

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: P709683

Luminaire Tested: **2AWS-L3C3-UNV-4000K-MID**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709683
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-L3C3-UNV-4000K-MID
Description: 2foot, Adapt Surface Wrap with, RD lens and MID lumen setting,
4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

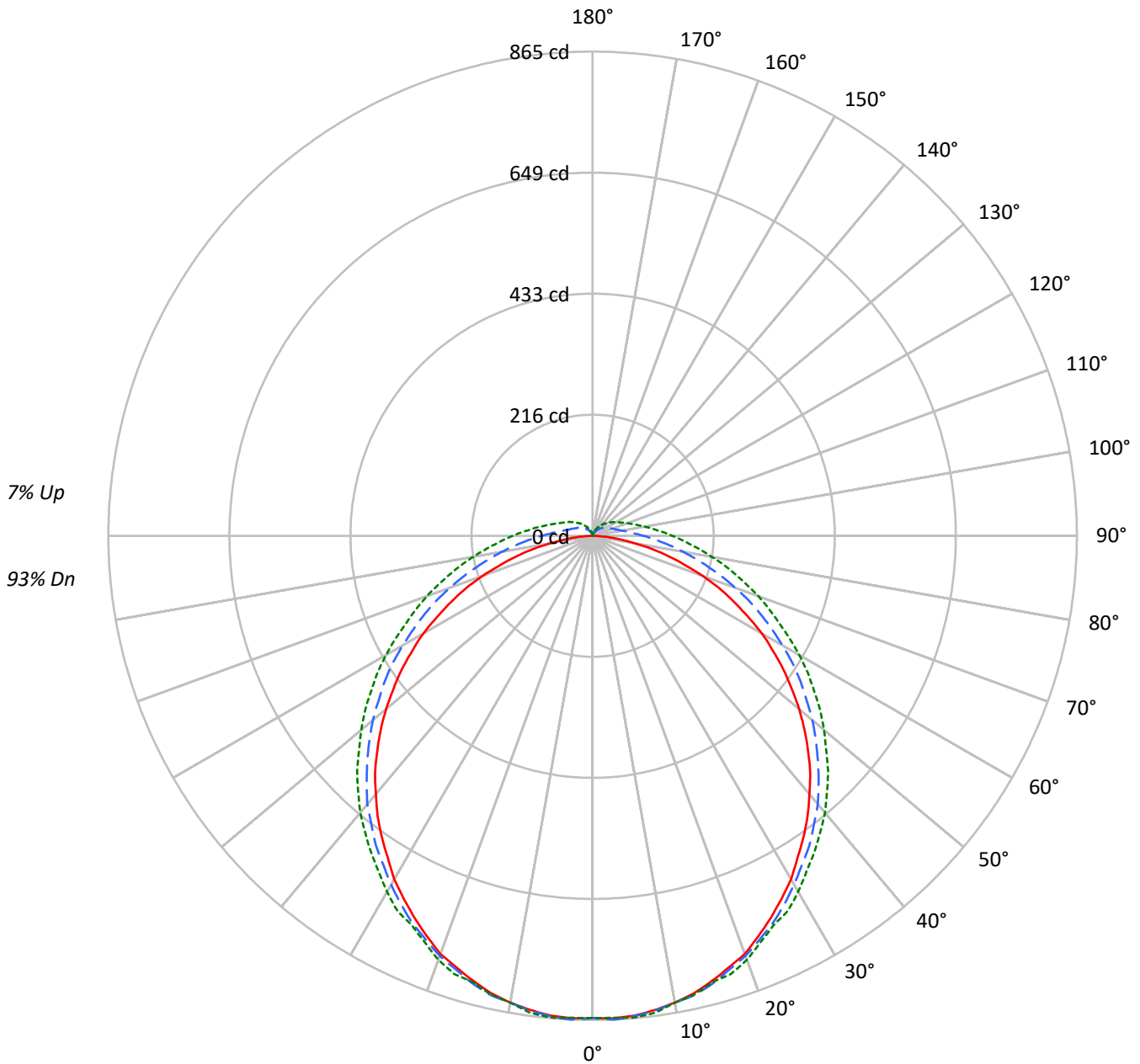
Lumens per Lamp: N/A
Luminaire Lumens: 2791.0 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 21
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	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°	11792	11792	11792
5°	11747	11599	11605
10°	11624	11301	11250
15°	11450	11042	10936
20°	11289	10718	10721
25°	11009	10385	10319
30°	10761	10018	10087
35°	10457	9692	9748
40°	10162	9345	9461
45°	9845	8924	9132
50°	9457	8527	8761
55°	9021	8101	8390
60°	8526	7620	8029
65°	7818	7131	7612
70°	6997	6584	7337
75°	5845	6028	7043
80°	4245	5559	6865
85°	2257	5220	6912



