

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: P902077 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/13/2024

Test Information

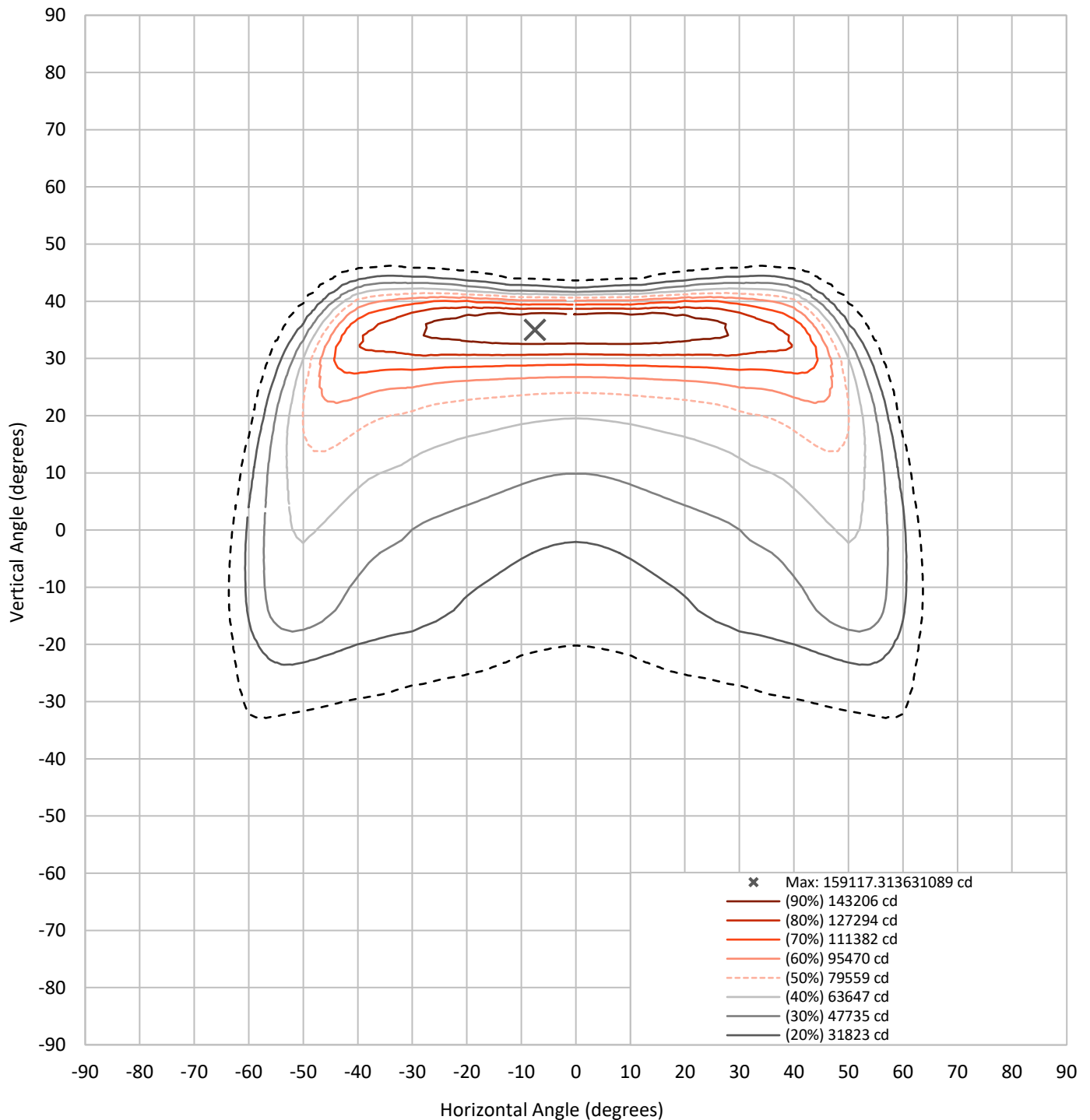
Test Method: LM-79-08
Report Number: P902077 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVM2049500)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A35-WB-LTM
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A35-WB-LTM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 4V
Luminaire Lumens:	137927.4 lumens	Max Intensity:	159117.3 candela
Efficiency:	N/A	Max Intensity Angle:	-7.5°H x 35°V
Efficacy:	97.6 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	92°H x 16.9°V	Field Angle (10%):	107.4°H x 65.2°V
Beam Lumens:	57752.6 lumens	Field Lumens:	129521.6 lumens
Beam Efficiency:	41.9%	Field Efficiency:	93.9%
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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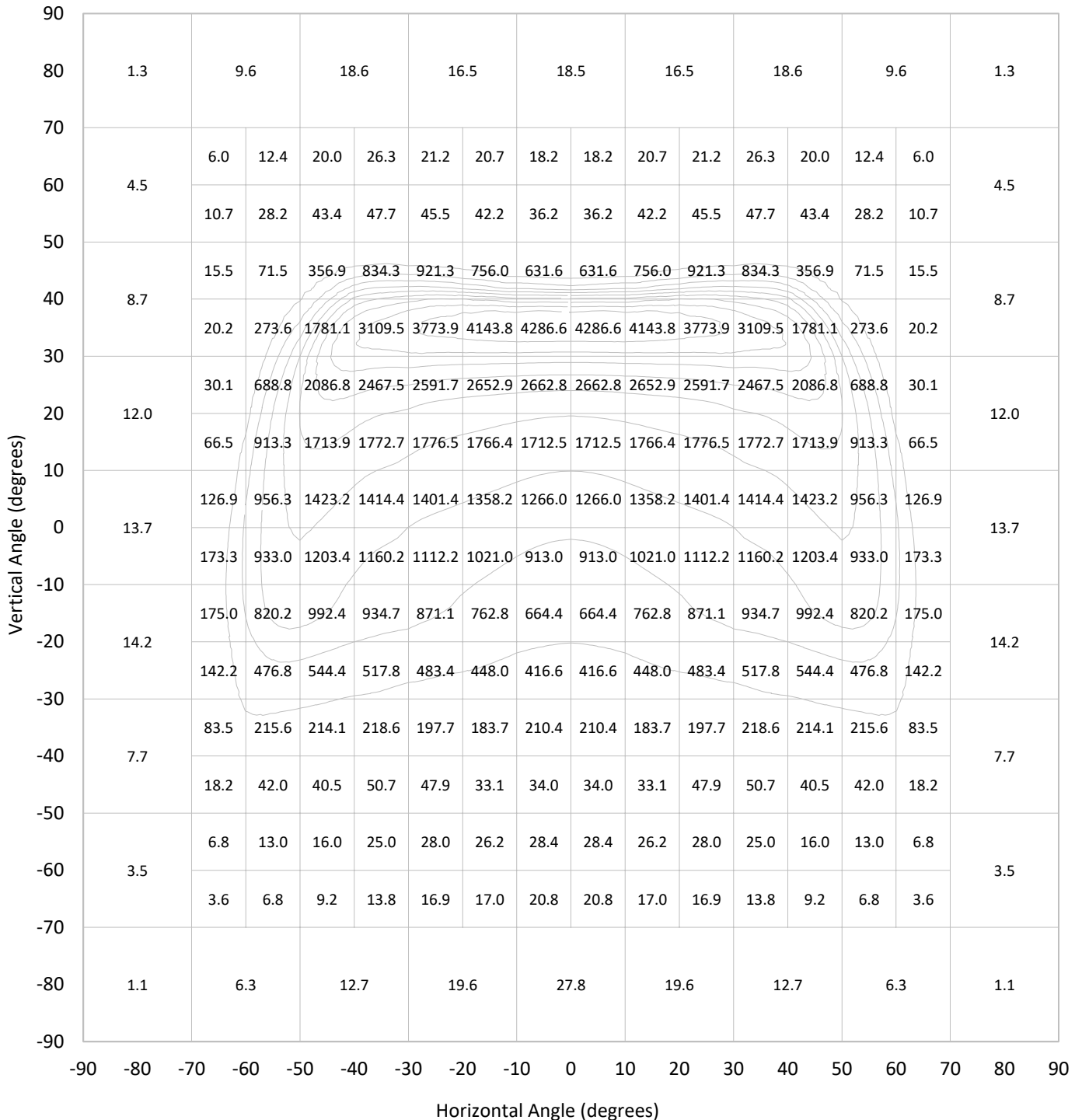
Iso-Candela Plot





