

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: LUMARK

Report Number: P290555

Luminaire Tested: **AXCS5ARL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P290555
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1811-024-10)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: AXCS5ARL
Description: 5ARL AXCENT SMALL LED WALLPACK WITH 4000K CCT AND 70 CRI LEDS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6699.1 lumens
Efficiency: N/A
Efficacy: 131.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.17' x L: 0.5' x H: 0.17')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B1 - U4 - G3

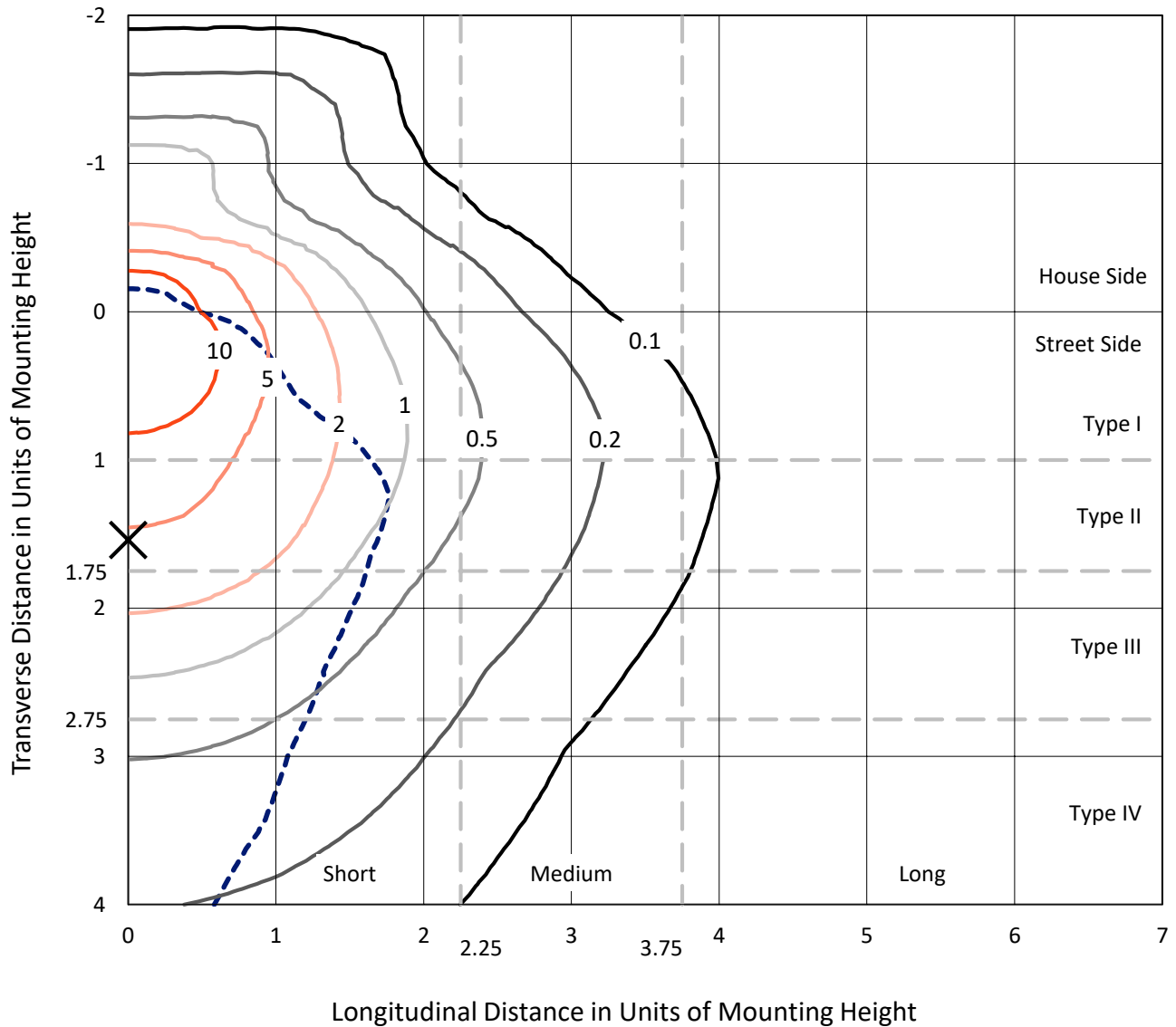
Input Watts (W): 51.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P290555
 CATALOG NUMBER: AXCS5ARL

