

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: P902086 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-A55-MB**

Issue Date: 11/13/2024

**Test Information**

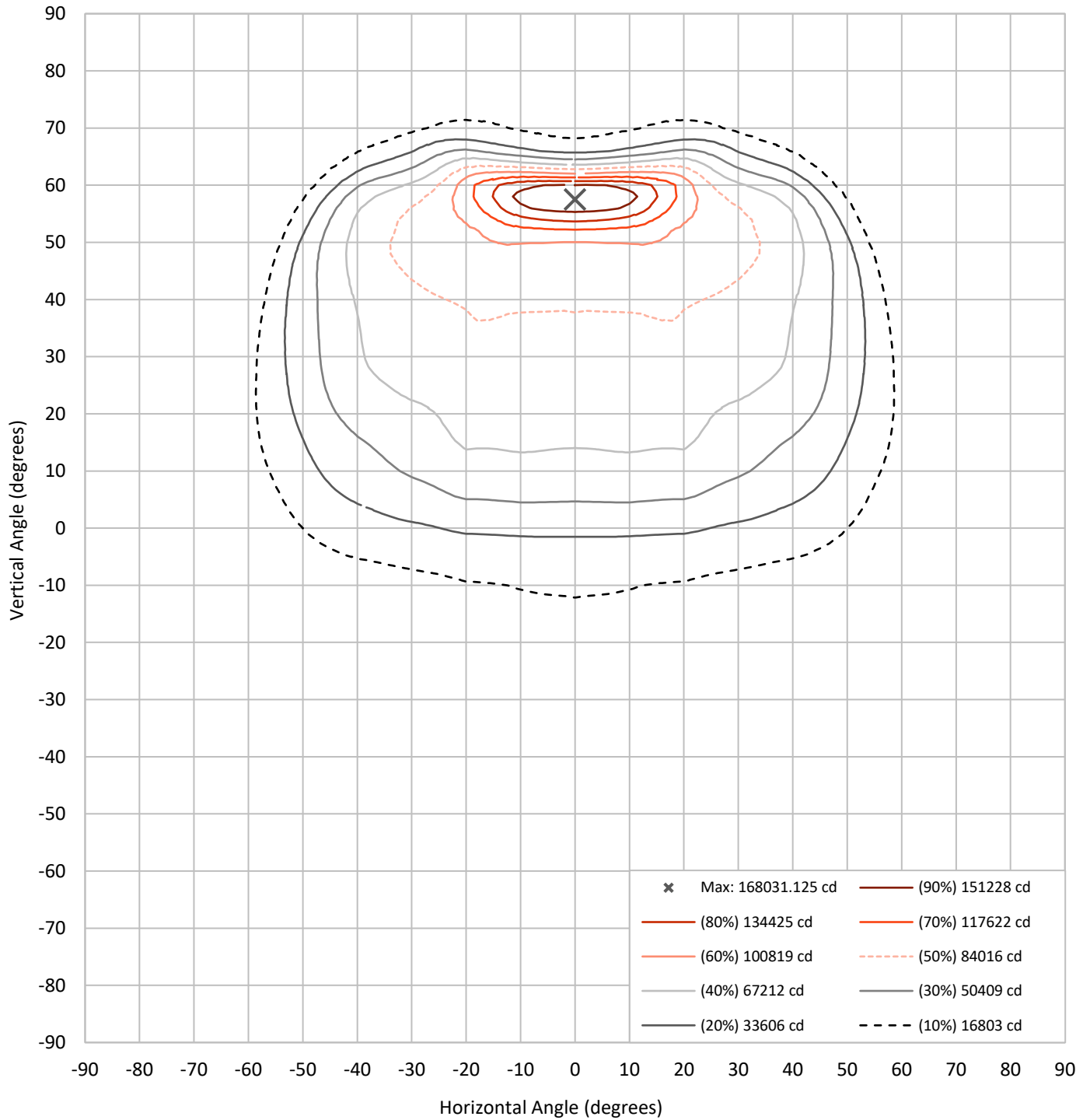
Test Method: LM-79-08  
Report Number: P902086 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( LVA2111039)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/13/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-AV-03-1360S-57-85-A55-MB  
Description: ARENAVISION LUMINAIRE  
5700K, 85 CRI LEDS AND A55-MB OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	158923.9 lumens	Max Intensity:	168031.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 57.5°V
Efficacy:	112.5 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	57°H x 25°V	Field Angle (10%):	99.7°H x 80.3°V
Beam Lumens:	43644.4 lumens	Field Lumens:	135445 lumens
Beam Efficiency:	27.5%	Field Efficiency:	85.2%
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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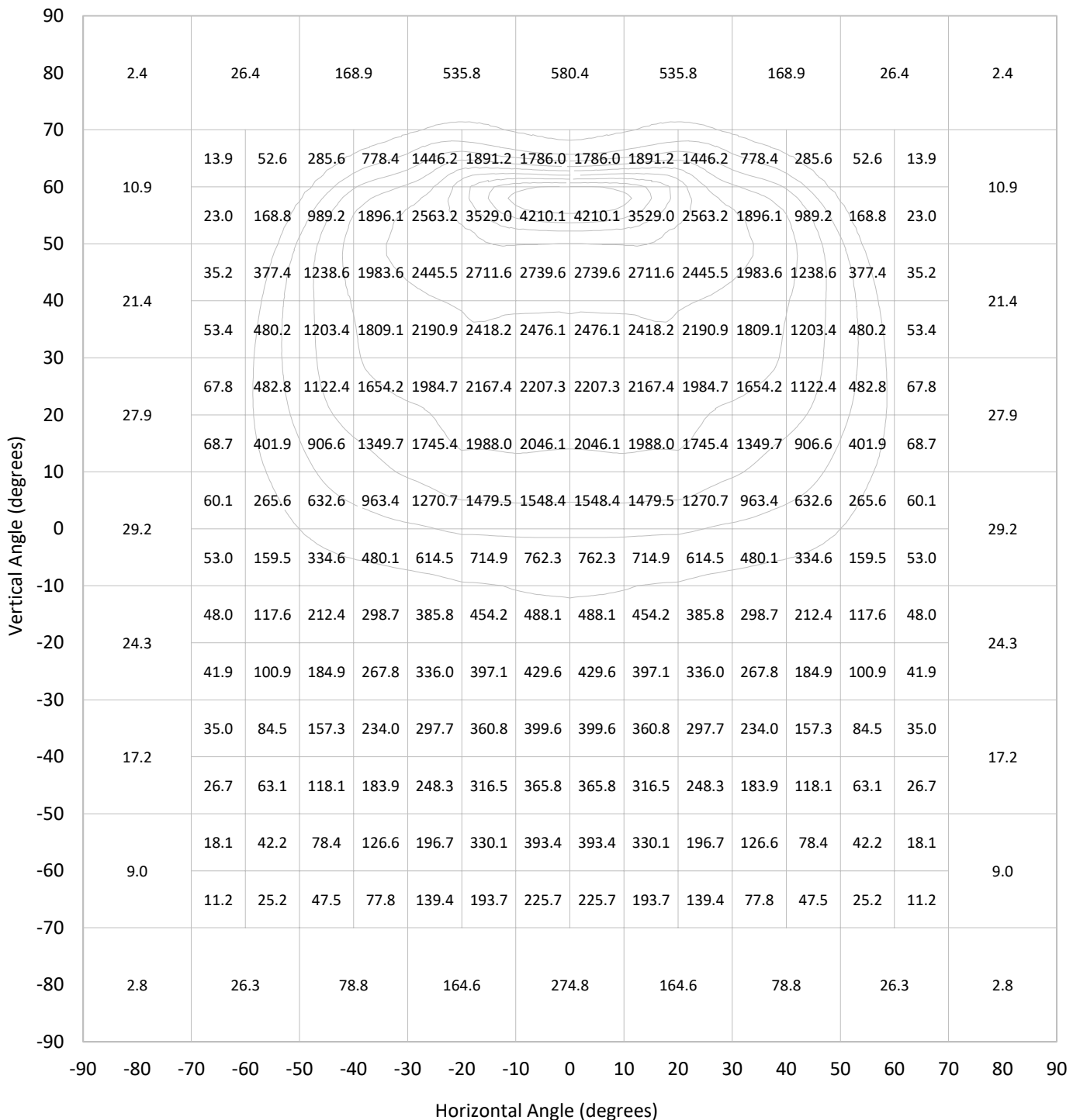
### Iso-Candela Plot





