

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: EPHESUS

Report Number: P621391

Luminaire Tested: **EPH-VN-06-E-750-U-66**

Issue Date: 09/19/2022

Test Information

Test Method: LM-79-2019
Report Number: P621391
Test Lab: INNOVATION CENTER(G2)
Issue Date: 09/19/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-VN-06-E-750-U-66
Description: EPHESUS LUMAVISION FLOOD – Middle Tier Light Square Luminaire w/
Nema 6 distribution lens
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

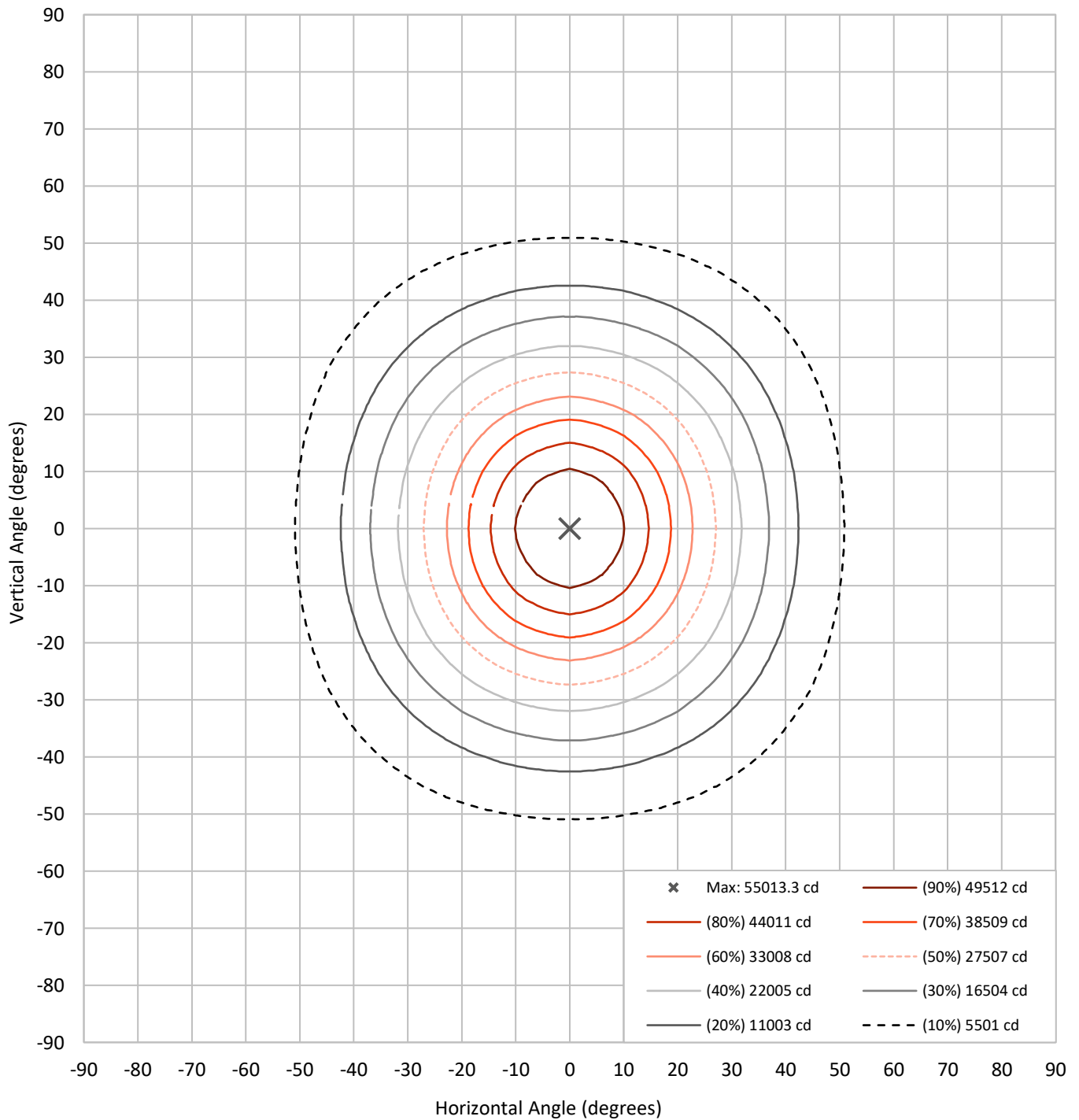
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	57057.8 lumens	Max Intensity:	55013.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	122.9 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	54.2°H x 54.7°V	Field Angle (10%):	101.7°H x 101.8°V
Beam Lumens:	27433.6 lumens	Field Lumens:	50073.8 lumens
Beam Efficiency:	48.1%	Field Efficiency:	87.8%

Input Watts (W): 464.2
Input Voltage (V): 120
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



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Iso-Candela Plot





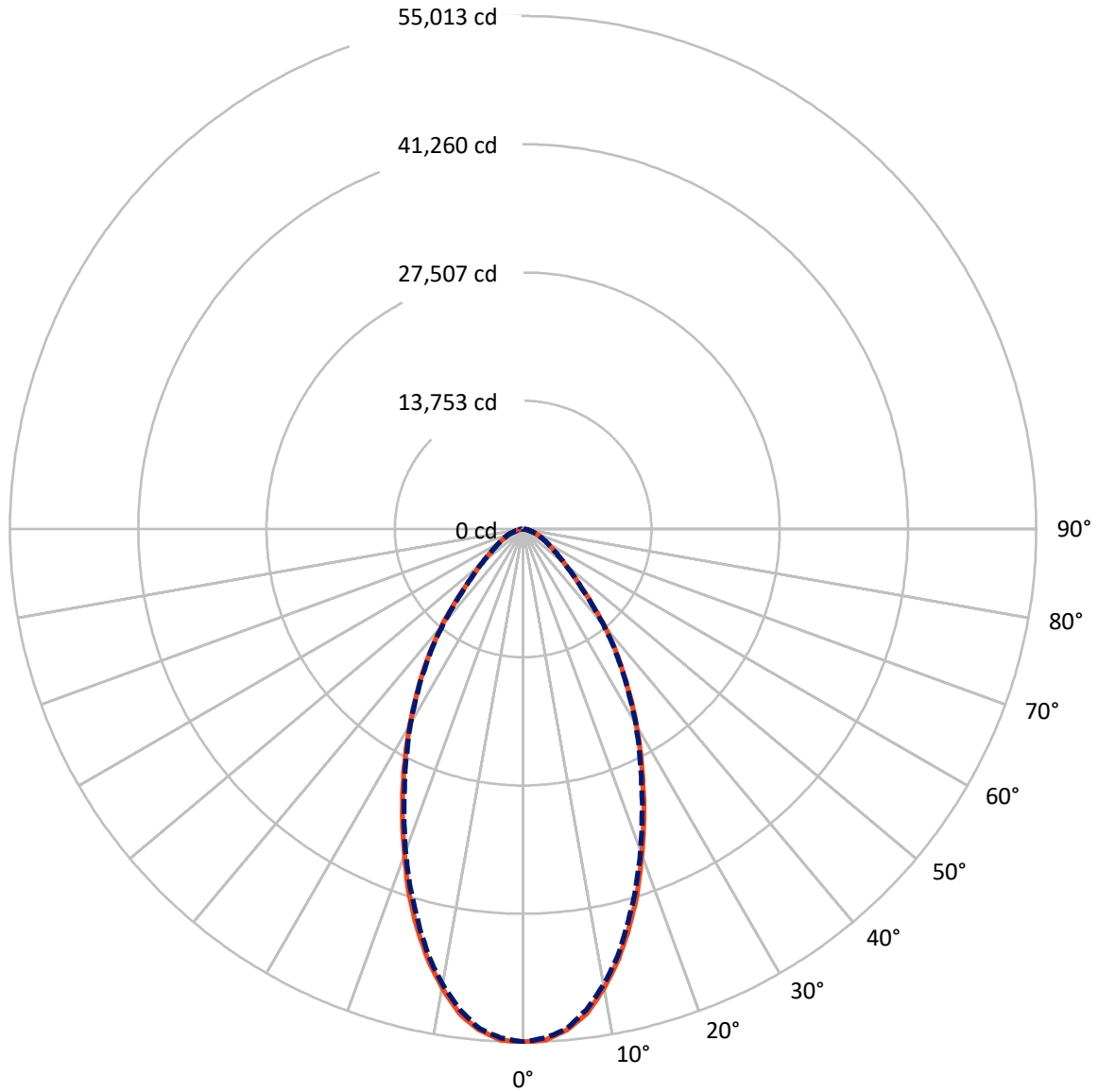
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Lumen Table

