

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: P709818

Luminaire Tested: **8AWS-L3C39-UNV-4000K-MID**

Issue Date: 9/26/2023



**Test Information**

Test Method: LM-79-08  
Report Number: P709818  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-6)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 9/26/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: METALUX  
Catalog Number: 8AWS-L3C39-UNV-4000K-MID  
Description: 8foot, Adapt Surface Wrap with, RD lens and MID lumen setting,  
4000K, 90CRI  
  
Light Source: -  
Ballast/Driver: -

**Summary**

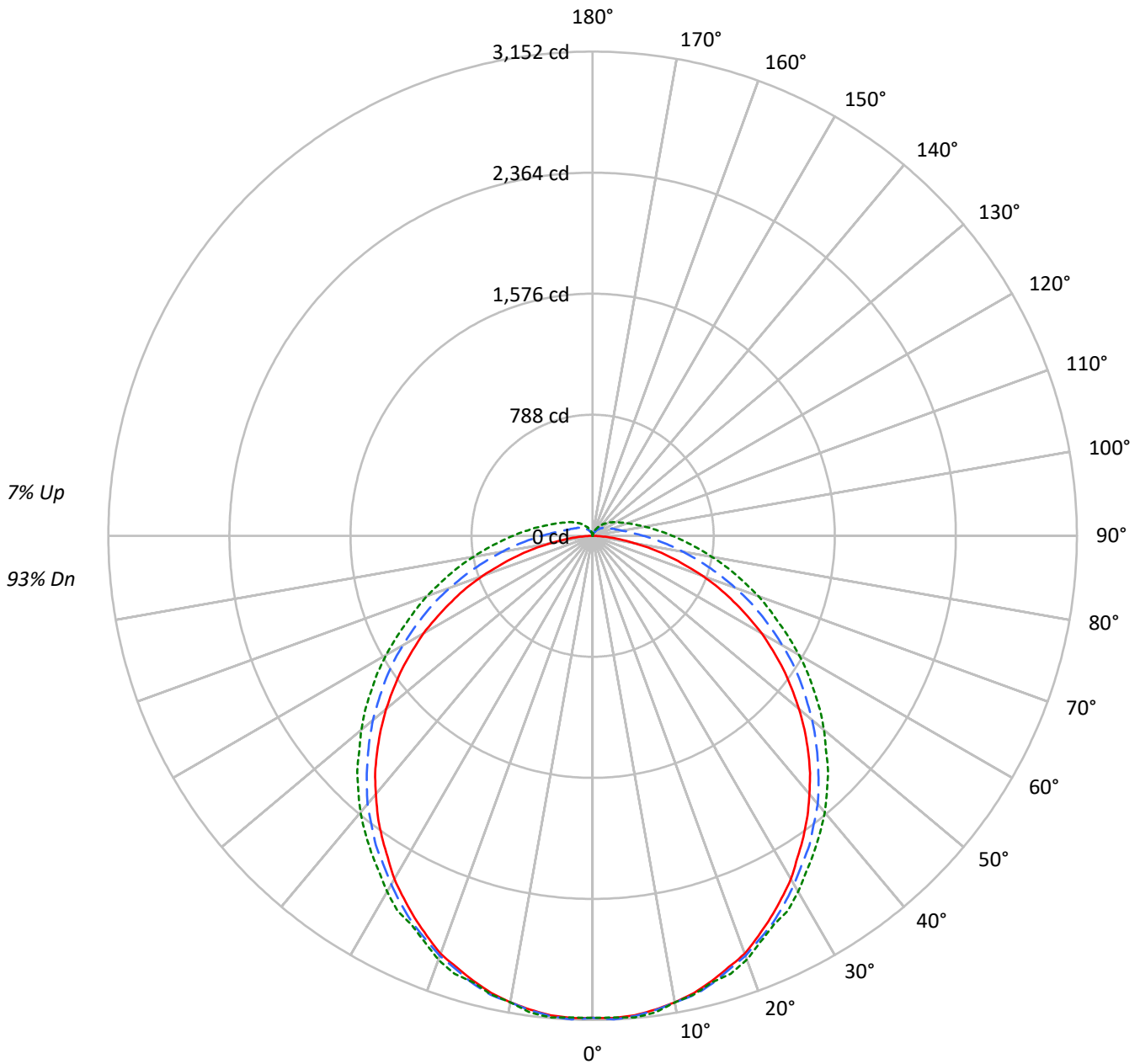
Lumens per Lamp: N/A  
Luminaire Lumens: 10165.0 lumens  
Efficiency: N/A  
Efficacy: 143.2 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37  
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 7.42' x H: 0.12')  
CIE Type: Direct

