

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: P721824

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

Issue Date: 10/25/2023



Test Information

Test Method: LM-79-08
Report Number: P721824
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-HI
Description: ARS 2x2 Selectable High Output 80CRI , SET AT 5000K AND, HI LUMEN OUTPUT SETTINGS

Light Source: -
Ballast/Driver: -

Summary

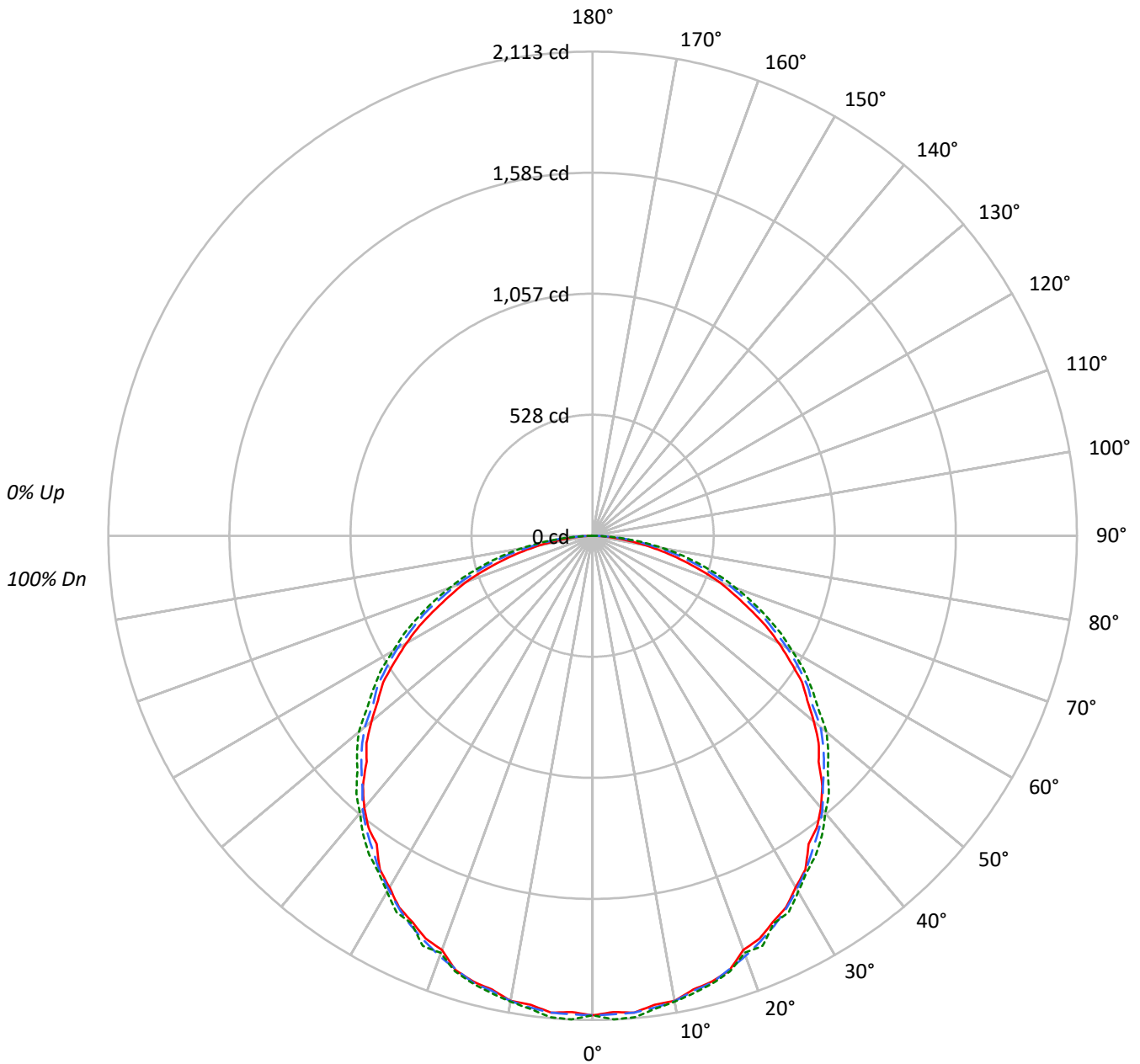
Lumens per Lamp: N/A
Luminaire Lumens: 6204.0 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular (W 1.97' x L: 1.97' x H: 0')
CIE Type: Direct

Input Watts (W): 46.8
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: P721824

