

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: P902058 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/13/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P902058 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( LVM2I39700)  
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  
Description: ARENAVISION LUMINAIRE  
5700K, 85 CRI LEDS AND A35-MNB OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

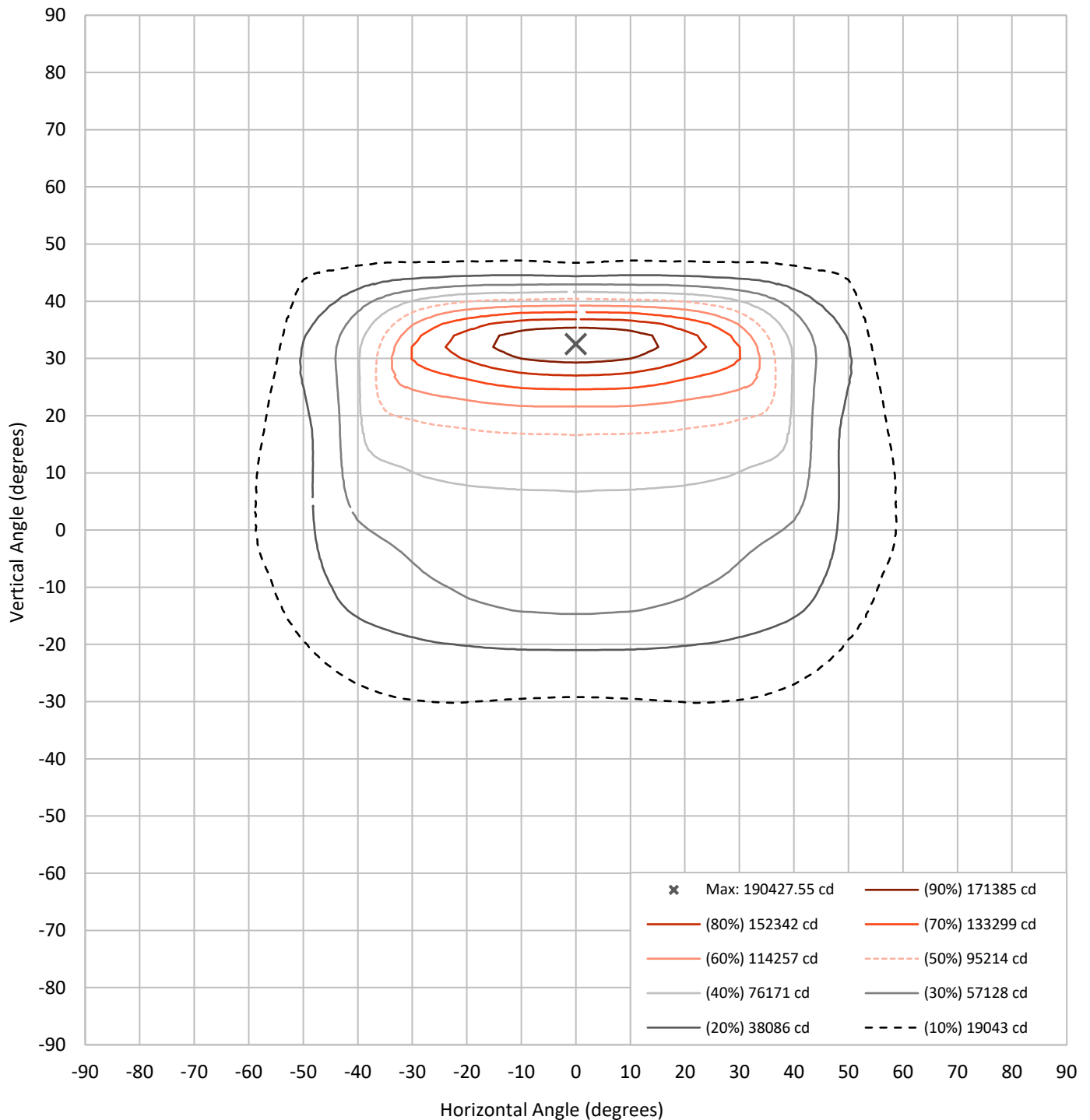
Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	163509.5 lumens	Max Intensity:	190427.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 32.5°V
Efficacy:	115.7 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		

Beam Angle (50%):	71.8°H x 23.8°V	Field Angle (10%):	108.2°H x 75.8°V
Beam Lumens:	57968.4 lumens	Field Lumens:	148853.9 lumens
Beam Efficiency:	35.5%	Field Efficiency:	91.0%

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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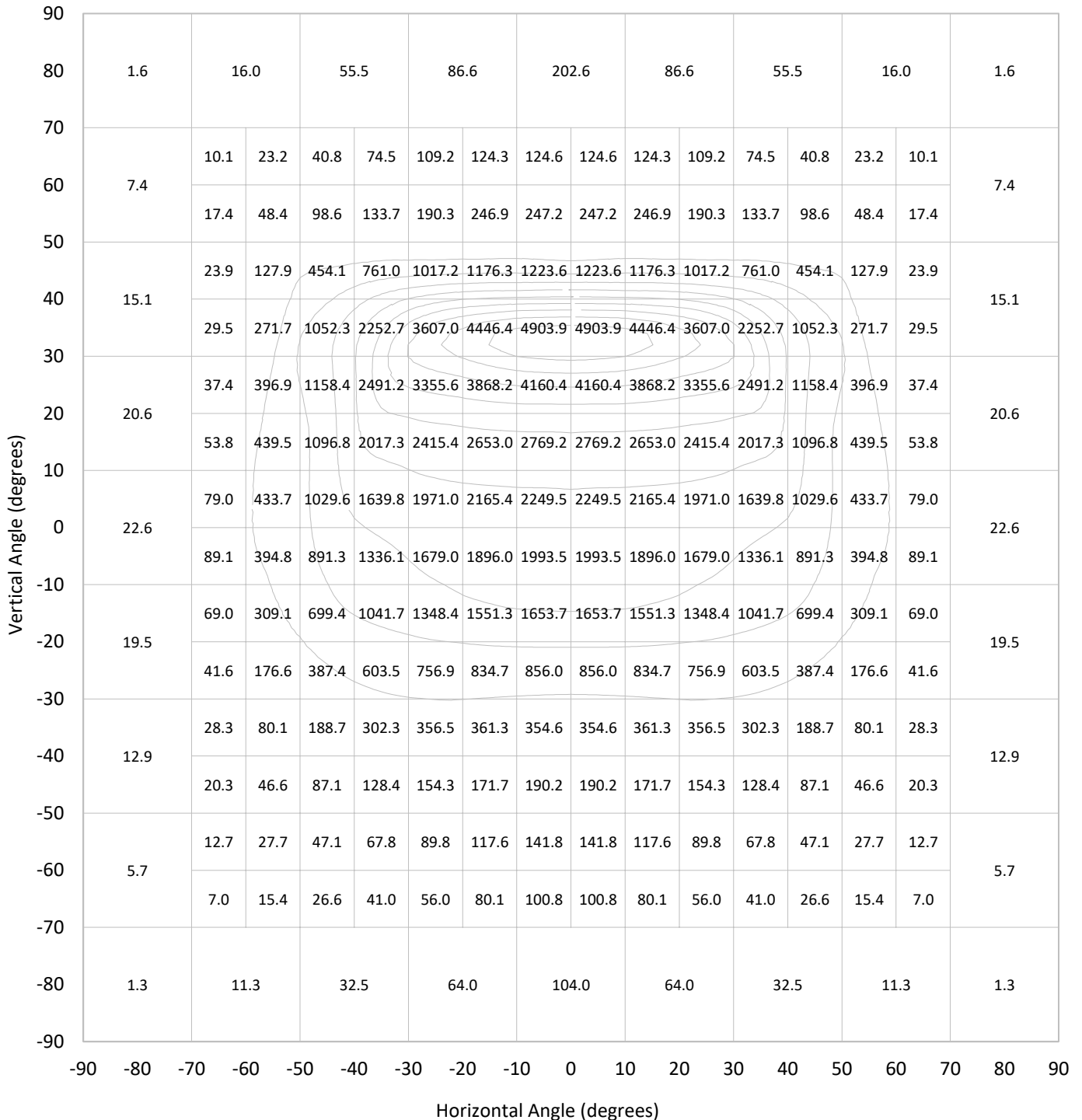
### Iso-Candela Plot





