

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: EPHESUS

Report Number: P902113 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-A65-NWB**

Issue Date: 11/14/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P902113 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( LVM2J39200)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/14/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-AV-03-1360S-57-85-A65-NWB  
Description: ARENAVISION LUMINAIRE  
5700K, 85 CRI LEDS AND A65-NWB OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

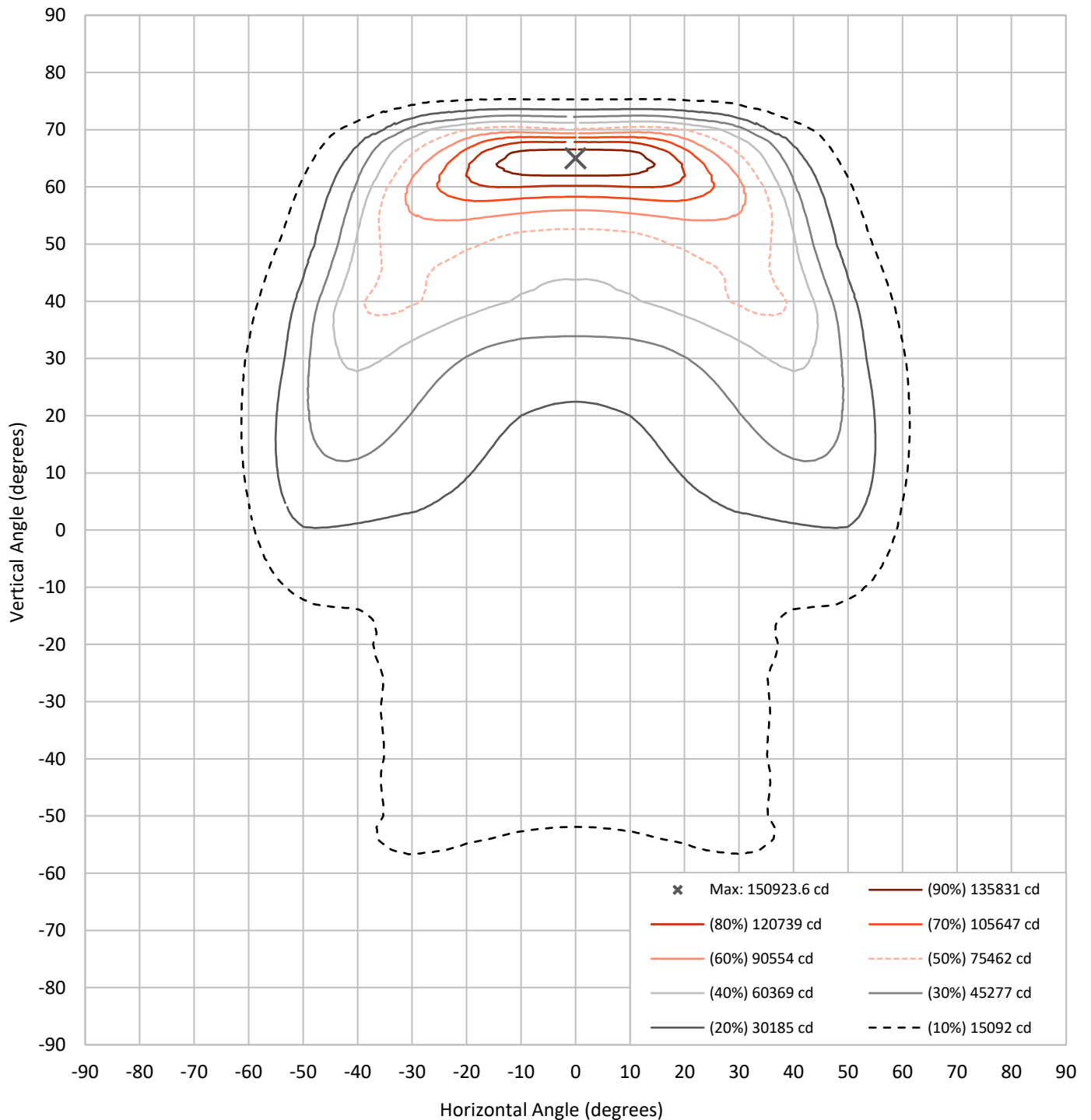
Lumens per Lamp:	N/A	NEMA Type:	5H x 6V
Luminaire Lumens:	153148.6 lumens	Max Intensity:	150923.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 65°V
Efficacy:	108.4 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		

Beam Angle (50%):	61.6°H x 17.4°V	Field Angle (10%):	96°H x 126.7°V
Beam Lumens:	41967 lumens	Field Lumens:	140098 lumens
Beam Efficiency:	27.4%	Field Efficiency:	91.5%

Input Watts (W): 1413  
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

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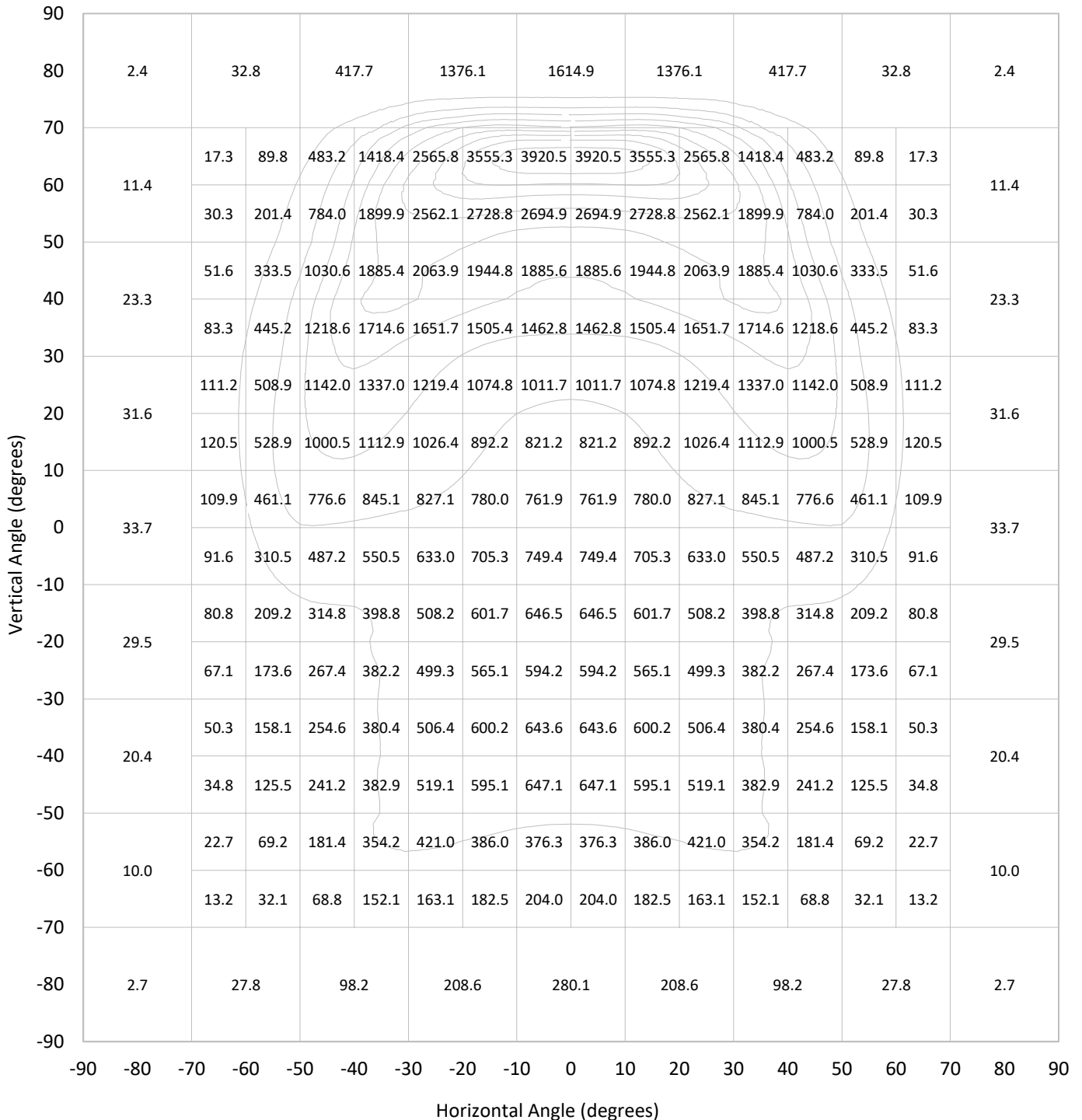
### Iso-Candela Plot