90																			
80	4.0	24.5		49.3		75.0		64.4		75.0		49.3		24.5		4.0			
70																			
60	10.1	10.7	19.0	28.9	40.5	51.7	60.3	64.6	64.6	60.3	51.7	40.5	28.9	19.0	10.7	10.1			
50		14.2	27.0	44.3	66.5	90.6	112.2	125.3	125.3	112.2	90.6	66.5	44.3	27.0	14.2				
40	13.5	17.7	36.2	65.3	108.4	166.2	228.8	271.4	271.4	228.8	166.2	108.4	65.3	36.2	17.7	13.5			
30		21.1	46.7	94.0	180.4	319.0	464.0	554.1	554.1	464.0	319.0	180.4	94.0	46.7	21.1				
20	15.6	24.3	57.5	130.3	288.7	520.9	748.3	898.1	898.1	748.3	520.9	288.7	130.3	57.5	24.3	15.6			
10		26.8	67.1	167.7	393.2	701.5	1038.8	1282.6	1282.6	1038.8	701.5	393.2	167.7	67.1	26.8				
0	16.3	28.2	72.8	192.3	453.9	813.6	1239.0	1557.3	1557.3	1239.0	813.6	453.9	192.3	72.8	28.2	16.3			
-10		28.2	72.8	192.3	453.9	813.6	1239.0	1557.3	1557.3	1239.0	813.6	453.9	192.3	72.8	28.2				
-20	15.6	26.8	67.1	167.7	393.2	701.5	1038.8	1282.6	1282.6	1038.8	701.5	393.2	167.7	67.1	26.8	15.6			
-30		24.3	57.5	130.3	288.7	520.9	748.3	898.1	898.1	748.3	520.9	288.7	130.3	57.5	24.3				
-40	13.5	21.1	46.7	94.0	180.4	319.0	464.0	554.1	554.1	464.0	319.0	180.4	94.0	46.7	21.1	13.5			
-50		17.7	36.2	65.3	108.4	166.2	228.8	271.4	271.4	228.8	166.2	108.4	65.3	36.2	17.7				
-60	10.1	14.2	27.0	44.3	66.5	90.6	112.2	125.3	125.3	112.2	90.6	66.5	44.3	27.0	14.2	10.1			
-70		10.7	19.0	28.9	40.5	51.7	60.3	64.6	64.6	60.3	51.7	40.5	28.9	19.0	10.7				
-80																			
-90	4.0	24.5		49.3		75.0		64.4		75.0		49.3		24.5		4.0			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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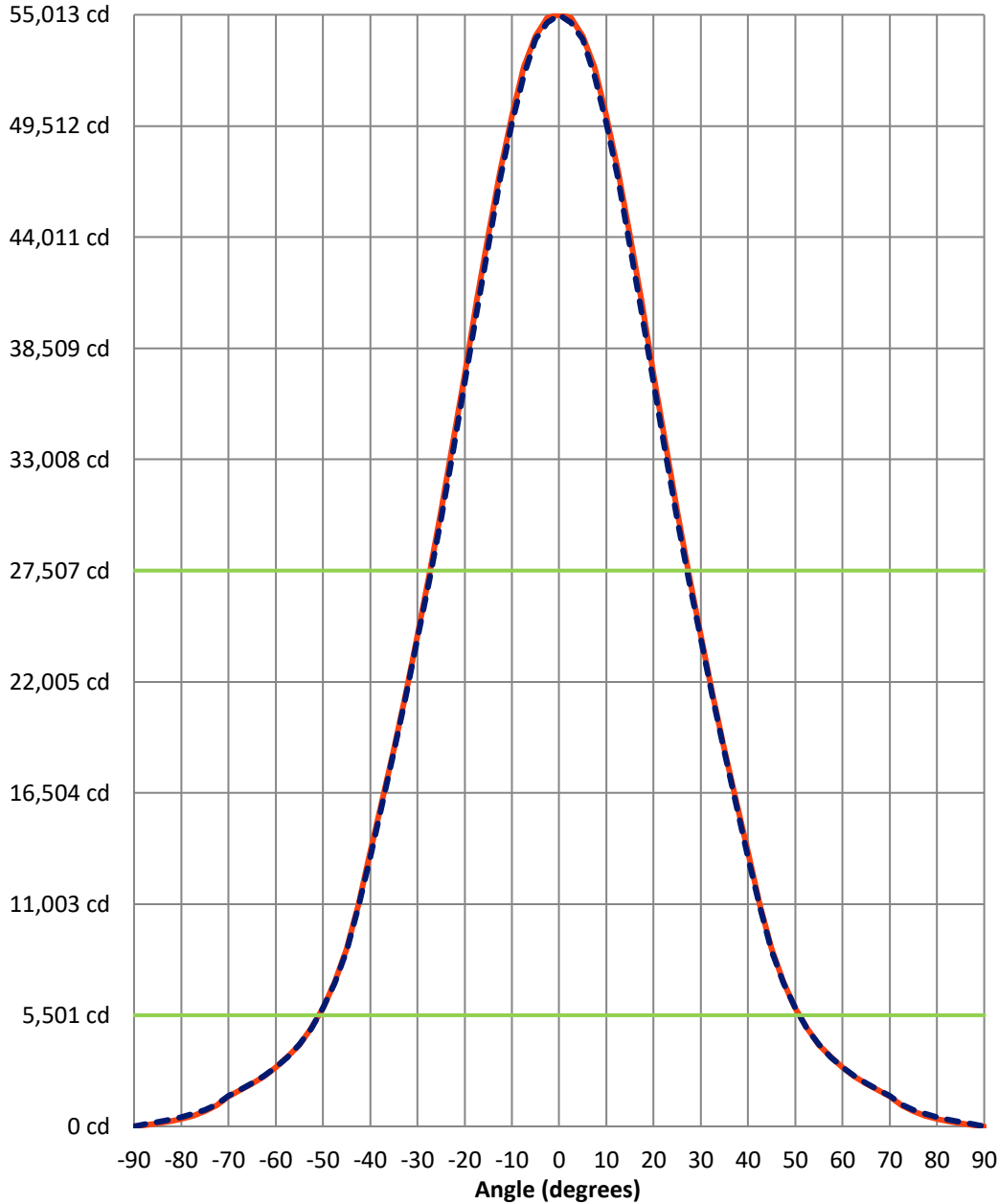
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 54.2°
 V Angle: 54.7°
 Lumens: 27433.6
 Efficiency: 48.1%

