

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: P902073 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-A35-VWB-LTM**

Issue Date: 11/13/2024

**Test Information**

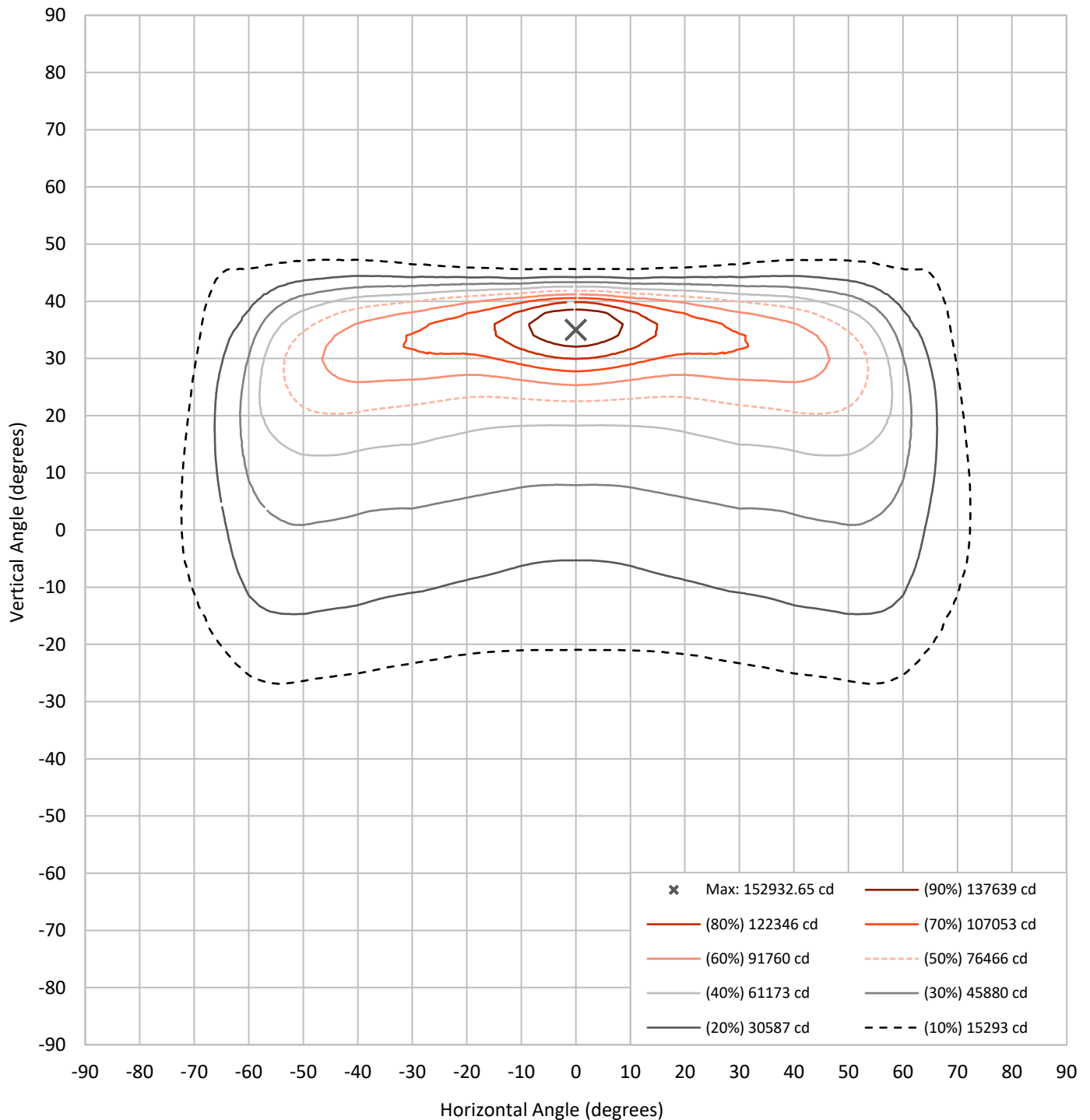
Test Method: LM-79-08  
Report Number: P902073 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( LVM2049400)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/13/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-AV-03-1360S-57-85-A35-VWB-LTM  
Description: ARENAVISION LUMINAIRE  
5700K, 85 CRI LEDS AND A35-VWB-LTM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	7H x 4V
Luminaire Lumens:	134579 lumens	Max Intensity:	152932.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 35°V
Efficacy:	95.2 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	99.8°H x 19.3°V	Field Angle (10%):	137.5°H x 65.9°V
Beam Lumens:	50389.7 lumens	Field Lumens:	121834.2 lumens
Beam Efficiency:	37.4%	Field Efficiency:	90.5%
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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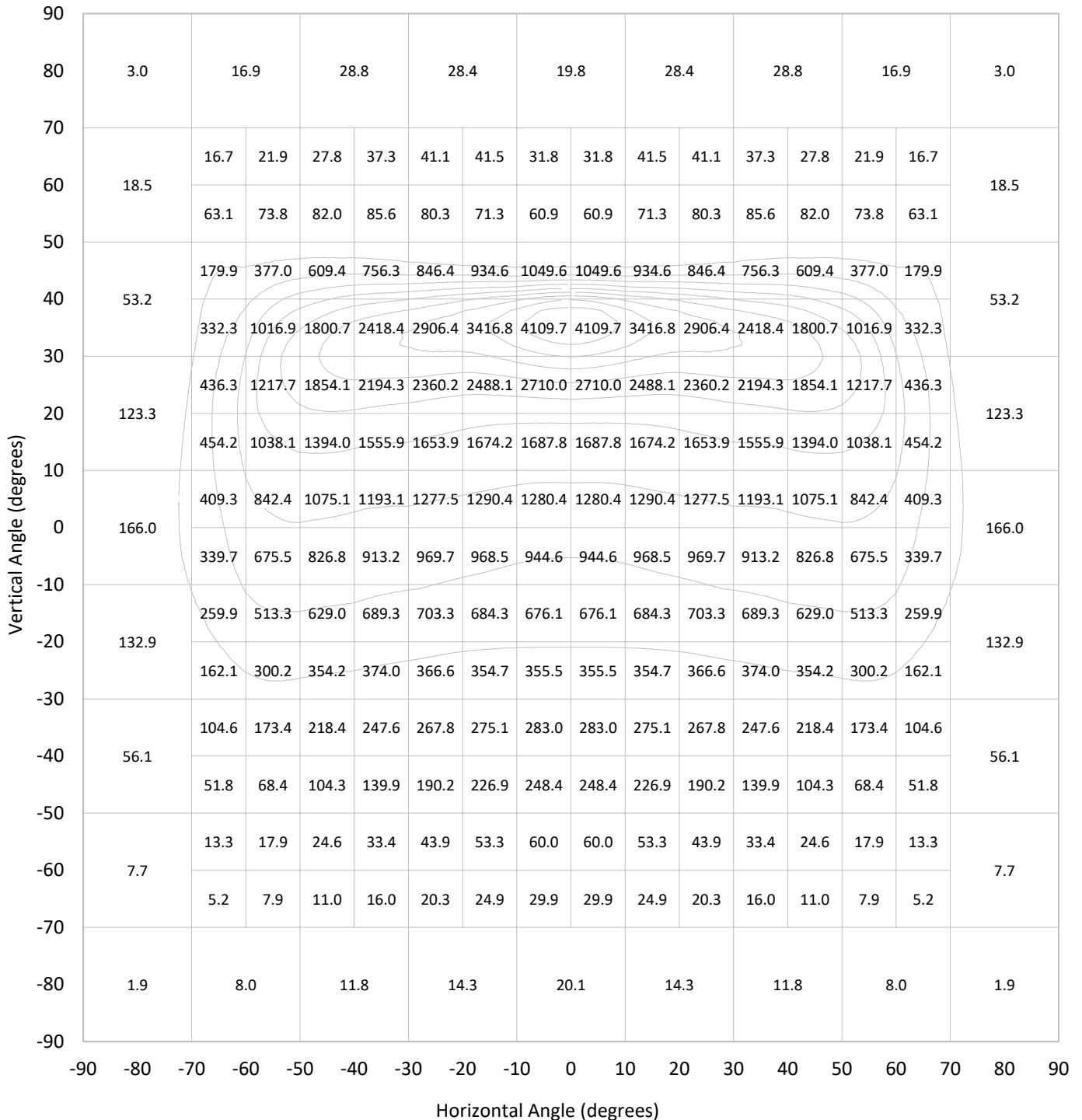
### Iso-Candela Plot