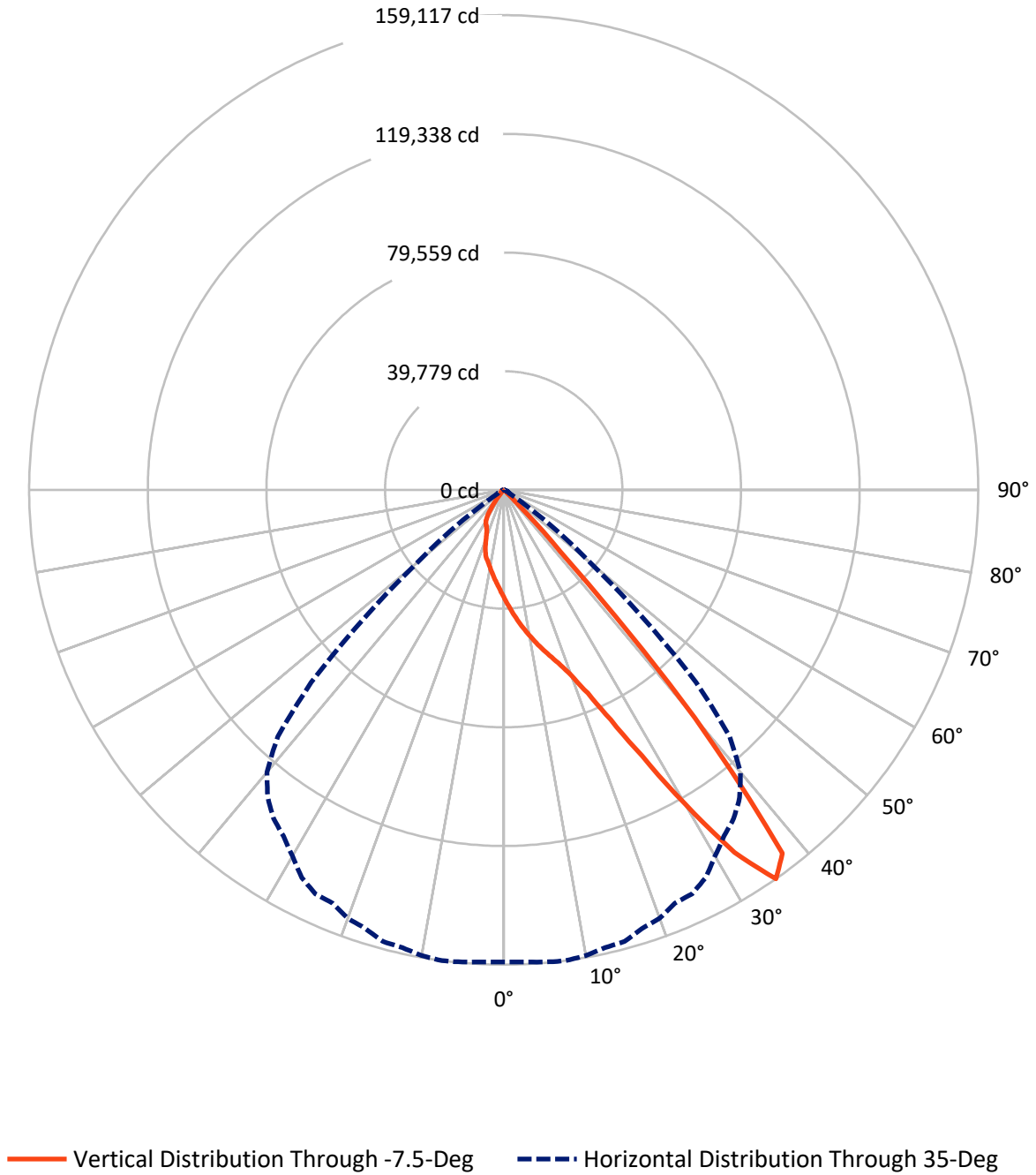
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Lumen Table



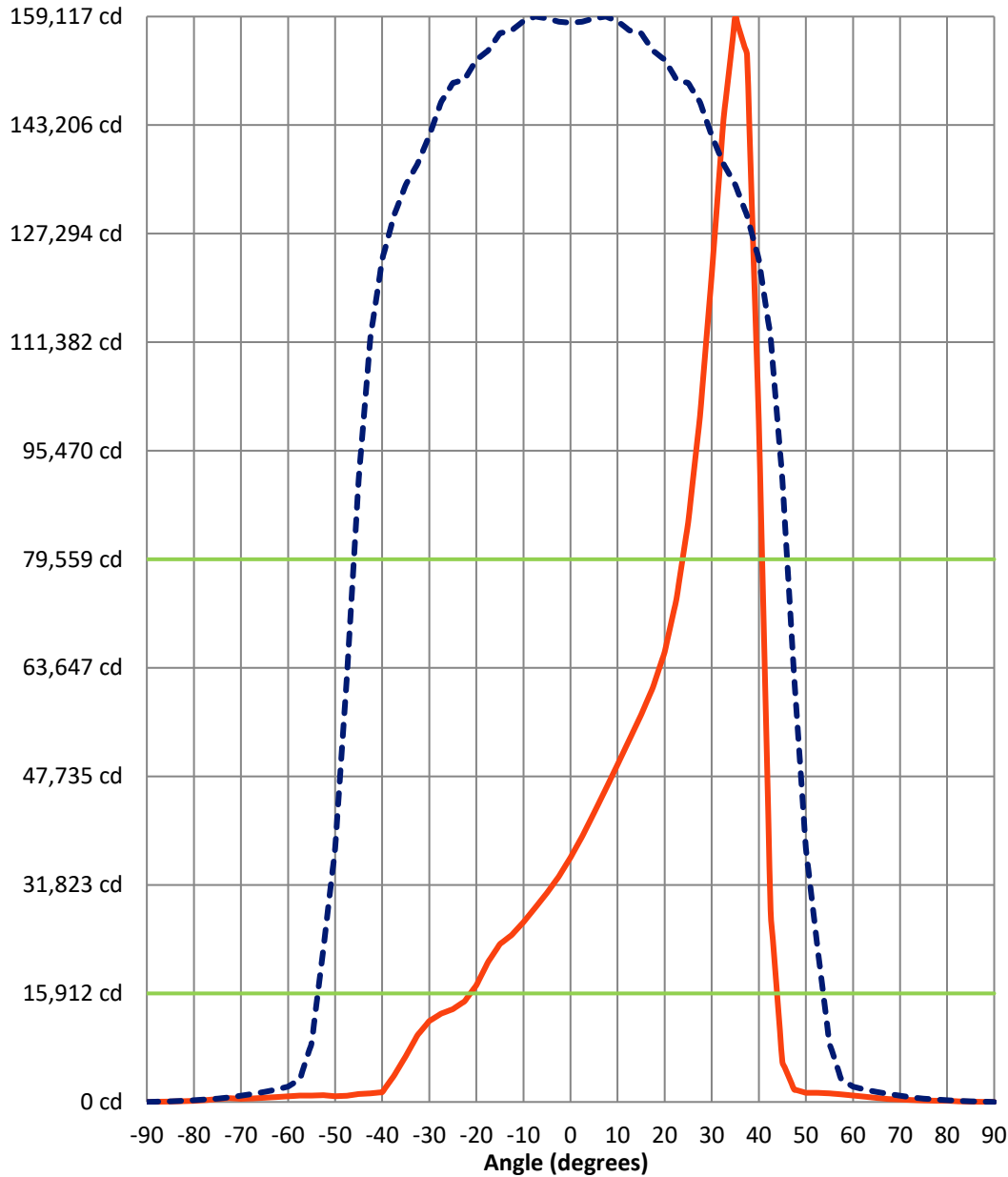
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 92°
 V Angle: 16.9°
 Lumens: 57752.6
 Efficiency: 41.9%

Field:
 H Angle: 107.4°
 V Angle: 65.2°
 Lumens: 129521.6
 Efficiency: 93.9%

Spill:
 Lumens: 8405.8
 Efficiency: 6.1%

- Vertical Distribution through -7.5-Deg
- - - Horizontal Distribution through 35-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	3.0	5.9	8.9	11.8	14.8	17.7	20.5	15.6	17.4	19.2
85°	0.0	5.9	11.9	17.8	23.7	29.5	35.3	41.0	31.5	34.8	40.4
82.5°	0.0	8.9	17.8	26.7	35.5	44.2	52.9	60.9	57.5	67.8	78.7
80°	0.0	11.8	23.7	35.5	47.2	57.4	65.1	79.2	87.9	102.3	116.8
77.5°	0.0	14.8	29.5	44.2	57.4	67.1	76.6	96.8	117.6	136.5	154.6
75°	0.0	17.7	35.3	52.9	65.3	76.6	88.1	120.8	148.0	170.5	194.7
72.5°	0.0	20.5	41.0	59.9	73.2	86.1	112.1	149.2	178.4	209.7	241.2
70°	0.0	23.3	46.6	66.5	81.1	102.2	140.1	178.0	214.7	251.2	293.5
67.5°	0.0	26.1	52.2	73.0	89.0	125.2	167.6	209.7	251.2	299.8	358.3
65°	0.0	28.8	57.0	79.5	101.6	147.8	194.7	241.2	290.4	356.3	430.7
62.5°	0.0	31.5	61.3	86.0	117.5	170.0	221.3	272.2	332.2	416.8	525.8
60°	0.0	34.1	65.3	92.3	132.4	190.4	247.3	303.0	370.5	490.0	618.0
57.5°	0.0	36.7	69.2	98.9	146.1	208.1	272.7	332.1	419.0	553.7	707.6
55°	0.0	39.1	72.9	108.0	158.5	224.4	296.8	361.0	469.0	621.2	787.4
52.5°	0.0	41.5	76.3	116.9	170.2	239.2	319.8	402.6	518.0	693.7	870.6
50°	0.0	43.9	79.6	125.3	183.5	254.7	343.4	443.3	587.1	767.7	951.9
47.5°	0.0	46.1	82.6	133.5	197.2	276.9	368.3	481.0	652.2	836.2	1037.8
45°	0.0	48.3	85.4	141.2	211.0	298.1	395.7	523.0	710.3	901.7	1125.3
42.5°	0.0	50.3	88.0	148.6	223.7	318.1	420.0	565.9	764.5	973.1	1217.2
40°	0.0	52.3	90.3	155.4	235.5	337.0	442.4	603.4	817.7	1047.0	1321.4
37.5°	0.0	54.1	92.3	162.0	246.3	354.7	465.0	635.9	869.9	1116.0	1409.8
35°	0.0	55.5	95.7	169.3	257.6	371.1	490.8	672.2	923.0	1183.9	1481.4
32.5°	0.0	56.6	99.5	176.4	268.5	386.6	515.1	712.8	975.0	1250.0	1548.0
30°	0.0	57.6	103.0	182.8	278.4	401.7	534.9	749.4	1022.5	1308.3	1602.6
27.5°	0.0	58.6	106.8	188.6	288.1	416.3	554.3	781.4	1061.3	1358.7	1646.6
25°	0.0	59.4	110.3	193.7	297.3	430.2	573.1	808.8	1092.9	1395.7	1726.0
22.5°	0.0	60.2	113.5	198.2	305.8	442.4	590.2	834.2	1121.6	1422.9	1792.9
20°	0.0	61.0	116.4	202.0	313.7	450.1	608.1	856.2	1147.9	1449.0	1880.2
17.5°	0.0	61.6	119.0	205.7	320.8	455.4	628.3	873.9	1174.8	1482.5	1970.7
15°	0.0	62.1	121.2	209.0	327.2	459.5	645.4	891.9	1199.3	1528.3	2181.4
12.5°	0.0	62.6	123.1	211.9	330.8	463.8	659.6	912.0	1225.0	1573.3	2634.6
10°	0.0	63.0	124.6	214.2	332.5	468.8	670.7	928.7	1249.2	1679.7	3201.0
7.5°	0.0	63.3	125.8	216.1	332.9	473.8	679.8	941.9	1268.1	1818.0	3945.3
5°	0.0	63.5	126.7	217.4	332.2	477.0	686.4	952.1	1291.1	2002.7	4734.4
2.5°	0.0	63.7	127.2	218.1	330.5	478.4	690.4	958.2	1312.6	2241.1	5702.7
0°	0.0	63.7	127.4	218.4	327.7	477.9	691.7	960.2	1328.8	2457.4	6589.4
-2.5°	0.0	63.7	127.2	216.4	327.2	476.9	692.8	980.1	1421.1	2835.6	7543.5
-5°	0.0	63.5	126.7	213.8	325.8	473.9	691.0	994.7	1503.3	3146.2	8314.9
-7.5°	0.0	63.3	125.8	210.9	323.3	469.0	686.1	1002.9	1615.3	3541.3	9043.9
-10°	0.0	63.0	124.6	207.6	319.7	462.1	677.3	1022.3	1832.0	3950.4	9576.9
-12.5°	0.0	62.6	123.1	204.0	314.9	452.3	663.3	1031.4	1998.6	4290.5	9740.9
-15°	0.0	62.1	121.2	200.2	308.6	439.6	645.7	1022.4	2183.4	4763.3	9620.1
-17.5°	0.0	61.6	119.0	196.2	300.7	427.4	624.3	1003.3	2356.2	5156.7	9664.1
-20°	0.0	61.0	116.4	192.2	292.0	415.8	600.6	965.1	2377.5	5524.8	9783.9



