

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: P902103 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/13/2024

Test Information

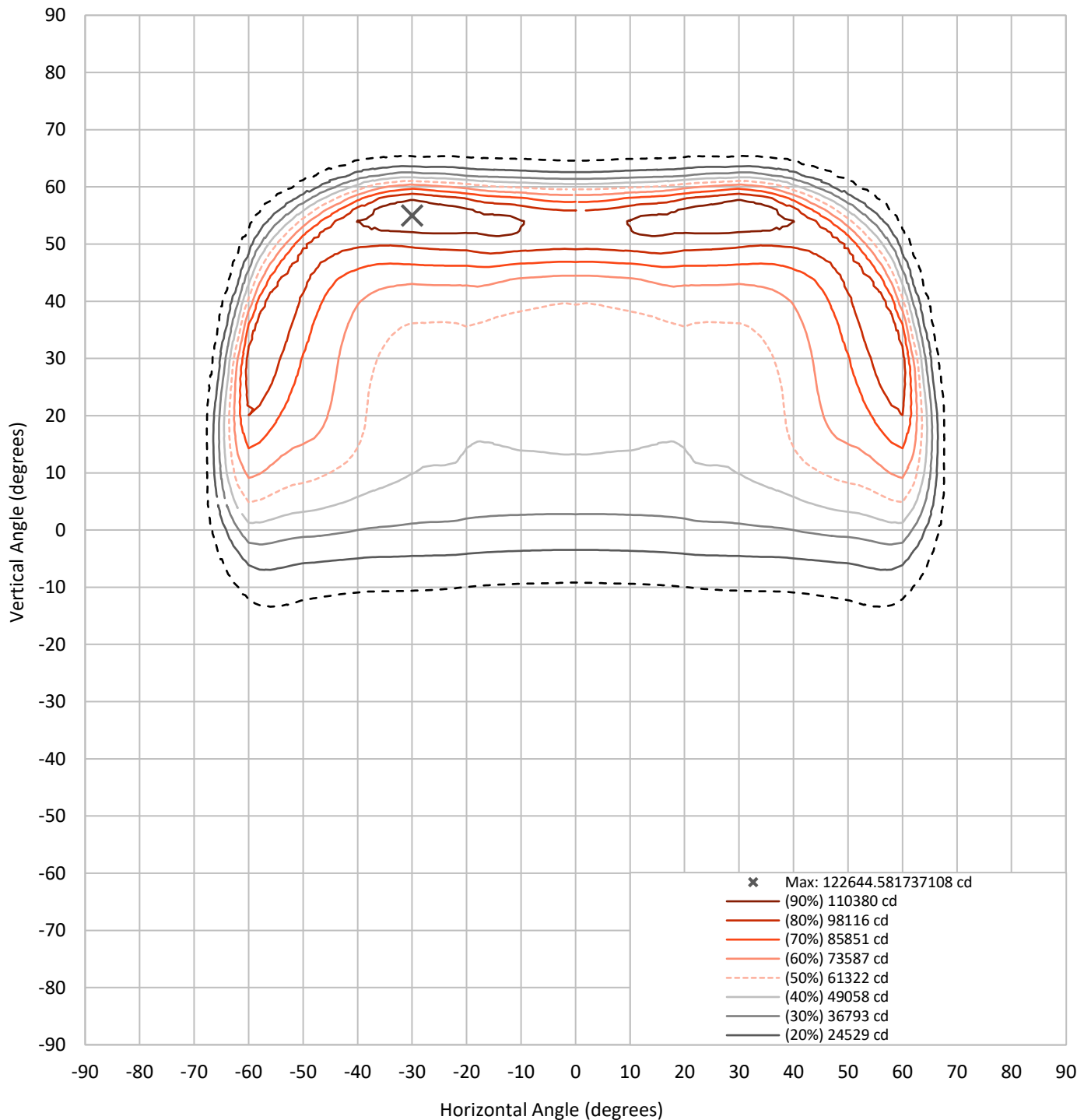
Test Method: LM-79-08
Report Number: P902103 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVA2202019)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A55-WB-LT
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A55-WB-LT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	149494.6 lumens	Max Intensity:	122644.6 candela
Efficiency:	N/A	Max Intensity Angle:	-30°H x 55°V
Efficacy:	105.8 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	98.8°H x 24.9°V	Field Angle (10%):	116.4°H x 75.5°V
Beam Lumens:	78601.7 lumens	Field Lumens:	138183.6 lumens
Beam Efficiency:	52.6%	Field Efficiency:	92.4%
Input Watts (W):	1413		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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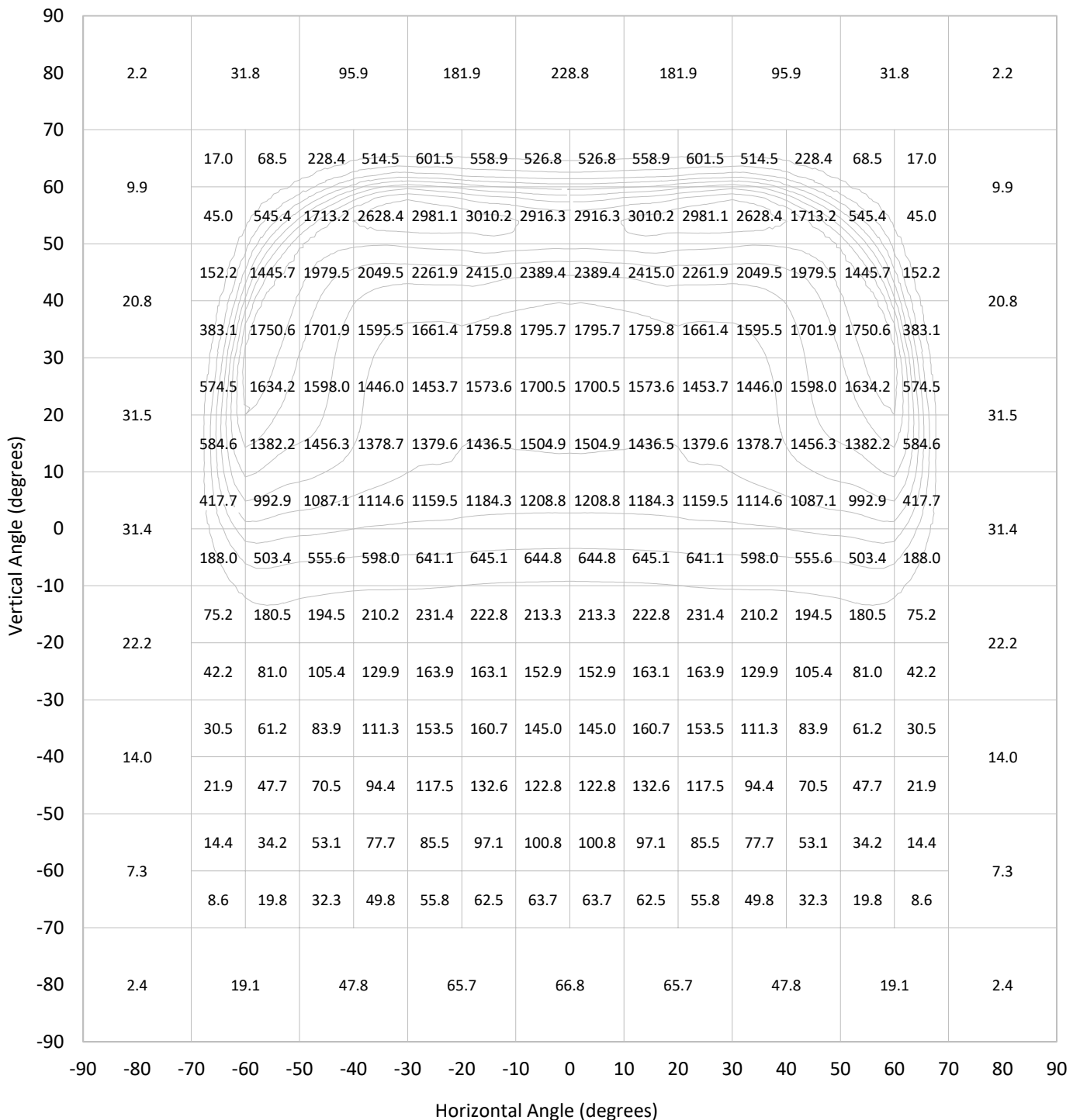
Iso-Candela Plot





