

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: P902137 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-S9**

Issue Date: 11/14/2024

**Test Information**

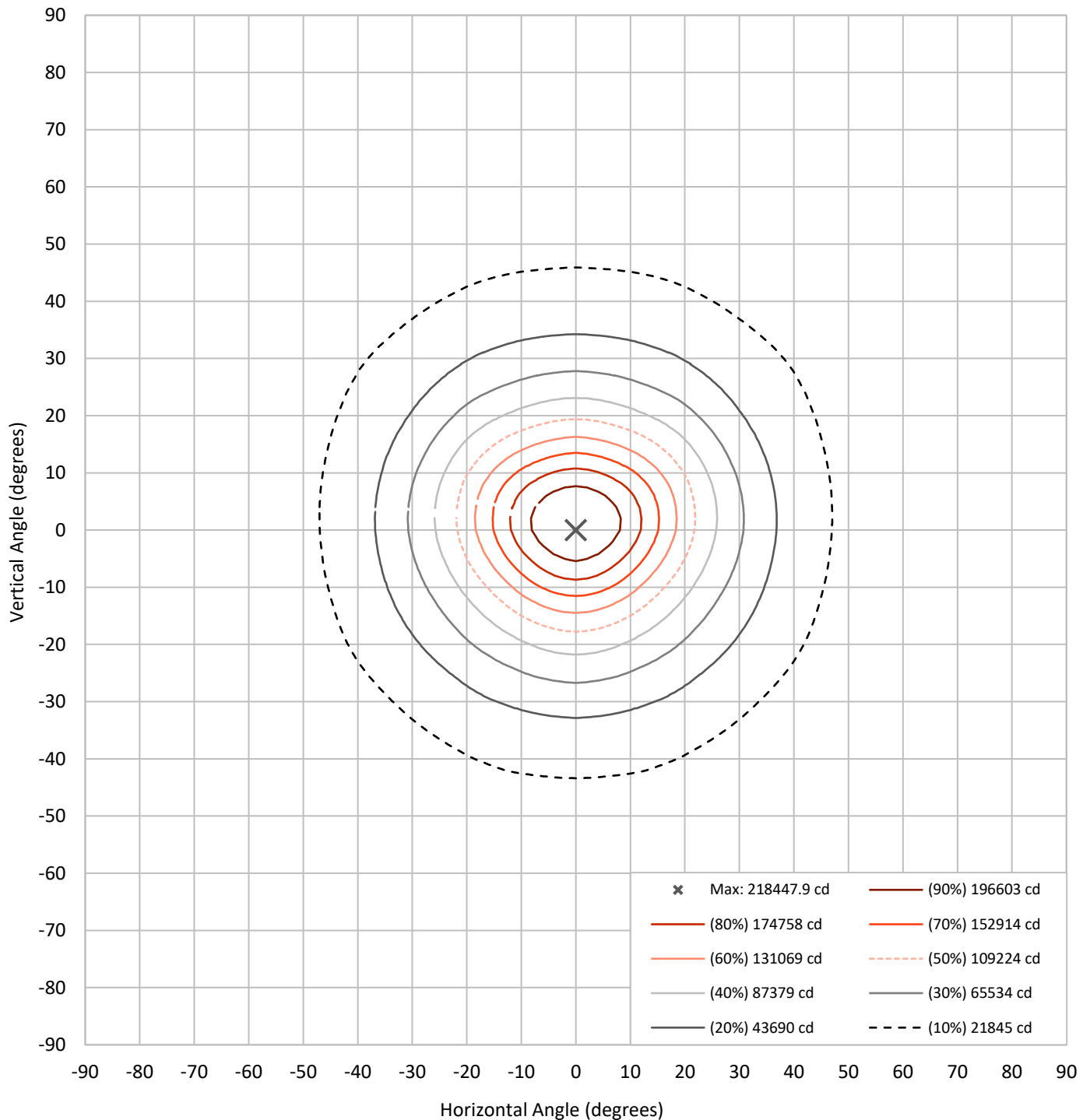
Test Method: LM-79-08  
Report Number: P902137 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( LVA2202008)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/14/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-AV-03-1360S-57-85-S9  
Description: ARENAVISION LUMINAIRE  
5700K, 85 CRI LEDS AND S9 OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	159054.6 lumens	Max Intensity:	218447.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	112.6 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	43.5°H x 37.2°V	Field Angle (10%):	94.1°H x 89.4°V
Beam Lumens:	59000.2 lumens	Field Lumens:	133553.3 lumens
Beam Efficiency:	37.1%	Field Efficiency:	84.0%
Input Watts (W):	1413		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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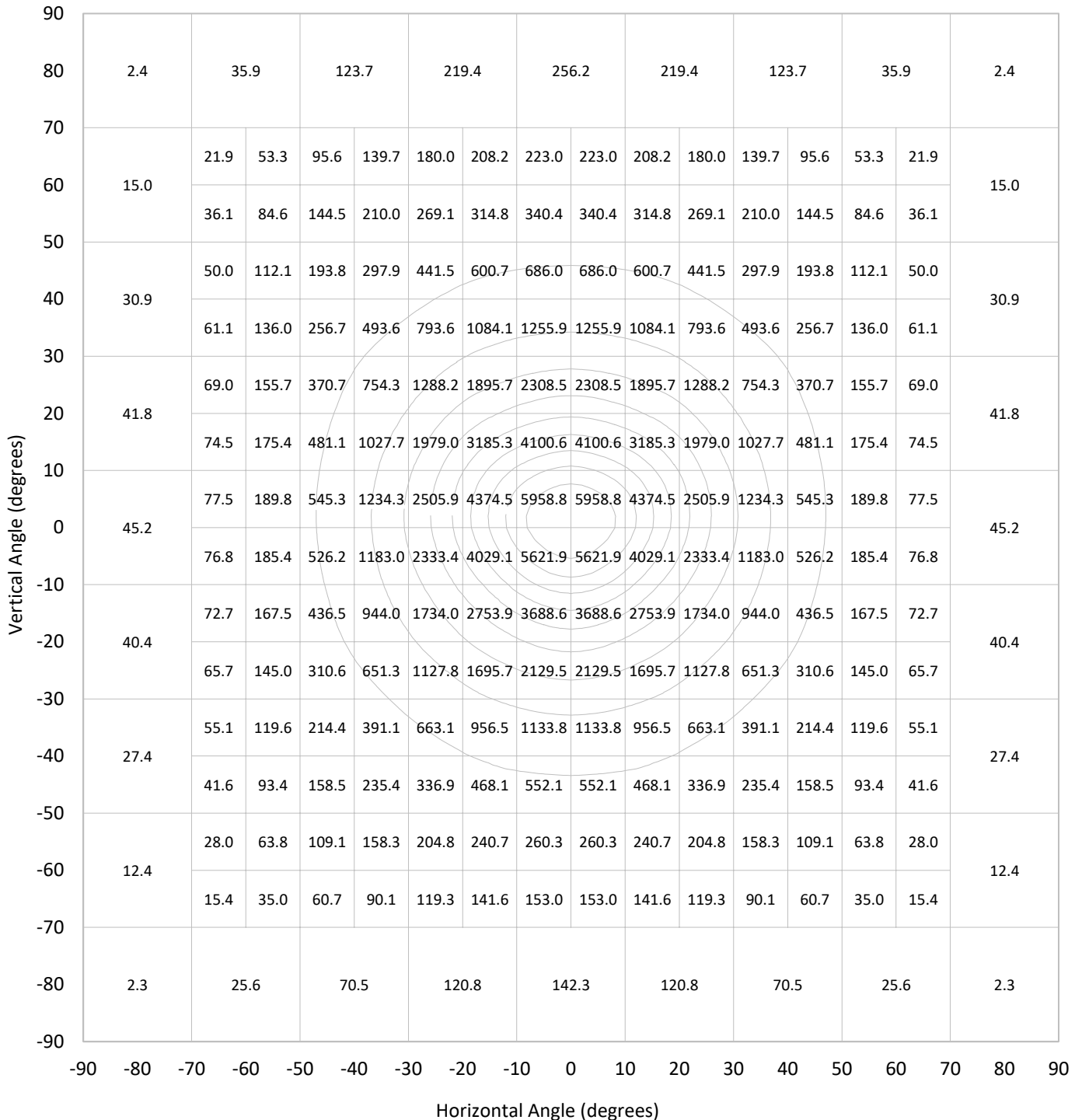
### Iso-Candela Plot





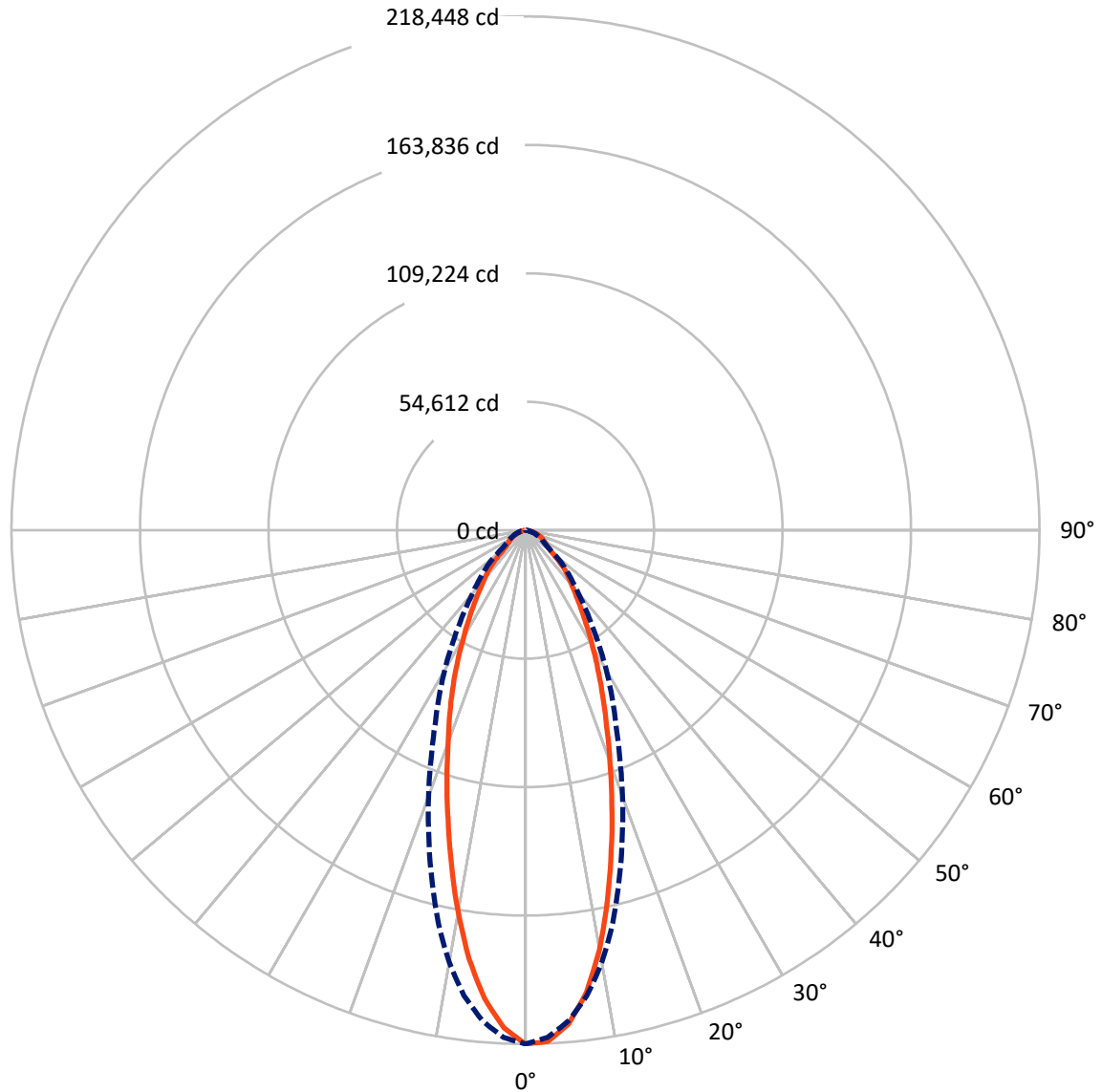
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### Lumen Table



