

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: P13485

Luminaire Tested: **AXS32511-D4194**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P13485
Test Lab: PEACHTREE CITY
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: RSA
Catalog Number: AXS32511-D4194
Description: RSA RECESSED LED SQUARE FIXTURE WITH FIXED BRACKET AT 30 DEGREE AND A 45 DEGREE ROTATION, 3000K LED LIGHT ENGINE, 25 DEGREE REFLECTOR, WHITE TRIM WITH CLEAR GLASS LENS.
Light Source: (1) PHILIPS FORTIMO SLM 3000K LED
87182911 8708000
Ballast/Driver: (1) PHILIPS ADVANCE ELECTRONIC DRIVER
XR025C100V036XPM1

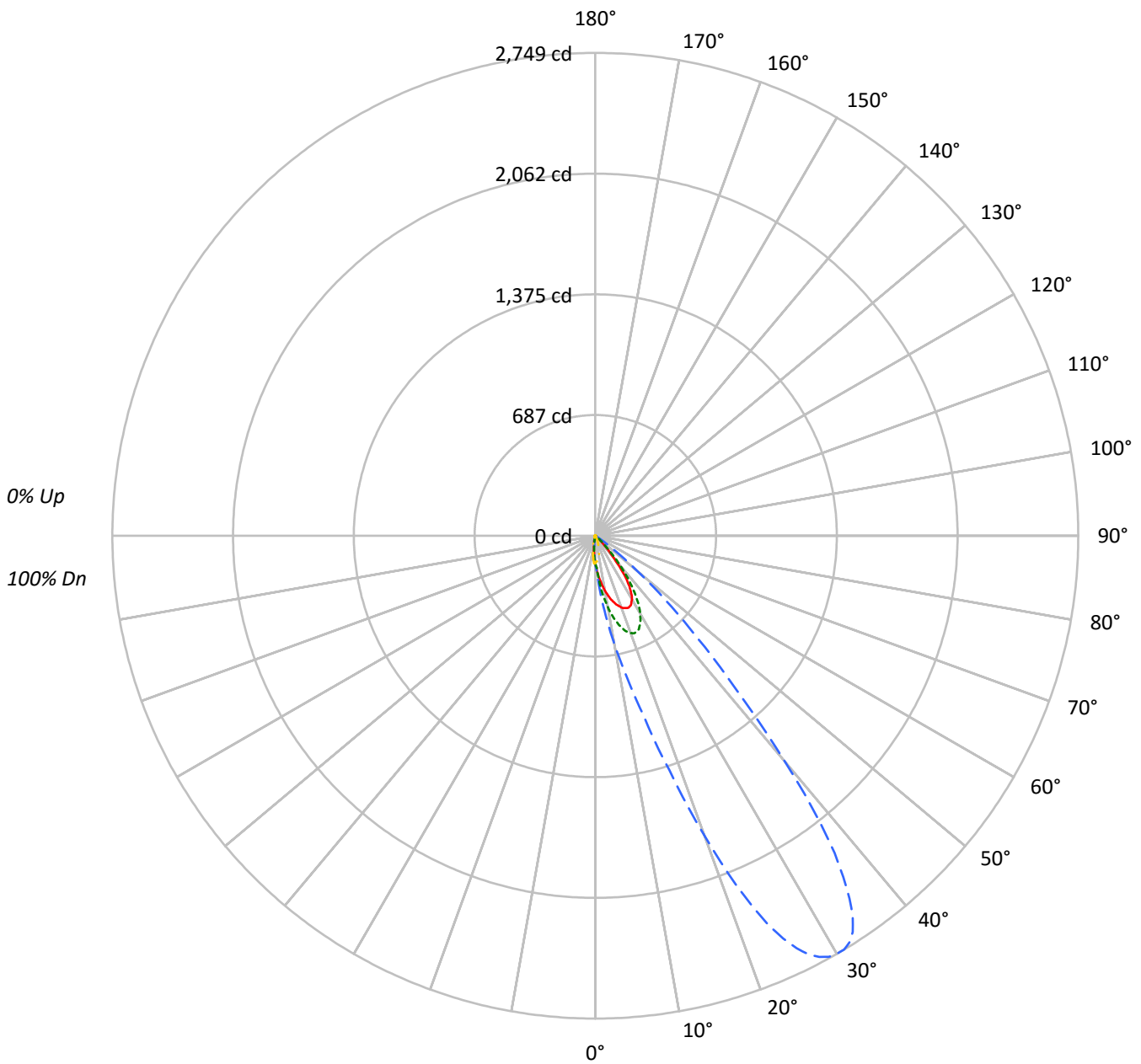
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 609.7 lumens
Efficiency: N/A
Efficacy: 29.0 lumens/watt
Spacing Criteria (0/90/45): 1.45 / 1.52 / 1.56
Luminous Opening: Rectangular (W 0.29' x L: 0.29' x H: 0')
CIE Type: Direct