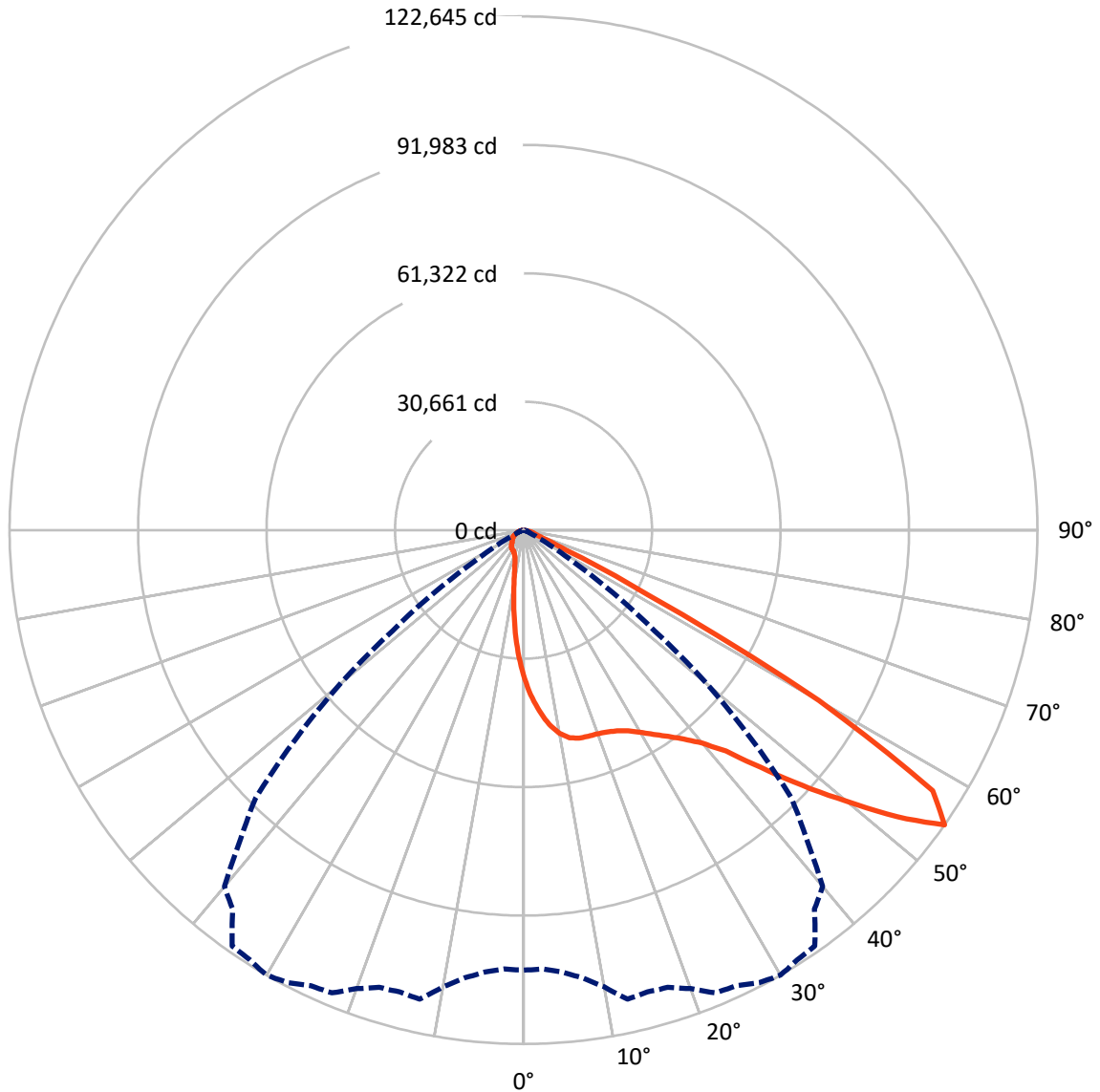
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Lumen Table



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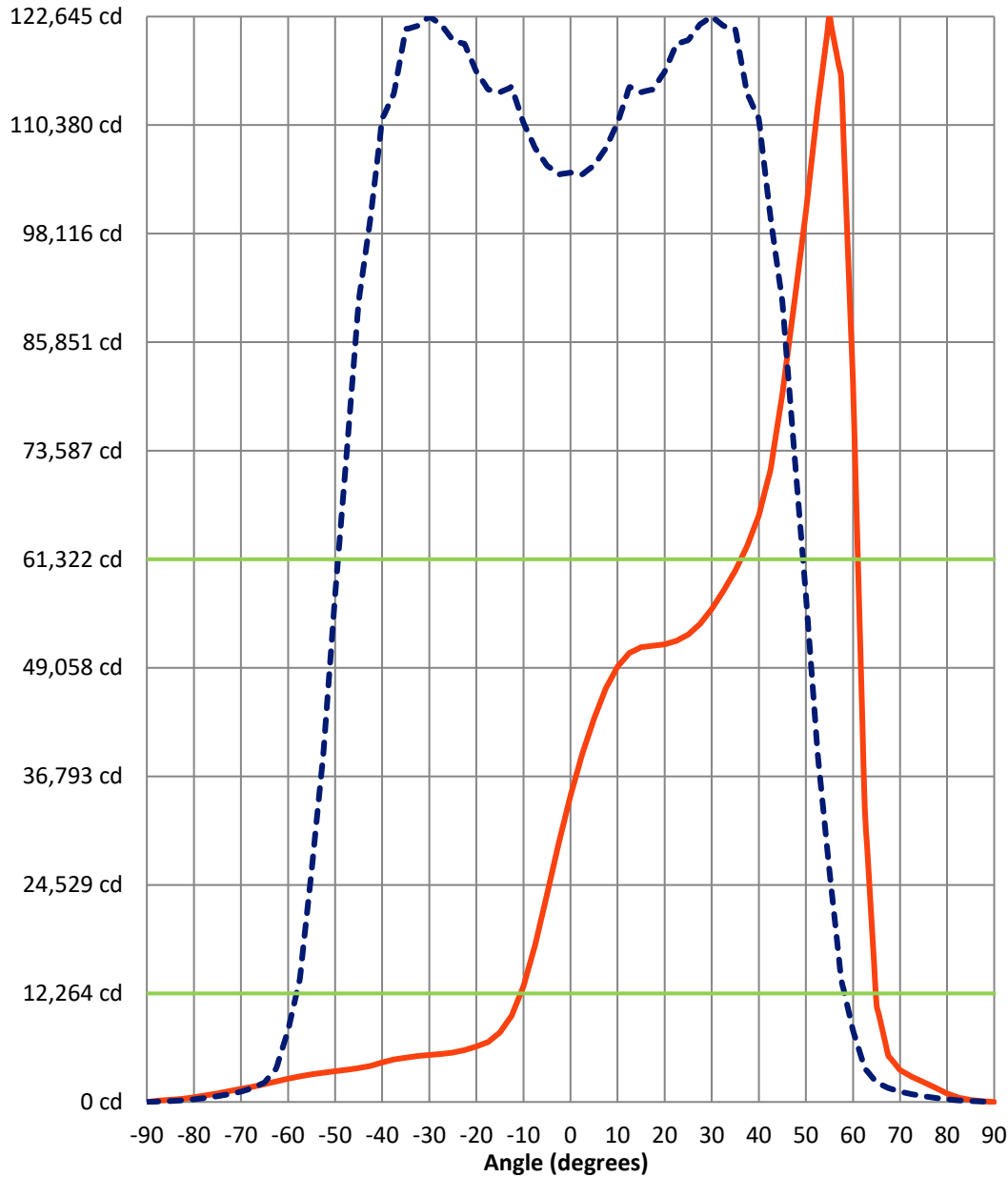
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 98.8°
 V Angle: 24.9°
 Lumens: 78601.7
 Efficiency: 52.6%

Field:
 H Angle: 116.4°
 V Angle: 75.5°
 Lumens: 138183.6
 Efficiency: 92.4%

Spill:
 Lumens: 11310.9
 Efficiency: 7.6%

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



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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	4.1	8.1	12.2	16.2	19.7	23.5	26.7	30.3	34.8	40.4
85°	0.0	8.1	16.2	24.3	32.3	39.4	47.0	53.3	60.6	69.5	84.5
82.5°	0.0	12.2	24.3	36.4	48.4	59.0	70.5	86.2	107.0	132.3	161.4
80°	0.0	16.2	32.3	48.4	64.5	80.8	104.9	131.1	161.3	197.2	248.4
77.5°	0.0	20.2	40.3	60.4	81.7	108.1	140.0	175.4	226.1	297.2	377.9
75°	0.0	24.1	48.2	72.2	101.2	134.8	174.5	238.2	316.9	404.5	512.2
72.5°	0.0	28.0	56.0	85.3	120.3	160.9	226.6	310.8	405.2	521.1	662.4
70°	0.0	31.9	63.7	98.6	139.0	195.5	283.6	381.3	502.2	639.7	818.6
67.5°	0.0	35.7	71.3	111.5	157.2	239.2	338.9	460.1	597.4	767.9	994.1
65°	0.0	39.4	79.0	124.0	182.6	281.5	397.9	538.1	698.3	905.2	1178.9
62.5°	0.0	43.0	86.7	136.2	213.9	322.3	461.1	613.6	808.8	1043.3	1400.7
60°	0.0	46.6	94.2	148.0	244.2	366.5	522.2	704.6	913.7	1209.2	1628.5
57.5°	0.0	50.1	101.4	160.0	273.2	415.0	580.9	792.8	1040.6	1365.3	1922.8
55°	0.0	53.5	108.4	179.6	300.9	461.8	653.6	878.3	1166.0	1580.7	2208.5
52.5°	0.0	56.8	115.2	198.3	329.0	506.6	723.9	977.8	1283.9	1778.8	2756.9
50°	0.0	59.9	121.7	216.0	362.5	549.1	791.1	1074.8	1438.1	1993.3	3175.3
47.5°	0.0	63.0	127.8	232.5	394.0	601.6	857.2	1166.8	1576.1	2292.1	4100.0
45°	0.0	65.9	133.7	248.0	422.6	651.4	933.7	1268.8	1712.1	2545.4	4889.8
42.5°	0.0	68.7	139.2	262.4	449.1	698.4	1006.8	1383.6	1918.2	2893.0	5838.7
40°	0.0	71.4	144.4	275.4	473.2	742.3	1076.9	1494.2	2101.1	3195.3	8578.5
37.5°	0.0	74.0	149.3	287.1	495.0	783.2	1144.4	1599.8	2260.0	3475.8	10422.8
35°	0.0	76.3	156.0	300.8	520.3	828.5	1221.4	1726.8	2466.5	4204.4	13360.1
32.5°	0.0	78.6	162.9	314.4	545.5	873.4	1300.4	1860.7	2688.0	5147.0	18415.8
30°	0.0	80.6	169.2	326.5	567.9	914.4	1373.2	1980.2	2886.0	5809.5	21830.4
27.5°	0.0	82.5	174.9	337.1	587.1	951.5	1433.6	2086.1	3056.8	6076.7	24078.5
25°	0.0	84.2	180.0	346.2	603.4	984.5	1485.7	2178.6	3233.7	7456.8	31146.8
22.5°	0.0	85.8	184.5	353.7	616.9	1012.4	1531.3	2265.1	3508.8	9121.5	36321.9
20°	0.0	87.2	188.4	359.7	627.5	1033.3	1575.5	2355.0	3689.1	9932.1	40120.0
17.5°	0.0	88.4	191.6	365.1	635.3	1049.4	1615.0	2426.3	3829.4	10153.5	42227.8
15°	0.0	89.5	194.3	369.4	640.4	1063.2	1639.3	2471.5	3918.6	10031.8	42551.3
12.5°	0.0	90.4	196.4	372.2	642.5	1074.6	1652.9	2488.6	3972.0	9407.1	41215.6
10°	0.0	91.1	197.8	373.8	641.6	1076.8	1656.3	2488.2	3999.2	10125.0	38724.8
7.5°	0.0	91.7	198.7	374.0	638.0	1070.7	1645.6	2470.3	3995.1	10403.9	34931.0
5°	0.0	92.1	199.1	372.9	632.0	1059.1	1624.6	2432.6	3926.5	9960.8	30309.8
2.5°	0.0	92.3	198.9	370.6	623.6	1042.2	1595.2	2380.5	3815.6	9116.8	25168.3
0°	0.0	92.3	198.2	367.2	613.0	1020.3	1558.2	2315.4	3677.0	7876.4	19470.3
-2.5°	0.0	92.4	197.9	365.4	607.0	1000.5	1523.3	2239.0	3505.0	6992.6	15735.7
-5°	0.0	92.3	197.1	362.6	599.2	976.0	1482.3	2152.5	3313.9	6039.4	11933.2
-7.5°	0.0	92.0	195.9	358.7	589.5	946.9	1436.1	2057.6	3112.1	5229.2	9636.7
-10°	0.0	91.6	194.1	353.8	578.2	913.3	1385.5	1962.1	2910.9	4538.4	7670.9
-12.5°	0.0	91.0	191.9	347.8	565.3	880.3	1331.2	1862.5	2703.2	3964.3	6297.2
-15°	0.0	90.2	189.3	340.9	551.9	850.0	1273.2	1759.1	2508.6	3620.4	5236.0
-17.5°	0.0	89.3	186.2	333.1	539.9	822.2	1212.1	1664.2	2333.4	3282.5	4481.7
-20°	0.0	88.2	182.7	324.7	526.3	796.1	1152.9	1575.0	2159.8	2991.4	3983.4