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CATALOG NUMBER: EPH-AV-03-1360S-57-85-S9

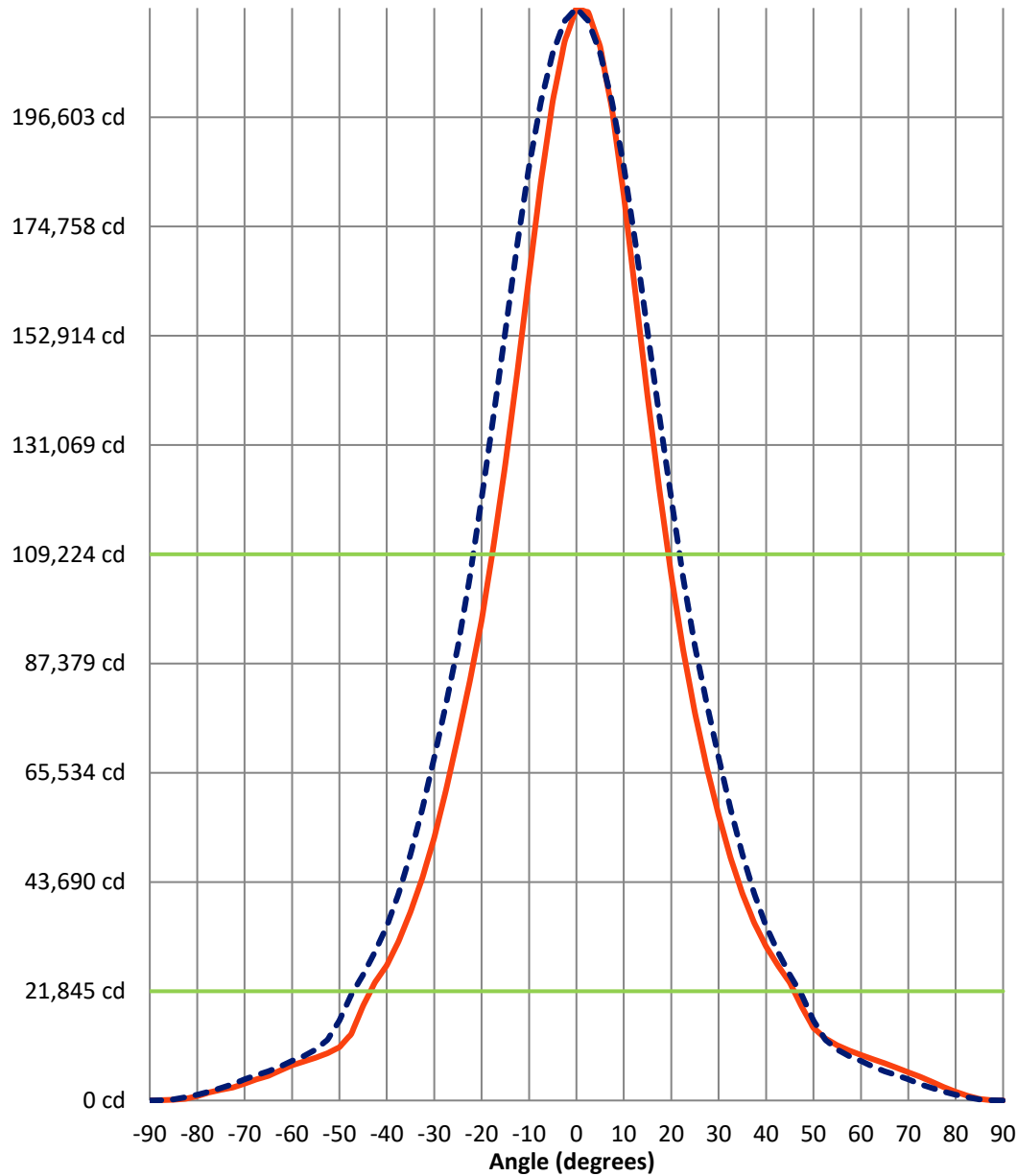
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 43.5°  
 V Angle: 37.2°  
 Lumens: 59000.2  
 Efficiency: 37.1%

**Field:**  
 H Angle: 94.1°  
 V Angle: 89.4°  
 Lumens: 133553.3  
 Efficiency: 84.0%

**Spill:**  
 Lumens: 25501.3  
 Efficiency: 16.0%

— Vertical Distribution through 0-Deg  
 - - Horizontal Distribution through 0-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	1.7	3.3	4.7	6.2	7.6	9.1	10.2	12.5	14.0	16.5
85°	0.0	3.4	6.5	9.5	12.5	15.2	18.1	20.4	25.0	28.0	42.7
82.5°	0.0	5.1	9.8	14.2	18.7	22.8	27.1	54.6	88.9	121.1	151.4
80°	0.0	6.7	13.0	18.9	24.9	41.8	84.0	135.6	179.6	221.9	274.6
77.5°	0.0	8.4	16.2	23.6	40.6	88.7	145.3	215.0	285.3	371.0	455.6
75°	0.0	10.0	19.4	28.2	72.8	134.4	205.4	319.3	426.9	530.9	651.5
72.5°	0.0	11.7	22.5	45.7	104.2	178.9	294.2	437.1	566.4	721.4	888.4
70°	0.0	13.3	25.7	66.0	134.7	238.6	391.4	552.6	737.7	925.2	1128.2
67.5°	0.0	14.8	28.7	85.6	164.2	315.0	486.2	694.0	908.9	1131.7	1378.6
65°	0.0	16.4	36.1	104.5	208.3	389.3	593.1	837.6	1078.4	1338.9	1633.0
62.5°	0.0	17.9	46.7	122.6	265.3	461.5	713.5	978.8	1247.3	1547.8	1911.2
60°	0.0	19.4	56.8	139.9	320.6	543.9	830.5	1116.5	1409.5	1788.5	2183.9
57.5°	0.0	20.8	66.4	157.9	374.1	639.2	943.9	1248.4	1607.5	2023.0	2455.9
55°	0.0	22.2	75.5	195.3	425.8	732.0	1051.3	1374.7	1809.4	2256.4	2720.3
52.5°	0.0	23.6	84.1	231.1	479.9	822.0	1154.9	1538.9	2003.9	2480.2	3002.1
50°	0.0	24.9	92.1	265.3	550.3	909.8	1254.0	1701.7	2192.7	2700.5	3270.1
47.5°	0.0	26.2	99.6	297.6	617.6	988.0	1353.7	1857.6	2373.4	2928.7	3543.4
45°	0.0	27.4	106.4	328.2	680.5	1061.5	1478.7	2005.8	2543.8	3144.3	3812.3
42.5°	0.0	28.6	112.6	356.8	740.0	1130.2	1596.0	2143.0	2719.7	3359.8	4071.4
40°	0.0	29.7	118.2	383.0	796.0	1193.9	1704.2	2270.6	2883.0	3569.0	4324.0
37.5°	0.0	30.8	123.2	406.7	848.5	1252.5	1802.6	2388.8	3033.2	3758.6	4564.9
35°	0.0	33.0	135.3	438.3	892.6	1320.2	1893.7	2503.4	3177.7	3945.2	4761.0
32.5°	0.0	35.5	149.1	471.2	931.1	1388.7	1977.7	2611.5	3317.1	4135.6	4894.9
30°	0.0	37.8	161.7	501.1	966.2	1450.8	2053.9	2709.3	3442.5	4311.2	5017.3
27.5°	0.0	39.9	173.6	528.1	997.2	1506.3	2124.2	2796.9	3555.8	4472.2	5128.4
25°	0.0	41.7	184.4	552.1	1025.2	1555.2	2188.0	2874.4	3661.8	4579.1	5244.7
22.5°	0.0	43.4	193.9	573.0	1050.2	1598.1	2244.9	2952.0	3779.2	4661.6	5345.0
20°	0.0	44.9	202.1	590.9	1072.1	1635.8	2296.2	3025.5	3885.7	4735.2	5438.8
17.5°	0.0	46.1	209.1	607.1	1090.8	1667.0	2345.8	3087.4	3981.5	4804.3	5518.5
15°	0.0	47.2	214.8	620.7	1106.2	1694.1	2388.9	3140.4	4062.6	4871.4	5599.3
12.5°	0.0	48.1	219.3	631.4	1121.3	1717.7	2423.8	3185.0	4129.4	4929.2	5684.6
10°	0.0	48.8	222.5	638.9	1134.3	1737.7	2450.1	3217.8	4180.4	4982.5	5751.5
7.5°	0.0	49.3	224.5	643.6	1143.8	1753.6	2472.7	3240.4	4214.8	5022.9	5800.5
5°	0.0	49.6	225.4	645.2	1149.7	1762.9	2488.2	3257.6	4237.8	5051.6	5830.5
2.5°	0.0	49.7	225.0	643.9	1152.0	1765.4	2495.1	3263.5	4246.0	5069.2	5843.9
0°	0.0	49.6	223.5	639.7	1150.4	1761.1	2493.4	3258.4	4237.6	5073.4	5839.4
-2.5°	0.0	49.6	223.8	641.1	1151.6	1757.7	2488.5	3247.0	4214.9	5061.6	5817.7
-5°	0.0	49.4	222.9	639.7	1148.9	1747.4	2475.2	3225.2	4176.3	5037.1	5779.6
-7.5°	0.0	49.1	220.9	635.3	1142.4	1730.1	2453.3	3193.4	4125.1	5009.0	5738.0
-10°	0.0	48.6	217.7	628.0	1131.9	1705.8	2424.4	3158.1	4067.3	4975.4	5683.7
-12.5°	0.0	47.8	213.4	617.8	1117.7	1676.3	2391.2	3114.7	3994.5	4924.5	5618.3
-15°	0.0	47.0	207.9	604.7	1099.8	1642.2	2349.9	3062.1	3910.5	4844.3	5541.8
-17.5°	0.0	45.9	201.2	588.6	1078.4	1607.1	2300.5	3003.0	3816.7	4745.3	5461.5
-20°	0.0	44.7	193.4	569.3	1052.7	1571.8	2243.2	2936.7	3709.1	4623.0	5372.0