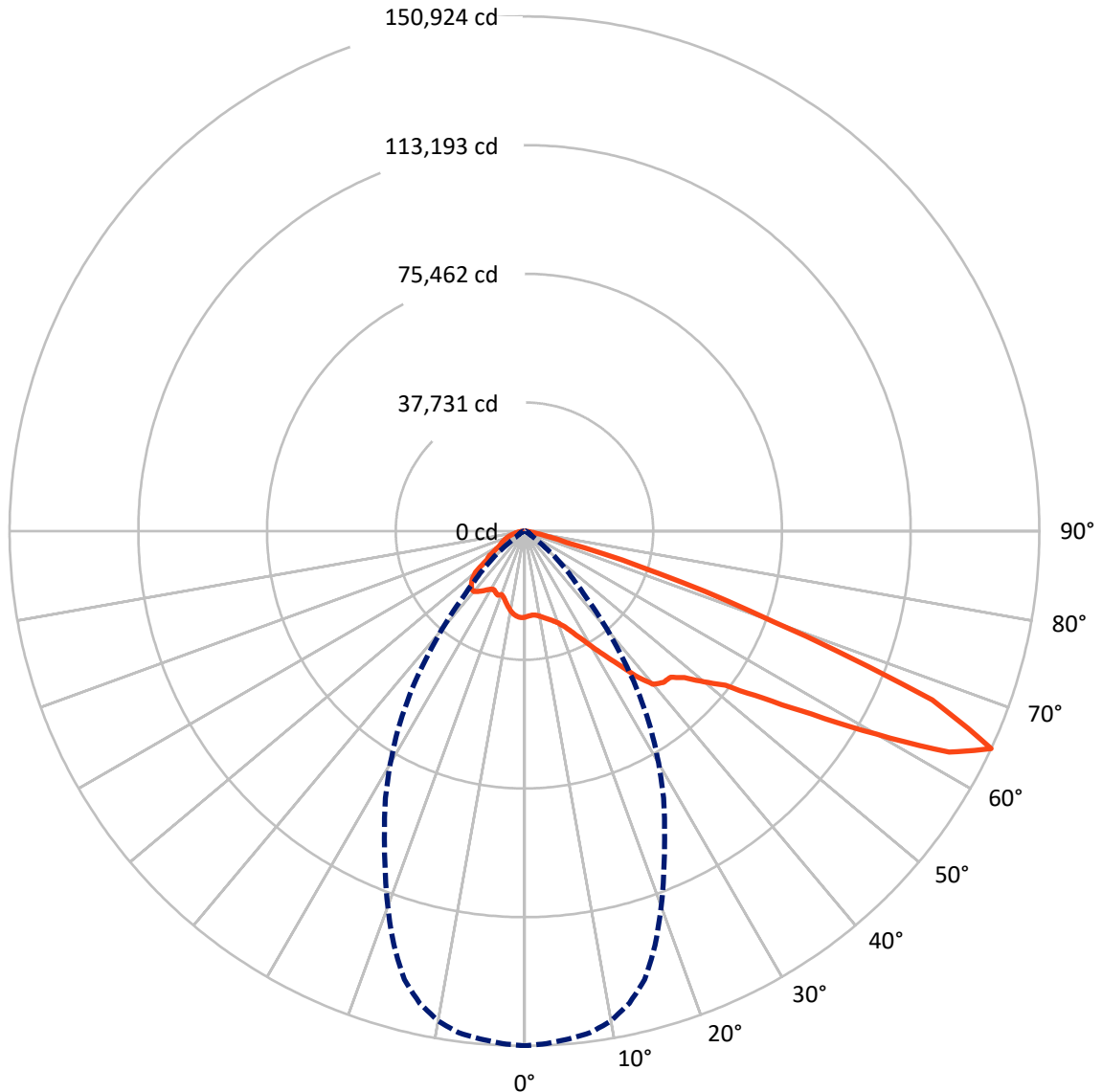
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### Lumen Table



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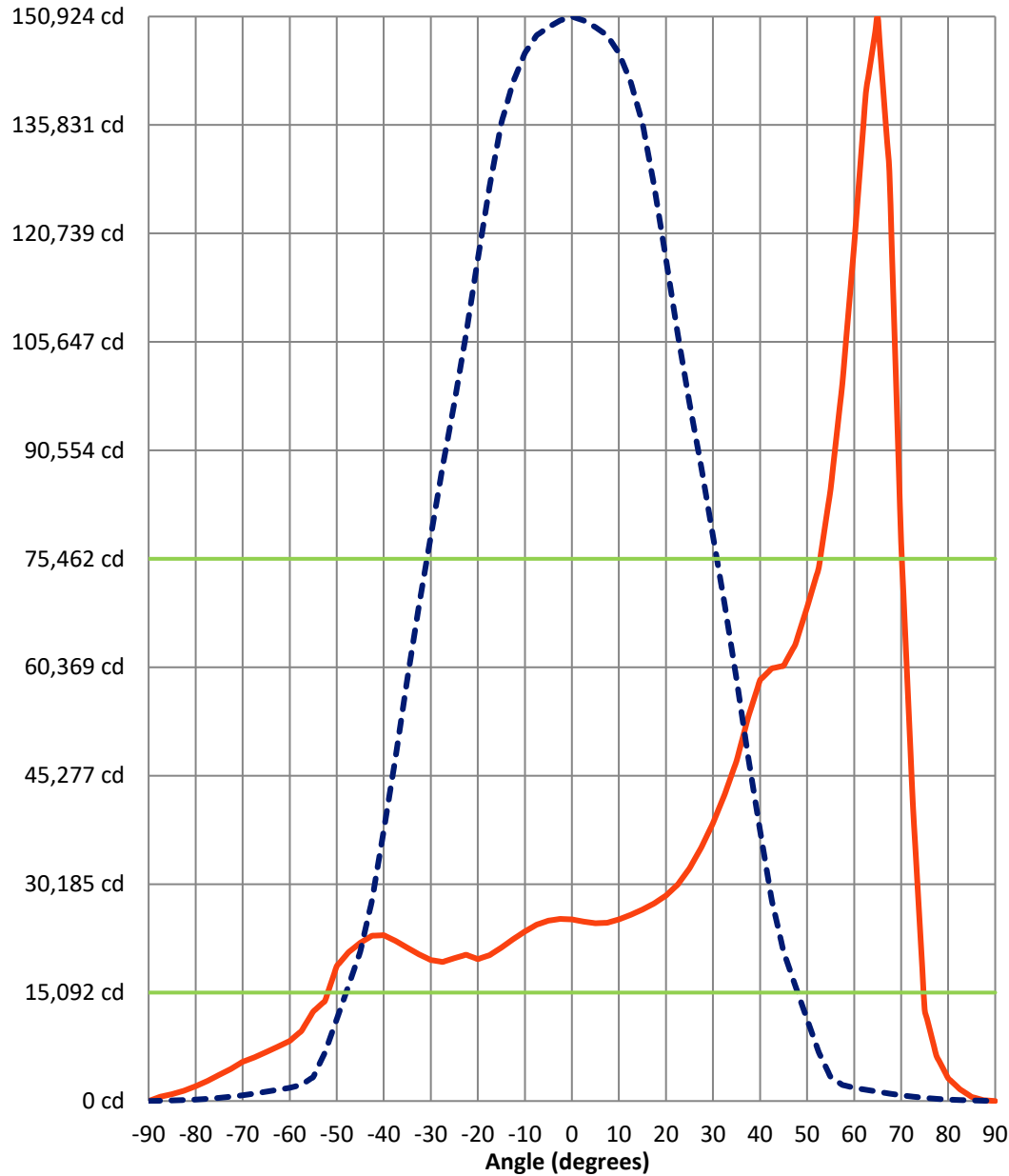
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 65-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 61.6°  
 V Angle: 17.4°  
 Lumens: 41967  
 Efficiency: 27.4%

**Field:**  
 H Angle: 96°  
 V Angle: 126.7°  
 Lumens: 140098  
 Efficiency: 91.5%

**Spill:**  
 Lumens: 13050.6  
 Efficiency: 8.5%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 65-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	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	4.5	8.9	13.4	17.8	22.2	26.5	30.8	35.0	33.1	36.5
85°	0.0	8.9	17.8	26.7	35.5	44.3	52.9	61.5	70.0	66.5	76.8
82.5°	0.0	13.4	26.7	40.0	53.2	66.3	79.3	97.3	116.5	128.6	148.5
80°	0.0	17.8	35.5	53.2	70.8	90.0	114.7	142.9	168.9	192.9	232.5
77.5°	0.0	22.2	44.3	66.3	90.0	118.1	150.6	187.9	235.4	299.1	365.9
75°	0.0	26.5	52.9	79.3	112.2	145.9	185.8	255.8	335.5	414.9	513.8
72.5°	0.0	30.8	61.5	94.4	134.0	173.3	244.7	336.3	433.0	557.8	701.6
70°	0.0	35.0	70.0	109.6	155.5	211.9	310.1	415.5	555.7	711.6	893.0
67.5°	0.0	39.2	78.3	124.5	176.5	261.5	373.6	513.0	677.5	872.0	1100.6
65°	0.0	43.3	86.7	138.8	204.4	309.1	443.2	610.1	803.3	1037.0	1305.2
62.5°	0.0	47.3	95.3	152.5	238.0	354.7	519.8	703.2	938.6	1197.7	1513.6
60°	0.0	51.2	103.6	165.6	270.1	405.4	593.8	813.6	1069.4	1377.9	1720.2
57.5°	0.0	55.0	111.8	178.8	300.8	462.7	665.0	919.9	1218.3	1553.9	1957.2
55°	0.0	58.7	119.7	200.0	330.0	517.4	751.7	1022.6	1366.7	1757.4	2200.0
52.5°	0.0	62.3	127.4	220.6	360.5	569.6	835.1	1143.9	1508.7	1949.2	2449.5
50°	0.0	65.8	134.8	240.3	402.1	621.4	915.2	1262.0	1668.1	2128.8	2673.0
47.5°	0.0	69.2	142.0	259.2	442.2	687.3	994.6	1373.9	1820.3	2323.1	2929.7
45°	0.0	72.4	148.9	277.3	480.0	749.8	1085.9	1490.8	1967.5	2505.6	3184.9
42.5°	0.0	75.5	155.5	294.5	515.3	808.8	1172.3	1612.2	2118.5	2692.9	3468.3
40°	0.0	78.4	161.8	310.8	548.0	864.2	1252.6	1723.9	2257.5	2871.8	3871.3
37.5°	0.0	81.2	167.8	325.8	578.1	915.8	1324.2	1825.5	2383.9	3037.2	4153.9
35°	0.0	84.0	176.3	345.2	611.9	967.3	1395.6	1920.6	2503.4	3217.1	4555.0
32.5°	0.0	86.6	185.3	365.3	645.5	1016.2	1464.0	2004.8	2618.4	3388.3	5218.7
30°	0.0	89.1	193.5	383.9	676.2	1060.8	1524.4	2076.4	2719.1	3538.2	5670.7
27.5°	0.0	91.4	201.2	401.0	705.1	1100.8	1578.6	2137.0	2804.4	3664.8	5981.1
25°	0.0	93.5	208.1	416.6	730.7	1136.5	1624.6	2186.9	2880.5	3903.7	6813.8
22.5°	0.0	95.4	214.4	430.5	752.7	1166.9	1662.2	2240.5	2968.8	4164.1	7444.6
20°	0.0	97.2	219.9	442.8	771.3	1190.7	1693.5	2294.8	3047.5	4359.4	7930.6
17.5°	0.0	98.7	224.8	453.1	786.5	1209.4	1724.8	2339.8	3114.5	4496.4	8191.5
15°	0.0	100.0	229.0	461.5	798.3	1224.9	1751.4	2378.3	3163.4	4581.9	8281.1
12.5°	0.0	101.2	232.4	467.9	807.3	1237.8	1771.3	2410.2	3207.1	4615.8	8262.0
10°	0.0	102.1	235.2	472.5	813.5	1250.8	1784.5	2432.1	3246.9	4701.5	8145.4
7.5°	0.0	102.8	237.3	475.3	816.8	1263.3	1797.8	2445.6	3273.9	4741.0	7969.4
5°	0.0	103.3	238.6	476.3	817.3	1270.6	1806.4	2456.0	3283.8	4729.5	7705.3
2.5°	0.0	103.6	239.3	475.6	815.1	1273.0	1808.1	2456.5	3278.0	4694.3	7471.4
0°	0.0	103.8	239.4	473.3	810.0	1270.5	1803.0	2447.4	3258.3	4606.7	7163.8
-2.5°	0.0	103.9	239.2	472.5	811.2	1268.6	1797.7	2437.4	3240.4	4522.8	6956.0
-5°	0.0	103.8	238.3	470.1	809.6	1261.9	1785.7	2418.0	3209.5	4400.9	6699.1
-7.5°	0.0	103.5	236.8	466.2	805.2	1250.5	1767.3	2389.5	3167.7	4291.9	6512.0
-10°	0.0	103.0	234.7	460.8	797.8	1234.4	1743.1	2357.0	3119.2	4184.9	6302.1
-12.5°	0.0	102.3	231.9	453.7	787.5	1213.9	1713.8	2317.3	3058.1	4073.1	6119.7
-15°	0.0	101.3	228.5	445.2	773.6	1189.0	1677.2	2269.8	2985.4	3995.8	5928.5
-17.5°	0.0	100.2	224.4	435.1	755.6	1161.6	1633.0	2209.6	2900.4	3888.8	5684.0
-20°	0.0	98.9	219.8	423.9	735.1	1131.3	1582.1	2136.1	2802.1	3738.2	5365.6