Input Watts (W): 21
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



— 0°-180° - - 45°-225° - - - 90°-270° - . - 135°-315°



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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	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					100			
1	113	109	107	104	110	107	105	102	103	101	99	99	98	96	96	95	94	92					92			
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	89	87	85	83					83			
3	99	92	86	81	97	90	85	81	88	83	79	85	81	78	83	80	77	75					75			
4	93	84	78	73	91	83	77	72	81	76	71	79	74	71	77	73	70	68					68			
5	87	77	70	65	85	76	70	65	74	69	64	73	68	64	71	67	63	62					62			
6	81	71	64	59	80	70	63	59	68	63	58	67	62	58	66	61	57	56					56			
7	76	65	58	53	75	65	58	53	63	57	53	62	56	52	61	56	52	50					50			
8	71	60	53	48	70	60	53	48	58	52	48	57	52	48	56	51	47	46					46			
9	67	56	49	44	66	55	48	44	54	48	44	53	47	43	52	47	43	42					42			
10	63	51	45	40	62	51	44	40	50	44	40	49	44	40	48	43	40	38					38			

AVERAGE LUMINANCE (cd/sqm):

	0°	90°	180°	270°
0°	19865	19865	19865	19865
5°	30356	33659	11304	10161
10°	40986	53449	5653	3469
15°	50695	69165	2620	1441
20°	58439	79309	1077	673
25°	62965	81952	838	140
30°	60926	74660	146	292
35°	49429	59006	0	463
40°	25602	35678	165	0
45°	9663	14315	179	179
50°	2165	3543	197	197
55°	662	882	0	0
60°	0	253	0	253
65°	599	299	299	299
70°	0	0	0	0
75°	489	0	0	0
80°	0	0	0	729
85°	0	1452	0	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.1	2.8
10°-20°	78.9	12.9
20°-30°	198.3	32.5
30°-40°	222.5	36.5
40°-50°	82.2	13.5
50°-60°	8.0	1.3
60°-70°	1.2	0.2
70°-80°	0.8	0.1
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°	294.3	48.3
0°-40°	516.9	84.8
0°-60°	607.1	99.6
0°-90°	609.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	609.7	100.0

CANDELA DISTRIBUTION:

