

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: P709680

Luminaire Tested: **2AWS-L3C3-UNV-3500K-MID**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709680
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-3500K-MID
Description: 2foot, Adapt Surface Wrap with, RD lens and MID lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

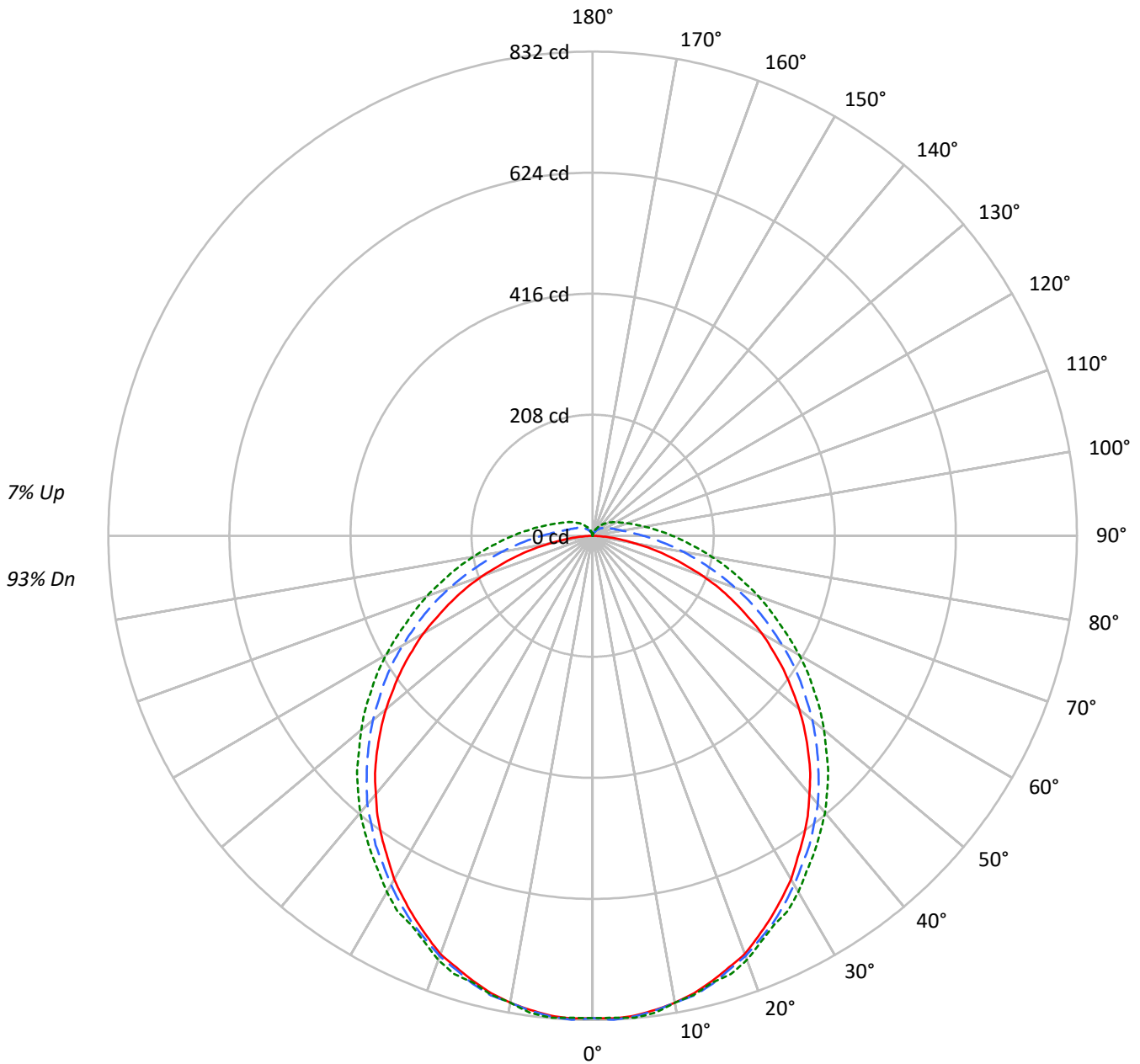
Lumens per Lamp: N/A
Luminaire Lumens: 2685.0 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 22
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°	11343	11343	11343
5°	11302	11158	11164
10°	11182	10872	10823
15°	11014	10623	10520
20°	10860	10311	10314
25°	10591	9990	9928
30°	10352	9638	9704
35°	10060	9324	9378
40°	9776	8990	9102
45°	9470	8586	8785
50°	9100	8204	8428
55°	8678	7792	8072
60°	8202	7332	7723
65°	7520	6862	7323
70°	6732	6333	7057
75°	5623	5799	6778
80°	4081	5349	6604
85°	2169	5023	6648



