

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: RSA

Report Number: P22045

Luminaire Tested: **ARAC301511E1TW**

Issue Date: 3/3/2020

**Test Information**

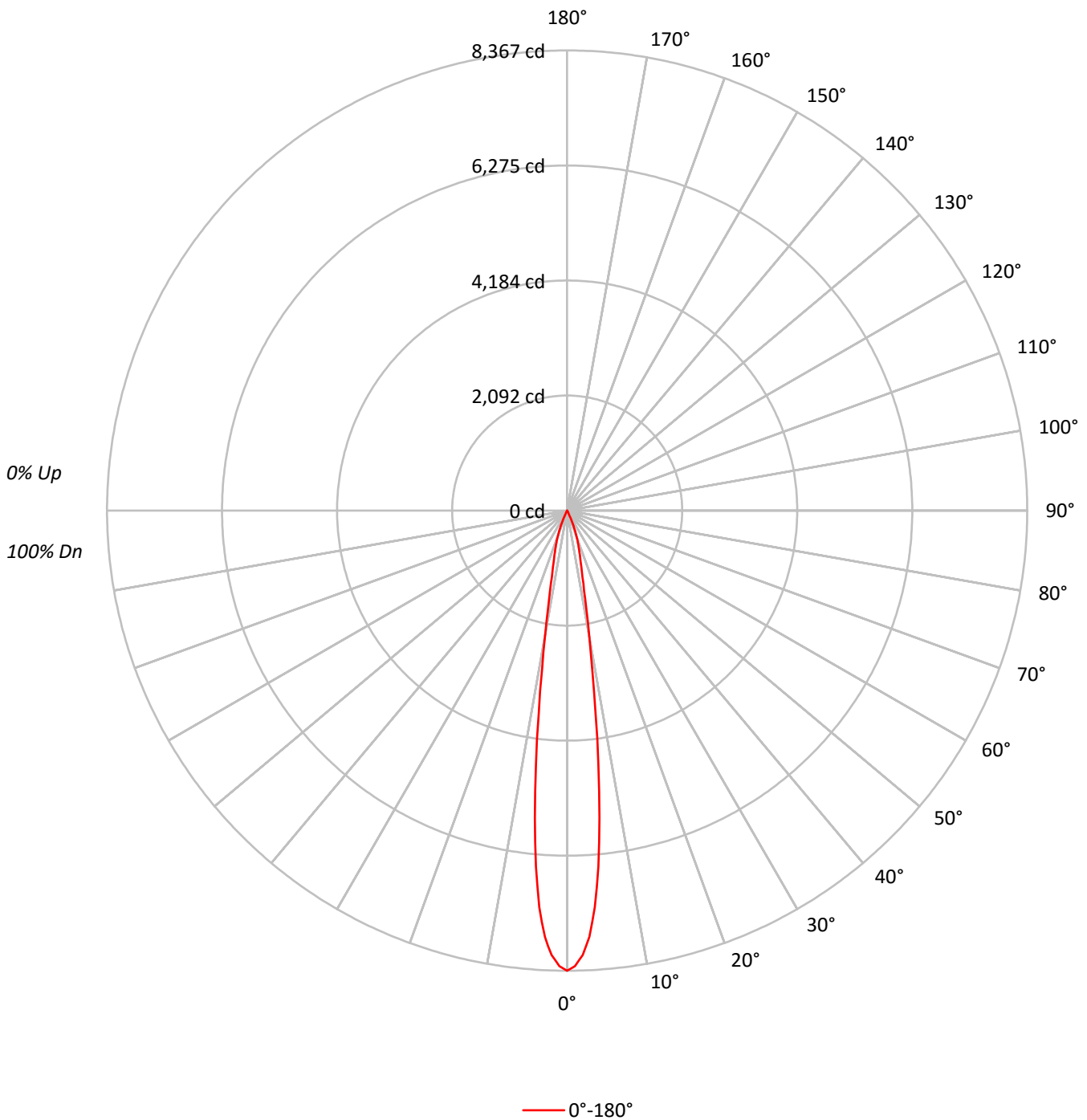
Test Method: LM-79-08  
Report Number: P22045  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: RSA  
Catalog Number: ARAC301511E1TW  
Description: RSA 130 MILLIMETER LED ADJUSTABLE ROUND ACCENT FIXTURE WITH  
SPECULAR CLEAR ANGLE CUT REFLECTOR, CLEAR GLASS LENS AND 15 DEGREE  
Light Source: (1) SMT 3000K LED  
SLM-1100  
Ballast/Driver: (1) PHILIPS ELECTRONIC DRIVER  
NV2I5AE40205