	0°	90°	180°	270°	360°	Flux
0°	157	157	157	157	157	
5°	239	265	89	80	239	25
15°	387	528	20	11	387	110
25°	451	587	6	1	451	204
35°	320	382	0	3	320	189
45°	54	80	1	1	54	48
55°	3	4	0	0	3	3
65°	2	1	1	1	2	0
75°	1	0	0	0	1	1
85°	0	1	0	0	0	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	157	157	157	157	157	157	157	157	157	157	157
2.5°	195	200	199	202	204	209	207	208	208	207	206
5°	239	251	264	277	291	297	309	316	321	323	326
7.5°	277	303	332	359	384	406	425	438	455	458	464
10°	319	365	413	459	503	542	572	598	616	625	627
12.5°	355	424	491	563	631	690	735	776	803	819	820
15°	387	479	574	674	767	855	933	997	1039	1062	1063
17.5°	414	530	657	786	914	1044	1169	1278	1364	1399	1389
20°	434	574	730	891	1071	1265	1466	1631	1759	1817	1787
21°	440	587	755	936	1132	1360	1585	1781	1928	1986	1959
22°	443	602	784	978	1197	1450	1709	1931	2088	2151	2119
23°	447	615	806	1016	1260	1545	1827	2071	2234	2294	2270
24°	450	625	824	1051	1324	1632	1938	2191	2358	2429	2397
25°	451	632	841	1082	1377	1716	2042	2296	2464	2531	2499
26°	447	636	849	1108	1430	1795	2130	2389	2549	2613	2585
27°	444	637	857	1125	1465	1852	2208	2460	2615	2676	2645
28°	437	630	857	1133	1486	1892	2253	2511	2658	2716	2684
29°	425	618	842	1127	1498	1908	2272	2541	2687	2741	2709
30°	417	607	827	1115	1489	1905	2272	2546	2702	2749	2717
31°	403	588	797	1079	1452	1870	2245	2525	2695	2749	2708
32°	385	563	761	1028	1384	1794	2191	2485	2664	2729	2677
33°	366	535	721	968	1298	1693	2106	2421	2616	2690	2622
34°	346	506	679	903	1202	1570	1973	2322	2544	2621	2545
35°	320	471	636	834	1101	1434	1823	2194	2453	2523	2430
36°	294	432	582	768	1003	1301	1664	2031	2323	2402	2293
37°	260	383	523	698	910	1175	1486	1854	2169	2263	2130
38°	223	328	458	618	817	1048	1335	1663	1981	2088	1946
39°	185	274	389	532	718	938	1192	1478	1770	1891	1740
40°	155	230	327	457	622	829	1062	1304	1560	1678	1550
42.5°	94	144	208	298	408	564	756	961	1105	1177	1125
45°	54	79	117	170	254	365	491	642	774	818	759
47.5°	26	39	60	92	133	198	296	399	491	536	468
50°	11	16	25	40	65	100	148	219	286	304	267
52.5°	5	7	10	16	28	42	68	106	140	151	111
55°	3	4	4	7	11	16	28	44	63	57	41
57.5°	1	0	3	2	3	6	9	17	24	22	14
60°	0	0	0	2	2	3	5	7	9	8	6
62.5°	0	1	1	5	1	1	5	7	3	4	3
65°	2	0	0	1	0	1	1	1	2	2	1
67.5°	0	1	3	0	1	1	1	1	4	2	0
70°	0	0	0	0	0	0	0	0	0	0	1
72.5°	0	1	1	2	1	1	0	2	0	1	1
75°	1	0	0	0	0	0	0	0	0	0	0
77.5°	1	0	1	0	0	0	0	1	1	0	0
80°	0	0	0	0	0	0	1	0	0	0	0



