

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: P709837

Luminaire Tested: **2AWWS-L3C39-UNV-5000K-HI**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709837
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-10)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2AWWS-L3C39-UNV-5000K-HI
Description: 2foot, Wide Adapt Surface Wrap with, RD lens and HI lumen setting,
5000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

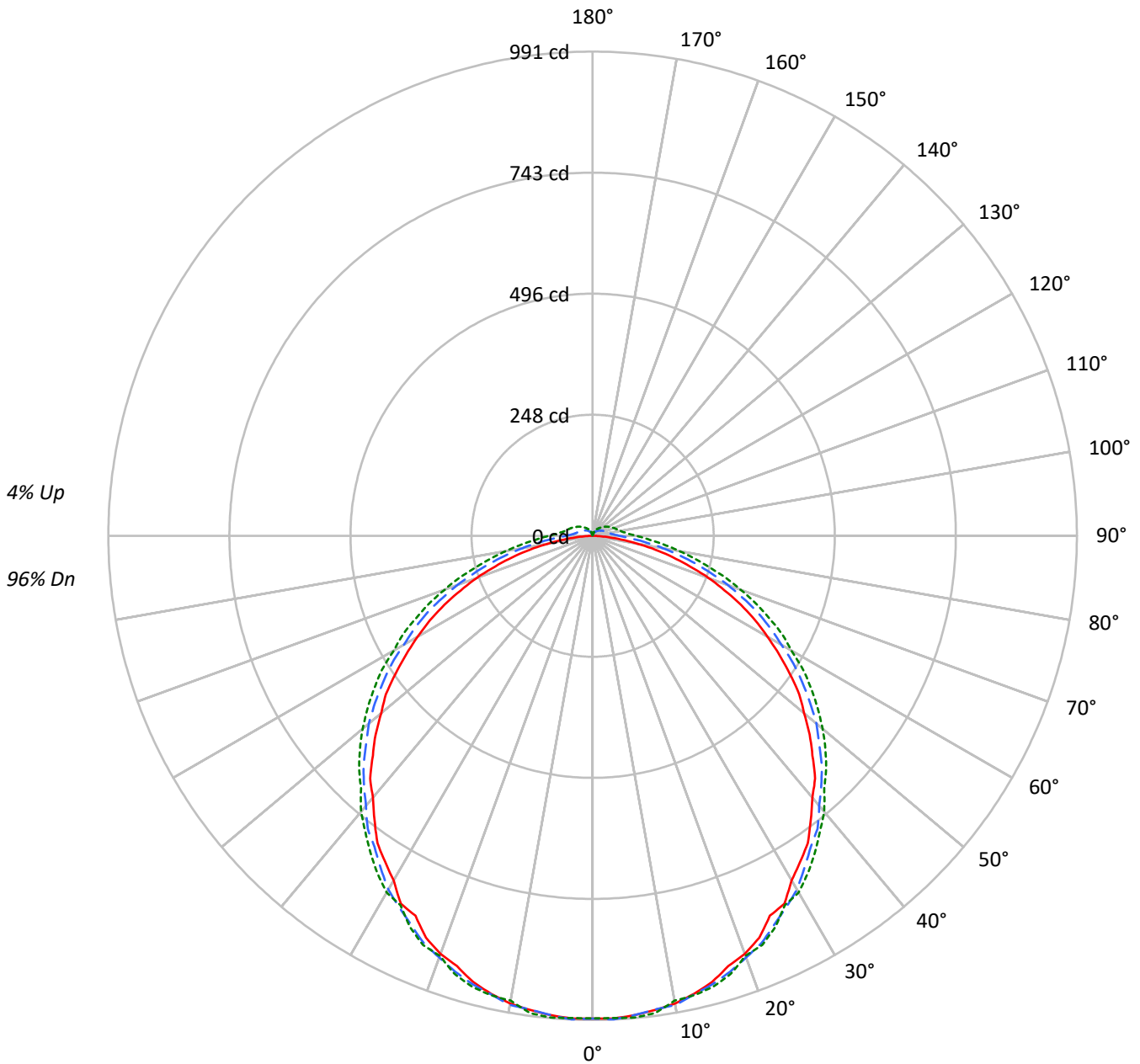
Lumens per Lamp: N/A
Luminaire Lumens: 3047.0 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.27 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 26
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

