

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: P709687

Luminaire Tested: **2AWS-L3C39-CA-UNV-3000K-HI**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709687
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: 2AWS-L3C39-CA-UNV-3000K-HI
Description: 2foot, Adapt Surface Wrap with, RD lens and HI lumen setting,
3000K, 90CRI

Light Source: -
Ballast/Driver: -

Summary

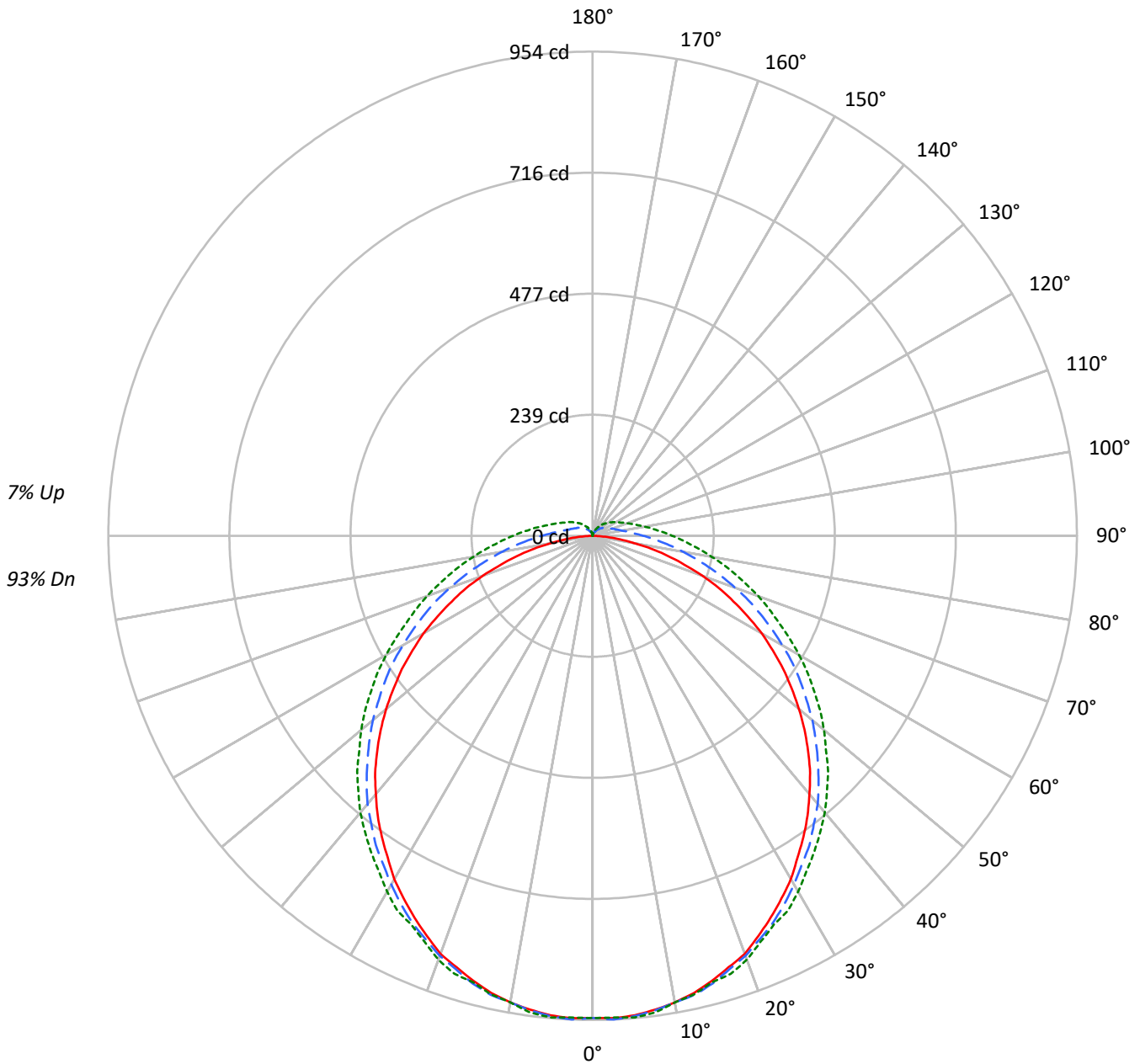
Lumens per Lamp: N/A
Luminaire Lumens: 3077.0 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 25
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: P709687

CATALOG NUMBER: 2AWS-L3C39-CA-UNV-3000K-HI

Luminous Intensity Polar Plot





TEST NUMBER: P709687

CATALOG NUMBER: 2AWS-L3C39-CA-UNV-3000K-HI

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	13000	13000	13000
5°	12951	12788	12795
10°	12814	12458	12402
15°	12623	12174	12056
20°	12446	11817	11819
25°	12138	11450	11377
30°	11863	11045	11121
35°	11528	10686	10746
40°	11205	10302	10432
45°	10854	9839	10069
50°	10428	9401	9659
55°	9947	8931	9249
60°	9400	8401	8850
65°	8618	7862	8393
70°	7715	7259	8089
75°	6444	6646	7766
80°	4679	6128	7571
85°	2492	5754	7622