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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S9

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	43.2	184.4	546.7	1022.8	1531.6	2177.2	2861.1	3583.7	4476.9	5267.0
-25°	0.0	41.6	174.3	521.6	988.6	1483.7	2102.3	2774.7	3442.1	4309.5	5132.1
-27.5°	0.0	39.9	163.0	494.1	950.2	1429.2	2018.4	2669.1	3318.3	4125.7	4982.3
-30°	0.0	37.9	150.7	464.1	907.2	1369.4	1924.2	2554.1	3186.4	3933.9	4753.3
-32.5°	0.0	35.9	138.2	431.9	856.5	1304.3	1817.1	2429.8	3040.3	3727.9	4502.7
-35°	0.0	33.6	124.7	397.5	802.2	1234.0	1703.1	2295.4	2882.3	3498.6	4233.7
-37.5°	0.0	31.5	113.1	365.2	746.4	1159.4	1593.3	2151.5	2715.0	3281.9	3949.8
-40°	0.0	30.5	108.8	342.0	693.0	1082.8	1495.7	2001.9	2539.6	3076.8	3669.6
-42.5°	0.0	29.4	104.0	317.4	638.2	1003.5	1394.2	1846.7	2358.4	2868.0	3388.5
-45°	0.0	28.2	98.8	291.6	582.2	921.6	1290.2	1686.8	2171.7	2657.1	3145.0
-47.5°	0.0	27.0	93.1	264.7	525.0	837.2	1183.4	1544.6	1987.1	2444.9	2902.2
-50°	0.0	25.7	86.9	236.8	467.9	750.6	1080.1	1418.0	1799.9	2226.7	2652.7
-52.5°	0.0	24.3	80.3	208.0	410.1	680.3	974.3	1287.2	1607.5	2004.1	2396.3
-55°	0.0	23.0	73.3	178.2	367.8	610.5	865.2	1153.8	1451.7	1775.6	2129.3
-57.5°	0.0	21.5	65.9	147.5	328.2	540.8	755.3	1030.4	1291.9	1547.9	1867.0
-60°	0.0	20.0	58.1	133.5	287.3	471.2	675.8	905.1	1132.7	1359.7	1602.1
-62.5°	0.0	18.5	49.9	120.2	245.1	411.6	590.6	778.1	983.5	1167.6	1370.6
-65°	0.0	17.0	41.4	106.0	201.8	358.9	500.4	661.9	827.8	982.1	1144.7
-67.5°	0.0	15.4	35.0	91.2	167.4	304.7	417.2	541.3	680.7	801.3	947.8
-70°	0.0	13.7	31.4	75.7	142.6	249.0	342.3	421.8	546.6	650.8	764.0
-72.5°	0.0	12.1	27.7	59.6	116.6	200.2	266.1	333.4	421.9	526.9	621.7
-75°	0.0	10.4	23.9	45.0	89.6	157.0	195.8	244.3	332.8	413.6	499.0
-77.5°	0.0	8.7	20.1	37.9	61.7	111.7	146.5	170.7	244.5	318.3	390.1
-80°	0.0	7.0	16.1	30.5	44.5	64.8	98.2	125.9	178.5	227.0	285.3
-82.5°	0.0	5.3	12.2	23.1	33.5	41.3	53.5	81.9	119.8	152.7	190.8
-85°	0.0	3.5	8.1	15.4	22.4	27.6	35.8	50.8	68.7	80.6	97.5
-87.5°	0.0	1.8	4.1	7.7	11.2	13.8	17.9	25.5	34.5	40.4	46.3
-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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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S9

**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°	18.2	20.1	20.8	21.3	21.8	22.1	22.4	22.4	23.8	23.5	24.8
85°	62.7	80.7	95.5	109.7	121.1	131.9	140.3	148.0	155.8	162.5	168.0
82.5°	179.7	202.2	223.7	267.4	307.0	346.4	382.9	419.1	455.8	489.8	518.6
80°	340.8	401.7	462.5	522.6	585.6	671.2	754.7	838.2	923.4	1002.2	1072.7
77.5°	540.7	635.8	752.8	870.0	988.6	1102.0	1234.8	1363.1	1490.0	1608.9	1723.6
75°	795.2	940.0	1089.7	1265.7	1449.2	1621.4	1783.4	1963.2	2150.5	2333.5	2496.1
72.5°	1062.8	1265.4	1478.5	1699.7	1935.6	2166.1	2393.8	2617.0	2840.2	3069.0	3294.8
70°	1361.5	1606.1	1871.8	2146.5	2426.2	2695.8	2961.2	3227.4	3495.5	3768.1	4030.7
67.5°	1657.0	1962.8	2271.3	2578.9	2888.6	3203.6	3524.6	3838.9	4140.0	4439.2	4706.1
65°	1972.4	2314.0	2654.9	2997.6	3376.6	3738.1	4100.2	4453.8	4778.0	5078.3	5349.0
62.5°	2283.0	2661.2	3047.8	3468.0	3888.8	4304.5	4689.6	5048.8	5379.0	5677.9	5965.1
60°	2593.7	3020.5	3472.9	3954.3	4433.0	4848.7	5247.8	5601.9	5936.3	6275.8	6627.1
57.5°	2908.0	3395.4	3913.5	4455.2	4907.4	5343.2	5722.5	6117.1	6528.4	6919.0	7325.1
55°	3234.3	3778.7	4350.9	4864.0	5332.0	5759.1	6222.1	6681.1	7136.2	7576.3	8025.9
52.5°	3558.0	4158.3	4728.3	5246.0	5714.3	6246.9	6767.6	7263.6	7752.4	8242.5	8718.2
50°	3886.9	4506.9	5084.9	5590.2	6166.0	6755.1	7315.0	7841.8	8369.3	8914.9	9421.1
47.5°	4199.0	4841.3	5383.8	5974.6	6616.0	7244.8	7833.2	8406.6	8983.8	9579.8	10147.0
45°	4503.9	5122.0	5695.2	6366.8	7048.9	7707.0	8331.1	8955.8	9603.7	10248.4	10909.3
42.5°	4801.5	5367.3	6036.7	6753.3	7463.8	8150.8	8811.5	9512.7	10223.5	10975.9	11855.5
40°	5009.8	5623.4	6355.1	7114.1	7855.6	8565.8	9292.7	10069.6	10906.8	11885.4	13108.7
37.5°	5188.1	5876.6	6657.5	7450.4	8206.7	8959.6	9757.9	10641.4	11762.8	13145.3	14865.9
35°	5363.1	6109.3	6941.6	7769.2	8525.6	9331.3	10252.4	11441.0	12937.7	14894.7	17255.7
32.5°	5549.6	6345.3	7217.7	8039.3	8841.3	9740.4	10881.6	12409.3	14438.7	17126.5	20237.1
30°	5713.0	6559.5	7483.5	8287.5	9126.2	10129.4	11561.5	13527.5	16437.5	19858.3	22527.6
27.5°	5862.8	6762.3	7697.7	8523.0	9424.0	10642.1	12450.7	15155.5	18658.2	21993.9	24700.8
25°	6015.4	6955.1	7878.1	8734.5	9697.6	11141.8	13329.0	16856.1	20747.6	23717.4	26708.5
22.5°	6158.4	7128.9	8053.1	8927.6	10002.8	11744.0	14602.2	18571.2	22217.9	25424.7	28798.1
20°	6280.3	7292.3	8219.2	9151.9	10385.2	12402.8	15967.8	20136.2	23547.0	27039.7	30829.9
17.5°	6400.0	7420.6	8367.0	9345.6	10718.9	12974.2	17230.1	21392.2	24869.1	28691.5	32934.2
15°	6514.4	7545.7	8501.0	9517.2	11018.9	13807.7	18382.0	22399.6	26091.6	30262.3	34935.6
12.5°	6619.9	7658.0	8626.2	9695.1	11429.0	14688.1	19384.0	23286.7	27192.3	31761.7	37006.7
10°	6702.8	7759.6	8725.7	9898.7	11760.5	15397.6	20211.1	24040.6	28221.9	33089.6	38774.2
7.5°	6758.7	7838.4	8809.7	10044.5	11992.6	15884.6	20827.2	24658.3	29031.3	34112.8	40206.9
5°	6789.4	7892.6	8866.9	10143.8	12133.6	16134.8	21129.0	25068.1	29559.0	34792.8	41190.2
2.5°	6799.9	7920.4	8893.3	10191.9	12187.3	16165.1	21229.4	25233.3	29775.6	35033.8	41623.7
0°	<b>6787.1</b>	<b>7920.1</b>	<b>8888.1</b>	<b>10188.6</b>	<b>12160.4</b>	<b>16002.2</b>	<b>21135.8</b>	<b>25153.2</b>	<b>29732.2</b>	<b>34856.8</b>	<b>41404.4</b>
-2.5°	6747.7	7880.1	8837.3	10114.5	12017.6	15629.3	20767.0	24772.8	29250.7	34326.8	40745.5
-5°	6687.5	7815.4	8768.9	10008.1	11823.4	15160.5	20297.2	24238.6	28660.3	33523.6	39553.2
-7.5°	6622.1	7734.8	8689.3	9869.0	11575.7	14593.9	19594.5	23493.1	27718.1	32449.8	38066.6
-10°	6535.9	7616.3	8576.9	9686.0	11272.6	13944.9	18576.2	22598.3	26630.6	31155.7	36380.8
-12.5°	6429.8	7462.1	8451.2	9466.8	10910.9	13233.6	17359.7	21527.9	25375.5	29631.1	34414.5
-15°	6309.1	7289.1	8305.4	9271.9	10530.4	12491.4	15998.8	20317.0	24064.8	27983.9	32247.9
-17.5°	6181.7	7094.8	8124.5	9081.5	10227.5	11812.7	14519.0	18926.5	22601.5	26267.8	30200.7
-20°	6055.9	6861.0	7901.4	8850.2	9887.7	11278.6	13449.7	17215.9	20921.8	24352.7	27871.2



