

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: P565718

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

Issue Date: 9/15/2022



**Test Information**

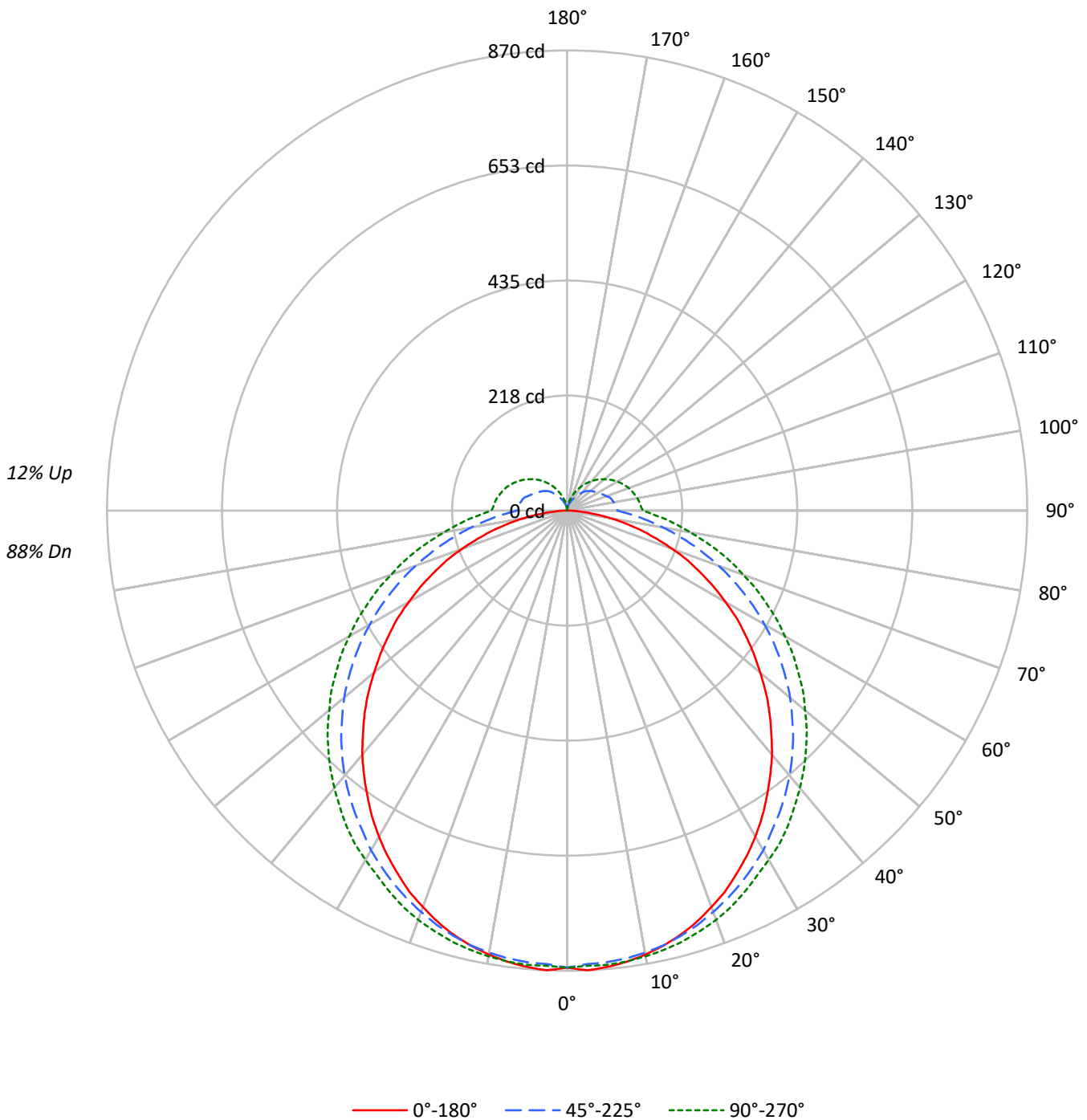
Test Method: LM-79-08  
Report Number: P565718  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNX-40HL-LW-UNV-L930-CD  
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3111.0 lumens  
Efficiency: N/A  
Efficacy: 112.9 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: 0.17')  
CIE Type: Semi-Direct  
  
Input Watts (W): 27.55  
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

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### 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	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°	18602	18602	18602
5°	18583	17703	17601
10°	18364	16966	16736
15°	18094	16240	15946
20°	17732	15508	15184
25°	17322	14803	14404
30°	16879	14113	13685
35°	16352	13396	13038
40°	15825	12723	12337
45°	15212	12018	11669
50°	14511	11293	10957
55°	13812	10501	10254
60°	13011	9672	9495
65°	12040	8773	8711
70°	10832	7805	7862
75°	9193	6754	7051
80°	6996	5701	6120
85°	4048	4697	5344



