

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: P565653

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565653
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-1)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2SNX-30SL-LC-UNV-L850-CD
Description: 2FT 3000 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

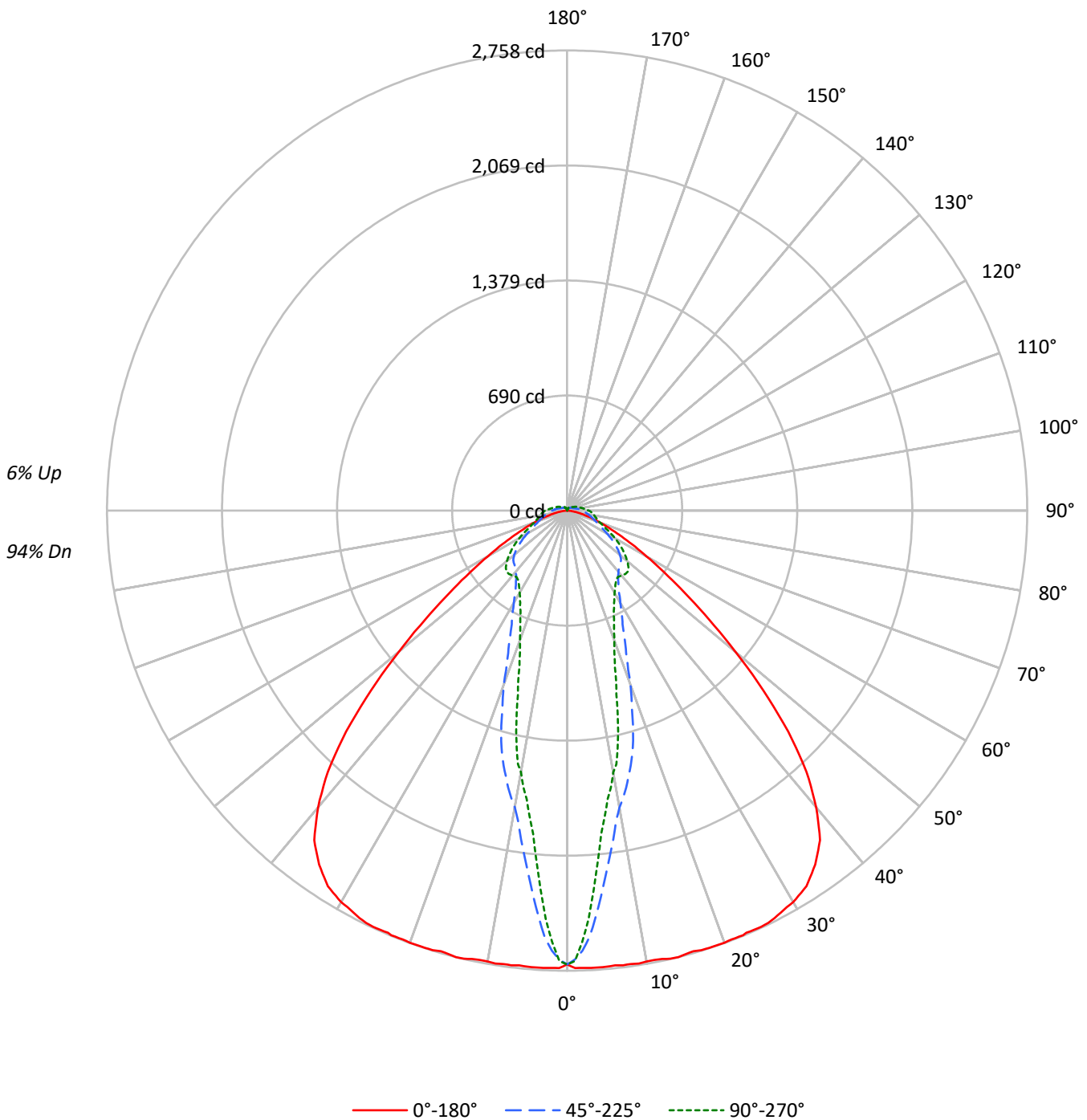
Lumens per Lamp: N/A
Luminaire Lumens: 3353.0 lumens
Efficiency: N/A
Efficacy: 159.7 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 0.43 / 0.61
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 2' x H: 0.17')
CIE Type: Direct

