

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: P566898

Luminaire Tested: **4SNX-84HL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566898
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-84HL-UNV-L930-CD
Description: 4FT 8400 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

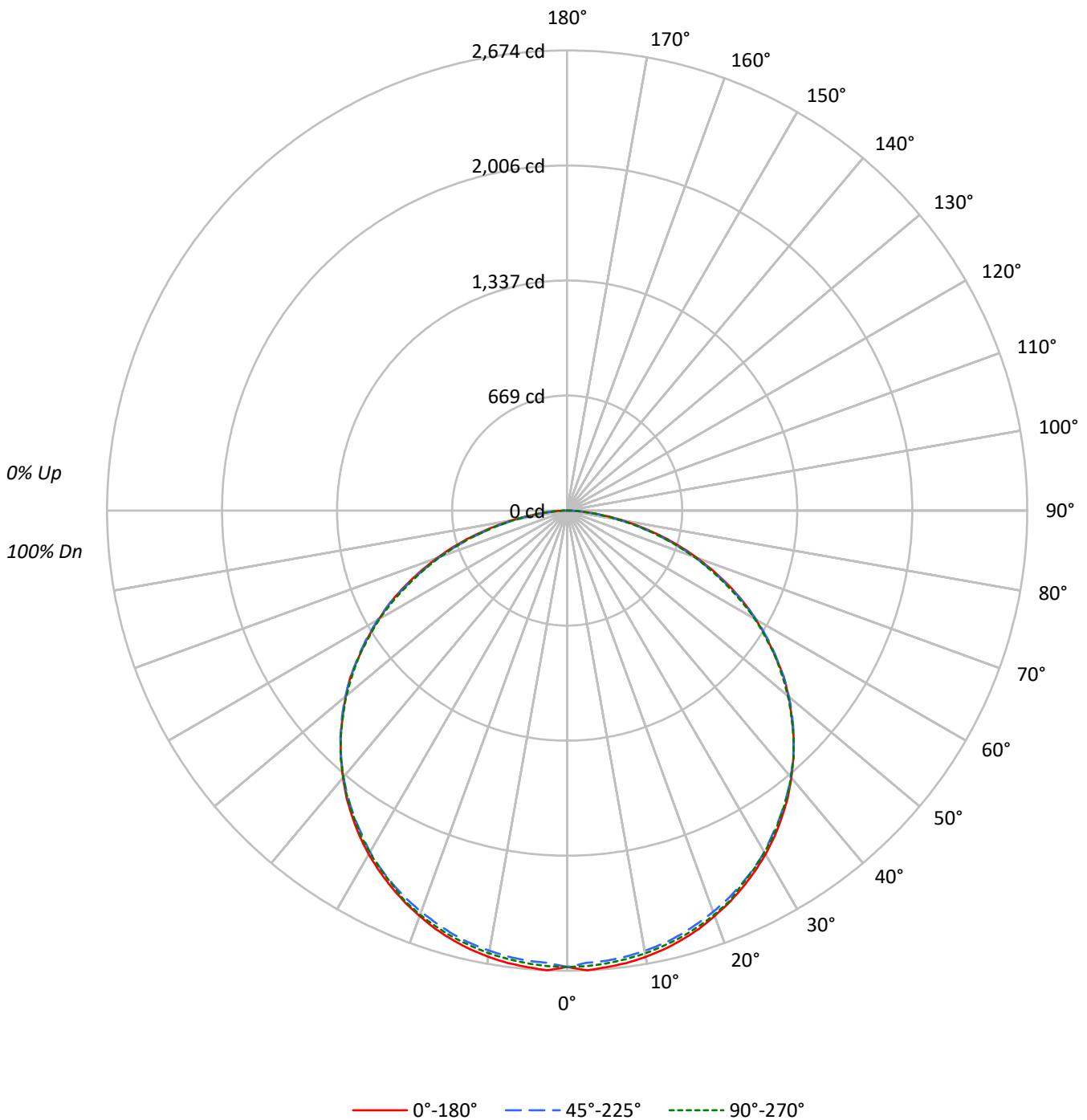
Lumens per Lamp: N/A
Luminaire Lumens: 7937.0 lumens
Efficiency: N/A
Efficacy: 137.1 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 57.9
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°	28541	28541	28541
5°	28771	28371	28540
10°	28784	28392	28551
15°	28772	28422	28585
20°	28714	28418	28624
25°	28679	28452	28505
30°	28660	28479	28506
35°	28589	28413	28457
40°	28475	28412	28427
45°	28320	28372	28320
50°	28129	28185	28034
55°	27690	27838	27690
60°	27224	27345	27104
65°	26550	26236	25951
70°	25284	24721	24649
75°	23331	22212	22308
80°	19960	18708	19061
85°	14833	14549	13585