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

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	86.9	178.7	316.5	511.3	767.8	1103.1	1483.4	2004.9	2737.0	3542.7
-25°	0.0	85.5	174.4	307.4	494.8	740.4	1054.3	1402.0	1864.2	2498.3	3220.7
-27.5°	0.0	84.0	169.7	297.3	476.9	711.6	1005.2	1336.1	1754.0	2311.4	2928.5
-30°	0.0	82.3	164.6	286.3	457.8	680.2	955.9	1266.3	1652.8	2153.7	2703.0
-32.5°	0.0	80.4	159.4	274.5	438.0	646.2	904.3	1192.8	1555.8	2000.0	2500.5
-35°	0.0	78.4	153.8	261.8	416.9	609.8	849.8	1118.0	1455.1	1854.3	2309.3
-37.5°	0.0	76.2	148.3	249.6	396.0	574.2	795.6	1047.8	1358.9	1722.2	2137.6
-40°	0.0	73.7	143.9	240.0	377.3	543.7	745.0	981.1	1266.6	1599.1	1965.8
-42.5°	0.0	71.0	139.3	230.0	357.6	511.9	694.3	910.5	1168.8	1467.2	1788.8
-45°	0.0	68.2	134.3	219.7	337.0	479.1	642.4	836.3	1065.9	1338.0	1635.8
-47.5°	0.0	65.3	129.1	208.8	315.4	445.2	588.6	766.8	977.6	1216.8	1486.6
-50°	0.0	62.2	123.7	197.4	293.0	410.4	545.4	703.4	887.1	1094.5	1340.8
-52.5°	0.0	59.0	118.0	185.6	269.8	381.8	503.6	638.9	795.0	988.4	1207.0
-55°	0.0	55.6	112.2	173.2	252.0	352.7	461.4	575.4	722.3	887.3	1070.4
-57.5°	0.0	52.2	106.1	160.5	235.0	323.2	419.5	528.3	649.3	788.1	957.5
-60°	0.0	48.6	99.7	150.6	217.5	293.1	385.0	481.2	579.7	706.3	843.2
-62.5°	0.0	44.9	93.3	140.7	199.4	267.0	349.7	433.4	526.0	622.5	744.6
-65°	0.0	41.2	86.6	130.4	180.8	243.6	313.5	391.4	470.9	555.8	646.8
-67.5°	0.0	37.3	79.2	119.8	163.8	219.4	280.3	348.5	418.9	492.6	567.5
-70°	0.0	33.4	70.9	108.9	148.5	194.5	249.6	305.6	368.7	432.0	495.7
-72.5°	0.0	29.4	62.5	97.7	132.8	171.4	218.2	268.1	318.4	373.6	428.1
-75°	0.0	25.3	53.9	85.8	116.7	150.1	187.5	229.9	273.8	317.4	362.2
-77.5°	0.0	21.2	45.1	71.9	100.3	128.4	160.2	193.0	228.4	267.1	303.8
-80°	0.0	17.0	36.2	57.8	81.5	106.2	132.4	158.9	186.8	217.2	247.8
-82.5°	0.0	12.8	27.2	43.5	61.4	80.8	103.6	124.3	146.5	170.2	193.2
-85°	0.0	8.5	18.2	29.1	41.0	54.0	69.3	84.7	102.4	121.5	138.5
-87.5°	0.0	4.3	9.1	14.5	20.5	27.1	34.7	42.4	51.3	60.9	70.2
-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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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WB-LT

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°	46.2	53.5	59.9	65.2	69.2	71.7	75.3	77.3	78.9	78.5	79.4
85°	104.2	126.8	148.2	166.0	179.1	188.9	197.7	203.7	207.2	209.1	210.4
82.5°	194.6	229.6	264.5	308.1	341.8	368.1	388.6	395.8	401.4	407.5	422.5
80°	318.2	386.4	454.5	519.1	565.8	612.7	654.3	687.1	722.3	752.3	779.4
77.5°	470.4	569.4	689.5	792.6	855.4	912.7	991.0	1054.1	1112.5	1175.6	1246.5
75°	653.1	809.7	965.6	1114.7	1222.1	1319.9	1398.4	1487.3	1587.0	1686.5	1753.0
72.5°	838.3	1061.0	1285.2	1484.0	1627.3	1754.7	1887.2	2021.4	2179.4	2294.4	2359.0
70°	1058.7	1320.6	1616.5	1886.0	2049.3	2291.6	2526.6	2690.1	2989.0	3184.4	3289.2
67.5°	1281.4	1626.9	1964.9	2400.7	2688.2	3021.5	3450.4	3793.4	4300.8	4709.9	4756.9
65°	1553.9	1983.7	2563.1	3045.8	3734.6	4159.6	5236.2	5940.0	7027.3	9032.2	9615.3
62.5°	1869.6	2556.2	3529.9	4679.9	5857.3	7623.2	9530.6	14129.1	16380.0	23339.9	27011.4
60°	2277.4	3509.6	5295.2	8106.6	10602.5	16506.0	22512.2	32680.3	42820.0	53426.6	65174.8
57.5°	2894.6	4943.8	9072.2	13312.4	22687.5	32056.2	47321.7	60821.6	75778.2	89516.9	99532.1
55°	3820.6	8098.6	13903.4	26133.0	39389.4	57271.2	73640.1	90417.0	99883.0	111036.4	114025.0
52.5°	5169.6	11891.0	25891.6	41673.8	61053.9	79295.7	95229.3	103734.3	108089.1	109841.5	110576.2
50°	7294.0	19271.1	38537.8	60783.5	79693.6	95883.5	104366.7	104099.2	102584.0	100386.4	99624.1
47.5°	9677.6	26892.2	55092.6	77243.9	94573.1	103254.5	102151.5	97877.1	92734.0	91101.1	89444.9
45°	14656.9	38762.2	69803.0	92606.5	102239.3	102424.8	97064.3	89595.9	86058.7	84021.2	81618.5
42.5°	18486.0	51330.6	84154.6	101219.9	105005.5	99824.2	91315.7	85462.4	81895.9	78867.9	75505.8
40°	27671.0	64173.8	97003.9	109079.6	104696.8	95814.8	87904.6	82597.8	78967.1	74268.8	70924.0
37.5°	35827.4	78336.2	104453.1	108980.6	101902.7	92517.3	85159.3	80487.0	76152.8	71479.7	68150.1
35°	44211.5	90927.8	111495.5	108838.7	98196.0	89478.3	83289.2	79065.3	74205.4	69601.6	66307.6
32.5°	55828.5	97235.0	110872.2	105067.1	95062.6	87260.1	81995.5	77821.8	72684.9	68104.8	64695.9
30°	66157.2	102689.8	110928.5	101054.7	91717.8	85175.1	81081.8	76788.8	71396.3	67027.3	62924.9
27.5°	72996.9	104791.8	107701.0	97748.7	89308.4	83741.1	80221.4	75931.5	70626.7	66085.1	61644.5
25°	75749.1	102149.1	103585.7	94259.1	87036.5	82299.7	79452.9	75113.1	69868.2	65408.5	60577.5
22.5°	77609.2	100441.5	98947.4	90699.5	84545.5	80956.7	78303.6	74049.5	69406.9	64774.4	60156.0
20°	78486.1	98044.1	94725.4	87108.9	82176.1	79194.4	77079.8	72690.1	68649.5	64181.3	59652.2
17.5°	77493.1	92796.7	89745.1	83255.9	78969.5	76784.1	75129.2	71014.0	67453.4	63299.4	59221.8
15°	74098.5	87350.1	84688.2	78928.6	75083.4	73692.8	71907.8	68696.7	65596.0	61815.2	58191.7
12.5°	69712.6	82036.0	79469.5	74065.6	71006.0	69726.0	68046.6	65359.7	62888.0	59579.6	56590.5
10°	64767.0	76003.7	73574.4	69078.5	66327.3	65060.2	63577.8	61126.6	59029.1	56284.2	53897.4
7.5°	58120.4	69356.7	67489.6	63474.3	60789.5	59750.5	58512.9	56423.5	54559.0	52194.0	50317.6
5°	50757.2	61920.9	60374.1	57013.4	54718.4	53796.4	52788.4	51052.6	49491.0	47601.2	46062.5
2.5°	42292.1	53458.8	52815.2	50162.7	48162.6	47268.4	46577.8	45137.7	43934.9	42467.8	41300.5
0°	33363.1	44461.6	44909.4	42900.2	41156.8	40414.5	39998.0	38836.9	37996.7	36804.6	35909.3
-2.5°	26164.3	35729.8	37063.0	35543.3	33969.8	33049.3	32783.3	32016.5	31395.7	30643.5	29959.2
-5°	19082.3	27447.2	29839.0	28867.7	27437.5	26400.7	26084.4	25318.1	24877.9	24312.6	23797.9
-7.5°	14948.8	20947.8	23408.7	22845.5	21622.9	20561.2	19961.0	19253.7	18807.6	18381.7	17941.8
-10°	11160.4	15617.8	18117.3	17810.7	16584.9	15669.7	15000.5	14360.3	13875.8	13528.1	13220.2
-12.5°	8925.6	11543.8	13297.7	13614.2	12714.8	11798.1	11307.7	10792.3	10359.8	10031.3	9856.0
-15°	6975.3	8875.5	9945.8	10002.8	9692.4	9024.9	8703.5	8389.9	8084.8	7812.4	7666.3
-17.5°	5790.4	6870.0	7598.3	7678.3	7384.8	7133.7	6935.8	6889.1	6675.6	6492.8	6433.1
-20°	4834.3	5702.8	6005.8	6115.7	5959.8	5865.2	5827.9	5914.2	5840.7	5751.6	5710.1



