

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: P566802

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566802
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-17)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-74HL-UNV-L930-CD
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

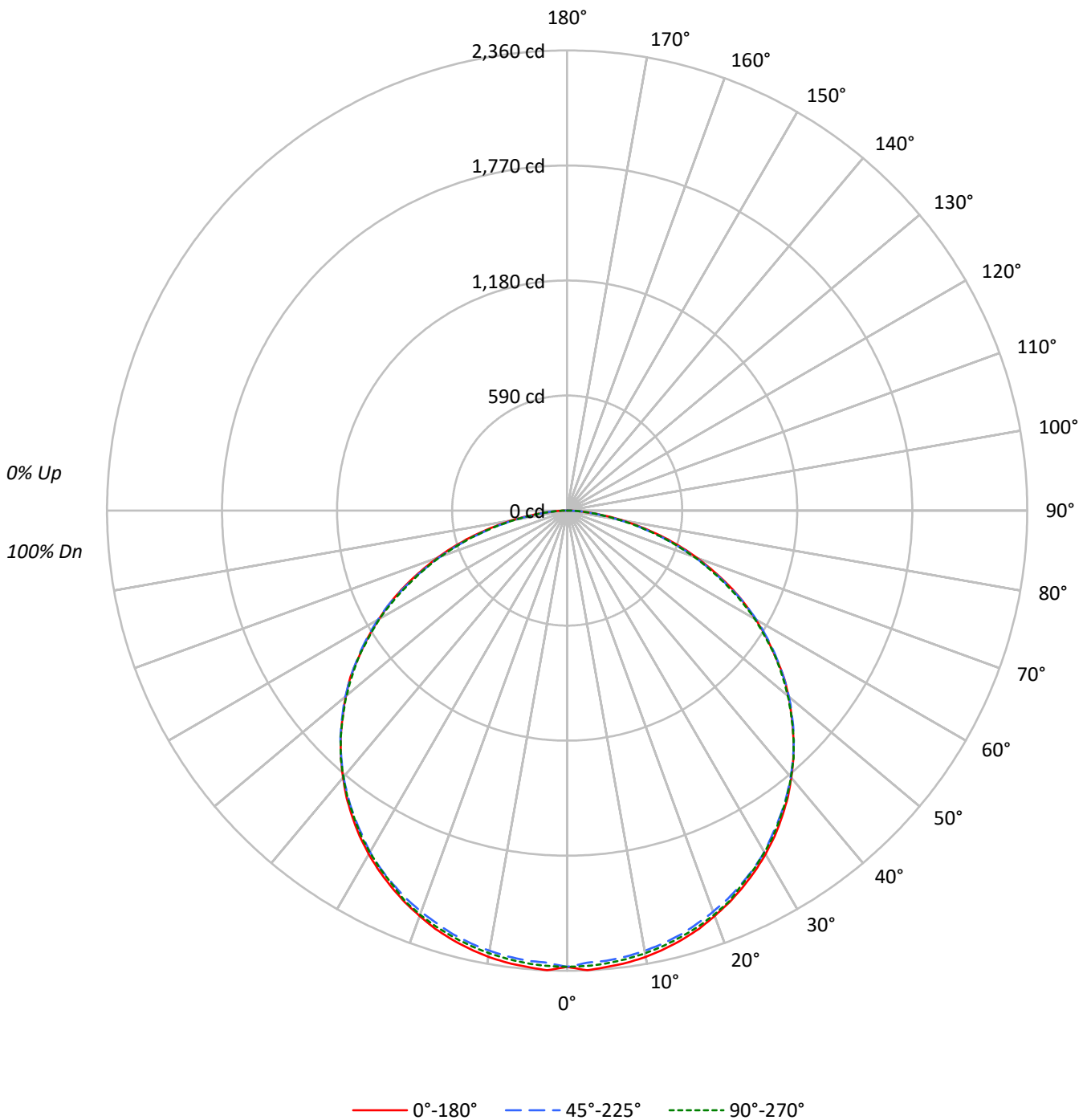
Lumens per Lamp: N/A
Luminaire Lumens: 7004.0 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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