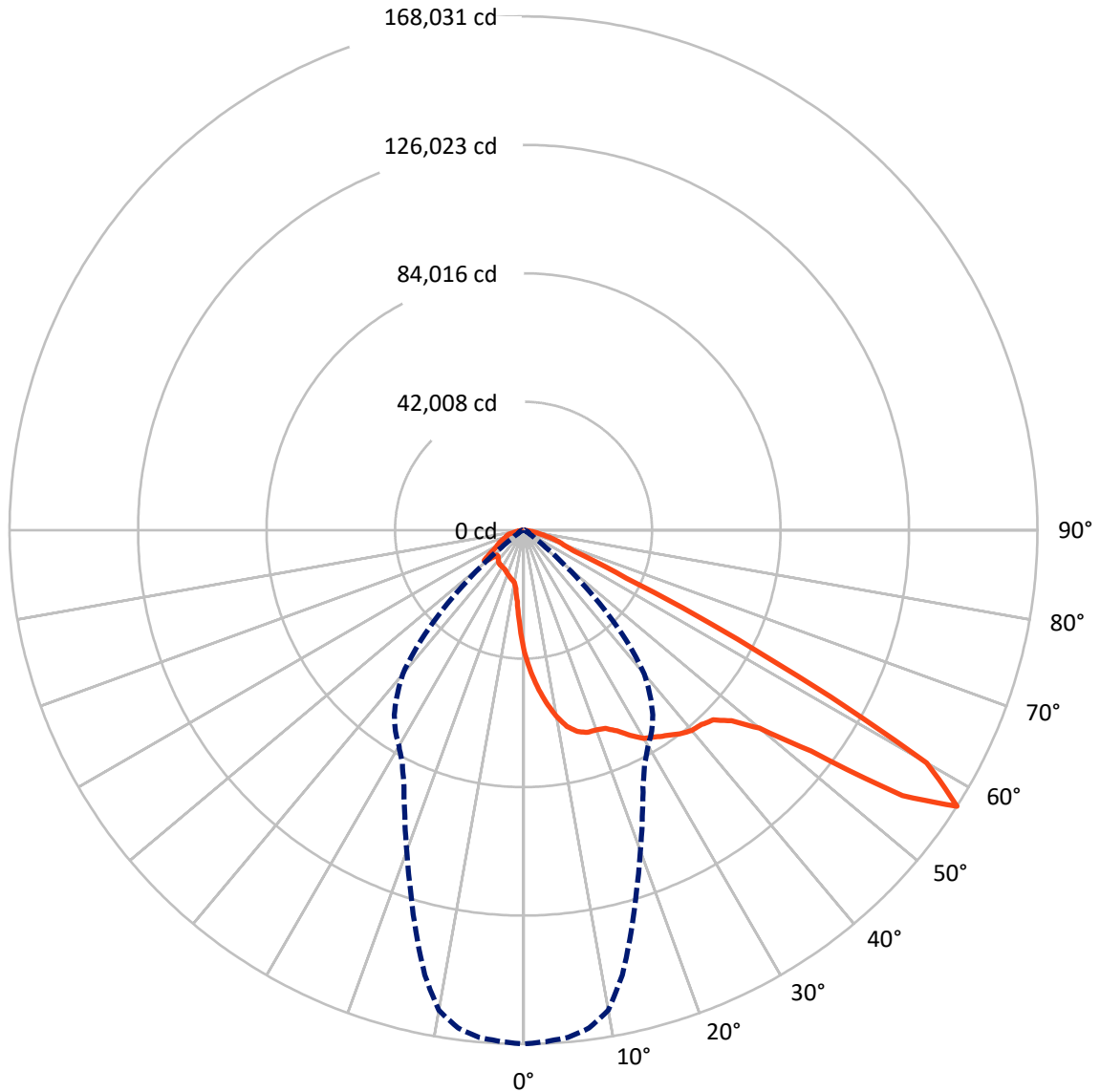
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### Lumen Table



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CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MB

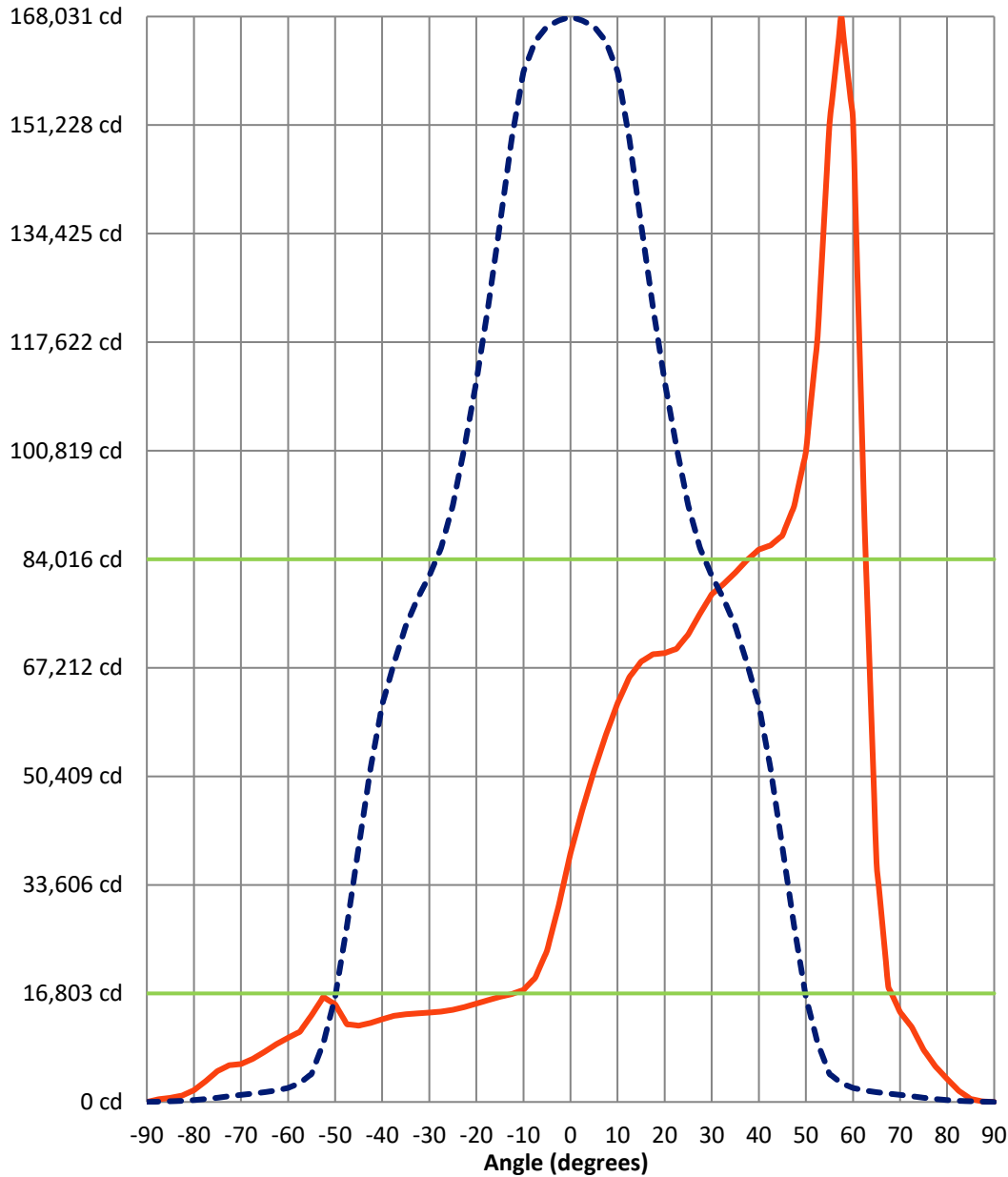
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg    - - - Horizontal Distribution Through 57.5-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 57°  
 V Angle: 25°  
 Lumens: 43644.4  
 Efficiency: 27.5%

**Field:**  
 H Angle: 99.7°  
 V Angle: 80.3°  
 Lumens: 135445  
 Efficiency: 85.2%

**Spill:**  
 Lumens: 23478.8  
 Efficiency: 14.8%

— Vertical Distribution through 0-Deg  
 - - - Horizontal Distribution through 57.5-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	13.7	17.8	22.2	25.9	29.4	32.7	35.7	37.5
85°	0.0	8.9	17.8	27.3	35.5	44.3	51.8	58.8	65.4	71.3	77.8
82.5°	0.0	13.4	26.7	40.8	53.2	66.3	77.6	93.6	111.0	127.8	141.4
80°	0.0	17.8	35.5	54.3	70.9	90.2	113.8	139.1	163.2	186.2	216.2
77.5°	0.0	22.2	44.3	67.6	90.0	119.0	150.7	183.9	227.7	283.9	335.9
75°	0.0	26.5	52.9	80.8	111.6	147.3	186.9	250.6	321.8	390.7	461.2
72.5°	0.0	30.8	61.5	95.0	132.8	175.1	243.7	328.9	414.3	508.1	602.3
70°	0.0	35.1	70.0	109.2	153.4	212.5	306.3	405.6	520.4	629.7	743.9
67.5°	0.0	39.2	78.3	123.0	173.5	259.6	366.8	497.1	627.5	755.9	890.4
65°	0.0	43.3	86.6	136.4	200.4	304.9	434.2	589.4	739.5	888.0	1038.5
62.5°	0.0	47.4	94.9	149.4	233.1	348.4	509.6	679.7	859.6	1020.5	1191.8
60°	0.0	51.3	103.0	162.0	264.6	398.1	582.7	785.1	978.6	1160.0	1348.5
57.5°	0.0	55.2	110.7	174.8	294.9	455.9	653.4	889.2	1102.1	1299.1	1516.3
55°	0.0	58.9	118.2	195.1	323.8	511.6	740.2	989.5	1226.8	1449.7	1681.5
52.5°	0.0	62.6	125.4	214.4	353.9	564.9	823.8	1095.2	1351.1	1600.5	1876.2
50°	0.0	66.1	132.3	232.5	392.6	614.6	904.1	1199.3	1481.3	1754.6	2065.0
47.5°	0.0	69.6	138.8	249.5	428.5	675.7	981.6	1300.5	1607.5	1913.4	2267.5
45°	0.0	72.8	145.0	265.2	460.9	732.6	1060.1	1400.5	1723.9	2063.5	2461.7
42.5°	0.0	76.0	150.9	279.7	490.4	785.2	1134.0	1490.4	1844.9	2215.4	2651.7
40°	0.0	79.0	156.3	292.7	516.9	833.2	1199.7	1572.7	1960.0	2363.7	2880.9
37.5°	0.0	81.9	161.4	304.4	540.6	876.6	1255.7	1648.0	2068.6	2495.4	3087.8
35°	0.0	84.5	168.2	319.3	567.5	916.1	1306.6	1720.8	2158.9	2634.7	3298.9
32.5°	0.0	86.9	175.0	334.3	593.8	950.9	1352.6	1785.8	2245.4	2782.7	3514.6
30°	0.0	89.1	181.2	347.7	616.6	981.1	1393.1	1842.2	2324.7	2910.1	3690.7
27.5°	0.0	91.2	187.1	359.4	637.5	1006.8	1428.4	1893.0	2395.7	3023.1	3836.8
25°	0.0	93.1	192.5	369.4	655.3	1027.9	1459.8	1938.2	2464.0	3138.0	4019.7
22.5°	0.0	94.8	197.2	377.8	670.0	1045.9	1487.3	1984.8	2542.5	3239.4	4115.2
20°	0.0	96.3	201.4	384.5	681.6	1063.4	1512.5	2029.8	2609.5	3318.7	4191.1
17.5°	0.0	97.7	205.0	391.4	690.2	1076.9	1541.3	2068.4	2663.8	3375.6	4238.4
15°	0.0	98.9	207.9	397.4	695.7	1088.5	1567.4	2102.7	2704.7	3410.7	4276.3
12.5°	0.0	99.9	210.3	402.0	701.8	1098.5	1588.0	2132.3	2735.9	3426.5	4302.2
10°	0.0	100.7	212.1	405.0	706.3	1106.6	1603.0	2154.0	2758.1	3435.8	4275.6
7.5°	0.0	101.4	213.3	406.6	708.3	1112.4	1614.1	2167.5	2769.1	3429.3	4226.7
5°	0.0	101.8	214.0	406.8	707.6	1113.7	1619.5	2172.2	2770.7	3413.9	4155.1
2.5°	0.0	102.1	214.1	405.7	704.3	1110.4	1618.6	2168.9	2762.8	3394.4	4105.2
0°	0.0	102.2	213.6	403.2	698.6	1102.5	1611.4	2157.9	2745.0	3361.6	4038.9
-2.5°	0.0	102.3	213.9	402.8	695.2	1092.6	1589.8	2124.1	2705.2	3330.3	3997.6
-5°	0.0	102.1	213.6	401.1	689.5	1078.1	1562.3	2083.0	2655.9	3286.8	3943.6
-7.5°	0.0	101.8	212.8	398.1	681.5	1059.3	1529.3	2034.9	2597.0	3231.5	3895.7
-10°	0.0	101.3	211.4	394.0	671.3	1036.6	1491.7	1979.6	2527.8	3162.7	3837.4
-12.5°	0.0	100.6	209.5	388.6	659.0	1012.3	1450.7	1918.2	2449.5	3080.1	3762.4
-15°	0.0	99.8	207.1	382.1	645.6	987.5	1405.6	1851.3	2369.4	2990.3	3677.2
-17.5°	0.0	98.7	204.2	374.4	633.1	962.7	1357.0	1789.0	2290.8	2888.8	3571.5
-20°	0.0	97.5	200.8	366.1	618.4	937.3	1309.0	1729.4	2205.0	2788.9	3449.2



