

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: P902056 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-A35-MNB-LT**

Issue Date: 11/13/2024

**Test Information**

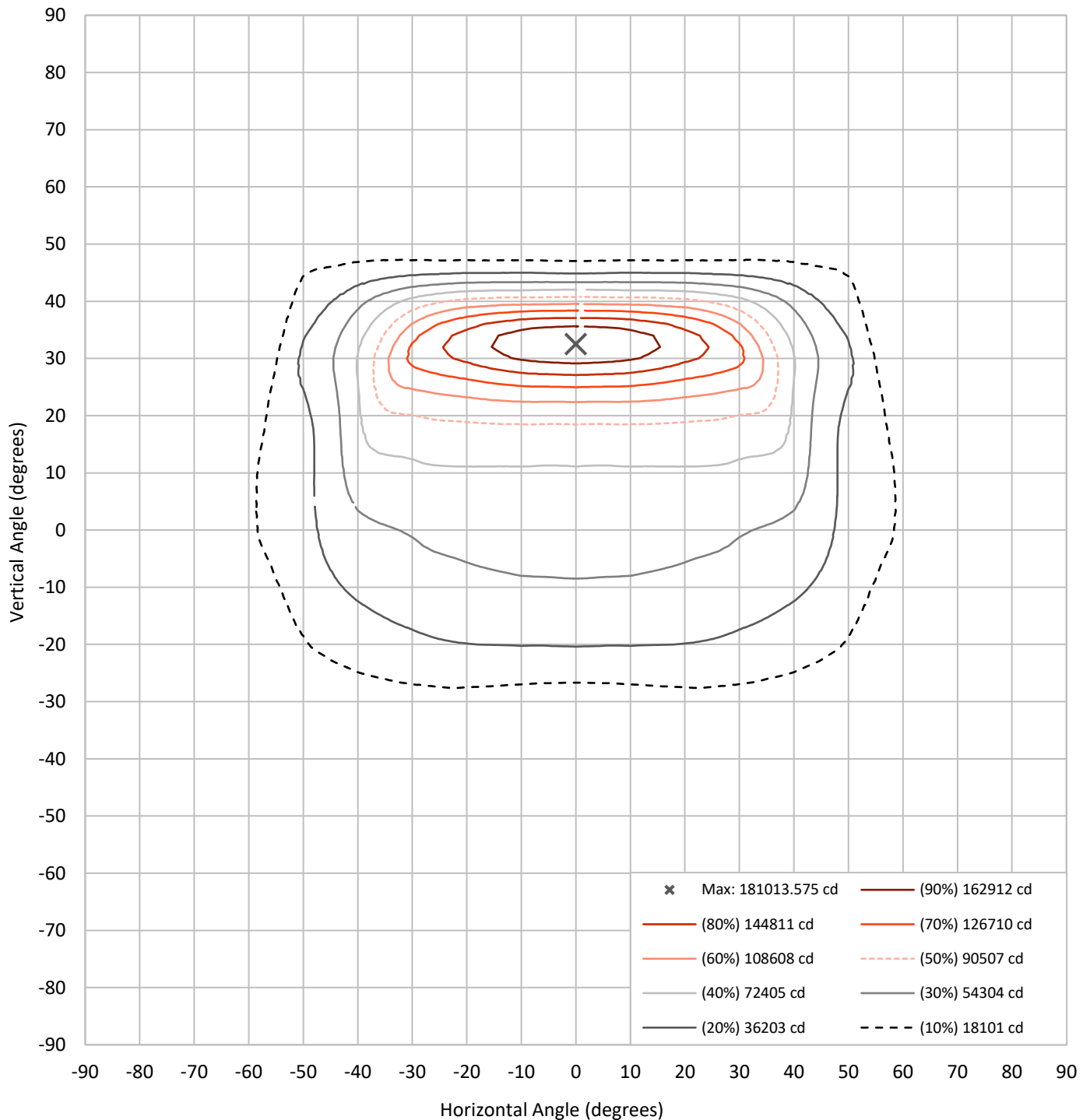
Test Method: LM-79-08  
Report Number: P902056 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( LVM2I44200)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/13/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-AV-03-1360S-57-85-A35-MNB-LT  
Description: ARENAVISION LUMINAIRE  
5700K, 85 CRI LEDS AND A35-MNB-LT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	148190.1 lumens	Max Intensity:	181013.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 32.5°V
Efficacy:	104.9 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	72.3°H x 22.3°V	Field Angle (10%):	108.3°H x 73.5°V
Beam Lumens:	54460.9 lumens	Field Lumens:	136290.2 lumens
Beam Efficiency:	36.8%	Field Efficiency:	92.0%
Input Watts (W):	1413		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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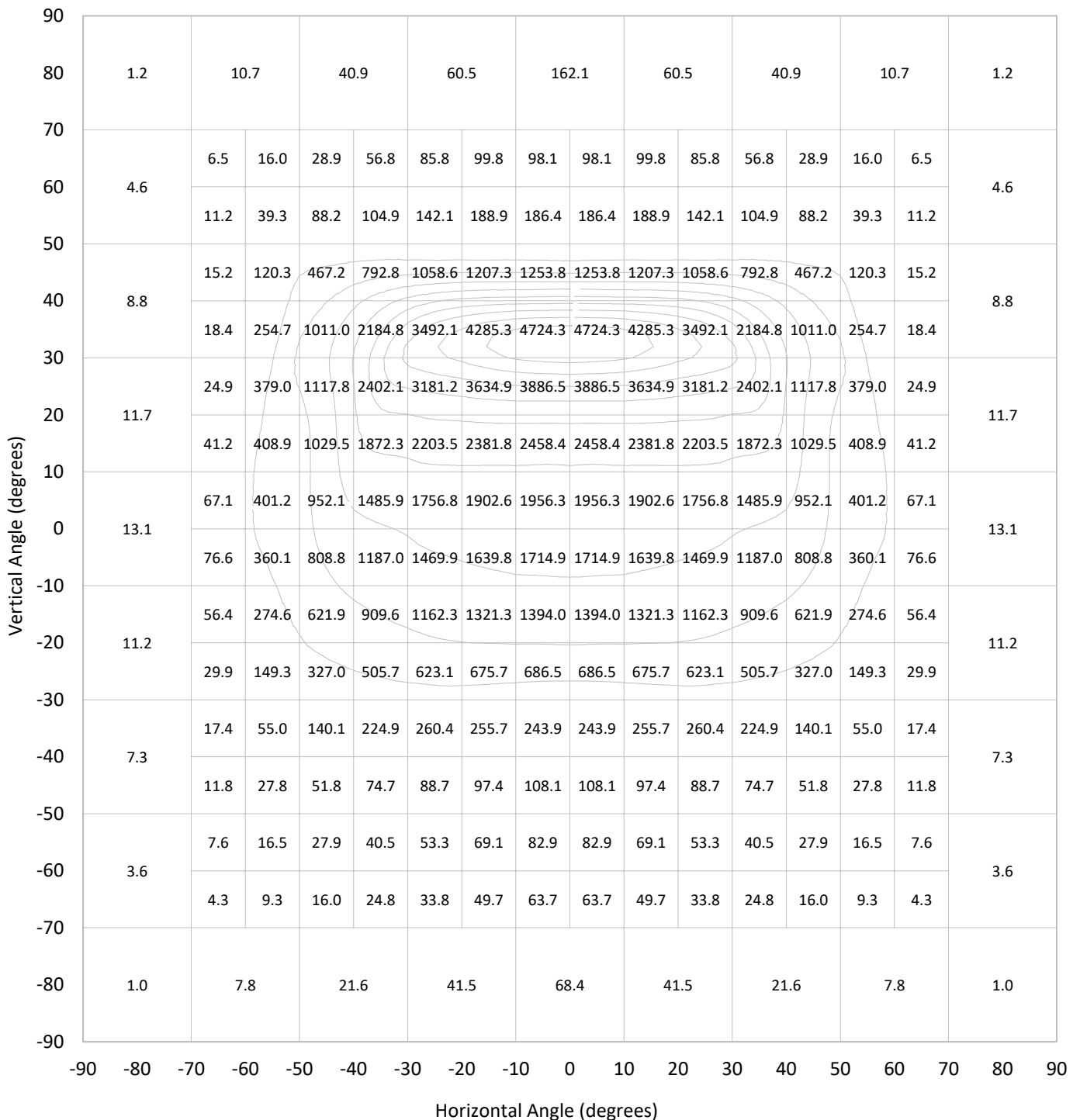
### Iso-Candela Plot