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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WB-LTM

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	60.2	113.5	188.3	282.7	403.0	579.5	894.8	2188.0	5801.4	9920.7
-25°	0.0	59.4	110.3	184.0	272.7	389.0	557.4	838.2	1739.7	5922.3	10087.5
-27.5°	0.0	58.6	106.8	179.1	262.0	373.9	532.1	802.7	1526.3	5198.5	10173.4
-30°	0.0	57.6	103.0	173.7	250.7	357.6	503.3	758.2	1360.8	4194.4	9176.4
-32.5°	0.0	56.6	98.8	167.8	237.5	340.4	469.8	704.7	1173.8	3133.0	7376.0
-35°	0.0	55.5	94.4	161.4	223.5	322.0	432.4	635.5	983.5	1988.0	4936.6
-37.5°	0.0	54.1	90.4	154.4	210.1	302.4	397.6	562.1	836.2	1397.4	3139.2
-40°	0.0	52.3	87.9	146.9	200.0	282.1	371.3	506.5	729.1	1160.8	2169.7
-42.5°	0.0	50.3	85.3	139.3	189.6	261.8	344.0	453.6	624.7	916.5	1415.6
-45°	0.0	48.3	82.5	131.5	179.0	241.4	315.7	404.1	523.8	734.2	1093.5
-47.5°	0.0	46.1	79.6	123.7	168.1	221.1	286.5	365.2	472.0	626.9	866.5
-50°	0.0	43.9	76.7	115.8	157.8	200.9	262.8	333.3	421.0	526.0	688.0
-52.5°	0.0	41.5	73.6	107.8	147.6	188.5	240.9	301.4	370.4	460.7	587.7
-55°	0.0	39.1	70.4	99.7	137.9	176.5	220.0	270.5	335.0	408.3	478.4
-57.5°	0.0	36.7	67.1	91.6	128.0	164.1	200.0	247.4	300.3	358.0	411.4
-60°	0.0	34.1	63.7	86.3	117.8	151.4	184.8	223.8	267.4	320.0	347.1
-62.5°	0.0	31.5	60.2	81.1	107.4	138.4	169.2	199.7	239.8	280.6	306.2
-65°	0.0	28.8	56.6	75.8	96.7	125.1	153.2	181.1	211.5	245.8	275.8
-67.5°	0.0	26.1	52.2	70.3	87.5	111.5	137.0	162.2	185.2	209.8	236.0
-70°	0.0	23.3	46.6	64.8	80.2	97.7	120.4	143.0	158.7	175.7	194.5
-72.5°	0.0	20.5	41.0	59.1	72.7	86.1	103.7	123.4	131.6	146.1	161.0
-75°	0.0	17.7	35.3	52.9	65.1	76.6	87.5	103.7	113.1	121.7	129.6
-77.5°	0.0	14.8	29.5	44.2	57.4	67.1	73.5	83.9	95.9	104.7	106.5
-80°	0.0	11.8	23.7	35.5	47.2	57.4	59.2	64.0	74.8	85.8	86.9
-82.5°	0.0	8.9	17.8	26.7	35.5	44.2	44.5	43.7	51.7	60.0	63.2
-85°	0.0	5.9	11.9	17.8	23.7	29.5	29.5	27.5	31.1	34.8	38.9
-87.5°	0.0	3.0	5.9	8.9	11.8	14.8	14.7	13.7	15.6	17.4	19.2
-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):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	21.0	22.7	24.4	26.1	27.7	29.2	24.6	21.0	21.8	22.7	23.5
85°	47.6	54.5	55.3	60.0	58.5	58.6	49.7	43.5	45.1	46.9	48.7
82.5°	89.4	99.8	93.4	101.7	103.0	110.1	98.3	89.6	89.8	82.2	81.3
80°	131.0	144.9	143.2	153.5	166.7	185.3	171.6	156.4	153.4	139.6	131.5
77.5°	172.4	191.7	199.2	211.5	231.3	267.0	259.9	245.3	232.8	212.7	196.6
75°	221.3	247.3	261.0	279.9	302.5	337.4	351.2	354.6	346.3	311.3	280.5
72.5°	272.2	317.0	345.2	363.0	389.2	437.8	470.2	494.8	540.3	514.6	434.1
70°	349.3	400.9	433.5	456.3	492.6	552.9	644.6	728.1	783.1	821.1	789.4
67.5°	428.9	504.0	528.8	550.6	586.7	667.6	875.2	908.5	910.8	1027.6	974.8
65°	529.7	624.8	648.4	652.6	712.4	804.1	1027.0	929.0	892.6	1037.9	1173.9
62.5°	646.2	787.6	805.1	822.5	873.5	963.5	1039.4	978.9	856.7	990.5	1239.0
60°	787.0	941.0	991.6	1022.6	1068.2	1132.0	1167.6	1167.0	1122.2	1193.9	1409.1
57.5°	899.7	1076.3	1193.3	1251.1	1312.0	1351.2	1407.5	1465.4	1499.5	1537.9	1599.6
55°	991.2	1213.6	1397.2	1519.3	1655.5	1752.7	1830.2	1890.5	1871.6	1818.5	1827.2
52.5°	1082.1	1333.8	1598.5	1862.1	2178.5	2526.5	2532.7	2408.5	2352.9	2241.8	2252.1
50°	1180.2	1482.5	1827.2	2334.6	3152.2	3642.0	3617.0	3583.7	3428.6	3404.8	3429.3
47.5°	1280.1	1637.1	2123.2	2945.7	4170.6	4953.8	5464.1	5944.1	6076.1	7179.5	7729.9
45°	1409.5	1797.3	2358.7	3381.2	5138.8	6853.2	8308.6	9778.2	14011.6	18785.4	20346.7
42.5°	1536.8	1926.0	2555.6	3888.8	6709.9	9489.7	12567.4	21225.8	33807.2	45152.6	54492.7
40°	1644.2	2021.9	2714.7	4352.6	8915.0	14527.5	24977.3	42133.0	63685.4	84530.9	92757.8
37.5°	1731.8	2117.3	2961.4	6504.7	14580.9	24549.2	41720.9	67616.0	94590.1	109037.8	117231.3
35°	1815.6	2257.8	3330.9	8651.3	22436.1	37190.4	62409.8	91246.5	112113.4	123489.1	129937.0
32.5°	1925.4	2524.9	5224.7	16588.3	32983.6	51848.5	78748.0	104674.4	120583.9	128071.5	131816.2
30°	2039.7	2836.7	7107.6	24959.5	42021.0	63663.3	90649.6	109614.7	118653.1	121663.1	122172.5
27.5°	2187.0	3829.2	12239.0	32195.3	50267.7	71697.6	93760.1	106895.8	111539.0	111777.6	110362.7
25°	2427.9	5479.4	18572.4	39040.3	56218.1	77367.9	94727.4	102712.7	103554.8	101858.9	99207.8
22.5°	2736.2	7144.9	24406.4	45750.7	60594.4	79709.6	92332.3	96554.3	95482.0	92904.8	89813.1
20°	3101.9	9205.0	29803.7	49182.3	64044.9	80074.2	89039.5	90792.7	88498.4	85447.8	82163.4
17.5°	3925.7	13843.0	34749.3	51553.7	66180.0	79810.1	85905.9	85601.1	82825.5	79598.2	76518.5
15°	5466.0	18203.7	38820.1	53051.5	67185.3	77932.2	81980.9	80998.0	78281.5	75101.8	72076.2
12.5°	7293.7	22127.8	41918.9	54005.9	66793.2	75609.8	78461.1	77061.5	74352.2	71242.4	68400.6
10°	9130.7	25715.1	44028.6	54807.1	66184.3	73493.5	75273.2	73422.7	70595.1	67517.2	64692.8
7.5°	11270.3	28796.0	44814.7	55355.1	65588.7	71437.9	72279.4	69961.2	66995.0	63906.9	61124.6
5°	13349.0	31331.1	45509.8	55903.5	64867.0	69429.4	69177.0	66705.8	63619.4	60596.4	57848.8
2.5°	15559.0	33313.8	46158.7	56226.2	64045.2	67455.4	66349.8	63657.9	60562.2	57586.9	54960.3
0°	17547.7	34767.8	46690.7	56365.6	63146.2	65458.0	63697.0	60852.7	57735.5	54772.9	52292.7
-2.5°	19170.8	35519.0	47087.1	56254.4	61991.1	63443.4	61344.6	58351.8	55405.4	52470.2	49989.9
-5°	20419.3	35830.1	47197.4	55854.9	60685.2	61409.0	59118.7	56118.7	53130.7	50339.7	47856.8
-7.5°	21056.4	35634.1	47054.8	55271.0	59279.0	59361.0	56927.8	53840.7	50949.0	48261.6	45889.3
-10°	21310.0	35207.0	46703.4	54606.8	57880.5	57494.8	54785.8	51533.0	48805.0	46170.5	43779.2
-12.5°	20901.4	34537.5	45746.0	53792.2	56952.0	55924.9	53161.8	50022.6	47113.9	44630.1	42226.9
-15°	20041.9	32625.0	43806.3	51689.1	54320.3	53772.1	50841.2	47928.8	45152.2	42958.8	40686.6
-17.5°	18067.2	29978.1	39770.9	46281.6	48892.1	47844.2	46004.1	42758.4	40410.9	38251.2	36283.9
-20°	16652.9	26291.2	34482.5	40018.5	41228.5	40383.0	38144.7	35921.2	33608.4	31786.9	30230.1



