

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: P902121 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/14/2024

**Test Information**

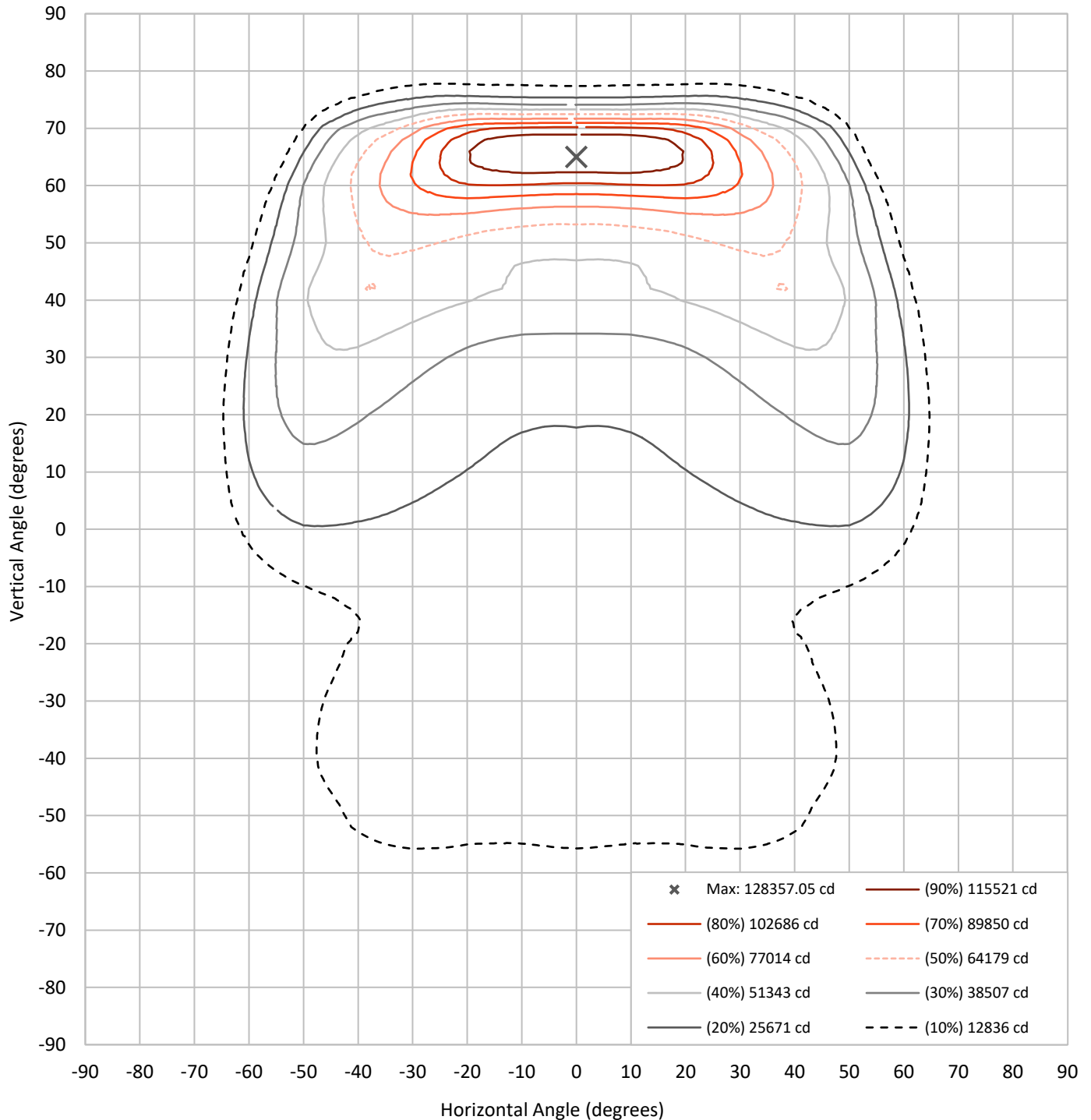
Test Method: LM-79-08  
Report Number: P902121 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( LVM2K39100)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/14/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-AV-03-1360S-57-85-A65-WNB  
Description: ARENAVISION LUMINAIRE  
5700K, 85 CRI LEDS AND A65-WNB OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 7V
Luminaire Lumens:	148076.2 lumens	Max Intensity:	128357 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 65°V
Efficacy:	104.8 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	79.1°H x 19.2°V	Field Angle (10%):	106.3°H x 133°V
Beam Lumens:	41561.9 lumens	Field Lumens:	137810.9 lumens
Beam Efficiency:	28.1%	Field Efficiency:	93.1%
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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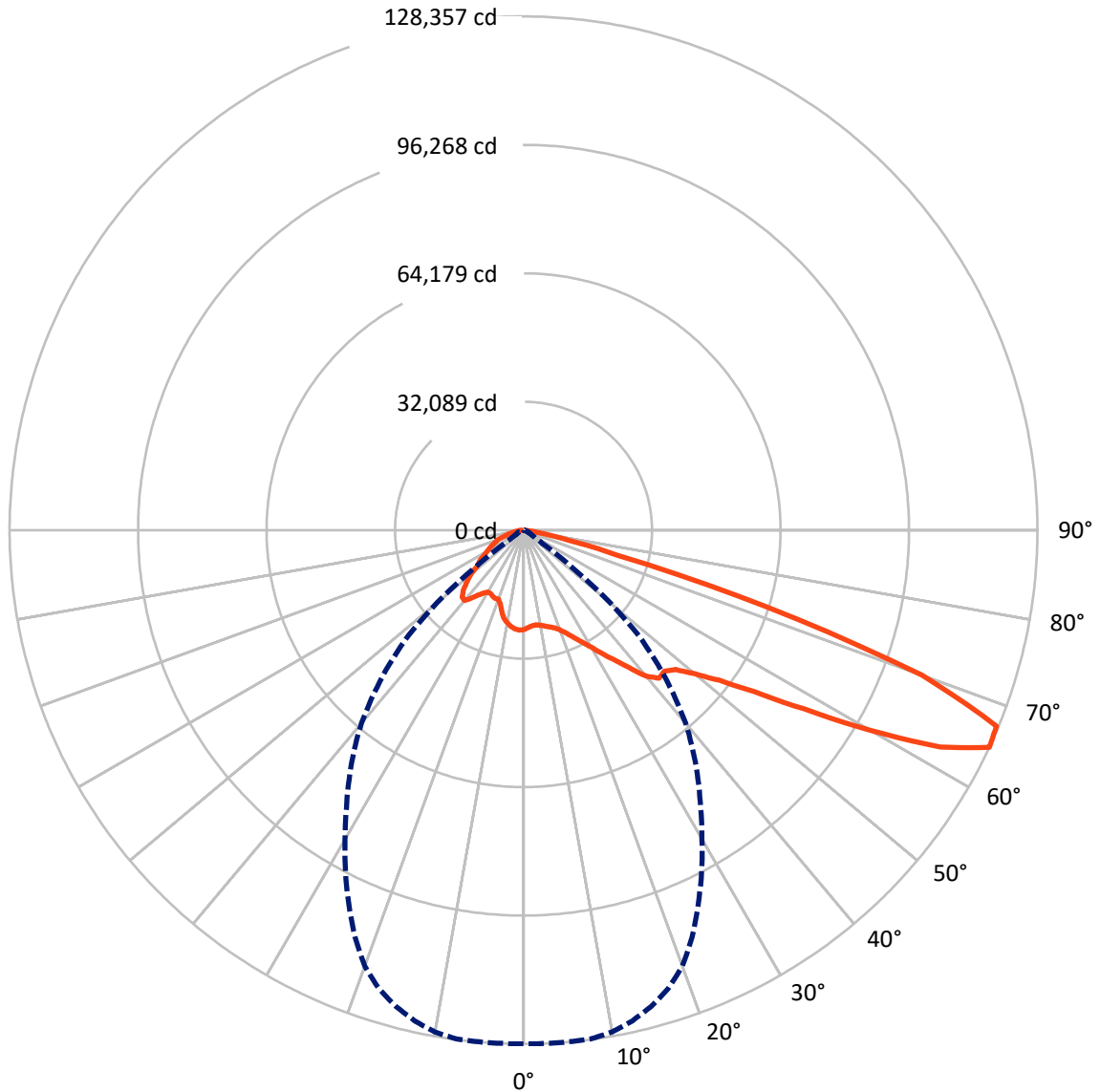
### Iso-Candela Plot