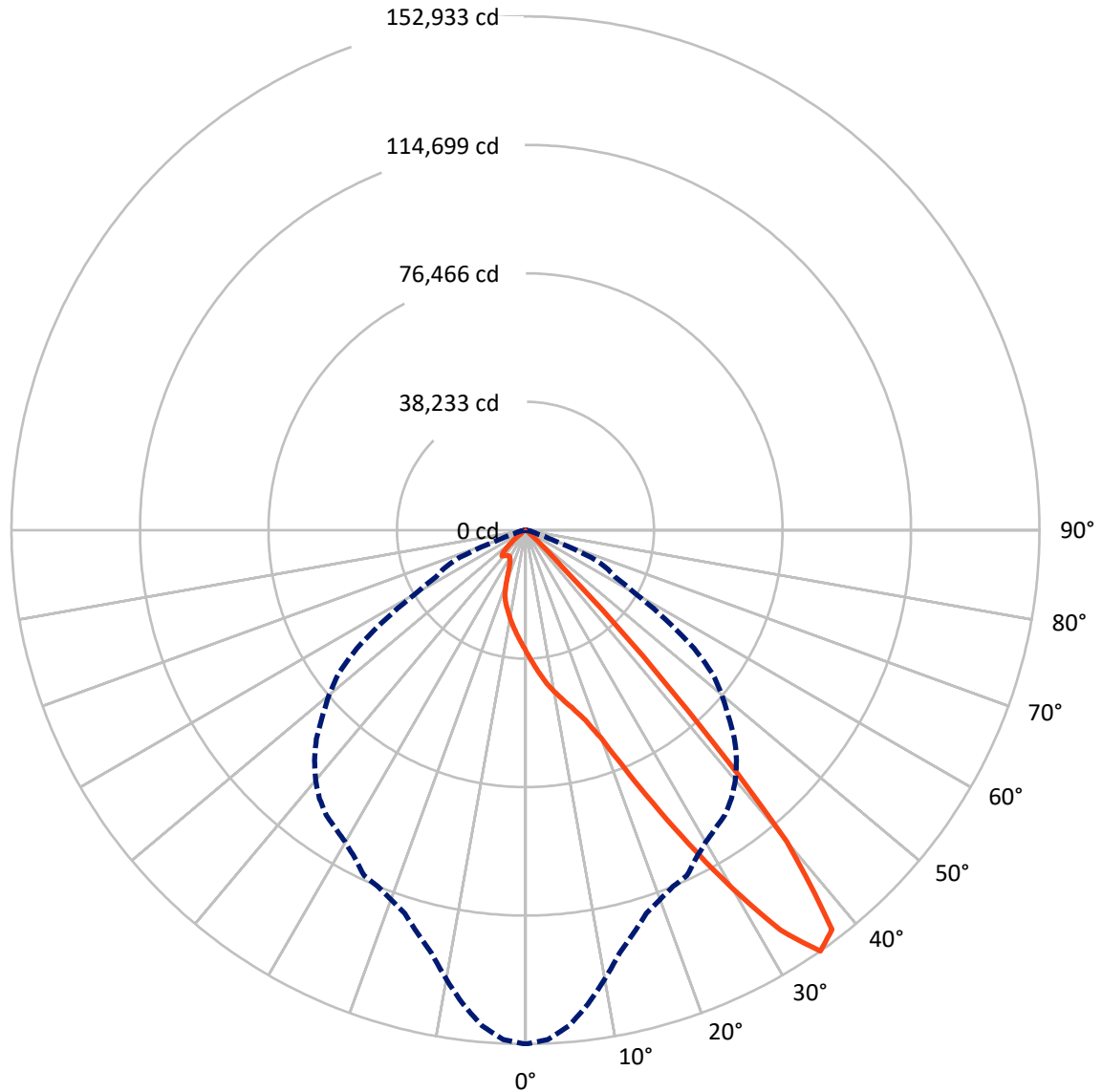
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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-VWB-LTM

### Lumen Table



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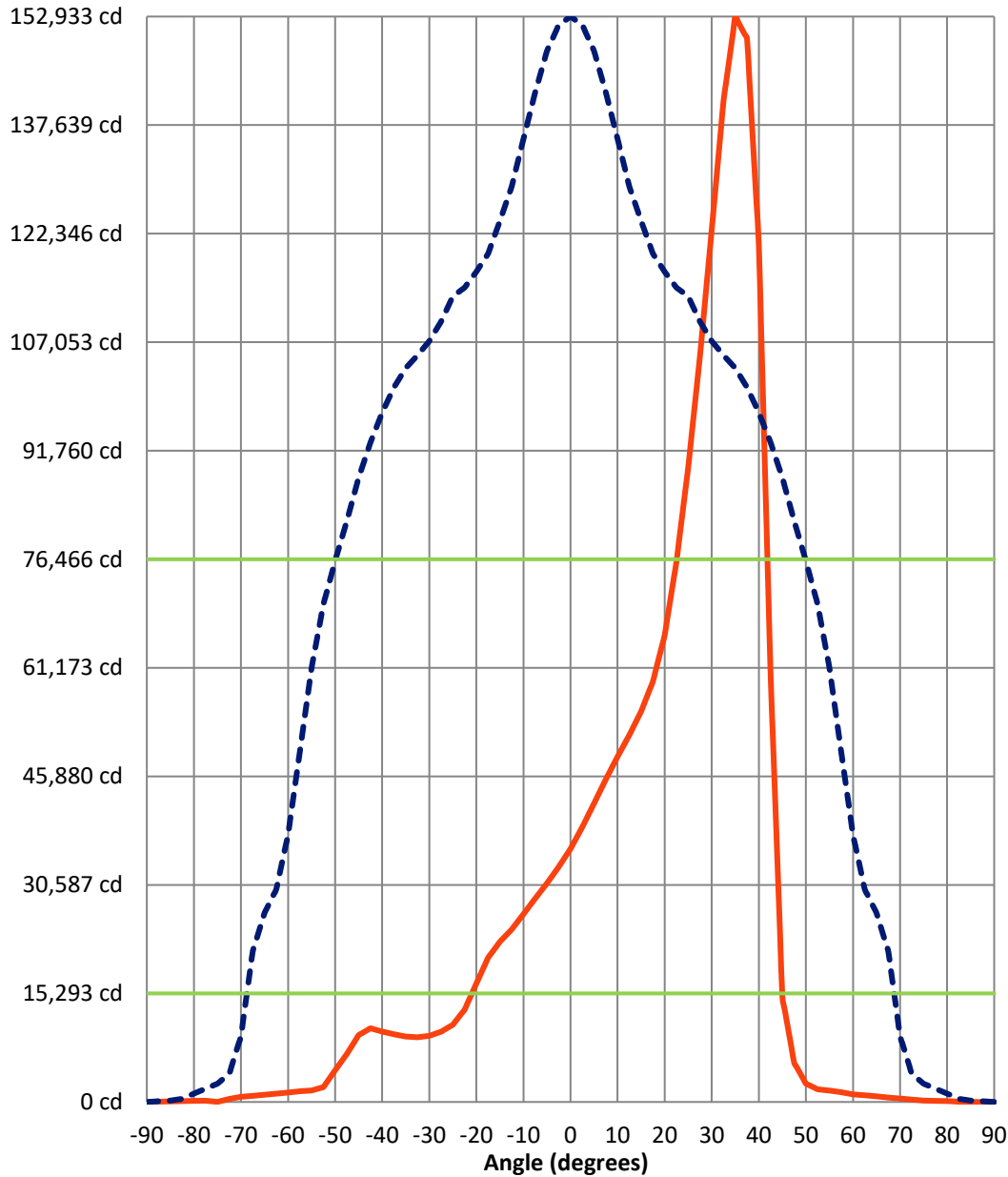
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 35-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 99.8°  
 V Angle: 19.3°  
 Lumens: 50389.7  
 Efficiency: 37.4%

**Field:**  
 H Angle: 137.5°  
 V Angle: 65.9°  
 Lumens: 121834.2  
 Efficiency: 90.5%

**Spill:**  
 Lumens: 12744.8  
 Efficiency: 9.5%

— Vertical Distribution through 0-Deg  
 - - Horizontal Distribution through 35-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	6.0	11.9	17.8	23.7	29.5	35.3	36.3	38.9	41.8	38.5
85°	0.0	11.9	23.8	35.6	47.3	59.0	70.6	72.7	77.9	83.6	80.3
82.5°	0.0	17.8	35.6	53.3	70.9	88.4	105.7	114.6	127.2	136.8	147.3
80°	0.0	23.7	47.3	70.9	94.3	121.1	146.6	166.7	182.1	191.6	217.7
77.5°	0.0	29.5	59.0	88.4	120.1	161.8	188.6	218.1	249.0	277.5	306.1
75°	0.0	35.3	70.6	105.7	149.6	202.0	231.4	296.0	344.5	372.6	409.0
72.5°	0.0	41.0	82.0	122.1	177.9	241.4	313.4	390.9	441.5	511.4	549.7
70°	0.0	46.7	93.3	138.0	204.8	302.4	409.3	487.8	608.3	679.7	722.1
67.5°	0.0	52.2	104.4	153.3	230.2	387.8	506.0	649.3	786.7	902.2	968.2
65°	0.0	57.7	114.1	168.2	278.4	473.4	633.4	822.9	1003.7	1183.5	1271.1
62.5°	0.0	63.0	122.7	182.5	347.3	559.3	794.6	998.9	1280.4	1538.1	1695.1
60°	0.0	68.2	131.0	196.1	414.6	666.0	956.0	1246.6	1563.8	2171.5	2372.6
57.5°	0.0	73.3	139.0	211.3	480.3	796.3	1117.5	1492.7	2124.5	2848.6	3799.0
55°	0.0	78.3	146.6	250.2	544.3	923.8	1312.7	1728.8	2704.4	4259.4	5528.8
52.5°	0.0	83.1	153.9	284.9	612.9	1047.8	1496.9	2088.9	3233.8	5780.7	7824.5
50°	0.0	87.7	160.7	315.1	706.1	1162.9	1675.4	2401.5	4134.9	7555.8	10273.5
47.5°	0.0	92.2	167.2	340.7	792.9	1299.1	1849.2	2644.5	4852.9	9510.8	12842.9
45°	0.0	96.5	173.3	361.5	871.3	1429.4	2011.4	2897.4	5308.1	11174.7	15843.6
42.5°	0.0	100.6	178.9	377.6	949.6	1553.3	2141.9	3187.2	6384.2	13246.2	19150.8
40°	0.0	104.6	184.1	392.8	1027.6	1670.6	2258.2	3418.7	7174.7	16117.9	21444.8
37.5°	0.0	108.3	188.9	406.6	1105.2	1781.1	2385.5	3584.4	7675.6	18857.2	23990.5
35°	0.0	111.0	197.0	447.8	1182.3	1880.8	2582.1	3959.5	9315.1	21232.7	26620.7
32.5°	0.0	113.3	205.2	495.1	1254.6	1982.0	2829.9	4598.4	11637.6	23202.2	28306.3
30°	0.0	115.4	212.1	536.0	1320.9	2089.1	3086.4	5297.1	13646.4	24933.7	29669.2
27.5°	0.0	117.4	219.1	570.4	1365.2	2201.0	3400.0	5945.4	15548.1	26881.5	30623.6
25°	0.0	119.2	225.4	598.6	1404.4	2316.6	3748.0	6542.2	17198.2	27926.2	31807.3
22.5°	0.0	120.8	230.8	620.5	1440.1	2435.6	4113.2	7755.4	18565.7	28038.2	32682.6
20°	0.0	122.2	235.5	636.5	1471.8	2560.9	4560.1	9375.9	19922.9	28107.9	33117.5
17.5°	0.0	123.5	239.3	644.4	1499.2	2689.0	5175.7	10783.8	21112.2	28029.2	33299.7
15°	0.0	124.6	242.4	644.3	1521.8	2857.7	5801.1	12030.9	21937.7	27734.6	33244.3
12.5°	0.0	125.5	244.7	637.5	1541.6	3068.8	6410.7	13137.0	22338.4	27363.7	33054.3
10°	0.0	126.2	246.3	624.6	1558.3	3263.0	6994.5	14060.5	22320.8	26643.2	32524.7
7.5°	0.0	126.8	247.2	606.4	1570.1	3437.6	7520.1	14760.8	21999.6	25807.0	31615.1
5°	0.0	127.2	247.4	583.7	1576.0	3591.7	7985.3	15051.3	21234.9	24814.8	30538.3
2.5°	0.0	127.4	246.9	557.3	1574.8	3719.1	8390.1	15187.1	20237.6	23652.5	29315.0
0°	0.0	127.4	245.8	527.9	1565.5	3813.5	8728.3	15199.5	19131.4	22398.9	27959.9
-2.5°	0.0	127.3	245.3	522.8	1548.0	3962.9	8999.4	14893.9	18172.5	21315.0	26732.6
-5°	0.0	127.1	244.2	515.7	1521.5	4066.9	9201.4	14536.9	17188.6	20142.5	25379.5
-7.5°	0.0	126.6	242.6	506.8	1486.1	4119.4	9337.9	14168.2	16275.4	19036.1	24000.4
-10°	0.0	126.0	240.3	496.1	1442.1	4114.5	9386.9	13786.1	15583.2	17968.7	22552.8
-12.5°	0.0	125.2	237.5	483.8	1389.7	4045.8	9312.6	13420.6	14898.8	16874.3	21038.8
-15°	0.0	124.3	234.1	470.0	1325.6	3911.6	9208.3	13100.4	14117.1	15745.2	19444.2
-17.5°	0.0	123.2	230.1	454.8	1244.9	3788.1	9083.4	12580.3	13183.9	14560.6	17568.8
-20°	0.0	121.9	225.6	438.3	1159.4	3668.8	8832.4	11896.7	12240.0	13188.1	15379.4



