

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: P565645

Luminaire Tested: **2SNX-30SL-FDL-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565645
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-L850-CD
Description: 2FT 3000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

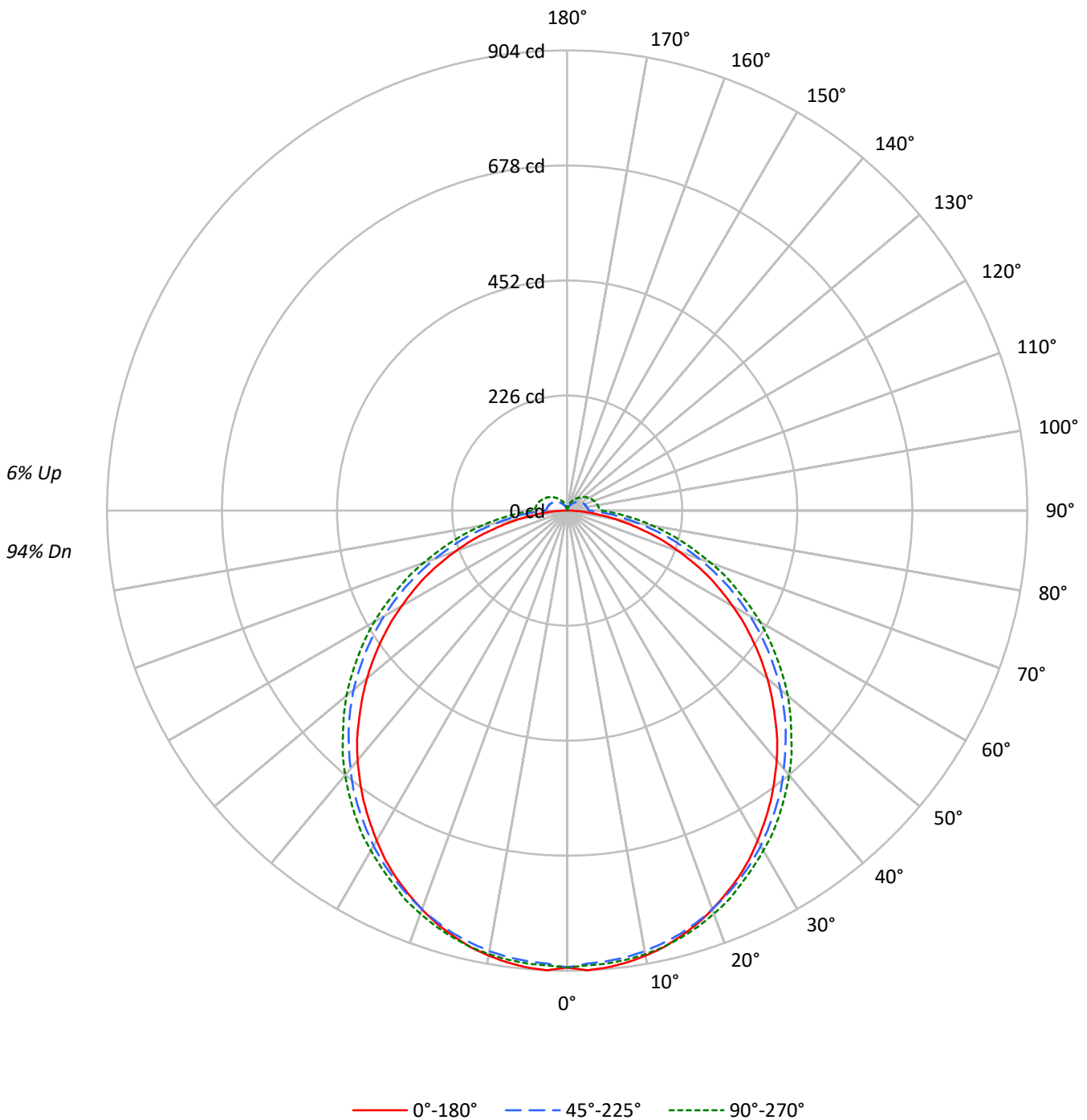
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2852.0 lumens
Efficiency: N/A
Efficacy: 135.8 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 (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	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°	19321	19321	19321
5°	19435	18989	19029
10°	19338	18772	18789
15°	19174	18522	18523
20°	18958	18223	18206
25°	18714	17896	17833
30°	18385	17563	17488
35°	18054	17173	17128
40°	17688	16744	16723
45°	17232	16319	16250
50°	16784	15835	15820
55°	16238	15236	15219
60°	15617	14556	14631
65°	14950	13743	13817
70°	13830	12725	12974
75°	12472	11524	11964
80°	10466	9935	10847
85°	7860	8533	9531



