

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: P565642

Luminaire Tested: **2SNX-30SL-FDL-UNV-L830-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565642
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-L830-CD
Description: 2FT 3000 LUMEN, SNX FIXTURE WITH 3000K, 80CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

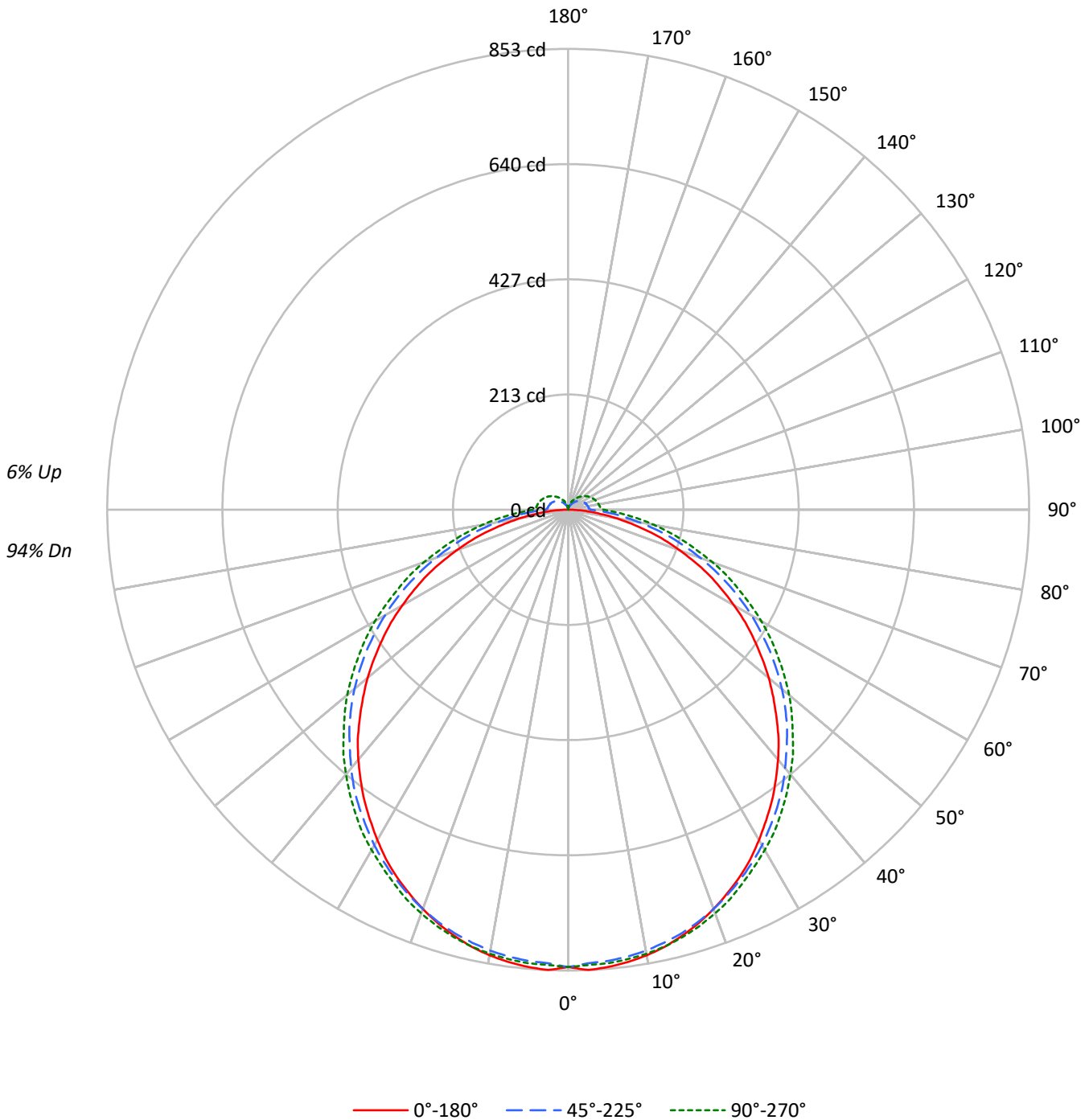
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2690.1 lumens
Efficiency: N/A
Efficacy: 128.1 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 (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

TEST NUMBER: P565642
CATALOG NUMBER: 2SNX-30SL-FDL-UNV-L830-CD

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°	18223	18223	18223
5°	18331	17910	17949
10°	18239	17706	17723
15°	18085	17470	17471
20°	17883	17189	17171
25°	17651	16881	16819
30°	17341	16565	16495
35°	17028	16199	16154
40°	16682	15793	15774
45°	16254	15392	15329
50°	15833	14935	14921
55°	15312	14371	14355
60°	14727	13726	13799
65°	14102	12962	13033
70°	13044	12000	12235
75°	11762	10867	11287
80°	9879	9369	10229
85°	7421	8042	8996