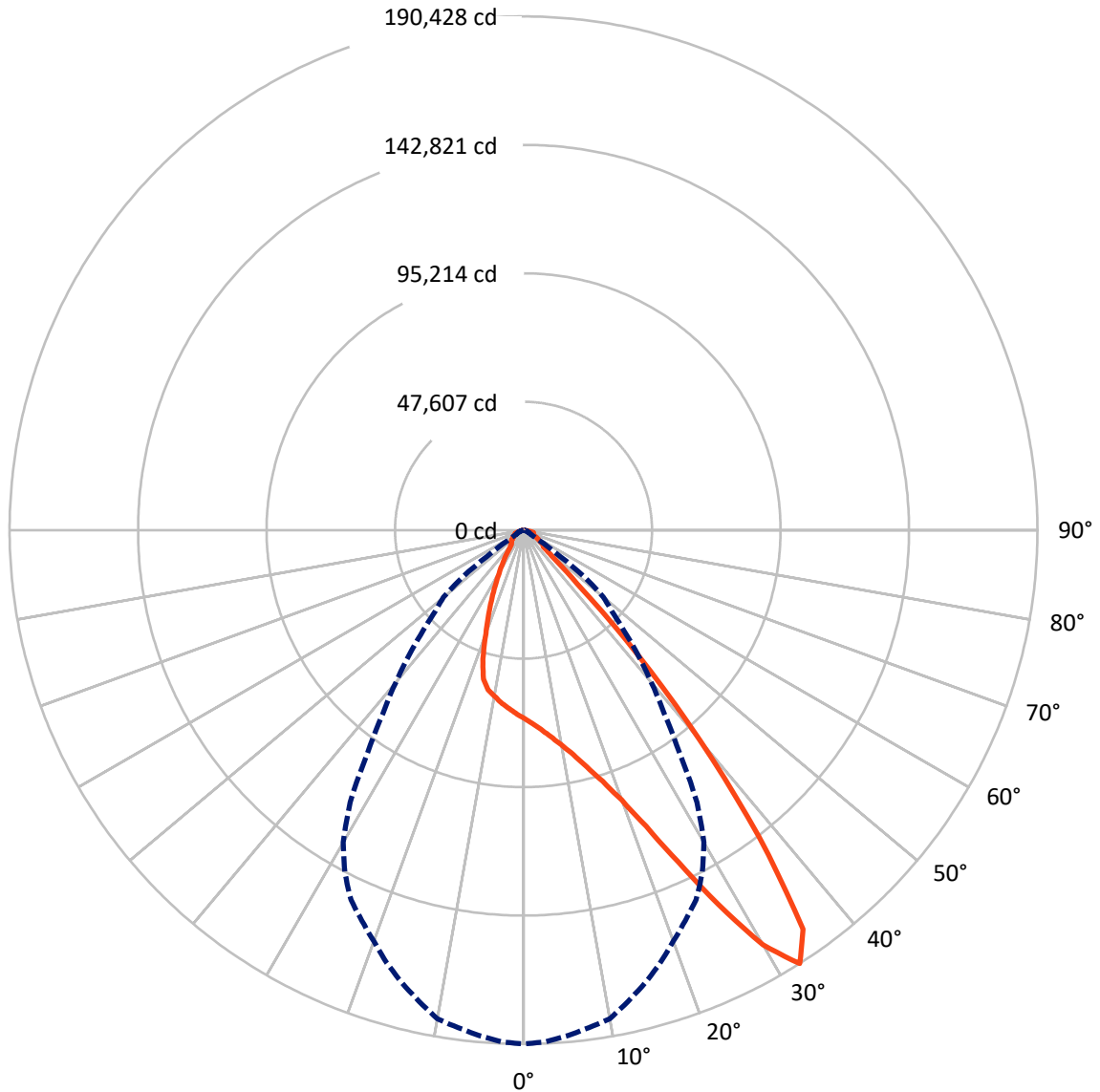
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### Lumen Table



REPORT NUMBER: P902058 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MNB

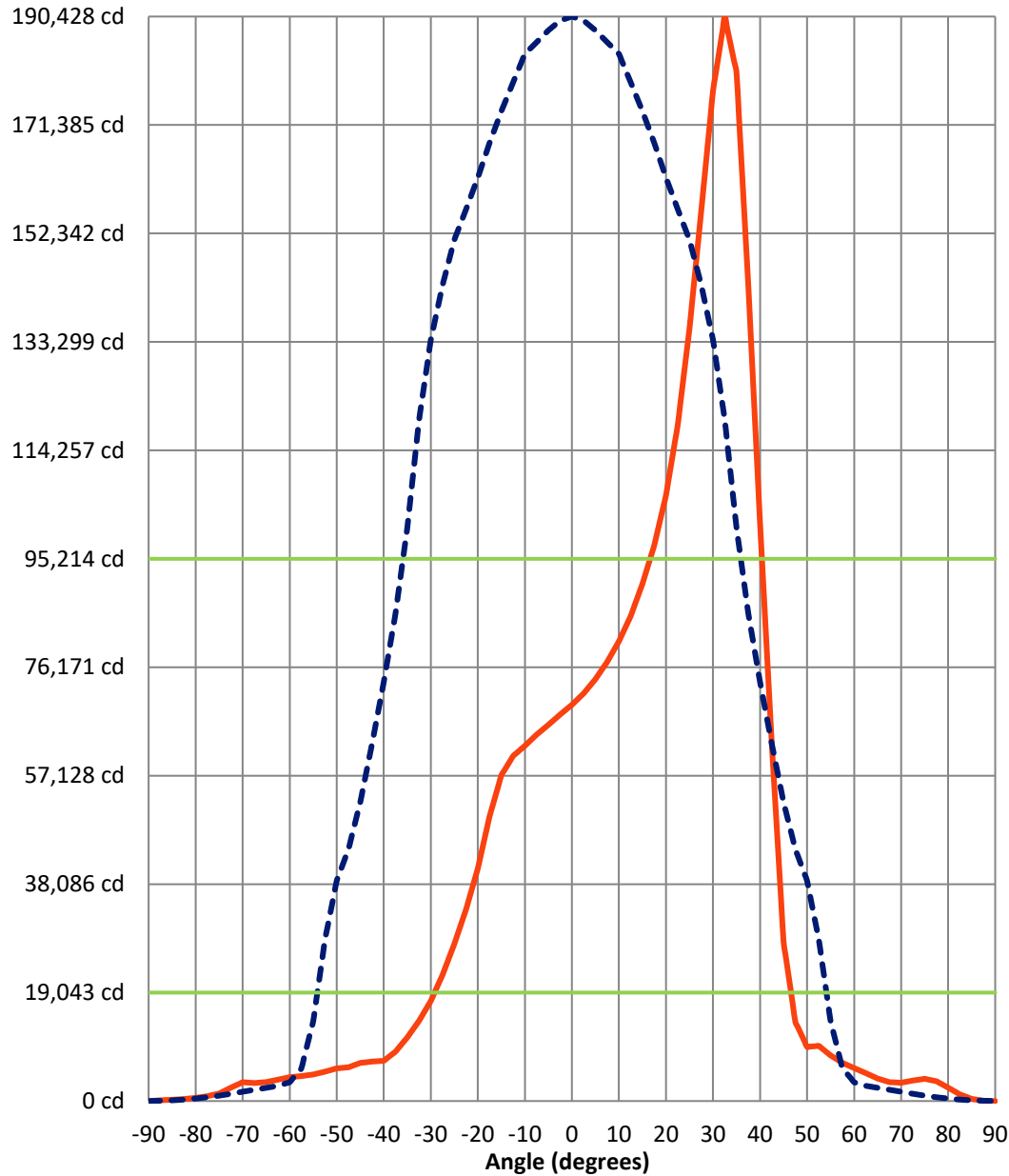
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 71.8°  
 V Angle: 23.8°  
 Lumens: 57968.4  
 Efficiency: 35.5%

**Field:**  
 H Angle: 108.2°  
 V Angle: 75.8°  
 Lumens: 148853.9  
 Efficiency: 91.0%

**Spill:**  
 Lumens: 14655.6  
 Efficiency: 9.0%

- 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	2.7	5.3	8.0	10.5	13.8	16.3	18.9	21.5	19.9	21.1
85°	0.0	5.5	10.7	16.0	20.9	27.6	32.6	37.8	43.0	39.9	45.1
82.5°	0.0	8.2	16.0	24.0	31.4	41.3	48.8	61.4	74.1	81.8	93.5
80°	0.0	10.9	21.3	31.9	41.8	57.2	75.9	94.1	110.0	125.3	148.0
77.5°	0.0	13.6	26.6	39.7	54.3	78.8	103.8	126.6	153.4	190.7	227.2
75°	0.0	16.2	31.8	47.5	70.5	100.1	131.2	170.0	214.0	260.9	313.5
72.5°	0.0	18.8	36.9	58.0	86.3	120.9	168.3	219.2	273.1	347.4	419.6
70°	0.0	21.4	42.0	69.0	101.8	146.8	207.9	267.5	351.1	441.8	528.1
67.5°	0.0	24.0	47.1	79.8	116.9	178.1	246.6	329.9	428.7	539.7	643.5
65°	0.0	26.5	53.2	90.5	136.5	208.7	290.6	392.8	510.0	640.7	764.4
62.5°	0.0	28.9	60.0	101.0	159.9	238.6	340.5	453.6	601.3	744.3	902.0
60°	0.0	31.4	66.7	111.3	182.5	272.7	388.7	529.3	692.7	863.2	1039.2
57.5°	0.0	33.7	73.1	121.8	204.3	312.0	435.2	601.9	787.6	978.1	1185.1
55°	0.0	36.0	79.2	137.8	225.2	350.2	493.2	670.9	880.4	1098.6	1326.8
52.5°	0.0	38.2	85.1	153.2	246.8	387.0	548.8	746.1	968.8	1214.2	1462.3
50°	0.0	40.4	90.7	168.1	274.2	421.6	600.9	819.1	1065.9	1323.5	1589.1
47.5°	0.0	42.4	96.0	182.5	300.7	460.9	650.9	888.7	1161.0	1431.4	1706.9
45°	0.0	44.4	101.0	196.1	326.6	498.5	707.8	960.3	1250.2	1535.5	1820.8
42.5°	0.0	46.3	105.6	209.2	351.1	534.2	762.1	1032.8	1334.7	1634.1	1930.7
40°	0.0	48.2	109.9	220.6	374.1	568.0	813.2	1099.4	1415.2	1725.1	2031.4
37.5°	0.0	49.9	113.9	230.6	395.7	599.7	859.5	1159.9	1491.6	1812.7	2125.9
35°	0.0	51.8	119.6	242.9	419.0	634.2	904.2	1218.5	1564.4	1898.2	2218.5
32.5°	0.0	53.7	125.4	255.4	442.0	668.5	946.6	1275.0	1636.8	1979.9	2320.9
30°	0.0	55.4	130.8	266.7	463.2	700.0	984.8	1325.3	1707.9	2059.3	2416.6
27.5°	0.0	56.9	135.8	276.8	480.8	728.8	1022.1	1369.4	1768.0	2134.1	2510.2
25°	0.0	58.4	140.5	285.7	496.5	754.7	1056.0	1407.3	1815.3	2210.7	2608.3
22.5°	0.0	59.7	144.6	293.4	510.7	777.5	1085.5	1446.8	1858.4	2277.1	2699.3
20°	0.0	60.8	148.2	300.0	523.1	797.0	1112.0	1484.2	1902.1	2334.3	2760.8
17.5°	0.0	61.9	151.4	306.8	533.9	813.9	1138.2	1516.0	1942.9	2383.3	2810.6
15°	0.0	62.7	154.1	313.1	542.8	828.9	1161.1	1545.7	1977.2	2426.4	2913.2
12.5°	0.0	63.5	156.2	318.3	551.7	841.8	1180.0	1575.2	2017.0	2462.9	3129.6
10°	0.0	64.1	157.9	322.5	559.2	852.2	1194.7	1599.8	2061.2	2533.1	3390.8
7.5°	0.0	64.5	159.1	325.6	564.8	859.8	1205.1	1618.6	2099.9	2612.1	3731.7
5°	0.0	64.8	159.8	327.6	568.4	864.2	1210.9	1628.8	2139.4	2697.5	4067.9
2.5°	0.0	65.0	159.9	328.5	570.1	865.4	1212.2	1633.1	2174.9	2785.9	4385.6
0°	0.0	65.0	159.6	328.2	569.8	863.4	1209.1	1631.3	2202.6	2861.3	4660.1
-2.5°	0.0	64.9	159.2	327.3	566.6	858.5	1200.0	1618.6	2204.3	2890.8	4719.0
-5°	0.0	64.7	158.3	325.2	561.5	850.4	1186.7	1599.7	2195.3	2905.7	4702.5
-7.5°	0.0	64.4	157.0	322.1	554.5	839.4	1169.2	1574.7	2173.6	2899.5	4519.2
-10°	0.0	63.9	155.1	317.8	545.8	825.5	1148.9	1549.9	2137.2	2879.9	4246.7
-12.5°	0.0	63.3	152.8	312.5	535.4	809.0	1128.0	1520.4	2089.8	2850.4	3883.3
-15°	0.0	62.5	149.9	306.1	522.8	789.7	1102.9	1485.1	2030.9	2776.6	3462.3
-17.5°	0.0	61.6	146.7	298.6	507.5	768.2	1073.7	1444.6	1961.2	2685.8	3243.2
-20°	0.0	60.6	142.9	290.0	490.7	744.4	1040.4	1398.8	1882.3	2559.3	3110.1



