

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: P566769

Luminaire Tested: **4SNX-74HL-LC-UNV-L850-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566769
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-L850-CD
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 5000K, 80CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

Summary

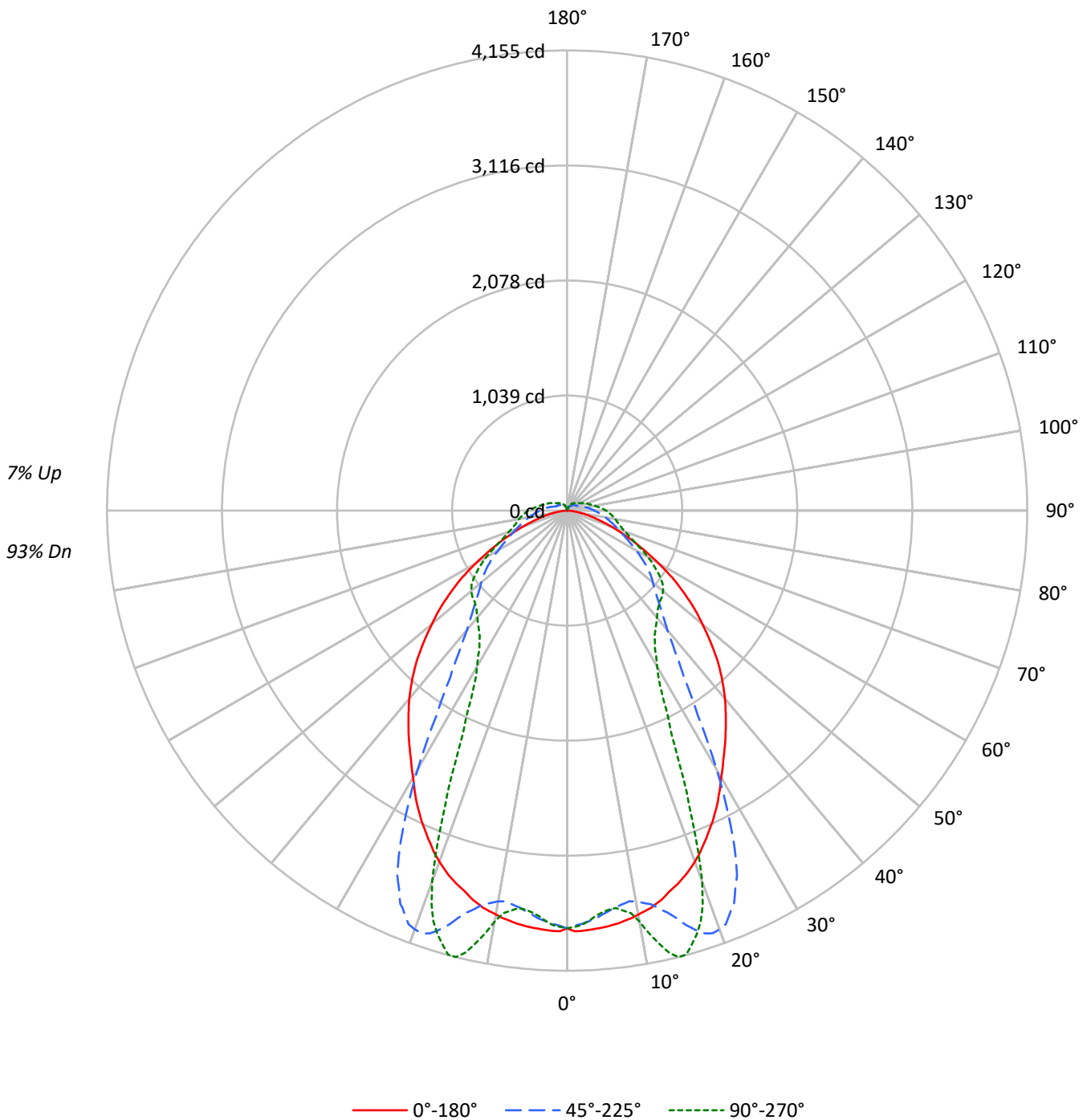
Lumens per Lamp: N/A
Luminaire Lumens: 8386.0 lumens
Efficiency: N/A
Efficacy: 161.9 lumens/watt
Spacing Criteria (0/90/45): 1.12 / 0.89 / 1.01
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.17')
CIE Type: Direct

