

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: P709988

Luminaire Tested: **24ARS-L3C3-NUV-5000K-LOW**

Issue Date: 10/4/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P709988  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2305-014-24)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 10/4/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 24ARS-L3C3-NUV-5000K-LOW  
Description: ARS 1x4 Selectable Standard 80CRI Round, SET AT 5000K AND, LOW LUMEN OUTPUT SETTINGS

Light Source: -  
Ballast/Driver: -

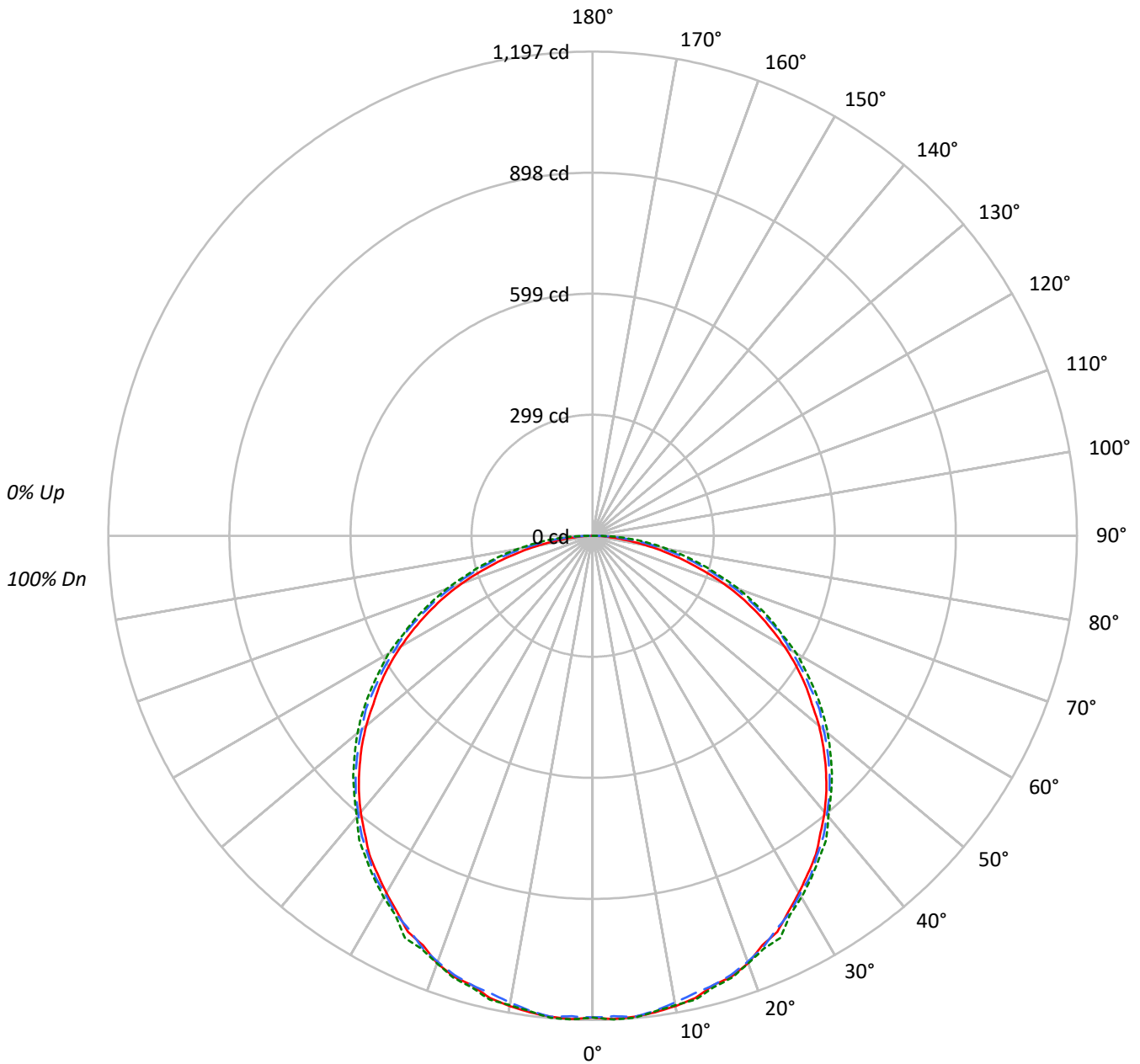
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3597.0 lumens  
Efficiency: N/A  
Efficacy: 144.5 lumens/watt  
Spacing Criteria (0/90/45): 1.27 / 1.29 / 1.4  
Luminous Opening: Rectangular (W 1.83' x L: 3.87' x H: 0')  
CIE Type: Direct