REPORT NUMBER: P902058 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MNB

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	59.5	138.7	279.9	472.5	717.6	1006.4	1347.3	1792.4	2410.8	2976.7
-25°	0.0	58.3	134.1	269.1	453.2	689.4	970.3	1295.7	1695.4	2256.5	2836.3
-27.5°	0.0	56.9	129.0	257.3	432.6	659.5	930.6	1243.6	1618.3	2110.5	2677.4
-30°	0.0	55.4	123.5	244.8	411.1	627.5	887.6	1186.8	1541.2	1984.9	2489.4
-32.5°	0.0	53.8	117.7	231.6	389.7	593.6	841.7	1125.6	1460.7	1859.1	2311.2
-35°	0.0	52.1	111.6	217.6	366.6	557.9	792.5	1061.0	1375.9	1734.7	2141.5
-37.5°	0.0	50.3	105.9	204.3	343.5	522.3	742.4	997.3	1292.6	1621.3	1984.1
-40°	0.0	48.6	102.1	193.9	323.0	489.4	693.7	934.1	1208.2	1513.3	1837.7
-42.5°	0.0	46.8	98.1	183.0	301.7	455.1	642.3	866.6	1118.7	1395.9	1695.8
-45°	0.0	44.9	93.9	171.7	279.6	419.5	587.5	794.6	1024.2	1277.4	1551.6
-47.5°	0.0	42.9	89.5	160.0	256.7	382.6	529.4	721.0	935.2	1160.2	1399.7
-50°	0.0	40.8	85.0	147.8	233.5	344.7	480.1	648.6	838.9	1036.9	1245.6
-52.5°	0.0	38.6	80.2	135.3	209.5	314.8	431.5	573.6	739.8	919.2	1099.7
-55°	0.0	36.4	75.3	122.5	191.1	283.0	381.8	498.8	653.7	808.2	952.1
-57.5°	0.0	34.1	70.1	109.2	173.6	250.7	332.1	442.7	569.0	702.0	834.0
-60°	0.0	31.7	64.9	100.8	155.7	218.2	295.4	386.7	489.3	613.0	719.3
-62.5°	0.0	29.3	59.5	92.6	137.4	190.9	258.0	330.2	424.5	523.9	620.6
-65°	0.0	26.8	53.9	84.2	118.6	167.8	219.8	285.5	357.7	443.5	527.6
-67.5°	0.0	24.3	48.5	75.7	103.1	144.5	187.1	239.5	298.2	364.5	438.8
-70°	0.0	21.7	43.4	66.9	91.4	120.9	159.4	194.4	243.9	294.9	351.6
-72.5°	0.0	19.1	38.1	58.0	79.5	101.7	131.2	161.2	191.0	234.1	278.7
-75°	0.0	16.4	32.8	49.2	67.4	86.5	105.2	127.6	153.4	179.7	211.8
-77.5°	0.0	13.7	27.5	41.1	55.2	71.0	86.6	98.7	115.5	138.0	160.1
-80°	0.0	11.0	22.0	33.0	43.9	55.3	67.8	78.3	88.6	99.5	113.9
-82.5°	0.0	8.3	16.6	24.8	33.0	41.1	49.2	58.0	66.2	74.3	82.3
-85°	0.0	5.5	11.1	16.6	22.0	27.5	32.8	38.5	43.9	49.1	54.3
-87.5°	0.0	2.8	5.5	8.3	11.0	13.7	16.4	19.3	22.0	24.6	27.1
-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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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MNB

**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°	21.3	23.6	25.3	27.0	28.7	30.3	31.8	33.3	33.7	35.5	36.7
85°	50.9	58.2	66.5	74.7	82.3	89.6	96.6	103.1	103.3	104.4	110.4
82.5°	103.3	109.7	123.2	142.7	160.3	177.2	193.6	209.8	220.7	227.7	242.5
80°	173.0	192.3	215.5	237.9	262.2	293.0	322.0	353.8	388.1	412.3	441.6
77.5°	258.3	289.3	327.6	362.8	399.3	437.4	482.5	537.6	608.1	669.2	731.1
75°	367.3	416.1	459.2	513.9	570.2	630.2	678.4	763.8	887.8	999.5	1144.2
72.5°	483.3	553.5	625.3	694.0	760.2	838.8	916.3	1028.7	1195.5	1362.7	1557.3
70°	615.3	699.1	786.6	871.8	954.9	1064.7	1175.3	1306.1	1481.5	1698.4	1939.5
67.5°	748.4	848.8	943.3	1065.2	1175.9	1305.2	1432.3	1563.3	1726.8	1964.4	2281.9
65°	897.7	1008.8	1143.1	1276.6	1430.8	1570.5	1696.1	1820.1	1967.0	2188.5	2536.9
62.5°	1054.7	1210.9	1372.6	1556.7	1728.5	1889.4	2003.0	2143.1	2279.1	2481.7	2720.7
60°	1225.3	1414.8	1635.1	1881.1	2088.1	2293.9	2434.0	2592.5	2753.2	2926.5	3117.7
57.5°	1391.6	1615.4	1901.3	2247.2	2534.7	2804.0	3004.7	3194.2	3364.3	3552.4	3776.3
55°	1552.1	1801.7	2138.8	2623.7	3067.6	3491.6	3933.7	4051.7	4272.8	4411.2	4661.5
52.5°	1703.4	1972.5	2353.5	2938.3	3685.3	5082.1	5607.8	5663.9	5739.9	5797.7	6008.7
50°	1846.9	2146.8	2551.9	3245.6	5441.7	7735.3	8518.8	8406.0	8249.4	8417.3	8623.9
47.5°	1982.8	2310.1	2763.9	4084.9	7551.1	11447.1	13169.5	13270.1	13279.4	14089.0	14490.1
45°	2114.2	2469.8	3045.3	4822.5	10211.4	16439.6	19075.6	19711.9	21600.2	23763.0	25359.8
42.5°	2235.3	2616.1	3344.3	6261.4	13351.8	21570.2	25306.6	27499.6	31455.8	36126.6	40526.1
40°	2363.8	2740.0	3649.3	7297.4	16192.9	26408.2	31424.0	35405.0	41807.9	49242.0	56565.6
37.5°	2484.8	2831.3	4231.7	9281.2	20227.6	31334.9	36910.3	42470.5	51089.2	60103.3	69574.6
35°	2588.9	2994.1	4559.6	10624.6	24379.2	36163.4	41405.1	48922.7	58368.4	68525.3	79530.6
32.5°	2677.3	3307.6	5796.5	14032.3	28325.5	38679.7	44245.7	52480.4	62701.1	73578.4	85643.1
30°	2773.2	3581.1	6541.0	16735.1	31857.2	39800.3	45084.8	53506.7	63611.1	74751.3	87970.3
27.5°	2923.5	4089.1	8501.9	19729.2	32938.9	39342.9	44553.8	52835.7	63048.9	74447.7	89151.5
25°	3162.1	4886.3	10674.0	22960.9	33787.9	38008.2	43470.6	51774.0	62203.2	73619.2	89981.3
22.5°	3398.0	5600.9	12836.4	25691.6	34173.4	36756.4	42376.0	50955.5	61430.0	73832.2	88647.0
20°	3624.0	6384.4	15295.4	26993.2	32798.9	35532.0	41198.3	50151.9	60650.5	73120.3	86715.6
17.5°	3995.2	8139.9	17888.2	27838.1	31283.3	34102.1	40255.1	49674.2	60310.0	72354.4	82751.1
15°	4605.2	9858.4	20019.3	28184.1	29715.5	33168.6	40178.8	49542.6	59863.9	71452.8	79399.7
12.5°	5335.0	11430.4	21711.7	27809.7	28686.4	32738.6	40264.2	49406.8	59260.3	69491.4	75108.6
10°	6073.5	12918.6	22867.3	26545.2	27881.1	32640.9	40424.0	49095.7	58488.1	66982.4	71341.1
7.5°	6965.5	14235.6	22974.4	25471.5	27444.0	32746.3	40532.2	48599.1	57276.4	64294.6	67794.7
5°	7839.0	15366.9	22627.2	24610.1	27161.1	32918.4	40368.4	47695.5	55520.9	61321.0	64251.4
2.5°	8665.1	16159.7	22014.5	23798.1	26936.1	33002.1	39869.8	46504.6	53396.2	58184.7	60810.7
0°	9391.4	16689.8	21231.2	22965.2	26661.7	32911.6	39116.7	45021.8	50976.9	55069.4	57566.0
-2.5°	9675.1	16603.2	20248.8	22036.0	26181.2	32625.6	38174.8	43356.5	48383.7	51950.8	54426.1
-5°	9783.1	16289.4	19293.6	21045.8	25388.7	32028.9	37084.8	41551.1	45840.8	49001.9	51475.0
-7.5°	9435.8	15642.9	18388.9	19997.4	24272.8	30995.3	35857.2	39629.6	43324.3	46159.3	48573.5
-10°	8914.1	14837.3	17701.3	19014.4	22877.3	29543.8	34583.0	37757.3	40986.7	43646.4	45992.2
-12.5°	8090.2	13857.8	16918.6	18117.1	21493.3	27682.1	33170.0	36306.4	39026.4	41601.4	43783.2
-15°	7117.3	12323.1	15874.3	17309.2	19468.3	24961.4	30771.8	34057.7	36446.7	38920.0	40973.8
-17.5°	5843.5	10502.9	14210.0	15726.2	17505.8	21156.9	26820.0	30128.8	32256.8	34227.4	36068.5
-20°	4911.8	8476.3	12102.1	14068.8	15329.8	17893.2	21907.0	25516.8	27503.3	29114.4	30677.0



