

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: P709978

Luminaire Tested: **22ARS-L3C3-NUV-5000K-HI**

Issue Date: 10/4/2023



Test Information

Test Method: LM-79-08
Report Number: P709978
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-5000K-HI
Description: ARS 1x4 Selectable Standard 80CRI Round, SET AT 5000K AND, HI LUMEN OUTPUT SETTINGS

Light Source: -
Ballast/Driver: -

Summary

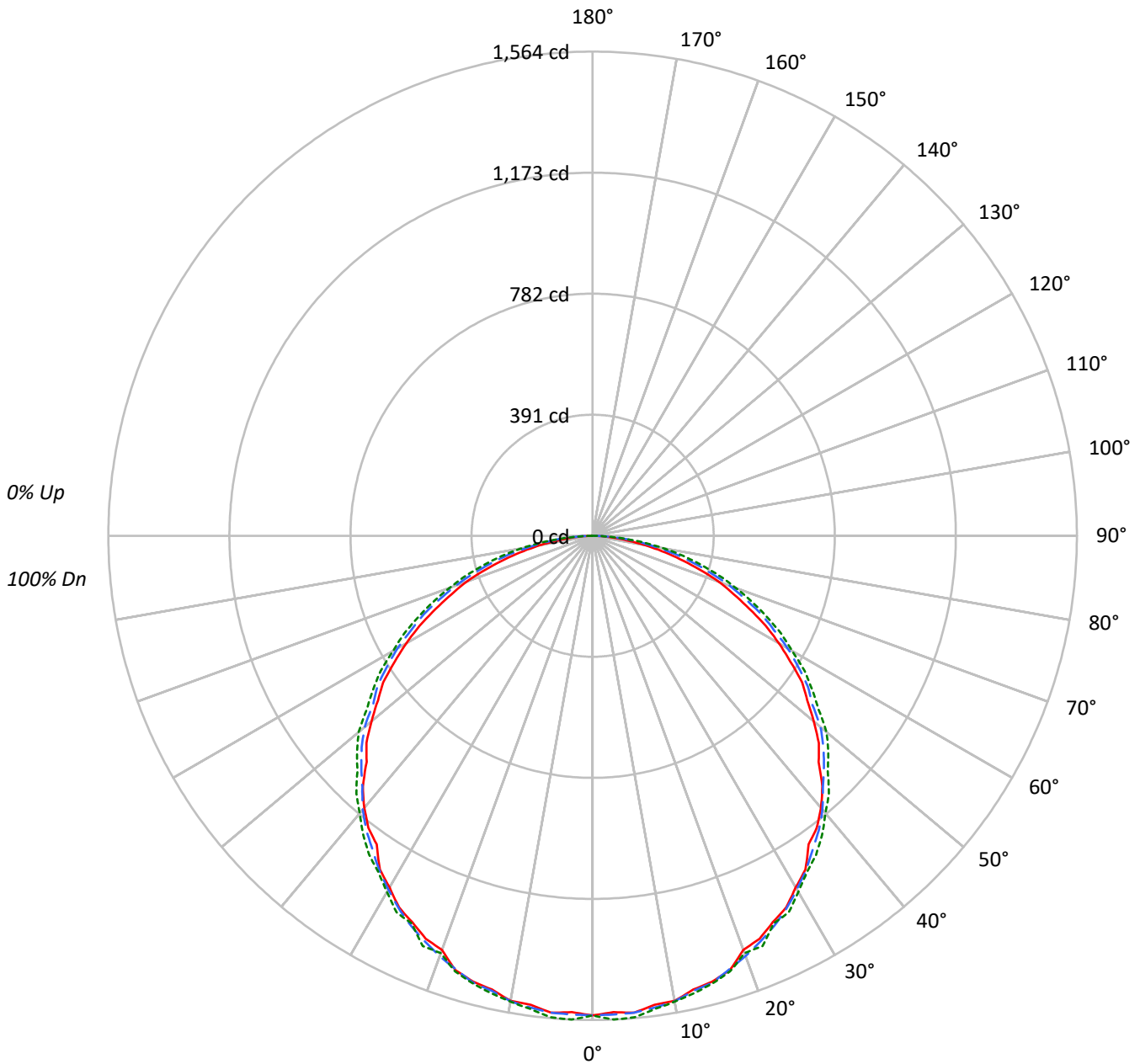
Lumens per Lamp: N/A
Luminaire Lumens: 4593.0 lumens
Efficiency: N/A
Efficacy: 129.0 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular (W 1.97' x L: 1.97' x H: 0')
CIE Type: Direct

