

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: P566768

Luminaire Tested: **4SNX-74HL-LC-UNV-L840-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566768
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2205-663-3)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-74HL-LC-UNV-L840-CD
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

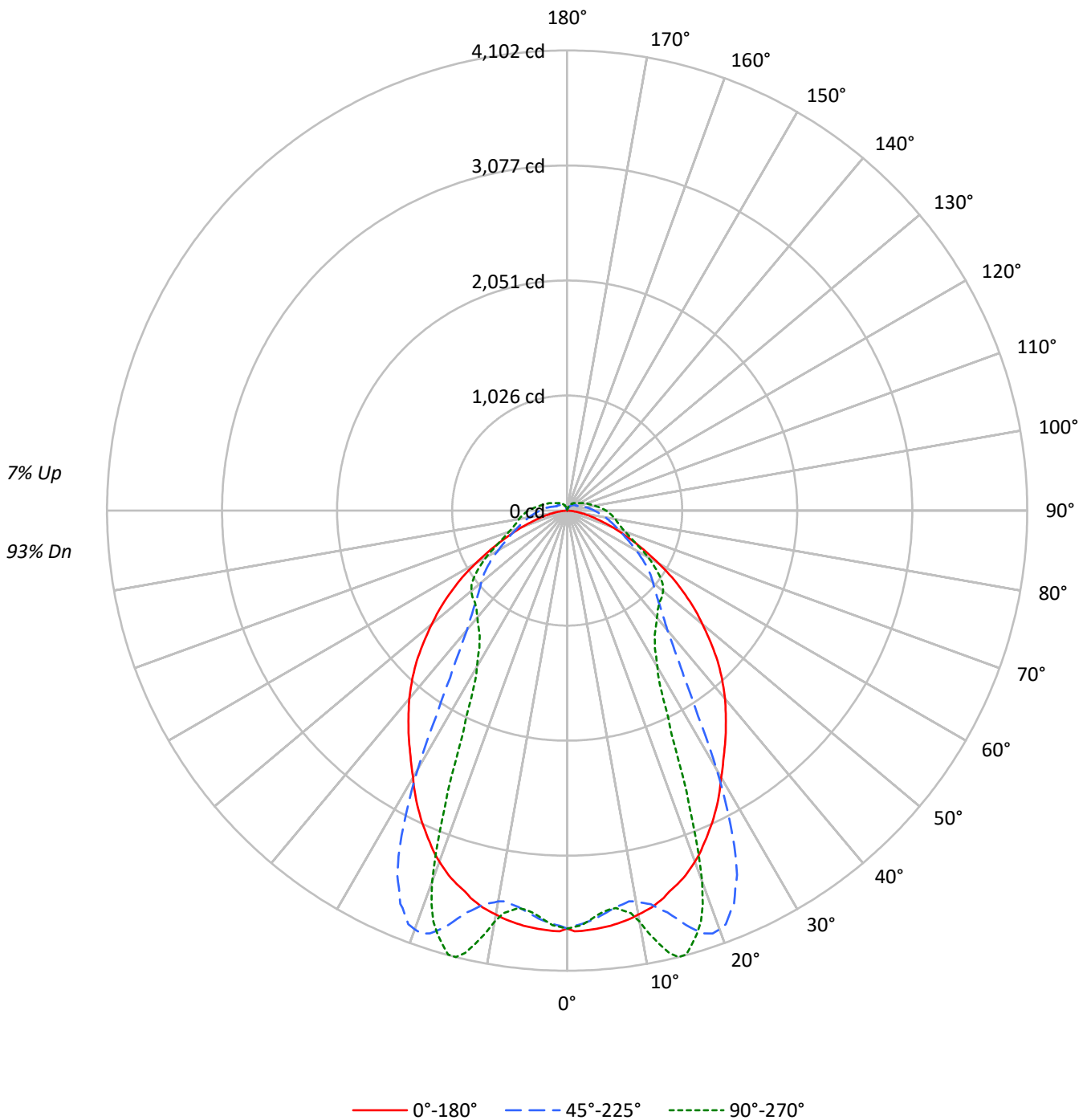
Lumens per Lamp: N/A
Luminaire Lumens: 8280.0 lumens
Efficiency: N/A
Efficacy: 159.8 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 0.89 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