TEST NUMBER: P709687

CATALOG NUMBER: 2AWS-L3C39-CA-UNV-3000K-HI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.1	2.9
10°-20°	257.2	8.4
20°-30°	386.9	12.6
30°-40°	464.7	15.1
40°-50°	483.9	15.7
50°-60°	444.6	14.4
60°-70°	357.1	11.6
70°-80°	243.4	7.9
80°-90°	138.4	4.5
90°-100°	77.5	2.5
100°-110°	49.0	1.6
110°-120°	33.5	1.1
120°-130°	23.0	0.7
130°-140°	14.6	0.5
140°-150°	8.1	0.3
150°-160°	3.7	0.1
160°-170°	1.2	0.0
170°-180°	0.2	0.0
<hr/>		
0°-30°	734.2	23.9
0°-40°	1198.9	39.0
0°-60°	2127.3	69.1
0°-90°	2866.2	93.1
90°-120°	160.0	5.2
90°-150°	205.8	6.7
90°-180°	211.0	6.9
0°-180°	3077.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	950	950	950	950	950	
5°	949	950	950	951	953	90
15°	908	906	913	916	910	256
25°	830	830	841	849	845	383
35°	724	728	744	755	761	453
45°	600	607	627	646	656	463
55°	459	472	500	523	532	409
65°	306	329	365	392	404	304
75°	154	186	236	275	290	163
85°	29	74	135	178	193	35
90°	1	44	99	140	156	2
95°	0	27	75	113	127	0
105°	0	18	48	75	86	0
115°	0	14	35	54	61	0
125°	1	10	27	41	46	1
135°	1	8	20	30	34	1
145°	1	5	14	20	22	1
155°	1	4	8	12	14	1
165°	1	3	4	5	7	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



TEST NUMBER: P709687

CATALOG NUMBER: 2AWS-L3C39-CA-UNV-3000K-HI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	950.0	950.0	950.0	950.0	950.0
2.5°	951.3	950.0	954.1	952.7	950.0
5°	948.6	950.0	950.0	951.3	952.7
7.5°	941.8	939.1	943.2	947.2	947.2
10°	933.6	930.9	933.6	936.4	933.6
12.5°	922.7	917.3	926.8	926.8	925.5
15°	907.8	906.4	913.2	915.9	910.5
17.5°	891.4	895.5	895.5	901.0	905.1
20°	876.5	873.8	880.6	884.6	888.7
22.5°	853.3	852.0	860.1	866.9	865.6
25°	830.2	830.2	841.1	849.3	845.2
27.5°	805.7	805.7	818.0	826.1	832.9
30°	781.2	783.9	793.5	804.3	809.8
32.5°	751.3	758.1	767.6	782.6	783.9
35°	724.0	728.1	744.5	755.3	760.8
37.5°	695.5	696.8	715.9	730.8	736.3
40°	664.2	666.9	690.0	703.6	711.8
42.5°	634.2	636.9	658.7	676.4	683.2
45°	600.2	607.0	627.4	646.5	656.0
47.5°	566.2	575.7	596.1	617.9	623.3
50°	530.8	540.3	564.8	582.5	594.8
52.5°	494.0	506.3	530.8	553.9	564.8
55°	458.7	472.3	499.5	522.6	532.1
57.5°	420.5	436.9	466.8	491.3	502.2
60°	385.2	398.8	431.4	457.3	469.5
62.5°	344.3	362.0	397.4	426.0	436.9
65°	306.2	329.4	364.7	392.0	404.2
67.5°	269.5	292.6	332.1	360.7	375.6
70°	230.0	255.9	298.1	330.7	347.1
72.5°	189.2	219.1	266.8	303.5	317.1
75°	153.8	186.5	235.5	274.9	289.9
77.5°	118.4	152.4	206.9	247.7	264.0
80°	83.0	121.1	181.0	223.2	238.2
82.5°	54.4	96.6	156.5	198.7	215.0
85°	28.6	73.5	134.7	178.3	193.3
87.5°	9.5	55.8	115.7	159.2	174.2
90°	1.4	43.6	99.4	140.2	156.5
92.5°	0.0	34.0	85.7	126.6	141.5
95°	0.0	27.2	74.9	113.0	126.6
97.5°	0.0	23.1	66.7	100.7	115.7
100°	0.0	20.4	58.5	91.2	103.4
102.5°	0.0	19.1	53.1	81.7	93.9
105°	0.0	17.7	47.6	74.9	85.7



TEST NUMBER: P709687

CATALOG NUMBER: 2AWS-L3C39-CA-UNV-3000K-HI

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	13.6	38.1	58.5	66.7
115°	0.0	13.6	35.4	54.4	61.2
117.5°	0.0	12.2	34.0	50.4	57.2
120°	0.0	10.9	31.3	47.6	54.4
122.5°	0.0	10.9	28.6	44.9	50.4
125°	1.4	9.5	27.2	40.8	46.3
127.5°	1.4	9.5	25.9	38.1	43.6
130°	1.4	8.2	23.1	35.4	39.5
132.5°	1.4	8.2	21.8	32.7	36.7
135°	1.4	8.2	20.4	29.9	34.0
137.5°	1.4	6.8	17.7	27.2	31.3
140°	1.4	6.8	16.3	24.5	28.6
142.5°	1.4	6.8	15.0	21.8	25.9
145°	1.4	5.4	13.6	20.4	21.8
147.5°	1.4	5.4	12.2	17.7	20.4
150°	1.4	4.1	10.9	15.0	17.7
152.5°	1.4	4.1	9.5	13.6	15.0
155°	1.4	4.1	8.2	12.2	13.6
157.5°	1.4	4.1	6.8	10.9	10.9
160°	1.4	2.7	5.4	8.2	9.5
162.5°	1.4	2.7	5.4	6.8	8.2
165°	1.4	2.7	4.1	5.4	6.8
167.5°	1.4	1.4	2.7	4.1	5.4
170°	1.4	1.4	2.7	2.7	4.1
172.5°	1.4	1.4	1.4	1.4	2.7
175°	1.4	1.4	1.4	1.4	1.4
177.5°	1.4	1.4	1.4	0.0	0.0
180°	1.4	1.4	1.4	1.4	1.4



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	16.3	44.9	68.0	78.9
110°	0.0	15.0	40.8	62.6	72.1



(END OF REPORT)