

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: P22048

Luminaire Tested: **ARAC302511E1TW**

Issue Date: 3/3/2020

**Test Information**

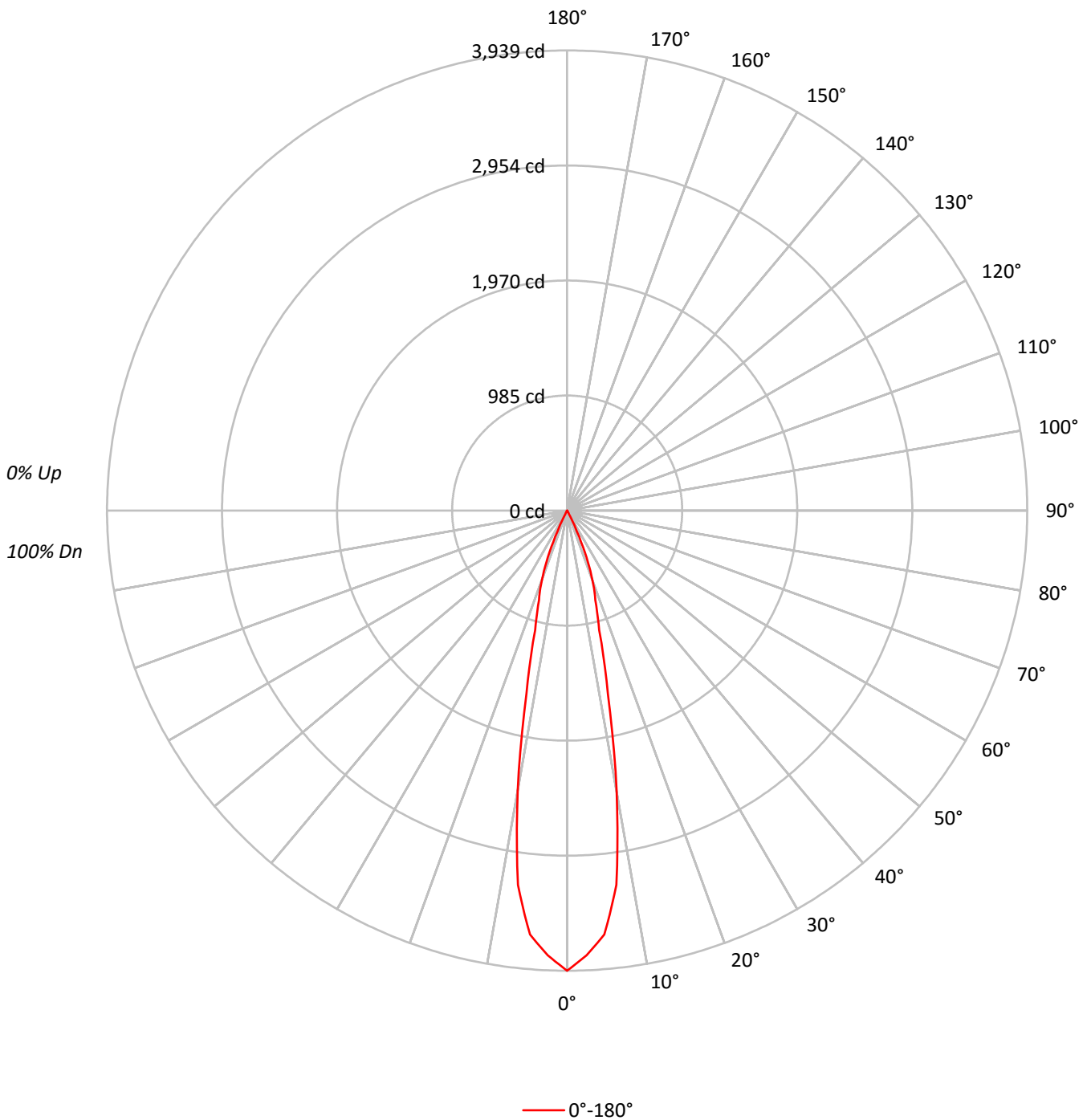
Test Method: LM-79-08  
Report Number: P22048  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: RSA  
Catalog Number: ARAC302511E1TW  
Description: RSA 130 MILLIMETER LED RoUND ADJUSTABLE ACCENT FIXTURE WITH SPECULAR CLEAR ANGLE CUT REFLECTOR, CLEAR GLASS LENS AND 25 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: 752.6 lumens  
Efficiency: N/A  
Efficacy: 39.0 lumens/watt  
Spacing Criteria (0/90/45): 0.39 / 0.39 / 0.38  
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 (Ain): 0.1629  
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	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	108	106	103	110	107	104	102	104	102	100	101	99	98	98	97	96	95
3	109	104	101	98	107	103	100	98	101	98	96	98	96	95	96	95	93	92
4	106	101	97	94	104	100	96	94	98	95	93	96	94	92	94	92	91	90
5	103	97	94	91	102	97	93	90	95	92	90	94	91	89	92	90	88	87
6	100	95	91	88	99	94	90	88	93	89	87	91	89	87	90	88	86	85
7	98	92	88	85	97	91	88	85	90	87	85	89	86	84	88	86	84	83
8	95	89	86	83	95	89	85	83	88	85	83	87	84	82	86	84	82	81
9	93	87	83	81	92	87	83	81	86	83	81	85	82	80	85	82	80	79
10	91	85	81	79	90	85	81	79	84	81	79	83	81	79	83	80	78	78

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

	0°
0°	634588
5°	567470
10°	369869
15°	158131
20°	94088
25°	29096
30°	1486
35°	1054
40°	616
45°	159
50°	165
55°	0
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	310.7	41.3
10°-20°	329.8	43.8
20°-30°	106.1	14.1
30°-40°	4.3	0.6
40°-50°	1.4	0.2
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°	746.5	99.2
0°-40°	750.8	99.8
0°-60°	752.6	100.0
0°-90°	752.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	752.6	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	3939	
5°	3643	311
15°	1059	330
25°	197	106
35°	7	4
45°	1	1
55°	0	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	3939
2.5°	3810
5°	3643
7.5°	3231
10°	2435
12.5°	1607
15°	1059
17.5°	803
20°	636
22.5°	433
25°	197
27.5°	44
30°	10
32.5°	9
35°	7
37.5°	5
40°	4
42.5°	3
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
90°	0

(END OF REPORT)