

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: P566947

Luminaire Tested: **4SNX-87HL-UNV-L935-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566947
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-L935-CD
Description: 4FT 8700 LUMEN, SNX FIXTURE WITH 3500K, 90CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

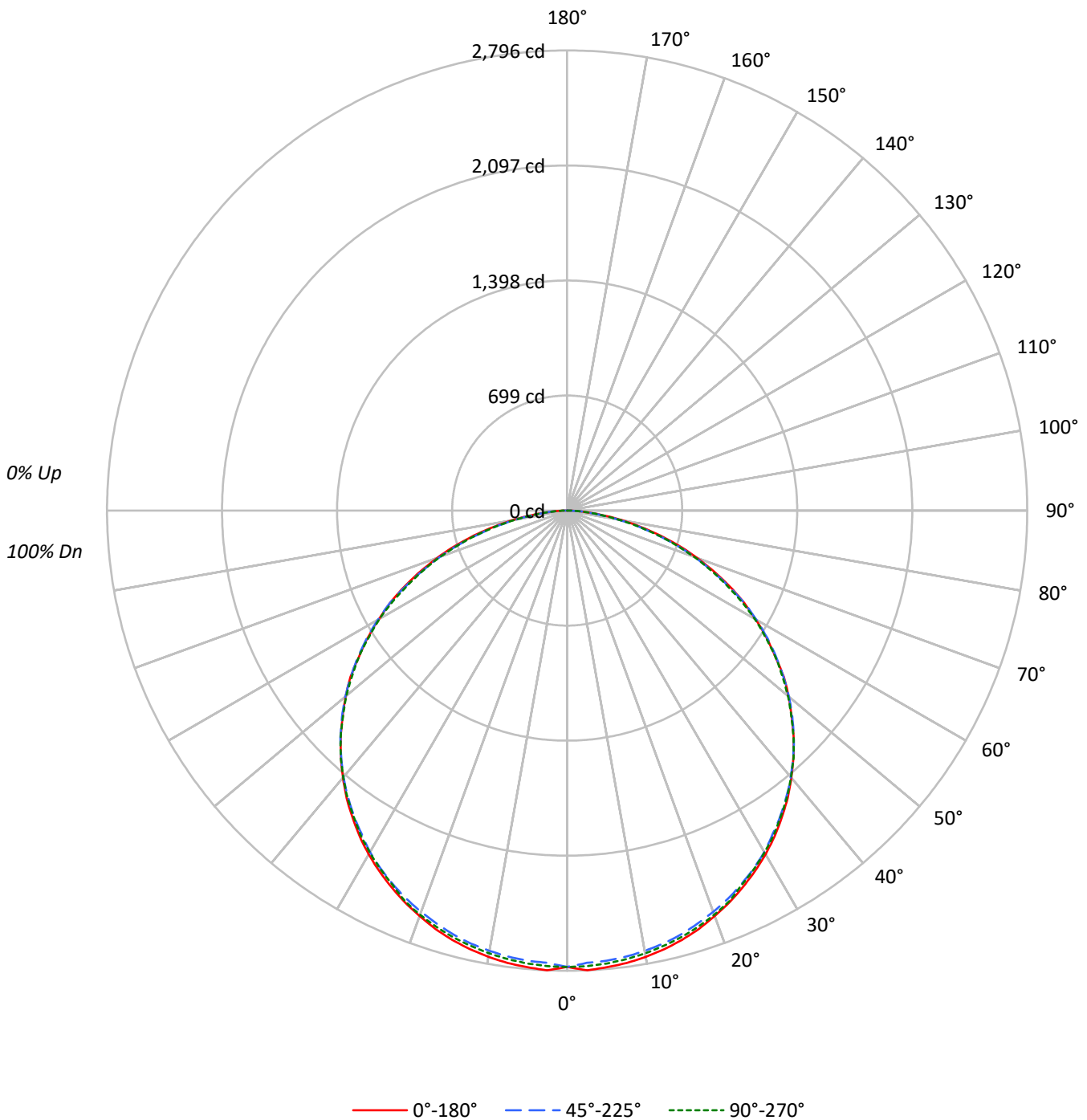
Lumens per Lamp: N/A
Luminaire Lumens: 8300.0 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

