

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: P709678

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

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709678
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-HI
Description: 2foot, Adapt Surface Wrap with, RD lens and HI lumen setting,
3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

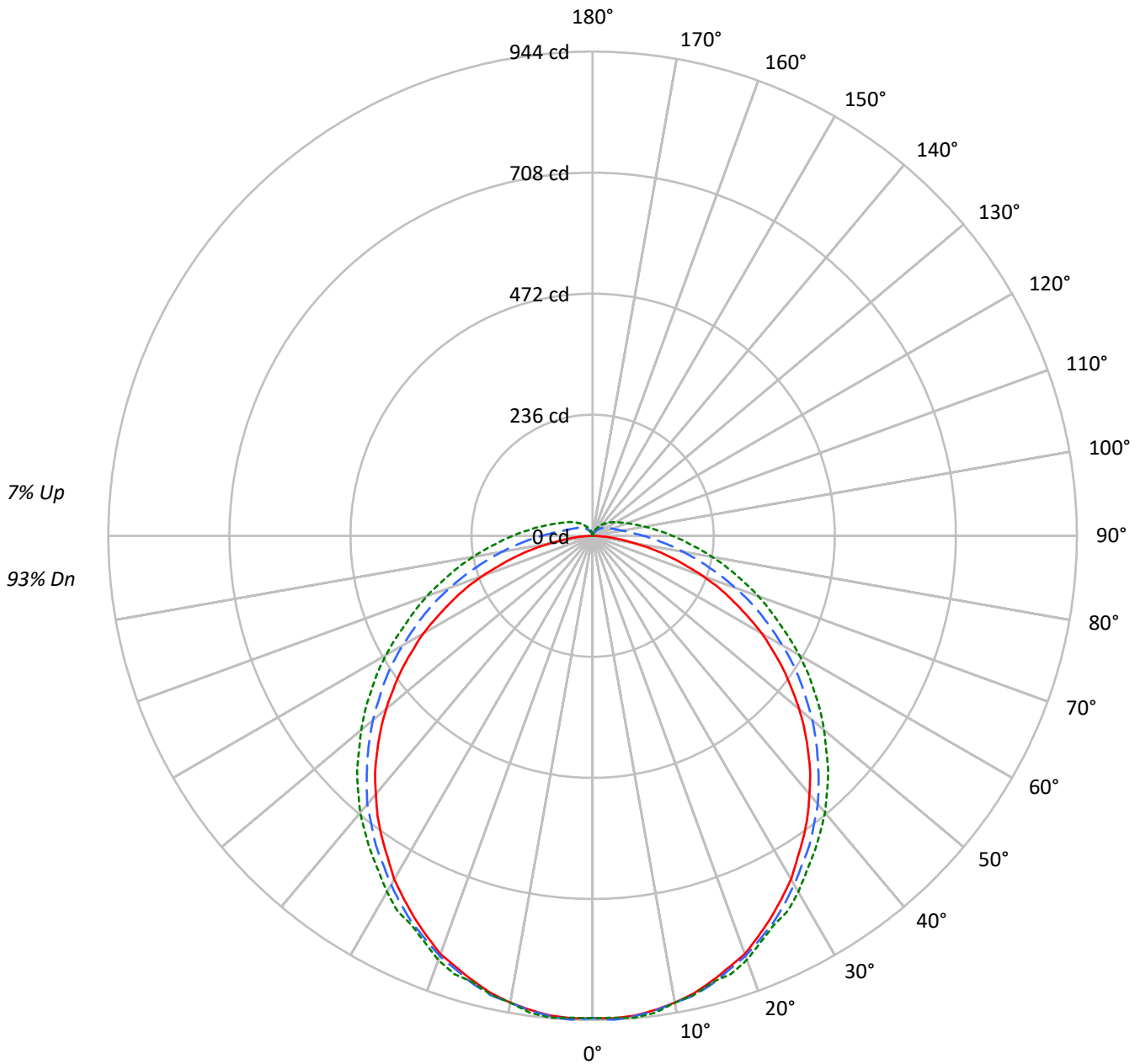
Lumens per Lamp: N/A
Luminaire Lumens: 3046.0 lumens
Efficiency: N/A
Efficacy: 117.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 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

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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°	12869	12869	12869
5°	12820	12658	12666
10°	12685	12333	12277
15°	12495	12051	11934
20°	12320	11697	11701
25°	12015	11334	11263
30°	11743	10934	11008
35°	11412	10578	10638
40°	11092	10199	10326
45°	10743	9740	9967
50°	10322	9306	9562
55°	9845	8840	9157
60°	9305	8317	8762
65°	8530	7784	8307
70°	7638	7186	8008
75°	6377	6578	7689
80°	4634	6067	7494
85°	2466	5698	7543