REPORT NUMBER: P902137 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S9

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	5911.4	6657.9	7611.5	8584.8	9500.9	10695.3	12414.3	15288.6	18921.5	22247.4	25399.7
-25°	5753.1	6439.8	7288.0	8246.8	9141.7	10147.9	11458.7	13463.2	16712.1	19975.3	22880.5
-27.5°	5577.3	6211.2	6960.5	7867.8	8779.1	9659.8	10760.9	12282.8	14593.7	17515.8	20426.5
-30°	5393.2	5991.5	6653.1	7475.4	8380.5	9166.1	10083.4	11221.6	12804.2	15170.6	17914.0
-32.5°	5189.1	5767.4	6384.0	7110.4	7940.8	8729.4	9517.9	10453.4	11613.2	13147.9	15283.0
-35°	4958.4	5513.4	6089.4	6727.7	7500.0	8267.2	8963.8	9747.4	10658.1	11770.8	13234.2
-37.5°	4654.0	5232.7	5785.1	6380.4	7056.4	7766.7	8445.2	9093.2	9831.5	10668.4	11684.3
-40°	4321.0	4937.9	5466.7	6023.2	6614.4	7266.5	7899.8	8499.6	9114.7	9760.4	10520.0
-42.5°	3992.8	4617.4	5151.7	5681.0	6224.4	6782.4	7349.5	7913.3	8461.5	9005.2	9593.0
-45°	3686.0	4255.7	4827.6	5330.6	5835.2	6340.3	6834.5	7328.2	7836.7	8326.0	8802.1
-47.5°	3374.1	3893.6	4444.4	4969.3	5442.8	5898.7	6340.3	6771.5	7200.8	7648.7	8074.1
-50°	3084.9	3546.9	4023.9	4560.1	5014.0	5433.3	5842.5	6221.3	6594.5	6975.2	7351.1
-52.5°	2788.2	3199.6	3626.2	4075.9	4535.4	4919.6	5299.2	5664.7	6022.0	6350.6	6682.8
-55°	2489.1	2860.4	3224.5	3624.6	4001.4	4371.0	4717.3	5073.5	5427.0	5769.9	6056.0
-57.5°	2186.0	2519.4	2851.5	3187.6	3507.5	3808.4	4128.4	4432.3	4781.5	5117.5	5405.6
-60°	1887.3	2181.7	2470.3	2761.2	3034.9	3299.7	3569.0	3849.9	4120.6	4410.8	4704.6
-62.5°	1589.4	1849.2	2098.0	2353.0	2601.6	2832.4	3062.3	3305.6	3546.8	3782.6	4004.9
-65°	1331.2	1519.8	1752.3	1963.6	2194.8	2398.2	2586.4	2784.2	2977.2	3178.8	3375.0
-67.5°	1091.0	1255.1	1427.5	1614.2	1800.5	1978.1	2135.2	2293.3	2461.3	2617.9	2768.6
-70°	893.5	1006.6	1147.8	1290.7	1418.2	1580.9	1719.8	1847.4	1991.5	2125.9	2252.2
-72.5°	707.2	814.1	909.2	1002.3	1113.3	1226.2	1340.5	1450.1	1558.4	1665.7	1768.1
-75°	573.5	642.8	703.8	781.0	854.2	920.3	990.8	1081.8	1165.3	1244.4	1318.7
-77.5°	442.2	495.1	546.9	595.2	640.8	680.8	735.2	786.3	838.4	891.9	941.6
-80°	325.4	365.8	401.5	436.3	470.5	501.5	529.0	551.1	576.1	610.5	653.6
-82.5°	217.6	244.7	268.2	293.8	314.9	331.6	345.2	350.9	349.6	340.9	332.0
-85°	120.7	141.4	157.0	166.6	170.9	173.7	176.1	175.6	167.4	148.7	126.0
-87.5°	54.8	62.6	67.3	65.7	58.1	49.3	42.3	41.1	41.8	46.2	50.8
-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: P902137 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S9

**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°	27.1	31.5	35.6	39.1	42.2	44.9	47.2	49.0	50.6	52.0	53.2
85°	183.1	203.3	220.4	237.2	251.3	265.3	276.5	286.0	295.5	303.1	309.0
82.5°	560.5	609.0	654.9	699.5	739.9	780.2	813.7	844.7	874.2	894.6	911.5
80°	1148.1	1227.5	1305.0	1377.2	1440.3	1501.0	1554.3	1603.1	1650.4	1685.5	1710.9
77.5°	1847.6	1964.5	2070.2	2165.3	2248.8	2319.3	2382.4	2439.3	2494.7	2548.7	2596.1
75°	2648.7	2800.9	2951.9	3097.0	3224.0	3325.3	3409.2	3482.5	3548.3	3606.2	3654.0
72.5°	3499.9	3682.5	3864.6	4042.1	4198.3	4321.2	4419.1	4501.9	4568.7	4624.7	4674.7
70°	4262.4	4461.2	4657.5	4853.3	5033.8	5165.1	5266.9	5342.5	5404.0	5464.5	5529.3
67.5°	4941.0	5164.3	5372.7	5565.8	5741.2	5902.7	6046.1	6161.5	6261.2	6350.4	6424.8
65°	5606.3	5853.5	6093.6	6333.8	6551.7	6736.1	6886.9	7005.0	7109.1	7204.4	7287.2
62.5°	6256.8	6550.2	6826.2	7088.2	7324.2	7521.5	7679.5	7808.6	7924.2	8030.0	8117.4
60°	6964.5	7291.0	7591.2	7865.7	8103.8	8300.4	8467.9	8613.4	8740.9	8854.0	8943.6
57.5°	7703.4	8063.2	8387.1	8660.1	8902.5	9116.6	9296.6	9453.9	9597.5	9726.9	9817.6
55°	8448.2	8813.0	9131.1	9434.7	9707.8	9935.0	10153.5	10346.3	10519.6	10680.1	10804.1
52.5°	9151.9	9560.6	9920.1	10273.9	10568.2	10854.7	11174.4	11443.9	11672.9	11934.0	12105.8
50°	9913.1	10392.8	10831.3	11274.7	11676.3	12137.0	12603.6	12968.8	13445.4	13881.8	14149.5
47.5°	10719.9	11337.5	11914.4	12520.6	13126.8	13937.2	14750.5	15545.2	16459.8	17149.7	17643.4
45°	11675.3	12479.9	13252.8	14216.5	15225.5	16593.5	17932.5	19312.8	20540.4	21482.2	22281.8
42.5°	12878.3	13972.0	15192.8	16780.6	18379.4	20185.4	22000.6	23491.8	24589.4	25381.7	25977.7
40°	14541.8	16122.2	18165.5	20041.1	21970.3	23819.8	25563.5	27064.0	28104.4	28865.1	29557.5
37.5°	16880.7	19212.5	21180.7	23189.1	25172.4	27154.2	28942.0	30662.4	31755.3	32865.0	33791.2
35°	19872.4	21927.4	24054.1	26299.1	28533.8	30661.2	32728.8	34821.1	36311.9	37755.5	38922.7
32.5°	22387.5	24690.7	27125.4	29621.2	32114.5	34693.4	37369.7	39814.0	41754.8	43658.0	45296.3
30°	24983.2	27570.9	30298.6	33119.2	36174.3	39375.5	42749.9	45834.7	48255.7	50520.5	52659.5
27.5°	27489.5	30436.8	33475.4	36938.8	40711.7	44819.8	49028.7	52501.9	55570.2	58353.1	60999.3
25°	29902.1	33247.8	36978.4	41211.1	46012.9	50888.8	56001.8	60195.4	63754.7	67222.0	70502.6
22.5°	32424.0	36403.5	40914.9	46106.9	51766.8	57775.5	63758.8	68807.7	73171.7	77413.5	81393.3
20°	34992.6	39691.4	45124.6	51410.8	58094.1	65145.7	72129.0	78392.2	83971.5	89164.4	94018.8
17.5°	37704.3	43137.6	49664.9	56876.0	64817.7	72868.5	81188.8	88560.4	95946.9	102604.4	108314.4
15°	40358.1	46735.4	54231.4	62549.0	71456.0	80804.0	90507.1	99576.1	108622.0	117000.3	124228.4
12.5°	43064.1	50258.6	58591.7	67796.5	77550.9	88357.7	99557.3	110572.6	121414.1	131862.1	140611.3
10°	45314.7	53373.3	62613.7	72618.2	83153.6	95085.7	108121.5	120568.6	133896.7	146054.7	157272.4
7.5°	47313.3	55997.3	65981.3	76475.0	87651.9	100547.1	115205.9	129846.1	144641.1	158950.8	171702.5
5°	48756.4	57817.7	68163.6	79111.9	90735.7	104355.7	119750.6	135612.0	152323.8	168228.6	182377.3
2.5°	49362.7	58553.4	69115.3	80077.2	91725.1	105743.9	121571.8	137916.0	155035.3	172236.7	187754.6
0°	49259.9	58341.3	68577.7	79326.5	90807.2	104596.4	120401.5	136786.4	153774.8	171064.8	186707.5
-2.5°	48303.1	57085.6	66888.7	77060.8	88054.1	101090.7	115913.0	131206.4	147393.5	164257.5	179759.6
-5°	46744.7	54941.7	64140.6	73712.6	83963.8	95751.6	109167.7	123232.1	138055.6	153415.2	167793.4
-7.5°	44657.9	52273.6	60763.3	69657.6	78979.6	89320.1	101325.8	113720.5	126719.2	140531.6	153694.3
-10°	42432.4	49315.9	56956.7	65117.1	73585.6	82785.6	93113.2	103260.8	114811.0	126725.0	138675.5
-12.5°	39972.4	46154.3	52895.7	60295.9	67967.5	76183.5	85020.5	93902.8	103330.6	113686.3	123368.3
-15°	37334.6	42870.1	48885.9	55452.6	62445.8	69717.8	77453.5	85016.9	92825.9	100841.8	108780.6
-17.5°	34658.5	39526.7	44847.2	50565.3	56772.4	63157.5	70240.2	76750.9	83079.7	89541.1	95523.8
-20°	31692.0	36099.5	40812.8	45859.9	51107.3	56792.9	62966.4	68814.1	74120.6	79395.6	84337.3