Input Watts (W): 71  
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

TEST NUMBER: P709818

CATALOG NUMBER: 8AWS-L3C39-UNV-4000K-MID

### Luminous Intensity Polar Plot





TEST NUMBER: P709818

CATALOG NUMBER: 8AWS-L3C39-UNV-4000K-MID

**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	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	96	96	96	93
1	106	101	96	92	102	98	93	89	92	89	85	87	84	81	82	80	78	78	78	78	75
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	71	68	64	64	64	64	62
3	87	76	68	61	84	74	66	60	70	63	58	66	61	56	63	58	54	54	54	54	52
4	80	67	58	51	77	65	57	51	62	55	49	59	53	48	56	51	46	46	46	46	44
5	73	60	51	44	71	58	50	43	56	48	42	53	46	41	50	45	40	40	40	40	38
6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	46	40	35	35	35	35	33
7	63	49	40	34	60	48	39	33	46	38	33	43	37	32	42	36	31	31	31	31	29
8	58	45	36	30	56	44	35	30	42	34	29	40	33	29	38	32	28	28	28	28	26
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	29	25	25	25	25	23
10	51	38	30	24	49	37	29	24	35	29	24	34	28	23	33	27	23	23	23	23	21

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

	0°	45°	90°
0°	9897	9897	9897
5°	9907	9767	9741
10°	9849	9547	9442
15°	9749	9359	9179
20°	9660	9113	8999
25°	9472	8859	8662
30°	9311	8575	8467
35°	9105	8326	8181
40°	8912	8059	7942
45°	8702	7730	7665
50°	8440	7422	7353
55°	8143	7089	7042
60°	7807	6712	6738
65°	7296	6331	6390
70°	6708	5902	6158
75°	5839	5475	5913
80°	4563	5145	5763
85°	2883	4972	5801



TEST NUMBER: P709818

CATALOG NUMBER: 8AWS-L3C39-UNV-4000K-MID

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	297.8	2.9
10°-20°	849.5	8.4
20°-30°	1278.2	12.6
30°-40°	1535.1	15.1
40°-50°	1598.5	15.7
50°-60°	1468.7	14.4
60°-70°	1179.6	11.6
70°-80°	804.2	7.9
80°-90°	457.1	4.5
90°-100°	256.0	2.5
100°-110°	162.0	1.6
110°-120°	110.6	1.1
120°-130°	76.0	0.7
130°-140°	48.3	0.5
140°-150°	26.9	0.3
150°-160°	12.2	0.1
160°-170°	3.9	0.0
170°-180°	0.5	0.0
0°-30°	2425.6	23.9
0°-40°	3960.6	39.0
0°-60°	7027.8	69.1
0°-90°	9468.7	93.1
90°-120°	528.6	5.2
90°-150°	679.8	6.7
90°-180°	696.0	6.8
0°-180°	10165.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	3138	3138	3138	3138	3138	
5°	3134	3138	3138	3143	3147	297
15°	2999	2994	3017	3026	3008	846
25°	2743	2743	2779	2806	2792	1264
35°	2392	2405	2459	2495	2513	1497
45°	1983	2005	2073	2136	2167	1529
55°	1515	1560	1650	1726	1758	1353
65°	1012	1088	1205	1295	1335	1003
75°	508	616	778	908	958	538
85°	94	243	445	589	638	116
90°	4	144	328	463	517	6
95°	0	90	247	373	418	0
105°	0	58	157	247	283	0
115°	0	45	117	180	202	0
125°	4	32	90	135	153	2
135°	4	27	67	99	112	3
145°	4	18	45	67	72	3
155°	4	14	27	40	45	2
165°	4	9	14	18	22	1
175°	4	4	4	4	4	0
180°	4	4	4	4	4	