Iso-Footcandle Lines of Horizontal Illumination

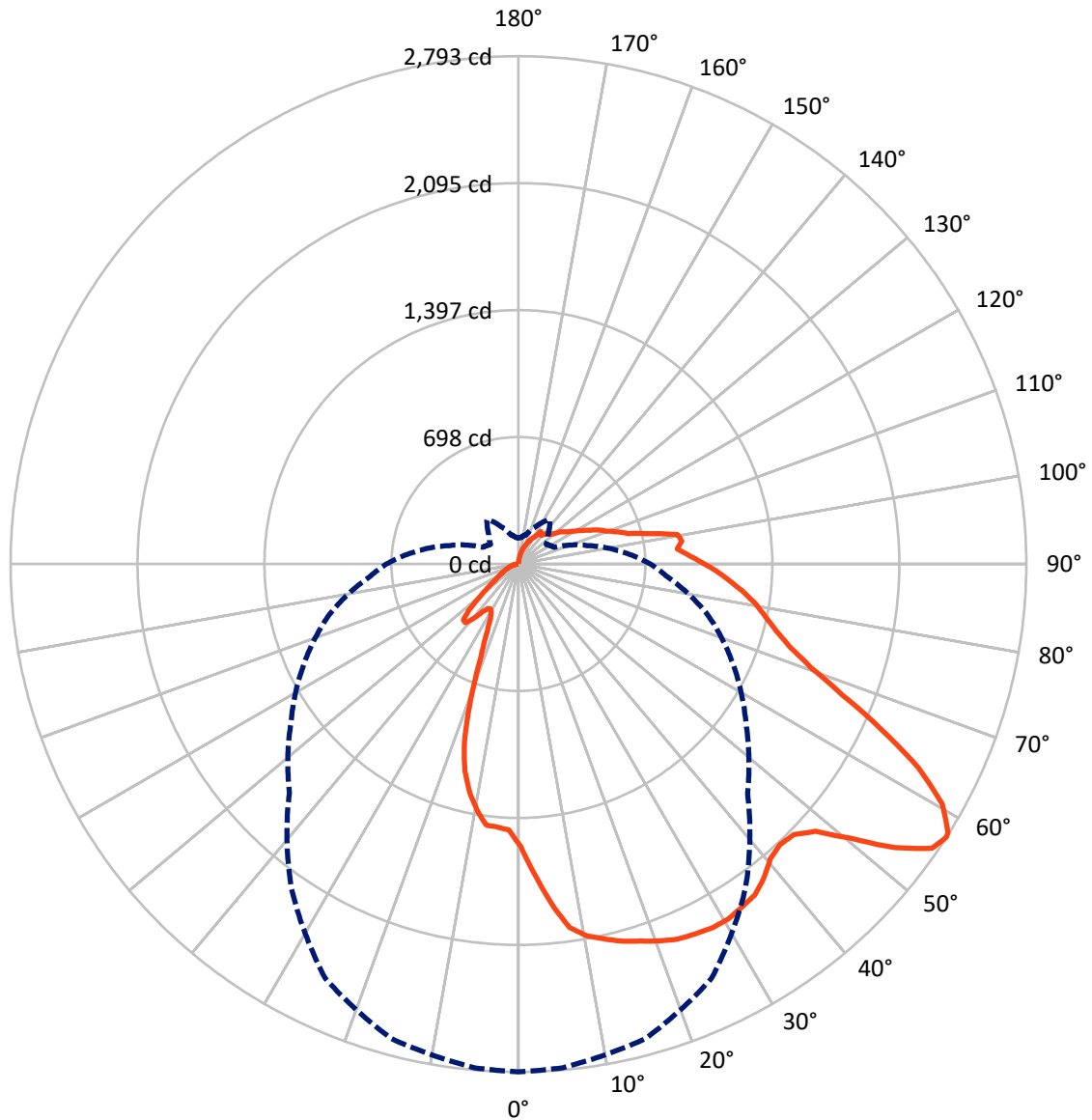
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 19.5 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P290555
CATALOG NUMBER: AXCS5ARL

Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 57-Deg Vertical

REPORT NUMBER: P290555
 CATALOG NUMBER: AXCS5ARL

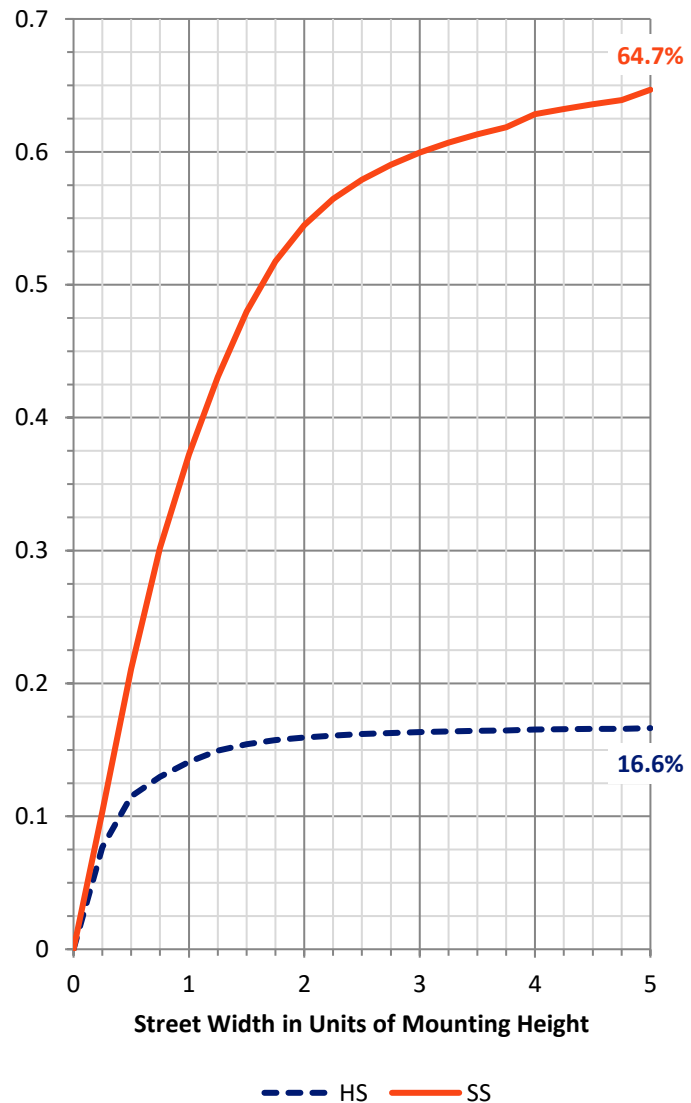
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1137.1	76.4	1213.6
	% Fixture	17.0	1.1	18.1
Street Side	Lumens	4595.2	890.3	5485.5
	% Fixture	68.6	13.3	81.9
Total	Lumens	5732.4	966.7	6699.1
	% Fixture	85.6	14.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.2	2.3
10°-20°	460.7	6.9
20°-30°	667.2	10.0
30°-40°	789.4	11.8
40°-50°	858.0	12.8
50°-60°	952.1	14.2
60°-70°	845.5	12.6
70°-80°	585.0	8.7
80°-90°	419.1	6.3
90°-100°	318.0	4.7
100°-110°	230.7	3.4
110°-120°	158.4	2.4
120°-130°	107.8	1.6
130°-140°	73.0	1.1
140°-150°	47.0	0.7
150°-160°	23.6	0.4
160°-170°	7.8	0.1
170°-180°	0.6	0.0
0°-90°	5732.4	85.6
0°-180°	6699.1	100.0