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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°	0.0	97.4	214.5	411.9	712.2	1096.8	1533.5	2053.0	2688.6	3557.6	5009.6
-25°	0.0	95.7	208.7	398.4	686.8	1058.1	1482.6	1971.0	2559.0	3359.1	4625.4
-27.5°	0.0	93.8	202.3	383.6	659.1	1016.2	1426.1	1899.2	2445.1	3164.8	4208.3
-30°	0.0	91.8	195.4	367.4	629.3	971.5	1364.8	1821.2	2337.2	3001.5	3968.9
-32.5°	0.0	89.5	188.4	349.9	598.3	923.9	1299.5	1737.3	2229.1	2831.1	3709.2
-35°	0.0	87.1	180.9	331.1	564.9	873.8	1228.3	1649.4	2112.2	2653.0	3404.5
-37.5°	0.0	84.5	173.8	313.3	532.1	824.7	1157.1	1561.4	1996.9	2487.8	3154.2
-40°	0.0	81.8	168.7	300.4	504.1	778.8	1092.3	1471.5	1887.5	2338.8	2930.3
-42.5°	0.0	78.9	163.4	286.8	474.5	729.9	1026.4	1376.0	1773.2	2182.9	2683.2
-45°	0.0	75.8	157.7	272.3	443.3	678.1	956.5	1274.7	1654.1	2027.5	2467.0
-47.5°	0.0	72.6	151.7	257.0	410.7	623.5	881.4	1173.9	1526.5	1882.4	2256.0
-50°	0.0	69.2	145.4	240.8	377.4	566.3	809.0	1078.2	1391.4	1730.3	2049.1
-52.5°	0.0	65.6	138.8	223.8	343.1	523.5	734.9	978.6	1254.0	1573.2	1873.6
-55°	0.0	61.9	132.0	205.9	317.5	477.7	658.1	876.7	1135.0	1415.7	1688.3
-57.5°	0.0	58.1	125.0	187.3	293.2	430.3	578.6	781.7	1009.9	1258.5	1509.7
-60°	0.0	54.2	117.7	175.2	267.9	381.6	520.4	683.7	882.7	1106.5	1325.5
-62.5°	0.0	50.1	110.1	163.5	241.6	339.5	461.7	584.3	768.6	950.5	1157.2
-65°	0.0	45.9	102.4	151.4	214.4	302.6	402.4	517.1	654.9	823.5	994.5
-67.5°	0.0	41.6	93.8	139.1	191.2	264.4	349.2	447.8	560.1	700.5	846.5
-70°	0.0	37.2	84.2	126.5	172.8	225.0	300.6	378.7	473.8	586.7	703.0
-72.5°	0.0	32.7	74.3	113.7	153.5	192.3	250.8	321.4	386.5	482.5	581.0
-75°	0.0	28.2	64.1	100.1	133.6	166.2	205.1	263.6	321.2	389.7	469.4
-77.5°	0.0	23.6	53.8	83.8	113.0	139.9	174.1	213.1	255.0	320.5	380.1
-80°	0.0	18.9	43.2	67.3	91.1	113.3	142.7	175.1	202.5	252.2	297.3
-82.5°	0.0	14.2	32.6	50.6	68.5	85.5	110.6	136.4	155.2	187.6	217.4
-85°	0.0	9.5	21.8	33.8	45.8	57.1	74.0	92.8	105.7	121.6	137.6
-87.5°	0.0	4.8	10.9	16.9	22.9	28.6	37.1	46.5	52.9	60.9	68.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	39.9	43.2	46.5	49.6	52.6	55.6	69.0	72.4	75.5	78.4	81.2
85°	91.7	107.6	120.9	130.8	144.9	159.5	175.6	187.9	204.2	230.9	249.7
82.5°	175.8	203.4	223.4	251.6	291.9	334.6	376.8	429.6	501.1	579.0	638.8
80°	289.7	343.4	392.3	443.1	504.3	586.5	700.8	869.8	1056.3	1230.6	1359.2
77.5°	431.2	509.8	600.9	688.3	786.3	903.7	1219.7	1652.7	2060.0	2482.1	3028.0
75°	635.9	749.2	848.5	996.8	1182.4	1482.3	2132.3	3423.3	4616.6	5976.7	7497.7
72.5°	855.8	1010.9	1179.1	1379.0	1900.4	3137.4	4980.2	7181.9	9739.5	12266.3	14324.3
70°	1096.6	1284.9	1514.4	1936.4	2944.2	5596.5	9311.0	13148.7	16179.7	19404.6	23271.3
67.5°	1334.7	1563.3	1837.7	2621.9	4606.1	8457.8	13000.1	17186.4	21834.8	29047.1	39668.8
65°	1569.2	1842.7	2249.8	3351.5	6776.5	11379.1	16040.1	20804.5	27936.7	37670.3	47798.3
62.5°	1806.0	2147.2	2821.3	5094.3	9284.8	14251.9	19030.0	25552.8	34746.2	43169.7	53335.7
60°	2066.1	2524.2	3621.6	6937.5	11899.8	16613.2	21909.1	29594.9	37525.1	47044.7	59982.0
57.5°	2346.7	2947.4	4907.4	9005.5	13731.9	18466.6	25235.6	32772.5	40364.0	51821.8	66047.7
55°	2649.0	3610.5	6132.4	10720.5	15409.5	21005.7	27791.6	34313.7	43773.2	56915.6	69837.4
52.5°	2990.3	4280.5	7809.7	12287.2	16898.0	23565.8	29730.7	36285.7	46944.0	60004.7	70977.5
50°	3418.2	5466.1	9309.9	13616.2	19800.0	26050.5	30830.7	38884.5	50226.4	62672.7	71608.1
47.5°	3879.5	6608.6	10805.4	16184.4	22820.9	27581.7	33385.9	42433.2	54176.4	64936.1	72528.5
45°	4695.4	7973.2	12656.8	18986.2	24636.9	29476.5	36091.2	46002.1	57782.7	67085.5	73113.6
42.5°	5318.3	9413.4	14871.4	21021.8	26338.7	31356.0	39234.6	50623.5	61716.4	69851.4	75174.9
40°	6422.2	10999.1	16842.4	23106.7	27753.5	33912.5	43452.3	55144.5	65842.7	73496.9	77434.2
37.5°	7443.4	12630.7	18718.0	24112.0	29283.2	36390.6	46845.2	58802.2	67917.2	73246.8	75703.1
35°	8422.5	14065.5	20115.4	24696.1	30179.7	38216.8	48716.1	59056.8	65969.8	69713.7	70648.4
32.5°	9626.3	15313.2	20491.9	25258.9	31223.8	39460.5	49423.1	58196.5	63324.8	65712.6	65661.7
30°	10727.2	16429.7	20815.2	25975.2	32392.4	40599.3	50241.9	57485.1	61556.6	62928.8	62190.0
27.5°	11638.8	17074.3	21474.8	27098.9	33745.2	41859.2	50340.3	56387.5	59424.5	60056.5	58902.5
25°	12278.1	17298.4	22157.0	28228.7	34972.1	42706.3	50248.2	55044.0	57170.6	57252.0	55785.7
22.5°	12712.3	17444.3	22568.5	29222.7	35900.1	42996.8	49303.4	53169.0	54737.9	54589.0	53110.4
20°	12939.0	17524.9	23002.1	29872.3	36498.9	42929.8	48260.0	51461.1	52716.1	52381.3	50848.3
17.5°	12972.0	17614.8	23380.4	30296.6	36788.8	42585.6	47152.2	49630.5	50532.2	50173.6	48808.0
15°	12815.8	17453.3	23460.8	30496.8	36769.0	41804.9	45573.5	47603.9	48313.1	47912.8	46710.7
12.5°	12581.8	17116.4	23208.0	30271.4	36212.7	40787.8	43845.8	45435.5	45920.5	45404.4	44283.0
10°	12229.0	16625.9	22630.7	29591.5	35324.7	39399.4	41805.1	42971.5	43081.5	42568.5	41544.0
7.5°	11787.1	15973.4	21817.8	28554.0	33966.3	37588.9	39348.0	40003.0	39915.4	39380.4	38480.0
5°	11235.6	15164.9	20689.8	27063.4	32163.2	35337.0	36455.7	36722.1	36459.2	35859.5	35075.9
2.5°	10636.5	14195.8	19278.0	25175.0	29882.7	32626.3	33247.1	33156.9	32767.3	32164.4	31508.3
0°	9951.6	13106.1	17621.9	22883.9	27094.7	29461.5	29755.1	29441.5	28950.5	28393.0	27885.6
-2.5°	9492.9	12076.6	15849.8	20288.3	23866.3	25941.3	26192.5	25820.6	25357.3	24907.8	24624.8
-5°	9010.7	11117.6	14172.0	17785.6	20688.9	22431.1	22783.3	22468.0	22103.6	21834.9	21726.0
-7.5°	8722.2	10449.9	12714.2	15497.1	17822.9	19264.6	19715.1	19471.6	19258.1	19098.9	19140.9
-10°	8435.6	9971.2	11748.5	13840.4	15477.6	16685.9	17172.1	17094.8	17011.1	16986.4	17138.5
-12.5°	8273.2	9671.5	11028.9	12615.4	13926.5	14792.8	15360.4	15456.8	15511.8	15570.2	15847.3
-15°	8111.3	9581.4	10582.4	11737.2	12851.2	13581.4	14161.2	14321.2	14495.6	14659.0	15068.8
-17.5°	8005.2	9609.1	10327.4	11303.2	12131.9	12869.5	13440.9	13726.0	13933.3	14183.4	14785.5
-20°	7716.6	9371.5	10153.0	10773.4	11585.0	12228.2	12928.4	13385.0	13789.0	14222.4	15009.7