REPORT NUMBER: P902103 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WB-LT

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	4295.3	4781.4	5099.4	5042.0	5132.1	5054.8	5143.6	5263.1	5308.7	5325.8	5308.4
-25°	3820.0	4269.2	4414.2	4528.2	4543.2	4589.4	4695.5	4832.0	4965.2	4975.5	4998.5
-27.5°	3499.7	3841.5	4089.1	4138.9	4179.6	4266.6	4383.7	4500.4	4605.0	4673.9	4714.6
-30°	3213.9	3595.7	3819.1	3892.8	3929.2	4009.5	4125.7	4240.9	4350.2	4446.3	4514.9
-32.5°	2975.7	3365.1	3636.6	3722.3	3750.8	3828.4	3923.5	4023.9	4146.2	4252.2	4384.4
-35°	2770.9	3167.8	3461.9	3553.1	3586.2	3665.2	3760.9	3858.9	4000.6	4139.9	4272.5
-37.5°	2571.9	2967.4	3249.3	3361.9	3402.1	3494.1	3617.3	3722.5	3872.1	4016.0	4159.6
-40°	2369.5	2760.6	3046.2	3177.3	3240.2	3344.1	3478.1	3595.4	3736.8	3869.6	4015.5
-42.5°	2163.6	2548.0	2817.3	2951.0	3049.5	3184.9	3325.4	3446.8	3585.9	3721.3	3861.3
-45°	1972.4	2330.2	2598.8	2748.6	2866.9	2997.6	3133.7	3258.6	3437.0	3581.8	3716.6
-47.5°	1786.6	2116.9	2383.9	2566.9	2683.7	2800.1	2930.3	3082.1	3269.5	3440.3	3615.4
-50°	1619.6	1907.4	2170.3	2379.6	2501.1	2604.6	2709.6	2854.7	3075.5	3275.1	3478.9
-52.5°	1451.1	1703.9	1959.9	2172.4	2324.4	2424.7	2520.2	2632.8	2841.5	3080.6	3296.2
-55°	1292.2	1523.2	1768.6	1996.5	2146.0	2230.0	2307.1	2406.3	2603.7	2849.7	3104.7
-57.5°	1137.2	1350.2	1595.9	1823.5	1949.3	2019.5	2083.0	2176.8	2363.6	2609.7	2885.2
-60°	997.2	1176.2	1417.9	1631.7	1728.6	1780.5	1849.5	1959.4	2133.6	2360.4	2632.6
-62.5°	863.2	1009.0	1211.3	1407.3	1486.8	1522.1	1601.7	1716.6	1856.8	2058.0	2289.4
-65°	747.2	844.6	1004.5	1135.4	1219.4	1257.4	1352.4	1470.4	1591.6	1750.9	1940.4
-67.5°	639.0	720.6	802.3	925.5	992.6	1052.9	1138.9	1233.2	1341.4	1469.0	1621.7
-70°	555.5	609.8	680.1	755.6	814.2	875.3	945.0	1012.4	1093.4	1187.6	1305.2
-72.5°	476.7	526.0	574.5	618.2	671.0	719.0	765.7	818.0	875.8	927.8	987.6
-75°	405.8	446.4	485.5	525.7	559.1	590.6	624.2	666.0	705.5	735.7	765.2
-77.5°	337.2	372.1	407.9	438.4	465.7	492.6	517.8	543.6	571.6	589.8	606.3
-80°	276.4	304.1	331.6	354.7	375.0	393.1	412.7	430.2	452.4	463.8	483.1
-82.5°	215.5	237.0	256.3	274.9	290.0	299.7	310.8	319.8	332.7	337.4	339.3
-85°	154.5	170.4	184.2	195.5	205.4	211.5	217.0	221.0	229.0	235.8	241.5
-87.5°	79.8	89.8	99.0	105.7	112.1	118.4	126.0	133.5	139.2	143.0	148.0
-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: P902103 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WB-LT

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°	81.4	83.1	84.3	85.4	85.9	85.8	85.2	84.1	83.3	82.0	80.3
85°	216.1	221.0	224.9	233.6	240.9	245.0	241.8	240.3	242.0	238.8	230.3
82.5°	445.3	460.7	482.2	533.2	565.7	571.8	581.8	601.2	618.4	637.3	650.1
80°	809.6	868.2	957.5	1092.1	1139.2	1103.3	1163.8	1262.0	1306.7	1380.0	1468.6
77.5°	1314.3	1438.9	1610.8	1793.5	1829.7	1831.1	1970.2	2099.9	2116.8	2180.9	2269.6
75°	1842.3	2035.2	2242.3	2446.2	2523.9	2568.1	2734.6	2955.8	3031.0	3112.3	3221.4
72.5°	2502.8	2697.5	2848.4	2975.2	3130.3	3343.9	3598.0	3905.3	4095.5	4242.7	4439.8
70°	3399.9	3526.9	3610.7	3698.6	3821.2	4140.6	4551.4	4931.2	5140.4	5270.3	5412.2
67.5°	5046.3	5278.5	5251.2	5244.5	5579.3	5939.7	6225.1	6392.5	6427.7	6415.1	6449.6
65°	10454.1	11391.5	11039.0	10283.3	11156.6	11194.3	10762.5	10052.7	9667.9	9731.9	9628.3
62.5°	29222.7	34257.0	33385.5	30924.2	32033.8	30410.5	27194.6	25531.6	25871.1	25097.6	24266.4
60°	73503.2	77872.5	81379.6	78993.0	75422.6	73272.6	70022.6	65321.2	62542.3	60790.3	59855.2
57.5°	109750.8	113135.5	115744.5	113664.8	110104.6	108143.3	104540.0	100540.4	97573.3	96356.9	94272.8
55°	121187.1	121594.2	122644.6	121757.6	119989.5	119533.4	116425.5	114421.0	114101.7	114657.1	110659.2
52.5°	111786.2	112004.5	112376.1	113279.1	113031.3	112948.5	112430.3	112251.8	113910.9	113387.7	111179.5
50°	98925.1	99338.1	100561.2	101513.0	102335.9	102661.6	103141.6	104908.1	106691.3	105517.8	104380.4
47.5°	88644.2	89195.1	90147.1	90828.6	91240.5	91523.3	91802.4	93344.7	94291.1	92125.8	91188.3
45°	80377.3	80283.4	79993.0	80342.8	80526.5	80465.1	80173.3	81108.1	80195.2	77839.4	76691.1
42.5°	73609.4	72399.7	71487.6	72078.9	72200.0	72301.0	72410.5	73262.7	71230.1	69251.8	68372.6
40°	68704.4	66848.4	66277.6	66686.2	66914.6	66948.4	67566.6	67572.6	65681.2	64492.6	63670.4
37.5°	65513.3	63333.5	62797.2	62826.4	62785.0	62837.5	63717.1	63143.4	61529.6	60893.2	60273.5
35°	63192.0	61079.6	60033.7	59816.1	59446.7	59590.0	60503.1	59656.4	58828.0	58563.3	58304.4
32.5°	60999.5	58984.1	57767.6	57183.2	56767.3	57106.5	58019.6	57300.7	57168.8	57397.8	57711.6
30°	59356.1	57094.5	55701.4	55001.9	54700.1	55416.7	56209.3	55862.0	56151.5	56809.0	57497.6
27.5°	58010.7	55645.4	54008.2	53302.2	53115.0	54194.7	54782.6	54553.5	55093.2	55856.8	56668.2
25°	57134.9	54609.7	52813.0	52071.1	52024.9	52957.1	53314.1	53043.6	53436.6	54072.0	54837.5
22.5°	56663.3	53998.9	52106.3	51184.0	51155.1	51944.7	51633.1	51341.9	51604.5	51991.3	52631.1
20°	56374.8	53673.2	51709.2	50722.7	50580.6	51065.8	50338.2	50133.2	50386.9	50675.7	51030.7
17.5°	56149.9	53491.4	51549.0	50507.3	50401.6	50694.6	49687.7	49404.9	49661.3	50004.4	50337.6
15°	55528.1	53174.2	51383.0	50396.0	50393.7	50400.0	49297.9	48948.0	49133.8	49372.4	49726.1
12.5°	54358.9	52302.8	50728.0	49677.2	49780.8	49785.1	48490.0	48057.3	48039.1	48109.0	48215.0
10°	52093.1	50600.8	49195.5	48300.4	48300.0	48147.8	46884.5	46375.6	46179.4	46121.9	46108.2
7.5°	48968.9	47799.6	46737.0	46036.3	46001.9	45669.6	44640.7	44183.6	43806.6	43694.0	43625.0
5°	45148.7	44273.2	43316.4	42803.7	42699.7	42395.9	41472.1	40990.3	40767.2	40524.2	40389.0
2.5°	40631.7	40017.3	39329.6	38878.5	38713.7	38538.6	37639.0	37196.3	36894.7	36728.9	36650.8
0°	35616.2	35250.7	34613.0	34326.2	34164.3	34125.8	33344.2	32911.5	32581.9	32358.5	32192.0
-2.5°	29790.7	29635.5	29243.7	29101.4	28951.2	28947.0	28267.7	27830.3	27510.5	27279.2	27107.2
-5°	23768.0	23664.0	23432.7	23352.0	23198.2	23129.3	22617.1	22198.7	21898.3	21609.2	21445.0
-7.5°	17958.5	17929.9	17765.9	17707.8	17519.9	17320.0	16907.4	16473.0	16175.0	15926.4	15729.7
-10°	13248.8	13169.9	13064.0	12986.7	12758.8	12558.4	12165.9	11773.6	11472.3	11268.2	11133.0
-12.5°	9814.5	9878.5	9762.1	9689.3	9559.7	9364.3	9088.6	8776.7	8536.8	8326.1	8142.1
-15°	7674.8	7832.2	7855.3	7842.8	7778.6	7614.5	7375.1	7140.7	6924.8	6724.2	6531.5
-17.5°	6491.1	6680.9	6778.5	6847.7	6899.3	6795.1	6595.1	6409.5	6204.7	5991.8	5844.4
-20°	5791.8	6051.4	6268.5	6367.0	6456.5	6386.5	6171.8	5925.0	5724.4	5509.2	5333.8



