

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: P709685

Luminaire Tested: **2AWS-L3C3-UNV-5000K-LOW**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709685
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-5000K-LOW
Description: 2foot, Adapt Surface Wrap with, RD lens and LOW lumen setting,
5000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

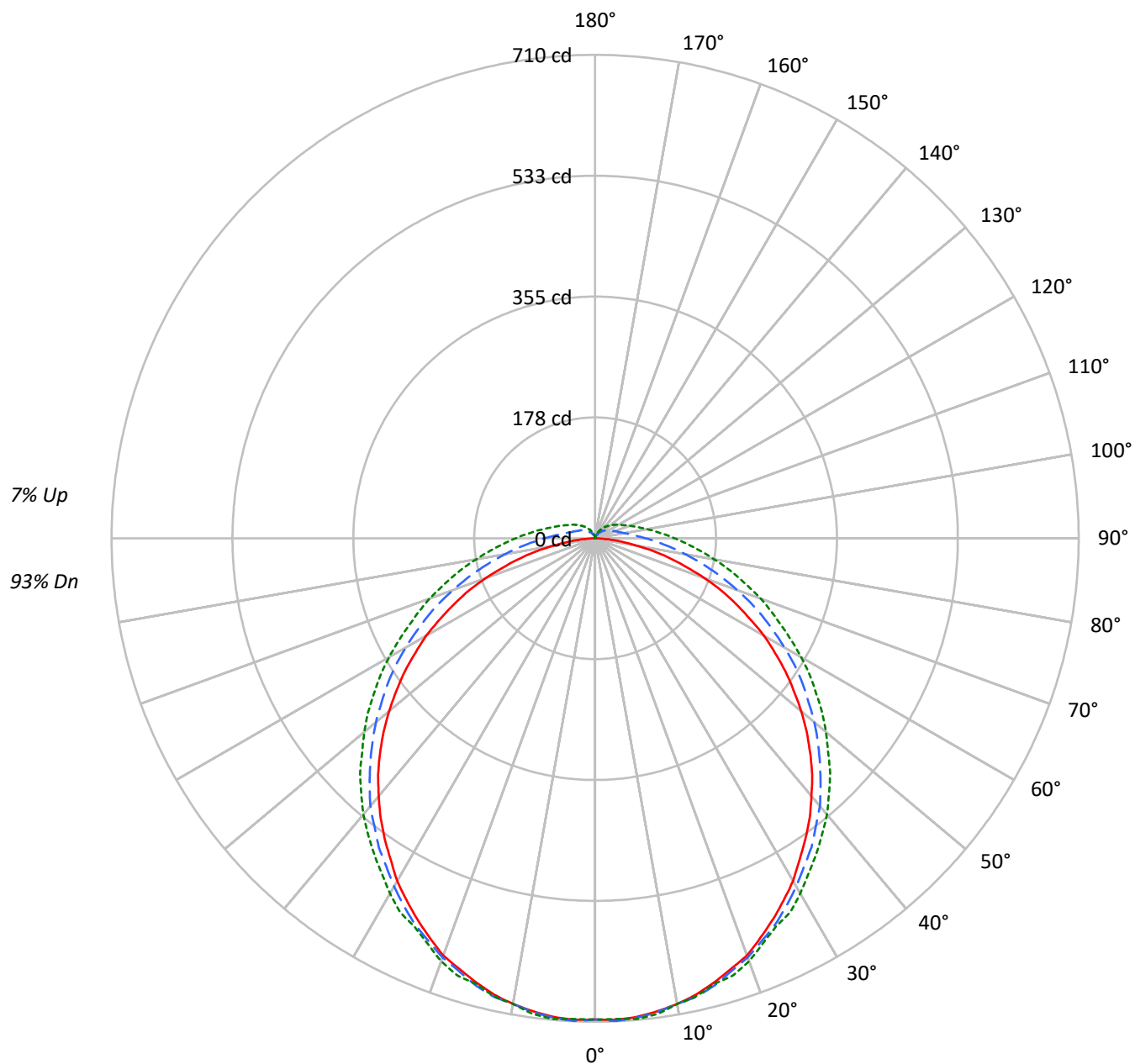
Lumens per Lamp: N/A
Luminaire Lumens: 2289.0 lumens
Efficiency: N/A
Efficacy: 127.2 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.26 / 1.37
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')
CIE Type: Direct

