

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: P709975

Luminaire Tested: **22ARS-L3C3-NUV-4000K-HI**

Issue Date: 10/4/2023



Test Information

Test Method: LM-79-08
Report Number: P709975
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-4000K-HI
Description: ARS 1x4 Selectable Standard 80CRI Round, SET AT 4000K AND, HI LUMEN OUTPUT SETTINGS

Light Source: -
Ballast/Driver: -

Summary

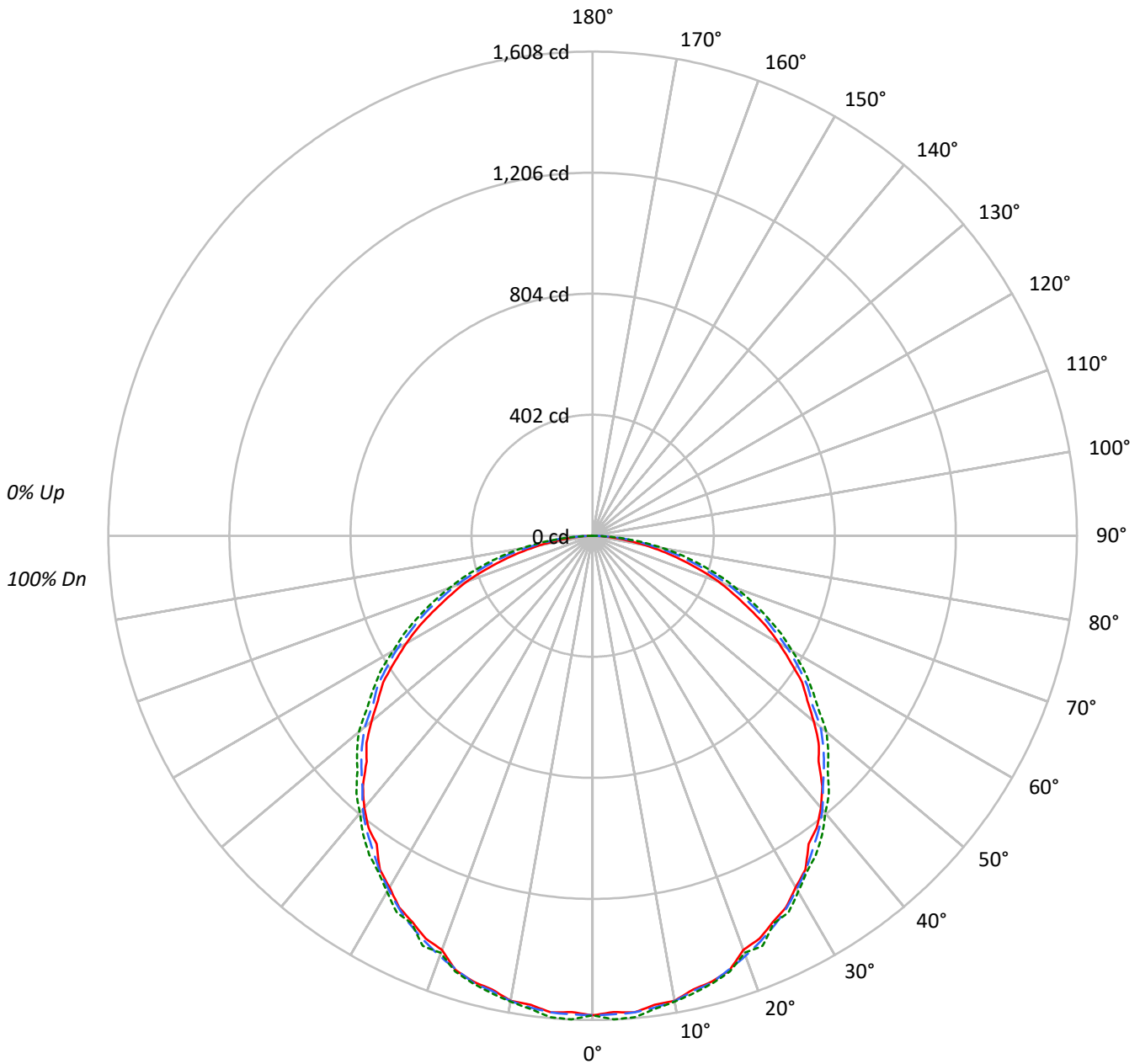
Lumens per Lamp: N/A
Luminaire Lumens: 4721.0 lumens
Efficiency: N/A
Efficacy: 139.7 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular (W 1.97' x L: 1.97' x H: 0')
CIE Type: Direct