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.2	2.9
10°-20°	254.6	8.4
20°-30°	383.0	12.6
30°-40°	460.0	15.1
40°-50°	479.0	15.7
50°-60°	440.1	14.4
60°-70°	353.5	11.6
70°-80°	241.0	7.9
80°-90°	137.0	4.5
90°-100°	76.7	2.5
100°-110°	48.6	1.6
110°-120°	33.1	1.1
120°-130°	22.8	0.7
130°-140°	14.5	0.5
140°-150°	8.1	0.3
150°-160°	3.7	0.1
160°-170°	1.2	0.0
170°-180°	0.1	0.0
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0°-30°	726.8	23.9
0°-40°	1186.8	39.0
0°-60°	2105.9	69.1
0°-90°	2837.4	93.2
90°-120°	158.4	5.2
90°-150°	203.7	6.7
90°-180°	209.0	6.9
0°-180°	3046.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	940	940	940	940	940	
5°	939	940	940	942	943	89
15°	899	897	904	907	901	254
25°	822	822	833	841	837	379
35°	717	721	737	748	753	448
45°	594	601	621	640	649	458
55°	454	468	494	517	527	405
65°	303	326	361	388	400	301
75°	152	185	233	272	287	161
85°	28	73	133	176	191	35
90°	1	43	98	139	155	2
95°	0	27	74	112	125	0
105°	0	18	47	74	85	0
115°	0	14	35	54	61	0
125°	1	9	27	40	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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	940.4	940.4	940.4	940.4	940.4
2.5°	941.7	940.4	944.4	943.1	940.4
5°	939.0	940.4	940.4	941.7	943.1
7.5°	932.3	929.6	933.7	937.7	937.7
10°	924.2	921.5	924.2	926.9	924.2
12.5°	913.5	908.1	917.5	917.5	916.1
15°	898.6	897.3	904.0	906.7	901.3
17.5°	882.5	886.5	886.5	891.9	895.9
20°	867.6	864.9	871.7	875.7	879.8
22.5°	844.7	843.4	851.5	858.2	856.9
25°	821.8	821.8	832.6	840.7	836.7
27.5°	797.6	797.6	809.7	817.8	824.5
30°	773.3	776.0	785.5	796.2	801.6
32.5°	743.7	750.4	759.9	774.7	776.0
35°	716.7	720.8	737.0	747.7	753.1
37.5°	688.5	689.8	708.7	723.5	728.9
40°	657.5	660.2	683.1	696.5	704.6
42.5°	627.8	630.5	652.1	669.6	676.3
45°	594.1	600.9	621.1	640.0	649.4
47.5°	560.5	569.9	590.1	611.7	617.1
50°	525.4	534.9	559.1	576.6	588.8
52.5°	489.1	501.2	525.4	548.3	559.1
55°	454.0	467.5	494.4	517.4	526.8
57.5°	416.3	432.5	462.1	486.4	497.1
60°	381.3	394.8	427.1	452.7	464.8
62.5°	340.9	358.4	393.4	421.7	432.5
65°	303.1	326.0	361.1	388.0	400.1
67.5°	266.8	289.7	328.7	357.0	371.8
70°	227.7	253.3	295.1	327.4	343.6
72.5°	187.3	216.9	264.1	300.4	313.9
75°	152.2	184.6	233.1	272.1	287.0
77.5°	117.2	150.9	204.8	245.2	261.4
80°	82.2	119.9	179.2	221.0	235.8
82.5°	53.9	95.7	154.9	196.7	212.9
85°	28.3	72.8	133.4	176.5	191.3
87.5°	9.4	55.2	114.5	157.6	172.5
90°	1.3	43.1	98.4	138.8	154.9
92.5°	0.0	33.7	84.9	125.3	140.1
95°	0.0	26.9	74.1	111.8	125.3
97.5°	0.0	22.9	66.0	99.7	114.5
100°	0.0	20.2	57.9	90.3	102.4
102.5°	0.0	18.9	52.5	80.8	93.0
105°	0.0	17.5	47.2	74.1	84.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	13.5	37.7	57.9	66.0
115°	0.0	13.5	35.0	53.9	60.6
117.5°	0.0	12.1	33.7	49.8	56.6
120°	0.0	10.8	31.0	47.2	53.9
122.5°	0.0	10.8	28.3	44.5	49.8
125°	1.3	9.4	26.9	40.4	45.8
127.5°	1.3	9.4	25.6	37.7	43.1
130°	1.3	8.1	22.9	35.0	39.1
132.5°	1.3	8.1	21.6	32.3	36.4
135°	1.3	8.1	20.2	29.6	33.7
137.5°	1.3	6.7	17.5	26.9	31.0
140°	1.3	6.7	16.2	24.3	28.3
142.5°	1.3	6.7	14.8	21.6	25.6
145°	1.3	5.4	13.5	20.2	21.6
147.5°	1.3	5.4	12.1	17.5	20.2
150°	1.3	4.0	10.8	14.8	17.5
152.5°	1.3	4.0	9.4	13.5	14.8
155°	1.3	4.0	8.1	12.1	13.5
157.5°	1.3	4.0	6.7	10.8	10.8
160°	1.3	2.7	5.4	8.1	9.4
162.5°	1.3	2.7	5.4	6.7	8.1
165°	1.3	2.7	4.0	5.4	6.7
167.5°	1.3	1.3	2.7	4.0	5.4
170°	1.3	1.3	2.7	2.7	4.0
172.5°	1.3	1.3	1.3	1.3	2.7
175°	1.3	1.3	1.3	1.3	1.3
177.5°	1.3	1.3	1.3	0.0	0.0
180°	1.3	1.3	1.3	1.3	1.3



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	16.2	44.5	67.4	78.1
110°	0.0	14.8	40.4	62.0	71.4



(END OF REPORT)