Input Watts (W): 51.8
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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93				
1	107	103	99	95	104	100	96	93	94	91	89	89	87	85	85	83	81	78				
2	99	91	84	79	95	88	83	78	84	79	75	80	76	72	76	72	69	67				
3	91	81	73	67	88	79	72	66	75	69	64	71	66	62	68	64	60	58				
4	84	73	64	58	81	71	63	57	68	61	56	64	59	54	62	57	53	51				
5	78	66	57	51	75	64	56	51	61	55	49	59	53	48	56	51	47	45				
6	72	60	51	45	70	58	51	45	56	49	44	54	48	43	52	46	42	40				
7	67	55	46	41	65	54	46	40	51	45	40	49	43	39	48	42	38	36				
8	63	50	42	37	61	49	42	36	47	41	36	46	40	35	44	39	35	33				
9	59	46	39	34	57	46	38	33	44	37	33	42	36	32	41	36	32	30				
10	56	43	36	31	54	42	35	30	41	34	30	40	34	30	38	33	29	27				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	40102	40102	40102
5°	40150	37427	36707
10°	39670	35537	36400
15°	38745	36965	38750
20°	37573	38496	32432
25°	35687	34507	19941
30°	33342	25681	14432
35°	31427	17710	12174
40°	29710	13733	11220
45°	27712	11681	10611
50°	25109	10473	10417
55°	22369	9460	9637
60°	18860	8175	8336
65°	15223	7110	6957
70°	11815	6380	6126
75°	9009	5918	5712
80°	6147	5591	5654
85°	3171	5317	5615



