

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: P902083 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/13/2024

**Test Information**

Test Method: LM-79-08  
Report Number: P902083 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( LVM21005AU)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/13/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-AV-03-1360S-57-85-A55-MB-LO  
Description: ARENAVISION LUMINAIRE  
5700K, 85 CRI LEDS AND A55-MB-LO OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

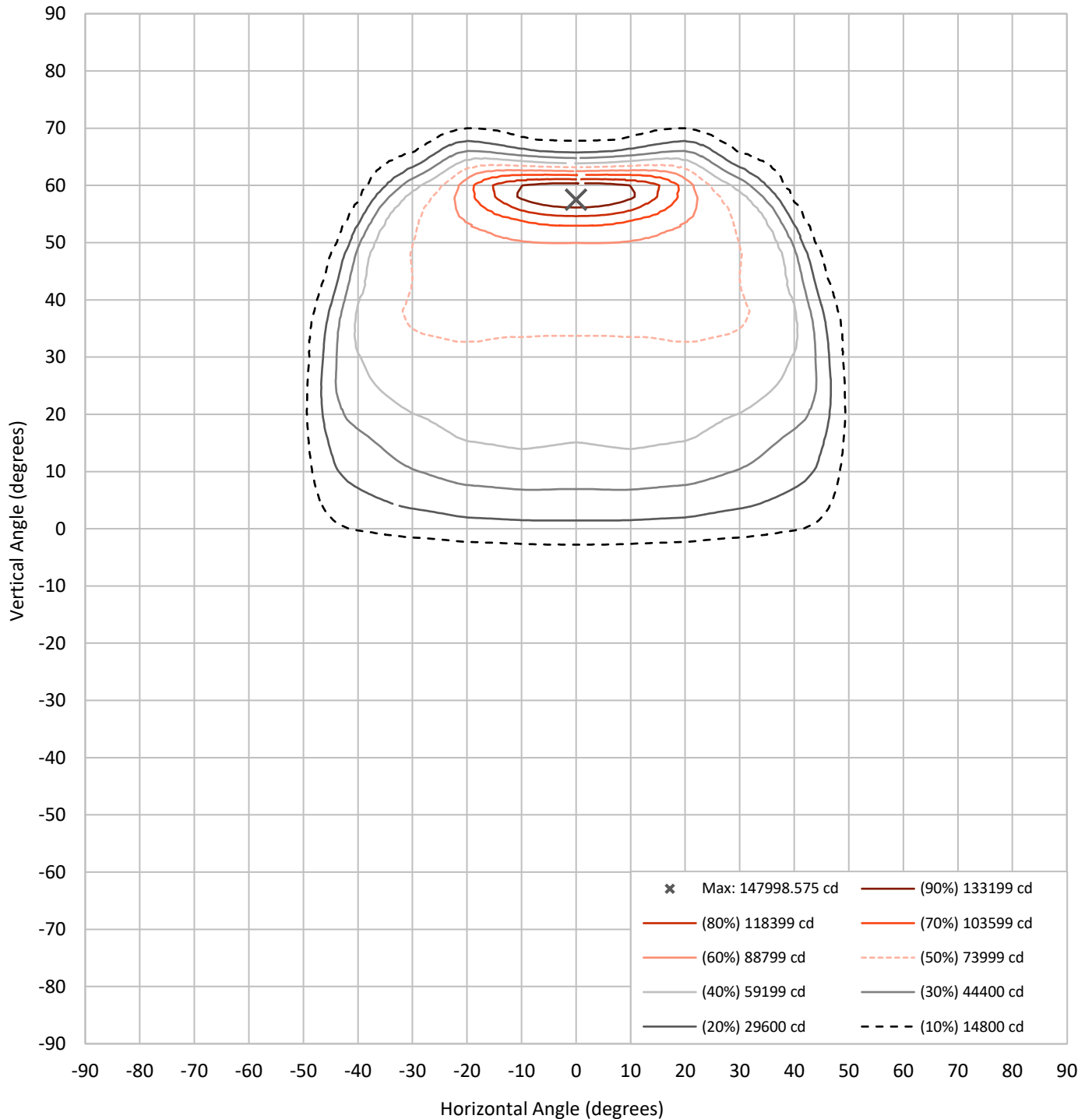
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	110845.1 lumens	Max Intensity:	147998.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 57.5°V
Efficacy:	78.4 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		

Beam Angle (50%):	54.3°H x 29.5°V	Field Angle (10%):	79.3°H x 70.2°V
Beam Lumens:	44499.7 lumens	Field Lumens:	104709 lumens
Beam Efficiency:	40.1%	Field Efficiency:	94.5%

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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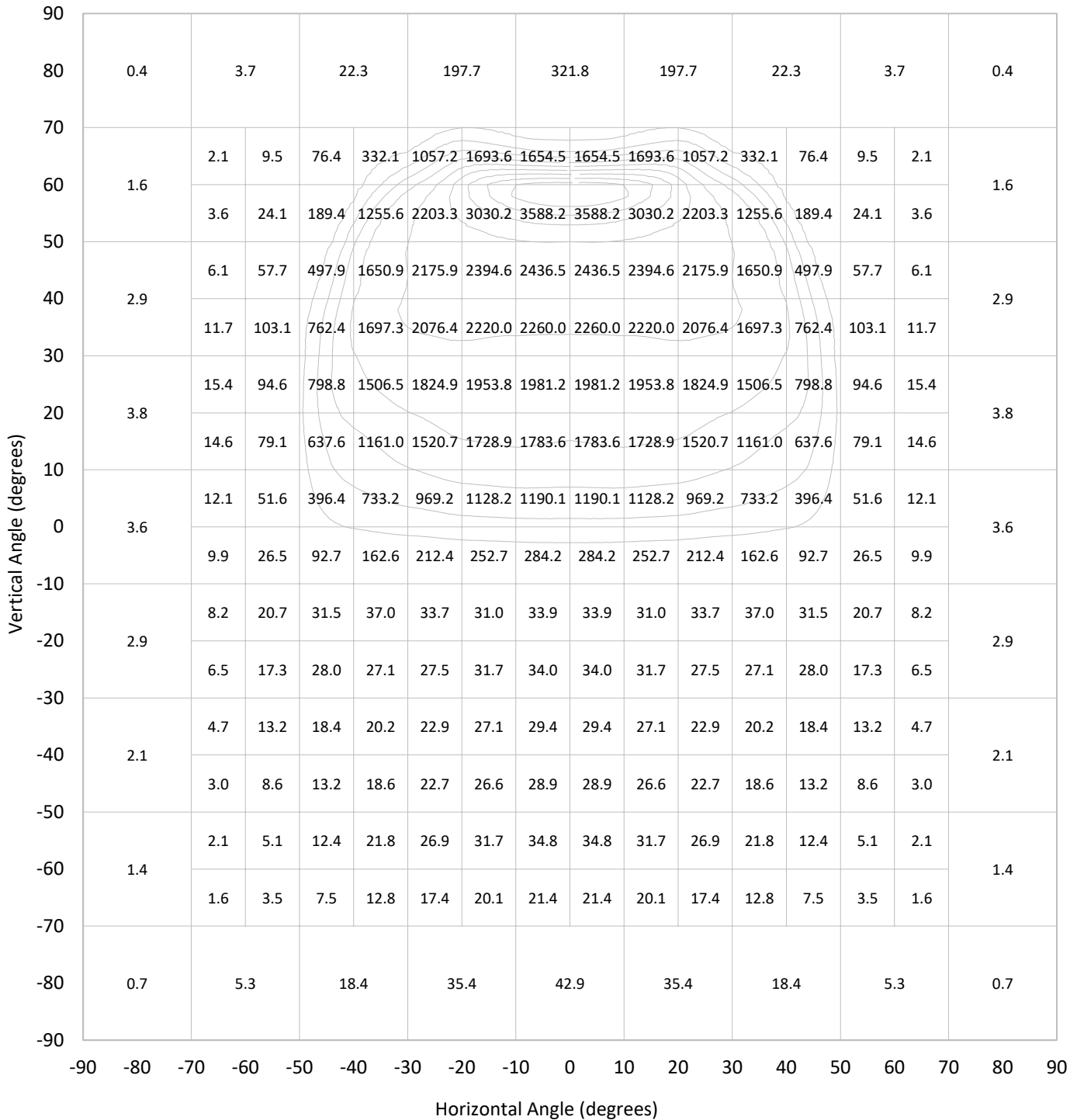
### Iso-Candela Plot





