

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: P565656

Luminaire Tested: **2SNX-30SL-LC-UNV-L940-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565656
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-L940-CD
Description: 2FT 3000 LUMEN, SNX FIXTURE WITH 4000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

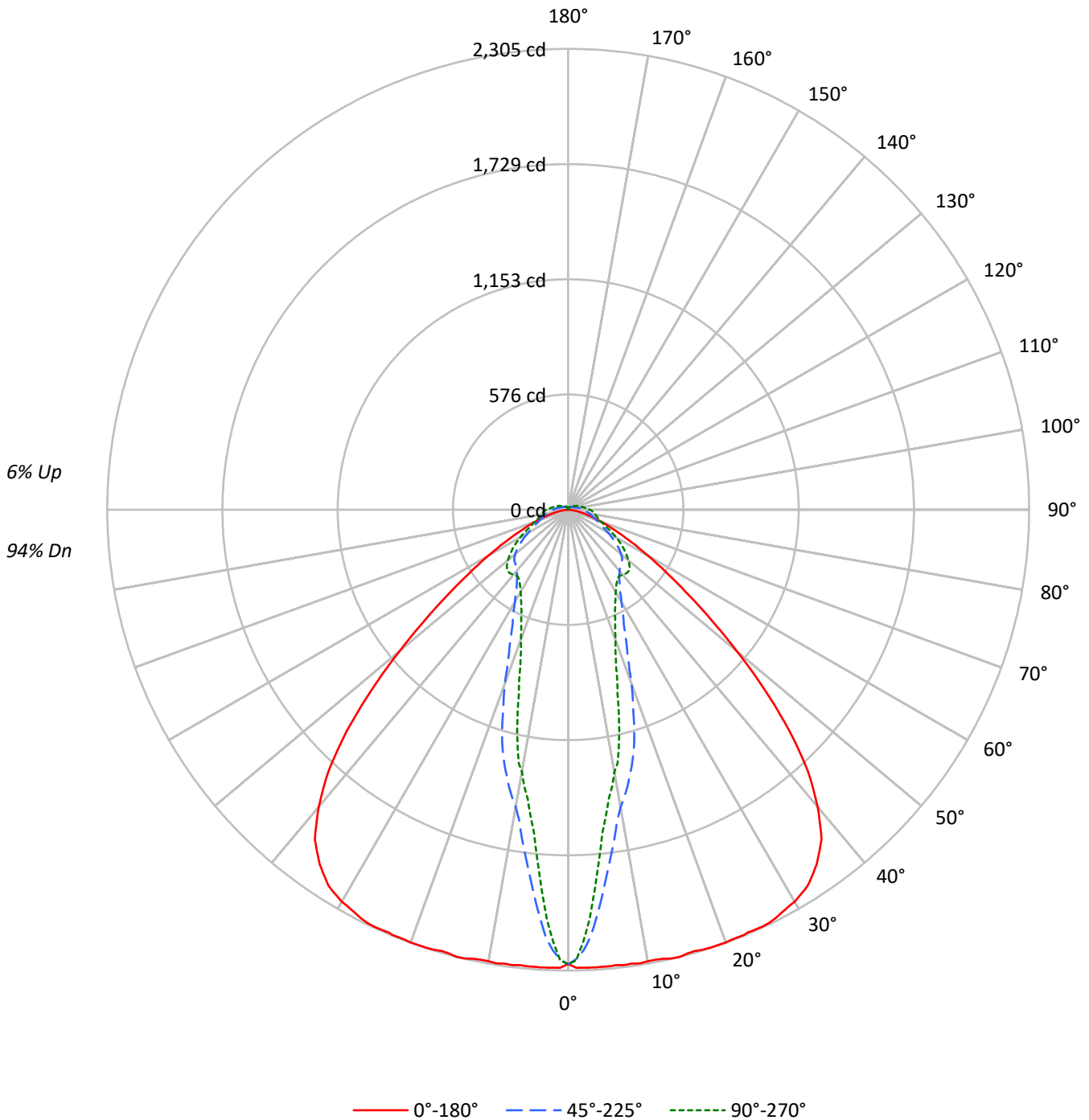
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2802.0 lumens
Efficiency: N/A
Efficacy: 133.4 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°	48935	48935	48935
5°	49198	40093	35976
10°	49403	30198	26037
15°	50119	24631	18030
20°	51214	17786	12734
25°	52598	12716	10017
30°	53707	10138	8531
35°	53770	8559	7642
40°	50993	7764	7659
45°	43987	7484	7869
50°	33509	7102	7344
55°	24082	6196	6516
60°	17289	5157	5509
65°	12412	4347	4516
70°	8973	3825	3894
75°	6192	3529	3629
80°	3873	3288	3576
85°	1632	3113	3579



