

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: P565695

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

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565695  
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-FDL-UNV-L935-CD  
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

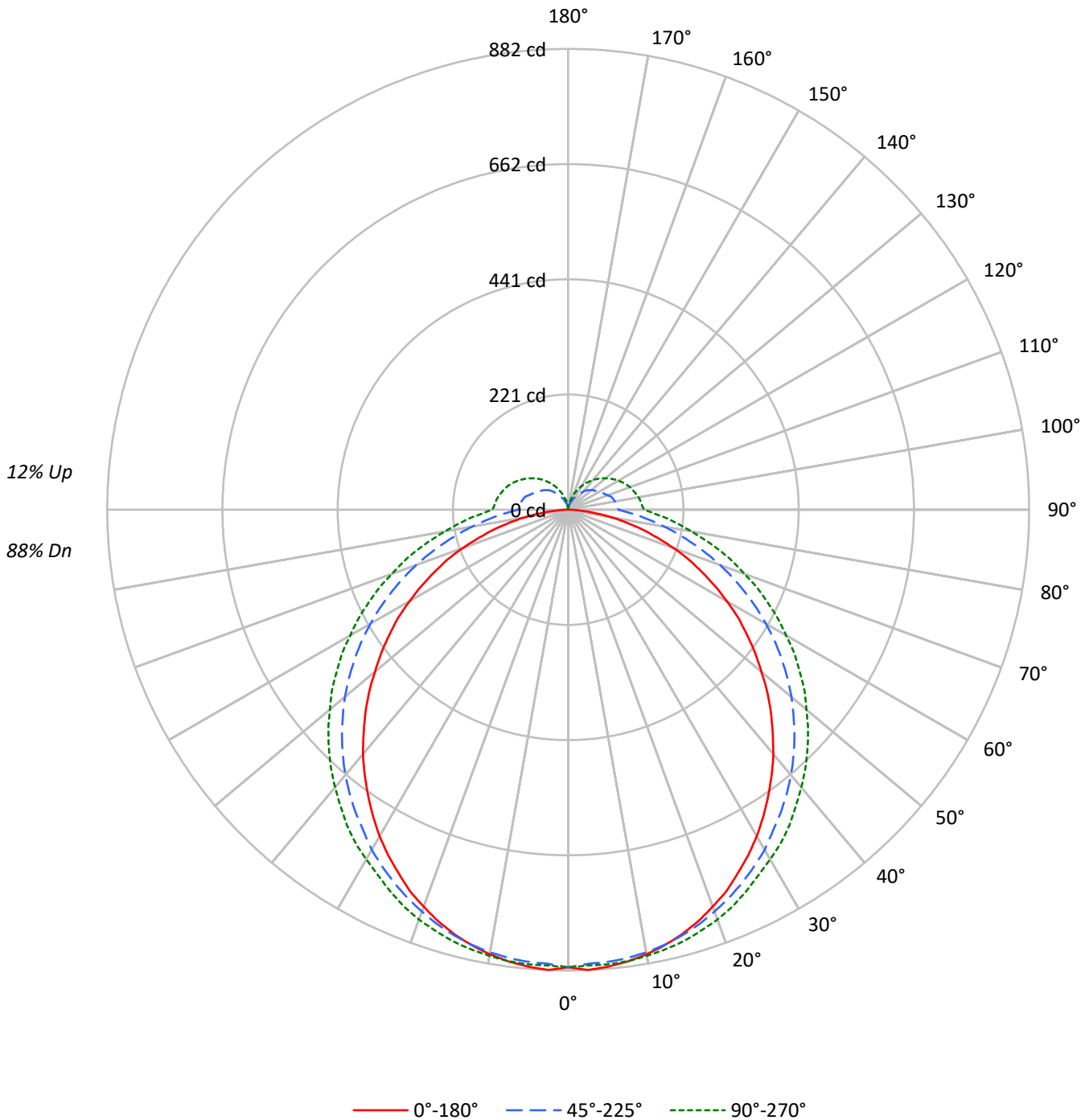
Lumens per Lamp: N/A  
Luminaire Lumens: 3153.0 lumens  
Efficiency: N/A  
Efficacy: 114.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')  
CIE Type: Semi-Direct

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

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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	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°	18854	18854	18854
5°	18937	18560	18607
10°	18816	18372	18414
15°	18644	18152	18235
20°	18378	17888	18029
25°	18062	17623	17756
30°	17720	17355	17522
35°	17288	17036	17359
40°	16867	16767	17105
45°	16361	16459	16894
50°	15775	16132	16625
55°	15213	15728	16386
60°	14561	15294	16091
65°	13770	14798	15806
70°	12764	14247	15478
75°	11337	13638	15369
80°	9336	13219	15245
85°	6464	13364	16070



