

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: P13464

Luminaire Tested: **AXSD34011D4W20**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P13464
Test Lab: PEACHTREE CITY
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: RSA
Catalog Number: AXSD34011D4W20
Description: RSA RECESSED LED SQUARE FIXTURE WITH DOWNLIGHT FIXED BRACKET,
3000K LED LIGHT ENGINE, 40 DEGREE REFLECTOR, WHITE REGRESSED
TRIM WITHOUT LENS.
Light Source: (1) PHILIPS FORTIMO SLM 3000K LED
87182911 8708000
Ballast/Driver: (1) PHILIPS ADVANCE ELECTRONIC DRIVER
XR025C100V036XPM1

Summary

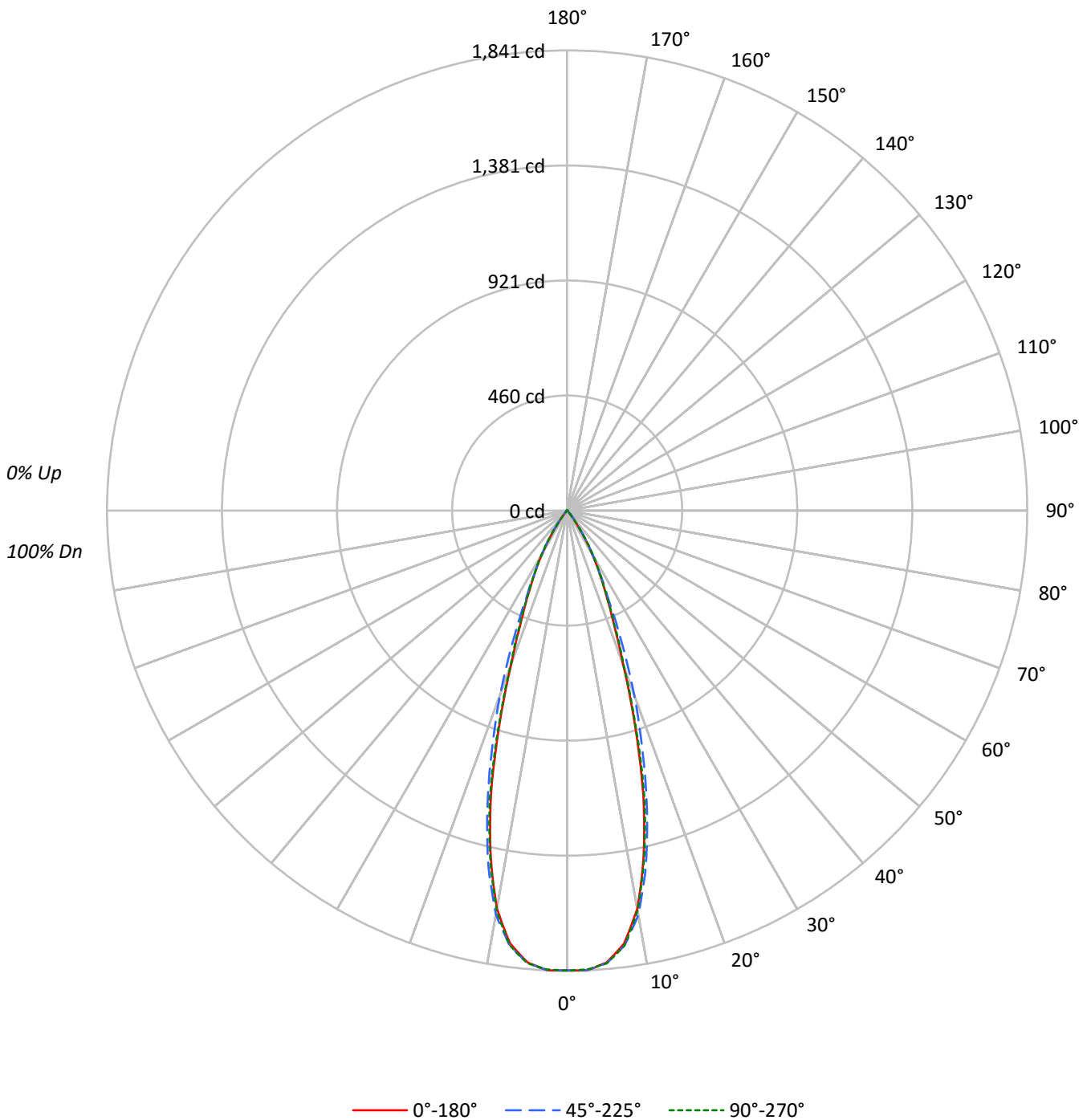
Lumens per Lamp: N/A
Luminaire Lumens: 739.4 lumens
Efficiency: N/A
Efficacy: 35.0 lumens/watt
Spacing Criteria (0/90/45): 0.58 / 0.59 / 0.58
Luminous Opening: Rectangular (W 0.31' x L: 0.31' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P13464

