

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: P566994

Luminaire Tested: **4SNX-90HL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566994
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-90HL-UNV-L930-CD
Description: 4FT 9000 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

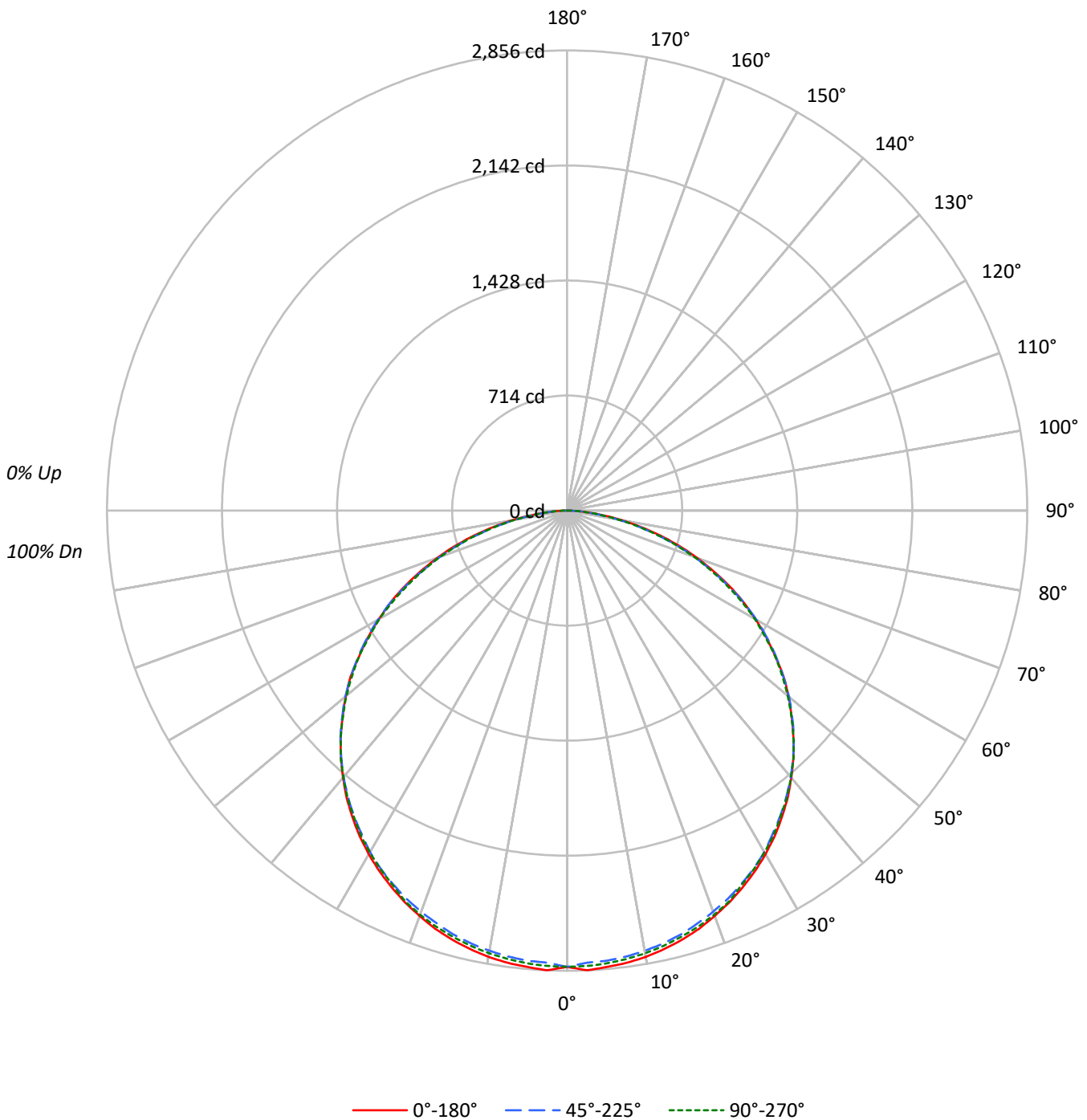
Lumens per Lamp: N/A
Luminaire Lumens: 8476.0 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 64.4
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°	30478	30478	30478
5°	30724	30297	30479
10°	30739	30320	30490
15°	30725	30352	30526
20°	30664	30348	30568
25°	30626	30384	30441
30°	30607	30413	30443
35°	30532	30342	30390
40°	30408	30341	30358
45°	30244	30297	30244
50°	30038	30099	29938
55°	29570	29728	29570
60°	29073	29203	28944
65°	28353	28017	27711
70°	27003	26398	26323
75°	24916	23722	23822
80°	21317	19978	20350
85°	15833	15537	14499