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.7	4.2
10°-20°	1059.3	12.8
20°-30°	1426.4	17.2
30°-40°	1349.9	16.3
40°-50°	1191.5	14.4
50°-60°	967.8	11.7
60°-70°	658.2	7.9
70°-80°	423.5	5.1
80°-90°	281.6	3.4
90°-100°	193.5	2.3
100°-110°	129.9	1.6
110°-120°	91.6	1.1
120°-130°	65.5	0.8
130°-140°	46.2	0.6
140°-150°	28.7	0.3
150°-160°	14.0	0.2
160°-170°	4.9	0.1
170°-180°	0.8	0.0
0°-30°	2832.4	34.2
0°-40°	4182.3	50.5
0°-60°	6341.6	76.6
0°-90°	7704.9	93.1
90°-120°	415.1	5.0
90°-150°	555.4	6.7
90°-180°	575.0	6.9
0°-180°	8280.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3726	3726	3726	3726	3726	
5°	3729	3695	3616	3613	3595	354
15°	3516	3493	3762	4095	4098	991
25°	3063	3632	3584	2603	2201	1406
35°	2461	3454	1820	1402	1359	1540
45°	1896	2324	1152	1138	1162	1456
55°	1263	1374	865	966	1002	1128
65°	651	741	579	644	664	654
75°	250	350	408	458	479	272
85°	38	149	290	367	392	50
90°	1	104	242	325	346	2
95°	1	80	204	276	295	1
105°	2	56	134	188	211	2
115°	2	48	99	140	158	3
125°	4	40	85	106	114	4
135°	5	32	70	88	94	4
145°	5	23	49	68	75	3
155°	6	14	30	46	52	3
165°	6	9	16	23	28	2
175°	8	8	8	8	6	1
180°	6	6	6	6	6	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3725.6	3725.6	3725.6	3725.6	3725.6
1°	3750.9	3739.5	3701.6	3721.8	3711.7
2°	3749.6	3730.6	3687.7	3710.4	3697.8
3°	3743.3	3723.1	3667.4	3681.3	3662.4
4°	3737.0	3713.0	3645.9	3645.9	3624.5
5°	3729.4	3695.3	3615.6	3613.1	3595.4
6°	3720.5	3681.3	3589.1	3586.5	3576.4
7°	3707.9	3657.3	3560.0	3577.7	3570.1
8°	3692.7	3634.6	3544.8	3589.1	3600.4
9°	3678.8	3606.8	3527.1	3624.5	3633.3
10°	3656.1	3581.5	3538.5	3695.3	3721.8
11°	3637.1	3560.0	3563.8	3764.8	3844.4
12°	3618.1	3537.2	3587.8	3852.0	3949.4
13°	3586.5	3519.5	3640.9	3946.8	4046.7
14°	3558.7	3505.6	3692.7	4042.9	4102.3
15°	3515.7	3493.0	3762.3	4094.7	4098.5
16°	3486.7	3484.1	3843.2	4098.5	4027.7
17°	3453.8	3480.3	3908.9	4032.8	3949.4
18°	3417.1	3487.9	3963.3	3950.6	3854.5
19°	3375.4	3495.5	3986.0	3836.8	3713.0
20°	3329.9	3506.9	3973.4	3718.0	3518.3
21°	3284.4	3522.1	3949.4	3592.9	3262.9
22.5°	3199.7	3558.7	3835.6	3241.4	2840.7
23°	3175.7	3566.3	3809.0	3131.4	2730.7
24°	3116.2	3597.9	3687.7	2874.8	2439.9
25°	3063.2	3632.0	3584.0	2603.0	2201.0
26°	3003.7	3657.3	3427.2	2352.7	2054.3
27°	2945.6	3672.5	3249.0	2158.0	1890.0
28°	2878.6	3688.9	3055.6	1989.8	1766.1
29°	2815.4	3691.5	2864.7	1855.8	1668.7
30°	2747.1	3678.8	2663.7	1748.4	1608.1
32.5°	2597.9	3609.3	2171.9	1543.6	1456.4
35°	2461.4	3453.8	1820.4	1402.0	1359.0
37.5°	2323.6	3208.5	1573.9	1313.5	1299.6
40°	2188.3	2917.8	1388.1	1242.7	1245.2
42.5°	2045.5	2618.2	1260.4	1184.6	1195.9
45°	1896.3	2323.6	1151.7	1137.8	1161.8
47.5°	1730.7	2054.3	1065.7	1107.4	1144.1
50°	1573.9	1787.6	998.7	1078.4	1116.3
52.5°	1424.8	1568.9	938.0	1029.1	1073.3
55°	1262.9	1374.2	864.7	965.8	1002.5
57.5°	1108.7	1198.5	787.6	887.5	920.3
60°	939.3	1025.3	709.2	802.8	834.4
62.5°	786.3	877.4	642.2	718.1	743.3
65°	651.1	740.8	579.0	643.5	663.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	531.0	627.0	527.2	581.5	600.5
70°	418.4	519.6	481.7	531.0	551.2
72.5°	327.4	429.8	443.7	489.2	509.5
75°	250.3	350.2	408.3	457.6	479.1
77.5°	185.8	285.7	375.5	432.4	455.1
80°	122.6	227.6	346.4	409.6	436.1
82.5°	77.1	183.3	317.3	386.8	414.7
85°	37.9	149.2	289.5	366.6	391.9
87.5°	12.6	123.9	264.2	346.4	367.9
90°	1.3	103.7	241.5	324.9	346.4
92.5°	1.3	89.8	222.5	299.6	321.1
95°	1.3	79.6	203.5	275.6	294.6
97.5°	1.3	72.1	185.8	250.3	270.5
100°	1.3	64.5	166.9	226.3	247.8
102.5°	2.5	59.4	150.4	206.1	228.8
105°	2.5	55.6	134.0	188.4	211.1
107.5°	2.5	53.1	120.1	174.5	196.0
110°	2.5	50.6	110.0	161.8	184.6
112.5°	2.5	49.3	103.7	150.4	171.9
115°	2.5	48.0	98.6	140.3	158.0
117.5°	3.8	46.8	94.8	130.2	144.1
120°	3.8	44.2	92.3	121.4	132.7
122.5°	3.8	41.7	88.5	113.8	122.6
125°	3.8	40.5	84.7	106.2	113.8
127.5°	3.8	37.9	80.9	99.9	107.5
130°	5.1	35.4	77.1	94.8	101.1
132.5°	5.1	32.9	73.3	92.3	97.3
135°	5.1	31.6	69.5	88.5	93.6
137.5°	5.1	29.1	65.7	84.7	89.8
140°	5.1	26.5	60.7	79.6	84.7
142.5°	5.1	25.3	55.6	74.6	79.6
145°	5.1	22.8	49.3	68.3	74.6
147.5°	6.3	21.5	44.2	63.2	68.3
150°	6.3	19.0	39.2	58.2	63.2
152.5°	6.3	16.4	34.1	51.8	56.9
155°	6.3	13.9	30.3	45.5	51.8
157.5°	6.3	12.6	26.5	37.9	45.5
160°	6.3	11.4	22.8	32.9	39.2
162.5°	6.3	10.1	20.2	27.8	34.1
165°	6.3	8.8	16.4	22.8	27.8
167.5°	7.6	8.8	13.9	17.7	22.8
170°	7.6	8.8	11.4	13.9	17.7
172.5°	7.6	7.6	8.8	10.1	11.4
175°	7.6	7.6	7.6	7.6	6.3
177.5°	7.6	7.6	7.6	6.3	6.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.3	6.3	6.3	6.3	6.3

(END OF REPORT)