

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: P721822

Luminaire Tested: **22ARS-L3C3-HO-UNV-4000K-LOW**

Issue Date: 10/25/2023



Test Information

Test Method: LM-79-08
Report Number: P721822
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-4000K-LOW
Description: ARS 2x2 Selectable High Output 80CRI , SET AT 4000K AND, LOW LUMEN OUTPUT SETTINGS

Light Source: -
Ballast/Driver: -

Summary

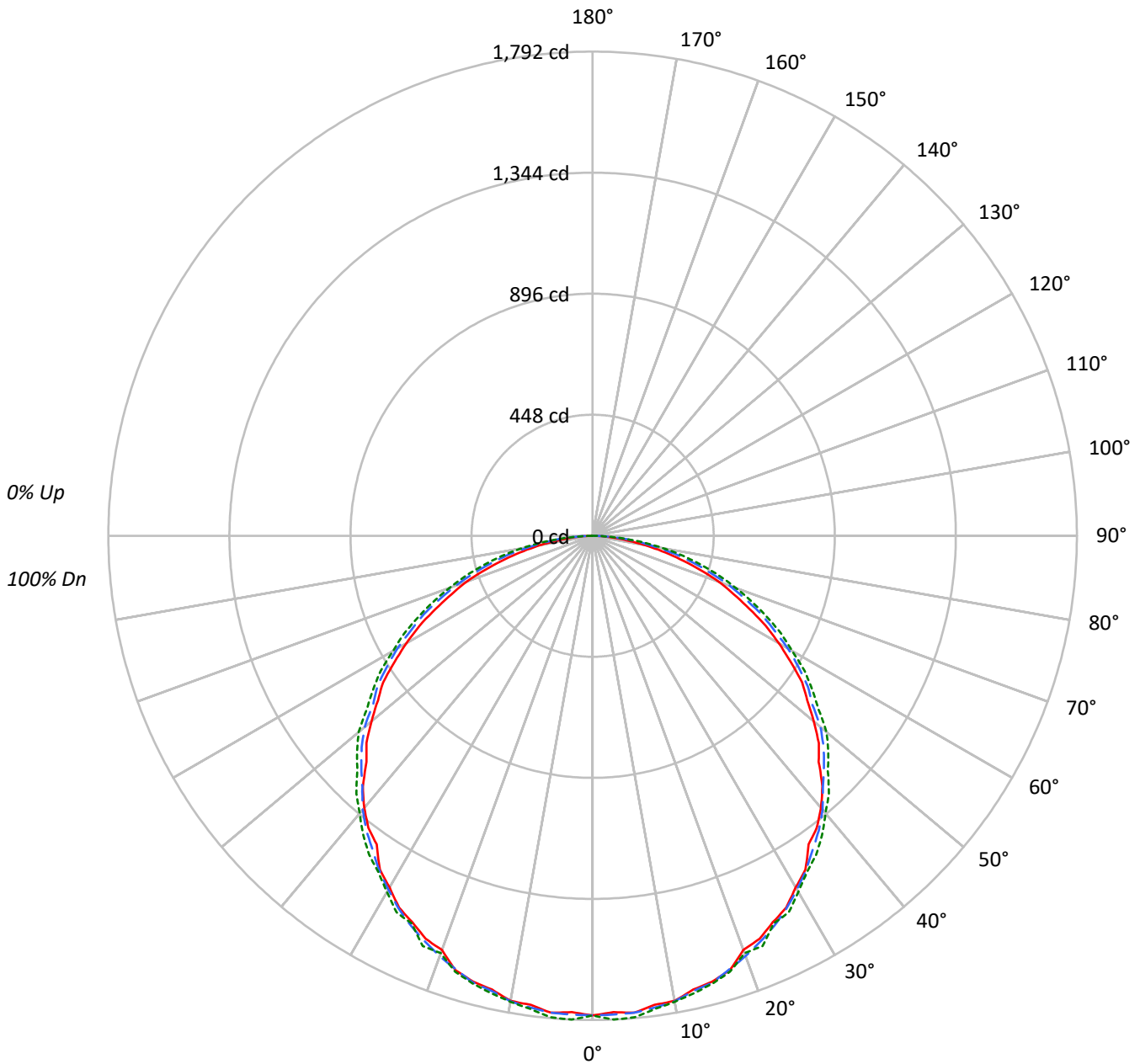
Lumens per Lamp: N/A
Luminaire Lumens: 5263.0 lumens
Efficiency: N/A
Efficacy: 142.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular (W 1.97' x L: 1.97' x H: 0')
CIE Type: Direct