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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	96.1	196.8	357.7	601.7	909.4	1266.8	1665.0	2123.8	2689.4	3318.9
-25°	0.0	94.6	192.4	348.2	583.1	880.4	1223.2	1602.1	2045.5	2582.4	3189.1
-27.5°	0.0	92.8	187.4	337.6	562.5	849.5	1176.8	1550.0	1973.2	2482.6	3057.4
-30°	0.0	90.9	182.0	325.7	540.1	816.0	1129.4	1493.0	1901.1	2386.6	2927.5
-32.5°	0.0	88.8	176.5	312.8	516.3	780.0	1083.2	1431.4	1827.7	2283.8	2789.9
-35°	0.0	86.6	170.4	298.7	490.5	741.8	1032.7	1366.8	1746.9	2169.4	2644.3
-37.5°	0.0	84.1	164.5	285.1	465.3	703.2	980.7	1301.9	1664.2	2056.3	2498.3
-40°	0.0	81.3	159.7	274.7	443.9	666.0	928.9	1235.2	1574.6	1942.8	2345.2
-42.5°	0.0	78.3	154.6	263.5	421.0	626.3	873.4	1162.5	1478.5	1812.7	2179.2
-45°	0.0	75.2	149.2	251.7	396.7	584.2	814.0	1083.4	1376.3	1678.9	2011.0
-47.5°	0.0	71.9	143.4	239.1	371.1	539.7	750.6	1000.4	1274.5	1546.2	1838.4
-50°	0.0	68.4	137.3	225.8	344.3	493.0	693.1	919.3	1162.4	1406.7	1665.2
-52.5°	0.0	64.8	130.9	211.9	316.3	458.4	634.9	835.5	1048.7	1276.3	1510.3
-55°	0.0	61.1	124.2	197.3	294.9	423.0	574.6	751.2	949.9	1151.3	1356.4
-57.5°	0.0	57.3	117.1	182.1	274.4	386.5	513.0	680.8	850.5	1028.9	1223.2
-60°	0.0	53.3	109.9	170.3	253.0	348.9	469.0	609.2	754.6	920.6	1088.5
-62.5°	0.0	49.3	102.3	158.3	230.9	316.0	423.8	537.3	675.5	811.9	966.5
-65°	0.0	45.1	94.5	145.7	208.0	286.9	377.6	483.1	595.1	718.9	846.6
-67.5°	0.0	40.9	86.2	132.7	186.8	256.8	335.7	427.2	523.4	628.2	740.1
-70°	0.0	36.5	77.2	119.3	167.7	225.9	297.4	371.3	456.5	544.6	638.8
-72.5°	0.0	32.1	68.0	105.5	148.0	197.2	257.9	323.7	389.6	467.6	549.0
-75°	0.0	27.7	58.6	91.3	127.8	170.4	218.8	275.2	333.6	394.5	463.7
-77.5°	0.0	23.1	49.0	76.4	107.2	143.0	183.5	227.9	276.7	330.0	386.4
-80°	0.0	18.6	39.4	61.4	86.2	115.1	147.4	183.6	222.3	265.1	311.1
-82.5°	0.0	14.0	29.6	46.2	64.9	86.7	110.7	138.6	168.4	201.7	236.2
-85°	0.0	9.3	19.8	30.8	43.4	58.0	74.0	92.8	113.3	137.1	160.6
-87.5°	0.0	4.7	9.9	15.4	21.7	29.0	37.1	46.5	56.8	68.7	80.7
-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	42.1	45.3	47.0	48.5	51.2	52.3	54.7	55.4	57.5	57.7
85°	87.5	96.6	106.7	115.3	123.4	131.7	138.5	145.4	151.5	156.7	161.7
82.5°	156.2	169.5	184.7	211.4	237.5	261.2	281.2	299.1	316.4	331.8	356.2
80°	255.9	291.6	325.9	361.0	402.0	453.6	496.0	538.6	584.6	650.5	734.8
77.5°	383.7	434.5	498.8	576.5	657.1	718.1	813.0	890.4	998.4	1241.2	1663.8
75°	538.1	614.6	699.1	839.1	1021.0	1184.9	1303.7	1481.0	1709.3	2302.3	3304.8
72.5°	698.1	804.0	938.2	1141.9	1512.3	1975.0	2324.9	2598.8	3119.6	4036.6	5188.9
70°	866.0	997.6	1196.0	1543.3	2117.0	3044.7	3958.5	4601.8	5530.2	6744.2	7932.0
67.5°	1033.9	1217.5	1464.3	1968.5	2890.2	4259.0	5710.9	7153.2	8896.6	11113.2	13500.5
65°	1217.2	1434.6	1762.9	2389.5	3648.7	5352.9	7498.3	9856.4	13443.6	19277.4	24417.1
62.5°	1397.4	1665.4	2096.0	2967.2	4573.7	7107.0	10199.1	16569.3	23557.2	32673.6	39694.8
60°	1583.0	1913.9	2471.7	3668.9	5907.2	10762.3	17217.8	27222.6	38736.9	48732.1	55929.3
57.5°	1780.4	2180.4	2916.4	4368.3	9124.6	16250.0	27235.3	39464.5	51546.0	61490.4	67904.3
55°	1997.3	2473.9	3285.5	6235.2	13046.5	23677.2	36140.2	49207.7	59224.3	68363.8	74438.3
52.5°	2220.2	2772.8	4200.4	8595.1	17877.1	30593.0	43087.8	53472.3	62937.7	70825.7	77376.0
50°	2483.8	3223.8	5176.9	11883.0	23906.6	36719.7	47419.6	56478.7	65247.6	73128.8	79423.7
47.5°	2741.5	3613.9	6972.5	16222.9	29315.3	40570.8	49563.0	58008.5	66035.3	73603.3	79556.5
45°	3044.1	4395.1	9027.0	20477.0	32425.0	42079.3	50286.0	57908.8	65296.7	72481.3	77649.7
42.5°	3315.5	5103.9	11919.8	23223.0	34304.6	42825.9	50169.1	57213.2	64258.9	70481.9	74281.9
40°	3749.9	6358.3	14053.4	25772.9	35477.0	43047.7	49904.7	56658.7	63236.3	68354.0	72010.8
37.5°	4065.7	7683.5	16461.8	27020.1	35945.1	43181.0	49797.1	56332.9	62638.4	67134.8	70724.2
35°	4509.5	8695.4	18111.0	28251.2	36317.5	43093.0	49474.1	56147.6	62110.2	66460.0	70008.4
32.5°	5083.4	10089.3	19317.5	28583.6	36067.0	42602.5	49096.8	55919.4	61724.8	66070.5	69500.0
30°	5357.7	10981.0	20179.8	28865.1	35712.6	41930.6	48509.3	55583.2	61152.3	65415.8	68776.2
27.5°	5662.8	11478.2	20584.4	28651.5	35100.2	41159.8	47726.0	54652.8	60129.2	64304.6	67373.0
25°	6054.5	12075.6	20673.6	28233.9	34285.4	40092.3	46564.8	53191.7	58469.6	62436.5	65232.4
22.5°	6271.9	12163.9	20551.0	27725.2	33259.6	38758.2	44879.1	50923.6	55726.4	59425.6	61875.6
20°	6143.1	12003.6	19929.3	26545.5	31907.8	37149.9	42842.1	48297.9	52553.5	55971.4	58222.8
17.5°	6161.4	11592.4	18889.0	25091.9	30196.5	35210.0	40568.3	45403.4	49240.8	52297.9	54642.9
15°	6164.9	11043.9	17602.1	23352.9	28168.4	33058.3	38050.8	42496.8	46127.1	49013.2	51099.4
12.5°	6092.2	10210.6	15993.6	21278.9	25934.9	30720.4	35473.4	39696.2	43103.4	45783.1	47947.2
10°	5848.0	9335.2	14284.2	19022.8	23529.4	28162.2	32749.9	36789.8	39970.4	42531.6	44655.5
7.5°	5624.3	8414.3	12431.6	16757.1	21083.7	25452.2	29783.8	33599.3	36614.3	39060.1	41126.8
5°	5330.2	7561.7	10925.8	14716.7	18658.0	22622.3	26503.0	29904.3	32702.8	34970.7	36903.7
2.5°	5166.0	6901.7	9605.0	12807.9	16270.6	19722.1	23023.7	25912.3	28376.9	30260.9	31959.8
0°	4980.4	6284.9	8422.9	11063.9	13950.6	16844.7	19474.0	21785.3	23728.3	25160.3	26544.4
-2.5°	4849.5	5948.2	7655.9	9755.3	12087.4	14323.5	16303.4	18042.5	19537.7	20604.7	21538.2
-5°	4707.4	5639.3	7002.5	8697.2	10580.8	12317.2	13823.6	15097.0	16214.8	16979.7	17600.0
-7.5°	4617.5	5445.7	6532.8	7887.9	9392.7	10784.6	11958.2	12869.0	13739.4	14331.2	14757.2
-10°	4518.6	5280.5	6200.8	7341.0	8488.8	9641.6	10618.0	11358.8	12015.8	12514.3	12913.9
-12.5°	4409.1	5137.3	5943.8	6927.8	7912.3	8820.6	9679.2	10346.2	10916.8	11418.7	11875.8
-15°	4286.0	4998.5	5756.8	6611.2	7473.3	8262.3	9050.3	9742.9	10306.8	10821.3	11272.5
-17.5°	4161.8	4853.4	5575.8	6365.8	7137.0	7887.5	8645.2	9322.8	9950.2	10487.8	10958.2
-20°	4037.6	4694.1	5388.2	6151.1	6876.0	7596.3	8342.3	9057.1	9737.4	10302.4	10779.0



