

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: P709973

Luminaire Tested: **22ARS-L3C3-NUV-3500K-LOW**

Issue Date: 10/4/2023



Test Information

Test Method: LM-79-08
Report Number: P709973
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-3500K-LOW
Description: ARS 1x4 Selectable Standard 80CRI Round, SET AT 3500K AND, LOW LUMEN OUTPUT SETTINGS

Light Source: -
Ballast/Driver: -

Summary

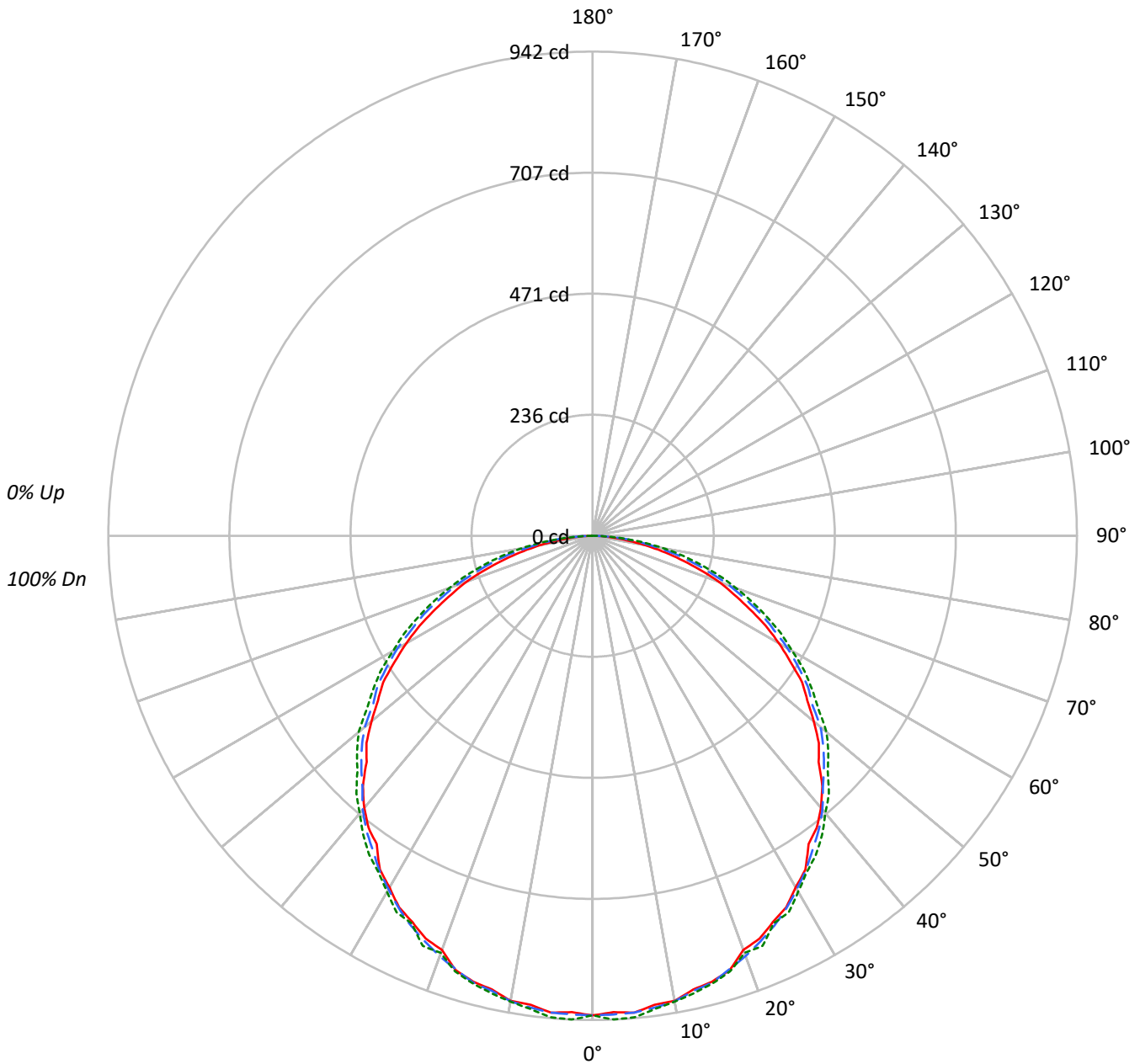
Lumens per Lamp: N/A
Luminaire Lumens: 2766.0 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular (W 1.97' x L: 1.97' x H: 0')
CIE Type: Direct