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CATALOG NUMBER: AXS32511-D4194

CANDELA DISTRIBUTION (continued):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
82.5°	0	0	0	1	1	0	1	1	1	0	1
85°	0	0	0	0	0	0	1	0	0	0	1
87.5°	0	1	0	1	0	1	1	1	0	0	2
90°	0	0	0	0	0	0	0	0	0	0	0



TEST NUMBER: P13485

CATALOG NUMBER: AXS32511-D4194

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	157	157	157	157	157	157	157	157	157	157	157
2.5°	203	203	200	198	195	191	187	181	181	175	172
5°	322	323	322	309	300	295	278	265	253	238	227
7.5°	457	453	443	428	413	393	369	341	312	285	259
10°	620	606	589	563	536	500	461	416	370	327	284
12.5°	809	783	749	708	659	605	547	478	412	348	293
15°	1039	993	932	867	786	707	618	528	437	357	288
17.5°	1328	1241	1140	1024	912	808	685	568	454	357	277
20°	1682	1528	1358	1188	1027	886	737	589	454	346	258
21°	1837	1658	1454	1254	1071	906	750	595	452	337	246
22°	1991	1785	1546	1315	1109	931	762	598	447	328	234
23°	2137	1909	1636	1374	1143	950	770	596	439	319	220
24°	2264	2021	1720	1425	1174	965	772	589	429	306	207
25°	2371	2130	1794	1473	1193	978	778	587	417	293	192
26°	2455	2212	1864	1509	1213	984	771	573	406	279	179
27°	2516	2275	1914	1536	1222	981	764	563	393	265	166
28°	2551	2316	1945	1547	1217	967	751	547	382	248	153
29°	2572	2326	1959	1551	1203	949	734	528	356	228	143
30°	2579	2319	1953	1533	1180	929	716	511	341	213	133
31°	2563	2287	1918	1506	1148	902	692	490	320	197	120
32°	2517	2233	1857	1459	1109	865	667	464	299	182	107
33°	2450	2149	1770	1392	1061	832	637	439	279	165	99
34°	2342	2034	1661	1310	1010	789	604	411	258	150	89
35°	2202	1883	1539	1213	947	744	569	382	235	135	79
36°	2041	1728	1405	1119	881	697	534	351	215	122	71
37°	1860	1560	1278	1025	811	643	491	320	193	109	64
38°	1676	1399	1150	924	733	586	441	286	170	94	54
39°	1490	1250	1031	819	648	515	385	250	146	82	45
40°	1331	1107	904	720	562	441	328	216	128	73	41
42.5°	958	779	607	469	359	272	207	139	82	50	28
45°	630	494	374	281	209	155	115	80	52	32	18
47.5°	381	286	195	129	96	69	50	37	25	18	11
50°	182	116	76	50	38	28	21	18	12	10	7
52.5°	70	47	28	19	15	10	8	6	13	8	5
55°	25	16	10	7	6	6	4	4	2	3	1
57.5°	8	6	3	2	2	1	1	1	0	1	0
60°	4	5	3	2	2	2	1	1	0	2	1
62.5°	2	6	1	3	1	3	0	2	7	1	3
65°	1	1	1	1	0	2	1	1	1	1	2
67.5°	1	0	2	0	0	1	2	1	2	1	0
70°	0	0	0	0	1	0	0	0	0	1	0
72.5°	1	1	1	1	0	3	0	1	2	1	2
75°	0	0	0	0	1	2	0	0	0	1	0
77.5°	0	1	1	0	2	2	2	2	2	2	2
80°	0	0	0	0	0	0	0	0	0	0	2



