

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: P565725

Luminaire Tested: **2SNX-40HL-SLW-UNV-L850-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565725  
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-L850-CD  
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

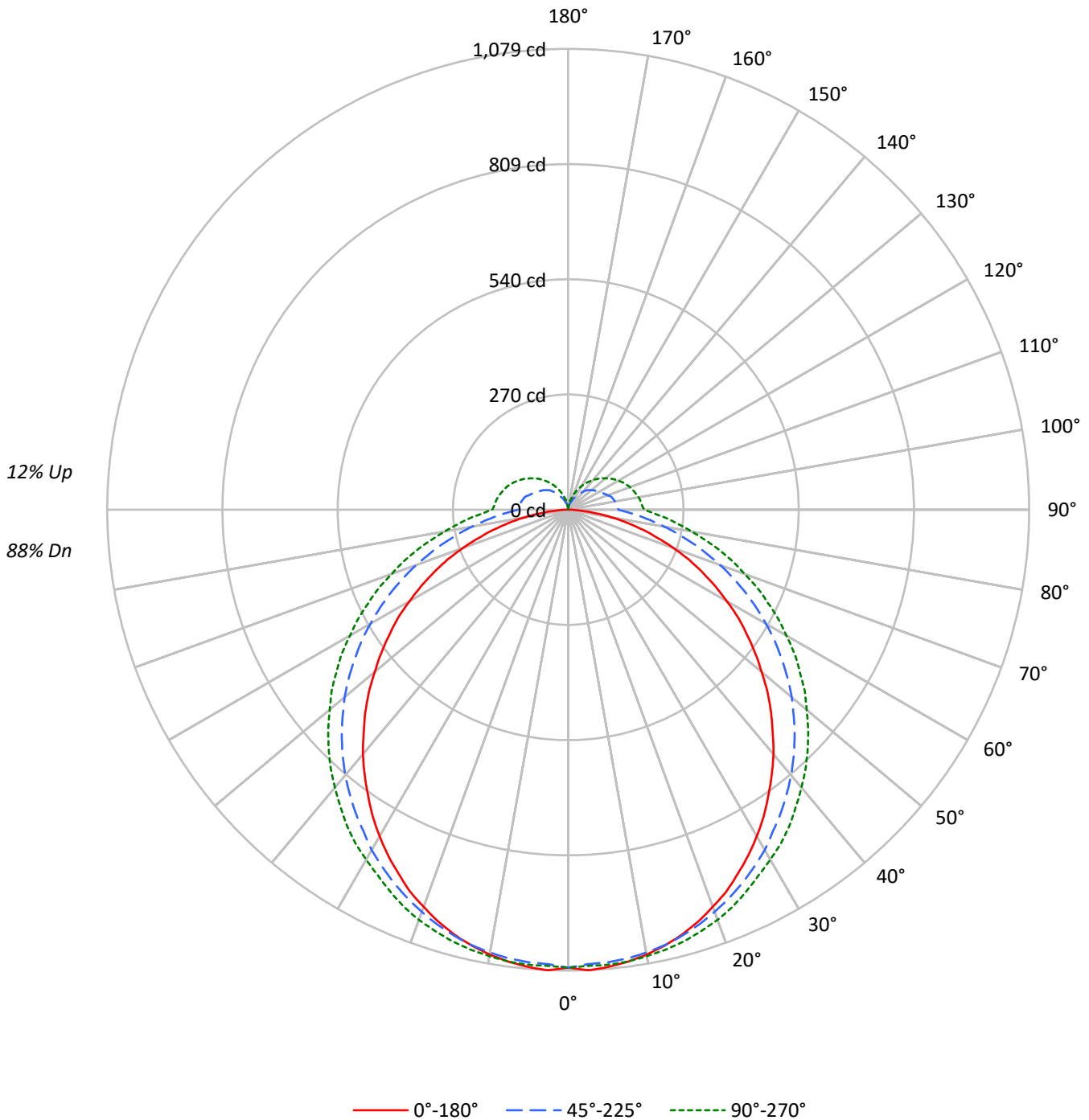
Lumens per Lamp: N/A  
Luminaire Lumens: 3860.0 lumens  
Efficiency: N/A  
Efficacy: 140.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')  
CIE Type: Semi-Direct

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°	23082	23082	23082
5°	23142	22465	22460
10°	22951	21994	21923
15°	22701	21491	21416
20°	22332	20944	20887
25°	21904	20396	20285
30°	21439	19846	19731
35°	20865	19234	19253
40°	20303	18673	18669
45°	19632	18054	18116
50°	18857	17393	17479
55°	18106	16627	16847
60°	17232	15799	16117
65°	16171	14855	15341
70°	14826	13791	14447
75°	12950	12571	13630
80°	10347	11351	12591
85°	6651	10240	11921



