

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: P709977

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

Issue Date: 10/4/2023



Test Information

Test Method: LM-79-08
Report Number: P709977
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-MID
Description: ARS 1x4 Selectable Standard 80CRI Round, SET AT 4000K AND, MID LUMEN OUTPUT SETTINGS

Light Source: -
Ballast/Driver: -

Summary

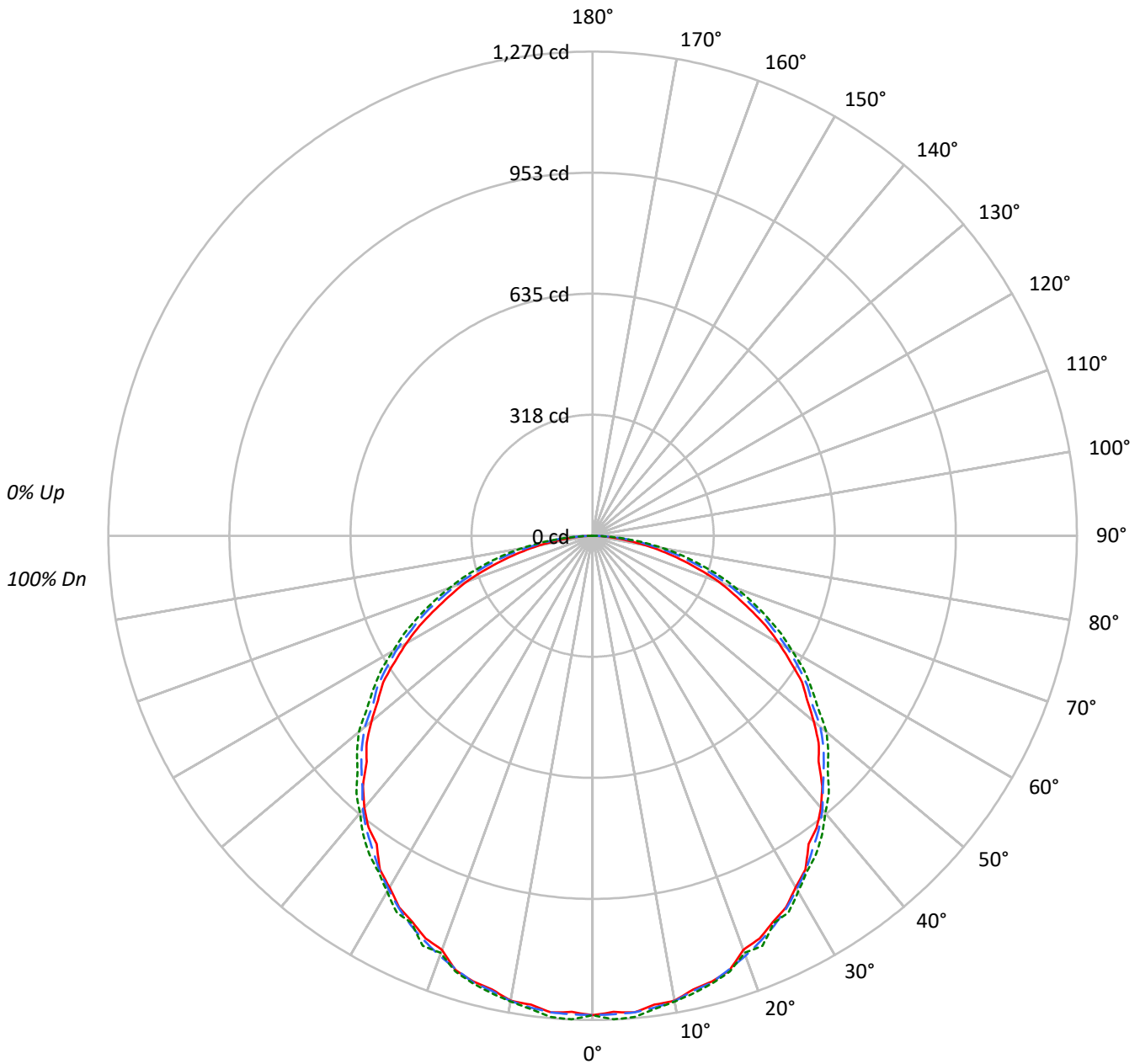
Lumens per Lamp: N/A
Luminaire Lumens: 3728.0 lumens
Efficiency: N/A
Efficacy: 140.2 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.27 / 1.39
Luminous Opening: Rectangular (W 1.97' x L: 1.97' x H: 0')
CIE Type: Direct