Input Watts (W): 35.6
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

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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°	4297	4297	4297
5°	4305	4305	4347
10°	4296	4300	4304
15°	4281	4290	4298
20°	4202	4264	4233
25°	4215	4252	4229
30°	4201	4225	4253
35°	4118	4193	4259
40°	4154	4181	4235
45°	4049	4143	4213
50°	4022	4145	4254
55°	3995	4103	4183
60°	3854	4036	4127
65°	3667	3951	4079
70°	3513	3816	3986
75°	3138	3602	3874
80°	2672	3293	3699
85°	1808	2899	3042



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.9	3.2
10°-20°	421.3	9.2
20°-30°	640.5	13.9
30°-40°	776.7	16.9
40°-50°	816.4	17.8
50°-60°	752.6	16.4
60°-70°	588.9	12.8
70°-80°	351.8	7.7
80°-90°	97.9	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°	1208.7	26.3
0°-40°	1985.4	43.2
0°-60°	3554.4	77.4
0°-90°	4593.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4593.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1549	1549	1549	1549	1549	
5°	1546	1536	1546	1555	1561	146
15°	1491	1485	1494	1498	1497	420
25°	1377	1385	1389	1404	1382	636
35°	1216	1234	1238	1247	1258	770
45°	1032	1043	1056	1071	1074	803
55°	826	828	849	859	865	732
65°	559	578	602	612	622	556
75°	293	312	336	356	362	312
85°	57	70	91	99	96	73
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1549.2	1549.2	1549.2	1549.2	1549.2
2.5°	1540.3	1549.2	1547.7	1558.2	1564.2
5°	1546.2	1535.8	1546.2	1555.2	1561.2
7.5°	1528.3	1531.3	1537.3	1540.3	1541.7
10°	1525.3	1519.3	1526.8	1535.8	1528.3
12.5°	1501.4	1498.4	1505.9	1526.8	1513.4
15°	1491.0	1485.0	1493.9	1498.4	1496.9
17.5°	1471.5	1468.5	1468.5	1477.5	1476.0
20°	1423.7	1443.1	1444.6	1462.6	1434.2
22.5°	1408.8	1416.3	1417.7	1431.2	1434.2
25°	1377.4	1384.9	1389.4	1404.3	1381.9
27.5°	1353.5	1349.0	1356.5	1359.5	1371.4
30°	1311.7	1308.7	1319.1	1328.1	1328.1
32.5°	1278.8	1277.3	1281.8	1287.8	1287.8
35°	1216.1	1234.0	1238.5	1247.4	1257.9
37.5°	1189.2	1184.7	1199.6	1213.1	1217.6
40°	1147.3	1141.4	1154.8	1160.8	1169.8
42.5°	1098.0	1098.0	1101.0	1123.4	1129.4
45°	1032.3	1042.8	1056.2	1071.2	1074.1
47.5°	990.5	986.0	1011.4	1020.4	1032.3
50°	932.2	939.7	960.6	966.6	986.0
52.5°	874.0	881.4	893.4	912.8	918.8
55°	826.1	827.6	848.6	859.0	865.0
57.5°	757.4	764.9	787.3	799.3	811.2
60°	694.7	699.2	727.5	742.5	744.0
62.5°	630.4	642.4	660.3	679.7	687.2
65°	558.7	578.2	602.1	612.5	621.5
67.5°	493.0	506.4	533.3	554.3	557.2
70°	433.2	443.7	470.6	487.0	491.5
72.5°	361.5	378.0	400.4	424.3	428.8
75°	292.8	312.2	336.1	355.6	361.5
77.5°	228.6	246.5	271.9	288.3	298.8
80°	167.3	179.3	206.2	225.6	231.6
82.5°	107.6	122.5	147.9	167.3	167.3
85°	56.8	70.2	91.1	98.6	95.6
87.5°	19.4	26.9	31.4	35.9	37.3
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)