

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: P621382

Luminaire Tested: **EPH-VN-07-E-735-U-66**

Issue Date: 09/19/2022

**Test Information**

Test Method: LM-79-2019  
Report Number: P621382  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 09/19/2022  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-VN-07-E-735-U-66  
Description: EPHESUS LUMAVISION FLOOD – Middle Tier Light Square Luminaire w/  
Nema 6 distribution lens  
Light Source: (112) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

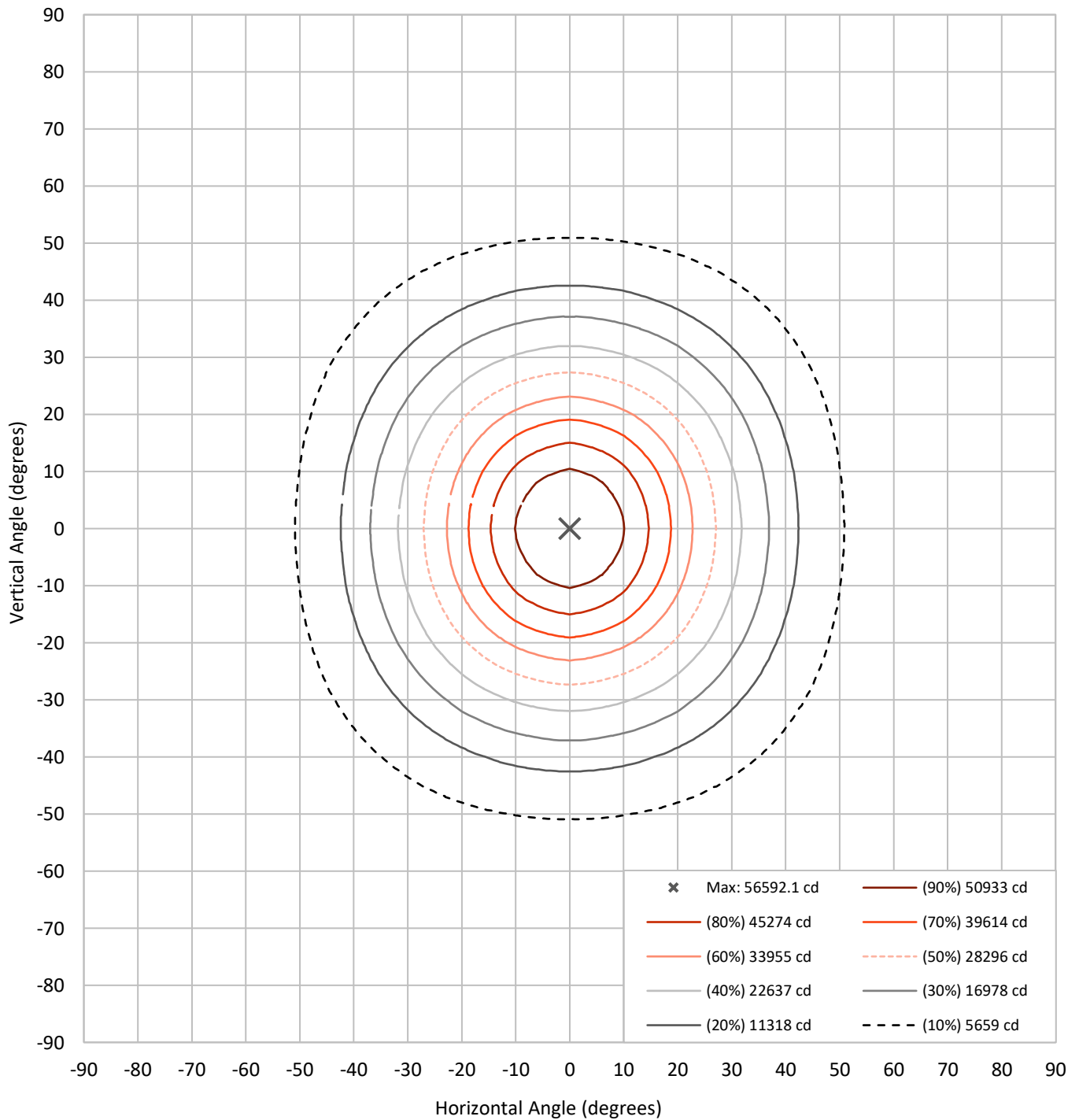
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	58695.4 lumens	Max Intensity:	56592.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	110.2 lumens/watt		
Luminous Opening:	Rectangular (W 1' x L: 0.5' x H: 0')		
Beam Angle (50%):	54.2°H x 54.7°V	Field Angle (10%):	101.7°H x 101.8°V
Beam Lumens:	28220.9 lumens	Field Lumens:	51511 lumens
Beam Efficiency:	48.1%	Field Efficiency:	87.8%