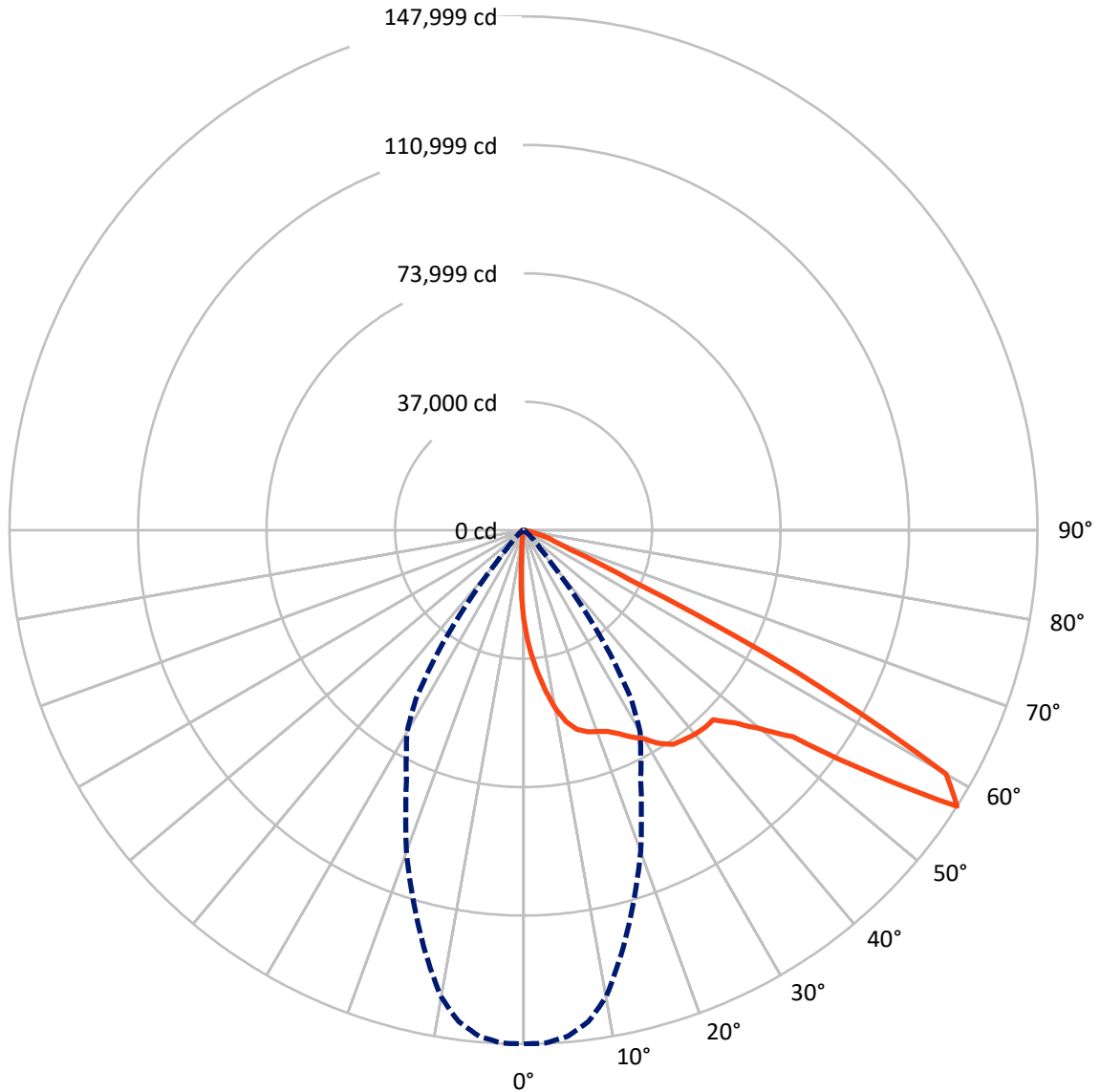
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### Lumen Table



REPORT NUMBER: P902083 (CONVERTED FROM TYPE C PHOTOMETRY)  
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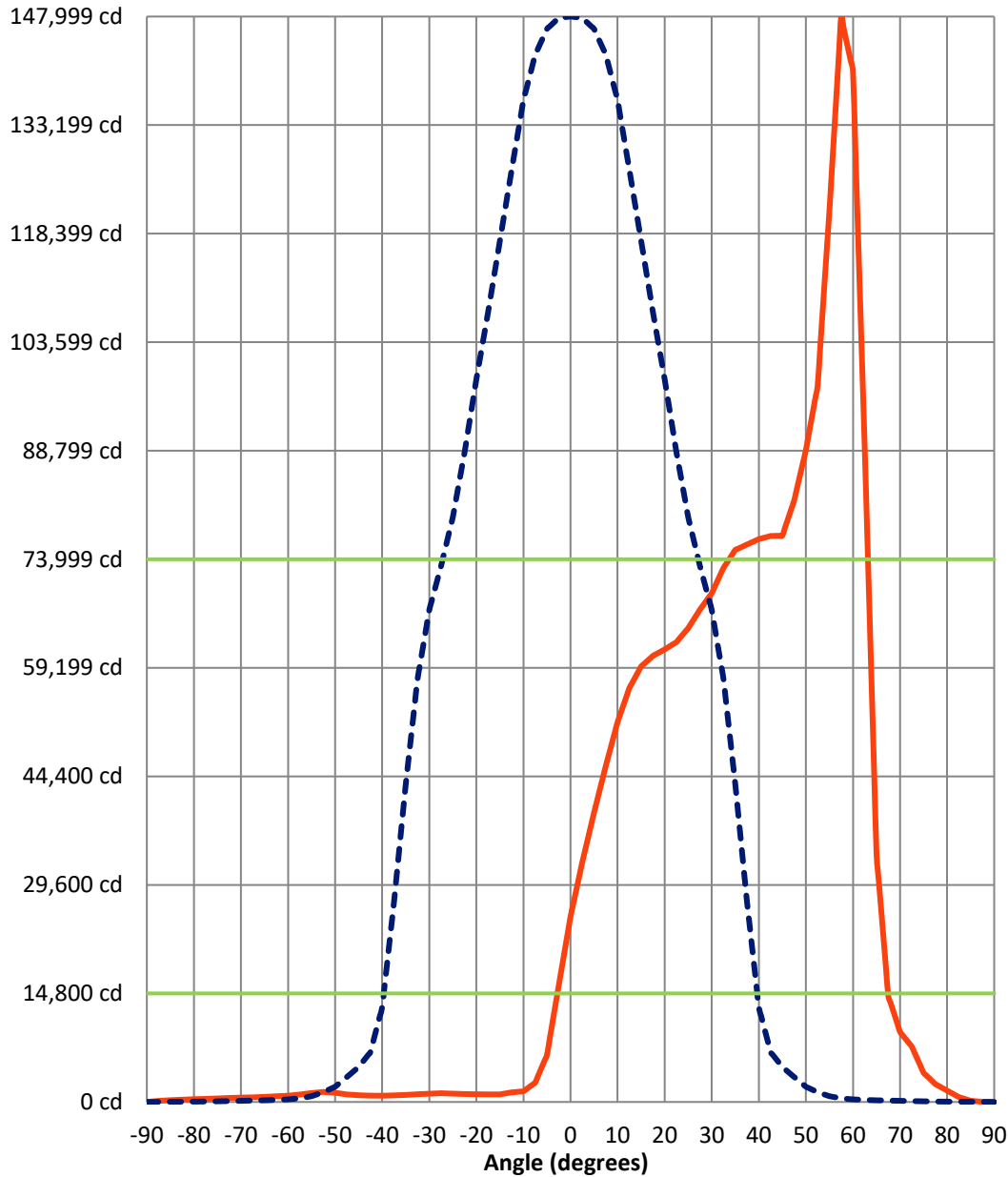
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 54.3°  
 V Angle: 29.5°  
 Lumens: 44499.7  
 Efficiency: 40.1%

**Field:**  
 H Angle: 79.3°  
 V Angle: 70.2°  
 Lumens: 104709  
 Efficiency: 94.5%

**Spill:**  
 Lumens: 6136.2  
 Efficiency: 5.5%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 57.5-Deg

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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	1.0	2.0	3.0	3.9	4.9	5.9	6.8	7.8	8.7	9.6
85°	0.0	2.0	4.0	5.9	7.9	9.8	11.8	13.7	15.5	17.4	19.2
82.5°	0.0	3.0	5.9	8.9	11.8	14.7	17.6	20.5	23.3	26.1	28.8
80°	0.0	3.9	7.9	11.8	15.7	19.6	23.4	27.2	31.0	34.7	38.3
77.5°	0.0	4.9	9.8	14.7	19.6	24.4	29.2	34.0	38.6	43.2	47.8
75°	0.0	5.9	11.8	17.6	23.4	29.2	35.0	40.6	46.2	51.7	62.2
72.5°	0.0	6.8	13.7	20.5	27.2	34.0	40.6	47.2	53.7	71.2	90.1
70°	0.0	7.8	15.5	23.3	31.0	38.6	46.2	53.7	74.2	96.1	114.9
67.5°	0.0	8.7	17.4	26.1	34.7	43.2	51.7	71.2	96.1	116.9	133.0
65°	0.0	9.6	19.2	28.8	38.3	47.8	60.9	90.1	114.9	133.0	153.9
62.5°	0.0	10.5	21.0	31.4	41.9	52.2	73.1	108.7	129.0	150.5	179.8
60°	0.0	11.4	22.7	34.1	45.3	57.2	83.7	115.7	142.8	173.7	205.6
57.5°	0.0	12.2	24.4	36.6	48.7	62.2	92.6	120.7	159.5	196.5	230.9
55°	0.0	13.0	26.1	39.1	52.0	66.1	99.9	126.7	179.2	218.8	255.9
52.5°	0.0	13.8	27.7	41.5	55.2	68.9	106.8	145.4	200.7	240.4	288.9
50°	0.0	14.6	29.2	43.8	58.3	72.8	113.1	163.1	219.3	263.5	319.1
47.5°	0.0	15.4	30.7	46.0	61.3	80.2	119.7	178.1	237.3	290.6	354.5
45°	0.0	16.1	32.2	48.2	64.2	87.4	129.4	190.0	250.5	316.8	390.8
42.5°	0.0	16.8	33.5	50.3	66.9	94.3	138.4	202.0	265.6	342.7	429.9
40°	0.0	17.4	34.8	52.2	69.6	100.9	148.4	215.4	276.9	364.8	474.9
37.5°	0.0	18.0	36.1	54.1	72.1	107.2	159.7	230.0	284.3	381.5	512.9
35°	0.0	18.4	37.3	55.9	76.0	114.8	171.4	241.6	298.4	404.1	589.9
32.5°	0.0	18.7	38.4	57.5	80.5	122.0	181.9	246.4	315.7	428.1	718.9
30°	0.0	19.0	39.4	59.1	84.6	127.7	190.3	248.9	331.3	446.5	821.4
27.5°	0.0	19.1	39.3	60.5	88.5	131.9	195.3	250.9	345.3	459.5	902.9
25°	0.0	19.2	39.2	61.8	92.0	134.8	199.0	252.1	357.3	510.0	955.0
22.5°	0.0	19.3	39.1	63.0	95.2	136.3	201.9	260.1	365.0	570.2	977.4
20°	0.0	19.3	39.0	64.1	98.1	136.6	203.9	269.6	368.3	617.3	986.7
17.5°	0.0	19.3	38.9	65.1	100.7	135.8	205.3	275.0	370.1	654.8	981.2
15°	0.0	19.2	38.8	65.9	102.9	135.0	205.7	276.5	372.0	684.5	973.2
12.5°	0.0	19.1	38.7	66.6	102.8	134.6	205.3	276.1	371.7	703.0	964.0
10°	0.0	18.9	38.4	67.2	101.4	133.6	204.1	274.7	367.5	702.4	941.8
7.5°	0.0	18.8	38.1	67.7	99.4	132.0	202.1	272.4	360.7	691.2	912.5
5°	0.0	18.6	37.7	68.0	96.9	129.6	199.2	269.0	356.2	675.7	878.4
2.5°	0.0	18.4	37.1	68.2	94.1	126.6	195.6	264.6	351.8	658.1	855.7
0°	0.0	18.2	36.4	68.3	91.0	122.9	191.1	259.4	345.9	637.1	828.2
-2.5°	0.0	18.4	37.1	68.2	90.9	122.5	188.3	253.1	338.6	618.6	796.5
-5°	0.0	18.6	37.7	68.0	90.7	121.5	184.9	246.0	329.8	597.3	761.4
-7.5°	0.0	18.8	38.1	67.7	90.2	119.9	181.2	238.0	319.6	573.9	726.4
-10°	0.0	18.9	38.4	67.2	89.6	117.6	177.0	230.8	308.0	548.9	688.5
-12.5°	0.0	19.1	38.7	66.6	88.8	114.5	171.3	224.0	295.1	520.3	658.4
-15°	0.0	19.2	38.8	65.9	87.9	110.9	164.4	217.4	281.8	486.3	630.2
-17.5°	0.0	19.3	38.9	65.1	86.7	108.4	156.0	212.3	269.7	447.7	603.2
-20°	0.0	19.3	39.0	64.1	85.5	106.8	147.7	207.7	258.1	406.9	578.1