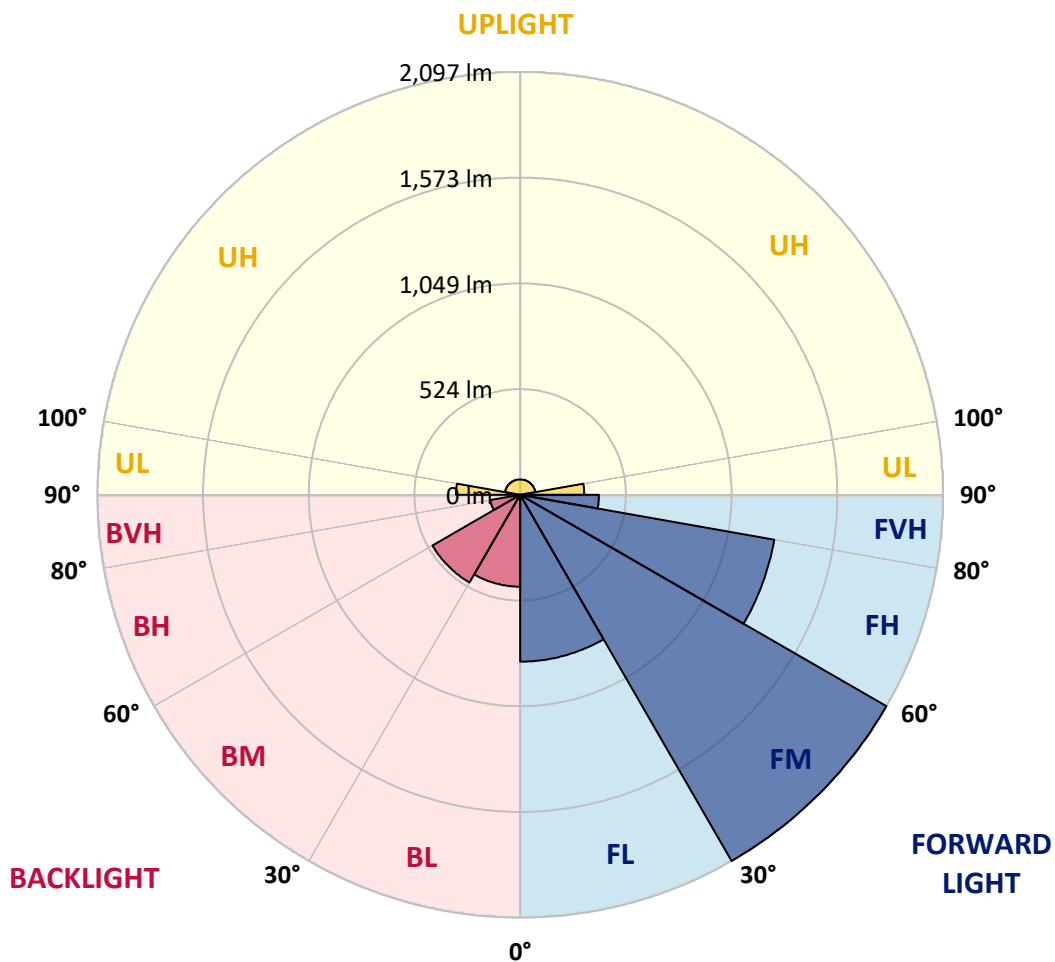


REPORT NUMBER: P290555
 CATALOG NUMBER: AXCS5ARL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	827.4	12.4			
FM (30°-60°)	2097.4	31.3			
FH (60°-80°)	1279.8	19.1			G1/1800
FVH (80°-90°)	390.7	5.8			G3/500
BL (0°-30°)	455.8	6.8	B1/500		
BM (30°-60°)	502.1	7.5	B1/1000		
BH (60°-80°)	150.8	2.3	B1/500		G1/500
BVH (80°-90°)	28.4	0.4			G1/100
UL (90°-100°)	318.0	4.7		U3/500	
UH (100°-180°)	76.4	1.1		U3/500	