Input Watts (W): 33.8
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

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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°	4417	4417	4417
5°	4425	4425	4468
10°	4415	4420	4424
15°	4400	4409	4418
20°	4319	4383	4351
25°	4333	4370	4347
30°	4318	4342	4372
35°	4232	4310	4378
40°	4270	4298	4353
45°	4162	4259	4331
50°	4135	4261	4373
55°	4106	4218	4299
60°	3961	4148	4242
65°	3769	4061	4192
70°	3611	3922	4097
75°	3226	3702	3982
80°	2747	3385	3801
85°	1858	2982	3128



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.0	3.2
10°-20°	433.0	9.2
20°-30°	658.4	13.9
30°-40°	798.3	16.9
40°-50°	839.1	17.8
50°-60°	773.6	16.4
60°-70°	605.4	12.8
70°-80°	361.6	7.7
80°-90°	100.6	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°	1242.4	26.3
0°-40°	2040.7	43.2
0°-60°	3653.5	77.4
0°-90°	4721.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4721.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1592	1592	1592	1592	1592	
5°	1589	1579	1589	1598	1605	151
15°	1532	1526	1536	1540	1539	431
25°	1416	1424	1428	1443	1420	653
35°	1250	1268	1273	1282	1293	791
45°	1061	1072	1086	1101	1104	826
55°	849	851	872	883	889	752
65°	574	594	619	630	639	571
75°	301	321	346	366	372	321
85°	58	72	94	101	98	75
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1592.4	1592.4	1592.4	1592.4	1592.4
2.5°	1583.2	1592.4	1590.9	1601.6	1607.7
5°	1589.3	1578.6	1589.3	1598.5	1604.7
7.5°	1570.9	1574.0	1580.1	1583.2	1584.7
10°	1567.8	1561.7	1569.4	1578.6	1570.9
12.5°	1543.3	1540.2	1547.9	1569.4	1555.5
15°	1532.5	1526.4	1535.6	1540.2	1538.6
17.5°	1512.5	1509.5	1509.5	1518.7	1517.1
20°	1463.4	1483.4	1484.9	1503.3	1474.2
22.5°	1448.0	1455.7	1457.3	1471.1	1474.2
25°	1415.8	1423.5	1428.1	1443.4	1420.4
27.5°	1391.2	1386.6	1394.3	1397.4	1409.7
30°	1348.2	1345.2	1355.9	1365.1	1365.1
32.5°	1314.5	1312.9	1317.5	1323.7	1323.7
35°	1250.0	1268.4	1273.0	1282.2	1293.0
37.5°	1222.3	1217.7	1233.1	1246.9	1251.5
40°	1179.3	1173.2	1187.0	1193.1	1202.4
42.5°	1128.6	1128.6	1131.7	1154.8	1160.9
45°	1061.1	1071.8	1085.7	1101.0	1104.1
47.5°	1018.1	1013.5	1039.6	1048.8	1061.1
50°	958.2	965.9	987.4	993.5	1013.5
52.5°	898.3	906.0	918.3	938.2	944.4
55°	849.2	850.7	872.2	883.0	889.1
57.5°	778.5	786.2	809.2	821.5	833.8
60°	714.0	718.6	747.8	763.2	764.7
62.5°	648.0	660.3	678.7	698.7	706.4
65°	574.3	594.3	618.8	629.6	638.8
67.5°	506.7	520.6	548.2	569.7	572.8
70°	445.3	456.1	483.7	500.6	505.2
72.5°	371.6	388.5	411.5	436.1	440.7
75°	301.0	320.9	345.5	365.5	371.6
77.5°	234.9	253.4	279.5	296.4	307.1
80°	172.0	184.3	211.9	231.9	238.0
82.5°	110.6	125.9	152.0	172.0	172.0
85°	58.4	72.2	93.7	101.3	98.3
87.5°	20.0	27.6	32.2	36.9	38.4
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)