Input Watts (W): 18
Input Voltage (V): NR
Input Current (Ain): 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
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96
1	106	101	96	92	102	98	93	89	92	89	85	87	84	81	82	80	78
2	96	87	80	74	93	85	78	72	80	74	70	76	71	67	71	68	64
3	87	76	68	61	84	74	66	60	70	63	58	66	61	56	63	58	54
4	80	67	58	51	77	65	57	51	62	55	49	59	53	48	56	51	46
5	73	60	51	44	71	58	50	43	56	48	42	53	46	41	50	45	40
6	68	54	45	38	65	53	44	38	50	43	37	48	41	36	46	40	35
7	63	49	40	34	60	48	39	33	46	38	33	43	37	32	42	36	31
8	58	45	36	30	56	44	35	30	42	34	29	40	33	29	38	32	28
9	54	41	33	27	53	40	32	27	38	31	26	37	30	26	35	29	25
10	51	38	30	24	49	37	29	24	35	29	24	34	28	23	33	27	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9671	9671	9671
5°	9635	9513	9518
10°	9532	9268	9226
15°	9390	9057	8968
20°	9258	8791	8792
25°	9030	8518	8463
30°	8824	8217	8273
35°	8576	7949	7995
40°	8335	7664	7760
45°	8074	7319	7490
50°	7758	6994	7185
55°	7399	6644	6881
60°	6991	6249	6585
65°	6411	5849	6244
70°	5739	5398	6018
75°	4793	4944	5779
80°	3484	4561	5632
85°	1856	4280	5670