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°	40615	40615	40615
5°	40663	37906	37177
10°	40177	35992	36866
15°	39241	37437	39246
20°	38054	38988	32846
25°	36144	34948	20196
30°	33769	26010	14616
35°	31829	17937	12330
40°	30090	13909	11364
45°	28067	11830	10747
50°	25431	10607	10550
55°	22656	9582	9760
60°	19101	8280	8443
65°	15417	7201	7046
70°	11968	6461	6204
75°	9124	5995	5786
80°	6227	5662	5727
85°	3212	5384	5686



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	351.1	4.2
10°-20°	1072.9	12.8
20°-30°	1444.6	17.2
30°-40°	1367.2	16.3
40°-50°	1206.8	14.4
50°-60°	980.1	11.7
60°-70°	666.6	7.9
70°-80°	428.9	5.1
80°-90°	285.2	3.4
90°-100°	196.0	2.3
100°-110°	131.6	1.6
110°-120°	92.8	1.1
120°-130°	66.3	0.8
130°-140°	46.8	0.6
140°-150°	29.0	0.3
150°-160°	14.2	0.2
160°-170°	5.0	0.1
170°-180°	0.9	0.0
0°-30°	2868.6	34.2
0°-40°	4235.8	50.5
0°-60°	6422.7	76.6
0°-90°	7803.5	93.1
90°-120°	420.4	5.0
90°-150°	562.5	6.7
90°-180°	582.0	6.9
0°-180°	8386.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3773	3773	3773	3773	3773	
5°	3777	3743	3662	3659	3641	358
15°	3561	3538	3810	4147	4151	1004
25°	3102	3678	3630	2636	2229	1424
35°	2493	3498	1844	1420	1376	1560
45°	1921	2353	1166	1152	1177	1475
55°	1279	1392	876	978	1015	1142
65°	659	750	586	652	672	662
75°	254	355	414	464	485	276
85°	38	151	293	371	397	50
90°	1	105	245	329	351	2
95°	1	81	206	279	298	1
105°	3	56	136	191	214	3
115°	3	49	100	142	160	3
125°	4	41	86	108	115	4
135°	5	32	70	90	95	4
145°	5	23	50	69	76	3
155°	6	14	31	46	52	3
165°	6	9	17	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°	3773.3	3773.3	3773.3	3773.3	3773.3
1°	3798.9	3787.4	3749.0	3769.4	3759.2
2°	3797.6	3778.4	3734.9	3757.9	3745.1
3°	3791.2	3770.7	3714.4	3728.5	3709.3
4°	3784.8	3760.5	3692.6	3692.6	3670.9
5°	3777.1	3742.6	3661.9	3659.3	3641.4
6°	3768.2	3728.5	3635.0	3632.4	3622.2
7°	3755.4	3704.1	3605.6	3623.5	3615.8
8°	3740.0	3681.1	3590.2	3635.0	3646.5
9°	3725.9	3652.9	3572.3	3670.9	3679.8
10°	3702.9	3627.3	3583.8	3742.6	3769.4
11°	3683.7	3605.6	3609.4	3813.0	3893.6
12°	3664.5	3582.5	3633.7	3901.3	3999.9
13°	3632.4	3564.6	3687.5	3997.4	4098.5
14°	3604.3	3550.5	3740.0	4094.7	4154.8
15°	3560.7	3537.7	3810.4	4147.2	4151.0
16°	3531.3	3528.7	3892.4	4151.0	4079.3
17°	3498.0	3524.9	3958.9	4084.4	3999.9
18°	3460.9	3532.6	4014.0	4001.2	3903.9
19°	3418.6	3540.3	4037.0	3886.0	3760.5
20°	3372.5	3551.8	4024.2	3765.6	3563.3
21°	3326.4	3567.1	3999.9	3638.8	3304.7