Input Watts (W): 21
Input Voltage (V): NR
Input Current (A_{in}): 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	50	30	10	0	
RCR																						
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94				
1	108	103	99	96	105	101	97	94	95	92	90	90	88	86	86	84	82	80				
2	99	92	86	80	96	89	84	79	85	80	76	81	77	74	77	74	71	69				
3	92	82	75	69	89	80	73	68	76	71	66	73	68	64	70	66	62	60				
4	85	74	66	60	82	72	65	59	69	63	58	66	61	56	63	59	55	53				
5	79	67	59	53	76	66	58	52	63	56	51	60	55	50	58	53	49	47				
6	73	61	53	47	71	60	52	47	58	51	46	56	50	45	53	48	44	42				
7	69	56	48	43	67	55	48	42	53	46	42	51	45	41	50	44	40	38				
8	64	52	44	39	63	51	44	39	49	43	38	48	42	37	46	41	37	35				
9	61	48	41	36	59	47	40	35	46	39	35	44	39	34	43	38	34	32				
10	57	45	38	33	56	44	37	33	43	37	32	42	36	32	40	35	31	30				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	58558	58558	58558
5°	58873	47978	43052
10°	59119	36137	31158
15°	59973	29474	21576
20°	61284	21282	15237
25°	62942	15216	11988
30°	64269	12132	10210
35°	64344	10241	9143
40°	61021	9290	9166
45°	52637	8956	9417
50°	40099	8498	8787
55°	28818	7413	7796
60°	20690	6169	6592
65°	14853	5200	5403
70°	10735	4578	4659
75°	7410	4221	4342
80°	4630	3935	4279
85°	1961	3725	4284