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.1	2.9
10°-20°	191.3	8.4
20°-30°	287.8	12.6
30°-40°	345.7	15.1
40°-50°	360.0	15.7
50°-60°	330.7	14.4
60°-70°	265.6	11.6
70°-80°	181.1	7.9
80°-90°	102.9	4.5
90°-100°	57.6	2.5
100°-110°	36.5	1.6
110°-120°	24.9	1.1
120°-130°	17.1	0.7
130°-140°	10.9	0.5
140°-150°	6.0	0.3
150°-160°	2.7	0.1
160°-170°	0.9	0.0
170°-180°	0.1	0.0
0°-30°	546.2	23.9
0°-40°	891.9	39.0
0°-60°	1582.6	69.1
0°-90°	2132.2	93.2
90°-120°	119.0	5.2
90°-150°	153.0	6.7
90°-180°	157.0	6.9
0°-180°	2289.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	707	707	707	707	707	
5°	706	707	707	708	709	67
15°	675	674	679	681	677	191
25°	618	618	626	632	629	285
35°	539	542	554	562	566	337
45°	446	452	467	481	488	344
55°	341	351	372	389	396	305
65°	228	245	271	292	301	226
75°	114	139	175	204	216	121
85°	21	55	100	133	144	26
90°	1	32	74	104	116	1
95°	0	20	56	84	94	0
105°	0	13	35	56	64	0
115°	0	10	26	40	46	0
125°	1	7	20	30	34	1
135°	1	6	15	22	25	1
145°	1	4	10	15	16	1
155°	1	3	6	9	10	0
165°	1	2	3	4	5	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°	706.7	706.7	706.7	706.7	706.7
2.5°	707.7	706.7	709.7	708.7	706.7
5°	705.7	706.7	706.7	707.7	708.7
7.5°	700.6	698.6	701.6	704.7	704.7
10°	694.5	692.5	694.5	696.6	694.5
12.5°	686.4	682.4	689.5	689.5	688.5
15°	675.3	674.3	679.4	681.4	677.3
17.5°	663.2	666.2	666.2	670.2	673.3
20°	652.0	650.0	655.1	658.1	661.1
22.5°	634.8	633.8	639.9	644.9	643.9
25°	617.6	617.6	625.7	631.8	628.7
27.5°	599.4	599.4	608.5	614.6	619.6
30°	581.1	583.2	590.3	598.4	602.4
32.5°	558.9	563.9	571.0	582.2	583.2
35°	538.6	541.7	553.8	561.9	566.0
37.5°	517.4	518.4	532.5	543.7	547.7
40°	494.1	496.1	513.3	523.4	529.5
42.5°	471.8	473.8	490.0	503.2	508.2
45°	446.5	451.6	466.7	480.9	488.0
47.5°	421.2	428.3	443.5	459.7	463.7
50°	394.9	401.9	420.2	433.3	442.4
52.5°	367.5	376.6	394.9	412.1	420.2
55°	341.2	351.3	371.6	388.8	395.9
57.5°	312.8	325.0	347.3	365.5	373.6
60°	286.5	296.6	320.9	340.2	349.3
62.5°	256.1	269.3	295.6	316.9	325.0
65°	227.8	245.0	271.3	291.6	300.7
67.5°	200.5	217.7	247.0	268.3	279.4
70°	171.1	190.3	221.7	246.0	258.2
72.5°	140.7	163.0	198.4	225.8	235.9
75°	114.4	138.7	175.2	204.5	215.7
77.5°	88.1	113.4	153.9	184.3	196.4
80°	61.8	90.1	134.7	166.0	177.2
82.5°	40.5	71.9	116.4	147.8	160.0
85°	21.3	54.7	100.2	132.6	143.8
87.5°	7.1	41.5	86.1	118.5	129.6
90°	1.0	32.4	73.9	104.3	116.4
92.5°	0.0	25.3	63.8	94.2	105.3
95°	0.0	20.2	55.7	84.0	94.2
97.5°	0.0	17.2	49.6	74.9	86.1
100°	0.0	15.2	43.5	67.8	76.9
102.5°	0.0	14.2	39.5	60.7	69.9
105°	0.0	13.2	35.4	55.7	63.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	10.1	28.3	43.5	49.6
115°	0.0	10.1	26.3	40.5	45.6
117.5°	0.0	9.1	25.3	37.5	42.5
120°	0.0	8.1	23.3	35.4	40.5
122.5°	0.0	8.1	21.3	33.4	37.5
125°	1.0	7.1	20.2	30.4	34.4
127.5°	1.0	7.1	19.2	28.3	32.4
130°	1.0	6.1	17.2	26.3	29.4
132.5°	1.0	6.1	16.2	24.3	27.3
135°	1.0	6.1	15.2	22.3	25.3
137.5°	1.0	5.1	13.2	20.2	23.3
140°	1.0	5.1	12.1	18.2	21.3
142.5°	1.0	5.1	11.1	16.2	19.2
145°	1.0	4.0	10.1	15.2	16.2
147.5°	1.0	4.0	9.1	13.2	15.2
150°	1.0	3.0	8.1	11.1	13.2
152.5°	1.0	3.0	7.1	10.1	11.1
155°	1.0	3.0	6.1	9.1	10.1
157.5°	1.0	3.0	5.1	8.1	8.1
160°	1.0	2.0	4.0	6.1	7.1
162.5°	1.0	2.0	4.0	5.1	6.1
165°	1.0	2.0	3.0	4.0	5.1
167.5°	1.0	1.0	2.0	3.0	4.0
170°	1.0	1.0	2.0	2.0	3.0
172.5°	1.0	1.0	1.0	1.0	2.0
175°	1.0	1.0	1.0	1.0	1.0
177.5°	1.0	1.0	1.0	0.0	0.0
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	12.1	33.4	50.6	58.7
110°	0.0	11.1	30.4	46.6	53.7



(END OF REPORT)