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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	120.5	220.6	420.3	1069.9	3488.0	8316.8	11264.2	11300.9	11751.0	13308.7
-25°	0.0	118.9	215.0	401.0	977.0	3203.1	7722.5	10546.6	10397.5	10375.2	11735.7
-27.5°	0.0	117.1	208.9	380.5	881.4	2848.7	7087.8	9743.0	9609.5	9509.3	10274.2
-30°	0.0	115.2	202.3	358.7	783.4	2442.3	6369.0	9019.2	9000.3	8859.5	9323.1
-32.5°	0.0	113.1	195.2	335.8	681.4	1983.1	5454.4	8384.3	8580.1	8244.4	8534.1
-35°	0.0	110.9	187.7	311.9	579.5	1470.8	4501.6	7784.4	8185.6	7798.5	7824.9
-37.5°	0.0	108.3	180.7	290.6	498.4	1053.6	3611.9	6795.7	7620.8	7341.1	7199.9
-40°	0.0	104.6	175.7	277.8	462.5	913.4	2885.3	5368.9	6549.3	6727.7	6464.7
-42.5°	0.0	100.6	170.5	264.8	426.6	780.4	2131.9	3891.8	5283.1	5673.9	5557.7
-45°	0.0	96.5	165.0	251.2	390.6	654.8	1439.3	2387.9	3825.6	4281.2	4129.8
-47.5°	0.0	92.2	159.3	237.1	354.6	537.1	871.4	1527.9	2495.4	2834.6	2795.0
-50°	0.0	87.7	153.3	222.6	318.8	427.7	704.9	1182.1	1675.1	1652.2	1732.9
-52.5°	0.0	83.1	147.1	207.6	284.1	388.0	599.9	908.7	1074.8	1241.2	1294.4
-55°	0.0	78.3	140.7	192.2	261.4	353.7	500.9	712.0	887.6	985.5	1029.3
-57.5°	0.0	73.3	134.1	176.4	241.1	318.3	404.8	595.8	697.9	735.1	779.5
-60°	0.0	68.2	127.3	165.0	220.3	281.4	356.6	470.1	518.4	565.1	566.3
-62.5°	0.0	63.0	120.4	153.7	198.9	250.1	309.9	355.2	429.1	437.0	461.1
-65°	0.0	57.7	113.2	142.3	177.2	224.5	264.6	310.2	348.2	370.2	399.7
-67.5°	0.0	52.2	104.4	130.8	158.5	199.7	229.7	266.3	290.7	314.9	343.2
-70°	0.0	46.7	93.3	119.1	143.4	175.3	203.1	225.1	246.4	265.8	291.1
-72.5°	0.0	41.0	82.0	107.3	128.2	154.0	176.5	195.5	205.3	219.3	241.6
-75°	0.0	35.3	70.6	94.7	112.7	135.1	151.3	166.0	178.3	178.0	194.4
-77.5°	0.0	29.5	59.0	78.8	97.1	115.9	130.3	139.5	152.8	149.6	155.8
-80°	0.0	23.7	47.3	63.0	78.9	96.6	109.6	118.6	119.7	119.7	118.5
-82.5°	0.0	17.8	35.6	47.3	59.2	73.7	88.1	97.9	81.7	85.1	87.0
-85°	0.0	11.9	23.8	31.5	39.5	49.2	58.8	68.3	47.5	52.2	57.7
-87.5°	0.0	6.0	11.9	15.7	19.8	24.6	29.4	34.2	23.4	26.1	28.8
-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):**

	-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°	34.7	34.1	36.7	39.1	41.5	43.9	30.9	32.2	33.5	34.9	36.1
85°	80.1	82.1	90.8	90.5	86.4	87.8	86.7	85.5	82.7	86.3	72.9
82.5°	153.8	151.5	161.9	157.4	148.6	147.6	155.7	149.1	147.3	140.0	148.4
80°	238.4	247.8	250.9	249.7	238.5	237.6	246.5	240.2	233.4	224.3	230.2
77.5°	332.5	351.4	348.4	348.6	347.6	365.3	372.0	369.5	346.1	329.3	324.4
75°	445.6	460.0	453.6	464.3	473.5	487.7	521.4	533.5	508.2	476.1	464.0
72.5°	570.0	590.5	600.3	606.2	613.8	632.9	666.9	708.3	736.6	730.8	699.8
70°	749.5	741.5	751.3	751.8	762.8	786.9	813.6	879.9	965.0	1021.8	1032.6
67.5°	957.0	947.7	911.2	930.9	932.1	946.8	969.3	1004.7	1104.4	1235.6	1344.6
65°	1236.8	1202.6	1192.2	1163.2	1169.6	1149.6	1169.1	1187.3	1251.8	1379.0	1483.6
62.5°	1639.2	1595.0	1559.0	1549.1	1509.7	1495.4	1467.0	1487.1	1515.7	1588.4	1628.3
60°	2426.2	2174.0	2046.3	2015.8	1957.1	1950.8	1924.7	1893.6	1892.8	1939.6	1963.1
57.5°	3550.8	3016.8	2781.1	2602.6	2594.5	2532.0	2496.5	2397.0	2413.9	2474.8	2554.2
55°	5061.0	4246.9	3764.2	3630.4	3561.6	3495.9	3449.8	3227.1	3204.1	3234.9	3311.1
52.5°	6943.7	6041.3	5671.5	5367.7	5167.9	5240.9	5031.9	4759.7	4594.0	4425.5	4380.2
50°	9628.3	8746.4	8195.7	8039.1	8142.3	8054.3	7716.5	7575.9	7181.5	7023.1	6762.6
47.5°	12674.6	11968.0	12083.6	12690.6	13007.3	13241.8	13891.9	13726.1	13032.9	13392.4	12800.5
45°	16154.1	16368.1	17590.3	19504.1	21483.0	23028.1	23985.5	24059.2	25344.3	25553.1	24793.5
42.5°	19459.9	21164.4	25099.8	29796.1	33558.7	36580.2	39117.2	41583.4	43638.9	44847.7	45909.2
40°	23250.8	26928.9	33279.6	40481.8	47341.0	52452.3	56500.4	60337.1	64241.9	67789.3	70008.3
37.5°	26863.9	32623.8	41560.2	51609.6	60208.4	66075.9	71169.2	76498.9	81581.2	85514.5	88903.3
35°	29980.2	37691.1	49334.6	61174.7	70098.4	76242.8	81898.9	87965.4	92913.5	97139.9	100678.6
32.5°	33300.0	42734.3	55255.2	67518.1	76451.7	82105.8	87650.7	93475.2	98486.6	102399.7	105173.8
30°	35831.4	46381.8	60173.8	71867.9	79501.1	84762.7	90123.8	94610.9	98440.3	101090.0	102339.2
27.5°	37777.8	49431.5	62629.0	73009.4	79629.6	84183.6	88622.6	92144.2	94735.0	96203.2	96514.1
25°	39748.7	51522.9	63677.9	72303.4	77742.9	82014.8	85397.0	87756.0	89186.2	89500.9	88913.9
22.5°	40988.9	52861.4	63439.1	70719.2	74753.6	78279.2	80714.7	81924.7	82338.8	81920.5	80881.0
20°	41713.7	53108.8	61800.7	67286.2	70936.5	73753.1	75193.8	75741.7	75574.1	74668.2	73434.1
17.5°	41892.9	51958.2	59114.6	63661.7	66672.5	69070.6	69568.2	69738.1	69303.4	68296.8	67194.8
15°	41664.5	50401.4	56314.2	59923.6	62535.2	64246.2	64515.4	64522.4	64072.4	63074.7	62106.7
12.5°	41015.4	48601.6	53631.3	56803.1	58773.3	59955.5	60256.1	60205.3	59805.3	58948.4	58189.7
10°	40026.8	46837.8	51255.3	53871.7	55713.7	56610.3	56728.3	56681.4	56177.7	55419.1	54653.9
7.5°	38795.3	45005.8	48853.0	51218.5	52900.0	53561.5	53560.2	53414.7	52837.6	52101.0	51313.6
5°	37358.1	43144.6	46600.0	48663.6	50151.9	50625.5	50409.7	50148.2	49555.7	48777.6	47960.3
2.5°	35985.3	41412.1	44438.0	46199.0	47455.8	47741.5	47308.5	46940.9	46349.1	45561.1	44730.7
0°	34476.5	39646.2	42340.3	43832.9	44806.8	44906.8	44265.2	43832.9	43209.4	42413.0	41644.0
-2.5°	33006.2	37904.3	40294.5	41508.0	42200.0	42208.2	41462.3	40955.1	40437.6	39731.7	39034.7
-5°	31392.6	35998.4	38168.7	39136.3	39599.9	39524.3	38767.8	38326.4	37879.8	37292.4	36727.5
-7.5°	29567.6	33846.5	35959.2	36729.9	37012.7	36895.0	36195.5	35832.3	35532.6	35078.5	34605.2
-10°	27693.7	31746.9	33794.5	34330.0	34459.2	34403.6	33765.9	33442.8	33330.7	32919.1	32484.7
-12.5°	25923.6	29725.0	31642.5	32321.1	32452.3	32219.4	31836.6	31447.4	31289.6	30967.6	30504.4
-15°	23997.0	27490.3	29666.8	30328.9	30440.7	30531.9	30087.4	29790.8	29586.4	29367.1	28888.9
-17.5°	21374.3	25041.2	26810.7	27469.6	27743.2	27700.9	27605.8	27135.0	26979.5	26761.1	26199.0
-20°	18632.4	21648.3	23243.6	23898.1	23892.4	23842.1	23590.6	23154.8	22914.5	22509.6	21995.1