REPORT NUMBER: P902137 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S9

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	28687.4	32441.0	36589.7	41083.8	45684.3	50492.2	55835.4	60952.1	65559.3	69990.0	74146.3
-25°	25660.8	28722.4	32334.0	36302.2	40455.6	44619.6	49012.6	53493.4	57262.4	60915.7	64611.4
-27.5°	23010.6	25571.8	28466.9	31795.2	35442.3	39174.2	42961.0	46661.1	49798.3	52669.1	55638.2
-30°	20491.5	22858.2	25277.0	27929.1	30978.8	34223.9	37488.1	40691.6	43265.7	45409.9	47666.1
-32.5°	17937.6	20276.6	22484.3	24677.6	27048.2	29823.9	32618.5	35350.5	37511.5	39186.2	40855.3
-35°	15178.4	17576.6	19743.1	21806.4	23724.9	25949.8	28205.5	30549.4	32398.2	33715.4	34950.5
-37.5°	12996.9	14646.3	16741.6	18720.7	20700.5	22528.5	24400.6	26259.3	27766.7	28908.3	29857.1
-40°	11399.0	12423.6	13847.0	15475.1	17176.0	19022.9	20943.2	22560.6	23975.4	24878.2	25617.3
-42.5°	10233.9	10918.1	11687.2	12746.4	13845.3	15328.1	16862.4	18532.0	20116.7	21428.0	22200.4
-45°	9310.0	9823.3	10308.6	10897.9	11439.9	12298.0	13146.7	14133.5	15384.8	16497.2	17289.1
-47.5°	8487.6	8904.1	9288.1	9671.4	10017.6	10418.6	10787.0	11157.0	11707.1	12096.7	12332.1
-50°	7714.3	8066.1	8391.4	8703.4	8975.6	9248.0	9511.2	9733.0	9990.2	10226.6	10400.1
-52.5°	6992.3	7310.1	7599.5	7888.7	8133.1	8352.4	8575.6	8769.2	8943.1	9115.5	9245.6
-55°	6349.9	6633.2	6913.7	7181.2	7426.1	7630.8	7812.3	7973.5	8121.8	8258.6	8368.8
-57.5°	5694.8	5965.0	6235.4	6483.6	6726.8	6962.3	7144.7	7283.7	7405.8	7523.6	7618.3
-60°	4988.3	5253.0	5490.7	5706.5	5934.0	6170.1	6398.0	6544.8	6654.6	6762.4	6864.2
-62.5°	4249.7	4512.1	4733.5	4916.3	5094.2	5269.7	5432.6	5565.3	5670.4	5764.6	5855.4
-65°	3555.7	3767.2	3980.4	4159.1	4299.1	4436.9	4565.6	4663.8	4732.5	4796.3	4850.5
-67.5°	2931.1	3090.2	3244.9	3402.6	3552.6	3683.1	3797.6	3896.8	3986.6	4069.9	4130.5
-70°	2382.4	2509.6	2617.1	2711.9	2806.3	2916.8	3013.8	3093.0	3160.1	3217.3	3270.1
-72.5°	1872.4	1977.3	2068.0	2144.7	2211.7	2278.2	2351.3	2417.1	2474.2	2519.6	2551.3
-75°	1394.6	1476.2	1559.1	1638.0	1707.9	1773.9	1843.9	1910.7	1966.5	2018.2	2057.5
-77.5°	996.6	1059.5	1128.8	1199.6	1272.2	1345.6	1414.6	1471.9	1505.1	1529.8	1550.5
-80°	686.7	720.5	747.5	775.0	816.6	859.1	885.2	876.6	868.1	860.1	855.1
-82.5°	336.7	353.6	364.9	370.6	377.8	379.4	375.6	370.0	365.4	358.4	352.1
-85°	116.4	115.3	119.0	125.5	131.2	138.4	143.6	147.8	150.7	152.9	154.3
-87.5°	54.5	56.7	58.1	59.4	60.4	63.4	64.8	67.5	68.6	71.1	72.0
-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: P902137 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S9

**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°	53.9	54.3	54.4	52.9	54.4	54.3	53.9	53.2	52.0	50.6	49.0
85°	313.5	316.2	315.3	314.3	315.3	316.2	313.5	309.0	303.1	295.5	286.0
82.5°	925.4	935.4	936.2	936.9	936.2	935.4	925.4	911.5	894.6	874.2	844.7
80°	1726.5	1738.6	1740.8	1745.7	1740.8	1738.6	1726.5	1710.9	1685.5	1650.4	1603.1
77.5°	2628.7	2650.6	2664.9	2670.2	2664.9	2650.6	2628.7	2596.1	2548.7	2494.7	2439.3
75°	3691.3	3713.3	3726.0	3732.0	3726.0	3713.3	3691.3	3654.0	3606.2	3548.3	3482.5
72.5°	4710.8	4730.3	4740.7	4747.6	4740.7	4730.3	4710.8	4674.7	4624.7	4568.7	4501.9
70°	5575.2	5603.9	5626.7	5639.3	5626.7	5603.9	5575.2	5529.3	5464.5	5404.0	5342.5
67.5°	6480.8	6516.3	6538.1	6557.4	6538.1	6516.3	6480.8	6424.8	6350.4	6261.2	6161.5
65°	7355.9	7401.6	7430.2	7452.5	7430.2	7401.6	7355.9	7287.2	7204.4	7109.1	7005.0
62.5°	8183.6	8224.6	8251.3	8265.6	8251.3	8224.6	8183.6	8117.4	8030.0	7924.2	7808.6
60°	9014.5	9062.1	9097.0	9112.4	9097.0	9062.1	9014.5	8943.6	8854.0	8740.9	8613.4
57.5°	9899.1	9949.5	9982.0	10006.1	9982.0	9949.5	9899.1	9817.6	9726.9	9597.5	9453.9
55°	10908.9	10978.0	11021.1	11047.2	11021.1	10978.0	10908.9	10804.1	10680.1	10519.6	10346.3
52.5°	12243.8	12336.9	12391.3	12421.7	12391.3	12336.9	12243.8	12105.8	11934.0	11672.9	11443.9
50°	14319.7	14429.3	14491.5	14524.1	14491.5	14429.3	14319.7	14149.5	13881.8	13445.4	12968.8
47.5°	18059.9	18440.5	18696.8	18792.8	18696.8	18440.5	18059.9	17643.4	17149.7	16459.8	15545.2
45°	22842.1	23238.0	23475.6	23577.5	23475.6	23238.0	22842.1	22281.8	21482.2	20540.4	19312.8
42.5°	26453.6	26768.0	26949.9	27018.1	26949.9	26768.0	26453.6	25977.7	25381.7	24589.4	23491.8
40°	30108.4	30507.1	30706.2	30810.3	30706.2	30507.1	30108.4	29557.5	28865.1	28104.4	27064.0
37.5°	34474.9	35093.1	35470.2	35527.1	35470.2	35093.1	34474.9	33791.2	32865.0	31755.3	30662.4
35°	39936.9	40783.3	41291.9	41400.8	41291.9	40783.3	39936.9	38922.7	37755.5	36311.9	34821.1
32.5°	46674.4	47675.6	48301.8	48557.7	48301.8	47675.6	46674.4	45296.3	43658.0	41754.8	39814.0
30°	54412.0	55730.3	56537.6	57064.4	56537.6	55730.3	54412.0	52659.5	50520.5	48255.7	45834.7
27.5°	63121.7	64778.8	66003.6	66574.5	66003.6	64778.8	63121.7	60999.3	58353.1	55570.2	52501.9
25°	73147.8	75500.0	77075.8	77485.4	77075.8	75500.0	73147.8	70502.6	67222.0	63754.7	60195.4
22.5°	84854.4	87801.3	89829.4	90166.9	89829.4	87801.3	84854.4	81393.3	77413.5	73171.7	68807.7
20°	98468.2	101895.3	104310.1	105058.2	104310.1	101895.3	98468.2	94018.8	89164.4	83971.5	78392.2
17.5°	113579.7	117826.9	120843.5	122144.4	120843.5	117826.9	113579.7	108314.4	102604.4	95946.9	88560.4
15°	130372.0	135357.0	139302.0	140816.1	139302.0	135357.0	130372.0	124228.4	117000.3	108622.0	99576.1
12.5°	148341.8	154619.5	159280.1	160923.9	159280.1	154619.5	148341.8	140611.3	131862.1	121414.1	110572.6
10°	166552.8	174004.7	178994.3	180922.6	178994.3	174004.7	166552.8	157272.4	146054.7	133896.7	120568.6
7.5°	182331.6	190832.7	196734.6	198229.1	196734.6	190832.7	182331.6	171702.5	158950.8	144641.1	129846.1
5°	194245.4	203289.2	209306.7	210707.2	209306.7	203289.2	194245.4	182377.3	168228.6	152323.8	135612.0
2.5°	200533.0	209873.9	215828.7	217545.6	215828.7	209873.9	200533.0	187754.6	172236.7	155035.3	137916.0
0°	199673.4	209432.0	215808.9	218447.9	215808.9	209432.0	199673.4	186707.5	171064.8	153774.8	136786.4
-2.5°	192634.6	202398.5	209067.1	211694.2	209067.1	202398.5	192634.6	179759.6	164257.5	147393.5	131206.4
-5°	180327.6	190528.4	197127.0	199830.9	197127.0	190528.4	180327.6	167793.4	153415.2	138055.6	123232.1
-7.5°	165467.7	175342.0	181708.7	183693.1	181708.7	175342.0	165467.7	153694.3	140531.6	126719.2	113720.5
-10°	149381.9	157460.5	162951.0	164780.2	162951.0	157460.5	149381.9	138675.5	126725.0	114811.0	103260.8
-12.5°	132160.4	139403.4	144146.7	145422.3	144146.7	139403.4	132160.4	123368.3	113686.3	103330.6	93902.8
-15°	116073.4	121879.3	126034.6	127249.4	126034.6	121879.3	116073.4	108780.6	100841.8	92825.9	85016.9
-17.5°	101459.4	106295.8	109545.6	110852.6	109545.6	106295.8	101459.4	95523.8	89541.1	83079.7	76750.9
-20°	88983.2	92800.6	95136.2	96011.4	95136.2	92800.6	88983.2	84337.3	79395.6	74120.6	68814.1



