355.3	11.5
30°-40°	432.0	14.0
40°-50°	457.0	14.8
50°-60°	428.4	13.9
60°-70°	352.4	11.4
70°-80°	243.9	7.9
80°-90°	135.6	4.4
90°-100°	89.3	2.9
100°-110°	80.1	2.6
110°-120°	66.3	2.2
120°-130°	51.3	1.7
130°-140°	36.3	1.2
140°-150°	21.9	0.7
150°-160°	10.5	0.3
160°-170°	3.4	0.1
170°-180°	0.4	0.0
0°-30°	670.0	21.8
0°-40°	1102.0	35.8
0°-60°	1987.5	64.5
0°-90°	2719.4	88.3
90°-120°	235.8	7.7
90°-150°	345.2	11.2
90°-180°	360.0	11.7
0°-180°	3079.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	855	855	855	855	855	
5°	857	856	848	855	853	81
15°	822	824	824	835	835	232
25°	750	760	769	786	787	346
35°	652	669	692	714	720	408
45°	536	564	598	625	632	413
55°	408	444	487	517	528	365
65°	276	315	364	400	411	273
75°	143	185	239	277	293	152
85°	32	79	133	170	184	36
90°	0	44	94	129	142	2
95°	0	42	91	125	137	0
105°	0	36	85	118	128	1
115°	1	32	72	104	116	1
125°	1	27	62	89	100	1
135°	1	21	52	73	82	1
145°	1	15	36	55	62	1
155°	2	10	22	35	41	1
165°	2	7	12	16	21	0
175°	2	3	4	4	2	0
180°	1	1	1	1	1	



TEST NUMBER: P565726

CATALOG NUMBER: 2SNX-40HL-SLW-UNV-L930-CD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	855.2	855.2	855.2	855.2	855.2
2.5°	861.0	858.4	849.4	855.2	852.6
5°	857.3	855.8	848.4	855.2	853.1
7.5°	851.5	851.0	845.2	853.1	851.0
10°	843.6	844.7	839.9	848.4	846.8
12.5°	833.6	835.2	833.1	842.6	841.5
15°	821.5	824.1	823.6	834.7	834.7
17.5°	806.7	810.4	812.5	825.2	825.2
20°	789.3	795.1	799.3	813.0	815.2
22.5°	771.9	778.8	785.1	799.3	802.5
25°	749.8	760.3	769.3	786.2	786.7
27.5°	728.2	739.8	751.9	768.2	769.8
30°	704.4	719.2	734.0	749.8	754.5
32.5°	679.1	695.5	711.8	732.9	739.2
35°	651.7	669.1	691.8	713.9	720.2
37.5°	624.3	643.8	670.2	692.8	698.6
40°	596.3	618.0	647.5	670.7	677.5
42.5°	565.2	591.6	623.2	648.0	655.9
45°	535.7	563.6	597.9	624.8	632.2
47.5°	504.6	534.1	571.0	599.5	607.9
50°	471.4	505.1	544.7	573.1	581.0
52.5°	440.3	474.5	516.2	545.7	556.8
55°	407.6	444.0	486.7	517.2	527.8
57.5°	377.0	411.8	457.7	488.2	501.4
60°	342.2	380.7	426.6	459.8	470.3
62.5°	309.5	348.5	396.0	430.2	442.4
65°	275.8	315.3	364.3	400.2	411.3
67.5°	244.1	283.1	333.2	368.6	382.8
70°	209.3	250.5	301.6	338.0	350.1
72.5°	175.1	217.8	270.0	309.0	322.7
75°	143.4	185.1	239.4	277.3	292.6
77.5°	112.8	155.0	209.9	248.9	262.1
80°	82.3	126.5	182.4	220.9	233.6
82.5°	54.3	100.7	156.1	194.6	208.3
85°	31.6	78.6	132.9	169.8	184.5
87.5°	13.7	59.6	111.3	147.6	159.8
90°	0.5	44.3	93.9	129.2	141.8
92.5°	0.5	43.2	91.7	126.5	138.7
95°	0.5	42.2	91.2	125.0	137.1
97.5°	0.5	41.7	90.2	123.9	135.5
100°	0.5	40.1	88.6	121.8	133.4
102.5°	0.5	38.0	87.0	119.7	130.8
105°	0.5	36.4	85.4	117.6	128.1
107.5°	0.5	34.8	82.8	114.9	125.5
110°	0.5	33.2	78.6	112.3	122.9



TEST NUMBER: P565726

CATALOG NUMBER: 2SNX-40HL-SLW-UNV-L930-CD

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	32.7	75.4	108.6	119.7
115°	1.1	31.6	72.2	104.4	116.0
117.5°	1.1	31.1	69.6	100.2	112.3
120°	1.1	29.5	67.0	96.5	108.1
122.5°	1.1	27.9	64.3	92.8	104.4
125°	1.1	26.9	61.7	89.1	100.2
127.5°	1.1	25.3	59.6	85.4	95.4
130°	1.1	24.3	56.9	81.2	91.2
132.5°	1.1	22.7	54.3	77.0	86.5
135°	1.1	21.1	51.7	73.3	82.3
137.5°	1.1	19.0	48.5	69.1	77.5
140°	1.1	17.4	44.3	64.9	72.8
142.5°	1.1	16.3	40.1	60.1	67.5
145°	1.1	15.3	35.9	55.4	62.2
147.5°	1.1	14.2	32.2	50.6	56.9
150°	1.1	12.7	28.5	46.4	51.7
152.5°	1.6	11.6	25.3	41.1	46.4
155°	1.6	10.5	22.1	35.3	41.1
157.5°	1.6	9.5	19.0	29.5	35.9
160°	1.6	8.4	16.3	24.3	30.6
162.5°	1.6	7.9	14.2	20.0	25.8
165°	1.6	6.9	12.1	16.3	21.1
167.5°	1.6	5.3	10.0	12.7	17.4
170°	1.6	4.2	7.9	9.0	13.2
172.5°	1.6	3.2	5.8	6.3	6.9
175°	1.6	2.6	3.7	3.7	2.1
177.5°	1.6	2.1	2.1	2.1	1.1
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)