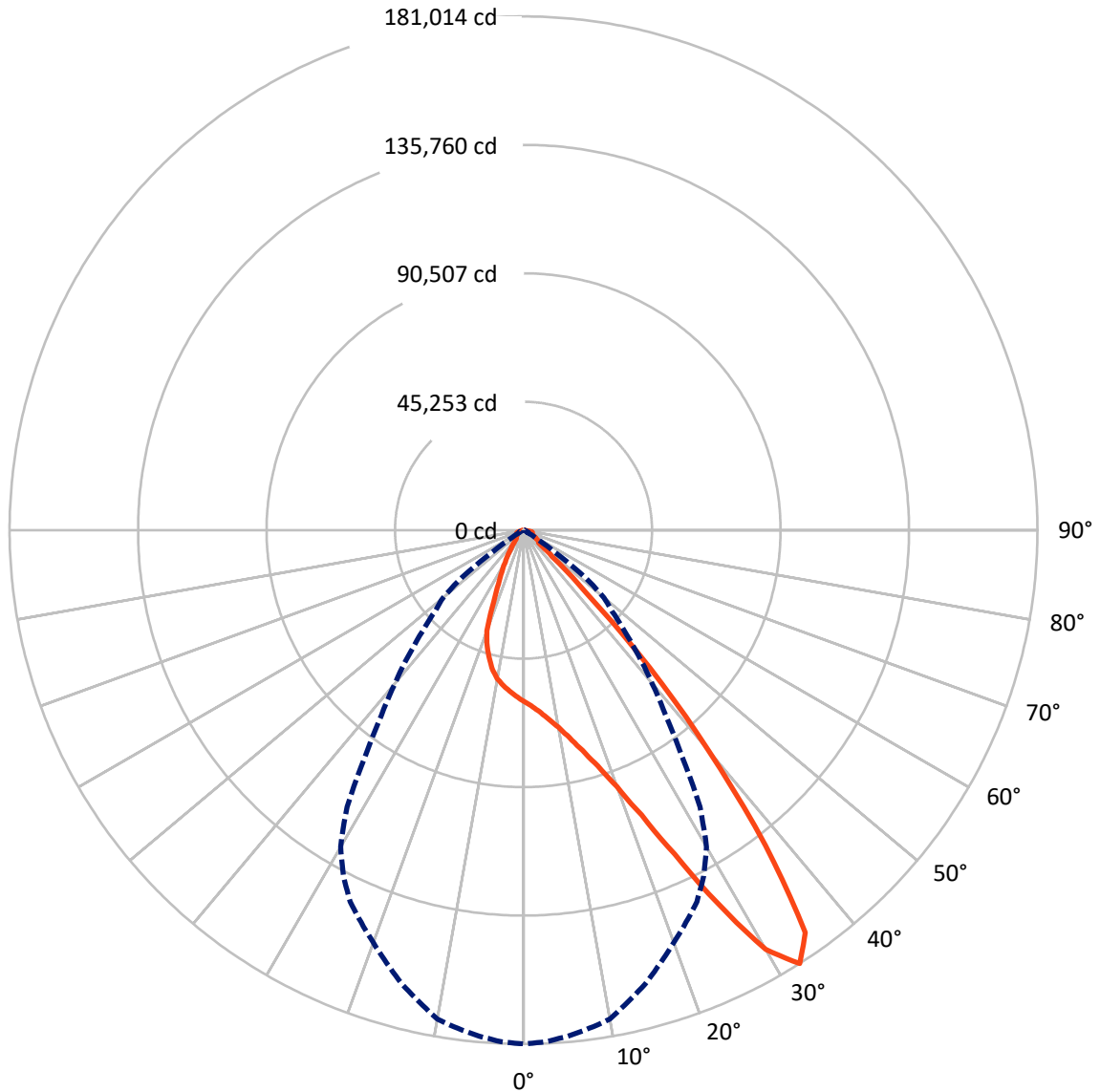
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### Lumen Table



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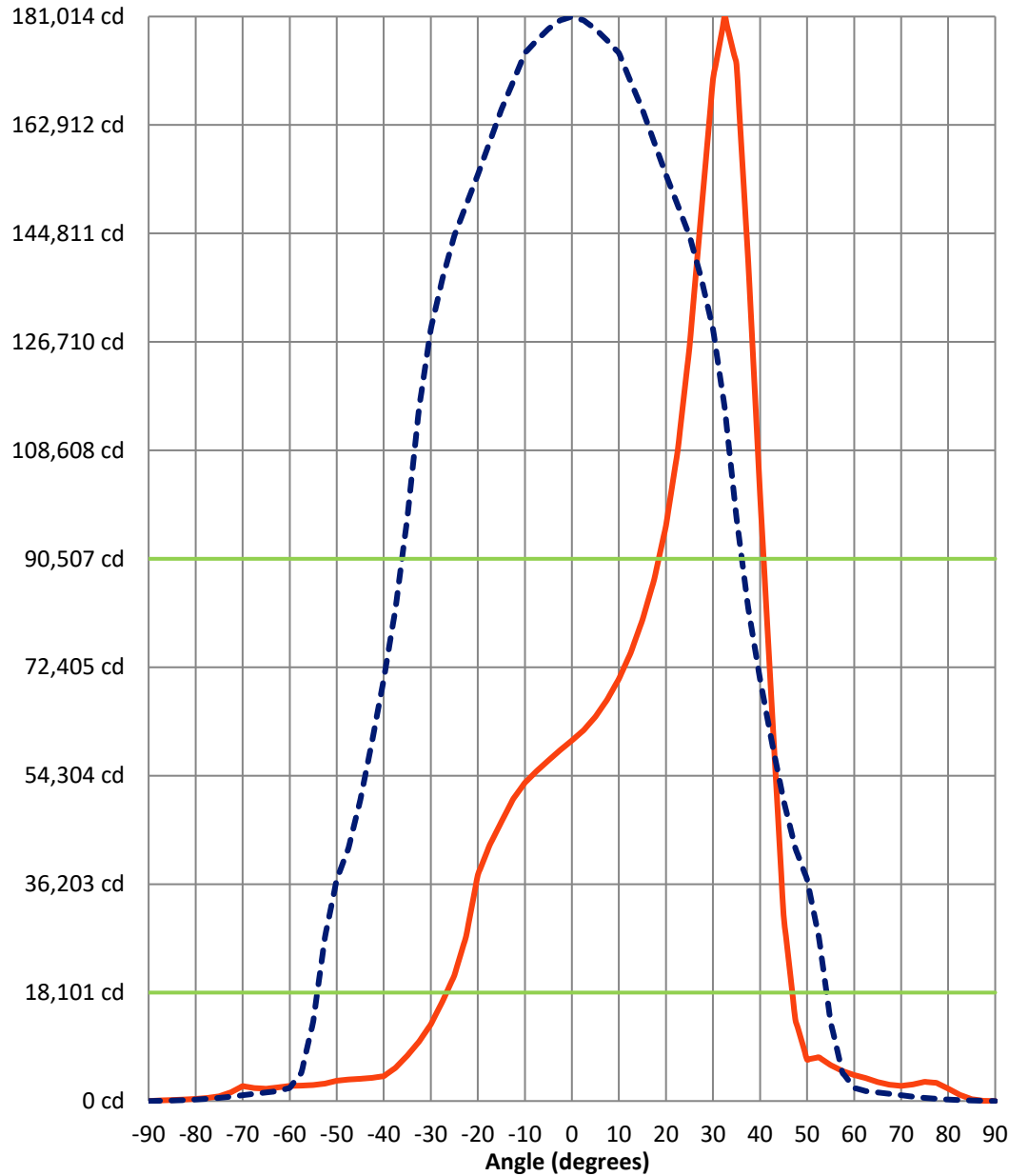
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg    - - - Horizontal Distribution Through 32.5-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 72.3°  
 V Angle: 22.3°  
 Lumens: 54460.9  
 Efficiency: 36.8%

**Field:**  
 H Angle: 108.3°  
 V Angle: 73.5°  
 Lumens: 136290.2  
 Efficiency: 92.0%

**Spill:**  
 Lumens: 11899.9  
 Efficiency: 8.0%

— Vertical Distribution through 0-Deg  
 - - - Horizontal Distribution through 32.5-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	2.6	5.1	7.6	10.4	12.9	13.6	13.7	15.6	17.4	19.2
85°	0.0	5.1	10.3	15.2	20.7	25.8	27.2	27.4	31.1	34.8	39.5
82.5°	0.0	7.7	15.4	22.8	31.0	38.7	40.8	44.0	52.7	60.8	69.0
80°	0.0	10.2	20.5	30.3	41.2	51.2	57.6	66.0	77.5	87.7	102.4
77.5°	0.0	12.8	25.5	37.8	51.2	63.0	74.4	87.7	105.6	128.0	151.8
75°	0.0	15.3	30.5	45.2	60.7	74.7	90.7	114.9	141.8	171.0	206.1
72.5°	0.0	17.7	35.4	51.7	70.0	86.4	112.3	144.7	177.5	223.2	273.8
70°	0.0	20.2	40.3	58.0	79.0	101.1	135.2	173.7	222.8	278.8	342.8
67.5°	0.0	22.6	45.1	64.0	87.8	118.9	157.4	210.0	268.4	336.5	415.8
65°	0.0	24.9	49.2	69.9	98.4	136.1	182.8	246.2	317.4	397.5	493.4
62.5°	0.0	27.2	52.7	75.5	110.7	152.7	212.0	280.9	372.2	460.6	585.4
60°	0.0	29.5	56.1	80.9	122.6	171.4	240.3	322.8	425.8	537.8	673.0
57.5°	0.0	31.7	59.5	86.3	134.1	192.3	267.6	362.6	481.3	610.7	763.3
55°	0.0	33.8	62.8	94.4	145.1	211.9	297.4	399.9	536.0	686.6	852.5
52.5°	0.0	35.9	66.0	102.1	156.6	230.2	324.6	442.3	588.4	758.7	938.3
50°	0.0	37.9	69.1	109.5	171.1	248.3	349.7	481.4	647.2	825.4	1016.8
47.5°	0.0	39.9	72.1	116.4	185.0	269.2	373.7	516.2	702.7	889.6	1085.6
45°	0.0	41.7	75.0	123.0	198.1	289.4	402.4	553.7	753.2	950.2	1149.7
42.5°	0.0	43.5	77.8	129.2	210.4	308.9	429.7	597.4	803.6	1006.5	1209.4
40°	0.0	45.2	80.4	135.4	222.0	327.6	456.5	636.2	852.3	1059.2	1264.8
37.5°	0.0	46.8	83.0	141.4	232.8	345.5	481.7	669.5	899.3	1113.0	1316.1
35°	0.0	48.1	86.4	148.8	243.8	362.3	506.3	701.0	938.6	1163.8	1368.8
32.5°	0.0	49.2	89.9	156.3	254.0	377.1	528.2	730.1	977.1	1210.3	1436.6
30°	0.0	50.2	93.3	163.3	263.0	390.6	545.7	753.7	1014.6	1255.2	1502.9
27.5°	0.0	51.2	96.3	169.5	271.7	402.7	562.4	772.2	1045.4	1301.4	1567.2
25°	0.0	52.1	99.1	175.1	279.7	413.2	578.2	785.6	1069.2	1351.7	1616.3
22.5°	0.0	52.9	101.6	180.1	286.8	423.3	592.4	810.5	1094.0	1392.1	1662.5
20°	0.0	53.6	103.9	184.4	293.0	434.3	606.4	837.7	1123.9	1425.7	1701.1
17.5°	0.0	54.2	105.9	188.6	298.3	443.8	623.2	861.1	1155.3	1456.4	1740.1
15°	0.0	54.8	107.6	192.4	302.6	452.6	638.6	883.0	1181.3	1488.6	1852.1
12.5°	0.0	55.3	109.1	195.6	307.2	460.5	651.5	904.2	1213.3	1517.6	2098.3
10°	0.0	55.7	110.4	198.2	311.3	466.9	661.8	922.1	1250.9	1589.6	2389.7
7.5°	0.0	56.0	111.3	200.3	314.5	471.7	667.0	935.0	1285.5	1675.5	2760.1
5°	0.0	56.2	112.0	201.8	316.8	474.7	668.5	936.8	1318.2	1766.5	3125.2
2.5°	0.0	56.3	112.4	202.7	318.1	475.8	667.1	934.5	1347.3	1857.5	3461.8
0°	0.0	56.4	112.6	203.0	318.6	475.3	663.0	928.1	1370.7	1936.3	3754.3
-2.5°	0.0	56.3	112.4	202.4	317.5	471.4	658.3	924.8	1379.4	1968.7	3814.1
-5°	0.0	56.2	112.0	201.3	315.5	466.0	651.1	917.2	1379.6	1986.3	3797.9
-7.5°	0.0	56.0	111.3	199.6	312.6	459.0	641.4	905.3	1368.9	1980.2	3603.8
-10°	0.0	55.7	110.3	197.4	308.8	450.5	629.9	890.5	1343.6	1958.9	3321.3
-12.5°	0.0	55.3	109.1	194.5	304.1	441.1	618.9	872.0	1309.3	1932.9	2954.8
-15°	0.0	54.8	107.6	191.2	298.4	431.0	605.3	849.7	1264.6	1882.6	2543.3
-17.5°	0.0	54.2	105.8	187.3	291.0	420.0	589.1	823.2	1210.1	1815.4	2330.3
-20°	0.0	53.6	103.8	182.5	282.6	408.5	569.5	792.2	1148.2	1701.8	2192.5