REPORT NUMBER: P902073 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-VWB-LTM

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	15987.2	18124.1	19784.5	20022.3	20109.6	19706.0	19427.5	19028.4	18517.3	18163.7	17707.1
-25°	13595.1	15579.3	16624.0	17148.1	16905.5	16560.1	16217.3	15831.9	15461.3	15166.1	14693.3
-27.5°	11827.0	13314.0	14393.0	14724.3	14561.5	14234.3	13801.8	13471.5	13294.4	13116.0	12832.7
-30°	10363.5	11562.2	12376.0	12856.6	12837.6	12475.5	12117.6	11812.4	11593.8	11528.4	11478.6
-32.5°	9192.1	10028.4	10776.7	11267.7	11456.9	11362.1	11067.3	10765.7	10507.5	10350.4	10375.1
-35°	8202.5	8807.5	9340.6	10031.2	10475.1	10474.3	10271.2	10072.8	9908.9	9801.8	9755.9
-37.5°	7394.6	7759.7	8170.3	8743.1	9334.8	9628.5	9603.3	9502.2	9422.0	9357.2	9313.0
-40°	6387.0	6569.7	6843.4	7269.8	7918.3	8374.9	8542.6	8610.7	8648.9	8709.1	8718.6
-42.5°	5184.6	5074.2	5146.1	5378.3	5825.2	6383.2	6820.6	7015.1	7186.5	7385.7	7580.9
-45°	3802.4	3563.5	3414.2	3370.8	3612.7	3967.7	4273.1	4555.8	4952.4	5134.4	5358.4
-47.5°	2594.8	2373.6	2172.4	2097.6	1983.4	2124.5	2489.0	2637.4	2678.2	3038.6	3150.4
-50°	1782.3	1700.7	1579.9	1468.3	1380.9	1487.8	1632.9	1786.0	2017.1	1966.4	2121.9
-52.5°	1283.0	1269.5	1258.2	1217.3	1152.1	1212.0	1286.3	1399.7	1449.9	1472.5	1506.0
-55°	1004.2	984.3	985.7	980.8	983.4	991.5	1016.0	996.5	1063.7	1075.2	1127.5
-57.5°	762.0	762.8	787.5	790.1	840.1	868.2	857.9	886.2	905.3	961.2	997.9
-60°	589.6	606.1	645.5	676.6	707.7	716.8	726.7	740.4	776.5	811.6	869.7
-62.5°	481.2	506.5	543.0	561.9	572.7	575.7	578.5	603.2	631.0	671.4	715.2
-65°	411.6	434.2	461.9	459.2	481.0	465.9	473.5	498.4	520.8	558.7	596.5
-67.5°	350.3	370.5	386.4	356.6	319.4	397.6	399.5	420.9	436.4	466.3	496.3
-70°	300.0	307.2	314.9	253.1	12.7	140.0	249.7	355.4	300.2	252.6	366.3
-72.5°	250.9	254.9	256.3	266.2	186.5	107.6	39.4	56.8	151.5	93.9	33.4
-75°	206.1	209.3	206.5	218.2	223.3	227.2	215.9	152.3	180.5	240.9	249.8
-77.5°	163.8	171.4	168.6	176.5	181.2	183.4	187.8	182.4	185.3	188.9	184.5
-80°	127.7	136.4	135.8	139.4	147.1	129.3	134.9	139.3	146.2	141.7	144.1
-82.5°	94.3	102.2	109.6	107.5	106.8	99.8	92.9	96.4	100.5	104.4	108.2
-85°	63.0	68.2	73.3	74.5	73.8	76.7	67.7	68.6	69.9	71.2	72.5
-87.5°	31.5	34.1	36.7	39.1	41.5	43.9	46.1	48.3	50.3	52.3	54.1
-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: P902073 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-VWB-LTM

**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°	37.3	38.4	37.8	21.3	2.9	2.9	2.1	2.1	2.2	1.8	1.8
85°	76.6	79.4	62.9	45.5	28.1	26.1	19.7	15.6	9.8	2.7	2.6
82.5°	160.0	146.1	134.3	125.5	113.6	102.0	88.4	74.3	57.6	41.7	41.5
80°	242.1	219.1	236.8	232.0	218.7	203.9	187.9	170.0	151.5	130.8	130.6
77.5°	320.3	295.7	352.2	361.6	341.3	315.3	286.0	251.5	212.7	171.0	166.4
75°	465.5	439.7	483.7	489.9	452.4	409.8	369.1	335.3	298.9	258.7	254.1
72.5°	688.4	659.6	665.9	686.3	665.4	642.7	619.8	593.8	563.7	531.0	517.1
70°	1005.6	948.2	907.1	936.7	928.2	916.8	900.7	879.9	853.4	822.4	794.2
67.5°	1338.3	1273.9	1176.7	1204.5	1202.2	1191.0	1172.6	1146.6	1112.1	1070.8	1032.3
65°	1580.8	1602.3	1422.5	1482.6	1487.4	1484.8	1476.2	1460.8	1437.6	1407.2	1362.3
62.5°	1721.4	1810.3	1643.5	1761.1	1812.9	1817.3	1814.7	1785.4	1776.0	1734.4	1622.8
60°	1983.5	2031.2	1890.2	1985.1	2227.2	2201.4	2020.0	1804.6	1976.2	1860.7	1692.4
57.5°	2452.1	2422.3	2311.9	2224.0	2487.3	2408.0	2179.4	2066.2	2099.3	1890.3	1735.6
55°	3214.3	3011.1	2830.4	2537.6	2727.9	2746.5	2533.8	2474.8	2320.2	2044.4	1888.0
52.5°	4111.4	3917.2	3524.7	3225.3	3268.1	3339.1	3043.4	2861.5	2484.3	2290.4	2181.7
50°	6105.1	5789.7	5007.7	4742.2	4742.2	4474.3	4051.0	3977.0	3976.7	3741.7	3661.5
47.5°	11914.5	11236.7	9891.5	9235.4	8044.7	8182.8	7199.1	6402.6	6424.6	6098.8	5745.6
45°	24726.8	23804.9	22172.2	22595.0	20887.4	20867.6	19078.9	18942.5	18337.0	16459.3	15151.4
42.5°	46585.5	46352.8	46990.8	48461.0	49185.0	50834.9	51960.5	52143.5	53809.3	52994.2	54172.8
40°	71790.1	73820.5	75970.3	78619.4	82883.4	85371.1	89683.0	91704.8	96442.4	100488.7	104139.8
37.5°	91767.2	94561.4	96572.5	99962.3	104618.7	106864.9	110682.7	113585.3	119404.5	123983.9	130374.9
35°	103401.6	105205.3	107207.3	109953.1	113501.1	114748.7	116976.0	119544.7	124130.6	128977.2	135678.5
32.5°	106309.1	107409.1	108762.4	110558.0	112422.7	112459.0	113296.4	114941.1	117973.3	121947.3	127207.7
30°	102847.8	103331.5	103987.4	104830.7	104739.7	104284.2	104081.9	104846.8	106815.0	109786.9	113129.2
27.5°	96294.9	96228.6	96274.4	95944.9	94789.3	93883.6	93185.5	93341.8	94471.0	96145.4	98405.4
25°	88064.5	87671.4	86991.4	86304.0	84802.8	83748.1	82863.4	82496.4	83082.6	84078.3	85264.0
22.5°	79941.7	79154.7	78425.3	77419.2	75915.5	74917.3	73779.5	73299.0	73320.5	73645.4	74240.1
20°	72503.8	71692.9	70962.6	70042.4	68619.5	67644.6	66693.1	65955.0	65753.7	65648.4	65477.4
17.5°	66412.8	65661.0	65238.0	64333.5	63288.3	62499.1	61552.3	60810.9	60200.0	59786.1	59385.0
15°	61562.9	61230.4	61062.7	60344.1	59443.9	58704.7	57822.3	56987.1	56283.0	55735.2	55158.8
12.5°	57841.4	57565.9	57735.6	57016.8	56286.3	55546.6	54675.8	53835.2	53161.8	52462.1	51989.0
10°	54473.4	54146.9	54390.8	53761.3	53018.6	52347.5	51486.3	50859.8	50176.3	49563.3	49011.7
7.5°	51078.9	50820.2	50958.6	50310.8	49600.8	48990.1	48314.0	47662.3	47069.1	46489.2	45954.5
5°	47655.5	47452.2	47506.6	46894.4	46170.2	45612.0	45009.4	44431.0	43856.8	43289.4	42746.4
2.5°	44411.7	44159.4	44266.0	43607.5	42954.6	42422.1	41848.3	41238.0	40716.4	40162.8	39602.6
0°	41330.0	41070.6	41248.0	40633.7	39919.3	39436.8	38918.1	38376.5	37833.5	37252.6	36667.7
-2.5°	38764.4	38522.0	38584.1	38027.7	37367.5	36900.9	36377.7	35815.8	35264.8	34651.1	34022.8
-5°	36467.1	36218.3	36246.6	35720.7	35075.5	34556.3	34035.8	33512.7	32947.1	32319.2	31702.0
-7.5°	34330.6	34086.6	33965.3	33523.2	32862.4	32293.0	31798.7	31267.0	30712.0	30098.4	29520.5
-10°	32129.9	31834.6	31529.5	31225.6	30516.6	29951.7	29322.6	28769.8	28250.4	27696.4	27205.2
-12.5°	29986.3	29510.3	29044.0	28724.0	27875.1	27353.8	26705.5	26099.6	25559.2	25109.7	24709.1
-15°	28269.2	27751.5	27169.9	26721.6	25937.1	25306.6	24683.0	24094.2	23564.6	23166.8	22932.9
-17.5°	25606.0	25085.6	24479.9	24127.0	23266.1	22605.5	22037.1	21442.6	21006.2	20724.2	20569.3
-20°	21429.1	20895.8	20283.0	19815.2	19182.6	18532.4	18025.5	17588.7	17218.0	16986.6	16858.8



