

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: P721826

Luminaire Tested: **22ARS-L3C3-HO-UNV-5000K-MID**

Issue Date: 10/25/2023



Test Information

Test Method: LM-79-08
Report Number: P721826
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2305-014-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 22ARS-L3C3-HO-UNV-5000K-MID
Description: ARS 2x2 Selectable High Output 80CRI , SET AT 5000K AND, MID LUMEN
OUTPUT SETTINGS

Light Source: -
Ballast/Driver: -

Summary

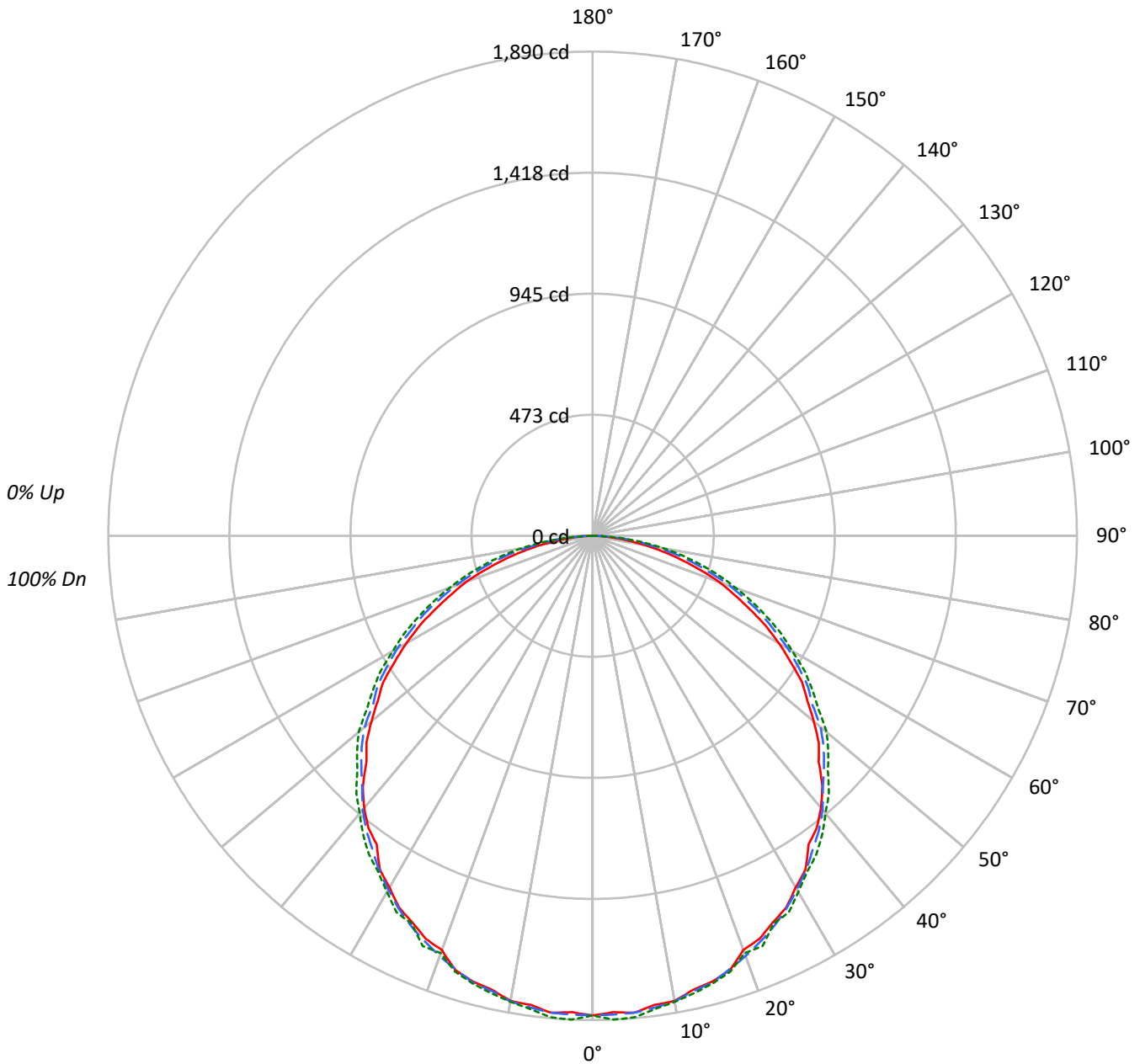
Lumens per Lamp: N/A
Luminaire Lumens: 5551.0 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular (W 1.97' x L: 1.97' x H: 0')
CIE Type: Direct

