

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: P709979

Luminaire Tested: **22ARS-L3C3-NUV-5000K-LOW**

Issue Date: 10/4/2023



Test Information

Test Method: LM-79-08
Report Number: P709979
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2305-014-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22ARS-L3C3-NUV-5000K-LOW
Description: ARS 1x4 Selectable Standard 80CRI Round, SET AT 5000K AND, LOW LUMEN OUTPUT SETTINGS

Light Source: -
Ballast/Driver: -

Summary

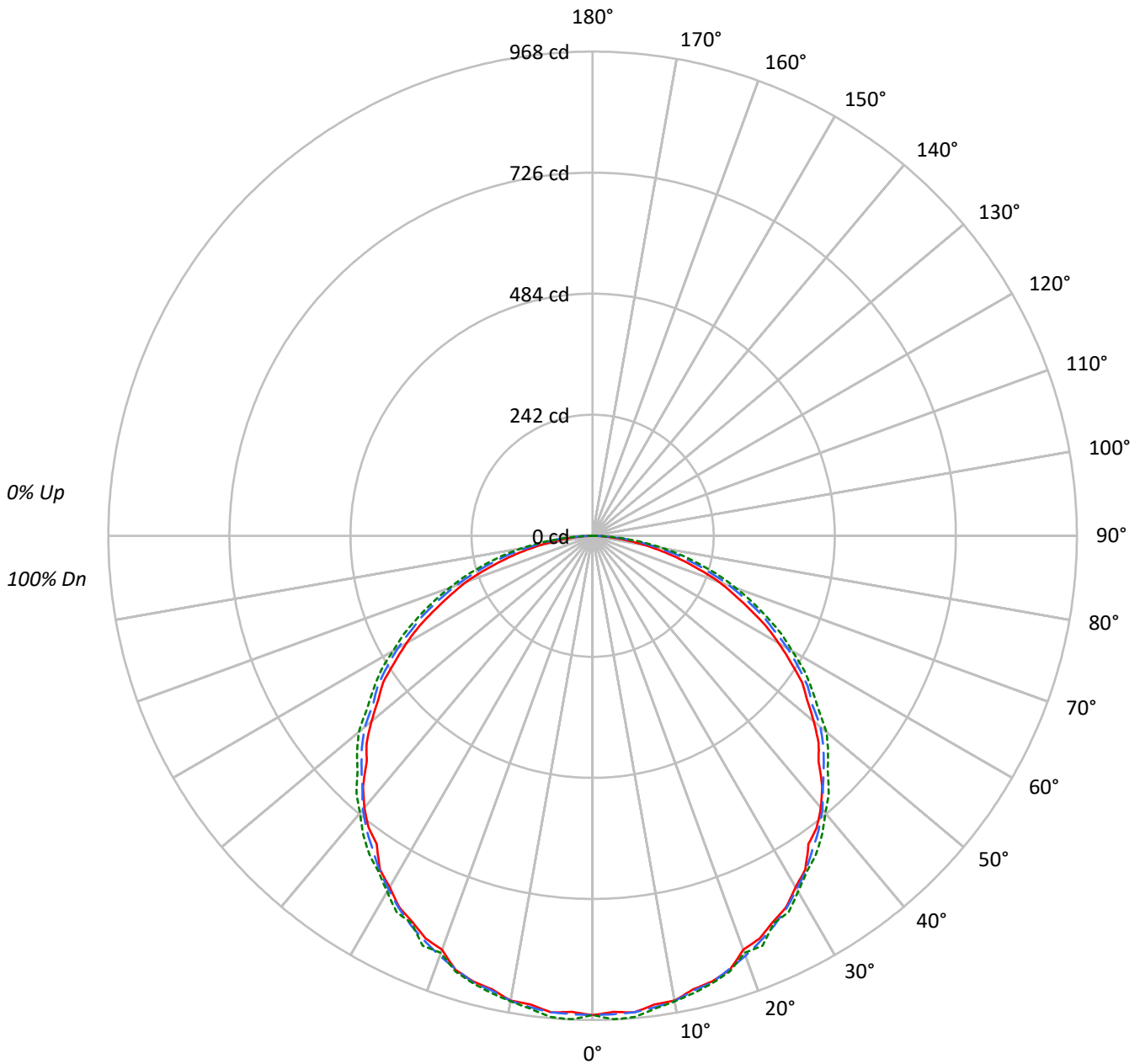
Lumens per Lamp: N/A
Luminaire Lumens: 2841.0 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular (W 1.97' x L: 1.97' x H: 0')
CIE Type: Direct