REPORT NUMBER: P902058 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MNB

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	4232.5	6777.3	10041.6	12418.0	13618.2	15202.0	17995.0	21212.7	23571.5	25209.9	26545.9
-25°	3647.3	5486.3	7961.5	10359.6	11983.0	13266.0	15025.3	17523.6	19901.4	21740.3	22965.9
-27.5°	3182.1	4404.4	6165.5	8249.5	10082.5	11584.1	12965.8	14646.1	16527.8	18254.2	19614.5
-30°	2935.2	3728.6	4784.9	6358.0	8099.4	9761.1	11158.4	12514.5	13912.6	15316.5	16572.8
-32.5°	2741.9	3302.3	4053.9	5057.4	6326.1	7797.1	9285.0	10706.4	11982.4	13061.8	13970.7
-35°	2536.9	2956.1	3463.4	4119.1	4989.7	6071.6	7361.2	8700.4	9898.4	10898.2	11649.5
-37.5°	2339.4	2700.0	3122.5	3623.1	4209.6	4942.5	5764.9	6642.6	7649.1	8564.3	9194.5
-40°	2153.6	2469.2	2815.5	3202.9	3652.8	4180.9	4757.0	5349.5	5905.1	6478.6	7051.3
-42.5°	1975.7	2261.9	2564.9	2897.8	3273.4	3686.6	4118.8	4544.6	4940.1	5309.0	5673.2
-45°	1816.1	2069.2	2330.9	2612.3	2936.8	3291.7	3664.9	4016.8	4322.6	4645.7	4922.9
-47.5°	1643.7	1867.7	2100.8	2349.4	2610.0	2901.2	3204.1	3493.1	3771.1	3961.6	4078.7
-50°	1459.3	1657.7	1854.5	2059.4	2271.1	2501.1	2711.5	2930.5	3101.5	3225.8	3327.3
-52.5°	1272.5	1445.5	1614.7	1773.9	1941.5	2129.2	2279.0	2450.0	2614.7	2742.7	2868.4
-55°	1108.5	1258.1	1388.5	1538.0	1681.1	1832.2	1975.7	2108.2	2275.1	2417.7	2548.4
-57.5°	960.1	1093.6	1224.0	1350.4	1483.1	1612.9	1745.1	1869.5	2012.9	2152.8	2283.3
-60°	834.7	952.1	1069.1	1187.8	1309.6	1427.4	1547.0	1658.4	1779.4	1904.0	2032.6
-62.5°	722.2	824.4	924.7	1025.9	1128.4	1235.3	1341.3	1440.4	1541.8	1656.6	1779.1
-65°	616.8	702.7	784.6	864.0	953.1	1039.8	1136.1	1220.3	1320.4	1421.7	1535.9
-67.5°	512.9	584.3	643.8	712.5	786.8	857.4	937.9	1005.4	1088.7	1181.7	1283.7
-70°	415.1	465.1	513.6	574.3	632.1	691.1	751.0	804.7	869.5	940.6	1017.6
-72.5°	316.9	358.9	401.0	448.2	498.6	543.5	584.1	627.0	672.3	722.0	775.9
-75°	245.5	269.9	301.9	343.9	380.7	414.8	450.6	477.1	502.9	534.8	569.3
-77.5°	179.7	199.5	226.5	253.5	278.1	294.6	323.0	343.0	360.3	383.3	407.7
-80°	131.5	146.7	161.1	176.8	191.6	207.1	223.9	236.0	246.4	259.2	283.2
-82.5°	91.8	100.8	107.0	119.3	131.3	141.1	150.0	157.7	166.1	173.4	185.3
-85°	61.3	66.8	72.4	77.7	86.6	92.5	96.5	100.9	106.4	110.1	113.4
-87.5°	30.7	33.2	36.9	39.4	47.0	51.1	53.7	56.2	58.5	60.8	62.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902058 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MNB

**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°	39.1	41.6	43.7	45.3	43.8	43.8	45.0	51.1	52.2	50.7	50.2
85°	115.1	119.5	127.1	128.7	133.7	140.1	150.0	165.3	179.4	206.0	245.4
82.5°	252.1	259.7	268.7	280.0	289.9	301.6	335.0	370.7	420.5	512.3	670.0
80°	461.0	473.9	492.5	510.7	506.9	516.8	574.4	642.2	735.4	949.5	1333.2
77.5°	774.1	785.5	783.8	765.4	751.4	757.1	790.7	890.9	1013.9	1277.3	1788.3
75°	1261.3	1257.5	1162.6	1076.5	1043.4	1041.5	1070.0	1153.3	1294.2	1503.1	1884.2
72.5°	1811.3	1915.3	1775.7	1588.9	1474.4	1430.4	1445.5	1497.7	1605.1	1741.0	1942.1
70°	2284.7	2605.6	2595.4	2342.1	2105.1	1999.3	1976.0	2005.3	2095.6	2203.9	2294.0
67.5°	2656.6	3162.9	3460.0	3291.7	2982.6	2854.4	2871.8	2951.6	3015.9	3066.7	3113.6
65°	2956.6	3485.2	4054.4	4280.1	4015.0	3896.4	4055.3	4210.5	4219.0	4229.0	4225.1
62.5°	3138.6	3727.9	4360.2	4808.9	4863.5	4926.7	5290.1	5548.3	5396.7	5291.1	5230.5
60°	3417.5	4005.9	4639.5	5188.4	5526.2	5841.2	6373.7	6862.2	6677.1	6399.1	6198.5
57.5°	4015.6	4489.1	4999.5	5545.8	6064.2	6541.0	7028.0	7643.3	7831.4	7487.6	7160.5
55°	4930.5	5305.9	5709.0	6100.4	6597.9	7242.7	7757.3	8245.0	8592.4	8646.7	8539.7
52.5°	6071.0	6432.3	6712.6	7071.5	7463.9	8066.3	8586.9	9044.4	9502.6	9741.1	9745.0
50°	8479.0	8778.8	8597.6	8903.8	8907.3	9320.5	9640.1	9904.6	10254.8	10243.3	10185.4
47.5°	14848.4	15160.1	14523.0	14793.0	13980.3	14497.7	14688.9	14197.6	14790.0	15132.8	15272.0
45°	27168.5	28242.4	28539.2	29627.5	29352.5	30563.7	31012.2	30934.3	31414.3	31939.1	31878.8
42.5°	44733.4	48272.6	51249.2	53663.1	55220.8	57733.1	58195.7	59720.1	60855.8	59759.0	60307.7
40°	63754.5	70784.4	76870.6	82254.8	87181.8	91048.7	94756.9	96331.6	98259.3	99564.9	99946.8
37.5°	79583.7	89472.7	100240.2	109828.1	117397.6	123936.7	128323.9	132263.8	134989.9	137893.3	141053.1
35°	91692.3	106115.9	121444.7	132877.1	142843.3	148715.9	155366.7	160410.5	167252.6	170577.1	175401.5
32.5°	100668.6	119567.3	133648.8	143273.2	151208.8	156597.6	162152.2	168253.0	173801.9	178866.2	183868.9
30°	106174.3	123259.2	133952.4	140542.0	145634.8	149663.6	154126.8	158950.9	163810.3	167999.8	171609.3
27.5°	107052.5	119922.2	126357.4	130071.9	133698.6	136498.1	139667.3	143527.3	146930.1	149702.6	152319.4
25°	105245.7	112763.4	115922.6	118733.5	121273.9	123107.6	125325.4	127941.8	130284.2	132176.5	133795.9
22.5°	99423.9	103913.8	105962.9	108199.6	110008.2	111165.5	112829.1	114631.3	116161.2	117240.0	118212.7
20°	93642.2	95805.8	97247.5	99179.9	100526.9	101290.8	102549.7	103809.0	104750.2	105431.1	105854.8
17.5°	87299.0	88743.9	90166.6	91927.8	92885.2	93617.0	94440.0	95412.1	96043.0	96460.9	96827.7
15°	81893.3	83037.2	84582.2	86083.4	86885.6	87484.3	88190.5	88830.6	89284.2	89715.2	89941.2
12.5°	77109.1	78297.3	79839.6	81317.3	82031.3	82607.2	83155.0	83529.7	83901.8	84221.4	84650.7
10°	73064.4	74187.4	75886.9	77331.1	78020.0	78749.6	79097.0	79416.5	79557.7	79893.0	80291.7
7.5°	69348.0	70624.8	72372.7	73769.1	74560.4	75252.3	75737.9	76029.8	76236.0	76446.5	76638.9
5°	65832.0	67280.3	69068.9	70547.1	71450.8	72198.5	72870.4	73307.7	73503.1	73601.1	73664.7
2.5°	62512.9	64110.7	66025.9	67613.1	68503.3	69367.3	70180.5	70746.1	71078.2	71226.7	71276.6
0°	59319.8	61017.7	63091.5	64677.4	65671.7	66636.0	67584.0	68258.4	68764.8	69093.2	69264.3
-2.5°	56308.8	58145.7	60270.2	62108.1	63287.3	64287.0	65269.7	66027.4	66575.8	67003.5	67277.5
-5°	53476.0	55493.6	57768.2	59873.2	61088.7	62088.0	63102.9	63979.2	64575.7	65090.4	65455.7
-7.5°	50740.1	52881.7	55232.2	57418.3	58941.2	59953.8	61025.6	61948.2	62700.6	63318.0	63783.3
-10°	48175.8	50323.4	52624.0	54854.1	56393.1	57560.1	58745.5	59649.2	60475.4	61144.6	61689.2
-12.5°	45950.7	48055.2	50300.1	52657.1	54232.3	55320.3	56495.4	57523.1	58336.7	59063.0	59618.3
-15°	43168.7	45048.5	47101.8	49228.4	50909.9	52044.3	53136.8	54111.5	54903.2	55598.5	56330.5
-17.5°	37880.7	39604.1	41396.8	43204.9	44802.5	45611.6	46628.2	47378.2	48051.3	48600.0	49163.1
-20°	32061.2	33399.3	34666.8	36135.7	37369.9	38084.8	38644.1	39293.1	39829.6	40193.6	40551.7



