

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: P709976

Luminaire Tested: **22ARS-L3C3-NUV-4000K-LOW**

Issue Date: 10/4/2023



Test Information

Test Method: LM-79-08
Report Number: P709976
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-4000K-LOW
Description: ARS 1x4 Selectable Standard 80CRI Round, SET AT 4000K AND, LOW LUMEN OUTPUT SETTINGS

Light Source: -
Ballast/Driver: -

Summary

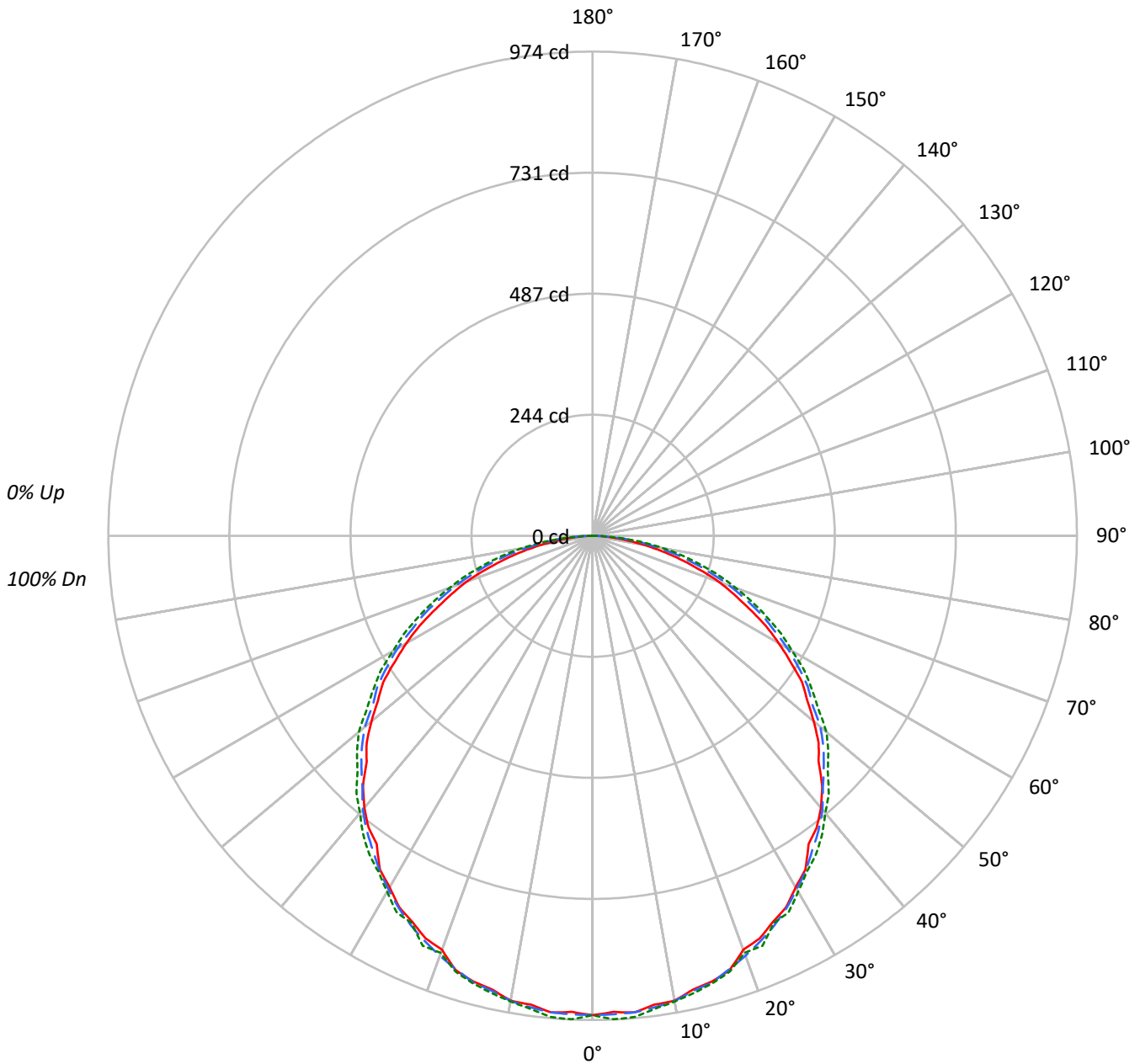
Lumens per Lamp: N/A
Luminaire Lumens: 2859.0 lumens
Efficiency: N/A
Efficacy: 142.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular (W 1.97' x L: 1.97' x H: 0')
CIE Type: Direct

