

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: P21182

Luminaire Tested: **C1NM30LRG**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P21182
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: RSA
Catalog Number: C1NM30LRG
Description: RSA STASIS LED RECESSED FIXTURE WITH SPECULAR NARROW FLOOD 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

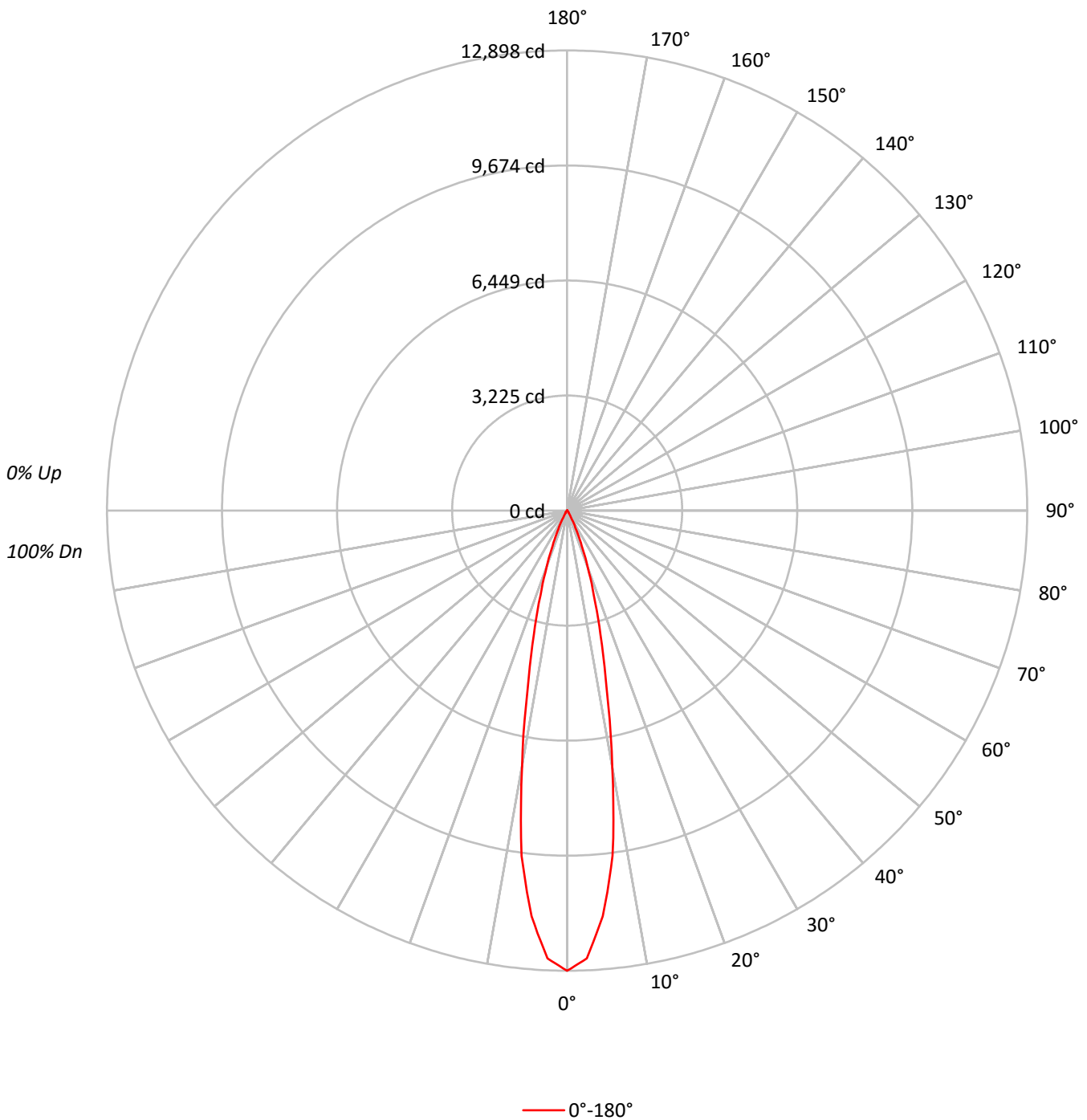
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2401.0 lumens
Efficiency: N/A
Efficacy: 2.4 lumens/watt
Spacing Criteria (0/90/45): 0.37 / 0.37 / 0.38
Luminous Opening: Rectangular (W 0.33' x L: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 999
Input Voltage (V): NR
Input Current (Ain): 0.3199
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	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	111	110	113	111	109	108	107	106	105	103	102	102	100	99	99	97
2	112	108	105	103	110	107	104	102	103	101	100	101	99	97	98	97	95	94
3	108	104	100	98	107	103	99	97	100	98	95	98	96	94	96	94	93	91
4	105	100	96	93	104	99	96	93	97	94	92	95	93	91	94	92	90	89
5	102	97	93	90	101	96	92	90	94	91	89	93	90	88	91	89	87	86
6	100	94	90	87	98	93	89	87	92	88	86	90	88	85	89	87	85	84
7	97	91	87	84	96	90	87	84	89	86	84	88	85	83	87	85	83	82
8	95	88	84	82	94	88	84	82	87	84	81	86	83	81	85	83	81	80
9	92	86	82	80	91	86	82	79	85	82	79	84	81	79	83	81	79	78
10	90	84	80	78	89	83	80	77	83	80	77	82	79	77	82	79	77	76

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	832999
5°	739908
10°	478471
15°	240168
20°	114708
25°	45321
30°	13200
35°	5913
40°	5311
45°	2101
50°	804
55°	338
60°	129
65°	153
70°	0
75°	250
80°	372
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	962.8	40.1
10°-20°	1030.6	42.9
20°-30°	325.6	13.6
30°-40°	56.0	2.3
40°-50°	21.8	0.9
50°-60°	3.2	0.1
60°-70°	0.4	0.0
70°-80°	0.4	0.0
80°-90°	0.1	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°	2319.0	96.6
0°-40°	2375.1	98.9
0°-60°	2400.1	100.0
0°-90°	2401.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2401.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	12898	
5°	11413	963
15°	3592	1031
25°	636	326
35°	75	56
45°	23	22
55°	3	3
65°	1	0
75°	1	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	12898
2.5°	12562
5°	11413
7.5°	9764
10°	7296
12.5°	5094
15°	3592
17.5°	2488
20°	1669
22.5°	1066
25°	636
27.5°	360
30°	177
32.5°	99
35°	75
37.5°	70
40°	63
42.5°	41
45°	23
47.5°	16
50°	8
52.5°	4
55°	3
57.5°	3
60°	1
62.5°	0
65°	1
67.5°	0
70°	0
72.5°	0
75°	1
77.5°	0
80°	1
82.5°	0
85°	0
87.5°	0
90°	0

(END OF REPORT)