

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: P566946

Luminaire Tested: **4SNX-87HL-UNV-L930-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566946
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-87HL-UNV-L930-CD
Description: 4FT 8700 LUMEN, SNX FIXTURE WITH 3000K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

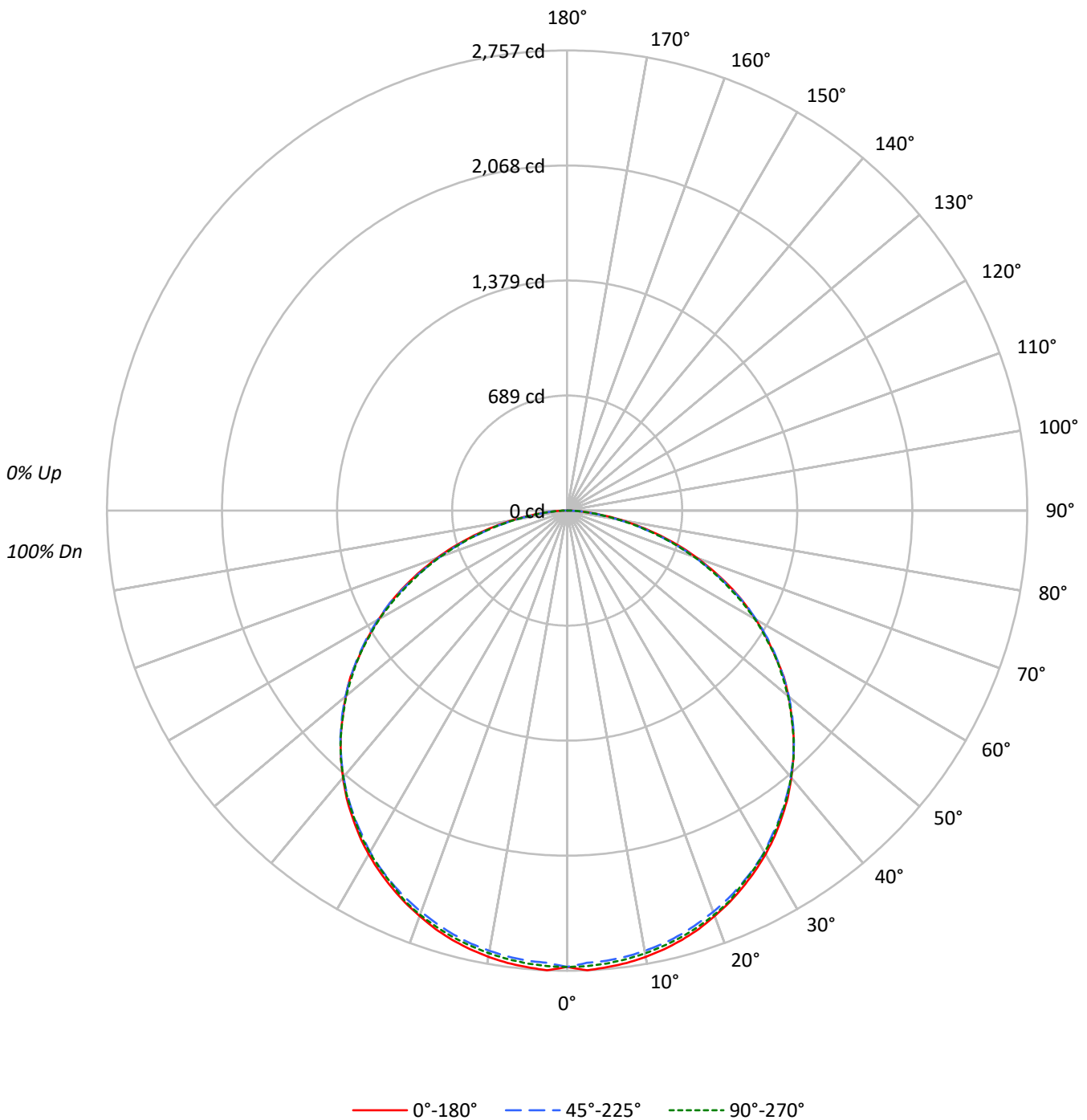
Lumens per Lamp: N/A
Luminaire Lumens: 8184.0 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 62.2
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°	29429	29429	29429
5°	29666	29254	29429
10°	29680	29276	29440
15°	29668	29307	29474
20°	29607	29302	29514
25°	29572	29338	29392
30°	29551	29365	29394
35°	29479	29296	29342
40°	29360	29296	29312
45°	29201	29255	29201
50°	29004	29062	28906
55°	28553	28705	28553
60°	28070	28195	27947
65°	27377	27051	26758
70°	26071	25489	25416
75°	24059	22903	22998
80°	20586	19290	19650
85°	15290	15006	14005