BUG Rating: B1-U4-G3
 Type IV Short





REPORT NUMBER: P290555
 CATALOG NUMBER: AXCS5ARL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1554	1554	1554	1554	1554	1554	1554	1554	1554	1554	1554
2.5°	1709	1695	1697	1687	1671	1658	1637	1613	1589	1558	1544
5°	1873	1860	1847	1826	1790	1755	1724	1671	1621	1565	1539
7.5°	2019	2007	1998	1974	1934	1877	1797	1727	1650	1568	1532
10°	2080	2075	2068	2054	2025	1979	1896	1782	1678	1569	1522
12.5°	2117	2112	2106	2089	2065	2029	1968	1844	1699	1567	1506
15°	2153	2149	2138	2119	2087	2050	1997	1892	1723	1560	1491
17.5°	2180	2178	2168	2144	2109	2064	2007	1918	1746	1553	1472
20°	2213	2211	2194	2163	2124	2072	2008	1921	1760	1541	1450
22.5°	2241	2240	2224	2193	2137	2075	2004	1913	1765	1527	1424
25°	2254	2255	2238	2208	2159	2075	1993	1897	1756	1508	1396
27.5°	2267	2267	2249	2214	2163	2084	1977	1874	1734	1483	1362
30°	2268	2271	2253	2214	2157	2081	1963	1847	1704	1452	1327
32.5°	2252	2254	2239	2208	2145	2060	1945	1809	1662	1414	1282
35°	2237	2235	2219	2185	2127	2036	1914	1765	1609	1366	1235
37.5°	2192	2193	2182	2155	2099	2003	1870	1713	1548	1312	1177
40°	2133	2133	2119	2099	2058	1965	1822	1659	1481	1250	1120
42.5°	2109	2103	2076	2039	2001	1917	1769	1596	1410	1196	1062
45°	2123	2120	2087	2014	1936	1841	1698	1520	1353	1136	1011
47.5°	2196	2182	2132	2043	1913	1772	1614	1455	1296	1064	954
50°	2372	2359	2280	2122	1945	1733	1548	1401	1240	1012	888
52.5°	2592	2579	2473	2280	2013	1730	1522	1352	1182	936	833
55°	2760	2741	2654	2437	2114	1756	1519	1337	1132	889	760
57°	2793	2781	2702	2514	2177	1782	1528	1302	1077	823	726
57.5°	2786	2773	2700	2520	2185	1785	1533	1302	1068	821	720
60°	2679	2660	2606	2455	2162	1783	1529	1279	1030	762	640
62.5°	2469	2442	2378	2237	2011	1685	1470	1259	1002	711	587
65°	2194	2171	2087	1973	1775	1526	1400	1228	978	666	547
67.5°	1920	1898	1830	1693	1494	1327	1238	1161	947	635	496
70°	1705	1692	1615	1464	1277	1117	1088	1080	906	602	449
72.5°	1562	1549	1469	1313	1114	959	977	957	877	577	401
75°	1463	1454	1364	1204	1008	845	831	840	810	543	352
77.5°	1387	1379	1285	1126	928	759	745	774	751	504	296
80°	1322	1307	1218	1060	877	698	676	672	667	426	231
82.5°	1244	1229	1144	999	829	663	625	611	547	331	171
85°	1163	1148	1072	940	786	619	584	562	491	244	115
87.5°	1089	1074	1001	882	741	589	544	506	413	178	81
90°	1007	999	937	828	703	556	514	465	358	145	74
92.5°	935	930	876	780	668	538	481	420	310	120	67
95°	877	869	823	741	641	520	469	385	266	104	68
97.5°	908	905	860	767	653	525	441	353	232	99	71
100°	889	884	838	743	637	496	404	314	194	101	76
102.5°	739	735	709	636	550	437	348	265	180	104	82
105°	626	622	597	551	482	387	313	238	173	108	86
107.5°	571	571	552	510	449	365	294	233	165	111	89



REPORT NUMBER: P290555
 CATALOG NUMBER: AXCS5ARL

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	517	515	498	466	408	342	284	222	157	112	90
112.5°	479	472	459	431	376	322	271	205	151	111	90
115°	431	428	417	394	349	302	251	188	148	109	87
117.5°	392	390	380	358	322	283	232	177	144	105	83
120°	357	354	347	325	294	262	216	170	139	100	79
122.5°	326	325	319	299	276	245	202	166	134	94	73
125°	304	303	293	274	250	230	195	163	127	87	67
127.5°	286	285	277	258	244	216	184	154	119	80	62
130°	257	255	249	242	230	202	181	145	111	74	57
132.5°	237	237	240	235	215	191	171	137	104	68	53
135°	237	237	232	221	202	194	161	127	98	62	48
137.5°	223	222	217	206	196	184	149	118	91	57	44
140°	205	204	200	198	203	168	139	112	85	52	40
142.5°	201	202	214	211	180	156	129	104	79	47	37
145°	217	213	204	182	164	142	123	100	73	42	33
147.5°	180	179	174	167	151	136	113	92	66	37	30
150°	169	169	164	151	139	124	104	84	59	33	27
152.5°	147	146	143	141	129	110	96	75	52	28	24
155°	139	139	139	125	112	101	86	66	46	24	21
157.5°	119	117	115	109	102	90	74	57	40	20	18
160°	105	106	104	98	90	78	63	48	34	16	15
162.5°	92	91	90	85	76	65	52	39	28	13	13
165°	77	76	73	69	61	51	40	32	21	11	10
167.5°	59	59	57	52	46	37	29	23	14	9	8
170°	43	43	41	35	27	23	20	14	9	7	7
172.5°	17	18	17	17	15	12	10	8	5	5	5
175°	1	1	2	4	5	5	5	4	5	5	5
177.5°	0	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P290555
 CATALOG NUMBER: AXCS5ARL

