

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: P709972

Luminaire Tested: **22ARS-L3C3-NUV-3500K-HI**

Issue Date: 10/4/2023



Test Information

Test Method: LM-79-08
Report Number: P709972
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-3500K-HI
Description: ARS 1x4 Selectable Standard 80CRI Round, SET AT 3500K AND, HI LUMEN OUTPUT SETTINGS

Light Source: -
Ballast/Driver: -

Summary

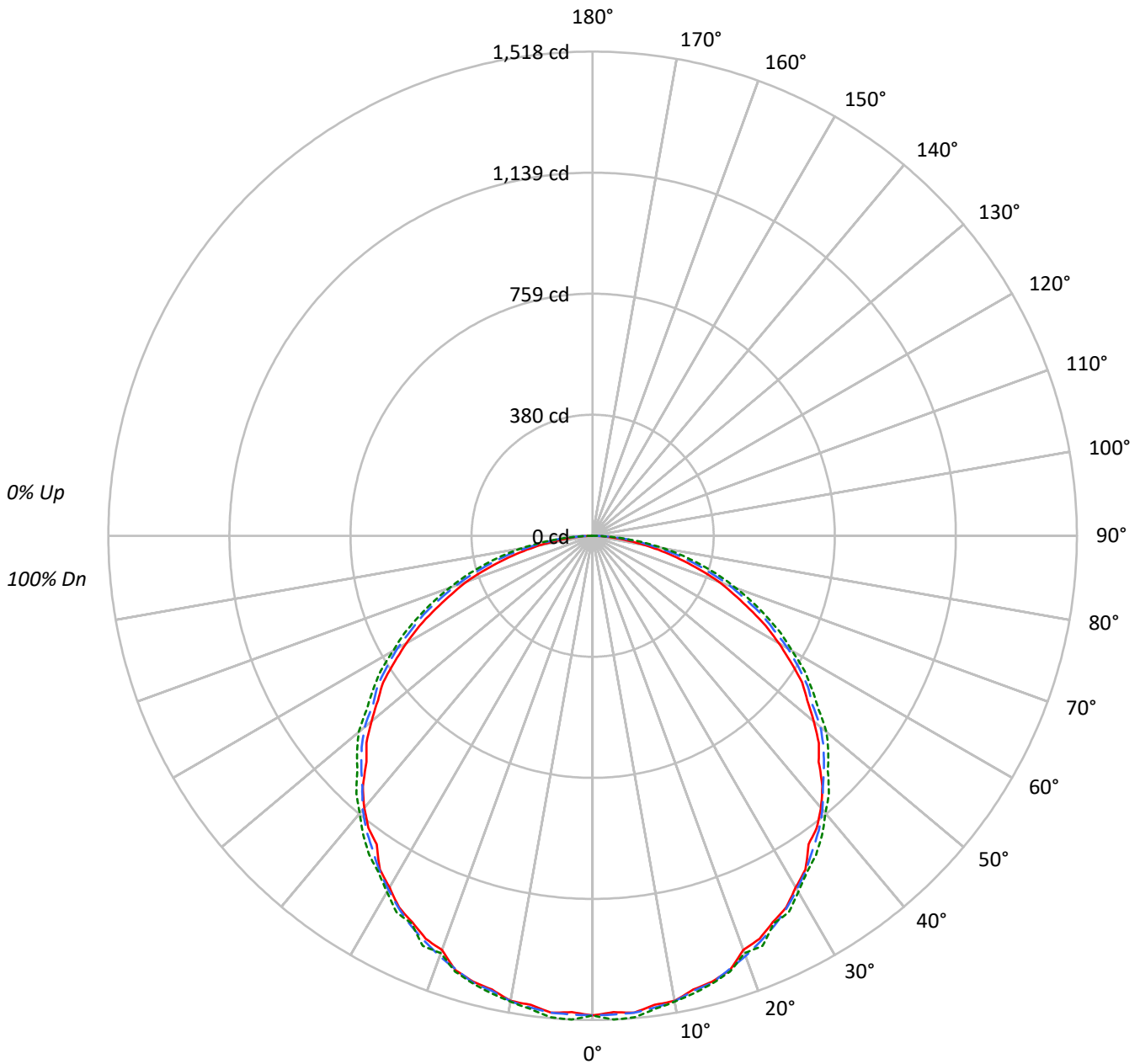
Lumens per Lamp: N/A
Luminaire Lumens: 4458.1 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular (W 1.97' x L: 1.97' x H: 0')
CIE Type: Direct

