

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: P902104 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/13/2024

Test Information

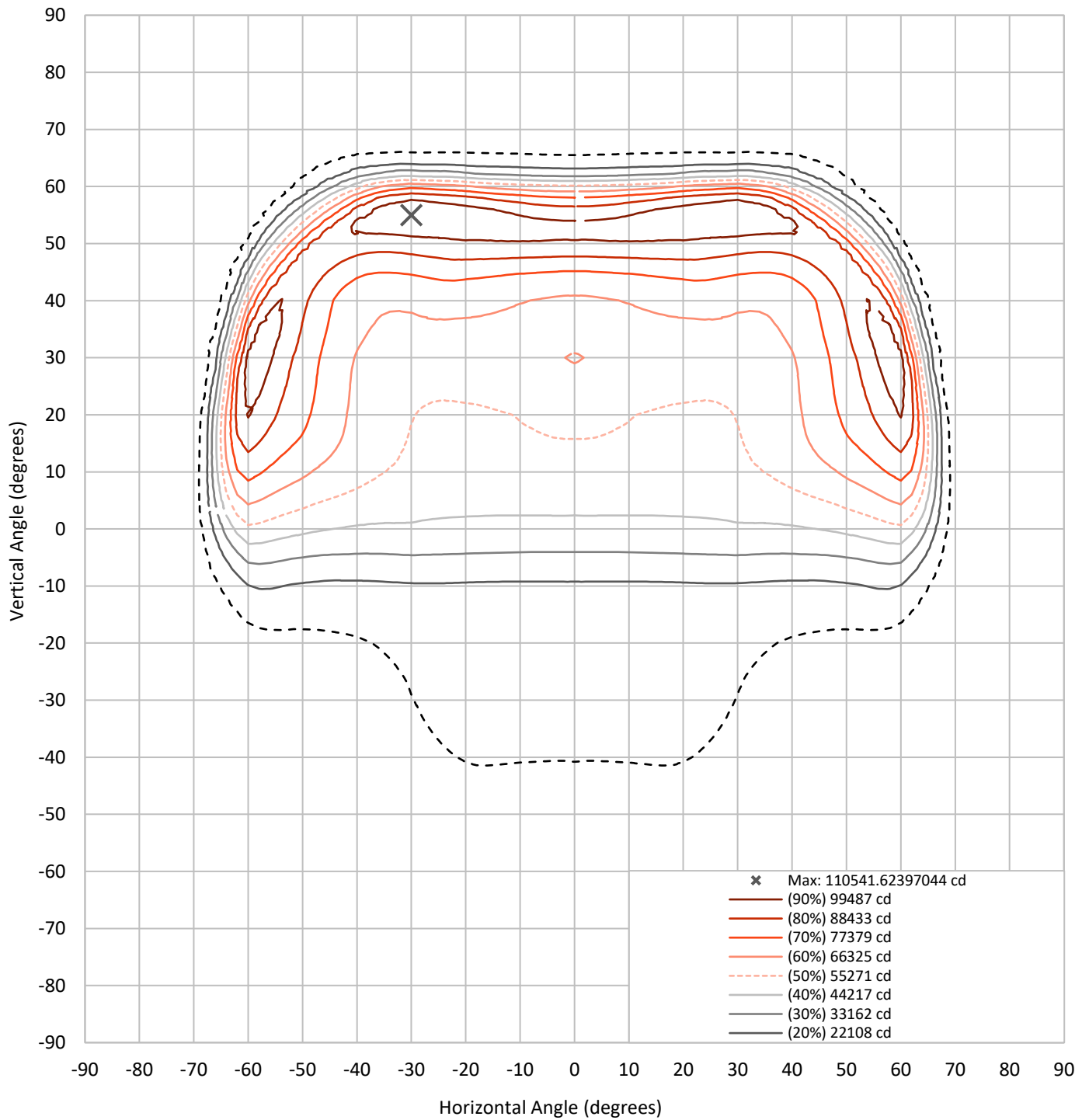
Test Method: LM-79-08
Report Number: P902104 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVA2109006)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A55-WB
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A55-WB OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	163294.9 lumens	Max Intensity:	110541.6 candela
Efficiency:	N/A	Max Intensity Angle:	-30°H x 55°V
Efficacy:	115.6 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	96.8°H x 42.9°V	Field Angle (10%):	113.6°H x 95°V
Beam Lumens:	103678.1 lumens	Field Lumens:	151067.2 lumens
Beam Efficiency:	63.5%	Field Efficiency:	92.5%
Input Watts (W):	1413		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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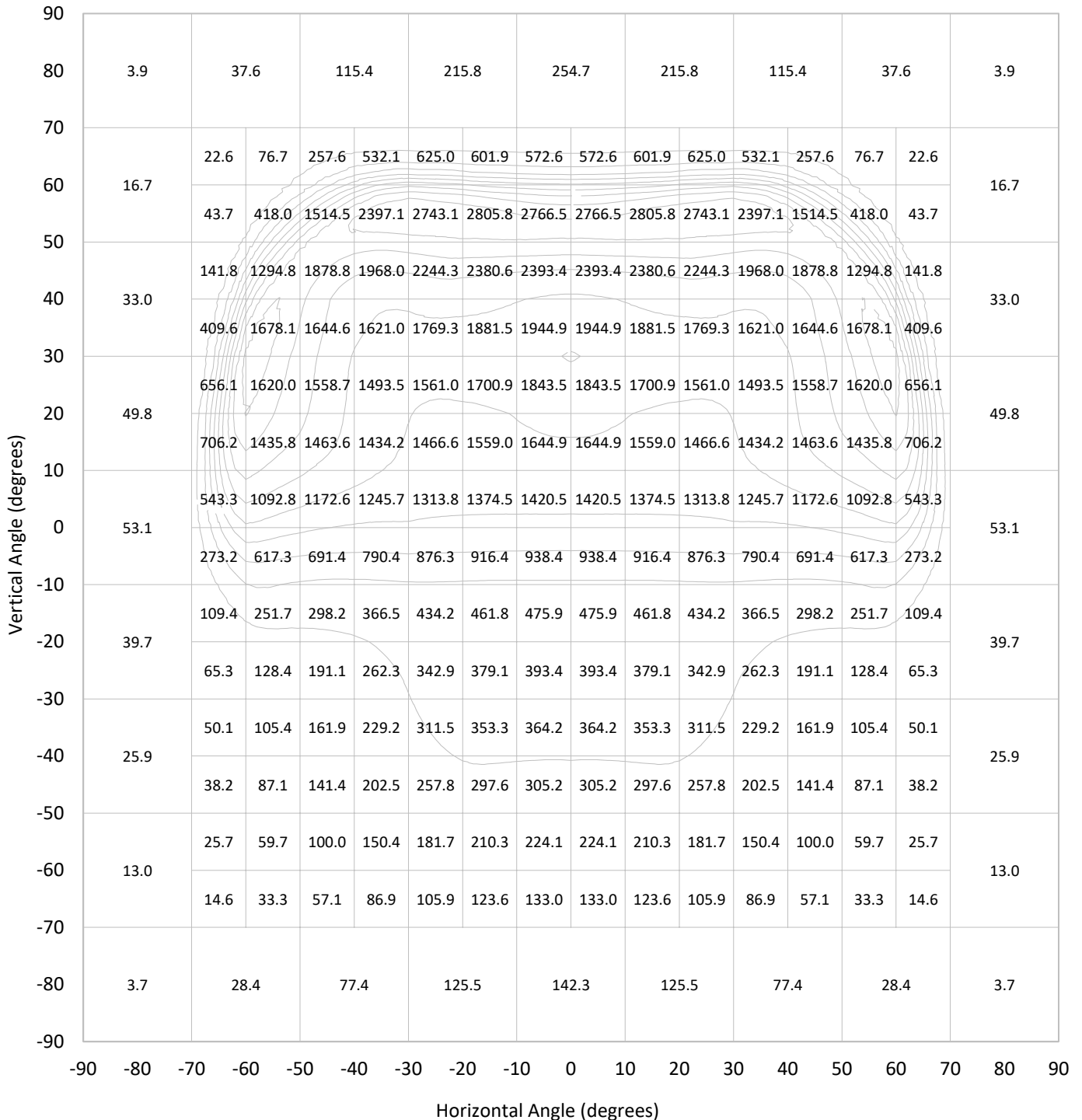
Iso-Candela Plot





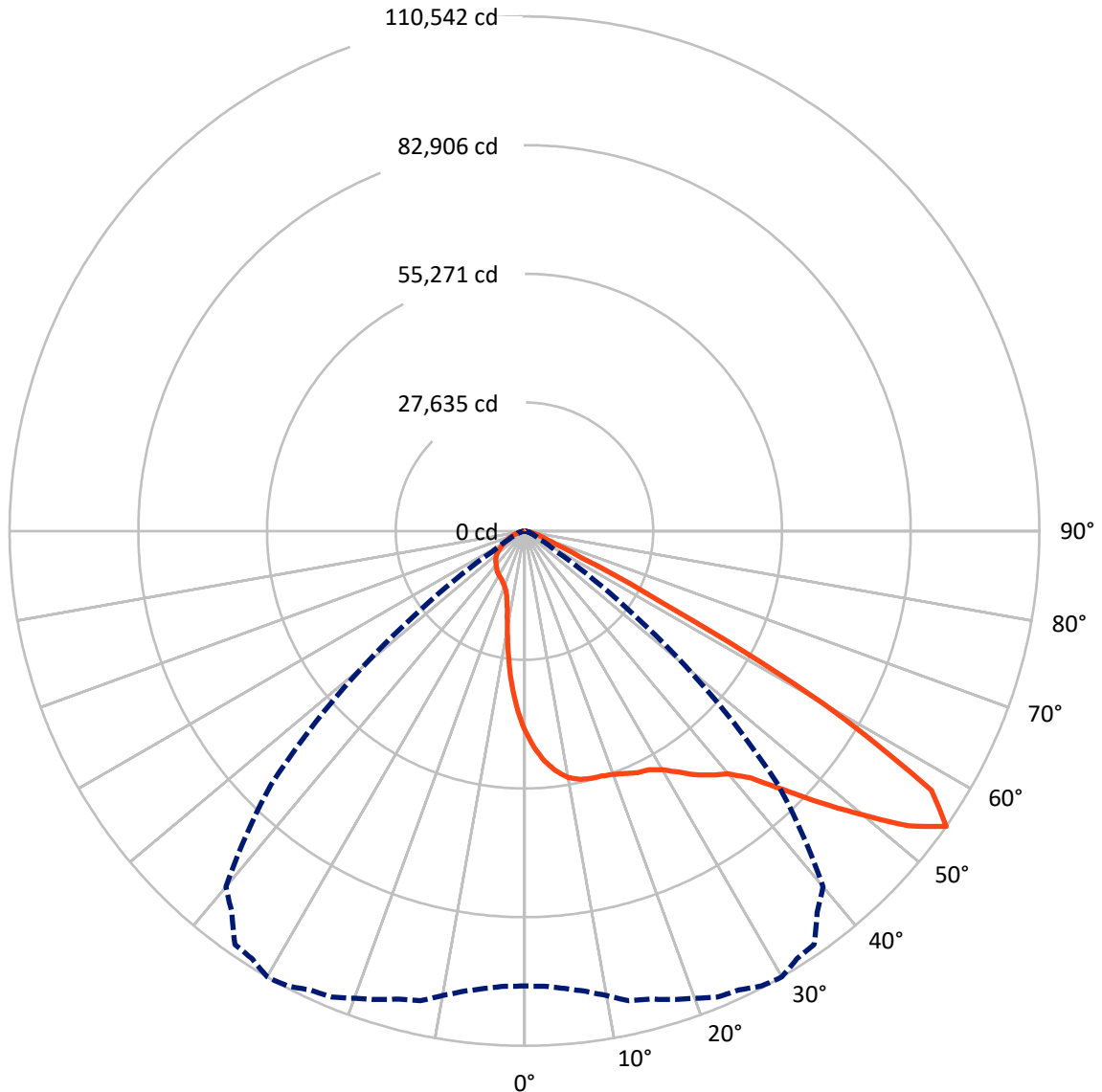
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Lumen Table