Field:
 H Angle: 101.7°
 V Angle: 101.8°
 Lumens: 50073.8
 Efficiency: 87.8%

Spill:
 Lumens: 6984
 Efficiency: 12.2%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	0	6	12	23	35	47	59	70	76	82	94
85°	0	12	23	41	65	94	123	141	152	170	182
82.5°	0	18	41	65	100	135	182	205	229	252	270
80°	0	23	53	88	129	182	240	270	299	328	352
77.5°	0	29	65	106	164	223	293	334	369	405	440
75°	0	35	76	129	193	258	340	393	440	487	539
72.5°	0	41	88	147	217	293	387	451	504	569	639
70°	0	47	100	170	240	328	434	504	569	645	703
67.5°	0	53	111	182	264	358	469	557	627	698	762
65°	0	53	123	193	281	387	498	604	680	750	827
62.5°	0	59	135	205	299	410	528	645	727	803	891
60°	0	65	141	217	322	434	563	686	768	862	956
57.5°	0	70	147	229	334	451	586	721	821	920	1020
55°	0	76	158	240	346	475	610	756	868	973	1084
52.5°	0	76	164	246	363	492	633	780	914	1032	1161
50°	0	82	170	252	375	510	651	809	961	1090	1225
47.5°	0	88	176	258	381	522	674	838	1014	1149	1296
45°	0	88	182	264	393	539	692	856	1049	1208	1360
42.5°	0	94	182	270	399	551	709	885	1079	1266	1430
40°	0	100	188	281	410	557	727	909	1114	1325	1495
37.5°	0	100	193	287	416	569	739	932	1149	1366	1553
35°	0	106	199	293	422	575	745	956	1178	1407	1618
32.5°	0	106	199	305	428	586	756	973	1213	1454	1677
30°	0	106	205	311	428	586	774	991	1243	1501	1735
27.5°	0	111	205	311	440	592	786	1014	1272	1553	1794
25°	0	111	211	317	446	592	791	1032	1307	1600	1847
22.5°	0	111	211	322	451	598	797	1049	1342	1641	1905
20°	0	117	217	328	457	604	803	1067	1378	1677	1952
17.5°	0	117	217	328	463	616	809	1079	1407	1712	1993
15°	0	123	217	328	463	621	821	1084	1436	1741	2034
12.5°	0	123	217	334	463	621	827	1096	1466	1770	2063
10°	0	117	223	334	463	627	832	1102	1483	1788	2093
7.5°	0	117	223	334	469	627	832	1102	1501	1805	2110
5°	0	117	217	334	463	633	832	1108	1524	1823	2128
2.5°	0	117	217	328	463	633	821	1096	1518	1823	2140
0°	0	117	217	328	457	627	815	1084	1512	1817	2140
-2.5°	0	117	217	328	463	633	821	1096	1518	1823	2140
-5°	0	117	217	334	463	633	832	1108	1524	1823	2128
-7.5°	0	117	223	334	469	627	832	1102	1501	1805	2110
-10°	0	117	223	334	463	627	832	1102	1483	1788	2093
-12.5°	0	123	217	334	463	621	827	1096	1466	1770	2063
-15°	0	123	217	328	463	621	821	1084	1436	1741	2034
-17.5°	0	117	217	328	463	616	809	1079	1407	1712	1993
-20°	0	117	217	328	457	604	803	1067	1378	1677	1952