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.6	3.2
10°-20°	725.0	9.1
20°-30°	1109.9	14.0
30°-40°	1357.8	17.1
40°-50°	1436.1	18.1
50°-60°	1323.2	16.7
60°-70°	1018.4	12.8
70°-80°	572.2	7.2
80°-90°	142.7	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°	2086.6	26.3
0°-40°	3444.4	43.4
0°-60°	6203.7	78.2
0°-90°	7937.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7937.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2652	2652	2652	2652	2652	
5°	2663	2655	2626	2649	2641	253
15°	2582	2575	2550	2573	2565	729
25°	2415	2412	2396	2412	2400	1114
35°	2176	2172	2162	2172	2166	1362
45°	1860	1866	1864	1859	1860	1435
55°	1476	1489	1483	1479	1476	1321
65°	1042	1045	1030	1016	1019	1028
75°	561	552	534	526	536	591
85°	120	118	118	114	110	148
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2651.5	2651.5	2651.5	2651.5	2651.5
2.5°	2673.9	2659.3	2630.2	2656.0	2649.2
5°	2662.7	2654.8	2625.7	2649.2	2641.4
7.5°	2651.5	2642.5	2614.5	2640.3	2629.0
10°	2633.5	2625.7	2597.6	2622.3	2612.2
12.5°	2610.0	2603.2	2577.4	2601.0	2590.9
15°	2581.9	2575.2	2550.5	2572.9	2565.1
17.5°	2548.2	2540.4	2516.8	2540.4	2534.8
20°	2506.7	2502.2	2480.9	2502.2	2498.9
22.5°	2464.1	2458.5	2441.7	2457.4	2458.5
25°	2414.7	2412.5	2395.6	2412.5	2400.1
27.5°	2363.1	2363.1	2346.3	2357.5	2349.6
30°	2305.9	2304.8	2291.3	2296.9	2293.5
32.5°	2244.2	2243.0	2225.1	2239.7	2234.1
35°	2175.7	2172.4	2162.3	2172.4	2165.6
37.5°	2105.0	2101.7	2093.8	2099.4	2098.3
40°	2026.5	2026.5	2022.0	2026.5	2023.1
42.5°	1945.7	1949.1	1943.4	1947.9	1947.9
45°	1860.4	1866.0	1863.8	1859.3	1860.4
47.5°	1769.5	1779.6	1774.0	1772.9	1767.3
50°	1679.8	1688.7	1683.1	1677.5	1674.1
52.5°	1586.6	1591.1	1584.4	1582.1	1574.3
55°	1475.5	1489.0	1483.4	1478.9	1475.5
57.5°	1373.4	1383.5	1379.0	1370.1	1364.5
60°	1264.6	1272.4	1270.2	1260.1	1259.0
62.5°	1158.0	1160.2	1158.0	1140.0	1141.2
65°	1042.4	1044.7	1030.1	1015.5	1018.9
67.5°	921.2	928.0	907.8	886.4	901.0
70°	803.4	801.2	785.5	761.9	783.2
72.5°	682.2	680.0	662.0	645.2	659.8
75°	561.0	552.1	534.1	526.3	536.4
77.5°	435.4	425.3	417.4	411.8	416.3
80°	322.0	308.6	301.8	297.4	307.5
82.5°	214.3	204.2	200.9	204.2	202.0
85°	120.1	117.8	117.8	114.5	110.0
87.5°	49.4	51.6	52.7	51.6	49.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)