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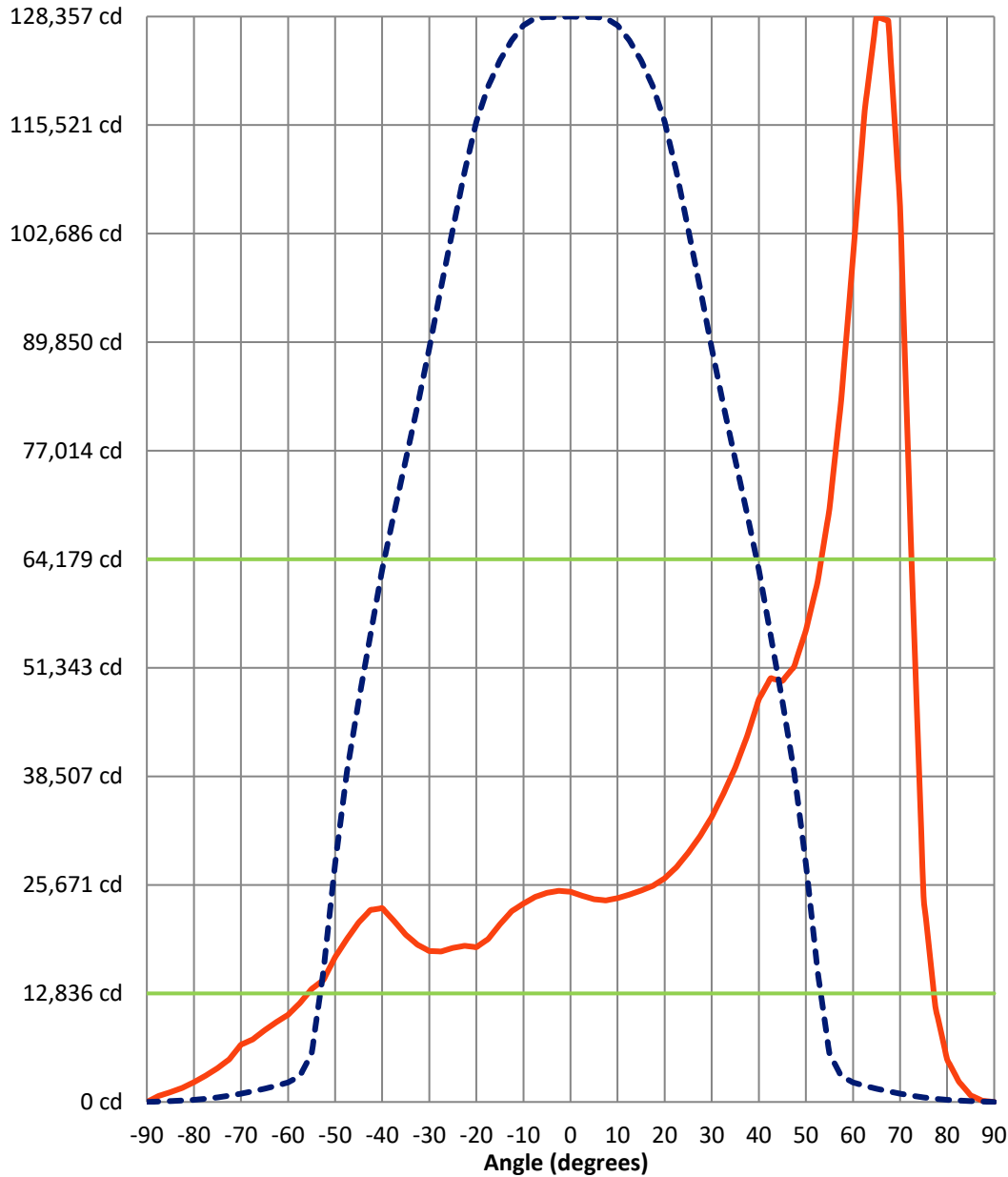
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 79.1°  
 V Angle: 19.2°  
 Lumens: 41561.9  
 Efficiency: 28.1%

**Field:**  
 H Angle: 106.3°  
 V Angle: 133°  
 Lumens: 137810.9  
 Efficiency: 93.1%

**Spill:**  
 Lumens: 10265.3  
 Efficiency: 6.9%

— 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	5.5	10.9	16.3	21.7	27.1	32.4	37.6	42.8	46.2	51.0
85°	0.0	10.9	21.8	32.6	43.4	54.1	64.7	75.2	85.5	92.3	105.1
82.5°	0.0	16.3	32.6	48.9	65.0	81.0	96.9	118.9	142.3	163.4	186.4
80°	0.0	21.7	43.4	65.0	86.5	110.3	140.8	174.7	206.2	236.6	282.8
77.5°	0.0	27.1	54.1	81.0	110.3	145.6	185.4	229.7	287.6	364.0	440.5
75°	0.0	32.4	64.7	96.9	138.2	180.6	229.2	313.2	410.2	504.1	617.3
72.5°	0.0	37.6	75.2	116.0	165.8	215.2	300.3	411.9	529.8	678.4	845.2
70°	0.0	42.8	85.5	135.5	192.9	262.0	378.8	508.5	679.6	866.6	1077.1
67.5°	0.0	47.9	95.7	154.5	219.4	321.1	454.7	627.0	828.0	1062.6	1324.5
65°	0.0	52.9	106.5	172.9	253.7	378.0	539.1	745.3	983.0	1266.7	1567.3
62.5°	0.0	57.8	117.7	190.6	294.4	432.5	633.5	859.1	1152.6	1469.2	1814.4
60°	0.0	62.5	128.6	207.7	333.5	495.3	724.9	998.7	1317.2	1691.7	2072.6
57.5°	0.0	67.2	139.3	224.8	371.0	569.0	812.9	1133.4	1496.6	1904.5	2368.0
55°	0.0	71.8	149.7	250.9	406.7	640.1	923.4	1263.4	1673.6	2140.5	2655.0
52.5°	0.0	76.2	159.8	276.2	444.4	708.5	1031.7	1410.1	1842.9	2369.1	2984.4
50°	0.0	80.4	169.6	300.6	495.5	773.4	1136.1	1554.2	2035.5	2596.9	3282.9
47.5°	0.0	84.5	179.0	324.0	544.1	854.2	1238.8	1692.8	2218.7	2841.6	3667.0
45°	0.0	88.5	188.0	346.4	589.9	929.7	1349.0	1834.5	2393.7	3063.0	4017.3
42.5°	0.0	92.2	196.7	367.7	632.5	999.6	1450.7	1971.5	2572.0	3293.7	4440.3
40°	0.0	95.8	204.9	387.5	671.7	1063.7	1541.9	2096.5	2733.9	3515.7	5286.2
37.5°	0.0	99.3	212.8	405.5	707.5	1122.1	1623.0	2210.0	2879.1	3718.0	5781.9
35°	0.0	102.8	223.3	428.2	747.9	1181.8	1704.7	2317.5	3021.0	3971.6	6539.1
32.5°	0.0	106.3	234.0	451.6	788.1	1239.3	1782.8	2415.7	3160.5	4209.8	7959.3
30°	0.0	109.6	243.8	473.2	824.4	1290.4	1852.1	2500.0	3281.6	4401.8	8788.0
27.5°	0.0	112.6	253.0	492.9	858.6	1335.2	1911.2	2571.3	3382.5	4531.9	9168.9
25°	0.0	115.3	261.3	510.8	889.0	1373.6	1960.4	2629.7	3469.5	4664.4	10225.3
22.5°	0.0	117.9	268.8	526.6	915.2	1406.0	2000.1	2687.2	3565.8	5188.5	10838.2
20°	0.0	120.1	275.4	540.6	937.4	1433.1	2032.6	2745.1	3643.6	5309.2	11203.1
17.5°	0.0	122.1	281.2	552.4	955.6	1453.8	2064.2	2791.4	3703.3	5308.6	11108.0
15°	0.0	123.9	286.2	561.9	969.8	1470.8	2089.9	2827.4	3737.6	5277.5	10818.3
12.5°	0.0	125.4	290.3	569.1	979.6	1484.4	2107.3	2851.5	3756.4	5156.9	10515.1
10°	0.0	126.6	293.6	574.1	985.5	1498.2	2116.4	2862.1	3763.5	5206.2	10027.4
7.5°	0.0	127.5	296.1	577.0	987.8	1511.3	2129.2	2862.8	3754.2	5182.8	9470.5
5°	0.0	128.2	297.7	577.8	986.5	1518.7	2137.6	2865.4	3736.3	5094.0	8720.8
2.5°	0.0	128.6	298.5	576.5	981.9	1520.4	2138.1	2856.4	3704.9	5009.9	8098.2
0°	0.0	128.8	298.6	573.4	973.9	1516.3	2130.7	2836.5	3658.8	4873.0	7345.9
-2.5°	0.0	128.8	298.2	572.5	973.2	1513.3	2123.8	2816.6	3619.1	4778.7	6926.2
-5°	0.0	128.6	297.0	569.7	969.3	1504.5	2109.4	2787.0	3566.9	4654.8	6477.8
-7.5°	0.0	128.1	295.0	565.2	962.1	1490.1	2088.0	2748.6	3508.3	4546.1	6193.9
-10°	0.0	127.3	292.2	558.8	951.6	1470.2	2059.4	2710.5	3454.3	4446.7	5935.5
-12.5°	0.0	126.3	288.6	550.6	937.7	1443.8	2023.0	2665.4	3389.3	4347.8	5737.2
-15°	0.0	125.0	284.2	540.7	920.4	1410.9	1978.9	2611.5	3317.3	4277.9	5554.5
-17.5°	0.0	123.5	279.1	528.9	899.4	1375.2	1927.1	2546.8	3238.2	4178.6	5358.0
-20°	0.0	121.7	273.2	515.6	875.4	1336.7	1867.8	2470.1	3147.3	4030.1	5139.9