REPORT NUMBER: P902113 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NWB

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	7139.9	8855.4	9715.1	10095.3	10829.5	11452.8	12085.6	12761.1	13270.2	13896.1	14837.3
-25°	6575.0	8439.9	9320.4	9752.9	10220.2	10855.4	11511.9	12175.5	12789.5	13516.1	14474.5
-27.5°	6122.1	8077.0	9258.0	9600.0	9994.7	10589.3	11291.8	12037.9	12786.9	13519.3	14458.1
-30°	5677.7	7676.7	9141.4	9631.5	9920.9	10451.8	11199.1	11994.3	12821.8	13570.7	14512.4
-32.5°	5194.5	7123.0	8757.7	9572.0	9891.0	10340.8	11042.1	11888.9	12779.2	13598.4	14514.6
-35°	4663.3	6547.7	8399.5	9526.7	9875.6	10235.2	10879.8	11745.3	12658.0	13506.7	14338.8
-37.5°	4240.4	5966.2	7817.9	9173.6	9904.5	10284.8	10780.8	11550.9	12502.9	13410.1	14249.5
-40°	3870.3	5366.6	7221.7	8793.1	9832.3	10295.2	10755.3	11424.0	12277.9	13279.0	14186.9
-42.5°	3447.4	4775.9	6494.5	8074.2	9334.0	10206.0	10699.2	11276.8	12110.4	13222.4	14352.7
-45°	3117.3	4166.4	5694.5	7285.3	8656.8	9714.9	10482.6	11078.1	11822.3	12921.4	14161.8
-47.5°	2753.0	3573.3	4928.7	6331.2	7840.5	9121.4	10131.5	10938.0	11644.3	12666.0	13854.2
-50°	2494.3	3190.3	4187.1	5399.4	6792.4	8395.2	9706.6	10840.7	11803.9	12778.9	13974.5
-52.5°	2245.9	2808.0	3674.3	4600.4	5563.7	7013.3	8852.4	10470.3	12004.2	13374.1	14728.8
-55°	2015.1	2473.4	3147.6	3841.9	4524.7	5263.9	6682.4	8776.9	10663.0	12565.4	14028.3
-57.5°	1776.8	2115.6	2588.2	3048.6	3570.0	4034.5	4735.8	5872.7	8097.3	10132.3	11697.6
-60°	1555.6	1821.3	2119.1	2500.1	2815.1	3256.1	3697.6	4425.8	5764.2	7908.5	9879.3
-62.5°	1351.3	1565.6	1809.1	2087.5	2386.9	2711.5	3082.4	3545.5	4102.2	5603.1	7682.4
-65°	1167.0	1334.1	1543.4	1760.6	2035.2	2304.5	2632.4	2968.6	3336.1	3963.8	5085.5
-67.5°	991.7	1142.6	1302.0	1501.2	1714.3	1940.7	2210.0	2485.0	2766.7	3087.7	3452.1
-70°	831.1	956.3	1094.2	1253.5	1410.2	1598.3	1801.6	2016.4	2252.5	2473.6	2707.7
-72.5°	671.6	784.8	900.4	1023.8	1162.3	1294.6	1432.8	1601.4	1782.7	1960.7	2132.3
-75°	551.4	632.3	720.0	825.9	933.5	1036.4	1140.4	1263.2	1391.6	1520.8	1651.2
-77.5°	436.7	500.9	578.8	653.8	731.5	809.9	893.5	986.6	1088.1	1185.2	1289.1
-80°	343.1	394.0	448.8	503.2	569.5	631.3	693.9	761.9	839.7	911.9	991.4
-82.5°	252.7	294.4	330.1	371.8	419.9	471.9	520.5	568.3	621.6	669.5	724.2
-85°	166.4	204.6	228.5	256.5	288.3	324.1	354.8	387.2	424.3	460.6	504.8
-87.5°	82.9	105.6	118.5	135.6	156.4	172.5	186.0	205.8	236.3	266.4	299.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902113 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NWB

**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	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	85.8	91.4	97.6	104.2	107.8	112.1	114.8	119.5	119.6	123.7	125.4
85°	263.8	302.2	348.5	395.0	437.8	467.1	487.7	525.0	551.2	570.2	582.0
82.5°	710.9	804.1	934.5	1071.1	1185.9	1282.6	1377.1	1477.7	1505.7	1525.9	1638.6
80°	1580.9	1890.5	2231.1	2549.3	2774.5	2885.5	2967.4	3072.4	3141.9	3203.9	3486.4
77.5°	3911.4	4640.0	5158.0	5609.3	5870.2	5907.1	5839.6	5768.4	5796.6	5944.2	6235.7
75°	8823.8	9735.2	10620.5	11592.9	12280.3	12415.7	12472.4	12922.3	13000.2	12859.4	12671.5
72.5°	16436.4	20165.2	25023.3	29374.0	32075.7	34177.6	37539.7	40606.3	42582.8	43408.6	43273.8
70°	30430.0	40647.8	50268.4	58361.1	65290.0	70189.0	75506.4	80101.0	82758.1	83586.9	82731.6
67.5°	51297.3	60289.3	68171.4	75564.3	82760.0	90852.6	100150.3	109218.9	117072.5	123824.4	127665.1
65°	58704.6	69012.0	78600.3	88240.3	97130.7	106745.1	117182.6	127293.3	136100.9	141804.7	145825.6
62.5°	65252.8	77413.0	88359.9	97434.5	105205.2	113763.4	122152.1	129201.3	134037.9	136992.3	138936.2
60°	73562.5	84757.1	93873.6	100971.7	106598.6	111826.2	116578.8	119716.0	121058.5	121093.5	120807.2
57.5°	78986.1	87532.8	93876.7	98310.3	101238.6	103319.0	104967.9	105583.9	104659.6	103434.3	102139.2
55°	80434.0	86191.4	90309.6	92310.1	93315.0	93625.5	93359.9	92267.3	90787.1	89394.8	88016.3
52.5°	78300.7	82567.4	84375.2	85455.0	85274.6	84625.9	83704.4	81472.5	78994.5	77672.8	76282.4
50°	77551.3	80143.4	81849.1	81427.9	81069.8	79855.4	77864.0	75689.8	73388.4	71453.4	70081.0
47.5°	76660.9	78692.8	78976.5	78102.0	76843.0	75209.6	72420.0	69752.1	67803.5	66062.6	64712.3
45°	76188.6	77436.3	76840.1	75602.9	73678.4	71621.1	68520.4	66104.6	64329.2	62555.5	61241.0
42.5°	77550.7	78098.2	77378.3	75595.5	73931.1	71062.0	68331.4	65817.5	63949.8	62524.6	61276.2
40°	78799.9	78777.3	77041.7	74798.2	72807.8	69348.2	66770.4	63985.8	62151.6	60587.5	59427.0
37.5°	76034.1	74687.9	71828.2	69474.8	66744.7	63243.1	60667.9	58336.0	56575.6	55177.8	54054.9
35°	69412.6	67034.4	64421.2	61873.2	58719.7	55990.9	53623.4	51622.6	50004.7	48906.1	47998.8
32.5°	64129.8	61558.2	58893.7	56352.1	53515.5	50753.0	48535.1	46761.6	45351.8	44296.1	43522.7
30°	60322.9	57661.9	54983.7	52523.2	49607.8	46921.6	44813.2	43037.7	41656.3	40590.8	39866.2
27.5°	56794.7	54096.6	51649.3	49165.0	46327.6	43796.5	41730.2	39956.6	38518.6	37354.2	36587.3
25°	53562.4	51057.0	48861.9	46481.6	43671.9	41295.4	39256.3	37420.5	35946.4	34734.7	33862.4
22.5°	51034.1	48690.8	46631.8	44305.1	41606.2	39348.9	37295.8	35479.8	33965.3	32705.3	31755.3
20°	48901.2	46708.1	44896.2	42596.8	39993.3	37834.2	35846.2	34030.0	32483.4	31199.5	30190.3
17.5°	46939.3	44986.1	43326.1	41156.1	38594.8	36592.2	34594.8	32814.9	31267.6	29973.9	28964.3
15°	44982.3	43196.7	41635.1	39537.3	37235.9	35296.1	33414.0	31674.9	30162.2	28930.1	27929.1
12.5°	42724.6	41096.2	39738.2	37790.7	35638.4	33847.2	32118.8	30478.4	29095.2	27920.0	26994.0
10°	40090.3	38617.1	37431.7	35722.4	33849.2	32237.2	30678.2	29282.1	28036.9	27021.6	26217.1
7.5°	37205.9	35952.9	34932.9	33471.7	31842.6	30574.8	29302.0	28172.3	27165.9	26281.2	25634.7
5°	34057.0	33047.0	32273.0	31195.7	29846.1	28874.0	27966.5	27092.6	26347.3	25712.9	25312.3
2.5°	30719.3	29995.7	29544.0	28855.2	27897.1	27265.8	26681.5	26138.4	25710.8	25338.4	25162.0
0°	27348.2	26967.7	26885.8	26568.1	26019.3	25743.6	25511.5	25315.8	25168.4	25085.1	25138.3
-2.5°	24352.5	24244.0	24399.8	24464.2	24270.6	24366.1	24446.3	24521.2	24645.7	24774.3	25011.3
-5°	21688.0	21860.8	22215.4	22593.8	22725.5	23099.6	23488.0	23812.7	24092.7	24367.5	24661.3
-7.5°	19375.7	19810.9	20311.9	20954.1	21389.1	21986.3	22571.1	23019.8	23428.4	23757.5	24058.2
-10°	17545.8	18065.1	18691.8	19497.4	20186.4	20935.5	21590.2	22095.2	22574.6	22924.6	23199.0
-12.5°	16309.7	16843.4	17394.7	18232.8	18996.6	19829.0	20496.7	21021.9	21465.3	21855.1	22133.2
-15°	15635.5	16135.2	16640.0	17369.4	18086.2	18819.0	19473.7	19952.0	20324.4	20655.9	20928.7
-17.5°	15424.3	15848.1	16276.8	16943.3	17568.0	18150.1	18715.4	19113.8	19378.1	19646.9	19876.1
-20°	15706.1	16204.4	16749.3	17416.1	18002.6	18377.3	18755.4	18959.6	19157.1	19371.7	19458.4