REPORT NUMBER: P902103 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WB-LT

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5383.9	5650.5	5864.1	5974.2	6078.5	6094.1	5892.2	5690.4	5522.6	5318.4	5192.6
-25°	4990.2	5293.6	5580.4	5756.3	5936.4	6014.7	5882.3	5687.9	5496.9	5308.8	5183.6
-27.5°	4784.3	5051.6	5422.7	5703.2	5878.7	6032.2	5945.3	5726.0	5525.1	5351.3	5208.6
-30°	4620.4	4889.9	5312.0	5646.4	5868.9	6039.6	5990.9	5764.1	5523.6	5325.6	5169.1
-32.5°	4505.7	4753.9	5191.6	5578.0	5783.5	5985.1	6005.9	5798.4	5519.2	5293.0	5120.0
-35°	4418.7	4612.6	5004.0	5440.7	5679.4	5878.0	5964.3	5799.9	5510.8	5254.7	5056.8
-37.5°	4317.6	4472.1	4805.5	5221.3	5576.3	5686.1	5829.9	5709.7	5454.6	5201.0	4964.7
-40°	4149.7	4241.2	4468.5	4839.5	5159.5	5331.7	5496.3	5457.3	5283.0	5032.1	4800.7
-42.5°	3943.3	3996.5	4073.2	4377.8	4653.0	4859.7	4978.5	5034.2	4906.2	4702.4	4493.7
-45°	3808.5	3820.7	3831.1	3991.0	4248.6	4445.9	4539.9	4623.3	4563.8	4399.3	4235.6
-47.5°	3685.1	3679.5	3638.9	3696.8	3862.1	4035.7	4157.6	4225.3	4232.0	4144.2	4026.3
-50°	3572.0	3547.9	3478.1	3456.7	3553.4	3705.1	3795.0	3851.1	3890.2	3867.0	3785.2
-52.5°	3417.6	3389.2	3304.6	3254.4	3298.7	3387.9	3473.4	3520.8	3567.2	3621.8	3573.4
-55°	3258.6	3194.1	3122.9	3029.5	3069.3	3145.1	3214.3	3275.0	3303.1	3352.4	3327.4
-57.5°	3055.3	2989.0	2894.6	2836.8	2828.0	2888.1	2971.6	3035.8	3038.9	3051.9	3084.5
-60°	2788.6	2725.5	2630.0	2574.3	2571.0	2607.9	2681.2	2755.0	2798.4	2799.9	2805.4
-62.5°	2408.3	2371.0	2320.5	2308.2	2302.6	2301.5	2385.3	2449.8	2504.1	2491.3	2465.3
-65°	2040.4	2017.2	2018.2	2018.5	2013.1	2035.0	2089.5	2144.1	2176.6	2179.1	2153.0
-67.5°	1726.8	1732.7	1722.2	1705.4	1708.1	1730.7	1752.2	1760.8	1803.1	1804.6	1805.1
-70°	1421.7	1473.9	1481.2	1475.0	1473.3	1452.6	1429.4	1420.4	1415.3	1396.7	1377.8
-72.5°	1085.1	1186.2	1226.3	1214.0	1193.3	1160.7	1126.4	1112.5	1105.5	1088.7	1068.9
-75°	822.0	908.4	964.0	954.6	908.1	869.0	858.2	859.0	856.0	840.2	825.3
-77.5°	636.3	713.3	748.2	715.8	663.6	625.2	614.5	627.3	636.3	633.7	625.4
-80°	483.1	511.7	529.4	508.4	478.2	462.0	459.0	463.3	464.0	456.3	448.2
-82.5°	340.9	345.8	351.0	350.4	347.3	344.0	344.8	344.5	343.7	340.0	336.9
-85°	245.4	246.9	247.7	248.7	249.2	248.7	249.9	250.1	251.8	251.0	251.6
-87.5°	151.5	152.3	154.5	156.6	156.7	158.1	158.1	159.1	160.3	159.5	160.2
-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: P902103 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WB-LT

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°	78.5	77.1	76.1	74.4	76.1	77.1	78.5	80.3	82.0	83.3	84.1
85°	221.2	213.8	206.5	204.3	206.5	213.8	221.2	230.3	238.8	242.0	240.3
82.5°	644.7	620.8	592.5	590.2	592.5	620.8	644.7	650.1	637.3	618.4	601.2
80°	1521.2	1485.1	1410.5	1384.2	1410.5	1485.1	1521.2	1468.6	1380.0	1306.7	1262.0
77.5°	2351.5	2334.2	2263.2	2238.1	2263.2	2334.2	2351.5	2269.6	2180.9	2116.8	2099.9
75°	3309.8	3267.7	3199.6	3188.0	3199.6	3267.7	3309.8	3221.4	3112.3	3031.0	2955.8
72.5°	4583.4	4514.9	4457.8	4460.5	4457.8	4514.9	4583.4	4439.8	4242.7	4095.5	3905.3
70°	5471.8	5358.1	5270.3	5269.8	5270.3	5358.1	5471.8	5412.2	5270.3	5140.4	4931.2
67.5°	6399.8	6206.6	6110.8	6127.3	6110.8	6206.6	6399.8	6449.6	6415.1	6427.7	6392.5
65°	9454.4	9152.4	8972.4	8967.7	8972.4	9152.4	9454.4	9628.3	9731.9	9667.9	10052.7
62.5°	23358.6	22510.1	22054.7	22021.1	22054.7	22510.1	23358.6	24266.4	25097.6	25871.1	25531.6
60°	58113.6	56752.5	56063.6	56095.1	56063.6	56752.5	58113.6	59855.2	60790.3	62542.3	65321.2
57.5°	90518.6	88007.1	86652.6	86716.5	86652.6	88007.1	90518.6	94272.8	96356.9	97573.3	100540.4
55°	107779.7	105829.0	104817.6	105006.8	104817.6	105829.0	107779.7	110659.2	114657.1	114101.7	114421.0
52.5°	109871.0	108788.4	108199.1	108641.3	108199.1	108788.4	109871.0	111179.5	113387.7	113910.9	112251.8
50°	103858.8	103010.0	102505.2	102907.2	102505.2	103010.0	103858.8	104380.4	105517.8	106691.3	104908.1
47.5°	90847.1	89803.2	89188.5	89701.9	89188.5	89803.2	90847.1	91188.3	92125.8	94291.1	93344.7
45°	76193.2	75315.5	74729.4	74992.3	74729.4	75315.5	76193.2	76691.1	77839.4	80195.2	81108.1
42.5°	67653.6	66782.6	66133.4	66142.5	66133.4	66782.6	67653.6	68372.6	69251.8	71230.1	73262.7
40°	62950.4	62196.0	61600.5	61959.3	61600.5	62196.0	62950.4	63670.4	64492.6	65681.2	67572.6
37.5°	59727.4	59345.9	59061.8	59239.1	59061.8	59345.9	59727.4	60273.5	60893.2	61529.6	63143.4
35°	58226.1	58252.8	58219.5	58387.5	58219.5	58252.8	58226.1	58304.4	58563.3	58828.0	59656.4
32.5°	58108.5	58543.3	58813.3	59206.7	58813.3	58543.3	58108.5	57711.6	57397.8	57168.8	57300.7
30°	58303.1	59282.6	59942.0	60820.8	59942.0	59282.6	58303.1	57497.6	56809.0	56151.5	55862.0
27.5°	57658.8	58882.4	59636.8	60436.8	59636.8	58882.4	57658.8	56668.2	55856.8	55093.2	54553.5
25°	55651.0	56614.3	57333.8	57756.5	57333.8	56614.3	55651.0	54837.5	54072.0	53436.6	53043.6
22.5°	53144.8	53788.6	54334.7	54548.4	54334.7	53788.6	53144.8	52631.1	51991.3	51604.5	51341.9
20°	51508.5	51933.4	52396.0	52639.4	52396.0	51933.4	51508.5	51030.7	50675.7	50386.9	50133.2
17.5°	50653.4	51048.3	51493.0	51642.2	51493.0	51048.3	50653.4	50337.6	50004.4	49661.3	49404.9
15°	49791.5	50093.1	50499.9	50436.7	50499.9	50093.1	49791.5	49726.1	49372.4	49133.8	48948.0
12.5°	48299.9	48374.0	48581.6	48493.5	48581.6	48374.0	48299.9	48215.0	48109.0	48039.1	48057.3
10°	46164.4	46190.2	46221.6	46262.9	46221.6	46190.2	46164.4	46108.2	46121.9	46179.4	46375.6
7.5°	43538.1	43653.4	43654.1	43779.6	43654.1	43653.4	43538.1	43625.0	43694.0	43806.6	44183.6
5°	40350.9	40320.7	40293.6	40430.3	40293.6	40320.7	40350.9	40389.0	40524.2	40767.2	40990.3
2.5°	36507.7	36383.6	36372.9	36444.5	36372.9	36383.6	36507.7	36650.8	36728.9	36894.7	37196.3
0°	32074.7	31984.3	31933.2	31913.5	31933.2	31984.3	32074.7	32192.0	32358.5	32581.9	32911.5
-2.5°	26974.7	26836.0	26743.2	26710.9	26743.2	26836.0	26974.7	27107.2	27279.2	27510.5	27830.3
-5°	21316.3	21174.8	21107.8	21066.8	21107.8	21174.8	21316.3	21445.0	21609.2	21898.3	22198.7
-7.5°	15584.9	15572.9	15437.1	15431.6	15437.1	15572.9	15584.9	15729.7	15926.4	16175.0	16473.0
-10°	11053.8	10967.3	10861.3	10741.6	10861.3	10967.3	11053.8	11133.0	11268.2	11472.3	11773.6
-12.5°	8083.9	8016.0	7994.6	7954.5	7994.6	8016.0	8083.9	8142.1	8326.1	8536.8	8776.7
-15°	6466.3	6349.2	6370.4	6393.6	6370.4	6349.2	6466.3	6531.5	6724.2	6924.8	7140.7
-17.5°	5706.3	5613.7	5579.7	5595.8	5579.7	5613.7	5706.3	5844.4	5991.8	6204.7	6409.5
-20°	5238.7	5119.4	5035.4	5033.1	5035.4	5119.4	5238.7	5333.8	5509.2	5724.4	5925.0