TEST NUMBER: P565642

CATALOG NUMBER: 2SNX-30SL-FDL-UNV-L830-CD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.3	3.0
10°-20°	230.4	8.6
20°-30°	349.1	13.0
30°-40°	421.4	15.7
40°-50°	440.1	16.4
50°-60°	404.3	15.0
60°-70°	319.7	11.9
70°-80°	202.3	7.5
80°-90°	87.0	3.2
90°-100°	38.3	1.4
100°-110°	34.3	1.3
110°-120°	28.9	1.1
120°-130°	22.6	0.8
130°-140°	15.6	0.6
140°-150°	9.4	0.3
150°-160°	4.6	0.2
160°-170°	1.6	0.1
170°-180°	0.2	0.0
0°-30°	659.7	24.5
0°-40°	1081.2	40.2
0°-60°	1925.6	71.6
0°-90°	2534.6	94.2
90°-120°	101.5	3.8
90°-150°	149.1	5.5
90°-180°	155.0	5.8
0°-180°	2690.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	846	846	846	846	846	
5°	850	847	838	846	843	81
15°	816	816	812	820	819	230
25°	750	754	755	765	763	346
35°	657	665	674	684	686	411
45°	545	558	573	584	587	421
55°	420	437	455	470	474	376
65°	289	305	327	342	347	285
75°	152	170	195	212	220	162
85°	37	57	82	100	106	41
90°	2	20	42	59	65	3
95°	0	18	38	53	59	0
105°	0	16	36	50	55	1
115°	0	14	32	45	50	1
125°	1	12	27	39	43	1
135°	1	10	22	31	35	1
145°	1	7	15	23	26	1
155°	1	5	10	15	18	0
165°	1	3	5	7	10	0
175°	1	2	2	2	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	846.5	846.5	846.5	846.5	846.5
2.5°	852.7	849.8	840.3	847.0	843.6
5°	849.8	847.4	838.4	845.5	842.7
7.5°	844.6	842.7	834.6	842.2	839.3
10°	837.4	836.0	828.9	836.5	834.6
12.5°	828.4	827.9	820.8	829.3	827.9
15°	816.0	816.0	811.7	820.3	818.9
17.5°	802.7	803.1	799.8	808.9	807.9
20°	786.5	788.9	786.5	796.0	795.0
22.5°	768.8	772.2	771.2	780.8	781.2
25°	750.3	753.6	754.6	764.6	763.1
27.5°	729.8	735.0	736.9	746.0	745.5
30°	706.0	713.1	717.4	725.0	727.4
32.5°	681.7	690.2	695.5	706.0	708.8
35°	657.4	665.0	673.6	684.1	686.4
37.5°	630.7	639.3	650.7	660.7	663.6
40°	604.0	613.6	624.5	635.5	639.8
42.5°	576.4	586.4	598.3	611.2	615.5
45°	545.0	558.3	572.6	583.5	587.4
47.5°	514.9	529.7	545.0	556.9	561.2
50°	484.5	500.2	516.4	527.3	534.0
52.5°	452.5	469.7	485.9	499.7	504.0
55°	420.1	437.3	455.4	470.2	473.5
57.5°	388.7	405.4	423.5	437.3	444.0
60°	354.4	372.5	392.0	405.9	413.0
62.5°	321.1	338.7	359.7	374.4	380.1
65°	289.2	305.3	326.8	342.0	347.3
67.5°	253.9	272.5	293.0	310.6	317.3
70°	219.1	236.8	260.1	276.8	283.4
72.5°	186.7	203.9	227.2	243.9	250.1
75°	152.4	170.5	195.3	212.0	220.1
77.5°	119.6	139.6	163.4	181.5	190.5
80°	89.1	106.7	132.4	152.4	160.5
82.5°	60.5	79.6	106.2	124.8	133.9
85°	37.2	57.2	81.9	99.6	105.8
87.5°	17.6	36.7	59.5	76.7	84.3
90°	2.4	20.5	41.9	58.6	64.8
92.5°	0.5	17.6	38.6	54.3	60.0
95°	0.5	17.6	38.1	53.4	59.1
97.5°	0.5	17.1	37.6	52.9	58.1
100°	0.5	16.7	37.2	51.9	57.6
102.5°	0.5	16.7	36.2	51.0	56.2
105°	0.5	16.2	35.7	50.0	55.3
107.5°	0.5	15.7	34.8	49.1	54.3
110°	0.5	14.8	34.3	47.6	52.9



TEST NUMBER: P565642

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.5	14.3	33.3	46.7	51.4
115°	0.5	13.8	32.4	45.3	50.0
117.5°	0.5	13.3	31.0	43.8	48.6
120°	1.0	13.3	30.0	42.4	46.7
122.5°	1.0	12.9	28.6	40.5	44.8
125°	1.0	12.4	27.2	39.1	43.3
127.5°	1.0	11.9	25.7	37.2	41.0
130°	1.0	11.0	24.8	35.3	39.1
132.5°	1.0	10.5	23.3	32.9	36.7
135°	1.0	9.5	21.9	31.0	34.8
137.5°	1.0	9.1	20.5	29.1	32.4
140°	1.0	8.6	18.6	27.2	30.5
142.5°	1.0	7.6	17.1	25.2	28.1
145°	1.0	7.1	15.2	23.3	25.7
147.5°	1.0	6.2	13.8	21.4	23.8
150°	1.0	5.7	12.4	19.5	21.9
152.5°	1.0	5.2	11.0	17.1	19.5
155°	1.0	4.8	10.0	14.8	17.6
157.5°	1.0	4.3	8.6	12.9	15.7
160°	1.4	3.8	7.6	11.0	13.3
162.5°	1.4	3.3	6.2	9.1	11.9
165°	1.4	3.3	5.2	7.1	10.0
167.5°	1.4	2.9	4.3	5.7	8.1
170°	1.4	2.4	3.8	4.3	6.2
172.5°	1.4	1.9	2.9	2.9	3.3
175°	1.4	1.9	2.4	2.4	1.4
177.5°	1.4	1.4	1.4	1.4	1.0
180°	1.4	1.4	1.4	1.4	1.4

(END OF REPORT)