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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	119.6	266.6	501.2	848.2	1294.1	1807.2	2382.8	3040.7	3853.2	4903.3
-25°	0.0	117.4	259.2	485.1	818.2	1248.5	1743.3	2292.3	2916.4	3665.8	4640.1
-27.5°	0.0	114.8	251.1	467.6	785.2	1199.8	1674.1	2204.3	2792.7	3487.2	4338.3
-30°	0.0	112.1	242.4	448.5	749.7	1147.7	1601.1	2112.0	2671.0	3332.7	4126.7
-32.5°	0.0	109.1	233.7	428.0	714.2	1092.4	1527.1	2015.7	2550.7	3170.9	3920.9
-35°	0.0	105.9	224.3	406.1	676.2	1034.2	1447.6	1916.9	2421.9	3015.4	3695.2
-37.5°	0.0	102.6	215.3	385.2	639.4	977.8	1368.2	1816.2	2294.0	2862.1	3510.2
-40°	0.0	99.2	208.6	369.1	608.4	926.3	1294.4	1713.3	2176.5	2707.5	3322.5
-42.5°	0.0	95.7	201.5	352.4	575.3	871.0	1217.8	1605.5	2051.0	2541.8	3109.6
-45°	0.0	91.9	194.0	335.0	540.2	812.1	1136.8	1493.2	1917.4	2374.9	2910.0
-47.5°	0.0	87.9	186.2	316.5	503.2	749.7	1051.2	1384.4	1781.4	2214.3	2696.0
-50°	0.0	83.8	177.9	296.8	465.2	684.1	970.7	1278.3	1635.8	2044.6	2473.3
-52.5°	0.0	79.5	169.4	276.1	426.3	635.9	889.5	1166.6	1482.0	1865.0	2265.4
-55°	0.0	75.0	160.5	254.3	395.4	586.1	806.2	1051.5	1346.2	1680.7	2038.6
-57.5°	0.0	70.3	151.3	231.5	365.0	534.0	719.1	947.2	1204.6	1495.3	1825.0
-60°	0.0	65.5	141.8	216.5	332.9	479.7	651.1	839.5	1061.9	1324.3	1603.8
-62.5°	0.0	60.6	132.0	202.0	299.3	429.0	582.3	729.5	934.1	1147.2	1404.0
-65°	0.0	55.5	121.9	187.1	264.2	380.9	512.9	648.3	804.3	997.3	1206.5
-67.5°	0.0	50.3	111.2	171.9	234.9	330.9	447.5	563.7	691.3	850.3	1027.7
-70°	0.0	45.0	99.7	156.4	212.7	279.2	385.1	478.5	587.4	716.1	855.0
-72.5°	0.0	39.6	88.0	140.7	189.7	237.7	321.6	407.4	484.0	595.1	711.4
-75°	0.0	34.1	75.9	124.0	165.9	206.4	263.2	336.7	407.4	485.9	581.6
-77.5°	0.0	28.5	63.6	104.0	141.6	174.5	222.2	273.2	330.0	401.4	474.2
-80°	0.0	22.9	51.1	83.6	114.6	142.3	180.1	221.2	261.2	317.2	373.2
-82.5°	0.0	17.2	38.5	62.9	86.2	107.6	137.0	168.5	195.1	237.1	276.9
-85°	0.0	11.5	25.7	42.1	57.6	71.8	91.6	113.3	129.1	156.2	181.0
-87.5°	0.0	5.8	12.9	21.1	28.8	35.9	45.9	56.8	64.6	78.3	90.3
-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):**

	-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°	55.7	60.3	64.8	69.2	73.4	77.5	84.5	88.5	92.2	95.8	99.3
85°	120.7	139.4	155.0	172.0	191.1	214.2	231.6	252.0	281.8	315.7	358.3
82.5°	211.5	246.0	271.2	320.3	379.1	446.8	514.8	618.4	778.6	955.8	1092.8
80°	344.4	414.5	481.5	558.3	656.0	794.4	1024.5	1426.8	1886.2	2290.6	2576.9
77.5°	515.4	616.5	740.2	873.4	1034.9	1254.1	1998.3	3102.9	4135.6	5197.4	6598.6
75°	761.3	904.6	1045.4	1298.7	1644.0	2328.8	4013.5	7537.6	10718.0	14336.1	18395.3
72.5°	1025.4	1232.5	1498.5	1857.3	3136.3	6517.2	11643.2	17638.4	24492.4	31174.6	36367.8
70°	1323.5	1582.7	1972.2	2907.0	5551.3	13020.2	23392.8	33765.4	40550.6	46743.8	52273.0
67.5°	1617.0	1948.0	2424.4	4284.5	9730.0	20627.8	32545.1	42069.0	49955.8	56860.2	64250.7
65°	1912.1	2318.2	3063.7	5730.6	15435.5	28173.8	39032.5	47421.4	55242.1	62966.3	69570.5
62.5°	2211.8	2757.1	4201.6	10271.3	21983.6	34565.6	44352.0	52289.1	60764.1	66783.2	72994.1
60°	2549.5	3385.0	6039.6	15059.5	28500.1	38886.7	47339.9	55007.2	61588.5	67561.5	73621.3
57.5°	2926.9	4110.0	9269.7	20524.1	31813.1	40856.9	48391.0	55405.5	60870.9	66641.2	72535.5
55°	3340.2	5534.9	12328.6	23999.7	33950.4	41507.2	48588.8	54496.5	59860.6	65671.9	70328.3
52.5°	3871.7	6982.8	16315.5	26958.7	34941.8	42268.4	48480.5	53348.2	58612.5	63485.0	67180.7
50°	4663.1	9889.5	19805.4	29013.2	36706.0	43291.4	48214.5	53058.2	57903.2	62546.0	64828.8
47.5°	5562.8	12712.0	22578.7	31483.4	38964.9	44603.0	49462.3	54124.9	58625.2	62008.4	63599.0
45°	7474.3	15642.7	25532.6	34061.4	41386.0	46935.6	51651.8	56184.1	60396.7	62680.5	63553.0
42.5°	8844.7	18781.4	28024.5	36523.3	43768.0	49269.2	54185.3	58589.9	62070.1	63969.9	64868.4
40°	11313.5	21255.0	30140.6	38459.4	44909.0	49996.4	54625.1	58769.9	61752.8	63078.7	63004.9
37.5°	13558.5	23262.5	31410.5	38565.3	44308.1	48956.7	53135.8	56641.2	58369.2	58991.2	58543.0
35°	15335.7	24928.5	32052.9	38597.4	43593.5	47677.0	51458.0	54155.3	55240.5	55259.6	54329.8
32.5°	16969.9	25955.2	32872.0	38643.9	43076.9	46821.9	50138.8	52138.2	52541.1	52075.2	50862.3
30°	18534.8	27147.8	33680.0	38976.6	42873.2	46039.9	48977.5	50153.3	50194.4	49394.8	48010.1
27.5°	19654.2	28080.2	34219.7	38994.6	42351.6	45103.3	47335.0	48081.8	47769.3	46748.1	45293.4
25°	20302.7	28500.3	34481.3	38823.9	41693.1	44007.2	45687.4	45924.6	45359.0	44152.8	42678.2
22.5°	20656.6	28810.7	34488.4	38574.1	40895.5	42715.8	43802.6	43703.6	42974.6	41759.5	40321.7
20°	20863.6	28760.8	34136.9	37744.1	39912.9	41424.4	41961.1	41678.7	40804.6	39566.2	38172.4
17.5°	20561.6	28212.0	33375.3	36808.3	38844.0	40109.7	40313.8	39753.7	38788.2	37598.9	36333.0
15°	19836.6	27169.0	32339.0	35713.7	37566.6	38595.1	38609.0	37927.4	36964.7	35773.7	34623.9
12.5°	18905.2	25929.8	30946.9	34171.6	35975.0	36952.8	36872.0	36187.7	35250.3	34101.8	33035.0
10°	17752.9	24357.5	29185.7	32269.5	34136.2	35087.4	35001.9	34423.7	33504.8	32470.0	31487.8
7.5°	16368.5	22530.3	27089.3	30101.2	31965.1	33000.1	32930.9	32459.6	31662.6	30756.8	29911.3
5°	14751.0	20435.8	24631.1	27582.8	29533.4	30647.5	30642.1	30290.4	29653.0	28889.5	28198.1
2.5°	13013.4	17989.3	21871.6	24772.3	26778.2	27959.3	28074.0	27829.8	27368.1	26795.2	26252.9
0°	11114.3	15327.0	18862.0	21632.5	23624.9	24819.9	25072.4	24977.3	24732.0	24379.4	24058.5
-2.5°	9801.7	12938.5	15799.2	18256.3	20112.4	21361.8	21825.3	21977.4	21986.6	21949.9	21926.3
-5°	8515.5	10790.3	13082.9	15174.2	16765.6	17928.0	18539.8	18908.0	19189.9	19473.8	19759.9
-7.5°	7864.0	9419.2	10899.6	12503.7	13903.7	14930.1	15509.7	15871.8	16350.6	16799.0	17310.6
-10°	7279.7	8506.5	9715.3	10924.3	11801.0	12729.0	13300.3	13604.0	14130.6	14614.9	15120.9
-12.5°	7004.2	8007.6	8914.2	9970.9	10800.2	11456.8	12082.7	12490.3	12962.0	13353.7	13825.7
-15°	6749.4	7770.1	8561.4	9414.4	10247.8	10928.5	11540.3	11974.0	12428.9	12758.9	13192.2
-17.5°	6578.5	7641.5	8354.1	9212.3	9969.8	10715.2	11351.8	11883.2	12361.4	12733.7	13299.2
-20°	6354.2	7484.9	8223.7	9001.9	9802.0	10576.9	11350.0	12039.7	12708.6	13310.2	14058.4



