

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: P565722

Luminaire Tested: **2SNX-40HL-SLW-UNV-L830-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565722  
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-L830-CD  
Description: 2FT 4000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND SLW LENS  
Light Source: -  
Ballast/Driver: -

**Summary**

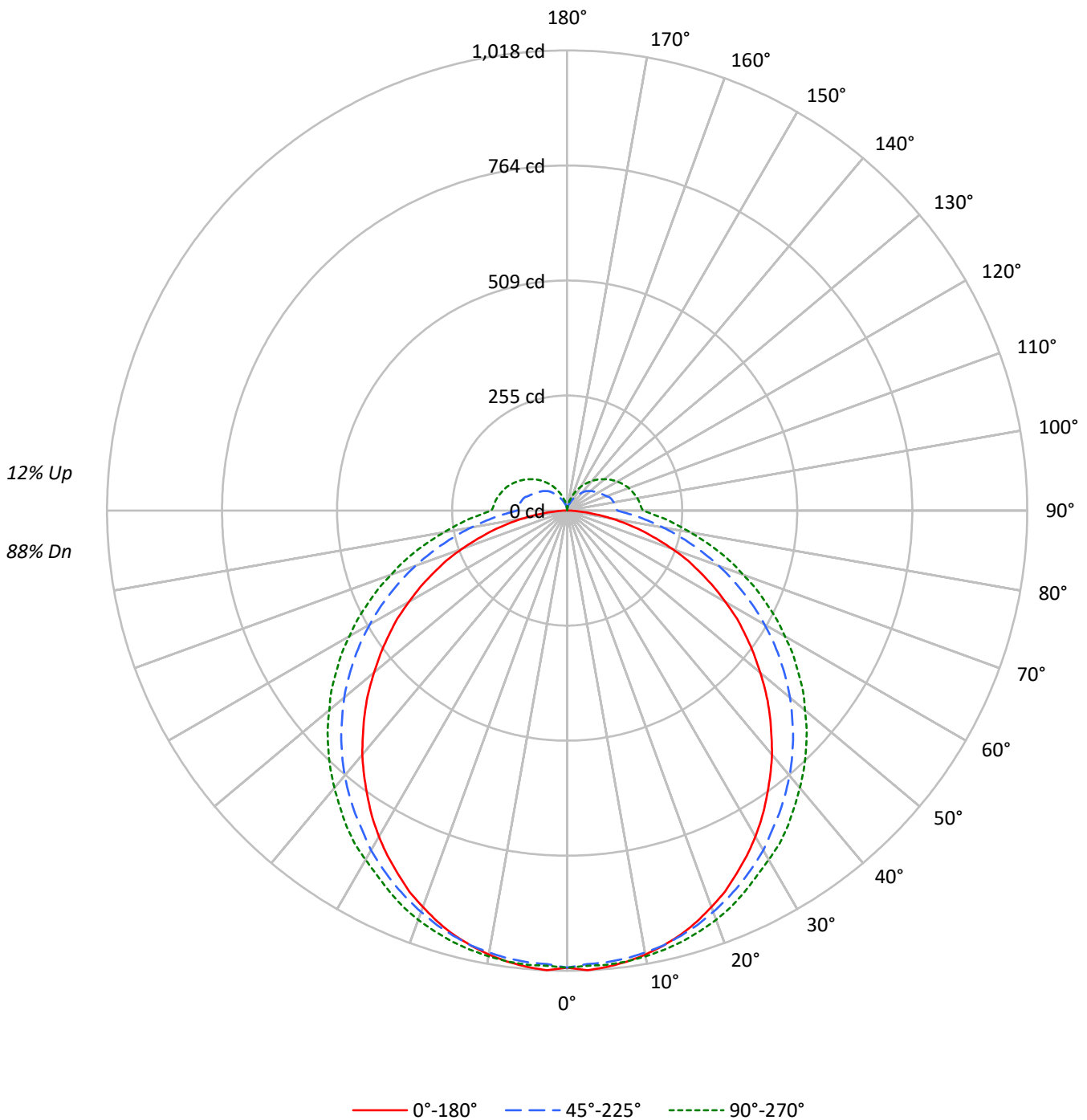
Lumens per Lamp: N/A  
Luminaire Lumens: 3640.0 lumens  
Efficiency: N/A  
Efficacy: 132.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.31 / 1.41  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.08')  
CIE Type: Semi-Direct

Input Watts (W): 27.55  
Input Voltage (V): NR  
Input Current (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	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°	21767	21767	21767
5°	21823	21183	21181
10°	21643	20741	20674
15°	21407	20267	20194
20°	21059	19751	19698
25°	20655	19233	19129
30°	20217	18716	18607
35°	19675	18138	18157
40°	19146	17610	17606
45°	18513	17025	17083
50°	17785	16402	16483
55°	17071	15679	15887
60°	16248	14898	15199
65°	15249	14007	14467
70°	13984	13004	13624
75°	12208	11855	12853
80°	9754	10706	11873
85°	6266	9656	11241



