

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: P565652

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P565652
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-L840-CD
Description: 2FT 3000 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

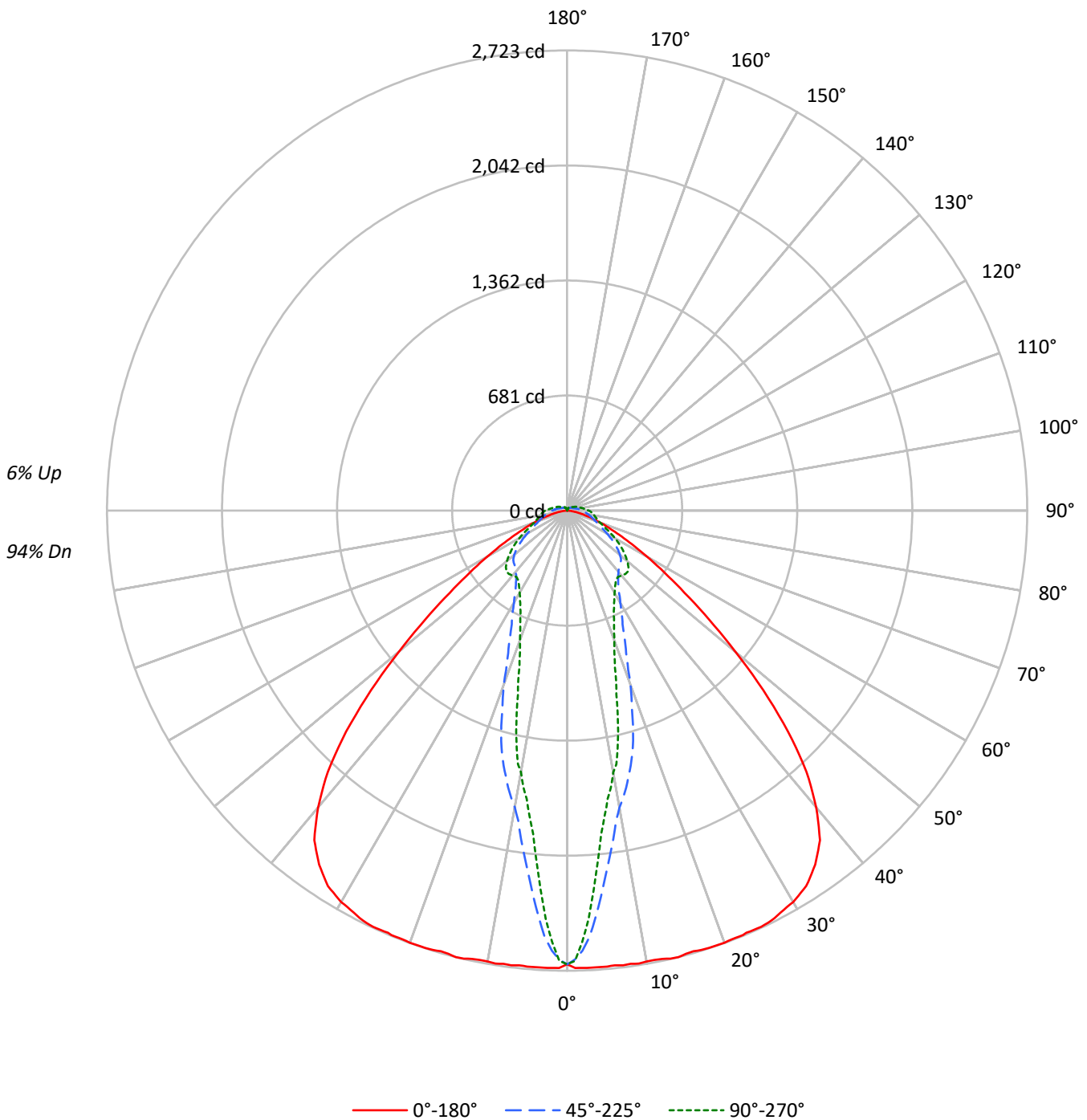
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3310.0 lumens
Efficiency: N/A
Efficacy: 157.6 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 (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	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°	57807	57807	57807
5°	58118	47363	42500
10°	58361	35673	30759
15°	59206	29096	21298
20°	60499	21010	15042
25°	62135	15022	11834
30°	63446	11976	10079
35°	63519	10109	9026
40°	60238	9172	9048
45°	51962	8841	9296
50°	39587	8389	8675
55°	28446	7319	7696
60°	20423	6091	6508
65°	14663	5134	5334
70°	10597	4519	4599
75°	7315	4168	4288
80°	4571	3882	4222
85°	1936	3680	4229



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.2	6.4
10°-20°	458.6	13.9
20°-30°	524.9	15.9
30°-40°	525.8	15.9
40°-50°	497.8	15.0
50°-60°	381.8	11.5
60°-70°	246.1	7.4
70°-80°	156.9	4.7
80°-90°	104.2	3.1
90°-100°	70.0	2.1
100°-110°	46.2	1.4
110°-120°	32.1	1.0
120°-130°	22.4	0.7
130°-140°	15.5	0.5
140°-150°	9.5	0.3
150°-160°	4.8	0.1
160°-170°	1.9	0.1
170°-180°	0.4	0.0
0°-30°	1194.6	36.1
0°-40°	1720.5	52.0
0°-60°	2600.0	78.5
0°-90°	3107.2	93.9
90°-120°	148.3	4.5
90°-150°	195.8	5.9
90°-180°	203.0	6.1
0°-180°	3310.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2685	2685	2685	2685	2685	
5°	2709	2560	2293	2139	2081	259
15°	2716	1956	1491	1225	1126	770
25°	2718	1384	789	685	653	1253
35°	2558	770	528	511	504	1587
45°	1849	487	444	492	509	1406