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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	52.9	101.6	176.4	273.1	395.7	549.0	756.7	1073.1	1559.3	2051.1
-25°	0.0	52.1	99.1	170.0	262.5	380.9	528.0	723.1	991.3	1411.1	1896.7
-27.5°	0.0	51.2	96.3	163.2	250.8	364.3	504.9	691.8	934.6	1291.4	1742.4
-30°	0.0	50.2	93.3	156.2	238.0	346.2	480.6	658.2	882.9	1199.7	1581.4
-32.5°	0.0	49.2	90.1	148.9	225.0	326.6	456.5	622.4	831.7	1107.6	1431.4
-35°	0.0	48.1	86.7	141.4	211.6	305.7	430.5	585.0	777.7	1012.5	1289.3
-37.5°	0.0	46.8	83.5	134.3	198.9	285.8	404.2	548.9	726.7	933.8	1176.3
-40°	0.0	45.2	81.0	128.5	188.4	269.5	378.5	514.7	678.5	866.3	1080.8
-42.5°	0.0	43.5	78.3	122.5	177.5	252.7	351.9	478.3	628.3	798.9	992.8
-45°	0.0	41.7	75.6	116.3	166.2	235.5	325.2	439.7	576.1	732.9	905.9
-47.5°	0.0	39.9	72.7	110.0	154.4	217.9	297.9	403.9	530.2	669.7	817.4
-50°	0.0	37.9	69.7	103.4	143.3	200.0	276.0	370.5	481.2	602.5	730.1
-52.5°	0.0	35.9	66.5	96.7	132.2	186.6	253.5	335.0	430.8	539.3	649.2
-55°	0.0	33.8	63.3	89.9	123.8	172.7	229.4	298.7	390.9	479.6	567.5
-57.5°	0.0	31.7	59.9	82.9	115.6	158.2	204.3	270.0	352.0	421.5	502.4
-60°	0.0	29.5	56.5	77.6	107.1	143.2	186.3	241.7	314.1	373.6	438.8
-62.5°	0.0	27.2	53.0	72.5	98.3	129.6	167.5	211.8	273.2	324.6	382.0
-65°	0.0	24.9	49.3	67.4	89.2	117.1	147.9	187.6	231.8	278.6	325.8
-67.5°	0.0	22.6	45.2	62.2	81.0	104.1	129.7	162.4	197.0	233.5	274.9
-70°	0.0	20.2	40.4	57.1	73.7	90.7	113.0	137.2	166.6	194.8	225.4
-72.5°	0.0	17.7	35.5	51.9	66.1	78.2	95.8	116.6	137.0	161.5	185.0
-75°	0.0	15.3	30.6	46.2	58.3	66.5	79.2	95.7	113.3	130.4	149.0
-77.5°	0.0	12.8	25.6	38.7	50.2	54.6	65.2	76.3	89.5	103.9	119.0
-80°	0.0	10.2	20.5	31.0	40.8	42.5	51.1	60.1	69.4	78.4	91.2
-82.5°	0.0	7.7	15.4	23.3	30.7	31.4	37.2	43.9	50.7	57.5	67.9
-85°	0.0	5.1	10.3	15.6	20.5	20.8	24.8	28.8	32.8	36.7	45.7
-87.5°	0.0	2.6	5.2	7.8	10.2	10.4	12.4	14.4	16.4	18.4	23.0
-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):**

	-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°	21.0	22.7	24.6	26.2	27.8	27.0	28.5	28.3	27.9	29.4	30.4
85°	45.3	51.0	56.3	61.5	66.5	66.2	69.8	72.0	74.2	75.3	79.2
82.5°	78.5	87.6	95.1	106.5	117.7	122.5	130.7	142.0	154.1	157.4	164.4
80°	121.0	137.5	151.6	166.6	182.5	198.6	214.4	240.5	271.6	285.8	301.3
77.5°	172.3	194.2	218.3	243.8	268.7	294.4	323.2	366.6	428.2	484.9	545.6
75°	239.1	266.6	294.4	336.7	377.1	421.4	459.3	520.7	632.3	746.3	865.6
72.5°	311.5	352.2	397.8	447.8	501.9	558.8	611.6	699.9	857.4	1030.2	1206.7
70°	398.9	448.5	503.9	570.5	636.5	715.4	799.1	904.1	1063.0	1276.3	1516.9
67.5°	486.8	549.9	610.6	702.7	787.6	888.0	985.8	1088.1	1227.9	1448.8	1758.5
65°	585.9	660.0	753.8	845.9	982.8	1086.3	1175.6	1266.5	1382.2	1571.1	1871.1
62.5°	689.8	803.1	926.2	1085.1	1239.0	1361.3	1417.4	1495.8	1587.4	1747.9	1930.9
60°	801.9	944.6	1128.0	1368.2	1589.7	1777.8	1848.5	1894.7	1987.8	2083.3	2164.5
57.5°	909.4	1080.3	1328.2	1679.4	2046.9	2347.2	2476.1	2529.4	2601.3	2655.1	2702.1
55°	1012.0	1203.0	1492.3	1980.7	2575.3	3080.6	3505.7	3483.0	3572.1	3532.6	3573.7
52.5°	1107.7	1313.7	1656.0	2275.0	3220.4	4937.3	5423.7	5311.1	5212.9	5059.6	5068.1
50°	1199.9	1433.8	1808.0	2609.2	5266.0	8062.8	8782.0	8533.7	8204.2	8238.8	8240.8
47.5°	1283.9	1537.3	1970.9	3510.9	7588.1	12046.7	13852.4	13980.9	14189.8	15115.3	15411.6
45°	1360.5	1633.8	2193.7	4237.8	10226.4	16947.0	19828.8	20731.7	22972.9	25651.7	27624.4
42.5°	1425.5	1722.7	2422.4	5581.0	13203.3	21759.2	25573.4	28064.0	32435.5	37547.0	42324.7
40°	1497.7	1778.4	2635.9	6520.9	15822.3	25937.0	30773.7	35029.9	41689.1	49257.3	56603.8
37.5°	1561.0	1788.7	3183.5	8418.0	19391.9	30026.6	35176.3	40813.1	49244.0	57965.0	67204.2
35°	1618.7	1892.9	3477.1	9751.8	23391.4	34217.1	38938.9	46276.9	55416.8	65100.1	75717.9
32.5°	1657.9	2202.4	4801.1	13285.2	27371.3	36975.9	42237.2	50227.2	59972.8	70419.9	82231.9
30°	1706.7	2473.6	5631.7	16207.6	31191.1	38725.7	43984.2	52122.2	62000.3	73179.0	86490.7
27.5°	1823.7	3005.0	7691.6	19279.4	32347.6	38352.0	43592.5	51861.2	61916.7	73421.5	88082.8
25°	2053.5	3840.0	9937.7	22384.4	32605.1	36472.0	41818.8	49910.8	60229.0	71525.8	87424.0
22.5°	2274.7	4575.7	12123.4	24874.6	32374.2	34601.4	40054.2	48409.8	58622.2	70793.3	84872.1
20°	2488.8	5393.8	14487.3	25717.5	30668.2	33147.0	38635.9	47326.6	57565.7	69760.5	82299.8
17.5°	2893.4	7194.4	16968.4	26198.8	28987.7	31643.1	37650.6	46741.9	57033.5	68502.2	77935.3
15°	3559.2	8956.6	18976.7	26261.7	27296.7	30726.9	37559.2	46504.9	56419.2	67278.7	74251.5
12.5°	4339.2	10542.6	20537.4	25753.3	26297.8	30319.8	37589.6	46224.9	55653.1	65039.2	69765.6
10°	5119.1	12008.6	21559.4	24506.4	25616.9	30298.0	37677.7	45786.8	54666.4	62273.6	65887.0
7.5°	6049.7	13285.2	21532.2	23466.5	25283.0	30439.4	37704.2	45176.5	53241.4	59379.0	62238.2
5°	6957.9	14362.3	21080.6	22629.3	25061.2	30579.4	37408.4	44165.0	51350.8	56306.3	58650.0
2.5°	7788.1	15077.7	20382.2	21829.3	24857.0	30585.4	36800.9	42873.5	49100.3	53185.8	55258.2
0°	8513.6	15526.5	19522.7	20992.9	24568.7	30452.1	35998.6	41336.6	46610.3	49972.9	52000.3
-2.5°	8765.7	15358.1	18534.5	20089.2	24074.0	30128.8	35033.1	39623.8	44055.1	46936.5	48879.0
-5°	8843.5	14975.8	17564.9	19114.3	23234.0	29411.9	33851.8	37738.9	41475.5	44068.5	46005.4
-7.5°	8451.7	14275.0	16629.5	18058.4	22053.8	28238.0	32537.0	35767.1	38958.2	41354.5	43323.4
-10°	7888.8	13350.5	15725.9	16948.6	20568.7	26598.8	31032.3	33792.4	36529.4	38738.2	40613.1
-12.5°	7002.1	12213.5	14777.8	15806.7	18835.3	24484.3	29221.0	31811.0	34097.2	36202.5	37929.7
-15°	6030.1	10907.3	13851.5	14929.1	17033.1	21820.1	27002.2	29654.5	31607.4	33429.1	34984.7
-17.5°	4923.9	9475.0	12742.6	14265.4	15750.6	19201.7	24322.4	27415.0	29163.7	30862.0	32258.7
-20°	4072.2	7625.0	11290.9	12954.4	14208.1	16402.8	20357.4	23595.3	25831.0	27340.9	28578.9