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	111	211	322	451	598	797	1049	1342	1641	1905
-25°	0	111	211	317	446	592	791	1032	1307	1600	1847
-27.5°	0	111	205	311	440	592	786	1014	1272	1553	1794
-30°	0	106	205	311	428	586	774	991	1243	1501	1735
-32.5°	0	106	199	305	428	586	756	973	1213	1454	1677
-35°	0	106	199	293	422	575	745	956	1178	1407	1618
-37.5°	0	100	193	287	416	569	739	932	1149	1366	1553
-40°	0	100	188	281	410	557	727	909	1114	1325	1495
-42.5°	0	94	182	270	399	551	709	885	1079	1266	1430
-45°	0	88	182	264	393	539	692	856	1049	1208	1360
-47.5°	0	88	176	258	381	522	674	838	1014	1149	1296
-50°	0	82	170	252	375	510	651	809	961	1090	1225
-52.5°	0	76	164	246	363	492	633	780	914	1032	1161
-55°	0	76	158	240	346	475	610	756	868	973	1084
-57.5°	0	70	147	229	334	451	586	721	821	920	1020
-60°	0	65	141	217	322	434	563	686	768	862	956
-62.5°	0	59	135	205	299	410	528	645	727	803	891
-65°	0	53	123	193	281	387	498	604	680	750	827
-67.5°	0	53	111	182	264	358	469	557	627	698	762
-70°	0	47	100	170	240	328	434	504	569	645	703
-72.5°	0	41	88	147	217	293	387	451	504	569	639
-75°	0	35	76	129	193	258	340	393	440	487	539
-77.5°	0	29	65	106	164	223	293	334	369	405	440
-80°	0	23	53	88	129	182	240	270	299	328	352
-82.5°	0	18	41	65	100	135	182	205	229	252	270
-85°	0	12	23	41	65	94	123	141	152	170	182
-87.5°	0	6	12	23	35	47	59	70	76	82	94
-90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	100	106	111	111	111	106	100	94	106	117	129
85°	193	211	217	229	223	211	205	193	217	240	270
82.5°	287	305	317	328	328	317	305	287	322	358	399
80°	375	399	422	440	440	422	405	381	422	475	528
77.5°	481	510	533	557	551	545	533	522	563	616	668
75°	586	627	645	668	680	674	674	686	733	797	856
72.5°	680	709	745	786	803	815	844	879	926	979	1026
70°	756	791	838	879	914	950	991	1038	1084	1137	1184
67.5°	827	879	926	979	1026	1079	1131	1184	1237	1296	1354
65°	903	961	1020	1079	1143	1208	1272	1331	1395	1471	1536
62.5°	979	1043	1114	1184	1260	1337	1413	1489	1577	1659	1741
60°	1049	1131	1213	1301	1389	1477	1559	1659	1764	1858	1964
57.5°	1120	1219	1313	1413	1512	1612	1729	1841	1964	2087	2204
55°	1196	1313	1419	1530	1641	1770	1899	2040	2175	2333	2480
52.5°	1278	1401	1524	1647	1788	1929	2081	2245	2421	2603	2784
50°	1360	1495	1630	1776	1934	2099	2280	2474	2685	2896	3119
47.5°	1436	1583	1747	1905	2087	2280	2491	2726	2960	3224	3505
45°	1518	1677	1852	2046	2245	2474	2726	2984	3283	3582	3910
42.5°	1600	1770	1970	2175	2421	2679	2954	3283	3617	3986	4385
40°	1671	1864	2087	2333	2597	2884	3224	3582	3992	4432	4924
37.5°	1753	1964	2204	2474	2779	3113	3505	3922	4396	4930	5522
35°	1829	2063	2327	2620	2960	3347	3787	4273	4824	5469	6190
32.5°	1905	2163	2444	2767	3142	3582	4080	4654	5305	6044	6946
30°	1981	2251	2556	2908	3330	3828	4402	5041	5792	6724	7796
27.5°	2052	2345	2673	3060	3511	4056	4707	5469	6354	7404	8658
25°	2122	2427	2784	3201	3705	4303	5012	5850	6911	8154	9643
22.5°	2187	2509	2884	3335	3881	4543	5340	6296	7462	8846	10598
20°	2251	2591	2990	3464	4033	4760	5639	6706	8031	9660	11606
17.5°	2304	2667	3089	3599	4221	4983	5915	7116	8547	10411	12580
15°	2357	2732	3177	3716	4385	5205	6214	7474	9092	11120	13424
12.5°	2398	2784	3253	3822	4525	5393	6472	7837	9619	11788	14156
10°	2427	2831	3312	3904	4643	5545	6683	8130	10047	12333	14766
7.5°	2456	2866	3359	3969	4731	5663	6847	8359	10375	12755	15235
5°	2480	2896	3394	4015	4789	5751	6970	8506	10610	13054	15569
2.5°	2497	2919	3423	4056	4836	5844	7081	8664	10833	13306	15868
0°	2497	2925	3423	4056	4830	5862	7099	8676	10862	13301	15909
-2.5°	2497	2919	3423	4056	4836	5844	7081	8664	10833	13306	15868
-5°	2480	2896	3394	4015	4789	5751	6970	8506	10610	13054	15569
-7.5°	2456	2866	3359	3969	4731	5663	6847	8359	10375	12755	15235
-10°	2427	2831	3312	3904	4643	5545	6683	8130	10047	12333	14766
-12.5°	2398	2784	3253	3822	4525	5393	6472	7837	9619	11788	14156
-15°	2357	2732	3177	3716	4385	5205	6214	7474	9092	11120	13424
-17.5°	2304	2667	3089	3599	4221	4983	5915	7116	8547	10411	12580
-20°	2251	2591	2990	3464	4033	4760	5639	6706	8031	9660	11606



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2187	2509	2884	3335	3881	4543	5340	6296	7462	8846	10598
-25°	2122	2427	2784	3201	3705	4303	5012	5850	6911	8154	9643
-27.5°	2052	2345	2673	3060	3511	4056	4707	5469	6354	7404	8658
-30°	1981	2251	2556	2908	3330	3828	4402	5041	5792	6724	7796
-32.5°	1905	2163	2444	2767	3142	3582	4080	4654	5305	6044	6946
-35°	1829	2063	2327	2620	2960	3347	3787	4273	4824	5469	6190
-37.5°	1753	1964	2204	2474	2779	3113	3505	3922	4396	4930	5522
-40°	1671	1864	2087	2333	2597	2884	3224	3582	3992	4432	4924
-42.5°	1600	1770	1970	2175	2421	2679	2954	3283	3617	3986	4385
-45°	1518	1677	1852	2046	2245	2474	2726	2984	3283	3582	3910
-47.5°	1436	1583	1747	1905	2087	2280	2491	2726	2960	3224	3505
-50°	1360	1495	1630	1776	1934	2099	2280	2474	2685	2896	3119
-52.5°	1278	1401	1524	1647	1788	1929	2081	2245	2421	2603	2784
-55°	1196	1313	1419	1530	1641	1770	1899	2040	2175	2333	2480
-57.5°	1120	1219	1313	1413	1512	1612	1729	1841	1964	2087	2204
-60°	1049	1131	1213	1301	1389	1477	1559	1659	1764	1858	1964
-62.5°	979	1043	1114	1184	1260	1337	1413	1489	1577	1659	1741
-65°	903	961	1020	1079	1143	1208	1272	1331	1395	1471	1536
-67.5°	827	879	926	979	1026	1079	1131	1184	1237	1296	1354
-70°	756	791	838	879	914	950	991	1038	1084	1137	1184
-72.5°	680	709	745	786	803	815	844	879	926	979	1026
-75°	586	627	645	668	680	674	674	686	733	797	856
-77.5°	481	510	533	557	551	545	533	522	563	616	668
-80°	375	399	422	440	440	422	405	381	422	475	528
-82.5°	287	305	317	328	328	317	305	287	322	358	399
-85°	193	211	217	229	223	211	205	193	217	240	270
-87.5°	100	106	111	111	111	106	100	94	106	117	129
-90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	147	147	147	147	141	147	147	152	158	141	123
85°	293	299	299	299	299	299	299	299	299	270	240
82.5°	440	457	469	487	498	498	492	487	475	428	375
80°	580	610	627	645	662	657	651	639	633	575	516
77.5°	721	756	780	797	815	821	815	815	809	756	692
75°	903	932	956	979	1002	1014	1020	1020	1020	973	914
72.5°	1067	1102	1137	1172	1202	1219	1237	1249	1260	1237	1202
70°	1237	1278	1319	1360	1401	1430	1454	1477	1489	1495	1495
67.5°	1413	1466	1518	1571	1618	1659	1688	1718	1741	1764	1776
65°	1606	1677	1741	1800	1852	1905	1946	1987	2022	2052	2069
62.5°	1823	1905	1981	2058	2116	2181	2245	2304	2351	2392	2421
60°	2063	2163	2257	2351	2444	2521	2603	2673	2732	2784	2831
57.5°	2333	2456	2573	2696	2802	2902	3001	3101	3189	3259	3318
55°	2632	2784	2937	3083	3230	3365	3494	3623	3740	3834	3916
52.5°	2978	3160	3353	3535	3734	3910	4074	4250	4408	4549	4666
50°	3347	3582	3834	4068	4326	4572	4795	5018	5241	5434	5592
47.5°	3781	4062	4391	4713	5029	5364	5674	5967	6272	6530	6747
45°	4250	4643	5029	5463	5862	6313	6741	7169	7544	7919	8236
42.5°	4807	5299	5792	6348	6894	7462	8066	8605	9168	9719	10176
40°	5469	6049	6729	7398	8154	8869	9725	10481	11196	11894	12486
37.5°	6196	6964	7802	8652	9678	10686	11689	12638	13488	14268	14889
35°	7034	8001	8998	10235	11454	12685	13834	14913	15880	16671	17328
32.5°	7996	9139	10516	11952	13365	14731	16102	17169	18178	19080	19854
30°	9016	10504	12111	13717	15258	16741	18125	19409	20581	21595	22463
27.5°	10211	11935	13723	15446	17099	18699	20270	21736	23019	24086	25165
25°	11395	13371	15282	17105	18893	20681	22410	24057	25558	26865	28031
22.5°	12644	14707	16724	18658	20686	22633	24526	26402	28125	29632	30945
20°	13799	16015	18072	20229	22427	24538	26666	28694	30616	32434	33928
17.5°	14830	17087	19332	21607	24004	26396	28705	30904	33096	35212	37076
15°	15751	18119	20423	22902	25487	28061	30634	33055	35523	37867	39954
12.5°	16566	19010	21460	24098	26800	29479	32299	35112	37850	40376	42639
10°	17240	19778	22404	25136	27943	30775	33811	36935	39866	42551	45013
7.5°	17750	20358	23102	25939	28899	31929	35101	38284	41385	44269	46848
5°	18113	20745	23565	26460	29544	32709	36091	39485	42651	45634	48272
2.5°	18441	21091	23963	26748	29890	33172	36560	40077	43313	46379	49316
0°	18529	21232	24133	26994	30048	33342	36795	40230	43548	46877	49638
-2.5°	18441	21091	23963	26748	29890	33172	36560	40077	43313	46379	49316
-5°	18113	20745	23565	26460	29544	32709	36091	39485	42651	45634	48272
-7.5°	17750	20358	23102	25939	28899	31929	35101	38284	41385	44269	46848
-10°	17240	19778	22404	25136	27943	30775	33811	36935	39866	42551	45013
-12.5°	16566	19010	21460	24098	26800	29479	32299	35112	37850	40376	42639
-15°	15751	18119	20423	22902	25487	28061	30634	33055	35523	37867	39954
-17.5°	14830	17087	19332	21607	24004	26396	28705	30904	33096	35212	37076
-20°	13799	16015	18072	20229	22427	24538	26666	28694	30616	32434	33928



