

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: P709673

Luminaire Tested: **2AWS-L3C3-SQR-UNV-4000K-LOW**

Issue Date: 9/26/2023

Test Information

Test Method: LM-79-08
Report Number: P709673
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-090-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 9/26/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 2AWS-L3C3-SQR-UNV-4000K-LOW
Description: 2foot, Adapt Surface Wrap with, SQR lens and LOW lumen setting, 4000K, 80CRI

Light Source: -
Ballast/Driver: -

Summary

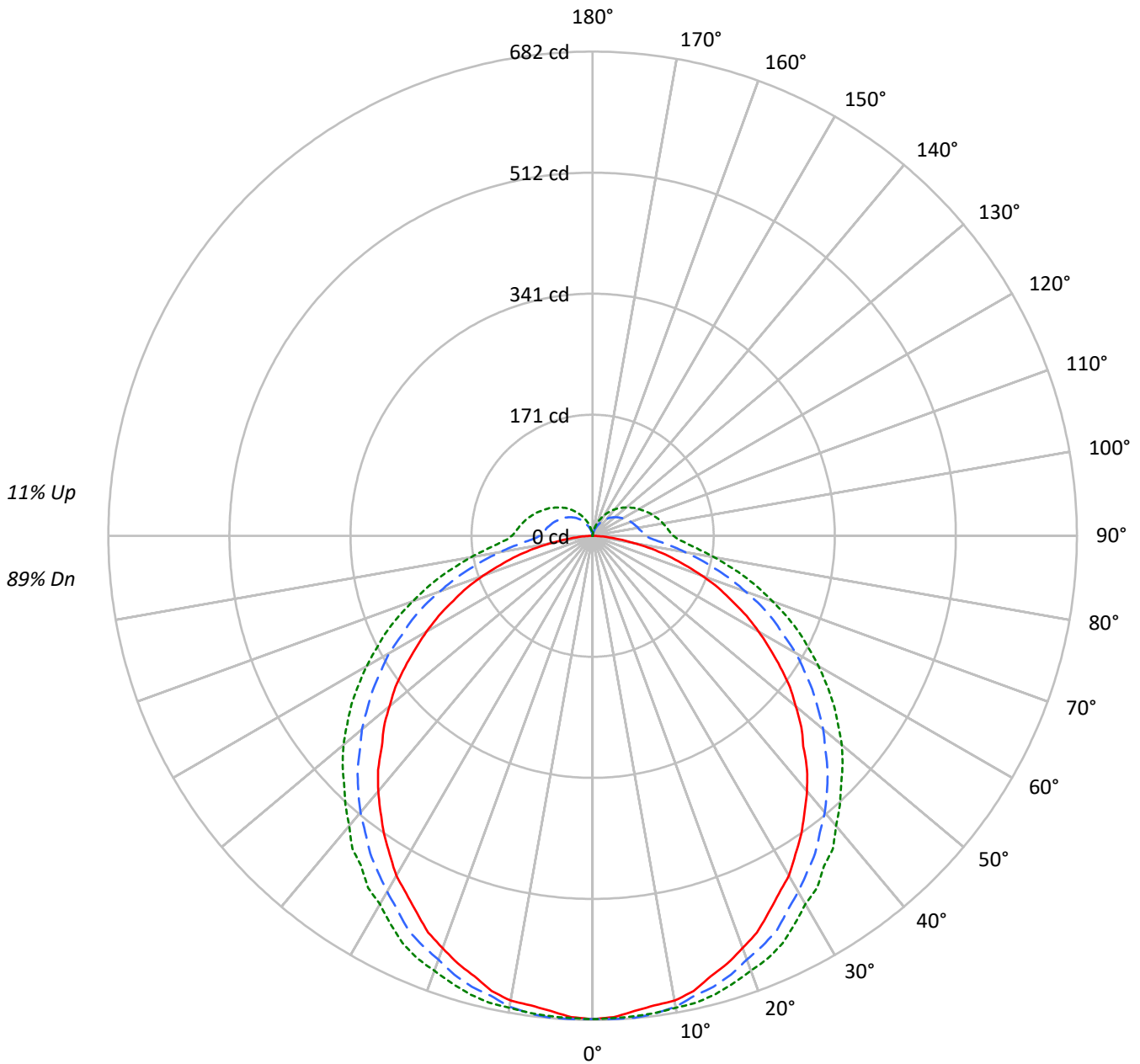
Lumens per Lamp: N/A
Luminaire Lumens: 2375.9 lumens
Efficiency: N/A
Efficacy: 139.8 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.31 / 1.4
Luminous Opening: Rectangular w/ Sides (W: 0.46' x L: 1.71' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 17
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: P709673

