

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: P566770

Luminaire Tested: **4SNX-74HL-LC-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566770
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-L930-CD
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND LC LENS
Light Source: -
Ballast/Driver: -

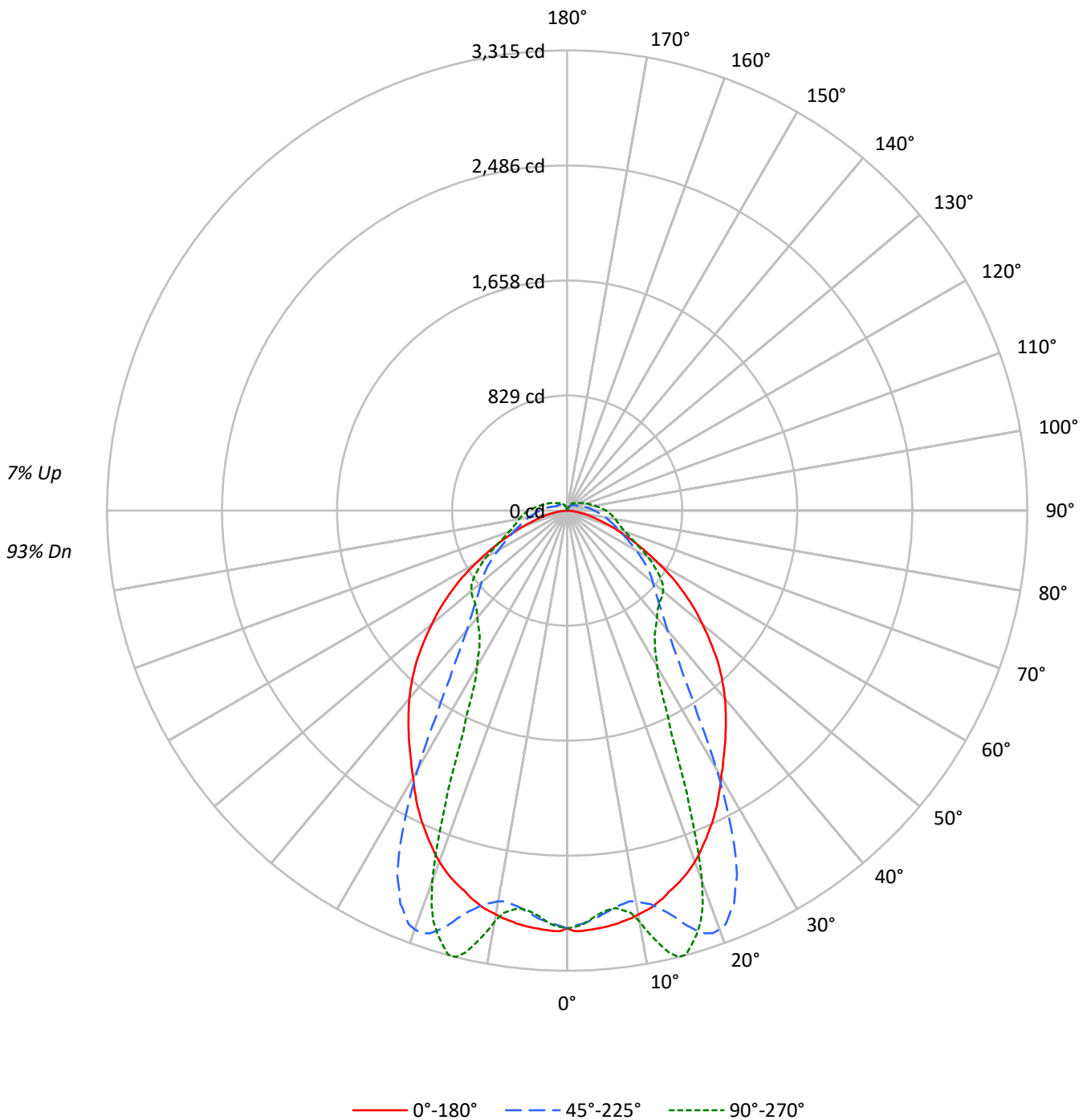
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6690.0 lumens
Efficiency: N/A
Efficacy: 129.2 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°	32402	32402	32402
5°	32439	30240	29659
10°	32052	28713	29410
15°	31305	29866	31309
20°	30359	31104	26204
25°	28833	27881	16112
30°	26940	20750	11661
35°	25391	14309	9836
40°	24005	11095	9066
45°	22391	9437	8574
50°	20288	8461	8416
55°	18074	7644	7787
60°	15238	6605	6735
65°	12298	5744	5622
70°	9548	5155	4949
75°	7278	4782	4615
80°	4969	4518	4569
85°	2560	4295	4536



