

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: P709622

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

Issue Date: 9/22/2023



Test Information

Test Method: LM-79-08
Report Number: P709622
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2305-014-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/22/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22ARS-L3C3-UNV-5000K-LOW
Description: ARS 2x2 Selectable Standard 80CRI Round, SET AT 5000K AND, LOW LUMEN OUTPUT SETTINGS

Light Source: -
Ballast/Driver: -

Summary

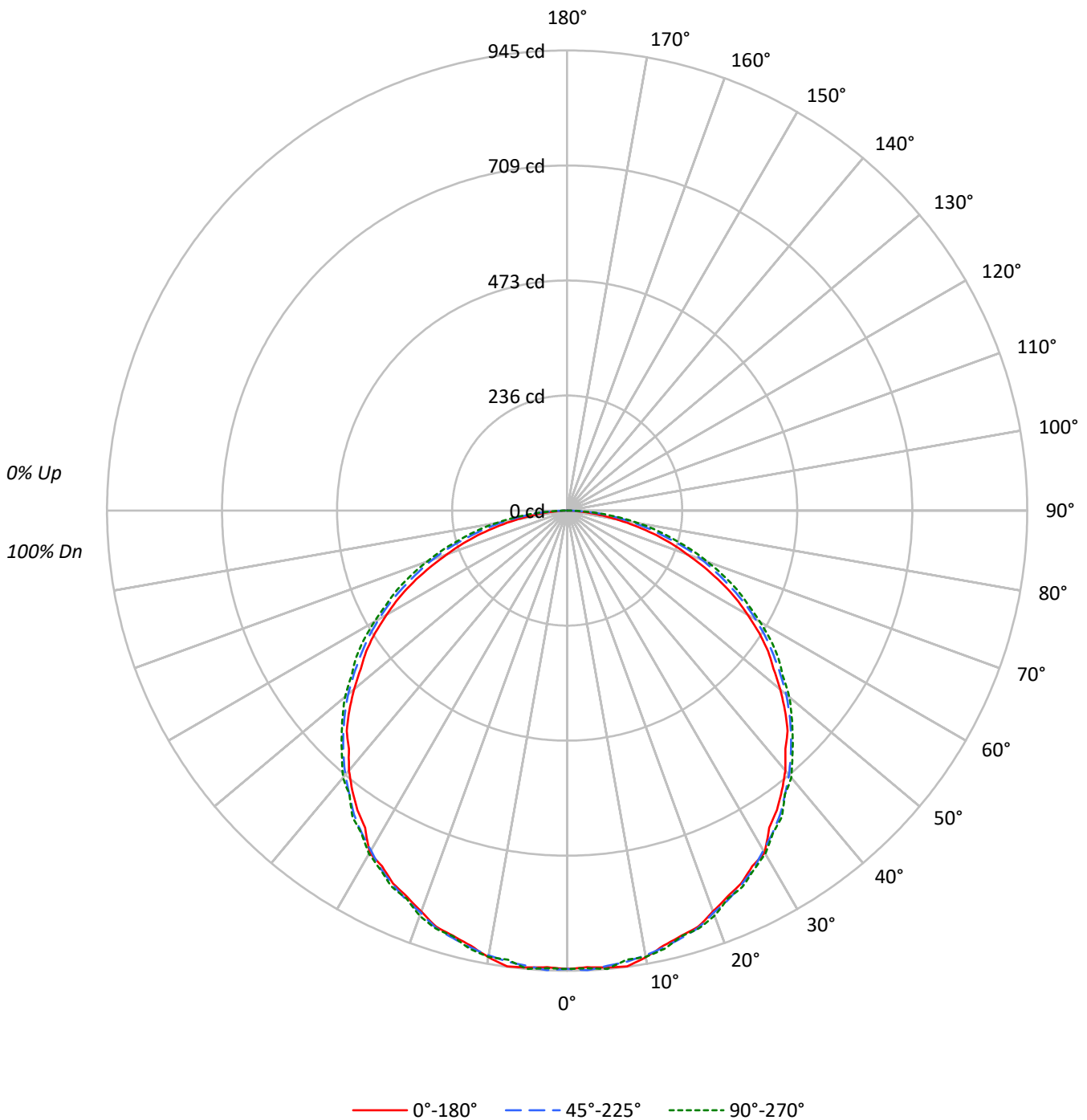
Lumens per Lamp: N/A
Luminaire Lumens: 2823.0 lumens
Efficiency: N/A
Efficacy: 135.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.4
Luminous Opening: Rectangular (W 1.97' x L: 1.97' x H: 0')
CIE Type: Direct