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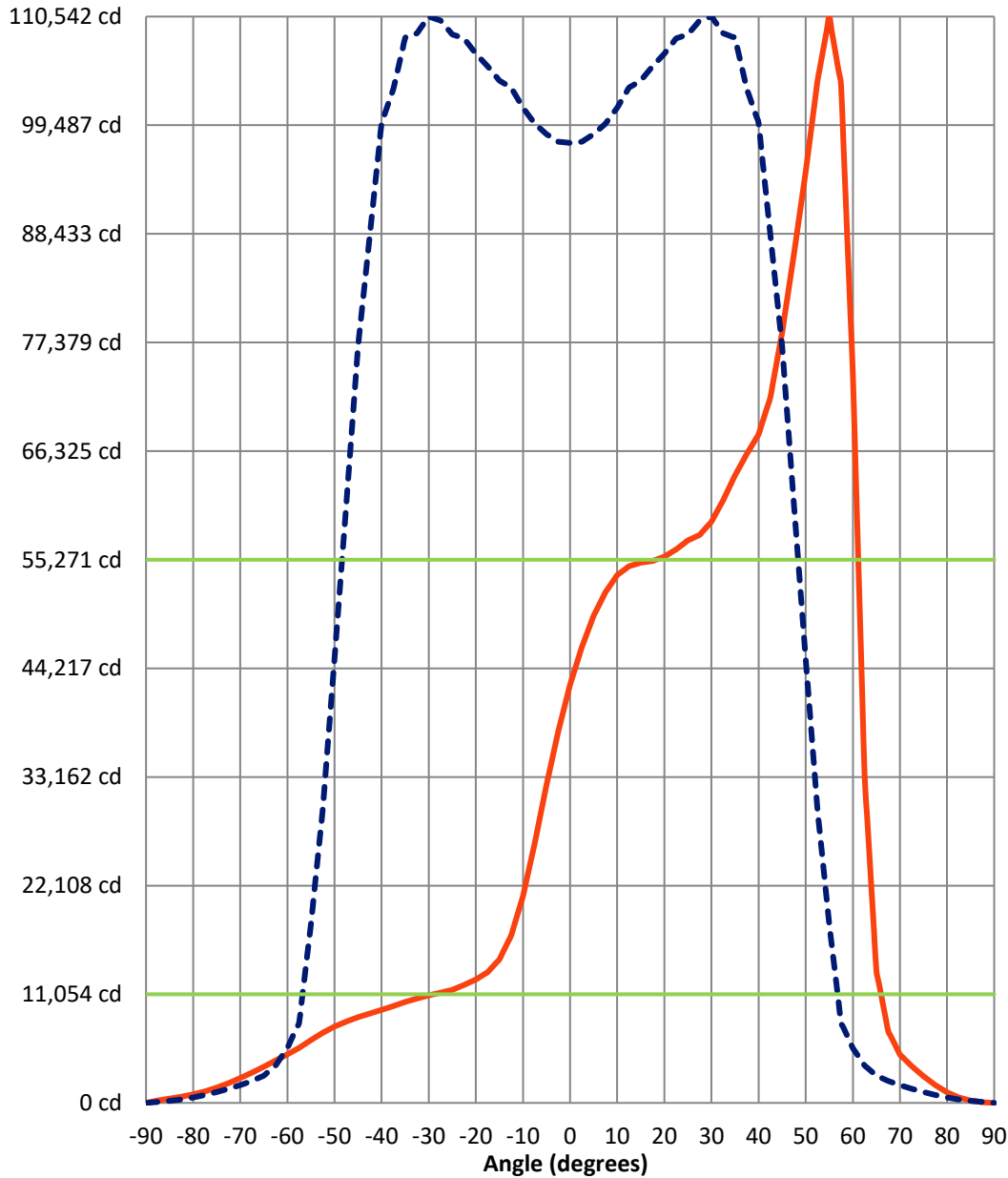
Luminous Intensity Polar Plot



— Vertical Distribution Through -30-Deg - - - Horizontal Distribution Through 55-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 96.8°
 V Angle: 42.9°
 Lumens: 103678.1
 Efficiency: 63.5%

Field:
 H Angle: 113.6°
 V Angle: 95°
 Lumens: 151067.2
 Efficiency: 92.5%

Spill:
 Lumens: 12227.6
 Efficiency: 7.5%

— Vertical Distribution through -30-Deg
 - - Horizontal Distribution through 55-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	7.6	15.3	22.3	29.2	35.5	41.2	46.5	51.3	55.7	58.6
85°	0.0	15.3	30.5	44.5	58.4	70.9	82.4	93.0	102.7	111.4	122.3
82.5°	0.0	22.9	45.7	66.7	87.5	106.2	123.5	148.8	175.4	201.9	227.5
80°	0.0	30.4	60.8	88.7	116.5	146.2	184.7	222.9	259.1	295.6	344.9
77.5°	0.0	37.9	75.8	110.7	148.9	197.2	247.5	296.6	358.6	436.7	512.5
75°	0.0	45.4	90.6	132.5	187.5	247.6	309.6	398.5	496.5	589.2	695.9
72.5°	0.0	52.7	105.3	158.9	225.5	297.0	396.7	515.2	632.7	771.4	921.8
70°	0.0	60.0	119.7	186.1	262.8	358.3	490.8	629.5	792.9	965.2	1154.6
67.5°	0.0	67.1	134.0	212.7	299.4	431.8	582.6	760.4	952.5	1163.3	1402.0
65°	0.0	74.1	149.3	238.7	345.6	503.5	681.2	891.1	1115.7	1365.8	1649.9
62.5°	0.0	81.0	165.4	264.0	399.7	573.0	787.5	1018.1	1287.2	1567.2	1913.9
60°	0.0	87.8	181.0	288.5	452.2	648.0	890.4	1162.1	1453.9	1785.1	2183.8
57.5°	0.0	94.3	196.1	313.2	502.8	730.0	989.8	1302.4	1633.0	1995.6	2492.8
55°	0.0	100.7	210.8	348.6	551.6	809.2	1105.4	1438.1	1810.7	2236.0	2777.1
52.5°	0.0	106.9	224.9	382.5	601.0	885.5	1217.0	1584.1	1982.7	2471.5	3215.3
50°	0.0	113.0	238.5	415.0	658.5	958.2	1324.0	1725.7	2180.2	2733.8	3617.2
47.5°	0.0	118.8	251.5	446.0	713.1	1042.1	1428.0	1860.5	2367.1	3065.9	4204.2
45°	0.0	124.4	263.8	475.3	764.4	1121.8	1538.7	2003.0	2546.7	3375.0	4723.1
42.5°	0.0	129.7	275.5	502.9	812.7	1197.3	1644.4	2156.0	2807.2	3729.0	5663.2
40°	0.0	134.8	286.6	528.6	857.9	1268.2	1745.7	2304.2	3054.1	4093.0	8483.1
37.5°	0.0	139.7	297.0	552.4	899.9	1334.5	1843.8	2447.0	3286.1	4450.4	10459.1
35°	0.0	144.7	310.6	579.6	945.9	1406.0	1952.8	2619.1	3554.4	5280.9	14526.3
32.5°	0.0	149.4	324.6	606.6	991.7	1478.8	2065.3	2808.5	3838.3	6376.5	22123.3
30°	0.0	153.9	337.5	631.2	1033.7	1547.7	2171.9	2986.8	4098.8	7230.3	28000.4
27.5°	0.0	158.0	349.6	653.4	1071.0	1612.3	2271.8	3152.2	4332.1	7818.5	32500.4
25°	0.0	161.7	360.6	673.2	1104.1	1672.4	2364.3	3304.3	4586.3	10494.1	41217.2
22.5°	0.0	165.1	370.4	690.5	1133.1	1726.5	2449.1	3448.2	5043.9	13628.3	48415.2
20°	0.0	168.2	379.1	705.4	1158.1	1772.0	2534.1	3589.9	5400.9	15787.2	54101.0
17.5°	0.0	170.9	386.6	718.6	1179.0	1811.8	2618.1	3711.8	5686.2	17161.1	58043.3
15°	0.0	173.3	393.0	729.7	1195.7	1849.1	2684.0	3805.4	5894.0	17939.3	59339.9
12.5°	0.0	175.3	398.2	738.4	1208.2	1883.2	2735.6	3868.9	6033.1	18052.0	57559.6
10°	0.0	177.0	402.2	744.7	1216.3	1902.4	2773.3	3913.1	6113.8	18974.2	54611.0
7.5°	0.0	178.3	405.1	748.8	1220.2	1907.5	2782.3	3934.0	6139.3	19262.6	50150.1
5°	0.0	179.2	406.9	750.5	1220.0	1904.5	2773.1	3917.4	6078.2	18451.9	44896.4
2.5°	0.0	179.7	407.6	750.0	1215.9	1893.6	2751.6	3882.9	5958.4	16741.2	38385.8
0°	0.0	179.9	407.2	747.3	1207.9	1874.9	2718.5	3830.8	5797.7	14428.4	31398.8
-2.5°	0.0	179.8	406.0	743.7	1197.8	1847.3	2667.9	3739.2	5569.2	12279.4	25297.7
-5°	0.0	179.2	403.8	737.9	1184.2	1812.3	2607.5	3632.0	5313.6	10025.1	19054.2
-7.5°	0.0	178.4	400.5	730.1	1167.1	1770.3	2538.5	3510.6	5039.0	8330.9	14854.7
-10°	0.0	177.1	396.2	720.3	1146.8	1721.5	2463.2	3368.2	4752.0	7101.5	11143.4
-12.5°	0.0	175.6	390.8	708.5	1123.4	1670.4	2385.9	3214.9	4454.5	6151.7	8938.4
-15°	0.0	173.6	384.5	694.7	1098.3	1618.3	2304.4	3055.2	4168.1	5654.6	7534.5
-17.5°	0.0	171.4	377.1	679.0	1073.2	1567.0	2219.9	2904.0	3901.0	5170.3	6595.6
-20°	0.0	168.8	368.8	661.9	1045.2	1517.4	2131.0	2759.0	3635.3	4763.2	5995.4



