

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: P565644

Luminaire Tested: **2SNX-30SL-FDL-UNV-L840-CD**

Issue Date: 9/15/2022



**Test Information**

Test Method: LM-79-08  
Report Number: P565644  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)  
Test Lab: INNOVATION CENTER  
Issue Date: 9/15/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 2SNX-30SL-FDL-UNV-L840-CD  
Description: 2FT 3000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND FDL LENS  
Light Source: -  
Ballast/Driver: -

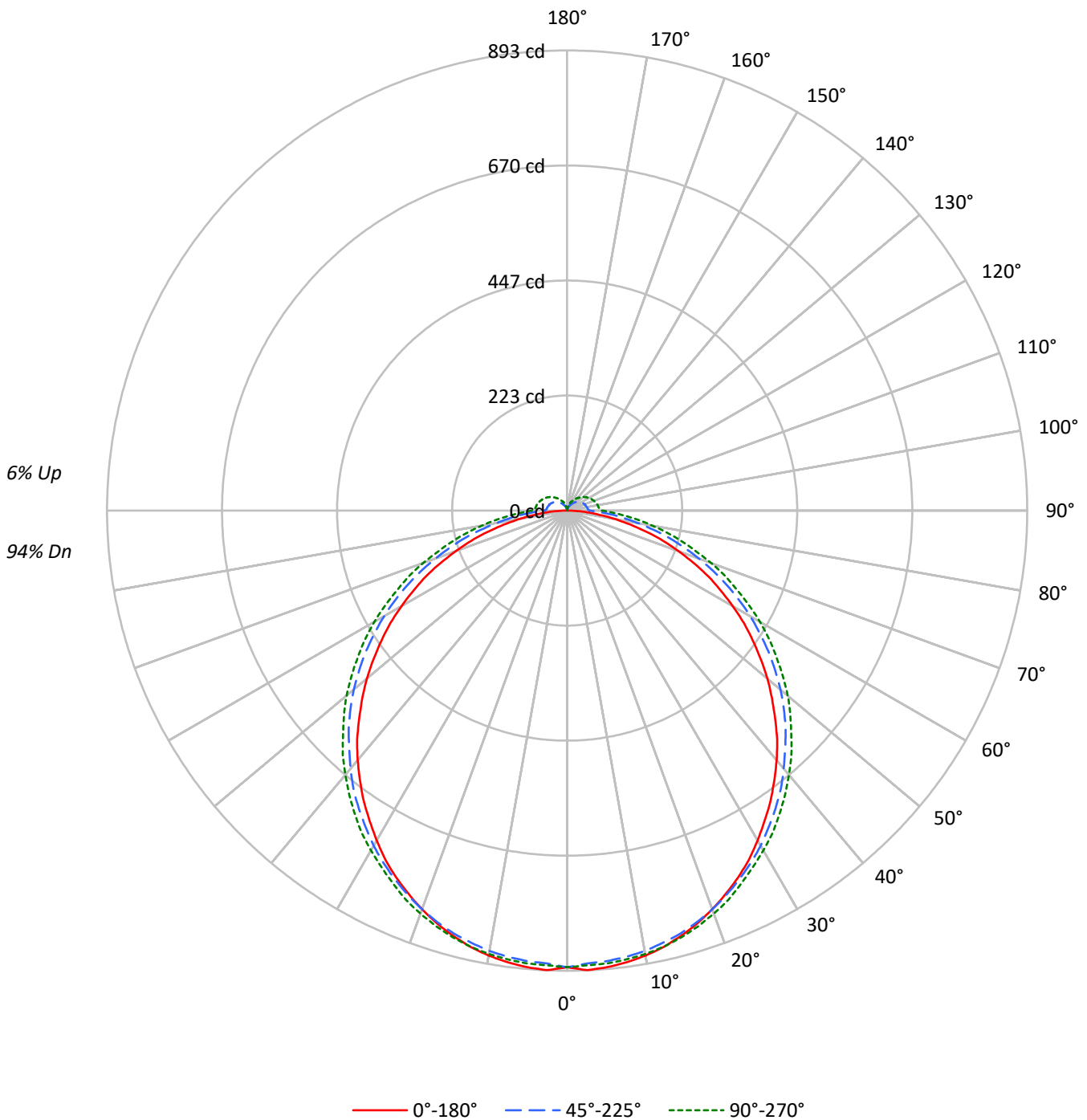
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2816.1 lumens  
Efficiency: N/A  
Efficacy: 134.1 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38  
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.04')  
CIE Type: Direct

Input Watts (W): 21  
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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	19076	19076	19076
5°	19189	18750	18790
10°	19094	18535	18554
15°	18932	18288	18288
20°	18719	17993	17977
25°	18476	17670	17608
30°	18152	17341	17268
35°	17826	16956	16912
40°	17464	16534	16511
45°	17014	16112	16046
50°	16575	15635	15619
55°	16030	15043	15028
60°	15417	14370	14443
65°	14760	13568	13641
70°	13657	12563	12810
75°	12317	11379	11815
80°	10345	9808	10713
85°	7760	8425	9412



