

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: P709968

Luminaire Tested: **14ARS-L3C3-NUV-4000K-MID**

Issue Date: 10/4/2023



Test Information

Test Method: LM-79-08
Report Number: P709968
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2305-014-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 10/4/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 14ARS-L3C3-NUV-4000K-MID
Description: ARS 1x4 Selectable Standard 80CRI Round, SET AT 4000K AND, MID LUMEN OUTPUT SETTINGS

Light Source: -
Ballast/Driver: -

Summary

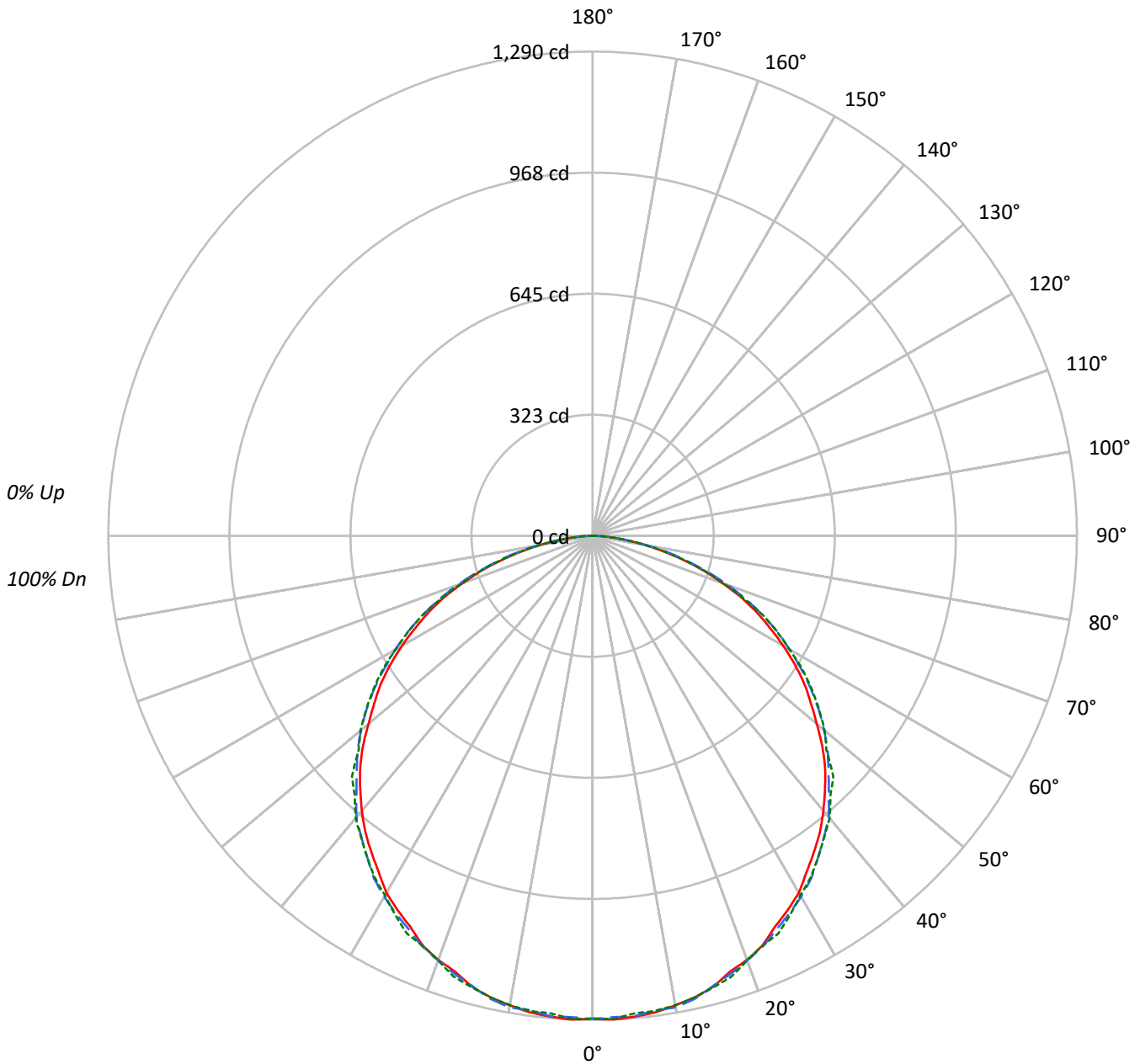
Lumens per Lamp: N/A
Luminaire Lumens: 3799.0 lumens
Efficiency: N/A
Efficacy: 143.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.28 / 1.4
Luminous Opening: Rectangular (W 0.85' x L: 3.87' x H: 0')
CIE Type: Direct