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

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	165.9	359.5	643.8	1014.3	1464.6	2034.4	2611.2	3394.6	4406.4	5448.7
-25°	0.0	162.6	349.3	623.9	980.6	1411.5	1936.9	2478.1	3175.2	4061.2	5020.3
-27.5°	0.0	159.1	338.3	602.2	944.2	1356.0	1839.9	2366.5	2996.3	3790.6	4628.4
-30°	0.0	155.2	326.3	578.8	905.2	1297.2	1746.4	2250.5	2833.6	3556.2	4322.9
-32.5°	0.0	151.0	313.9	553.7	864.1	1235.2	1659.1	2130.5	2682.4	3328.1	4051.3
-35°	0.0	146.6	300.7	527.0	820.4	1170.2	1568.2	2011.1	2527.5	3122.7	3788.0
-37.5°	0.0	141.9	287.9	500.8	777.1	1105.8	1478.7	1898.6	2379.2	2933.6	3561.3
-40°	0.0	137.1	278.1	478.3	737.7	1045.2	1393.4	1788.6	2240.5	2754.7	3328.4
-42.5°	0.0	132.0	267.7	455.0	696.6	981.8	1306.0	1673.0	2093.0	2570.1	3082.2
-45°	0.0	126.6	256.8	430.8	653.9	915.8	1215.5	1552.0	1937.1	2385.1	2864.1
-47.5°	0.0	121.0	245.5	405.7	609.7	847.2	1121.2	1432.8	1790.5	2199.4	2642.5
-50°	0.0	115.2	233.7	379.5	563.7	776.3	1034.6	1317.1	1636.7	2003.7	2412.2
-52.5°	0.0	109.1	221.4	352.4	516.2	717.2	947.5	1197.3	1476.1	1812.1	2177.6
-55°	0.0	102.8	208.8	324.4	476.4	656.7	858.0	1075.7	1332.7	1619.9	1932.5
-57.5°	0.0	96.4	195.8	295.5	437.9	594.5	766.0	968.3	1184.3	1425.9	1709.4
-60°	0.0	89.7	182.4	274.9	398.5	530.9	689.6	858.5	1037.1	1253.7	1482.6
-62.5°	0.0	82.9	168.7	254.5	358.3	474.5	612.2	747.6	912.0	1078.6	1282.0
-65°	0.0	75.9	154.7	233.6	317.4	424.3	533.9	659.0	785.5	932.3	1087.0
-67.5°	0.0	68.7	140.3	212.3	282.1	373.3	465.2	570.0	675.8	793.0	923.5
-70°	0.0	61.4	125.5	190.6	253.1	321.7	405.2	483.4	577.0	670.2	773.0
-72.5°	0.0	54.0	110.4	168.5	223.7	277.8	344.7	415.2	480.4	562.0	645.7
-75°	0.0	46.5	95.1	145.9	193.9	241.2	288.1	346.6	404.7	461.6	528.7
-77.5°	0.0	38.9	79.6	122.1	163.8	204.3	243.8	283.7	328.6	377.7	428.5
-80°	0.0	31.2	63.9	98.0	132.0	167.1	199.0	231.0	263.4	296.3	333.6
-82.5°	0.0	23.5	48.0	73.7	99.3	126.6	153.2	177.9	202.3	227.0	253.0
-85°	0.0	15.7	32.1	49.2	66.3	84.5	102.3	120.3	138.3	156.5	175.6
-87.5°	0.0	7.8	16.1	24.6	33.2	42.3	51.2	60.2	69.2	78.3	88.4
-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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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WB

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°	62.0	63.7	64.8	66.5	66.5	67.3	66.2	66.0	65.5	64.6	63.2
85°	138.0	151.4	164.4	177.7	188.3	198.2	205.0	210.8	212.9	214.6	216.6
82.5°	252.5	275.1	298.3	336.4	369.0	399.0	423.6	446.6	461.1	475.0	490.5
80°	402.8	459.6	515.6	566.0	611.5	671.6	725.8	780.4	817.4	850.9	883.3
77.5°	585.1	672.5	772.6	860.0	936.5	1013.1	1111.5	1205.8	1282.7	1357.8	1429.8
75°	821.7	948.5	1067.4	1217.0	1351.0	1469.7	1582.3	1731.3	1868.8	1998.5	2122.0
72.5°	1072.4	1268.0	1466.7	1647.8	1843.3	2026.5	2196.4	2406.1	2631.5	2808.3	2973.9
70°	1378.0	1620.6	1893.3	2157.4	2408.0	2800.3	3091.1	3333.0	3795.5	4041.9	4222.1
67.5°	1681.8	2014.0	2349.6	2858.5	3418.8	4013.0	4851.7	5356.8	6001.4	6595.9	6745.3
65°	2014.1	2428.0	3009.3	3735.8	4990.3	6261.9	7670.9	9064.0	10379.4	11978.5	12591.7
62.5°	2357.2	2939.1	3759.3	5089.7	6907.6	9043.8	11744.5	15865.1	18535.5	24674.1	27586.9
60°	2745.4	3547.9	4719.4	6808.4	9332.9	15099.0	20627.5	30236.7	40152.2	49889.4	60660.0
57.5°	3210.7	4301.1	6308.1	8927.4	17442.2	26020.4	39505.7	52880.6	67215.4	80966.7	90300.9
55°	3808.1	5586.3	8191.9	18188.2	29855.7	45167.0	60904.6	76965.1	88330.9	99715.9	103197.3
52.5°	4596.1	7103.3	16892.3	30414.1	47701.0	65188.0	81112.0	92435.9	98483.6	101581.3	101836.1
50°	5667.6	13274.0	27289.4	47660.0	66461.4	82896.5	94213.1	96540.4	97034.4	94636.6	93643.0
47.5°	7464.6	20618.1	44332.8	65170.5	83425.6	94809.4	95968.9	93753.3	89826.2	87040.4	85346.0
45°	12670.5	33791.4	60798.8	82447.3	93903.2	96454.8	93118.5	87343.1	83045.3	79824.1	77611.2
42.5°	16759.7	48481.5	76485.0	92304.0	97856.7	94809.2	87691.6	81954.5	77437.2	73816.6	71476.7
40°	27881.8	62826.0	89948.9	100956.0	98188.0	91185.3	84246.4	78469.2	73756.1	70061.0	68257.9
37.5°	38929.5	77281.4	98162.2	102154.1	96861.7	89117.6	82466.8	77229.6	72634.4	69322.3	67236.6
35°	49509.5	90460.4	105477.1	103263.8	95074.1	87615.1	81590.8	76293.3	71694.7	68406.2	66259.2
32.5°	62177.9	96872.4	105607.4	100719.1	92868.5	85907.0	80161.1	74846.6	70322.2	67013.2	64838.9
30°	74412.6	102442.3	105594.6	97695.2	90144.9	84031.1	78839.2	73356.4	68943.3	65677.7	63224.3
27.5°	83114.6	104913.7	103545.7	95164.5	88362.2	83005.2	77904.2	72575.8	68212.9	64917.3	62301.8
25°	86199.4	103253.6	100868.6	92950.3	86959.9	82365.1	77284.3	72199.4	68010.9	64612.7	61811.6
22.5°	88062.7	102214.5	97804.0	90806.6	85498.3	81347.5	76509.8	71707.4	67778.3	64311.9	61214.8
20°	89472.9	100226.5	95027.4	88508.9	84000.6	79957.5	75413.0	70979.6	67197.7	63796.7	60674.6
17.5°	88307.6	96252.8	91362.3	85803.5	81742.9	78229.5	73925.7	70051.1	66615.7	63343.7	60265.3
15°	84789.3	91452.3	87353.0	82514.3	78698.4	75794.3	71848.0	68600.5	65532.2	62553.4	59616.2
12.5°	80287.6	86653.6	82885.9	78346.4	75186.4	72430.7	68954.6	66236.4	63611.6	61167.0	58680.2
10°	75500.3	81102.2	77658.8	73858.9	70995.6	68306.6	65325.8	63156.6	60928.8	58852.3	56902.0
7.5°	69236.7	75110.5	72261.9	68747.2	65970.1	63645.1	61031.3	59305.0	57543.6	55848.2	54340.1
5°	62539.3	68565.9	66019.2	62884.4	60481.0	58509.5	56270.3	54912.0	53507.9	52179.5	51082.8
2.5°	54270.7	61066.0	59241.8	56606.3	54511.1	52939.1	51026.4	49887.0	48925.4	47889.7	47113.0
0°	45593.5	53167.0	52064.8	49864.9	48065.8	46707.6	45246.1	44389.5	43637.0	43004.7	42612.0
-2.5°	37036.7	44514.3	44167.4	42437.1	40919.3	39993.1	38930.7	38401.1	38082.1	37682.5	37355.4
-5°	28456.0	36002.7	36595.6	35293.0	33892.3	33010.2	32210.4	31800.4	31684.8	31611.5	31588.4
-7.5°	22054.1	28323.9	29418.7	28505.5	27333.3	26529.0	25892.4	25497.0	25511.6	25522.9	25537.8
-10°	16069.0	21758.2	23531.4	22809.5	21543.8	20916.0	20396.9	19925.0	19943.8	20044.4	20136.8
-12.5°	12616.7	16422.6	18131.4	18072.8	17147.0	16374.1	16127.0	15776.3	15792.8	15884.4	16108.2
-15°	9665.2	12669.6	14089.7	13993.7	13700.2	13179.6	13127.7	13035.1	13079.0	13202.8	13491.3
-17.5°	8120.7	9765.5	11045.4	11232.6	11032.9	11034.6	11038.4	11251.0	11379.8	11587.1	11954.8
-20°	6970.1	8123.0	8785.7	9196.9	9209.6	9496.6	9746.0	10121.5	10368.5	10629.5	10997.1