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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
82.5°	1	0	1	1	1	2	0	2	3	1	2
85°	0	0	2	0	0	1	0	1	1	2	1
87.5°	1	1	1	0	1	2	1	1	1	1	0
90°	0	0	0	0	0	0	0	0	0	0	0



TEST NUMBER: P13485

CATALOG NUMBER: AXS32511-D4194

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	157	157	157	157	157	157	157	157	157	157	157
2.5°	166	162	157	152	149	145	142	139	136	133	131
5°	210	196	188	171	160	149	140	131	122	113	107
7.5°	231	208	187	169	150	136	122	110	99	90	82
10°	246	213	185	161	141	121	106	93	82	72	64
12.5°	247	205	171	144	119	98	84	72	61	57	46
15°	233	186	147	119	98	80	65	54	45	38	33
17.5°	212	161	122	95	76	59	48	38	31	25	20
20°	187	138	100	76	56	43	33	25	22	15	15
21°	175	125	92	67	51	37	28	23	19	13	12
22°	164	117	84	61	43	33	23	18	14	15	10
23°	156	107	76	53	40	28	21	16	12	12	10
24°	141	98	68	46	33	25	19	14	10	9	10
25°	132	89	59	42	30	21	14	12	9	7	7
26°	120	81	54	35	25	18	13	12	9	6	5
27°	109	72	48	32	23	16	12	10	7	6	5
28°	98	64	41	26	17	12	9	7	5	4	4
29°	90	57	35	21	16	10	6	6	3	2	2
30°	83	57	34	22	13	10	8	5	5	5	3
31°	74	44	28	17	13	10	6	7	4	3	3
32°	66	39	23	14	9	7	4	3	4	1	1
33°	61	37	22	13	10	7	6	4	4	4	2
34°	56	31	18	11	8	6	4	5	2	3	2
35°	48	28	15	10	8	6	3	3	2	1	2
36°	41	23	12	8	6	8	3	4	3	7	1
37°	36	21	14	7	6	4	4	3	5	1	2
38°	29	17	11	6	4	3	2	2	1	0	1
39°	24	13	6	3	2	1	2	1	0	1	0
40°	22	13	11	5	4	2	2	2	2	1	0
42.5°	16	9	5	5	3	4	1	3	1	0	6
45°	14	6	4	4	2	2	2	2	2	3	1
47.5°	8	4	4	3	3	2	5	2	2	0	2
50°	5	3	3	3	4	2	1	2	1	0	0
52.5°	3	4	2	1	3	3	1	0	3	1	0
55°	1	1	2	1	1	0	0	0	0	1	1
57.5°	2	0	0	0	0	0	0	0	0	0	0
60°	2	2	0	1	0	1	0	1	0	2	1
62.5°	1	6	8	1	0	1	1	0	1	2	2
65°	1	0	2	1	1	1	1	1	1	1	0
67.5°	1	1	1	1	1	1	0	2	1	2	0
70°	0	0	0	0	0	0	1	0	0	1	2
72.5°	2	4	3	0	2	1	2	1	1	2	2
75°	2	0	0	1	1	1	1	0	0	0	0
77.5°	0	1	2	2	1	2	2	2	1	1	1
80°	0	1	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
82.5°	0	1	2	1	1	1	1	0	1	0	1
85°	2	1	2	0	1	0	1	0	1	0	0
87.5°	0	0	1	1	1	0	0	2	1	2	0
90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
0°	157	157	157	157	157	157	157	157	157	157	157
2.5°	127	127	122	123	120	118	116	115	116	115	112
5°	101	96	91	89	84	79	77	73	73	71	71
7.5°	74	67	61	56	52	51	48	46	41	39	38
10°	58	52	47	44	38	36	33	30	30	28	25
12.5°	41	37	31	30	26	23	23	19	18	18	15
15°	27	24	21	20	17	16	15	14	10	10	11
17.5°	18	16	12	12	11	9	8	8	6	7	6
20°	12	11	8	8	9	7	7	6	6	5	4
21°	10	8	7	7	6	6	5	3	4	4	3
22°	8	8	5	6	7	5	5	5	3	5	2
23°	8	7	6	5	8	4	5	3	3	4	3
24°	6	5	5	3	5	5	3	4	2	6	4
25°	6	9	3	6	4	3	7	2	2	2	2
26°	5	5	4	4	3	3	4	2	4	3	3
27°	5	5	3	3	3	3	3	2	1	2	3
28°	2	3	2	2	2	2	1	0	1	0	0
29°	1	1	3	0	2	3	2	0	1	0	0
30°	3	2	3	1	2	5	1	3	1	3	3
31°	3	2	2	2	2	2	1	3	1	2	2
32°	1	1	2	2	2	1	2	0	2	0	0
33°	3	2	2	1	2	1	3	4	2	2	2
34°	2	2	3	2	2	0	2	0	1	2	1
35°	1	1	2	0	1	0	4	1	0	0	1
36°	2	1	0	2	1	0	3	0	2	7	2
37°	2	1	1	2	2	0	2	1	1	2	2
38°	1	1	1	1	1	0	0	0	0	2	1
39°	0	0	0	0	0	0	0	0	0	0	0
40°	1	0	1	1	0	0	1	2	0	0	0
42.5°	3	2	1	0	1	1	1	1	3	1	0
45°	1	2	0	1	6	1	1	0	0	1	0
47.5°	1	4	0	0	0	0	0	0	0	1	0
50°	1	1	1	1	0	2	2	1	0	0	0
52.5°	0	5	2	1	0	1	1	0	0	2	1
55°	0	0	1	0	2	0	0	0	2	2	0
57.5°	0	0	0	0	0	0	1	0	0	0	0
60°	0	1	1	0	0	0	0	1	0	2	0
62.5°	1	2	4	0	0	0	1	1	1	4	0
65°	2	1	2	1	2	0	1	1	0	2	1
67.5°	1	1	1	0	1	1	1	1	0	1	0
70°	0	0	0	0	1	0	1	0	0	0	0
72.5°	2	2	1	0	2	1	3	0	2	2	0
75°	1	2	0	0	0	0	1	1	0	0	0
77.5°	0	1	1	0	2	0	2	1	2	2	0
80°	0	0	0	0	1	1	1	0	0	1	0



TEST NUMBER: P13485

CATALOG NUMBER: AXS32511-D4194

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°	185°	190°	195°	200°	205°	210°	215°
82.5°	1	1	1	1	1	2	2	1	0	1	0
85°	1	0	1	0	0	0	0	0	0	0	1
87.5°	1	2	1	0	0	2	1	1	0	1	1
90°	0	0	0	0	0	0	0	0	0	0	0