Input Watts (W): 532.7  
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



REPORT NUMBER: P621382  
CATALOG NUMBER: EPH-VN-07-E-735-U-66

### Iso-Candela Plot





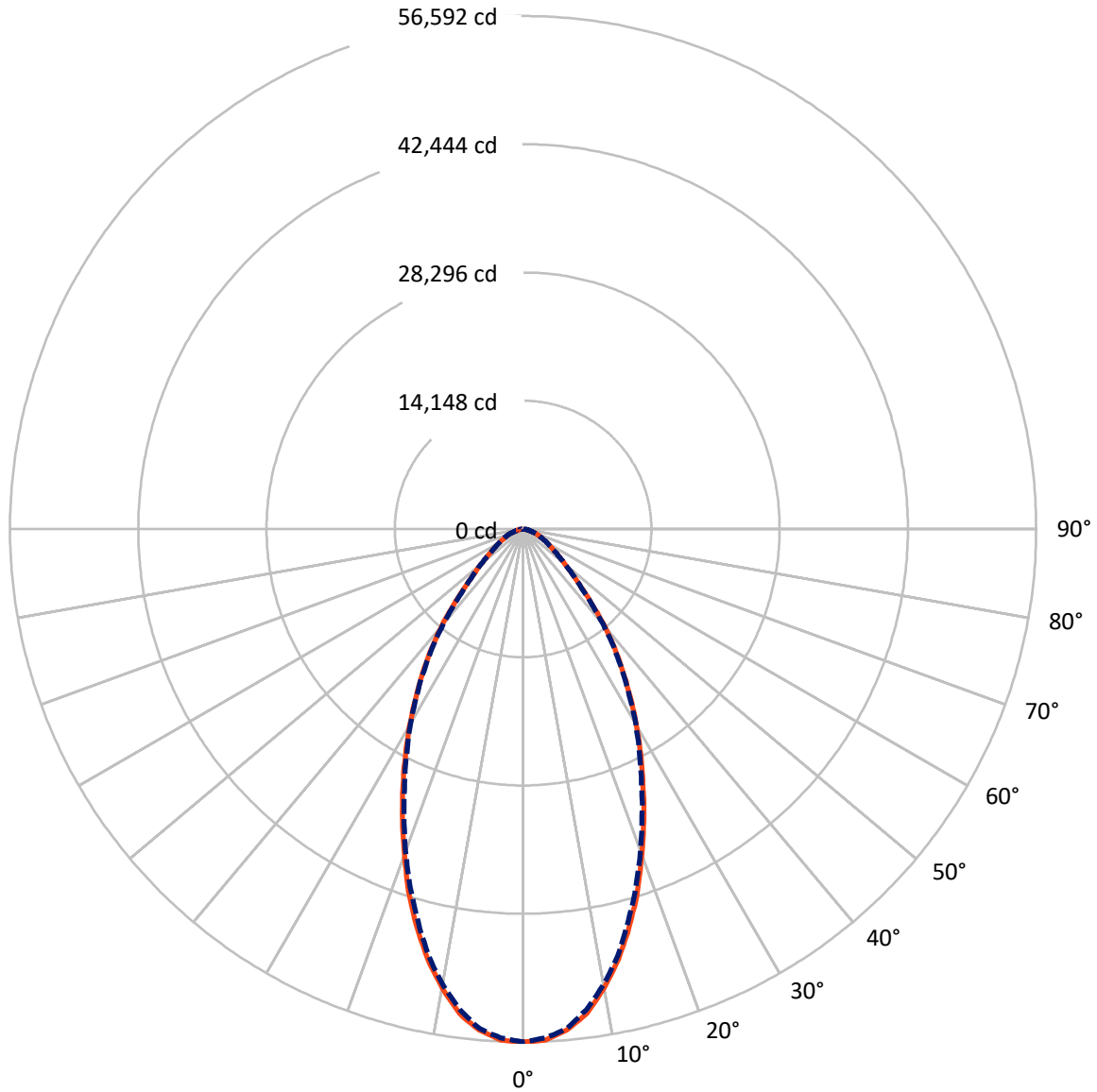
REPORT NUMBER: P621382  
 CATALOG NUMBER: EPH-VN-07-E-735-U-66

### Lumen Table

90																			
80	4.1	25.2		50.7		77.2		66.3		77.2		50.7		25.2		4.1			
70																			
60	10.4	11.0	19.5	29.8	41.6	53.2	62.0	66.5	66.5	62.0	53.2	41.6	29.8	19.5	11.0	10.4			
		14.6	27.7	45.6	68.4	93.2	115.5	128.9	128.9	115.5	93.2	68.4	45.6	27.7	14.6				
50																			
40	13.9	18.3	37.2	67.2	111.5	171.0	235.4	279.2	279.2	235.4	171.0	111.5	67.2	37.2	18.3	13.9			
		21.7	48.1	96.7	185.6	328.2	477.3	570.0	570.0	477.3	328.2	185.6	96.7	48.1	21.7				
30																			
20	16.0	25.0	59.1	134.1	297.0	535.9	769.8	923.9	923.9	769.8	535.9	297.0	134.1	59.1	25.0	16.0			
		27.6	69.0	172.5	404.5	721.6	1068.6	1319.4	1319.4	1068.6	721.6	404.5	172.5	69.0	27.6				
10																			
0	16.8	29.0	74.9	197.8	466.9	837.0	1274.6	1602.0	1602.0	1274.6	837.0	466.9	197.8	74.9	29.0	16.8			
		29.0	74.9	197.8	466.9	837.0	1274.6	1602.0	1602.0	1274.6	837.0	466.9	197.8	74.9	29.0				
-10																			
-20	16.0	27.6	69.0	172.5	404.5	721.6	1068.6	1319.4	1319.4	1068.6	721.6	404.5	172.5	69.0	27.6	16.0			
		25.0	59.1	134.1	297.0	535.9	769.8	923.9	923.9	769.8	535.9	297.0	134.1	59.1	25.0				
-30																			
-40	13.9	21.7	48.1	96.7	185.6	328.2	477.3	570.0	570.0	477.3	328.2	185.6	96.7	48.1	21.7	13.9			
		18.3	37.2	67.2	111.5	171.0	235.4	279.2	279.2	235.4	171.0	111.5	67.2	37.2	18.3				
-50																			
-60	10.4	14.6	27.7	45.6	68.4	93.2	115.5	128.9	128.9	115.5	93.2	68.4	45.6	27.7	14.6	10.4			
		11.0	19.5	29.8	41.6	53.2	62.0	66.5	66.5	62.0	53.2	41.6	29.8	19.5	11.0				
-70																			
-80	4.1	25.2		50.7		77.2		66.3		77.2		50.7		25.2		4.1			
-90																			