REPORT NUMBER: P902056 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MNB-LT

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	3296.7	5886.9	8924.5	11012.3	12049.6	13266.8	15546.7	18459.2	20420.6	21846.0	22967.2
-25°	2633.8	4389.2	6478.3	8636.6	9965.0	10868.8	12190.6	14148.0	16120.2	17656.4	18569.0
-27.5°	2152.1	3206.6	4711.5	6456.2	8125.8	9353.7	10386.4	11681.2	13190.1	14608.7	15698.2
-30°	1929.3	2580.7	3414.5	4715.3	6264.6	7776.7	8874.8	9902.6	10984.4	12102.9	13089.5
-32.5°	1759.2	2199.2	2760.2	3531.1	4563.7	5856.8	7115.6	8255.4	9259.8	10026.5	10691.4
-35°	1579.9	1899.8	2246.5	2693.8	3352.8	4254.7	5340.0	6424.8	7383.3	8127.8	8684.3
-37.5°	1422.4	1687.7	1971.4	2299.6	2725.0	3300.0	3954.7	4648.9	5423.1	6119.6	6585.2
-40°	1290.6	1505.6	1731.8	1978.9	2286.8	2661.1	3076.2	3500.3	3862.0	4219.1	4623.6
-42.5°	1168.3	1350.6	1539.0	1745.5	1994.0	2253.3	2499.0	2758.2	2969.6	3153.3	3323.2
-45°	1067.9	1219.3	1364.9	1536.6	1745.6	1951.9	2138.9	2301.0	2432.4	2552.9	2630.7
-47.5°	962.8	1092.5	1217.0	1360.7	1528.6	1689.5	1851.3	2002.2	2119.9	2207.7	2291.0
-50°	857.9	973.5	1083.3	1195.2	1333.9	1464.7	1600.7	1731.5	1855.2	1937.3	2017.9
-52.5°	754.1	857.1	956.9	1057.9	1157.2	1268.7	1369.3	1470.2	1573.2	1659.4	1728.5
-55°	663.8	754.5	836.0	926.7	1007.5	1093.7	1171.4	1237.2	1334.0	1419.8	1497.8
-57.5°	581.2	660.7	735.6	802.8	885.1	963.9	1022.9	1084.8	1163.4	1254.6	1339.6
-60°	509.3	576.9	643.1	710.7	781.8	855.0	918.0	979.8	1044.4	1119.2	1204.4
-62.5°	442.3	500.7	558.6	619.2	676.9	742.7	805.6	867.3	930.3	987.9	1062.2
-65°	379.0	429.2	476.6	526.8	572.2	623.8	675.6	737.8	796.1	848.7	915.5
-67.5°	316.3	358.5	394.0	434.4	473.9	515.8	559.2	606.4	659.3	711.3	776.8
-70°	259.7	289.2	320.0	352.8	386.2	427.6	461.9	492.8	536.8	579.5	624.0
-72.5°	204.1	231.4	256.4	281.1	314.3	347.1	376.5	400.0	428.5	457.9	489.1
-75°	166.3	182.9	200.1	221.6	246.3	267.4	285.9	308.5	326.1	346.5	372.3
-77.5°	130.9	143.8	158.4	171.7	184.5	196.5	213.7	229.5	238.3	247.0	265.7
-80°	102.7	112.1	121.2	129.8	138.2	148.3	158.2	167.5	174.6	187.2	198.6
-82.5°	77.2	83.1	88.7	95.5	101.9	107.9	113.7	119.3	124.4	135.4	140.9
-85°	54.7	58.6	62.3	66.0	69.6	73.0	76.2	79.4	82.6	95.3	97.9
-87.5°	28.1	30.5	32.8	35.0	37.1	39.2	41.2	43.1	45.0	61.0	63.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902056 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MNB-LT

**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°	32.1	33.7	35.1	36.3	29.5	30.6	31.6	32.9	33.0	33.1	34.1
85°	83.9	84.9	89.6	93.6	95.8	99.3	105.7	117.1	123.4	141.6	181.2
82.5°	170.9	176.0	182.7	191.0	200.0	206.3	222.6	250.2	288.4	374.2	528.1
80°	312.0	325.1	337.2	348.8	346.4	353.5	378.3	417.4	488.8	691.7	1081.3
77.5°	567.7	567.2	545.4	526.6	508.5	515.1	532.1	578.1	654.9	894.3	1403.9
75°	960.2	952.0	843.2	745.6	696.9	692.4	711.7	764.7	832.8	972.5	1331.2
72.5°	1424.8	1524.2	1376.4	1164.5	1025.7	977.8	987.7	1025.7	1088.1	1165.9	1292.5
70°	1833.1	2122.0	2094.3	1831.7	1572.4	1459.3	1432.0	1465.2	1551.2	1640.5	1699.5
67.5°	2140.7	2590.1	2824.7	2659.7	2362.4	2222.8	2240.3	2339.7	2423.0	2484.5	2502.7
65°	2287.0	2799.7	3307.6	3468.7	3185.9	3079.8	3252.5	3455.2	3470.1	3472.4	3459.1
62.5°	2286.4	2813.9	3406.6	3823.2	3802.4	3833.3	4202.4	4525.5	4407.5	4276.7	4193.9
60°	2345.6	2819.0	3381.1	3922.0	4206.5	4483.2	4991.9	5478.5	5384.0	5106.3	4853.8
57.5°	2779.1	3107.8	3480.4	3970.6	4424.5	4894.2	5398.1	5954.3	6187.0	5914.1	5577.0
55°	3630.1	3844.5	4128.1	4381.9	4731.7	5250.9	5758.3	6200.4	6503.0	6520.4	6479.2
52.5°	4822.5	4976.2	5086.6	5291.9	5551.8	5970.2	6377.7	6838.3	7191.1	7325.8	7377.1
50°	7734.3	7812.2	7217.4	7337.0	6933.9	7180.9	7320.1	7377.5	7867.3	7771.9	7607.3
47.5°	15699.2	15806.8	14953.1	15002.9	13917.2	14099.0	14182.2	13384.6	13834.4	13812.2	13819.4
45°	29467.7	30720.9	31298.6	32360.2	32431.8	33295.9	34141.6	33927.3	33574.7	33949.9	34341.2
42.5°	46830.0	50793.8	54332.9	57003.5	58816.7	61291.0	62122.7	63021.5	64341.1	63760.3	63787.4
40°	63958.9	71309.4	77806.8	83530.7	88584.6	92360.1	96044.4	97326.7	98857.4	100160.3	100171.3
37.5°	77058.5	86966.5	98121.0	107467.8	114897.1	121171.3	125634.1	129091.1	132187.3	134333.7	137346.1
35°	87606.8	102206.9	117037.6	127457.7	136541.7	142397.7	148305.3	153078.0	159188.8	162747.7	167388.9
32.5°	97312.0	115612.4	128831.4	137320.0	144417.5	149525.4	154624.8	160035.1	165475.5	170129.4	174904.3
30°	104474.9	120733.3	130435.3	136006.4	140940.5	144765.6	148616.2	153410.9	157572.1	161718.0	164832.0
27.5°	105468.8	117446.2	122863.6	125537.0	128828.9	131308.1	134080.3	137299.1	140338.1	142709.5	145134.4
25°	101610.3	108069.1	109937.7	112059.1	114474.4	115966.6	117745.3	119853.6	121822.8	123257.6	124578.8
22.5°	94562.7	98022.7	99034.9	100806.2	102635.2	103493.6	104586.9	105946.7	107023.4	107758.8	108437.7
20°	88212.9	89488.1	90027.5	91794.1	93158.5	93387.4	94172.2	94832.0	95466.9	95887.3	95985.1
17.5°	81611.7	82286.9	82864.4	84605.0	85468.6	85617.3	86024.7	86473.9	86702.1	86833.7	86852.5
15°	76049.8	76438.4	77265.0	78781.1	79341.5	79483.1	79745.3	79930.4	79990.9	80028.3	79974.4
12.5°	71145.5	71558.0	72516.4	74089.5	74399.9	74518.8	74666.8	74709.8	74714.6	74620.5	74779.0
10°	67039.1	67432.6	68518.2	70009.4	70425.5	70637.5	70644.7	70597.3	70495.1	70544.7	70541.0
7.5°	63284.1	63810.1	65031.0	66514.0	66864.2	67075.6	67292.7	67287.9	67252.1	67215.0	67150.2
5°	59737.3	60396.7	61722.5	63301.9	63748.0	64053.3	64381.5	64573.1	64543.6	64472.6	64370.2
2.5°	56451.4	57272.7	58657.6	60317.9	60828.1	61220.5	61687.0	61984.6	62158.8	62187.6	62115.3
0°	53251.3	54253.8	55637.7	57332.8	57979.6	58492.4	59150.9	59574.1	59842.3	60072.9	60197.6
-2.5°	50329.9	51492.5	53015.4	54892.7	55699.1	56232.7	56899.9	57404.8	57782.3	58082.8	58245.4
-5°	47604.9	48977.2	50631.2	52728.7	53586.0	54105.9	54836.2	55428.6	55827.4	56188.9	56457.3
-7.5°	45027.9	46554.5	48264.8	50368.4	51543.1	52059.1	52846.4	53490.5	53969.3	54370.2	54713.5
-10°	42431.0	44035.5	45695.3	47787.0	49176.2	49875.4	50663.2	51326.8	51865.7	52290.8	52690.4
-12.5°	39668.8	41216.9	42760.8	44884.4	46351.8	47115.2	47849.6	48532.0	49033.8	49493.4	49882.8
-15°	36603.3	38045.7	39403.8	41169.8	42723.4	43493.1	44269.6	44875.7	45373.1	45752.7	46163.5
-17.5°	33673.2	35007.9	36178.5	37616.3	39194.9	39781.2	40452.8	40986.3	41468.9	41879.6	41979.1
-20°	29815.1	31128.7	32196.8	33273.8	34645.7	35401.9	35927.0	36357.2	36470.0	36709.5	37218.8