55°	848	348	343	385	400	780
65°	339	219	215	246	254	349
75°	115	119	149	171	180	127
85°	15	54	105	137	148	21
90°	0	37	88	122	127	1
95°	0	27	73	100	105	0
105°	0	20	48	68	73	1
115°	2	17	36	49	53	2
125°	2	15	30	36	37	2
135°	2	12	24	29	30	1
145°	2	8	17	22	24	1
155°	2	5	10	15	17	1
165°	3	3	7	8	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°	2685.2	2685.2	2685.2	2685.2	2685.2
1°	2707.3	2692.0	2656.4	2666.6	2664.9
2°	2707.3	2675.1	2605.5	2585.2	2554.6
3°	2709.0	2646.2	2527.5	2461.3	2418.9
4°	2709.0	2603.8	2412.1	2301.9	2247.6
5°	2709.0	2559.7	2293.4	2139.0	2081.4
6°	2705.6	2507.1	2173.0	2010.1	1923.6
7°	2710.7	2449.4	2064.4	1889.7	1821.8
8°	2709.0	2381.6	1964.3	1798.1	1723.4
9°	2714.1	2315.4	1855.7	1711.6	1655.6
10°	2709.0	2254.4	1784.5	1630.1	1572.5
11°	2709.0	2195.0	1733.6	1577.6	1528.4
12°	2712.4	2127.2	1677.6	1502.9	1435.1
13°	2720.9	2057.6	1613.2	1421.5	1341.8
14°	2722.6	2005.0	1553.8	1318.0	1234.9
15°	2715.8	1955.8	1491.0	1224.7	1126.3
16°	2712.4	1904.9	1416.4	1136.5	1048.3
17°	2719.2	1845.6	1331.6	1046.6	965.2
18°	2720.9	1791.3	1241.7	978.8	907.5
19°	2720.9	1748.9	1168.7	916.0	854.9
20°	2720.9	1708.2	1094.1	868.5	815.9
21°	2717.5	1657.3	1009.3	819.3	775.2
22.5°	2719.2	1562.3	912.6	761.6	726.0
23°	2714.1	1538.5	888.9	746.4	709.1
24°	2715.8	1470.7	838.0	715.8	680.2
25°	2717.5	1384.2	788.8	685.3	653.1
26°	2714.1	1314.6	748.1	656.5	634.4
27°	2705.6	1258.6	719.2	632.7	612.4
28°	2693.7	1184.0	688.7	612.4	593.7
29°	2681.8	1099.2	658.2	590.3	576.7
30°	2675.1	1031.3	629.3	573.3	561.5
32.5°	2634.3	897.3	570.0	539.4	529.2
35°	2558.0	770.1	527.5	510.6	503.8
37.5°	2457.9	671.7	495.3	491.9	493.6
40°	2293.4	593.7	471.6	486.8	502.1
42.5°	2096.6	532.6	454.6	491.9	508.9