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	213.9	6.4
10°-20°	464.5	13.9
20°-30°	531.7	15.9
30°-40°	532.7	15.9
40°-50°	504.2	15.0
50°-60°	386.7	11.5
60°-70°	249.3	7.4
70°-80°	159.0	4.7
80°-90°	105.6	3.1
90°-100°	71.0	2.1
100°-110°	46.8	1.4
110°-120°	32.5	1.0
120°-130°	22.7	0.7
130°-140°	15.7	0.5
140°-150°	9.6	0.3
150°-160°	4.9	0.1
160°-170°	1.9	0.1
170°-180°	0.4	0.0
0°-30°	1210.2	36.1
0°-40°	1742.8	52.0
0°-60°	2633.8	78.6
0°-90°	3147.6	93.9
90°-120°	150.2	4.5
90°-150°	198.3	5.9
90°-180°	205.0	6.1
0°-180°	3353.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2720	2720	2720	2720	2720	
5°	2744	2593	2323	2167	2108	262
15°	2751	1981	1510	1241	1141	780
25°	2753	1402	799	694	662	1269
35°	2591	780	534	517	510	1608
45°	1873	493	450	498	516	1424
55°	859	352	347	390	406	790
65°	344	222	218	249	258	354
75°	117	120	151	174	182	128
85°	16	55	106	139	150	21
90°	0	38	89	124	129	1
95°	0	28	74	101	106	0
105°	0	21	48	69	74	1
115°	2	17	36	50	53	2
125°	2	16	31	36	38	2
135°	2	12	24	29	31	1
145°	2	9	17	22	24	1
155°	2	5	10	16	17	1
165°	3	3	7	9	10	1
175°	3	3	3	3	2	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2720.1	2720.1	2720.1	2720.1	2720.1
1°	2742.5	2727.0	2690.9	2701.2	2699.5
2°	2742.5	2709.8	2639.4	2618.7	2587.8
3°	2744.2	2680.6	2560.3	2493.3	2450.3
4°	2744.2	2637.6	2443.5	2331.8	2276.8
5°	2744.2	2593.0	2323.2	2166.8	2108.4
6°	2740.7	2539.7	2201.2	2036.2	1948.6
7°	2745.9	2481.3	2091.2	1914.2	1845.5
8°	2744.2	2412.5	1989.8	1821.4	1745.8
9°	2749.3	2345.5	1879.9	1733.8	1677.1
10°	2744.2	2283.7	1807.7	1651.3	1592.9
11°	2744.2	2223.5	1756.1	1598.0	1548.2
12°	2747.6	2154.8	1699.4	1522.4	1453.7
13°	2756.2	2084.3	1634.1	1440.0	1359.2
14°	2757.9	2031.1	1574.0	1335.1	1250.9
15°	2751.0	1981.2	1510.4	1240.6	1141.0
16°	2747.6	1929.7	1434.8	1151.3	1061.9
17°	2754.5	1869.5	1348.9	1060.2	977.7
18°	2756.2	1814.6	1257.8	991.5	919.3
19°	2756.2	1771.6	1183.9	927.9	866.0
20°	2756.2	1730.4	1108.3	879.8	826.5
21°	2752.8	1678.8	1022.4	830.0	785.3
22.5°	2754.5	1582.6	924.5	771.5	735.4
23°	2749.3	1558.5	900.4	756.1	718.3
24°	2751.0	1489.8	848.9	725.1	689.1
25°	2752.8	1402.2	799.0	694.2	661.6
26°	2749.3	1331.7	757.8	665.0	642.7
27°	2740.7	1275.0	728.6	640.9	620.3
28°	2728.7	1199.4	697.6	620.3	601.4
29°	2716.7	1113.5	666.7	598.0	584.2
30°	2709.8	1044.7	637.5	580.8	568.8
32.5°	2668.6	909.0	577.4	546.4	536.1
35°	2591.2	780.1	534.4	517.2	510.3
37.5°	2489.9	680.5	501.8	498.3	500.0
40°	2323.2	601.4	477.7	493.2	508.6
42.5°	2123.9	539.6	460.5	498.3	515.5
45°	1873.0	493.2	450.2	498.3	515.5
47.5°	1594.6	455.4	438.2	481.1	498.3
50°	1316.2	421.0	414.1	455.4	470.8
52.5°	1070.5	388.3	383.2	422.7	438.2
55°	859.2	352.3	347.1	390.1	405.5
57.5°	689.1	317.9	312.7	352.3	367.7
60°	549.9	283.5	274.9	314.5	329.9
62.5°	438.2	250.9	245.7	280.1	293.8
65°	343.7	221.7	218.2	249.2	257.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	271.5	194.2	195.9	221.7	232.0
70°	209.6	168.4	178.7	202.8	209.6
72.5°	158.1	142.6	165.0	185.6	194.2
75°	116.8	120.3	151.2	173.6	182.1
77.5°	80.8	99.7	139.2	163.2	171.8
80°	55.0	80.8	127.2	154.6	165.0
82.5°	32.6	67.0	116.8	146.1	158.1
85°	15.5	55.0	106.5	139.2	149.5
87.5°	5.2	44.7	96.2	132.3	140.9
90°	0.0	37.8	89.4	123.7	128.9
92.5°	0.0	32.6	80.8	113.4	116.8
95°	0.0	27.5	73.9	101.4	106.5
97.5°	0.0	25.8	68.7	91.1	97.9
100°	0.0	24.1	61.9	82.5	89.4
102.5°	0.0	20.6	55.0	73.9	80.8
105°	0.0	20.6	48.1	68.7	73.9
107.5°	1.7	18.9	44.7	61.9	68.7
110°	1.7	18.9	39.5	58.4	63.6
112.5°	1.7	18.9	37.8	53.3	60.1
115°	1.7	17.2	36.1	49.8	53.3
117.5°	1.7	17.2	34.4	44.7	48.1
120°	1.7	15.5	32.6	41.2	43.0
122.5°	1.7	15.5	30.9	37.8	39.5
125°	1.7	15.5	30.9	36.1	37.8
127.5°	1.7	13.7	29.2	34.4	34.4
130°	1.7	13.7	27.5	32.6	32.6
132.5°	1.7	12.0	25.8	30.9	32.6
135°	1.7	12.0	24.1	29.2	30.9
137.5°	1.7	10.3	22.3	27.5	29.2
140°	1.7	10.3	20.6	25.8	27.5
142.5°	1.7	8.6	18.9	24.1	25.8
145°	1.7	8.6	17.2	22.3	24.1
147.5°	1.7	8.6	15.5	20.6	22.3
150°	1.7	6.9	13.7	18.9	20.6
152.5°	1.7	6.9	12.0	17.2	18.9
155°	1.7	5.2	10.3	15.5	17.2
157.5°	1.7	5.2	10.3	13.7	15.5
160°	3.4	5.2	8.6	12.0	13.7
162.5°	1.7	3.4	8.6	10.3	12.0
165°	3.4	3.4	6.9	8.6	10.3
167.5°	3.4	3.4	5.2	6.9	8.6
170°	3.4	3.4	5.2	5.2	6.9
172.5°	3.4	3.4	3.4	5.2	3.4
175°	3.4	3.4	3.4	3.4	1.7
177.5°	3.4	3.4	3.4	3.4	1.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	3.4	3.4	3.4	3.4	3.4

(END OF REPORT)