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.1	3.0
10°-20°	244.2	8.6
20°-30°	370.1	13.0
30°-40°	446.8	15.7
40°-50°	466.6	16.4
50°-60°	428.6	15.0
60°-70°	339.0	11.9
70°-80°	214.5	7.5
80°-90°	92.2	3.2
90°-100°	40.6	1.4
100°-110°	36.3	1.3
110°-120°	30.7	1.1
120°-130°	23.9	0.8
130°-140°	16.6	0.6
140°-150°	9.9	0.3
150°-160°	4.9	0.2
160°-170°	1.7	0.1
170°-180°	0.2	0.0
0°-30°	699.5	24.5
0°-40°	1146.3	40.2
0°-60°	2041.5	71.6
0°-90°	2687.2	94.2
90°-120°	107.6	3.8
90°-150°	158.0	5.5
90°-180°	165.0	5.8
0°-180°	2852.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	898	898	898	898	898	
5°	901	898	889	896	893	86
15°	865	865	861	870	868	244
25°	796	799	800	811	809	366
35°	697	705	714	725	728	436
45°	578	592	607	619	623	446
55°	446	464	483	498	502	399
65°	307	324	346	363	368	302
75°	162	181	207	225	233	171
85°	39	61	87	106	112	44
90°	2	22	44	62	69	3
95°	0	19	40	57	63	0
105°	0	17	38	53	59	1
115°	0	15	34	48	53	1
125°	1	13	29	41	46	1
135°	1	10	23	33	37	1
145°	1	8	16	25	27	1
155°	1	5	11	16	19	0
165°	2	4	6	8	11	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°	897.5	897.5	897.5	897.5	897.5
2.5°	904.0	901.0	890.9	898.0	894.4
5°	901.0	898.5	888.9	896.5	893.4
7.5°	895.5	893.4	884.8	892.9	889.9
10°	887.9	886.4	878.8	886.9	884.8
12.5°	878.3	877.8	870.2	879.3	877.8
15°	865.1	865.1	860.6	869.7	868.2
17.5°	851.0	851.5	848.0	857.6	856.6
20°	833.8	836.4	833.8	843.9	842.9
22.5°	815.1	818.7	817.7	827.8	828.3
25°	795.5	799.0	800.0	810.6	809.1
27.5°	773.7	779.3	781.3	790.9	790.4
30°	748.5	756.1	760.6	768.7	771.2
32.5°	722.7	731.8	737.4	748.5	751.5
35°	697.0	705.0	714.1	725.2	727.8
37.5°	668.7	677.8	689.9	700.5	703.5
40°	640.4	650.5	662.1	673.7	678.3
42.5°	611.1	621.7	634.3	648.0	652.5
45°	577.8	591.9	607.1	618.7	622.7
47.5°	546.0	561.6	577.8	590.4	594.9
50°	513.6	530.3	547.5	559.1	566.2
52.5°	479.8	498.0	515.1	529.8	534.3
55°	445.5	463.6	482.8	498.5	502.0
57.5°	412.1	429.8	449.0	463.6	470.7
60°	375.8	394.9	415.7	430.3	437.9
62.5°	340.4	359.1	381.3	397.0	403.0
65°	306.6	323.7	346.5	362.6	368.2
67.5°	269.2	288.9	310.6	329.3	336.4
70°	232.3	251.0	275.8	293.4	300.5
72.5°	198.0	216.2	240.9	258.6	265.2
75°	161.6	180.8	207.1	224.7	233.3
77.5°	126.8	148.0	173.2	192.4	202.0
80°	94.4	113.1	140.4	161.6	170.2
82.5°	64.1	84.3	112.6	132.3	141.9
85°	39.4	60.6	86.9	105.6	112.1
87.5°	18.7	38.9	63.1	81.3	89.4
90°	2.5	21.7	44.4	62.1	68.7
92.5°	0.5	18.7	40.9	57.6	63.6
95°	0.5	18.7	40.4	56.6	62.6
97.5°	0.5	18.2	39.9	56.1	61.6
100°	0.5	17.7	39.4	55.1	61.1
102.5°	0.5	17.7	38.4	54.0	59.6
105°	0.5	17.2	37.9	53.0	58.6
107.5°	0.5	16.7	36.9	52.0	57.6
110°	0.5	15.7	36.4	50.5	56.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	15.2	35.4	49.5	54.5
115°	0.5	14.6	34.3	48.0	53.0
117.5°	0.5	14.1	32.8	46.5	51.5
120°	1.0	14.1	31.8	44.9	49.5
122.5°	1.0	13.6	30.3	42.9	47.5
125°	1.0	13.1	28.8	41.4	46.0
127.5°	1.0	12.6	27.3	39.4	43.4
130°	1.0	11.6	26.3	37.4	41.4
132.5°	1.0	11.1	24.7	34.8	38.9
135°	1.0	10.1	23.2	32.8	36.9
137.5°	1.0	9.6	21.7	30.8	34.3
140°	1.0	9.1	19.7	28.8	32.3
142.5°	1.0	8.1	18.2	26.8	29.8
145°	1.0	7.6	16.2	24.7	27.3
147.5°	1.0	6.6	14.6	22.7	25.3
150°	1.0	6.1	13.1	20.7	23.2
152.5°	1.0	5.6	11.6	18.2	20.7
155°	1.0	5.1	10.6	15.7	18.7
157.5°	1.0	4.5	9.1	13.6	16.7
160°	1.5	4.0	8.1	11.6	14.1
162.5°	1.5	3.5	6.6	9.6	12.6
165°	1.5	3.5	5.6	7.6	10.6
167.5°	1.5	3.0	4.5	6.1	8.6
170°	1.5	2.5	4.0	4.5	6.6
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)