REPORT NUMBER: P902086 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MB

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	3916.6	4530.1	5225.4	5948.7	6635.5	7335.4	8099.0	8848.2	9534.1	10157.8	10645.9
-25°	3775.8	4383.0	5058.8	5737.5	6401.2	7095.8	7840.1	8622.9	9377.3	9948.4	10412.2
-27.5°	3627.7	4209.7	4865.9	5511.8	6183.4	6861.8	7596.6	8336.4	9063.1	9659.0	10113.2
-30°	3473.1	4025.0	4661.4	5286.0	5945.7	6589.8	7305.9	8019.4	8719.2	9341.8	9808.3
-32.5°	3318.8	3849.2	4442.3	5051.6	5675.0	6333.3	6974.1	7669.9	8362.7	8988.3	9504.9
-35°	3155.4	3663.3	4221.5	4786.1	5401.6	6042.0	6624.4	7290.3	7977.2	8623.5	9110.9
-37.5°	2981.8	3458.6	3975.3	4511.0	5090.0	5687.1	6273.9	6865.2	7556.8	8197.5	8662.7
-40°	2791.4	3247.9	3730.8	4235.3	4751.0	5302.7	5863.5	6428.4	7024.0	7685.5	8124.9
-42.5°	2590.3	3017.5	3446.8	3898.5	4384.0	4887.2	5424.4	5955.6	6518.8	7067.8	7575.7
-45°	2383.0	2774.8	3154.5	3548.1	3981.4	4440.3	4942.7	5464.2	6023.3	6540.8	7008.5
-47.5°	2162.5	2522.9	2874.9	3244.3	3605.0	4014.1	4460.6	4939.4	5432.4	5938.8	6398.7
-50°	1961.7	2276.6	2603.4	2939.1	3281.4	3657.2	3993.3	4446.8	4881.4	5298.9	5766.0
-52.5°	1765.4	2039.6	2340.1	2657.6	2976.9	3315.2	3640.6	3995.3	4372.4	4789.7	5220.5
-55°	1589.5	1829.9	2078.2	2379.3	2684.0	2984.6	3285.2	3576.4	3914.5	4293.3	4688.5
-57.5°	1421.6	1628.7	1851.6	2099.1	2383.0	2668.7	2947.5	3215.5	3496.9	3813.9	4160.7
-60°	1267.4	1444.0	1629.2	1843.7	2083.6	2349.0	2616.5	2874.4	3130.6	3397.5	3690.5
-62.5°	1120.9	1273.2	1426.2	1606.8	1808.3	2042.0	2275.0	2524.1	2764.8	3002.6	3251.3
-65°	984.8	1112.9	1247.0	1392.6	1574.2	1758.1	1962.9	2178.0	2394.0	2616.6	2842.1
-67.5°	853.3	972.3	1085.5	1221.3	1364.2	1516.2	1680.2	1855.6	2048.7	2242.3	2440.6
-70°	740.5	838.0	942.6	1056.3	1171.4	1298.2	1423.6	1552.9	1712.0	1869.3	2041.7
-72.5°	630.6	721.6	810.2	899.0	999.0	1097.1	1193.7	1295.6	1405.9	1516.7	1640.5
-75°	537.9	612.1	688.0	765.7	841.9	914.6	984.0	1065.6	1146.2	1226.7	1311.2
-77.5°	446.5	509.5	575.0	638.0	698.4	757.0	817.0	876.3	934.8	992.7	1055.5
-80°	361.6	412.0	460.6	511.9	565.2	610.9	652.5	694.7	738.3	783.3	823.9
-82.5°	274.2	312.9	344.5	373.0	402.8	438.2	472.2	503.3	526.2	551.0	567.4
-85°	184.2	207.8	230.9	252.0	271.0	290.2	309.2	330.9	351.6	375.5	398.9
-87.5°	92.4	103.5	116.0	130.4	148.1	165.2	182.8	202.6	221.3	243.8	265.2
-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: P902086 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	60.7	63.8	66.5	69.1	69.9	73.3	74.8	76.4	78.0	79.9	82.3
85°	170.9	182.0	195.3	209.2	220.1	225.8	226.9	229.7	241.6	271.3	320.7
82.5°	390.2	439.0	556.0	670.1	757.2	770.2	734.8	702.5	750.5	909.3	1114.0
80°	890.8	1226.0	1671.7	1984.7	2167.5	2196.6	2091.1	2059.2	2248.7	2566.0	2849.5
77.5°	2330.1	3068.1	3677.6	4042.6	4240.9	4363.9	4536.4	4878.3	5253.6	5435.6	5471.1
75°	4322.9	5142.6	5913.7	6548.0	7067.4	7685.3	8426.7	8890.3	9110.8	9219.3	9144.3
72.5°	6270.0	7398.9	8702.0	10109.5	11541.1	12840.6	13568.5	13594.3	13179.4	12722.9	12339.2
70°	9486.5	11411.0	13560.9	16456.1	19155.4	20998.5	21108.9	20155.0	18598.7	16968.7	15589.0
67.5°	16637.5	20178.2	24413.6	29705.2	34604.7	37147.5	36611.2	33647.6	29545.7	25531.1	22932.6
65°	28710.3	32906.7	38003.7	45266.6	53444.5	60401.9	63521.1	61382.8	55989.3	51395.0	47417.1
62.5°	43709.6	48049.0	53339.6	60215.4	70035.8	81648.9	92021.4	97809.4	98811.6	98325.5	97381.7
60°	60876.3	65014.2	70072.8	75757.2	84159.8	96062.9	110447.0	121933.2	131306.7	139500.6	145934.9
57.5°	73680.1	77926.1	81466.0	85775.5	92375.3	101447.1	111571.6	123103.0	135855.5	149061.7	159446.4
55°	80897.2	83605.7	86432.8	89846.0	94181.3	99364.8	105100.4	112699.9	122165.8	132958.7	140252.8
52.5°	81800.0	84472.5	86961.6	90434.9	93075.1	95118.7	98103.4	101804.6	106198.2	111390.7	114136.8
50°	83105.8	85244.7	88076.1	91161.4	93640.5	94614.1	95925.4	98041.0	100629.6	101822.7	101469.0
47.5°	82853.7	85411.1	88765.8	91142.6	92729.2	93312.8	93692.5	95144.3	96819.7	95829.9	93998.1
45°	80466.4	83146.3	85972.0	87951.3	89225.0	89728.4	90103.2	91458.2	92580.9	90975.1	89411.6
42.5°	77282.5	80099.2	82704.4	84798.9	86159.6	86846.4	87675.1	89621.5	90375.1	88708.3	87710.4
40°	75046.7	77910.2	80183.9	82223.0	83500.6	84409.6	85552.0	87555.1	87994.6	86530.5	86029.6
37.5°	73768.6	76183.2	78294.5	80079.9	81235.8	82213.1	83439.0	85383.9	85076.4	84010.2	83838.6
35°	72972.3	74999.6	76906.0	78249.0	79378.4	80341.0	81684.9	83185.9	82269.4	81569.3	81506.7
32.5°	71954.2	73883.0	75628.6	76581.6	77560.0	78639.3	80220.3	81190.5	79735.3	79300.3	79398.6
30°	70755.3	72714.0	74280.5	74983.7	75689.2	76927.3	78653.1	79200.7	77598.0	77212.1	77465.4
27.5°	69220.5	71208.4	72571.7	73116.5	73646.9	75008.5	76988.3	76885.4	75322.2	75050.1	75033.4
25°	66853.7	68959.4	70097.8	70624.5	71562.1	72855.8	74976.5	74361.8	72849.8	72426.8	72372.2
22.5°	63854.2	65997.6	67348.2	68133.7	69366.3	71286.1	73291.9	72411.8	71148.2	70817.1	70603.1
20°	60574.5	63070.4	64688.0	65930.8	67586.0	69864.9	72078.9	71113.8	70333.1	70142.1	69914.0
17.5°	57326.8	60113.6	62158.8	63723.9	65878.5	68644.4	70894.9	70106.9	69769.0	69883.5	69934.0
15°	54091.2	57042.9	59206.6	61175.7	63583.4	66702.9	68852.2	68511.7	68446.7	68885.9	69149.8
12.5°	50803.2	53746.6	55984.5	57807.8	60378.2	63535.4	65616.4	65273.1	65601.7	66167.4	66588.1
10°	47410.0	50181.4	52205.0	53939.4	56316.0	59363.4	61315.7	60806.1	61231.9	61967.9	62495.6
7.5°	43672.5	46069.9	47914.2	49458.3	51666.4	54473.5	56227.5	56017.7	56216.3	56707.9	57256.0
5°	39210.2	41402.0	42981.4	44363.4	46464.3	48941.8	50416.1	50412.8	50870.7	51261.5	51611.8
2.5°	33909.8	35797.5	37229.1	38503.3	40363.8	42568.9	44041.5	44104.8	44505.7	45133.8	45660.8
0°	28117.9	29663.1	30852.8	31840.3	33410.1	35262.8	36719.3	36859.4	37298.7	37741.8	38181.0
-2.5°	22646.1	23722.9	24532.9	25261.9	26404.3	27699.7	28901.9	29005.9	29333.4	29757.2	30217.3
-5°	18295.3	18959.9	19584.6	20100.2	20829.7	21550.0	22138.3	22196.7	22391.0	22683.2	22967.2
-7.5°	15281.4	15806.4	16243.8	16788.5	17235.7	17690.0	18146.4	18261.2	18413.2	18613.0	18841.3
-10°	13415.2	13845.1	14431.8	14954.8	15386.3	15840.9	16320.5	16396.0	16580.9	16798.7	17029.4
-12.5°	12335.5	12862.4	13429.6	13987.2	14464.7	14929.0	15399.9	15647.9	15847.5	16122.3	16278.0
-15°	11731.6	12261.3	12823.2	13378.6	13844.6	14322.0	14883.0	15227.8	15463.3	15707.8	15897.0
-17.5°	11389.3	11866.6	12393.1	12955.0	13422.6	13903.4	14453.5	14795.7	14981.2	15234.0	15395.9
-20°	11233.1	11651.5	12108.7	12588.0	12990.1	13387.0	13851.7	14226.0	14429.8	14678.6	14837.2