REPORT NUMBER: P902058 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MNB

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	27693.7	28757.7	29772.2	30863.1	31821.8	32386.9	32757.9	33069.6	33397.6	33563.5	33620.7
-25°	24101.8	25001.7	25782.9	26579.3	27339.4	27716.3	27856.3	28103.4	28120.0	28012.7	27916.4
-27.5°	20647.0	21453.5	22056.0	22600.3	23116.6	23398.0	23376.3	23302.0	23125.3	22901.6	22673.8
-30°	17503.2	18190.0	18649.4	18937.4	19253.4	19377.2	19196.9	18944.2	18673.2	18367.7	18137.1
-32.5°	14740.0	15286.4	15684.0	15852.7	15884.9	15897.8	15698.5	15336.3	15099.3	14838.6	14588.2
-35°	12201.9	12559.3	12810.9	12838.7	12775.8	12673.3	12474.0	12178.9	11906.9	11691.9	11488.0
-37.5°	9617.8	9820.1	9971.8	9903.2	9726.4	9716.8	9554.5	9351.5	9072.8	8989.5	8916.9
-40°	7431.5	7620.7	7697.4	7712.6	7615.5	7593.6	7435.7	7440.1	7256.9	7206.4	7175.5
-42.5°	6022.9	6204.1	6277.8	6379.2	6361.1	6465.3	6439.8	6493.0	6426.1	6403.6	6535.5
-45°	5126.1	5302.9	5444.4	5504.5	5610.3	5627.0	5723.7	5740.7	5854.9	5925.1	6047.9
-47.5°	4214.9	4315.3	4412.3	4533.6	4598.5	4687.6	4848.3	4987.1	5115.4	5218.2	5342.7
-50°	3401.5	3548.8	3673.9	3836.2	3959.8	4103.6	4294.2	4463.8	4587.4	4774.3	5008.9
-52.5°	2971.5	3112.4	3244.1	3387.1	3518.7	3707.5	3898.3	4069.8	4221.9	4492.8	4720.6
-55°	2656.0	2798.8	2926.0	3060.3	3206.7	3363.8	3520.5	3674.2	3933.5	4214.2	4347.5
-57.5°	2411.2	2547.7	2676.6	2810.4	2947.9	3062.6	3183.0	3404.0	3766.8	4002.6	4247.5
-60°	2174.0	2305.1	2427.5	2546.9	2658.6	2747.7	2891.2	3201.3	3565.2	3824.1	4008.2
-62.5°	1916.6	2040.5	2151.3	2244.5	2332.0	2413.4	2610.0	2928.9	3240.8	3445.8	3551.1
-65°	1656.3	1768.9	1856.1	1928.7	2000.2	2103.2	2318.3	2582.1	2800.7	2942.7	3055.4
-67.5°	1375.4	1475.2	1551.2	1619.6	1686.5	1797.6	1993.0	2171.7	2300.5	2426.9	2595.1
-70°	1090.6	1168.8	1239.4	1299.8	1357.9	1441.6	1579.9	1711.8	1824.7	1947.6	2092.9
-72.5°	832.7	892.1	952.0	1006.5	1052.5	1105.5	1180.6	1280.5	1379.1	1472.2	1583.3
-75°	615.5	662.8	706.2	747.3	783.2	819.7	859.6	922.0	995.4	1056.2	1125.7
-77.5°	435.0	465.7	493.6	524.4	553.8	578.5	603.0	632.8	675.8	705.7	755.4
-80°	303.4	319.2	334.3	352.2	375.2	393.2	407.1	430.7	446.5	459.9	492.0
-82.5°	199.6	212.2	225.2	235.7	252.3	265.8	277.1	283.4	293.9	304.8	313.1
-85°	122.3	132.6	143.5	150.3	161.5	168.1	182.3	185.3	193.2	198.0	200.3
-87.5°	66.0	72.5	77.3	78.9	82.2	83.8	98.1	99.5	106.9	113.7	117.2
-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: P902058 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MNB

**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°	51.4	54.0	56.5	57.3	56.5	54.0	51.4	50.2	50.7	52.2	51.1
85°	294.1	339.3	370.1	383.1	370.1	339.3	294.1	245.4	206.0	179.4	165.3
82.5°	859.1	1029.4	1133.7	1166.1	1133.7	1029.4	859.1	670.0	512.3	420.5	370.7
80°	1791.9	2165.8	2346.2	2353.6	2346.2	2165.8	1791.9	1333.2	949.5	735.4	642.2
77.5°	2382.4	2913.5	3371.0	3477.1	3371.0	2913.5	2382.4	1788.3	1277.3	1013.9	890.9
75°	2515.0	3228.2	3680.7	3901.6	3680.7	3228.2	2515.0	1884.2	1503.1	1294.2	1153.3
72.5°	2304.5	2795.1	3249.5	3599.7	3249.5	2795.1	2304.5	1942.1	1741.0	1605.1	1497.7
70°	2328.3	2365.3	2730.8	3218.3	2730.8	2365.3	2328.3	2294.0	2203.9	2095.6	2005.3
67.5°	3088.3	2985.9	3067.4	3322.8	3067.4	2985.9	3088.3	3113.6	3066.7	3015.9	2951.6
65°	4157.8	4035.7	3961.3	3954.3	3961.3	4035.7	4157.8	4225.1	4229.0	4219.0	4210.5
62.5°	5146.9	5035.3	4938.0	4894.9	4938.0	5035.3	5146.9	5230.5	5291.1	5396.7	5548.3
60°	6045.0	5920.0	5828.8	5791.7	5828.8	5920.0	6045.0	6198.5	6399.1	6677.1	6862.2
57.5°	6989.4	6847.2	6756.2	6726.1	6756.2	6847.2	6989.4	7160.5	7487.6	7831.4	7643.3
55°	8351.9	8148.6	8047.3	8015.4	8047.3	8148.6	8351.9	8539.7	8646.7	8592.4	8245.0
52.5°	9682.7	9658.3	9668.5	9685.3	9668.5	9658.3	9682.7	9745.0	9741.1	9502.6	9044.4
50°	9973.2	9710.6	9538.3	9513.8	9538.3	9710.6	9973.2	10185.4	10243.3	10254.8	9904.6
47.5°	14883.3	14647.2	14238.8	13931.9	14238.8	14647.2	14883.3	15272.0	15132.8	14790.0	14197.6
45°	30875.1	29469.4	28529.9	28042.7	28529.9	29469.4	30875.1	31878.8	31939.1	31414.3	30934.3
42.5°	61173.1	62107.3	62782.5	62696.5	62782.5	62107.3	61173.1	60307.7	59759.0	60855.8	59720.1
40°	100349.5	100812.3	101442.4	101514.3	101442.4	100812.3	100349.5	99946.8	99564.9	98259.3	96331.6
37.5°	142320.8	142497.4	143104.9	143281.5	143104.9	142497.4	142320.8	141053.1	137893.3	134989.9	132263.8
35°	178252.1	179282.1	180297.6	180557.9	180297.6	179282.1	178252.1	175401.5	170577.1	167252.6	160410.5
32.5°	185920.6	187993.6	189726.8	190427.6	189726.8	187993.6	185920.6	183868.9	178866.2	173801.9	168253.0
30°	173945.3	175557.0	176872.0	177369.7	176872.0	175557.0	173945.3	171609.3	167999.8	163810.3	158950.9
27.5°	154234.8	155178.0	155827.3	156312.0	155827.3	155178.0	154234.8	152319.4	149702.6	146930.1	143527.3
25°	134546.2	134965.3	135309.0	135651.3	135309.0	134965.3	134546.2	133795.9	132176.5	130284.2	127941.8
22.5°	118668.5	118623.2	118675.5	118701.1	118675.5	118623.2	118668.5	118212.7	117240.0	116161.2	114631.3
20°	106240.9	106179.0	106232.7	106359.9	106232.7	106179.0	106240.9	105854.8	105431.1	104750.2	103809.0
17.5°	97131.5	97002.7	97184.9	97556.1	97184.9	97002.7	97131.5	96827.7	96460.9	96043.0	95412.1
15°	90247.0	90152.4	90308.1	90828.9	90308.1	90152.4	90247.0	89941.2	89715.2	89284.2	88830.6
12.5°	84762.5	84626.9	84807.6	85161.0	84807.6	84626.9	84762.5	84650.7	84221.4	83901.8	83529.7
10°	80368.7	80282.2	80482.8	80744.3	80482.8	80282.2	80368.7	80291.7	79893.0	79557.7	79416.5
7.5°	76727.0	76748.0	76889.0	77111.3	76889.0	76748.0	76727.0	76638.9	76446.5	76236.0	76029.8
5°	73750.7	73793.0	73922.2	74077.7	73922.2	73793.0	73750.7	73664.7	73601.1	73503.1	73307.7
2.5°	71264.2	71346.1	71444.5	71580.2	71444.5	71346.1	71264.2	71276.6	71226.7	71078.2	70746.1
0°	69269.1	69284.8	69401.7	69577.2	69401.7	69284.8	69269.1	69264.3	69093.2	68764.8	68258.4
-2.5°	67342.0	67477.4	67641.2	67864.2	67641.2	67477.4	67342.0	67277.5	67003.5	66575.8	66027.4
-5°	65641.5	65732.9	65858.5	66063.4	65858.5	65732.9	65641.5	65455.7	65090.4	64575.7	63979.2
-7.5°	64001.4	64076.0	64282.0	64337.7	64282.0	64076.0	64001.4	63783.3	63318.0	62700.6	61948.2
-10°	61990.1	62174.5	62382.5	62375.2	62382.5	62174.5	61990.1	61689.2	61144.6	60475.4	59649.2
-12.5°	59933.8	60292.6	60540.3	60584.3	60540.3	60292.6	59933.8	59618.3	59063.0	58336.7	57523.1
-15°	56476.3	56881.4	57185.9	57194.6	57185.9	56881.4	56476.3	56330.5	55598.5	54903.2	54111.5
-17.5°	49439.6	49966.0	50001.2	50000.8	50001.2	49966.0	49439.6	49163.1	48600.0	48051.3	47378.2
-20°	40742.9	40858.7	40853.8	40856.6	40853.8	40858.7	40742.9	40551.7	40193.6	39829.6	39293.1