REPORT NUMBER: P902137 (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°	78094.4	81213.2	83195.1	83814.5	83195.1	81213.2	78094.4	74146.3	69990.0	65559.3	60952.1
-25°	67856.0	70405.5	72070.1	72692.5	72070.1	70405.5	67856.0	64611.4	60915.7	57262.4	53493.4
-27.5°	58108.4	60083.8	61483.8	62126.1	61483.8	60083.8	58108.4	55638.2	52669.1	49798.3	46661.1
-30°	49636.3	51152.0	52063.9	52557.3	52063.9	51152.0	49636.3	47666.1	45409.9	43265.7	40691.6
-32.5°	42360.9	43455.0	44092.5	44505.3	44092.5	43455.0	42360.9	40855.3	39186.2	37511.5	35350.5
-35°	36069.7	36955.9	37475.6	37733.8	37475.6	36955.9	36069.7	34950.5	33715.4	32398.2	30549.4
-37.5°	30641.0	31296.7	31693.8	31862.0	31693.8	31296.7	30641.0	29857.1	28908.3	27766.7	26259.3
-40°	26213.9	26666.4	26935.4	27049.6	26935.4	26666.4	26213.9	25617.3	24878.2	23975.4	22560.6
-42.5°	22774.3	23196.4	23438.7	23606.9	23438.7	23196.4	22774.3	22200.4	21428.0	20116.7	18532.0
-45°	17955.4	18490.5	18818.2	18944.2	18818.2	18490.5	17955.4	17289.1	16497.2	15384.8	14133.5
-47.5°	12547.8	12967.2	13192.0	13303.8	13192.0	12967.2	12547.8	12332.1	12096.7	11707.1	11157.0
-50°	10517.0	10584.4	10621.2	10659.6	10621.2	10584.4	10517.0	10400.1	10226.6	9990.2	9733.0
-52.5°	9334.0	9384.7	9415.5	9452.5	9415.5	9384.7	9334.0	9245.6	9115.5	8943.1	8769.2
-55°	8449.0	8495.2	8523.5	8559.9	8523.5	8495.2	8449.0	8368.8	8258.6	8121.8	7973.5
-57.5°	7687.9	7733.8	7764.0	7796.7	7764.0	7733.8	7687.9	7618.3	7523.6	7405.8	7283.7
-60°	6940.0	6994.7	7022.4	7039.1	7022.4	6994.7	6940.0	6864.2	6762.4	6654.6	6544.8
-62.5°	5919.2	5958.8	5979.4	5998.1	5979.4	5958.8	5919.2	5855.4	5764.6	5670.4	5565.3
-65°	4884.8	4901.6	4911.2	4927.7	4911.2	4901.6	4884.8	4850.5	4796.3	4732.5	4663.8
-67.5°	4175.1	4205.1	4215.7	4230.9	4215.7	4205.1	4175.1	4130.5	4069.9	3986.6	3896.8
-70°	3313.4	3342.9	3360.8	3374.8	3360.8	3342.9	3313.4	3270.1	3217.3	3160.1	3093.0
-72.5°	2571.0	2585.1	2588.4	2598.4	2588.4	2585.1	2571.0	2551.3	2519.6	2474.2	2417.1
-75°	2092.5	2122.9	2135.5	2143.5	2135.5	2122.9	2092.5	2057.5	2018.2	1966.5	1910.7
-77.5°	1584.2	1601.0	1605.6	1608.7	1605.6	1601.0	1584.2	1550.5	1529.8	1505.1	1471.9
-80°	857.4	868.1	869.7	870.1	869.7	868.1	857.4	855.1	860.1	868.1	876.6
-82.5°	346.1	342.1	340.7	338.0	340.7	342.1	346.1	352.1	358.4	365.4	370.0
-85°	155.0	154.0	154.3	152.8	154.3	154.0	155.0	154.3	152.9	150.7	147.8
-87.5°	72.7	73.0	73.2	73.1	73.2	73.0	72.7	72.0	71.1	68.6	67.5
-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°	47.2	44.9	42.2	39.1	35.6	31.5	27.1	24.8	23.5	23.8	22.4
85°	276.5	265.3	251.3	237.2	220.4	203.3	183.1	168.0	162.5	155.8	148.0
82.5°	813.7	780.2	739.9	699.5	654.9	609.0	560.5	518.6	489.8	455.8	419.1
80°	1554.3	1501.0	1440.3	1377.2	1305.0	1227.5	1148.1	1072.7	1002.2	923.4	838.2
77.5°	2382.4	2319.3	2248.8	2165.3	2070.2	1964.5	1847.6	1723.6	1608.9	1490.0	1363.1
75°	3409.2	3325.3	3224.0	3097.0	2951.9	2800.9	2648.7	2496.1	2333.5	2150.5	1963.2
72.5°	4419.1	4321.2	4198.3	4042.1	3864.6	3682.5	3499.9	3294.8	3069.0	2840.2	2617.0
70°	5266.9	5165.1	5033.8	4853.3	4657.5	4461.2	4262.4	4030.7	3768.1	3495.5	3227.4
67.5°	6046.1	5902.7	5741.2	5565.8	5372.7	5164.3	4941.0	4706.1	4439.2	4140.0	3838.9
65°	6886.9	6736.1	6551.7	6333.8	6093.6	5853.5	5606.3	5349.0	5078.3	4778.0	4453.8
62.5°	7679.5	7521.5	7324.2	7088.2	6826.2	6550.2	6256.8	5965.1	5677.9	5379.0	5048.8
60°	8467.9	8300.4	8103.8	7865.7	7591.2	7291.0	6964.5	6627.1	6275.8	5936.3	5601.9
57.5°	9296.6	9116.6	8902.5	8660.1	8387.1	8063.2	7703.4	7325.1	6919.0	6528.4	6117.1
55°	10153.5	9935.0	9707.8	9434.7	9131.1	8813.0	8448.2	8025.9	7576.3	7136.2	6681.1
52.5°	11174.4	10854.7	10568.2	10273.9	9920.1	9560.6	9151.9	8718.2	8242.5	7752.4	7263.6
50°	12603.6	12137.0	11676.3	11274.7	10831.3	10392.8	9913.1	9421.1	8914.9	8369.3	7841.8
47.5°	14750.5	13937.2	13126.8	12520.6	11914.4	11337.5	10719.9	10147.0	9579.8	8983.8	8406.6
45°	17932.5	16593.5	15225.5	14216.5	13252.8	12479.9	11675.3	10909.3	10248.4	9603.7	8955.8
42.5°	22000.6	20185.4	18379.4	16780.6	15192.8	13972.0	12878.3	11855.5	10975.9	10223.5	9512.7
40°	25563.5	23819.8	21970.3	20041.1	18165.5	16122.2	14541.8	13108.7	11885.4	10906.8	10069.6
37.5°	28942.0	27154.2	25172.4	23189.1	21180.7	19212.5	16880.7	14865.9	13145.3	11762.8	10641.4
35°	32728.8	30661.2	28533.8	26299.1	24054.1	21927.4	19872.4	17255.7	14894.7	12937.7	11441.0
32.5°	37369.7	34693.4	32114.5	29621.2	27125.4	24690.7	22387.5	20237.1	17126.5	14438.7	12409.3
30°	42749.9	39375.5	36174.3	33119.2	30298.6	27570.9	24983.2	22527.6	19858.3	16437.5	13527.5
27.5°	49028.7	44819.8	40711.7	36938.8	33475.4	30436.8	27489.5	24700.8	21993.9	18658.2	15155.5
25°	56001.8	50888.8	46012.9	41211.1	36978.4	33247.8	29902.1	26708.5	23717.4	20747.6	16856.1
22.5°	63758.8	57775.5	51766.8	46106.9	40914.9	36403.5	32424.0	28798.1	25424.7	22217.9	18571.2
20°	72129.0	65145.7	58094.1	51410.8	45124.6	39691.4	34992.6	30829.9	27039.7	23547.0	20136.2
17.5°	81188.8	72868.5	64817.7	56876.0	49664.9	43137.6	37704.3	32934.2	28691.5	24869.1	21392.2
15°	90507.1	80804.0	71456.0	62549.0	54231.4	46735.4	40358.1	34935.6	30262.3	26091.6	22399.6
12.5°	99557.3	88357.7	77550.9	67796.5	58591.7	50258.6	43064.1	37006.7	31761.7	27192.3	23286.7
10°	108121.5	95085.7	83153.6	72618.2	62613.7	53373.3	45314.7	38774.2	33089.6	28221.9	24040.6
7.5°	115205.9	100547.1	87651.9	76475.0	65981.3	55997.3	47313.3	40206.9	34112.8	29031.3	24658.3
5°	119750.6	104355.7	90735.7	79111.9	68163.6	57817.7	48756.4	41190.2	34792.8	29559.0	25068.1
2.5°	121571.8	105743.9	91725.1	80077.2	69115.3	58553.4	49362.7	41623.7	35033.8	29775.6	25233.3
0°	120401.5	104596.4	90807.2	79326.5	68577.7	58341.3	49259.9	41404.4	34856.8	29732.2	25153.2
-2.5°	115913.0	101090.7	88054.1	77060.8	66888.7	57085.6	48303.1	40745.5	34326.8	29250.7	24772.8
-5°	109167.7	95751.6	83963.8	73712.6	64140.6	54941.7	46744.7	39553.2	33523.6	28660.3	24238.6
-7.5°	101325.8	89320.1	78979.6	69657.6	60763.3	52273.6	44657.9	38066.6	32449.8	27718.1	23493.1
-10°	93113.2	82785.6	73585.6	65117.1	56956.7	49315.9	42432.4	36380.8	31155.7	26630.6	22598.3
-12.5°	85020.5	76183.5	67967.5	60295.9	52895.7	46154.3	39972.4	34414.5	29631.1	25375.5	21527.9
-15°	77453.5	69717.8	62445.8	55452.6	48885.9	42870.1	37334.6	32247.9	27983.9	24064.8	20317.0
-17.5°	70240.2	63157.5	56772.4	50565.3	44847.2	39526.7	34658.5	30200.7	26267.8	22601.5	18926.5
-20°	62966.4	56792.9	51107.3	45859.9	40812.8	36099.5	31692.0	27871.2	24352.7	20921.8	17215.9