REPORT NUMBER: P621382  
CATALOG NUMBER: EPH-VN-07-E-735-U-66

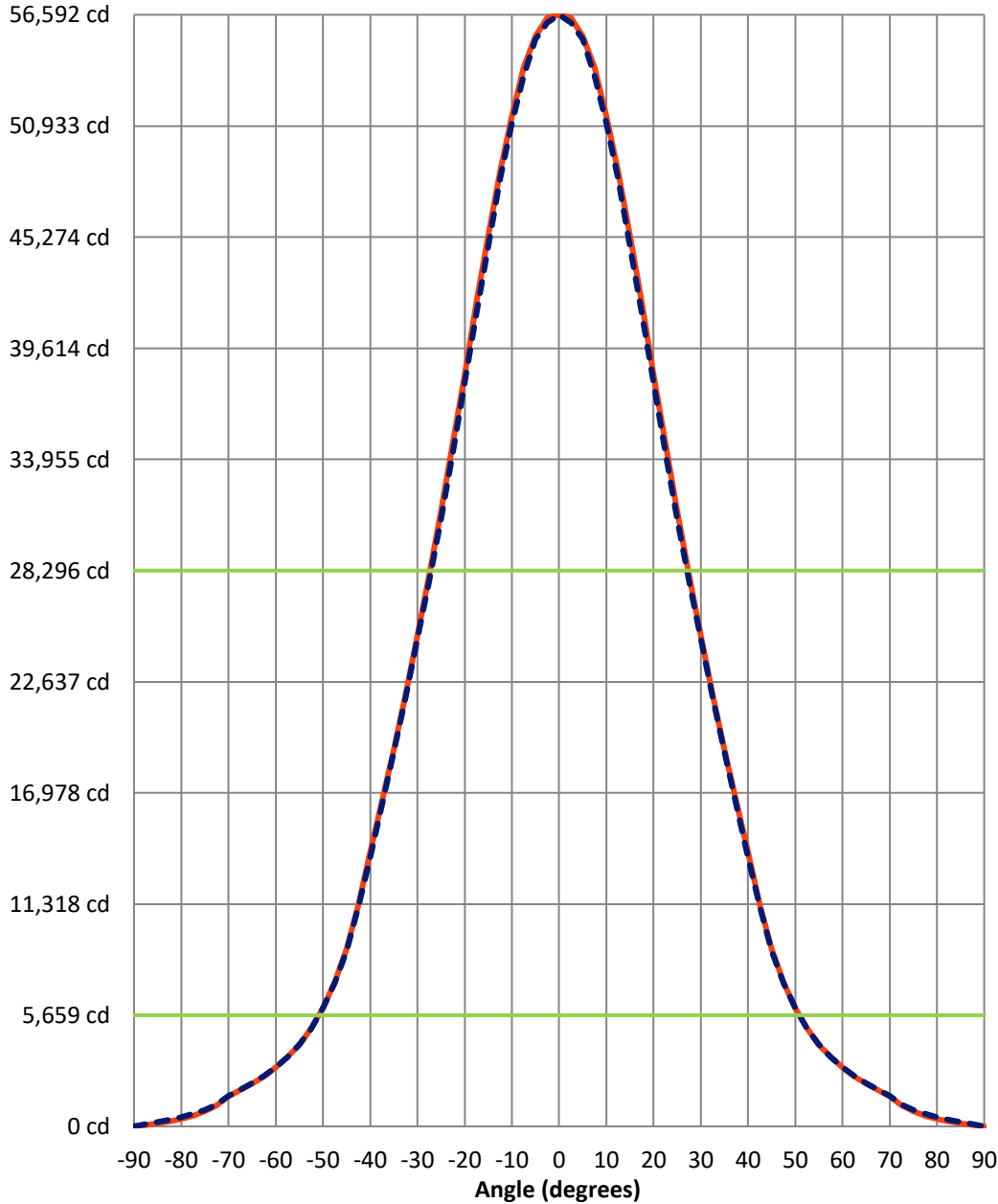
### Luminous Intensity Polar Plot



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

REPORT NUMBER: P621382  
CATALOG NUMBER: EPH-VN-07-E-735-U-66

### Luminous Intensity Plot



**Beam:**  
H Angle: 54.2°  
V Angle: 54.7°  
Lumens: 28220.9  
Efficiency: 48.1%

**Field:**  
H Angle: 101.7°  
V Angle: 101.8°  
Lumens: 51511  
Efficiency: 87.8%

**Spill:**  
Lumens: 7184.4  
Efficiency: 12.2%

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



REPORT NUMBER: P621382  
 CATALOG NUMBER: EPH-VN-07-E-735-U-66

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	24	36	48	60	72	78	84	97
85°	0	12	24	42	66	97	127	145	157	175	187
82.5°	0	18	42	66	103	139	187	211	235	259	277
80°	0	24	54	91	133	187	247	277	308	338	362
77.5°	0	30	66	109	169	229	302	344	380	416	452
75°	0	36	78	133	199	265	350	404	452	501	555
72.5°	0	42	91	151	223	302	398	464	519	585	657
70°	0	48	103	175	247	338	446	519	585	663	724
67.5°	0	54	115	187	271	368	482	573	645	718	784
65°	0	54	127	199	289	398	513	621	700	772	850
62.5°	0	60	139	211	308	422	543	663	748	826	917
60°	0	66	145	223	332	446	579	706	790	886	983
57.5°	0	72	151	235	344	464	603	742	844	947	1049
55°	0	78	163	247	356	488	627	778	892	1001	1116
52.5°	0	78	169	253	374	507	651	802	941	1061	1194
50°	0	84	175	259	386	525	669	832	989	1122	1260
47.5°	0	91	181	265	392	537	694	862	1043	1182	1333
45°	0	91	187	271	404	555	712	880	1079	1242	1399
42.5°	0	97	187	277	410	567	730	911	1110	1303	1471
40°	0	103	193	289	422	573	748	935	1146	1363	1538
37.5°	0	103	199	296	428	585	760	959	1182	1405	1598
35°	0	109	205	302	434	591	766	983	1212	1447	1664
32.5°	0	109	205	314	440	603	778	1001	1248	1496	1725
30°	0	109	211	320	440	603	796	1019	1278	1544	1785
27.5°	0	115	211	320	452	609	808	1043	1309	1598	1845
25°	0	115	217	326	458	609	814	1061	1345	1646	1900
22.5°	0	115	217	332	464	615	820	1079	1381	1688	1960
20°	0	121	223	338	470	621	826	1098	1417	1725	2008
17.5°	0	121	223	338	476	633	832	1110	1447	1761	2050
15°	0	127	223	338	476	639	844	1116	1477	1791	2092
12.5°	0	127	223	344	476	639	850	1128	1508	1821	2123
10°	0	121	229	344	476	645	856	1134	1526	1839	2153
7.5°	0	121	229	344	482	645	856	1134	1544	1857	2171
5°	0	121	223	344	476	651	856	1140	1568	1875	2189
2.5°	0	121	223	338	476	651	844	1128	1562	1875	2201
0°	0	121	223	338	470	645	838	1116	1556	1869	2201
-2.5°	0	121	223	338	476	651	844	1128	1562	1875	2201
-5°	0	121	223	344	476	651	856	1140	1568	1875	2189
-7.5°	0	121	229	344	482	645	856	1134	1544	1857	2171
-10°	0	121	229	344	476	645	856	1134	1526	1839	2153
-12.5°	0	127	223	344	476	639	850	1128	1508	1821	2123
-15°	0	127	223	338	476	639	844	1116	1477	1791	2092
-17.5°	0	121	223	338	476	633	832	1110	1447	1761	2050
-20°	0	121	223	338	470	621	826	1098	1417	1725	2008



REPORT NUMBER: P621382  
 CATALOG NUMBER: EPH-VN-07-E-735-U-66

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0	115	217	332	464	615	820	1079	1381	1688	1960
-25°	0	115	217	326	458	609	814	1061	1345	1646	1900
-27.5°	0	115	211	320	452	609	808	1043	1309	1598	1845
-30°	0	109	211	320	440	603	796	1019	1278	1544	1785
-32.5°	0	109	205	314	440	603	778	1001	1248	1496	1725
-35°	0	109	205	302	434	591	766	983	1212	1447	1664
-37.5°	0	103	199	296	428	585	760	959	1182	1405	1598
-40°	0	103	193	289	422	573	748	935	1146	1363	1538
-42.5°	0	97	187	277	410	567	730	911	1110	1303	1471
-45°	0	91	187	271	404	555	712	880	1079	1242	1399
-47.5°	0	91	181	265	392	537	694	862	1043	1182	1333
-50°	0	84	175	259	386	525	669	832	989	1122	1260
-52.5°	0	78	169	253	374	507	651	802	941	1061	1194
-55°	0	78	163	247	356	488	627	778	892	1001	1116
-57.5°	0	72	151	235	344	464	603	742	844	947	1049
-60°	0	66	145	223	332	446	579	706	790	886	983
-62.5°	0	60	139	211	308	422	543	663	748	826	917
-65°	0	54	127	199	289	398	513	621	700	772	850
-67.5°	0	54	115	187	271	368	482	573	645	718	784
-70°	0	48	103	175	247	338	446	519	585	663	724
-72.5°	0	42	91	151	223	302	398	464	519	585	657
-75°	0	36	78	133	199	265	350	404	452	501	555
-77.5°	0	30	66	109	169	229	302	344	380	416	452
-80°	0	24	54	91	133	187	247	277	308	338	362
-82.5°	0	18	42	66	103	139	187	211	235	259	277
-85°	0	12	24	42	66	97	127	145	157	175	187
-87.5°	0	6	12	24	36	48	60	72	78	84	97
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P621382  
 CATALOG NUMBER: EPH-VN-07-E-735-U-66