Input Watts (W): 26.6
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					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°	3488	3488	3488
5°	3494	3494	3528
10°	3487	3490	3494
15°	3475	3482	3489
20°	3411	3461	3436
25°	3421	3451	3432
30°	3410	3429	3452
35°	3342	3404	3457
40°	3372	3394	3438
45°	3287	3363	3420
50°	3265	3364	3453
55°	3243	3330	3395
60°	3128	3276	3350
65°	2976	3207	3310
70°	2851	3098	3235
75°	2547	2923	3144
80°	2169	2672	3003
85°	1467	2355	2469



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.3	3.2
10°-20°	341.9	9.2
20°-30°	519.9	13.9
30°-40°	630.4	16.9
40°-50°	662.6	17.8
50°-60°	610.9	16.4
60°-70°	478.0	12.8
70°-80°	285.6	7.7
80°-90°	79.4	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°	981.1	26.3
0°-40°	1611.5	43.2
0°-60°	2885.0	77.4
0°-90°	3728.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3728.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1258	1258	1258	1258	1258	
5°	1255	1246	1255	1262	1267	119
15°	1210	1205	1213	1216	1215	341
25°	1118	1124	1128	1140	1122	516
35°	987	1002	1005	1012	1021	625
45°	838	846	857	869	872	652
55°	671	672	689	697	702	594
65°	454	469	489	497	504	451
75°	238	253	273	289	293	253
85°	46	57	74	80	78	59
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1257.5	1257.5	1257.5	1257.5	1257.5
2.5°	1250.2	1257.5	1256.2	1264.7	1269.6
5°	1255.0	1246.5	1255.0	1262.3	1267.2
7.5°	1240.5	1242.9	1247.8	1250.2	1251.4
10°	1238.1	1233.2	1239.3	1246.5	1240.5
12.5°	1218.6	1216.2	1222.3	1239.3	1228.3
15°	1210.2	1205.3	1212.6	1216.2	1215.0
17.5°	1194.4	1192.0	1192.0	1199.2	1198.0
20°	1155.6	1171.4	1172.6	1187.1	1164.1
22.5°	1143.5	1149.5	1150.7	1161.7	1164.1
25°	1118.0	1124.1	1127.7	1139.8	1121.6
27.5°	1098.6	1095.0	1101.0	1103.5	1113.2
30°	1064.7	1062.2	1070.7	1078.0	1078.0
32.5°	1038.0	1036.8	1040.4	1045.2	1045.2
35°	987.0	1001.6	1005.2	1012.5	1021.0
37.5°	965.2	961.6	973.7	984.6	988.3
40°	931.3	926.4	937.3	942.2	949.5
42.5°	891.3	891.3	893.7	911.9	916.7
45°	837.9	846.4	857.3	869.4	871.8
47.5°	803.9	800.3	820.9	828.2	837.9
50°	756.7	762.7	779.7	784.5	800.3
52.5°	709.4	715.4	725.1	740.9	745.7
55°	670.6	671.8	688.7	697.2	702.1
57.5°	614.8	620.8	639.0	648.7	658.4
60°	563.9	567.5	590.5	602.7	603.9
62.5°	511.7	521.4	536.0	551.7	557.8
65°	453.5	469.3	488.7	497.2	504.4
67.5°	400.2	411.1	432.9	449.9	452.3
70°	351.6	360.1	382.0	395.3	398.9
72.5°	293.4	306.8	325.0	344.4	348.0
75°	237.7	253.4	272.8	288.6	293.4
77.5°	185.5	200.1	220.7	234.0	242.5
80°	135.8	145.5	167.3	183.1	188.0
82.5°	87.3	99.4	120.0	135.8	135.8
85°	46.1	57.0	74.0	80.0	77.6
87.5°	15.8	21.8	25.5	29.1	30.3
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)