

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: P22041

Luminaire Tested: **ARAC301011E1TW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P22041
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: RSA
Catalog Number: ARAC301011E1TW
Description: RSA 130 MILLIMETER LED ROUND ADJUSTABLE ACCENT FIXTURE WITH SPECULAR CLEAR ANGLE CUT REFLECTOR, CLEAR GLASS LENS AND 10 DEGREE LED
Light Source: (1) SMT 3000K LED
SLM-1100
Ballast/Driver: (1) PHILIPS ELECTRONIC DRIVER
NV2I5AE40205

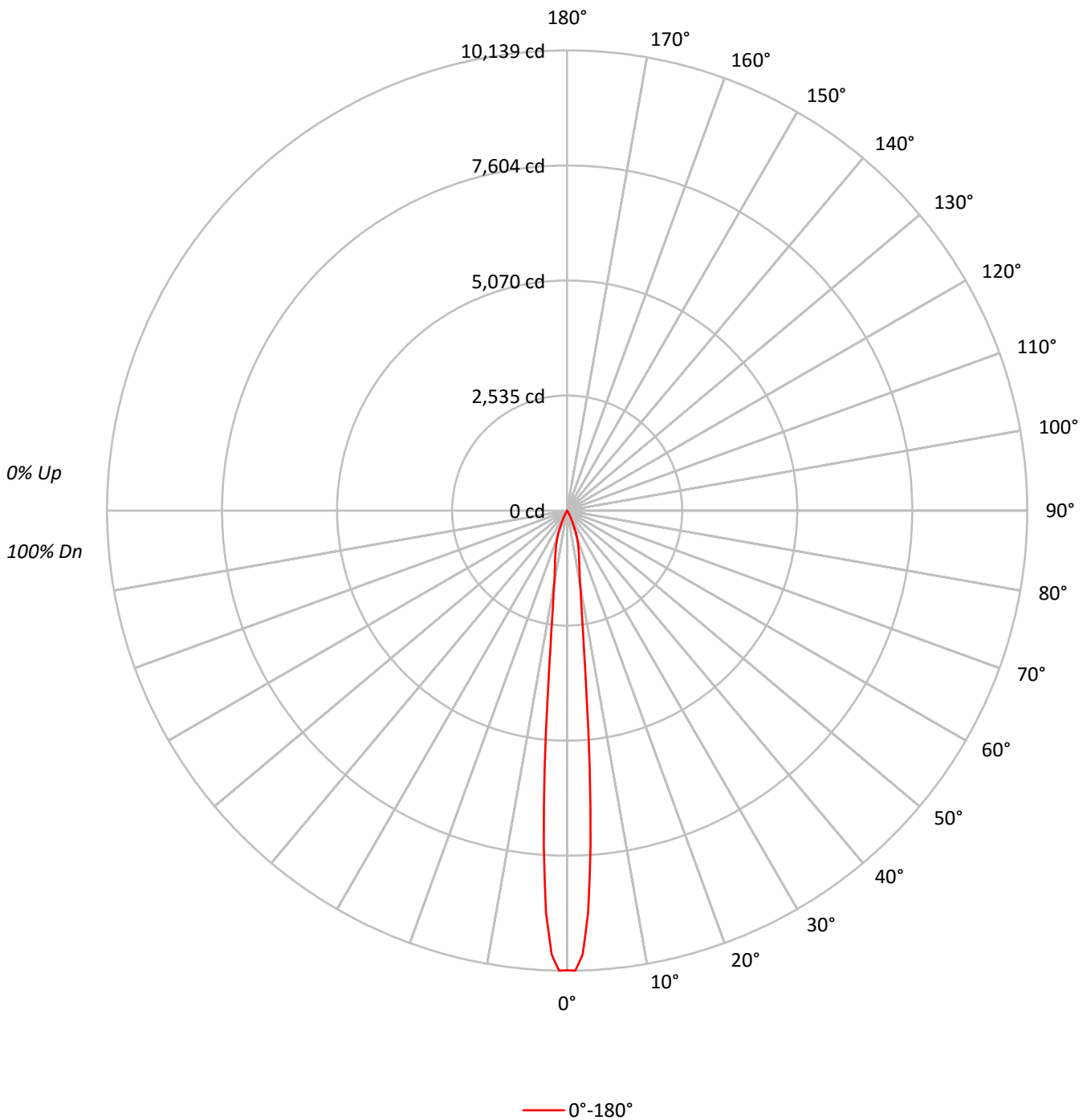
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 806.7 lumens
Efficiency: N/A
Efficacy: 41.8 lumens/watt
Spacing Criteria (0/90/45): 0.19 / 0.19 / 0.19
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_{in}): 0.1631
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: P22041
CATALOG NUMBER: ARAC301011E1TW

Luminous Intensity Polar Plot





TEST NUMBER: P22041

CATALOG NUMBER: ARAC301011E1TW

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	115	113	112	110	113	111	110	108	107	106	105	104	103	102	100	100	99	97
2	112	109	106	104	110	107	105	103	104	102	101	101	100	98	99	97	96	95
3	109	105	102	99	107	104	101	98	101	99	97	99	97	95	97	95	94	93
4	106	101	98	95	105	100	97	95	98	96	94	97	94	93	95	93	92	91
5	104	98	95	92	102	98	94	92	96	93	91	95	92	90	93	91	89	88
6	101	96	92	89	100	95	92	89	94	91	89	93	90	88	91	89	87	86
7	99	93	90	87	98	93	89	87	92	89	86	91	88	86	90	87	86	85
8	97	91	87	85	96	90	87	85	90	87	84	89	86	84	88	86	84	83
9	95	89	85	83	94	88	85	83	88	85	83	87	84	82	86	84	82	81
10	93	87	83	81	92	87	83	81	86	83	81	85	83	81	85	82	80	80

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1631498
5°	881035
10°	250478
15°	149172
20°	95272
25°	34265
30°	1189
35°	753
40°	462
45°	159
50°	165
55°	173
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



TEST NUMBER: P22041

CATALOG NUMBER: ARAC301011E1TW

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	393.6	48.8
10°-20°	281.9	35.0
20°-30°	126.0	15.6
30°-40°	3.2	0.4
40°-50°	1.1	0.1
50°-60°	0.8	0.1
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°	801.6	99.4
0°-40°	804.7	99.8
0°-60°	806.7	100.0
0°-90°	806.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	806.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	10127	
5°	5656	394
15°	999	282
25°	232	126
35°	5	3
45°	1	1
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P22041

CATALOG NUMBER: ARAC301011E1TW

CANDELA DISTRIBUTION (FULL):

0°	
0°	10127
1°	10139
2°	9783
3°	8866
4°	7387
5°	5656
6°	4095
7°	2997
8°	2331
9°	1925
10°	1649
11°	1447
12°	1304
13°	1191
14°	1090
15°	999
17.5°	810
20°	644
22.5°	448
25°	232
27.5°	155
30°	8
32.5°	6
35°	5
37.5°	4
40°	3
42.5°	2
45°	1
47.5°	1
50°	1
52.5°	1
55°	1
57.5°	1
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: P22041

CATALOG NUMBER: ARAC301011E1TW

CANDELA DISTRIBUTION (continued):

90° | $\frac{0^\circ}{0}$

(END OF REPORT)