

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: P565721

Luminaire Tested: **2SNX-40HL-LW-UNV-L950-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565721  
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-L950-CD  
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LW LENS  
Light Source: -  
Ballast/Driver: -

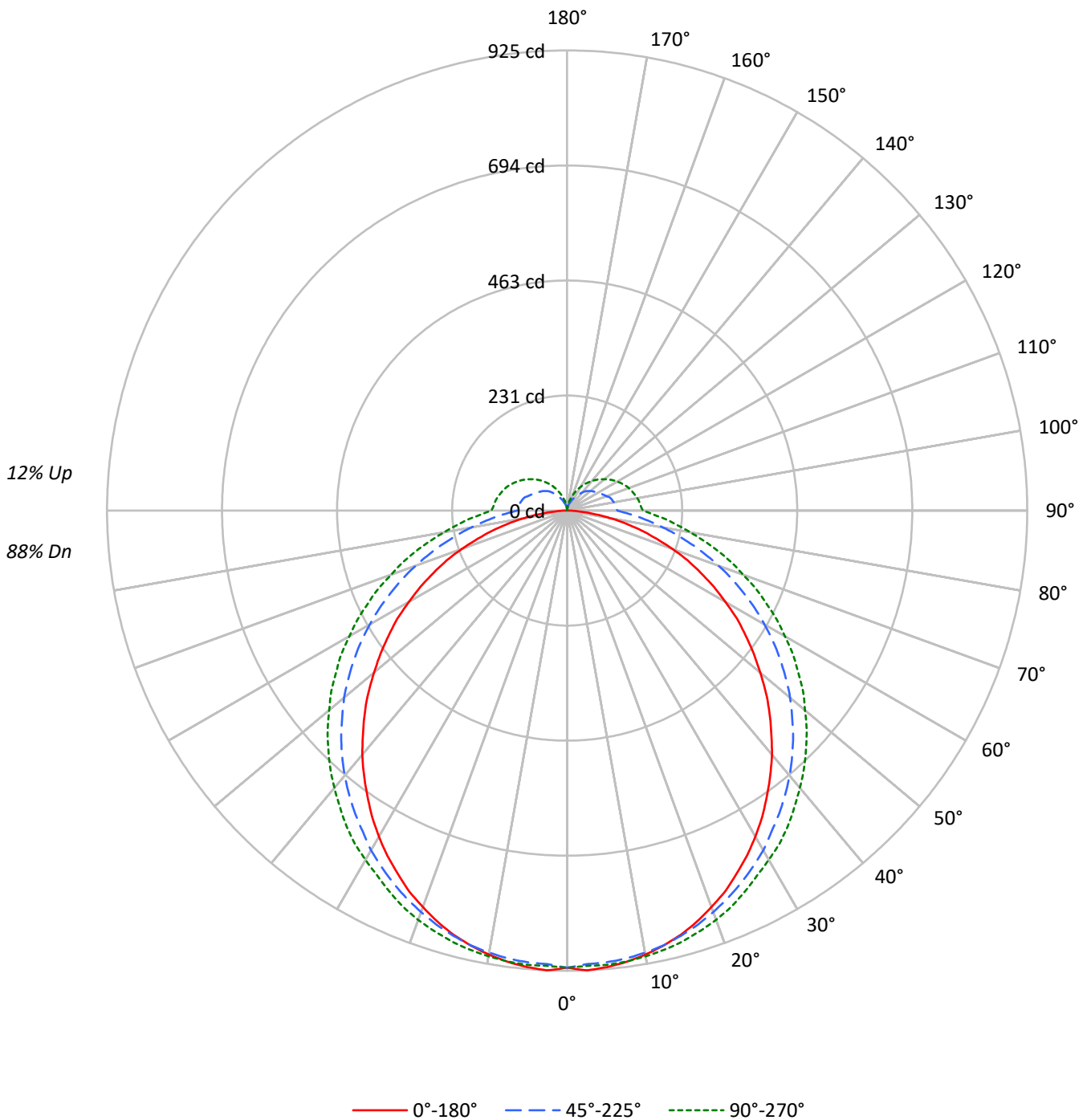
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3308.1 lumens  
Efficiency: N/A  
Efficacy: 120.1 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	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°	19780	19780	19780
5°	19761	18824	18716
10°	19527	18039	17796
15°	19241	17266	16956
20°	18855	16491	16146
25°	18418	15740	15315
30°	17949	15006	14550
35°	17387	14243	13864
40°	16829	13528	13118
45°	16173	12780	12407
50°	15428	12009	11651
55°	14688	11167	10901
60°	13831	10285	10097
65°	12805	9328	9265
70°	11519	8300	8360
75°	9777	7181	7497
80°	7442	6063	6509
85°	4301	4995	5682