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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WB-LTM

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	15766.0	23136.3	29735.4	33837.5	34527.3	33228.3	31590.5	29823.1	28085.6	26742.8	25355.7
-25°	15097.7	20739.7	25731.2	28370.6	28578.0	27487.1	26140.3	24764.8	23581.3	22692.5	21604.7
-27.5°	14434.3	18840.9	22019.2	23563.6	23433.5	22623.8	21473.1	20261.5	19328.0	18613.8	17997.2
-30°	13958.0	17124.6	19027.6	19438.5	19144.3	18387.5	17582.8	16706.5	15826.7	15157.9	14761.2
-32.5°	12691.6	15803.9	16386.2	15978.5	15274.3	14622.6	13943.9	13324.2	12787.7	12350.0	11920.9
-35°	10550.5	13559.9	13925.2	12611.7	11641.8	10904.5	10232.6	9726.2	9416.1	9177.3	9018.2
-37.5°	7530.6	9991.5	10205.8	9165.7	8059.9	7364.5	6747.3	6249.3	6053.6	5951.2	5914.8
-40°	4320.6	6168.6	6402.1	5825.1	5117.9	4531.5	4036.9	3711.7	3469.7	3350.8	3412.6
-42.5°	2113.2	3424.8	3713.3	3211.6	2757.4	2519.6	2359.8	2295.5	2242.6	2269.1	2301.6
-45°	1545.7	2000.6	2071.6	1853.3	1682.2	1585.2	1579.6	1529.4	1571.6	1736.1	1805.6
-47.5°	1163.7	1373.2	1393.4	1308.1	1204.8	1182.4	1253.3	1256.9	1169.9	1300.5	1387.3
-50°	940.7	1121.5	1165.3	1092.7	1026.0	980.5	1034.9	1024.9	927.7	1021.8	1158.3
-52.5°	764.5	914.9	943.8	908.2	885.0	846.4	853.5	824.7	793.0	868.9	1000.6
-55°	598.1	673.8	685.1	702.9	712.5	731.3	735.5	698.3	706.1	778.2	900.2
-57.5°	469.8	511.9	570.0	589.5	612.3	633.4	638.3	611.5	630.3	695.8	833.8
-60°	394.5	438.4	487.5	526.2	540.1	554.5	544.1	538.2	559.7	609.5	759.9
-62.5°	342.2	381.7	421.4	463.7	483.2	486.1	477.0	477.3	488.3	514.2	595.5
-65°	300.0	334.7	360.7	401.8	421.0	421.5	409.1	420.8	433.3	437.8	468.1
-67.5°	258.1	283.5	301.3	326.4	351.5	350.0	345.1	367.1	374.0	371.3	373.4
-70°	218.6	235.5	256.1	268.4	277.7	287.4	291.7	309.4	321.1	318.3	322.9
-72.5°	181.4	200.5	214.2	225.4	224.9	229.5	243.0	253.5	263.7	274.6	283.5
-75°	142.3	161.5	170.1	180.3	182.4	178.6	182.4	189.4	200.2	216.1	220.8
-77.5°	106.4	116.9	129.2	140.1	147.9	148.5	152.5	154.5	152.6	155.8	161.8
-80°	85.0	90.7	96.5	101.8	110.9	117.0	120.7	121.0	120.9	121.7	125.9
-82.5°	63.4	68.1	69.9	63.8	69.8	76.8	81.8	79.1	82.3	86.2	90.0
-85°	42.0	45.5	47.7	44.5	45.9	47.4	48.9	50.4	51.7	53.0	54.3
-87.5°	21.0	22.7	24.4	26.1	27.7	29.2	30.7	32.2	33.5	34.9	36.1
-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: P902077 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WB-LTM

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°	24.2	7.3	2.9	11.8	7.8	5.4	6.0	6.6	7.2	10.4	26.2
85°	45.3	38.7	40.0	41.3	40.9	39.2	42.7	47.1	48.2	49.1	45.6
82.5°	77.0	76.9	78.3	76.6	73.1	68.2	74.1	80.7	90.7	96.1	86.4
80°	129.0	127.3	125.2	121.4	119.6	116.9	117.3	120.2	129.1	143.7	165.9
77.5°	193.7	184.1	173.5	175.0	171.3	169.0	164.2	164.4	161.8	163.7	172.4
75°	273.2	252.2	237.0	232.2	230.2	231.7	236.6	243.2	243.9	232.0	223.0
72.5°	404.6	367.2	319.3	302.5	298.9	298.3	298.3	314.9	316.4	306.9	294.9
70°	666.9	557.1	431.3	385.1	370.3	370.7	375.9	393.2	397.7	382.8	381.1
67.5°	943.3	813.9	588.5	486.0	463.6	457.0	460.1	480.5	498.5	476.9	448.1
65°	1166.7	1038.9	876.0	745.5	678.3	659.8	641.6	641.1	654.5	632.8	602.0
62.5°	1326.2	1256.6	1206.5	1160.6	1032.9	1008.6	966.2	936.6	945.5	899.8	797.6
60°	1523.5	1426.5	1339.1	1271.5	1226.9	1190.3	1158.2	1209.3	1268.7	1174.2	999.7
57.5°	1646.2	1547.4	1445.6	1367.9	1323.2	1285.3	1258.3	1315.8	1399.0	1284.5	1182.5
55°	1800.5	1707.0	1599.7	1477.0	1453.4	1509.4	1409.6	1425.5	1465.1	1379.9	1305.4
52.5°	2128.0	1873.7	1742.9	1898.9	1775.1	1606.2	1572.5	1545.6	1634.0	1527.8	1409.2
50°	3043.9	2824.1	3046.6	3161.8	2973.0	2715.4	2338.1	1869.5	1806.3	1595.8	1435.0
47.5°	7556.3	7739.4	6459.1	6452.4	5288.7	5398.3	4452.6	3775.7	3265.1	2765.7	2281.8
45°	23333.9	22709.0	19750.0	20325.8	17706.5	16569.0	13282.7	11353.4	9299.8	6934.4	6222.9
42.5°	57173.9	56584.0	57283.7	57258.6	53395.1	52421.9	44329.2	42357.1	36888.1	28842.3	29673.7
40°	97028.7	102246.2	105906.3	108897.4	114061.8	110937.2	113152.1	107185.5	108859.7	103421.0	99641.8
37.5°	122796.9	128653.2	132918.4	138786.2	144446.3	144303.5	148268.4	148982.0	152764.6	151408.3	151178.2
35°	134447.1	137521.1	141661.9	146554.2	149361.1	149906.3	152765.0	154143.2	156656.7	157095.9	158440.5
32.5°	132800.0	134539.6	137211.0	139967.6	140209.2	140433.7	141603.4	142594.7	143335.6	143751.4	144267.2
30°	121838.3	122319.7	123778.4	124317.7	122641.2	122502.0	122495.6	122154.9	122345.9	121721.1	121766.4
27.5°	108585.5	107883.2	108232.4	106664.4	105066.5	104211.6	103437.3	102848.8	102363.1	101151.4	101026.0
25°	96528.4	95880.0	95274.2	92949.6	91166.0	89998.3	89028.1	87995.3	87449.4	86527.6	85912.8
22.5°	87277.2	86314.1	84969.4	82333.0	80572.1	79346.0	78005.4	77063.8	76302.5	75384.4	74608.1
20°	79836.8	78965.4	77199.0	74452.2	72976.8	71549.6	70489.6	69490.3	68739.1	67820.4	66762.1
17.5°	74457.6	73612.0	71451.7	69088.2	67678.5	66467.5	65407.0	64544.4	63603.6	62632.9	61589.1
15°	70183.7	69459.1	67259.3	65159.4	63909.5	62731.8	61717.8	60784.7	59820.9	58782.9	57640.9
12.5°	66745.5	65694.5	63488.5	61643.9	60542.2	59412.1	58423.3	57427.3	56439.1	55255.8	54119.3
10°	63131.4	62087.4	59891.7	58171.5	57175.6	56157.5	55117.0	54134.6	53021.5	51840.0	50601.9
7.5°	59563.9	58482.5	56343.9	54800.4	53785.8	52828.6	51834.0	50730.1	49578.3	48343.5	47075.7
5°	56349.5	55225.7	53028.7	51658.5	50639.0	49626.0	48574.5	47444.1	46190.4	44848.5	43552.0
2.5°	53493.4	52339.3	50145.4	48753.0	47725.9	46633.2	45471.8	44232.4	42955.3	41541.5	40167.2
0°	50850.2	49830.8	47637.3	46140.1	44961.5	43810.1	42576.9	41243.5	39854.0	38425.0	37032.9
-2.5°	48486.1	47538.1	45421.0	43750.2	42513.2	41215.3	39876.9	38458.3	37054.3	35631.8	34259.6
-5°	46218.3	45329.0	43393.1	41617.8	40226.6	38814.8	37419.3	35997.4	34584.9	33169.9	31829.8
-7.5°	44041.5	43134.9	41390.1	39586.7	38145.1	36670.4	35227.4	33799.5	32379.6	30963.7	29651.7
-10°	41845.9	40940.8	39277.9	37372.2	36035.9	34573.4	33053.1	31580.1	30190.3	28773.5	27498.1
-12.5°	40276.0	39121.8	37499.4	35471.5	34188.5	32713.4	31126.6	29589.7	28143.3	26729.0	25431.6
-15°	38766.9	37453.7	36210.3	34260.9	32843.8	31393.4	29844.5	28296.9	26810.9	25464.9	24303.3
-17.5°	34529.7	33270.4	32507.5	30642.9	29251.2	27903.7	26518.2	25105.6	23737.0	22488.3	21426.5
-20°	28654.3	27392.3	26690.1	25416.4	24113.5	23092.6	21937.6	20823.1	19713.5	18703.8	17819.4