REPORT NUMBER: P621391
 CATALOG NUMBER: EPH-VN-06-E-750-U-66

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	12644	14707	16724	18658	20686	22633	24526	26402	28125	29632	30945
-25°	11395	13371	15282	17105	18893	20681	22410	24057	25558	26865	28031
-27.5°	10211	11935	13723	15446	17099	18699	20270	21736	23019	24086	25165
-30°	9016	10504	12111	13717	15258	16741	18125	19409	20581	21595	22463
-32.5°	7996	9139	10516	11952	13365	14731	16102	17169	18178	19080	19854
-35°	7034	8001	8998	10235	11454	12685	13834	14913	15880	16671	17328
-37.5°	6196	6964	7802	8652	9678	10686	11689	12638	13488	14268	14889
-40°	5469	6049	6729	7398	8154	8869	9725	10481	11196	11894	12486
-42.5°	4807	5299	5792	6348	6894	7462	8066	8605	9168	9719	10176
-45°	4250	4643	5029	5463	5862	6313	6741	7169	7544	7919	8236
-47.5°	3781	4062	4391	4713	5029	5364	5674	5967	6272	6530	6747
-50°	3347	3582	3834	4068	4326	4572	4795	5018	5241	5434	5592
-52.5°	2978	3160	3353	3535	3734	3910	4074	4250	4408	4549	4666
-55°	2632	2784	2937	3083	3230	3365	3494	3623	3740	3834	3916
-57.5°	2333	2456	2573	2696	2802	2902	3001	3101	3189	3259	3318
-60°	2063	2163	2257	2351	2444	2521	2603	2673	2732	2784	2831
-62.5°	1823	1905	1981	2058	2116	2181	2245	2304	2351	2392	2421
-65°	1606	1677	1741	1800	1852	1905	1946	1987	2022	2052	2069
-67.5°	1413	1466	1518	1571	1618	1659	1688	1718	1741	1764	1776
-70°	1237	1278	1319	1360	1401	1430	1454	1477	1489	1495	1495
-72.5°	1067	1102	1137	1172	1202	1219	1237	1249	1260	1237	1202
-75°	903	932	956	979	1002	1014	1020	1020	1020	973	914
-77.5°	721	756	780	797	815	821	815	815	809	756	692
-80°	580	610	627	645	662	657	651	639	633	575	516
-82.5°	440	457	469	487	498	498	492	487	475	428	375
-85°	293	299	299	299	299	299	299	299	299	270	240
-87.5°	147	147	147	147	141	147	147	152	158	141	123
-90°	0	0	0	0	0	0	0	0	0	0	0



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 CATALOG NUMBER: EPH-VN-06-E-750-U-66