REPORT NUMBER: P902113 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NWB

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	15617.6	16247.8	16957.8	17752.1	18529.0	18996.4	19350.9	19375.6	19553.2	19589.2	19879.1
-25°	15137.7	15791.1	16548.8	17320.8	18112.6	18585.9	18873.9	18914.5	19078.5	18907.1	19336.4
-27.5°	15199.3	15890.0	16636.6	17375.9	18178.9	18655.2	19012.1	19124.6	19050.7	18931.3	18957.5
-30°	15292.9	16060.4	16837.9	17598.4	18384.5	18964.3	19394.6	19657.7	19656.4	19552.0	19488.9
-32.5°	15329.9	16148.7	16943.0	17667.7	18371.1	19056.4	19538.6	20023.5	20252.7	20334.1	20377.7
-35°	15232.5	16082.3	16900.8	17592.4	18244.0	18974.7	19444.7	20096.5	20528.2	20862.5	21125.7
-37.5°	15150.5	16084.3	16948.4	17674.7	18361.8	19095.8	19660.5	20242.8	20822.2	21270.1	21658.1
-40°	15156.6	16193.7	17120.8	17946.9	18656.3	19403.9	20110.9	20563.5	21145.5	21664.0	22131.0
-42.5°	15396.4	16547.8	17414.5	18343.2	18936.5	19579.8	20283.6	20643.1	21083.8	21572.7	21948.4
-45°	15506.2	16738.3	17916.6	18669.0	19335.6	19585.6	20007.8	20264.4	20485.9	20777.3	21079.6
-47.5°	15273.6	16593.4	17728.2	18509.9	18992.3	19126.9	19305.5	19512.9	19525.1	19727.6	19981.0
-50°	15221.1	16510.2	17429.0	18051.8	18337.6	18353.5	18384.0	18473.0	18435.8	18365.7	18319.2
-52.5°	16077.4	17238.1	17969.5	18559.5	18529.5	18620.3	18255.7	17647.1	17044.6	16054.2	15278.6
-55°	15912.9	16589.1	17754.3	17561.7	17528.5	17411.8	15405.8	14251.3	13495.0	12770.1	12429.1
-57.5°	12649.5	13712.4	13573.4	13231.3	12182.1	10448.5	9531.8	9104.1	8824.9	8829.7	8902.6
-60°	11179.1	11526.4	11047.5	9845.7	8677.0	7842.9	7508.4	7591.6	7765.1	7914.7	8048.4
-62.5°	8990.8	9150.9	8506.7	7386.2	6718.5	6555.9	6672.4	6858.1	7000.3	7127.5	7262.9
-65°	6030.5	6213.7	5903.2	5496.7	5499.9	5649.8	5849.5	6025.6	6193.0	6327.5	6461.3
-67.5°	3919.8	4178.3	4292.7	4416.9	4595.6	4817.4	5025.8	5221.0	5427.6	5613.6	5758.1
-70°	2957.9	3175.5	3391.4	3603.7	3817.1	4019.4	4243.4	4517.8	4786.6	5015.6	5180.8
-72.5°	2318.4	2519.9	2718.2	2904.2	3090.8	3268.3	3492.4	3781.7	4040.9	4190.1	4269.1
-75°	1806.7	1983.3	2168.3	2329.5	2459.2	2578.9	2748.8	2934.6	3103.6	3235.0	3391.8
-77.5°	1407.4	1549.3	1706.9	1826.9	1917.7	1996.1	2090.6	2192.5	2329.5	2471.1	2611.1
-80°	1077.0	1177.3	1291.5	1380.4	1446.1	1499.0	1564.4	1648.9	1738.4	1828.0	1913.0
-82.5°	780.1	854.0	939.5	995.3	1036.1	1072.4	1131.2	1188.0	1245.4	1298.2	1349.9
-85°	563.1	616.7	670.8	721.3	746.6	772.5	805.9	843.2	871.5	892.8	923.7
-87.5°	322.2	350.6	382.7	410.7	435.3	459.4	475.5	500.9	526.7	547.9	575.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902113 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	126.8	123.1	119.0	122.4	119.0	123.1	126.8	125.4	123.7	119.6	119.5
85°	607.6	603.9	583.0	577.9	583.0	603.9	607.6	582.0	570.2	551.2	525.0
82.5°	1671.0	1730.1	1694.3	1642.4	1694.3	1730.1	1671.0	1638.6	1525.9	1505.7	1477.7
80°	3293.0	3173.0	3185.1	3172.8	3185.1	3173.0	3293.0	3486.4	3203.9	3141.9	3072.4
77.5°	6231.7	6265.7	6316.1	6301.4	6316.1	6265.7	6231.7	6235.7	5944.2	5796.6	5768.4
75°	12598.7	12764.7	12762.7	12747.6	12762.7	12764.7	12598.7	12671.5	12859.4	13000.2	12922.3
72.5°	42694.0	42140.3	41470.4	41242.1	41470.4	42140.3	42694.0	43273.8	43408.6	42582.8	40606.3
70°	80960.2	79192.2	78098.1	77750.4	78098.1	79192.2	80960.2	82731.6	83586.9	82758.1	80101.0
67.5°	128915.4	128784.7	128943.4	129384.0	128943.4	128784.7	128915.4	127665.1	123824.4	117072.5	109218.9
65°	148303.8	149440.1	150370.0	150923.6	150370.0	149440.1	148303.8	145825.6	141804.7	136100.9	127293.3
62.5°	139809.1	139954.7	140154.6	140302.7	140154.6	139954.7	139809.1	138936.2	136992.3	134037.9	129201.3
60°	120180.1	119410.4	119069.2	118974.7	119069.2	119410.4	120180.1	120807.2	121093.5	121058.5	119716.0
57.5°	101061.3	100166.0	99840.9	99810.6	99840.9	100166.0	101061.3	102139.2	103434.3	104659.6	105583.9
55°	86795.8	85705.3	85201.1	85136.3	85201.1	85705.3	86795.8	88016.3	89394.8	90787.1	92267.3
52.5°	75302.2	74456.4	74130.3	74246.3	74130.3	74456.4	75302.2	76282.4	77672.8	78994.5	81472.5
50°	69352.4	68797.9	68505.8	68694.4	68505.8	68797.9	69352.4	70081.0	71453.4	73388.4	75689.8
47.5°	63922.1	63550.1	63385.5	63536.1	63385.5	63550.1	63922.1	64712.3	66062.6	67803.5	69752.1
45°	60820.9	60631.3	60513.4	60575.9	60513.4	60631.3	60820.9	61241.0	62555.5	64329.2	66104.6
42.5°	60665.8	60344.6	60225.9	60195.9	60225.9	60344.6	60665.8	61276.2	62524.6	63949.8	65817.5
40°	58889.3	58691.7	58715.2	58573.5	58715.2	58691.7	58889.3	59427.0	60587.5	62151.6	63985.8
37.5°	53591.3	53441.8	53426.3	53462.2	53426.3	53441.8	53591.3	54054.9	55177.8	56575.6	58336.0
35°	47684.9	47505.9	47342.4	47318.7	47342.4	47505.9	47684.9	47998.8	48906.1	50004.7	51622.6
32.5°	43192.7	42906.2	42766.8	42701.5	42766.8	42906.2	43192.7	43522.7	44296.1	45351.8	46761.6
30°	39428.1	39011.4	38785.8	38686.8	38785.8	39011.4	39428.1	39866.2	40590.8	41656.3	43037.7
27.5°	36089.1	35596.2	35332.8	35276.0	35332.8	35596.2	36089.1	36587.3	37354.2	38518.6	39956.6
25°	33264.2	32794.5	32457.7	32379.5	32457.7	32794.5	33264.2	33862.4	34734.7	35946.4	37420.5
22.5°	31137.3	30630.9	30264.7	30124.6	30264.7	30630.9	31137.3	31755.3	32705.3	33965.3	35479.8
20°	29523.5	29021.1	28696.2	28596.9	28696.2	29021.1	29523.5	30190.3	31199.5	32483.4	34030.0
17.5°	28287.8	27781.6	27521.7	27507.0	27521.7	27781.6	28287.8	28964.3	29973.9	31267.6	32814.9
15°	27260.0	26790.3	26590.3	26647.4	26590.3	26790.3	27260.0	27929.1	28930.1	30162.2	31674.9
12.5°	26356.4	25913.8	25811.0	25913.3	25811.0	25913.8	26356.4	26994.0	27920.0	29095.2	30478.4
10°	25652.5	25310.8	25238.9	25280.3	25238.9	25310.8	25652.5	26217.1	27021.6	28036.9	29282.1
7.5°	25232.0	25007.4	24898.8	24810.7	24898.8	25007.4	25232.0	25634.7	26281.2	27165.9	28172.3
5°	25103.3	24970.4	24813.7	24745.1	24813.7	24970.4	25103.3	25312.3	25712.9	26347.3	27092.6
2.5°	25185.6	25150.2	25016.8	24969.0	25016.8	25150.2	25185.6	25162.0	25338.4	25710.8	26138.4
0°	25308.9	25304.8	25259.8	25274.8	25259.8	25304.8	25308.9	25138.3	25085.1	25168.4	25315.8
-2.5°	25239.6	25292.4	25300.8	25344.0	25300.8	25292.4	25239.6	25011.3	24774.3	24645.7	24521.2
-5°	24898.5	24969.0	25032.4	25100.1	25032.4	24969.0	24898.5	24661.3	24367.5	24092.7	23812.7
-7.5°	24259.3	24349.5	24487.6	24539.5	24487.6	24349.5	24259.3	24058.2	23757.5	23428.4	23019.8
-10°	23362.0	23452.1	23562.5	23596.5	23562.5	23452.1	23362.0	23199.0	22924.6	22574.6	22095.2
-12.5°	22313.4	22400.9	22508.0	22520.7	22508.0	22400.9	22313.4	22133.2	21855.1	21465.3	21021.9
-15°	21137.8	21229.7	21337.0	21353.0	21337.0	21229.7	21137.8	20928.7	20655.9	20324.4	19952.0
-17.5°	20086.0	20173.1	20263.7	20304.1	20263.7	20173.1	20086.0	19876.1	19646.9	19378.1	19113.8
-20°	19739.3	19752.0	19731.3	19755.7	19731.3	19752.0	19739.3	19458.4	19371.7	19157.1	18959.6



