

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: P709823

Luminaire Tested: **2AWWS-L3C3-SQR-UNV-3500K-LOW**

Issue Date: 9/26/2023



Test Information

Test Method: LM-79-08
Report Number: P709823
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2AWWS-L3C3-SQR-UNV-3500K-LOW
Description: 2foot, Wide Adapt Surface Wrap with, SQR lens and LOW lumen setting, 3500K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

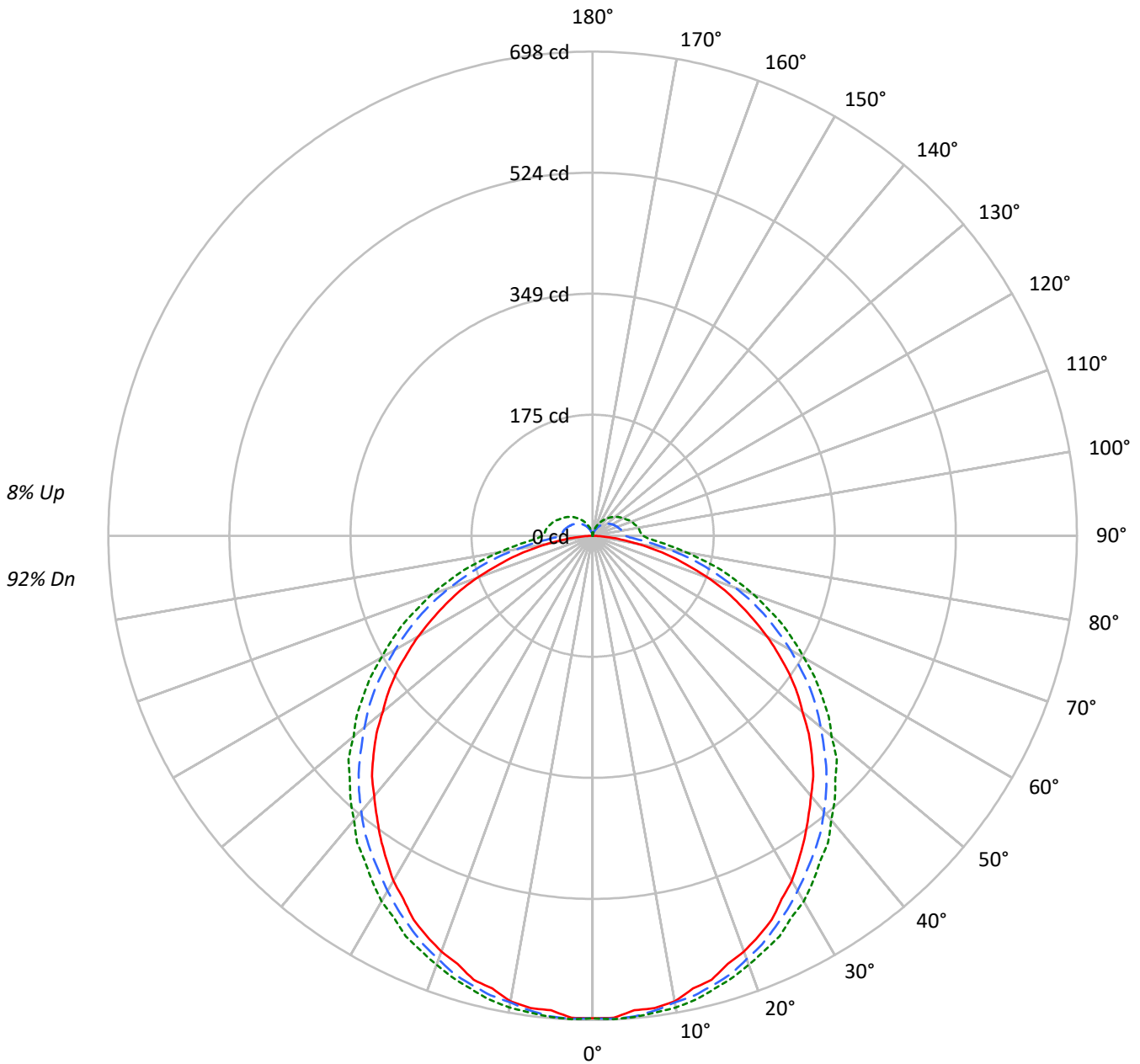
Lumens per Lamp: N/A
Luminaire Lumens: 2279.0 lumens
Efficiency: N/A
Efficacy: 126.6 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.39
Luminous Opening: Rectangular w/ Sides (W: 0.83' x L: 1.71' x H: 0.17')
CIE Type: Direct