**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°	103	109	115	115	115	109	103	97	109	121	133
85°	199	217	223	235	229	217	211	199	223	247	277
82.5°	296	314	326	338	338	326	314	296	332	368	410
80°	386	410	434	452	452	434	416	392	434	488	543
77.5°	495	525	549	573	567	561	549	537	579	633	687
75°	603	645	663	687	700	694	694	706	754	820	880
72.5°	700	730	766	808	826	838	868	905	953	1007	1055
70°	778	814	862	905	941	977	1019	1067	1116	1170	1218
67.5°	850	905	953	1007	1055	1110	1164	1218	1272	1333	1393
65°	929	989	1049	1110	1176	1242	1309	1369	1435	1514	1580
62.5°	1007	1073	1146	1218	1297	1375	1453	1532	1622	1707	1791
60°	1079	1164	1248	1339	1429	1520	1604	1707	1815	1912	2020
57.5°	1152	1254	1351	1453	1556	1658	1779	1893	2020	2147	2267
55°	1230	1351	1459	1574	1688	1821	1954	2099	2237	2400	2551
52.5°	1315	1441	1568	1694	1839	1984	2141	2310	2490	2677	2864
50°	1399	1538	1676	1827	1990	2159	2346	2545	2762	2979	3208
47.5°	1477	1628	1797	1960	2147	2346	2563	2804	3045	3317	3606
45°	1562	1725	1906	2105	2310	2545	2804	3069	3377	3684	4022
42.5°	1646	1821	2026	2237	2490	2756	3039	3377	3721	4100	4511
40°	1719	1918	2147	2400	2671	2967	3317	3684	4107	4559	5065
37.5°	1803	2020	2267	2545	2858	3202	3606	4034	4523	5071	5680
35°	1881	2123	2394	2695	3045	3443	3895	4396	4963	5626	6368
32.5°	1960	2225	2515	2846	3232	3684	4197	4788	5457	6217	7146
30°	2038	2316	2629	2991	3425	3938	4529	5186	5958	6917	8020
27.5°	2111	2412	2750	3148	3612	4173	4842	5626	6537	7616	8906
25°	2183	2496	2864	3292	3811	4426	5156	6018	7109	8388	9920
22.5°	2249	2581	2967	3431	3992	4673	5493	6476	7676	9099	10902
20°	2316	2665	3075	3564	4149	4896	5801	6898	8261	9938	11940
17.5°	2370	2744	3178	3703	4342	5126	6084	7321	8792	10709	12941
15°	2424	2810	3268	3823	4511	5355	6392	7688	9353	11439	13809
12.5°	2466	2864	3347	3932	4655	5548	6657	8062	9895	12127	14563
10°	2496	2913	3407	4016	4776	5704	6874	8364	10336	12687	15190
7.5°	2527	2949	3455	4082	4866	5825	7043	8599	10673	13121	15672
5°	2551	2979	3491	4131	4927	5916	7170	8750	10914	13429	16016
2.5°	2569	3003	3522	4173	4975	6012	7284	8912	11144	13688	16323
0°	2569	3009	3522	4173	4969	6030	7302	8925	11174	13682	16366
-2.5°	2569	3003	3522	4173	4975	6012	7284	8912	11144	13688	16323
-5°	2551	2979	3491	4131	4927	5916	7170	8750	10914	13429	16016
-7.5°	2527	2949	3455	4082	4866	5825	7043	8599	10673	13121	15672
-10°	2496	2913	3407	4016	4776	5704	6874	8364	10336	12687	15190
-12.5°	2466	2864	3347	3932	4655	5548	6657	8062	9895	12127	14563
-15°	2424	2810	3268	3823	4511	5355	6392	7688	9353	11439	13809
-17.5°	2370	2744	3178	3703	4342	5126	6084	7321	8792	10709	12941
-20°	2316	2665	3075	3564	4149	4896	5801	6898	8261	9938	11940



REPORT NUMBER: P621382  
 CATALOG NUMBER: EPH-VN-07-E-735-U-66

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2249	2581	2967	3431	3992	4673	5493	6476	7676	9099	10902
-25°	2183	2496	2864	3292	3811	4426	5156	6018	7109	8388	9920
-27.5°	2111	2412	2750	3148	3612	4173	4842	5626	6537	7616	8906
-30°	2038	2316	2629	2991	3425	3938	4529	5186	5958	6917	8020
-32.5°	1960	2225	2515	2846	3232	3684	4197	4788	5457	6217	7146
-35°	1881	2123	2394	2695	3045	3443	3895	4396	4963	5626	6368
-37.5°	1803	2020	2267	2545	2858	3202	3606	4034	4523	5071	5680
-40°	1719	1918	2147	2400	2671	2967	3317	3684	4107	4559	5065
-42.5°	1646	1821	2026	2237	2490	2756	3039	3377	3721	4100	4511
-45°	1562	1725	1906	2105	2310	2545	2804	3069	3377	3684	4022
-47.5°	1477	1628	1797	1960	2147	2346	2563	2804	3045	3317	3606
-50°	1399	1538	1676	1827	1990	2159	2346	2545	2762	2979	3208
-52.5°	1315	1441	1568	1694	1839	1984	2141	2310	2490	2677	2864
-55°	1230	1351	1459	1574	1688	1821	1954	2099	2237	2400	2551
-57.5°	1152	1254	1351	1453	1556	1658	1779	1893	2020	2147	2267
-60°	1079	1164	1248	1339	1429	1520	1604	1707	1815	1912	2020
-62.5°	1007	1073	1146	1218	1297	1375	1453	1532	1622	1707	1791
-65°	929	989	1049	1110	1176	1242	1309	1369	1435	1514	1580
-67.5°	850	905	953	1007	1055	1110	1164	1218	1272	1333	1393
-70°	778	814	862	905	941	977	1019	1067	1116	1170	1218
-72.5°	700	730	766	808	826	838	868	905	953	1007	1055
-75°	603	645	663	687	700	694	694	706	754	820	880
-77.5°	495	525	549	573	567	561	549	537	579	633	687
-80°	386	410	434	452	452	434	416	392	434	488	543
-82.5°	296	314	326	338	338	326	314	296	332	368	410
-85°	199	217	223	235	229	217	211	199	223	247	277
-87.5°	103	109	115	115	115	109	103	97	109	121	133
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P621382  
 CATALOG NUMBER: EPH-VN-07-E-735-U-66