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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	19.3	39.1	63.0	84.0	105.0	142.6	202.6	247.4	361.1	553.5
-25°	0.0	19.2	39.2	61.8	82.4	102.9	137.7	194.6	237.9	308.2	525.0
-27.5°	0.0	19.1	39.3	60.5	80.6	100.7	132.4	181.5	227.9	270.1	494.8
-30°	0.0	19.0	39.4	59.1	78.7	98.3	126.5	169.7	215.6	261.3	433.5
-32.5°	0.0	18.7	38.4	57.5	76.6	95.7	120.3	159.2	202.9	251.7	369.3
-35°	0.0	18.4	37.3	55.9	74.4	92.9	113.6	150.3	189.4	241.5	300.8
-37.5°	0.0	18.0	36.2	54.1	72.1	90.0	107.8	142.0	177.3	227.7	265.5
-40°	0.0	17.4	35.3	52.2	69.6	86.8	104.1	133.2	167.2	210.6	252.8
-42.5°	0.0	16.8	34.5	50.3	66.9	83.6	101.1	123.9	156.6	196.3	239.4
-45°	0.0	16.1	33.9	48.2	64.2	80.1	99.8	114.2	145.5	184.7	225.5
-47.5°	0.0	15.4	33.4	46.0	61.3	76.5	99.9	109.2	133.9	170.6	210.9
-50°	0.0	14.6	33.1	43.8	58.3	72.8	96.3	109.2	121.9	152.8	195.6
-52.5°	0.0	13.8	32.8	41.5	55.2	68.9	90.3	109.2	109.5	141.0	180.3
-55°	0.0	13.0	32.7	39.1	52.0	64.9	82.3	108.0	109.2	130.6	164.3
-57.5°	0.0	12.2	32.7	36.6	48.7	60.8	72.7	96.4	109.2	121.1	147.9
-60°	0.0	11.4	32.8	36.4	45.3	56.5	68.8	84.6	106.4	117.6	131.0
-62.5°	0.0	10.5	32.9	36.4	41.9	52.2	66.1	72.8	95.2	110.8	120.6
-65°	0.0	9.6	33.2	36.4	38.3	47.8	64.3	72.8	87.8	109.2	114.8
-67.5°	0.0	8.7	32.2	36.4	36.4	43.2	61.9	72.8	84.8	109.2	113.0
-70°	0.0	7.8	29.2	36.4	36.4	38.6	58.1	71.9	80.0	100.5	110.5
-72.5°	0.0	6.8	26.1	36.4	36.4	36.4	54.0	65.4	71.9	83.9	100.2
-75°	0.0	5.9	22.7	35.2	36.4	36.4	49.9	58.8	64.4	69.9	88.8
-77.5°	0.0	4.9	19.2	29.5	36.4	36.4	45.9	54.2	56.8	61.4	80.4
-80°	0.0	3.9	15.5	23.6	31.4	36.4	41.2	53.7	54.6	54.6	72.3
-82.5°	0.0	3.0	11.8	17.8	23.6	29.5	35.2	53.7	54.6	54.6	64.4
-85°	0.0	2.0	7.9	11.9	15.8	19.7	23.5	40.7	46.6	52.2	55.6
-87.5°	0.0	1.0	4.0	5.9	7.9	9.8	11.8	20.5	23.3	26.1	28.8
-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: P902083 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	10.5	11.4	12.2	13.0	13.8	14.6	15.4	16.1	16.8	17.4	18.0
85°	18.3	18.2	24.2	26.1	27.7	29.2	30.7	32.2	33.5	34.8	36.1
82.5°	19.3	18.2	35.0	39.1	41.5	43.8	46.0	48.2	50.3	52.2	54.1
80°	30.9	36.1	47.8	52.0	56.4	65.8	74.7	83.3	91.6	99.5	107.0
77.5°	50.3	58.9	66.9	75.2	93.7	109.1	116.6	123.8	138.5	151.3	160.7
75°	78.2	85.2	90.9	107.5	125.3	137.9	149.0	170.4	196.6	224.0	247.9
72.5°	108.7	120.3	138.2	152.6	175.5	208.1	232.4	291.1	377.2	449.9	509.5
70°	133.2	159.1	185.2	213.5	257.3	381.6	525.4	638.7	1003.6	1345.0	1570.1
67.5°	156.6	194.1	231.7	294.9	451.3	713.8	1234.3	1754.4	2703.5	4171.0	5442.7
65°	191.9	226.7	298.1	384.2	707.4	1312.3	2337.3	3934.9	5754.8	7390.7	9400.9
62.5°	225.3	265.7	362.1	520.4	941.0	1623.5	3244.9	4832.4	6668.2	8593.7	11728.1
60°	249.9	308.9	432.0	660.2	1119.0	1811.7	2989.4	4789.5	6256.7	9357.3	17046.8
57.5°	280.2	357.7	495.6	789.0	1330.6	2083.5	3409.8	4772.3	6808.4	12934.9	27230.9
55°	321.0	411.0	529.7	990.9	1780.3	3040.4	4066.1	5275.6	9669.2	21324.7	39816.3
52.5°	363.2	468.4	670.5	1344.2	2596.1	3557.0	4528.3	6471.3	14754.1	32527.1	50302.6
50°	406.0	546.6	864.0	2008.6	3146.4	4098.3	5315.7	9328.6	21676.2	42021.8	57772.3
47.5°	448.4	625.3	1344.8	2616.8	3758.5	4977.4	6823.6	13603.0	30629.1	48758.0	62159.5
45°	509.1	877.1	1781.7	3165.6	4438.5	5786.8	8183.5	17193.1	35742.9	52604.5	63172.3
42.5°	570.3	1154.9	2260.3	3701.6	5086.7	6693.7	9638.5	22279.1	39967.7	55016.9	63242.0
40°	781.1	1502.2	2796.4	4420.3	5949.6	7813.3	13841.6	26770.4	44436.7	58485.4	64916.3
37.5°	986.5	1865.2	3664.5	5597.6	7163.2	9288.7	16981.5	32053.8	49474.3	60918.6	66486.8
35°	1171.7	2216.9	4597.3	6607.6	7935.5	10167.1	19351.2	35685.8	51797.9	61737.7	66278.4
32.5°	1329.2	2676.0	4721.6	6257.1	7455.1	10257.4	20762.8	37641.9	52255.4	61091.5	64475.0
30°	1409.2	2876.4	4536.7	5576.3	6412.4	9163.1	21792.5	39087.5	51352.7	58455.8	62451.7
27.5°	1483.7	2818.2	4213.2	5019.9	5929.3	10373.7	23389.6	39922.7	50836.4	56558.4	60426.9
25°	1558.2	2769.8	3921.9	4694.7	5709.9	10622.9	24704.2	40712.1	51715.0	55259.9	58493.8
22.5°	1596.7	2689.2	3748.9	4423.4	5591.2	11041.1	24874.9	39271.5	48539.9	52875.1	55396.7
20°	1562.3	2552.4	3511.7	4183.5	5464.3	11578.2	24135.4	37420.0	45154.1	48803.5	51415.2
17.5°	1502.3	2351.4	3226.2	3887.0	5100.3	11158.6	22853.8	34584.0	41194.6	44508.6	47234.1
15°	1415.9	2184.6	2929.1	3555.8	4645.9	10688.2	21270.4	31664.7	37617.9	40667.7	43304.8
12.5°	1364.3	1985.9	2646.5	3263.7	4543.0	9816.1	19678.8	29400.8	34567.7	37237.7	39752.3
10°	1289.0	1815.4	2387.4	2995.7	4229.5	9074.9	17941.8	27066.9	31392.6	33887.9	36253.8
7.5°	1221.1	1641.9	2120.6	2687.0	3734.1	7998.1	15860.3	23797.7	27928.1	30332.5	32491.4
5°	1141.9	1474.6	1872.3	2384.2	3202.5	6625.5	13371.1	20268.7	24079.9	26144.3	27997.6
2.5°	1083.1	1342.4	1668.4	2096.8	2690.0	5114.5	10443.1	16164.0	19545.0	21213.8	22741.5
0°	1019.4	1219.6	1497.2	1829.4	2229.9	3640.6	7299.4	11513.4	14293.8	15581.7	16651.1
-2.5°	965.5	1143.7	1336.6	1584.0	1871.1	2512.5	4148.8	6362.3	8119.7	8901.8	9488.8
-5°	910.9	1072.1	1219.2	1417.4	1599.4	1868.8	2381.1	3043.1	3649.7	3962.1	4101.8
-7.5°	875.0	1020.8	1164.9	1317.7	1444.4	1564.7	1713.7	1805.1	1929.3	2019.2	1984.4
-10°	838.1	984.8	1124.8	1263.3	1397.1	1462.5	1536.3	1559.9	1573.6	1633.6	1656.7
-12.5°	811.6	957.5	1092.6	1223.2	1348.7	1439.5	1476.5	1508.7	1518.5	1563.2	1577.5
-15°	783.9	918.0	1062.0	1198.8	1311.4	1407.5	1437.6	1463.6	1470.6	1508.5	1522.3
-17.5°	741.8	882.5	1011.2	1150.9	1286.6	1360.1	1421.6	1430.9	1425.7	1449.5	1474.8
-20°	693.7	848.3	963.6	1091.4	1251.4	1316.9	1387.9	1414.4	1402.9	1420.6	1466.9



