

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: P566773

Luminaire Tested: **4SNX-74HL-LC-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566773
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-L950-CD
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

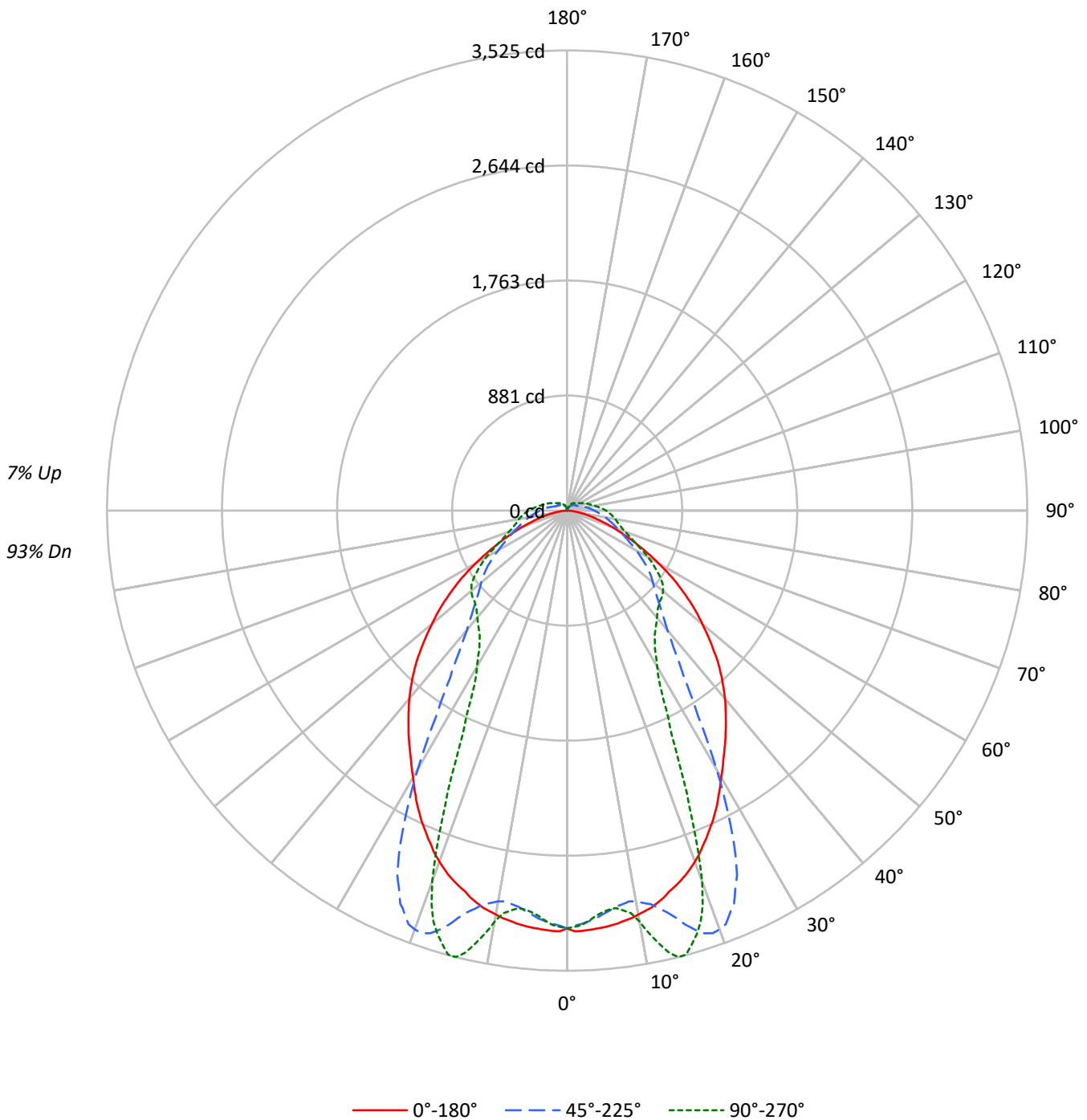
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7114.0 lumens
Efficiency: N/A
Efficacy: 137.3 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 (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	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°	34454	34454	34454
5°	34496	32157	31538
10°	34083	30533	31274
15°	33289	31758	33294
20°	32282	33074	27864
25°	30661	29647	17133
30°	28647	22065	12399
35°	27001	15216	10460
40°	25527	11799	9640
45°	23810	10036	9117
50°	21574	8998	8950
55°	19220	8128	8280
60°	16204	7024	7163
65°	13079	6109	5977
70°	10152	5481	5264
75°	7742	5085	4909
80°	5285	4803	4858
85°	2727	4567	4824



