

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: P566800

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

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566800
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-L840-CD
Description: 4FT 7400 LUMEN, SNX FIXTURE WITH 4000K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

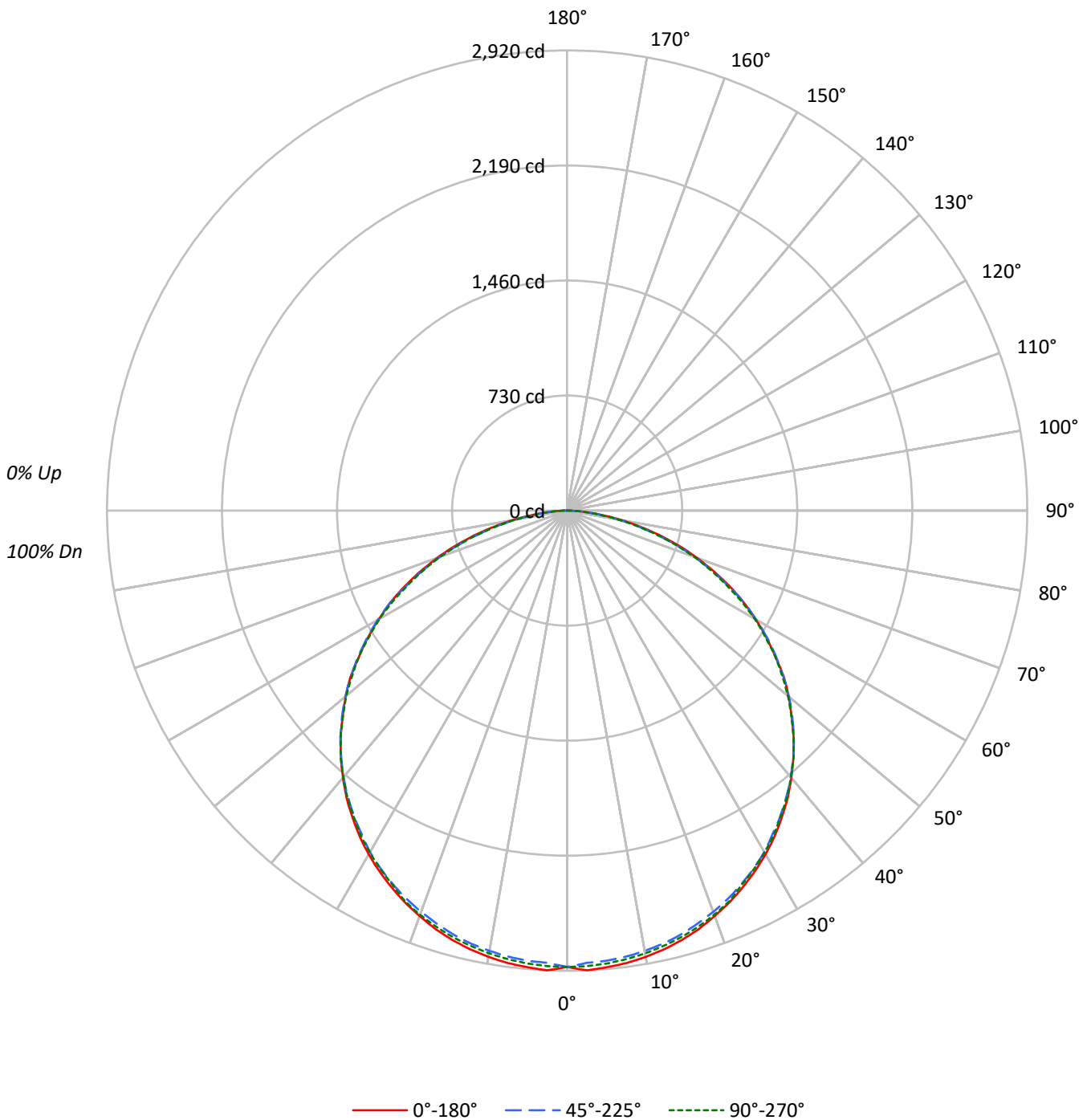
Lumens per Lamp: N/A
Luminaire Lumens: 8668.0 lumens
Efficiency: N/A
Efficacy: 167.3 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 51.8
Input Voltage (V): NR
Input Current (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	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°	31169	31169	31169
5°	31420	30983	31169
10°	31436	31007	31181
15°	31422	31039	31217
20°	31358	31035	31260
25°	31320	31073	31131
30°	31300	31101	31132
35°	31223	31030	31078
40°	31097	31028	31045
45°	30929	30984	30929
50°	30720	30780	30616
55°	30240	30401	30240
60°	29732	29863	29599
65°	28995	28651	28340
70°	27613	26996	26918
75°	25481	24259	24363
80°	21801	20431	20815
85°	16191	15895	14833