REPORT NUMBER: P902121 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WNB

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	6074.7	7192.7	8036.9	8753.8	9603.4	10431.4	11292.8	12165.4	12970.5	13743.9	14694.8
-25°	5784.8	6967.7	7869.0	8688.5	9498.2	10440.4	11440.6	12420.6	13401.4	14332.1	15393.4
-27.5°	5524.1	6732.7	7898.4	8711.6	9634.6	10665.9	11797.0	12958.4	14124.2	15169.1	16334.7
-30°	5225.3	6560.9	7880.0	8856.6	9859.4	10965.9	12235.8	13509.6	14819.4	15941.8	17172.8
-32.5°	4935.7	6282.7	7819.3	8992.2	10049.4	11232.0	12555.4	13905.2	15269.3	16444.8	17694.9
-35°	4626.2	6042.0	7777.1	9147.1	10241.4	11428.7	12798.2	14184.0	15542.1	16691.4	17735.6
-37.5°	4361.5	5788.3	7620.1	9155.2	10412.0	11588.1	12910.6	14234.9	15556.2	16651.2	17544.2
-40°	4153.8	5487.7	7458.0	9108.8	10485.2	11645.7	12888.1	14109.2	15292.9	16418.4	17276.2
-42.5°	3871.9	5195.0	7080.1	8786.0	10261.4	11546.7	12636.8	13709.1	14801.4	15938.8	16913.7
-45°	3624.5	4842.2	6609.1	8306.3	9757.1	11019.8	12116.6	13068.8	14050.4	15068.9	16035.4
-47.5°	3358.9	4471.2	6150.8	7742.9	9150.8	10350.8	11449.3	12436.9	13242.1	14162.2	15015.7
-50°	3091.5	4112.7	5624.3	7109.9	8434.7	9731.3	10796.8	11890.9	12847.2	13638.8	14447.6
-52.5°	2782.6	3648.5	4980.3	6320.5	7459.0	8611.4	9943.4	11125.0	12255.7	13225.2	13977.7
-55°	2488.7	3163.6	4183.3	5287.0	6168.2	7083.9	8162.5	9457.1	10584.4	11464.5	12260.8
-57.5°	2195.1	2667.6	3371.1	4042.3	4827.1	5566.6	6376.1	7403.9	8528.2	9426.0	10010.3
-60°	1920.2	2285.2	2689.0	3215.9	3675.2	4359.5	5059.2	5844.4	6950.7	7973.5	8662.7
-62.5°	1656.3	1943.5	2261.2	2615.6	3035.1	3527.5	4113.3	4720.2	5243.5	6222.2	7209.9
-65°	1423.4	1638.7	1910.3	2193.4	2562.1	2980.1	3491.6	3989.7	4445.2	4918.8	5522.9
-67.5°	1205.6	1396.3	1597.6	1852.9	2142.9	2476.6	2897.6	3325.1	3705.6	4047.3	4379.8
-70°	1012.6	1165.2	1340.4	1540.7	1752.6	2022.5	2330.1	2658.1	2987.8	3252.5	3497.2
-72.5°	824.0	963.2	1106.2	1260.6	1448.0	1639.0	1837.2	2078.8	2334.2	2554.9	2746.2
-75°	685.0	784.0	891.9	1033.0	1179.9	1328.4	1477.5	1651.8	1822.7	1986.2	2133.5
-77.5°	550.4	630.9	727.2	831.3	943.6	1058.3	1178.8	1310.5	1442.1	1576.2	1693.9
-80°	434.4	497.7	572.7	649.0	739.9	831.9	921.4	1018.0	1120.9	1220.4	1315.9
-82.5°	321.0	371.3	429.0	486.8	551.9	628.8	692.6	760.7	833.6	895.0	974.7
-85°	211.1	258.9	297.1	331.6	375.8	431.3	474.2	527.0	569.1	609.2	666.7
-87.5°	105.0	134.0	153.9	170.9	197.9	223.6	248.8	278.1	311.8	344.8	380.6
-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: P902121 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WNB

**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°	106.4	116.5	129.3	140.6	142.3	150.0	152.6	156.8	152.5	154.7	154.8
85°	402.3	490.1	603.6	708.1	784.1	835.4	858.0	910.6	958.5	970.7	937.4
82.5°	1246.2	1465.4	1796.5	2143.1	2389.4	2562.5	2696.5	2804.1	2817.7	2768.9	2717.8
80°	3115.0	3904.8	4787.3	5569.6	6010.1	6122.5	6122.5	6134.9	6136.9	6005.4	5810.7
77.5°	8924.0	10771.2	11966.7	12864.3	13229.5	13010.4	12472.7	12026.1	11913.6	11997.0	12051.4
75°	21717.2	23650.6	25414.6	27469.0	28979.6	29084.6	28150.7	27420.8	26462.6	25629.4	24961.1
72.5°	39345.0	42678.4	47472.1	52924.2	57675.7	61134.4	63766.8	64692.9	64047.9	63116.4	62685.1
70°	57470.4	64058.4	71820.4	79817.1	86982.2	92172.8	97430.5	101153.9	102907.9	103906.9	104861.5
67.5°	71764.9	78064.4	85124.9	93187.0	100221.7	106694.4	113102.4	118164.4	121843.2	125295.8	127426.4
65°	75932.7	82345.1	89129.4	96313.2	103207.4	110002.6	115914.5	120087.8	123163.0	125531.4	127308.3
62.5°	79115.6	84858.1	91305.1	97270.7	102375.3	107968.3	112524.7	114880.3	116056.1	117032.5	117766.3
60°	79493.3	84214.2	88619.8	92789.8	96425.8	99630.0	101683.4	102351.8	102401.8	102165.4	101843.4
57.5°	77425.6	80345.7	83033.9	85403.7	87085.3	88063.9	88195.9	87674.3	86652.3	85735.7	84895.7
55°	73644.1	75060.9	76539.9	77212.8	76978.8	76281.7	75701.6	74544.2	73216.6	72140.4	71615.3
52.5°	68646.3	69662.9	69717.0	69594.1	69005.3	67899.6	66764.0	65577.6	64449.6	63574.2	62634.6
50°	66023.2	65972.4	65992.5	65067.2	64107.7	62578.8	61240.8	60033.7	58507.6	57345.4	56568.3
47.5°	63938.6	63682.4	62667.0	61559.8	59829.9	58297.7	56616.2	54954.2	53904.3	52927.0	52039.3
45°	63544.9	62848.4	61625.7	60071.8	58035.1	56288.1	54442.8	53044.5	52034.0	50975.9	50119.6
42.5°	64224.4	63382.4	62275.5	60131.1	58572.0	56282.8	54942.6	53283.2	52261.6	51705.7	50730.7
40°	62220.1	61081.3	59200.1	57225.1	55371.8	53377.2	51930.8	50412.2	49360.1	48698.6	48073.9
37.5°	57366.5	55755.0	53838.5	51872.5	49880.5	48177.8	46636.3	45554.0	44528.5	43954.9	43472.2
35°	52833.1	51106.8	49205.1	47285.0	45360.2	43851.4	42549.6	41505.1	40690.3	40150.4	39740.0
32.5°	49349.9	47581.6	45655.1	43758.1	42061.9	40564.8	39327.0	38375.4	37635.7	37111.5	36740.3
30°	46468.0	44669.1	42744.7	40961.5	39300.0	37840.7	36662.9	35681.9	34958.6	34467.5	34148.4
27.5°	43715.5	41911.2	40141.3	38418.0	36822.6	35449.4	34301.6	33363.0	32642.8	32122.5	31819.7
25°	41117.7	39427.1	37794.8	36202.9	34651.4	33377.7	32271.7	31338.5	30648.3	30144.5	29821.2
22.5°	38866.5	37266.5	35756.1	34264.7	32804.2	31615.4	30541.2	29659.3	28980.0	28476.6	28137.6
20°	36838.5	35308.4	33999.6	32601.5	31255.2	30159.6	29175.8	28316.7	27651.0	27149.1	26786.9
17.5°	34998.7	33620.5	32417.6	31197.0	29938.3	29008.6	28069.6	27278.3	26635.0	26144.0	25796.4
15°	33381.3	32107.2	31033.0	29918.1	28869.1	28022.7	27206.1	26473.2	25882.2	25454.4	25127.4
12.5°	31884.9	30713.1	29738.2	28735.4	27834.3	27077.8	26397.9	25751.8	25238.9	24834.7	24557.2
10°	30413.2	29331.4	28501.7	27636.3	26834.2	26128.8	25526.2	25010.4	24558.4	24225.9	24029.0
7.5°	29001.4	28027.3	27273.6	26474.8	25725.9	25157.5	24640.3	24266.7	23962.8	23733.0	23658.1
5°	27449.5	26600.1	25879.2	25213.4	24571.7	24172.5	23844.8	23612.2	23491.0	23459.4	23580.4
2.5°	25631.9	24961.2	24394.7	23926.0	23514.9	23320.3	23179.3	23181.0	23299.5	23411.0	23649.1
0°	23666.7	23254.4	22954.1	22736.6	22574.6	22603.7	22690.1	22867.6	23134.3	23458.3	23864.2
-2.5°	21837.8	21706.3	21684.7	21734.4	21790.6	22021.5	22258.2	22531.6	22918.8	23360.2	23869.2
-5°	19999.5	20231.8	20521.4	20835.6	21091.5	21467.4	21841.3	22212.7	22643.5	23145.2	23659.2
-7.5°	17924.9	18544.7	19166.6	19798.9	20329.8	20901.7	21423.3	21847.4	22291.7	22778.4	23258.3
-10°	15858.7	16664.6	17561.9	18494.0	19312.0	20098.5	20786.0	21295.0	21778.3	22227.3	22655.5
-12.5°	14437.0	15167.6	16002.2	17009.5	17932.7	18881.6	19706.6	20326.6	20807.7	21290.3	21716.5
-15°	13750.1	14386.7	15138.5	15992.6	16772.8	17578.2	18368.9	18955.6	19391.6	19792.7	20198.6
-17.5°	13895.3	14457.8	15108.8	15814.8	16366.0	16877.4	17441.4	17861.5	18135.4	18379.2	18590.9
-20°	14819.5	15564.0	16378.7	17220.5	17626.8	17624.8	17728.6	17857.3	17887.9	17911.3	17961.7