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.9	4.2
10°-20°	910.1	12.8
20°-30°	1225.5	17.2
30°-40°	1159.8	16.3
40°-50°	1023.7	14.4
50°-60°	831.5	11.7
60°-70°	565.5	7.9
70°-80°	363.9	5.1
80°-90°	242.0	3.4
90°-100°	166.3	2.3
100°-110°	111.6	1.6
110°-120°	78.7	1.1
120°-130°	56.3	0.8
130°-140°	39.7	0.6
140°-150°	24.6	0.3
150°-160°	12.0	0.2
160°-170°	4.2	0.1
170°-180°	0.7	0.0
0°-30°	2433.5	34.2
0°-40°	3593.3	50.5
0°-60°	5448.5	76.6
0°-90°	6619.8	93.1
90°-120°	356.6	5.0
90°-150°	477.2	6.7
90°-180°	494.0	6.9
0°-180°	7114.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3201	3201	3201	3201	3201	
5°	3204	3175	3106	3104	3089	304
15°	3021	3001	3232	3518	3521	852
25°	2632	3121	3079	2236	1891	1208
35°	2115	2967	1564	1205	1168	1323
45°	1629	1996	990	978	998	1251
55°	1085	1181	743	830	861	969
65°	559	636	498	553	570	562
75°	215	301	351	393	412	234
85°	33	128	249	315	337	43
90°	1	89	208	279	298	2
95°	1	68	175	237	253	1
105°	2	48	115	162	181	2
115°	2	41	85	121	136	3
125°	3	35	73	91	98	3
135°	4	27	60	76	80	3
145°	4	20	42	59	64	3
155°	5	12	26	39	44	2
165°	5	8	14	20	24	2
175°	6	6	6	6	5	1
180°	5	5	5	5	5	