REPORT NUMBER: P902058 (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°	33609.7	33655.8	33688.3	33672.7	33688.3	33655.8	33609.7	33620.7	33563.5	33397.6	33069.6
-25°	27747.4	27640.8	27603.8	27586.6	27603.8	27640.8	27747.4	27916.4	28012.7	28120.0	28103.4
-27.5°	22453.6	22270.6	22214.9	22170.8	22214.9	22270.6	22453.6	22673.8	22901.6	23125.3	23302.0
-30°	17967.4	17779.4	17646.6	17571.3	17646.6	17779.4	17967.4	18137.1	18367.7	18673.2	18944.2
-32.5°	14409.7	14258.0	14142.4	14085.9	14142.4	14258.0	14409.7	14588.2	14838.6	15099.3	15336.3
-35°	11369.7	11277.1	11203.6	11173.0	11203.6	11277.1	11369.7	11488.0	11691.9	11906.9	12178.9
-37.5°	8781.9	8733.4	8734.8	8681.9	8734.8	8733.4	8781.9	8916.9	8989.5	9072.8	9351.5
-40°	7121.4	7093.9	7049.3	7068.2	7049.3	7093.9	7121.4	7175.5	7206.4	7256.9	7440.1
-42.5°	6635.6	6719.5	6871.3	6929.4	6871.3	6719.5	6635.6	6535.5	6403.6	6426.1	6493.0
-45°	6176.5	6425.3	6615.8	6688.0	6615.8	6425.3	6176.5	6047.9	5925.1	5854.9	5740.7
-47.5°	5515.7	5733.3	5878.8	5930.2	5878.8	5733.3	5515.7	5342.7	5218.2	5115.4	4987.1
-50°	5226.4	5515.0	5688.8	5738.0	5688.8	5515.0	5226.4	5008.9	4774.3	4587.4	4463.8
-52.5°	4878.3	5035.3	5124.4	5158.4	5124.4	5035.3	4878.3	4720.6	4492.8	4221.9	4069.8
-55°	4532.9	4612.4	4646.2	4663.8	4646.2	4612.4	4532.9	4347.5	4214.2	3933.5	3674.2
-57.5°	4370.4	4384.7	4387.7	4387.4	4387.7	4384.7	4370.4	4247.5	4002.6	3766.8	3404.0
-60°	4081.0	4128.7	4173.3	4190.8	4173.3	4128.7	4081.0	4008.2	3824.1	3565.2	3201.3
-62.5°	3631.9	3717.5	3765.6	3759.8	3765.6	3717.5	3631.9	3551.1	3445.8	3240.8	2928.9
-65°	3190.9	3325.1	3366.7	3329.7	3366.7	3325.1	3190.9	3055.4	2942.7	2800.7	2582.1
-67.5°	2794.5	2996.0	3118.8	3166.1	3118.8	2996.0	2794.5	2595.1	2426.9	2300.5	2171.7
-70°	2325.4	2636.3	3005.8	3300.2	3005.8	2636.3	2325.4	2092.9	1947.6	1824.7	1711.8
-72.5°	1759.3	2345.1	2672.1	2355.9	2672.1	2345.1	1759.3	1583.3	1472.2	1379.1	1280.5
-75°	1188.2	1329.7	1397.2	1329.8	1397.2	1329.7	1188.2	1125.7	1056.2	995.4	922.0
-77.5°	796.9	831.6	849.9	852.8	849.9	831.6	796.9	755.4	705.7	675.8	632.8
-80°	518.1	552.5	575.8	564.3	575.8	552.5	518.1	492.0	459.9	446.5	430.7
-82.5°	331.3	344.0	353.4	354.2	353.4	344.0	331.3	313.1	304.8	293.9	283.4
-85°	210.6	224.9	231.3	231.7	231.3	224.9	210.6	200.3	198.0	193.2	185.3
-87.5°	121.5	129.5	136.2	136.2	136.2	129.5	121.5	117.2	113.7	106.9	99.5
-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):**

	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°	45.0	43.8	43.8	45.3	43.7	41.6	39.1	36.7	35.5	33.7	33.3
85°	150.0	140.1	133.7	128.7	127.1	119.5	115.1	110.4	104.4	103.3	103.1
82.5°	335.0	301.6	289.9	280.0	268.7	259.7	252.1	242.5	227.7	220.7	209.8
80°	574.4	516.8	506.9	510.7	492.5	473.9	461.0	441.6	412.3	388.1	353.8
77.5°	790.7	757.1	751.4	765.4	783.8	785.5	774.1	731.1	669.2	608.1	537.6
75°	1070.0	1041.5	1043.4	1076.5	1162.6	1257.5	1261.3	1144.2	999.5	887.8	763.8
72.5°	1445.5	1430.4	1474.4	1588.9	1775.7	1915.3	1811.3	1557.3	1362.7	1195.5	1028.7
70°	1976.0	1999.3	2105.1	2342.1	2595.4	2605.6	2284.7	1939.5	1698.4	1481.5	1306.1
67.5°	2871.8	2854.4	2982.6	3291.7	3460.0	3162.9	2656.6	2281.9	1964.4	1726.8	1563.3
65°	4055.3	3896.4	4015.0	4280.1	4054.4	3485.2	2956.6	2536.9	2188.5	1967.0	1820.1
62.5°	5290.1	4926.7	4863.5	4808.9	4360.2	3727.9	3138.6	2720.7	2481.7	2279.1	2143.1
60°	6373.7	5841.2	5526.2	5188.4	4639.5	4005.9	3417.5	3117.7	2926.5	2753.2	2592.5
57.5°	7028.0	6541.0	6064.2	5545.8	4999.5	4489.1	4015.6	3776.3	3552.4	3364.3	3194.2
55°	7757.3	7242.7	6597.9	6100.4	5709.0	5305.9	4930.5	4661.5	4411.2	4272.8	4051.7
52.5°	8586.9	8066.3	7463.9	7071.5	6712.6	6432.3	6071.0	6008.7	5797.7	5739.9	5663.9
50°	9640.1	9320.5	8907.3	8903.8	8597.6	8778.8	8479.0	8623.9	8417.3	8249.4	8406.0
47.5°	14688.9	14497.7	13980.3	14793.0	14523.0	15160.1	14848.4	14490.1	14089.0	13279.4	13270.1
45°	31012.2	30563.7	29352.5	29627.5	28539.2	28242.4	27168.5	25359.8	23763.0	21600.2	19711.9
42.5°	58195.7	57733.1	55220.8	53663.1	51249.2	48272.6	44733.4	40526.1	36126.6	31455.8	27499.6
40°	94756.9	91048.7	87181.8	82254.8	76870.6	70784.4	63754.5	56565.6	49242.0	41807.9	35405.0
37.5°	128323.9	123936.7	117397.6	109828.1	100240.2	89472.7	79583.7	69574.6	60103.3	51089.2	42470.5
35°	155366.7	148715.9	142843.3	132877.1	121444.7	106115.9	91692.3	79530.6	68525.3	58368.4	48922.7
32.5°	162152.2	156597.6	151208.8	143273.2	133648.8	119567.3	100668.6	85643.1	73578.4	62701.1	52480.4
30°	154126.8	149663.6	145634.8	140542.0	133952.4	123259.2	106174.3	87970.3	74751.3	63611.1	53506.7
27.5°	139667.3	136498.1	133698.6	130071.9	126357.4	119922.2	107052.5	89151.5	74447.7	63048.9	52835.7
25°	125325.4	123107.6	121273.9	118733.5	115922.6	112763.4	105245.7	89981.3	73619.2	62203.2	51774.0
22.5°	112829.1	111165.5	110008.2	108199.6	105962.9	103913.8	99423.9	88647.0	73832.2	61430.0	50955.5
20°	102549.7	101290.8	100526.9	99179.9	97247.5	95805.8	93642.2	86715.6	73120.3	60650.5	50151.9
17.5°	94440.0	93617.0	92885.2	91927.8	90166.6	88743.9	87299.0	82751.1	72354.4	60310.0	49674.2
15°	88190.5	87484.3	86885.6	86083.4	84582.2	83037.2	81893.3	79399.7	71452.8	59863.9	49542.6
12.5°	83155.0	82607.2	82031.3	81317.3	79839.6	78297.3	77109.1	75108.6	69491.4	59260.3	49406.8
10°	79097.0	78749.6	78020.0	77331.1	75886.9	74187.4	73064.4	71341.1	66982.4	58488.1	49095.7
7.5°	75737.9	75252.3	74560.4	73769.1	72372.7	70624.8	69348.0	67794.7	64294.6	57276.4	48599.1
5°	72870.4	72198.5	71450.8	70547.1	69068.9	67280.3	65832.0	64251.4	61321.0	55520.9	47695.5
2.5°	70180.5	69367.3	68503.3	67613.1	66025.9	64110.7	62512.9	60810.7	58184.7	53396.2	46504.6
0°	67584.0	66636.0	65671.7	64677.4	63091.5	61017.7	59319.8	57566.0	55069.4	50976.9	45021.8
-2.5°	65269.7	64287.0	63287.3	62108.1	60270.2	58145.7	56308.8	54426.1	51950.8	48383.7	43356.5
-5°	63102.9	62088.0	61088.7	59873.2	57768.2	55493.6	53476.0	51475.0	49001.9	45840.8	41551.1
-7.5°	61025.6	59953.8	58941.2	57418.3	55232.2	52881.7	50740.1	48573.5	46159.3	43324.3	39629.6
-10°	58745.5	57560.1	56393.1	54854.1	52624.0	50323.4	48175.8	45992.2	43646.4	40986.7	37757.3
-12.5°	56495.4	55320.3	54232.3	52657.1	50300.1	48055.2	45950.7	43783.2	41601.4	39026.4	36306.4
-15°	53136.8	52044.3	50909.9	49228.4	47101.8	45048.5	43168.7	40973.8	38920.0	36446.7	34057.7
-17.5°	46628.2	45611.6	44802.5	43204.9	41396.8	39604.1	37880.7	36068.5	34227.4	32256.8	30128.8
-20°	38644.1	38084.8	37369.9	36135.7	34666.8	33399.3	32061.2	30677.0	29114.4	27503.3	25516.8