REPORT NUMBER: P902083 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MB-LO

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	659.8	802.1	906.3	1037.6	1193.7	1276.9	1332.1	1395.0	1412.4	1440.5	1361.6
-25°	623.5	734.6	837.2	981.0	1120.0	1209.8	1292.0	1379.9	1416.2	1311.6	1135.3
-27.5°	584.2	674.4	794.0	924.7	1054.1	1152.0	1249.3	1303.4	1251.7	1085.1	985.6
-30°	551.0	639.8	749.8	854.8	997.8	1098.7	1207.7	1192.6	1060.7	937.3	971.9
-32.5°	522.5	607.1	707.0	806.8	920.8	1018.5	1062.8	1012.7	871.8	930.9	928.3
-35°	489.2	572.4	660.9	765.6	851.1	905.6	891.4	795.2	826.1	852.4	834.3
-37.5°	422.2	535.7	614.9	702.9	792.6	795.7	704.4	695.6	741.1	745.9	733.0
-40°	344.6	498.9	575.7	640.8	683.2	660.8	584.0	623.5	665.7	673.5	681.6
-42.5°	271.2	444.2	540.2	594.4	603.6	529.3	548.5	602.6	635.8	656.9	665.2
-45°	255.8	349.3	503.5	532.4	515.9	483.7	531.4	604.5	627.4	658.3	678.0
-47.5°	239.8	271.9	417.6	470.3	430.7	486.0	549.9	615.2	686.4	733.1	770.8
-50°	223.2	253.9	309.5	389.2	380.8	469.9	556.7	635.9	754.1	828.7	866.4
-52.5°	206.1	233.7	266.5	310.7	350.0	428.0	525.1	644.5	770.4	884.5	932.4
-55°	191.5	224.5	236.1	269.6	331.1	383.9	478.2	581.6	698.5	817.3	904.7
-57.5°	172.0	208.5	225.5	240.1	298.9	355.9	430.0	495.3	578.5	680.6	776.7
-60°	156.1	185.5	210.8	227.4	264.7	326.3	375.3	425.1	491.0	566.0	623.1
-62.5°	147.1	168.3	188.6	206.7	239.1	291.0	332.5	379.5	438.4	485.3	534.8
-65°	139.5	149.2	166.1	182.5	224.6	250.8	299.0	343.5	385.5	423.6	460.3
-67.5°	133.6	145.6	148.9	173.9	211.2	241.1	274.6	305.7	341.4	385.0	414.5
-70°	123.3	142.8	147.5	161.6	188.1	218.4	248.5	278.2	309.1	347.3	376.0
-72.5°	109.0	121.0	136.1	145.3	170.6	197.3	221.7	250.0	277.9	305.5	331.8
-75°	98.9	104.1	120.8	140.7	157.6	174.3	194.3	221.1	247.6	273.8	288.5
-77.5°	88.6	92.9	110.9	133.0	141.7	145.6	176.8	202.5	224.2	242.7	252.8
-80°	78.3	81.7	95.5	119.2	128.0	131.1	154.7	172.7	197.6	211.4	216.9
-82.5°	67.8	70.5	73.2	94.7	101.1	115.5	127.5	132.8	153.3	175.5	181.0
-85°	57.4	59.1	60.8	70.0	73.6	87.2	92.2	100.5	118.1	138.6	144.3
-87.5°	31.5	34.1	36.7	39.1	41.5	43.9	46.1	64.2	67.1	69.7	72.2
-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):**

	-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°	18.6	19.2	19.7	20.2	20.6	21.0	24.5	25.2	25.7	26.2	26.6
85°	38.1	40.3	42.4	44.3	46.1	47.7	60.6	61.6	69.5	78.5	88.1
82.5°	73.7	78.6	81.7	84.6	93.9	98.1	101.3	114.1	146.1	191.6	300.4
80°	116.8	128.4	138.7	148.3	172.9	193.3	203.4	277.7	494.4	777.8	993.3
77.5°	199.0	222.6	236.8	256.4	295.7	342.1	466.8	928.4	1594.4	2115.8	2389.5
75°	297.6	358.7	398.3	450.2	539.7	777.7	1541.1	2658.6	3601.6	4201.4	4452.0
72.5°	664.2	889.8	1236.4	1750.1	2369.2	3592.1	5339.5	6639.5	7286.1	7556.3	7664.8
70°	2089.0	2695.0	3153.4	4205.6	7460.6	12342.0	14720.2	14586.6	13090.8	11464.2	10357.7
67.5°	6147.7	6938.1	7972.9	11847.4	20686.0	28129.0	30740.4	28730.8	24777.1	20591.9	17642.0
65°	11628.4	13782.3	17255.1	25245.2	36602.6	47194.8	53578.2	54816.2	51740.7	47765.9	43542.4
62.5°	17603.3	25014.9	34009.3	43678.4	54677.3	67244.1	79139.4	87996.1	91954.2	93106.3	92757.4
60°	28300.3	41526.6	53562.1	62714.8	71915.4	83511.4	97273.2	109808.2	119760.5	127496.7	132871.4
57.5°	43322.7	57649.0	67090.1	73073.9	79750.1	88586.2	98540.8	107727.4	117422.3	127102.0	136578.3
55°	57625.3	66375.1	71352.4	75937.2	80989.0	86771.0	91906.7	96740.8	101951.9	106722.9	111383.5
52.5°	63438.6	68790.4	72670.1	76564.3	80327.4	83911.1	86475.4	88783.5	90970.2	92914.6	94449.5
50°	66725.2	70381.2	73772.8	77142.0	80441.4	82463.3	84118.1	85308.9	86258.8	87318.9	88084.6
47.5°	68015.8	71461.1	74699.5	77942.0	80633.3	82157.5	82689.7	83275.8	83452.5	83110.2	82735.3
45°	67522.3	70818.1	73944.3	77104.2	79204.5	80134.2	80458.3	80687.7	80362.0	79606.1	78976.0
42.5°	67441.0	70750.8	74022.5	77002.4	78672.7	79359.7	79969.5	80198.4	79890.2	79285.6	78820.9
40°	68697.4	72060.8	75324.6	77898.4	79117.1	79792.8	80460.7	79948.8	80240.1	79484.3	78720.7
37.5°	70132.5	73530.4	76218.9	77872.7	77700.5	78995.2	78439.4	78087.6	78029.1	77564.2	77091.8
35°	69407.5	71629.8	74230.2	75339.7	75576.0	76355.0	76222.2	76085.5	75681.7	75431.8	75339.0
32.5°	67393.2	69659.9	71231.1	72567.3	73012.5	73802.7	73839.8	73889.1	73404.0	73011.2	73247.3
30°	65473.4	67796.2	69388.0	70117.2	70387.6	71099.1	71339.5	70848.7	70227.8	70037.2	69868.9
27.5°	63544.2	66102.7	67787.9	68032.7	68398.9	69145.5	69357.3	68799.6	68172.8	67965.2	67853.7
25°	61207.3	63880.3	65335.4	65749.4	66238.5	67027.4	67251.1	66703.9	66153.0	65885.1	65714.1
22.5°	57892.0	60528.6	62304.1	63041.4	63879.1	64828.0	65185.0	64811.3	64409.5	64133.5	63962.1
20°	54163.9	57023.4	58957.0	60164.5	61399.8	62765.4	63438.8	63352.1	63129.3	62993.4	62780.1
17.5°	50257.4	53429.5	55688.4	57083.5	58879.2	60606.1	61634.4	61843.3	61939.7	62034.7	62036.6
15°	46419.4	49604.3	52095.1	53831.4	55718.9	57741.6	59003.4	59487.5	59909.8	60329.6	60525.2
12.5°	42693.5	45761.5	48135.6	49809.3	51804.6	53850.1	55065.1	55819.0	56324.6	56948.1	57415.7
10°	38926.3	41651.4	43616.0	45148.8	46930.1	48771.1	50001.0	50610.6	51209.9	51933.1	52380.7
7.5°	34810.9	37085.5	38673.6	39907.1	41461.4	43044.3	44094.5	44608.6	45097.7	45727.4	46207.7
5°	30049.4	31985.1	33279.0	34262.7	35572.4	36936.0	37829.8	38249.9	38662.3	39204.8	39609.0
2.5°	24433.2	26065.8	27142.3	27969.3	29101.8	30319.2	31182.0	31572.6	31946.3	32343.1	32687.3
0°	17866.1	19163.1	20005.0	20692.2	21616.0	22730.8	23536.3	23923.2	24219.0	24569.4	24901.6
-2.5°	10167.7	10867.3	11436.1	11797.2	12494.0	13315.0	13934.0	14294.1	14558.7	14952.6	15345.7
-5°	4111.7	4196.7	4402.5	4347.7	4532.8	4823.1	5057.5	5115.5	5196.2	5452.2	5677.3
-7.5°	1965.0	1996.7	1924.9	1972.4	1943.5	1948.6	1966.8	1996.0	1963.2	1328.5	1698.9
-10°	1647.0	1599.2	1595.3	1583.7	1593.1	1621.1	1586.0	1249.1	1075.2	1089.8	1111.5
-12.5°	1554.3	1526.1	1506.2	1528.4	1533.9	1356.1	1024.4	1043.1	1061.0	1074.0	1074.4
-15°	1490.5	1478.0	1476.8	1382.3	1108.7	987.7	996.8	1029.5	1039.9	1044.0	1050.9
-17.5°	1469.0	1434.7	1269.7	962.7	964.8	971.1	1000.7	1019.4	1019.4	1024.9	1019.4
-20°	1379.7	1164.6	932.6	955.3	964.8	995.0	1006.5	1019.4	1019.4	1030.2	1038.0