Input Watts (W): 20.8
Input Voltage (V): NR
Input Current (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	108	103	99	95	106	101	97	93	97	93	90		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	68
3	89	78	70	63	87	77	69	63	74	67	62		71	65	61		68	64	59	57
4	82	69	60	53	79	68	60	53	65	58	52		63	57	52		61	55	51	49
5	75	62	53	46	73	61	52	46	58	51	45		56	50	45		55	49	44	42
6	69	56	46	40	67	55	46	40	53	45	39		51	44	39		49	43	39	36
7	64	50	41	35	62	49	41	35	48	40	35		46	40	34		45	39	34	32
8	60	46	37	31	58	45	37	31	44	36	31		43	36	31		41	35	31	29
9	56	42	34	28	54	41	33	28	40	33	28		39	32	28		38	32	28	26
10	52	39	31	25	51	38	31	25	37	30	25		36	30	25		35	29	25	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2611	2611	2611
5°	2622	2613	2630
10°	2623	2612	2620
15°	2596	2609	2599
20°	2586	2594	2613
25°	2587	2593	2609
30°	2598	2581	2606
35°	2542	2582	2601
40°	2524	2566	2593
45°	2511	2551	2570
50°	2465	2532	2570
55°	2437	2502	2563
60°	2373	2480	2536
65°	2292	2426	2530
70°	2126	2385	2485
75°	1952	2248	2421
80°	1626	2115	2365
85°	1225	1960	2072



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.3	3.2
10°-20°	256.2	9.1
20°-30°	390.3	13.8
30°-40°	475.1	16.8
40°-50°	500.3	17.7
50°-60°	462.4	16.4
60°-70°	364.7	12.9
70°-80°	220.6	7.8
80°-90°	64.1	2.3
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°	735.8	26.1
0°-40°	1210.8	42.9
0°-60°	2173.5	77.0
0°-90°	2823.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2823.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	941	941	941	941	941	
5°	942	937	939	938	945	90
15°	904	908	909	906	905	256
25°	845	843	847	849	853	389
35°	751	754	763	764	768	470
45°	640	641	650	656	655	491
55°	504	507	517	528	530	449
65°	349	357	370	382	386	344
75°	182	194	210	225	226	192
85°	38	48	62	63	65	46
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	941.3	941.3	941.3	941.3	941.3
2.5°	938.7	943.5	944.8	940.9	940.5
5°	941.8	937.4	938.7	937.8	944.8
7.5°	944.0	937.0	934.3	932.2	930.4
10°	931.3	928.2	927.4	926.9	930.4
12.5°	915.1	917.7	918.6	917.3	922.1
15°	904.2	907.7	908.6	905.5	905.1
17.5°	895.9	893.3	898.1	893.3	899.8
20°	876.2	878.4	878.8	883.2	885.4
22.5°	858.7	864.9	864.9	867.9	862.2
25°	845.2	843.0	847.4	848.7	852.6
27.5°	823.3	822.0	829.0	824.2	830.8
30°	811.1	804.1	805.9	809.4	813.7
32.5°	772.2	782.7	785.3	787.1	786.2
35°	750.8	753.9	762.6	763.9	768.3
37.5°	724.6	723.7	734.6	739.0	734.6
40°	697.0	699.7	708.8	713.7	716.3
42.5°	663.4	669.5	680.0	685.2	684.8
45°	640.2	640.7	650.3	655.5	655.1
47.5°	606.6	610.5	619.7	627.6	625.4
50°	571.2	577.7	586.9	593.9	595.7
52.5°	534.5	542.3	552.0	565.9	558.5
55°	503.9	507.4	517.4	528.4	530.1
57.5°	467.6	471.5	483.3	493.0	496.0
60°	427.8	431.8	447.1	458.9	457.1
62.5°	390.7	396.8	409.9	420.4	419.1
65°	349.2	356.6	369.7	382.4	385.5
67.5°	305.0	315.1	331.7	345.7	346.1
70°	262.2	274.0	294.1	305.5	306.4
72.5°	224.2	232.9	253.9	266.1	267.0
75°	182.2	194.0	209.8	224.6	225.9
77.5°	141.6	153.8	171.7	186.2	189.2
80°	101.8	115.4	132.4	146.0	148.1
82.5°	66.9	80.0	96.6	108.8	108.8
85°	38.5	47.6	61.6	63.4	65.1
87.5°	12.7	18.4	23.2	24.9	25.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)