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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	104	99	95	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	90	83	77	96	88	82	76	85	79	75	81	77	73	78	75	71	69
3	90	79	71	64	87	77	70	63	74	68	62	72	66	61	69	64	60	58
4	82	70	61	54	80	68	60	54	66	59	53	64	57	52	61	56	51	49
5	75	62	53	46	73	61	52	46	59	51	46	57	50	45	55	49	45	42
6	69	56	47	40	67	55	46	40	53	45	40	51	45	39	50	44	39	37
7	64	51	42	35	63	50	41	35	48	41	35	47	40	35	45	39	35	33
8	60	46	37	32	58	45	37	31	44	37	31	43	36	31	42	35	31	29
9	56	42	34	28	54	42	34	28	41	33	28	39	33	28	38	32	28	26
10	52	39	31	26	51	38	31	26	37	30	25	36	30	25	36	30	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25185	25185	25185
5°	25389	25035	25185
10°	25401	25055	25195
15°	25390	25081	25225
20°	25339	25078	25259
25°	25308	25107	25155
30°	25291	25130	25155
35°	25229	25073	25111
40°	25128	25072	25086
45°	24991	25036	24991
50°	24822	24872	24740
55°	24436	24565	24436
60°	24023	24131	23917
65°	23429	23152	22900
70°	22313	21813	21750
75°	20591	19601	19684
80°	17617	16513	16817
85°	13079	12844	11980



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	222.1	3.2
10°-20°	639.8	9.1
20°-30°	979.5	14.0
30°-40°	1198.2	17.1
40°-50°	1267.3	18.1
50°-60°	1167.7	16.7
60°-70°	898.7	12.8
70°-80°	504.9	7.2
80°-90°	125.9	1.8
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1841.3	26.3
0°-40°	3039.5	43.4
0°-60°	5474.4	78.2
0°-90°	7004.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7004.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2340	2340	2340	2340	2340	
5°	2350	2343	2317	2338	2331	223
15°	2278	2272	2251	2270	2264	643
25°	2131	2129	2114	2129	2118	983
35°	1920	1917	1908	1917	1911	1201
45°	1642	1647	1645	1641	1642	1266
55°	1302	1314	1309	1305	1302	1166
65°	920	922	909	896	899	907
75°	495	487	471	464	473	521
85°	106	104	104	101	97	131
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2339.8	2339.8	2339.8	2339.8	2339.8
2.5°	2359.6	2346.7	2321.0	2343.8	2337.8
5°	2349.7	2342.8	2317.0	2337.8	2330.9
7.5°	2339.8	2331.9	2307.1	2329.9	2320.0
10°	2324.0	2317.0	2292.3	2314.1	2305.1
12.5°	2303.2	2297.2	2274.4	2295.2	2286.3
15°	2278.4	2272.5	2250.7	2270.5	2263.6
17.5°	2248.7	2241.8	2221.0	2241.8	2236.8
20°	2212.1	2208.1	2189.3	2208.1	2205.1
22.5°	2174.4	2169.5	2154.6	2168.5	2169.5
25°	2130.9	2128.9	2114.0	2128.9	2118.0
27.5°	2085.3	2085.3	2070.5	2080.4	2073.4
30°	2034.8	2033.8	2021.9	2026.9	2023.9
32.5°	1980.4	1979.4	1963.5	1976.4	1971.5
35°	1920.0	1917.0	1908.1	1917.0	1911.0
37.5°	1857.6	1854.6	1847.7	1852.6	1851.6
40°	1788.3	1788.3	1784.3	1788.3	1785.3
42.5°	1717.0	1719.9	1715.0	1719.0	1719.0
45°	1641.7	1646.7	1644.7	1640.7	1641.7
47.5°	1561.5	1570.4	1565.5	1564.5	1559.5
50°	1482.3	1490.2	1485.3	1480.3	1477.4
52.5°	1400.1	1404.1	1398.1	1396.2	1389.2
55°	1302.1	1314.0	1309.0	1305.1	1302.1
57.5°	1212.0	1220.9	1216.9	1209.0	1204.1
60°	1115.9	1122.9	1120.9	1112.0	1111.0
62.5°	1021.9	1023.8	1021.9	1006.0	1007.0
65°	919.9	921.9	909.0	896.1	899.1
67.5°	812.9	818.9	801.1	782.2	795.1
70°	709.0	707.0	693.1	672.3	691.1
72.5°	602.0	600.0	584.2	569.4	582.2
75°	495.1	487.2	471.3	464.4	473.3
77.5°	384.2	375.3	368.3	363.4	367.4
80°	284.2	272.3	266.4	262.4	271.3
82.5°	189.1	180.2	177.2	180.2	178.2
85°	105.9	104.0	104.0	101.0	97.0
87.5°	43.6	45.5	46.5	45.5	43.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)