Input Watts (W): 35
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	57																			
4	82	69	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°	4171	4171	4171
5°	4178	4178	4219
10°	4170	4174	4178
15°	4155	4164	4172
20°	4079	4139	4109
25°	4091	4127	4105
30°	4077	4101	4129
35°	3996	4070	4134
40°	4032	4058	4111
45°	3930	4021	4090
50°	3904	4023	4129
55°	3878	3983	4060
60°	3740	3917	4006
65°	3559	3835	3959
70°	3410	3704	3869
75°	3046	3497	3760
80°	2594	3196	3591
85°	1753	2816	2953



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	142.6	3.2
10°-20°	408.9	9.2
20°-30°	621.7	13.9
30°-40°	753.9	16.9
40°-50°	792.4	17.8
50°-60°	730.5	16.4
60°-70°	571.6	12.8
70°-80°	341.5	7.7
80°-90°	95.0	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°	1173.2	26.3
0°-40°	1927.0	43.2
0°-60°	3449.9	77.4
0°-90°	4458.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4458.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1504	1504	1504	1504	1504	
5°	1501	1491	1501	1510	1515	142
15°	1447	1441	1450	1454	1453	407
25°	1337	1344	1348	1363	1341	617
35°	1180	1198	1202	1211	1221	747
45°	1002	1012	1025	1040	1043	780
55°	802	803	824	834	840	710
65°	542	561	584	594	603	539
75°	284	303	326	345	351	303
85°	55	68	88	96	93	71
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1503.7	1503.7	1503.7	1503.7	1503.7
2.5°	1495.0	1503.7	1502.2	1512.4	1518.2
5°	1500.8	1490.6	1500.8	1509.5	1515.3
7.5°	1483.4	1486.3	1492.1	1495.0	1496.4
10°	1480.5	1474.7	1481.9	1490.6	1483.4
12.5°	1457.3	1454.4	1461.6	1481.9	1468.9
15°	1447.1	1441.3	1450.0	1454.4	1452.9
17.5°	1428.3	1425.4	1425.4	1434.1	1432.6
20°	1381.9	1400.7	1402.2	1419.6	1392.0
22.5°	1367.4	1374.6	1376.1	1389.1	1392.0
25°	1336.9	1344.2	1348.5	1363.0	1341.3
27.5°	1313.7	1309.4	1316.6	1319.5	1331.1
30°	1273.1	1270.2	1280.4	1289.1	1289.1
32.5°	1241.2	1239.8	1244.1	1249.9	1249.9
35°	1180.3	1197.7	1202.1	1210.8	1220.9
37.5°	1154.2	1149.9	1164.4	1177.4	1181.8
40°	1113.6	1107.8	1120.9	1126.7	1135.4
42.5°	1065.8	1065.8	1068.7	1090.4	1096.2
45°	1002.0	1012.1	1025.2	1039.7	1042.6
47.5°	961.4	957.0	981.7	990.4	1002.0
50°	904.8	912.1	932.4	938.2	957.0
52.5°	848.3	855.5	867.1	886.0	891.8
55°	801.9	803.3	823.6	833.8	839.6
57.5°	735.2	742.4	764.2	775.8	787.4
60°	674.3	678.6	706.2	720.7	722.1
62.5°	611.9	623.5	640.9	659.8	667.0
65°	542.3	561.2	584.4	594.5	603.2
67.5°	478.5	491.6	517.7	538.0	540.9
70°	420.5	430.7	456.8	472.7	477.1
72.5°	350.9	366.9	388.6	411.8	416.2
75°	284.2	303.1	326.3	345.1	350.9
77.5°	221.9	239.3	263.9	279.9	290.0
80°	162.4	174.0	200.1	219.0	224.8
82.5°	104.4	118.9	143.6	162.4	162.4
85°	55.1	68.2	88.5	95.7	92.8
87.5°	18.9	26.1	30.5	34.8	36.3
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)