REPORT NUMBER: P902056 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MNB-LT

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	23840.7	24684.5	25370.3	26006.0	26810.5	27164.9	27199.3	27233.4	27596.5	27432.2	27485.2
-25°	19319.9	19971.1	20513.4	20866.2	21477.8	21825.9	21760.0	21724.9	21682.1	21514.1	21371.3
-27.5°	16470.5	17045.7	17412.0	17655.0	17994.2	18248.6	18066.7	17896.2	17708.1	17431.6	17223.6
-30°	13810.6	14303.4	14615.2	14699.8	14787.7	14937.7	14637.5	14343.6	14058.9	13762.9	13436.5
-32.5°	11284.2	11666.3	11945.5	12028.8	11905.5	11944.0	11712.1	11319.7	11039.7	10718.1	10485.9
-35°	9040.8	9300.5	9466.6	9451.6	9307.7	9252.3	9043.9	8718.9	8448.5	8194.0	7983.8
-37.5°	6863.6	6945.2	7014.8	6936.3	6718.8	6672.3	6510.4	6256.4	6015.9	5899.0	5818.8
-40°	4863.6	4928.3	4924.2	4904.9	4753.3	4700.2	4572.3	4505.8	4364.8	4326.5	4267.5
-42.5°	3508.5	3563.6	3586.1	3616.1	3516.1	3568.8	3557.1	3535.1	3506.5	3476.8	3546.5
-45°	2740.6	2814.3	2859.1	2950.8	2960.8	2989.1	3055.4	3112.2	3159.7	3206.4	3289.7
-47.5°	2372.3	2473.4	2548.3	2653.8	2725.0	2789.2	2881.2	2997.9	2995.8	3037.2	3118.4
-50°	2101.1	2178.3	2267.7	2356.5	2451.2	2503.6	2594.7	2660.3	2678.6	2785.5	2953.3
-52.5°	1776.6	1857.1	1924.9	2017.9	2091.0	2187.5	2266.3	2338.5	2405.3	2611.5	2757.7
-55°	1563.9	1654.9	1740.1	1818.4	1897.7	1972.4	2026.7	2100.9	2317.1	2496.9	2529.8
-57.5°	1429.0	1521.1	1604.3	1675.6	1740.0	1779.9	1819.9	1983.2	2279.3	2381.4	2517.4
-60°	1297.9	1389.6	1465.9	1531.8	1579.4	1600.9	1666.8	1956.2	2178.4	2338.1	2445.8
-62.5°	1153.3	1243.1	1306.8	1362.9	1396.8	1425.6	1556.5	1834.7	2017.4	2159.8	2217.5
-65°	989.3	1083.4	1134.9	1162.6	1199.5	1266.7	1423.9	1616.3	1745.2	1841.0	1902.6
-67.5°	835.9	910.7	963.5	984.5	1024.4	1103.1	1254.1	1359.3	1419.6	1496.7	1613.8
-70°	675.9	733.0	778.6	804.2	835.2	893.4	1001.2	1089.2	1157.2	1220.1	1292.2
-72.5°	527.2	569.1	604.7	635.9	664.6	692.5	739.7	805.4	876.8	923.9	981.7
-75°	398.6	426.4	451.2	478.3	499.7	517.8	540.3	580.6	630.9	658.9	689.8
-77.5°	284.8	304.5	322.1	339.4	355.7	369.5	381.9	404.0	427.1	441.5	462.8
-80°	211.7	222.4	231.2	241.1	255.7	263.1	268.8	284.1	299.1	308.1	316.9
-82.5°	150.5	159.4	164.7	170.2	180.9	188.8	193.9	201.3	208.5	216.1	220.3
-85°	103.0	108.7	111.5	113.8	121.1	131.3	138.1	142.0	148.4	157.2	161.6
-87.5°	64.5	65.6	66.7	67.8	71.9	76.6	79.5	83.4	86.2	96.4	99.0
-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°	33.7	36.9	39.1	39.5	39.1	36.9	33.7	34.1	33.1	33.0	32.9
85°	223.8	270.5	303.6	315.2	303.6	270.5	223.8	181.2	141.6	123.4	117.1
82.5°	723.0	884.0	998.3	1030.4	998.3	884.0	723.0	528.1	374.2	288.4	250.2
80°	1544.7	1909.3	2079.4	2071.5	2079.4	1909.3	1544.7	1081.3	691.7	488.8	417.4
77.5°	1987.4	2495.2	2914.0	3033.6	2914.0	2495.2	1987.4	1403.9	894.3	654.9	578.1
75°	1909.2	2542.6	2987.4	3207.8	2987.4	2542.6	1909.2	1331.2	972.5	832.8	764.7
72.5°	1537.6	1955.9	2422.4	2774.8	2422.4	1955.9	1537.6	1292.5	1165.9	1088.1	1025.7
70°	1696.4	1719.6	2045.9	2530.2	2045.9	1719.6	1696.4	1699.5	1640.5	1551.2	1465.2
67.5°	2436.2	2338.7	2439.6	2728.1	2439.6	2338.7	2436.2	2502.7	2484.5	2423.0	2339.7
65°	3373.4	3259.2	3185.0	3176.2	3185.0	3259.2	3373.4	3459.1	3472.4	3470.1	3455.2
62.5°	4092.5	3981.2	3877.8	3826.4	3877.8	3981.2	4092.5	4193.9	4276.7	4407.5	4525.5
60°	4655.8	4503.2	4384.7	4343.7	4384.7	4503.2	4655.8	4853.8	5106.3	5384.0	5478.5
57.5°	5345.4	5176.5	5057.6	5023.3	5057.6	5176.5	5345.4	5577.0	5914.1	6187.0	5954.3
55°	6333.3	6156.7	6045.0	6005.4	6045.0	6156.7	6333.3	6479.2	6520.4	6503.0	6200.4
52.5°	7338.3	7310.4	7306.5	7305.8	7306.5	7310.4	7338.3	7377.1	7325.8	7191.1	6838.3
50°	7387.3	7137.4	6981.9	6928.8	6981.9	7137.4	7387.3	7607.3	7771.9	7867.3	7377.5
47.5°	13736.2	14011.3	13856.3	13650.0	13856.3	14011.3	13736.2	13819.4	13812.2	13834.4	13384.6
45°	33758.2	32564.1	31628.1	31084.2	31628.1	32564.1	33758.2	34341.2	33949.9	33574.7	33927.3
42.5°	64310.8	65157.1	65910.4	65811.0	65910.4	65157.1	64310.8	63787.4	63760.3	64341.1	63021.5
40°	100317.2	100593.1	101035.8	101351.1	101035.8	100593.1	100317.2	100171.3	100160.3	98857.4	97326.7
37.5°	139185.5	139480.3	139849.0	139943.8	139849.0	139480.3	139185.5	137346.1	134333.7	132187.3	129091.1
35°	170215.8	171521.2	172553.2	172991.1	172553.2	171521.2	170215.8	167388.9	162747.7	159188.8	153078.0
32.5°	177024.9	178937.6	180374.4	181013.6	180374.4	178937.6	177024.9	174904.3	170129.4	165475.5	160035.1
30°	167062.1	168735.1	169940.2	170553.7	169940.2	168735.1	167062.1	164832.0	161718.0	157572.1	153410.9
27.5°	146454.4	147243.1	147878.5	148332.2	147878.5	147243.1	146454.4	145134.4	142709.5	140338.1	137299.1
25°	125004.8	125172.1	125373.5	125813.3	125373.5	125172.1	125004.8	124578.8	123257.6	121822.8	119853.6
22.5°	108645.8	108433.9	108400.2	108598.1	108400.2	108433.9	108645.8	108437.7	107758.8	107023.4	105946.7
20°	96119.6	95907.1	95920.8	96035.8	95920.8	95907.1	96119.6	95985.1	95887.3	95466.9	94832.0
17.5°	86933.1	86586.6	86687.5	87066.6	86687.5	86586.6	86933.1	86852.5	86833.7	86702.1	86473.9
15°	80011.6	79709.6	79809.9	80311.7	79809.9	79709.6	80011.6	79974.4	80028.3	79990.9	79930.4
12.5°	74687.5	74342.0	74477.9	74817.7	74477.9	74342.0	74687.5	74779.0	74620.5	74714.6	74709.8
10°	70424.4	70175.3	70298.1	70479.3	70298.1	70175.3	70424.4	70541.0	70544.7	70495.1	70597.3
7.5°	66975.8	66792.2	66835.2	66996.6	66835.2	66792.2	66975.8	67150.2	67215.0	67252.1	67287.9
5°	64221.3	64040.1	64072.3	64148.0	64072.3	64040.1	64221.3	64370.2	64472.6	64543.6	64573.1
2.5°	61942.2	61856.2	61852.7	61898.3	61852.7	61856.2	61942.2	62115.3	62187.6	62158.8	61984.6
0°	60065.1	59974.5	60041.5	60179.4	60041.5	59974.5	60065.1	60197.6	60072.9	59842.3	59574.1
-2.5°	58254.0	58269.7	58401.5	58574.0	58401.5	58269.7	58254.0	58245.4	58082.8	57782.3	57404.8
-5°	56536.9	56570.0	56657.0	56846.4	56657.0	56570.0	56536.9	56457.3	56188.9	55827.4	55428.6
-7.5°	54820.1	54839.2	55026.8	55073.0	55026.8	54839.2	54820.1	54713.5	54370.2	53969.3	53490.5
-10°	52834.7	52869.9	53085.4	53120.9	53085.4	52869.9	52834.7	52690.4	52290.8	51865.7	51326.8
-12.5°	50019.8	50162.3	50341.1	50397.5	50341.1	50162.3	50019.8	49882.8	49493.4	49033.8	48532.0
-15°	46229.0	46399.8	46538.0	46589.0	46538.0	46399.8	46229.0	46163.5	45752.7	45373.1	44875.7
-17.5°	42232.0	42235.4	42579.0	42693.9	42579.0	42235.4	42232.0	41979.1	41879.6	41468.9	40986.3
-20°	36933.7	37078.1	37517.0	37740.4	37517.0	37078.1	36933.7	37218.8	36709.5	36470.0	36357.2



