

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: P566943

Luminaire Tested: **4SNX-87HL-UNV-L835-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566943
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-L835-CD
Description: 4FT 8700 LUMEN, SNX FIXTURE WITH 3500K, 80CRI LEDS AND NO LENS
Light Source: -
Ballast/Driver: -

Summary

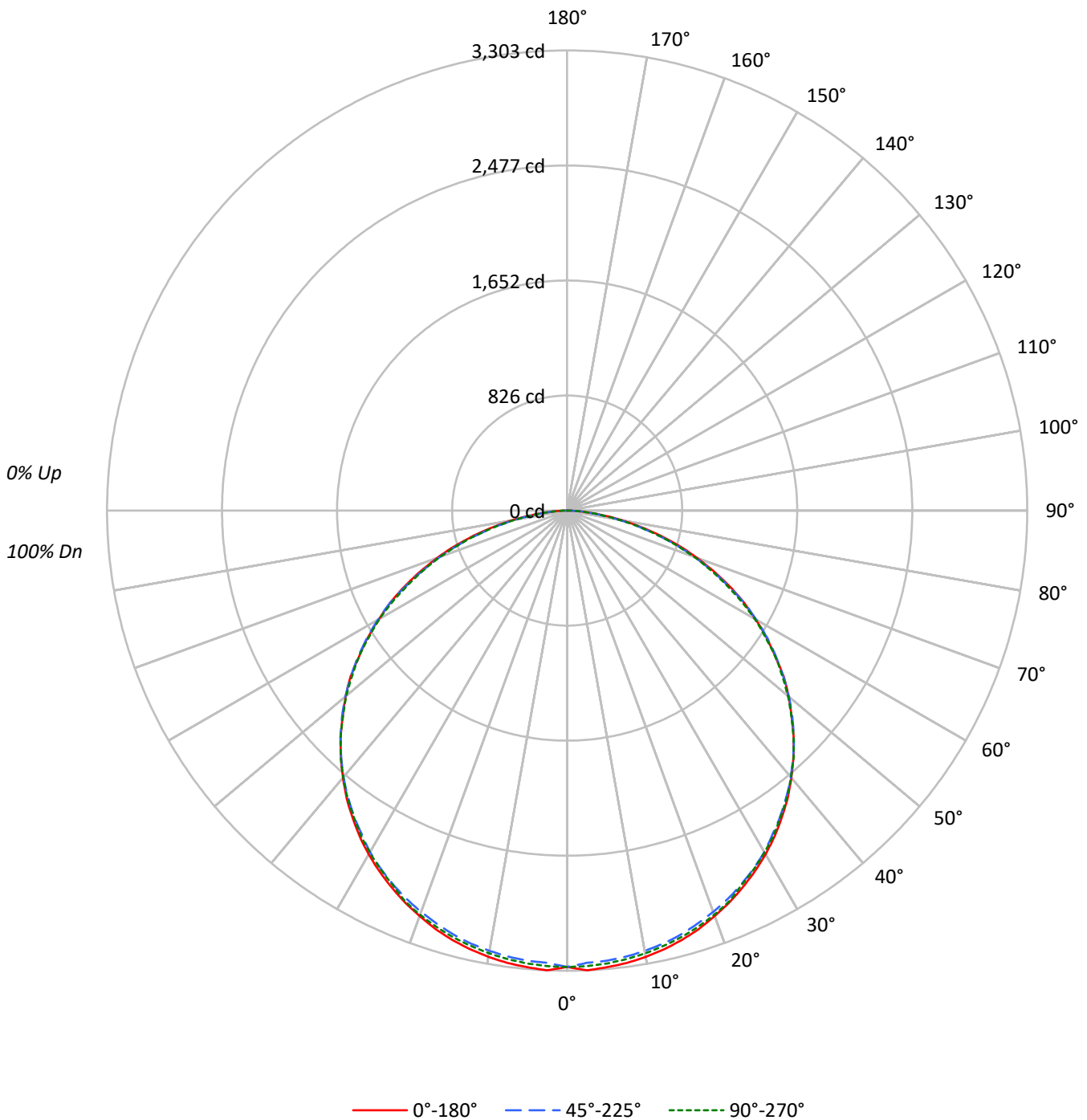
Lumens per Lamp: N/A
Luminaire Lumens: 9805.0 lumens
Efficiency: N/A
Efficacy: 157.6 lumens/watt
Spacing Criteria (0/90/45): 1.29 / 1.29 / 1.41
Luminous Opening: Rectangular (W 0.25' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 62.2
Input Voltage (V): NR
Input Current (Ain): 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°	35257	35257	35257
5°	35542	35047	35257
10°	35558	35074	35271
15°	35544	35111	35312
20°	35472	35106	35361
25°	35428	35149	35214
30°	35406	35182	35215
35°	35319	35099	35154
40°	35176	35099	35118
45°	34986	35048	34986
50°	34749	34819	34633
55°	34207	34389	34207
60°	33631	33779	33482
65°	32800	32410	32056
70°	31236	30537	30449
75°	28825	27440	27557
80°	24658	23115	23543
85°	18315	17970	16772