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	259.5	3.2
10°-20°	747.6	9.1
20°-30°	1144.5	14.0
30°-40°	1400.0	17.1
40°-50°	1480.8	18.1
50°-60°	1364.4	16.7
60°-70°	1050.1	12.8
70°-80°	590.0	7.2
80°-90°	147.2	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°	2151.5	26.3
0°-40°	3551.6	43.4
0°-60°	6396.7	78.2
0°-90°	8184.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8184.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2734	2734	2734	2734	2734	
5°	2746	2738	2707	2732	2724	261
15°	2662	2655	2630	2653	2645	752
25°	2490	2488	2470	2488	2475	1148
35°	2243	2240	2230	2240	2233	1404
45°	1918	1924	1922	1917	1918	1479
55°	1522	1535	1530	1525	1522	1363
65°	1075	1077	1062	1047	1051	1060
75°	578	569	551	543	553	609
85°	124	122	122	118	113	153
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2734.0	2734.0	2734.0	2734.0	2734.0
2.5°	2757.1	2742.1	2712.0	2738.6	2731.7
5°	2745.6	2737.5	2707.4	2731.7	2723.6
7.5°	2734.0	2724.7	2695.8	2722.4	2710.9
10°	2715.5	2707.4	2678.5	2703.9	2693.5
12.5°	2691.2	2684.2	2657.6	2681.9	2671.5
15°	2662.3	2655.3	2629.9	2653.0	2644.9
17.5°	2627.6	2619.5	2595.2	2619.5	2613.7
20°	2584.7	2580.1	2558.1	2580.1	2576.6
22.5°	2540.8	2535.0	2517.6	2533.8	2535.0
25°	2489.9	2487.6	2470.2	2487.6	2474.8
27.5°	2436.6	2436.6	2419.3	2430.9	2422.8
30°	2377.6	2376.5	2362.6	2368.4	2364.9
32.5°	2314.0	2312.8	2294.3	2309.4	2303.6
35°	2243.4	2240.0	2229.5	2240.0	2233.0
37.5°	2170.5	2167.1	2159.0	2164.8	2163.6
40°	2089.5	2089.5	2084.9	2089.5	2086.1
42.5°	2006.2	2009.7	2003.9	2008.6	2008.6
45°	1918.3	1924.1	1921.8	1917.2	1918.3
47.5°	1824.6	1835.0	1829.2	1828.1	1822.3
50°	1732.0	1741.3	1735.5	1729.7	1726.2
52.5°	1636.0	1640.6	1633.7	1631.4	1623.3
55°	1521.5	1535.3	1529.6	1524.9	1521.5
57.5°	1416.2	1426.6	1422.0	1412.7	1406.9
60°	1303.9	1312.0	1309.7	1299.3	1298.2
62.5°	1194.0	1196.3	1194.0	1175.5	1176.7
65°	1074.9	1077.2	1062.1	1047.1	1050.6
67.5°	949.9	956.8	936.0	914.0	929.1
70°	828.4	826.1	809.9	785.6	807.6
72.5°	703.5	701.1	682.6	665.3	680.3
75°	578.5	569.2	550.7	542.6	553.0
77.5°	448.9	438.5	430.4	424.6	429.2
80°	332.1	318.2	311.2	306.6	317.0
82.5°	221.0	210.6	207.1	210.6	208.3
85°	123.8	121.5	121.5	118.0	113.4
87.5°	50.9	53.2	54.4	53.2	50.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)