REPORT NUMBER: P902073 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-VWB-LTM

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	17144.7	16617.9	16078.5	15606.3	15042.8	14484.3	14060.2	13649.6	13432.8	13173.4	13104.1
-25°	14228.3	13754.1	13292.2	12848.5	12480.8	12057.4	11705.2	11397.1	11222.0	11071.3	10993.2
-27.5°	12411.8	12011.7	11628.9	11265.7	11057.5	10708.5	10462.0	10240.8	10131.8	10043.1	10006.3
-30°	11229.8	10965.4	10695.2	10437.7	10203.9	9936.4	9696.7	9549.0	9497.7	9399.6	9392.2
-32.5°	10412.7	10350.4	10185.0	9921.4	9690.9	9533.8	9322.8	9179.2	9191.7	9144.6	9103.8
-35°	9876.1	9987.4	9922.6	9727.8	9547.4	9469.6	9271.9	9200.7	9183.8	9173.0	9180.6
-37.5°	9417.0	9597.7	9741.2	9716.4	9653.7	9597.0	9467.5	9435.5	9426.5	9445.0	9453.2
-40°	8813.4	9039.3	9358.5	9570.4	9660.2	9695.6	9758.7	9676.8	9716.7	9800.3	9814.5
-42.5°	7650.4	7966.2	8411.3	8824.0	9232.2	9312.7	9598.0	9601.5	9756.4	9984.0	9992.0
-45°	5638.9	5908.3	6405.7	6915.3	7467.8	7631.9	8067.9	8222.9	8410.0	8715.6	8965.4
-47.5°	3360.9	3605.1	3933.5	4504.0	4829.1	5098.4	5431.4	5581.0	5862.0	6152.4	6266.6
-50°	2241.8	2351.2	2630.4	2931.0	3215.3	3309.0	3463.8	3758.7	3801.0	3865.8	4032.3
-52.5°	1490.6	1617.7	1657.4	1811.3	1777.8	1708.0	1908.8	1905.0	1846.9	2033.3	2125.7
-55°	1153.8	1223.2	1254.6	1313.1	1304.8	1310.6	1368.4	1421.7	1479.5	1500.2	1540.4
-57.5°	1060.9	1097.2	1130.6	1166.0	1178.6	1217.3	1289.1	1320.2	1345.9	1391.7	1430.4
-60°	919.7	961.0	987.5	1003.8	1049.7	1092.8	1130.6	1154.2	1187.5	1206.0	1238.1
-62.5°	764.0	801.7	825.7	851.8	882.4	916.0	958.3	974.1	1002.2	1040.9	1081.6
-65°	646.9	666.7	674.2	692.7	724.4	745.0	772.2	788.0	822.5	873.3	921.0
-67.5°	535.7	544.4	561.8	573.1	590.7	600.0	616.1	640.7	677.9	726.1	777.7
-70°	429.4	435.5	395.4	398.7	462.4	466.1	478.6	505.8	542.1	586.9	637.8
-72.5°	59.5	137.6	113.5	28.9	25.1	54.1	112.0	167.8	222.5	279.8	322.5
-75°	224.9	172.8	126.6	87.5	51.2	21.4	4.5	7.0	9.3	11.1	12.7
-77.5°	189.7	198.4	204.5	203.1	201.7	205.7	211.2	230.7	228.7	213.4	200.8
-80°	148.8	153.3	147.0	144.2	146.6	145.6	147.4	151.0	154.4	157.3	159.6
-82.5°	111.7	115.0	114.0	112.9	106.1	96.0	92.2	93.7	95.4	96.8	98.0
-85°	74.5	76.7	78.8	79.9	77.8	74.6	72.9	72.8	72.8	72.8	72.8
-87.5°	55.0	55.6	56.1	40.5	41.2	42.0	42.8	43.4	43.9	44.4	44.8
-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: P902073 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-VWB-LTM

**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°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.2	2.1
85°	2.7	3.6	3.6	5.5	3.6	3.6	2.7	2.6	2.7	9.8	15.6
82.5°	40.3	37.6	35.4	35.1	35.4	37.6	40.3	41.5	41.7	57.6	74.3
80°	131.3	129.6	128.8	127.4	128.8	129.6	131.3	130.6	130.8	151.5	170.0
77.5°	164.0	160.8	157.1	154.2	157.1	160.8	164.0	166.4	171.0	212.7	251.5
75°	244.4	229.4	211.9	198.4	211.9	229.4	244.4	254.1	258.7	298.9	335.3
72.5°	477.8	427.4	377.6	339.5	377.6	427.4	477.8	517.1	531.0	563.7	593.8
70°	723.5	635.2	550.1	486.0	550.1	635.2	723.5	794.2	822.4	853.4	879.9
67.5°	943.3	823.5	712.2	622.6	712.2	823.5	943.3	1032.3	1070.8	1112.1	1146.6
65°	1241.0	1074.4	928.2	796.4	928.2	1074.4	1241.0	1362.3	1407.2	1437.6	1460.8
62.5°	1473.7	1271.3	1097.4	944.3	1097.4	1271.3	1473.7	1622.8	1734.4	1776.0	1785.4
60°	1554.3	1367.8	1209.5	1074.0	1209.5	1367.8	1554.3	1692.4	1860.7	1976.2	1804.6
57.5°	1670.1	1604.4	1505.9	1375.3	1505.9	1604.4	1670.1	1735.6	1890.3	2099.3	2066.2
55°	1900.1	2074.3	1973.0	1607.3	1973.0	2074.3	1900.1	1888.0	2044.4	2320.2	2474.8
52.5°	2107.6	2246.0	2174.9	1787.5	2174.9	2246.0	2107.6	2181.7	2290.4	2484.3	2861.5
50°	3612.2	3543.4	3476.6	2593.9	3476.6	3543.4	3612.2	3661.5	3741.7	3976.7	3977.0
47.5°	5593.9	5711.7	5662.9	5561.0	5662.9	5711.7	5593.9	5745.6	6098.8	6424.6	6402.6
45°	15698.0	15678.8	15255.0	14881.0	15255.0	15678.8	15698.0	15151.4	16459.3	18337.0	18942.5
42.5°	56870.4	59402.9	60449.6	60270.2	60449.6	59402.9	56870.4	54172.8	52994.2	53809.3	52143.5
40°	109785.0	115950.9	119603.0	120886.3	119603.0	115950.9	109785.0	104139.8	100488.7	96442.4	91704.8
37.5°	138502.5	145259.4	148740.2	149797.2	148740.2	145259.4	138502.5	130374.9	123983.9	119404.5	113585.3
35°	142257.2	148077.6	151742.9	152932.7	151742.9	148077.6	142257.2	135678.5	128977.2	124130.6	119544.7
32.5°	132079.8	136905.5	139967.8	141037.0	139967.8	136905.5	132079.8	127207.7	121947.3	117973.3	114941.1
30°	116664.5	119935.1	122048.6	122906.8	122048.6	119935.1	116664.5	113129.2	109786.9	106815.0	104846.8
27.5°	100701.7	102807.5	104428.4	105117.9	104428.4	102807.5	100701.7	98405.4	96145.4	94471.0	93341.8
25°	86431.3	87779.7	88809.2	89395.1	88809.2	87779.7	86431.3	85264.0	84078.3	83082.6	82496.4
22.5°	74720.6	75309.1	75749.7	76115.9	75749.7	75309.1	74720.6	74240.1	73645.4	73320.5	73299.0
20°	65524.9	65609.7	65741.2	65767.5	65741.2	65609.7	65524.9	65477.4	65648.4	65753.7	65955.0
17.5°	59218.5	58978.7	59042.0	59246.3	59042.0	58978.7	59218.5	59385.0	59786.1	60200.0	60810.9
15°	54901.7	54730.5	54765.5	55030.8	54765.5	54730.5	54901.7	55158.8	55735.2	56283.0	56987.1
12.5°	51649.2	51479.8	51526.5	51708.3	51526.5	51479.8	51649.2	51989.0	52462.1	53161.8	53835.2
10°	48653.5	48457.7	48493.4	48663.5	48493.4	48457.7	48653.5	49011.7	49563.3	50176.3	50859.8
7.5°	45555.8	45368.4	45384.2	45454.6	45384.2	45368.4	45555.8	45954.5	46489.2	47069.1	47662.3
5°	42329.8	42118.1	42067.8	42065.5	42067.8	42118.1	42329.8	42746.4	43289.4	43856.8	44431.0
2.5°	39112.6	38858.9	38764.1	38730.1	38764.1	38858.9	39112.6	39602.6	40162.8	40716.4	41238.0
0°	36161.7	35829.8	35688.2	35677.9	35688.2	35829.8	36161.7	36667.7	37252.6	37833.5	38376.5
-2.5°	33497.0	33202.1	33105.2	33130.3	33105.2	33202.1	33497.0	34022.8	34651.1	35264.8	35815.8
-5°	31219.5	30937.7	30796.2	30816.0	30796.2	30937.7	31219.5	31702.0	32319.2	32947.1	33512.7
-7.5°	29082.7	28819.1	28741.3	28673.2	28741.3	28819.1	29082.7	29520.5	30098.4	30712.0	31267.0
-10°	26842.0	26605.2	26540.6	26466.0	26540.6	26605.2	26842.0	27205.2	27696.4	28250.4	28769.8
-12.5°	24515.5	24352.0	24319.2	24308.7	24319.2	24352.0	24515.5	24709.1	25109.7	25559.2	26099.6
-15°	22710.8	22624.7	22568.1	22576.2	22568.1	22624.7	22710.8	22932.9	23166.8	23564.6	24094.2
-17.5°	20400.2	20463.2	20359.2	20332.8	20359.2	20463.2	20400.2	20569.3	20724.2	21006.2	21442.6
-20°	16735.5	16716.3	16718.9	16692.2	16718.9	16716.3	16735.5	16858.8	16986.6	17218.0	17588.7