**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°	151	151	151	151	145	151	151	157	163	145	127
85°	302	308	308	308	308	308	308	308	308	277	247
82.5°	452	470	482	501	513	513	507	501	488	440	386
80°	597	627	645	663	681	675	669	657	651	591	531
77.5°	742	778	802	820	838	844	838	838	832	778	712
75°	929	959	983	1007	1031	1043	1049	1049	1049	1001	941
72.5°	1098	1134	1170	1206	1236	1254	1272	1284	1297	1272	1236
70°	1272	1315	1357	1399	1441	1471	1496	1520	1532	1538	1538
67.5°	1453	1508	1562	1616	1664	1707	1737	1767	1791	1815	1827
65°	1652	1725	1791	1851	1906	1960	2002	2044	2080	2111	2129
62.5°	1875	1960	2038	2117	2177	2243	2310	2370	2418	2460	2490
60°	2123	2225	2322	2418	2515	2593	2677	2750	2810	2864	2913
57.5°	2400	2527	2647	2774	2882	2985	3087	3190	3280	3353	3413
55°	2708	2864	3021	3172	3323	3461	3594	3727	3847	3944	4028
52.5°	3063	3250	3449	3636	3841	4022	4191	4372	4535	4679	4800
50°	3443	3684	3944	4185	4450	4703	4933	5162	5391	5590	5753
47.5°	3889	4179	4517	4848	5174	5518	5837	6139	6452	6718	6941
45°	4372	4776	5174	5620	6030	6494	6935	7375	7761	8147	8472
42.5°	4945	5451	5958	6531	7091	7676	8297	8852	9431	9998	10468
40°	5626	6223	6923	7610	8388	9124	10004	10782	11517	12235	12844
37.5°	6374	7164	8026	8900	9956	10993	12024	13001	13875	14677	15316
35°	7236	8231	9256	10529	11783	13049	14231	15341	16335	17150	17825
32.5°	8225	9401	10818	12295	13749	15154	16565	17662	18699	19628	20424
30°	9274	10806	12458	14110	15696	17222	18645	19966	21172	22215	23107
27.5°	10504	12277	14116	15889	17590	19236	20852	22360	23680	24778	25887
25°	11722	13755	15720	17596	19435	21274	23053	24747	26291	27636	28836
22.5°	13007	15129	17204	19194	21280	23282	25230	27159	28932	30482	31833
20°	14195	16474	18591	20810	23071	25242	27431	29517	31495	33364	34902
17.5°	15256	17578	19887	22227	24693	27153	29529	31791	34046	36223	38140
15°	16203	18639	21009	23560	26219	28866	31513	34004	36542	38954	41101
12.5°	17041	19556	22076	24790	27569	30325	33226	36120	38936	41535	43863
10°	17734	20345	23047	25857	28745	31658	34781	37995	41011	43772	46305
7.5°	18259	20942	23765	26683	29728	32846	36108	39382	42572	45539	48192
5°	18633	21340	24241	27220	30392	33648	37127	40619	43875	46944	49658
2.5°	18971	21696	24651	27515	30747	34124	37610	41228	44556	47710	50731
0°	19061	21841	24826	27768	30910	34299	37851	41384	44797	48222	51063
-2.5°	18971	21696	24651	27515	30747	34124	37610	41228	44556	47710	50731
-5°	18633	21340	24241	27220	30392	33648	37127	40619	43875	46944	49658
-7.5°	18259	20942	23765	26683	29728	32846	36108	39382	42572	45539	48192
-10°	17734	20345	23047	25857	28745	31658	34781	37995	41011	43772	46305
-12.5°	17041	19556	22076	24790	27569	30325	33226	36120	38936	41535	43863
-15°	16203	18639	21009	23560	26219	28866	31513	34004	36542	38954	41101
-17.5°	15256	17578	19887	22227	24693	27153	29529	31791	34046	36223	38140
-20°	14195	16474	18591	20810	23071	25242	27431	29517	31495	33364	34902



REPORT NUMBER: P621382  
 CATALOG NUMBER: EPH-VN-07-E-735-U-66

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	13007	15129	17204	19194	21280	23282	25230	27159	28932	30482	31833
-25°	11722	13755	15720	17596	19435	21274	23053	24747	26291	27636	28836
-27.5°	10504	12277	14116	15889	17590	19236	20852	22360	23680	24778	25887
-30°	9274	10806	12458	14110	15696	17222	18645	19966	21172	22215	23107
-32.5°	8225	9401	10818	12295	13749	15154	16565	17662	18699	19628	20424
-35°	7236	8231	9256	10529	11783	13049	14231	15341	16335	17150	17825
-37.5°	6374	7164	8026	8900	9956	10993	12024	13001	13875	14677	15316
-40°	5626	6223	6923	7610	8388	9124	10004	10782	11517	12235	12844
-42.5°	4945	5451	5958	6531	7091	7676	8297	8852	9431	9998	10468
-45°	4372	4776	5174	5620	6030	6494	6935	7375	7761	8147	8472
-47.5°	3889	4179	4517	4848	5174	5518	5837	6139	6452	6718	6941
-50°	3443	3684	3944	4185	4450	4703	4933	5162	5391	5590	5753
-52.5°	3063	3250	3449	3636	3841	4022	4191	4372	4535	4679	4800
-55°	2708	2864	3021	3172	3323	3461	3594	3727	3847	3944	4028
-57.5°	2400	2527	2647	2774	2882	2985	3087	3190	3280	3353	3413
-60°	2123	2225	2322	2418	2515	2593	2677	2750	2810	2864	2913
-62.5°	1875	1960	2038	2117	2177	2243	2310	2370	2418	2460	2490
-65°	1652	1725	1791	1851	1906	1960	2002	2044	2080	2111	2129
-67.5°	1453	1508	1562	1616	1664	1707	1737	1767	1791	1815	1827
-70°	1272	1315	1357	1399	1441	1471	1496	1520	1532	1538	1538
-72.5°	1098	1134	1170	1206	1236	1254	1272	1284	1297	1272	1236
-75°	929	959	983	1007	1031	1043	1049	1049	1049	1001	941
-77.5°	742	778	802	820	838	844	838	838	832	778	712
-80°	597	627	645	663	681	675	669	657	651	591	531
-82.5°	452	470	482	501	513	513	507	501	488	440	386
-85°	302	308	308	308	308	308	308	308	308	277	247
-87.5°	151	151	151	151	145	151	151	157	163	145	127
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P621382  
 CATALOG NUMBER: EPH-VN-07-E-735-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°	103	84	78	66	78	84	103	127	145	163	157
85°	211	175	169	157	169	175	211	247	277	308	308
82.5°	338	277	265	253	265	277	338	386	440	488	501
80°	476	404	392	380	392	404	476	531	591	651	657
77.5°	645	579	555	537	555	579	645	712	778	832	838
75°	874	808	790	772	790	808	874	941	1001	1049	1049
72.5°	1194	1164	1116	1073	1116	1164	1194	1236	1272	1297	1284
70°	1544	1556	1544	1526	1544	1556	1544	1538	1538	1532	1520
67.5°	1833	1845	1845	1851	1845	1845	1833	1827	1815	1791	1767
65°	2147	2153	2171	2177	2171	2153	2147	2129	2111	2080	2044
62.5°	2509	2527	2539	2539	2539	2527	2509	2490	2460	2418	2370
60°	2943	2967	2997	3003	2997	2967	2943	2913	2864	2810	2750
57.5°	3461	3491	3534	3546	3534	3491	3461	3413	3353	3280	3190
55°	4088	4131	4155	4143	4155	4131	4088	4028	3944	3847	3727
52.5°	4902	4975	5023	4999	5023	4975	4902	4800	4679	4535	4372
50°	5885	5976	6036	6018	6036	5976	5885	5753	5590	5391	5162
47.5°	7116	7242	7345	7351	7345	7242	7116	6941	6718	6452	6139
45°	8732	8919	9057	9033	9057	8919	8732	8472	8147	7761	7375
42.5°	10830	11089	11294	11276	11294	11089	10830	10468	9998	9431	8852
40°	13296	13616	13887	13960	13887	13616	13296	12844	12235	11517	10782
37.5°	15835	16245	16589	16553	16589	16245	15835	15316	14677	13875	13001
35°	18386	18814	19152	19182	19152	18814	18386	17825	17150	16335	15341
32.5°	21057	21533	21931	21986	21931	21533	21057	20424	19628	18699	17662
30°	23843	24416	24892	24989	24892	24416	23843	23107	22215	21172	19966
27.5°	26774	27455	27907	28082	27907	27455	26774	25887	24778	23680	22360
25°	29795	30536	31043	31326	31043	30536	29795	28836	27636	26291	24747
22.5°	32948	33829	34486	34800	34486	33829	32948	31833	30482	28932	27159
20°	36205	37163	37929	38255	37929	37163	36205	34902	33364	31495	29517
17.5°	39521	40691	41541	41957	41541	40691	39521	38140	36223	34046	31791
15°	42741	43983	44906	45352	44906	43983	42741	41101	38954	36542	34004
12.5°	45726	47041	47963	48608	47963	47041	45726	43863	41535	38936	36120
10°	48391	49826	50761	51430	50761	49826	48391	46305	43772	41011	37995
7.5°	50387	52202	53258	53915	53258	52202	50387	48192	45539	42572	39382
5°	51919	53921	54880	55501	54880	53921	51919	49658	46944	43875	40619
2.5°	53040	54620	55820	56441	55820	54620	53040	50731	47710	44556	41228
0°	53481	55338	56188	56592	56188	55338	53481	51063	48222	44797	41384
-2.5°	53040	54620	55820	56441	55820	54620	53040	50731	47710	44556	41228
-5°	51919	53921	54880	55501	54880	53921	51919	49658	46944	43875	40619
-7.5°	50387	52202	53258	53915	53258	52202	50387	48192	45539	42572	39382
-10°	48391	49826	50761	51430	50761	49826	48391	46305	43772	41011	37995
-12.5°	45726	47041	47963	48608	47963	47041	45726	43863	41535	38936	36120
-15°	42741	43983	44906	45352	44906	43983	42741	41101	38954	36542	34004
-17.5°	39521	40691	41541	41957	41541	40691	39521	38140	36223	34046	31791
-20°	36205	37163	37929	38255	37929	37163	36205	34902	33364	31495	29517