CATALOG NUMBER: 2AWS-L3C3-SQR-UNV-4000K-LOW

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	116	116	116	116	112	112	112	112	105	105	105	98	98	98	92	92	92	89																			
1	105	100	95	91	101	96	92	88	90	87	83	84	82	79	79	77	75	72																			
2	95	86	79	73	91	83	77	71	78	73	68	73	69	65	69	65	62	59																			
3	86	75	67	60	83	73	65	59	68	62	56	64	59	54	60	56	52	49																			
4	79	67	57	51	76	64	56	50	61	53	48	57	51	46	54	48	44	42																			
5	72	59	50	43	69	57	49	43	54	47	41	51	45	40	48	43	38	36																			
6	67	53	44	38	64	52	43	37	49	41	36	46	40	35	43	38	34	31																			
7	62	48	39	33	59	47	38	33	44	37	32	42	35	31	40	34	30	27																			
8	57	44	35	29	55	43	35	29	40	33	28	38	32	27	36	31	27	24																			
9	54	40	32	26	52	39	31	26	37	30	25	35	29	25	34	28	24	22																			
10	50	37	29	24	48	36	29	23	34	28	23	33	27	22	31	26	22	20																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9316	9316	9316
5°	9176	9173	9124
10°	9126	8989	8967
15°	8934	8768	8852
20°	8774	8524	8670
25°	8568	8351	8522
30°	8395	8057	8227
35°	8156	7841	8023
40°	7922	7594	7814
45°	7588	7340	7596
50°	7334	7058	7438
55°	6998	6753	7206
60°	6586	6438	6928
65°	6088	6051	6655
70°	5484	5566	6272
75°	4638	5043	5931
80°	3343	4459	5517
85°	1699	4020	5308



TEST NUMBER: P709673

CATALOG NUMBER: 2AWS-L3C3-SQR-UNV-4000K-LOW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.6	2.7
10°-20°	185.2	7.8
20°-30°	280.9	11.8
30°-40°	340.0	14.3
40°-50°	358.0	15.1
50°-60°	333.4	14.0
60°-70°	271.9	11.4
70°-80°	183.4	7.7
80°-90°	98.5	4.1
90°-100°	68.3	2.9
100°-110°	58.5	2.5
110°-120°	47.7	2.0
120°-130°	36.3	1.5
130°-140°	25.1	1.1
140°-150°	15.0	0.6
150°-160°	7.0	0.3
160°-170°	2.1	0.1
170°-180°	0.2	0.0
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0°-30°	530.7	22.3
0°-40°	870.7	36.6
0°-60°	1562.1	65.7
0°-90°	2115.9	89.1
90°-120°	174.5	7.3
90°-150°	250.8	10.6
90°-180°	260.0	10.9
0°-180°	2375.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	681	681	681	681	681	
5°	672	679	682	682	679	64
15°	642	650	658	664	668	182
25°	586	598	614	619	633	270
35°	512	524	546	562	568	320
45°	420	440	468	488	495	326
55°	323	346	378	402	415	289
65°	216	243	281	308	320	215
75°	111	140	179	208	221	117
85°	20	54	94	124	135	24
90°	1	34	74	103	114	1
95°	0	31	70	96	106	0
105°	0	28	61	85	95	0
115°	1	24	53	74	82	1
125°	1	20	45	62	69	1
135°	1	15	36	50	56	1
145°	1	10	26	37	41	1
155°	1	6	15	24	26	1
165°	1	3	6	10	12	0
175°	1	1	1	1	1	0
180°	1	1	1	1	1	