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	2.9
10°-20°	224.4	8.4
20°-30°	337.6	12.6
30°-40°	405.5	15.1
40°-50°	422.2	15.7
50°-60°	388.0	14.4
60°-70°	311.6	11.6
70°-80°	212.4	7.9
80°-90°	120.7	4.5
90°-100°	67.6	2.5
100°-110°	42.8	1.6
110°-120°	29.2	1.1
120°-130°	20.1	0.7
130°-140°	12.8	0.5
140°-150°	7.1	0.3
150°-160°	3.2	0.1
160°-170°	1.0	0.0
170°-180°	0.1	0.0
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0°-30°	640.7	23.9
0°-40°	1046.2	39.0
0°-60°	1856.3	69.1
0°-90°	2501.1	93.1
90°-120°	139.6	5.2
90°-150°	179.6	6.7
90°-180°	184.0	6.9
0°-180°	2685.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	829	829	829	829	829	
5°	828	829	829	830	831	79
15°	792	791	797	799	794	224
25°	724	724	734	741	738	334
35°	632	635	650	659	664	395
45°	524	530	548	564	572	404
55°	400	412	436	456	464	357
65°	267	287	318	342	353	265
75°	134	163	206	240	253	142
85°	25	64	118	156	169	31
90°	1	38	87	122	137	1
95°	0	24	65	99	110	0
105°	0	15	42	65	75	0
115°	0	12	31	48	53	0
125°	1	8	24	36	40	1
135°	1	7	18	26	30	1
145°	1	5	12	18	19	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°	828.9	828.9	828.9	828.9	828.9
2.5°	830.1	828.9	832.5	831.3	828.9
5°	827.8	828.9	828.9	830.1	831.3
7.5°	821.8	819.4	823.0	826.6	826.6
10°	814.7	812.3	814.7	817.1	814.7
12.5°	805.2	800.4	808.8	808.8	807.6
15°	792.1	790.9	796.9	799.3	794.5
17.5°	777.9	781.4	781.4	786.2	789.8
20°	764.8	762.4	768.4	771.9	775.5
22.5°	744.6	743.4	750.6	756.5	755.3
25°	724.4	724.4	733.9	741.1	737.5
27.5°	703.1	703.1	713.7	720.9	726.8
30°	681.7	684.1	692.4	701.9	706.6
32.5°	655.6	661.5	669.8	682.9	684.1
35°	631.8	635.4	649.6	659.1	663.9
37.5°	606.9	608.1	624.7	637.7	642.5
40°	579.5	581.9	602.1	614.0	621.1
42.5°	553.4	555.8	574.8	590.2	596.2
45°	523.7	529.7	547.5	564.1	572.4
47.5°	494.0	502.4	520.2	539.2	543.9
50°	463.2	471.5	492.9	508.3	519.0
52.5°	431.1	441.8	463.2	483.4	492.9
55°	400.2	412.1	435.8	456.0	464.4
57.5°	367.0	381.2	407.3	428.7	438.2
60°	336.1	348.0	376.5	399.0	409.7
62.5°	300.5	315.9	346.8	371.7	381.2
65°	267.2	287.4	318.3	342.0	352.7
67.5°	235.1	255.3	289.8	314.7	327.8
70°	200.7	223.3	260.1	288.6	302.8
72.5°	165.1	191.2	232.8	264.8	276.7
75°	134.2	162.7	205.5	239.9	253.0
77.5°	103.3	133.0	180.5	216.1	230.4
80°	72.4	105.7	158.0	194.8	207.8
82.5°	47.5	84.3	136.6	173.4	187.6
85°	24.9	64.1	117.6	155.6	168.6
87.5°	8.3	48.7	100.9	138.9	152.0
90°	1.2	38.0	86.7	122.3	136.6
92.5°	0.0	29.7	74.8	110.4	123.5
95°	0.0	23.8	65.3	98.6	110.4
97.5°	0.0	20.2	58.2	87.9	100.9
100°	0.0	17.8	51.1	79.6	90.3
102.5°	0.0	16.6	46.3	71.3	81.9
105°	0.0	15.4	41.6	65.3	74.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	11.9	33.3	51.1	58.2
115°	0.0	11.9	30.9	47.5	53.4
117.5°	0.0	10.7	29.7	43.9	49.9
120°	0.0	9.5	27.3	41.6	47.5
122.5°	0.0	9.5	24.9	39.2	43.9
125°	1.2	8.3	23.8	35.6	40.4
127.5°	1.2	8.3	22.6	33.3	38.0
130°	1.2	7.1	20.2	30.9	34.4
132.5°	1.2	7.1	19.0	28.5	32.1
135°	1.2	7.1	17.8	26.1	29.7
137.5°	1.2	5.9	15.4	23.8	27.3
140°	1.2	5.9	14.3	21.4	24.9
142.5°	1.2	5.9	13.1	19.0	22.6
145°	1.2	4.8	11.9	17.8	19.0
147.5°	1.2	4.8	10.7	15.4	17.8
150°	1.2	3.6	9.5	13.1	15.4
152.5°	1.2	3.6	8.3	11.9	13.1
155°	1.2	3.6	7.1	10.7	11.9
157.5°	1.2	3.6	5.9	9.5	9.5
160°	1.2	2.4	4.8	7.1	8.3
162.5°	1.2	2.4	4.8	5.9	7.1
165°	1.2	2.4	3.6	4.8	5.9
167.5°	1.2	1.2	2.4	3.6	4.8
170°	1.2	1.2	2.4	2.4	3.6
172.5°	1.2	1.2	1.2	1.2	2.4
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	14.3	39.2	59.4	68.9
110°	0.0	13.1	35.6	54.6	62.9



(END OF REPORT)