REPORT NUMBER: P902137 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S9

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	55835.4	50492.2	45684.3	41083.8	36589.7	32441.0	28687.4	25399.7	22247.4	18921.5	15288.6
-25°	49012.6	44619.6	40455.6	36302.2	32334.0	28722.4	25660.8	22880.5	19975.3	16712.1	13463.2
-27.5°	42961.0	39174.2	35442.3	31795.2	28466.9	25571.8	23010.6	20426.5	17515.8	14593.7	12282.8
-30°	37488.1	34223.9	30978.8	27929.1	25277.0	22858.2	20491.5	17914.0	15170.6	12804.2	11221.6
-32.5°	32618.5	29823.9	27048.2	24677.6	22484.3	20276.6	17937.6	15283.0	13147.9	11613.2	10453.4
-35°	28205.5	25949.8	23724.9	21806.4	19743.1	17576.6	15178.4	13234.2	11770.8	10658.1	9747.4
-37.5°	24400.6	22528.5	20700.5	18720.7	16741.6	14646.3	12996.9	11684.3	10668.4	9831.5	9093.2
-40°	20943.2	19022.9	17176.0	15475.1	13847.0	12423.6	11399.0	10520.0	9760.4	9114.7	8499.6
-42.5°	16862.4	15328.1	13845.3	12746.4	11687.2	10918.1	10233.9	9593.0	9005.2	8461.5	7913.3
-45°	13146.7	12298.0	11439.9	10897.9	10308.6	9823.3	9310.0	8802.1	8326.0	7836.7	7328.2
-47.5°	10787.0	10418.6	10017.6	9671.4	9288.1	8904.1	8487.6	8074.1	7648.7	7200.8	6771.5
-50°	9511.2	9248.0	8975.6	8703.4	8391.4	8066.1	7714.3	7351.1	6975.2	6594.5	6221.3
-52.5°	8575.6	8352.4	8133.1	7888.7	7599.5	7310.1	6992.3	6682.8	6350.6	6022.0	5664.7
-55°	7812.3	7630.8	7426.1	7181.2	6913.7	6633.2	6349.9	6056.0	5769.9	5427.0	5073.5
-57.5°	7144.7	6962.3	6726.8	6483.6	6235.4	5965.0	5694.8	5405.6	5117.5	4781.5	4432.3
-60°	6398.0	6170.1	5934.0	5706.5	5490.7	5253.0	4988.3	4704.6	4410.8	4120.6	3849.9
-62.5°	5432.6	5269.7	5094.2	4916.3	4733.5	4512.1	4249.7	4004.9	3782.6	3546.8	3305.6
-65°	4565.6	4436.9	4299.1	4159.1	3980.4	3767.2	3555.7	3375.0	3178.8	2977.2	2784.2
-67.5°	3797.6	3683.1	3552.6	3402.6	3244.9	3090.2	2931.1	2768.6	2617.9	2461.3	2293.3
-70°	3013.8	2916.8	2806.3	2711.9	2617.1	2509.6	2382.4	2252.2	2125.9	1991.5	1847.4
-72.5°	2351.3	2278.2	2211.7	2144.7	2068.0	1977.3	1872.4	1768.1	1665.7	1558.4	1450.1
-75°	1843.9	1773.9	1707.9	1638.0	1559.1	1476.2	1394.6	1318.7	1244.4	1165.3	1081.8
-77.5°	1414.6	1345.6	1272.2	1199.6	1128.8	1059.5	996.6	941.6	891.9	838.4	786.3
-80°	885.2	859.1	816.6	775.0	747.5	720.5	686.7	653.6	610.5	576.1	551.1
-82.5°	375.6	379.4	377.8	370.6	364.9	353.6	336.7	332.0	340.9	349.6	350.9
-85°	143.6	138.4	131.2	125.5	119.0	115.3	116.4	126.0	148.7	167.4	175.6
-87.5°	64.8	63.4	60.4	59.4	58.1	56.7	54.5	50.8	46.2	41.8	41.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P902137 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S9

**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°	22.4	22.1	21.8	21.3	20.8	20.1	18.2	16.5	14.0	12.5	10.2
85°	140.3	131.9	121.1	109.7	95.5	80.7	62.7	42.7	28.0	25.0	20.4
82.5°	382.9	346.4	307.0	267.4	223.7	202.2	179.7	151.4	121.1	88.9	54.6
80°	754.7	671.2	585.6	522.6	462.5	401.7	340.8	274.6	221.9	179.6	135.6
77.5°	1234.8	1102.0	988.6	870.0	752.8	635.8	540.7	455.6	371.0	285.3	215.0
75°	1783.4	1621.4	1449.2	1265.7	1089.7	940.0	795.2	651.5	530.9	426.9	319.3
72.5°	2393.8	2166.1	1935.6	1699.7	1478.5	1265.4	1062.8	888.4	721.4	566.4	437.1
70°	2961.2	2695.8	2426.2	2146.5	1871.8	1606.1	1361.5	1128.2	925.2	737.7	552.6
67.5°	3524.6	3203.6	2888.6	2578.9	2271.3	1962.8	1657.0	1378.6	1131.7	908.9	694.0
65°	4100.2	3738.1	3376.6	2997.6	2654.9	2314.0	1972.4	1633.0	1338.9	1078.4	837.6
62.5°	4689.6	4304.5	3888.8	3468.0	3047.8	2661.2	2283.0	1911.2	1547.8	1247.3	978.8
60°	5247.8	4848.7	4433.0	3954.3	3472.9	3020.5	2593.7	2183.9	1788.5	1409.5	1116.5
57.5°	5722.5	5343.2	4907.4	4455.2	3913.5	3395.4	2908.0	2455.9	2023.0	1607.5	1248.4
55°	6222.1	5759.1	5332.0	4864.0	4350.9	3778.7	3234.3	2720.3	2256.4	1809.4	1374.7
52.5°	6767.6	6246.9	5714.3	5246.0	4728.3	4158.3	3558.0	3002.1	2480.2	2003.9	1538.9
50°	7315.0	6755.1	6166.0	5590.2	5084.9	4506.9	3886.9	3270.1	2700.5	2192.7	1701.7
47.5°	7833.2	7244.8	6616.0	5974.6	5383.8	4841.3	4199.0	3543.4	2928.7	2373.4	1857.6
45°	8331.1	7707.0	7048.9	6366.8	5695.2	5122.0	4503.9	3812.3	3144.3	2543.8	2005.8
42.5°	8811.5	8150.8	7463.8	6753.3	6036.7	5367.3	4801.5	4071.4	3359.8	2719.7	2143.0
40°	9292.7	8565.8	7855.6	7114.1	6355.1	5623.4	5009.8	4324.0	3569.0	2883.0	2270.6
37.5°	9757.9	8959.6	8206.7	7450.4	6657.5	5876.6	5188.1	4564.9	3758.6	3033.2	2388.8
35°	10252.4	9331.3	8525.6	7769.2	6941.6	6109.3	5363.1	4761.0	3945.2	3177.7	2503.4
32.5°	10881.6	9740.4	8841.3	8039.3	7217.7	6345.3	5549.6	4894.9	4135.6	3317.1	2611.5
30°	11561.5	10129.4	9126.2	8287.5	7483.5	6559.5	5713.0	5017.3	4311.2	3442.5	2709.3
27.5°	12450.7	10642.1	9424.0	8523.0	7697.7	6762.3	5862.8	5128.4	4472.2	3555.8	2796.9
25°	13329.0	11141.8	9697.6	8734.5	7878.1	6955.1	6015.4	5244.7	4579.1	3661.8	2874.4
22.5°	14602.2	11744.0	10002.8	8927.6	8053.1	7128.9	6158.4	5345.0	4661.6	3779.2	2952.0
20°	15967.8	12402.8	10385.2	9151.9	8219.2	7292.3	6280.3	5438.8	4735.2	3885.7	3025.5
17.5°	17230.1	12974.2	10718.9	9345.6	8367.0	7420.6	6400.0	5518.5	4804.3	3981.5	3087.4
15°	18382.0	13807.7	11018.9	9517.2	8501.0	7545.7	6514.4	5599.3	4871.4	4062.6	3140.4
12.5°	19384.0	14688.1	11429.0	9695.1	8626.2	7658.0	6619.9	5684.6	4929.2	4129.4	3185.0
10°	20211.1	15397.6	11760.5	9898.7	8725.7	7759.6	6702.8	5751.5	4982.5	4180.4	3217.8
7.5°	20827.2	15884.6	11992.6	10044.5	8809.7	7838.4	6758.7	5800.5	5022.9	4214.8	3240.4
5°	21129.0	16134.8	12133.6	10143.8	8866.9	7892.6	6789.4	5830.5	5051.6	4237.8	3257.6
2.5°	21229.4	16165.1	12187.3	10191.9	8893.3	7920.4	6799.9	5843.9	5069.2	4246.0	3263.5
0°	<b>21135.8</b>	<b>16002.2</b>	<b>12160.4</b>	<b>10188.6</b>	<b>8888.1</b>	<b>7920.1</b>	<b>6787.1</b>	<b>5839.4</b>	<b>5073.4</b>	<b>4237.6</b>	<b>3258.4</b>
-2.5°	20767.0	15629.3	12017.6	10114.5	8837.3	7880.1	6747.7	5817.7	5061.6	4214.9	3247.0
-5°	20297.2	15160.5	11823.4	10008.1	8768.9	7815.4	6687.5	5779.6	5037.1	4176.3	3225.2
-7.5°	19594.5	14593.9	11575.7	9869.0	8689.3	7734.8	6622.1	5738.0	5009.0	4125.1	3193.4
-10°	18576.2	13944.9	11272.6	9686.0	8576.9	7616.3	6535.9	5683.7	4975.4	4067.3	3158.1
-12.5°	17359.7	13233.6	10910.9	9466.8	8451.2	7462.1	6429.8	5618.3	4924.5	3994.5	3114.7
-15°	15998.8	12491.4	10530.4	9271.9	8305.4	7289.1	6309.1	5541.8	4844.3	3910.5	3062.1
-17.5°	14519.0	11812.7	10227.5	9081.5	8124.5	7094.8	6181.7	5461.5	4745.3	3816.7	3003.0
-20°	13449.7	11278.6	9887.7	8850.2	7901.4	6861.0	6055.9	5372.0	4623.0	3709.1	2936.7