Input Watts (W): 20.1
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°	2675	2675	2675
5°	2680	2680	2706
10°	2674	2677	2679
15°	2665	2670	2676
20°	2616	2654	2635
25°	2624	2647	2632
30°	2615	2630	2648
35°	2563	2610	2651
40°	2586	2603	2636
45°	2521	2579	2623
50°	2504	2580	2648
55°	2487	2554	2603
60°	2399	2512	2569
65°	2283	2460	2539
70°	2187	2375	2481
75°	1954	2242	2411
80°	1664	2049	2302
85°	1123	1804	1893



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.5	3.2
10°-20°	262.2	9.2
20°-30°	398.7	13.9
30°-40°	483.5	16.9
40°-50°	508.2	17.8
50°-60°	468.5	16.4
60°-70°	366.6	12.8
70°-80°	219.0	7.7
80°-90°	60.9	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°	752.4	26.3
0°-40°	1235.8	43.2
0°-60°	2212.5	77.4
0°-90°	2859.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2859.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	964	964	964	964	964	
5°	962	956	962	968	972	91
15°	928	924	930	933	932	261
25°	857	862	865	874	860	396
35°	757	768	771	776	783	479
45°	643	649	658	667	669	500
55°	514	515	528	535	538	455
65°	348	360	375	381	387	346
75°	182	194	209	221	225	194
85°	35	44	57	61	60	45
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	964.3	964.3	964.3	964.3	964.3
2.5°	958.8	964.3	963.4	969.9	973.6
5°	962.5	956.0	962.5	968.1	971.8
7.5°	951.3	953.2	956.9	958.8	959.7
10°	949.5	945.7	950.4	956.0	951.3
12.5°	934.6	932.7	937.4	950.4	942.0
15°	928.1	924.4	929.9	932.7	931.8
17.5°	916.0	914.1	914.1	919.7	918.8
20°	886.2	898.3	899.2	910.4	892.7
22.5°	876.9	881.6	882.5	890.9	892.7
25°	857.4	862.0	864.8	874.1	860.2
27.5°	842.5	839.7	844.4	846.2	853.7
30°	816.5	814.6	821.1	826.7	826.7
32.5°	796.0	795.1	797.9	801.6	801.6
35°	757.0	768.1	770.9	776.5	783.0
37.5°	740.2	737.4	746.7	755.1	757.9
40°	714.2	710.5	718.8	722.6	728.1
42.5°	683.5	683.5	685.4	699.3	703.0
45°	642.6	649.1	657.5	666.8	668.6
47.5°	616.5	613.8	629.6	635.1	642.6
50°	580.3	584.9	597.9	601.7	613.8
52.5°	544.0	548.7	556.1	568.2	571.9
55°	514.3	515.2	528.2	534.7	538.4
57.5°	471.5	476.1	490.1	497.5	505.0
60°	432.4	435.2	452.9	462.2	463.1
62.5°	392.4	399.9	411.0	423.1	427.8
65°	347.8	359.9	374.8	381.3	386.9
67.5°	306.9	315.2	332.0	345.0	346.9
70°	269.7	276.2	292.9	303.2	305.9
72.5°	225.0	235.3	249.2	264.1	266.9
75°	182.3	194.4	209.2	221.3	225.0
77.5°	142.3	153.4	169.2	179.5	186.0
80°	104.2	111.6	128.3	140.4	144.1
82.5°	67.0	76.3	92.1	104.2	104.2
85°	35.3	43.7	56.7	61.4	59.5
87.5°	12.1	16.7	19.5	22.3	23.2
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)