TEST NUMBER: P709818

CATALOG NUMBER: 8AWS-L3C39-UNV-4000K-MID

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	3138.3	3138.3	3138.3	3138.3	3138.3
2.5°	3142.8	3138.3	3151.7	3147.2	3138.3
5°	3133.8	3138.3	3138.3	3142.8	3147.2
7.5°	3111.3	3102.3	3115.8	3129.3	3129.3
10°	3084.3	3075.3	3084.3	3093.3	3084.3
12.5°	3048.3	3030.4	3061.8	3061.8	3057.3
15°	2998.9	2994.4	3016.9	3025.9	3007.9
17.5°	2944.9	2958.4	2958.4	2976.4	2989.9
20°	2895.5	2886.5	2909.0	2922.4	2935.9
22.5°	2819.0	2814.5	2841.5	2864.0	2859.5
25°	2742.6	2742.6	2778.6	2805.5	2792.1
27.5°	2661.7	2661.7	2702.1	2729.1	2751.6
30°	2580.7	2589.7	2621.2	2657.2	2675.2
32.5°	2481.8	2504.3	2535.8	2585.2	2589.7
35°	2391.9	2405.4	2459.4	2495.3	2513.3
37.5°	2297.5	2302.0	2364.9	2414.4	2432.4
40°	2194.1	2203.1	2279.5	2324.5	2351.4
42.5°	2095.2	2104.2	2176.1	2234.5	2257.0
45°	1982.8	2005.2	2072.7	2135.6	2167.1
47.5°	1870.4	1901.8	1969.3	2041.2	2059.2
50°	1753.5	1784.9	1865.9	1924.3	1964.8
52.5°	1632.1	1672.5	1753.5	1829.9	1865.9
55°	1515.2	1560.1	1650.1	1726.5	1758.0
57.5°	1389.3	1443.2	1542.2	1623.1	1659.1
60°	1272.4	1317.3	1425.3	1510.7	1551.1
62.5°	1137.5	1196.0	1312.9	1407.3	1443.2
65°	1011.6	1088.0	1204.9	1294.9	1335.3
67.5°	890.2	966.7	1097.0	1191.5	1240.9
70°	759.8	845.3	984.6	1092.5	1146.5
72.5°	625.0	723.9	881.2	1002.6	1047.6
75°	508.1	616.0	777.8	908.2	957.7
77.5°	391.2	503.6	683.4	818.3	872.2
80°	274.3	400.2	598.0	737.4	786.8
82.5°	179.8	319.2	517.0	656.4	710.4
85°	94.4	242.8	445.1	589.0	638.4
87.5°	31.5	184.3	382.2	526.0	575.5
90°	4.5	143.9	328.2	463.1	517.0
92.5°	0.0	112.4	283.3	418.1	467.6
95°	0.0	89.9	247.3	373.2	418.1
97.5°	0.0	76.4	220.3	332.7	382.2
100°	0.0	67.4	193.3	301.2	341.7
102.5°	0.0	62.9	175.3	269.8	310.2
105°	0.0	58.4	157.4	247.3	283.3



TEST NUMBER: P709818

CATALOG NUMBER: 8AWS-L3C39-UNV-4000K-MID

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	45.0	125.9	193.3	220.3
115°	0.0	45.0	116.9	179.8	202.3
117.5°	0.0	40.5	112.4	166.4	188.8
120°	0.0	36.0	103.4	157.4	179.8
122.5°	0.0	36.0	94.4	148.4	166.4
125°	4.5	31.5	89.9	134.9	152.9
127.5°	4.5	31.5	85.4	125.9	143.9
130°	4.5	27.0	76.4	116.9	130.4
132.5°	4.5	27.0	71.9	107.9	121.4
135°	4.5	27.0	67.4	98.9	112.4
137.5°	4.5	22.5	58.4	89.9	103.4
140°	4.5	22.5	54.0	80.9	94.4
142.5°	4.5	22.5	49.5	71.9	85.4
145°	4.5	18.0	45.0	67.4	71.9
147.5°	4.5	18.0	40.5	58.4	67.4
150°	4.5	13.5	36.0	49.5	58.4
152.5°	4.5	13.5	31.5	45.0	49.5
155°	4.5	13.5	27.0	40.5	45.0
157.5°	4.5	13.5	22.5	36.0	36.0
160°	4.5	9.0	18.0	27.0	31.5
162.5°	4.5	9.0	18.0	22.5	27.0
165°	4.5	9.0	13.5	18.0	22.5
167.5°	4.5	4.5	9.0	13.5	18.0
170°	4.5	4.5	9.0	9.0	13.5
172.5°	4.5	4.5	4.5	4.5	9.0
175°	4.5	4.5	4.5	4.5	4.5
177.5°	4.5	4.5	4.5	0.0	0.0
180°	4.5	4.5	4.5	4.5	4.5



Report Generated By 670246072 / DESKTOP-MV3F9LC







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







107.5°	0.0	54.0	148.4	224.8	260.8
110°	0.0	49.5	134.9	206.8	238.3



(END OF REPORT)