REPORT NUMBER: P902086 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MB

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11068.8	11389.3	11745.8	12125.7	12518.3	12902.1	13377.6	13715.5	13940.4	14100.6	14314.3
-25°	10808.8	11074.0	11394.9	11780.3	12128.1	12496.6	12885.9	13270.4	13438.8	13644.0	13856.8
-27.5°	10538.4	10849.3	11145.8	11450.5	11815.1	12123.7	12511.1	12891.8	13109.8	13315.6	13514.6
-30°	10221.0	10525.8	10850.8	11170.2	11492.1	11819.3	12206.7	12631.9	12883.4	13074.2	13282.2
-32.5°	9824.7	10134.9	10474.8	10836.8	11182.6	11529.2	11918.2	12350.7	12652.7	12840.6	13074.6
-35°	9430.1	9725.3	10086.0	10441.7	10835.0	11212.1	11596.9	12033.9	12386.7	12614.3	12879.1
-37.5°	9004.9	9306.9	9665.8	10025.2	10401.7	10772.5	11163.3	11649.9	12083.1	12320.9	12606.9
-40°	8483.8	8831.4	9185.1	9558.2	9931.7	10319.0	10727.9	11198.6	11671.9	11947.7	12160.7
-42.5°	7973.9	8340.5	8681.0	9075.2	9456.2	9898.4	10369.0	10801.9	11203.2	11469.4	11656.0
-45°	7432.4	7807.4	8171.0	8560.4	9018.9	9581.6	10149.9	10460.9	10735.0	11000.2	11218.1
-47.5°	6837.6	7222.4	7601.0	7991.5	8418.8	9025.8	9661.4	10023.7	10277.0	10602.1	10941.3
-50°	6153.3	6566.0	6951.4	7348.9	7810.4	8309.6	8876.1	9474.5	10069.8	11042.1	12088.1
-52.5°	5577.0	5946.1	6304.4	6693.1	7148.8	7601.2	8379.3	9689.0	11403.5	13309.6	14781.2
-55°	5059.9	5413.3	5761.2	6131.7	6599.2	7339.8	8991.7	11080.7	13040.6	14138.1	14174.9
-57.5°	4534.6	4921.4	5300.4	5718.4	6509.1	8008.5	9983.2	11187.6	11571.5	11336.8	10926.9
-60°	4030.0	4396.4	4786.9	5423.9	6761.8	8641.8	9672.0	9509.1	9274.3	9080.7	9047.6
-62.5°	3524.4	3842.2	4184.9	4942.1	6475.6	7820.4	7796.9	7562.4	7643.8	7798.0	7998.7
-65°	3091.7	3340.7	3618.2	4161.0	5142.3	5880.0	6007.8	6224.4	6485.8	6710.3	6926.0
-67.5°	2651.6	2873.0	3114.9	3411.9	3804.2	4254.3	4657.2	5078.8	5429.2	5673.4	5871.3
-70°	2220.4	2405.3	2601.7	2795.4	2960.7	3187.8	3496.7	3910.0	4347.1	4678.7	4921.3
-72.5°	1790.7	1954.0	2124.8	2297.4	2460.4	2607.9	2762.2	2981.4	3300.2	3665.3	4100.1
-75°	1414.6	1537.6	1668.2	1802.4	1940.4	2083.3	2216.5	2356.9	2530.2	2807.2	3199.4
-77.5°	1124.6	1197.3	1274.0	1355.1	1443.4	1548.3	1659.7	1760.8	1861.8	1963.9	2121.7
-80°	862.9	907.1	946.7	985.9	1031.6	1087.5	1146.8	1204.6	1247.1	1289.4	1349.7
-82.5°	594.5	630.6	666.1	695.1	720.8	750.8	778.1	806.4	832.2	856.0	878.0
-85°	422.8	447.0	470.7	493.7	516.7	540.6	561.1	579.4	594.8	607.9	618.4
-87.5°	283.4	298.7	313.8	328.9	343.9	358.9	371.8	384.2	393.5	403.4	410.0
-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):**

	-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°	85.9	86.0	87.0	86.5	87.0	86.0	85.9	82.3	79.9	78.0	76.4
85°	370.4	415.5	457.6	475.2	457.6	415.5	370.4	320.7	271.3	241.6	229.7
82.5°	1304.6	1472.1	1638.5	1719.7	1638.5	1472.1	1304.6	1114.0	909.3	750.5	702.5
80°	3106.3	3332.9	3502.3	3567.2	3502.3	3332.9	3106.3	2849.5	2566.0	2248.7	2059.2
77.5°	5441.4	5462.9	5494.7	5522.6	5494.7	5462.9	5441.4	5471.1	5435.6	5253.6	4878.3
75°	8820.6	8435.9	8155.6	8087.7	8155.6	8435.9	8820.6	9144.3	9219.3	9110.8	8890.3
72.5°	12082.7	11869.6	11644.3	11581.3	11644.3	11869.6	12082.7	12339.2	12722.9	13179.4	13594.3
70°	14672.1	14132.6	13939.7	13934.5	13939.7	14132.6	14672.1	15589.0	16968.7	18598.7	20155.0
67.5°	20944.8	19215.4	18193.7	17880.7	18193.7	19215.4	20944.8	22932.6	25531.1	29545.7	33647.6
65°	43727.9	40306.9	37970.3	37110.2	37970.3	40306.9	43727.9	47417.1	51395.0	55989.3	61382.8
62.5°	95073.0	92076.8	89617.3	88721.2	89617.3	92076.8	95073.0	97381.7	98325.5	98811.6	97809.4
60°	149688.3	151794.8	152241.9	152128.4	152241.9	151794.8	149688.3	145934.9	139500.6	131306.7	121933.2
57.5°	164216.2	166495.6	167410.9	168031.1	167410.9	166495.6	164216.2	159446.4	149061.7	135855.5	123103.0
55°	145053.8	148394.4	150317.9	151270.8	150317.9	148394.4	145053.8	140252.8	132958.7	122165.8	112699.9
52.5°	115709.0	117412.6	118231.0	118532.5	118231.0	117412.6	115709.0	114136.8	111390.7	106198.2	101804.6
50°	101180.7	101257.2	100602.5	100606.4	100602.5	101257.2	101180.7	101469.0	101822.7	100629.6	98041.0
47.5°	93288.2	92998.2	92430.2	92236.9	92430.2	92998.2	93288.2	93998.1	95829.9	96819.7	95144.3
45°	88971.9	88402.0	87816.8	87707.3	87816.8	88402.0	88971.9	89411.6	90975.1	92580.9	91458.2
42.5°	87368.0	86881.8	86335.8	86178.9	86335.8	86881.8	87368.0	87710.4	88708.3	90375.1	89621.5
40°	85796.7	85590.9	85238.2	85509.0	85238.2	85590.9	85796.7	86029.6	86530.5	87994.6	87555.1
37.5°	83760.2	83768.5	83599.6	83888.4	83599.6	83768.5	83760.2	83838.6	84010.2	85076.4	85383.9
35°	81528.9	81681.5	81751.4	81942.2	81751.4	81681.5	81528.9	81506.7	81569.3	82269.4	83185.9
32.5°	79521.1	79675.3	79835.0	80182.4	79835.0	79675.3	79521.1	79398.6	79300.3	79735.3	81190.5
30°	77505.2	77646.9	77789.3	78583.7	77789.3	77646.9	77505.2	77465.4	77212.1	77598.0	79200.7
27.5°	74997.5	75162.1	75175.1	75588.6	75175.1	75162.1	74997.5	75033.4	75050.1	75322.2	76885.4
25°	72146.1	72183.3	72254.4	72381.5	72254.4	72183.3	72146.1	72372.2	72426.8	72849.8	74361.8
22.5°	70365.1	70148.4	70200.8	70154.3	70200.8	70148.4	70365.1	70603.1	70817.1	71148.2	72411.8
20°	69691.9	69383.1	69389.3	69493.9	69389.3	69383.1	69691.9	69914.0	70142.1	70333.1	71113.8
17.5°	69563.2	69327.8	69239.7	69302.7	69239.7	69327.8	69563.2	69934.0	69883.5	69769.0	70106.9
15°	68830.8	68506.1	68261.0	68157.3	68261.0	68506.1	68830.8	69149.8	68885.9	68446.7	68511.7
12.5°	66549.2	66142.0	65858.3	65753.8	65858.3	66142.0	66549.2	66588.1	66167.4	65601.7	65273.1
10°	62528.9	62311.7	61819.5	61739.4	61819.5	62311.7	62528.9	62495.6	61967.9	61231.9	60806.1
7.5°	57210.0	57122.3	56790.1	56800.5	56790.1	57122.3	57210.0	57256.0	56707.9	56216.3	56017.7
5°	51723.5	51498.4	51399.1	51298.6	51399.1	51498.4	51723.5	51611.8	51261.5	50870.7	50412.8
2.5°	45656.3	45556.1	45345.3	45198.4	45345.3	45556.1	45656.3	45660.8	45133.8	44505.7	44104.8
0°	38393.1	38473.3	38470.2	38523.2	38470.2	38473.3	38393.1	38181.0	37741.8	37298.7	36859.4
-2.5°	30451.0	30539.3	30485.7	30429.6	30485.7	30539.3	30451.0	30217.3	29757.2	29333.4	29005.9
-5°	23208.4	23374.8	23287.2	23412.5	23287.2	23374.8	23208.4	22967.2	22683.2	22391.0	22196.7
-7.5°	19012.8	19160.5	19052.5	19235.4	19052.5	19160.5	19012.8	18841.3	18613.0	18413.2	18261.2
-10°	17202.6	17288.4	17290.8	17351.2	17290.8	17288.4	17202.6	17029.4	16798.7	16580.9	16396.0
-12.5°	16443.0	16565.9	16627.6	16702.2	16627.6	16565.9	16443.0	16278.0	16122.3	15847.5	15647.9
-15°	16020.5	16143.9	16216.6	16279.5	16216.6	16143.9	16020.5	15897.0	15707.8	15463.3	15227.8
-17.5°	15526.7	15652.5	15719.9	15764.9	15719.9	15652.5	15526.7	15395.9	15234.0	14981.2	14795.7
-20°	14972.7	15080.4	15155.9	15230.5	15155.9	15080.4	14972.7	14837.2	14678.6	14429.8	14226.0