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	100	82	76	65	76	82	100	123	141	158	152
85°	205	170	164	152	164	170	205	240	270	299	299
82.5°	328	270	258	246	258	270	328	375	428	475	487
80°	463	393	381	369	381	393	463	516	575	633	639
77.5°	627	563	539	522	539	563	627	692	756	809	815
75°	850	786	768	750	768	786	850	914	973	1020	1020
72.5°	1161	1131	1084	1043	1084	1131	1161	1202	1237	1260	1249
70°	1501	1512	1501	1483	1501	1512	1501	1495	1495	1489	1477
67.5°	1782	1794	1794	1800	1794	1794	1782	1776	1764	1741	1718
65°	2087	2093	2110	2116	2110	2093	2087	2069	2052	2022	1987
62.5°	2439	2456	2468	2468	2468	2456	2439	2421	2392	2351	2304
60°	2861	2884	2913	2919	2913	2884	2861	2831	2784	2732	2673
57.5°	3365	3394	3435	3447	3435	3394	3365	3318	3259	3189	3101
55°	3974	4015	4039	4027	4039	4015	3974	3916	3834	3740	3623
52.5°	4766	4836	4883	4860	4883	4836	4766	4666	4549	4408	4250
50°	5721	5809	5868	5850	5868	5809	5721	5592	5434	5241	5018
47.5°	6917	7040	7140	7146	7140	7040	6917	6747	6530	6272	5967
45°	8488	8670	8805	8781	8805	8670	8488	8236	7919	7544	7169
42.5°	10528	10780	10979	10962	10979	10780	10528	10176	9719	9168	8605
40°	12925	13236	13500	13570	13500	13236	12925	12486	11894	11196	10481
37.5°	15393	15792	16126	16091	16126	15792	15393	14889	14268	13488	12638
35°	17873	18289	18617	18647	18617	18289	17873	17328	16671	15880	14913
32.5°	20470	20933	21320	21372	21320	20933	20470	19854	19080	18178	17169
30°	23178	23735	24198	24291	24198	23735	23178	22463	21595	20581	19409
27.5°	26027	26689	27129	27299	27129	26689	26027	25165	24086	23019	21736
25°	28963	29684	30177	30452	30177	29684	28963	28031	26865	25558	24057
22.5°	32029	32885	33524	33829	33524	32885	32029	30945	29632	28125	26402
20°	35194	36126	36871	37187	36871	36126	35194	33928	32434	30616	28694
17.5°	38418	39556	40382	40787	40382	39556	38418	37076	35212	33096	30904
15°	41549	42756	43653	44087	43653	42756	41549	39954	37867	35523	33055
12.5°	44450	45728	46625	47252	46625	45728	44450	42639	40376	37850	35112
10°	47041	48436	49345	49996	49345	48436	47041	45013	42551	39866	36935
7.5°	48981	50746	51772	52411	51772	50746	48981	46848	44269	41385	38284
5°	50470	52417	53349	53952	53349	52417	50470	48272	45634	42651	39485
2.5°	51561	53096	54263	54867	54263	53096	51561	49316	46379	43313	40077
0°	51989	53794	54621	55013	54621	53794	51989	49638	46877	43548	40230
-2.5°	51561	53096	54263	54867	54263	53096	51561	49316	46379	43313	40077
-5°	50470	52417	53349	53952	53349	52417	50470	48272	45634	42651	39485
-7.5°	48981	50746	51772	52411	51772	50746	48981	46848	44269	41385	38284
-10°	47041	48436	49345	49996	49345	48436	47041	45013	42551	39866	36935
-12.5°	44450	45728	46625	47252	46625	45728	44450	42639	40376	37850	35112
-15°	41549	42756	43653	44087	43653	42756	41549	39954	37867	35523	33055
-17.5°	38418	39556	40382	40787	40382	39556	38418	37076	35212	33096	30904
-20°	35194	36126	36871	37187	36871	36126	35194	33928	32434	30616	28694



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	32029	32885	33524	33829	33524	32885	32029	30945	29632	28125	26402
-25°	28963	29684	30177	30452	30177	29684	28963	28031	26865	25558	24057
-27.5°	26027	26689	27129	27299	27129	26689	26027	25165	24086	23019	21736
-30°	23178	23735	24198	24291	24198	23735	23178	22463	21595	20581	19409
-32.5°	20470	20933	21320	21372	21320	20933	20470	19854	19080	18178	17169
-35°	17873	18289	18617	18647	18617	18289	17873	17328	16671	15880	14913
-37.5°	15393	15792	16126	16091	16126	15792	15393	14889	14268	13488	12638
-40°	12925	13236	13500	13570	13500	13236	12925	12486	11894	11196	10481
-42.5°	10528	10780	10979	10962	10979	10780	10528	10176	9719	9168	8605
-45°	8488	8670	8805	8781	8805	8670	8488	8236	7919	7544	7169
-47.5°	6917	7040	7140	7146	7140	7040	6917	6747	6530	6272	5967
-50°	5721	5809	5868	5850	5868	5809	5721	5592	5434	5241	5018
-52.5°	4766	4836	4883	4860	4883	4836	4766	4666	4549	4408	4250
-55°	3974	4015	4039	4027	4039	4015	3974	3916	3834	3740	3623
-57.5°	3365	3394	3435	3447	3435	3394	3365	3318	3259	3189	3101
-60°	2861	2884	2913	2919	2913	2884	2861	2831	2784	2732	2673
-62.5°	2439	2456	2468	2468	2468	2456	2439	2421	2392	2351	2304
-65°	2087	2093	2110	2116	2110	2093	2087	2069	2052	2022	1987
-67.5°	1782	1794	1794	1800	1794	1794	1782	1776	1764	1741	1718
-70°	1501	1512	1501	1483	1501	1512	1501	1495	1495	1489	1477
-72.5°	1161	1131	1084	1043	1084	1131	1161	1202	1237	1260	1249
-75°	850	786	768	750	768	786	850	914	973	1020	1020
-77.5°	627	563	539	522	539	563	627	692	756	809	815
-80°	463	393	381	369	381	393	463	516	575	633	639
-82.5°	328	270	258	246	258	270	328	375	428	475	487
-85°	205	170	164	152	164	170	205	240	270	299	299
-87.5°	100	82	76	65	76	82	100	123	141	158	152
-90°	0	0	0	0	0	0	0	0	0	0	0



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 CATALOG NUMBER: EPH-VN-06-E-750-U-66