REPORT NUMBER: P902121 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WNB

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	15634.1	16591.6	17620.4	18662.7	19353.3	19404.8	19217.5	18863.3	18458.9	18151.1	18133.0
-25°	16374.1	17365.7	18393.3	19451.5	20284.4	20466.9	20238.1	19532.0	18913.5	18199.9	17996.9
-27.5°	17415.3	18453.6	19494.9	20507.6	21462.2	21777.6	21621.1	20891.9	19909.4	18844.8	18159.6
-30°	18298.9	19363.6	20401.6	21367.1	22276.8	22753.1	22735.6	22217.8	21316.5	20252.2	19254.8
-32.5°	18799.3	19776.0	20651.2	21402.3	22052.2	22579.0	22661.2	22574.2	22090.1	21449.3	20729.0
-35°	18765.0	19556.1	20293.2	20872.0	21301.9	21690.2	21755.1	21873.7	21824.5	21649.3	21411.0
-37.5°	18390.7	19165.2	19858.4	20404.7	20770.2	21117.7	21241.2	21351.3	21467.1	21596.3	21749.6
-40°	18089.3	18899.8	19559.0	20076.9	20517.5	20798.1	21143.4	21192.5	21449.4	21714.0	22164.8
-42.5°	17674.3	18394.7	18962.5	19434.7	19771.8	20008.8	20310.7	20440.5	20656.8	20996.2	21467.5
-45°	16940.8	17628.2	18173.5	18504.8	18750.1	18797.9	18874.6	19005.0	19193.7	19492.5	19930.4
-47.5°	15895.8	16629.5	17126.3	17355.0	17419.1	17355.4	17326.4	17400.6	17531.3	17845.0	18248.1
-50°	15207.2	15873.9	16132.1	16217.7	16090.6	15930.6	15858.9	15857.1	15965.8	16175.9	16396.7
-52.5°	14807.6	15261.1	15553.9	15521.3	15242.7	15159.4	14968.8	14818.8	14743.2	14565.0	14471.5
-55°	13017.5	13392.9	13779.3	13647.8	13691.2	13633.0	13042.7	12842.4	12789.1	12713.9	12793.3
-57.5°	10362.7	10911.9	10943.6	11024.1	10836.7	10335.6	10174.5	10256.7	10427.5	10705.4	10979.1
-60°	9120.7	9366.6	9401.9	9234.1	9060.4	8923.8	8949.7	9197.6	9499.4	9757.2	9959.6
-62.5°	7785.7	7979.2	7988.4	7850.5	7811.5	7932.1	8202.0	8523.9	8771.6	8945.7	9108.6
-65°	6083.0	6395.5	6538.1	6632.4	6813.1	7034.4	7312.4	7618.4	7850.8	8006.8	8141.1
-67.5°	4732.3	5031.1	5300.9	5550.2	5797.3	6059.6	6318.9	6595.1	6850.9	7014.1	7145.8
-70°	3745.7	3994.9	4261.2	4525.7	4760.1	4986.9	5283.5	5741.7	6182.2	6483.7	6661.7
-72.5°	2948.0	3159.5	3368.6	3569.2	3759.9	3970.0	4351.9	4907.5	5342.3	5436.7	5263.4
-75°	2300.3	2482.6	2667.6	2836.8	2985.0	3148.0	3401.1	3678.6	3831.2	3852.6	3855.1
-77.5°	1825.6	1965.5	2113.8	2240.3	2354.3	2471.2	2608.4	2726.4	2835.6	2927.7	2998.8
-80°	1412.1	1515.0	1623.8	1715.9	1808.8	1881.9	1971.5	2059.6	2136.4	2197.4	2246.5
-82.5°	1035.4	1117.7	1201.5	1260.1	1320.7	1370.4	1437.7	1499.8	1547.2	1585.7	1614.7
-85°	731.0	801.1	855.8	910.1	941.1	973.5	1004.9	1054.4	1086.1	1105.7	1129.1
-87.5°	409.7	451.2	488.8	510.6	545.0	578.4	601.8	622.4	648.4	663.5	688.1
-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: P902121 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-WNB

**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°	154.3	149.6	146.2	147.5	146.2	149.6	154.3	154.8	154.7	152.5	156.8
85°	895.6	838.3	799.1	787.3	799.1	838.3	895.6	937.4	970.7	958.5	910.6
82.5°	2618.9	2534.1	2453.7	2404.6	2453.7	2534.1	2618.9	2717.8	2768.9	2817.7	2804.1
80°	5440.5	5203.9	5093.7	5038.6	5093.7	5203.9	5440.5	5810.7	6005.4	6136.9	6134.9
77.5°	11807.5	11542.3	11369.9	11275.4	11369.9	11542.3	11807.5	12051.4	11997.0	11913.6	12026.1
75°	24624.9	24495.4	24372.8	24315.7	24372.8	24495.4	24624.9	24961.1	25629.4	26462.6	27420.8
72.5°	62872.4	63142.9	63154.9	63117.7	63154.9	63142.9	62872.4	62685.1	63116.4	64047.9	64692.9
70°	105623.1	105878.1	105930.8	105938.2	105930.8	105878.1	105623.1	104861.5	103906.9	102907.9	101153.9
67.5°	128083.7	127953.0	127805.3	127848.7	127805.3	127953.0	128083.7	127426.4	125295.8	121843.2	118164.4
65°	128187.0	128302.4	128308.6	128357.1	128308.6	128302.4	128187.0	127308.3	125531.4	123163.0	120087.8
62.5°	117887.0	117559.0	117301.2	117244.5	117301.2	117559.0	117887.0	117766.3	117032.5	116056.1	114880.3
60°	101223.8	100447.2	99991.8	99862.0	99991.8	100447.2	101223.8	101843.4	102165.4	102401.8	102351.8
57.5°	84088.9	83348.1	83035.2	83016.4	83035.2	83348.1	84088.9	84895.7	85735.7	86652.3	87674.3
55°	70898.5	70190.4	69985.7	70119.1	69985.7	70190.4	70898.5	71615.3	72140.4	73216.6	74544.2
52.5°	61846.1	61277.7	61240.4	61531.8	61240.4	61277.7	61846.1	62634.6	63574.2	64449.6	65577.6
50°	56057.3	55672.6	55568.0	55761.4	55568.0	55672.6	56057.3	56568.3	57345.4	58507.6	60033.7
47.5°	51442.9	51280.8	51297.4	51490.5	51297.4	51280.8	51442.9	52039.3	52927.0	53904.3	54954.2
45°	49835.0	49699.2	49679.3	49790.8	49679.3	49699.2	49835.0	50119.6	50975.9	52034.0	53044.5
42.5°	50244.1	50061.4	50068.4	50098.0	50068.4	50061.4	50244.1	50730.7	51705.7	52261.6	53283.2
40°	47691.1	47578.0	47607.2	47606.5	47607.2	47578.0	47691.1	48073.9	48698.6	49360.1	50412.2
37.5°	43149.4	43071.6	43108.8	43232.3	43108.8	43071.6	43149.4	43472.2	43954.9	44528.5	45554.0
35°	39586.2	39530.7	39484.9	39546.2	39484.9	39530.7	39586.2	39740.0	40150.4	40690.3	41505.1
32.5°	36593.8	36486.6	36454.4	36478.5	36454.4	36486.6	36593.8	36740.3	37111.5	37635.7	38375.4
30°	33940.9	33768.8	33696.9	33708.4	33696.9	33768.8	33940.9	34148.4	34467.5	34958.6	35681.9
27.5°	31616.4	31449.9	31370.5	31421.7	31370.5	31449.9	31616.4	31819.7	32122.5	32642.8	33363.0
25°	29593.0	29458.0	29402.7	29476.2	29402.7	29458.0	29593.0	29821.2	30144.5	30648.3	31338.5
22.5°	27912.9	27763.5	27706.4	27762.9	27706.4	27763.5	27912.9	28137.6	28476.6	28980.0	29659.3
20°	26557.5	26421.8	26374.9	26449.0	26374.9	26421.8	26557.5	26786.9	27149.1	27651.0	28316.7
17.5°	25596.5	25457.4	25477.6	25563.9	25477.6	25457.4	25596.5	25796.4	26144.0	26635.0	27278.3
15°	24949.9	24865.9	24904.0	25004.6	24904.0	24865.9	24949.9	25127.4	25454.4	25882.2	26473.2
12.5°	24405.0	24344.5	24432.0	24523.2	24432.0	24344.5	24405.0	24557.2	24834.7	25238.9	25751.8
10°	23931.9	23935.4	24037.5	24106.3	24037.5	23935.4	23931.9	24029.0	24225.9	24558.4	25010.4
7.5°	23696.3	23760.9	23826.4	23836.9	23826.4	23760.9	23696.3	23658.1	23733.0	23962.8	24266.7
5°	23712.8	23832.8	23900.3	23976.2	23900.3	23832.8	23712.8	23580.4	23459.4	23491.0	23612.2
2.5°	23952.6	24182.5	24317.2	24384.4	24317.2	24182.5	23952.6	23649.1	23411.0	23299.5	23181.0
0°	24276.1	24563.2	24754.8	24856.3	24754.8	24563.2	24276.1	23864.2	23458.3	23134.3	22867.6
-2.5°	24343.0	24667.2	24872.6	24971.0	24872.6	24667.2	24343.0	23869.2	23360.2	22918.8	22531.6
-5°	24107.0	24422.7	24638.3	24731.5	24638.3	24422.7	24107.0	23659.2	23145.2	22643.5	22212.7
-7.5°	23648.9	23942.4	24181.6	24250.6	24181.6	23942.4	23648.9	23258.3	22778.4	22291.7	21847.4
-10°	22986.3	23233.7	23410.5	23460.1	23410.5	23233.7	22986.3	22655.5	22227.3	21778.3	21295.0
-12.5°	22059.4	22296.2	22495.4	22554.9	22495.4	22296.2	22059.4	21716.5	21290.3	20807.7	20326.6
-15°	20521.1	20737.4	20929.4	21007.3	20929.4	20737.4	20521.1	20198.6	19792.7	19391.6	18955.6
-17.5°	18898.8	19053.2	19193.8	19271.1	19193.8	19053.2	18898.8	18590.9	18379.2	18135.4	17861.5
-20°	18161.0	18240.7	18277.0	18308.6	18277.0	18240.7	18161.0	17961.7	17911.3	17887.9	17857.3