REPORT NUMBER: P621382  
 CATALOG NUMBER: EPH-VN-07-E-735-U-66

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	32948	33829	34486	34800	34486	33829	32948	31833	30482	28932	27159
-25°	29795	30536	31043	31326	31043	30536	29795	28836	27636	26291	24747
-27.5°	26774	27455	27907	28082	27907	27455	26774	25887	24778	23680	22360
-30°	23843	24416	24892	24989	24892	24416	23843	23107	22215	21172	19966
-32.5°	21057	21533	21931	21986	21931	21533	21057	20424	19628	18699	17662
-35°	18386	18814	19152	19182	19152	18814	18386	17825	17150	16335	15341
-37.5°	15835	16245	16589	16553	16589	16245	15835	15316	14677	13875	13001
-40°	13296	13616	13887	13960	13887	13616	13296	12844	12235	11517	10782
-42.5°	10830	11089	11294	11276	11294	11089	10830	10468	9998	9431	8852
-45°	8732	8919	9057	9033	9057	8919	8732	8472	8147	7761	7375
-47.5°	7116	7242	7345	7351	7345	7242	7116	6941	6718	6452	6139
-50°	5885	5976	6036	6018	6036	5976	5885	5753	5590	5391	5162
-52.5°	4902	4975	5023	4999	5023	4975	4902	4800	4679	4535	4372
-55°	4088	4131	4155	4143	4155	4131	4088	4028	3944	3847	3727
-57.5°	3461	3491	3534	3546	3534	3491	3461	3413	3353	3280	3190
-60°	2943	2967	2997	3003	2997	2967	2943	2913	2864	2810	2750
-62.5°	2509	2527	2539	2539	2539	2527	2509	2490	2460	2418	2370
-65°	2147	2153	2171	2177	2171	2153	2147	2129	2111	2080	2044
-67.5°	1833	1845	1845	1851	1845	1845	1833	1827	1815	1791	1767
-70°	1544	1556	1544	1526	1544	1556	1544	1538	1538	1532	1520
-72.5°	1194	1164	1116	1073	1116	1164	1194	1236	1272	1297	1284
-75°	874	808	790	772	790	808	874	941	1001	1049	1049
-77.5°	645	579	555	537	555	579	645	712	778	832	838
-80°	476	404	392	380	392	404	476	531	591	651	657
-82.5°	338	277	265	253	265	277	338	386	440	488	501
-85°	211	175	169	157	169	175	211	247	277	308	308
-87.5°	103	84	78	66	78	84	103	127	145	163	157
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P621382  
 CATALOG NUMBER: EPH-VN-07-E-735-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°	151	151	145	151	151	151	151	133	121	109	97
85°	308	308	308	308	308	308	302	277	247	223	199
82.5°	507	513	513	501	482	470	452	410	368	332	296
80°	669	675	681	663	645	627	597	543	488	434	392
77.5°	838	844	838	820	802	778	742	687	633	579	537
75°	1049	1043	1031	1007	983	959	929	880	820	754	706
72.5°	1272	1254	1236	1206	1170	1134	1098	1055	1007	953	905
70°	1496	1471	1441	1399	1357	1315	1272	1218	1170	1116	1067
67.5°	1737	1707	1664	1616	1562	1508	1453	1393	1333	1272	1218
65°	2002	1960	1906	1851	1791	1725	1652	1580	1514	1435	1369
62.5°	2310	2243	2177	2117	2038	1960	1875	1791	1707	1622	1532
60°	2677	2593	2515	2418	2322	2225	2123	2020	1912	1815	1707
57.5°	3087	2985	2882	2774	2647	2527	2400	2267	2147	2020	1893
55°	3594	3461	3323	3172	3021	2864	2708	2551	2400	2237	2099
52.5°	4191	4022	3841	3636	3449	3250	3063	2864	2677	2490	2310
50°	4933	4703	4450	4185	3944	3684	3443	3208	2979	2762	2545
47.5°	5837	5518	5174	4848	4517	4179	3889	3606	3317	3045	2804
45°	6935	6494	6030	5620	5174	4776	4372	4022	3684	3377	3069
42.5°	8297	7676	7091	6531	5958	5451	4945	4511	4100	3721	3377
40°	10004	9124	8388	7610	6923	6223	5626	5065	4559	4107	3684
37.5°	12024	10993	9956	8900	8026	7164	6374	5680	5071	4523	4034
35°	14231	13049	11783	10529	9256	8231	7236	6368	5626	4963	4396
32.5°	16565	15154	13749	12295	10818	9401	8225	7146	6217	5457	4788
30°	18645	17222	15696	14110	12458	10806	9274	8020	6917	5958	5186
27.5°	20852	19236	17590	15889	14116	12277	10504	8906	7616	6537	5626
25°	23053	21274	19435	17596	15720	13755	11722	9920	8388	7109	6018
22.5°	25230	23282	21280	19194	17204	15129	13007	10902	9099	7676	6476
20°	27431	25242	23071	20810	18591	16474	14195	11940	9938	8261	6898
17.5°	29529	27153	24693	22227	19887	17578	15256	12941	10709	8792	7321
15°	31513	28866	26219	23560	21009	18639	16203	13809	11439	9353	7688
12.5°	33226	30325	27569	24790	22076	19556	17041	14563	12127	9895	8062
10°	34781	31658	28745	25857	23047	20345	17734	15190	12687	10336	8364
7.5°	36108	32846	29728	26683	23765	20942	18259	15672	13121	10673	8599
5°	37127	33648	30392	27220	24241	21340	18633	16016	13429	10914	8750
2.5°	37610	34124	30747	27515	24651	21696	18971	16323	13688	11144	8912
0°	37851	34299	30910	27768	24826	21841	19061	16366	13682	11174	8925
-2.5°	37610	34124	30747	27515	24651	21696	18971	16323	13688	11144	8912
-5°	37127	33648	30392	27220	24241	21340	18633	16016	13429	10914	8750
-7.5°	36108	32846	29728	26683	23765	20942	18259	15672	13121	10673	8599
-10°	34781	31658	28745	25857	23047	20345	17734	15190	12687	10336	8364
-12.5°	33226	30325	27569	24790	22076	19556	17041	14563	12127	9895	8062
-15°	31513	28866	26219	23560	21009	18639	16203	13809	11439	9353	7688
-17.5°	29529	27153	24693	22227	19887	17578	15256	12941	10709	8792	7321
-20°	27431	25242	23071	20810	18591	16474	14195	11940	9938	8261	6898