Input Watts (W): 20.6
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

TEST NUMBER: P709973

CATALOG NUMBER: 22ARS-L3C3-NUV-3500K-LOW

Luminous Intensity Polar Plot





TEST NUMBER: P709973

CATALOG NUMBER: 22ARS-L3C3-NUV-3500K-LOW

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°	2588	2588	2588
5°	2593	2593	2618
10°	2587	2590	2592
15°	2578	2583	2589
20°	2531	2568	2549
25°	2539	2561	2547
30°	2530	2544	2561
35°	2479	2525	2565
40°	2502	2518	2551
45°	2439	2495	2537
50°	2422	2496	2562
55°	2406	2471	2519
60°	2321	2430	2485
65°	2208	2380	2456
70°	2116	2298	2400
75°	1889	2169	2333
80°	1610	1984	2228
85°	1088	1747	1833



TEST NUMBER: P709973

CATALOG NUMBER: 22ARS-L3C3-NUV-3500K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.5	3.2
10°-20°	253.7	9.2
20°-30°	385.7	13.9
30°-40°	467.7	16.9
40°-50°	491.6	17.8
50°-60°	453.2	16.4
60°-70°	354.7	12.8
70°-80°	211.9	7.7
80°-90°	58.9	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°	727.9	26.3
0°-40°	1195.6	43.2
0°-60°	2140.5	77.4
0°-90°	2766.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2766.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	933	933	933	933	933	
5°	931	925	931	937	940	88
15°	898	894	900	902	902	253
25°	830	834	837	846	832	383
35°	732	743	746	751	758	463
45°	622	628	636	645	647	484
55°	498	498	511	517	521	441
65°	336	348	363	369	374	335
75°	176	188	202	214	218	188
85°	34	42	55	59	58	44
90°	0	0	0	0	0	



TEST NUMBER: P709973

CATALOG NUMBER: 22ARS-L3C3-NUV-3500K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	933.0	933.0	933.0	933.0	933.0
2.5°	927.6	933.0	932.1	938.4	942.0
5°	931.2	924.9	931.2	936.6	940.2
7.5°	920.4	922.2	925.8	927.6	928.5
10°	918.6	915.0	919.5	924.9	920.4
12.5°	904.2	902.4	906.9	919.5	911.4
15°	897.9	894.3	899.7	902.4	901.5
17.5°	886.2	884.4	884.4	889.8	888.9
20°	857.4	869.1	870.0	880.8	863.7
22.5°	848.4	852.9	853.8	861.9	863.7
25°	829.5	834.0	836.7	845.7	832.2
27.5°	815.1	812.4	816.9	818.7	825.9
30°	789.9	788.1	794.4	799.8	799.8
32.5°	770.1	769.2	771.9	775.5	775.5
35°	732.3	743.1	745.8	751.2	757.5
37.5°	716.1	713.4	722.4	730.5	733.2
40°	691.0	687.4	695.5	699.1	704.5
42.5°	661.3	661.3	663.1	676.6	680.2
45°	621.7	628.0	636.1	645.1	646.9
47.5°	596.5	593.8	609.1	614.5	621.7
50°	561.4	565.9	578.5	582.1	593.8
52.5°	526.3	530.8	538.0	549.7	553.3
55°	497.5	498.4	511.0	517.3	520.9
57.5°	456.1	460.6	474.1	481.3	488.5
60°	418.4	421.1	438.1	447.1	448.0
62.5°	379.7	386.9	397.7	409.4	413.9
65°	336.5	348.2	362.6	368.9	374.3
67.5°	296.9	305.0	321.2	333.8	335.6
70°	260.9	267.2	283.4	293.3	296.0
72.5°	217.7	227.6	241.1	255.5	258.2
75°	176.3	188.0	202.4	214.1	217.7
77.5°	137.7	148.4	163.7	173.6	179.9
80°	100.8	108.0	124.2	135.9	139.5
82.5°	64.8	73.8	89.1	100.8	100.8
85°	34.2	42.3	54.9	59.4	57.6
87.5°	11.7	16.2	18.9	21.6	22.5
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)