REPORT NUMBER: P902121 (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°
-22.5°	18159.8	18306.9	18414.1	18466.6	18414.1	18306.9	18159.8	18133.0	18151.1	18458.9	18863.3
-25°	17869.1	17959.3	18128.7	18216.7	18128.7	17959.3	17869.1	17996.9	18199.9	18913.5	19532.0
-27.5°	17763.0	17636.5	17731.6	17797.5	17731.6	17636.5	17763.0	18159.6	18844.8	19909.4	20891.9
-30°	18418.8	17929.0	17832.4	17853.6	17832.4	17929.0	18418.8	19254.8	20252.2	21316.5	22217.8
-32.5°	19806.2	19077.8	18711.6	18597.7	18711.6	19077.8	19806.2	20729.0	21449.3	22090.1	22574.2
-35°	21016.9	20504.7	20017.7	19783.1	20017.7	20504.7	21016.9	21411.0	21649.3	21824.5	21873.7
-37.5°	21863.5	21778.7	21547.6	21412.3	21547.6	21778.7	21863.5	21749.6	21596.3	21467.1	21351.3
-40°	22727.2	22868.9	22879.1	22923.1	22879.1	22868.9	22727.2	22164.8	21714.0	21449.4	21192.5
-42.5°	22103.5	22452.8	22609.3	22699.2	22609.3	22452.8	22103.5	21467.5	20996.2	20656.8	20440.5
-45°	20456.9	20881.0	21119.5	21222.9	21119.5	20881.0	20456.9	19930.4	19492.5	19193.7	19005.0
-47.5°	18698.1	18992.3	19191.2	19268.8	19191.2	18992.3	18698.1	18248.1	17845.0	17531.3	17400.6
-50°	16636.6	16894.2	17077.5	17129.1	17077.5	16894.2	16636.6	16396.7	16175.9	15965.8	15857.1
-52.5°	14446.5	14447.5	14436.2	14428.2	14436.2	14447.5	14446.5	14471.5	14565.0	14743.2	14818.8
-55°	12968.4	13145.3	13282.9	13354.6	13282.9	13145.3	12968.4	12793.3	12713.9	12789.1	12842.4
-57.5°	11293.3	11513.1	11644.7	11690.0	11644.7	11513.1	11293.3	10979.1	10705.4	10427.5	10256.7
-60°	10117.3	10246.5	10316.7	10312.0	10316.7	10246.5	10117.3	9959.6	9757.2	9499.4	9197.6
-62.5°	9229.9	9329.9	9414.3	9439.2	9414.3	9329.9	9229.9	9108.6	8945.7	8771.6	8523.9
-65°	8263.1	8350.8	8432.5	8474.4	8432.5	8350.8	8263.1	8141.1	8006.8	7850.8	7618.4
-67.5°	7247.4	7328.7	7385.0	7407.3	7385.0	7328.7	7247.4	7145.8	7014.1	6850.9	6595.1
-70°	6790.9	6870.8	6836.2	6771.5	6836.2	6870.8	6790.9	6661.7	6483.7	6182.2	5741.7
-72.5°	5091.7	5032.6	5034.4	5042.2	5034.4	5032.6	5091.7	5263.4	5436.7	5342.3	4907.5
-75°	3912.1	3957.9	3989.7	3993.8	3989.7	3957.9	3912.1	3855.1	3852.6	3831.2	3678.6
-77.5°	3067.2	3097.4	3109.5	3118.6	3109.5	3097.4	3067.2	2998.8	2927.7	2835.6	2726.4
-80°	2308.9	2333.4	2336.4	2339.1	2336.4	2333.4	2308.9	2246.5	2197.4	2136.4	2059.6
-82.5°	1647.2	1662.9	1660.9	1661.0	1660.9	1662.9	1647.2	1614.7	1585.7	1547.2	1499.8
-85°	1145.9	1153.2	1157.7	1158.6	1157.7	1153.2	1145.9	1129.1	1105.7	1086.1	1054.4
-87.5°	694.7	705.5	710.4	710.9	710.4	705.5	694.7	688.1	663.5	648.4	622.4
-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°	152.6	150.0	142.3	140.6	129.3	116.5	106.4	99.3	95.8	92.2	88.5
85°	858.0	835.4	784.1	708.1	603.6	490.1	402.3	358.3	315.7	281.8	252.0
82.5°	2696.5	2562.5	2389.4	2143.1	1796.5	1465.4	1246.2	1092.8	955.8	778.6	618.4
80°	6122.5	6122.5	6010.1	5569.6	4787.3	3904.8	3115.0	2576.9	2290.6	1886.2	1426.8
77.5°	12472.7	13010.4	13229.5	12864.3	11966.7	10771.2	8924.0	6598.6	5197.4	4135.6	3102.9
75°	28150.7	29084.6	28979.6	27469.0	25414.6	23650.6	21717.2	18395.3	14336.1	10718.0	7537.6
72.5°	63766.8	61134.4	57675.7	52924.2	47472.1	42678.4	39345.0	36367.8	31174.6	24492.4	17638.4
70°	97430.5	92172.8	86982.2	79817.1	71820.4	64058.4	57470.4	52273.0	46743.8	40550.6	33765.4
67.5°	113102.4	106694.4	100221.7	93187.0	85124.9	78064.4	71764.9	64250.7	56860.2	49955.8	42069.0
65°	115914.5	110002.6	103207.4	96313.2	89129.4	82345.1	75932.7	69570.5	62966.3	55242.1	47421.4
62.5°	112524.7	107968.3	102375.3	97270.7	91305.1	84858.1	79115.6	72994.1	66783.2	60764.1	52289.1
60°	101683.4	99630.0	96425.8	92789.8	88619.8	84214.2	79493.3	73621.3	67561.5	61588.5	55007.2
57.5°	88195.9	88063.9	87085.3	85403.7	83033.9	80345.7	77425.6	72535.5	66641.2	60870.9	55405.5
55°	75701.6	76281.7	76978.8	77212.8	76539.9	75060.9	73644.1	70328.3	65671.9	59860.6	54496.5
52.5°	66764.0	67899.6	69005.3	69594.1	69717.0	69662.9	68646.3	67180.7	63485.0	58612.5	53348.2
50°	61240.8	62578.8	64107.7	65067.2	65992.5	65972.4	66023.2	64828.8	62546.0	57903.2	53058.2
47.5°	56616.2	58297.7	59829.9	61559.8	62667.0	63682.4	63938.6	63599.0	62008.4	58625.2	54124.9
45°	54442.8	56288.1	58035.1	60071.8	61625.7	62848.4	63544.9	63553.0	62680.5	60396.7	56184.1
42.5°	54942.6	56282.8	58572.0	60131.1	62275.5	63382.4	64224.4	64868.4	63969.9	62070.1	58589.9
40°	51930.8	53377.2	55371.8	57225.1	59200.1	61081.3	62220.1	63004.9	63078.7	61752.8	58769.9
37.5°	46636.3	48177.8	49880.5	51872.5	53838.5	55755.0	57366.5	58543.0	58991.2	58369.2	56641.2
35°	42549.6	43851.4	45360.2	47285.0	49205.1	51106.8	52833.1	54329.8	55259.6	55240.5	54155.3
32.5°	39327.0	40564.8	42061.9	43758.1	45655.1	47581.6	49349.9	50862.3	52075.2	52541.1	52138.2
30°	36662.9	37840.7	39300.0	40961.5	42744.7	44669.1	46468.0	48010.1	49394.8	50194.4	50153.3
27.5°	34301.6	35449.4	36822.6	38418.0	40141.3	41911.2	43715.5	45293.4	46748.1	47769.3	48081.8
25°	32271.7	33377.7	34651.4	36202.9	37794.8	39427.1	41117.7	42678.2	44152.8	45359.0	45924.6
22.5°	30541.2	31615.4	32804.2	34264.7	35756.1	37266.5	38866.5	40321.7	41759.5	42974.6	43703.6
20°	29175.8	30159.6	31255.2	32601.5	33999.6	35308.4	36838.5	38172.4	39566.2	40804.6	41678.7
17.5°	28069.6	29008.6	29938.3	31197.0	32417.6	33620.5	34998.7	36333.0	37598.9	38788.2	39753.7
15°	27206.1	28022.7	28869.1	29918.1	31033.0	32107.2	33381.3	34623.9	35773.7	36964.7	37927.4
12.5°	26397.9	27077.8	27834.3	28735.4	29738.2	30713.1	31884.9	33035.0	34101.8	35250.3	36187.7
10°	25526.2	26128.8	26834.2	27636.3	28501.7	29331.4	30413.2	31487.8	32470.0	33504.8	34423.7
7.5°	24640.3	25157.5	25725.9	26474.8	27273.6	28027.3	29001.4	29911.3	30756.8	31662.6	32459.6
5°	23844.8	24172.5	24571.7	25213.4	25879.2	26600.1	27449.5	28198.1	28889.5	29653.0	30290.4
2.5°	23179.3	23320.3	23514.9	23926.0	24394.7	24961.2	25631.9	26252.9	26795.2	27368.1	27829.8
0°	22690.1	22603.7	22574.6	22736.6	22954.1	23254.4	23666.7	24058.5	24379.4	24732.0	24977.3
-2.5°	22258.2	22021.5	21790.6	21734.4	21684.7	21706.3	21837.8	21926.3	21949.9	21986.6	21977.4
-5°	21841.3	21467.4	21091.5	20835.6	20521.4	20231.8	19999.5	19759.9	19473.8	19189.9	18908.0
-7.5°	21423.3	20901.7	20329.8	19798.9	19166.6	18544.7	17924.9	17310.6	16799.0	16350.6	15871.8
-10°	20786.0	20098.5	19312.0	18494.0	17561.9	16664.6	15858.7	15120.9	14614.9	14130.6	13604.0
-12.5°	19706.6	18881.6	17932.7	17009.5	16002.2	15167.6	14437.0	13825.7	13353.7	12962.0	12490.3
-15°	18368.9	17578.2	16772.8	15992.6	15138.5	14386.7	13750.1	13192.2	12758.9	12428.9	11974.0
-17.5°	17441.4	16877.4	16366.0	15814.8	15108.8	14457.8	13895.3	13299.2	12733.7	12361.4	11883.2
-20°	17728.6	17624.8	17626.8	17220.5	16378.7	15564.0	14819.5	14058.4	13310.2	12708.6	12039.7