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1554	1554	1554	1554	1554	1554	1554	1554	1554	1554
2.5°	1535	1529	1516	1496	1481	1473	1465	1466	1461	1464
5°	1521	1501	1475	1452	1442	1440	1443	1449	1451	1451
7.5°	1506	1473	1445	1437	1442	1447	1448	1451	1447	1447
10°	1489	1442	1429	1434	1437	1423	1399	1386	1379	1374
12.5°	1466	1417	1421	1422	1391	1352	1318	1298	1286	1286
15°	1441	1394	1405	1378	1323	1271	1236	1206	1183	1176
17.5°	1415	1373	1382	1315	1248	1184	1115	1048	1021	1015
20°	1386	1349	1335	1249	1165	1057	942	840	783	778
22.5°	1353	1319	1273	1174	1056	890	729	615	565	549
25°	1318	1286	1214	1091	907	696	528	450	417	421
27.5°	1280	1243	1150	988	731	520	407	359	340	338
30°	1239	1191	1076	863	574	406	341	314	305	303
32.5°	1193	1134	991	716	452	340	305	295	292	291
35°	1138	1064	891	584	368	303	289	291	296	297
37.5°	1080	989	786	469	317	283	285	306	327	330
40°	1018	919	669	385	284	272	297	347	381	390
42.5°	974	837	564	324	264	270	327	399	432	435
45°	913	762	471	284	249	279	365	426	432	432
47.5°	851	685	393	255	239	297	393	407	374	371
50°	790	598	328	231	234	318	384	335	289	285
52.5°	731	523	280	212	232	330	340	260	218	218
55°	670	444	242	198	232	322	281	202	172	168
57°	612	392	218	187	232	301	228	168	146	144
57.5°	599	380	214	185	232	295	218	162	139	138
60°	545	319	190	174	230	254	174	132	116	115
62.5°	490	274	171	164	221	213	146	112	99	98
65°	444	232	155	155	208	174	121	96	84	83
67.5°	395	197	142	145	189	144	101	82	72	71
70°	335	169	130	135	168	120	85	69	61	60
72.5°	286	145	120	125	145	100	73	59	50	50
75°	224	125	110	114	123	82	61	49	41	40
77.5°	171	108	100	103	104	67	50	41	33	33
80°	122	93	92	92	86	56	43	33	27	26
82.5°	92	80	84	82	71	47	36	27	20	19
85°	73	70	76	73	58	40	30	20	14	13
87.5°	60	63	69	61	44	29	19	11	5	4
90°	55	59	62	51	35	21	12	5	1	0
92.5°	56	58	60	48	33	19	11	5	1	0
95°	59	59	58	47	32	19	11	5	1	0
97.5°	63	60	57	46	31	19	10	5	1	0
100°	67	61	57	45	31	18	10	5	1	0
102.5°	71	62	57	45	30	18	10	5	1	0
105°	74	62	56	45	30	18	10	5	1	0
107.5°	76	62	55	44	30	17	10	5	1	0



REPORT NUMBER: P290555
 CATALOG NUMBER: AXCS5ARL

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
110°	77	61	53	43	29	17	9	4	1	0
112.5°	76	60	51	41	28	16	9	4	1	0
115°	73	58	49	39	27	16	9	4	1	0
117.5°	70	55	47	37	26	15	8	4	1	0
120°	67	52	44	35	24	14	8	4	0	0
122.5°	63	50	42	33	23	14	7	3	0	0
125°	59	47	40	32	22	13	7	3	0	0
127.5°	55	44	37	30	21	12	7	3	0	0
130°	51	42	35	28	20	11	6	3	0	0
132.5°	47	39	32	26	18	11	6	3	0	0
135°	43	36	30	24	17	10	5	2	0	0
137.5°	40	34	28	23	16	9	5	2	0	0
140°	37	31	26	21	15	8	5	2	0	0
142.5°	34	29	24	19	13	8	4	2	0	0
145°	31	26	22	17	12	7	4	2	0	0
147.5°	28	24	20	16	10	6	3	1	0	0
150°	25	22	18	14	9	5	3	1	0	0
152.5°	23	19	16	12	8	5	2	1	0	0
155°	20	17	14	11	7	4	2	1	0	0
157.5°	17	15	12	9	6	3	1	1	0	0
160°	15	13	11	8	5	3	1	0	0	0
162.5°	12	11	9	6	4	2	1	0	0	0
165°	10	9	7	5	3	2	1	0	0	0
167.5°	8	7	6	4	3	1	1	0	0	0
170°	7	6	5	3	2	1	1	0	0	0
172.5°	5	5	4	2	1	1	0	0	0	0
175°	5	4	2	2	1	1	0	0	0	0
177.5°	0	0	0	0	0	0	0	0	0	0
180°	0	0	0	0	0	0	0	0	0	0

(END OF REPORT)