

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: P21181

Luminaire Tested: **C1NN30LRG**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P21181  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: RSA  
Catalog Number: C1NN30LRG  
Description: RSA STASIS LED RECESSED FIXTURE WITH SPECULAR SPOT REFLECTORS AND 16 LEDS. TESTED WITH DRIVER HOUSING AT 270 DEGREE LATERAL PLANE AREA. ---ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING A 500 WATT, NIST TRACEABLE, OMNI-DIRECTIONAL LAB LUMEN STANDARD IN THE GONIOPHOTOMETER WITH TEST DISTANCE OF 28.75 FEET----  
Light Source: (16) SMT WHITE LEDS 3000K  
XPGWHT-LI-000-00DE7  
Ballast/Driver: ROAL ELECTRONIC DRIVER  
RSDL035-16

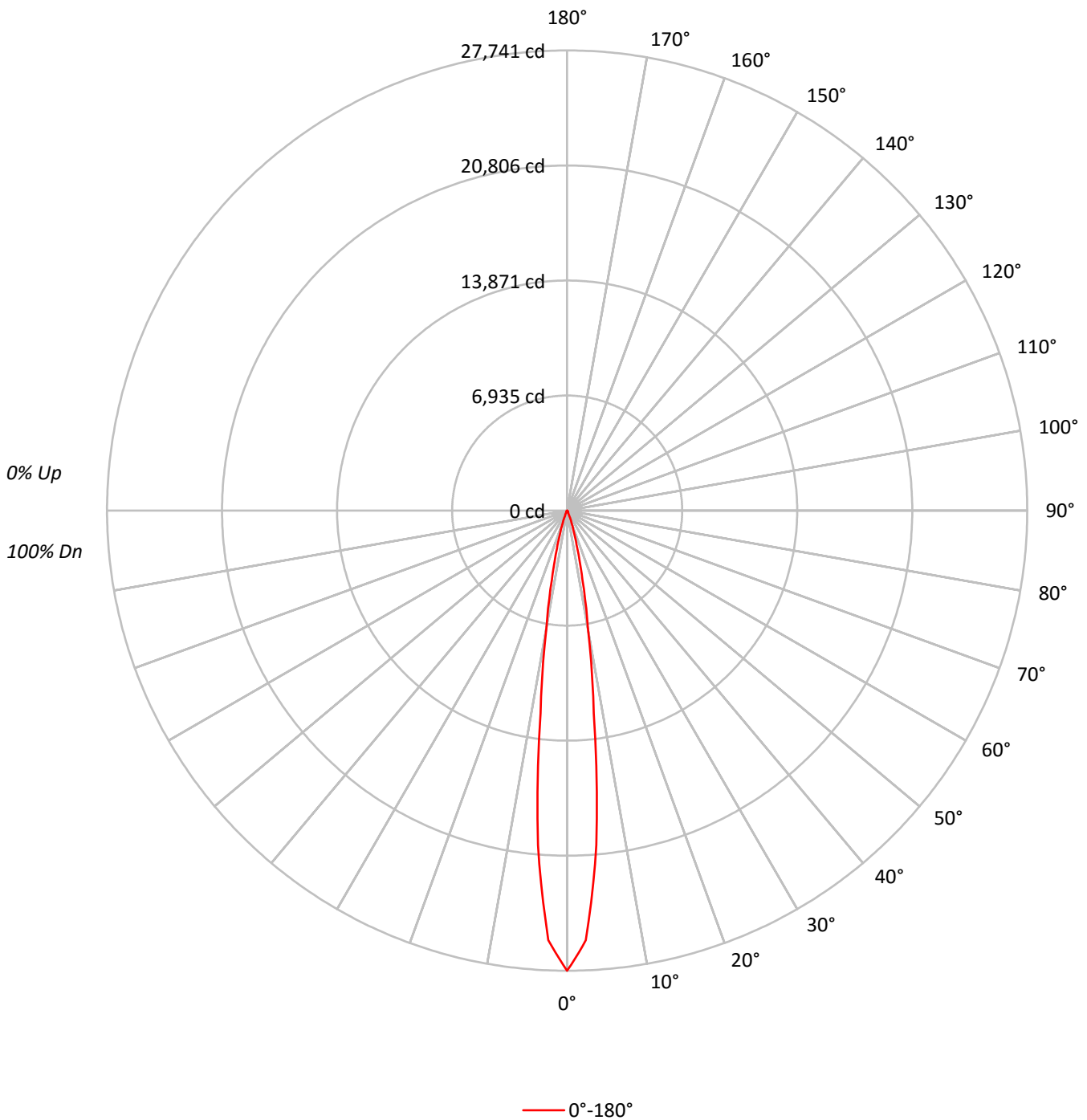
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2439.5 lumens  
Efficiency: N/A  
Efficacy: 65.1 lumens/watt  
Spacing Criteria (0/90/45): 0.24 / 0.24 / 0.25  
Luminous Opening: Rectangular (W 0.33' x L: 0.5' x H: 0')  
CIE Type: Direct

Input Watts (W): 37.5  
Input Voltage (V): NR  
Input Current (Ain): 0.3144  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: HR  
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			
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	116	114	112	110	113	111	110	109	108	106	105	104	103	102	101	100	99	98		
2	112	109	107	104	110	108	105	103	105	103	101	102	100	99	99	98	97	96		
3	110	106	103	100	108	104	102	99	102	100	98	100	98	96	98	96	95	94		
4	107	103	99	97	106	102	98	96	100	97	95	98	96	94	96	94	93	92		
5	105	100	96	94	104	99	96	94	98	95	93	96	94	92	95	93	91	90		
6	103	98	94	92	102	97	94	91	96	93	91	95	92	90	93	91	90	89		
7	101	96	92	90	100	95	92	90	94	91	89	93	91	89	92	90	88	87		
8	99	94	90	88	98	93	90	88	92	90	88	92	89	87	91	89	87	86		
9	97	92	89	87	97	92	89	86	91	88	86	90	88	86	90	87	86	85		
10	96	90	87	85	95	90	87	85	90	87	85	89	87	85	88	86	85	84		

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

	0°
0°	1791612
5°	1312229
10°	469749
15°	157259
20°	51615
25°	12827
30°	4997
35°	5913
40°	6070
45°	4019
50°	1407
55°	788
60°	1292
65°	306
70°	944
75°	1996
80°	3347
85°	5187



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1466.6	60.1
10°-20°	754.0	30.9
20°-30°	115.1	4.7
30°-40°	46.9	1.9
40°-50°	30.2	1.2
50°-60°	8.5	0.3
60°-70°	4.8	0.2
70°-80°	6.9	0.3
80°-90°	6.4	0.3
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°	2335.7	95.7
0°-40°	2382.7	97.7
0°-60°	2421.4	99.3
0°-90°	2439.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2439.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	27741	
5°	20241	###
15°	2352	754
25°	180	115
35°	75	47
45°	44	30
55°	7	9
65°	2	5
75°	8	7
85°	7	6
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	27741
2.5°	25927
5°	20241
7.5°	12324
10°	7163
12.5°	4283
15°	2352
17.5°	1316
20°	751
22.5°	395
25°	180
27.5°	88
30°	67
32.5°	67
35°	75
37.5°	86
40°	72
42.5°	47
45°	44
47.5°	25
50°	14
52.5°	9
55°	7
57.5°	10
60°	10
62.5°	4
65°	2
67.5°	6
70°	5
72.5°	6
75°	8
77.5°	5
80°	9
82.5°	6
85°	7
87.5°	6
90°	0

(END OF REPORT)