REPORT NUMBER: P902077 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WB-LTM

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	23960.1	22779.2	22200.0	21321.4	20207.7	19436.0	18642.4	17792.5	16926.3	16093.8	15358.1
-25°	20378.5	19318.5	18639.8	18085.0	17180.4	16648.4	16159.4	15656.8	15065.1	14484.3	13992.8
-27.5°	17204.4	16235.8	15403.5	15078.3	14341.0	13972.8	13732.4	13535.2	13344.0	13233.0	13077.7
-30°	14290.0	13587.1	12758.9	12210.3	11746.4	11357.1	11292.2	11334.8	11370.0	11550.7	11735.1
-32.5°	11615.0	11185.4	10487.3	9780.7	9263.5	8780.6	8605.9	8651.8	8780.5	9093.3	9526.9
-35°	8850.5	8738.1	8270.0	7611.2	6928.8	6336.7	5936.2	5838.0	5875.9	6123.1	6436.7
-37.5°	5890.6	5908.1	5909.9	5493.1	4877.1	4349.2	3890.1	3628.4	3331.4	3339.8	3695.3
-40°	3565.3	3594.8	3714.4	3650.8	3259.9	2781.4	2016.4	1881.1	1505.1	1519.0	1819.7
-42.5°	2476.4	2570.8	2582.0	2564.2	2286.8	1734.3	1273.2	1292.5	1293.6	1244.4	1245.0
-45°	1911.3	1936.8	1984.8	1802.8	1494.4	1151.5	1122.0	987.1	1070.7	1078.4	1158.9
-47.5°	1463.4	1522.2	1508.0	1446.5	1247.5	972.9	916.3	883.1	874.1	886.1	857.4
-50°	1228.1	1278.0	1274.8	1263.3	1089.9	978.6	935.0	830.3	819.9	872.4	873.1
-52.5°	1087.1	1131.4	1176.7	1160.2	1019.1	959.0	926.7	882.5	907.0	934.9	991.3
-55°	981.7	1043.6	1105.0	1098.1	1005.4	906.9	870.1	855.5	869.7	909.1	940.2
-57.5°	971.2	1028.4	1092.4	1095.5	1004.1	907.9	885.6	884.4	912.6	946.9	945.3
-60°	920.2	972.6	1055.0	1025.6	949.9	883.2	842.3	827.2	827.7	814.7	812.4
-62.5°	706.8	770.9	791.7	806.8	774.7	709.0	694.3	677.8	676.0	675.5	693.5
-65°	531.3	577.3	591.7	600.6	599.1	561.6	549.3	541.2	536.9	570.3	602.6
-67.5°	399.3	430.7	456.3	474.0	458.2	443.0	437.5	438.9	452.3	484.4	511.9
-70°	332.5	341.0	354.3	367.2	366.2	352.4	367.0	384.5	399.8	419.2	444.0
-72.5°	286.1	283.0	285.9	285.6	275.3	277.0	298.5	319.2	341.8	370.8	450.8
-75°	225.6	232.5	230.4	233.4	225.9	227.6	250.6	264.3	292.0	385.5	477.5
-77.5°	163.6	166.1	169.3	174.8	176.7	174.9	190.2	205.3	280.2	389.3	366.5
-80°	130.0	131.5	133.3	126.4	128.4	131.6	134.5	140.9	163.2	188.8	162.9
-82.5°	93.5	87.1	86.5	85.1	87.2	89.7	91.8	93.7	106.2	120.4	116.5
-85°	56.3	57.2	57.6	58.5	59.4	60.2	60.9	64.9	72.6	72.8	81.1
-87.5°	36.8	37.4	37.9	38.4	38.8	39.2	39.6	40.9	43.9	44.4	44.8
-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: P902077 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WB-LTM

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°	18.0	11.2	8.6	5.5	8.6	11.2	18.0	26.2	10.4	7.2	6.6
85°	46.8	50.7	50.9	44.6	50.9	50.7	46.8	45.6	49.1	48.2	47.1
82.5°	87.5	95.4	99.9	100.1	99.9	95.4	87.5	86.4	96.1	90.7	80.7
80°	189.7	193.1	187.2	183.8	187.2	193.1	189.7	165.9	143.7	129.1	120.2
77.5°	187.4	194.8	195.5	202.5	195.5	194.8	187.4	172.4	163.7	161.8	164.4
75°	228.5	226.3	230.8	232.1	230.8	226.3	228.5	223.0	232.0	243.9	243.2
72.5°	287.0	276.2	278.5	279.4	278.5	276.2	287.0	294.9	306.9	316.4	314.9
70°	365.4	338.6	336.3	336.8	336.3	338.6	365.4	381.1	382.8	397.7	393.2
67.5°	435.9	423.5	422.8	423.7	422.8	423.5	435.9	448.1	476.9	498.5	480.5
65°	598.3	568.0	552.2	550.7	552.2	568.0	598.3	602.0	632.8	654.5	641.1
62.5°	776.7	758.2	737.7	732.2	737.7	758.2	776.7	797.6	899.8	945.5	936.6
60°	948.0	926.1	899.5	882.8	899.5	926.1	948.0	999.7	1174.2	1268.7	1209.3
57.5°	1120.2	1084.7	1065.1	1052.1	1065.1	1084.7	1120.2	1182.5	1284.5	1399.0	1315.8
55°	1263.1	1226.8	1204.7	1196.9	1204.7	1226.8	1263.1	1305.4	1379.9	1465.1	1425.5
52.5°	1344.2	1307.5	1286.7	1284.2	1286.7	1307.5	1344.2	1409.2	1527.8	1634.0	1545.6
50°	1347.0	1288.3	1261.7	1246.9	1261.7	1288.3	1347.0	1435.0	1595.8	1806.3	1869.5
47.5°	1840.2	1966.8	2005.7	2024.6	2005.7	1966.8	1840.2	2281.8	2765.7	3265.1	3775.7
45°	5893.0	5621.4	5393.8	5260.7	5393.8	5621.4	5893.0	6222.9	6934.4	9299.8	11353.4
42.5°	28126.9	25123.0	22145.2	20678.7	22145.2	25123.0	28126.9	29673.7	28842.3	36888.1	42357.1
40°	99792.1	100319.5	99931.7	99115.4	99931.7	100319.5	99792.1	99641.8	103421.0	108859.7	107185.5
37.5°	153482.2	153709.3	152281.4	151544.7	152281.4	153709.3	153482.2	151178.2	151408.3	152764.6	148982.0
35°	159117.3	158848.6	158365.8	158202.5	158365.8	158848.6	159117.3	158440.5	157095.9	156656.7	154143.2
32.5°	144050.1	144059.8	143921.2	143740.1	143921.2	144059.8	144050.1	144267.2	143751.4	143335.6	142594.7
30°	121281.0	120842.9	120439.1	120285.5	120439.1	120842.9	121281.0	121766.4	121721.1	122345.9	122154.9
27.5°	100475.2	99976.9	99886.4	99875.4	99886.4	99976.9	100475.2	101026.0	101151.4	102363.1	102848.8
25°	84980.1	84630.5	84351.2	84343.7	84351.2	84630.5	84980.1	85912.8	86527.6	87449.4	87995.3
22.5°	73703.8	73188.8	72723.4	72580.0	72723.4	73188.8	73703.8	74608.1	75384.4	76302.5	77063.8
20°	65958.2	65320.3	64815.8	64602.5	64815.8	65320.3	65958.2	66762.1	67820.4	68739.1	69490.3
17.5°	60768.5	59979.9	59509.8	59460.2	59509.8	59979.9	60768.5	61589.1	62632.9	63603.6	64544.4
15°	56757.8	55975.6	55471.0	55496.5	55471.0	55975.6	56757.8	57640.9	58782.9	59820.9	60784.7
12.5°	53111.9	52271.3	51723.1	51692.3	51723.1	52271.3	53111.9	54119.3	55255.8	56439.1	57427.3
10°	49480.6	48581.8	48011.3	47934.2	48011.3	48581.8	49480.6	50601.9	51840.0	53021.5	54134.6
7.5°	45896.8	44964.5	44354.4	44201.5	44354.4	44964.5	45896.8	47075.7	48343.5	49578.3	50730.1
5°	42387.2	41420.2	40781.3	40559.2	40781.3	41420.2	42387.2	43552.0	44848.5	46190.4	47444.1
2.5°	38951.5	37999.3	37377.5	37118.3	37377.5	37999.3	38951.5	40167.2	41541.5	42955.3	44232.4
0°	35842.3	34869.6	34254.4	34021.4	34254.4	34869.6	35842.3	37032.9	38425.0	39854.0	41243.5
-2.5°	33034.2	32117.1	31553.5	31346.4	31553.5	32117.1	33034.2	34259.6	35631.8	37054.3	38458.3
-5°	30652.8	29716.1	29077.5	28881.9	29077.5	29716.1	30652.8	31829.8	33169.9	34584.9	35997.4
-7.5°	28478.6	27535.5	26959.8	26682.0	26959.8	27535.5	28478.6	29651.7	30963.7	32379.6	33799.5
-10°	26358.0	25435.4	24887.4	24586.6	24887.4	25435.4	26358.0	27498.1	28773.5	30190.3	31580.1
-12.5°	24478.2	23643.0	23146.4	22911.4	23146.4	23643.0	24478.2	25431.6	26729.0	28143.3	29589.7
-15°	23137.7	22440.3	21852.1	21641.8	21852.1	22440.3	23137.7	24303.3	25464.9	26810.9	28296.9
-17.5°	20533.5	19921.3	19366.6	19227.0	19366.6	19921.3	20533.5	21426.5	22488.3	23737.0	25105.6
-20°	17117.2	16577.7	16208.3	16073.3	16208.3	16577.7	17117.2	17819.4	18703.8	19713.5	20823.1