REPORT NUMBER: P902104 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WB

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	6336.3	6962.1	7576.5	7705.1	8140.1	8434.4	8908.7	9346.2	9721.5	10050.0	10401.2
-25°	5754.3	6407.9	6744.2	7133.1	7461.5	7881.4	8322.6	8790.0	9232.9	9600.1	9885.4
-27.5°	5381.2	5952.3	6408.5	6683.7	7055.8	7475.6	7887.8	8336.5	8799.4	9188.7	9525.3
-30°	5035.8	5665.7	6127.1	6408.7	6752.3	7148.9	7571.1	7990.1	8427.4	8843.9	9239.4
-32.5°	4747.7	5386.0	5907.1	6203.1	6528.7	6913.7	7300.6	7695.7	8088.4	8522.2	8929.9
-35°	4488.8	5159.1	5742.8	6006.6	6340.5	6711.1	7074.6	7465.7	7845.0	8274.3	8701.5
-37.5°	4228.4	4913.7	5496.2	5846.8	6176.4	6541.6	6918.0	7294.2	7653.4	8068.4	8469.6
-40°	3979.9	4656.5	5259.3	5673.3	6013.9	6376.3	6755.8	7134.7	7506.2	7895.5	8265.8
-42.5°	3712.0	4371.9	4939.8	5361.4	5772.6	6156.4	6548.0	6917.2	7319.4	7732.0	8139.8
-45°	3428.2	4048.7	4593.8	5023.6	5437.4	5828.2	6221.5	6624.5	7038.8	7451.1	7910.4
-47.5°	3123.0	3694.4	4215.6	4639.0	4990.4	5407.4	5796.7	6208.0	6633.1	7071.9	7533.9
-50°	2846.3	3330.3	3809.7	4221.0	4556.5	4920.3	5304.5	5692.6	6112.2	6605.2	7054.0
-52.5°	2563.9	2975.1	3419.2	3803.0	4138.5	4454.1	4782.7	5134.7	5541.9	6022.7	6458.7
-55°	2283.2	2654.9	3045.9	3420.9	3730.7	3998.8	4279.4	4564.0	4932.1	5344.2	5788.0
-57.5°	1999.1	2336.2	2709.5	3059.8	3336.4	3579.8	3802.7	4044.1	4349.3	4723.5	5111.3
-60°	1735.2	2009.3	2360.5	2683.2	2927.0	3132.3	3347.3	3567.1	3821.5	4150.3	4502.8
-62.5°	1486.2	1710.9	1976.3	2279.3	2492.7	2673.0	2870.5	3094.2	3326.7	3606.1	3920.5
-65°	1264.7	1438.8	1650.7	1853.6	2069.9	2230.0	2418.3	2624.5	2837.9	3066.7	3333.7
-67.5°	1054.1	1207.8	1358.5	1537.0	1696.3	1845.8	2003.9	2159.0	2328.6	2520.2	2749.1
-70°	885.4	991.3	1122.0	1254.4	1372.4	1505.1	1627.9	1743.6	1871.9	1999.6	2156.3
-72.5°	725.2	822.8	917.1	1006.3	1111.5	1207.8	1294.3	1387.0	1479.4	1558.1	1642.4
-75°	600.1	670.4	739.4	817.7	888.9	955.3	1020.0	1093.6	1156.7	1214.3	1276.1
-77.5°	479.3	536.1	594.6	649.5	698.9	742.9	794.7	847.5	894.9	935.2	975.1
-80°	374.4	417.4	459.1	498.5	538.0	577.7	614.9	650.3	685.0	716.0	748.1
-82.5°	279.1	306.4	334.0	365.7	394.6	424.3	453.3	482.3	510.0	537.0	559.0
-85°	195.2	214.9	233.3	252.7	270.5	289.9	307.0	325.3	343.9	365.1	384.1
-87.5°	99.7	111.4	122.2	134.4	146.8	160.8	173.6	184.9	197.9	210.9	222.0
-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: P902104 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WB

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°	65.5	66.1	68.1	68.0	69.1	71.3	71.4	71.7	72.9	72.5	73.2
85°	224.5	232.4	239.5	247.2	256.2	263.3	268.8	273.8	273.5	274.3	269.0
82.5°	507.7	528.6	553.4	586.8	623.0	645.6	652.6	673.0	703.1	719.6	730.1
80°	931.4	996.0	1077.5	1174.2	1248.8	1303.3	1305.4	1331.5	1397.4	1446.5	1521.2
77.5°	1530.9	1663.0	1815.5	1952.7	2027.3	2047.5	2082.6	2120.1	2196.6	2271.2	2363.4
75°	2282.7	2497.9	2714.5	2880.5	3082.7	3164.6	3331.2	3366.7	3411.9	3505.2	3581.8
72.5°	3223.9	3503.7	3741.6	3934.1	4211.6	4466.0	4708.9	4795.7	4865.3	4999.6	5134.0
70°	4507.1	4736.8	4922.0	5120.8	5346.4	5686.2	5985.8	6190.1	6313.7	6402.3	6475.4
67.5°	6937.9	7310.3	7325.3	7160.3	7487.7	7866.1	8030.6	8075.8	8044.0	7981.1	7945.1
65°	13371.0	13883.5	13487.3	12940.6	13420.8	13187.5	12797.3	12270.0	11903.9	11830.6	11499.9
62.5°	29526.2	33942.3	33371.4	31382.8	32374.5	31509.3	29002.6	27035.8	27349.9	26939.5	26035.5
60°	67973.8	71368.4	74303.9	73064.7	71042.9	70028.5	68068.6	64705.2	62640.3	61043.4	59710.7
57.5°	99167.0	101023.5	103588.0	102858.1	100610.3	99484.7	97462.7	94968.5	92489.2	90587.3	88847.4
55°	108369.3	108846.8	110541.6	110135.2	108730.1	108310.5	106764.2	105482.8	104031.5	103302.0	101267.3
52.5°	102581.0	103121.1	103978.9	104355.8	104232.3	104486.4	104793.0	104435.5	104497.7	104116.5	103615.0
50°	92947.4	93714.1	94753.1	95628.9	96197.2	97162.9	97902.0	97790.4	98313.5	98579.0	98682.1
47.5°	84851.2	85309.2	86349.9	87489.0	88515.1	89577.1	89549.1	89277.7	89189.2	88763.7	88433.5
45°	77211.9	77563.4	78392.3	79644.7	80879.4	81548.8	80833.6	80269.1	79589.9	78657.1	77724.1
42.5°	71023.3	71080.6	71796.9	73093.4	74247.4	74642.5	73827.0	73379.2	72391.6	71052.3	70343.6
40°	67398.5	67421.2	68029.9	69162.5	70316.9	70343.0	69860.4	69371.7	68469.5	67583.2	66758.1
37.5°	66111.0	65848.9	66030.0	66781.1	67608.6	67279.3	67063.2	66623.8	66033.2	65388.2	64801.3
35°	64882.2	63965.8	63855.1	64220.5	64199.3	63967.0	63820.8	63677.2	63510.3	63490.7	63136.4
32.5°	63075.2	61812.6	61341.3	61558.6	61118.9	61045.1	61257.9	61535.5	61891.5	62439.6	62943.7
30°	61262.9	59765.7	59145.6	59112.5	58551.9	58760.3	59278.4	59929.3	60615.5	61469.8	62492.3
27.5°	60096.3	58471.9	57798.5	57560.7	57308.0	57514.6	58107.4	58729.6	59454.3	60339.1	61322.3
25°	59531.2	57768.5	57236.5	56750.7	56362.0	56677.8	57052.2	57497.3	57958.5	58609.7	59342.3
22.5°	58672.1	56961.2	56322.2	55597.2	55222.0	55272.0	55534.5	55675.8	56095.5	56491.9	57092.3
20°	58003.6	56207.2	55586.8	54568.7	54040.3	54046.8	54023.4	54355.0	54675.2	55080.4	55535.0
17.5°	57731.9	56027.1	55144.6	53964.5	53391.9	53225.1	53298.1	53527.8	54009.6	54418.8	54944.6
15°	57329.5	55756.5	54972.0	53633.6	52947.0	52679.1	52618.4	52808.0	53301.7	53621.7	54114.7
12.5°	56622.9	55348.5	54608.4	53196.1	52553.7	52000.5	51802.9	51844.4	52104.5	52393.6	52494.2
10°	55201.9	54385.4	53707.8	52338.5	51591.2	51160.4	50880.2	50678.8	50747.5	50888.1	51063.2
7.5°	53093.1	52524.2	51960.4	50898.3	50178.7	49815.3	49592.7	49396.1	49209.4	49203.3	49359.7
5°	50285.2	49972.6	49576.6	48543.5	48023.5	47647.5	47431.3	47371.7	47312.6	47216.8	47250.5
2.5°	46658.6	46571.6	46392.4	45591.1	45124.7	44870.5	44752.3	44629.5	44544.7	44521.4	44570.0
0°	42442.0	42581.5	42563.1	41905.4	41550.4	41327.0	41138.9	41011.2	40922.8	40799.3	40740.2
-2.5°	37395.4	37642.8	37828.7	37469.4	37317.1	37137.2	36989.2	36827.2	36628.2	36521.2	36448.6
-5°	31797.3	32098.4	32380.5	32201.2	32153.3	31985.2	31792.9	31633.3	31508.1	31344.8	31275.2
-7.5°	25820.8	26180.1	26437.4	26453.0	26429.9	26242.2	26073.1	25910.7	25787.7	25675.9	25621.8
-10°	20509.6	20788.4	21045.2	21152.8	21114.2	21003.4	20836.2	20650.3	20547.7	20539.6	20509.6
-12.5°	16424.2	16826.7	17047.3	17131.2	17228.4	17165.1	17064.3	16986.1	16915.1	16886.5	16850.6
-15°	13818.5	14271.2	14610.3	14884.7	15025.2	14994.5	14960.0	14956.5	14939.2	14898.0	14849.0
-17.5°	12391.7	12914.6	13303.2	13644.7	13947.0	13990.3	13974.6	14013.9	14002.6	14015.6	14011.7
-20°	11442.5	12059.2	12557.6	12961.7	13306.2	13420.2	13414.8	13406.8	13393.4	13334.2	13302.2