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.8	6.4
10°-20°	388.2	13.9
20°-30°	444.3	15.9
30°-40°	445.1	15.9
40°-50°	421.4	15.0
50°-60°	323.2	11.5
60°-70°	208.3	7.4
70°-80°	132.8	4.7
80°-90°	88.2	3.1
90°-100°	59.3	2.1
100°-110°	39.1	1.4
110°-120°	27.2	1.0
120°-130°	18.9	0.7
130°-140°	13.2	0.5
140°-150°	8.1	0.3
150°-160°	4.1	0.1
160°-170°	1.6	0.1
170°-180°	0.3	0.0
0°-30°	1011.3	36.1
0°-40°	1456.4	52.0
0°-60°	2201.0	78.6
0°-90°	2630.3	93.9
90°-120°	125.5	4.5
90°-150°	165.7	5.9
90°-180°	172.0	6.1
0°-180°	2802.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2273	2273	2273	2273	2273	
5°	2293	2167	1941	1811	1762	219
15°	2299	1656	1262	1037	954	652
25°	2300	1172	668	580	553	1060
35°	2165	652	447	432	426	1344
45°	1565	412	376	416	431	1190
55°	718	294	290	326	339	660
65°	287	185	182	208	215	295
75°	98	100	126	145	152	107
85°	13	46	89	116	125	18
90°	0	32	75	103	108	1
95°	0	23	62	85	89	0
105°	0	17	40	57	62	1
115°	1	14	30	42	44	1
125°	1	13	26	30	32	1
135°	1	10	20	24	26	1
145°	1	7	14	19	20	1
155°	1	4	9	13	14	1
165°	3	3	6	7	9	1
175°	3	3	3	3	1	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2273.1	2273.1	2273.1	2273.1	2273.1
1°	2291.8	2278.9	2248.7	2257.3	2255.9
2°	2291.8	2264.5	2205.6	2188.4	2162.5
3°	2293.2	2240.1	2139.6	2083.6	2047.7
4°	2293.2	2204.2	2041.9	1948.6	1902.6
5°	2293.2	2166.9	1941.4	1810.7	1761.9
6°	2290.3	2122.3	1839.5	1701.6	1628.4
7°	2294.7	2073.5	1747.6	1599.7	1542.2
8°	2293.2	2016.1	1662.8	1522.1	1458.9
9°	2297.5	1960.1	1570.9	1448.9	1401.5
10°	2293.2	1908.4	1510.6	1380.0	1331.1
11°	2293.2	1858.1	1467.5	1335.4	1293.8
12°	2296.1	1800.7	1420.2	1272.3	1214.8
13°	2303.3	1741.8	1365.6	1203.3	1135.8
14°	2304.7	1697.3	1315.3	1115.7	1045.4
15°	2299.0	1655.7	1262.2	1036.8	953.5
16°	2296.1	1612.6	1199.0	962.1	887.4
17°	2301.8	1562.3	1127.2	886.0	817.1
18°	2303.3	1516.4	1051.1	828.5	768.2
19°	2303.3	1480.5	989.4	775.4	723.7
20°	2303.3	1446.0	926.2	735.2	690.7
21°	2300.4	1402.9	854.4	693.6	656.2
22.5°	2301.8	1322.5	772.5	644.7	614.6
23°	2297.5	1302.4	752.4	631.8	600.2
24°	2299.0	1245.0	709.4	606.0	575.8
25°	2300.4	1171.7	667.7	580.1	552.8
26°	2297.5	1112.9	633.3	555.7	537.0