Input Watts (W): 24.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	93	97	93	90	93	90	88	89	87	85	83																			
2	98	90	83	77	95	88	81	76	84	79	74	81	76	72	78	74	71	68																			
3	89	78	70	63	87	77	69	63	74	67	62	71	65	61	68	64	59	57																			
4	82	69	60	53	79	68	60	53	65	58	52	63	57	52	61	55	51	49																			
5	75	62	53	46	73	61	52	46	58	51	45	56	50	45	55	49	44	42																			
6	69	56	46	40	67	55	46	40	53	45	39	51	44	39	49	43	39	36																			
7	64	50	41	35	62	49	41	35	48	40	35	46	40	34	45	39	34	32																			
8	60	46	37	31	58	45	37	31	44	36	31	43	36	31	41	35	31	29																			
9	56	42	34	28	54	41	33	28	40	33	28	39	32	28	38	32	28	26																			
10	52	39	31	25	51	38	31	25	37	30	25	36	30	25	35	29	25	23																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1810	1810	1810
5°	1821	1821	1825
10°	1822	1808	1818
15°	1810	1810	1818
20°	1818	1812	1819
25°	1811	1801	1840
30°	1789	1797	1812
35°	1785	1792	1810
40°	1769	1787	1799
45°	1752	1780	1799
50°	1727	1761	1794
55°	1700	1743	1781
60°	1663	1715	1770
65°	1608	1692	1736
70°	1526	1635	1708
75°	1365	1569	1664
80°	1152	1463	1645
85°	785	1449	1751



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	113.3	3.1
10°-20°	326.2	9.1
20°-30°	497.9	13.8
30°-40°	605.5	16.8
40°-50°	637.9	17.7
50°-60°	588.2	16.4
60°-70°	463.2	12.9
70°-80°	277.9	7.7
80°-90°	87.0	2.4
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°	937.4	26.1
0°-40°	1542.9	42.9
0°-60°	2769.0	77.0
0°-90°	3597.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3597.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1191	1191	1191	1191	1191	
5°	1194	1188	1194	1198	1196	113
15°	1150	1150	1150	1168	1155	326
25°	1080	1072	1074	1094	1097	496
35°	962	955	966	976	975	600
45°	815	816	828	840	837	629
55°	642	651	658	670	672	572
65°	447	461	470	482	483	442
75°	232	250	267	278	283	247
85°	45	61	83	100	100	57
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1191.0	1191.0	1191.0	<i>1191.0</i>	1191.0
2.5°	1196.0	1190.5	1189.0	<i>1193.0</i>	1197.0
5°	<i>1193.5</i>	<i>1187.6</i>	<i>1193.5</i>	<i>1198.4</i>	<i>1196.0</i>
7.5°	1188.1	1183.1	1184.6	<i>1186.6</i>	1185.6
10°	1180.6	1174.2	1171.7	<i>1183.1</i>	1178.2
12.5°	1170.7	1161.3	1158.9	<i>1176.2</i>	1174.7
15°	1150.5	1150.5	1150.5	<i>1167.8</i>	1155.4
17.5°	1142.5	1134.1	1138.1	<i>1150.5</i>	1145.5
20°	1124.2	1114.8	1120.3	<i>1127.7</i>	1124.7
22.5°	1095.6	1098.5	1101.5	<i>1113.4</i>	1105.0
25°	1080.2	1071.8	1073.8	<i>1094.1</i>	1097.0
27.5°	1047.6	1050.5	1053.0	<i>1063.4</i>	1056.5
30°	1019.4	1020.4	1023.8	<i>1036.2</i>	1032.2
32.5°	990.2	990.2	1000.1	<i>1011.5</i>	1005.0
35°	962.0	954.6	966.0	<i>975.9</i>	975.4
37.5°	925.4	925.4	936.8	<i>944.2</i>	947.7
40°	891.8	892.8	900.7	<i>908.6</i>	906.6
42.5°	855.2	858.1	866.6	<i>874.0</i>	871.5
45°	815.1	816.1	828.0	<i>839.8</i>	836.9
47.5°	774.1	777.5	787.4	<i>798.8</i>	797.3
50°	730.5	734.0	744.9	<i>757.2</i>	758.7
52.5°	683.1	692.0	707.3	<i>715.2</i>	716.7
55°	641.5	651.4	657.8	<i>669.7</i>	672.2
57.5°	596.0	601.0	612.8	<i>622.7</i>	625.7
60°	547.0	551.5	564.3	<i>578.7</i>	582.2
62.5°	497.1	505.5	522.8	<i>532.2</i>	527.7
65°	447.1	461.0	470.4	<i>481.7</i>	482.7
67.5°	396.7	407.1	420.4	<i>433.3</i>	431.8
70°	343.3	351.7	368.0	<i>378.9</i>	384.3
72.5°	286.4	298.2	316.5	<i>329.4</i>	329.9
75°	232.5	249.8	267.1	<i>277.5</i>	283.4
77.5°	181.5	196.4	216.1	<i>231.0</i>	234.4
80°	131.6	146.4	167.2	<i>181.0</i>	188.0
82.5°	84.1	99.9	122.7	<i>139.5</i>	142.4
85°	45.0	60.8	83.1	<i>99.9</i>	100.4
87.5°	14.8	29.2	43.5	<i>51.9</i>	54.4
90°	0.0	0.0	0.0	<i>0.0</i>	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC







— 0°-180°    - - 45°-225°    - - - - 90°-270°







(END OF REPORT)