REPORT NUMBER: P902104 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WB

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10836.4	11457.3	12004.9	12441.9	12812.9	12996.1	12990.0	12995.6	13005.4	13033.0	13057.2
-25°	10276.4	10935.3	11508.4	11978.9	12429.5	12757.2	12818.2	12830.6	12874.1	12915.6	12962.0
-27.5°	9920.7	10525.2	11213.7	11734.8	12245.8	12626.9	12697.1	12683.4	12744.4	12774.8	12819.3
-30°	9647.2	10243.3	10948.1	11507.4	12024.7	12438.4	12604.2	12550.4	12552.4	12585.5	12608.2
-32.5°	9379.1	9934.3	10623.0	11242.5	11749.7	12196.0	12406.5	12373.1	12321.8	12329.4	12372.0
-35°	9121.2	9600.7	10272.4	10908.2	11401.6	11864.7	12129.2	12107.5	12057.1	12036.3	12060.6
-37.5°	8851.1	9257.4	9855.1	10481.0	10994.6	11434.2	11749.1	11782.3	11721.8	11696.0	11678.2
-40°	8637.6	9002.8	9470.4	10028.8	10527.6	10937.6	11248.0	11359.5	11320.3	11285.0	11242.8
-42.5°	8496.2	8785.6	9094.5	9558.7	10020.4	10368.8	10685.7	10866.9	10836.2	10799.1	10740.2
-45°	8260.4	8512.4	8725.8	9022.5	9395.6	9729.2	10024.2	10209.1	10234.3	10195.4	10174.8
-47.5°	7891.5	8135.5	8276.6	8454.8	8725.4	9029.6	9283.1	9475.4	9560.2	9529.7	9489.7
-50°	7452.9	7677.1	7767.9	7863.3	8068.8	8299.5	8525.7	8719.8	8835.4	8823.0	8787.2
-52.5°	6851.8	7047.0	7133.0	7193.2	7366.2	7551.0	7749.3	7895.5	8011.3	8082.5	8095.0
-55°	6127.1	6322.0	6390.5	6432.6	6544.6	6710.2	6917.0	7042.6	7144.4	7221.5	7283.6
-57.5°	5437.7	5588.0	5603.2	5660.2	5741.6	5865.0	6058.0	6234.7	6335.9	6429.6	6521.6
-60°	4770.4	4910.9	4939.6	4980.3	5076.3	5215.2	5373.6	5516.1	5646.6	5734.9	5796.5
-62.5°	4165.7	4283.2	4317.8	4360.1	4442.4	4553.6	4696.8	4826.4	4937.6	5001.2	5050.1
-65°	3538.3	3638.2	3678.3	3735.1	3815.8	3906.0	4021.0	4141.1	4238.2	4268.3	4318.3
-67.5°	2939.4	3039.4	3085.1	3142.4	3205.0	3275.1	3352.5	3434.4	3518.9	3576.1	3604.0
-70°	2334.1	2466.4	2528.5	2564.2	2603.0	2650.8	2698.5	2754.0	2805.8	2842.3	2854.9
-72.5°	1769.7	1912.1	2006.1	2047.6	2072.1	2105.6	2144.7	2189.7	2229.5	2252.3	2259.8
-75°	1362.5	1468.0	1555.7	1597.5	1617.5	1639.1	1675.5	1724.7	1763.8	1782.1	1783.7
-77.5°	1032.9	1106.3	1172.8	1200.5	1213.4	1232.8	1262.4	1296.0	1323.8	1338.9	1339.7
-80°	785.7	829.8	870.3	886.4	890.0	902.2	920.4	943.4	963.0	974.2	974.3
-82.5°	580.7	606.0	628.9	643.8	655.0	670.8	685.0	699.0	710.5	717.2	716.9
-85°	399.1	418.1	438.5	448.3	454.8	462.9	469.4	477.0	480.9	483.6	482.1
-87.5°	231.4	242.0	251.0	259.1	266.2	273.1	279.3	285.6	291.4	296.9	299.8
-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: P902104 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WB

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°	73.5	72.4	72.2	70.4	72.2	72.4	73.5	73.2	72.5	72.9	71.7
85°	262.9	259.6	258.1	255.7	258.1	259.6	262.9	269.0	274.3	273.5	273.8
82.5°	727.4	709.6	687.7	674.5	687.7	709.6	727.4	730.1	719.6	703.1	673.0
80°	1553.9	1537.4	1493.6	1485.6	1493.6	1537.4	1553.9	1521.2	1446.5	1397.4	1331.5
77.5°	2398.9	2384.6	2336.0	2317.6	2336.0	2384.6	2398.9	2363.4	2271.2	2196.6	2120.1
75°	3590.2	3583.7	3534.7	3504.5	3534.7	3583.7	3590.2	3581.8	3505.2	3411.9	3366.7
72.5°	5150.3	5141.8	5066.0	5038.3	5066.0	5141.8	5150.3	5134.0	4999.6	4865.3	4795.7
70°	6465.3	6430.0	6351.7	6340.1	6351.7	6430.0	6465.3	6475.4	6402.3	6313.7	6190.1
67.5°	7867.1	7739.6	7649.8	7634.8	7649.8	7739.6	7867.1	7945.1	7981.1	8044.0	8075.8
65°	11152.6	10878.4	10714.7	10673.9	10714.7	10878.4	11152.6	11499.9	11830.6	11903.9	12270.0
62.5°	25113.7	24445.0	24048.2	23923.6	24048.2	24445.0	25113.7	26035.5	26939.5	27349.9	27035.8
60°	58542.5	57780.5	57299.8	57201.8	57299.8	57780.5	58542.5	59710.7	61043.4	62640.3	64705.2
57.5°	86447.2	84644.3	83587.0	83288.9	83587.0	84644.3	86447.2	88847.4	90587.3	92489.2	94968.5
55°	99643.2	98572.8	97811.2	97682.5	97811.2	98572.8	99643.2	101267.3	103302.0	104031.5	105482.8
52.5°	103119.5	102744.0	102308.7	102183.0	102308.7	102744.0	103119.5	103615.0	104116.5	104497.7	104435.5
50°	98723.9	98615.3	98384.8	98594.9	98384.8	98615.3	98723.9	98682.1	98579.0	98313.5	97790.4
47.5°	88219.9	87842.9	87433.3	87327.6	87433.3	87842.9	88219.9	88433.5	88763.7	89189.2	89277.7
45°	77241.9	76635.0	76107.3	75863.4	76107.3	76635.0	77241.9	77724.1	78657.1	79589.9	80269.1
42.5°	69766.0	69124.9	68539.7	68435.7	68539.7	69124.9	69766.0	70343.6	71052.3	72391.6	73379.2
40°	66110.9	65603.2	65181.2	65172.3	65181.2	65603.2	66110.9	66758.1	67583.2	68469.5	69371.7
37.5°	64365.3	64063.5	63769.8	63762.0	63769.8	64063.5	64365.3	64801.3	65388.2	66033.2	66623.8
35°	63050.9	63247.2	63170.7	63272.3	63170.7	63247.2	63050.9	63136.4	63490.7	63510.3	63677.2
32.5°	63509.9	64217.3	64700.3	65050.4	64700.3	64217.3	63509.9	62943.7	62439.6	61891.5	61535.5
30°	63622.4	65051.0	66049.3	66926.9	66049.3	65051.0	63622.4	62492.3	61469.8	60615.5	59929.3
27.5°	62504.3	63924.9	64814.2	65403.0	64814.2	63924.9	62504.3	61322.3	60339.1	59454.3	58729.6
25°	60175.5	61076.3	61701.8	61995.6	61701.8	61076.3	60175.5	59342.3	58609.7	57958.5	57497.3
22.5°	57673.3	58207.6	58664.2	58773.7	58664.2	58207.6	57673.3	57092.3	56491.9	56095.5	55675.8
20°	56015.2	56471.7	56800.6	56930.0	56800.6	56471.7	56015.2	55535.0	55080.4	54675.2	54355.0
17.5°	55325.7	55841.3	56108.5	56123.4	56108.5	55841.3	55325.7	54944.6	54418.8	54009.6	53527.8
15°	54352.4	54683.1	54928.6	54910.6	54928.6	54683.1	54352.4	54114.7	53621.7	53301.7	52808.0
12.5°	52831.4	53029.6	53165.5	53108.1	53165.5	53029.6	52831.4	52494.2	52393.6	52104.5	51844.4
10°	51110.3	51325.1	51304.7	51372.6	51304.7	51325.1	51110.3	51063.2	50888.1	50747.5	50678.8
7.5°	49437.3	49501.4	49563.7	49615.2	49563.7	49501.4	49437.3	49359.7	49203.3	49209.4	49396.1
5°	47385.0	47538.4	47539.7	47470.5	47539.7	47538.4	47385.0	47250.5	47216.8	47312.6	47371.7
2.5°	44526.3	44529.9	44601.1	44440.6	44601.1	44529.9	44526.3	44570.0	44521.4	44544.7	44629.5
0°	40658.7	40682.0	40751.8	40829.4	40751.8	40682.0	40658.7	40740.2	40799.3	40922.8	41011.2
-2.5°	36348.0	36365.7	36308.4	36343.8	36308.4	36365.7	36348.0	36448.6	36521.2	36628.2	36827.2
-5°	31222.6	31207.1	31148.0	31234.9	31148.0	31207.1	31222.6	31275.2	31344.8	31508.1	31633.3
-7.5°	25637.9	25674.7	25627.1	25720.9	25627.1	25674.7	25637.9	25621.8	25675.9	25787.7	25910.7
-10°	20575.3	20569.9	20569.9	20533.0	20569.9	20569.9	20575.3	20509.6	20539.6	20547.7	20650.3
-12.5°	16931.0	16964.8	16984.6	17003.3	16984.6	16964.8	16931.0	16850.6	16886.5	16915.1	16986.1
-15°	14892.0	14891.1	14985.8	15029.1	14985.8	14891.1	14892.0	14849.0	14898.0	14939.2	14956.5
-17.5°	13987.1	13969.7	14004.9	14055.6	14004.9	13969.7	13987.1	14011.7	14015.6	14002.6	14013.9
-20°	13319.2	13312.0	13243.5	13288.2	13243.5	13312.0	13319.2	13302.2	13334.2	13393.4	13406.8