REPORT NUMBER: P621382  
 CATALOG NUMBER: EPH-VN-07-E-735-U-66

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	25230	23282	21280	19194	17204	15129	13007	10902	9099	7676	6476
-25°	23053	21274	19435	17596	15720	13755	11722	9920	8388	7109	6018
-27.5°	20852	19236	17590	15889	14116	12277	10504	8906	7616	6537	5626
-30°	18645	17222	15696	14110	12458	10806	9274	8020	6917	5958	5186
-32.5°	16565	15154	13749	12295	10818	9401	8225	7146	6217	5457	4788
-35°	14231	13049	11783	10529	9256	8231	7236	6368	5626	4963	4396
-37.5°	12024	10993	9956	8900	8026	7164	6374	5680	5071	4523	4034
-40°	10004	9124	8388	7610	6923	6223	5626	5065	4559	4107	3684
-42.5°	8297	7676	7091	6531	5958	5451	4945	4511	4100	3721	3377
-45°	6935	6494	6030	5620	5174	4776	4372	4022	3684	3377	3069
-47.5°	5837	5518	5174	4848	4517	4179	3889	3606	3317	3045	2804
-50°	4933	4703	4450	4185	3944	3684	3443	3208	2979	2762	2545
-52.5°	4191	4022	3841	3636	3449	3250	3063	2864	2677	2490	2310
-55°	3594	3461	3323	3172	3021	2864	2708	2551	2400	2237	2099
-57.5°	3087	2985	2882	2774	2647	2527	2400	2267	2147	2020	1893
-60°	2677	2593	2515	2418	2322	2225	2123	2020	1912	1815	1707
-62.5°	2310	2243	2177	2117	2038	1960	1875	1791	1707	1622	1532
-65°	2002	1960	1906	1851	1791	1725	1652	1580	1514	1435	1369
-67.5°	1737	1707	1664	1616	1562	1508	1453	1393	1333	1272	1218
-70°	1496	1471	1441	1399	1357	1315	1272	1218	1170	1116	1067
-72.5°	1272	1254	1236	1206	1170	1134	1098	1055	1007	953	905
-75°	1049	1043	1031	1007	983	959	929	880	820	754	706
-77.5°	838	844	838	820	802	778	742	687	633	579	537
-80°	669	675	681	663	645	627	597	543	488	434	392
-82.5°	507	513	513	501	482	470	452	410	368	332	296
-85°	308	308	308	308	308	308	302	277	247	223	199
-87.5°	151	151	145	151	151	151	151	133	121	109	97
-90°	0	0	0	0	0	0	0	0	0	0	0





REPORT NUMBER: P621382  
 CATALOG NUMBER: EPH-VN-07-E-735-U-66

**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°	103	109	115	115	115	109	103	97	84	78	72
85°	211	217	229	235	223	217	199	187	175	157	145
82.5°	314	326	338	338	326	314	296	277	259	235	211
80°	416	434	452	452	434	410	386	362	338	308	277
77.5°	549	561	567	573	549	525	495	452	416	380	344
75°	694	694	700	687	663	645	603	555	501	452	404
72.5°	868	838	826	808	766	730	700	657	585	519	464
70°	1019	977	941	905	862	814	778	724	663	585	519
67.5°	1164	1110	1055	1007	953	905	850	784	718	645	573
65°	1309	1242	1176	1110	1049	989	929	850	772	700	621
62.5°	1453	1375	1297	1218	1146	1073	1007	917	826	748	663
60°	1604	1520	1429	1339	1248	1164	1079	983	886	790	706
57.5°	1779	1658	1556	1453	1351	1254	1152	1049	947	844	742
55°	1954	1821	1688	1574	1459	1351	1230	1116	1001	892	778
52.5°	2141	1984	1839	1694	1568	1441	1315	1194	1061	941	802
50°	2346	2159	1990	1827	1676	1538	1399	1260	1122	989	832
47.5°	2563	2346	2147	1960	1797	1628	1477	1333	1182	1043	862
45°	2804	2545	2310	2105	1906	1725	1562	1399	1242	1079	880
42.5°	3039	2756	2490	2237	2026	1821	1646	1471	1303	1110	911
40°	3317	2967	2671	2400	2147	1918	1719	1538	1363	1146	935
37.5°	3606	3202	2858	2545	2267	2020	1803	1598	1405	1182	959
35°	3895	3443	3045	2695	2394	2123	1881	1664	1447	1212	983
32.5°	4197	3684	3232	2846	2515	2225	1960	1725	1496	1248	1001
30°	4529	3938	3425	2991	2629	2316	2038	1785	1544	1278	1019
27.5°	4842	4173	3612	3148	2750	2412	2111	1845	1598	1309	1043
25°	5156	4426	3811	3292	2864	2496	2183	1900	1646	1345	1061
22.5°	5493	4673	3992	3431	2967	2581	2249	1960	1688	1381	1079
20°	5801	4896	4149	3564	3075	2665	2316	2008	1725	1417	1098
17.5°	6084	5126	4342	3703	3178	2744	2370	2050	1761	1447	1110
15°	6392	5355	4511	3823	3268	2810	2424	2092	1791	1477	1116
12.5°	6657	5548	4655	3932	3347	2864	2466	2123	1821	1508	1128
10°	6874	5704	4776	4016	3407	2913	2496	2153	1839	1526	1134
7.5°	7043	5825	4866	4082	3455	2949	2527	2171	1857	1544	1134
5°	7170	5916	4927	4131	3491	2979	2551	2189	1875	1568	1140
2.5°	7284	6012	4975	4173	3522	3003	2569	2201	1875	1562	1128
0°	7302	6030	4969	4173	3522	3009	2569	2201	1869	1556	1116
-2.5°	7284	6012	4975	4173	3522	3003	2569	2201	1875	1562	1128
-5°	7170	5916	4927	4131	3491	2979	2551	2189	1875	1568	1140
-7.5°	7043	5825	4866	4082	3455	2949	2527	2171	1857	1544	1134
-10°	6874	5704	4776	4016	3407	2913	2496	2153	1839	1526	1134
-12.5°	6657	5548	4655	3932	3347	2864	2466	2123	1821	1508	1128
-15°	6392	5355	4511	3823	3268	2810	2424	2092	1791	1477	1116
-17.5°	6084	5126	4342	3703	3178	2744	2370	2050	1761	1447	1110
-20°	5801	4896	4149	3564	3075	2665	2316	2008	1725	1417	1098