REPORT NUMBER: P902121 (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°	19217.5	19404.8	19353.3	18662.7	17620.4	16591.6	15634.1	14694.8	13743.9	12970.5	12165.4
-25°	20238.1	20466.9	20284.4	19451.5	18393.3	17365.7	16374.1	15393.4	14332.1	13401.4	12420.6
-27.5°	21621.1	21777.6	21462.2	20507.6	19494.9	18453.6	17415.3	16334.7	15169.1	14124.2	12958.4
-30°	22735.6	22753.1	22276.8	21367.1	20401.6	19363.6	18298.9	17172.8	15941.8	14819.4	13509.6
-32.5°	22661.2	22579.0	22052.2	21402.3	20651.2	19776.0	18799.3	17694.9	16444.8	15269.3	13905.2
-35°	21755.1	21690.2	21301.9	20872.0	20293.2	19556.1	18765.0	17735.6	16691.4	15542.1	14184.0
-37.5°	21241.2	21117.7	20770.2	20404.7	19858.4	19165.2	18390.7	17544.2	16651.2	15556.2	14234.9
-40°	21143.4	20798.1	20517.5	20076.9	19559.0	18899.8	18089.3	17276.2	16418.4	15292.9	14109.2
-42.5°	20310.7	20008.8	19771.8	19434.7	18962.5	18394.7	17674.3	16913.7	15938.8	14801.4	13709.1
-45°	18874.6	18797.9	18750.1	18504.8	18173.5	17628.2	16940.8	16035.4	15068.9	14050.4	13068.8
-47.5°	17326.4	17355.4	17419.1	17355.0	17126.3	16629.5	15895.8	15015.7	14162.2	13242.1	12436.9
-50°	15858.9	15930.6	16090.6	16217.7	16132.1	15873.9	15207.2	14447.6	13638.8	12847.2	11890.9
-52.5°	14968.8	15159.4	15242.7	15521.3	15553.9	15261.1	14807.6	13977.7	13225.2	12255.7	11125.0
-55°	13042.7	13633.0	13691.2	13647.8	13779.3	13392.9	13017.5	12260.8	11464.5	10584.4	9457.1
-57.5°	10174.5	10335.6	10836.7	11024.1	10943.6	10911.9	10362.7	10010.3	9426.0	8528.2	7403.9
-60°	8949.7	8923.8	9060.4	9234.1	9401.9	9366.6	9120.7	8662.7	7973.5	6950.7	5844.4
-62.5°	8202.0	7932.1	7811.5	7850.5	7988.4	7979.2	7785.7	7209.9	6222.2	5243.5	4720.2
-65°	7312.4	7034.4	6813.1	6632.4	6538.1	6395.5	6083.0	5522.9	4918.8	4445.2	3989.7
-67.5°	6318.9	6059.6	5797.3	5550.2	5300.9	5031.1	4732.3	4379.8	4047.3	3705.6	3325.1
-70°	5283.5	4986.9	4760.1	4525.7	4261.2	3994.9	3745.7	3497.2	3252.5	2987.8	2658.1
-72.5°	4351.9	3970.0	3759.9	3569.2	3368.6	3159.5	2948.0	2746.2	2554.9	2334.2	2078.8
-75°	3401.1	3148.0	2985.0	2836.8	2667.6	2482.6	2300.3	2133.5	1986.2	1822.7	1651.8
-77.5°	2608.4	2471.2	2354.3	2240.3	2113.8	1965.5	1825.6	1693.9	1576.2	1442.1	1310.5
-80°	1971.5	1881.9	1808.8	1715.9	1623.8	1515.0	1412.1	1315.9	1220.4	1120.9	1018.0
-82.5°	1437.7	1370.4	1320.7	1260.1	1201.5	1117.7	1035.4	974.7	895.0	833.6	760.7
-85°	1004.9	973.5	941.1	910.1	855.8	801.1	731.0	666.7	609.2	569.1	527.0
-87.5°	601.8	578.4	545.0	510.6	488.8	451.2	409.7	380.6	344.8	311.8	278.1
-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°	84.5	77.5	73.4	69.2	64.8	60.3	55.7	51.0	46.2	42.8	37.6
85°	231.6	214.2	191.1	172.0	155.0	139.4	120.7	105.1	92.3	85.5	75.2
82.5°	514.8	446.8	379.1	320.3	271.2	246.0	211.5	186.4	163.4	142.3	118.9
80°	1024.5	794.4	656.0	558.3	481.5	414.5	344.4	282.8	236.6	206.2	174.7
77.5°	1998.3	1254.1	1034.9	873.4	740.2	616.5	515.4	440.5	364.0	287.6	229.7
75°	4013.5	2328.8	1644.0	1298.7	1045.4	904.6	761.3	617.3	504.1	410.2	313.2
72.5°	11643.2	6517.2	3136.3	1857.3	1498.5	1232.5	1025.4	845.2	678.4	529.8	411.9
70°	23392.8	13020.2	5551.3	2907.0	1972.2	1582.7	1323.5	1077.1	866.6	679.6	508.5
67.5°	32545.1	20627.8	9730.0	4284.5	2424.4	1948.0	1617.0	1324.5	1062.6	828.0	627.0
65°	39032.5	28173.8	15435.5	5730.6	3063.7	2318.2	1912.1	1567.3	1266.7	983.0	745.3
62.5°	44352.0	34565.6	21983.6	10271.3	4201.6	2757.1	2211.8	1814.4	1469.2	1152.6	859.1
60°	47339.9	38886.7	28500.1	15059.5	6039.6	3385.0	2549.5	2072.6	1691.7	1317.2	998.7
57.5°	48391.0	40856.9	31813.1	20524.1	9269.7	4110.0	2926.9	2368.0	1904.5	1496.6	1133.4
55°	48588.8	41507.2	33950.4	23999.7	12328.6	5534.9	3340.2	2655.0	2140.5	1673.6	1263.4
52.5°	48480.5	42268.4	34941.8	26958.7	16315.5	6982.8	3871.7	2984.4	2369.1	1842.9	1410.1
50°	48214.5	43291.4	36706.0	29013.2	19805.4	9889.5	4663.1	3282.9	2596.9	2035.5	1554.2
47.5°	49462.3	44603.0	38964.9	31483.4	22578.7	12712.0	5562.8	3667.0	2841.6	2218.7	1692.8
45°	51651.8	46935.6	41386.0	34061.4	25532.6	15642.7	7474.3	4017.3	3063.0	2393.7	1834.5
42.5°	54185.3	49269.2	43768.0	36523.3	28024.5	18781.4	8844.7	4440.3	3293.7	2572.0	1971.5
40°	54625.1	49996.4	44909.0	38459.4	30140.6	21255.0	11313.5	5286.2	3515.7	2733.9	2096.5
37.5°	53135.8	48956.7	44308.1	38565.3	31410.5	23262.5	13558.5	5781.9	3718.0	2879.1	2210.0
35°	51458.0	47677.0	43593.5	38597.4	32052.9	24928.5	15335.7	6539.1	3971.6	3021.0	2317.5
32.5°	50138.8	46821.9	43076.9	38643.9	32872.0	25955.2	16969.9	7959.3	4209.8	3160.5	2415.7
30°	48977.5	46039.9	42873.2	38976.6	33680.0	27147.8	18534.8	8788.0	4401.8	3281.6	2500.0
27.5°	47335.0	45103.3	42351.6	38994.6	34219.7	28080.2	19654.2	9168.9	4531.9	3382.5	2571.3
25°	45687.4	44007.2	41693.1	38823.9	34481.3	28500.3	20302.7	10225.3	4864.4	3469.5	2629.7
22.5°	43802.6	42715.8	40895.5	38574.1	34488.4	28810.7	20656.6	10838.2	5188.5	3565.8	2687.2
20°	41961.1	41424.4	39912.9	37744.1	34136.9	28760.8	20863.6	11203.1	5309.2	3643.6	2745.1
17.5°	40313.8	40109.7	38844.0	36808.3	33375.3	28212.0	20561.6	11108.0	5308.6	3703.3	2791.4
15°	38609.0	38595.1	37566.6	35713.7	32339.0	27169.0	19836.6	10818.3	5277.5	3737.6	2827.4
12.5°	36872.0	36952.8	35975.0	34171.6	30946.9	25929.8	18905.2	10515.1	5156.9	3756.4	2851.5
10°	35001.9	35087.4	34136.2	32269.5	29185.7	24357.5	17752.9	10027.4	5206.2	3763.5	2862.1
7.5°	32930.9	33000.1	31965.1	30101.2	27089.3	22530.3	16368.5	9470.5	5182.8	3754.2	2862.8
5°	30642.1	30647.5	29533.4	27582.8	24631.1	20435.8	14751.0	8720.8	5094.0	3736.3	2865.4
2.5°	28074.0	27959.3	26778.2	24772.3	21871.6	17989.3	13013.4	8098.2	5009.9	3704.9	2856.4
0°	25072.4	24819.9	23624.9	21632.5	18862.0	15327.0	11114.3	7345.9	4873.0	3658.8	2836.5
-2.5°	21825.3	21361.8	20112.4	18256.3	15799.2	12938.5	9801.7	6926.2	4778.7	3619.1	2816.6
-5°	18539.8	17928.0	16765.6	15174.2	13082.9	10790.3	8515.5	6477.8	4654.8	3566.9	2787.0
-7.5°	15509.7	14930.1	13903.7	12503.7	10899.6	9419.2	7864.0	6193.9	4546.1	3508.3	2748.6
-10°	13300.3	12729.0	11801.0	10924.3	9715.3	8506.5	7279.7	5935.5	4446.7	3454.3	2710.5
-12.5°	12082.7	11456.8	10800.2	9970.9	8914.2	8007.6	7004.2	5737.2	4347.8	3389.3	2665.4
-15°	11540.3	10928.5	10247.8	9414.4	8561.4	7770.1	6749.4	5554.5	4277.9	3317.3	2611.5
-17.5°	11351.8	10715.2	9969.8	9212.3	8354.1	7641.5	6578.5	5358.0	4178.6	3238.2	2546.8
-20°	11350.0	10576.9	9802.0	9001.9	8223.7	7484.9	6354.2	5139.9	4030.1	3147.3	2470.1