Input Watts (W): 37
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: P721822

CATALOG NUMBER: 22ARS-L3C3-HO-UNV-4000K-LOW

Luminous Intensity Polar Plot





TEST NUMBER: P721822

CATALOG NUMBER: 22ARS-L3C3-HO-UNV-4000K-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°	4924	4924	4924
5°	4933	4933	4981
10°	4922	4927	4932
15°	4906	4916	4925
20°	4815	4886	4851
25°	4830	4872	4846
30°	4814	4841	4874
35°	4718	4805	4880
40°	4760	4791	4853
45°	4640	4747	4828
50°	4609	4749	4875
55°	4578	4702	4793
60°	4416	4625	4729
65°	4202	4528	4673
70°	4025	4373	4567
75°	3595	4128	4440
80°	3062	3773	4237
85°	2072	3322	3488



TEST NUMBER: P721822

CATALOG NUMBER: 22ARS-L3C3-HO-UNV-4000K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.4	3.2
10°-20°	482.7	9.2
20°-30°	733.9	13.9
30°-40°	890.0	16.9
40°-50°	935.4	17.8
50°-60°	862.4	16.4
60°-70°	674.8	12.8
70°-80°	403.1	7.7
80°-90°	112.1	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°	1385.0	26.3
0°-40°	2275.0	43.2
0°-60°	4072.9	77.4
0°-90°	5263.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5263.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1775	1775	1775	1775	1775	
5°	1772	1760	1772	1782	1789	168
15°	1708	1702	1712	1717	1715	481
25°	1578	1587	1592	1609	1584	729
35°	1394	1414	1419	1429	1441	882
45°	1183	1195	1210	1227	1231	920
55°	947	948	972	984	991	838
65°	640	662	690	702	712	637
75°	336	358	385	407	414	357
85°	65	80	104	113	110	83
90°	0	0	0	0	0	



TEST NUMBER: P721822

CATALOG NUMBER: 22ARS-L3C3-HO-UNV-4000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1775.2	1775.2	1775.2	1775.2	1775.2
2.5°	1764.9	1775.2	1773.5	1785.5	1792.3
5°	1771.8	1759.8	1771.8	1782.1	1788.9
7.5°	1751.2	1754.7	1761.5	1764.9	1766.6
10°	1747.8	1741.0	1749.5	1759.8	1751.2
12.5°	1720.4	1717.0	1725.6	1749.5	1734.1
15°	1708.4	1701.6	1711.9	1717.0	1715.3
17.5°	1686.2	1682.8	1682.8	1693.0	1691.3
20°	1631.4	1653.7	1655.4	1675.9	1643.4
22.5°	1614.3	1622.9	1624.6	1640.0	1643.4
25°	1578.3	1586.9	1592.0	1609.2	1583.5
27.5°	1551.0	1545.8	1554.4	1557.8	1571.5
30°	1503.0	1499.6	1511.6	1521.8	1521.8
32.5°	1465.4	1463.6	1468.8	1475.6	1475.6
35°	1393.5	1414.0	1419.1	1429.4	1441.4
37.5°	1362.6	1357.5	1374.6	1390.0	1395.2
40°	1314.7	1307.9	1323.3	1330.1	1340.4
42.5°	1258.2	1258.2	1261.6	1287.3	1294.2
45°	1182.9	1194.9	1210.3	1227.4	1230.8
47.5°	1135.0	1129.8	1158.9	1169.2	1182.9
50°	1068.2	1076.8	1100.7	1107.6	1129.8
52.5°	1001.4	1010.0	1023.7	1046.0	1052.8
55°	946.7	948.4	972.3	984.3	991.2
57.5°	867.9	876.5	902.2	915.8	929.5
60°	796.0	801.2	833.7	850.8	852.5
62.5°	722.4	736.1	756.6	778.9	787.5
65°	640.2	662.5	689.9	701.9	712.1
67.5°	564.9	580.3	611.1	635.1	638.5
70°	496.4	508.4	539.2	558.1	563.2
72.5°	414.3	433.1	458.8	486.2	491.3
75°	335.5	357.8	385.2	407.4	414.3
77.5°	261.9	282.5	311.6	330.4	342.4
80°	191.7	205.4	236.2	258.5	265.3
82.5°	123.3	140.4	169.5	191.7	191.7
85°	65.1	80.5	104.4	113.0	109.6
87.5°	22.3	30.8	35.9	41.1	42.8
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)