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.1	2.6
10°-20°	239.2	7.6
20°-30°	363.8	11.5
30°-40°	442.4	14.0
40°-50°	468.0	14.8
50°-60°	438.7	13.9
60°-70°	360.9	11.4
70°-80°	249.7	7.9
80°-90°	138.9	4.4
90°-100°	91.5	2.9
100°-110°	82.0	2.6
110°-120°	67.9	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°	686.1	21.8
0°-40°	1128.5	35.8
0°-60°	2035.3	64.6
0°-90°	2784.8	88.3
90°-120°	241.4	7.7
90°-150°	353.5	11.2
90°-180°	368.0	11.7
0°-180°	3153.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	876	876	876	876	876	
5°	878	876	869	876	874	83
15°	841	844	843	855	855	237
25°	768	779	788	805	806	354
35°	667	685	708	731	738	418
45°	549	577	612	640	647	423
55°	417	455	498	530	540	374
65°	282	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	93	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°	875.8	875.8	875.8	875.8	875.8
2.5°	881.7	879.0	869.8	875.8	873.1
5°	877.9	876.3	868.8	875.8	873.6
7.5°	872.0	871.5	865.5	873.6	871.5
10°	863.9	865.0	860.1	868.8	867.1
12.5°	853.6	855.3	853.1	862.8	861.7
15°	841.2	843.9	843.4	854.7	854.7
17.5°	826.1	829.9	832.0	845.0	845.0
20°	808.3	814.2	818.5	832.6	834.7
22.5°	790.5	797.5	804.0	818.5	821.8
25°	767.8	778.6	787.8	805.0	805.6
27.5°	745.7	757.5	770.0	786.7	788.3
30°	721.4	736.5	751.6	767.8	772.7
32.5°	695.4	712.2	728.9	750.5	757.0
35°	667.4	685.2	708.4	731.1	737.6
37.5°	639.3	659.3	686.3	709.5	715.4
40°	610.7	632.8	663.0	686.8	693.8
42.5°	578.8	605.8	638.2	663.6	671.7
45°	548.6	577.2	612.3	639.8	647.4
47.5°	516.7	547.0	584.8	613.9	622.5
50°	482.7	517.3	557.8	586.9	595.0
52.5°	450.8	485.9	528.6	558.8	570.2
55°	417.4	454.6	498.4	529.7	540.5
57.5°	386.1	421.7	468.7	500.0	513.5
60°	350.4	389.8	436.8	470.8	481.6
62.5°	316.9	356.9	405.5	440.6	453.0
65°	282.4	322.9	373.1	409.8	421.2
67.5°	250.0	289.9	341.2	377.4	392.0
70°	214.4	256.5	308.8	346.1	358.5
72.5°	179.3	223.0	276.4	316.4	330.4
75°	146.9	189.5	245.1	284.0	299.7
77.5°	115.5	158.7	214.9	254.9	268.3
80°	84.2	129.6	186.8	226.2	239.2
82.5°	55.6	103.1	159.8	199.2	213.3
85°	32.4	80.5	136.1	173.9	189.0
87.5°	14.0	61.0	113.9	151.2	163.6
90°	0.5	45.4	96.1	132.3	145.2
92.5°	0.5	44.3	93.9	129.6	142.0
95°	0.5	43.2	93.4	128.0	140.4
97.5°	0.5	42.7	92.3	126.9	138.8
100°	0.5	41.0	90.7	124.7	136.6
102.5°	0.5	38.9	89.1	122.6	133.9
105°	0.5	37.3	87.5	120.4	131.2
107.5°	0.5	35.6	84.8	117.7	128.5
110°	0.5	34.0	80.5	115.0	125.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	33.5	77.2	111.2	122.6
115°	1.1	32.4	74.0	106.9	118.8
117.5°	1.1	31.9	71.3	102.6	115.0
120°	1.1	30.2	68.6	98.8	110.7
122.5°	1.1	28.6	65.9	95.0	106.9
125°	1.1	27.5	63.2	91.2	102.6
127.5°	1.1	25.9	61.0	87.5	97.7
130°	1.1	24.8	58.3	83.2	93.4
132.5°	1.1	23.2	55.6	78.8	88.6
135°	1.1	21.6	52.9	75.1	84.2
137.5°	1.1	19.4	49.7	70.7	79.4
140°	1.1	17.8	45.4	66.4	74.5
142.5°	1.1	16.7	41.0	61.6	69.1
145°	1.1	15.7	36.7	56.7	63.7
147.5°	1.1	14.6	32.9	51.8	58.3
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	19.4	30.2	36.7
160°	1.6	8.6	16.7	24.8	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)