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	280.1	4.2
10°-20°	855.9	12.8
20°-30°	1152.5	17.2
30°-40°	1090.7	16.3
40°-50°	962.7	14.4
50°-60°	781.9	11.7
60°-70°	531.8	7.9
70°-80°	342.2	5.1
80°-90°	227.5	3.4
90°-100°	156.4	2.3
100°-110°	105.0	1.6
110°-120°	74.0	1.1
120°-130°	52.9	0.8
130°-140°	37.3	0.6
140°-150°	23.2	0.3
150°-160°	11.3	0.2
160°-170°	4.0	0.1
170°-180°	0.7	0.0
0°-30°	2288.5	34.2
0°-40°	3379.2	50.5
0°-60°	5123.8	76.6
0°-90°	6225.3	93.1
90°-120°	335.4	5.0
90°-150°	448.8	6.7
90°-180°	465.0	7.0
0°-180°	6690.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3010	3010	3010	3010	3010	
5°	3013	2986	2921	2919	2905	286
15°	2841	2822	3040	3308	3312	801
25°	2475	2935	2896	2103	1778	1136
35°	1989	2791	1471	1133	1098	1244
45°	1532	1877	930	919	939	1176
55°	1020	1110	699	780	810	911
65°	526	599	468	520	536	528
75°	202	283	330	370	387	220
85°	31	120	234	296	317	40
90°	1	84	195	262	280	2
95°	1	64	164	223	238	1
105°	2	45	108	152	171	2
115°	2	39	80	113	128	2
125°	3	33	68	86	92	3
135°	4	26	56	72	76	3
145°	4	18	40	55	60	3
155°	5	11	24	37	42	2
165°	5	7	13	18	22	2
175°	6	6	6	6	5	1
180°	5	5	5	5	5	