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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°	12414.3	10695.3	9500.9	8584.8	7611.5	6657.9	5911.4	5267.0	4476.9	3583.7	2861.1
-25°	11458.7	10147.9	9141.7	8246.8	7288.0	6439.8	5753.1	5132.1	4309.5	3442.1	2774.7
-27.5°	10760.9	9659.8	8779.1	7867.8	6960.5	6211.2	5577.3	4982.3	4125.7	3318.3	2669.1
-30°	10083.4	9166.1	8380.5	7475.4	6653.1	5991.5	5393.2	4753.3	3933.9	3186.4	2554.1
-32.5°	9517.9	8729.4	7940.8	7110.4	6384.0	5767.4	5189.1	4502.7	3727.9	3040.3	2429.8
-35°	8963.8	8267.2	7500.0	6727.7	6089.4	5513.4	4958.4	4233.7	3498.6	2882.3	2295.4
-37.5°	8445.2	7766.7	7056.4	6380.4	5785.1	5232.7	4654.0	3949.8	3281.9	2715.0	2151.5
-40°	7899.8	7266.5	6614.4	6023.2	5466.7	4937.9	4321.0	3669.6	3076.8	2539.6	2001.9
-42.5°	7349.5	6782.4	6224.4	5681.0	5151.7	4617.4	3992.8	3388.5	2868.0	2358.4	1846.7
-45°	6834.5	6340.3	5835.2	5330.6	4827.6	4255.7	3686.0	3145.0	2657.1	2171.7	1686.8
-47.5°	6340.3	5898.7	5442.8	4969.3	4444.4	3893.6	3374.1	2902.2	2444.9	1987.1	1544.6
-50°	5842.5	5433.3	5014.0	4560.1	4023.9	3546.9	3084.9	2652.7	2226.7	1799.9	1418.0
-52.5°	5299.2	4919.6	4535.4	4075.9	3626.2	3199.6	2788.2	2396.3	2004.1	1607.5	1287.2
-55°	4717.3	4371.0	4001.4	3624.6	3224.5	2860.4	2489.1	2129.3	1775.6	1451.7	1153.8
-57.5°	4128.4	3808.4	3507.5	3187.6	2851.5	2519.4	2186.0	1867.0	1547.9	1291.9	1030.4
-60°	3569.0	3299.7	3034.9	2761.2	2470.3	2181.7	1887.3	1602.1	1359.7	1132.7	905.1
-62.5°	3062.3	2832.4	2601.6	2353.0	2098.0	1849.2	1589.4	1370.6	1167.6	983.5	778.1
-65°	2586.4	2398.2	2194.8	1963.6	1752.3	1519.8	1331.2	1144.7	982.1	827.8	661.9
-67.5°	2135.2	1978.1	1800.5	1614.2	1427.5	1255.1	1091.0	947.8	801.3	680.7	541.3
-70°	1719.8	1580.9	1418.2	1290.7	1147.8	1006.6	893.5	764.0	650.8	546.6	421.8
-72.5°	1340.5	1226.2	1113.3	1002.3	909.2	814.1	707.2	621.7	526.9	421.9	333.4
-75°	990.8	920.3	854.2	781.0	703.8	642.8	573.5	499.0	413.6	332.8	244.3
-77.5°	735.2	680.8	640.8	595.2	546.9	495.1	442.2	390.1	318.3	244.5	170.7
-80°	529.0	501.5	470.5	436.3	401.5	365.8	325.4	285.3	227.0	178.5	125.9
-82.5°	345.2	331.6	314.9	293.8	268.2	244.7	217.6	190.8	152.7	119.8	81.9
-85°	176.1	173.7	170.9	166.6	157.0	141.4	120.7	97.5	80.6	68.7	50.8
-87.5°	42.3	49.3	58.1	65.7	67.3	62.6	54.8	46.3	40.4	34.5	25.5
-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°	9.1	7.6	6.2	4.7	3.3	1.7	0.0
85°	18.1	15.2	12.5	9.5	6.5	3.4	0.0
82.5°	27.1	22.8	18.7	14.2	9.8	5.1	0.0
80°	84.0	41.8	24.9	18.9	13.0	6.7	0.0
77.5°	145.3	88.7	40.6	23.6	16.2	8.4	0.0
75°	205.4	134.4	72.8	28.2	19.4	10.0	0.0
72.5°	294.2	178.9	104.2	45.7	22.5	11.7	0.0
70°	391.4	238.6	134.7	66.0	25.7	13.3	0.0
67.5°	486.2	315.0	164.2	85.6	28.7	14.8	0.0
65°	593.1	389.3	208.3	104.5	36.1	16.4	0.0
62.5°	713.5	461.5	265.3	122.6	46.7	17.9	0.0
60°	830.5	543.9	320.6	139.9	56.8	19.4	0.0
57.5°	943.9	639.2	374.1	157.9	66.4	20.8	0.0
55°	1051.3	732.0	425.8	195.3	75.5	22.2	0.0
52.5°	1154.9	822.0	479.9	231.1	84.1	23.6	0.0
50°	1254.0	909.8	550.3	265.3	92.1	24.9	0.0
47.5°	1353.7	988.0	617.6	297.6	99.6	26.2	0.0
45°	1478.7	1061.5	680.5	328.2	106.4	27.4	0.0
42.5°	1596.0	1130.2	740.0	356.8	112.6	28.6	0.0
40°	1704.2	1193.9	796.0	383.0	118.2	29.7	0.0
37.5°	1802.6	1252.5	848.5	406.7	123.2	30.8	0.0
35°	1893.7	1320.2	892.6	438.3	135.3	33.0	0.0
32.5°	1977.7	1388.7	931.1	471.2	149.1	35.5	0.0
30°	2053.9	1450.8	966.2	501.1	161.7	37.8	0.0
27.5°	2124.2	1506.3	997.2	528.1	173.6	39.9	0.0
25°	2188.0	1555.2	1025.2	552.1	184.4	41.7	0.0
22.5°	2244.9	1598.1	1050.2	573.0	193.9	43.4	0.0
20°	2296.2	1635.8	1072.1	590.9	202.1	44.9	0.0
17.5°	2345.8	1667.0	1090.8	607.1	209.1	46.1	0.0
15°	2388.9	1694.1	1106.2	620.7	214.8	47.2	0.0
12.5°	2423.8	1717.7	1121.3	631.4	219.3	48.1	0.0
10°	2450.1	1737.7	1134.3	638.9	222.5	48.8	0.0
7.5°	2472.7	1753.6	1143.8	643.6	224.5	49.3	0.0
5°	2488.2	1762.9	1149.7	645.2	225.4	49.6	0.0
2.5°	2495.1	1765.4	1152.0	643.9	225.0	49.7	0.0
0°	2493.4	1761.1	1150.4	639.7	223.5	49.6	0.0
-2.5°	2488.5	1757.7	1151.6	641.1	223.8	49.6	0.0
-5°	2475.2	1747.4	1148.9	639.7	222.9	49.4	0.0
-7.5°	2453.3	1730.1	1142.4	635.3	220.9	49.1	0.0
-10°	2424.4	1705.8	1131.9	628.0	217.7	48.6	0.0
-12.5°	2391.2	1676.3	1117.7	617.8	213.4	47.8	0.0
-15°	2349.9	1642.2	1099.8	604.7	207.9	47.0	0.0
-17.5°	2300.5	1607.1	1078.4	588.6	201.2	45.9	0.0
-20°	2243.2	1571.8	1052.7	569.3	193.4	44.7	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	2177.2	1531.6	1022.8	546.7	184.4	43.2	0.0
-25°	2102.3	1483.7	988.6	521.6	174.3	41.6	0.0
-27.5°	2018.4	1429.2	950.2	494.1	163.0	39.9	0.0
-30°	1924.2	1369.4	907.2	464.1	150.7	37.9	0.0
-32.5°	1817.1	1304.3	856.5	431.9	138.2	35.9	0.0
-35°	1703.1	1234.0	802.2	397.5	124.7	33.6	0.0
-37.5°	1593.3	1159.4	746.4	365.2	113.1	31.5	0.0
-40°	1495.7	1082.8	693.0	342.0	108.8	30.5	0.0
-42.5°	1394.2	1003.5	638.2	317.4	104.0	29.4	0.0
-45°	1290.2	921.6	582.2	291.6	98.8	28.2	0.0
-47.5°	1183.4	837.2	525.0	264.7	93.1	27.0	0.0
-50°	1080.1	750.6	467.9	236.8	86.9	25.7	0.0
-52.5°	974.3	680.3	410.1	208.0	80.3	24.3	0.0
-55°	865.2	610.5	367.8	178.2	73.3	23.0	0.0
-57.5°	755.3	540.8	328.2	147.5	65.9	21.5	0.0
-60°	675.8	471.2	287.3	133.5	58.1	20.0	0.0
-62.5°	590.6	411.6	245.1	120.2	49.9	18.5	0.0
-65°	500.4	358.9	201.8	106.0	41.4	17.0	0.0
-67.5°	417.2	304.7	167.4	91.2	35.0	15.4	0.0
-70°	342.3	249.0	142.6	75.7	31.4	13.7	0.0
-72.5°	266.1	200.2	116.6	59.6	27.7	12.1	0.0
-75°	195.8	157.0	89.6	45.0	23.9	10.4	0.0
-77.5°	146.5	111.7	61.7	37.9	20.1	8.7	0.0
-80°	98.2	64.8	44.5	30.5	16.1	7.0	0.0
-82.5°	53.5	41.3	33.5	23.1	12.2	5.3	0.0
-85°	35.8	27.6	22.4	15.4	8.1	3.5	0.0
-87.5°	17.9	13.8	11.2	7.7	4.1	1.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)