

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: P21148

Luminaire Tested: **C1NA30LRG**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P21148  
Test Lab: INNOVATION CENTER P2  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: RSA  
Catalog Number: C1NA30LRG  
Description: RSA STASIS LED RECESSED FIXTURE WITH ASYMMETRIC WALL WASH, SOLITE LENS AND 16 LEDS. TESTED WITH DRIVER IN THE 270 DEGREE PLANE AREA. ---ABSOLUTE PHOTOMETRY IS BASED ON CALIBRATION FACTORS CREATED USING A 500 WATT, NIST TRACEABLE, OMNIDIRECTIONAL 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

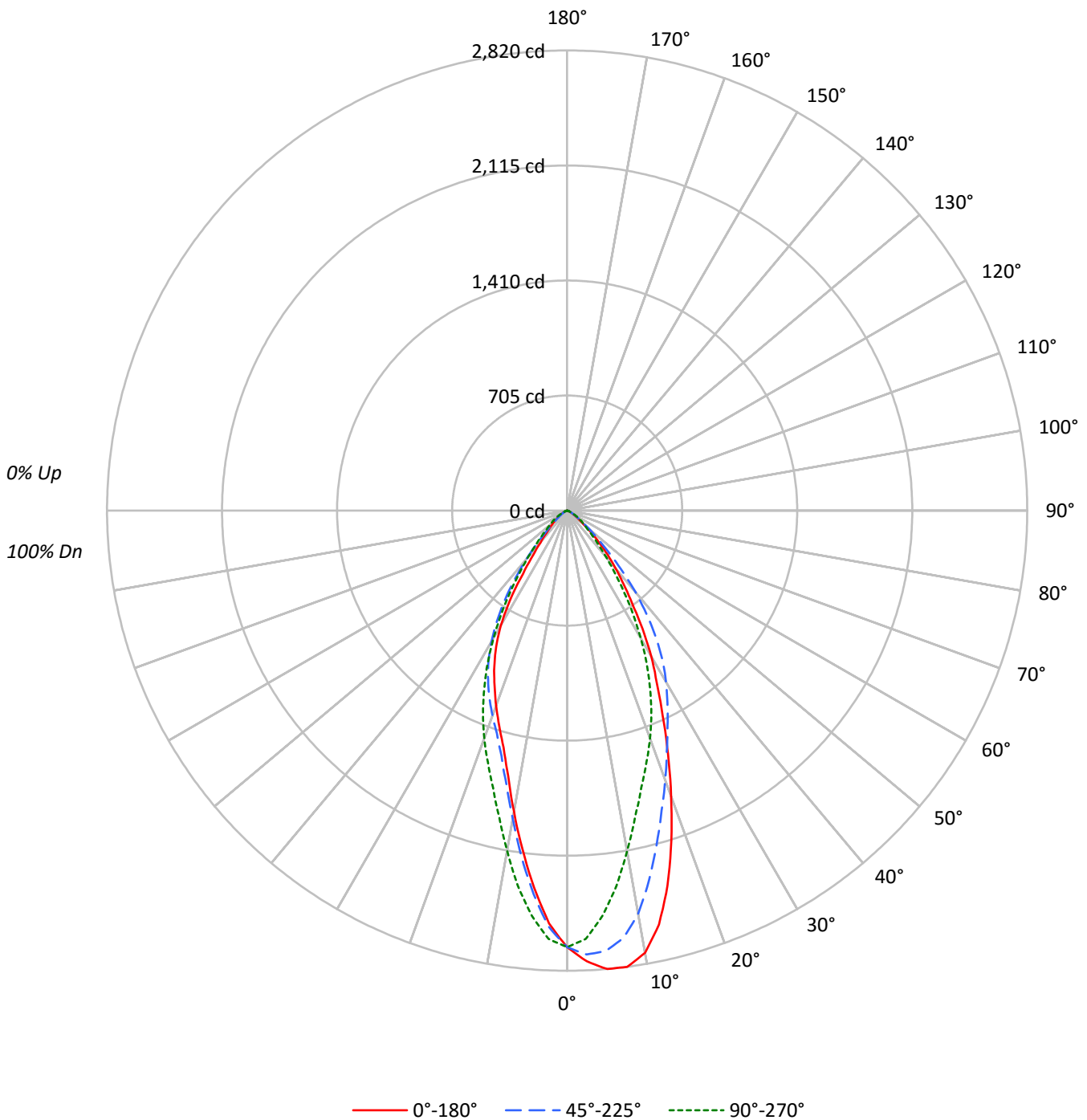
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2055.9 lumens  
Efficiency: N/A  
Efficacy: 55.4 lumens/watt  
Spacing Criteria (0/90/45): 0.71 / 0.67 / 0.83  
Luminous Opening: Rectangular (W 0.5' x L: 0.33' x H: 0')  
CIE Type: Direct