Input Watts (W): 18
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: P709823

CATALOG NUMBER: 2AWWS-L3C3-SQR-UNV-3500K-LOW

Luminous Intensity Polar Plot





TEST NUMBER: P709823

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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	95	95	95	92																			
1	106	101	97	92	103	98	94	90	92	89	86	87	85	82	82	80	78	76																			
2	96	88	81	75	93	85	79	73	80	75	70	76	71	68	72	68	65	62																			
3	88	77	68	62	84	75	67	61	70	64	59	67	61	57	63	59	55	52																			
4	80	68	59	52	77	66	58	51	62	55	50	59	53	48	56	51	47	44																			
5	73	60	51	44	71	59	50	44	56	48	43	53	47	42	50	45	40	38																			
6	68	54	45	39	65	53	44	38	50	43	37	48	41	36	46	40	35	33																			
7	63	49	40	34	61	48	40	34	46	38	33	44	37	32	42	36	31	29																			
8	58	45	36	30	56	44	36	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	30	25	23																			
10	51	38	30	25	49	37	29	24	35	29	24	34	28	23	33	27	23	21																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5275	5275	5275
5°	5183	5197	5207
10°	5159	5068	5131
15°	5067	4978	5035
20°	4968	4861	4944
25°	4885	4734	4866
30°	4756	4604	4766
35°	4611	4480	4632
40°	4475	4352	4519
45°	4357	4206	4405
50°	4165	4030	4263
55°	4005	3868	4129
60°	3758	3637	3938
65°	3454	3387	3758
70°	3076	3051	3500
75°	2543	2669	3200
80°	1773	2168	2758
85°	892	1688	2433



TEST NUMBER: P709823

CATALOG NUMBER: 2AWWS-L3C3-SQR-UNV-3500K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.9	2.9
10°-20°	189.2	8.3
20°-30°	287.5	12.6
30°-40°	348.3	15.3
40°-50°	366.2	16.1
50°-60°	338.5	14.9
60°-70°	269.4	11.8
70°-80°	169.6	7.4
80°-90°	73.5	3.2
90°-100°	43.6	1.9
100°-110°	38.3	1.7
110°-120°	31.7	1.4
120°-130°	24.3	1.1
130°-140°	16.9	0.7
140°-150°	10.0	0.4
150°-160°	4.7	0.2
160°-170°	1.4	0.1
170°-180°	0.1	0.0
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0°-30°	542.6	23.8
0°-40°	890.9	39.1
0°-60°	1595.5	70.0
0°-90°	2107.9	92.5
90°-120°	113.6	5.0
90°-150°	164.8	7.2
90°-180°	171.0	7.5
0°-180°	2279.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	696	696	696	696	696	
5°	687	692	696	695	696	66
15°	663	662	671	675	676	186
25°	611	614	622	634	637	281
35°	533	544	557	571	572	333
45°	447	460	476	490	495	344
55°	346	363	382	399	404	308
65°	234	253	276	294	301	231
75°	119	141	164	183	193	126
85°	22	42	67	86	93	27
90°	1	21	47	65	72	1
95°	0	19	44	62	69	0
105°	0	18	40	56	63	0
115°	0	15	35	50	55	0
125°	1	12	30	42	47	0
135°	1	10	24	34	38	0
145°	0	7	18	25	28	0
155°	1	4	11	16	18	0
165°	1	2	4	7	9	0
175°	1	1	1	2	2	0
180°	0	0	0	0	0	