REPORT NUMBER: P902077 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WB-LTM

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	14761.6	14375.2	14163.9	14071.0	14163.9	14375.2	14761.6	15358.1	16093.8	16926.3	17792.5
-25°	13610.7	13300.6	13109.1	13051.6	13109.1	13300.6	13610.7	13992.8	14484.3	15065.1	15656.8
-27.5°	12943.0	12767.4	12634.2	12551.0	12634.2	12767.4	12943.0	13077.7	13233.0	13344.0	13535.2
-30°	11862.0	11913.3	11994.2	12050.4	11994.2	11913.3	11862.0	11735.1	11550.7	11370.0	11334.8
-32.5°	9795.6	10058.3	10271.9	10325.7	10271.9	10058.3	9795.6	9526.9	9093.3	8780.5	8651.8
-35°	6713.1	7038.2	7329.0	7390.5	7329.0	7038.2	6713.1	6436.7	6123.1	5875.9	5838.0
-37.5°	3847.2	4121.2	4335.4	4373.3	4335.4	4121.2	3847.2	3695.3	3339.8	3331.4	3628.4
-40°	1435.8	1326.4	1327.6	1328.8	1327.6	1326.4	1435.8	1819.7	1519.0	1505.1	1881.1
-42.5°	1263.6	1286.6	1270.1	1219.6	1270.1	1286.6	1263.6	1245.0	1244.4	1293.6	1292.5
-45°	1166.3	1184.0	1177.3	1183.2	1177.3	1184.0	1166.3	1158.9	1078.4	1070.7	987.1
-47.5°	914.2	914.7	946.9	983.0	946.9	914.7	914.2	857.4	886.1	874.1	883.1
-50°	844.1	801.9	805.1	891.9	805.1	801.9	844.1	873.1	872.4	819.9	830.3
-52.5°	994.3	980.5	955.0	951.2	955.0	980.5	994.3	991.3	934.9	907.0	882.5
-55°	939.5	939.9	950.7	964.8	950.7	939.9	939.5	940.2	909.1	869.7	855.5
-57.5°	939.4	968.3	985.3	951.2	985.3	968.3	939.4	945.3	946.9	912.6	884.4
-60°	831.2	898.8	992.6	1019.4	992.6	898.8	831.2	812.4	814.7	827.7	827.2
-62.5°	721.5	775.6	838.0	983.0	838.0	775.6	721.5	693.5	675.5	676.0	677.8
-65°	621.4	646.2	706.1	746.3	706.1	646.2	621.4	602.6	570.3	536.9	541.2
-67.5°	524.6	554.4	610.2	659.8	610.2	554.4	524.6	511.9	484.4	452.3	438.9
-70°	471.7	511.5	591.7	673.5	591.7	511.5	471.7	444.0	419.2	399.8	384.5
-72.5°	565.2	618.4	543.9	500.6	543.9	618.4	565.2	450.8	370.8	341.8	319.2
-75°	425.5	348.5	334.9	336.8	334.9	348.5	425.5	477.5	385.5	292.0	264.3
-77.5°	271.8	243.1	239.8	241.2	239.8	243.1	271.8	366.5	389.3	280.2	205.3
-80°	162.2	154.4	145.7	145.6	145.7	154.4	162.2	162.9	188.8	163.2	140.9
-82.5°	112.1	113.0	113.6	113.8	113.6	113.0	112.1	116.5	120.4	106.2	93.7
-85°	63.5	63.5	63.7	63.7	63.7	63.5	63.5	81.1	72.8	72.6	64.9
-87.5°	40.8	40.9	40.9	41.0	40.9	40.9	40.8	44.8	44.4	43.9	40.9
-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°	6.0	5.4	7.8	11.8	2.9	7.3	24.2	23.5	22.7	21.8	21.0
85°	42.7	39.2	40.9	41.3	40.0	38.7	45.3	48.7	46.9	45.1	43.5
82.5°	74.1	68.2	73.1	76.6	78.3	76.9	77.0	81.3	82.2	89.8	89.6
80°	117.3	116.9	119.6	121.4	125.2	127.3	129.0	131.5	139.6	153.4	156.4
77.5°	164.2	169.0	171.3	175.0	173.5	184.1	193.7	196.6	212.7	232.8	245.3
75°	236.6	231.7	230.2	232.2	237.0	252.2	273.2	280.5	311.3	346.3	354.6
72.5°	298.3	298.3	298.9	302.5	319.3	367.2	404.6	434.1	514.6	540.3	494.8
70°	375.9	370.7	370.3	385.1	431.3	557.1	666.9	789.4	821.1	783.1	728.1
67.5°	460.1	457.0	463.6	486.0	588.5	813.9	943.3	974.8	1027.6	910.8	908.5
65°	641.6	659.8	678.3	745.5	876.0	1038.9	1166.7	1173.9	1037.9	892.6	929.0
62.5°	966.2	1008.6	1032.9	1160.6	1206.5	1256.6	1326.2	1239.0	990.5	856.7	978.9
60°	1158.2	1190.3	1226.9	1271.5	1339.1	1426.5	1523.5	1409.1	1193.9	1122.2	1167.0
57.5°	1258.3	1285.3	1323.2	1367.9	1445.6	1547.4	1646.2	1599.6	1537.9	1499.5	1465.4
55°	1409.6	1509.4	1453.4	1477.0	1599.7	1707.0	1800.5	1827.2	1818.5	1871.6	1890.5
52.5°	1572.5	1606.2	1775.1	1898.9	1742.9	1873.7	2128.0	2252.1	2241.8	2352.9	2408.5
50°	2338.1	2715.4	2973.0	3161.8	3046.6	2824.1	3043.9	3429.3	3404.8	3428.6	3583.7
47.5°	4452.6	5398.3	5288.7	6452.4	6459.1	7739.4	7556.3	7729.9	7179.5	6076.1	5944.1
45°	13282.7	16569.0	17706.5	20325.8	19750.0	22709.0	23333.9	20346.7	18785.4	14011.6	9778.2
42.5°	44329.2	52421.9	53395.1	57258.6	57283.7	56584.0	57173.9	54492.7	45152.6	33807.2	21225.8
40°	113152.1	110937.2	114061.8	108897.4	105906.3	102246.2	97028.7	92757.8	84530.9	63685.4	42133.0
37.5°	148268.4	144303.5	144446.3	138786.2	132918.4	128653.2	122796.9	117231.3	109037.8	94590.1	67616.0
35°	152765.0	149906.3	149361.1	146554.2	141661.9	137521.1	134447.1	129937.0	123489.1	112113.4	91246.5
32.5°	141603.4	140433.7	140209.2	139967.6	137211.0	134539.6	132800.0	131816.2	128071.5	120583.9	104674.4
30°	122495.6	122502.0	122641.2	124317.7	123778.4	122319.7	121838.3	122172.5	121663.1	118653.1	109614.7
27.5°	103437.3	104211.6	105066.5	106664.4	108232.4	107883.2	108585.5	110362.7	111777.6	111539.0	106895.8
25°	89028.1	89998.3	91166.0	92949.6	95274.2	95880.0	96528.4	99207.8	101858.9	103554.8	102712.7
22.5°	78005.4	79346.0	80572.1	82333.0	84969.4	86314.1	87277.2	89813.1	92904.8	95482.0	96554.3
20°	70489.6	71549.6	72976.8	74452.2	77199.0	78965.4	79836.8	82163.4	85447.8	88498.4	90792.7
17.5°	65407.0	66467.5	67678.5	69088.2	71451.7	73612.0	74457.6	76518.5	79598.2	82825.5	85601.1
15°	61717.8	62731.8	63909.5	65159.4	67259.3	69459.1	70183.7	72076.2	75101.8	78281.5	80998.0
12.5°	58423.3	59412.1	60542.2	61643.9	63488.5	65694.5	66745.5	68400.6	71242.4	74352.2	77061.5
10°	55117.0	56157.5	57175.6	58171.5	59891.7	62087.4	63131.4	64692.8	67517.2	70595.1	73422.7
7.5°	51834.0	52828.6	53785.8	54800.4	56343.9	58482.5	59563.9	61124.6	63906.9	66995.0	69961.2
5°	48574.5	49626.0	50639.0	51658.5	53028.7	55225.7	56349.5	57848.8	60596.4	63619.4	66705.8
2.5°	45471.8	46633.2	47725.9	48753.0	50145.4	52339.3	53493.4	54960.3	57586.9	60562.2	63657.9
0°	42576.9	43810.1	44961.5	46140.1	47637.3	49830.8	50850.2	52292.7	54772.9	57735.5	60852.7
-2.5°	39876.9	41215.3	42513.2	43750.2	45421.0	47538.1	48486.1	49989.9	52470.2	55405.4	58351.8
-5°	37419.3	38814.8	40226.6	41617.8	43393.1	45329.0	46218.3	47856.8	50339.7	53130.7	56118.7
-7.5°	35227.4	36670.4	38145.1	39586.7	41390.1	43134.9	44041.5	45889.3	48261.6	50949.0	53840.7
-10°	33053.1	34573.4	36035.9	37372.2	39277.9	40940.8	41845.9	43779.2	46170.5	48805.0	51533.0
-12.5°	31126.6	32713.4	34188.5	35471.5	37499.4	39121.8	40276.0	42226.9	44630.1	47113.9	50022.6
-15°	29844.5	31393.4	32843.8	34260.9	36210.3	37453.7	38766.9	40686.6	42958.8	45152.2	47928.8
-17.5°	26518.2	27903.7	29251.2	30642.9	32507.5	33270.4	34529.7	36283.9	38251.2	40410.9	42758.4
-20°	21937.6	23092.6	24113.5	25416.4	26690.1	27392.3	28654.3	30230.1	31786.9	33608.4	35921.2