REPORT NUMBER: P902083 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1141.8	958.3	948.3	960.7	992.1	1015.6	1019.4	1025.2	1045.1	1065.4	1078.7
-25°	1009.3	968.9	964.8	982.0	1017.1	1040.0	1057.2	1068.8	1091.4	1105.1	1113.8
-27.5°	1014.8	997.1	964.8	986.4	1027.0	1047.2	1074.0	1110.6	1128.2	1160.2	1162.1
-30°	973.3	953.8	955.6	959.4	964.2	993.3	1018.3	1059.3	1087.0	1101.3	1111.3
-32.5°	889.1	864.8	869.5	870.8	881.7	917.5	942.3	958.8	988.0	1003.6	1025.2
-35°	797.3	769.4	764.0	778.9	799.2	836.8	867.6	899.5	903.1	926.7	940.5
-37.5°	723.2	728.1	724.8	736.1	746.4	785.2	806.4	832.8	847.0	869.4	880.6
-40°	671.0	667.3	711.0	728.1	728.1	754.8	765.3	792.2	815.8	832.1	846.2
-42.5°	678.3	703.4	721.8	728.1	735.0	767.0	768.1	800.6	808.1	827.7	839.3
-45°	724.2	737.9	752.9	776.2	791.7	827.1	832.7	845.8	866.1	869.3	888.7
-47.5°	797.4	815.1	838.4	857.9	873.8	910.6	918.4	945.0	963.5	992.8	1000.7
-50°	916.9	906.3	962.2	979.3	994.8	1019.4	1067.3	1121.1	1154.3	1171.4	1202.4
-52.5°	972.6	984.6	1029.8	1050.1	1100.2	1122.2	1167.6	1201.1	1274.8	1291.4	1302.8
-55°	979.2	972.5	975.7	1003.2	1012.5	1050.9	1068.6	1102.7	1147.6	1186.6	1189.5
-57.5°	825.9	856.5	870.1	880.9	887.1	895.9	891.4	909.7	936.1	960.0	979.6
-60°	669.2	719.9	768.9	791.7	776.9	783.1	801.6	814.0	824.9	834.2	841.8
-62.5°	574.5	613.3	642.7	693.3	706.4	714.5	722.9	732.8	745.9	757.0	766.2
-65°	499.6	541.0	581.4	601.4	625.9	654.7	669.8	683.3	693.4	691.0	689.7
-67.5°	446.7	480.7	511.5	529.1	559.3	583.5	593.7	605.2	621.5	624.8	622.7
-70°	395.6	427.7	456.4	480.4	501.1	521.2	536.2	552.3	567.2	573.5	588.2
-72.5°	359.5	385.8	402.2	416.4	443.3	458.6	468.8	487.6	510.6	520.8	525.0
-75°	319.2	342.3	359.9	373.5	398.1	415.3	420.1	426.0	446.3	464.6	469.1
-77.5°	285.7	300.7	319.7	343.0	351.6	366.9	377.0	381.4	384.1	403.8	408.9
-80°	238.2	260.2	282.0	295.4	309.3	313.7	332.7	349.9	357.6	359.7	361.3
-82.5°	201.0	222.6	231.4	236.1	256.9	261.9	274.0	285.8	299.5	303.0	310.7
-85°	148.1	153.4	186.8	189.9	222.2	224.0	224.7	232.2	233.5	234.4	243.5
-87.5°	92.1	94.0	98.5	100.9	123.5	126.1	128.3	130.2	146.2	147.5	148.4
-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):**

	-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°	26.9	27.1	27.3	27.3	27.3	27.1	26.9	26.6	26.2	25.7	25.2
85°	115.3	134.8	154.2	163.8	154.2	134.8	115.3	88.1	78.5	69.5	61.6
82.5°	439.9	551.4	634.6	668.9	634.6	551.4	439.9	300.4	191.6	146.1	114.1
80°	1149.8	1346.4	1505.0	1547.2	1505.0	1346.4	1149.8	993.3	777.8	494.4	277.7
77.5°	2493.1	2518.0	2470.3	2439.2	2470.3	2518.0	2493.1	2389.5	2115.8	1594.4	928.4
75°	4400.7	4216.4	4038.0	3986.4	4038.0	4216.4	4400.7	4452.0	4201.4	3601.6	2658.6
72.5°	7709.6	7666.8	7588.4	7540.5	7588.4	7666.8	7709.6	7664.8	7556.3	7286.1	6639.5
70°	9898.7	9706.1	9624.7	9556.5	9624.7	9706.1	9898.7	10357.7	11464.2	13090.8	14586.6
67.5°	16081.0	15228.8	14708.6	14489.5	14708.6	15228.8	16081.0	17642.0	20591.9	24777.1	28730.8
65°	39757.6	36873.8	34826.8	33912.0	34826.8	36873.8	39757.6	43542.4	47765.9	51740.7	54816.2
62.5°	92095.4	91413.1	90149.7	89116.8	90149.7	91413.1	92095.4	92757.4	93106.3	91954.2	87996.1
60°	136811.0	139756.2	140845.4	140526.3	140845.4	139756.2	136811.0	132871.4	127496.7	119760.5	109808.2
57.5°	142789.4	146309.6	147819.9	147998.6	147819.9	146309.6	142789.4	136578.3	127102.0	117422.3	107727.4
55°	115886.5	119425.5	121185.4	121595.3	121185.4	119425.5	115886.5	111383.5	106722.9	101951.9	96740.8
52.5°	96112.5	97343.5	97706.1	97704.0	97706.1	97343.5	96112.5	94449.5	92914.6	90970.2	88783.5
50°	88757.2	89107.9	89025.6	88884.7	89025.6	89107.9	88757.2	88084.6	87318.9	86258.8	85308.9
47.5°	82535.7	82440.5	82128.0	81999.4	82128.0	82440.5	82535.7	82735.3	83110.2	83452.5	83275.8
45°	78565.9	78010.5	77532.7	77216.7	77532.7	78010.5	78565.9	78976.0	79606.1	80362.0	80687.7
42.5°	78391.1	77934.0	77448.8	77171.2	77448.8	77934.0	78391.1	78820.9	79285.6	79890.2	80198.4
40°	78083.3	77483.2	77022.4	76743.4	77022.4	77483.2	78083.3	78720.7	79484.3	80240.1	79948.8
37.5°	76749.6	76375.8	76146.9	76010.7	76146.9	76375.8	76749.6	77091.8	77564.2	78029.1	78087.6
35°	75292.8	75206.3	75258.9	75269.0	75258.9	75206.3	75292.8	75339.0	75431.8	75681.7	76085.5
32.5°	73019.3	72857.9	72902.1	72820.6	72902.1	72857.9	73019.3	73247.3	73011.2	73404.0	73889.1
30°	69811.4	69621.1	69428.9	69371.2	69428.9	69621.1	69811.4	69868.9	70037.2	70227.8	70848.7
27.5°	67661.8	67343.9	67125.9	67127.7	67125.9	67343.9	67661.8	67853.7	67965.2	68172.8	68799.6
25°	65347.9	64976.9	64746.9	64611.2	64746.9	64976.9	65347.9	65714.1	65885.1	66153.0	66703.9
22.5°	63500.4	63062.4	62791.9	62709.0	62791.9	63062.4	63500.4	63962.1	64133.5	64409.5	64811.3
20°	62391.2	61991.0	61704.3	61707.8	61704.3	61991.0	62391.2	62780.1	62993.4	63129.3	63352.1
17.5°	61659.7	61305.2	61021.5	60825.0	61021.5	61305.2	61659.7	62036.6	62034.7	61939.7	61843.3
15°	60265.7	60014.6	59675.8	59386.9	59675.8	60014.6	60265.7	60525.2	60329.6	59909.8	59487.5
12.5°	57265.4	56984.4	56689.1	56433.5	56689.1	56984.4	57265.4	57415.7	56948.1	56324.6	55819.0
10°	52388.7	52137.9	51964.9	51805.4	51964.9	52137.9	52388.7	52380.7	51933.1	51209.9	50610.6
7.5°	46303.8	46076.9	45865.3	45830.4	45865.3	46076.9	46303.8	46207.7	45727.4	45097.7	44608.6
5°	39729.6	39625.8	39472.3	39463.9	39472.3	39625.8	39729.6	39609.0	39204.8	38662.3	38249.9
2.5°	32816.9	32844.1	32709.9	32687.9	32709.9	32844.1	32816.9	32687.3	32343.1	31946.3	31572.6
0°	25124.6	25201.9	25238.3	25265.6	25238.3	25201.9	25124.6	24901.6	24569.4	24219.0	23923.2
-2.5°	15694.7	15798.0	15836.2	15873.0	15836.2	15798.0	15694.7	15345.7	14952.6	14558.7	14294.1
-5°	5741.2	6716.5	6048.9	6416.5	6048.9	6716.5	5741.2	5677.3	5452.2	5196.2	5115.5
-7.5°	1805.0	2642.3	2770.9	2639.4	2770.9	2642.3	1805.0	1698.9	1328.5	1963.2	1996.0
-10°	1393.4	1473.5	1475.1	1456.2	1475.1	1473.5	1393.4	1111.5	1089.8	1075.2	1249.1
-12.5°	1071.6	1169.4	1273.0	1310.6	1273.0	1169.4	1071.6	1074.4	1074.0	1061.0	1043.1
-15°	1049.1	1041.4	1044.9	1037.6	1044.9	1041.4	1049.1	1050.9	1044.0	1039.9	1029.5
-17.5°	1032.6	1029.5	1037.6	1037.6	1037.6	1029.5	1032.6	1019.4	1024.9	1019.4	1019.4
-20°	1044.5	1048.4	1041.8	1055.8	1041.8	1048.4	1044.5	1038.0	1030.2	1019.4	1019.4