REPORT NUMBER: P902104 (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°	13109.1	13086.8	13080.9	13172.0	13080.9	13086.8	13109.1	13057.2	13033.0	13005.4	12995.6
-25°	12979.9	12993.6	12983.9	13063.5	12983.9	12993.6	12979.9	12962.0	12915.6	12874.1	12830.6
-27.5°	12820.6	12858.3	12872.4	12941.8	12872.4	12858.3	12820.6	12819.3	12774.8	12744.4	12683.4
-30°	12637.5	12662.6	12651.9	12718.3	12651.9	12662.6	12637.5	12608.2	12585.5	12552.4	12550.4
-32.5°	12398.5	12403.8	12417.7	12458.7	12417.7	12403.8	12398.5	12372.0	12329.4	12321.8	12373.1
-35°	12076.0	12056.2	12045.2	12100.5	12045.2	12056.2	12076.0	12060.6	12036.3	12057.1	12107.5
-37.5°	11654.5	11657.9	11648.1	11691.8	11648.1	11657.9	11654.5	11678.2	11696.0	11721.8	11782.3
-40°	11215.5	11185.7	11170.2	11209.4	11170.2	11185.7	11215.5	11242.8	11285.0	11320.3	11359.5
-42.5°	10710.8	10679.9	10682.9	10717.0	10682.9	10679.9	10710.8	10740.2	10799.1	10836.2	10866.9
-45°	10145.8	10118.0	10126.5	10187.2	10126.5	10118.0	10145.8	10174.8	10195.4	10234.3	10209.1
-47.5°	9470.5	9428.7	9453.8	9502.0	9453.8	9428.7	9470.5	9489.7	9529.7	9560.2	9475.4
-50°	8762.4	8738.7	8756.8	8800.2	8756.8	8738.7	8762.4	8787.2	8823.0	8835.4	8719.8
-52.5°	8073.0	8094.8	8186.2	8280.9	8186.2	8094.8	8073.0	8095.0	8082.5	8011.3	7895.5
-55°	7323.0	7384.1	7535.5	7658.8	7535.5	7384.1	7323.0	7283.6	7221.5	7144.4	7042.6
-57.5°	6576.1	6630.3	6757.9	6849.9	6757.9	6630.3	6576.1	6521.6	6429.6	6335.9	6234.7
-60°	5875.0	5930.6	6004.6	6071.3	6004.6	5930.6	5875.0	5796.5	5734.9	5646.6	5516.1
-62.5°	5074.7	5104.0	5172.6	5209.1	5172.6	5104.0	5074.7	5050.1	5001.2	4937.6	4826.4
-65°	4350.5	4383.8	4417.0	4453.9	4417.0	4383.8	4350.5	4318.3	4268.3	4238.2	4141.1
-67.5°	3619.7	3629.3	3650.0	3665.2	3650.0	3629.3	3619.7	3604.0	3576.1	3518.9	3434.4
-70°	2865.1	2871.4	2903.0	2932.5	2903.0	2871.4	2865.1	2854.9	2842.3	2805.8	2754.0
-72.5°	2288.1	2316.3	2350.9	2376.9	2350.9	2316.3	2288.1	2259.8	2252.3	2229.5	2189.7
-75°	1792.3	1808.3	1849.0	1881.0	1849.0	1808.3	1792.3	1783.7	1782.1	1763.8	1724.7
-77.5°	1337.9	1339.5	1362.8	1383.4	1362.8	1339.5	1337.9	1339.7	1338.9	1323.8	1296.0
-80°	966.7	959.3	959.4	965.2	959.4	959.3	966.7	974.3	974.2	963.0	943.4
-82.5°	714.3	708.8	708.0	708.8	708.0	708.8	714.3	716.9	717.2	710.5	699.0
-85°	480.8	478.2	478.3	479.4	478.3	478.2	480.8	482.1	483.6	480.9	477.0
-87.5°	302.3	302.6	304.4	305.0	304.4	302.6	302.3	299.8	296.9	291.4	285.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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°	71.4	71.3	69.1	68.0	68.1	66.1	65.5	63.2	64.6	65.5	66.0
85°	268.8	263.3	256.2	247.2	239.5	232.4	224.5	216.6	214.6	212.9	210.8
82.5°	652.6	645.6	623.0	586.8	553.4	528.6	507.7	490.5	475.0	461.1	446.6
80°	1305.4	1303.3	1248.8	1174.2	1077.5	996.0	931.4	883.3	850.9	817.4	780.4
77.5°	2082.6	2047.5	2027.3	1952.7	1815.5	1663.0	1530.9	1429.8	1357.8	1282.7	1205.8
75°	3331.2	3164.6	3082.7	2880.5	2714.5	2497.9	2282.7	2122.0	1998.5	1868.8	1731.3
72.5°	4708.9	4466.0	4211.6	3934.1	3741.6	3503.7	3223.9	2973.9	2808.3	2631.5	2406.1
70°	5985.8	5686.2	5346.4	5120.8	4922.0	4736.8	4507.1	4222.1	4041.9	3795.5	3333.0
67.5°	8030.6	7866.1	7487.7	7160.3	7325.3	7310.3	6937.9	6745.3	6595.9	6001.4	5356.8
65°	12797.3	13187.5	13420.8	12940.6	13487.3	13883.5	13371.0	12591.7	11978.5	10379.4	9064.0
62.5°	29002.6	31509.3	32374.5	31382.8	33371.4	33942.3	29526.2	27586.9	24674.1	18535.5	15865.1
60°	68068.6	70028.5	71042.9	73064.7	74303.9	71368.4	67973.8	60660.0	49889.4	40152.2	30236.7
57.5°	97462.7	99484.7	100610.3	102858.1	103588.0	101023.5	99167.0	90300.9	80966.7	67215.4	52880.6
55°	106764.2	108310.5	108730.1	110135.2	110541.6	108846.8	108369.3	103197.3	99715.9	88330.9	76965.1
52.5°	104793.0	104486.4	104232.3	104355.8	103978.9	103121.1	102581.0	101836.1	101581.3	98483.6	92435.9
50°	97902.0	97162.9	96197.2	95628.9	94753.1	93714.1	92947.4	93643.0	94636.6	97034.4	96540.4
47.5°	89549.1	89577.1	88515.1	87489.0	86349.9	85309.2	84851.2	85346.0	87040.4	89826.2	93753.3
45°	80833.6	81548.8	80879.4	79644.7	78392.3	77563.4	77211.9	77611.2	79824.1	83045.3	87343.1
42.5°	73827.0	74642.5	74247.4	73093.4	71796.9	71080.6	71023.3	71476.7	73816.6	77437.2	81954.5
40°	69860.4	70343.0	70316.9	69162.5	68029.9	67421.2	67398.5	68257.9	70061.0	73756.1	78469.2
37.5°	67063.2	67279.3	67608.6	66781.1	66030.0	65848.9	66111.0	67236.6	69322.3	72634.4	77229.6
35°	63820.8	63967.0	64199.3	64220.5	63855.1	63965.8	64882.2	66259.2	68406.2	71694.7	76293.3
32.5°	61257.9	61045.1	61118.9	61558.6	61341.3	61812.6	63075.2	64838.9	67013.2	70322.2	74846.6
30°	59278.4	58760.3	58551.9	59112.5	59145.6	59765.7	61262.9	63224.3	65677.7	68943.3	73356.4
27.5°	58107.4	57514.6	57308.0	57560.7	57798.5	58471.9	60096.3	62301.8	64917.3	68212.9	72575.8
25°	57052.2	56677.8	56362.0	56750.7	57236.5	57768.5	59531.2	61811.6	64612.7	68010.9	72199.4
22.5°	55534.5	55272.0	55222.0	55597.2	56322.2	56961.2	58672.1	61214.8	64311.9	67778.3	71707.4
20°	54023.4	54046.8	54040.3	54568.7	55586.8	56207.2	58003.6	60674.6	63796.7	67197.7	70979.6
17.5°	53298.1	53225.1	53391.9	53964.5	55144.6	56027.1	57731.9	60265.3	63343.7	66615.7	70051.1
15°	52618.4	52679.1	52947.0	53633.6	54972.0	55756.5	57329.5	59616.2	62553.4	65532.2	68600.5
12.5°	51802.9	52000.5	52553.7	53196.1	54608.4	55348.5	56622.9	58680.2	61167.0	63611.6	66236.4
10°	50880.2	51160.4	51591.2	52338.5	53707.8	54385.4	55201.9	56902.0	58852.3	60928.8	63156.6
7.5°	49592.7	49815.3	50178.7	50898.3	51960.4	52524.2	53093.1	54340.1	55848.2	57543.6	59305.0
5°	47431.3	47647.5	48023.5	48543.5	49576.6	49972.6	50285.2	51082.8	52179.5	53507.9	54912.0
2.5°	44752.3	44870.5	45124.7	45591.1	46392.4	46571.6	46658.6	47113.0	47889.7	48925.4	49887.0
0°	41138.9	41327.0	41550.4	41905.4	42563.1	42581.5	42442.0	42612.0	43004.7	43637.0	44389.5
-2.5°	36989.2	37137.2	37317.1	37469.4	37828.7	37642.8	37395.4	37355.4	37682.5	38082.1	38401.1
-5°	31792.9	31985.2	32153.3	32201.2	32380.5	32098.4	31797.3	31588.4	31611.5	31684.8	31800.4
-7.5°	26073.1	26242.2	26429.9	26453.0	26437.4	26180.1	25820.8	25537.8	25522.9	25511.6	25497.0
-10°	20836.2	21003.4	21114.2	21152.8	21045.2	20788.4	20509.6	20136.8	20044.4	19943.8	19925.0
-12.5°	17064.3	17165.1	17228.4	17131.2	17047.3	16826.7	16424.2	16108.2	15884.4	15792.8	15776.3
-15°	14960.0	14994.5	15025.2	14884.7	14610.3	14271.2	13818.5	13491.3	13202.8	13079.0	13035.1
-17.5°	13974.6	13990.3	13947.0	13644.7	13303.2	12914.6	12391.7	11954.8	11587.1	11379.8	11251.0
-20°	13414.8	13420.2	13306.2	12961.7	12557.6	12059.2	11442.5	10997.1	10629.5	10368.5	10121.5