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	82.0	2.6
10°-20°	236.0	7.6
20°-30°	359.0	11.5
30°-40°	436.5	14.0
40°-50°	461.8	14.8
50°-60°	432.9	13.9
60°-70°	356.1	11.4
70°-80°	246.4	7.9
80°-90°	137.0	4.4
90°-100°	90.3	2.9
100°-110°	80.9	2.6
110°-120°	67.0	2.2
120°-130°	51.8	1.7
130°-140°	36.7	1.2
140°-150°	22.1	0.7
150°-160°	10.6	0.3
160°-170°	3.5	0.1
170°-180°	0.4	0.0
0°-30°	677.0	21.8
0°-40°	1113.5	35.8
0°-60°	2008.2	64.6
0°-90°	2747.7	88.3
90°-120°	238.2	7.7
90°-150°	348.8	11.2
90°-180°	363.0	11.7
0°-180°	3111.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	864	864	864	864	864	
5°	866	865	857	864	862	82
15°	830	833	832	843	843	234
25°	758	768	777	794	795	349
35°	658	676	699	721	728	412
45°	541	570	604	631	639	417
55°	412	449	492	523	533	369
65°	279	319	368	404	416	276
75°	145	187	242	280	296	154
85°	32	79	134	172	186	37
90°	0	45	95	130	143	2
95°	0	43	92	126	138	0
105°	0	37	86	119	130	1
115°	1	32	73	106	117	1
125°	1	27	62	90	101	1
135°	1	21	52	74	83	1
145°	1	15	36	56	63	1
155°	2	11	22	36	42	1
165°	2	7	12	16	21	0
175°	2	3	4	4	2	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	864.1	864.1	864.1	864.1	864.1
2.5°	870.0	867.3	858.3	864.1	861.5
5°	866.2	864.6	857.2	864.1	862.0
7.5°	860.4	859.9	854.0	862.0	859.9
10°	852.4	853.5	848.7	857.2	855.6
12.5°	842.3	843.9	841.7	851.3	850.3
15°	830.0	832.7	832.2	843.3	843.3
17.5°	815.1	818.8	821.0	833.7	833.7
20°	797.5	803.4	807.6	821.5	823.6
22.5°	779.9	786.9	793.3	807.6	810.8
25°	757.6	768.2	777.3	794.3	794.9
27.5°	735.7	747.4	759.7	776.2	777.8
30°	711.7	726.7	741.6	757.6	762.4
32.5°	686.2	702.7	719.2	740.5	746.9
35°	658.5	676.1	699.0	721.3	727.7
37.5°	630.8	650.5	677.1	700.0	705.9
40°	602.5	624.4	654.2	677.7	684.6
42.5°	571.1	597.7	629.7	654.7	662.7
45°	541.3	569.5	604.1	631.3	638.8
47.5°	509.8	539.7	577.0	605.7	614.3
50°	476.3	510.4	550.3	579.1	587.1
52.5°	444.8	479.5	521.6	551.4	562.6
55°	411.8	448.6	491.7	522.6	533.3
57.5°	380.9	416.1	462.4	493.3	506.6
60°	345.8	384.6	431.0	464.6	475.2
62.5°	312.7	352.1	400.1	434.7	447.0
65°	278.6	318.6	368.1	404.4	415.5
67.5°	246.7	286.1	336.7	372.4	386.8
70°	211.5	253.1	304.7	341.5	353.7
72.5°	176.9	220.0	272.8	312.2	326.0
75°	144.9	187.0	241.9	280.2	295.7
77.5°	114.0	156.6	212.0	251.5	264.8
80°	83.1	127.9	184.3	223.2	236.0
82.5°	54.9	101.8	157.7	196.6	210.4
85°	32.0	79.4	134.3	171.5	186.5
87.5°	13.9	60.2	112.4	149.2	161.4
90°	0.5	44.8	94.8	130.5	143.3
92.5°	0.5	43.7	92.7	127.9	140.1
95°	0.5	42.6	92.2	126.3	138.5
97.5°	0.5	42.1	91.1	125.2	136.9
100°	0.5	40.5	89.5	123.1	134.8
102.5°	0.5	38.4	87.9	120.9	132.1
105°	0.5	36.8	86.3	118.8	129.5
107.5°	0.5	35.2	83.6	116.1	126.8
110°	0.5	33.6	79.4	113.5	124.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	33.0	76.2	109.7	120.9
115°	1.1	32.0	73.0	105.5	117.2
117.5°	1.1	31.4	70.3	101.2	113.5
120°	1.1	29.8	67.7	97.5	109.2
122.5°	1.1	28.2	65.0	93.8	105.5
125°	1.1	27.2	62.3	90.0	101.2
127.5°	1.1	25.6	60.2	86.3	96.4
130°	1.1	24.5	57.5	82.0	92.2
132.5°	1.1	22.9	54.9	77.8	87.4
135°	1.1	21.3	52.2	74.1	83.1
137.5°	1.1	19.2	49.0	69.8	78.3
140°	1.1	17.6	44.8	65.5	73.5
142.5°	1.1	16.5	40.5	60.7	68.2
145°	1.1	15.4	36.2	55.9	62.9
147.5°	1.1	14.4	32.5	51.1	57.5
150°	1.1	12.8	28.8	46.9	52.2
152.5°	1.6	11.7	25.6	41.6	46.9
155°	1.6	10.7	22.4	35.7	41.6
157.5°	1.6	9.6	19.2	29.8	36.2
160°	1.6	8.5	16.5	24.5	30.9
162.5°	1.6	8.0	14.4	20.2	26.1
165°	1.6	6.9	12.3	16.5	21.3
167.5°	1.6	5.3	10.1	12.8	17.6
170°	1.6	4.3	8.0	9.1	13.3
172.5°	1.6	3.2	5.9	6.4	6.9
175°	1.6	2.7	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)