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	87.2	2.6
10°-20°	250.9	7.6
20°-30°	381.7	11.5
30°-40°	464.1	14.0
40°-50°	491.0	14.8
50°-60°	460.3	13.9
60°-70°	378.7	11.4
70°-80°	262.0	7.9
80°-90°	145.7	4.4
90°-100°	96.0	2.9
100°-110°	86.1	2.6
110°-120°	71.2	2.2
120°-130°	55.1	1.7
130°-140°	39.0	1.2
140°-150°	23.5	0.7
150°-160°	11.3	0.3
160°-170°	3.7	0.1
170°-180°	0.5	0.0
0°-30°	719.9	21.8
0°-40°	1184.0	35.8
0°-60°	2135.3	64.5
0°-90°	2921.7	88.3
90°-120°	253.3	7.7
90°-150°	370.9	11.2
90°-180°	386.0	11.7
0°-180°	3308.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	919	919	919	919	919	
5°	921	919	912	919	917	87
15°	883	885	885	897	897	249
25°	806	817	826	845	845	371
35°	700	719	743	767	774	438
45°	576	606	642	671	679	444
55°	438	477	523	556	567	392
65°	296	339	391	430	442	294
75°	154	199	257	298	314	163
85°	34	84	143	182	198	39
90°	1	48	101	139	152	2
95°	1	45	98	134	147	0
105°	1	39	92	126	138	1
115°	1	34	78	112	125	1
125°	1	29	66	96	108	1
135°	1	23	56	79	88	1
145°	1	16	38	60	67	1
155°	2	11	24	38	44	1
165°	2	7	13	18	23	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°	918.8	918.8	918.8	918.8	918.8
2.5°	925.1	922.2	912.6	918.8	916.0
5°	921.1	919.4	911.5	918.8	916.6
7.5°	914.9	914.3	908.1	916.6	914.3
10°	906.4	907.5	902.4	911.5	909.8
12.5°	895.6	897.3	895.0	905.2	904.1
15°	882.6	885.4	884.8	896.7	896.7
17.5°	866.7	870.7	872.9	886.5	886.5
20°	848.0	854.3	858.8	873.5	875.8
22.5°	829.3	836.7	843.5	858.8	862.2
25°	805.5	816.9	826.5	844.6	845.2
27.5°	782.3	794.8	807.8	825.4	827.1
30°	756.8	772.7	788.5	805.5	810.6
32.5°	729.6	747.2	764.8	787.4	794.2
35°	700.2	718.9	743.2	767.0	773.8
37.5°	670.7	691.7	720.0	744.4	750.6
40°	640.7	663.9	695.6	720.6	727.9
42.5°	607.3	635.6	669.6	696.2	704.7
45°	575.5	605.6	642.4	671.3	679.2
47.5°	542.1	573.8	613.5	644.1	653.2
50°	506.4	542.7	585.2	615.8	624.3
52.5°	473.0	509.8	554.6	586.3	598.2
55°	437.9	477.0	522.9	555.7	567.0
57.5°	405.0	442.4	491.7	524.6	538.7
60°	367.6	409.0	458.3	494.0	505.3
62.5°	332.5	374.4	425.4	462.2	475.3
65°	296.3	338.8	391.4	430.0	441.9
67.5°	262.3	304.2	358.0	396.0	411.3
70°	224.9	269.1	324.0	363.1	376.1
72.5°	188.1	234.0	290.0	332.0	346.7
75°	154.1	198.8	257.2	298.0	314.4
77.5°	121.2	166.5	225.5	267.4	281.5
80°	88.4	136.0	196.0	237.4	251.0
82.5°	58.3	108.2	167.7	209.0	223.8
85°	34.0	84.4	142.8	182.4	198.3
87.5°	14.7	64.0	119.5	158.6	171.6
90°	0.6	47.6	100.8	138.8	152.4
92.5°	0.6	46.5	98.6	136.0	149.0
95°	0.6	45.3	98.0	134.3	147.3
97.5°	0.6	44.8	96.9	133.1	145.6
100°	0.6	43.1	95.2	130.9	143.3
102.5°	0.6	40.8	93.5	128.6	140.5
105°	0.6	39.1	91.8	126.3	137.7
107.5°	0.6	37.4	88.9	123.5	134.8
110°	0.6	35.7	84.4	120.7	132.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	35.1	81.0	116.7	128.6
115°	1.1	34.0	77.6	112.2	124.6
117.5°	1.1	33.4	74.8	107.6	120.7
120°	1.1	31.7	71.9	103.7	116.1
122.5°	1.1	30.0	69.1	99.7	112.2
125°	1.1	28.9	66.3	95.7	107.6
127.5°	1.1	27.2	64.0	91.8	102.5
130°	1.1	26.1	61.2	87.2	98.0
132.5°	1.1	24.4	58.3	82.7	92.9
135°	1.1	22.7	55.5	78.7	88.4
137.5°	1.1	20.4	52.1	74.2	83.3
140°	1.1	18.7	47.6	69.7	78.2
142.5°	1.1	17.6	43.1	64.6	72.5
145°	1.1	16.4	38.5	59.5	66.8
147.5°	1.1	15.3	34.6	54.4	61.2
150°	1.1	13.6	30.6	49.9	55.5
152.5°	1.7	12.5	27.2	44.2	49.9
155°	1.7	11.3	23.8	38.0	44.2
157.5°	1.7	10.2	20.4	31.7	38.5
160°	1.7	9.1	17.6	26.1	32.9
162.5°	1.7	8.5	15.3	21.5	27.8
165°	1.7	7.4	13.0	17.6	22.7
167.5°	1.7	5.7	10.8	13.6	18.7
170°	1.7	4.5	8.5	9.6	14.2
172.5°	1.7	3.4	6.2	6.8	7.4
175°	1.7	2.8	4.0	4.0	2.3
177.5°	1.7	2.3	2.3	2.3	1.1
180°	1.1	1.1	1.1	1.1	1.1

(END OF REPORT)