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	147	147	141	147	147	147	147	129	117	106	94
85°	299	299	299	299	299	299	293	270	240	217	193
82.5°	492	498	498	487	469	457	440	399	358	322	287
80°	651	657	662	645	627	610	580	528	475	422	381
77.5°	815	821	815	797	780	756	721	668	616	563	522
75°	1020	1014	1002	979	956	932	903	856	797	733	686
72.5°	1237	1219	1202	1172	1137	1102	1067	1026	979	926	879
70°	1454	1430	1401	1360	1319	1278	1237	1184	1137	1084	1038
67.5°	1688	1659	1618	1571	1518	1466	1413	1354	1296	1237	1184
65°	1946	1905	1852	1800	1741	1677	1606	1536	1471	1395	1331
62.5°	2245	2181	2116	2058	1981	1905	1823	1741	1659	1577	1489
60°	2603	2521	2444	2351	2257	2163	2063	1964	1858	1764	1659
57.5°	3001	2902	2802	2696	2573	2456	2333	2204	2087	1964	1841
55°	3494	3365	3230	3083	2937	2784	2632	2480	2333	2175	2040
52.5°	4074	3910	3734	3535	3353	3160	2978	2784	2603	2421	2245
50°	4795	4572	4326	4068	3834	3582	3347	3119	2896	2685	2474
47.5°	5674	5364	5029	4713	4391	4062	3781	3505	3224	2960	2726
45°	6741	6313	5862	5463	5029	4643	4250	3910	3582	3283	2984
42.5°	8066	7462	6894	6348	5792	5299	4807	4385	3986	3617	3283
40°	9725	8869	8154	7398	6729	6049	5469	4924	4432	3992	3582
37.5°	11689	10686	9678	8652	7802	6964	6196	5522	4930	4396	3922
35°	13834	12685	11454	10235	8998	8001	7034	6190	5469	4824	4273
32.5°	16102	14731	13365	11952	10516	9139	7996	6946	6044	5305	4654
30°	18125	16741	15258	13717	12111	10504	9016	7796	6724	5792	5041
27.5°	20270	18699	17099	15446	13723	11935	10211	8658	7404	6354	5469
25°	22410	20681	18893	17105	15282	13371	11395	9643	8154	6911	5850
22.5°	24526	22633	20686	18658	16724	14707	12644	10598	8846	7462	6296
20°	26666	24538	22427	20229	18072	16015	13799	11606	9660	8031	6706
17.5°	28705	26396	24004	21607	19332	17087	14830	12580	10411	8547	7116
15°	30634	28061	25487	22902	20423	18119	15751	13424	11120	9092	7474
12.5°	32299	29479	26800	24098	21460	19010	16566	14156	11788	9619	7837
10°	33811	30775	27943	25136	22404	19778	17240	14766	12333	10047	8130
7.5°	35101	31929	28899	25939	23102	20358	17750	15235	12755	10375	8359
5°	36091	32709	29544	26460	23565	20745	18113	15569	13054	10610	8506
2.5°	36560	33172	29890	26748	23963	21091	18441	15868	13306	10833	8664
0°	36795	33342	30048	26994	24133	21232	18529	15909	13301	10862	8676
-2.5°	36560	33172	29890	26748	23963	21091	18441	15868	13306	10833	8664
-5°	36091	32709	29544	26460	23565	20745	18113	15569	13054	10610	8506
-7.5°	35101	31929	28899	25939	23102	20358	17750	15235	12755	10375	8359
-10°	33811	30775	27943	25136	22404	19778	17240	14766	12333	10047	8130
-12.5°	32299	29479	26800	24098	21460	19010	16566	14156	11788	9619	7837
-15°	30634	28061	25487	22902	20423	18119	15751	13424	11120	9092	7474
-17.5°	28705	26396	24004	21607	19332	17087	14830	12580	10411	8547	7116
-20°	26666	24538	22427	20229	18072	16015	13799	11606	9660	8031	6706



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	24526	22633	20686	18658	16724	14707	12644	10598	8846	7462	6296
-25°	22410	20681	18893	17105	15282	13371	11395	9643	8154	6911	5850
-27.5°	20270	18699	17099	15446	13723	11935	10211	8658	7404	6354	5469
-30°	18125	16741	15258	13717	12111	10504	9016	7796	6724	5792	5041
-32.5°	16102	14731	13365	11952	10516	9139	7996	6946	6044	5305	4654
-35°	13834	12685	11454	10235	8998	8001	7034	6190	5469	4824	4273
-37.5°	11689	10686	9678	8652	7802	6964	6196	5522	4930	4396	3922
-40°	9725	8869	8154	7398	6729	6049	5469	4924	4432	3992	3582
-42.5°	8066	7462	6894	6348	5792	5299	4807	4385	3986	3617	3283
-45°	6741	6313	5862	5463	5029	4643	4250	3910	3582	3283	2984
-47.5°	5674	5364	5029	4713	4391	4062	3781	3505	3224	2960	2726
-50°	4795	4572	4326	4068	3834	3582	3347	3119	2896	2685	2474
-52.5°	4074	3910	3734	3535	3353	3160	2978	2784	2603	2421	2245
-55°	3494	3365	3230	3083	2937	2784	2632	2480	2333	2175	2040
-57.5°	3001	2902	2802	2696	2573	2456	2333	2204	2087	1964	1841
-60°	2603	2521	2444	2351	2257	2163	2063	1964	1858	1764	1659
-62.5°	2245	2181	2116	2058	1981	1905	1823	1741	1659	1577	1489
-65°	1946	1905	1852	1800	1741	1677	1606	1536	1471	1395	1331
-67.5°	1688	1659	1618	1571	1518	1466	1413	1354	1296	1237	1184
-70°	1454	1430	1401	1360	1319	1278	1237	1184	1137	1084	1038
-72.5°	1237	1219	1202	1172	1137	1102	1067	1026	979	926	879
-75°	1020	1014	1002	979	956	932	903	856	797	733	686
-77.5°	815	821	815	797	780	756	721	668	616	563	522
-80°	651	657	662	645	627	610	580	528	475	422	381
-82.5°	492	498	498	487	469	457	440	399	358	322	287
-85°	299	299	299	299	299	299	293	270	240	217	193
-87.5°	147	147	141	147	147	147	147	129	117	106	94
-90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0	0	0	0	0	0	0	0	0	0	0
87.5°	100	106	111	111	111	106	100	94	82	76	70
85°	205	211	223	229	217	211	193	182	170	152	141
82.5°	305	317	328	328	317	305	287	270	252	229	205
80°	405	422	440	440	422	399	375	352	328	299	270
77.5°	533	545	551	557	533	510	481	440	405	369	334
75°	674	674	680	668	645	627	586	539	487	440	393
72.5°	844	815	803	786	745	709	680	639	569	504	451
70°	991	950	914	879	838	791	756	703	645	569	504
67.5°	1131	1079	1026	979	926	879	827	762	698	627	557
65°	1272	1208	1143	1079	1020	961	903	827	750	680	604
62.5°	1413	1337	1260	1184	1114	1043	979	891	803	727	645
60°	1559	1477	1389	1301	1213	1131	1049	956	862	768	686
57.5°	1729	1612	1512	1413	1313	1219	1120	1020	920	821	721
55°	1899	1770	1641	1530	1419	1313	1196	1084	973	868	756
52.5°	2081	1929	1788	1647	1524	1401	1278	1161	1032	914	780
50°	2280	2099	1934	1776	1630	1495	1360	1225	1090	961	809
47.5°	2491	2280	2087	1905	1747	1583	1436	1296	1149	1014	838
45°	2726	2474	2245	2046	1852	1677	1518	1360	1208	1049	856
42.5°	2954	2679	2421	2175	1970	1770	1600	1430	1266	1079	885
40°	3224	2884	2597	2333	2087	1864	1671	1495	1325	1114	909
37.5°	3505	3113	2779	2474	2204	1964	1753	1553	1366	1149	932
35°	3787	3347	2960	2620	2327	2063	1829	1618	1407	1178	956
32.5°	4080	3582	3142	2767	2444	2163	1905	1677	1454	1213	973
30°	4402	3828	3330	2908	2556	2251	1981	1735	1501	1243	991
27.5°	4707	4056	3511	3060	2673	2345	2052	1794	1553	1272	1014
25°	5012	4303	3705	3201	2784	2427	2122	1847	1600	1307	1032
22.5°	5340	4543	3881	3335	2884	2509	2187	1905	1641	1342	1049
20°	5639	4760	4033	3464	2990	2591	2251	1952	1677	1378	1067
17.5°	5915	4983	4221	3599	3089	2667	2304	1993	1712	1407	1079
15°	6214	5205	4385	3716	3177	2732	2357	2034	1741	1436	1084
12.5°	6472	5393	4525	3822	3253	2784	2398	2063	1770	1466	1096
10°	6683	5545	4643	3904	3312	2831	2427	2093	1788	1483	1102
7.5°	6847	5663	4731	3969	3359	2866	2456	2110	1805	1501	1102
5°	6970	5751	4789	4015	3394	2896	2480	2128	1823	1524	1108
2.5°	7081	5844	4836	4056	3423	2919	2497	2140	1823	1518	1096
0°	7099	5862	4830	4056	3423	2925	2497	2140	1817	1512	1084
-2.5°	7081	5844	4836	4056	3423	2919	2497	2140	1823	1518	1096
-5°	6970	5751	4789	4015	3394	2896	2480	2128	1823	1524	1108
-7.5°	6847	5663	4731	3969	3359	2866	2456	2110	1805	1501	1102
-10°	6683	5545	4643	3904	3312	2831	2427	2093	1788	1483	1102
-12.5°	6472	5393	4525	3822	3253	2784	2398	2063	1770	1466	1096
-15°	6214	5205	4385	3716	3177	2732	2357	2034	1741	1436	1084
-17.5°	5915	4983	4221	3599	3089	2667	2304	1993	1712	1407	1079
-20°	5639	4760	4033	3464	2990	2591	2251	1952	1677	1378	1067