CATALOG NUMBER: AXSD34011D4W20

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	92	95	92	90	93	91	89	87
4	102	96	92	88	101	95	91	88	93	90	87	91	88	86	89	87	85	84
5	98	92	87	84	97	91	87	83	89	86	83	88	85	82	86	84	81	80
6	95	88	83	80	94	87	83	80	86	82	79	85	81	79	83	80	78	77
7	92	84	80	76	90	84	79	76	83	79	76	81	78	75	80	77	75	74
8	89	81	76	73	87	80	76	73	79	75	73	79	75	72	78	74	72	71
9	86	78	73	70	85	77	73	70	77	73	70	76	72	70	75	72	69	68
10	83	75	70	67	82	75	70	67	74	70	67	73	70	67	73	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	202809	202809	202809
5°	200818	201039	201150
10°	180979	183665	181763
15°	134422	140584	136705
20°	76594	91726	77650
25°	44147	47187	44755
30°	25328	25709	26346
35°	10092	11034	10495
40°	2590	4029	2590
45°	312	1403	312
50°	0	171	0
55°	384	192	192
60°	0	0	0
65°	261	261	261
70°	0	322	0
75°	0	426	0
80°	0	0	0
85°	1265	1265	2529



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	167.6	22.7
10°-20°	325.2	44.0
20°-30°	181.7	24.6
30°-40°	57.7	7.8
40°-50°	5.3	0.7
50°-60°	0.3	0.0
60°-70°	0.6	0.1
70°-80°	0.3	0.0
80°-90°	0.6	0.1
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°	674.5	91.2
0°-40°	732.2	99.0
0°-60°	737.8	99.8
0°-90°	739.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	739.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1840	1840	1840	1840	1840	
5°	1815	1816	1817	1817	1818	167
15°	1178	1211	1232	1218	1198	314
25°	363	370	388	375	368	173
35°	75	85	82	86	78	53
45°	2	4	9	4	2	3
55°	2	1	1	1	1	1
65°	1	0	1	0	1	1
75°	0	0	1	0	0	1
85°	1	0	1	0	2	1
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1840	1840	1840	1840	1840
2.5°	1841	1842	1840	1839	1838
5°	1815	1816	1817	1817	1818
7.5°	1747	1752	1756	1757	1755
10°	1617	1626	1641	1632	1624
12.5°	1415	1437	1457	1437	1424
15°	1178	1211	1232	1218	1198
17.5°	903	958	1001	970	918
20°	653	696	782	702	662
22.5°	481	505	567	510	494
25°	363	370	388	375	368
27.5°	274	277	280	282	279
30°	199	205	202	210	207
32.5°	131	140	135	144	138
35°	75	85	82	86	78
37.5°	39	48	49	49	40
40°	18	25	28	25	18
42.5°	6	10	13	10	5
45°	2	4	9	4	2
47.5°	1	1	4	1	1
50°	0	0	1	0	0
52.5°	1	0	0	0	0
55°	2	1	1	1	1
57.5°	0	0	0	0	1
60°	0	0	0	0	0
62.5°	2	0	1	1	1
65°	1	0	1	0	1
67.5°	0	1	1	1	2
70°	0	0	1	0	0
72.5°	0	0	0	0	0
75°	0	0	1	0	0
77.5°	1	0	1	1	2
80°	0	0	0	0	0
82.5°	1	1	1	1	1
85°	1	0	1	0	2
87.5°	0	1	0	1	1
90°	0	0	0	0	0

(END OF REPORT)