REPORT NUMBER: P902058 (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°	32757.9	32386.9	31821.8	30863.1	29772.2	28757.7	27693.7	26545.9	25209.9	23571.5	21212.7
-25°	27856.3	27716.3	27339.4	26579.3	25782.9	25001.7	24101.8	22965.9	21740.3	19901.4	17523.6
-27.5°	23376.3	23398.0	23116.6	22600.3	22056.0	21453.5	20647.0	19614.5	18254.2	16527.8	14646.1
-30°	19196.9	19377.2	19253.4	18937.4	18649.4	18190.0	17503.2	16572.8	15316.5	13912.6	12514.5
-32.5°	15698.5	15897.8	15884.9	15852.7	15684.0	15286.4	14740.0	13970.7	13061.8	11982.4	10706.4
-35°	12474.0	12673.3	12775.8	12838.7	12810.9	12559.3	12201.9	11649.5	10898.2	9898.4	8700.4
-37.5°	9554.5	9716.8	9726.4	9903.2	9971.8	9820.1	9617.8	9194.5	8564.3	7649.1	6642.6
-40°	7435.7	7593.6	7615.5	7712.6	7697.4	7620.7	7431.5	7051.3	6478.6	5905.1	5349.5
-42.5°	6439.8	6465.3	6361.1	6379.2	6277.8	6204.1	6022.9	5673.2	5309.0	4940.1	4544.6
-45°	5723.7	5627.0	5610.3	5504.5	5444.4	5302.9	5126.1	4922.9	4645.7	4322.6	4016.8
-47.5°	4848.3	4687.6	4598.5	4533.6	4412.3	4315.3	4214.9	4078.7	3961.6	3771.1	3493.1
-50°	4294.2	4103.6	3959.8	3836.2	3673.9	3548.8	3401.5	3327.3	3225.8	3101.5	2930.5
-52.5°	3898.3	3707.5	3518.7	3387.1	3244.1	3112.4	2971.5	2868.4	2742.7	2614.7	2450.0
-55°	3520.5	3363.8	3206.7	3060.3	2926.0	2798.8	2656.0	2548.4	2417.7	2275.1	2108.2
-57.5°	3183.0	3062.6	2947.9	2810.4	2676.6	2547.7	2411.2	2283.3	2152.8	2012.9	1869.5
-60°	2891.2	2747.7	2658.6	2546.9	2427.5	2305.1	2174.0	2032.6	1904.0	1779.4	1658.4
-62.5°	2610.0	2413.4	2332.0	2244.5	2151.3	2040.5	1916.6	1779.1	1656.6	1541.8	1440.4
-65°	2318.3	2103.2	2000.2	1928.7	1856.1	1768.9	1656.3	1535.9	1421.7	1320.4	1220.3
-67.5°	1993.0	1797.6	1686.5	1619.6	1551.2	1475.2	1375.4	1283.7	1181.7	1088.7	1005.4
-70°	1579.9	1441.6	1357.9	1299.8	1239.4	1168.8	1090.6	1017.6	940.6	869.5	804.7
-72.5°	1180.6	1105.5	1052.5	1006.5	952.0	892.1	832.7	775.9	722.0	672.3	627.0
-75°	859.6	819.7	783.2	747.3	706.2	662.8	615.5	569.3	534.8	502.9	477.1
-77.5°	603.0	578.5	553.8	524.4	493.6	465.7	435.0	407.7	383.3	360.3	343.0
-80°	407.1	393.2	375.2	352.2	334.3	319.2	303.4	283.2	259.2	246.4	236.0
-82.5°	277.1	265.8	252.3	235.7	225.2	212.2	199.6	185.3	173.4	166.1	157.7
-85°	182.3	168.1	161.5	150.3	143.5	132.6	122.3	113.4	110.1	106.4	100.9
-87.5°	98.1	83.8	82.2	78.9	77.3	72.5	66.0	62.8	60.8	58.5	56.2
-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: P902058 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	31.8	30.3	28.7	27.0	25.3	23.6	21.3	21.1	19.9	21.5	18.9
85°	96.6	89.6	82.3	74.7	66.5	58.2	50.9	45.1	39.9	43.0	37.8
82.5°	193.6	177.2	160.3	142.7	123.2	109.7	103.3	93.5	81.8	74.1	61.4
80°	322.0	293.0	262.2	237.9	215.5	192.3	173.0	148.0	125.3	110.0	94.1
77.5°	482.5	437.4	399.3	362.8	327.6	289.3	258.3	227.2	190.7	153.4	126.6
75°	678.4	630.2	570.2	513.9	459.2	416.1	367.3	313.5	260.9	214.0	170.0
72.5°	916.3	838.8	760.2	694.0	625.3	553.5	483.3	419.6	347.4	273.1	219.2
70°	1175.3	1064.7	954.9	871.8	786.6	699.1	615.3	528.1	441.8	351.1	267.5
67.5°	1432.3	1305.2	1175.9	1065.2	943.3	848.8	748.4	643.5	539.7	428.7	329.9
65°	1696.1	1570.5	1430.8	1276.6	1143.1	1008.8	897.7	764.4	640.7	510.0	392.8
62.5°	2003.0	1889.4	1728.5	1556.7	1372.6	1210.9	1054.7	902.0	744.3	601.3	453.6
60°	2434.0	2293.9	2088.1	1881.1	1635.1	1414.8	1225.3	1039.2	863.2	692.7	529.3
57.5°	3004.7	2804.0	2534.7	2247.2	1901.3	1615.4	1391.6	1185.1	978.1	787.6	601.9
55°	3933.7	3491.6	3067.6	2623.7	2138.8	1801.7	1552.1	1326.8	1098.6	880.4	670.9
52.5°	5607.8	5082.1	3685.3	2938.3	2353.5	1972.5	1703.4	1462.3	1214.2	968.8	746.1
50°	8518.8	7735.3	5441.7	3245.6	2551.9	2146.8	1846.9	1589.1	1323.5	1065.9	819.1
47.5°	13169.5	11447.1	7551.1	4084.9	2763.9	2310.1	1982.8	1706.9	1431.4	1161.0	888.7
45°	19075.6	16439.6	10211.4	4822.5	3045.3	2469.8	2114.2	1820.8	1535.5	1250.2	960.3
42.5°	25306.6	21570.2	13351.8	6261.4	3344.3	2616.1	2235.3	1930.7	1634.1	1334.7	1032.8
40°	31424.0	26408.2	16192.9	7297.4	3649.3	2740.0	2363.8	2031.4	1725.1	1415.2	1099.4
37.5°	36910.3	31334.9	20227.6	9281.2	4231.7	2831.3	2484.8	2125.9	1812.7	1491.6	1159.9
35°	41405.1	36163.4	24379.2	10624.6	4559.6	2994.1	2588.9	2218.5	1898.2	1564.4	1218.5
32.5°	44245.7	38679.7	28325.5	14032.3	5796.5	3307.6	2677.3	2320.9	1979.9	1636.8	1275.0
30°	45084.8	39800.3	31857.2	16735.1	6541.0	3581.1	2773.2	2416.6	2059.3	1707.9	1325.3
27.5°	44553.8	39342.9	32938.9	19729.2	8501.9	4089.1	2923.5	2510.2	2134.1	1768.0	1369.4
25°	43470.6	38008.2	33787.9	22960.9	10674.0	4886.3	3162.1	2608.3	2210.7	1815.3	1407.3
22.5°	42376.0	36756.4	34173.4	25691.6	12836.4	5600.9	3398.0	2699.3	2277.1	1858.4	1446.8
20°	41198.3	35532.0	32798.9	26993.2	15295.4	6384.4	3624.0	2760.8	2334.3	1902.1	1484.2
17.5°	40255.1	34102.1	31283.3	27838.1	17888.2	8139.9	3995.2	2810.6	2383.3	1942.9	1516.0
15°	40178.8	33168.6	29715.5	28184.1	20019.3	9858.4	4605.2	2913.2	2426.4	1977.2	1545.7
12.5°	40264.2	32738.6	28686.4	27809.7	21711.7	11430.4	5335.0	3129.6	2462.9	2017.0	1575.2
10°	40424.0	32640.9	27881.1	26545.2	22867.3	12918.6	6073.5	3390.8	2533.1	2061.2	1599.8
7.5°	40532.2	32746.3	27444.0	25471.5	22974.4	14235.6	6965.5	3731.7	2612.1	2099.9	1618.6
5°	40368.4	32918.4	27161.1	24610.1	22627.2	15366.9	7839.0	4067.9	2697.5	2139.4	1628.8
2.5°	39869.8	33002.1	26936.1	23798.1	22014.5	16159.7	8665.1	4385.6	2785.9	2174.9	1633.1
0°	39116.7	32911.6	26661.7	22965.2	21231.2	16689.8	9391.4	4660.1	2861.3	2202.6	1631.3
-2.5°	38174.8	32625.6	26181.2	22036.0	20248.8	16603.2	9675.1	4719.0	2890.8	2204.3	1618.6
-5°	37084.8	32028.9	25388.7	21045.8	19293.6	16289.4	9783.1	4702.5	2905.7	2195.3	1599.7
-7.5°	35857.2	30995.3	24272.8	19997.4	18388.9	15642.9	9435.8	4519.2	2899.5	2173.6	1574.7
-10°	34583.0	29543.8	22877.3	19014.4	17701.3	14837.3	8914.1	4246.7	2879.9	2137.2	1549.9
-12.5°	33170.0	27682.1	21493.3	18117.1	16918.6	13857.8	8090.2	3883.3	2850.4	2089.8	1520.4
-15°	30771.8	24961.4	19468.3	17309.2	15874.3	12323.1	7117.3	3462.3	2776.6	2030.9	1485.1
-17.5°	26820.0	21156.9	17505.8	15726.2	14210.0	10502.9	5843.5	3243.2	2685.8	1961.2	1444.6
-20°	21907.0	17893.2	15329.8	14068.8	12102.1	8476.3	4911.8	3110.1	2559.3	1882.3	1398.8