CATALOG NUMBER: 22ARS-L3C3-HO-UNV-5000K-HI

Luminous Intensity Polar Plot





TEST NUMBER: P721824

CATALOG NUMBER: 22ARS-L3C3-HO-UNV-5000K-HI

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	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°	5804	5804	5804
5°	5815	5815	5871
10°	5803	5808	5814
15°	5783	5794	5806
20°	5676	5759	5718
25°	5694	5743	5712
30°	5674	5706	5745
35°	5562	5664	5753
40°	5611	5648	5721
45°	5469	5596	5691
50°	5433	5599	5747
55°	5396	5543	5650
60°	5205	5451	5574
65°	4953	5337	5509
70°	4746	5155	5384
75°	4238	4865	5233
80°	3610	4448	4996
85°	2441	3917	4108



TEST NUMBER: P721824

CATALOG NUMBER: 22ARS-L3C3-HO-UNV-5000K-HI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	198.5	3.2
10°-20°	569.0	9.2
20°-30°	865.2	13.9
30°-40°	1049.1	16.9
40°-50°	1102.7	17.8
50°-60°	1016.6	16.4
60°-70°	795.5	12.8
70°-80°	475.2	7.7
80°-90°	132.2	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°	1632.6	26.3
0°-40°	2681.8	43.2
0°-60°	4801.1	77.4
0°-90°	6204.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6204.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2093	2093	2093	2093	2093	
5°	2089	2074	2089	2101	2109	198
15°	2014	2006	2018	2024	2022	567
25°	1860	1871	1877	1897	1867	859
35°	1643	1667	1673	1685	1699	1040
45°	1394	1408	1427	1447	1451	1085
55°	1116	1118	1146	1160	1168	988
65°	755	781	813	827	840	751
75°	396	422	454	480	488	421
85°	77	95	123	133	129	98
90°	0	0	0	0	0	



TEST NUMBER: P721824

CATALOG NUMBER: 22ARS-L3C3-HO-UNV-5000K-HI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2092.6	2092.6	2092.6	2092.6	2092.6
2.5°	2080.5	2092.6	2090.6	2104.7	2112.8
5°	2088.6	2074.4	2088.6	2100.7	2108.7
7.5°	2064.4	2068.4	2076.5	2080.5	2082.5
10°	2060.3	2052.2	2062.3	2074.4	2064.4
12.5°	2028.0	2024.0	2034.1	2062.3	2044.2
15°	2013.9	2005.8	2017.9	2024.0	2022.0
17.5°	1987.7	1983.6	1983.6	1995.7	1993.7
20°	1923.1	1949.3	1951.3	1975.6	1937.2
22.5°	1902.9	1913.0	1915.0	1933.2	1937.2
25°	1860.5	1870.6	1876.7	1896.9	1866.6
27.5°	1828.3	1822.2	1832.3	1836.3	1852.5
30°	1771.8	1767.7	1781.8	1793.9	1793.9
32.5°	1727.4	1725.3	1731.4	1739.5	1739.5
35°	1642.6	1666.8	1672.9	1685.0	1699.1
37.5°	1606.3	1600.2	1620.4	1638.6	1644.6
40°	1549.8	1541.7	1559.9	1567.9	1580.0
42.5°	1483.2	1483.2	1487.2	1517.5	1525.6
45°	1394.4	1408.5	1426.7	1446.9	1450.9
47.5°	1337.9	1331.8	1366.1	1378.3	1394.4
50°	1259.2	1269.3	1297.5	1305.6	1331.8
52.5°	1180.5	1190.6	1206.7	1233.0	1241.0
55°	1115.9	1117.9	1146.2	1160.3	1168.4
57.5°	1023.1	1033.2	1063.5	1079.6	1095.7
60°	938.3	944.4	982.7	1002.9	1004.9
62.5°	851.6	867.7	891.9	918.2	928.3
65°	754.7	780.9	813.2	827.4	839.5
67.5°	665.9	684.1	720.4	748.7	752.7
70°	585.2	599.3	635.7	657.8	663.9
72.5°	488.3	510.5	540.8	573.1	579.1
75°	395.5	421.7	454.0	480.3	488.3
77.5°	308.7	333.0	367.3	389.5	403.6
80°	226.0	242.2	278.5	304.7	312.8
82.5°	145.3	165.5	199.8	226.0	226.0
85°	76.7	94.8	123.1	133.2	129.1
87.5°	26.2	36.3	42.4	48.4	50.4
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)