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.0	3.0
10°-20°	241.2	8.6
20°-30°	365.5	13.0
30°-40°	441.2	15.7
40°-50°	460.7	16.4
50°-60°	423.2	15.0
60°-70°	334.7	11.9
70°-80°	211.8	7.5
80°-90°	91.1	3.2
90°-100°	40.1	1.4
100°-110°	35.9	1.3
110°-120°	30.3	1.1
120°-130°	23.6	0.8
130°-140°	16.3	0.6
140°-150°	9.8	0.3
150°-160°	4.8	0.2
160°-170°	1.7	0.1
170°-180°	0.2	0.0
0°-30°	690.6	24.5
0°-40°	1131.8	40.2
0°-60°	2015.7	71.6
0°-90°	2653.3	94.2
90°-120°	106.3	3.8
90°-150°	156.1	5.5
90°-180°	163.0	5.8
0°-180°	2816.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	886	886	886	886	886	
5°	890	887	878	885	882	84
15°	854	854	850	859	857	241
25°	785	789	790	800	799	362
35°	688	696	705	716	719	430
45°	570	584	599	611	615	441
55°	440	458	477	492	496	393
65°	303	320	342	358	364	298
75°	160	178	204	222	230	169
85°	39	60	86	104	111	43
90°	2	21	44	61	68	3
95°	0	18	40	56	62	0
105°	0	17	37	52	58	1
115°	0	14	34	47	52	1
125°	1	13	28	41	45	1
135°	1	10	23	32	36	1
145°	1	8	16	24	27	1
155°	1	5	10	16	18	0
165°	2	4	6	8	10	0
175°	2	2	2	2	2	0
180°	2	2	2	2	2	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	886.1	886.1	886.1	886.1	886.1
2.5°	892.6	889.6	879.7	886.6	883.2
5°	889.6	887.1	877.7	885.1	882.2
7.5°	884.1	882.2	873.7	881.7	878.7
10°	876.7	875.2	867.7	875.7	873.7
12.5°	867.2	866.7	859.2	868.2	866.7
15°	854.2	854.2	849.7	858.7	857.2
17.5°	840.3	840.8	837.3	846.7	845.7
20°	823.3	825.8	823.3	833.3	832.3
22.5°	804.9	808.3	807.4	817.3	817.8
25°	785.4	788.9	789.9	800.4	798.9
27.5°	764.0	769.5	771.4	780.9	780.4
30°	739.0	746.5	751.0	759.0	761.5
32.5°	713.6	722.6	728.1	739.0	742.0
35°	688.2	696.1	705.1	716.1	718.6
37.5°	660.2	669.2	681.2	691.7	694.7
40°	632.3	642.3	653.8	665.2	669.7
42.5°	603.4	613.9	626.3	639.8	644.3
45°	570.5	584.4	599.4	610.9	614.9
47.5°	539.1	554.5	570.5	582.9	587.4
50°	507.2	523.6	540.6	552.0	559.0
52.5°	473.7	491.7	508.6	523.1	527.6
55°	439.8	457.8	476.7	492.2	495.7
57.5°	406.9	424.4	443.3	457.8	464.8
60°	371.0	390.0	410.4	424.9	432.3
62.5°	336.1	354.6	376.5	392.0	397.9
65°	302.7	319.6	342.1	358.0	363.5
67.5°	265.8	285.2	306.7	325.1	332.1
70°	229.4	247.8	272.3	289.7	296.7
72.5°	195.5	213.4	237.9	255.3	261.8
75°	159.6	178.5	204.5	221.9	230.4
77.5°	125.2	146.1	171.0	190.0	199.5
80°	93.3	111.7	138.6	159.6	168.1
82.5°	63.3	83.3	111.2	130.7	140.1
85°	38.9	59.8	85.8	104.2	110.7
87.5°	18.5	38.4	62.3	80.3	88.3
90°	2.5	21.4	43.9	61.3	67.8
92.5°	0.5	18.5	40.4	56.8	62.8
95°	0.5	18.5	39.9	55.9	61.8
97.5°	0.5	18.0	39.4	55.4	60.8
100°	0.5	17.5	38.9	54.4	60.3
102.5°	0.5	17.5	37.9	53.4	58.8
105°	0.5	17.0	37.4	52.4	57.8
107.5°	0.5	16.5	36.4	51.4	56.8
110°	0.5	15.5	35.9	49.9	55.4



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	15.0	34.9	48.9	53.9
115°	0.5	14.5	33.9	47.4	52.4
117.5°	0.5	14.0	32.4	45.9	50.9
120°	1.0	14.0	31.4	44.4	48.9
122.5°	1.0	13.5	29.9	42.4	46.9
125°	1.0	13.0	28.4	40.9	45.4
127.5°	1.0	12.5	26.9	38.9	42.9
130°	1.0	11.5	25.9	36.9	40.9
132.5°	1.0	11.0	24.4	34.4	38.4
135°	1.0	10.0	22.9	32.4	36.4
137.5°	1.0	9.5	21.4	30.4	33.9
140°	1.0	9.0	19.4	28.4	31.9
142.5°	1.0	8.0	18.0	26.4	29.4
145°	1.0	7.5	16.0	24.4	26.9
147.5°	1.0	6.5	14.5	22.4	24.9
150°	1.0	6.0	13.0	20.4	22.9
152.5°	1.0	5.5	11.5	18.0	20.4
155°	1.0	5.0	10.5	15.5	18.5
157.5°	1.0	4.5	9.0	13.5	16.5
160°	1.5	4.0	8.0	11.5	14.0
162.5°	1.5	3.5	6.5	9.5	12.5
165°	1.5	3.5	5.5	7.5	10.5
167.5°	1.5	3.0	4.5	6.0	8.5
170°	1.5	2.5	4.0	4.5	6.5
172.5°	1.5	2.0	3.0	3.0	3.5
175°	1.5	2.0	2.5	2.5	1.5
177.5°	1.5	1.5	1.5	1.5	1.0
180°	1.5	1.5	1.5	1.5	1.5

(END OF REPORT)