TEST NUMBER: P13485

CATALOG NUMBER: AXS32511-D4194

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
0°	157	157	157	157	157	157	157	157	157	157	157
2.5°	115	113	116	116	117	121	120	122	123	126	127
5°	69	69	68	69	70	70	71	72	74	77	80
7.5°	40	38	35	35	36	35	36	37	42	42	42
10°	25	24	23	23	24	23	25	25	24	27	27
12.5°	15	16	15	16	20	14	15	15	14	16	16
15°	10	9	8	10	8	9	9	9	10	9	11
17.5°	5	5	5	6	3	6	5	6	10	6	7
20°	5	4	3	3	2	4	4	4	5	4	5
21°	4	2	3	4	2	4	3	3	2	2	3
22°	4	3	4	8	4	1	2	3	3	3	2
23°	3	3	2	4	9	3	4	3	3	3	4
24°	2	3	2	1	2	2	3	2	4	2	5
25°	3	2	4	4	2	2	2	2	1	1	1
26°	6	2	1	1	3	2	3	2	3	1	3
27°	4	2	2	4	1	3	2	1	3	2	2
28°	2	0	0	1	0	0	2	2	5	1	1
29°	0	0	0	0	0	0	1	0	1	3	1
30°	2	1	2	2	3	2	1	0	1	2	2
31°	0	1	1	2	2	2	1	0	2	0	1
32°	0	1	1	2	1	1	1	0	2	2	1
33°	2	2	2	2	3	2	1	1	2	1	0
34°	2	1	0	3	4	2	1	2	1	1	1
35°	1	0	2	7	0	0	1	2	0	2	3
36°	0	1	0	1	0	1	1	2	0	0	1
37°	2	0	1	0	1	2	6	1	2	2	0
38°	1	0	0	1	0	1	0	1	0	0	2
39°	0	0	0	0	0	0	0	0	0	0	0
40°	0	0	1	1	0	1	0	3	7	5	0
42.5°	2	2	3	0	1	0	2	1	2	2	0
45°	0	0	1	1	5	0	2	1	2	1	1
47.5°	1	0	0	0	0	0	1	1	2	0	0
50°	1	0	0	2	1	2	1	1	2	1	1
52.5°	0	1	2	1	2	1	0	0	1	0	0
55°	0	1	0	1	0	1	0	0	0	0	0
57.5°	0	0	0	6	0	0	0	0	0	0	4
60°	0	1	1	2	2	1	0	2	0	2	1
62.5°	2	1	0	0	2	2	0	4	2	3	1
65°	1	3	2	2	0	3	2	2	2	2	1
67.5°	2	0	2	3	1	2	2	0	1	1	2
70°	0	0	2	0	0	0	0	0	0	0	0
72.5°	3	2	2	2	1	2	2	1	2	2	1
75°	2	0	1	0	1	2	3	0	1	0	0
77.5°	0	0	0	0	1	1	1	1	1	2	1
80°	0	0	0	1	1	0	0	2	0	0	1



TEST NUMBER: P13485

CATALOG NUMBER: AXS32511-D4194

CANDELA DISTRIBUTION (continued):

	220°	225°	230°	235°	240°	245°	250°	255°	260°	265°	270°
82.5°	2	1	1	2	2	1	1	0	2	0	1
85°	2	1	1	0	0	0	1	0	1	1	0
87.5°	0	0	1	1	0	0	0	1	1	1	0
90°	0	0	0	0	0	0	0	0	0	0	0



TEST NUMBER: P13485

CATALOG NUMBER: AXS32511-D4194

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
0°	157	157	157	157	157	157	157	157	157	157	157
2.5°	130	134	136	141	143	148	151	155	159	162	167
5°	83	87	90	97	102	108	115	122	131	139	149
7.5°	44	49	52	58	63	69	78	87	98	115	123
10°	28	32	34	37	43	49	55	64	76	89	104
12.5°	19	19	21	27	26	32	38	44	54	67	81
15°	10	10	14	16	17	20	25	32	40	50	63
17.5°	6	7	7	10	9	14	17	20	26	36	47
20°	4	4	5	5	7	9	11	14	18	27	34
21°	4	5	3	5	6	7	9	13	15	22	32
22°	3	4	4	13	4	7	8	11	23	23	26
23°	3	3	4	6	5	7	7	8	14	19	26
24°	3	3	3	4	3	9	6	6	10	13	21
25°	2	4	2	4	3	6	4	8	8	13	21
26°	1	3	3	3	2	4	6	7	8	11	16
27°	2	4	2	4	3	5	5	7	7	9	15
28°	1	3	1	3	3	3	3	6	6	9	13
29°	0	0	0	1	3	1	4	3	4	7	10
30°	1	2	2	2	2	2	5	6	5	8	10
31°	1	2	2	2	1	2	4	3	6	5	9
32°	2	0	1	1	1	2	2	2	4	6	7
33°	2	1	2	2	2	2	4	4	3	5	8
34°	2	3	2	2	2	1	1	4	5	6	7
35°	2	0	1	3	2	5	2	4	7	5	6
36°	2	1	0	1	2	1	1	2	2	3	5
37°	0	2	1	1	0	1	2	2	2	5	6
38°	0	0	0	3	0	2	1	1	2	2	3
39°	0	0	0	1	0	0	0	0	1	2	2
40°	0	1	0	1	3	1	1	1	1	2	2
42.5°	0	1	0	0	2	0	1	2	3	2	4
45°	0	0	0	0	2	1	1	1	2	3	2
47.5°	3	2	0	0	0	1	2	0	2	2	1
50°	0	1	0	1	1	1	1	3	1	1	2
52.5°	3	2	1	0	0	0	0	0	0	1	2
55°	0	0	2	0	0	0	0	0	0	1	2
57.5°	1	0	1	2	2	4	0	0	8	3	0
60°	1	0	2	1	1	0	0	1	0	1	0
62.5°	1	0	1	0	0	1	0	1	0	1	0
65°	1	1	2	1	2	0	1	2	1	1	0
67.5°	0	0	2	1	2	8	3	1	2	1	0
70°	2	0	0	0	0	0	0	0	0	0	0
72.5°	1	2	1	1	1	2	0	1	1	0	2
75°	2	0	1	0	0	0	0	1	0	0	0
77.5°	0	1	1	1	0	4	0	0	1	0	2
80°	1	1	0	1	0	0	0	0	0	1	0