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	274.8	3.2
10°-20°	791.8	9.1
20°-30°	1212.2	14.0
30°-40°	1482.8	17.1
40°-50°	1568.3	18.1
50°-60°	1445.1	16.7
60°-70°	1112.2	12.8
70°-80°	624.9	7.2
80°-90°	155.9	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°	2278.8	26.3
0°-40°	3761.6	43.4
0°-60°	6775.0	78.2
0°-90°	8668.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8668.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2896	2896	2896	2896	2896	
5°	2908	2899	2868	2893	2885	277
15°	2820	2812	2785	2810	2801	796
25°	2637	2635	2616	2635	2621	1216
35°	2376	2372	2361	2372	2365	1487
45°	2032	2038	2035	2030	2032	1567
55°	1611	1626	1620	1615	1611	1443
65°	1138	1141	1125	1109	1113	1123
75°	613	603	583	575	586	645
85°	131	129	129	125	120	162
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2895.7	2895.7	2895.7	2895.7	2895.7
2.5°	2920.2	2904.3	2872.4	2900.6	2893.2
5°	2907.9	2899.4	2867.5	2893.2	2884.7
7.5°	2895.7	2885.9	2855.2	2883.4	2871.2
10°	2876.1	2867.5	2836.9	2863.8	2852.8
12.5°	2850.3	2843.0	2814.8	2840.5	2829.5
15°	2819.7	2812.4	2785.4	2809.9	2801.3
17.5°	2782.9	2774.4	2748.6	2774.4	2768.2
20°	2737.6	2732.7	2709.4	2732.7	2729.0
22.5°	2691.0	2684.9	2666.5	2683.7	2684.9
25°	2637.1	2634.7	2616.3	2634.7	2621.2
27.5°	2580.7	2580.7	2562.4	2574.6	2566.0
30°	2518.3	2517.0	2502.3	2508.4	2504.8
32.5°	2450.9	2449.6	2430.0	2446.0	2439.8
35°	2376.1	2372.4	2361.4	2372.4	2365.1
37.5°	2298.9	2295.2	2286.6	2292.8	2291.5
40°	2213.1	2213.1	2208.2	2213.1	2209.4
42.5°	2124.9	2128.6	2122.4	2127.3	2127.3
45°	2031.8	2037.9	2035.4	2030.5	2031.8
47.5°	1932.5	1943.5	1937.4	1936.2	1930.0
50°	1834.5	1844.3	1838.1	1832.0	1828.3
52.5°	1732.8	1737.7	1730.3	1727.9	1719.3
55°	1611.4	1626.1	1620.0	1615.1	1611.4
57.5°	1499.9	1511.0	1506.0	1496.2	1490.1
60°	1381.1	1389.6	1387.2	1376.2	1374.9
62.5°	1264.6	1267.1	1264.6	1245.0	1246.3
65°	1138.4	1140.9	1124.9	1109.0	1112.7
67.5°	1006.1	1013.4	991.4	968.1	984.0
70°	877.4	875.0	857.8	832.1	855.3
72.5°	745.1	742.6	723.0	704.6	720.6
75°	612.7	602.9	583.3	574.7	585.8
77.5°	475.5	464.4	455.9	449.7	454.6
80°	351.7	337.0	329.6	324.7	335.8
82.5°	234.1	223.0	219.4	223.0	220.6
85°	131.1	128.7	128.7	125.0	120.1
87.5°	53.9	56.4	57.6	56.4	53.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)