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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°	14440.1	14572.4	14633.3	14698.6	14633.3	14572.4	14440.1	14314.3	14100.6	13940.4	13715.5
-25°	13996.5	14066.3	14171.9	14270.4	14171.9	14066.3	13996.5	13856.8	13644.0	13438.8	13270.4
-27.5°	13664.0	13770.2	13871.4	13992.2	13871.4	13770.2	13664.0	13514.6	13315.6	13109.8	12891.8
-30°	13453.6	13596.7	13722.1	13840.2	13722.1	13596.7	13453.6	13282.2	13074.2	12883.4	12631.9
-32.5°	13248.3	13412.2	13570.7	13714.5	13570.7	13412.2	13248.3	13074.6	12840.6	12652.7	12350.7
-35°	13089.6	13260.8	13423.9	13580.3	13423.9	13260.8	13089.6	12879.1	12614.3	12386.7	12033.9
-37.5°	12888.1	13077.1	13216.6	13338.1	13216.6	13077.1	12888.1	12606.9	12320.9	12083.1	11649.9
-40°	12360.4	12524.3	12645.3	12805.9	12645.3	12524.3	12360.4	12160.7	11947.7	11671.9	11198.6
-42.5°	11855.2	11991.1	12118.0	12231.1	12118.0	11991.1	11855.2	11656.0	11469.4	11203.2	10801.9
-45°	11428.8	11623.9	11750.7	11819.9	11750.7	11623.9	11428.8	11218.1	11000.2	10735.0	10460.9
-47.5°	11205.7	11563.2	11861.0	12048.0	11861.0	11563.2	11205.7	10941.3	10602.1	10277.0	10023.7
-50°	13140.7	14002.1	14707.4	15112.0	14707.4	14002.1	13140.7	12088.1	11042.1	10069.8	9474.5
-52.5°	15545.0	15913.4	16071.6	16244.0	16071.6	15913.4	15545.0	14781.2	13309.6	11403.5	9689.0
-55°	13909.9	13589.6	13389.5	13440.8	13389.5	13589.6	13909.9	14174.9	14138.1	13040.6	11080.7
-57.5°	10782.1	10731.1	10804.6	10877.1	10804.6	10731.1	10782.1	10926.9	11336.8	11571.5	11187.6
-60°	9237.0	9479.7	9725.8	9934.4	9725.8	9479.7	9237.0	9047.6	9080.7	9274.3	9509.1
-62.5°	8302.8	8621.6	8869.5	8941.3	8869.5	8621.6	8302.8	7998.7	7798.0	7643.8	7562.4
-65°	7192.3	7476.6	7674.6	7762.2	7674.6	7476.6	7192.3	6926.0	6710.3	6485.8	6224.4
-67.5°	6092.0	6347.4	6573.7	6676.3	6573.7	6347.4	6092.0	5871.3	5673.4	5429.2	5078.8
-70°	5201.3	5526.1	5776.8	5879.6	5776.8	5526.1	5201.3	4921.3	4678.7	4347.1	3910.0
-72.5°	4551.6	5017.4	5461.2	5685.8	5461.2	5017.4	4551.6	4100.1	3665.3	3300.2	2981.4
-75°	3628.8	3975.7	4450.4	4777.9	4450.4	3975.7	3628.8	3199.4	2807.2	2530.2	2356.9
-77.5°	2421.9	2771.8	3090.0	3221.6	3090.0	2771.8	2421.9	2121.7	1963.9	1861.8	1760.8
-80°	1508.2	1710.2	1813.6	1822.9	1813.6	1710.2	1508.2	1349.7	1289.4	1247.1	1204.6
-82.5°	915.8	959.2	988.1	995.1	988.1	959.2	915.8	878.0	856.0	832.2	806.4
-85°	629.1	637.4	641.6	643.1	641.6	637.4	629.1	618.4	607.9	594.8	579.4
-87.5°	416.5	420.3	423.3	424.1	423.3	420.3	416.5	410.0	403.4	393.5	384.2
-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):**

	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°	74.8	73.3	69.9	69.1	66.5	63.8	60.7	57.7	57.5	55.4	54.7
85°	226.9	225.8	220.1	209.2	195.3	182.0	170.9	161.7	156.7	151.5	145.4
82.5°	734.8	770.2	757.2	670.1	556.0	439.0	390.2	356.2	331.8	316.4	299.1
80°	2091.1	2196.6	2167.5	1984.7	1671.7	1226.0	890.8	734.8	650.5	584.6	538.6
77.5°	4536.4	4363.9	4240.9	4042.6	3677.6	3068.1	2330.1	1663.8	1241.2	998.4	890.4
75°	8426.7	7685.3	7067.4	6548.0	5913.7	5142.6	4322.9	3304.8	2302.3	1709.3	1481.0
72.5°	13568.5	12840.6	11541.1	10109.5	8702.0	7398.9	6270.0	5188.9	4036.6	3119.6	2598.8
70°	21108.9	20998.5	19155.4	16456.1	13560.9	11411.0	9486.5	7932.0	6744.2	5530.2	4601.8
67.5°	36611.2	37147.5	34604.7	29705.2	24413.6	20178.2	16637.5	13500.5	11113.2	8896.6	7153.2
65°	63521.1	60401.9	53444.5	45266.6	38003.7	32906.7	28710.3	24417.1	19277.4	13443.6	9856.4
62.5°	92021.4	81648.9	70035.8	60215.4	53339.6	48049.0	43709.6	39694.8	32673.6	23557.2	16569.3
60°	110447.0	96062.9	84159.8	75757.2	70072.8	65014.2	60876.3	55929.3	48732.1	38736.9	27222.6
57.5°	111571.6	101447.1	92375.3	85775.5	81466.0	77926.1	73680.1	67904.3	61490.4	51546.0	39464.5
55°	105100.4	99364.8	94181.3	89846.0	86432.8	83605.7	80897.2	74438.3	68363.8	59224.3	49207.7
52.5°	98103.4	95118.7	93075.1	90434.9	86961.6	84472.5	81800.0	77376.0	70825.7	62937.7	53472.3
50°	95925.4	94614.1	93640.5	91161.4	88076.1	85244.7	83105.8	79423.7	73128.8	65247.6	56478.7
47.5°	93692.5	93312.8	92729.2	91142.6	88765.8	85411.1	82853.7	79556.5	73603.3	66035.3	58008.5
45°	90103.2	89728.4	89225.0	87951.3	85972.0	83146.3	80466.4	77649.7	72481.3	65296.7	57908.8
42.5°	87675.1	86846.4	86159.6	84798.9	82704.4	80099.2	77282.5	74281.9	70481.9	64258.9	57213.2
40°	85552.0	84409.6	83500.6	82223.0	80183.9	77910.2	75046.7	72010.8	68354.0	63236.3	56658.7
37.5°	83439.0	82213.1	81235.8	80079.9	78294.5	76183.2	73768.6	70724.2	67134.8	62638.4	56332.9
35°	81684.9	80341.0	79378.4	78249.0	76906.0	74999.6	72972.3	70008.4	66460.0	62110.2	56147.6
32.5°	80220.3	78639.3	77560.0	76581.6	75628.6	73883.0	71954.2	69500.0	66070.5	61724.8	55919.4
30°	78653.1	76927.3	75689.2	74983.7	74280.5	72714.0	70755.3	68776.2	65415.8	61152.3	55583.2
27.5°	76988.3	75008.5	73646.9	73116.5	72571.7	71208.4	69220.5	67373.0	64304.6	60129.2	54652.8
25°	74976.5	72855.8	71562.1	70624.5	70097.8	68959.4	66853.7	65232.4	62436.5	58469.6	53191.7
22.5°	73291.9	71286.1	69366.3	68133.7	67348.2	65997.6	63854.2	61875.6	59425.6	55726.4	50923.6
20°	72078.9	69864.9	67586.0	65930.8	64688.0	63070.4	60574.5	58222.8	55971.4	52553.5	48297.9
17.5°	70894.9	68644.4	65878.5	63723.9	62158.8	60113.6	57326.8	54642.9	52297.9	49240.8	45403.4
15°	68852.2	66702.9	63583.4	61175.7	59206.6	57042.9	54091.2	51099.4	49013.2	46127.1	42496.8
12.5°	65616.4	63535.4	60378.2	57807.8	55984.5	53746.6	50803.2	47947.2	45783.1	43103.4	39696.2
10°	61315.7	59363.4	56316.0	53939.4	52205.0	50181.4	47410.0	44655.5	42531.6	39970.4	36789.8
7.5°	56227.5	54473.5	51666.4	49458.3	47914.2	46069.9	43672.5	41126.8	39060.1	36614.3	33599.3
5°	50416.1	48941.8	46464.3	44363.4	42981.4	41402.0	39210.2	36903.7	34970.7	32702.8	29904.3
2.5°	44041.5	42568.9	40363.8	38503.3	37229.1	35797.5	33909.8	31959.8	30260.9	28376.9	25912.3
0°	36719.3	35262.8	33410.1	31840.3	30852.8	29663.1	28117.9	26544.4	25160.3	23728.3	21785.3
-2.5°	28901.9	27699.7	26404.3	25261.9	24532.9	23722.9	22646.1	21538.2	20604.7	19537.7	18042.5
-5°	22138.3	21550.0	20829.7	20100.2	19584.6	18959.9	18295.3	17600.0	16979.7	16214.8	15097.0
-7.5°	18146.4	17690.0	17235.7	16788.5	16243.8	15806.4	15281.4	14757.2	14331.2	13739.4	12869.0
-10°	16320.5	15840.9	15386.3	14954.8	14431.8	13845.1	13415.2	12913.9	12514.3	12015.8	11358.8
-12.5°	15399.9	14929.0	14464.7	13987.2	13429.6	12862.4	12335.5	11875.8	11418.7	10916.8	10346.2
-15°	14883.0	14322.0	13844.6	13378.6	12823.2	12261.3	11731.6	11272.5	10821.3	10306.8	9742.9
-17.5°	14453.5	13903.4	13422.6	12955.0	12393.1	11866.6	11389.3	10958.2	10487.8	9950.2	9322.8
-20°	13851.7	13387.0	12990.1	12588.0	12108.7	11651.5	11233.1	10779.0	10302.4	9737.4	9057.1