TEST NUMBER: P13485

CATALOG NUMBER: AXS32511-D4194

CANDELA DISTRIBUTION (continued):

	275°	280°	285°	290°	295°	300°	305°	310°	315°	320°	325°
82.5°	0	1	1	1	1	1	1	0	0	1	1
85°	0	0	0	2	0	1	1	0	0	0	0
87.5°	0	1	0	1	0	0	1	1	0	2	0
90°	0	0	0	0	0	0	0	0	0	0	0



TEST NUMBER: P13485

CATALOG NUMBER: AXS32511-D4194

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
0°	157	157	157	157	157	157	157
2.5°	171	177	180	185	188	191	195
5°	162	173	183	198	212	223	239
7.5°	139	158	177	198	222	246	277
10°	127	147	173	203	237	274	319
12.5°	103	128	163	198	241	291	355
15°	84	108	144	188	240	303	387
17.5°	65	89	124	176	237	312	414
20°	50	74	107	159	227	313	434
21°	45	67	99	151	221	310	440
22°	42	61	100	144	217	307	443
23°	37	57	87	135	210	304	447
24°	33	50	79	127	203	298	450
25°	32	46	72	120	195	296	451
26°	26	41	68	112	189	289	447
27°	22	37	62	104	181	282	444
28°	20	34	55	98	171	273	437
29°	18	27	49	91	158	262	425
30°	15	30	46	85	151	255	417
31°	14	23	43	77	142	242	403
32°	13	24	37	70	130	227	385
33°	10	19	34	64	121	214	366
34°	10	17	31	59	111	200	346
35°	8	15	29	52	99	188	320
36°	7	13	25	45	91	167	294
37°	8	13	21	42	80	148	260
38°	6	9	19	37	70	128	223
39°	4	7	15	29	59	107	185
40°	4	14	13	26	52	91	155
42.5°	5	8	11	19	36	56	94
45°	4	4	6	12	21	34	54
47.5°	3	4	5	8	10	16	26
50°	3	4	2	5	5	9	11
52.5°	3	1	2	2	3	3	5
55°	1	2	0	0	1	2	3
57.5°	1	1	6	0	0	0	1
60°	4	2	0	0	0	2	0
62.5°	0	2	0	0	0	1	0
65°	2	1	0	1	0	5	2
67.5°	2	1	1	0	0	1	0
70°	0	0	0	0	0	0	0
72.5°	1	1	0	1	1	1	0
75°	0	0	0	2	0	1	1
77.5°	0	0	0	1	2	0	1
80°	0	0	0	1	0	0	0



TEST NUMBER: P13485

CATALOG NUMBER: AXS32511-D4194

CANDELA DISTRIBUTION (continued):

	330°	335°	340°	345°	350°	355°	360°
82.5°	0	2	1	1	2	1	0
85°	0	2	1	1	0	1	0
87.5°	2	0	4	1	0	0	0
90°	0	0	0	0	0	0	0

(END OF REPORT)