TEST NUMBER: P709837

CATALOG NUMBER: 2AWWS-L3C39-UNV-5000K-HI

Luminous Intensity Polar Plot





TEST NUMBER: P709837

CATALOG NUMBER: 2AWWS-L3C39-UNV-5000K-HI

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	118	118	118	118	115	115	115	115	109	109	109	103	103	103	98	98	98	98	98	98	96
1	107	102	97	93	104	99	95	91	94	91	88	90	87	84	85	83	81	81	81	81	79
2	97	89	81	76	94	86	80	74	82	77	72	78	74	70	74	71	67	67	67	67	65
3	88	78	69	62	85	76	68	62	72	65	60	69	63	58	66	61	57	57	57	57	54
4	81	69	60	53	78	67	59	52	64	57	51	61	55	50	58	53	49	49	49	49	46
5	74	61	52	45	72	60	51	45	57	50	44	55	48	43	52	47	42	42	42	42	40
6	68	55	46	39	66	54	45	39	52	44	38	49	43	38	47	42	37	37	37	37	35
7	63	50	41	35	61	49	40	34	47	39	34	45	38	33	43	37	33	33	33	33	31
8	59	45	37	31	57	45	36	31	43	35	30	41	35	30	40	34	29	29	29	29	27
9	55	42	33	28	53	41	33	28	39	32	27	38	32	27	37	31	26	26	26	26	25
10	52	38	30	25	50	38	30	25	36	29	25	35	29	24	34	28	24	24	24	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	7492	7492	7492
5°	7433	7359	7403
10°	7356	7234	7181
15°	7229	7054	7110
20°	7093	6875	6869
25°	6862	6684	6751
30°	6746	6515	6603
35°	6647	6258	6419
40°	6392	6049	6228
45°	6205	5851	6016
50°	5958	5611	5826
55°	5702	5302	5586
60°	5347	4927	5259
65°	4954	4588	4966
70°	4401	4102	4569
75°	3621	3511	4080
80°	2572	2866	3643
85°	1210	2219	3250



TEST NUMBER: P709837

CATALOG NUMBER: 2AWWS-L3C39-UNV-5000K-HI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.8	3.1
10°-20°	268.0	8.8
20°-30°	404.3	13.3
30°-40°	488.0	16.0
40°-50°	508.6	16.7
50°-60°	466.1	15.3
60°-70°	365.6	12.0
70°-80°	226.0	7.4
80°-90°	95.8	3.1
90°-100°	42.0	1.4
100°-110°	29.8	1.0
110°-120°	22.4	0.7
120°-130°	15.9	0.5
130°-140°	10.5	0.3
140°-150°	6.2	0.2
150°-160°	3.0	0.1
160°-170°	1.0	0.0
170°-180°	0.1	0.0
0°-30°	766.1	25.1
0°-40°	1254.1	41.2
0°-60°	2228.8	73.1
0°-90°	2916.1	95.7
90°-120°	94.1	3.1
90°-150°	126.8	4.2
90°-180°	131.0	4.3
0°-180°	3047.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	988	988	988	988	988	
5°	985	987	985	985	990	94
15°	945	947	950	953	955	266
25°	858	873	879	880	884	399
35°	768	771	778	791	793	477
45°	636	644	663	673	676	491
55°	492	505	524	535	546	440
65°	335	348	374	388	398	330
75°	169	187	216	240	246	180
85°	30	54	88	114	125	38
90°	2	23	54	78	88	2
95°	0	15	40	60	68	0
105°	0	11	30	46	52	0
115°	0	9	24	37	42	0
125°	0	8	19	28	33	0
135°	0	6	15	21	25	0
145°	1	5	11	15	17	1
155°	1	3	7	10	11	0
165°	1	2	3	5	5	0
175°	1	1	1	1	2	0
180°	1	1	1	1	1	