Input Watts (W): 42.2
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°	5193	5193	5193
5°	5203	5203	5253
10°	5192	5197	5202
15°	5174	5184	5195
20°	5079	5153	5116
25°	5094	5139	5111
30°	5077	5106	5141
35°	4976	5068	5148
40°	5021	5053	5118
45°	4894	5007	5092
50°	4862	5010	5142
55°	4828	4959	5055
60°	4657	4878	4988
65°	4432	4775	4929
70°	4246	4612	4817
75°	3792	4353	4682
80°	3230	3980	4471
85°	2183	3504	3679



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	177.6	3.2
10°-20°	509.1	9.2
20°-30°	774.1	13.9
30°-40°	938.7	16.9
40°-50°	986.6	17.8
50°-60°	909.6	16.4
60°-70°	711.8	12.8
70°-80°	425.2	7.7
80°-90°	118.3	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°	1460.8	26.3
0°-40°	2399.5	43.2
0°-60°	4295.8	77.4
0°-90°	5551.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5551.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1872	1872	1872	1872	1872	
5°	1869	1856	1869	1880	1887	177
15°	1802	1795	1806	1811	1809	507
25°	1665	1674	1679	1697	1670	768
35°	1470	1491	1497	1508	1520	930
45°	1248	1260	1276	1295	1298	971
55°	998	1000	1026	1038	1045	884
65°	675	699	728	740	751	672
75°	354	377	406	430	437	377
85°	69	85	110	119	116	88
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1872.3	1872.3	1872.3	1872.3	1872.3
2.5°	1861.5	1872.3	1870.5	1883.2	1890.4
5°	1868.7	1856.1	1868.7	1879.6	1886.8
7.5°	1847.1	1850.7	1857.9	1861.5	1863.3
10°	1843.5	1836.2	1845.3	1856.1	1847.1
12.5°	1814.6	1811.0	1820.0	1845.3	1829.0
15°	1801.9	1794.7	1805.5	1811.0	1809.2
17.5°	1778.5	1774.8	1774.8	1785.7	1783.9
20°	1720.7	1744.2	1746.0	1767.6	1733.3
22.5°	1702.6	1711.7	1713.5	1729.7	1733.3
25°	1664.7	1673.7	1679.2	1697.2	1670.1
27.5°	1635.8	1630.4	1639.4	1643.0	1657.5
30°	1585.3	1581.7	1594.3	1605.1	1605.1
32.5°	1545.5	1543.7	1549.2	1556.4	1556.4
35°	1469.7	1491.4	1496.8	1507.6	1520.3
37.5°	1437.2	1431.8	1449.9	1466.1	1471.5
40°	1386.7	1379.4	1395.7	1402.9	1413.7
42.5°	1327.1	1327.1	1330.7	1357.8	1365.0
45°	1247.6	1260.3	1276.5	1294.6	1298.2
47.5°	1197.1	1191.7	1222.4	1233.2	1247.6
50°	1126.7	1135.7	1161.0	1168.2	1191.7
52.5°	1056.2	1065.3	1079.7	1103.2	1110.4
55°	998.5	1000.3	1025.5	1038.2	1045.4
57.5°	915.4	924.4	951.5	966.0	980.4
60°	839.6	845.0	879.3	897.4	899.2
62.5°	761.9	776.4	798.1	821.5	830.5
65°	675.3	698.7	727.6	740.3	751.1
67.5°	595.8	612.1	644.6	669.9	673.5
70°	523.6	536.2	568.7	588.6	594.0
72.5°	436.9	456.8	483.9	512.8	518.2
75°	353.9	377.4	406.2	429.7	436.9
77.5°	276.2	297.9	328.6	348.5	361.1
80°	202.2	216.7	249.2	272.6	279.9
82.5°	130.0	148.1	178.7	202.2	202.2
85°	68.6	84.9	110.1	119.2	115.6
87.5°	23.5	32.5	37.9	43.3	45.1
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)