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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°	17995.0	15202.0	13618.2	12418.0	10041.6	6777.3	4232.5	2976.7	2410.8	1792.4	1347.3
-25°	15025.3	13266.0	11983.0	10359.6	7961.5	5486.3	3647.3	2836.3	2256.5	1695.4	1295.7
-27.5°	12965.8	11584.1	10082.5	8249.5	6165.5	4404.4	3182.1	2677.4	2110.5	1618.3	1243.6
-30°	11158.4	9761.1	8099.4	6358.0	4784.9	3728.6	2935.2	2489.4	1984.9	1541.2	1186.8
-32.5°	9285.0	7797.1	6326.1	5057.4	4053.9	3302.3	2741.9	2311.2	1859.1	1460.7	1125.6
-35°	7361.2	6071.6	4989.7	4119.1	3463.4	2956.1	2536.9	2141.5	1734.7	1375.9	1061.0
-37.5°	5764.9	4942.5	4209.6	3623.1	3122.5	2700.0	2339.4	1984.1	1621.3	1292.6	997.3
-40°	4757.0	4180.9	3652.8	3202.9	2815.5	2469.2	2153.6	1837.7	1513.3	1208.2	934.1
-42.5°	4118.8	3686.6	3273.4	2897.8	2564.9	2261.9	1975.7	1695.8	1395.9	1118.7	866.6
-45°	3664.9	3291.7	2936.8	2612.3	2330.9	2069.2	1816.1	1551.6	1277.4	1024.2	794.6
-47.5°	3204.1	2901.2	2610.0	2349.4	2100.8	1867.7	1643.7	1399.7	1160.2	935.2	721.0
-50°	2711.5	2501.1	2271.1	2059.4	1854.5	1657.7	1459.3	1245.6	1036.9	838.9	648.6
-52.5°	2279.0	2129.2	1941.5	1773.9	1614.7	1445.5	1272.5	1099.7	919.2	739.8	573.6
-55°	1975.7	1832.2	1681.1	1538.0	1388.5	1258.1	1108.5	952.1	808.2	653.7	498.8
-57.5°	1745.1	1612.9	1483.1	1350.4	1224.0	1093.6	960.1	834.0	702.0	569.0	442.7
-60°	1547.0	1427.4	1309.6	1187.8	1069.1	952.1	834.7	719.3	613.0	489.3	386.7
-62.5°	1341.3	1235.3	1128.4	1025.9	924.7	824.4	722.2	620.6	523.9	424.5	330.2
-65°	1136.1	1039.8	953.1	864.0	784.6	702.7	616.8	527.6	443.5	357.7	285.5
-67.5°	937.9	857.4	786.8	712.5	643.8	584.3	512.9	438.8	364.5	298.2	239.5
-70°	751.0	691.1	632.1	574.3	513.6	465.1	415.1	351.6	294.9	243.9	194.4
-72.5°	584.1	543.5	498.6	448.2	401.0	358.9	316.9	278.7	234.1	191.0	161.2
-75°	450.6	414.8	380.7	343.9	301.9	269.9	245.5	211.8	179.7	153.4	127.6
-77.5°	323.0	294.6	278.1	253.5	226.5	199.5	179.7	160.1	138.0	115.5	98.7
-80°	223.9	207.1	191.6	176.8	161.1	146.7	131.5	113.9	99.5	88.6	78.3
-82.5°	150.0	141.1	131.3	119.3	107.0	100.8	91.8	82.3	74.3	66.2	58.0
-85°	96.5	92.5	86.6	77.7	72.4	66.8	61.3	54.3	49.1	43.9	38.5
-87.5°	53.7	51.1	47.0	39.4	36.9	33.2	30.7	27.1	24.6	22.0	19.3
-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):**

	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°	16.3	13.8	10.5	8.0	5.3	2.7	0.0
85°	32.6	27.6	20.9	16.0	10.7	5.5	0.0
82.5°	48.8	41.3	31.4	24.0	16.0	8.2	0.0
80°	75.9	57.2	41.8	31.9	21.3	10.9	0.0
77.5°	103.8	78.8	54.3	39.7	26.6	13.6	0.0
75°	131.2	100.1	70.5	47.5	31.8	16.2	0.0
72.5°	168.3	120.9	86.3	58.0	36.9	18.8	0.0
70°	207.9	146.8	101.8	69.0	42.0	21.4	0.0
67.5°	246.6	178.1	116.9	79.8	47.1	24.0	0.0
65°	290.6	208.7	136.5	90.5	53.2	26.5	0.0
62.5°	340.5	238.6	159.9	101.0	60.0	28.9	0.0
60°	388.7	272.7	182.5	111.3	66.7	31.4	0.0
57.5°	435.2	312.0	204.3	121.8	73.1	33.7	0.0
55°	493.2	350.2	225.2	137.8	79.2	36.0	0.0
52.5°	548.8	387.0	246.8	153.2	85.1	38.2	0.0
50°	600.9	421.6	274.2	168.1	90.7	40.4	0.0
47.5°	650.9	460.9	300.7	182.5	96.0	42.4	0.0
45°	707.8	498.5	326.6	196.1	101.0	44.4	0.0
42.5°	762.1	534.2	351.1	209.2	105.6	46.3	0.0
40°	813.2	568.0	374.1	220.6	109.9	48.2	0.0
37.5°	859.5	599.7	395.7	230.6	113.9	49.9	0.0
35°	904.2	634.2	419.0	242.9	119.6	51.8	0.0
32.5°	946.6	668.5	442.0	255.4	125.4	53.7	0.0
30°	984.8	700.0	463.2	266.7	130.8	55.4	0.0
27.5°	1022.1	728.8	480.8	276.8	135.8	56.9	0.0
25°	1056.0	754.7	496.5	285.7	140.5	58.4	0.0
22.5°	1085.5	777.5	510.7	293.4	144.6	59.7	0.0
20°	1112.0	797.0	523.1	300.0	148.2	60.8	0.0
17.5°	1138.2	813.9	533.9	306.8	151.4	61.9	0.0
15°	1161.1	828.9	542.8	313.1	154.1	62.7	0.0
12.5°	1180.0	841.8	551.7	318.3	156.2	63.5	0.0
10°	1194.7	852.2	559.2	322.5	157.9	64.1	0.0
7.5°	1205.1	859.8	564.8	325.6	159.1	64.5	0.0
5°	1210.9	864.2	568.4	327.6	159.8	64.8	0.0
2.5°	1212.2	865.4	570.1	328.5	159.9	65.0	0.0
0°	1209.1	863.4	569.8	328.2	159.6	65.0	0.0
-2.5°	1200.0	858.5	566.6	327.3	159.2	64.9	0.0
-5°	1186.7	850.4	561.5	325.2	158.3	64.7	0.0
-7.5°	1169.2	839.4	554.5	322.1	157.0	64.4	0.0
-10°	1148.9	825.5	545.8	317.8	155.1	63.9	0.0
-12.5°	1128.0	809.0	535.4	312.5	152.8	63.3	0.0
-15°	1102.9	789.7	522.8	306.1	149.9	62.5	0.0
-17.5°	1073.7	768.2	507.5	298.6	146.7	61.6	0.0
-20°	1040.4	744.4	490.7	290.0	142.9	60.6	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1006.4	717.6	472.5	279.9	138.7	59.5	0.0
-25°	970.3	689.4	453.2	269.1	134.1	58.3	0.0
-27.5°	930.6	659.5	432.6	257.3	129.0	56.9	0.0
-30°	887.6	627.5	411.1	244.8	123.5	55.4	0.0
-32.5°	841.7	593.6	389.7	231.6	117.7	53.8	0.0
-35°	792.5	557.9	366.6	217.6	111.6	52.1	0.0
-37.5°	742.4	522.3	343.5	204.3	105.9	50.3	0.0
-40°	693.7	489.4	323.0	193.9	102.1	48.6	0.0
-42.5°	642.3	455.1	301.7	183.0	98.1	46.8	0.0
-45°	587.5	419.5	279.6	171.7	93.9	44.9	0.0
-47.5°	529.4	382.6	256.7	160.0	89.5	42.9	0.0
-50°	480.1	344.7	233.5	147.8	85.0	40.8	0.0
-52.5°	431.5	314.8	209.5	135.3	80.2	38.6	0.0
-55°	381.8	283.0	191.1	122.5	75.3	36.4	0.0
-57.5°	332.1	250.7	173.6	109.2	70.1	34.1	0.0
-60°	295.4	218.2	155.7	100.8	64.9	31.7	0.0
-62.5°	258.0	190.9	137.4	92.6	59.5	29.3	0.0
-65°	219.8	167.8	118.6	84.2	53.9	26.8	0.0
-67.5°	187.1	144.5	103.1	75.7	48.5	24.3	0.0
-70°	159.4	120.9	91.4	66.9	43.4	21.7	0.0
-72.5°	131.2	101.7	79.5	58.0	38.1	19.1	0.0
-75°	105.2	86.5	67.4	49.2	32.8	16.4	0.0
-77.5°	86.6	71.0	55.2	41.1	27.5	13.7	0.0
-80°	67.8	55.3	43.9	33.0	22.0	11.0	0.0
-82.5°	49.2	41.1	33.0	24.8	16.6	8.3	0.0
-85°	32.8	27.5	22.0	16.6	11.1	5.5	0.0
-87.5°	16.4	13.7	11.0	8.3	5.5	2.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)