TEST NUMBER: P709823

CATALOG NUMBER: 2AWWS-L3C3-SQR-UNV-3500K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	695.5	695.5	695.5	695.5	695.5
2.5°	695.5	690.4	696.9	696.2	697.6
5°	686.7	692.5	695.5	694.7	696.2
7.5°	686.7	686.7	690.4	692.5	693.3
10°	681.6	684.5	683.1	686.7	690.4
12.5°	668.5	676.5	678.7	686.7	685.2
15°	662.6	661.9	670.6	675.0	676.5
17.5°	647.3	653.1	662.6	667.0	668.5
20°	637.8	643.6	649.5	659.0	658.2
22.5°	624.7	629.8	637.8	646.6	647.3
25°	610.8	613.7	622.5	634.2	637.1
27.5°	590.4	599.9	607.9	623.2	620.3
30°	574.3	580.9	591.1	605.7	608.6
32.5°	553.2	566.3	573.6	586.7	591.1
35°	532.7	543.7	556.8	570.7	572.1
37.5°	510.8	526.2	539.3	553.9	557.5
40°	489.7	502.8	518.9	532.0	534.9
42.5°	470.7	483.1	498.4	515.2	516.7
45°	446.6	459.7	476.5	490.4	494.8
47.5°	422.5	437.9	452.4	469.2	477.3
50°	394.8	412.3	429.1	445.9	449.5
52.5°	371.4	386.0	406.5	423.3	429.1
55°	345.9	362.7	382.4	399.2	403.6
57.5°	317.4	333.5	354.7	372.9	379.5
60°	290.4	308.0	329.1	347.4	351.7
62.5°	261.3	281.0	302.1	321.1	326.2
65°	233.5	253.2	275.8	294.1	301.4
67.5°	206.5	225.5	248.1	266.4	272.2
70°	176.6	195.6	218.9	239.4	246.7
72.5°	146.0	166.4	190.5	212.4	218.2
75°	119.0	140.8	164.2	183.2	192.7
77.5°	91.2	110.2	137.2	155.4	162.7
80°	63.5	85.4	110.2	130.6	136.5
82.5°	40.9	62.0	87.6	105.8	113.1
85°	21.9	41.6	67.1	86.1	93.4
87.5°	7.3	27.7	53.3	71.5	79.5
90°	0.7	21.2	46.7	64.9	72.2
92.5°	0.0	19.7	44.5	62.0	70.1
95°	0.0	19.0	43.8	62.0	68.6
97.5°	0.0	19.0	43.1	61.3	67.9
100°	0.0	18.2	42.3	59.1	66.4
102.5°	0.0	17.5	41.6	58.4	64.9
105°	0.0	17.5	40.1	56.2	62.8



TEST NUMBER: P709823

CATALOG NUMBER: 2AWWS-L3C3-SQR-UNV-3500K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	15.3	36.5	51.8	57.7
115°	0.0	15.3	35.0	49.6	54.7
117.5°	0.0	14.6	34.3	48.2	52.5
120°	0.0	13.9	32.8	46.0	51.1
122.5°	0.0	13.1	31.4	43.8	48.9
125°	0.7	12.4	29.9	42.3	46.7
127.5°	0.7	11.7	28.5	40.1	44.5
130°	0.7	11.7	27.0	37.9	42.3
132.5°	0.7	10.9	25.5	35.8	40.1
135°	0.7	10.2	24.1	33.6	37.9
137.5°	0.7	9.5	22.6	32.1	35.0
140°	0.0	8.8	21.2	29.2	32.8
142.5°	0.7	7.3	19.0	27.7	29.9
145°	0.0	6.6	17.5	24.8	27.7
147.5°	0.7	5.8	16.1	22.6	25.5
150°	0.7	5.1	14.6	20.4	23.4
152.5°	0.7	4.4	12.4	18.2	20.4
155°	0.7	3.6	10.9	16.1	18.2
157.5°	0.7	2.9	8.8	13.9	15.3
160°	0.7	2.9	7.3	11.7	13.1
162.5°	0.7	2.2	5.8	9.5	10.9
165°	0.7	1.5	4.4	7.3	8.8
167.5°	0.7	1.5	2.9	5.8	6.6
170°	0.7	1.5	2.2	3.6	4.4
172.5°	0.7	0.7	1.5	2.2	2.9
175°	0.7	0.7	0.7	1.5	1.5
177.5°	0.7	0.7	0.7	0.7	0.7
180°	0.0	0.0	0.0	0.0	0.0



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	16.8	38.7	54.0	61.3
110°	0.0	16.1	37.9	52.5	59.1



(END OF REPORT)