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 829.1 lumens  
Efficiency: N/A  
Efficacy: 43.0 lumens/watt  
Spacing Criteria (0/90/45): 0.26 / 0.26 / 0.25  
Luminous Opening: Vertical Cylinder (Dia: 0.29' x H: 0.1')  
CIE Type: Direct  
  
Input Watts (W): 19.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 0.1630  
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: P22045  
CATALOG NUMBER: ARAC301511E1TW

### Luminous Intensity Polar Plot





TEST NUMBER: P22045

CATALOG NUMBER: ARAC301511E1TW

**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	50	30	10	
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100	100	100
1	116	114	112	111	113	112	110	109	108	107	106	104	103	103	101	100	100	98	98	98	98
2	113	110	107	105	111	108	106	104	105	103	101	102	101	99	99	98	97	96	96	96	96
3	110	106	103	101	108	105	102	100	102	100	98	100	98	97	98	97	95	94	94	94	94
4	107	103	100	97	106	102	99	97	100	97	96	98	96	94	97	95	93	92	92	92	92
5	105	100	97	94	104	99	96	94	98	95	93	96	94	92	95	93	92	91	91	91	91
6	103	98	94	92	102	97	94	92	96	93	91	95	92	91	94	92	90	89	89	89	89
7	101	96	92	90	100	95	92	90	94	91	89	93	91	89	92	90	88	88	88	88	88
8	99	94	90	88	98	93	90	88	92	90	88	92	89	87	91	89	87	86	86	86	86
9	97	92	89	86	96	92	88	86	91	88	86	90	88	86	89	87	86	85	85	85	85
10	96	90	87	85	95	90	87	85	89	87	85	89	86	85	88	86	84	84	84	84	84

**AVERAGE LUMINANCE (cd/sqm):**

0°	
0°	1347956
5°	1012661
10°	347692
15°	138868
20°	73969
25°	16246
30°	1932
35°	452
40°	308
45°	159
50°	165
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P22045

CATALOG NUMBER: ARAC301511E1TW

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	467.0	56.3
10°-20°	281.3	33.9
20°-30°	76.9	9.3
30°-40°	2.6	0.3
40°-50°	0.9	0.1
50°-60°	0.3	0.0
60°-70°	0.0	0.0
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	825.3	99.5
0°-40°	827.9	99.9
0°-60°	829.1	100.0
0°-90°	829.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	829.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	8367	
5°	6501	467
15°	930	281
25°	110	77
35°	3	3
45°	1	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P22045

CATALOG NUMBER: ARAC301511E1TW

**CANDELA DISTRIBUTION (FULL):**

0°	
0°	8367
1°	8282
2°	8088
3°	7762
4°	7231
5°	6501
6°	5619
7°	4662
8°	3720
9°	2918
10°	2289
11°	1820
12°	1483
13°	1241
14°	1066
15°	930
17.5°	694
20°	500
22.5°	310
25°	110
27.5°	47
30°	13
32.5°	5
35°	3
37.5°	2
40°	2
42.5°	1
45°	1
47.5°	1
50°	1
52.5°	1
55°	0
57.5°	0
60°	0
62.5°	0
65°	0
67.5°	0
70°	0
72.5°	0
75°	0
77.5°	0
80°	0
82.5°	0
85°	0
87.5°	0



TEST NUMBER: P22045  
CATALOG NUMBER: ARAC301511E1TW

CANDELA DISTRIBUTION (continued):

90° |  $\frac{0^\circ}{0}$

(END OF REPORT)