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	310.9	3.2
10°-20°	895.7	9.1
20°-30°	1371.2	14.0
30°-40°	1677.3	17.1
40°-50°	1774.1	18.1
50°-60°	1634.6	16.7
60°-70°	1258.1	12.8
70°-80°	706.8	7.2
80°-90°	176.3	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°	2577.7	26.3
0°-40°	4255.0	43.4
0°-60°	7663.7	78.2
0°-90°	9805.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	9805.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3276	3276	3276	3276	3276	
5°	3289	3280	3244	3273	3263	313
15°	3190	3181	3151	3178	3169	900
25°	2983	2980	2960	2980	2965	1376
35°	2688	2684	2671	2684	2675	1682
45°	2298	2305	2302	2297	2298	1772
55°	1823	1839	1832	1827	1823	1632
65°	1288	1290	1272	1254	1259	1270
75°	693	682	660	650	663	730
85°	148	146	146	141	136	183
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3275.5	3275.5	3275.5	3275.5	3275.5
2.5°	3303.2	3285.2	3249.2	3281.1	3272.7
5°	3289.4	3279.7	3243.6	3272.7	3263.0
7.5°	3275.5	3264.4	3229.8	3261.7	3247.8
10°	3253.3	3243.6	3209.0	3239.5	3227.0
12.5°	3224.2	3215.9	3184.0	3213.1	3200.7
15°	3189.6	3181.3	3150.8	3178.5	3168.8
17.5°	3148.0	3138.3	3109.2	3138.3	3131.4
20°	3096.7	3091.2	3064.8	3091.2	3087.0
22.5°	3044.0	3037.1	3016.3	3035.7	3037.1
25°	2983.0	2980.3	2959.5	2980.3	2965.0
27.5°	2919.3	2919.3	2898.5	2912.3	2902.6
30°	2848.6	2847.2	2830.6	2837.5	2833.3
32.5°	2772.3	2771.0	2748.8	2766.8	2759.9
35°	2687.8	2683.6	2671.1	2683.6	2675.3
37.5°	2600.5	2596.3	2586.6	2593.5	2592.1
40°	2503.4	2503.4	2497.9	2503.4	2499.3
42.5°	2403.6	2407.8	2400.8	2406.4	2406.4
45°	2298.3	2305.2	2302.4	2296.9	2298.3
47.5°	2186.0	2198.5	2191.5	2190.1	2183.2
50°	2075.1	2086.2	2079.3	2072.3	2068.2
52.5°	1960.0	1965.6	1957.3	1954.5	1944.8
55°	1822.8	1839.4	1832.5	1827.0	1822.8
57.5°	1696.7	1709.1	1703.6	1692.5	1685.6
60°	1562.2	1571.9	1569.1	1556.7	1555.3
62.5°	1430.5	1433.3	1430.5	1408.3	1409.7
65°	1287.8	1290.5	1272.5	1254.5	1258.6
67.5°	1138.0	1146.4	1121.4	1095.1	1113.1
70°	992.5	989.7	970.3	941.2	967.5
72.5°	842.8	840.0	817.8	797.0	815.1
75°	693.1	682.0	659.8	650.1	662.6
77.5°	537.8	525.4	515.7	508.7	514.3
80°	397.8	381.2	372.9	367.3	379.8
82.5°	264.8	252.3	248.1	252.3	249.5
85°	148.3	145.5	145.5	141.4	135.8
87.5°	61.0	63.8	65.1	63.8	61.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)