22.5°	3240.6	3604.3	3884.7	3282.9	2877.0
23°	3216.3	3612.0	3857.8	3171.5	2765.6
24°	3156.1	3644.0	3734.9	2911.6	2471.1
25°	3102.4	3678.5	3629.9	2636.3	2229.1
26°	3042.2	3704.1	3471.1	2382.8	2080.6
27°	2983.3	3719.5	3290.6	2185.6	1914.2
28°	2915.4	3736.2	3094.7	2015.3	1788.7
29°	2851.4	3738.7	2901.3	1879.6	1690.1
30°	2782.3	3725.9	2697.8	1770.8	1628.6
32.5°	2631.2	3655.5	2199.7	1563.3	1475.0
35°	2492.9	3498.0	1843.8	1419.9	1376.4
37.5°	2353.3	3249.6	1594.1	1330.3	1316.2
40°	2216.3	2955.1	1405.9	1258.6	1261.2
42.5°	2071.7	2651.7	1276.5	1199.7	1211.2
45°	1920.6	2353.3	1166.4	1152.3	1176.7
47.5°	1752.8	2080.6	1079.4	1121.6	1158.7
50°	1594.1	1810.5	1011.5	1092.2	1130.6
52.5°	1443.0	1589.0	950.0	1042.2	1087.0
55°	1279.1	1391.8	875.8	978.2	1015.3
57.5°	1122.9	1213.8	797.7	898.8	932.1
60°	951.3	1038.4	718.3	813.0	845.1
62.5°	796.4	888.6	650.4	727.3	752.9
65°	659.4	750.3	586.4	651.7	672.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	537.8	635.1	533.9	589.0	608.2
70°	423.8	526.2	487.8	537.8	558.2
72.5°	331.6	435.3	449.4	495.5	516.0
75°	253.5	354.7	413.6	463.5	485.3
77.5°	188.2	289.4	380.3	437.9	460.9
80°	124.2	230.5	350.8	414.8	441.7
82.5°	78.1	185.7	321.4	391.8	420.0
85°	38.4	151.1	293.2	371.3	396.9
87.5°	12.8	125.5	267.6	350.8	372.6
90°	1.3	105.0	244.6	329.1	350.8
92.5°	1.3	90.9	225.3	303.5	325.2
95°	1.3	80.7	206.1	279.1	298.3
97.5°	1.3	73.0	188.2	253.5	274.0
100°	1.3	65.3	169.0	229.2	251.0
102.5°	2.6	60.2	152.4	208.7	231.7
105°	2.6	56.3	135.7	190.8	213.8
107.5°	2.6	53.8	121.6	176.7	198.5
110°	2.6	51.2	111.4	163.9	186.9
112.5°	2.6	49.9	105.0	152.4	174.1
115°	2.6	48.7	99.9	142.1	160.0
117.5°	3.8	47.4	96.0	131.9	146.0
120°	3.8	44.8	93.5	122.9	134.4
122.5°	3.8	42.3	89.6	115.2	124.2
125°	3.8	41.0	85.8	107.6	115.2
127.5°	3.8	38.4	81.9	101.2	108.8
130°	5.1	35.9	78.1	96.0	102.4
132.5°	5.1	33.3	74.3	93.5	98.6
135°	5.1	32.0	70.4	89.6	94.7
137.5°	5.1	29.4	66.6	85.8	90.9
140°	5.1	26.9	61.5	80.7	85.8
142.5°	5.1	25.6	56.3	75.5	80.7
145°	5.1	23.0	49.9	69.1	75.5
147.5°	6.4	21.8	44.8	64.0	69.1
150°	6.4	19.2	39.7	58.9	64.0
152.5°	6.4	16.6	34.6	52.5	57.6
155°	6.4	14.1	30.7	46.1	52.5
157.5°	6.4	12.8	26.9	38.4	46.1
160°	6.4	11.5	23.0	33.3	39.7
162.5°	6.4	10.2	20.5	28.2	34.6
165°	6.4	9.0	16.6	23.0	28.2
167.5°	7.7	9.0	14.1	17.9	23.0
170°	7.7	9.0	11.5	14.1	17.9
172.5°	7.7	7.7	9.0	10.2	11.5
175°	7.7	7.7	7.7	7.7	6.4
177.5°	7.7	7.7	7.7	6.4	6.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	6.4	6.4	6.4	6.4	6.4

(END OF REPORT)