REPORT NUMBER: P902103 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WB-LT

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	5081.5	4996.5	4949.6	4954.3	4949.6	4996.5	5081.5	5192.6	5318.4	5522.6	5690.4
-25°	5095.3	5010.7	4961.9	4983.6	4961.9	5010.7	5095.3	5183.6	5308.8	5496.9	5687.9
-27.5°	5098.9	5017.9	4964.2	4994.5	4964.2	5017.9	5098.9	5208.6	5351.3	5525.1	5726.0
-30°	5064.7	4960.0	4898.6	4933.4	4898.6	4960.0	5064.7	5169.1	5325.6	5523.6	5764.1
-32.5°	4987.1	4882.2	4813.2	4816.5	4813.2	4882.2	4987.1	5120.0	5293.0	5519.2	5798.4
-35°	4888.7	4763.0	4680.6	4687.6	4680.6	4763.0	4888.7	5056.8	5254.7	5510.8	5799.9
-37.5°	4754.5	4631.1	4548.0	4551.8	4548.0	4631.1	4754.5	4964.7	5201.0	5454.6	5709.7
-40°	4609.5	4442.1	4391.9	4343.2	4391.9	4442.1	4609.5	4800.7	5032.1	5283.0	5457.3
-42.5°	4328.8	4212.9	4138.8	4166.1	4138.8	4212.9	4328.8	4493.7	4702.4	4906.2	5034.2
-45°	4084.2	3996.9	3933.1	3937.9	3933.1	3996.9	4084.2	4235.6	4399.3	4563.8	4623.3
-47.5°	3885.0	3800.4	3777.9	3800.5	3777.9	3800.4	3885.0	4026.3	4144.2	4232.0	4225.3
-50°	3715.3	3630.7	3615.0	3661.6	3615.0	3630.7	3715.3	3785.2	3867.0	3890.2	3851.1
-52.5°	3527.5	3490.4	3537.7	3639.9	3537.7	3490.4	3527.5	3573.4	3621.8	3567.2	3520.8
-55°	3285.3	3295.6	3436.4	3546.0	3436.4	3295.6	3285.3	3327.4	3352.4	3303.1	3275.0
-57.5°	3089.7	3088.5	3211.5	3308.6	3211.5	3088.5	3089.7	3084.5	3051.9	3038.9	3035.8
-60°	2803.6	2806.1	2877.9	2930.5	2877.9	2806.1	2803.6	2805.4	2799.9	2798.4	2755.0
-62.5°	2428.2	2406.9	2419.3	2430.4	2419.3	2406.9	2428.2	2465.3	2491.3	2504.1	2449.8
-65°	2127.2	2107.5	2096.8	2094.6	2096.8	2107.5	2127.2	2153.0	2179.1	2176.6	2144.1
-67.5°	1774.6	1762.3	1731.5	1697.1	1731.5	1762.3	1774.6	1805.1	1804.6	1803.1	1760.8
-70°	1375.9	1400.6	1420.4	1427.1	1420.4	1400.6	1375.9	1377.8	1396.7	1415.3	1420.4
-72.5°	1067.8	1090.9	1119.0	1133.9	1119.0	1090.9	1067.8	1068.9	1088.7	1105.5	1112.5
-75°	816.3	818.3	837.1	849.0	837.1	818.3	816.3	825.3	840.2	856.0	859.0
-77.5°	613.7	605.8	617.6	625.6	617.6	605.8	613.7	625.4	633.7	636.3	627.3
-80°	437.5	428.6	424.4	425.1	424.4	428.6	437.5	448.2	456.3	464.0	463.3
-82.5°	333.1	330.7	329.5	329.6	329.5	330.7	333.1	336.9	340.0	343.7	344.5
-85°	251.2	250.2	248.7	248.5	248.7	250.2	251.2	251.6	251.0	251.8	250.1
-87.5°	159.1	159.4	159.2	159.2	159.2	159.4	159.1	160.2	159.5	160.3	159.1
-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: P902103 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WB-LT

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°	85.2	85.8	85.9	85.4	84.3	83.1	81.4	79.4	78.5	78.9	77.3
85°	241.8	245.0	240.9	233.6	224.9	221.0	216.1	210.4	209.1	207.2	203.7
82.5°	581.8	571.8	565.7	533.2	482.2	460.7	445.3	422.5	407.5	401.4	395.8
80°	1163.8	1103.3	1139.2	1092.1	957.5	868.2	809.6	779.4	752.3	722.3	687.1
77.5°	1970.2	1831.1	1829.7	1793.5	1610.8	1438.9	1314.3	1246.5	1175.6	1112.5	1054.1
75°	2734.6	2568.1	2523.9	2446.2	2242.3	2035.2	1842.3	1753.0	1686.5	1587.0	1487.3
72.5°	3598.0	3343.9	3130.3	2975.2	2848.4	2697.5	2502.8	2359.0	2294.4	2179.4	2021.4
70°	4551.4	4140.6	3821.2	3698.6	3610.7	3526.9	3399.9	3289.2	3184.4	2989.0	2690.1
67.5°	6225.1	5939.7	5579.3	5244.5	5251.2	5278.5	5046.3	4756.9	4709.9	4300.8	3793.4
65°	10762.5	11194.3	11156.6	10283.3	11039.0	11391.5	10454.1	9615.3	9032.2	7027.3	5940.0
62.5°	27194.6	30410.5	32033.8	30924.2	33385.5	34257.0	29222.7	27011.4	23339.9	16380.0	14129.1
60°	70022.6	73272.6	75422.6	78993.0	81379.6	77872.5	73503.2	65174.8	53426.6	42820.0	32680.3
57.5°	104540.0	108143.3	110104.6	113664.8	115744.5	113135.5	109750.8	99532.1	89516.9	75778.2	60821.6
55°	116425.5	119533.4	119989.5	121757.6	122644.6	121594.2	121187.1	114025.0	111036.4	99883.0	90417.0
52.5°	112430.3	112948.5	113031.3	113279.1	112376.1	112004.5	111786.2	110576.2	109841.5	108089.1	103734.3
50°	103141.6	102661.6	102335.9	101513.0	100561.2	99338.1	98925.1	99624.1	100386.4	102584.0	104099.2
47.5°	91802.4	91523.3	91240.5	90828.6	90147.1	89195.1	88644.2	89444.9	91101.1	92734.0	97877.1
45°	80173.3	80465.1	80526.5	80342.8	79993.0	80283.4	80377.3	81618.5	84021.2	86058.7	89595.9
42.5°	72410.5	72301.0	72200.0	72078.9	71487.6	72399.7	73609.4	75505.8	78867.9	81895.9	85462.4
40°	67566.6	66948.4	66914.6	66686.2	66277.6	66848.4	68704.4	70924.0	74268.8	78967.1	82597.8
37.5°	63717.1	62837.5	62785.0	62826.4	62797.2	63333.5	65513.3	68150.1	71479.7	76152.8	80487.0
35°	60503.1	59590.0	59446.7	59816.1	60033.7	61079.6	63192.0	66307.6	69601.6	74205.4	79065.3
32.5°	58019.6	57106.5	56767.3	57183.2	57767.6	58984.1	60999.5	64695.9	68104.8	72684.9	77821.8
30°	56209.3	55416.7	54700.1	55001.9	55701.4	57094.5	59356.1	62924.9	67027.3	71396.3	76788.8
27.5°	54782.6	54194.7	53115.0	53302.2	54008.2	55645.4	58010.7	61644.5	66085.1	70626.7	75931.5
25°	53314.1	52957.1	52024.9	52071.1	52813.0	54609.7	57134.9	60577.5	65408.5	69868.2	75113.1
22.5°	51633.1	51944.7	51155.1	51184.0	52106.3	53998.9	56663.3	60156.0	64774.4	69406.9	74049.5
20°	50338.2	51065.8	50580.6	50722.7	51709.2	53673.2	56374.8	59652.2	64181.3	68649.5	72690.1
17.5°	49687.7	50694.6	50401.6	50507.3	51549.0	53491.4	56149.9	59221.8	63299.4	67453.4	71014.0
15°	49297.9	50400.0	50393.7	50396.0	51383.0	53174.2	55528.1	58191.7	61815.2	65596.0	68696.7
12.5°	48490.0	49785.1	49780.8	49677.2	50728.0	52302.8	54358.9	56590.5	59579.6	62888.0	65359.7
10°	46884.5	48147.8	48300.0	48300.4	49195.5	50600.8	52093.1	53897.4	56284.2	59029.1	61126.6
7.5°	44640.7	45669.6	46001.9	46036.3	46737.0	47799.6	48968.9	50317.6	52194.0	54559.0	56423.5
5°	41472.1	42395.9	42699.7	42803.7	43316.4	44273.2	45148.7	46062.5	47601.2	49491.0	51052.6
2.5°	37639.0	38538.6	38713.7	38878.5	39329.6	40017.3	40631.7	41300.5	42467.8	43934.9	45137.7
0°	33344.2	34125.8	34164.3	34326.2	34613.0	35250.7	35616.2	35909.3	36804.6	37996.7	38836.9
-2.5°	28267.7	28947.0	28951.2	29101.4	29243.7	29635.5	29790.7	29959.2	30643.5	31395.7	32016.5
-5°	22617.1	23129.3	23198.2	23352.0	23432.7	23664.0	23768.0	23797.9	24312.6	24877.9	25318.1
-7.5°	16907.4	17320.0	17519.9	17707.8	17765.9	17929.9	17958.5	17941.8	18381.7	18807.6	19253.7
-10°	12165.9	12558.4	12758.8	12986.7	13064.0	13169.9	13248.8	13220.2	13528.1	13875.8	14360.3
-12.5°	9088.6	9364.3	9559.7	9689.3	9762.1	9878.5	9814.5	9856.0	10031.3	10359.8	10792.3
-15°	7375.1	7614.5	7778.6	7842.8	7855.3	7832.2	7674.8	7666.3	7812.4	8084.8	8389.9
-17.5°	6595.1	6795.1	6899.3	6847.7	6778.5	6680.9	6491.1	6433.1	6492.8	6675.6	6889.1
-20°	6171.8	6386.5	6456.5	6367.0	6268.5	6051.4	5791.8	5710.1	5751.6	5840.7	5914.2



