

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: P13463

Luminaire Tested: **AXSD34011E4W54**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P13463
Test Lab: PEACHTREE CITY
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: RSA
Catalog Number: AXSD34011E4W54
Description: RSA RECESSED LED SQUARE FIXTURE WITH DOWNLIGHT FIXED BRACKET,
3000K LED LIGHT ENGINE, 40 DEGREE REFLECTOR, WHITE REGRESSED
TRIM WITH CLEAR LENS.
Light Source: (1) PHILIPS FORTIMO SLM 3000K LED
87182911 8708000
Ballast/Driver: (1) PHILIPS ADVANCE ELECTRONIC DRIVER
XR025C100V036XPM1

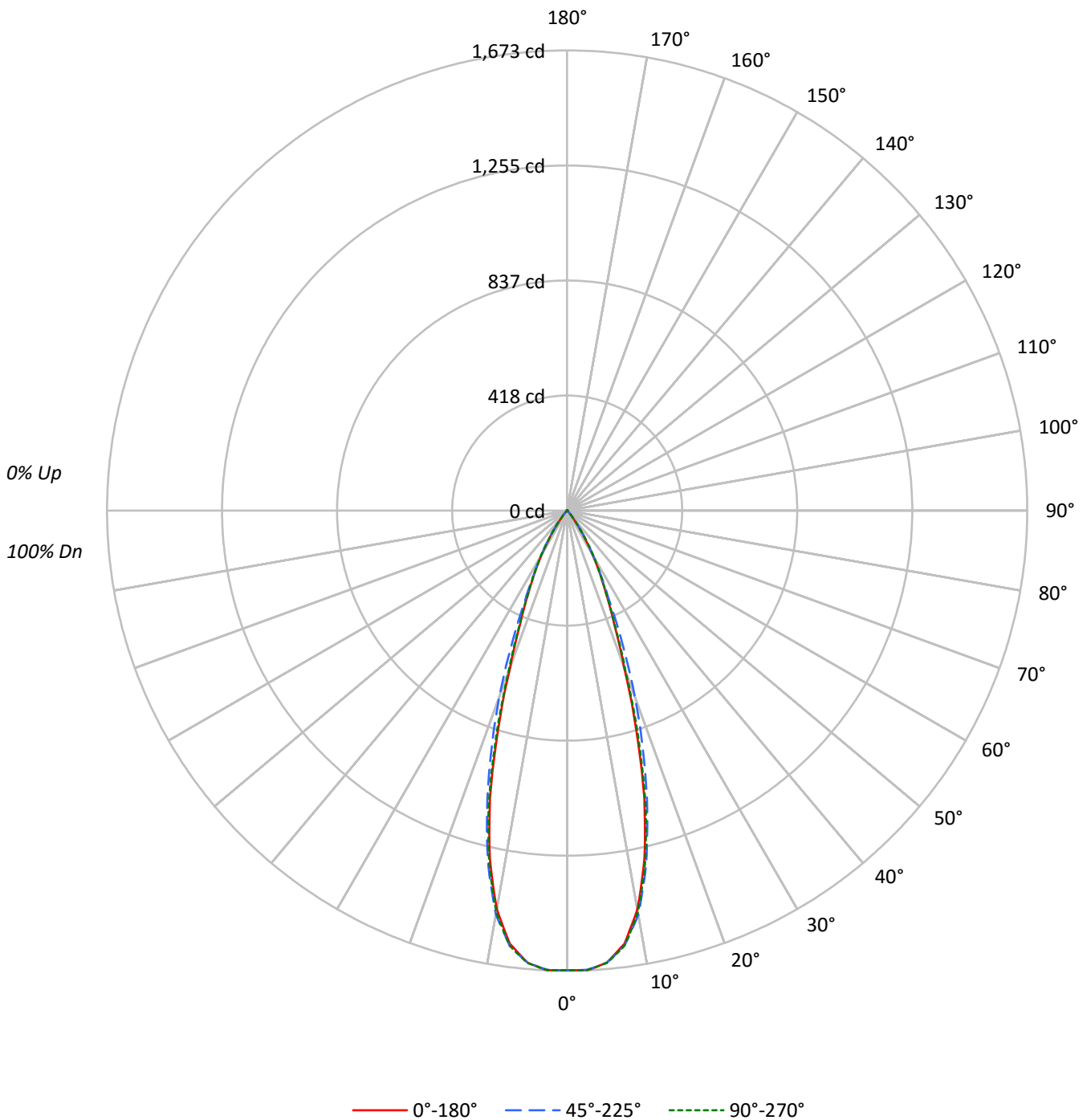
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 681.5 lumens
Efficiency: N/A
Efficacy: 32.3 lumens/watt
Spacing Criteria (0/90/45): 0.59 / 0.59 / 0.58
Luminous Opening: Rectangular (W 0.31' x L: 0.31' x H: 0')
CIE Type: Direct

