

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: P565719

Luminaire Tested: **2SNX-40HL-LW-UNV-L935-CD**

Issue Date: 9/15/2022



**Test Information**

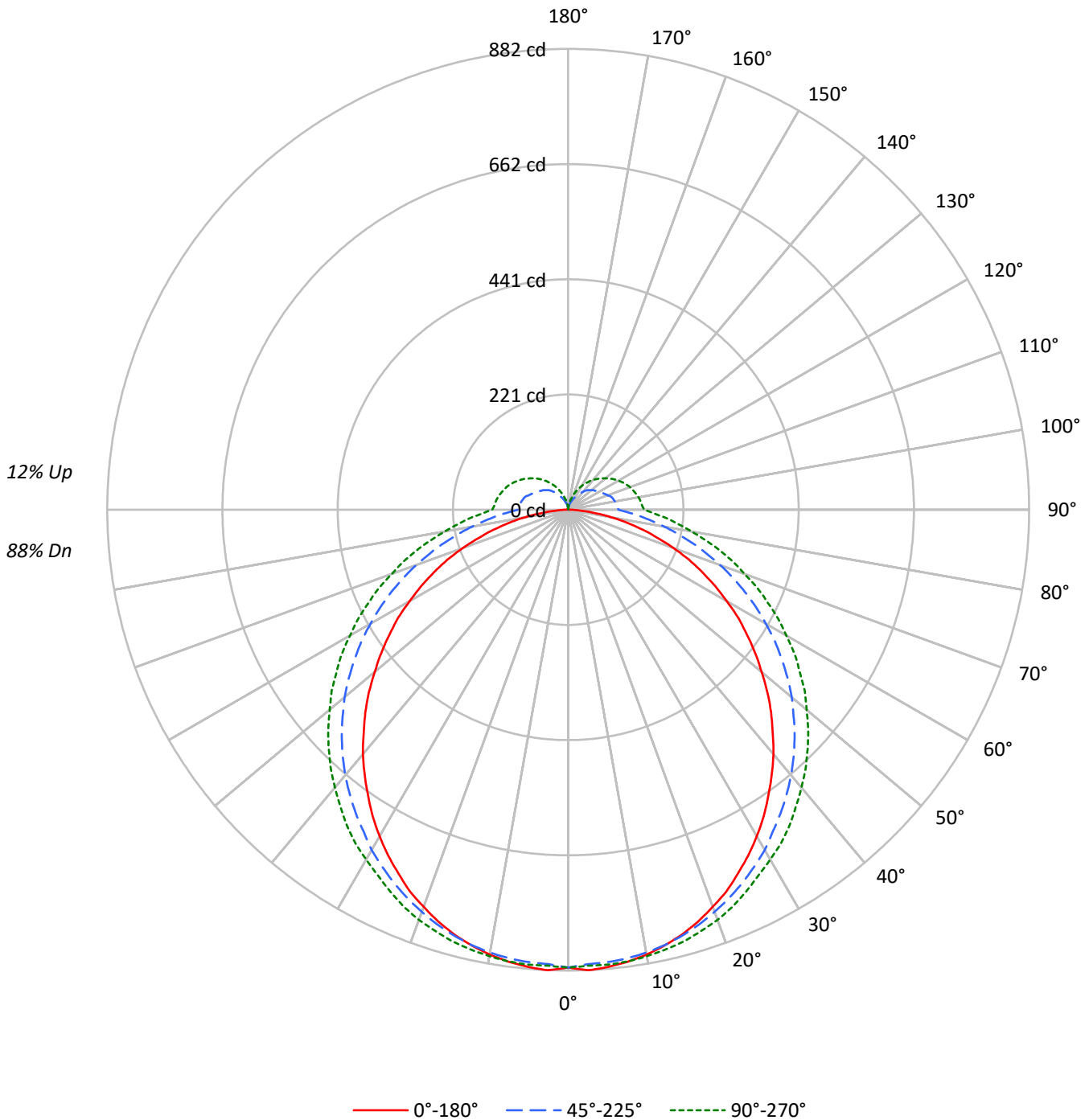
Test Method: LM-79-08  
Report Number: P565719  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2204-622-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNX-40HL-LW-UNV-L935-CD  
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3155.0 lumens  
Efficiency: N/A  
Efficacy: 114.5 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°	18865	18865	18865
5°	18847	17953	17850
10°	18624	17206	16973
15°	18352	16468	16173
20°	17984	15729	15400
25°	17567	15012	14607
30°	17119	14313	13877
35°	16583	13583	13223
40°	16051	12904	12512
45°	15426	12189	11833
50°	14715	11453	11112
55°	14007	10651	10398
60°	13191	9809	9629
65°	12213	8897	8835
70°	10986	7916	7973
75°	9326	6848	7151
80°	7097	5782	6205
85°	4099	4764	5418