REPORT NUMBER: P902083 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MB-LO

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1077.0	1083.3	1082.0	1083.1	1082.0	1083.3	1077.0	1078.7	1065.4	1045.1	1025.2
-25°	1129.2	1132.2	1134.3	1137.7	1134.3	1132.2	1129.2	1113.8	1105.1	1091.4	1068.8
-27.5°	1174.1	1199.1	1193.6	1192.3	1193.6	1199.1	1174.1	1162.1	1160.2	1128.2	1110.6
-30°	1133.4	1132.7	1126.0	1128.6	1126.0	1132.7	1133.4	1111.3	1101.3	1087.0	1059.3
-32.5°	1040.6	1043.4	1052.7	1055.8	1052.7	1043.4	1040.6	1025.2	1003.6	988.0	958.8
-35°	942.6	959.1	961.9	964.8	961.9	959.1	942.6	940.5	926.7	903.1	899.5
-37.5°	889.5	896.4	899.7	901.0	899.7	896.4	889.5	880.6	869.4	847.0	832.8
-40°	852.2	855.5	855.5	855.5	855.5	855.5	852.2	846.2	832.1	815.8	792.2
-42.5°	851.9	855.8	863.2	864.6	863.2	855.8	851.9	839.3	827.7	808.1	800.6
-45°	893.2	901.1	913.2	919.3	913.2	901.1	893.2	888.7	869.3	866.1	845.8
-47.5°	981.1	1036.6	1029.8	1028.5	1029.8	1036.6	981.1	1000.7	992.8	963.5	945.0
-50°	1212.2	1237.6	1258.9	1256.0	1258.9	1237.6	1212.2	1202.4	1171.4	1154.3	1121.1
-52.5°	1320.1	1359.1	1363.7	1365.2	1363.7	1359.1	1320.1	1302.8	1291.4	1274.8	1201.1
-55°	1188.4	1205.7	1216.1	1219.6	1216.1	1205.7	1188.4	1189.5	1186.6	1147.6	1102.7
-57.5°	996.7	1009.3	1016.9	1019.4	1016.9	1009.3	996.7	979.6	960.0	936.1	909.7
-60°	847.8	852.1	854.6	855.5	854.6	852.1	847.8	841.8	834.2	824.9	814.0
-62.5°	773.4	778.6	781.7	782.7	781.7	778.6	773.4	766.2	757.0	745.9	732.8
-65°	694.6	698.0	700.1	700.8	700.1	698.0	694.6	689.7	691.0	693.4	683.3
-67.5°	627.0	630.1	631.9	632.6	631.9	630.1	627.0	622.7	624.8	621.5	605.2
-70°	595.8	598.5	600.3	600.7	600.3	598.5	595.8	588.2	573.5	567.2	552.3
-72.5°	533.3	535.7	549.5	550.7	549.5	535.7	533.3	525.0	520.8	510.6	487.6
-75°	478.0	480.8	490.9	482.4	490.9	480.8	478.0	469.1	464.6	446.3	426.0
-77.5°	424.8	426.9	431.9	427.8	431.9	426.9	424.8	408.9	403.8	384.1	381.4
-80°	379.1	381.3	382.0	382.3	382.0	381.3	379.1	361.3	359.7	357.6	349.9
-82.5°	312.3	313.2	313.8	314.0	313.8	313.2	312.3	310.7	303.0	299.5	285.8
-85°	244.5	245.2	245.6	245.7	245.6	245.2	244.5	243.5	234.4	233.5	232.2
-87.5°	149.2	149.7	150.0	150.2	150.0	149.7	149.2	148.4	147.5	146.2	130.2
-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: P902083 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MB-LO

**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°	24.5	21.0	20.6	20.2	19.7	19.2	18.6	18.0	17.4	16.8	16.1
85°	60.6	47.7	46.1	44.3	42.4	40.3	38.1	36.1	34.8	33.5	32.2
82.5°	101.3	98.1	93.9	84.6	81.7	78.6	73.7	54.1	52.2	50.3	48.2
80°	203.4	193.3	172.9	148.3	138.7	128.4	116.8	107.0	99.5	91.6	83.3
77.5°	466.8	342.1	295.7	256.4	236.8	222.6	199.0	160.7	151.3	138.5	123.8
75°	1541.1	777.7	539.7	450.2	398.3	358.7	297.6	247.9	224.0	196.6	170.4
72.5°	5339.5	3592.1	2369.2	1750.1	1236.4	889.8	664.2	509.5	449.9	377.2	291.1
70°	14720.2	12342.0	7460.6	4205.6	3153.4	2695.0	2089.0	1570.1	1345.0	1003.6	638.7
67.5°	30740.4	28129.0	20686.0	11847.4	7972.9	6938.1	6147.7	5442.7	4171.0	2703.5	1754.4
65°	53578.2	47194.8	36602.6	25245.2	17255.1	13782.3	11628.4	9400.9	7390.7	5754.8	3934.9
62.5°	79139.4	67244.1	54677.3	43678.4	34009.3	25014.9	17603.3	11728.1	8593.7	6668.2	4832.4
60°	97273.2	83511.4	71915.4	62714.8	53562.1	41526.6	28300.3	17046.8	9357.3	6256.7	4789.5
57.5°	98540.8	88586.2	79750.1	73073.9	67090.1	57649.0	43322.7	27230.9	12934.9	6808.4	4772.3
55°	91906.7	86771.0	80989.0	75937.2	71352.4	66375.1	57625.3	39816.3	21324.7	9669.2	5275.6
52.5°	86475.4	83911.1	80327.4	76564.3	72670.1	68790.4	63438.6	50302.6	32527.1	14754.1	6471.3
50°	84118.1	82463.3	80441.4	77142.0	73772.8	70381.2	66725.2	57772.3	42021.8	21676.2	9328.6
47.5°	82689.7	82157.5	80633.3	77942.0	74699.5	71461.1	68015.8	62159.5	48758.0	30629.1	13603.0
45°	80458.3	80134.2	79204.5	77104.2	73944.3	70818.1	67522.3	63172.3	52604.5	35742.9	17193.1
42.5°	79969.5	79359.7	78672.7	77002.4	74022.5	70750.8	67441.0	63242.0	55016.9	39967.7	22279.1
40°	80460.7	79792.8	79117.1	77898.4	75324.6	72060.8	68697.4	64916.3	58485.4	44436.7	26770.4
37.5°	78439.4	78995.2	77700.5	77872.7	76218.9	73530.4	70132.5	66486.8	60918.6	49474.3	32053.8
35°	76222.2	76355.0	75576.0	75339.7	74230.2	71629.8	69407.5	66278.4	61737.7	51797.9	35685.8
32.5°	73839.8	73802.7	73012.5	72567.3	71231.1	69659.9	67393.2	64475.0	61091.5	52255.4	37641.9
30°	71339.5	71099.1	70387.6	70117.2	69388.0	67796.2	65473.4	62451.7	58455.8	51352.7	39087.5
27.5°	69357.3	69145.5	68398.9	68032.7	67787.9	66102.7	63544.2	60426.9	56558.4	50836.4	39922.7
25°	67251.1	67027.4	66238.5	65749.4	65335.4	63880.3	61207.3	58493.8	55259.9	51715.0	40712.1
22.5°	65185.0	64828.0	63879.1	63041.4	62304.1	60528.6	57892.0	55396.7	52875.1	48539.9	39271.5
20°	63438.8	62765.4	61399.8	60164.5	58957.0	57023.4	54163.9	51415.2	48803.5	45154.1	37420.0
17.5°	61634.4	60606.1	58879.2	57083.5	55688.4	53429.5	50257.4	47234.1	44508.6	41194.6	34584.0
15°	59003.4	57741.6	55718.9	53831.4	52095.1	49604.3	46419.4	43304.8	40667.7	37617.9	31664.7
12.5°	55065.1	53850.1	51804.6	49809.3	48135.6	45761.5	42693.5	39752.3	37237.7	34567.7	29400.8
10°	50001.0	48771.1	46930.1	45148.8	43616.0	41651.4	38926.3	36253.8	33887.9	31392.6	27066.9
7.5°	44094.5	43044.3	41461.4	39907.1	38673.6	37085.5	34810.9	32491.4	30332.5	27928.1	23797.7
5°	37829.8	36936.0	35572.4	34262.7	33279.0	31985.1	30049.4	27997.6	26144.3	24079.9	20268.7
2.5°	31182.0	30319.2	29101.8	27969.3	27142.3	26065.8	24433.2	22741.5	21213.8	19545.0	16164.0
0°	23536.3	22730.8	21616.0	20692.2	20005.0	19163.1	17866.1	16651.1	15581.7	14293.8	11513.4
-2.5°	13934.0	13315.0	12494.0	11797.2	11436.1	10867.3	10167.7	9488.8	8901.8	8119.7	6362.3
-5°	5057.5	4823.1	4532.8	4347.7	4402.5	4196.7	4111.7	4101.8	3962.1	3649.7	3043.1
-7.5°	1966.8	1948.6	1943.5	1972.4	1924.9	1996.7	1965.0	1984.4	2019.2	1929.3	1805.1
-10°	1586.0	1621.1	1593.1	1583.7	1595.3	1599.2	1647.0	1656.7	1633.6	1573.6	1559.9
-12.5°	1024.4	1356.1	1533.9	1528.4	1506.2	1526.1	1554.3	1577.5	1563.2	1518.5	1508.7
-15°	996.8	987.7	1108.7	1382.3	1476.8	1478.0	1490.5	1522.3	1508.5	1470.6	1463.6
-17.5°	1000.7	971.1	964.8	962.7	1269.7	1434.7	1469.0	1474.8	1449.5	1425.7	1430.9
-20°	1006.5	995.0	964.8	955.3	932.6	1164.6	1379.7	1466.9	1420.6	1402.9	1414.4