45°	1849.0	486.8	444.4	491.9	508.9
47.5°	1574.2	449.5	432.6	475.0	491.9
50°	1299.4	415.6	408.8	449.5	464.8
52.5°	1056.8	383.4	378.3	417.3	432.6
55°	848.1	347.7	342.7	385.1	400.3
57.5°	680.2	313.8	308.7	347.7	363.0
60°	542.8	279.9	271.4	310.4	325.7
62.5°	432.6	247.7	242.6	276.5	290.1
65°	339.3	218.8	215.4	246.0	254.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	268.0	191.7	193.4	218.8	229.0
70°	206.9	166.2	176.4	200.2	206.9
72.5°	156.1	140.8	162.8	183.2	191.7
75°	115.3	118.7	149.3	171.3	179.8
77.5°	79.7	98.4	137.4	161.1	169.6
80°	54.3	79.7	125.5	152.7	162.8
82.5°	32.2	66.2	115.3	144.2	156.1
85°	15.3	54.3	105.2	137.4	147.6
87.5°	5.1	44.1	95.0	130.6	139.1
90°	0.0	37.3	88.2	122.1	127.2
92.5°	0.0	32.2	79.7	112.0	115.3
95°	0.0	27.1	72.9	100.1	105.2
97.5°	0.0	25.4	67.9	89.9	96.7
100°	0.0	23.7	61.1	81.4	88.2
102.5°	0.0	20.4	54.3	72.9	79.7
105°	0.0	20.4	47.5	67.9	72.9
107.5°	1.7	18.7	44.1	61.1	67.9
110°	1.7	18.7	39.0	57.7	62.8
112.5°	1.7	18.7	37.3	52.6	59.4
115°	1.7	17.0	35.6	49.2	52.6
117.5°	1.7	17.0	33.9	44.1	47.5
120°	1.7	15.3	32.2	40.7	42.4
122.5°	1.7	15.3	30.5	37.3	39.0
125°	1.7	15.3	30.5	35.6	37.3
127.5°	1.7	13.6	28.8	33.9	33.9
130°	1.7	13.6	27.1	32.2	32.2
132.5°	1.7	11.9	25.4	30.5	32.2
135°	1.7	11.9	23.7	28.8	30.5
137.5°	1.7	10.2	22.1	27.1	28.8
140°	1.7	10.2	20.4	25.4	27.1
142.5°	1.7	8.5	18.7	23.7	25.4
145°	1.7	8.5	17.0	22.1	23.7
147.5°	1.7	8.5	15.3	20.4	22.1
150°	1.7	6.8	13.6	18.7	20.4
152.5°	1.7	6.8	11.9	17.0	18.7
155°	1.7	5.1	10.2	15.3	17.0
157.5°	1.7	5.1	10.2	13.6	15.3
160°	3.4	5.1	8.5	11.9	13.6
162.5°	1.7	3.4	8.5	10.2	11.9
165°	3.4	3.4	6.8	8.5	10.2
167.5°	3.4	3.4	5.1	6.8	8.5
170°	3.4	3.4	5.1	5.1	6.8
172.5°	3.4	3.4	3.4	5.1	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)