TEST NUMBER: P709673

CATALOG NUMBER: 2AWS-L3C3-SQR-UNV-4000K-LOW

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	680.8	680.8	680.8	680.8	680.8
2.5°	678.7	679.4	681.5	683.7	680.1
5°	672.1	679.4	681.5	681.5	679.4
7.5°	667.1	673.6	678.7	677.2	677.9
10°	664.9	668.5	673.6	677.2	675.0
12.5°	656.9	659.1	663.5	669.2	673.6
15°	642.5	649.7	657.7	663.5	668.5
17.5°	631.6	638.1	648.3	653.3	660.6
20°	617.9	625.1	635.2	646.1	651.9
22.5°	604.9	611.4	625.1	632.3	644.6
25°	586.0	597.6	613.5	619.3	633.1
27.5°	568.0	581.0	594.7	610.6	616.4
30°	552.8	562.2	578.8	592.6	599.1
32.5°	531.8	544.8	562.2	578.8	588.2
35°	512.2	524.5	546.3	562.2	568.0
37.5°	490.5	504.3	526.0	544.8	555.7
40°	469.6	484.8	508.6	526.7	533.2
42.5°	447.1	463.0	488.4	509.4	515.1
45°	419.6	439.9	468.1	488.4	494.9
47.5°	398.7	417.5	444.2	468.1	477.5
50°	373.3	394.3	424.0	445.7	458.0
52.5°	350.2	369.7	400.1	421.1	435.6
55°	322.7	345.8	377.7	401.5	414.6
57.5°	295.9	319.8	353.1	377.7	390.7
60°	269.9	294.5	330.6	355.2	367.5
62.5°	244.5	270.6	303.2	332.8	342.9
65°	216.3	243.1	280.7	308.2	320.5
67.5°	191.7	215.6	256.1	281.4	295.2
70°	163.5	191.7	228.6	257.6	269.1
72.5°	136.0	165.7	204.0	233.7	245.3
75°	110.7	139.6	178.7	207.6	221.4
77.5°	85.4	115.0	154.8	184.5	196.1
80°	59.3	91.9	131.7	161.3	173.6
82.5°	37.6	70.9	112.1	140.4	151.9
85°	19.5	53.5	94.1	123.7	134.6
87.5°	6.5	40.5	81.0	110.0	120.8
90°	0.7	34.0	73.8	102.7	113.6
92.5°	0.0	32.6	71.6	99.1	109.3
95°	0.0	31.1	69.5	96.2	106.4
97.5°	0.0	30.4	66.6	93.3	103.5
100°	0.0	28.9	65.1	91.2	100.6
102.5°	0.0	28.2	62.9	88.3	97.7
105°	0.0	27.5	60.8	85.4	94.8



TEST NUMBER: P709673

CATALOG NUMBER: 2AWS-L3C3-SQR-UNV-4000K-LOW

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.7	24.6	55.0	77.4	85.4
115°	0.7	23.9	52.8	73.8	81.8
117.5°	0.7	22.4	51.4	70.9	78.1
120°	0.7	21.7	49.2	68.7	75.2
122.5°	0.7	21.0	47.0	65.1	72.4
125°	0.7	19.5	44.9	62.2	68.7
127.5°	0.7	18.1	42.7	59.3	65.1
130°	0.7	17.4	40.5	55.7	62.2
132.5°	0.7	15.9	38.3	53.5	58.6
135°	0.7	15.2	36.2	49.9	55.7
137.5°	0.7	13.7	34.0	47.0	52.1
140°	0.7	12.3	31.1	44.1	48.5
142.5°	0.7	11.6	28.9	40.5	44.9
145°	1.4	10.1	26.0	36.9	41.2
147.5°	1.4	9.4	23.2	34.0	37.6
150°	1.4	8.0	20.3	30.4	34.0
152.5°	1.4	7.2	18.1	26.8	30.4
155°	1.4	5.8	15.2	23.9	26.0
157.5°	1.4	5.1	13.0	20.3	23.2
160°	1.4	4.3	10.9	17.4	19.5
162.5°	1.4	3.6	8.7	13.7	15.9
165°	1.4	2.9	6.5	10.1	12.3
167.5°	1.4	2.2	5.1	7.2	9.4
170°	1.4	2.2	3.6	5.1	7.2
172.5°	1.4	1.4	2.2	2.9	4.3
175°	1.4	1.4	1.4	1.4	1.4
177.5°	1.4	1.4	0.7	0.7	0.0
180°	0.7	0.7	0.7	0.7	0.7



Report Generated By 670246072 / DESKTOP-MV3F9LC





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







107.5°	0.0	26.0	59.3	82.5	91.2
110°	0.7	25.3	57.2	79.6	88.3



(END OF REPORT)