Input Watts (W): 20.8
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									
RC	80									50									30									10									0
RW	70	50	30	10	70	50	30	10	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	108	103	99	95	106	101	97	94	97	94	91	93	90	88	89	87	85	83																			
2	98	90	83	77	96	88	81	76	84	79	74	81	76	72	78	74	71	69																			
3	89	79	70	64	87	77	69	63	74	67	62	71	66	61	69	64	60	58																			
4	82	70	61	54	79	68	60	53	66	58	53	63	57	52	61	56	51	49																			
5	75	62	53	46	73	61	52	46	59	51	45	57	50	45	55	49	44	42																			
6	69	56	47	40	67	55	46	40	53	45	40	51	44	39	50	44	39	37																			
7	64	50	42	35	62	50	41	35	48	40	35	47	40	35	45	39	34	32																			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	42	35	31	29																			
9	56	42	34	28	54	42	34	28	40	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°	2658	2658	2658
5°	2663	2663	2689
10°	2657	2660	2662
15°	2648	2653	2659
20°	2599	2638	2618
25°	2607	2630	2616
30°	2598	2613	2631
35°	2547	2594	2635
40°	2570	2586	2620
45°	2504	2563	2606
50°	2488	2564	2632
55°	2471	2538	2587
60°	2384	2496	2553
65°	2268	2444	2523
70°	2173	2361	2465
75°	1941	2228	2396
80°	1653	2036	2287
85°	1117	1795	1881



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.9	3.2
10°-20°	260.6	9.2
20°-30°	396.2	13.9
30°-40°	480.4	16.9
40°-50°	505.0	17.8
50°-60°	465.5	16.4
60°-70°	364.3	12.8
70°-80°	217.6	7.7
80°-90°	60.5	2.1
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°	747.6	26.3
0°-40°	1228.1	43.2
0°-60°	2198.6	77.4
0°-90°	2841.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2841.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	958	958	958	958	958	
5°	956	950	956	962	966	91
15°	922	918	924	927	926	260
25°	852	857	859	869	855	393
35°	752	763	766	772	778	476
45°	638	645	653	663	664	497
55°	511	512	525	531	535	453
65°	346	358	372	379	384	344
75°	181	193	208	220	224	193
85°	35	43	56	61	59	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	958.3	958.3	958.3	958.3	958.3
2.5°	952.7	958.3	957.3	963.8	967.5
5°	956.4	950.0	956.4	962.0	965.7
7.5°	945.3	947.2	950.9	952.7	953.6
10°	943.5	939.8	944.4	950.0	945.3
12.5°	928.7	926.8	931.5	944.4	936.1
15°	922.2	918.5	924.1	926.8	925.9
17.5°	910.2	908.4	908.4	913.9	913.0
20°	880.6	892.7	893.6	904.7	887.1
22.5°	871.4	876.0	876.9	885.3	887.1
25°	852.0	856.6	859.4	868.6	854.8
27.5°	837.2	834.4	839.1	840.9	848.3
30°	811.3	809.5	816.0	821.5	821.5
32.5°	791.0	790.1	792.9	796.6	796.6
35°	752.2	763.3	766.1	771.6	778.1
37.5°	735.6	732.8	742.0	750.4	753.1
40°	709.7	706.0	714.3	718.0	723.6
42.5°	679.2	679.2	681.0	694.9	698.6
45°	638.5	645.0	653.3	662.6	664.4
47.5°	612.7	609.9	625.6	631.1	638.5
50°	576.6	581.2	594.2	597.9	609.9
52.5°	540.6	545.2	552.6	564.6	568.3
55°	511.0	511.9	524.9	531.3	535.0
57.5°	468.5	473.1	487.0	494.4	501.8
60°	429.7	432.5	450.0	459.3	460.2
62.5°	390.0	397.4	408.4	420.5	425.1
65°	345.6	357.6	372.4	378.9	384.4
67.5°	304.9	313.3	329.9	342.8	344.7
70°	268.0	274.5	291.1	301.2	304.0
72.5°	223.6	233.8	247.7	262.4	265.2
75°	181.1	193.1	207.9	219.9	223.6
77.5°	141.4	152.5	168.2	178.3	184.8
80°	103.5	110.9	127.5	139.5	143.2
82.5°	66.5	75.8	91.5	103.5	103.5
85°	35.1	43.4	56.4	61.0	59.1
87.5°	12.0	16.6	19.4	22.2	23.1
90°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





— 0°-180° - - 45°-225° - - - - 90°-270°







(END OF REPORT)