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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°	27295.2	27603.5	27570.4	27484.4	27570.4	27603.5	27295.2	27485.2	27432.2	27596.5	27233.4
-25°	21171.6	21087.1	20996.4	20960.8	20996.4	21087.1	21171.6	21371.3	21514.1	21682.1	21724.9
-27.5°	16961.6	16765.7	16688.8	16659.9	16688.8	16765.7	16961.6	17223.6	17431.6	17708.1	17896.2
-30°	13282.5	13062.6	12937.6	12802.2	12937.6	13062.6	13282.5	13436.5	13762.9	14058.9	14343.6
-32.5°	10304.9	10161.6	10021.8	9919.3	10021.8	10161.6	10304.9	10485.9	10718.1	11039.7	11319.7
-35°	7852.9	7751.9	7671.6	7582.5	7671.6	7751.9	7852.9	7983.8	8194.0	8448.5	8718.9
-37.5°	5647.7	5576.6	5562.6	5552.8	5562.6	5576.6	5647.7	5818.8	5899.0	6015.9	6256.4
-40°	4184.4	4165.2	4175.8	4155.8	4175.8	4165.2	4184.4	4267.5	4326.5	4364.8	4505.8
-42.5°	3602.4	3673.7	3802.0	3869.5	3802.0	3673.7	3602.4	3546.5	3476.8	3506.5	3535.1
-45°	3326.7	3500.7	3653.7	3711.1	3653.7	3500.7	3326.7	3289.7	3206.4	3159.7	3112.2
-47.5°	3237.4	3344.8	3508.8	3592.9	3508.8	3344.8	3237.4	3118.4	3037.2	2995.8	2997.9
-50°	3132.1	3278.3	3369.3	3389.6	3369.3	3278.3	3132.1	2953.3	2785.5	2678.6	2660.3
-52.5°	2823.5	2892.6	2914.6	2912.7	2914.6	2892.6	2823.5	2757.7	2611.5	2405.3	2338.5
-55°	2612.9	2650.6	2669.7	2676.0	2669.7	2650.6	2612.9	2529.8	2496.9	2317.1	2100.9
-57.5°	2564.6	2577.2	2586.5	2577.6	2586.5	2577.2	2564.6	2517.4	2381.4	2279.3	1983.2
-60°	2483.5	2519.9	2544.8	2526.1	2544.8	2519.9	2483.5	2445.8	2338.1	2178.4	1956.2
-62.5°	2253.3	2314.5	2340.0	2278.4	2340.0	2314.5	2253.3	2217.5	2159.8	2017.4	1834.7
-65°	1980.3	2094.8	2134.7	2056.6	2134.7	2094.8	1980.3	1902.6	1841.0	1745.2	1616.3
-67.5°	1760.9	1933.6	2079.1	2167.2	2079.1	1933.6	1760.9	1613.8	1496.7	1419.6	1359.3
-70°	1444.9	1721.0	2117.7	2490.2	2117.7	1721.0	1444.9	1292.2	1220.1	1157.2	1089.2
-72.5°	1092.7	1625.6	1908.6	1459.5	1908.6	1625.6	1092.7	981.7	923.9	876.8	805.4
-75°	728.5	844.4	880.7	793.2	880.7	844.4	728.5	689.8	658.9	630.9	580.6
-77.5°	484.9	500.6	505.3	516.9	505.3	500.6	484.9	462.8	441.5	427.1	404.0
-80°	335.9	354.5	359.9	360.4	359.9	354.5	335.9	316.9	308.1	299.1	284.1
-82.5°	235.3	244.1	245.7	254.6	245.7	244.1	235.3	220.3	216.1	208.5	201.3
-85°	163.6	168.3	172.2	173.1	172.2	168.3	163.6	161.6	157.2	148.4	142.0
-87.5°	98.9	103.9	108.9	108.7	108.9	103.9	98.9	99.0	96.4	86.2	83.4
-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°	31.6	30.6	29.5	36.3	35.1	33.7	32.1	30.4	29.4	27.9	28.3
85°	105.7	99.3	95.8	93.6	89.6	84.9	83.9	79.2	75.3	74.2	72.0
82.5°	222.6	206.3	200.0	191.0	182.7	176.0	170.9	164.4	157.4	154.1	142.0
80°	378.3	353.5	346.4	348.8	337.2	325.1	312.0	301.3	285.8	271.6	240.5
77.5°	532.1	515.1	508.5	526.6	545.4	567.2	567.7	545.6	484.9	428.2	366.6
75°	711.7	692.4	696.9	745.6	843.2	952.0	960.2	865.6	746.3	632.3	520.7
72.5°	987.7	977.8	1025.7	1164.5	1376.4	1524.2	1424.8	1206.7	1030.2	857.4	699.9
70°	1432.0	1459.3	1572.4	1831.7	2094.3	2122.0	1833.1	1516.9	1276.3	1063.0	904.1
67.5°	2240.3	2222.8	2362.4	2659.7	2824.7	2590.1	2140.7	1758.5	1448.8	1227.9	1088.1
65°	3252.5	3079.8	3185.9	3468.7	3307.6	2799.7	2287.0	1871.1	1571.1	1382.2	1266.5
62.5°	4202.4	3833.3	3802.4	3823.2	3406.6	2813.9	2286.4	1930.9	1747.9	1587.4	1495.8
60°	4991.9	4483.2	4206.5	3922.0	3381.1	2819.0	2345.6	2164.5	2083.3	1987.8	1894.7
57.5°	5398.1	4894.2	4424.5	3970.6	3480.4	3107.8	2779.1	2702.1	2655.1	2601.3	2529.4
55°	5758.3	5250.9	4731.7	4381.9	4128.1	3844.5	3630.1	3573.7	3532.6	3572.1	3483.0
52.5°	6377.7	5970.2	5551.8	5291.9	5086.6	4976.2	4822.5	5068.1	5059.6	5212.9	5311.1
50°	7320.1	7180.9	6933.9	7337.0	7217.4	7812.2	7734.3	8240.8	8238.8	8204.2	8533.7
47.5°	14182.2	14099.0	13917.2	15002.9	14953.1	15806.8	15699.2	15411.6	15115.3	14189.8	13980.9
45°	34141.6	33295.9	32431.8	32360.2	31298.6	30720.9	29467.7	27624.4	25651.7	22972.9	20731.7
42.5°	62122.7	61291.0	58816.7	57003.5	54332.9	50793.8	46830.0	42324.7	37547.0	32435.5	28064.0
40°	96044.4	92360.1	88584.6	83530.7	77806.8	71309.4	63958.9	56603.8	49257.3	41689.1	35029.9
37.5°	125634.1	121171.3	114897.1	107467.8	98121.0	86966.5	77058.5	67204.2	57965.0	49244.0	40813.1
35°	148305.3	142397.7	136541.7	127457.7	117037.6	102206.9	87606.8	75717.9	65100.1	55416.8	46276.9
32.5°	154624.8	149525.4	144417.5	137320.0	128831.4	115612.4	97312.0	82231.9	70419.9	59972.8	50227.2
30°	148616.2	144765.6	140940.5	136006.4	130435.3	120733.3	104474.9	86490.7	73179.0	62000.3	52122.2
27.5°	134080.3	131308.1	128828.9	125537.0	122863.6	117446.2	105468.8	88082.8	73421.5	61916.7	51861.2
25°	117745.3	115966.6	114474.4	112059.1	109937.7	108069.1	101610.3	87424.0	71525.8	60229.0	49910.8
22.5°	104586.9	103493.6	102635.2	100806.2	99034.9	98022.7	94562.7	84872.1	70793.3	58622.2	48409.8
20°	94172.2	93387.4	93158.5	91794.1	90027.5	89488.1	88212.9	82299.8	69760.5	57565.7	47326.6
17.5°	86024.7	85617.3	85468.6	84605.0	82864.4	82286.9	81611.7	77935.3	68502.2	57033.5	46741.9
15°	79745.3	79483.1	79341.5	78781.1	77265.0	76438.4	76049.8	74251.5	67278.7	56419.2	46504.9
12.5°	74666.8	74518.8	74399.9	74089.5	72516.4	71558.0	71145.5	69765.6	65039.2	55653.1	46224.9
10°	70644.7	70637.5	70425.5	70009.4	68518.2	67432.6	67039.1	65887.0	62273.6	54666.4	45786.8
7.5°	67292.7	67075.6	66864.2	66514.0	65031.0	63810.1	63284.1	62238.2	59379.0	53241.4	45176.5
5°	64381.5	64053.3	63748.0	63301.9	61722.5	60396.7	59737.3	58650.0	56306.3	51350.8	44165.0
2.5°	61687.0	61220.5	60828.1	60317.9	58657.6	57272.7	56451.4	55258.2	53185.8	49100.3	42873.5
0°	59150.9	58492.4	57979.6	57332.8	55637.7	54253.8	53251.3	52000.3	49972.9	46610.3	41336.6
-2.5°	56899.9	56232.7	55699.1	54892.7	53015.4	51492.5	50329.9	48879.0	46936.5	44055.1	39623.8
-5°	54836.2	54105.9	53586.0	52728.7	50631.2	48977.2	47604.9	46005.4	44068.5	41475.5	37738.9
-7.5°	52846.4	52059.1	51543.1	50368.4	48264.8	46554.5	45027.9	43323.4	41354.5	38958.2	35767.1
-10°	50663.2	49875.4	49176.2	47787.0	45695.3	44035.5	42431.0	40613.1	38738.2	36529.4	33792.4
-12.5°	47849.6	47115.2	46351.8	44884.4	42760.8	41216.9	39668.8	37929.7	36202.5	34097.2	31811.0
-15°	44269.6	43493.1	42723.4	41169.8	39403.8	38045.7	36603.3	34984.7	33429.1	31607.4	29654.5
-17.5°	40452.8	39781.2	39194.9	37616.3	36178.5	35007.9	33673.2	32258.7	30862.0	29163.7	27415.0
-20°	35927.0	35401.9	34645.7	33273.8	32196.8	31128.7	29815.1	28578.9	27340.9	25831.0	23595.3