REPORT NUMBER: P621382  
 CATALOG NUMBER: EPH-VN-07-E-735-U-66

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5493	4673	3992	3431	2967	2581	2249	1960	1688	1381	1079
-25°	5156	4426	3811	3292	2864	2496	2183	1900	1646	1345	1061
-27.5°	4842	4173	3612	3148	2750	2412	2111	1845	1598	1309	1043
-30°	4529	3938	3425	2991	2629	2316	2038	1785	1544	1278	1019
-32.5°	4197	3684	3232	2846	2515	2225	1960	1725	1496	1248	1001
-35°	3895	3443	3045	2695	2394	2123	1881	1664	1447	1212	983
-37.5°	3606	3202	2858	2545	2267	2020	1803	1598	1405	1182	959
-40°	3317	2967	2671	2400	2147	1918	1719	1538	1363	1146	935
-42.5°	3039	2756	2490	2237	2026	1821	1646	1471	1303	1110	911
-45°	2804	2545	2310	2105	1906	1725	1562	1399	1242	1079	880
-47.5°	2563	2346	2147	1960	1797	1628	1477	1333	1182	1043	862
-50°	2346	2159	1990	1827	1676	1538	1399	1260	1122	989	832
-52.5°	2141	1984	1839	1694	1568	1441	1315	1194	1061	941	802
-55°	1954	1821	1688	1574	1459	1351	1230	1116	1001	892	778
-57.5°	1779	1658	1556	1453	1351	1254	1152	1049	947	844	742
-60°	1604	1520	1429	1339	1248	1164	1079	983	886	790	706
-62.5°	1453	1375	1297	1218	1146	1073	1007	917	826	748	663
-65°	1309	1242	1176	1110	1049	989	929	850	772	700	621
-67.5°	1164	1110	1055	1007	953	905	850	784	718	645	573
-70°	1019	977	941	905	862	814	778	724	663	585	519
-72.5°	868	838	826	808	766	730	700	657	585	519	464
-75°	694	694	700	687	663	645	603	555	501	452	404
-77.5°	549	561	567	573	549	525	495	452	416	380	344
-80°	416	434	452	452	434	410	386	362	338	308	277
-82.5°	314	326	338	338	326	314	296	277	259	235	211
-85°	211	217	229	235	223	217	199	187	175	157	145
-87.5°	103	109	115	115	115	109	103	97	84	78	72
-90°	0	0	0	0	0	0	0	0	0	0	0



REPORT NUMBER: P621382  
 CATALOG NUMBER: EPH-VN-07-E-735-U-66

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0	0	0	0	0	0	0
87.5°	60	48	36	24	12	6	0
85°	127	97	66	42	24	12	0
82.5°	187	139	103	66	42	18	0
80°	247	187	133	91	54	24	0
77.5°	302	229	169	109	66	30	0
75°	350	265	199	133	78	36	0
72.5°	398	302	223	151	91	42	0
70°	446	338	247	175	103	48	0
67.5°	482	368	271	187	115	54	0
65°	513	398	289	199	127	54	0
62.5°	543	422	308	211	139	60	0
60°	579	446	332	223	145	66	0
57.5°	603	464	344	235	151	72	0
55°	627	488	356	247	163	78	0
52.5°	651	507	374	253	169	78	0
50°	669	525	386	259	175	84	0
47.5°	694	537	392	265	181	91	0
45°	712	555	404	271	187	91	0
42.5°	730	567	410	277	187	97	0
40°	748	573	422	289	193	103	0
37.5°	760	585	428	296	199	103	0
35°	766	591	434	302	205	109	0
32.5°	778	603	440	314	205	109	0
30°	796	603	440	320	211	109	0
27.5°	808	609	452	320	211	115	0
25°	814	609	458	326	217	115	0
22.5°	820	615	464	332	217	115	0
20°	826	621	470	338	223	121	0
17.5°	832	633	476	338	223	121	0
15°	844	639	476	338	223	127	0
12.5°	850	639	476	344	223	127	0
10°	856	645	476	344	229	121	0
7.5°	856	645	482	344	229	121	0
5°	856	651	476	344	223	121	0
2.5°	844	651	476	338	223	121	0
0°	838	645	470	338	223	121	0
-2.5°	844	651	476	338	223	121	0
-5°	856	651	476	344	223	121	0
-7.5°	856	645	482	344	229	121	0
-10°	856	645	476	344	229	121	0
-12.5°	850	639	476	344	223	127	0
-15°	844	639	476	338	223	127	0
-17.5°	832	633	476	338	223	121	0
-20°	826	621	470	338	223	121	0



REPORT NUMBER: P621382  
 CATALOG NUMBER: EPH-VN-07-E-735-U-66

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	820	615	464	332	217	115	0
-25°	814	609	458	326	217	115	0
-27.5°	808	609	452	320	211	115	0
-30°	796	603	440	320	211	109	0
-32.5°	778	603	440	314	205	109	0
-35°	766	591	434	302	205	109	0
-37.5°	760	585	428	296	199	103	0
-40°	748	573	422	289	193	103	0
-42.5°	730	567	410	277	187	97	0
-45°	712	555	404	271	187	91	0
-47.5°	694	537	392	265	181	91	0
-50°	669	525	386	259	175	84	0
-52.5°	651	507	374	253	169	78	0
-55°	627	488	356	247	163	78	0
-57.5°	603	464	344	235	151	72	0
-60°	579	446	332	223	145	66	0
-62.5°	543	422	308	211	139	60	0
-65°	513	398	289	199	127	54	0
-67.5°	482	368	271	187	115	54	0
-70°	446	338	247	175	103	48	0
-72.5°	398	302	223	151	91	42	0
-75°	350	265	199	133	78	36	0
-77.5°	302	229	169	109	66	30	0
-80°	247	187	133	91	54	24	0
-82.5°	187	139	103	66	42	18	0
-85°	127	97	66	42	24	12	0
-87.5°	60	48	36	24	12	6	0
-90°	0	0	0	0	0	0	0

(END OF REPORT)