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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°	12999.5	13051.6	13053.8	13006.1	13053.8	13051.6	12999.5	13104.1	13173.4	13432.8	13649.6
-25°	10915.3	10943.4	10905.4	10885.4	10905.4	10943.4	10915.3	10993.2	11071.3	11222.0	11397.1
-27.5°	9933.5	9893.1	9873.5	9897.9	9873.5	9893.1	9933.5	10006.3	10043.1	10131.8	10240.8
-30°	9341.9	9354.1	9310.5	9319.9	9310.5	9354.1	9341.9	9392.2	9399.6	9497.7	9549.0
-32.5°	9098.8	9119.7	9122.6	9119.7	9122.6	9119.7	9098.8	9103.8	9144.6	9191.7	9179.2
-35°	9171.6	9179.3	9214.0	9219.8	9214.0	9179.3	9171.6	9180.6	9173.0	9183.8	9200.7
-37.5°	9421.1	9424.8	9475.5	9538.4	9475.5	9424.8	9421.1	9453.2	9445.0	9426.5	9435.5
-40°	9775.9	9795.7	9895.9	9920.6	9895.9	9795.7	9775.9	9814.5	9800.3	9716.7	9676.8
-42.5°	9990.9	10094.4	10264.7	10380.2	10264.7	10094.4	9990.9	9992.0	9984.0	9756.4	9601.5
-45°	8989.1	9077.6	9232.1	9420.0	9232.1	9077.6	8989.1	8965.4	8715.6	8410.0	8222.9
-47.5°	6297.9	6441.0	6654.9	6780.6	6654.9	6441.0	6297.9	6266.6	6152.4	5862.0	5581.0
-50°	4167.1	4273.0	4391.7	4459.7	4391.7	4273.0	4167.1	4032.3	3865.8	3801.0	3758.7
-52.5°	2102.4	2048.7	2066.4	2097.9	2066.4	2048.7	2102.4	2125.7	2033.3	1846.9	1905.0
-55°	1530.8	1557.1	1596.0	1620.0	1596.0	1557.1	1530.8	1540.4	1500.2	1479.5	1421.7
-57.5°	1463.3	1490.5	1518.7	1510.8	1518.7	1490.5	1463.3	1430.4	1391.7	1345.9	1320.2
-60°	1276.2	1305.0	1325.4	1328.8	1325.4	1305.0	1276.2	1238.1	1206.0	1187.5	1154.2
-62.5°	1116.5	1148.7	1166.6	1174.1	1166.6	1148.7	1116.5	1081.6	1040.9	1002.2	974.1
-65°	960.9	987.4	1005.6	1019.4	1005.6	987.4	960.9	921.0	873.3	822.5	788.0
-67.5°	816.8	845.5	861.7	864.6	861.7	845.5	816.8	777.7	726.1	677.9	640.7
-70°	674.0	693.5	707.8	728.1	707.8	693.5	674.0	637.8	586.9	542.1	505.8
-72.5°	365.5	397.7	422.2	430.0	422.2	397.7	365.5	322.5	279.8	222.5	167.8
-75°	13.9	14.8	15.3	15.5	15.3	14.8	13.9	12.7	11.1	9.3	7.0
-77.5°	191.0	184.0	179.8	178.4	179.8	184.0	191.0	200.8	213.4	228.7	230.7
-80°	161.4	162.9	163.6	163.8	163.6	162.9	161.4	159.6	157.3	154.4	151.0
-82.5°	98.9	108.5	118.1	118.3	118.1	108.5	98.9	98.0	96.8	95.4	93.7
-85°	72.8	77.2	81.8	81.9	81.8	77.2	72.8	72.8	72.8	72.8	72.8
-87.5°	45.1	45.3	45.5	45.5	45.5	45.3	45.1	44.8	44.4	43.9	43.4
-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°	2.1	2.9	2.9	21.3	37.8	38.4	37.3	36.1	34.9	33.5	32.2
85°	19.7	26.1	28.1	45.5	62.9	79.4	76.6	72.9	86.3	82.7	85.5
82.5°	88.4	102.0	113.6	125.5	134.3	146.1	160.0	148.4	140.0	147.3	149.1
80°	187.9	203.9	218.7	232.0	236.8	219.1	242.1	230.2	224.3	233.4	240.2
77.5°	286.0	315.3	341.3	361.6	352.2	295.7	320.3	324.4	329.3	346.1	369.5
75°	369.1	409.8	452.4	489.9	483.7	439.7	465.5	464.0	476.1	508.2	533.5
72.5°	619.8	642.7	665.4	686.3	665.9	659.6	688.4	699.8	730.8	736.6	708.3
70°	900.7	916.8	928.2	936.7	907.1	948.2	1005.6	1032.6	1021.8	965.0	879.9
67.5°	1172.6	1191.0	1202.2	1204.5	1176.7	1273.9	1338.3	1344.6	1235.6	1104.4	1004.7
65°	1476.2	1484.8	1487.4	1482.6	1422.5	1602.3	1580.8	1483.6	1379.0	1251.8	1187.3
62.5°	1814.7	1817.3	1812.9	1761.1	1643.5	1810.3	1721.4	1628.3	1588.4	1515.7	1487.1
60°	2020.0	2201.4	2227.2	1985.1	1890.2	2031.2	1983.5	1963.1	1939.6	1892.8	1893.6
57.5°	2179.4	2408.0	2487.3	2224.0	2311.9	2422.3	2452.1	2554.2	2474.8	2413.9	2397.0
55°	2533.8	2746.5	2727.9	2537.6	2830.4	3011.1	3214.3	3311.1	3234.9	3204.1	3227.1
52.5°	3043.4	3339.1	3268.1	3225.3	3524.7	3917.2	4111.4	4380.2	4425.5	4594.0	4759.7
50°	4051.0	4474.3	4742.2	4742.2	5007.7	5789.7	6105.1	6762.6	7023.1	7181.5	7575.9
47.5°	7199.1	8182.8	8044.7	9235.4	9891.5	11236.7	11914.5	12800.5	13392.4	13032.9	13726.1
45°	19078.9	20867.6	20887.4	22595.0	22172.2	23804.9	24726.8	24793.5	25553.1	25344.3	24059.2
42.5°	51960.5	50834.9	49185.0	48461.0	46990.8	46352.8	46585.5	45909.2	44847.7	43638.9	41583.4
40°	89683.0	85371.1	82883.4	78619.4	75970.3	73820.5	71790.1	70008.3	67789.3	64241.9	60337.1
37.5°	110682.7	106864.9	104618.7	99962.3	96572.5	94561.4	91767.2	88903.3	85514.5	81581.2	76498.9
35°	116976.0	114748.7	113501.1	109953.1	107207.3	105205.3	103401.6	100678.6	97139.9	92913.5	87965.4
32.5°	113296.4	112459.0	112422.7	110558.0	108762.4	107409.1	106309.1	105173.8	102399.7	98486.6	93475.2
30°	104081.9	104284.2	104739.7	104830.7	103987.4	103331.5	102847.8	102339.2	101090.0	98440.3	94610.9
27.5°	93185.5	93883.6	94789.3	95944.9	96274.4	96228.6	96294.9	96514.1	96203.2	94735.0	92144.2
25°	82863.4	83748.1	84802.8	86304.0	86991.4	87671.4	88064.5	88913.9	89500.9	89186.2	87756.0
22.5°	73779.5	74917.3	75915.5	77419.2	78425.3	79154.7	79941.7	80881.0	81920.5	82338.8	81924.7
20°	66693.1	67644.6	68619.5	70042.4	70962.6	71692.9	72503.8	73434.1	74668.2	75574.1	75741.7
17.5°	61552.3	62499.1	63288.3	64333.5	65238.0	65661.0	66412.8	67194.8	68296.8	69303.4	69738.1
15°	57822.3	58704.7	59443.9	60344.1	61062.7	61230.4	61562.9	62106.7	63074.7	64072.4	64522.4
12.5°	54675.8	55546.6	56286.3	57016.8	57735.6	57565.9	57841.4	58189.7	58948.4	59805.3	60205.3
10°	51486.3	52347.5	53018.6	53761.3	54390.8	54146.9	54473.4	54653.9	55419.1	56177.7	56681.4
7.5°	48314.0	48990.1	49600.8	50310.8	50958.6	50820.2	51078.9	51313.6	52101.0	52837.6	53414.7
5°	45009.4	45612.0	46170.2	46894.4	47506.6	47452.2	47655.5	47960.3	48777.6	49555.7	50148.2
2.5°	41848.3	42422.1	42954.6	43607.5	44266.0	44159.4	44411.7	44730.7	45561.1	46349.1	46940.9
0°	38918.1	39436.8	39919.3	40633.7	41248.0	41070.6	41330.0	41644.0	42413.0	43209.4	43832.9
-2.5°	36377.7	36900.9	37367.5	38027.7	38584.1	38522.0	38764.4	39034.7	39731.7	40437.6	40955.1
-5°	34035.8	34556.3	35075.5	35720.7	36246.6	36218.3	36467.1	36727.5	37292.4	37879.8	38326.4
-7.5°	31798.7	32293.0	32862.4	33523.2	33965.3	34086.6	34330.6	34605.2	35078.5	35532.6	35832.3
-10°	29322.6	29951.7	30516.6	31225.6	31529.5	31834.6	32129.9	32484.7	32919.1	33330.7	33442.8
-12.5°	26705.5	27353.8	27875.1	28724.0	29044.0	29510.3	29986.3	30504.4	30967.6	31289.6	31447.4
-15°	24683.0	25306.6	25937.1	26721.6	27169.9	27751.5	28269.2	28888.9	29367.1	29586.4	29790.8
-17.5°	22037.1	22605.5	23266.1	24127.0	24479.9	25085.6	25606.0	26199.0	26761.1	26979.5	27135.0
-20°	18025.5	18532.4	19182.6	19815.2	20283.0	20895.8	21429.1	21995.1	22509.6	22914.5	23154.8