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.8	2.9
10°-20°	233.3	8.4
20°-30°	351.0	12.6
30°-40°	421.5	15.1
40°-50°	438.9	15.7
50°-60°	403.3	14.4
60°-70°	323.9	11.6
70°-80°	220.8	7.9
80°-90°	125.5	4.5
90°-100°	70.3	2.5
100°-110°	44.5	1.6
110°-120°	30.4	1.1
120°-130°	20.9	0.7
130°-140°	13.3	0.5
140°-150°	7.4	0.3
150°-160°	3.4	0.1
160°-170°	1.1	0.0
170°-180°	0.1	0.0
0°-30°	666.0	23.9
0°-40°	1087.5	39.0
0°-60°	1929.6	69.1
0°-90°	2599.8	93.2
90°-120°	145.1	5.2
90°-150°	186.6	6.7
90°-180°	191.0	6.8
0°-180°	2791.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	862	862	862	862	862	
5°	860	862	862	863	864	82
15°	823	822	828	831	826	232
25°	753	753	763	770	767	347
35°	657	660	675	685	690	411
45°	544	551	569	586	595	420
55°	416	428	453	474	483	371
65°	278	299	331	356	367	275
75°	140	169	214	249	263	148
85°	26	67	122	162	175	32
90°	1	40	90	127	142	2
95°	0	25	68	102	115	0
105°	0	16	43	68	78	0
115°	0	12	32	49	56	0
125°	1	9	25	37	42	1
135°	1	7	18	27	31	1
145°	1	5	12	18	20	1
155°	1	4	7	11	12	1
165°	1	2	4	5	6	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	861.7	861.7	861.7	861.7	861.7
2.5°	862.9	861.7	865.4	864.1	861.7
5°	860.4	861.7	861.7	862.9	864.1
7.5°	854.3	851.8	855.5	859.2	859.2
10°	846.9	844.4	846.9	849.3	846.9
12.5°	837.0	832.0	840.7	840.7	839.4
15°	823.4	822.2	828.3	830.8	825.9
17.5°	808.6	812.3	812.3	817.2	820.9
20°	795.0	792.5	798.7	802.4	806.1
22.5°	774.0	772.8	780.2	786.4	785.1
25°	753.0	753.0	762.9	770.3	766.6
27.5°	730.8	730.8	741.9	749.3	755.5
30°	708.6	711.1	719.7	729.6	734.5
32.5°	681.4	687.6	696.2	709.8	711.1
35°	656.7	660.4	675.3	685.1	690.1
37.5°	630.8	632.1	649.3	662.9	667.9
40°	602.4	604.9	625.9	638.2	645.6
42.5°	575.3	577.7	597.5	613.5	619.7
45°	544.4	550.6	569.1	586.4	595.0
47.5°	513.5	522.2	540.7	560.5	565.4
50°	481.4	490.1	512.3	528.4	539.5
52.5°	448.1	459.2	481.4	502.4	512.3
55°	416.0	428.4	453.1	474.0	482.7
57.5°	381.5	396.3	423.4	445.6	455.5
60°	349.4	361.7	391.3	414.8	425.9
62.5°	312.3	328.4	360.5	386.4	396.3
65°	277.8	298.7	330.8	355.5	366.6
67.5°	244.4	265.4	301.2	327.1	340.7
70°	208.6	232.1	270.4	300.0	314.8
72.5°	171.6	198.8	242.0	275.3	287.6
75°	139.5	169.1	213.6	249.4	262.9
77.5°	107.4	138.3	187.6	224.7	239.5
80°	75.3	109.9	164.2	202.5	216.0
82.5°	49.4	87.6	142.0	180.2	195.0
85°	25.9	66.7	122.2	161.7	175.3
87.5°	8.6	50.6	104.9	144.4	158.0
90°	1.2	39.5	90.1	127.2	142.0
92.5°	0.0	30.9	77.8	114.8	128.4
95°	0.0	24.7	67.9	102.5	114.8
97.5°	0.0	21.0	60.5	91.4	104.9
100°	0.0	18.5	53.1	82.7	93.8
102.5°	0.0	17.3	48.1	74.1	85.2
105°	0.0	16.0	43.2	67.9	77.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	12.3	34.6	53.1	60.5
115°	0.0	12.3	32.1	49.4	55.6
117.5°	0.0	11.1	30.9	45.7	51.8
120°	0.0	9.9	28.4	43.2	49.4
122.5°	0.0	9.9	25.9	40.7	45.7
125°	1.2	8.6	24.7	37.0	42.0
127.5°	1.2	8.6	23.5	34.6	39.5
130°	1.2	7.4	21.0	32.1	35.8
132.5°	1.2	7.4	19.8	29.6	33.3
135°	1.2	7.4	18.5	27.2	30.9
137.5°	1.2	6.2	16.0	24.7	28.4
140°	1.2	6.2	14.8	22.2	25.9
142.5°	1.2	6.2	13.6	19.8	23.5
145°	1.2	4.9	12.3	18.5	19.8
147.5°	1.2	4.9	11.1	16.0	18.5
150°	1.2	3.7	9.9	13.6	16.0
152.5°	1.2	3.7	8.6	12.3	13.6
155°	1.2	3.7	7.4	11.1	12.3
157.5°	1.2	3.7	6.2	9.9	9.9
160°	1.2	2.5	4.9	7.4	8.6
162.5°	1.2	2.5	4.9	6.2	7.4
165°	1.2	2.5	3.7	4.9	6.2
167.5°	1.2	1.2	2.5	3.7	4.9
170°	1.2	1.2	2.5	2.5	3.7
172.5°	1.2	1.2	1.2	1.2	2.5
175°	1.2	1.2	1.2	1.2	1.2
177.5°	1.2	1.2	1.2	0.0	0.0
180°	1.2	1.2	1.2	1.2	1.2



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	14.8	40.7	61.7	71.6
110°	0.0	13.6	37.0	56.8	65.4



(END OF REPORT)