REPORT NUMBER: P902103 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WB-LT

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5892.2	6094.1	6078.5	5974.2	5864.1	5650.5	5383.9	5308.4	5325.8	5308.7	5263.1
-25°	5882.3	6014.7	5936.4	5756.3	5580.4	5293.6	4990.2	4998.5	4975.5	4965.2	4832.0
-27.5°	5945.3	6032.2	5878.7	5703.2	5422.7	5051.6	4784.3	4714.6	4673.9	4605.0	4500.4
-30°	5990.9	6039.6	5868.9	5646.4	5312.0	4889.9	4620.4	4514.9	4446.3	4350.2	4240.9
-32.5°	6005.9	5985.1	5783.5	5578.0	5191.6	4753.9	4505.7	4384.4	4252.2	4146.2	4023.9
-35°	5964.3	5878.0	5679.4	5440.7	5004.0	4612.6	4418.7	4272.5	4139.9	4000.6	3858.9
-37.5°	5829.9	5686.1	5576.3	5221.3	4805.5	4472.1	4317.6	4159.6	4016.0	3872.1	3722.5
-40°	5496.3	5331.7	5159.5	4839.5	4468.5	4241.2	4149.7	4015.5	3869.6	3736.8	3595.4
-42.5°	4978.5	4859.7	4653.0	4377.8	4073.2	3996.5	3943.3	3861.3	3721.3	3585.9	3446.8
-45°	4539.9	4445.9	4248.6	3991.0	3831.1	3820.7	3808.5	3716.6	3581.8	3437.0	3258.6
-47.5°	4157.6	4035.7	3862.1	3696.8	3638.9	3679.5	3685.1	3615.4	3440.3	3269.5	3082.1
-50°	3795.0	3705.1	3553.4	3456.7	3478.1	3547.9	3572.0	3478.9	3275.1	3075.5	2854.7
-52.5°	3473.4	3387.9	3298.7	3254.4	3304.6	3389.2	3417.6	3296.2	3080.6	2841.5	2632.8
-55°	3214.3	3145.1	3069.3	3029.5	3122.9	3194.1	3258.6	3104.7	2849.7	2603.7	2406.3
-57.5°	2971.6	2888.1	2828.0	2836.8	2894.6	2989.0	3055.3	2885.2	2609.7	2363.6	2176.8
-60°	2681.2	2607.9	2571.0	2574.3	2630.0	2725.5	2788.6	2632.6	2360.4	2133.6	1959.4
-62.5°	2385.3	2301.5	2302.6	2308.2	2320.5	2371.0	2408.3	2289.4	2058.0	1856.8	1716.6
-65°	2089.5	2035.0	2013.1	2018.5	2018.2	2017.2	2040.4	1940.4	1750.9	1591.6	1470.4
-67.5°	1752.2	1730.7	1708.1	1705.4	1722.2	1732.7	1726.8	1621.7	1469.0	1341.4	1233.2
-70°	1429.4	1452.6	1473.3	1475.0	1481.2	1473.9	1421.7	1305.2	1187.6	1093.4	1012.4
-72.5°	1126.4	1160.7	1193.3	1214.0	1226.3	1186.2	1085.1	987.6	927.8	875.8	818.0
-75°	858.2	869.0	908.1	954.6	964.0	908.4	822.0	765.2	735.7	705.5	666.0
-77.5°	614.5	625.2	663.6	715.8	748.2	713.3	636.3	606.3	589.8	571.6	543.6
-80°	459.0	462.0	478.2	508.4	529.4	511.7	483.1	483.1	463.8	452.4	430.2
-82.5°	344.8	344.0	347.3	350.4	351.0	345.8	340.9	339.3	337.4	332.7	319.8
-85°	249.9	248.7	249.2	248.7	247.7	246.9	245.4	241.5	235.8	229.0	221.0
-87.5°	158.1	158.1	156.7	156.6	154.5	152.3	151.5	148.0	143.0	139.2	133.5
-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: P902103 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WB-LT

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°	75.3	71.7	69.2	65.2	59.9	53.5	46.2	40.4	34.8	30.3	26.7
85°	197.7	188.9	179.1	166.0	148.2	126.8	104.2	84.5	69.5	60.6	53.3
82.5°	388.6	368.1	341.8	308.1	264.5	229.6	194.6	161.4	132.3	107.0	86.2
80°	654.3	612.7	565.8	519.1	454.5	386.4	318.2	248.4	197.2	161.3	131.1
77.5°	991.0	912.7	855.4	792.6	689.5	569.4	470.4	377.9	297.2	226.1	175.4
75°	1398.4	1319.9	1222.1	1114.7	965.6	809.7	653.1	512.2	404.5	316.9	238.2
72.5°	1887.2	1754.7	1627.3	1484.0	1285.2	1061.0	838.3	662.4	521.1	405.2	310.8
70°	2526.6	2291.6	2049.3	1886.0	1616.5	1320.6	1058.7	818.6	639.7	502.2	381.3
67.5°	3450.4	3021.5	2688.2	2400.7	1964.9	1626.9	1281.4	994.1	767.9	597.4	460.1
65°	5236.2	4159.6	3734.6	3045.8	2563.1	1983.7	1553.9	1178.9	905.2	698.3	538.1
62.5°	9530.6	7623.2	5857.3	4679.9	3529.9	2556.2	1869.6	1400.7	1043.3	808.8	613.6
60°	22512.2	16506.0	10602.5	8106.6	5295.2	3509.6	2277.4	1628.5	1209.2	913.7	704.6
57.5°	47321.7	32056.2	22687.5	13312.4	9072.2	4943.8	2894.6	1922.8	1365.3	1040.6	792.8
55°	73640.1	57271.2	39389.4	26133.0	13903.4	8098.6	3820.6	2208.5	1580.7	1166.0	878.3
52.5°	95229.3	79295.7	61053.9	41673.8	25891.6	11891.0	5169.6	2756.9	1778.8	1283.9	977.8
50°	104366.7	95883.5	79693.6	60783.5	38537.8	19271.1	7294.0	3175.3	1993.3	1438.1	1074.8
47.5°	102151.5	103254.5	94573.1	77243.9	55092.6	26892.2	9677.6	4100.0	2292.1	1576.1	1166.8
45°	97064.3	102424.8	102239.3	92606.5	69803.0	38762.2	14656.9	4889.8	2545.4	1712.1	1268.8
42.5°	91315.7	99824.2	105005.5	101219.9	84154.6	51330.6	18486.0	5838.7	2893.0	1918.2	1383.6
40°	87904.6	95814.8	104696.8	109079.6	97003.9	64173.8	27671.0	8578.5	3195.3	2101.1	1494.2
37.5°	85159.3	92517.3	101902.7	108980.6	104453.1	78336.2	35827.4	10422.8	3475.8	2260.0	1599.8
35°	83289.2	89478.3	98196.0	108838.7	111495.5	90927.8	44211.5	13360.1	4204.4	2466.5	1726.8
32.5°	81995.5	87260.1	95062.6	105067.1	110872.2	97235.0	55828.5	18415.8	5147.0	2688.0	1860.7
30°	81081.8	85175.1	91717.8	101054.7	110928.5	102689.8	66157.2	21830.4	5809.5	2886.0	1980.2
27.5°	80221.4	83741.1	89308.4	97748.7	107701.0	104791.8	72996.9	24078.5	6076.7	3056.8	2086.1
25°	79452.9	82299.7	87036.5	94259.1	103585.7	102149.1	75749.1	31146.8	7456.8	3233.7	2178.6
22.5°	78303.6	80956.7	84545.5	90699.5	98947.4	100441.5	77609.2	36321.9	9121.5	3508.8	2265.1
20°	77079.8	79194.4	82176.1	87108.9	94725.4	98044.1	78486.1	40120.0	9932.1	3689.1	2355.0
17.5°	75129.2	76784.1	78969.5	83255.9	89745.1	92796.7	77493.1	42227.8	10153.5	3829.4	2426.3
15°	71907.8	73692.8	75083.4	78928.6	84688.2	87350.1	74098.5	42551.3	10031.8	3918.6	2471.5
12.5°	68046.6	69726.0	71006.0	74065.6	79469.5	82036.0	69712.6	41215.6	9407.1	3972.0	2488.6
10°	63577.8	65060.2	66327.3	69078.5	73574.4	76003.7	64767.0	38724.8	10125.0	3999.2	2488.2
7.5°	58512.9	59750.5	60789.5	63474.3	67489.6	69356.7	58120.4	34931.0	10403.9	3995.1	2470.3
5°	52788.4	53796.4	54718.4	57013.4	60374.1	61920.9	50757.2	30309.8	9960.8	3926.5	2432.6
2.5°	46577.8	47268.4	48162.6	50162.7	52815.2	53458.8	42292.1	25168.3	9116.8	3815.6	2380.5
0°	39998.0	40414.5	41156.8	42900.2	44909.4	44461.6	33363.1	19470.3	7876.4	3677.0	2315.4
-2.5°	32783.3	33049.3	33969.8	35543.3	37063.0	35729.8	26164.3	15735.7	6992.6	3505.0	2239.0
-5°	26084.4	26400.7	27437.5	28867.7	29839.0	27447.2	19082.3	11933.2	6039.4	3313.9	2152.5
-7.5°	19961.0	20561.2	21622.9	22845.5	23408.7	20947.8	14948.8	9636.7	5229.2	3112.1	2057.6
-10°	15000.5	15669.7	16584.9	17810.7	18117.3	15617.8	11160.4	7670.9	4538.4	2910.9	1962.1
-12.5°	11307.7	11798.1	12714.8	13614.2	13297.7	11543.8	8925.6	6297.2	3964.3	2703.2	1862.5
-15°	8703.5	9024.9	9692.4	10002.8	9945.8	8875.5	6975.3	5236.0	3620.4	2508.6	1759.1
-17.5°	6935.8	7133.7	7384.8	7678.3	7598.3	6870.0	5790.4	4481.7	3282.5	2333.4	1664.2
-20°	5827.9	5865.2	5959.8	6115.7	6005.8	5702.8	4834.3	3983.4	2991.4	2159.8	1575.0