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CATALOG NUMBER: 4SNX-74HL-LC-UNV-L930-CD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3010.2	3010.2	3010.2	3010.2	3010.2
1°	3030.6	3021.4	2990.8	3007.1	2998.9
2°	3029.6	3014.3	2979.5	2997.9	2987.7
3°	3024.5	3008.1	2963.2	2974.4	2959.1
4°	3019.4	3000.0	2945.8	2945.8	2928.5
5°	3013.2	2985.7	2921.3	2919.3	2905.0
6°	3006.1	2974.4	2899.9	2897.8	2889.6
7°	2995.9	2955.0	2876.4	2890.7	2884.5
8°	2983.6	2936.6	2864.1	2899.9	2909.0
9°	2972.4	2914.2	2849.8	2928.5	2935.6
10°	2954.0	2893.7	2859.0	2985.7	3007.1
11°	2938.7	2876.4	2879.4	3041.8	3106.2
12°	2923.3	2858.0	2898.8	3112.3	3191.0
13°	2897.8	2843.7	2941.7	3188.9	3269.6
14°	2875.3	2832.4	2983.6	3266.6	3314.6
15°	2840.6	2822.2	3039.8	3308.4	3311.5
16°	2817.1	2815.1	3105.2	3311.5	3254.3
17°	2790.6	2812.0	3158.3	3258.4	3191.0
18°	2760.9	2818.1	3202.2	3192.0	3114.4
19°	2727.2	2824.3	3220.6	3100.1	3000.0
20°	2690.5	2833.5	3210.4	3004.0	2842.7
21°	2653.7	2845.7	3191.0	2902.9	2636.3
22.5°	2585.3	2875.3	3099.0	2619.0	2295.2
23°	2565.8	2881.5	3077.6	2530.1	2206.3
24°	2517.8	2907.0	2979.5	2322.7	1971.4
25°	2474.9	2934.6	2895.8	2103.1	1778.3
26°	2426.9	2955.0	2769.1	1900.9	1659.8
27°	2379.9	2967.3	2625.1	1743.6	1527.0
28°	2325.8	2980.5	2468.8	1607.7	1426.9
29°	2274.7	2982.6	2314.6	1499.5	1348.3
30°	2219.6	2972.4	2152.2	1412.6	1299.3
32.5°	2099.0	2916.2	1754.8	1247.2	1176.7
35°	1988.7	2790.6	1470.9	1132.8	1098.0
37.5°	1877.4	2592.4	1271.7	1061.3	1050.0
40°	1768.1	2357.5	1121.5	1004.1	1006.1
42.5°	1652.7	2115.4	1018.4	957.1	966.3
45°	1532.2	1877.4	930.5	919.3	938.7
47.5°	1398.3	1659.8	861.1	894.8	924.4
50°	1271.7	1444.3	806.9	871.3	901.9
52.5°	1151.2	1267.6	757.9	831.4	867.2
55°	1020.4	1110.3	698.7	780.4	810.0
57.5°	895.8	968.3	636.4	717.0	743.6
60°	758.9	828.4	573.0	648.6	674.1
62.5°	635.3	708.9	518.9	580.2	600.6
65°	526.0	598.6	467.8	519.9	536.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	429.0	506.6	425.9	469.9	485.2
70°	338.1	419.8	389.2	429.0	445.3
72.5°	264.6	347.3	358.5	395.3	411.6
75°	202.2	282.9	329.9	369.8	387.1
77.5°	150.2	230.8	303.4	349.3	367.7
80°	99.1	183.9	279.9	330.9	352.4
82.5°	62.3	148.1	256.4	312.6	335.0
85°	30.6	120.5	233.9	296.2	316.6
87.5°	10.2	100.1	213.5	279.9	297.2
90°	1.0	83.8	195.1	262.5	279.9
92.5°	1.0	72.5	179.8	242.1	259.4
95°	1.0	64.4	164.5	222.7	238.0
97.5°	1.0	58.2	150.2	202.2	218.6
100°	1.0	52.1	134.8	182.8	200.2
102.5°	2.0	48.0	121.6	166.5	184.9
105°	2.0	44.9	108.3	152.2	170.6
107.5°	2.0	42.9	97.0	141.0	158.3
110°	2.0	40.9	88.9	130.7	149.1
112.5°	2.0	39.8	83.8	121.6	138.9
115°	2.0	38.8	79.7	113.4	127.7
117.5°	3.1	37.8	76.6	105.2	116.4
120°	3.1	35.8	74.6	98.1	107.3
122.5°	3.1	33.7	71.5	91.9	99.1
125°	3.1	32.7	68.4	85.8	91.9
127.5°	3.1	30.6	65.4	80.7	86.8
130°	4.1	28.6	62.3	76.6	81.7
132.5°	4.1	26.6	59.2	74.6	78.7
135°	4.1	25.5	56.2	71.5	75.6
137.5°	4.1	23.5	53.1	68.4	72.5
140°	4.1	21.5	49.0	64.4	68.4
142.5°	4.1	20.4	44.9	60.3	64.4
145°	4.1	18.4	39.8	55.2	60.3
147.5°	5.1	17.4	35.8	51.1	55.2
150°	5.1	15.3	31.7	47.0	51.1
152.5°	5.1	13.3	27.6	41.9	46.0
155°	5.1	11.2	24.5	36.8	41.9
157.5°	5.1	10.2	21.5	30.6	36.8
160°	5.1	9.2	18.4	26.6	31.7
162.5°	5.1	8.2	16.3	22.5	27.6
165°	5.1	7.2	13.3	18.4	22.5
167.5°	6.1	7.2	11.2	14.3	18.4
170°	6.1	7.2	9.2	11.2	14.3
172.5°	6.1	6.1	7.2	8.2	9.2
175°	6.1	6.1	6.1	6.1	5.1
177.5°	6.1	6.1	6.1	5.1	5.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
180°	5.1	5.1	5.1	5.1	5.1

(END OF REPORT)