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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°	13377.6	12902.1	12518.3	12125.7	11745.8	11389.3	11068.8	10645.9	10157.8	9534.1	8848.2
-25°	12885.9	12496.6	12128.1	11780.3	11394.9	11074.0	10808.8	10412.2	9948.4	9377.3	8622.9
-27.5°	12511.1	12123.7	11815.1	11450.5	11145.8	10849.3	10538.4	10113.2	9659.0	9063.1	8336.4
-30°	12206.7	11819.3	11492.1	11170.2	10850.8	10525.8	10221.0	9808.3	9341.8	8719.2	8019.4
-32.5°	11918.2	11529.2	11182.6	10836.8	10474.8	10134.9	9824.7	9504.9	8988.3	8362.7	7669.9
-35°	11596.9	11212.1	10835.0	10441.7	10086.0	9725.3	9430.1	9110.9	8623.5	7977.2	7290.3
-37.5°	11163.3	10772.5	10401.7	10025.2	9665.8	9306.9	9004.9	8662.7	8197.5	7556.8	6865.2
-40°	10727.9	10319.0	9931.7	9558.2	9185.1	8831.4	8483.8	8124.9	7685.5	7024.0	6428.4
-42.5°	10369.0	9898.4	9456.2	9075.2	8681.0	8340.5	7973.9	7575.7	7067.8	6518.8	5955.6
-45°	10149.9	9581.6	9018.9	8560.4	8171.0	7807.4	7432.4	7008.5	6540.8	6023.3	5464.2
-47.5°	9661.4	9025.8	8418.8	7991.5	7601.0	7222.4	6837.6	6398.7	5938.8	5432.4	4939.4
-50°	8876.1	8309.6	7810.4	7348.9	6951.4	6566.0	6153.3	5766.0	5298.9	4881.4	4446.8
-52.5°	8379.3	7601.2	7148.8	6693.1	6304.4	5946.1	5577.0	5220.5	4789.7	4372.4	3995.3
-55°	8991.7	7339.8	6599.2	6131.7	5761.2	5413.3	5059.9	4688.5	4293.3	3914.5	3576.4
-57.5°	9983.2	8008.5	6509.1	5718.4	5300.4	4921.4	4534.6	4160.7	3813.9	3496.9	3215.5
-60°	9672.0	8641.8	6761.8	5423.9	4786.9	4396.4	4030.0	3690.5	3397.5	3130.6	2874.4
-62.5°	7796.9	7820.4	6475.6	4942.1	4184.9	3842.2	3524.4	3251.3	3002.6	2764.8	2524.1
-65°	6007.8	5880.0	5142.3	4161.0	3618.2	3340.7	3091.7	2842.1	2616.6	2394.0	2178.0
-67.5°	4657.2	4254.3	3804.2	3411.9	3114.9	2873.0	2651.6	2440.6	2242.3	2048.7	1855.6
-70°	3496.7	3187.8	2960.7	2795.4	2601.7	2405.3	2220.4	2041.7	1869.3	1712.0	1552.9
-72.5°	2762.2	2607.9	2460.4	2297.4	2124.8	1954.0	1790.7	1640.5	1516.7	1405.9	1295.6
-75°	2216.5	2083.3	1940.4	1802.4	1668.2	1537.6	1414.6	1311.2	1226.7	1146.2	1065.6
-77.5°	1659.7	1548.3	1443.4	1355.1	1274.0	1197.3	1124.6	1055.5	992.7	934.8	876.3
-80°	1146.8	1087.5	1031.6	985.9	946.7	907.1	862.9	823.9	783.3	738.3	694.7
-82.5°	778.1	750.8	720.8	695.1	666.1	630.6	594.5	567.4	551.0	526.2	503.3
-85°	561.1	540.6	516.7	493.7	470.7	447.0	422.8	398.9	375.5	351.6	330.9
-87.5°	371.8	358.9	343.9	328.9	313.8	298.7	283.4	265.2	243.8	221.3	202.6
-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°	52.3	51.2	48.5	47.0	45.3	42.1	39.9	37.5	35.7	32.7	29.4
85°	138.5	131.7	123.4	115.3	106.7	96.6	87.5	77.8	71.3	65.4	58.8
82.5°	281.2	261.2	237.5	211.4	184.7	169.5	156.2	141.4	127.8	111.0	93.6
80°	496.0	453.6	402.0	361.0	325.9	291.6	255.9	216.2	186.2	163.2	139.1
77.5°	813.0	718.1	657.1	576.5	498.8	434.5	383.7	335.9	283.9	227.7	183.9
75°	1303.7	1184.9	1021.0	839.1	699.1	614.6	538.1	461.2	390.7	321.8	250.6
72.5°	2324.9	1975.0	1512.3	1141.9	938.2	804.0	698.1	602.3	508.1	414.3	328.9
70°	3958.5	3044.7	2117.0	1543.3	1196.0	997.6	866.0	743.9	629.7	520.4	405.6
67.5°	5710.9	4259.0	2890.2	1968.5	1464.3	1217.5	1033.9	890.4	755.9	627.5	497.1
65°	7498.3	5352.9	3648.7	2389.5	1762.9	1434.6	1217.2	1038.5	888.0	739.5	589.4
62.5°	10199.1	7107.0	4573.7	2967.2	2096.0	1665.4	1397.4	1191.8	1020.5	859.6	679.7
60°	17217.8	10762.3	5907.2	3668.9	2471.7	1913.9	1583.0	1348.5	1160.0	978.6	785.1
57.5°	27235.3	16250.0	9124.6	4368.3	2916.4	2180.4	1780.4	1516.3	1299.1	1102.1	889.2
55°	36140.2	23677.2	13046.5	6235.2	3285.5	2473.9	1997.3	1681.5	1449.7	1226.8	989.5
52.5°	43087.8	30593.0	17877.1	8595.1	4200.4	2772.8	2220.2	1876.2	1600.5	1351.1	1095.2
50°	47419.6	36719.7	23906.6	11883.0	5176.9	3223.8	2483.8	2065.0	1754.6	1481.3	1199.3
47.5°	49563.0	40570.8	29315.3	16222.9	6972.5	3613.9	2741.5	2267.5	1913.4	1607.5	1300.5
45°	50286.0	42079.3	32425.0	20477.0	9027.0	4395.1	3044.1	2461.7	2063.5	1723.9	1400.5
42.5°	50169.1	42825.9	34304.6	23223.0	11919.8	5103.9	3315.5	2651.7	2215.4	1844.9	1490.4
40°	49904.7	43047.7	35477.0	25772.9	14053.4	6358.3	3749.9	2880.9	2363.7	1960.0	1572.7
37.5°	49797.1	43181.0	35945.1	27020.1	16461.8	7683.5	4065.7	3087.8	2495.4	2068.6	1648.0
35°	49474.1	43093.0	36317.5	28251.2	18111.0	8695.4	4509.5	3298.9	2634.7	2158.9	1720.8
32.5°	49096.8	42602.5	36067.0	28583.6	19317.5	10089.3	5083.4	3514.6	2782.7	2245.4	1785.8
30°	48509.3	41930.6	35712.6	28865.1	20179.8	10981.0	5357.7	3690.7	2910.1	2324.7	1842.2
27.5°	47726.0	41159.8	35100.2	28651.5	20584.4	11478.2	5662.8	3836.8	3023.1	2395.7	1893.0
25°	46564.8	40092.3	34285.4	28233.9	20673.6	12075.6	6054.5	4019.7	3138.0	2464.0	1938.2
22.5°	44879.1	38758.2	33259.6	27725.2	20551.0	12163.9	6271.9	4115.2	3239.4	2542.5	1984.8
20°	42842.1	37149.9	31907.8	26545.5	19929.3	12003.6	6143.1	4191.1	3318.7	2609.5	2029.8
17.5°	40568.3	35210.0	30196.5	25091.9	18889.0	11592.4	6161.4	4238.4	3375.6	2663.8	2068.4
15°	38050.8	33058.3	28168.4	23352.9	17602.1	11043.9	6164.9	4276.3	3410.7	2704.7	2102.7
12.5°	35473.4	30720.4	25934.9	21278.9	15993.6	10210.6	6092.2	4302.2	3426.5	2735.9	2132.3
10°	32749.9	28162.2	23529.4	19022.8	14284.2	9335.2	5848.0	4275.6	3435.8	2758.1	2154.0
7.5°	29783.8	25452.2	21083.7	16757.1	12431.6	8414.3	5624.3	4226.7	3429.3	2769.1	2167.5
5°	26503.0	22622.3	18658.0	14716.7	10925.8	7561.7	5330.2	4155.1	3413.9	2770.7	2172.2
2.5°	23023.7	19722.1	16270.6	12807.9	9605.0	6901.7	5166.0	4105.2	3394.4	2762.8	2168.9
0°	19474.0	16844.7	13950.6	11063.9	8422.9	6284.9	4980.4	4038.9	3361.6	2745.0	2157.9
-2.5°	16303.4	14323.5	12087.4	9755.3	7655.9	5948.2	4849.5	3997.6	3330.3	2705.2	2124.1
-5°	13823.6	12317.2	10580.8	8697.2	7002.5	5639.3	4707.4	3943.6	3286.8	2655.9	2083.0
-7.5°	11958.2	10784.6	9392.7	7887.9	6532.8	5445.7	4617.5	3895.7	3231.5	2597.0	2034.9
-10°	10618.0	9641.6	8488.8	7341.0	6200.8	5280.5	4518.6	3837.4	3162.7	2527.8	1979.6
-12.5°	9679.2	8820.6	7912.3	6927.8	5943.8	5137.3	4409.1	3762.4	3080.1	2449.5	1918.2
-15°	9050.3	8262.3	7473.3	6611.2	5756.8	4998.5	4286.0	3677.2	2990.3	2369.4	1851.3
-17.5°	8645.2	7887.5	7137.0	6365.8	5575.8	4853.4	4161.8	3571.5	2888.8	2290.8	1789.0
-20°	8342.3	7596.3	6876.0	6151.1	5388.2	4694.1	4037.6	3449.2	2788.9	2205.0	1729.4