REPORT NUMBER: P902113 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NWB

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	19934.7	20176.4	20302.4	20357.3	20302.4	20176.4	19934.7	19879.1	19589.2	19553.2	19375.6
-25°	19264.5	19460.6	19753.1	19882.2	19753.1	19460.6	19264.5	19336.4	18907.1	19078.5	18914.5
-27.5°	19032.2	19132.5	19283.6	19360.7	19283.6	19132.5	19032.2	18957.5	18931.3	19050.7	19124.6
-30°	19461.0	19476.9	19578.2	19628.3	19578.2	19476.9	19461.0	19488.9	19552.0	19656.4	19657.7
-32.5°	20367.3	20357.3	20389.6	20413.3	20389.6	20357.3	20367.3	20377.7	20334.1	20252.7	20023.5
-35°	21282.7	21344.6	21352.9	21339.3	21352.9	21344.6	21282.7	21125.7	20862.5	20528.2	20096.5
-37.5°	22023.1	22215.8	22279.4	22285.9	22279.4	22215.8	22023.1	21658.1	21270.1	20822.2	20242.8
-40°	22595.3	22864.8	23008.5	23077.7	23008.5	22864.8	22595.3	22131.0	21664.0	21145.5	20563.5
-42.5°	22389.9	22712.2	22888.1	22999.5	22888.1	22712.2	22389.9	21948.4	21572.7	21083.8	20643.1
-45°	21433.4	21740.1	21926.3	22019.2	21926.3	21740.1	21433.4	21079.6	20777.3	20485.9	20264.4
-47.5°	20305.7	20480.4	20638.4	20697.7	20638.4	20480.4	20305.7	19981.0	19727.6	19525.1	19512.9
-50°	18431.8	18626.2	18751.0	18767.3	18751.0	18626.2	18431.8	18319.2	18365.7	18435.8	18473.0
-52.5°	14716.9	14336.5	14064.6	13941.2	14064.6	14336.5	14716.9	15278.6	16054.2	17044.6	17647.1
-55°	12309.3	12307.6	12370.7	12449.0	12370.7	12307.6	12309.3	12429.1	12770.1	13495.0	14251.3
-57.5°	9269.5	9547.5	9705.6	9758.2	9705.6	9547.5	9269.5	8902.6	8829.7	8824.9	9104.1
-60°	8163.3	8264.1	8345.3	8364.3	8345.3	8264.1	8163.3	8048.4	7914.7	7765.1	7591.6
-62.5°	7371.0	7463.0	7544.0	7573.3	7544.0	7463.0	7371.0	7262.9	7127.5	7000.3	6858.1
-65°	6607.3	6719.1	6789.8	6817.9	6789.8	6719.1	6607.3	6461.3	6327.5	6193.0	6025.6
-67.5°	5867.6	5987.8	6064.9	6082.9	6064.9	5987.8	5867.6	5758.1	5613.6	5427.6	5221.0
-70°	5357.9	5472.6	5479.7	5460.9	5479.7	5472.6	5357.9	5180.8	5015.6	4786.6	4517.8
-72.5°	4357.4	4426.3	4463.5	4468.9	4463.5	4426.3	4357.4	4269.1	4190.1	4040.9	3781.7
-75°	3567.7	3643.4	3659.3	3643.3	3659.3	3643.4	3567.7	3391.8	3235.0	3103.6	2934.6
-77.5°	2765.1	2815.4	2806.0	2793.2	2806.0	2815.4	2765.1	2611.1	2471.1	2329.5	2192.5
-80°	2026.7	2069.8	2063.7	2066.0	2063.7	2069.8	2026.7	1913.0	1828.0	1738.4	1648.9
-82.5°	1411.0	1438.7	1434.7	1433.5	1434.7	1438.7	1411.0	1349.9	1298.2	1245.4	1188.0
-85°	948.1	965.9	964.2	963.0	964.2	965.9	948.1	923.7	892.8	871.5	843.2
-87.5°	582.2	597.3	602.1	601.6	602.1	597.3	582.2	575.3	547.9	526.7	500.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**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	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	114.8	112.1	107.8	104.2	97.6	91.4	85.8	81.2	78.4	75.5	72.4
85°	487.7	467.1	437.8	395.0	348.5	302.2	263.8	249.7	230.9	204.2	187.9
82.5°	1377.1	1282.6	1185.9	1071.1	934.5	804.1	710.9	638.8	579.0	501.1	429.6
80°	2967.4	2885.5	2774.5	2549.3	2231.1	1890.5	1580.9	1359.2	1230.6	1056.3	869.8
77.5°	5839.6	5907.1	5870.2	5609.3	5158.0	4640.0	3911.4	3028.0	2482.1	2060.0	1652.7
75°	12472.4	12415.7	12280.3	11592.9	10620.5	9735.2	8823.8	7497.7	5976.7	4616.6	3423.3
72.5°	37539.7	34177.6	32075.7	29374.0	25023.3	20165.2	16436.4	14324.3	12266.3	9739.5	7181.9
70°	75506.4	70189.0	65290.0	58361.1	50268.4	40647.8	30430.0	23271.3	19404.6	16179.7	13148.7
67.5°	100150.3	90852.6	82760.0	75564.3	68171.4	60289.3	51297.3	39668.8	29047.1	21834.8	17186.4
65°	117182.6	106745.1	97130.7	88240.3	78600.3	69012.0	58704.6	47798.3	37670.3	27936.7	20804.5
62.5°	122152.1	113763.4	105205.2	97434.5	88359.9	77413.0	65252.8	53335.7	43169.7	34746.2	25552.8
60°	116578.8	111826.2	106598.6	100971.7	93873.6	84757.1	73562.5	59982.0	47044.7	37525.1	29594.9
57.5°	104967.9	103319.0	101238.6	98310.3	93876.7	87532.8	78986.1	66047.7	51821.8	40364.0	32772.5
55°	93359.9	93625.5	93315.0	92310.1	90309.6	86191.4	80434.0	69837.4	56915.6	43773.2	34313.7
52.5°	83704.4	84625.9	85274.6	85455.0	84375.2	82567.4	78300.7	70977.5	60004.7	46944.0	36285.7
50°	77864.0	79855.4	81069.8	81427.9	81849.1	80143.4	77551.3	71608.1	62672.7	50226.4	38884.5
47.5°	72420.0	75209.6	76843.0	78102.0	78976.5	78692.8	76660.9	72528.5	64936.1	54176.4	42433.2
45°	68520.4	71621.1	73678.4	75602.9	76840.1	77436.3	76188.6	73113.6	67085.5	57782.7	46002.1
42.5°	68331.4	71062.0	73931.1	75595.5	77378.3	78098.2	77550.7	75174.9	69851.4	61716.4	50623.5
40°	66770.4	69348.2	72807.8	74798.2	77041.7	78777.3	78799.9	77434.2	73496.9	65842.7	55144.5
37.5°	60667.9	63243.1	66744.7	69474.8	71828.2	74687.9	76034.1	75703.1	73246.8	67917.2	58802.2
35°	53623.4	55990.9	58719.7	61873.2	64421.2	67034.4	69412.6	70648.4	69713.7	65969.8	59056.8
32.5°	48535.1	50753.0	53515.5	56352.1	58893.7	61558.2	64129.8	65661.7	65712.6	63324.8	58196.5
30°	44813.2	46921.6	49607.8	52523.2	54983.7	57661.9	60322.9	62190.0	62928.8	61556.6	57485.1
27.5°	41730.2	43796.5	46327.6	49165.0	51649.3	54096.6	56794.7	58902.5	60056.5	59424.5	56387.5
25°	39256.3	41295.4	43671.9	46481.6	48861.9	51057.0	53562.4	55785.7	57252.0	57170.6	55044.0
22.5°	37295.8	39348.9	41606.2	44305.1	46631.8	48690.8	51034.1	53110.4	54589.0	54737.9	53169.0
20°	35846.2	37834.2	39993.3	42596.8	44896.2	46708.1	48901.2	50848.3	52381.3	52716.1	51461.1
17.5°	34594.8	36592.2	38594.8	41156.1	43326.1	44986.1	46939.3	48808.0	50173.6	50532.2	49630.5
15°	33414.0	35296.1	37235.9	39537.3	41635.1	43196.7	44982.3	46710.7	47912.8	48313.1	47603.9
12.5°	32118.8	33847.2	35638.4	37790.7	39738.2	41096.2	42724.6	44283.0	45404.4	45920.5	45435.5
10°	30678.2	32237.2	33849.2	35722.4	37431.7	38617.1	40090.3	41544.0	42568.5	43081.5	42971.5
7.5°	29302.0	30574.8	31842.6	33471.7	34932.9	35952.9	37205.9	38480.0	39380.4	39915.4	40003.0
5°	27966.5	28874.0	29846.1	31195.7	32273.0	33047.0	34057.0	35075.9	35859.5	36459.2	36722.1
2.5°	26681.5	27265.8	27897.1	28855.2	29544.0	29995.7	30719.3	31508.3	32164.4	32767.3	33156.9
0°	25511.5	25743.6	26019.3	26568.1	26885.8	26967.7	27348.2	27885.6	28393.0	28950.5	29441.5
-2.5°	24446.3	24366.1	24270.6	24464.2	24399.8	24244.0	24352.5	24624.8	24907.8	25357.3	25820.6
-5°	23488.0	23099.6	22725.5	22593.8	22215.4	21860.8	21688.0	21726.0	21834.9	22103.6	22468.0
-7.5°	22571.1	21986.3	21389.1	20954.1	20311.9	19810.9	19375.7	19140.9	19098.9	19258.1	19471.6
-10°	21590.2	20935.5	20186.4	19497.4	18691.8	18065.1	17545.8	17138.5	16986.4	17011.1	17094.8
-12.5°	20496.7	19829.0	18996.6	18232.8	17394.7	16843.4	16309.7	15847.3	15570.2	15511.8	15456.8
-15°	19473.7	18819.0	18086.2	17369.4	16640.0	16135.2	15635.5	15068.8	14659.0	14495.6	14321.2
-17.5°	18715.4	18150.1	17568.0	16943.3	16276.8	15848.1	15424.3	14785.5	14183.4	13933.3	13726.0
-20°	18755.4	18377.3	18002.6	17416.1	16749.3	16204.4	15706.1	15009.7	14222.4	13789.0	13385.0