TEST NUMBER: P709837

CATALOG NUMBER: 2AWWS-L3C39-UNV-5000K-HI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	987.9	987.9	987.9	987.9	987.9
2.5°	988.9	992.8	990.9	988.9	987.9
5°	984.9	986.9	984.9	984.9	989.9
7.5°	979.0	981.9	978.0	983.9	984.9
10°	972.0	976.0	975.0	977.0	966.1
12.5°	960.1	965.1	961.1	966.1	963.1
15°	945.3	947.3	950.2	953.2	955.2
17.5°	923.5	932.4	935.4	938.3	940.3
20°	910.6	915.5	918.5	917.5	914.6
22.5°	890.8	893.7	902.7	900.7	906.6
25°	858.1	872.9	878.9	879.9	883.8
27.5°	849.2	850.2	857.1	863.0	852.1
30°	814.5	826.4	836.3	839.3	843.2
32.5°	790.7	800.6	806.6	817.5	819.4
35°	767.9	770.9	777.8	790.7	792.7
37.5°	733.2	742.1	756.0	763.0	763.9
40°	699.5	710.4	721.3	729.3	737.2
42.5°	673.8	679.7	692.6	702.5	701.5
45°	636.1	644.1	662.9	672.8	675.8
47.5°	602.4	614.3	628.2	643.1	646.0
50°	564.8	577.7	597.5	608.4	614.3
52.5°	533.1	541.0	560.8	571.7	580.6
55°	492.5	505.3	524.2	535.1	546.0
57.5°	452.8	468.7	487.5	505.3	511.3
60°	413.2	429.0	445.9	465.7	469.7
62.5°	375.5	392.4	410.2	430.0	438.0
65°	334.9	347.8	373.6	388.4	398.3
67.5°	292.3	308.2	332.9	349.8	361.7
70°	252.7	270.5	294.3	315.1	322.0
72.5°	209.1	230.9	253.7	275.5	285.4
75°	169.4	187.3	216.0	239.8	245.7
77.5°	131.8	148.6	179.3	203.1	212.0
80°	92.1	113.0	145.7	169.4	180.3
82.5°	58.5	80.3	113.9	139.7	151.6
85°	29.7	53.5	88.2	113.9	124.8
87.5°	9.9	33.7	67.4	94.1	105.0
90°	2.0	22.8	54.5	78.3	88.2
92.5°	0.0	16.8	45.6	67.4	76.3
95°	0.0	14.9	39.6	59.5	68.4
97.5°	0.0	13.9	36.7	54.5	61.4
100°	0.0	12.9	33.7	50.5	57.5
102.5°	0.0	11.9	31.7	47.6	54.5
105°	0.0	10.9	29.7	45.6	51.5



TEST NUMBER: P709837

CATALOG NUMBER: 2AWWS-L3C39-UNV-5000K-HI

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	9.9	25.8	37.7	43.6
115°	0.0	8.9	23.8	36.7	41.6
117.5°	0.0	8.9	22.8	33.7	38.6
120°	0.0	7.9	20.8	31.7	36.7
122.5°	0.0	7.9	19.8	30.7	34.7
125°	0.0	7.9	18.8	27.7	32.7
127.5°	0.0	6.9	17.8	26.8	29.7
130°	0.0	6.9	16.8	24.8	27.7
132.5°	0.0	5.9	15.9	22.8	25.8
135°	0.0	5.9	14.9	20.8	24.8
137.5°	0.0	5.9	13.9	19.8	21.8
140°	0.0	5.0	12.9	17.8	20.8
142.5°	1.0	5.0	10.9	16.8	18.8
145°	1.0	5.0	10.9	14.9	16.8
147.5°	1.0	4.0	9.9	13.9	15.9
150°	1.0	4.0	8.9	11.9	13.9
152.5°	1.0	3.0	7.9	10.9	11.9
155°	1.0	3.0	6.9	9.9	10.9
157.5°	1.0	3.0	5.9	7.9	8.9
160°	1.0	2.0	5.0	6.9	7.9
162.5°	1.0	2.0	4.0	5.9	6.9
165°	1.0	2.0	3.0	5.0	5.0
167.5°	1.0	2.0	3.0	4.0	4.0
170°	1.0	1.0	2.0	3.0	3.0
172.5°	1.0	1.0	2.0	2.0	2.0
175°	1.0	1.0	1.0	1.0	2.0
177.5°	1.0	1.0	1.0	1.0	1.0
180°	1.0	1.0	1.0	1.0	1.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	10.9	28.7	42.6	48.6
110°	0.0	9.9	26.8	40.6	46.6



(END OF REPORT)