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5340	4543	3881	3335	2884	2509	2187	1905	1641	1342	1049
-25°	5012	4303	3705	3201	2784	2427	2122	1847	1600	1307	1032
-27.5°	4707	4056	3511	3060	2673	2345	2052	1794	1553	1272	1014
-30°	4402	3828	3330	2908	2556	2251	1981	1735	1501	1243	991
-32.5°	4080	3582	3142	2767	2444	2163	1905	1677	1454	1213	973
-35°	3787	3347	2960	2620	2327	2063	1829	1618	1407	1178	956
-37.5°	3505	3113	2779	2474	2204	1964	1753	1553	1366	1149	932
-40°	3224	2884	2597	2333	2087	1864	1671	1495	1325	1114	909
-42.5°	2954	2679	2421	2175	1970	1770	1600	1430	1266	1079	885
-45°	2726	2474	2245	2046	1852	1677	1518	1360	1208	1049	856
-47.5°	2491	2280	2087	1905	1747	1583	1436	1296	1149	1014	838
-50°	2280	2099	1934	1776	1630	1495	1360	1225	1090	961	809
-52.5°	2081	1929	1788	1647	1524	1401	1278	1161	1032	914	780
-55°	1899	1770	1641	1530	1419	1313	1196	1084	973	868	756
-57.5°	1729	1612	1512	1413	1313	1219	1120	1020	920	821	721
-60°	1559	1477	1389	1301	1213	1131	1049	956	862	768	686
-62.5°	1413	1337	1260	1184	1114	1043	979	891	803	727	645
-65°	1272	1208	1143	1079	1020	961	903	827	750	680	604
-67.5°	1131	1079	1026	979	926	879	827	762	698	627	557
-70°	991	950	914	879	838	791	756	703	645	569	504
-72.5°	844	815	803	786	745	709	680	639	569	504	451
-75°	674	674	680	668	645	627	586	539	487	440	393
-77.5°	533	545	551	557	533	510	481	440	405	369	334
-80°	405	422	440	440	422	399	375	352	328	299	270
-82.5°	305	317	328	328	317	305	287	270	252	229	205
-85°	205	211	223	229	217	211	193	182	170	152	141
-87.5°	100	106	111	111	111	106	100	94	82	76	70
-90°	0	0	0	0	0	0	0	0	0	0	0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0	0	0	0	0	0	0
87.5°	59	47	35	23	12	6	0
85°	123	94	65	41	23	12	0
82.5°	182	135	100	65	41	18	0
80°	240	182	129	88	53	23	0
77.5°	293	223	164	106	65	29	0
75°	340	258	193	129	76	35	0
72.5°	387	293	217	147	88	41	0
70°	434	328	240	170	100	47	0
67.5°	469	358	264	182	111	53	0
65°	498	387	281	193	123	53	0
62.5°	528	410	299	205	135	59	0
60°	563	434	322	217	141	65	0
57.5°	586	451	334	229	147	70	0
55°	610	475	346	240	158	76	0
52.5°	633	492	363	246	164	76	0
50°	651	510	375	252	170	82	0
47.5°	674	522	381	258	176	88	0
45°	692	539	393	264	182	88	0
42.5°	709	551	399	270	182	94	0
40°	727	557	410	281	188	100	0
37.5°	739	569	416	287	193	100	0
35°	745	575	422	293	199	106	0
32.5°	756	586	428	305	199	106	0
30°	774	586	428	311	205	106	0
27.5°	786	592	440	311	205	111	0
25°	791	592	446	317	211	111	0
22.5°	797	598	451	322	211	111	0
20°	803	604	457	328	217	117	0
17.5°	809	616	463	328	217	117	0
15°	821	621	463	328	217	123	0
12.5°	827	621	463	334	217	123	0
10°	832	627	463	334	223	117	0
7.5°	832	627	469	334	223	117	0
5°	832	633	463	334	217	117	0
2.5°	821	633	463	328	217	117	0
0°	815	627	457	328	217	117	0
-2.5°	821	633	463	328	217	117	0
-5°	832	633	463	334	217	117	0
-7.5°	832	627	469	334	223	117	0
-10°	832	627	463	334	223	117	0
-12.5°	827	621	463	334	217	123	0
-15°	821	621	463	328	217	123	0
-17.5°	809	616	463	328	217	117	0
-20°	803	604	457	328	217	117	0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	797	598	451	322	211	111	0
-25°	791	592	446	317	211	111	0
-27.5°	786	592	440	311	205	111	0
-30°	774	586	428	311	205	106	0
-32.5°	756	586	428	305	199	106	0
-35°	745	575	422	293	199	106	0
-37.5°	739	569	416	287	193	100	0
-40°	727	557	410	281	188	100	0
-42.5°	709	551	399	270	182	94	0
-45°	692	539	393	264	182	88	0
-47.5°	674	522	381	258	176	88	0
-50°	651	510	375	252	170	82	0
-52.5°	633	492	363	246	164	76	0
-55°	610	475	346	240	158	76	0
-57.5°	586	451	334	229	147	70	0
-60°	563	434	322	217	141	65	0
-62.5°	528	410	299	205	135	59	0
-65°	498	387	281	193	123	53	0
-67.5°	469	358	264	182	111	53	0
-70°	434	328	240	170	100	47	0
-72.5°	387	293	217	147	88	41	0
-75°	340	258	193	129	76	35	0
-77.5°	293	223	164	106	65	29	0
-80°	240	182	129	88	53	23	0
-82.5°	182	135	100	65	41	18	0
-85°	123	94	65	41	23	12	0
-87.5°	59	47	35	23	12	6	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)