27°	2290.3	1065.5	608.8	535.6	518.4
28°	2280.3	1002.3	583.0	518.4	502.6
29°	2270.2	930.5	557.2	499.7	488.2
30°	2264.5	873.1	532.7	485.4	475.3
32.5°	2230.0	759.6	482.5	456.6	448.0
35°	2165.4	651.9	446.6	432.2	426.5
37.5°	2080.7	568.6	419.3	416.4	417.9
40°	1941.4	502.6	399.2	412.1	425.0
42.5°	1774.8	450.9	384.8	416.4	430.8
45°	1565.2	412.1	376.2	416.4	430.8
47.5°	1332.6	380.5	366.2	402.1	416.4
50°	1099.9	351.8	346.1	380.5	393.5
52.5°	894.6	324.5	320.2	353.2	366.2
55°	718.0	294.4	290.1	326.0	338.9
57.5°	575.8	265.7	261.3	294.4	307.3
60°	459.5	236.9	229.8	262.8	275.7
62.5°	366.2	209.6	205.3	234.1	245.5
65°	287.2	185.2	182.4	208.2	215.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	226.9	162.3	163.7	185.2	193.9
70°	175.2	140.7	149.3	169.4	175.2
72.5°	132.1	119.2	137.9	155.1	162.3
75°	97.6	100.5	126.4	145.0	152.2
77.5°	67.5	83.3	116.3	136.4	143.6
80°	46.0	67.5	106.3	129.2	137.9
82.5°	27.3	56.0	97.6	122.1	132.1
85°	12.9	46.0	89.0	116.3	124.9
87.5°	4.3	37.3	80.4	110.6	117.7
90°	0.0	31.6	74.7	103.4	107.7
92.5°	0.0	27.3	67.5	94.8	97.6
95°	0.0	23.0	61.7	84.7	89.0
97.5°	0.0	21.5	57.4	76.1	81.8
100°	0.0	20.1	51.7	68.9	74.7
102.5°	0.0	17.2	46.0	61.7	67.5
105°	0.0	17.2	40.2	57.4	61.7
107.5°	1.4	15.8	37.3	51.7	57.4
110°	1.4	15.8	33.0	48.8	53.1
112.5°	1.4	15.8	31.6	44.5	50.3
115°	1.4	14.4	30.2	41.6	44.5
117.5°	1.4	14.4	28.7	37.3	40.2
120°	1.4	12.9	27.3	34.5	35.9
122.5°	1.4	12.9	25.8	31.6	33.0
125°	1.4	12.9	25.8	30.2	31.6
127.5°	1.4	11.5	24.4	28.7	28.7
130°	1.4	11.5	23.0	27.3	27.3
132.5°	1.4	10.1	21.5	25.8	27.3
135°	1.4	10.1	20.1	24.4	25.8
137.5°	1.4	8.6	18.7	23.0	24.4
140°	1.4	8.6	17.2	21.5	23.0
142.5°	1.4	7.2	15.8	20.1	21.5
145°	1.4	7.2	14.4	18.7	20.1
147.5°	1.4	7.2	12.9	17.2	18.7
150°	1.4	5.7	11.5	15.8	17.2
152.5°	1.4	5.7	10.1	14.4	15.8
155°	1.4	4.3	8.6	12.9	14.4
157.5°	1.4	4.3	8.6	11.5	12.9
160°	2.9	4.3	7.2	10.1	11.5
162.5°	1.4	2.9	7.2	8.6	10.1
165°	2.9	2.9	5.7	7.2	8.6
167.5°	2.9	2.9	4.3	5.7	7.2
170°	2.9	2.9	4.3	4.3	5.7
172.5°	2.9	2.9	2.9	4.3	2.9
175°	2.9	2.9	2.9	2.9	1.4
177.5°	2.9	2.9	2.9	2.9	1.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	2.9	2.9	2.9	2.9	2.9

(END OF REPORT)