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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°	11292.8	10431.4	9603.4	8753.8	8036.9	7192.7	6074.7	4903.3	3853.2	3040.7	2382.8
-25°	11440.6	10440.4	9498.2	8688.5	7869.0	6967.7	5784.8	4640.1	3665.8	2916.4	2292.3
-27.5°	11797.0	10665.9	9634.6	8711.6	7898.4	6732.7	5524.1	4338.3	3487.2	2792.7	2204.3
-30°	12235.8	10965.9	9859.4	8856.6	7880.0	6560.9	5225.3	4126.7	3332.7	2671.0	2112.0
-32.5°	12555.4	11232.0	10049.4	8992.2	7819.3	6282.7	4935.7	3920.9	3170.9	2550.7	2015.7
-35°	12798.2	11428.7	10241.4	9147.1	7777.1	6042.0	4626.2	3695.2	3015.4	2421.9	1916.9
-37.5°	12910.6	11588.1	10412.0	9155.2	7620.1	5788.3	4361.5	3510.2	2862.1	2294.0	1816.2
-40°	12888.1	11645.7	10485.2	9108.8	7458.0	5487.7	4153.8	3322.5	2707.5	2176.5	1713.3
-42.5°	12636.8	11546.7	10261.4	8786.0	7080.1	5195.0	3871.9	3109.6	2541.8	2051.0	1605.5
-45°	12116.6	11019.8	9757.1	8306.3	6609.1	4842.2	3624.5	2910.0	2374.9	1917.4	1493.2
-47.5°	11449.3	10350.8	9150.8	7742.9	6150.8	4471.2	3358.9	2696.0	2214.3	1781.4	1384.4
-50°	10796.8	9731.3	8434.7	7109.9	5624.3	4112.7	3091.5	2473.3	2044.6	1635.8	1278.3
-52.5°	9943.4	8611.4	7459.0	6320.5	4980.3	3648.5	2782.6	2265.4	1865.0	1482.0	1166.6
-55°	8162.5	7083.9	6168.2	5287.0	4183.3	3163.6	2488.7	2038.6	1680.7	1346.2	1051.5
-57.5°	6376.1	5566.6	4827.1	4042.3	3371.1	2667.6	2195.1	1825.0	1495.3	1204.6	947.2
-60°	5059.2	4359.5	3675.2	3215.9	2689.0	2285.2	1920.2	1603.8	1324.3	1061.9	839.5
-62.5°	4113.3	3527.5	3035.1	2615.6	2261.2	1943.5	1656.3	1404.0	1147.2	934.1	729.5
-65°	3491.6	2980.1	2562.1	2193.4	1910.3	1638.7	1423.4	1206.5	997.3	804.3	648.3
-67.5°	2897.6	2476.6	2142.9	1852.9	1597.6	1396.3	1205.6	1027.7	850.3	691.3	563.7
-70°	2330.1	2022.5	1752.6	1540.7	1340.4	1165.2	1012.6	855.0	716.1	587.4	478.5
-72.5°	1837.2	1639.0	1448.0	1260.6	1106.2	963.2	824.0	711.4	595.1	484.0	407.4
-75°	1477.5	1328.4	1179.9	1033.0	891.9	784.0	685.0	581.6	485.9	407.4	336.7
-77.5°	1178.8	1058.3	943.6	831.3	727.2	630.9	550.4	474.2	401.4	330.0	273.2
-80°	921.4	831.9	739.9	649.0	572.7	497.7	434.4	373.2	317.2	261.2	221.2
-82.5°	692.6	628.8	551.9	486.8	429.0	371.3	321.0	276.9	237.1	195.1	168.5
-85°	474.2	431.3	375.8	331.6	297.1	258.9	211.1	181.0	156.2	129.1	113.3
-87.5°	248.8	223.6	197.9	170.9	153.9	134.0	105.0	90.3	78.3	64.6	56.8
-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):**

	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°	32.4	27.1	21.7	16.3	10.9	5.5	0.0
85°	64.7	54.1	43.4	32.6	21.8	10.9	0.0
82.5°	96.9	81.0	65.0	48.9	32.6	16.3	0.0
80°	140.8	110.3	86.5	65.0	43.4	21.7	0.0
77.5°	185.4	145.6	110.3	81.0	54.1	27.1	0.0
75°	229.2	180.6	138.2	96.9	64.7	32.4	0.0
72.5°	300.3	215.2	165.8	116.0	75.2	37.6	0.0
70°	378.8	262.0	192.9	135.5	85.5	42.8	0.0
67.5°	454.7	321.1	219.4	154.5	95.7	47.9	0.0
65°	539.1	378.0	253.7	172.9	106.5	52.9	0.0
62.5°	633.5	432.5	294.4	190.6	117.7	57.8	0.0
60°	724.9	495.3	333.5	207.7	128.6	62.5	0.0
57.5°	812.9	569.0	371.0	224.8	139.3	67.2	0.0
55°	923.4	640.1	406.7	250.9	149.7	71.8	0.0
52.5°	1031.7	708.5	444.4	276.2	159.8	76.2	0.0
50°	1136.1	773.4	495.5	300.6	169.6	80.4	0.0
47.5°	1238.8	854.2	544.1	324.0	179.0	84.5	0.0
45°	1349.0	929.7	589.9	346.4	188.0	88.5	0.0
42.5°	1450.7	999.6	632.5	367.7	196.7	92.2	0.0
40°	1541.9	1063.7	671.7	387.5	204.9	95.8	0.0
37.5°	1623.0	1122.1	707.5	405.5	212.8	99.3	0.0
35°	1704.7	1181.8	747.9	428.2	223.3	102.8	0.0
32.5°	1782.8	1239.3	788.1	451.6	234.0	106.3	0.0
30°	1852.1	1290.4	824.4	473.2	243.8	109.6	0.0
27.5°	1911.2	1335.2	858.6	492.9	253.0	112.6	0.0
25°	1960.4	1373.6	889.0	510.8	261.3	115.3	0.0
22.5°	2000.1	1406.0	915.2	526.6	268.8	117.9	0.0
20°	2032.6	1433.1	937.4	540.6	275.4	120.1	0.0
17.5°	2064.2	1453.8	955.6	552.4	281.2	122.1	0.0
15°	2089.9	1470.8	969.8	561.9	286.2	123.9	0.0
12.5°	2107.3	1484.4	979.6	569.1	290.3	125.4	0.0
10°	2116.4	1498.2	985.5	574.1	293.6	126.6	0.0
7.5°	2129.2	1511.3	987.8	577.0	296.1	127.5	0.0
5°	2137.6	1518.7	986.5	577.8	297.7	128.2	0.0
2.5°	2138.1	1520.4	981.9	576.5	298.5	128.6	0.0
0°	2130.7	1516.3	973.9	573.4	298.6	128.8	0.0
-2.5°	2123.8	1513.3	973.2	572.5	298.2	128.8	0.0
-5°	2109.4	1504.5	969.3	569.7	297.0	128.6	0.0
-7.5°	2088.0	1490.1	962.1	565.2	295.0	128.1	0.0
-10°	2059.4	1470.2	951.6	558.8	292.2	127.3	0.0
-12.5°	2023.0	1443.8	937.7	550.6	288.6	126.3	0.0
-15°	1978.9	1410.9	920.4	540.7	284.2	125.0	0.0
-17.5°	1927.1	1375.2	899.4	528.9	279.1	123.5	0.0
-20°	1867.8	1336.7	875.4	515.6	273.2	121.7	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1807.2	1294.1	848.2	501.2	266.6	119.6	0.0
-25°	1743.3	1248.5	818.2	485.1	259.2	117.4	0.0
-27.5°	1674.1	1199.8	785.2	467.6	251.1	114.8	0.0
-30°	1601.1	1147.7	749.7	448.5	242.4	112.1	0.0
-32.5°	1527.1	1092.4	714.2	428.0	233.7	109.1	0.0
-35°	1447.6	1034.2	676.2	406.1	224.3	105.9	0.0
-37.5°	1368.2	977.8	639.4	385.2	215.3	102.6	0.0
-40°	1294.4	926.3	608.4	369.1	208.6	99.2	0.0
-42.5°	1217.8	871.0	575.3	352.4	201.5	95.7	0.0
-45°	1136.8	812.1	540.2	335.0	194.0	91.9	0.0
-47.5°	1051.2	749.7	503.2	316.5	186.2	87.9	0.0
-50°	970.7	684.1	465.2	296.8	177.9	83.8	0.0
-52.5°	889.5	635.9	426.3	276.1	169.4	79.5	0.0
-55°	806.2	586.1	395.4	254.3	160.5	75.0	0.0
-57.5°	719.1	534.0	365.0	231.5	151.3	70.3	0.0
-60°	651.1	479.7	332.9	216.5	141.8	65.5	0.0
-62.5°	582.3	429.0	299.3	202.0	132.0	60.6	0.0
-65°	512.9	380.9	264.2	187.1	121.9	55.5	0.0
-67.5°	447.5	330.9	234.9	171.9	111.2	50.3	0.0
-70°	385.1	279.2	212.7	156.4	99.7	45.0	0.0
-72.5°	321.6	237.7	189.7	140.7	88.0	39.6	0.0
-75°	263.2	206.4	165.9	124.0	75.9	34.1	0.0
-77.5°	222.2	174.5	141.6	104.0	63.6	28.5	0.0
-80°	180.1	142.3	114.6	83.6	51.1	22.9	0.0
-82.5°	137.0	107.6	86.2	62.9	38.5	17.2	0.0
-85°	91.6	71.8	57.6	42.1	25.7	11.5	0.0
-87.5°	45.9	35.9	28.8	21.1	12.9	5.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)