TEST NUMBER: P566773

CATALOG NUMBER: 4SNX-74HL-LC-UNV-L950-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3200.9	3200.9	3200.9	3200.9	3200.9
1°	3222.7	3212.9	3180.3	3197.7	3189.0
2°	3221.6	3205.3	3168.4	3187.9	3177.1
3°	3216.2	3198.8	3151.0	3162.9	3146.6
4°	3210.7	3190.1	3132.5	3132.5	3114.1
5°	3204.2	3174.9	3106.5	3104.3	3089.1
6°	3196.6	3162.9	3083.6	3081.5	3072.8
7°	3185.7	3142.3	3058.7	3073.9	3067.4
8°	3172.7	3122.7	3045.6	3083.6	3093.4
9°	3160.8	3098.8	3030.4	3114.1	3121.7
10°	3141.2	3077.1	3040.2	3174.9	3197.7
11°	3124.9	3058.7	3061.9	3234.6	3303.0
12°	3108.6	3039.1	3082.6	3309.6	3393.2
13°	3081.5	3023.9	3128.2	3391.0	3476.8
14°	3057.6	3012.0	3172.7	3473.6	3524.6
15°	3020.6	3001.1	3232.4	3518.1	3521.4
16°	2995.7	2993.5	3302.0	3521.4	3460.5
17°	2967.4	2990.2	3358.4	3464.9	3393.2
18°	2935.9	2996.7	3405.1	3394.3	3311.7
19°	2900.1	3003.3	3424.7	3296.5	3190.1
20°	2861.0	3013.0	3413.8	3194.4	3022.8
21°	2821.9	3026.1	3393.2	3086.9	2803.4
22.5°	2749.1	3057.6	3295.4	2784.9	2440.6
23°	2728.5	3064.1	3272.6	2690.4	2346.1
24°	2677.4	3091.2	3168.4	2470.0	2096.3
25°	2631.8	3120.6	3079.3	2236.4	1891.0
26°	2580.7	3142.3	2944.6	2021.4	1765.0
27°	2530.8	3155.3	2791.5	1854.1	1623.8
28°	2473.2	3169.5	2625.3	1709.6	1517.4
29°	2418.9	3171.6	2461.3	1594.5	1433.7
30°	2360.3	3160.8	2288.6	1502.2	1381.6
32.5°	2232.1	3101.0	1866.0	1326.2	1251.3
35°	2114.8	2967.4	1564.1	1204.6	1167.6
37.5°	1996.4	2756.7	1352.3	1128.5	1116.6
40°	1880.2	2506.9	1192.6	1067.7	1069.9
42.5°	1757.4	2249.5	1082.9	1017.7	1027.5
45°	1629.3	1996.4	989.5	977.6	998.2
47.5°	1487.0	1765.0	915.6	951.5	983.0
50°	1352.3	1535.8	858.1	926.5	959.1
52.5°	1224.1	1347.9	805.9	884.1	922.2
55°	1085.1	1180.7	742.9	829.8	861.3
57.5°	952.6	1029.7	676.7	762.5	790.7
60°	807.0	880.9	609.3	689.7	716.9
62.5°	675.6	753.8	551.8	616.9	638.7
65°	559.4	636.5	497.5	552.9	570.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	456.2	538.7	452.9	499.6	515.9
70°	359.5	446.4	413.8	456.2	473.6
72.5°	281.3	369.3	381.2	420.3	437.7
75°	215.1	300.9	350.8	393.2	411.7
77.5°	159.7	245.5	322.6	371.5	391.0
80°	105.4	195.5	297.6	351.9	374.7
82.5°	66.3	157.5	272.6	332.4	356.3
85°	32.6	128.2	248.7	315.0	336.7
87.5°	10.9	106.4	227.0	297.6	316.1
90°	1.1	89.1	207.5	279.1	297.6
92.5°	1.1	77.1	191.2	257.4	275.9
95°	1.1	68.4	174.9	236.8	253.1
97.5°	1.1	61.9	159.7	215.1	232.4
100°	1.1	55.4	143.4	194.4	212.9
102.5°	2.2	51.1	129.3	177.0	196.6
105°	2.2	47.8	115.1	161.8	181.4
107.5°	2.2	45.6	103.2	149.9	168.4
110°	2.2	43.4	94.5	139.0	158.6
112.5°	2.2	42.4	89.1	129.3	147.7
115°	2.2	41.3	84.7	120.6	135.8
117.5°	3.3	40.2	81.5	111.9	123.8
120°	3.3	38.0	79.3	104.3	114.0
122.5°	3.3	35.8	76.0	97.8	105.4
125°	3.3	34.8	72.8	91.2	97.8
127.5°	3.3	32.6	69.5	85.8	92.3
130°	4.3	30.4	66.3	81.5	86.9
132.5°	4.3	28.2	63.0	79.3	83.6
135°	4.3	27.2	59.7	76.0	80.4
137.5°	4.3	25.0	56.5	72.8	77.1
140°	4.3	22.8	52.1	68.4	72.8
142.5°	4.3	21.7	47.8	64.1	68.4
145°	4.3	19.6	42.4	58.7	64.1
147.5°	5.4	18.5	38.0	54.3	58.7
150°	5.4	16.3	33.7	50.0	54.3
152.5°	5.4	14.1	29.3	44.5	48.9
155°	5.4	11.9	26.1	39.1	44.5
157.5°	5.4	10.9	22.8	32.6	39.1
160°	5.4	9.8	19.6	28.2	33.7
162.5°	5.4	8.7	17.4	23.9	29.3
165°	5.4	7.6	14.1	19.6	23.9
167.5°	6.5	7.6	11.9	15.2	19.6
170°	6.5	7.6	9.8	11.9	15.2
172.5°	6.5	6.5	7.6	8.7	9.8
175°	6.5	6.5	6.5	6.5	5.4
177.5°	6.5	6.5	6.5	5.4	5.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.4	5.4	5.4	5.4	5.4

(END OF REPORT)