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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°	14060.2	14484.3	15042.8	15606.3	16078.5	16617.9	17144.7	17707.1	18163.7	18517.3	19028.4
-25°	11705.2	12057.4	12480.8	12848.5	13292.2	13754.1	14228.3	14693.3	15166.1	15461.3	15831.9
-27.5°	10462.0	10708.5	11057.5	11265.7	11628.9	12011.7	12411.8	12832.7	13116.0	13294.4	13471.5
-30°	9696.7	9936.4	10203.9	10437.7	10695.2	10965.4	11229.8	11478.6	11528.4	11593.8	11812.4
-32.5°	9322.8	9533.8	9690.9	9921.4	10185.0	10350.4	10412.7	10375.1	10350.4	10507.5	10765.7
-35°	9271.9	9469.6	9547.4	9727.8	9922.6	9987.4	9876.1	9755.9	9801.8	9908.9	10072.8
-37.5°	9467.5	9597.0	9653.7	9716.4	9741.2	9597.7	9417.0	9313.0	9357.2	9422.0	9502.2
-40°	9758.7	9695.6	9660.2	9570.4	9358.5	9039.3	8813.4	8718.6	8709.1	8648.9	8610.7
-42.5°	9598.0	9312.7	9232.2	8824.0	8411.3	7966.2	7650.4	7580.9	7385.7	7186.5	7015.1
-45°	8067.9	7631.9	7467.8	6915.3	6405.7	5908.3	5638.9	5358.4	5134.4	4952.4	4555.8
-47.5°	5431.4	5098.4	4829.1	4504.0	3933.5	3605.1	3360.9	3150.4	3038.6	2678.2	2637.4
-50°	3463.8	3309.0	3215.3	2931.0	2630.4	2351.2	2241.8	2121.9	1966.4	2017.1	1786.0
-52.5°	1908.8	1708.0	1777.8	1811.3	1657.4	1617.7	1490.6	1506.0	1472.5	1449.9	1399.7
-55°	1368.4	1310.6	1304.8	1313.1	1254.6	1223.2	1153.8	1127.5	1075.2	1063.7	996.5
-57.5°	1289.1	1217.3	1178.6	1166.0	1130.6	1097.2	1060.9	997.9	961.2	905.3	886.2
-60°	1130.6	1092.8	1049.7	1003.8	987.5	961.0	919.7	869.7	811.6	776.5	740.4
-62.5°	958.3	916.0	882.4	851.8	825.7	801.7	764.0	715.2	671.4	631.0	603.2
-65°	772.2	745.0	724.4	692.7	674.2	666.7	646.9	596.5	558.7	520.8	498.4
-67.5°	616.1	600.0	590.7	573.1	561.8	544.4	535.7	496.3	466.3	436.4	420.9
-70°	478.6	466.1	462.4	398.7	395.4	435.5	429.4	366.3	252.6	300.2	355.4
-72.5°	112.0	54.1	25.1	28.9	113.5	137.6	59.5	33.4	93.9	151.5	56.8
-75°	4.5	21.4	51.2	87.5	126.6	172.8	224.9	249.8	240.9	180.5	152.3
-77.5°	211.2	205.7	201.7	203.1	204.5	198.4	189.7	184.5	188.9	185.3	182.4
-80°	147.4	145.6	146.6	144.2	147.0	153.3	148.8	144.1	141.7	146.2	139.3
-82.5°	92.2	96.0	106.1	112.9	114.0	115.0	111.7	108.2	104.4	100.5	96.4
-85°	72.9	74.6	77.8	79.9	78.8	76.7	74.5	72.5	71.2	69.9	68.6
-87.5°	42.8	42.0	41.2	40.5	56.1	55.6	55.0	54.1	52.3	50.3	48.3
-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°	30.9	43.9	41.5	39.1	36.7	34.1	34.7	38.5	41.8	38.9	36.3
85°	86.7	87.8	86.4	90.5	90.8	82.1	80.1	80.3	83.6	77.9	72.7
82.5°	155.7	147.6	148.6	157.4	161.9	151.5	153.8	147.3	136.8	127.2	114.6
80°	246.5	237.6	238.5	249.7	250.9	247.8	238.4	217.7	191.6	182.1	166.7
77.5°	372.0	365.3	347.6	348.6	348.4	351.4	332.5	306.1	277.5	249.0	218.1
75°	521.4	487.7	473.5	464.3	453.6	460.0	445.6	409.0	372.6	344.5	296.0
72.5°	666.9	632.9	613.8	606.2	600.3	590.5	570.0	549.7	511.4	441.5	390.9
70°	813.6	786.9	762.8	751.8	751.3	741.5	749.5	722.1	679.7	608.3	487.8
67.5°	969.3	946.8	932.1	930.9	911.2	947.7	957.0	968.2	902.2	786.7	649.3
65°	1169.1	1149.6	1169.6	1163.2	1192.2	1202.6	1236.8	1271.1	1183.5	1003.7	822.9
62.5°	1467.0	1495.4	1509.7	1549.1	1559.0	1595.0	1639.2	1695.1	1538.1	1280.4	998.9
60°	1924.7	1950.8	1957.1	2015.8	2046.3	2174.0	2426.2	2372.6	2171.5	1563.8	1246.6
57.5°	2496.5	2532.0	2594.5	2602.6	2781.1	3016.8	3550.8	3799.0	2848.6	2124.5	1492.7
55°	3449.8	3495.9	3561.6	3630.4	3764.2	4246.9	5061.0	5528.8	4259.4	2704.4	1728.8
52.5°	5031.9	5240.9	5167.9	5367.7	5671.5	6041.3	6943.7	7824.5	5780.7	3233.8	2088.9
50°	7716.5	8054.3	8142.3	8039.1	8195.7	8746.4	9628.3	10273.5	7555.8	4134.9	2401.5
47.5°	13891.9	13241.8	13007.3	12690.6	12083.6	11968.0	12674.6	12842.9	9510.8	4852.9	2644.5
45°	23985.5	23028.1	21483.0	19504.1	17590.3	16368.1	16154.1	15843.6	11174.7	5308.1	2897.4
42.5°	39117.2	36580.2	33558.7	29796.1	25099.8	21164.4	19459.9	19150.8	13246.2	6384.2	3187.2
40°	56500.4	52452.3	47341.0	40481.8	33279.6	26928.9	23250.8	21444.8	16117.9	7174.7	3418.7
37.5°	71169.2	66075.9	60208.4	51609.6	41560.2	32623.8	26863.9	23990.5	18857.2	7675.6	3584.4
35°	81898.9	76242.8	70098.4	61174.7	49334.6	37691.1	29980.2	26620.7	21232.7	9315.1	3959.5
32.5°	87650.7	82105.8	76451.7	67518.1	55255.2	42734.3	33300.0	28306.3	23202.2	11637.6	4598.4
30°	90123.8	84762.7	79501.1	71867.9	60173.8	46381.8	35831.4	29669.2	24933.7	13646.4	5297.1
27.5°	88622.6	84183.6	79629.6	73009.4	62629.0	49431.5	37777.8	30623.6	26881.5	15548.1	5945.4
25°	85397.0	82014.8	77742.9	72303.4	63677.9	51522.9	39748.7	31807.3	27926.2	17198.2	6542.2
22.5°	80714.7	78279.2	74753.6	70719.2	63439.1	52861.4	40988.9	32682.6	28038.2	18565.7	7755.4
20°	75193.8	73753.1	70936.5	67286.2	61800.7	53108.8	41713.7	33117.5	28107.9	19922.9	9375.9
17.5°	69568.2	69070.6	66672.5	63661.7	59114.6	51958.2	41892.9	33299.7	28029.2	21112.2	10783.8
15°	64515.4	64246.2	62535.2	59923.6	56314.2	50401.4	41664.5	33244.3	27734.6	21937.7	12030.9
12.5°	60256.1	59955.5	58773.3	56803.1	53631.3	48601.6	41015.4	33054.3	27363.7	22338.4	13137.0
10°	56728.3	56610.3	55713.7	53871.7	51255.3	46837.8	40026.8	32524.7	26643.2	22320.8	14060.5
7.5°	53560.2	53561.5	52900.0	51218.5	48853.0	45005.8	38795.3	31615.1	25807.0	21999.6	14760.8
5°	50409.7	50625.5	50151.9	48663.6	46600.0	43144.6	37358.1	30538.3	24814.8	21234.9	15051.3
2.5°	47308.5	47741.5	47455.8	46199.0	44438.0	41412.1	35985.3	29315.0	23652.5	20237.6	15187.1
0°	44265.2	44906.8	44806.8	43832.9	42340.3	39646.2	34476.5	27959.9	22398.9	19131.4	15199.5
-2.5°	41462.3	42208.2	42200.0	41508.0	40294.5	37904.3	33006.2	26732.6	21315.0	18172.5	14893.9
-5°	38767.8	39524.3	39599.9	39136.3	38168.7	35998.4	31392.6	25379.5	20142.5	17188.6	14536.9
-7.5°	36195.5	36895.0	37012.7	36729.9	35959.2	33846.5	29567.6	24000.4	19036.1	16275.4	14168.2
-10°	33765.9	34403.6	34459.2	34330.0	33794.5	31746.9	27693.7	22552.8	17968.7	15583.2	13786.1
-12.5°	31836.6	32219.4	32452.3	32321.1	31642.5	29725.0	25923.6	21038.8	16874.3	14898.8	13420.6
-15°	30087.4	30531.9	30440.7	30328.9	29666.8	27490.3	23997.0	19444.2	15745.2	14117.1	13100.4
-17.5°	27605.8	27700.9	27743.2	27469.6	26810.7	25041.2	21374.3	17568.8	14560.6	13183.9	12580.3
-20°	23590.6	23842.1	23892.4	23898.1	23243.6	21648.3	18632.4	15379.4	13188.1	12240.0	11896.7