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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°	27199.3	27164.9	26810.5	26006.0	25370.3	24684.5	23840.7	22967.2	21846.0	20420.6	18459.2
-25°	21760.0	21825.9	21477.8	20866.2	20513.4	19971.1	19319.9	18569.0	17656.4	16120.2	14148.0
-27.5°	18066.7	18248.6	17994.2	17655.0	17412.0	17045.7	16470.5	15698.2	14608.7	13190.1	11681.2
-30°	14637.5	14937.7	14787.7	14699.8	14615.2	14303.4	13810.6	13089.5	12102.9	10984.4	9902.6
-32.5°	11712.1	11944.0	11905.5	12028.8	11945.5	11666.3	11284.2	10691.4	10026.5	9259.8	8255.4
-35°	9043.9	9252.3	9307.7	9451.6	9466.6	9300.5	9040.8	8684.3	8127.8	7383.3	6424.8
-37.5°	6510.4	6672.3	6718.8	6936.3	7014.8	6945.2	6863.6	6585.2	6119.6	5423.1	4648.9
-40°	4572.3	4700.2	4753.3	4904.9	4924.2	4928.3	4863.6	4623.6	4219.1	3862.0	3500.3
-42.5°	3557.1	3568.8	3516.1	3616.1	3586.1	3563.6	3508.5	3323.2	3153.3	2969.6	2758.2
-45°	3055.4	2989.1	2960.8	2950.8	2859.1	2814.3	2740.6	2630.7	2552.9	2432.4	2301.0
-47.5°	2881.2	2789.2	2725.0	2653.8	2548.3	2473.4	2372.3	2291.0	2207.7	2119.9	2002.2
-50°	2594.7	2503.6	2451.2	2356.5	2267.7	2178.3	2101.1	2017.9	1937.3	1855.2	1731.5
-52.5°	2266.3	2187.5	2091.0	2017.9	1924.9	1857.1	1776.6	1728.5	1659.4	1573.2	1470.2
-55°	2026.7	1972.4	1897.7	1818.4	1740.1	1654.9	1563.9	1497.8	1419.8	1334.0	1237.2
-57.5°	1819.9	1779.9	1740.0	1675.6	1604.3	1521.1	1429.0	1339.6	1254.6	1163.4	1084.8
-60°	1666.8	1600.9	1579.4	1531.8	1465.9	1389.6	1297.9	1204.4	1119.2	1044.4	979.8
-62.5°	1556.5	1425.6	1396.8	1362.9	1306.8	1243.1	1153.3	1062.2	987.9	930.3	867.3
-65°	1423.9	1266.7	1199.5	1162.6	1134.9	1083.4	989.3	915.5	848.7	796.1	737.8
-67.5°	1254.1	1103.1	1024.4	984.5	963.5	910.7	835.9	776.8	711.3	659.3	606.4
-70°	1001.2	893.4	835.2	804.2	778.6	733.0	675.9	624.0	579.5	536.8	492.8
-72.5°	739.7	692.5	664.6	635.9	604.7	569.1	527.2	489.1	457.9	428.5	400.0
-75°	540.3	517.8	499.7	478.3	451.2	426.4	398.6	372.3	346.5	326.1	308.5
-77.5°	381.9	369.5	355.7	339.4	322.1	304.5	284.8	265.7	247.0	238.3	229.5
-80°	268.8	263.1	255.7	241.1	231.2	222.4	211.7	198.6	187.2	174.6	167.5
-82.5°	193.9	188.8	180.9	170.2	164.7	159.4	150.5	140.9	135.4	124.4	119.3
-85°	138.1	131.3	121.1	113.8	111.5	108.7	103.0	97.9	95.3	82.6	79.4
-87.5°	79.5	76.6	71.9	67.8	66.7	65.6	64.5	63.4	61.0	45.0	43.1
-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°	28.5	27.0	27.8	26.2	24.6	22.7	21.0	19.2	17.4	15.6	13.7
85°	69.8	66.2	66.5	61.5	56.3	51.0	45.3	39.5	34.8	31.1	27.4
82.5°	130.7	122.5	117.7	106.5	95.1	87.6	78.5	69.0	60.8	52.7	44.0
80°	214.4	198.6	182.5	166.6	151.6	137.5	121.0	102.4	87.7	77.5	66.0
77.5°	323.2	294.4	268.7	243.8	218.3	194.2	172.3	151.8	128.0	105.6	87.7
75°	459.3	421.4	377.1	336.7	294.4	266.6	239.1	206.1	171.0	141.8	114.9
72.5°	611.6	558.8	501.9	447.8	397.8	352.2	311.5	273.8	223.2	177.5	144.7
70°	799.1	715.4	636.5	570.5	503.9	448.5	398.9	342.8	278.8	222.8	173.7
67.5°	985.8	888.0	787.6	702.7	610.6	549.9	486.8	415.8	336.5	268.4	210.0
65°	1175.6	1086.3	982.8	845.9	753.8	660.0	585.9	493.4	397.5	317.4	246.2
62.5°	1417.4	1361.3	1239.0	1085.1	926.2	803.1	689.8	585.4	460.6	372.2	280.9
60°	1848.5	1777.8	1589.7	1368.2	1128.0	944.6	801.9	673.0	537.8	425.8	322.8
57.5°	2476.1	2347.2	2046.9	1679.4	1328.2	1080.3	909.4	763.3	610.7	481.3	362.6
55°	3505.7	3080.6	2575.3	1980.7	1492.3	1203.0	1012.0	852.5	686.6	536.0	399.9
52.5°	5423.7	4937.3	3220.4	2275.0	1656.0	1313.7	1107.7	938.3	758.7	588.4	442.3
50°	8782.0	8062.8	5266.0	2609.2	1808.0	1433.8	1199.9	1016.8	825.4	647.2	481.4
47.5°	13852.4	12046.7	7588.1	3510.9	1970.9	1537.3	1283.9	1085.6	889.6	702.7	516.2
45°	19828.8	16947.0	10226.4	4237.8	2193.7	1633.8	1360.5	1149.7	950.2	753.2	553.7
42.5°	25573.4	21759.2	13203.3	5581.0	2422.4	1722.7	1425.5	1209.4	1006.5	803.6	597.4
40°	30773.7	25937.0	15822.3	6520.9	2635.9	1778.4	1497.7	1264.8	1059.2	852.3	636.2
37.5°	35176.3	30026.6	19391.9	8418.0	3183.5	1788.7	1561.0	1316.1	1113.0	899.3	669.5
35°	38938.9	34217.1	23391.4	9751.8	3477.1	1892.9	1618.7	1368.8	1163.8	938.6	701.0
32.5°	42237.2	36975.9	27371.3	13285.2	4801.1	2202.4	1657.9	1436.6	1210.3	977.1	730.1
30°	43984.2	38725.7	31191.1	16207.6	5631.7	2473.6	1706.7	1502.9	1255.2	1014.6	753.7
27.5°	43592.5	38352.0	32347.6	19279.4	7691.6	3005.0	1823.7	1567.2	1301.4	1045.4	772.2
25°	41818.8	36472.0	32605.1	22384.4	9937.7	3840.0	2053.5	1616.3	1351.7	1069.2	785.6
22.5°	40054.2	34601.4	32374.2	24874.6	12123.4	4575.7	2274.7	1662.5	1392.1	1094.0	810.5
20°	38635.9	33147.0	30668.2	25717.5	14487.3	5393.8	2488.8	1701.1	1425.7	1123.9	837.7
17.5°	37650.6	31643.1	28987.7	26198.8	16968.4	7194.4	2893.4	1740.1	1456.4	1155.3	861.1
15°	37559.2	30726.9	27296.7	26261.7	18976.7	8956.6	3559.2	1852.1	1488.6	1181.3	883.0
12.5°	37589.6	30319.8	26297.8	25753.3	20537.4	10542.6	4339.2	2098.3	1517.6	1213.3	904.2
10°	37677.7	30298.0	25616.9	24506.4	21559.4	12008.6	5119.1	2389.7	1589.6	1250.9	922.1
7.5°	37704.2	30439.4	25283.0	23466.5	21532.2	13285.2	6049.7	2760.1	1675.5	1285.5	935.0
5°	37408.4	30579.4	25061.2	22629.3	21080.6	14362.3	6957.9	3125.2	1766.5	1318.2	936.8
2.5°	36800.9	30585.4	24857.0	21829.3	20382.2	15077.7	7788.1	3461.8	1857.5	1347.3	934.5
0°	35998.6	30452.1	24568.7	20992.9	19522.7	15526.5	8513.6	3754.3	1936.3	1370.7	928.1
-2.5°	35033.1	30128.8	24074.0	20089.2	18534.5	15358.1	8765.7	3814.1	1968.7	1379.4	924.8
-5°	33851.8	29411.9	23234.0	19114.3	17564.9	14975.8	8843.5	3797.9	1986.3	1379.6	917.2
-7.5°	32537.0	28238.0	22053.8	18058.4	16629.5	14275.0	8451.7	3603.8	1980.2	1368.9	905.3
-10°	31032.3	26598.8	20568.7	16948.6	15725.9	13350.5	7888.8	3321.3	1958.9	1343.6	890.5
-12.5°	29221.0	24484.3	18835.3	15806.7	14777.8	12213.5	7002.1	2954.8	1932.9	1309.3	872.0
-15°	27002.2	21820.1	17033.1	14929.1	13851.5	10907.3	6030.1	2543.3	1882.6	1264.6	849.7
-17.5°	24322.4	19201.7	15750.6	14265.4	12742.6	9475.0	4923.9	2330.3	1815.4	1210.1	823.2
-20°	20357.4	16402.8	14208.1	12954.4	11290.9	7625.0	4072.2	2192.5	1701.8	1148.2	792.2