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	96.0	2.6
10°-20°	276.1	7.6
20°-30°	420.0	11.5
30°-40°	510.7	14.0
40°-50°	540.3	14.8
50°-60°	506.5	13.9
60°-70°	416.7	11.4
70°-80°	288.3	7.9
80°-90°	160.3	4.4
90°-100°	105.6	2.9
100°-110°	94.7	2.6
110°-120°	78.4	2.2
120°-130°	60.6	1.7
130°-140°	42.9	1.2
140°-150°	25.9	0.7
150°-160°	12.4	0.3
160°-170°	4.1	0.1
170°-180°	0.5	0.0
0°-30°	792.1	21.8
0°-40°	1302.8	35.8
0°-60°	2349.6	64.6
0°-90°	3214.9	88.3
90°-120°	278.7	7.7
90°-150°	408.1	11.2
90°-180°	425.0	11.7
0°-180°	3640.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1011	1011	1011	1011	1011	
5°	1014	1012	1003	1011	1009	96
15°	971	974	974	987	987	274
25°	886	899	909	929	930	409
35°	770	791	818	844	852	482
45°	633	666	707	739	747	488
55°	482	525	575	612	624	431
65°	326	373	431	473	486	323
75°	170	219	283	328	346	180
85°	37	93	157	201	218	43
90°	1	52	111	153	168	2
95°	1	50	108	148	162	0
105°	1	43	101	139	152	1
115°	1	37	85	123	137	1
125°	1	32	73	105	118	1
135°	1	25	61	87	97	1
145°	1	18	42	66	74	1
155°	2	12	26	42	49	1
165°	2	8	14	19	25	1
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°	1011.1	1011.1	1011.1	1011.1	1011.1
2.5°	1017.9	1014.8	1004.2	1011.1	1007.9
5°	1013.5	1011.7	1002.9	1011.1	1008.6
7.5°	1006.7	1006.1	999.2	1008.6	1006.1
10°	997.3	998.6	993.0	1002.9	1001.1
12.5°	985.5	987.4	984.9	996.1	994.8
15°	971.2	974.3	973.7	986.7	986.7
17.5°	953.7	958.1	960.6	975.5	975.5
20°	933.1	940.0	945.0	961.2	963.7
22.5°	912.6	920.7	928.1	945.0	948.7
25°	886.4	898.9	909.4	929.4	930.0
27.5°	860.8	874.5	888.9	908.2	910.1
30°	832.8	850.2	867.7	886.4	892.0
32.5°	802.9	822.2	841.5	866.4	873.9
35°	770.4	791.0	817.8	844.0	851.5
37.5°	738.0	761.1	792.3	819.1	825.9
40°	705.0	730.5	765.5	792.9	801.0
42.5°	668.2	699.4	736.8	766.1	775.4
45°	633.3	666.3	706.9	738.7	747.4
47.5°	596.5	631.4	675.1	708.7	718.7
50°	557.3	597.2	643.9	677.6	686.9
52.5°	520.5	561.0	610.2	645.2	658.2
55°	481.8	524.8	575.3	611.5	624.0
57.5°	445.7	486.8	541.1	577.2	592.8
60°	404.5	450.0	504.3	543.5	556.0
62.5°	365.9	412.0	468.1	508.6	523.0
65°	326.0	372.8	430.7	473.1	486.2
67.5°	288.6	334.7	393.9	435.7	452.5
70°	247.5	296.1	356.5	399.6	413.9
72.5°	206.9	257.4	319.1	365.3	381.5
75°	169.5	218.8	283.0	327.9	346.0
77.5°	133.4	183.3	248.1	294.2	309.8
80°	97.2	149.6	215.7	261.2	276.1
82.5°	64.2	119.1	184.5	230.0	246.2
85°	37.4	92.9	157.1	200.7	218.2
87.5°	16.2	70.4	131.5	174.5	188.9
90°	0.6	52.4	111.0	152.7	167.7
92.5°	0.6	51.1	108.5	149.6	163.9
95°	0.6	49.9	107.8	147.7	162.1
97.5°	0.6	49.2	106.6	146.5	160.2
100°	0.6	47.4	104.7	144.0	157.7
102.5°	0.6	44.9	102.9	141.5	154.6
105°	0.6	43.0	101.0	139.0	151.5
107.5°	0.6	41.1	97.9	135.9	148.4
110°	0.6	39.3	92.9	132.8	145.2



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.6	38.6	89.1	128.4	141.5
115°	1.2	37.4	85.4	123.4	137.1
117.5°	1.2	36.8	82.3	118.4	132.8
120°	1.2	34.9	79.2	114.1	127.8
122.5°	1.2	33.0	76.0	109.7	123.4
125°	1.2	31.8	72.9	105.3	118.4
127.5°	1.2	29.9	70.4	101.0	112.8
130°	1.2	28.7	67.3	96.0	107.8
132.5°	1.2	26.8	64.2	91.0	102.2
135°	1.2	24.9	61.1	86.6	97.2
137.5°	1.2	22.4	57.3	81.7	91.6
140°	1.2	20.6	52.4	76.7	86.0
142.5°	1.2	19.3	47.4	71.1	79.8
145°	1.2	18.1	42.4	65.5	73.6
147.5°	1.2	16.8	38.0	59.8	67.3
150°	1.2	15.0	33.7	54.9	61.1
152.5°	1.9	13.7	29.9	48.6	54.9
155°	1.9	12.5	26.2	41.8	48.6
157.5°	1.9	11.2	22.4	34.9	42.4
160°	1.9	10.0	19.3	28.7	36.2
162.5°	1.9	9.4	16.8	23.7	30.5
165°	1.9	8.1	14.3	19.3	24.9
167.5°	1.9	6.2	11.8	15.0	20.6
170°	1.9	5.0	9.4	10.6	15.6
172.5°	1.9	3.7	6.9	7.5	8.1
175°	1.9	3.1	4.4	4.4	2.5
177.5°	1.9	2.5	2.5	2.5	1.2
180°	1.2	1.2	1.2	1.2	1.2

(END OF REPORT)