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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°	19427.5	19706.0	20109.6	20022.3	19784.5	18124.1	15987.2	13308.7	11751.0	11300.9	11264.2
-25°	16217.3	16560.1	16905.5	17148.1	16624.0	15579.3	13595.1	11735.7	10375.2	10397.5	10546.6
-27.5°	13801.8	14234.3	14561.5	14724.3	14393.0	13314.0	11827.0	10274.2	9509.3	9609.5	9743.0
-30°	12117.6	12475.5	12837.6	12856.6	12376.0	11562.2	10363.5	9323.1	8859.5	9000.3	9019.2
-32.5°	11067.3	11362.1	11456.9	11267.7	10776.7	10028.4	9192.1	8534.1	8244.4	8580.1	8384.3
-35°	10271.2	10474.3	10475.1	10031.2	9340.6	8807.5	8202.5	7824.9	7798.5	8185.6	7784.4
-37.5°	9603.3	9628.5	9334.8	8743.1	8170.3	7759.7	7394.6	7199.9	7341.1	7620.8	6795.7
-40°	8542.6	8374.9	7918.3	7269.8	6843.4	6569.7	6387.0	6464.7	6727.7	6549.3	5368.9
-42.5°	6820.6	6383.2	5825.2	5378.3	5146.1	5074.2	5184.6	5557.7	5673.9	5283.1	3891.8
-45°	4273.1	3967.7	3612.7	3370.8	3414.2	3563.5	3802.4	4129.8	4281.2	3825.6	2387.9
-47.5°	2489.0	2124.5	1983.4	2097.6	2172.4	2373.6	2594.8	2795.0	2834.6	2495.4	1527.9
-50°	1632.9	1487.8	1380.9	1468.3	1579.9	1700.7	1782.3	1732.9	1652.2	1675.1	1182.1
-52.5°	1286.3	1212.0	1152.1	1217.3	1258.2	1269.5	1283.0	1294.4	1241.2	1074.8	908.7
-55°	1016.0	991.5	983.4	980.8	985.7	984.3	1004.2	1029.3	985.5	887.6	712.0
-57.5°	857.9	868.2	840.1	790.1	787.5	762.8	762.0	779.5	735.1	697.9	595.8
-60°	726.7	716.8	707.7	676.6	645.5	606.1	589.6	566.3	565.1	518.4	470.1
-62.5°	578.5	575.7	572.7	561.9	543.0	506.5	481.2	461.1	437.0	429.1	355.2
-65°	473.5	465.9	481.0	459.2	461.9	434.2	411.6	399.7	370.2	348.2	310.2
-67.5°	399.5	397.6	319.4	356.6	386.4	370.5	350.3	343.2	314.9	290.7	266.3
-70°	249.7	140.0	12.7	253.1	314.9	307.2	300.0	291.1	265.8	246.4	225.1
-72.5°	39.4	107.6	186.5	266.2	256.3	254.9	250.9	241.6	219.3	205.3	195.5
-75°	215.9	227.2	223.3	218.2	206.5	209.3	206.1	194.4	178.0	178.3	166.0
-77.5°	187.8	183.4	181.2	176.5	168.6	171.4	163.8	155.8	149.6	152.8	139.5
-80°	134.9	129.3	147.1	139.4	135.8	136.4	127.7	118.5	119.7	119.7	118.6
-82.5°	92.9	99.8	106.8	107.5	109.6	102.2	94.3	87.0	85.1	81.7	97.9
-85°	67.7	76.7	73.8	74.5	73.3	68.2	63.0	57.7	52.2	47.5	68.3
-87.5°	46.1	43.9	41.5	39.1	36.7	34.1	31.5	28.8	26.1	23.4	34.2
-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):**

	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°	35.3	29.5	23.7	17.8	11.9	6.0	0.0
85°	70.6	59.0	47.3	35.6	23.8	11.9	0.0
82.5°	105.7	88.4	70.9	53.3	35.6	17.8	0.0
80°	146.6	121.1	94.3	70.9	47.3	23.7	0.0
77.5°	188.6	161.8	120.1	88.4	59.0	29.5	0.0
75°	231.4	202.0	149.6	105.7	70.6	35.3	0.0
72.5°	313.4	241.4	177.9	122.1	82.0	41.0	0.0
70°	409.3	302.4	204.8	138.0	93.3	46.7	0.0
67.5°	506.0	387.8	230.2	153.3	104.4	52.2	0.0
65°	633.4	473.4	278.4	168.2	114.1	57.7	0.0
62.5°	794.6	559.3	347.3	182.5	122.7	63.0	0.0
60°	956.0	666.0	414.6	196.1	131.0	68.2	0.0
57.5°	1117.5	796.3	480.3	211.3	139.0	73.3	0.0
55°	1312.7	923.8	544.3	250.2	146.6	78.3	0.0
52.5°	1496.9	1047.8	612.9	284.9	153.9	83.1	0.0
50°	1675.4	1162.9	706.1	315.1	160.7	87.7	0.0
47.5°	1849.2	1299.1	792.9	340.7	167.2	92.2	0.0
45°	2011.4	1429.4	871.3	361.5	173.3	96.5	0.0
42.5°	2141.9	1553.3	949.6	377.6	178.9	100.6	0.0
40°	2258.2	1670.6	1027.6	392.8	184.1	104.6	0.0
37.5°	2385.5	1781.1	1105.2	406.6	188.9	108.3	0.0
35°	2582.1	1880.8	1182.3	447.8	197.0	111.0	0.0
32.5°	2829.9	1982.0	1254.6	495.1	205.2	113.3	0.0
30°	3086.4	2089.1	1320.9	536.0	212.1	115.4	0.0
27.5°	3400.0	2201.0	1365.2	570.4	219.1	117.4	0.0
25°	3748.0	2316.6	1404.4	598.6	225.4	119.2	0.0
22.5°	4113.2	2435.6	1440.1	620.5	230.8	120.8	0.0
20°	4560.1	2560.9	1471.8	636.5	235.5	122.2	0.0
17.5°	5175.7	2689.0	1499.2	644.4	239.3	123.5	0.0
15°	5801.1	2857.7	1521.8	644.3	242.4	124.6	0.0
12.5°	6410.7	3068.8	1541.6	637.5	244.7	125.5	0.0
10°	6994.5	3263.0	1558.3	624.6	246.3	126.2	0.0
7.5°	7520.1	3437.6	1570.1	606.4	247.2	126.8	0.0
5°	7985.3	3591.7	1576.0	583.7	247.4	127.2	0.0
2.5°	8390.1	3719.1	1574.8	557.3	246.9	127.4	0.0
0°	8728.3	3813.5	1565.5	527.9	245.8	127.4	0.0
-2.5°	8999.4	3962.9	1548.0	522.8	245.3	127.3	0.0
-5°	9201.4	4066.9	1521.5	515.7	244.2	127.1	0.0
-7.5°	9337.9	4119.4	1486.1	506.8	242.6	126.6	0.0
-10°	9386.9	4114.5	1442.1	496.1	240.3	126.0	0.0
-12.5°	9312.6	4045.8	1389.7	483.8	237.5	125.2	0.0
-15°	9208.3	3911.6	1325.6	470.0	234.1	124.3	0.0
-17.5°	9083.4	3788.1	1244.9	454.8	230.1	123.2	0.0
-20°	8832.4	3668.8	1159.4	438.3	225.6	121.9	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	8316.8	3488.0	1069.9	420.3	220.6	120.5	0.0
-25°	7722.5	3203.1	977.0	401.0	215.0	118.9	0.0
-27.5°	7087.8	2848.7	881.4	380.5	208.9	117.1	0.0
-30°	6369.0	2442.3	783.4	358.7	202.3	115.2	0.0
-32.5°	5454.4	1983.1	681.4	335.8	195.2	113.1	0.0
-35°	4501.6	1470.8	579.5	311.9	187.7	110.9	0.0
-37.5°	3611.9	1053.6	498.4	290.6	180.7	108.3	0.0
-40°	2885.3	913.4	462.5	277.8	175.7	104.6	0.0
-42.5°	2131.9	780.4	426.6	264.8	170.5	100.6	0.0
-45°	1439.3	654.8	390.6	251.2	165.0	96.5	0.0
-47.5°	871.4	537.1	354.6	237.1	159.3	92.2	0.0
-50°	704.9	427.7	318.8	222.6	153.3	87.7	0.0
-52.5°	599.9	388.0	284.1	207.6	147.1	83.1	0.0
-55°	500.9	353.7	261.4	192.2	140.7	78.3	0.0
-57.5°	404.8	318.3	241.1	176.4	134.1	73.3	0.0
-60°	356.6	281.4	220.3	165.0	127.3	68.2	0.0
-62.5°	309.9	250.1	198.9	153.7	120.4	63.0	0.0
-65°	264.6	224.5	177.2	142.3	113.2	57.7	0.0
-67.5°	229.7	199.7	158.5	130.8	104.4	52.2	0.0
-70°	203.1	175.3	143.4	119.1	93.3	46.7	0.0
-72.5°	176.5	154.0	128.2	107.3	82.0	41.0	0.0
-75°	151.3	135.1	112.7	94.7	70.6	35.3	0.0
-77.5°	130.3	115.9	97.1	78.8	59.0	29.5	0.0
-80°	109.6	96.6	78.9	63.0	47.3	23.7	0.0
-82.5°	88.1	73.7	59.2	47.3	35.6	17.8	0.0
-85°	58.8	49.2	39.5	31.5	23.8	11.9	0.0
-87.5°	29.4	24.6	19.8	15.7	11.9	6.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)