REPORT NUMBER: P902104 (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°	12990.0	12996.1	12812.9	12441.9	12004.9	11457.3	10836.4	10401.2	10050.0	9721.5	9346.2
-25°	12818.2	12757.2	12429.5	11978.9	11508.4	10935.3	10276.4	9885.4	9600.1	9232.9	8790.0
-27.5°	12697.1	12626.9	12245.8	11734.8	11213.7	10525.2	9920.7	9525.3	9188.7	8799.4	8336.5
-30°	12604.2	12438.4	12024.7	11507.4	10948.1	10243.3	9647.2	9239.4	8843.9	8427.4	7990.1
-32.5°	12406.5	12196.0	11749.7	11242.5	10623.0	9934.3	9379.1	8929.9	8522.2	8088.4	7695.7
-35°	12129.2	11864.7	11401.6	10908.2	10272.4	9600.7	9121.2	8701.5	8274.3	7845.0	7465.7
-37.5°	11749.1	11434.2	10994.6	10481.0	9855.1	9257.4	8851.1	8469.6	8068.4	7653.4	7294.2
-40°	11248.0	10937.6	10527.6	10028.8	9470.4	9002.8	8637.6	8265.8	7895.5	7506.2	7134.7
-42.5°	10685.7	10368.8	10020.4	9558.7	9094.5	8785.6	8496.2	8139.8	7732.0	7319.4	6917.2
-45°	10024.2	9729.2	9395.6	9022.5	8725.8	8512.4	8260.4	7910.4	7451.1	7038.8	6624.5
-47.5°	9283.1	9029.6	8725.4	8454.8	8276.6	8135.5	7891.5	7533.9	7071.9	6633.1	6208.0
-50°	8525.7	8299.5	8068.8	7863.3	7767.9	7677.1	7452.9	7054.0	6605.2	6112.2	5692.6
-52.5°	7749.3	7551.0	7366.2	7193.2	7133.0	7047.0	6851.8	6458.7	6022.7	5541.9	5134.7
-55°	6917.0	6710.2	6544.6	6432.6	6390.5	6322.0	6127.1	5788.0	5344.2	4932.1	4564.0
-57.5°	6058.0	5865.0	5741.6	5660.2	5603.2	5588.0	5437.7	5111.3	4723.5	4349.3	4044.1
-60°	5373.6	5215.2	5076.3	4980.3	4939.6	4910.9	4770.4	4502.8	4150.3	3821.5	3567.1
-62.5°	4696.8	4553.6	4442.4	4360.1	4317.8	4283.2	4165.7	3920.5	3606.1	3326.7	3094.2
-65°	4021.0	3906.0	3815.8	3735.1	3678.3	3638.2	3538.3	3333.7	3066.7	2837.9	2624.5
-67.5°	3352.5	3275.1	3205.0	3142.4	3085.1	3039.4	2939.4	2749.1	2520.2	2328.6	2159.0
-70°	2698.5	2650.8	2603.0	2564.2	2528.5	2466.4	2334.1	2156.3	1999.6	1871.9	1743.6
-72.5°	2144.7	2105.6	2072.1	2047.6	2006.1	1912.1	1769.7	1642.4	1558.1	1479.4	1387.0
-75°	1675.5	1639.1	1617.5	1597.5	1555.7	1468.0	1362.5	1276.1	1214.3	1156.7	1093.6
-77.5°	1262.4	1232.8	1213.4	1200.5	1172.8	1106.3	1032.9	975.1	935.2	894.9	847.5
-80°	920.4	902.2	890.0	886.4	870.3	829.8	785.7	748.1	716.0	685.0	650.3
-82.5°	685.0	670.8	655.0	643.8	628.9	606.0	580.7	559.0	537.0	510.0	482.3
-85°	469.4	462.9	454.8	448.3	438.5	418.1	399.1	384.1	365.1	343.9	325.3
-87.5°	279.3	273.1	266.2	259.1	251.0	242.0	231.4	222.0	210.9	197.9	184.9
-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: P902104 (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°	66.2	67.3	66.5	66.5	64.8	63.7	62.0	58.6	55.7	51.3	46.5
85°	205.0	198.2	188.3	177.7	164.4	151.4	138.0	122.3	111.4	102.7	93.0
82.5°	423.6	399.0	369.0	336.4	298.3	275.1	252.5	227.5	201.9	175.4	148.8
80°	725.8	671.6	611.5	566.0	515.6	459.6	402.8	344.9	295.6	259.1	222.9
77.5°	1111.5	1013.1	936.5	860.0	772.6	672.5	585.1	512.5	436.7	358.6	296.6
75°	1582.3	1469.7	1351.0	1217.0	1067.4	948.5	821.7	695.9	589.2	496.5	398.5
72.5°	2196.4	2026.5	1843.3	1647.8	1466.7	1268.0	1072.4	921.8	771.4	632.7	515.2
70°	3091.1	2800.3	2408.0	2157.4	1893.3	1620.6	1378.0	1154.6	965.2	792.9	629.5
67.5°	4851.7	4013.0	3418.8	2858.5	2349.6	2014.0	1681.8	1402.0	1163.3	952.5	760.4
65°	7670.9	6261.9	4990.3	3735.8	3009.3	2428.0	2014.1	1649.9	1365.8	1115.7	891.1
62.5°	11744.5	9043.8	6907.6	5089.7	3759.3	2939.1	2357.2	1913.9	1567.2	1287.2	1018.1
60°	20627.5	15099.0	9332.9	6808.4	4719.4	3547.9	2745.4	2183.8	1785.1	1453.9	1162.1
57.5°	39505.7	26020.4	17442.2	8927.4	6308.1	4301.1	3210.7	2492.8	1995.6	1633.0	1302.4
55°	60904.6	45167.0	29855.7	18188.2	8191.9	5586.3	3808.1	2777.1	2236.0	1810.7	1438.1
52.5°	81112.0	65188.0	47701.0	30414.1	16892.3	7103.3	4596.1	3215.3	2471.5	1982.7	1584.1
50°	94213.1	82896.5	66461.4	47660.0	27289.4	13274.0	5667.6	3617.2	2733.8	2180.2	1725.7
47.5°	95968.9	94809.4	83425.6	65170.5	44332.8	20618.1	7464.6	4204.2	3065.9	2367.1	1860.5
45°	93118.5	96454.8	93903.2	82447.3	60798.8	33791.4	12670.5	4723.1	3375.0	2546.7	2003.0
42.5°	87691.6	94809.2	97856.7	92304.0	76485.0	48481.5	16759.7	5663.2	3729.0	2807.2	2156.0
40°	84246.4	91185.3	98188.0	100956.0	89948.9	62826.0	27881.8	8483.1	4093.0	3054.1	2304.2
37.5°	82466.8	89117.6	96861.7	102154.1	98162.2	77281.4	38929.5	10459.1	4450.4	3286.1	2447.0
35°	81590.8	87615.1	95074.1	103263.8	105477.1	90460.4	49509.5	14526.3	5280.9	3554.4	2619.1
32.5°	80161.1	85907.0	92868.5	100719.1	105607.4	96872.4	62177.9	22123.3	6376.5	3838.3	2808.5
30°	78839.2	84031.1	90144.9	97695.2	105594.6	102442.3	74412.6	28000.4	7230.3	4098.8	2986.8
27.5°	77904.2	83005.2	88362.2	95164.5	103545.7	104913.7	83114.6	32500.4	7818.5	4332.1	3152.2
25°	77284.3	82365.1	86959.9	92950.3	100868.6	103253.6	86199.4	41217.2	10494.1	4586.3	3304.3
22.5°	76509.8	81347.5	85498.3	90806.6	97804.0	102214.5	88062.7	48415.2	13628.3	5043.9	3448.2
20°	75413.0	79957.5	84000.6	88508.9	95027.4	100226.5	89472.9	54101.0	15787.2	5400.9	3589.9
17.5°	73925.7	78229.5	81742.9	85803.5	91362.3	96252.8	88307.6	58043.3	17161.1	5686.2	3711.8
15°	71848.0	75794.3	78698.4	82514.3	87353.0	91452.3	84789.3	59339.9	17939.3	5894.0	3805.4
12.5°	68954.6	72430.7	75186.4	78346.4	82885.9	86653.6	80287.6	57559.6	18052.0	6033.1	3868.9
10°	65325.8	68306.6	70995.6	73858.9	77658.8	81102.2	75500.3	54611.0	18974.2	6113.8	3913.1
7.5°	61031.3	63645.1	65970.1	68747.2	72261.9	75110.5	69236.7	50150.1	19262.6	6139.3	3934.0
5°	56270.3	58509.5	60481.0	62884.4	66019.2	68565.9	62539.3	44896.4	18451.9	6078.2	3917.4
2.5°	51026.4	52939.1	54511.1	56606.3	59241.8	61066.0	54270.7	38385.8	16741.2	5958.4	3882.9
0°	45246.1	46707.6	48065.8	49864.9	52064.8	53167.0	45593.5	31398.8	14428.4	5797.7	3830.8
-2.5°	38930.7	39993.1	40919.3	42437.1	44167.4	44514.3	37036.7	25297.7	12279.4	5569.2	3739.2
-5°	32210.4	33010.2	33892.3	35293.0	36595.6	36002.7	28456.0	19054.2	10025.1	5313.6	3632.0
-7.5°	25892.4	26529.0	27333.3	28505.5	29418.7	28323.9	22054.1	14854.7	8330.9	5039.0	3510.6
-10°	20396.9	20916.0	21543.8	22809.5	23531.4	21758.2	16069.0	11143.4	7101.5	4752.0	3368.2
-12.5°	16127.0	16374.1	17147.0	18072.8	18131.4	16422.6	12616.7	8938.4	6151.7	4454.5	3214.9
-15°	13127.7	13179.6	13700.2	13993.7	14089.7	12669.6	9665.2	7534.5	5654.6	4168.1	3055.2
-17.5°	11038.4	11034.6	11032.9	11232.6	11045.4	9765.5	8120.7	6595.6	5170.3	3901.0	2904.0
-20°	9746.0	9496.6	9209.6	9196.9	8785.7	8123.0	6970.1	5995.4	4763.2	3635.3	2759.0