Input Watts (W): 26.4
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	109	104	100	96	106	102	98	94	97	94	91	93	91	88	90	88	86	84																			
2	99	90	83	78	96	88	82	77	85	79	75	82	77	73	78	75	71	69																			
3	90	79	71	64	87	77	70	64	74	68	62	72	66	61	69	64	60	58																			
4	82	70	61	54	80	69	60	54	66	59	53	64	57	52	61	56	52	49																			
5	75	62	53	46	73	61	53	46	59	51	46	57	50	45	55	49	45	43																			
6	70	56	47	40	68	55	46	40	53	46	40	52	45	40	50	44	39	37																			
7	64	51	42	36	63	50	41	36	48	41	35	47	40	35	46	39	35	33																			
8	60	46	38	32	58	46	37	32	44	37	31	43	36	31	42	36	31	29																			
9	56	42	34	28	55	42	34	28	41	33	28	40	33	28	39	32	28	26																			
10	52	39	31	26	51	39	31	26	38	30	26	37	30	25	36	30	25	24																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4210	4210	4210
5°	4224	4221	4196
10°	4221	4238	4219
15°	4213	4205	4219
20°	4187	4193	4191
25°	4150	4179	4224
30°	4150	4196	4181
35°	4106	4181	4181
40°	4084	4180	4195
45°	4053	4112	4195
50°	3967	4097	4106
55°	3928	4048	4065
60°	3838	3970	3959
65°	3730	3856	3878
70°	3503	3675	3552
75°	3173	3321	3240
80°	2683	2759	2683
85°	1832	1941	2027



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.8	3.2
10°-20°	351.1	9.2
20°-30°	534.0	14.1
30°-40°	652.3	17.2
40°-50°	685.4	18.0
50°-60°	629.7	16.6
60°-70°	487.3	12.8
70°-80°	273.3	7.2
80°-90°	64.1	1.7
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°	1006.9	26.5
0°-40°	1659.2	43.7
0°-60°	2974.3	78.3
0°-90°	3799.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3799.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1287	1287	1287	1287	1287	
5°	1286	1272	1285	1282	1277	122
15°	1244	1244	1241	1248	1245	350
25°	1150	1152	1158	1163	1170	532
35°	1028	1033	1047	1050	1047	644
45°	876	880	888	894	907	674
55°	689	700	710	707	712	614
65°	482	488	498	498	501	475
75°	251	261	263	254	256	266
85°	49	50	52	52	54	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1286.6	1286.6	1286.6	1286.6	1286.6
2.5°	1290.1	1284.3	1283.7	1286.0	1287.8
5°	1286.0	1272.1	1284.9	1282.0	1277.3
7.5°	1280.8	1261.0	1275.0	1276.7	1276.7
10°	1270.3	1261.6	1275.6	1272.1	1269.8
12.5°	1259.3	1258.7	1263.4	1261.6	1259.3
15°	1243.6	1244.2	1241.3	1247.7	1245.4
17.5°	1217.5	1226.2	1223.9	1231.4	1231.4
20°	1202.4	1197.7	1204.1	1207.6	1203.5
22.5°	1182.0	1172.7	1184.9	1187.2	1182.0
25°	1149.5	1152.4	1157.6	1163.4	1169.8
27.5°	1124.5	1126.2	1134.4	1133.2	1139.0
30°	1098.3	1099.5	1110.5	1115.8	1106.5
32.5°	1061.1	1073.9	1083.2	1080.9	1080.3
35°	1028.0	1033.2	1046.6	1049.5	1046.6
37.5°	994.9	998.4	1011.7	1011.2	1012.9
40°	956.0	962.9	978.6	973.4	982.1
42.5°	916.4	924.6	931.0	936.8	937.4
45°	875.8	880.4	888.5	893.8	906.6
47.5°	829.9	840.9	849.0	853.1	845.0
50°	779.3	797.9	804.9	808.9	806.6
52.5°	732.8	752.6	758.4	758.4	760.1
55°	688.6	699.7	709.6	707.2	712.5
57.5°	638.7	650.9	657.3	660.2	662.5
60°	586.4	603.2	606.7	605.5	605.0
62.5°	532.3	547.4	554.4	549.7	553.8
65°	481.8	488.1	498.0	498.0	500.9
67.5°	428.3	435.3	441.7	440.5	435.8
70°	366.1	376.0	384.1	376.6	371.3
72.5°	311.5	319.6	320.8	315.0	315.6
75°	251.0	260.9	262.7	254.0	256.3
77.5°	194.1	204.6	206.3	197.0	197.0
80°	142.4	149.4	146.4	142.4	142.4
82.5°	92.4	97.0	94.1	96.5	94.1
85°	48.8	50.0	51.7	52.3	54.0
87.5°	16.3	18.0	17.4	15.7	14.5
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)