REPORT NUMBER: P902113 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	19350.9	18996.4	18529.0	17752.1	16957.8	16247.8	15617.6	14837.3	13896.1	13270.2	12761.1
-25°	18873.9	18585.9	18112.6	17320.8	16548.8	15791.1	15137.7	14474.5	13516.1	12789.5	12175.5
-27.5°	19012.1	18655.2	18178.9	17375.9	16636.6	15890.0	15199.3	14458.1	13519.3	12786.9	12037.9
-30°	19394.6	18964.3	18384.5	17598.4	16837.9	16060.4	15292.9	14512.4	13570.7	12821.8	11994.3
-32.5°	19538.6	19056.4	18371.1	17667.7	16943.0	16148.7	15329.9	14514.6	13598.4	12779.2	11888.9
-35°	19444.7	18974.7	18244.0	17592.4	16900.8	16082.3	15232.5	14338.8	13506.7	12658.0	11745.3
-37.5°	19660.5	19095.8	18361.8	17674.7	16948.4	16084.3	15150.5	14249.5	13410.1	12502.9	11550.9
-40°	20110.9	19403.9	18656.3	17946.9	17120.8	16193.7	15156.6	14186.9	13279.0	12277.9	11424.0
-42.5°	20283.6	19579.8	18936.5	18343.2	17414.5	16547.8	15396.4	14352.7	13222.4	12110.4	11276.8
-45°	20007.8	19585.6	19335.6	18669.0	17916.6	16738.3	15506.2	14161.8	12921.4	11822.3	11078.1
-47.5°	19305.5	19126.9	18992.3	18509.9	17728.2	16593.4	15273.6	13854.2	12666.0	11644.3	10938.0
-50°	18384.0	18353.5	18337.6	18051.8	17429.0	16510.2	15221.1	13974.5	12778.9	11803.9	10840.7
-52.5°	18255.7	18620.3	18529.5	18559.5	17969.5	17238.1	16077.4	14728.8	13374.1	12004.2	10470.3
-55°	15405.8	17411.8	17528.5	17561.7	17754.3	16589.1	15912.9	14028.3	12565.4	10663.0	8776.9
-57.5°	9531.8	10448.5	12182.1	13231.3	13573.4	13712.4	12649.5	11697.6	10132.3	8097.3	5872.7
-60°	7508.4	7842.9	8677.0	9845.7	11047.5	11526.4	11179.1	9879.3	7908.5	5764.2	4425.8
-62.5°	6672.4	6555.9	6718.5	7386.2	8506.7	9150.9	8990.8	7682.4	5603.1	4102.2	3545.5
-65°	5849.5	5649.8	5499.9	5496.7	5903.2	6213.7	6030.5	5085.5	3963.8	3336.1	2968.6
-67.5°	5025.8	4817.4	4595.6	4416.9	4292.7	4178.3	3919.8	3452.1	3087.7	2766.7	2485.0
-70°	4243.4	4019.4	3817.1	3603.7	3391.4	3175.5	2957.9	2707.7	2473.6	2252.5	2016.4
-72.5°	3492.4	3268.3	3090.8	2904.2	2718.2	2519.9	2318.4	2132.3	1960.7	1782.7	1601.4
-75°	2748.8	2578.9	2459.2	2329.5	2168.3	1983.3	1806.7	1651.2	1520.8	1391.6	1263.2
-77.5°	2090.6	1996.1	1917.7	1826.9	1706.9	1549.3	1407.4	1289.1	1185.2	1088.1	986.6
-80°	1564.4	1499.0	1446.1	1380.4	1291.5	1177.3	1077.0	991.4	911.9	839.7	761.9
-82.5°	1131.2	1072.4	1036.1	995.3	939.5	854.0	780.1	724.2	669.5	621.6	568.3
-85°	805.9	772.5	746.6	721.3	670.8	616.7	563.1	504.8	460.6	424.3	387.2
-87.5°	475.5	459.4	435.3	410.7	382.7	350.6	322.2	299.4	266.4	236.3	205.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	69.0	55.6	52.6	49.6	46.5	43.2	39.9	36.5	33.1	35.0	30.8
85°	175.6	159.5	144.9	130.8	120.9	107.6	91.7	76.8	66.5	70.0	61.5
82.5°	376.8	334.6	291.9	251.6	223.4	203.4	175.8	148.5	128.6	116.5	97.3
80°	700.8	586.5	504.3	443.1	392.3	343.4	289.7	232.5	192.9	168.9	142.9
77.5°	1219.7	903.7	786.3	688.3	600.9	509.8	431.2	365.9	299.1	235.4	187.9
75°	2132.3	1482.3	1182.4	996.8	848.5	749.2	635.9	513.8	414.9	335.5	255.8
72.5°	4980.2	3137.4	1900.4	1379.0	1179.1	1010.9	855.8	701.6	557.8	433.0	336.3
70°	9311.0	5596.5	2944.2	1936.4	1514.4	1284.9	1096.6	893.0	711.6	555.7	415.5
67.5°	13000.1	8457.8	4606.1	2621.9	1837.7	1563.3	1334.7	1100.6	872.0	677.5	513.0
65°	16040.1	11379.1	6776.5	3351.5	2249.8	1842.7	1569.2	1305.2	1037.0	803.3	610.1
62.5°	19030.0	14251.9	9284.8	5094.3	2821.3	2147.2	1806.0	1513.6	1197.7	938.6	703.2
60°	21909.1	16613.2	11899.8	6937.5	3621.6	2524.2	2066.1	1720.2	1377.9	1069.4	813.6
57.5°	25235.6	18466.6	13731.9	9005.5	4907.4	2947.4	2346.7	1957.2	1553.9	1218.3	919.9
55°	27791.6	21005.7	15409.5	10720.5	6132.4	3610.5	2649.0	2200.0	1757.4	1366.7	1022.6
52.5°	29730.7	23565.8	16898.0	12287.2	7809.7	4280.5	2990.3	2449.5	1949.2	1508.7	1143.9
50°	30830.7	26050.5	19800.0	13616.2	9309.9	5466.1	3418.2	2673.0	2128.8	1668.1	1262.0
47.5°	33385.9	27581.7	22820.9	16184.4	10805.4	6608.6	3879.5	2929.7	2323.1	1820.3	1373.9
45°	36091.2	29476.5	24636.9	18986.2	12656.8	7973.2	4695.4	3184.9	2505.6	1967.5	1490.8
42.5°	39234.6	31356.0	26338.7	21021.8	14871.4	9413.4	5318.3	3468.3	2692.9	2118.5	1612.2
40°	43452.3	33912.5	27753.5	23106.7	16842.4	10999.1	6422.2	3871.3	2871.8	2257.5	1723.9
37.5°	46845.2	36390.6	29283.2	24112.0	18718.0	12630.7	7443.4	4153.9	3037.2	2383.9	1825.5
35°	48716.1	38216.8	30179.7	24696.1	20115.4	14065.5	8422.5	4555.0	3217.1	2503.4	1920.6
32.5°	49423.1	39460.5	31223.8	25258.9	20491.9	15313.2	9626.3	5218.7	3388.3	2618.4	2004.8
30°	50241.9	40599.3	32392.4	25975.2	20815.2	16429.7	10727.2	5670.7	3538.2	2719.1	2076.4
27.5°	50340.3	41859.2	33745.2	27098.9	21474.8	17074.3	11638.8	5981.1	3664.8	2804.4	2137.0
25°	50248.2	42706.3	34972.1	28228.7	22157.0	17298.4	12278.1	6813.8	3903.7	2880.5	2186.9
22.5°	49303.4	42996.8	35900.1	29222.7	22568.5	17444.3	12712.3	7444.6	4164.1	2968.8	2240.5
20°	48260.0	42929.8	36498.9	29872.3	23002.1	17524.9	12939.0	7930.6	4359.4	3047.5	2294.8
17.5°	47152.2	42585.6	36788.8	30296.6	23380.4	17614.8	12972.0	8191.5	4496.4	3114.5	2339.8
15°	45573.5	41804.9	36769.0	30496.8	23460.8	17453.3	12815.8	8281.1	4581.9	3163.4	2378.3
12.5°	43845.8	40787.8	36212.7	30271.4	23208.0	17116.4	12581.8	8262.0	4615.8	3207.1	2410.2
10°	41805.1	39399.4	35324.7	29591.5	22630.7	16625.9	12229.0	8145.4	4701.5	3246.9	2432.1
7.5°	39348.0	37588.9	33966.3	28554.0	21817.8	15973.4	11787.1	7969.4	4741.0	3273.9	2445.6
5°	36455.7	35337.0	32163.2	27063.4	20689.8	15164.9	11235.6	7705.3	4729.5	3283.8	2456.0
2.5°	33247.1	32626.3	29882.7	25175.0	19278.0	14195.8	10636.5	7471.4	4694.3	3278.0	2456.5
0°	29755.1	29461.5	27094.7	22883.9	17621.9	13106.1	9951.6	7163.8	4606.7	3258.3	2447.4
-2.5°	26192.5	25941.3	23866.3	20288.3	15849.8	12076.6	9492.9	6956.0	4522.8	3240.4	2437.4
-5°	22783.3	22431.1	20688.9	17785.6	14172.0	11117.6	9010.7	6699.1	4400.9	3209.5	2418.0
-7.5°	19715.1	19264.6	17822.9	15497.1	12714.2	10449.9	8722.2	6512.0	4291.9	3167.7	2389.5
-10°	17172.1	16685.9	15477.6	13840.4	11748.5	9971.2	8435.6	6302.1	4184.9	3119.2	2357.0
-12.5°	15360.4	14792.8	13926.5	12615.4	11028.9	9671.5	8273.2	6119.7	4073.1	3058.1	2317.3
-15°	14161.2	13581.4	12851.2	11737.2	10582.4	9581.4	8111.3	5928.5	3995.8	2985.4	2269.8
-17.5°	13440.9	12869.5	12131.9	11303.2	10327.4	9609.1	8005.2	5684.0	3888.8	2900.4	2209.6
-20°	12928.4	12228.2	11585.0	10773.4	10153.0	9371.5	7716.6	5365.6	3738.2	2802.1	2136.1