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.8	2.6
10°-20°	292.8	7.6
20°-30°	445.4	11.5
30°-40°	541.6	14.0
40°-50°	573.0	14.8
50°-60°	537.1	13.9
60°-70°	441.9	11.4
70°-80°	305.7	7.9
80°-90°	170.0	4.4
90°-100°	112.0	2.9
100°-110°	100.4	2.6
110°-120°	83.1	2.2
120°-130°	64.2	1.7
130°-140°	45.5	1.2
140°-150°	27.4	0.7
150°-160°	13.2	0.3
160°-170°	4.3	0.1
170°-180°	0.5	0.0
0°-30°	840.0	21.8
0°-40°	1381.6	35.8
0°-60°	2491.6	64.6
0°-90°	3409.2	88.3
90°-120°	295.6	7.7
90°-150°	432.7	11.2
90°-180°	451.0	11.7
0°-180°	3860.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1072	1072	1072	1072	1072	
5°	1075	1073	1064	1072	1070	102
15°	1030	1033	1032	1046	1046	290
25°	940	953	964	986	986	433
35°	817	839	867	895	903	511
45°	672	707	750	783	793	518
55°	511	557	610	648	662	457
65°	346	395	457	502	516	343
75°	180	232	300	348	367	191
85°	40	98	167	213	231	46
90°	1	56	118	162	178	3
95°	1	53	114	157	172	1
105°	1	46	107	147	161	1
115°	1	40	91	131	145	1
125°	1	34	77	112	126	1
135°	1	26	65	92	103	1
145°	1	19	45	69	78	1
155°	2	13	28	44	52	1
165°	2	9	15	20	26	1
175°	2	3	5	5	3	0
180°	1	1	1	1	1	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1072.2	1072.2	1072.2	1072.2	1072.2
2.5°	1079.4	1076.1	1064.9	1072.2	1068.9
5°	1074.8	1072.8	1063.6	1072.2	1069.5
7.5°	1067.5	1066.9	1059.6	1069.5	1066.9
10°	1057.6	1058.9	1053.0	1063.6	1061.6
12.5°	1045.1	1047.0	1044.4	1056.3	1055.0
15°	1029.9	1033.2	1032.5	1046.4	1046.4
17.5°	1011.3	1016.0	1018.6	1034.5	1034.5
20°	989.5	996.8	1002.1	1019.3	1021.9
22.5°	967.7	976.3	984.2	1002.1	1006.1
25°	940.0	953.2	964.4	985.6	986.2
27.5°	912.9	927.4	942.6	963.1	965.1
30°	883.1	901.6	920.1	940.0	945.9
32.5°	851.4	871.9	892.4	918.8	926.7
35°	817.0	838.8	867.2	895.0	902.9
37.5°	782.6	807.1	840.1	868.6	875.8
40°	747.6	774.7	811.7	840.8	849.4
42.5°	708.6	741.7	781.3	812.4	822.3
45°	671.6	706.6	749.6	783.3	792.6
47.5°	632.6	669.6	715.9	751.6	762.1
50°	590.9	633.2	682.8	718.5	728.4
52.5°	551.9	594.9	647.1	684.1	698.0
55°	511.0	556.6	610.1	648.5	661.7
57.5°	472.6	516.2	573.8	612.1	628.6
60°	429.0	477.2	534.8	576.4	589.6
62.5°	388.0	436.9	496.4	539.4	554.6
65°	345.7	395.3	456.8	501.7	515.6
67.5°	306.0	355.0	417.8	462.0	479.9
70°	262.4	314.0	378.1	423.7	438.9
72.5°	219.5	273.0	338.4	387.4	404.5
75°	179.8	232.0	300.1	347.7	366.9
77.5°	141.5	194.3	263.1	312.0	328.5
80°	103.1	158.6	228.7	277.0	292.8
82.5°	68.1	126.3	195.7	243.9	261.1
85°	39.7	98.5	166.6	212.8	231.4
87.5°	17.2	74.7	139.5	185.1	200.3
90°	0.7	55.5	117.7	161.9	177.8
92.5°	0.7	54.2	115.0	158.6	173.8
95°	0.7	52.9	114.4	156.7	171.9
97.5°	0.7	52.2	113.0	155.3	169.9
100°	0.7	50.2	111.0	152.7	167.2
102.5°	0.7	47.6	109.1	150.0	163.9
105°	0.7	45.6	107.1	147.4	160.6
107.5°	0.7	43.6	103.8	144.1	157.3
110°	0.7	41.6	98.5	140.8	154.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	41.0	94.5	136.2	150.0
115°	1.3	39.7	90.6	130.9	145.4
117.5°	1.3	39.0	87.3	125.6	140.8
120°	1.3	37.0	83.9	121.0	135.5
122.5°	1.3	35.0	80.6	116.3	130.9
125°	1.3	33.7	77.3	111.7	125.6
127.5°	1.3	31.7	74.7	107.1	119.6
130°	1.3	30.4	71.4	101.8	114.4
132.5°	1.3	28.4	68.1	96.5	108.4
135°	1.3	26.4	64.8	91.9	103.1
137.5°	1.3	23.8	60.8	86.6	97.2
140°	1.3	21.8	55.5	81.3	91.2
142.5°	1.3	20.5	50.2	75.4	84.6
145°	1.3	19.2	44.9	69.4	78.0
147.5°	1.3	17.8	40.3	63.5	71.4
150°	1.3	15.9	35.7	58.2	64.8
152.5°	2.0	14.5	31.7	51.6	58.2
155°	2.0	13.2	27.8	44.3	51.6
157.5°	2.0	11.9	23.8	37.0	44.9
160°	2.0	10.6	20.5	30.4	38.3
162.5°	2.0	9.9	17.8	25.1	32.4
165°	2.0	8.6	15.2	20.5	26.4
167.5°	2.0	6.6	12.6	15.9	21.8
170°	2.0	5.3	9.9	11.2	16.5
172.5°	2.0	4.0	7.3	7.9	8.6
175°	2.0	3.3	4.6	4.6	2.6
177.5°	2.0	2.6	2.6	2.6	1.3
180°	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)