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°	29845	29845	29845
5°	30087	29668	29846
10°	30101	29690	29857
15°	30088	29721	29892
20°	30027	29718	29933
25°	29991	29753	29809
30°	29970	29781	29810
35°	29897	29712	29759
40°	29778	29711	29727
45°	29615	29669	29615
50°	29415	29474	29317
55°	28956	29110	28956
60°	28468	28595	28344
65°	27764	27436	27135
70°	26442	25851	25775
75°	24400	23227	23327
80°	20877	19563	19929
85°	15512	15215	14203



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.1	3.2
10°-20°	758.2	9.1
20°-30°	1160.7	14.0
30°-40°	1419.9	17.1
40°-50°	1501.8	18.1
50°-60°	1383.7	16.7
60°-70°	1065.0	12.8
70°-80°	598.3	7.2
80°-90°	149.3	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°	2182.0	26.3
0°-40°	3601.9	43.4
0°-60°	6487.4	78.2
0°-90°	8300.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	8300.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2773	2773	2773	2773	2773	
5°	2784	2776	2746	2770	2762	265
15°	2700	2693	2667	2691	2682	762
25°	2525	2523	2505	2523	2510	1165
35°	2275	2272	2261	2272	2265	1424
45°	1946	1951	1949	1944	1946	1500
55°	1543	1557	1551	1546	1543	1382
65°	1090	1092	1077	1062	1065	1075
75°	587	577	558	550	561	618
85°	126	123	123	120	115	155
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2772.7	2772.7	2772.7	2772.7	2772.7
2.5°	2796.2	2781.0	2750.5	2777.4	2770.4
5°	2784.5	2776.3	2745.8	2770.4	2762.2
7.5°	2772.7	2763.4	2734.0	2761.0	2749.3
10°	2754.0	2745.8	2716.4	2742.2	2731.7
12.5°	2729.3	2722.3	2695.3	2719.9	2709.4
15°	2700.0	2693.0	2667.1	2690.6	2682.4
17.5°	2664.8	2656.6	2631.9	2656.6	2650.7
20°	2621.4	2616.7	2594.4	2616.7	2613.2
22.5°	2576.8	2570.9	2553.3	2569.7	2570.9
25°	2525.2	2522.8	2505.2	2522.8	2509.9
27.5°	2471.2	2471.2	2453.6	2465.3	2457.1
30°	2411.3	2410.2	2396.1	2402.0	2398.4
32.5°	2346.8	2345.6	2326.9	2342.1	2336.2
35°	2275.2	2271.7	2261.1	2271.7	2264.7
37.5°	2201.3	2197.8	2189.6	2195.4	2194.3
40°	2119.2	2119.2	2114.5	2119.2	2115.6
42.5°	2034.7	2038.2	2032.3	2037.0	2037.0
45°	1945.5	1951.4	1949.0	1944.3	1945.5
47.5°	1850.5	1861.0	1855.1	1854.0	1848.1
50°	1756.6	1766.0	1760.1	1754.2	1750.7
52.5°	1659.2	1663.9	1656.8	1654.5	1646.3
55°	1543.0	1557.1	1551.2	1546.5	1543.0
57.5°	1436.2	1446.8	1442.1	1432.7	1426.9
60°	1322.4	1330.6	1328.3	1317.7	1316.6
62.5°	1211.0	1213.3	1211.0	1192.2	1193.3
65°	1090.1	1092.4	1077.2	1061.9	1065.4
67.5°	963.4	970.4	949.3	927.0	942.2
70°	840.2	837.8	821.4	796.7	819.0
72.5°	713.4	711.1	692.3	674.7	690.0
75°	586.7	577.3	558.5	550.3	560.9
77.5°	455.3	444.7	436.5	430.6	435.3
80°	336.8	322.7	315.6	311.0	321.5
82.5°	224.1	213.6	210.0	213.6	211.2
85°	125.6	123.2	123.2	119.7	115.0
87.5°	51.6	54.0	55.1	54.0	51.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)