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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°	15546.7	13266.8	12049.6	11012.3	8924.5	5886.9	3296.7	2051.1	1559.3	1073.1	756.7
-25°	12190.6	10868.8	9965.0	8636.6	6478.3	4389.2	2633.8	1896.7	1411.1	991.3	723.1
-27.5°	10386.4	9353.7	8125.8	6456.2	4711.5	3206.6	2152.1	1742.4	1291.4	934.6	691.8
-30°	8874.8	7776.7	6264.6	4715.3	3414.5	2580.7	1929.3	1581.4	1199.7	882.9	658.2
-32.5°	7115.6	5856.8	4563.7	3531.1	2760.2	2199.2	1759.2	1431.4	1107.6	831.7	622.4
-35°	5340.0	4254.7	3352.8	2693.8	2246.5	1899.8	1579.9	1289.3	1012.5	777.7	585.0
-37.5°	3954.7	3300.0	2725.0	2299.6	1971.4	1687.7	1422.4	1176.3	933.8	726.7	548.9
-40°	3076.2	2661.1	2286.8	1978.9	1731.8	1505.6	1290.6	1080.8	866.3	678.5	514.7
-42.5°	2499.0	2253.3	1994.0	1745.5	1539.0	1350.6	1168.3	992.8	798.9	628.3	478.3
-45°	2138.9	1951.9	1745.6	1536.6	1364.9	1219.3	1067.9	905.9	732.9	576.1	439.7
-47.5°	1851.3	1689.5	1528.6	1360.7	1217.0	1092.5	962.8	817.4	669.7	530.2	403.9
-50°	1600.7	1464.7	1333.9	1195.2	1083.3	973.5	857.9	730.1	602.5	481.2	370.5
-52.5°	1369.3	1268.7	1157.2	1057.9	956.9	857.1	754.1	649.2	539.3	430.8	335.0
-55°	1171.4	1093.7	1007.5	926.7	836.0	754.5	663.8	567.5	479.6	390.9	298.7
-57.5°	1022.9	963.9	885.1	802.8	735.6	660.7	581.2	502.4	421.5	352.0	270.0
-60°	918.0	855.0	781.8	710.7	643.1	576.9	509.3	438.8	373.6	314.1	241.7
-62.5°	805.6	742.7	676.9	619.2	558.6	500.7	442.3	382.0	324.6	273.2	211.8
-65°	675.6	623.8	572.2	526.8	476.6	429.2	379.0	325.8	278.6	231.8	187.6
-67.5°	559.2	515.8	473.9	434.4	394.0	358.5	316.3	274.9	233.5	197.0	162.4
-70°	461.9	427.6	386.2	352.8	320.0	289.2	259.7	225.4	194.8	166.6	137.2
-72.5°	376.5	347.1	314.3	281.1	256.4	231.4	204.1	185.0	161.5	137.0	116.6
-75°	285.9	267.4	246.3	221.6	200.1	182.9	166.3	149.0	130.4	113.3	95.7
-77.5°	213.7	196.5	184.5	171.7	158.4	143.8	130.9	119.0	103.9	89.5	76.3
-80°	158.2	148.3	138.2	129.8	121.2	112.1	102.7	91.2	78.4	69.4	60.1
-82.5°	113.7	107.9	101.9	95.5	88.7	83.1	77.2	67.9	57.5	50.7	43.9
-85°	76.2	73.0	69.6	66.0	62.3	58.6	54.7	45.7	36.7	32.8	28.8
-87.5°	41.2	39.2	37.1	35.0	32.8	30.5	28.1	23.0	18.4	16.4	14.4
-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):**

	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°	13.6	12.9	10.4	7.6	5.1	2.6	0.0
85°	27.2	25.8	20.7	15.2	10.3	5.1	0.0
82.5°	40.8	38.7	31.0	22.8	15.4	7.7	0.0
80°	57.6	51.2	41.2	30.3	20.5	10.2	0.0
77.5°	74.4	63.0	51.2	37.8	25.5	12.8	0.0
75°	90.7	74.7	60.7	45.2	30.5	15.3	0.0
72.5°	112.3	86.4	70.0	51.7	35.4	17.7	0.0
70°	135.2	101.1	79.0	58.0	40.3	20.2	0.0
67.5°	157.4	118.9	87.8	64.0	45.1	22.6	0.0
65°	182.8	136.1	98.4	69.9	49.2	24.9	0.0
62.5°	212.0	152.7	110.7	75.5	52.7	27.2	0.0
60°	240.3	171.4	122.6	80.9	56.1	29.5	0.0
57.5°	267.6	192.3	134.1	86.3	59.5	31.7	0.0
55°	297.4	211.9	145.1	94.4	62.8	33.8	0.0
52.5°	324.6	230.2	156.6	102.1	66.0	35.9	0.0
50°	349.7	248.3	171.1	109.5	69.1	37.9	0.0
47.5°	373.7	269.2	185.0	116.4	72.1	39.9	0.0
45°	402.4	289.4	198.1	123.0	75.0	41.7	0.0
42.5°	429.7	308.9	210.4	129.2	77.8	43.5	0.0
40°	456.5	327.6	222.0	135.4	80.4	45.2	0.0
37.5°	481.7	345.5	232.8	141.4	83.0	46.8	0.0
35°	506.3	362.3	243.8	148.8	86.4	48.1	0.0
32.5°	528.2	377.1	254.0	156.3	89.9	49.2	0.0
30°	545.7	390.6	263.0	163.3	93.3	50.2	0.0
27.5°	562.4	402.7	271.7	169.5	96.3	51.2	0.0
25°	578.2	413.2	279.7	175.1	99.1	52.1	0.0
22.5°	592.4	423.3	286.8	180.1	101.6	52.9	0.0
20°	606.4	434.3	293.0	184.4	103.9	53.6	0.0
17.5°	623.2	443.8	298.3	188.6	105.9	54.2	0.0
15°	638.6	452.6	302.6	192.4	107.6	54.8	0.0
12.5°	651.5	460.5	307.2	195.6	109.1	55.3	0.0
10°	661.8	466.9	311.3	198.2	110.4	55.7	0.0
7.5°	667.0	471.7	314.5	200.3	111.3	56.0	0.0
5°	668.5	474.7	316.8	201.8	112.0	56.2	0.0
2.5°	667.1	475.8	318.1	202.7	112.4	56.3	0.0
0°	663.0	475.3	318.6	203.0	112.6	56.4	0.0
-2.5°	658.3	471.4	317.5	202.4	112.4	56.3	0.0
-5°	651.1	466.0	315.5	201.3	112.0	56.2	0.0
-7.5°	641.4	459.0	312.6	199.6	111.3	56.0	0.0
-10°	629.9	450.5	308.8	197.4	110.3	55.7	0.0
-12.5°	618.9	441.1	304.1	194.5	109.1	55.3	0.0
-15°	605.3	431.0	298.4	191.2	107.6	54.8	0.0
-17.5°	589.1	420.0	291.0	187.3	105.8	54.2	0.0
-20°	569.5	408.5	282.6	182.5	103.8	53.6	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	549.0	395.7	273.1	176.4	101.6	52.9	0.0
-25°	528.0	380.9	262.5	170.0	99.1	52.1	0.0
-27.5°	504.9	364.3	250.8	163.2	96.3	51.2	0.0
-30°	480.6	346.2	238.0	156.2	93.3	50.2	0.0
-32.5°	456.5	326.6	225.0	148.9	90.1	49.2	0.0
-35°	430.5	305.7	211.6	141.4	86.7	48.1	0.0
-37.5°	404.2	285.8	198.9	134.3	83.5	46.8	0.0
-40°	378.5	269.5	188.4	128.5	81.0	45.2	0.0
-42.5°	351.9	252.7	177.5	122.5	78.3	43.5	0.0
-45°	325.2	235.5	166.2	116.3	75.6	41.7	0.0
-47.5°	297.9	217.9	154.4	110.0	72.7	39.9	0.0
-50°	276.0	200.0	143.3	103.4	69.7	37.9	0.0
-52.5°	253.5	186.6	132.2	96.7	66.5	35.9	0.0
-55°	229.4	172.7	123.8	89.9	63.3	33.8	0.0
-57.5°	204.3	158.2	115.6	82.9	59.9	31.7	0.0
-60°	186.3	143.2	107.1	77.6	56.5	29.5	0.0
-62.5°	167.5	129.6	98.3	72.5	53.0	27.2	0.0
-65°	147.9	117.1	89.2	67.4	49.3	24.9	0.0
-67.5°	129.7	104.1	81.0	62.2	45.2	22.6	0.0
-70°	113.0	90.7	73.7	57.1	40.4	20.2	0.0
-72.5°	95.8	78.2	66.1	51.9	35.5	17.7	0.0
-75°	79.2	66.5	58.3	46.2	30.6	15.3	0.0
-77.5°	65.2	54.6	50.2	38.7	25.6	12.8	0.0
-80°	51.1	42.5	40.8	31.0	20.5	10.2	0.0
-82.5°	37.2	31.4	30.7	23.3	15.4	7.7	0.0
-85°	24.8	20.8	20.5	15.6	10.3	5.1	0.0
-87.5°	12.4	10.4	10.2	7.8	5.2	2.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)