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	268.7	3.2
10°-20°	774.3	9.1
20°-30°	1185.3	14.0
30°-40°	1450.0	17.1
40°-50°	1533.6	18.1
50°-60°	1413.1	16.7
60°-70°	1087.6	12.8
70°-80°	611.0	7.2
80°-90°	152.4	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°	2228.3	26.3
0°-40°	3678.3	43.4
0°-60°	6625.0	78.2
0°-90°	8476.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8476.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2832	2832	2832	2832	2832	
5°	2844	2835	2804	2829	2821	270
15°	2757	2750	2724	2748	2739	778
25°	2579	2576	2558	2576	2563	1189
35°	2324	2320	2309	2320	2313	1454
45°	1987	1993	1990	1986	1987	1532
55°	1576	1590	1584	1579	1576	1411
65°	1113	1116	1100	1084	1088	1098
75°	599	590	570	562	573	631
85°	128	126	126	122	117	158
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2831.5	2831.5	2831.5	2831.5	2831.5
2.5°	2855.5	2839.9	2808.8	2836.3	2829.1
5°	2843.5	2835.1	2804.0	2829.1	2820.8
7.5°	2831.5	2822.0	2792.0	2819.6	2807.6
10°	2812.4	2804.0	2774.0	2800.4	2789.6
12.5°	2787.2	2780.0	2752.5	2777.6	2766.8
15°	2757.2	2750.1	2723.7	2747.7	2739.3
17.5°	2721.3	2712.9	2687.7	2712.9	2706.9
20°	2677.0	2672.2	2649.4	2672.2	2668.6
22.5°	2631.4	2625.4	2607.5	2624.2	2625.4
25°	2578.7	2576.3	2558.3	2576.3	2563.1
27.5°	2523.6	2523.6	2505.6	2517.6	2509.2
30°	2462.5	2461.3	2446.9	2452.9	2449.3
32.5°	2396.6	2395.4	2376.2	2391.8	2385.8
35°	2323.5	2319.9	2309.1	2319.9	2312.7
37.5°	2248.0	2244.4	2236.0	2242.0	2240.8
40°	2164.1	2164.1	2159.3	2164.1	2160.5
42.5°	2077.8	2081.4	2075.4	2080.2	2080.2
45°	1986.8	1992.7	1990.3	1985.6	1986.8
47.5°	1889.7	1900.5	1894.5	1893.3	1887.3
50°	1793.8	1803.4	1797.4	1791.4	1787.8
52.5°	1694.4	1699.2	1692.0	1689.6	1681.2
55°	1575.7	1590.1	1584.1	1579.3	1575.7
57.5°	1466.7	1477.5	1472.7	1463.1	1457.1
60°	1350.5	1358.9	1356.5	1345.7	1344.5
62.5°	1236.6	1239.0	1236.6	1217.5	1218.7
65°	1113.2	1115.6	1100.0	1084.4	1088.0
67.5°	983.8	991.0	969.4	946.6	962.2
70°	858.0	855.6	838.8	813.6	836.4
72.5°	728.6	726.2	707.0	689.0	704.6
75°	599.1	589.6	570.4	562.0	572.8
77.5°	464.9	454.1	445.8	439.8	444.6
80°	343.9	329.5	322.3	317.5	328.3
82.5°	228.9	218.1	214.5	218.1	215.7
85°	128.2	125.8	125.8	122.2	117.4
87.5°	52.7	55.1	56.3	55.1	52.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)