Input Watts (W): 21.1
Input Voltage (V): NR
Input Current (A_{in}): NR
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	112	110	108	112	110	108	107	106	105	103		102	101	100		99	98	97	96
2	110	106	103	100	108	105	102	99	101	99	97		98	97	95		96	94	93	91
3	106	101	97	94	104	100	96	93	97	94	91		95	92	90		93	90	89	87
4	102	96	92	88	100	95	91	88	93	89	87		91	88	86		89	87	85	83
5	98	92	87	84	97	91	87	83	89	85	83		88	84	82		86	83	81	80
6	95	88	83	80	94	87	83	79	86	82	79		84	81	78		83	80	78	77
7	92	84	79	76	90	84	79	76	82	78	75		81	78	75		80	77	75	74
8	88	81	76	73	87	80	76	73	79	75	72		78	75	72		78	74	72	71
9	85	78	73	70	84	77	73	70	76	72	70		76	72	69		75	72	69	68
10	83	75	70	67	82	74	70	67	74	70	67		73	69	67		72	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	184182	184182	184182
5°	182562	182562	182672
10°	164639	166877	165982
15°	123582	128375	125522
20°	71082	84571	72724
25°	40985	44147	41593
30°	23546	24182	24309
35°	9957	11034	10495
40°	2878	4173	2590
45°	156	1403	312
50°	0	171	171
55°	0	0	0
60°	0	220	0
65°	261	0	0
70°	0	0	0
75°	0	0	0
80°	1269	635	0
85°	0	1265	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.4	22.4
10°-20°	298.4	43.8
20°-30°	168.4	24.7
30°-40°	55.3	8.1
40°-50°	5.6	0.8
50°-60°	0.3	0.0
60°-70°	0.5	0.1
70°-80°	0.3	0.0
80°-90°	0.3	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°	619.2	90.9
0°-40°	674.4	99.0
0°-60°	680.4	99.8
0°-90°	681.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	681.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1671	1671	1671	1671	1671	
5°	1650	1648	1650	1652	1651	152
15°	1083	1108	1125	1119	1100	289
25°	337	343	363	348	342	160
35°	74	83	82	87	78	51
45°	1	4	9	5	2	4
55°	0	0	0	1	0	0
65°	1	1	0	0	0	1
75°	0	0	0	0	0	1
85°	0	2	1	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1671	1671	1671	1671	1671
2.5°	1673	1673	1671	1671	1672
5°	1650	1648	1650	1652	1651
7.5°	1589	1592	1596	1597	1596
10°	1471	1478	1491	1487	1483
12.5°	1298	1312	1324	1323	1309
15°	1083	1108	1125	1119	1100
17.5°	834	880	919	892	855
20°	606	649	721	655	620
22.5°	445	463	526	471	455
25°	337	343	363	348	342
27.5°	253	256	262	260	257
30°	185	189	190	192	191
32.5°	123	131	131	133	130
35°	74	83	82	87	78
37.5°	39	46	49	48	40
40°	20	25	29	24	18
42.5°	10	13	17	13	9
45°	1	4	9	5	2
47.5°	0	0	0	0	0
50°	0	0	1	1	1
52.5°	0	0	0	0	0
55°	0	0	0	1	0
57.5°	1	0	0	2	0
60°	0	0	1	0	0
62.5°	2	1	1	0	1
65°	1	1	0	0	0
67.5°	1	0	1	1	0
70°	0	0	0	0	0
72.5°	3	0	1	1	1
75°	0	0	0	0	0
77.5°	0	0	0	0	0
80°	2	0	1	0	0
82.5°	0	0	0	0	1
85°	0	2	1	0	0
87.5°	0	0	0	0	0
90°	0	0	0	0	0

(END OF REPORT)