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.2	2.6
10°-20°	239.3	7.6
20°-30°	364.1	11.5
30°-40°	442.7	14.0
40°-50°	468.3	14.8
50°-60°	439.0	13.9
60°-70°	361.2	11.4
70°-80°	249.9	7.9
80°-90°	139.0	4.4
90°-100°	91.5	2.9
100°-110°	82.1	2.6
110°-120°	68.0	2.2
120°-130°	52.5	1.7
130°-140°	37.2	1.2
140°-150°	22.4	0.7
150°-160°	10.8	0.3
160°-170°	3.5	0.1
170°-180°	0.4	0.0
0°-30°	686.6	21.8
0°-40°	1129.2	35.8
0°-60°	2036.6	64.6
0°-90°	2786.6	88.3
90°-120°	241.6	7.7
90°-150°	353.7	11.2
90°-180°	368.0	11.7
0°-180°	3155.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	876	876	876	876	876	
5°	878	877	869	876	874	83
15°	842	844	844	855	855	237
25°	768	779	788	806	806	354
35°	668	686	709	732	738	418
45°	549	578	613	640	648	423
55°	418	455	499	530	541	374
65°	283	323	373	410	421	280
75°	147	190	245	284	300	156
85°	32	80	136	174	189	37
90°	0	45	96	132	145	2
95°	0	43	94	128	140	0
105°	0	37	88	120	131	1
115°	1	32	74	107	119	1
125°	1	28	63	91	103	1
135°	1	22	53	75	84	1
145°	1	16	37	57	64	1
155°	2	11	23	36	42	1
165°	2	7	12	17	22	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°	876.3	876.3	876.3	876.3	876.3
2.5°	882.3	879.6	870.4	876.3	873.6
5°	878.5	876.9	869.3	876.3	874.2
7.5°	872.6	872.0	866.1	874.2	872.0
10°	864.5	865.5	860.7	869.3	867.7
12.5°	854.2	855.8	853.6	863.4	862.3
15°	841.8	844.5	843.9	855.3	855.3
17.5°	826.6	830.4	832.6	845.5	845.5
20°	808.8	814.7	819.1	833.1	835.3
22.5°	791.0	798.0	804.5	819.1	822.3
25°	768.3	779.1	788.3	805.6	806.1
27.5°	746.1	758.0	770.4	787.2	788.8
30°	721.8	736.9	752.1	768.3	773.1
32.5°	695.9	712.6	729.4	751.0	757.5
35°	667.8	685.6	708.8	731.5	738.0
37.5°	639.7	659.7	686.7	709.9	715.9
40°	611.1	633.2	663.5	687.2	694.3
42.5°	579.2	606.2	638.6	664.0	672.1
45°	548.9	577.6	612.7	640.2	647.8
47.5°	517.0	547.3	585.1	614.3	622.9
50°	483.0	517.6	558.1	587.3	595.4
52.5°	451.1	486.3	528.9	559.2	570.5
55°	417.6	454.9	498.7	530.0	540.8
57.5°	386.3	422.0	469.0	500.3	513.8
60°	350.6	390.1	437.1	471.1	481.9
62.5°	317.1	357.1	405.8	440.9	453.3
65°	282.6	323.1	373.3	410.1	421.4
67.5°	250.2	290.1	341.5	377.7	392.2
70°	214.5	256.6	309.0	346.3	358.7
72.5°	179.4	223.1	276.6	316.6	330.7
75°	147.0	189.6	245.3	284.2	299.9
77.5°	115.6	158.8	215.0	255.0	268.5
80°	84.3	129.7	186.9	226.4	239.3
82.5°	55.6	103.2	159.9	199.4	213.4
85°	32.4	80.5	136.2	174.0	189.1
87.5°	14.0	61.1	114.0	151.3	163.7
90°	0.5	45.4	96.2	132.4	145.3
92.5°	0.5	44.3	94.0	129.7	142.1
95°	0.5	43.2	93.5	128.0	140.5
97.5°	0.5	42.7	92.4	127.0	138.9
100°	0.5	41.1	90.8	124.8	136.7
102.5°	0.5	38.9	89.1	122.6	134.0
105°	0.5	37.3	87.5	120.5	131.3
107.5°	0.5	35.7	84.8	117.8	128.6
110°	0.5	34.0	80.5	115.1	125.9



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	33.5	77.3	111.3	122.6
115°	1.1	32.4	74.0	107.0	118.9
117.5°	1.1	31.9	71.3	102.7	115.1
120°	1.1	30.3	68.6	98.9	110.8
122.5°	1.1	28.6	65.9	95.1	107.0
125°	1.1	27.6	63.2	91.3	102.7
127.5°	1.1	25.9	61.1	87.5	97.8
130°	1.1	24.9	58.4	83.2	93.5
132.5°	1.1	23.2	55.6	78.9	88.6
135°	1.1	21.6	52.9	75.1	84.3
137.5°	1.1	19.5	49.7	70.8	79.4
140°	1.1	17.8	45.4	66.5	74.6
142.5°	1.1	16.7	41.1	61.6	69.2
145°	1.1	15.7	36.7	56.7	63.8
147.5°	1.1	14.6	33.0	51.9	58.4
150°	1.1	13.0	29.2	47.5	52.9
152.5°	1.6	11.9	25.9	42.1	47.5
155°	1.6	10.8	22.7	36.2	42.1
157.5°	1.6	9.7	19.5	30.3	36.7
160°	1.6	8.6	16.7	24.9	31.3
162.5°	1.6	8.1	14.6	20.5	26.5
165°	1.6	7.0	12.4	16.7	21.6
167.5°	1.6	5.4	10.3	13.0	17.8
170°	1.6	4.3	8.1	9.2	13.5
172.5°	1.6	3.2	5.9	6.5	7.0
175°	1.6	2.7	3.8	3.8	2.2
177.5°	1.6	2.2	2.2	2.2	1.1
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)