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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°	8099.0	7335.4	6635.5	5948.7	5225.4	4530.1	3916.6	3318.9	2689.4	2123.8	1665.0
-25°	7840.1	7095.8	6401.2	5737.5	5058.8	4383.0	3775.8	3189.1	2582.4	2045.5	1602.1
-27.5°	7596.6	6861.8	6183.4	5511.8	4865.9	4209.7	3627.7	3057.4	2482.6	1973.2	1550.0
-30°	7305.9	6589.8	5945.7	5286.0	4661.4	4025.0	3473.1	2927.5	2386.6	1901.1	1493.0
-32.5°	6974.1	6333.3	5675.0	5051.6	4442.3	3849.2	3318.8	2789.9	2283.8	1827.7	1431.4
-35°	6624.4	6042.0	5401.6	4786.1	4221.5	3663.3	3155.4	2644.3	2169.4	1746.9	1366.8
-37.5°	6273.9	5687.1	5090.0	4511.0	3975.3	3458.6	2981.8	2498.3	2056.3	1664.2	1301.9
-40°	5863.5	5302.7	4751.0	4235.3	3730.8	3247.9	2791.4	2345.2	1942.8	1574.6	1235.2
-42.5°	5424.4	4887.2	4384.0	3898.5	3446.8	3017.5	2590.3	2179.2	1812.7	1478.5	1162.5
-45°	4942.7	4440.3	3981.4	3548.1	3154.5	2774.8	2383.0	2011.0	1678.9	1376.3	1083.4
-47.5°	4460.6	4014.1	3605.0	3244.3	2874.9	2522.9	2162.5	1838.4	1546.2	1274.5	1000.4
-50°	3993.3	3657.2	3281.4	2939.1	2603.4	2276.6	1961.7	1665.2	1406.7	1162.4	919.3
-52.5°	3640.6	3315.2	2976.9	2657.6	2340.1	2039.6	1765.4	1510.3	1276.3	1048.7	835.5
-55°	3285.2	2984.6	2684.0	2379.3	2078.2	1829.9	1589.5	1356.4	1151.3	949.9	751.2
-57.5°	2947.5	2668.7	2383.0	2099.1	1851.6	1628.7	1421.6	1223.2	1028.9	850.5	680.8
-60°	2616.5	2349.0	2083.6	1843.7	1629.2	1444.0	1267.4	1088.5	920.6	754.6	609.2
-62.5°	2275.0	2042.0	1808.3	1606.8	1426.2	1273.2	1120.9	966.5	811.9	675.5	537.3
-65°	1962.9	1758.1	1574.2	1392.6	1247.0	1112.9	984.8	846.6	718.9	595.1	483.1
-67.5°	1680.2	1516.2	1364.2	1221.3	1085.5	972.3	853.3	740.1	628.2	523.4	427.2
-70°	1423.6	1298.2	1171.4	1056.3	942.6	838.0	740.5	638.8	544.6	456.5	371.3
-72.5°	1193.7	1097.1	999.0	899.0	810.2	721.6	630.6	549.0	467.6	389.6	323.7
-75°	984.0	914.6	841.9	765.7	688.0	612.1	537.9	463.7	394.5	333.6	275.2
-77.5°	817.0	757.0	698.4	638.0	575.0	509.5	446.5	386.4	330.0	276.7	227.9
-80°	652.5	610.9	565.2	511.9	460.6	412.0	361.6	311.1	265.1	222.3	183.6
-82.5°	472.2	438.2	402.8	373.0	344.5	312.9	274.2	236.2	201.7	168.4	138.6
-85°	309.2	290.2	271.0	252.0	230.9	207.8	184.2	160.6	137.1	113.3	92.8
-87.5°	182.8	165.2	148.1	130.4	116.0	103.5	92.4	80.7	68.7	56.8	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°	25.9	22.2	17.8	13.7	8.9	4.5	0.0
85°	51.8	44.3	35.5	27.3	17.8	8.9	0.0
82.5°	77.6	66.3	53.2	40.8	26.7	13.4	0.0
80°	113.8	90.2	70.9	54.3	35.5	17.8	0.0
77.5°	150.7	119.0	90.0	67.6	44.3	22.2	0.0
75°	186.9	147.3	111.6	80.8	52.9	26.5	0.0
72.5°	243.7	175.1	132.8	95.0	61.5	30.8	0.0
70°	306.3	212.5	153.4	109.2	70.0	35.1	0.0
67.5°	366.8	259.6	173.5	123.0	78.3	39.2	0.0
65°	434.2	304.9	200.4	136.4	86.6	43.3	0.0
62.5°	509.6	348.4	233.1	149.4	94.9	47.4	0.0
60°	582.7	398.1	264.6	162.0	103.0	51.3	0.0
57.5°	653.4	455.9	294.9	174.8	110.7	55.2	0.0
55°	740.2	511.6	323.8	195.1	118.2	58.9	0.0
52.5°	823.8	564.9	353.9	214.4	125.4	62.6	0.0
50°	904.1	614.6	392.6	232.5	132.3	66.1	0.0
47.5°	981.6	675.7	428.5	249.5	138.8	69.6	0.0
45°	1060.1	732.6	460.9	265.2	145.0	72.8	0.0
42.5°	1134.0	785.2	490.4	279.7	150.9	76.0	0.0
40°	1199.7	833.2	516.9	292.7	156.3	79.0	0.0
37.5°	1255.7	876.6	540.6	304.4	161.4	81.9	0.0
35°	1306.6	916.1	567.5	319.3	168.2	84.5	0.0
32.5°	1352.6	950.9	593.8	334.3	175.0	86.9	0.0
30°	1393.1	981.1	616.6	347.7	181.2	89.1	0.0
27.5°	1428.4	1006.8	637.5	359.4	187.1	91.2	0.0
25°	1459.8	1027.9	655.3	369.4	192.5	93.1	0.0
22.5°	1487.3	1045.9	670.0	377.8	197.2	94.8	0.0
20°	1512.5	1063.4	681.6	384.5	201.4	96.3	0.0
17.5°	1541.3	1076.9	690.2	391.4	205.0	97.7	0.0
15°	1567.4	1088.5	695.7	397.4	207.9	98.9	0.0
12.5°	1588.0	1098.5	701.8	402.0	210.3	99.9	0.0
10°	1603.0	1106.6	706.3	405.0	212.1	100.7	0.0
7.5°	1614.1	1112.4	708.3	406.6	213.3	101.4	0.0
5°	1619.5	1113.7	707.6	406.8	214.0	101.8	0.0
2.5°	1618.6	1110.4	704.3	405.7	214.1	102.1	0.0
0°	1611.4	1102.5	698.6	403.2	213.6	102.2	0.0
-2.5°	1589.8	1092.6	695.2	402.8	213.9	102.3	0.0
-5°	1562.3	1078.1	689.5	401.1	213.6	102.1	0.0
-7.5°	1529.3	1059.3	681.5	398.1	212.8	101.8	0.0
-10°	1491.7	1036.6	671.3	394.0	211.4	101.3	0.0
-12.5°	1450.7	1012.3	659.0	388.6	209.5	100.6	0.0
-15°	1405.6	987.5	645.6	382.1	207.1	99.8	0.0
-17.5°	1357.0	962.7	633.1	374.4	204.2	98.7	0.0
-20°	1309.0	937.3	618.4	366.1	200.8	97.5	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1266.8	909.4	601.7	357.7	196.8	96.1	0.0
-25°	1223.2	880.4	583.1	348.2	192.4	94.6	0.0
-27.5°	1176.8	849.5	562.5	337.6	187.4	92.8	0.0
-30°	1129.4	816.0	540.1	325.7	182.0	90.9	0.0
-32.5°	1083.2	780.0	516.3	312.8	176.5	88.8	0.0
-35°	1032.7	741.8	490.5	298.7	170.4	86.6	0.0
-37.5°	980.7	703.2	465.3	285.1	164.5	84.1	0.0
-40°	928.9	666.0	443.9	274.7	159.7	81.3	0.0
-42.5°	873.4	626.3	421.0	263.5	154.6	78.3	0.0
-45°	814.0	584.2	396.7	251.7	149.2	75.2	0.0
-47.5°	750.6	539.7	371.1	239.1	143.4	71.9	0.0
-50°	693.1	493.0	344.3	225.8	137.3	68.4	0.0
-52.5°	634.9	458.4	316.3	211.9	130.9	64.8	0.0
-55°	574.6	423.0	294.9	197.3	124.2	61.1	0.0
-57.5°	513.0	386.5	274.4	182.1	117.1	57.3	0.0
-60°	469.0	348.9	253.0	170.3	109.9	53.3	0.0
-62.5°	423.8	316.0	230.9	158.3	102.3	49.3	0.0
-65°	377.6	286.9	208.0	145.7	94.5	45.1	0.0
-67.5°	335.7	256.8	186.8	132.7	86.2	40.9	0.0
-70°	297.4	225.9	167.7	119.3	77.2	36.5	0.0
-72.5°	257.9	197.2	148.0	105.5	68.0	32.1	0.0
-75°	218.8	170.4	127.8	91.3	58.6	27.7	0.0
-77.5°	183.5	143.0	107.2	76.4	49.0	23.1	0.0
-80°	147.4	115.1	86.2	61.4	39.4	18.6	0.0
-82.5°	110.7	86.7	64.9	46.2	29.6	14.0	0.0
-85°	74.0	58.0	43.4	30.8	19.8	9.3	0.0
-87.5°	37.1	29.0	21.7	15.4	9.9	4.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)