REPORT NUMBER: P902083 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MB-LO

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1019.4	1015.6	992.1	960.7	948.3	958.3	1141.8	1361.6	1440.5	1412.4	1395.0
-25°	1057.2	1040.0	1017.1	982.0	964.8	968.9	1009.3	1135.3	1311.6	1416.2	1379.9
-27.5°	1074.0	1047.2	1027.0	986.4	964.8	997.1	1014.8	985.6	1085.1	1251.7	1303.4
-30°	1018.3	993.3	964.2	959.4	955.6	953.8	973.3	971.9	937.3	1060.7	1192.6
-32.5°	942.3	917.5	881.7	870.8	869.5	864.8	889.1	928.3	930.9	871.8	1012.7
-35°	867.6	836.8	799.2	778.9	764.0	769.4	797.3	834.3	852.4	826.1	795.2
-37.5°	806.4	785.2	746.4	736.1	724.8	728.1	723.2	733.0	745.9	741.1	695.6
-40°	765.3	754.8	728.1	728.1	711.0	667.3	671.0	681.6	673.5	665.7	623.5
-42.5°	768.1	767.0	735.0	728.1	721.8	703.4	678.3	665.2	656.9	635.8	602.6
-45°	832.7	827.1	791.7	776.2	752.9	737.9	724.2	678.0	658.3	627.4	604.5
-47.5°	918.4	910.6	873.8	857.9	838.4	815.1	797.4	770.8	733.1	686.4	615.2
-50°	1067.3	1019.4	994.8	979.3	962.2	906.3	916.9	866.4	828.7	754.1	635.9
-52.5°	1167.6	1122.2	1100.2	1050.1	1029.8	984.6	972.6	932.4	884.5	770.4	644.5
-55°	1068.6	1050.9	1012.5	1003.2	975.7	972.5	979.2	904.7	817.3	698.5	581.6
-57.5°	891.4	895.9	887.1	880.9	870.1	856.5	825.9	776.7	680.6	578.5	495.3
-60°	801.6	783.1	776.9	791.7	768.9	719.9	669.2	623.1	566.0	491.0	425.1
-62.5°	722.9	714.5	706.4	693.3	642.7	613.3	574.5	534.8	485.3	438.4	379.5
-65°	669.8	654.7	625.9	601.4	581.4	541.0	499.6	460.3	423.6	385.5	343.5
-67.5°	593.7	583.5	559.3	529.1	511.5	480.7	446.7	414.5	385.0	341.4	305.7
-70°	536.2	521.2	501.1	480.4	456.4	427.7	395.6	376.0	347.3	309.1	278.2
-72.5°	468.8	458.6	443.3	416.4	402.2	385.8	359.5	331.8	305.5	277.9	250.0
-75°	420.1	415.3	398.1	373.5	359.9	342.3	319.2	288.5	273.8	247.6	221.1
-77.5°	377.0	366.9	351.6	343.0	319.7	300.7	285.7	252.8	242.7	224.2	202.5
-80°	332.7	313.7	309.3	295.4	282.0	260.2	238.2	216.9	211.4	197.6	172.7
-82.5°	274.0	261.9	256.9	236.1	231.4	222.6	201.0	181.0	175.5	153.3	132.8
-85°	224.7	224.0	222.2	189.9	186.8	153.4	148.1	144.3	138.6	118.1	100.5
-87.5°	128.3	126.1	123.5	100.9	98.5	94.0	92.1	72.2	69.7	67.1	64.2
-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: P902083 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MB-LO

**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°	15.4	14.6	13.8	13.0	12.2	11.4	10.5	9.6	8.7	7.8	6.8
85°	30.7	29.2	27.7	26.1	24.2	18.2	18.3	19.2	17.4	15.5	13.7
82.5°	46.0	43.8	41.5	39.1	35.0	18.2	19.3	28.8	26.1	23.3	20.5
80°	74.7	65.8	56.4	52.0	47.8	36.1	30.9	38.3	34.7	31.0	27.2
77.5°	116.6	109.1	93.7	75.2	66.9	58.9	50.3	47.8	43.2	38.6	34.0
75°	149.0	137.9	125.3	107.5	90.9	85.2	78.2	62.2	51.7	46.2	40.6
72.5°	232.4	208.1	175.5	152.6	138.2	120.3	108.7	90.1	71.2	53.7	47.2
70°	525.4	381.6	257.3	213.5	185.2	159.1	133.2	114.9	96.1	74.2	53.7
67.5°	1234.3	713.8	451.3	294.9	231.7	194.1	156.6	133.0	116.9	96.1	71.2
65°	2337.3	1312.3	707.4	384.2	298.1	226.7	191.9	153.9	133.0	114.9	90.1
62.5°	3244.9	1623.5	941.0	520.4	362.1	265.7	225.3	179.8	150.5	129.0	108.7
60°	2989.4	1811.7	1119.0	660.2	432.0	308.9	249.9	205.6	173.7	142.8	115.7
57.5°	3409.8	2083.5	1330.6	789.0	495.6	357.7	280.2	230.9	196.5	159.5	120.7
55°	4066.1	3040.4	1780.3	990.9	529.7	411.0	321.0	255.9	218.8	179.2	126.7
52.5°	4528.3	3557.0	2596.1	1344.2	670.5	468.4	363.2	288.9	240.4	200.7	145.4
50°	5315.7	4098.3	3146.4	2008.6	864.0	546.6	406.0	319.1	263.5	219.3	163.1
47.5°	6823.6	4977.4	3758.5	2616.8	1344.8	625.3	448.4	354.5	290.6	237.3	178.1
45°	8183.5	5786.8	4438.5	3165.6	1781.7	877.1	509.1	390.8	316.8	250.5	190.0
42.5°	9638.5	6693.7	5086.7	3701.6	2260.3	1154.9	570.3	429.9	342.7	265.6	202.0
40°	13841.6	7813.3	5949.6	4420.3	2796.4	1502.2	781.1	474.9	364.8	276.9	215.4
37.5°	16981.5	9288.7	7163.2	5597.6	3664.5	1865.2	986.5	512.9	381.5	284.3	230.0
35°	19351.2	10167.1	7935.5	6607.6	4597.3	2216.9	1171.7	589.9	404.1	298.4	241.6
32.5°	20762.8	10257.4	7455.1	6257.1	4721.6	2676.0	1329.2	718.9	428.1	315.7	246.4
30°	21792.5	9163.1	6412.4	5576.3	4536.7	2876.4	1409.2	821.4	446.5	331.3	248.9
27.5°	23389.6	10373.7	5929.3	5019.9	4213.2	2818.2	1483.7	902.9	459.5	345.3	250.9
25°	24704.2	10622.9	5709.9	4694.7	3921.9	2769.8	1558.2	955.0	510.0	357.3	252.1
22.5°	24874.9	11041.1	5591.2	4423.4	3748.9	2689.2	1596.7	977.4	570.2	365.0	260.1
20°	24135.4	11578.2	5464.3	4183.5	3511.7	2552.4	1562.3	986.7	617.3	368.3	269.6
17.5°	22853.8	11158.6	5100.3	3887.0	3226.2	2351.4	1502.3	981.2	654.8	370.1	275.0
15°	21270.4	10688.2	4645.9	3555.8	2929.1	2184.6	1415.9	973.2	684.5	372.0	276.5
12.5°	19678.8	9816.1	4543.0	3263.7	2646.5	1985.9	1364.3	964.0	703.0	371.7	276.1
10°	17941.8	9074.9	4229.5	2995.7	2387.4	1815.4	1289.0	941.8	702.4	367.5	274.7
7.5°	15860.3	7998.1	3734.1	2687.0	2120.6	1641.9	1221.1	912.5	691.2	360.7	272.4
5°	13371.1	6625.5	3202.5	2384.2	1872.3	1474.6	1141.9	878.4	675.7	356.2	269.0
2.5°	10443.1	5114.5	2690.0	2096.8	1668.4	1342.4	1083.1	855.7	658.1	351.8	264.6
0°	7299.4	3640.6	2229.9	1829.4	1497.2	1219.6	1019.4	828.2	637.1	345.9	259.4
-2.5°	4148.8	2512.5	1871.1	1584.0	1336.6	1143.7	965.5	796.5	618.6	338.6	253.1
-5°	2381.1	1868.8	1599.4	1417.4	1219.2	1072.1	910.9	761.4	597.3	329.8	246.0
-7.5°	1713.7	1564.7	1444.4	1317.7	1164.9	1020.8	875.0	726.4	573.9	319.6	238.0
-10°	1536.3	1462.5	1397.1	1263.3	1124.8	984.8	838.1	688.5	548.9	308.0	230.8
-12.5°	1476.5	1439.5	1348.7	1223.2	1092.6	957.5	811.6	658.4	520.3	295.1	224.0
-15°	1437.6	1407.5	1311.4	1198.8	1062.0	918.0	783.9	630.2	486.3	281.8	217.4
-17.5°	1421.6	1360.1	1286.6	1150.9	1011.2	882.5	741.8	603.2	447.7	269.7	212.3
-20°	1387.9	1316.9	1251.4	1091.4	963.6	848.3	693.7	578.1	406.9	258.1	207.7