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	8908.7	8434.4	8140.1	7705.1	7576.5	6962.1	6336.3	5448.7	4406.4	3394.6	2611.2
-25°	8322.6	7881.4	7461.5	7133.1	6744.2	6407.9	5754.3	5020.3	4061.2	3175.2	2478.1
-27.5°	7887.8	7475.6	7055.8	6683.7	6408.5	5952.3	5381.2	4628.4	3790.6	2996.3	2366.5
-30°	7571.1	7148.9	6752.3	6408.7	6127.1	5665.7	5035.8	4322.9	3556.2	2833.6	2250.5
-32.5°	7300.6	6913.7	6528.7	6203.1	5907.1	5386.0	4747.7	4051.3	3328.1	2682.4	2130.5
-35°	7074.6	6711.1	6340.5	6006.6	5742.8	5159.1	4488.8	3788.0	3122.7	2527.5	2011.1
-37.5°	6918.0	6541.6	6176.4	5846.8	5496.2	4913.7	4228.4	3561.3	2933.6	2379.2	1898.6
-40°	6755.8	6376.3	6013.9	5673.3	5259.3	4656.5	3979.9	3328.4	2754.7	2240.5	1788.6
-42.5°	6548.0	6156.4	5772.6	5361.4	4939.8	4371.9	3712.0	3082.2	2570.1	2093.0	1673.0
-45°	6221.5	5828.2	5437.4	5023.6	4593.8	4048.7	3428.2	2864.1	2385.1	1937.1	1552.0
-47.5°	5796.7	5407.4	4990.4	4639.0	4215.6	3694.4	3123.0	2642.5	2199.4	1790.5	1432.8
-50°	5304.5	4920.3	4556.5	4221.0	3809.7	3330.3	2846.3	2412.2	2003.7	1636.7	1317.1
-52.5°	4782.7	4454.1	4138.5	3803.0	3419.2	2975.1	2563.9	2177.6	1812.1	1476.1	1197.3
-55°	4279.4	3998.8	3730.7	3420.9	3045.9	2654.9	2283.2	1932.5	1619.9	1332.7	1075.7
-57.5°	3802.7	3579.8	3336.4	3059.8	2709.5	2336.2	1999.1	1709.4	1425.9	1184.3	968.3
-60°	3347.3	3132.3	2927.0	2683.2	2360.5	2009.3	1735.2	1482.6	1253.7	1037.1	858.5
-62.5°	2870.5	2673.0	2492.7	2279.3	1976.3	1710.9	1486.2	1282.0	1078.6	912.0	747.6
-65°	2418.3	2230.0	2069.9	1853.6	1650.7	1438.8	1264.7	1087.0	932.3	785.5	659.0
-67.5°	2003.9	1845.8	1696.3	1537.0	1358.5	1207.8	1054.1	923.5	793.0	675.8	570.0
-70°	1627.9	1505.1	1372.4	1254.4	1122.0	991.3	885.4	773.0	670.2	577.0	483.4
-72.5°	1294.3	1207.8	1111.5	1006.3	917.1	822.8	725.2	645.7	562.0	480.4	415.2
-75°	1020.0	955.3	888.9	817.7	739.4	670.4	600.1	528.7	461.6	404.7	346.6
-77.5°	794.7	742.9	698.9	649.5	594.6	536.1	479.3	428.5	377.7	328.6	283.7
-80°	614.9	577.7	538.0	498.5	459.1	417.4	374.4	333.6	296.3	263.4	231.0
-82.5°	453.3	424.3	394.6	365.7	334.0	306.4	279.1	253.0	227.0	202.3	177.9
-85°	307.0	289.9	270.5	252.7	233.3	214.9	195.2	175.6	156.5	138.3	120.3
-87.5°	173.6	160.8	146.8	134.4	122.2	111.4	99.7	88.4	78.3	69.2	60.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	41.2	35.5	29.2	22.3	15.3	7.6	0.0
85°	82.4	70.9	58.4	44.5	30.5	15.3	0.0
82.5°	123.5	106.2	87.5	66.7	45.7	22.9	0.0
80°	184.7	146.2	116.5	88.7	60.8	30.4	0.0
77.5°	247.5	197.2	148.9	110.7	75.8	37.9	0.0
75°	309.6	247.6	187.5	132.5	90.6	45.4	0.0
72.5°	396.7	297.0	225.5	158.9	105.3	52.7	0.0
70°	490.8	358.3	262.8	186.1	119.7	60.0	0.0
67.5°	582.6	431.8	299.4	212.7	134.0	67.1	0.0
65°	681.2	503.5	345.6	238.7	149.3	74.1	0.0
62.5°	787.5	573.0	399.7	264.0	165.4	81.0	0.0
60°	890.4	648.0	452.2	288.5	181.0	87.8	0.0
57.5°	989.8	730.0	502.8	313.2	196.1	94.3	0.0
55°	1105.4	809.2	551.6	348.6	210.8	100.7	0.0
52.5°	1217.0	885.5	601.0	382.5	224.9	106.9	0.0
50°	1324.0	958.2	658.5	415.0	238.5	113.0	0.0
47.5°	1428.0	1042.1	713.1	446.0	251.5	118.8	0.0
45°	1538.7	1121.8	764.4	475.3	263.8	124.4	0.0
42.5°	1644.4	1197.3	812.7	502.9	275.5	129.7	0.0
40°	1745.7	1268.2	857.9	528.6	286.6	134.8	0.0
37.5°	1843.8	1334.5	899.9	552.4	297.0	139.7	0.0
35°	1952.8	1406.0	945.9	579.6	310.6	144.7	0.0
32.5°	2065.3	1478.8	991.7	606.6	324.6	149.4	0.0
30°	2171.9	1547.7	1033.7	631.2	337.5	153.9	0.0
27.5°	2271.8	1612.3	1071.0	653.4	349.6	158.0	0.0
25°	2364.3	1672.4	1104.1	673.2	360.6	161.7	0.0
22.5°	2449.1	1726.5	1133.1	690.5	370.4	165.1	0.0
20°	2534.1	1772.0	1158.1	705.4	379.1	168.2	0.0
17.5°	2618.1	1811.8	1179.0	718.6	386.6	170.9	0.0
15°	2684.0	1849.1	1195.7	729.7	393.0	173.3	0.0
12.5°	2735.6	1883.2	1208.2	738.4	398.2	175.3	0.0
10°	2773.3	1902.4	1216.3	744.7	402.2	177.0	0.0
7.5°	2782.3	1907.5	1220.2	748.8	405.1	178.3	0.0
5°	2773.1	1904.5	1220.0	750.5	406.9	179.2	0.0
2.5°	2751.6	1893.6	1215.9	750.0	407.6	179.7	0.0
0°	2718.5	1874.9	1207.9	747.3	407.2	179.9	0.0
-2.5°	2667.9	1847.3	1197.8	743.7	406.0	179.8	0.0
-5°	2607.5	1812.3	1184.2	737.9	403.8	179.2	0.0
-7.5°	2538.5	1770.3	1167.1	730.1	400.5	178.4	0.0
-10°	2463.2	1721.5	1146.8	720.3	396.2	177.1	0.0
-12.5°	2385.9	1670.4	1123.4	708.5	390.8	175.6	0.0
-15°	2304.4	1618.3	1098.3	694.7	384.5	173.6	0.0
-17.5°	2219.9	1567.0	1073.2	679.0	377.1	171.4	0.0
-20°	2131.0	1517.4	1045.2	661.9	368.8	168.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	2034.4	1464.6	1014.3	643.8	359.5	165.9	0.0
-25°	1936.9	1411.5	980.6	623.9	349.3	162.6	0.0
-27.5°	1839.9	1356.0	944.2	602.2	338.3	159.1	0.0
-30°	1746.4	1297.2	905.2	578.8	326.3	155.2	0.0
-32.5°	1659.1	1235.2	864.1	553.7	313.9	151.0	0.0
-35°	1568.2	1170.2	820.4	527.0	300.7	146.6	0.0
-37.5°	1478.7	1105.8	777.1	500.8	287.9	141.9	0.0
-40°	1393.4	1045.2	737.7	478.3	278.1	137.1	0.0
-42.5°	1306.0	981.8	696.6	455.0	267.7	132.0	0.0
-45°	1215.5	915.8	653.9	430.8	256.8	126.6	0.0
-47.5°	1121.2	847.2	609.7	405.7	245.5	121.0	0.0
-50°	1034.6	776.3	563.7	379.5	233.7	115.2	0.0
-52.5°	947.5	717.2	516.2	352.4	221.4	109.1	0.0
-55°	858.0	656.7	476.4	324.4	208.8	102.8	0.0
-57.5°	766.0	594.5	437.9	295.5	195.8	96.4	0.0
-60°	689.6	530.9	398.5	274.9	182.4	89.7	0.0
-62.5°	612.2	474.5	358.3	254.5	168.7	82.9	0.0
-65°	533.9	424.3	317.4	233.6	154.7	75.9	0.0
-67.5°	465.2	373.3	282.1	212.3	140.3	68.7	0.0
-70°	405.2	321.7	253.1	190.6	125.5	61.4	0.0
-72.5°	344.7	277.8	223.7	168.5	110.4	54.0	0.0
-75°	288.1	241.2	193.9	145.9	95.1	46.5	0.0
-77.5°	243.8	204.3	163.8	122.1	79.6	38.9	0.0
-80°	199.0	167.1	132.0	98.0	63.9	31.2	0.0
-82.5°	153.2	126.6	99.3	73.7	48.0	23.5	0.0
-85°	102.3	84.5	66.3	49.2	32.1	15.7	0.0
-87.5°	51.2	42.3	33.2	24.6	16.1	7.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)