REPORT NUMBER: P902077 (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°	18642.4	19436.0	20207.7	21321.4	22200.0	22779.2	23960.1	25355.7	26742.8	28085.6	29823.1
-25°	16159.4	16648.4	17180.4	18085.0	18639.8	19318.5	20378.5	21604.7	22692.5	23581.3	24764.8
-27.5°	13732.4	13972.8	14341.0	15078.3	15403.5	16235.8	17204.4	17997.2	18613.8	19328.0	20261.5
-30°	11292.2	11357.1	11746.4	12210.3	12758.9	13587.1	14290.0	14761.2	15157.9	15826.7	16706.5
-32.5°	8605.9	8780.6	9263.5	9780.7	10487.3	11185.4	11615.0	11920.9	12350.0	12787.7	13324.2
-35°	5936.2	6336.7	6928.8	7611.2	8270.0	8738.1	8850.5	9018.2	9177.3	9416.1	9726.2
-37.5°	3890.1	4349.2	4877.1	5493.1	5909.9	5908.1	5890.6	5914.8	5951.2	6053.6	6249.3
-40°	2016.4	2781.4	3259.9	3650.8	3714.4	3594.8	3565.3	3412.6	3350.8	3469.7	3711.7
-42.5°	1273.2	1734.3	2286.8	2564.2	2582.0	2570.8	2476.4	2301.6	2269.1	2242.6	2295.5
-45°	1122.0	1151.5	1494.4	1802.8	1984.8	1936.8	1911.3	1805.6	1736.1	1571.6	1529.4
-47.5°	916.3	972.9	1247.5	1446.5	1508.0	1522.2	1463.4	1387.3	1300.5	1169.9	1256.9
-50°	935.0	978.6	1089.9	1263.3	1274.8	1278.0	1228.1	1158.3	1021.8	927.7	1024.9
-52.5°	926.7	959.0	1019.1	1160.2	1176.7	1131.4	1087.1	1000.6	868.9	793.0	824.7
-55°	870.1	906.9	1005.4	1098.1	1105.0	1043.6	981.7	900.2	778.2	706.1	698.3
-57.5°	885.6	907.9	1004.1	1095.5	1092.4	1028.4	971.2	833.8	695.8	630.3	611.5
-60°	842.3	883.2	949.9	1025.6	1055.0	972.6	920.2	759.9	609.5	559.7	538.2
-62.5°	694.3	709.0	774.7	806.8	791.7	770.9	706.8	595.5	514.2	488.3	477.3
-65°	549.3	561.6	599.1	600.6	591.7	577.3	531.3	468.1	437.8	433.3	420.8
-67.5°	437.5	443.0	458.2	474.0	456.3	430.7	399.3	373.4	371.3	374.0	367.1
-70°	367.0	352.4	366.2	367.2	354.3	341.0	332.5	322.9	318.3	321.1	309.4
-72.5°	298.5	277.0	275.3	285.6	285.9	283.0	286.1	283.5	274.6	263.7	253.5
-75°	250.6	227.6	225.9	233.4	230.4	232.5	225.6	220.8	216.1	200.2	189.4
-77.5°	190.2	174.9	176.7	174.8	169.3	166.1	163.6	161.8	155.8	152.6	154.5
-80°	134.5	131.6	128.4	126.4	133.3	131.5	130.0	125.9	121.7	120.9	121.0
-82.5°	91.8	89.7	87.2	85.1	86.5	87.1	93.5	90.0	86.2	82.3	79.1
-85°	60.9	60.2	59.4	58.5	57.6	57.2	56.3	54.3	53.0	51.7	50.4
-87.5°	39.6	39.2	38.8	38.4	37.9	37.4	36.8	36.1	34.9	33.5	32.2
-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: P902077 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WB-LTM

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°	24.6	29.2	27.7	26.1	24.4	22.7	21.0	19.2	17.4	15.6	20.5
85°	49.7	58.6	58.5	60.0	55.3	54.5	47.6	40.4	34.8	31.5	41.0
82.5°	98.3	110.1	103.0	101.7	93.4	99.8	89.4	78.7	67.8	57.5	60.9
80°	171.6	185.3	166.7	153.5	143.2	144.9	131.0	116.8	102.3	87.9	79.2
77.5°	259.9	267.0	231.3	211.5	199.2	191.7	172.4	154.6	136.5	117.6	96.8
75°	351.2	337.4	302.5	279.9	261.0	247.3	221.3	194.7	170.5	148.0	120.8
72.5°	470.2	437.8	389.2	363.0	345.2	317.0	272.2	241.2	209.7	178.4	149.2
70°	644.6	552.9	492.6	456.3	433.5	400.9	349.3	293.5	251.2	214.7	178.0
67.5°	875.2	667.6	586.7	550.6	528.8	504.0	428.9	358.3	299.8	251.2	209.7
65°	1027.0	804.1	712.4	652.6	648.4	624.8	529.7	430.7	356.3	290.4	241.2
62.5°	1039.4	963.5	873.5	822.5	805.1	787.6	646.2	525.8	416.8	332.2	272.2
60°	1167.6	1132.0	1068.2	1022.6	991.6	941.0	787.0	618.0	490.0	370.5	303.0
57.5°	1407.5	1351.2	1312.0	1251.1	1193.3	1076.3	899.7	707.6	553.7	419.0	332.1
55°	1830.2	1752.7	1655.5	1519.3	1397.2	1213.6	991.2	787.4	621.2	469.0	361.0
52.5°	2532.7	2526.5	2178.5	1862.1	1598.5	1333.8	1082.1	870.6	693.7	518.0	402.6
50°	3617.0	3642.0	3152.2	2334.6	1827.2	1482.5	1180.2	951.9	767.7	587.1	443.3
47.5°	5464.1	4953.8	4170.6	2945.7	2123.2	1637.1	1280.1	1037.8	836.2	652.2	481.0
45°	8308.6	6853.2	5138.8	3381.2	2358.7	1797.3	1409.5	1125.3	901.7	710.3	523.0
42.5°	12567.4	9489.7	6709.9	3888.8	2555.6	1926.0	1536.8	1217.2	973.1	764.5	565.9
40°	24977.3	14527.5	8915.0	4352.6	2714.7	2021.9	1644.2	1321.4	1047.0	817.7	603.4
37.5°	41720.9	24549.2	14580.9	6504.7	2961.4	2117.3	1731.8	1409.8	1116.0	869.9	635.9
35°	62409.8	37190.4	22436.1	8651.3	3330.9	2257.8	1815.6	1481.4	1183.9	923.0	672.2
32.5°	78748.0	51848.5	32983.6	16588.3	5224.7	2524.9	1925.4	1548.0	1250.0	975.0	712.8
30°	90649.6	63663.3	42021.0	24959.5	7107.6	2836.7	2039.7	1602.6	1308.3	1022.5	749.4
27.5°	93760.1	71697.6	50267.7	32195.3	12239.0	3829.2	2187.0	1646.6	1358.7	1061.3	781.4
25°	94727.4	77367.9	56218.1	39040.3	18572.4	5479.4	2427.9	1726.0	1395.7	1092.9	808.8
22.5°	92332.3	79709.6	60594.4	45750.7	24406.4	7144.9	2736.2	1792.9	1422.9	1121.6	834.2
20°	89039.5	80074.2	64044.9	49182.3	29803.7	9205.0	3101.9	1880.2	1449.0	1147.9	856.2
17.5°	85905.9	79810.1	66180.0	51553.7	34749.3	13843.0	3925.7	1970.7	1482.5	1174.8	873.9
15°	81980.9	77932.2	67185.3	53051.5	38820.1	18203.7	5466.0	2181.4	1528.3	1199.3	891.9
12.5°	78461.1	75609.8	66793.2	54005.9	41918.9	22127.8	7293.7	2634.6	1573.3	1225.0	912.0
10°	75273.2	73493.5	66184.3	54807.1	44028.6	25715.1	9130.7	3201.0	1679.7	1249.2	928.7
7.5°	72279.4	71437.9	65588.7	55355.1	44814.7	28796.0	11270.3	3945.3	1818.0	1268.1	941.9
5°	69177.0	69429.4	64867.0	55903.5	45509.8	31331.1	13349.0	4734.4	2002.7	1291.1	952.1
2.5°	66349.8	67455.4	64045.2	56226.2	46158.7	33313.8	15559.0	5702.7	2241.1	1312.6	958.2
0°	63697.0	65458.0	63146.2	56365.6	46690.7	34767.8	17547.7	6589.4	2457.4	1328.8	960.2
-2.5°	61344.6	63443.4	61991.1	56254.4	47087.1	35519.0	19170.8	7543.5	2835.6	1421.1	980.1
-5°	59118.7	61409.0	60685.2	55854.9	47197.4	35830.1	20419.3	8314.9	3146.2	1503.3	994.7
-7.5°	56927.8	59361.0	59279.0	55271.0	47054.8	35634.1	21056.4	9043.9	3541.3	1615.3	1002.9
-10°	54785.8	57494.8	57880.5	54606.8	46703.4	35207.0	21310.0	9576.9	3950.4	1832.0	1022.3
-12.5°	53161.8	55924.9	56952.0	53792.2	45746.0	34537.5	20901.4	9740.9	4290.5	1998.6	1031.4
-15°	50841.2	53772.1	54320.3	51689.1	43806.3	32625.0	20041.9	9620.1	4763.3	2183.4	1022.4
-17.5°	46004.1	47844.2	48892.1	46281.6	39770.9	29978.1	18067.2	9664.1	5156.7	2356.2	1003.3
-20°	38144.7	40383.0	41228.5	40018.5	34482.5	26291.2	16652.9	9783.9	5524.8	2377.5	965.1