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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°	1332.1	1276.9	1193.7	1037.6	906.3	802.1	659.8	553.5	361.1	247.4	202.6
-25°	1292.0	1209.8	1120.0	981.0	837.2	734.6	623.5	525.0	308.2	237.9	194.6
-27.5°	1249.3	1152.0	1054.1	924.7	794.0	674.4	584.2	494.8	270.1	227.9	181.5
-30°	1207.7	1098.7	997.8	854.8	749.8	639.8	551.0	433.5	261.3	215.6	169.7
-32.5°	1062.8	1018.5	920.8	806.8	707.0	607.1	522.5	369.3	251.7	202.9	159.2
-35°	891.4	905.6	851.1	765.6	660.9	572.4	489.2	300.8	241.5	189.4	150.3
-37.5°	704.4	795.7	792.6	702.9	614.9	535.7	422.2	265.5	227.7	177.3	142.0
-40°	584.0	660.8	683.2	640.8	575.7	498.9	344.6	252.8	210.6	167.2	133.2
-42.5°	548.5	529.3	603.6	594.4	540.2	444.2	271.2	239.4	196.3	156.6	123.9
-45°	531.4	483.7	515.9	532.4	503.5	349.3	255.8	225.5	184.7	145.5	114.2
-47.5°	549.9	486.0	430.7	470.3	417.6	271.9	239.8	210.9	170.6	133.9	109.2
-50°	556.7	469.9	380.8	389.2	309.5	253.9	223.2	195.6	152.8	121.9	109.2
-52.5°	525.1	428.0	350.0	310.7	266.5	233.7	206.1	180.3	141.0	109.5	109.2
-55°	478.2	383.9	331.1	269.6	236.1	224.5	191.5	164.3	130.6	109.2	108.0
-57.5°	430.0	355.9	298.9	240.1	225.5	208.5	172.0	147.9	121.1	109.2	96.4
-60°	375.3	326.3	264.7	227.4	210.8	185.5	156.1	131.0	117.6	106.4	84.6
-62.5°	332.5	291.0	239.1	206.7	188.6	168.3	147.1	120.6	110.8	95.2	72.8
-65°	299.0	250.8	224.6	182.5	166.1	149.2	139.5	114.8	109.2	87.8	72.8
-67.5°	274.6	241.1	211.2	173.9	148.9	145.6	133.6	113.0	109.2	84.8	72.8
-70°	248.5	218.4	188.1	161.6	147.5	142.8	123.3	110.5	100.5	80.0	71.9
-72.5°	221.7	197.3	170.6	145.3	136.1	121.0	109.0	100.2	83.9	71.9	65.4
-75°	194.3	174.3	157.6	140.7	120.8	104.1	98.9	88.8	69.9	64.4	58.8
-77.5°	176.8	145.6	141.7	133.0	110.9	92.9	88.6	80.4	61.4	56.8	54.2
-80°	154.7	131.1	128.0	119.2	95.5	81.7	78.3	72.3	54.6	54.6	53.7
-82.5°	127.5	115.5	101.1	94.7	73.2	70.5	67.8	64.4	54.6	54.6	53.7
-85°	92.2	87.2	73.6	70.0	60.8	59.1	57.4	55.6	52.2	46.6	40.7
-87.5°	46.1	43.9	41.5	39.1	36.7	34.1	31.5	28.8	26.1	23.3	20.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.9	4.9	3.9	3.0	2.0	1.0	0.0
85°	11.8	9.8	7.9	5.9	4.0	2.0	0.0
82.5°	17.6	14.7	11.8	8.9	5.9	3.0	0.0
80°	23.4	19.6	15.7	11.8	7.9	3.9	0.0
77.5°	29.2	24.4	19.6	14.7	9.8	4.9	0.0
75°	35.0	29.2	23.4	17.6	11.8	5.9	0.0
72.5°	40.6	34.0	27.2	20.5	13.7	6.8	0.0
70°	46.2	38.6	31.0	23.3	15.5	7.8	0.0
67.5°	51.7	43.2	34.7	26.1	17.4	8.7	0.0
65°	60.9	47.8	38.3	28.8	19.2	9.6	0.0
62.5°	73.1	52.2	41.9	31.4	21.0	10.5	0.0
60°	83.7	57.2	45.3	34.1	22.7	11.4	0.0
57.5°	92.6	62.2	48.7	36.6	24.4	12.2	0.0
55°	99.9	66.1	52.0	39.1	26.1	13.0	0.0
52.5°	106.8	68.9	55.2	41.5	27.7	13.8	0.0
50°	113.1	72.8	58.3	43.8	29.2	14.6	0.0
47.5°	119.7	80.2	61.3	46.0	30.7	15.4	0.0
45°	129.4	87.4	64.2	48.2	32.2	16.1	0.0
42.5°	138.4	94.3	66.9	50.3	33.5	16.8	0.0
40°	148.4	100.9	69.6	52.2	34.8	17.4	0.0
37.5°	159.7	107.2	72.1	54.1	36.1	18.0	0.0
35°	171.4	114.8	76.0	55.9	37.3	18.4	0.0
32.5°	181.9	122.0	80.5	57.5	38.4	18.7	0.0
30°	190.3	127.7	84.6	59.1	39.4	19.0	0.0
27.5°	195.3	131.9	88.5	60.5	39.3	19.1	0.0
25°	199.0	134.8	92.0	61.8	39.2	19.2	0.0
22.5°	201.9	136.3	95.2	63.0	39.1	19.3	0.0
20°	203.9	136.6	98.1	64.1	39.0	19.3	0.0
17.5°	205.3	135.8	100.7	65.1	38.9	19.3	0.0
15°	205.7	135.0	102.9	65.9	38.8	19.2	0.0
12.5°	205.3	134.6	102.8	66.6	38.7	19.1	0.0
10°	204.1	133.6	101.4	67.2	38.4	18.9	0.0
7.5°	202.1	132.0	99.4	67.7	38.1	18.8	0.0
5°	199.2	129.6	96.9	68.0	37.7	18.6	0.0
2.5°	195.6	126.6	94.1	68.2	37.1	18.4	0.0
0°	191.1	122.9	91.0	68.3	36.4	18.2	0.0
-2.5°	188.3	122.5	90.9	68.2	37.1	18.4	0.0
-5°	184.9	121.5	90.7	68.0	37.7	18.6	0.0
-7.5°	181.2	119.9	90.2	67.7	38.1	18.8	0.0
-10°	177.0	117.6	89.6	67.2	38.4	18.9	0.0
-12.5°	171.3	114.5	88.8	66.6	38.7	19.1	0.0
-15°	164.4	110.9	87.9	65.9	38.8	19.2	0.0
-17.5°	156.0	108.4	86.7	65.1	38.9	19.3	0.0
-20°	147.7	106.8	85.5	64.1	39.0	19.3	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	142.6	105.0	84.0	63.0	39.1	19.3	0.0
-25°	137.7	102.9	82.4	61.8	39.2	19.2	0.0
-27.5°	132.4	100.7	80.6	60.5	39.3	19.1	0.0
-30°	126.5	98.3	78.7	59.1	39.4	19.0	0.0
-32.5°	120.3	95.7	76.6	57.5	38.4	18.7	0.0
-35°	113.6	92.9	74.4	55.9	37.3	18.4	0.0
-37.5°	107.8	90.0	72.1	54.1	36.2	18.0	0.0
-40°	104.1	86.8	69.6	52.2	35.3	17.4	0.0
-42.5°	101.1	83.6	66.9	50.3	34.5	16.8	0.0
-45°	99.8	80.1	64.2	48.2	33.9	16.1	0.0
-47.5°	99.9	76.5	61.3	46.0	33.4	15.4	0.0
-50°	96.3	72.8	58.3	43.8	33.1	14.6	0.0
-52.5°	90.3	68.9	55.2	41.5	32.8	13.8	0.0
-55°	82.3	64.9	52.0	39.1	32.7	13.0	0.0
-57.5°	72.7	60.8	48.7	36.6	32.7	12.2	0.0
-60°	68.8	56.5	45.3	36.4	32.8	11.4	0.0
-62.5°	66.1	52.2	41.9	36.4	32.9	10.5	0.0
-65°	64.3	47.8	38.3	36.4	33.2	9.6	0.0
-67.5°	61.9	43.2	36.4	36.4	32.2	8.7	0.0
-70°	58.1	38.6	36.4	36.4	29.2	7.8	0.0
-72.5°	54.0	36.4	36.4	36.4	26.1	6.8	0.0
-75°	49.9	36.4	36.4	35.2	22.7	5.9	0.0
-77.5°	45.9	36.4	36.4	29.5	19.2	4.9	0.0
-80°	41.2	36.4	31.4	23.6	15.5	3.9	0.0
-82.5°	35.2	29.5	23.6	17.8	11.8	3.0	0.0
-85°	23.5	19.7	15.8	11.9	7.9	2.0	0.0
-87.5°	11.8	9.8	7.9	5.9	4.0	1.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)