Input Watts (W): 37.1  
Input Voltage (V): NR  
Input Current (Ain): 0.31080  
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	113	110	108	105	111	108	106	104	104	102	100	100	99	97	97	96	95	93
2	107	102	98	94	105	100	96	93	97	94	91	94	91	89	91	89	87	85
3	101	95	89	85	99	93	88	84	90	86	83	88	85	82	86	83	80	79
4	96	88	82	78	94	87	81	77	84	80	76	82	78	75	81	77	74	73
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67
6	86	77	70	66	84	76	70	65	74	69	65	73	68	65	71	67	64	63
7	81	72	65	61	80	71	65	61	70	64	60	69	64	60	67	63	60	58
8	77	67	61	57	76	67	61	57	66	60	56	65	60	56	64	59	56	55
9	74	63	57	53	72	63	57	53	62	57	53	61	56	53	60	56	53	51
10	70	60	54	50	69	60	54	50	59	53	50	58	53	50	57	53	49	48

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

	0°	90°	180°
0°	172761	172761	172761
5°	182821	161557	150406
10°	180410	138833	122962
15°	158997	117476	100493
20°	127972	102062	87423
25°	98624	85726	75322
30°	76961	67266	60704
35°	54559	47621	37213
40°	39035	31278	21246
45°	25208	19820	13700
50°	13966	13966	9947
55°	7769	11035	6756
60°	4521	7104	4650
65°	2904	4279	3209
70°	2077	2832	2266
75°	1497	1747	1248
80°	744	744	744
85°	0	0	0



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	231.6	11.3
10°-20°	516.0	25.1
20°-30°	575.2	28.0
30°-40°	433.9	21.1
40°-50°	197.0	9.6
50°-60°	70.3	3.4
60°-70°	24.5	1.2
70°-80°	7.0	0.3
80°-90°	0.4	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°	1322.8	64.3
0°-40°	1756.7	85.4
0°-60°	2024.1	98.5
0°-90°	2055.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2055.9	100.0

**CANDELA DISTRIBUTION:**

	0°	45°	90°	135°	180°	Flux
0°	2675	2675	2675	2675	2675	
5°	2820	2710	2492	2359	2320	267
15°	2378	2118	1757	1556	1503	653
25°	1384	1455	1203	1147	1057	640
35°	692	949	604	661	472	443
45°	276	350	217	179	150	218
55°	69	86	98	48	60	67
65°	19	25	28	18	21	20
75°	6	7	7	6	5	6
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°	112.5°	135°	157.5°	180°
0°	2675	2675	2675	2675	2675	2675	2675	2675	2675
2.5°	2765	2753	2723	2678	2627	2586	2555	2541	2533
5°	2820	2784	2710	2604	2492	2411	2359	2330	2320
7.5°	2820	2766	2641	2475	2317	2204	2140	2107	2094
10°	2751	2680	2509	2297	2117	1993	1918	1885	1875
12.5°	2598	2507	2320	2099	1923	1793	1717	1682	1666
15°	2378	2291	2118	1920	1757	1638	1556	1520	1503
17.5°	2121	2056	1927	1764	1617	1507	1432	1398	1383
20°	1862	1822	1756	1628	1485	1390	1337	1292	1272
22.5°	1613	1598	1596	1501	1347	1274	1244	1188	1163
25°	1384	1403	1455	1370	1203	1158	1147	1088	1057
27.5°	1188	1238	1331	1237	1056	1036	1046	979	943
30°	1032	1098	1211	1099	902	906	927	860	814
32.5°	859	961	1088	954	749	768	799	720	652
35°	692	791	949	802	604	628	661	544	472
37.5°	568	635	797	662	475	493	519	375	338
40°	463	511	650	539	371	379	389	267	252
42.5°	366	398	488	428	283	283	271	196	193
45°	276	298	350	329	217	206	179	153	150
47.5°	201	217	250	244	170	151	123	122	121
50°	139	153	177	179	139	110	87	98	99
52.5°	97	106	123	134	117	82	63	78	78
55°	69	74	86	101	98	63	48	62	60
57.5°	49	54	62	77	76	48	38	48	47
60°	35	39	45	57	55	37	29	37	36
62.5°	26	30	34	41	40	28	24	29	28
65°	19	22	25	29	28	20	18	22	21
67.5°	14	17	19	20	21	15	15	17	16
70°	11	13	14	14	15	11	11	13	12
72.5°	7	9	9	10	10	7	8	9	8
75°	6	7	7	7	7	6	6	6	5
77.5°	4	4	4	5	4	4	4	4	3
80°	2	2	2	3	2	2	2	2	2
82.5°	0	0	0	1	0	0	0	1	0
85°	0	0	0	0	0	0	0	0	0
87.5°	0	0	0	0	0	0	0	0	0
90°	0	0	0	0	0	0	0	0	0

(END OF REPORT)