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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°	31590.5	33228.3	34527.3	33837.5	29735.4	23136.3	15766.0	9920.7	5801.4	2188.0	894.8
-25°	26140.3	27487.1	28578.0	28370.6	25731.2	20739.7	15097.7	10087.5	5922.3	1739.7	838.2
-27.5°	21473.1	22623.8	23433.5	23563.6	22019.2	18840.9	14434.3	10173.4	5198.5	1526.3	802.7
-30°	17582.8	18387.5	19144.3	19438.5	19027.6	17124.6	13958.0	9176.4	4194.4	1360.8	758.2
-32.5°	13943.9	14622.6	15274.3	15978.5	16386.2	15803.9	12691.6	7376.0	3133.0	1173.8	704.7
-35°	10232.6	10904.5	11641.8	12611.7	13925.2	13559.9	10550.5	4936.6	1988.0	983.5	635.5
-37.5°	6747.3	7364.5	8059.9	9165.7	10205.8	9991.5	7530.6	3139.2	1397.4	836.2	562.1
-40°	4036.9	4531.5	5117.9	5825.1	6402.1	6168.6	4320.6	2169.7	1160.8	729.1	506.5
-42.5°	2359.8	2519.6	2757.4	3211.6	3713.3	3424.8	2113.2	1415.6	916.5	624.7	453.6
-45°	1579.6	1585.2	1682.2	1853.3	2071.6	2000.6	1545.7	1093.5	734.2	523.8	404.1
-47.5°	1253.3	1182.4	1204.8	1308.1	1393.4	1373.2	1163.7	866.5	626.9	472.0	365.2
-50°	1034.9	980.5	1026.0	1092.7	1165.3	1121.5	940.7	688.0	526.0	421.0	333.3
-52.5°	853.5	846.4	885.0	908.2	943.8	914.9	764.5	587.7	460.7	370.4	301.4
-55°	735.5	731.3	712.5	702.9	685.1	673.8	598.1	478.4	408.3	335.0	270.5
-57.5°	638.3	633.4	612.3	589.5	570.0	511.9	469.8	411.4	358.0	300.3	247.4
-60°	544.1	554.5	540.1	526.2	487.5	438.4	394.5	347.1	320.0	267.4	223.8
-62.5°	477.0	486.1	483.2	463.7	421.4	381.7	342.2	306.2	280.6	239.8	199.7
-65°	409.1	421.5	421.0	401.8	360.7	334.7	300.0	275.8	245.8	211.5	181.1
-67.5°	345.1	350.0	351.5	326.4	301.3	283.5	258.1	236.0	209.8	185.2	162.2
-70°	291.7	287.4	277.7	268.4	256.1	235.5	218.6	194.5	175.7	158.7	143.0
-72.5°	243.0	229.5	224.9	225.4	214.2	200.5	181.4	161.0	146.1	131.6	123.4
-75°	182.4	178.6	182.4	180.3	170.1	161.5	142.3	129.6	121.7	113.1	103.7
-77.5°	152.5	148.5	147.9	140.1	129.2	116.9	106.4	106.5	104.7	95.9	83.9
-80°	120.7	117.0	110.9	101.8	96.5	90.7	85.0	86.9	85.8	74.8	64.0
-82.5°	81.8	76.8	69.8	63.8	69.9	68.1	63.4	63.2	60.0	51.7	43.7
-85°	48.9	47.4	45.9	44.5	47.7	45.5	42.0	38.9	34.8	31.1	27.5
-87.5°	30.7	29.2	27.7	26.1	24.4	22.7	21.0	19.2	17.4	15.6	13.7
-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°	17.7	14.8	11.8	8.9	5.9	3.0	0.0
85°	35.3	29.5	23.7	17.8	11.9	5.9	0.0
82.5°	52.9	44.2	35.5	26.7	17.8	8.9	0.0
80°	65.1	57.4	47.2	35.5	23.7	11.8	0.0
77.5°	76.6	67.1	57.4	44.2	29.5	14.8	0.0
75°	88.1	76.6	65.3	52.9	35.3	17.7	0.0
72.5°	112.1	86.1	73.2	59.9	41.0	20.5	0.0
70°	140.1	102.2	81.1	66.5	46.6	23.3	0.0
67.5°	167.6	125.2	89.0	73.0	52.2	26.1	0.0
65°	194.7	147.8	101.6	79.5	57.0	28.8	0.0
62.5°	221.3	170.0	117.5	86.0	61.3	31.5	0.0
60°	247.3	190.4	132.4	92.3	65.3	34.1	0.0
57.5°	272.7	208.1	146.1	98.9	69.2	36.7	0.0
55°	296.8	224.4	158.5	108.0	72.9	39.1	0.0
52.5°	319.8	239.2	170.2	116.9	76.3	41.5	0.0
50°	343.4	254.7	183.5	125.3	79.6	43.9	0.0
47.5°	368.3	276.9	197.2	133.5	82.6	46.1	0.0
45°	395.7	298.1	211.0	141.2	85.4	48.3	0.0
42.5°	420.0	318.1	223.7	148.6	88.0	50.3	0.0
40°	442.4	337.0	235.5	155.4	90.3	52.3	0.0
37.5°	465.0	354.7	246.3	162.0	92.3	54.1	0.0
35°	490.8	371.1	257.6	169.3	95.7	55.5	0.0
32.5°	515.1	386.6	268.5	176.4	99.5	56.6	0.0
30°	534.9	401.7	278.4	182.8	103.0	57.6	0.0
27.5°	554.3	416.3	288.1	188.6	106.8	58.6	0.0
25°	573.1	430.2	297.3	193.7	110.3	59.4	0.0
22.5°	590.2	442.4	305.8	198.2	113.5	60.2	0.0
20°	608.1	450.1	313.7	202.0	116.4	61.0	0.0
17.5°	628.3	455.4	320.8	205.7	119.0	61.6	0.0
15°	645.4	459.5	327.2	209.0	121.2	62.1	0.0
12.5°	659.6	463.8	330.8	211.9	123.1	62.6	0.0
10°	670.7	468.8	332.5	214.2	124.6	63.0	0.0
7.5°	679.8	473.8	332.9	216.1	125.8	63.3	0.0
5°	686.4	477.0	332.2	217.4	126.7	63.5	0.0
2.5°	690.4	478.4	330.5	218.1	127.2	63.7	0.0
0°	691.7	477.9	327.7	218.4	127.4	63.7	0.0
-2.5°	692.8	476.9	327.2	216.4	127.2	63.7	0.0
-5°	691.0	473.9	325.8	213.8	126.7	63.5	0.0
-7.5°	686.1	469.0	323.3	210.9	125.8	63.3	0.0
-10°	677.3	462.1	319.7	207.6	124.6	63.0	0.0
-12.5°	663.3	452.3	314.9	204.0	123.1	62.6	0.0
-15°	645.7	439.6	308.6	200.2	121.2	62.1	0.0
-17.5°	624.3	427.4	300.7	196.2	119.0	61.6	0.0
-20°	600.6	415.8	292.0	192.2	116.4	61.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	579.5	403.0	282.7	188.3	113.5	60.2	0.0
-25°	557.4	389.0	272.7	184.0	110.3	59.4	0.0
-27.5°	532.1	373.9	262.0	179.1	106.8	58.6	0.0
-30°	503.3	357.6	250.7	173.7	103.0	57.6	0.0
-32.5°	469.8	340.4	237.5	167.8	98.8	56.6	0.0
-35°	432.4	322.0	223.5	161.4	94.4	55.5	0.0
-37.5°	397.6	302.4	210.1	154.4	90.4	54.1	0.0
-40°	371.3	282.1	200.0	146.9	87.9	52.3	0.0
-42.5°	344.0	261.8	189.6	139.3	85.3	50.3	0.0
-45°	315.7	241.4	179.0	131.5	82.5	48.3	0.0
-47.5°	286.5	221.1	168.1	123.7	79.6	46.1	0.0
-50°	262.8	200.9	157.8	115.8	76.7	43.9	0.0
-52.5°	240.9	188.5	147.6	107.8	73.6	41.5	0.0
-55°	220.0	176.5	137.9	99.7	70.4	39.1	0.0
-57.5°	200.0	164.1	128.0	91.6	67.1	36.7	0.0
-60°	184.8	151.4	117.8	86.3	63.7	34.1	0.0
-62.5°	169.2	138.4	107.4	81.1	60.2	31.5	0.0
-65°	153.2	125.1	96.7	75.8	56.6	28.8	0.0
-67.5°	137.0	111.5	87.5	70.3	52.2	26.1	0.0
-70°	120.4	97.7	80.2	64.8	46.6	23.3	0.0
-72.5°	103.7	86.1	72.7	59.1	41.0	20.5	0.0
-75°	87.5	76.6	65.1	52.9	35.3	17.7	0.0
-77.5°	73.5	67.1	57.4	44.2	29.5	14.8	0.0
-80°	59.2	57.4	47.2	35.5	23.7	11.8	0.0
-82.5°	44.5	44.2	35.5	26.7	17.8	8.9	0.0
-85°	29.5	29.5	23.7	17.8	11.9	5.9	0.0
-87.5°	14.7	14.8	11.8	8.9	5.9	3.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)