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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°	12085.6	11452.8	10829.5	10095.3	9715.1	8855.4	7139.9	5009.6	3557.6	2688.6	2053.0
-25°	11511.9	10855.4	10220.2	9752.9	9320.4	8439.9	6575.0	4625.4	3359.1	2559.0	1971.0
-27.5°	11291.8	10589.3	9994.7	9600.0	9258.0	8077.0	6122.1	4208.3	3164.8	2445.1	1899.2
-30°	11199.1	10451.8	9920.9	9631.5	9141.4	7676.7	5677.7	3968.9	3001.5	2337.2	1821.2
-32.5°	11042.1	10340.8	9891.0	9572.0	8757.7	7123.0	5194.5	3709.2	2831.1	2229.1	1737.3
-35°	10879.8	10235.2	9875.6	9526.7	8399.5	6547.7	4663.3	3404.5	2653.0	2112.2	1649.4
-37.5°	10780.8	10284.8	9904.5	9173.6	7817.9	5966.2	4240.4	3154.2	2487.8	1996.9	1561.4
-40°	10755.3	10295.2	9832.3	8793.1	7221.7	5366.6	3870.3	2930.3	2338.8	1887.5	1471.5
-42.5°	10699.2	10206.0	9334.0	8074.2	6494.5	4775.9	3447.4	2683.2	2182.9	1773.2	1376.0
-45°	10482.6	9714.9	8656.8	7285.3	5694.5	4166.4	3117.3	2467.0	2027.5	1654.1	1274.7
-47.5°	10131.5	9121.4	7840.5	6331.2	4928.7	3573.3	2753.0	2256.0	1882.4	1526.5	1173.9
-50°	9706.6	8395.2	6792.4	5399.4	4187.1	3190.3	2494.3	2049.1	1730.3	1391.4	1078.2
-52.5°	8852.4	7013.3	5563.7	4600.4	3674.3	2808.0	2245.9	1873.6	1573.2	1254.0	978.6
-55°	6682.4	5263.9	4524.7	3841.9	3147.6	2473.4	2015.1	1688.3	1415.7	1135.0	876.7
-57.5°	4735.8	4034.5	3570.0	3048.6	2588.2	2115.6	1776.8	1509.7	1258.5	1009.9	781.7
-60°	3697.6	3256.1	2815.1	2500.1	2119.1	1821.3	1555.6	1325.5	1106.5	882.7	683.7
-62.5°	3082.4	2711.5	2386.9	2087.5	1809.1	1565.6	1351.3	1157.2	950.5	768.6	584.3
-65°	2632.4	2304.5	2035.2	1760.6	1543.4	1334.1	1167.0	994.5	823.5	654.9	517.1
-67.5°	2210.0	1940.7	1714.3	1501.2	1302.0	1142.6	991.7	846.5	700.5	560.1	447.8
-70°	1801.6	1598.3	1410.2	1253.5	1094.2	956.3	831.1	703.0	586.7	473.8	378.7
-72.5°	1432.8	1294.6	1162.3	1023.8	900.4	784.8	671.6	581.0	482.5	386.5	321.4
-75°	1140.4	1036.4	933.5	825.9	720.0	632.3	551.4	469.4	389.7	321.2	263.6
-77.5°	893.5	809.9	731.5	653.8	578.8	500.9	436.7	380.1	320.5	255.0	213.1
-80°	693.9	631.3	569.5	503.2	448.8	394.0	343.1	297.3	252.2	202.5	175.1
-82.5°	520.5	471.9	419.9	371.8	330.1	294.4	252.7	217.4	187.6	155.2	136.4
-85°	354.8	324.1	288.3	256.5	228.5	204.6	166.4	137.6	121.6	105.7	92.8
-87.5°	186.0	172.5	156.4	135.6	118.5	105.6	82.9	68.2	60.9	52.9	46.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	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	0.0	0.0	0.0	0.0
87.5°	26.5	22.2	17.8	13.4	8.9	4.5	0.0
85°	52.9	44.3	35.5	26.7	17.8	8.9	0.0
82.5°	79.3	66.3	53.2	40.0	26.7	13.4	0.0
80°	114.7	90.0	70.8	53.2	35.5	17.8	0.0
77.5°	150.6	118.1	90.0	66.3	44.3	22.2	0.0
75°	185.8	145.9	112.2	79.3	52.9	26.5	0.0
72.5°	244.7	173.3	134.0	94.4	61.5	30.8	0.0
70°	310.1	211.9	155.5	109.6	70.0	35.0	0.0
67.5°	373.6	261.5	176.5	124.5	78.3	39.2	0.0
65°	443.2	309.1	204.4	138.8	86.7	43.3	0.0
62.5°	519.8	354.7	238.0	152.5	95.3	47.3	0.0
60°	593.8	405.4	270.1	165.6	103.6	51.2	0.0
57.5°	665.0	462.7	300.8	178.8	111.8	55.0	0.0
55°	751.7	517.4	330.0	200.0	119.7	58.7	0.0
52.5°	835.1	569.6	360.5	220.6	127.4	62.3	0.0
50°	915.2	621.4	402.1	240.3	134.8	65.8	0.0
47.5°	994.6	687.3	442.2	259.2	142.0	69.2	0.0
45°	1085.9	749.8	480.0	277.3	148.9	72.4	0.0
42.5°	1172.3	808.8	515.3	294.5	155.5	75.5	0.0
40°	1252.6	864.2	548.0	310.8	161.8	78.4	0.0
37.5°	1324.2	915.8	578.1	325.8	167.8	81.2	0.0
35°	1395.6	967.3	611.9	345.2	176.3	84.0	0.0
32.5°	1464.0	1016.2	645.5	365.3	185.3	86.6	0.0
30°	1524.4	1060.8	676.2	383.9	193.5	89.1	0.0
27.5°	1578.6	1100.8	705.1	401.0	201.2	91.4	0.0
25°	1624.6	1136.5	730.7	416.6	208.1	93.5	0.0
22.5°	1662.2	1166.9	752.7	430.5	214.4	95.4	0.0
20°	1693.5	1190.7	771.3	442.8	219.9	97.2	0.0
17.5°	1724.8	1209.4	786.5	453.1	224.8	98.7	0.0
15°	1751.4	1224.9	798.3	461.5	229.0	100.0	0.0
12.5°	1771.3	1237.8	807.3	467.9	232.4	101.2	0.0
10°	1784.5	1250.8	813.5	472.5	235.2	102.1	0.0
7.5°	1797.8	1263.3	816.8	475.3	237.3	102.8	0.0
5°	1806.4	1270.6	817.3	476.3	238.6	103.3	0.0
2.5°	1808.1	1273.0	815.1	475.6	239.3	103.6	0.0
0°	1803.0	1270.5	810.0	473.3	239.4	103.8	0.0
-2.5°	1797.7	1268.6	811.2	472.5	239.2	103.9	0.0
-5°	1785.7	1261.9	809.6	470.1	238.3	103.8	0.0
-7.5°	1767.3	1250.5	805.2	466.2	236.8	103.5	0.0
-10°	1743.1	1234.4	797.8	460.8	234.7	103.0	0.0
-12.5°	1713.8	1213.9	787.5	453.7	231.9	102.3	0.0
-15°	1677.2	1189.0	773.6	445.2	228.5	101.3	0.0
-17.5°	1633.0	1161.6	755.6	435.1	224.4	100.2	0.0
-20°	1582.1	1131.3	735.1	423.9	219.8	98.9	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1533.5	1096.8	712.2	411.9	214.5	97.4	0.0
-25°	1482.6	1058.1	686.8	398.4	208.7	95.7	0.0
-27.5°	1426.1	1016.2	659.1	383.6	202.3	93.8	0.0
-30°	1364.8	971.5	629.3	367.4	195.4	91.8	0.0
-32.5°	1299.5	923.9	598.3	349.9	188.4	89.5	0.0
-35°	1228.3	873.8	564.9	331.1	180.9	87.1	0.0
-37.5°	1157.1	824.7	532.1	313.3	173.8	84.5	0.0
-40°	1092.3	778.8	504.1	300.4	168.7	81.8	0.0
-42.5°	1026.4	729.9	474.5	286.8	163.4	78.9	0.0
-45°	956.5	678.1	443.3	272.3	157.7	75.8	0.0
-47.5°	881.4	623.5	410.7	257.0	151.7	72.6	0.0
-50°	809.0	566.3	377.4	240.8	145.4	69.2	0.0
-52.5°	734.9	523.5	343.1	223.8	138.8	65.6	0.0
-55°	658.1	477.7	317.5	205.9	132.0	61.9	0.0
-57.5°	578.6	430.3	293.2	187.3	125.0	58.1	0.0
-60°	520.4	381.6	267.9	175.2	117.7	54.2	0.0
-62.5°	461.7	339.5	241.6	163.5	110.1	50.1	0.0
-65°	402.4	302.6	214.4	151.4	102.4	45.9	0.0
-67.5°	349.2	264.4	191.2	139.1	93.8	41.6	0.0
-70°	300.6	225.0	172.8	126.5	84.2	37.2	0.0
-72.5°	250.8	192.3	153.5	113.7	74.3	32.7	0.0
-75°	205.1	166.2	133.6	100.1	64.1	28.2	0.0
-77.5°	174.1	139.9	113.0	83.8	53.8	23.6	0.0
-80°	142.7	113.3	91.1	67.3	43.2	18.9	0.0
-82.5°	110.6	85.5	68.5	50.6	32.6	14.2	0.0
-85°	74.0	57.1	45.8	33.8	21.8	9.5	0.0
-87.5°	37.1	28.6	22.9	16.9	10.9	4.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)