REPORT NUMBER: P902103 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WB-LT

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5143.6	5054.8	5132.1	5042.0	5099.4	4781.4	4295.3	3542.7	2737.0	2004.9	1483.4
-25°	4695.5	4589.4	4543.2	4528.2	4414.2	4269.2	3820.0	3220.7	2498.3	1864.2	1402.0
-27.5°	4383.7	4266.6	4179.6	4138.9	4089.1	3841.5	3499.7	2928.5	2311.4	1754.0	1336.1
-30°	4125.7	4009.5	3929.2	3892.8	3819.1	3595.7	3213.9	2703.0	2153.7	1652.8	1266.3
-32.5°	3923.5	3828.4	3750.8	3722.3	3636.6	3365.1	2975.7	2500.5	2000.0	1555.8	1192.8
-35°	3760.9	3665.2	3586.2	3553.1	3461.9	3167.8	2770.9	2309.3	1854.3	1455.1	1118.0
-37.5°	3617.3	3494.1	3402.1	3361.9	3249.3	2967.4	2571.9	2137.6	1722.2	1358.9	1047.8
-40°	3478.1	3344.1	3240.2	3177.3	3046.2	2760.6	2369.5	1965.8	1599.1	1266.6	981.1
-42.5°	3325.4	3184.9	3049.5	2951.0	2817.3	2548.0	2163.6	1788.8	1467.2	1168.8	910.5
-45°	3133.7	2997.6	2866.9	2748.6	2598.8	2330.2	1972.4	1635.8	1338.0	1065.9	836.3
-47.5°	2930.3	2800.1	2683.7	2566.9	2383.9	2116.9	1786.6	1486.6	1216.8	977.6	766.8
-50°	2709.6	2604.6	2501.1	2379.6	2170.3	1907.4	1619.6	1340.8	1094.5	887.1	703.4
-52.5°	2520.2	2424.7	2324.4	2172.4	1959.9	1703.9	1451.1	1207.0	988.4	795.0	638.9
-55°	2307.1	2230.0	2146.0	1996.5	1768.6	1523.2	1292.2	1070.4	887.3	722.3	575.4
-57.5°	2083.0	2019.5	1949.3	1823.5	1595.9	1350.2	1137.2	957.5	788.1	649.3	528.3
-60°	1849.5	1780.5	1728.6	1631.7	1417.9	1176.2	997.2	843.2	706.3	579.7	481.2
-62.5°	1601.7	1522.1	1486.8	1407.3	1211.3	1009.0	863.2	744.6	622.5	526.0	433.4
-65°	1352.4	1257.4	1219.4	1135.4	1004.5	844.6	747.2	646.8	555.8	470.9	391.4
-67.5°	1138.9	1052.9	992.6	925.5	802.3	720.6	639.0	567.5	492.6	418.9	348.5
-70°	945.0	875.3	814.2	755.6	680.1	609.8	555.5	495.7	432.0	368.7	305.6
-72.5°	765.7	719.0	671.0	618.2	574.5	526.0	476.7	428.1	373.6	318.4	268.1
-75°	624.2	590.6	559.1	525.7	485.5	446.4	405.8	362.2	317.4	273.8	229.9
-77.5°	517.8	492.6	465.7	438.4	407.9	372.1	337.2	303.8	267.1	228.4	193.0
-80°	412.7	393.1	375.0	354.7	331.6	304.1	276.4	247.8	217.2	186.8	158.9
-82.5°	310.8	299.7	290.0	274.9	256.3	237.0	215.5	193.2	170.2	146.5	124.3
-85°	217.0	211.5	205.4	195.5	184.2	170.4	154.5	138.5	121.5	102.4	84.7
-87.5°	126.0	118.4	112.1	105.7	99.0	89.8	79.8	70.2	60.9	51.3	42.4
-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: P902103 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WB-LT

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°	23.5	19.7	16.2	12.2	8.1	4.1	0.0
85°	47.0	39.4	32.3	24.3	16.2	8.1	0.0
82.5°	70.5	59.0	48.4	36.4	24.3	12.2	0.0
80°	104.9	80.8	64.5	48.4	32.3	16.2	0.0
77.5°	140.0	108.1	81.7	60.4	40.3	20.2	0.0
75°	174.5	134.8	101.2	72.2	48.2	24.1	0.0
72.5°	226.6	160.9	120.3	85.3	56.0	28.0	0.0
70°	283.6	195.5	139.0	98.6	63.7	31.9	0.0
67.5°	338.9	239.2	157.2	111.5	71.3	35.7	0.0
65°	397.9	281.5	182.6	124.0	79.0	39.4	0.0
62.5°	461.1	322.3	213.9	136.2	86.7	43.0	0.0
60°	522.2	366.5	244.2	148.0	94.2	46.6	0.0
57.5°	580.9	415.0	273.2	160.0	101.4	50.1	0.0
55°	653.6	461.8	300.9	179.6	108.4	53.5	0.0
52.5°	723.9	506.6	329.0	198.3	115.2	56.8	0.0
50°	791.1	549.1	362.5	216.0	121.7	59.9	0.0
47.5°	857.2	601.6	394.0	232.5	127.8	63.0	0.0
45°	933.7	651.4	422.6	248.0	133.7	65.9	0.0
42.5°	1006.8	698.4	449.1	262.4	139.2	68.7	0.0
40°	1076.9	742.3	473.2	275.4	144.4	71.4	0.0
37.5°	1144.4	783.2	495.0	287.1	149.3	74.0	0.0
35°	1221.4	828.5	520.3	300.8	156.0	76.3	0.0
32.5°	1300.4	873.4	545.5	314.4	162.9	78.6	0.0
30°	1373.2	914.4	567.9	326.5	169.2	80.6	0.0
27.5°	1433.6	951.5	587.1	337.1	174.9	82.5	0.0
25°	1485.7	984.5	603.4	346.2	180.0	84.2	0.0
22.5°	1531.3	1012.4	616.9	353.7	184.5	85.8	0.0
20°	1575.5	1033.3	627.5	359.7	188.4	87.2	0.0
17.5°	1615.0	1049.4	635.3	365.1	191.6	88.4	0.0
15°	1639.3	1063.2	640.4	369.4	194.3	89.5	0.0
12.5°	1652.9	1074.6	642.5	372.2	196.4	90.4	0.0
10°	1656.3	1076.8	641.6	373.8	197.8	91.1	0.0
7.5°	1645.6	1070.7	638.0	374.0	198.7	91.7	0.0
5°	1624.6	1059.1	632.0	372.9	199.1	92.1	0.0
2.5°	1595.2	1042.2	623.6	370.6	198.9	92.3	0.0
0°	1558.2	1020.3	613.0	367.2	198.2	92.3	0.0
-2.5°	1523.3	1000.5	607.0	365.4	197.9	92.4	0.0
-5°	1482.3	976.0	599.2	362.6	197.1	92.3	0.0
-7.5°	1436.1	946.9	589.5	358.7	195.9	92.0	0.0
-10°	1385.5	913.3	578.2	353.8	194.1	91.6	0.0
-12.5°	1331.2	880.3	565.3	347.8	191.9	91.0	0.0
-15°	1273.2	850.0	551.9	340.9	189.3	90.2	0.0
-17.5°	1212.1	822.2	539.9	333.1	186.2	89.3	0.0
-20°	1152.9	796.1	526.3	324.7	182.7	88.2	0.0



REPORT NUMBER: P902103 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WB-LT

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1103.1	767.8	511.3	316.5	178.7	86.9	0.0
-25°	1054.3	740.4	494.8	307.4	174.4	85.5	0.0
-27.5°	1005.2	711.6	476.9	297.3	169.7	84.0	0.0
-30°	955.9	680.2	457.8	286.3	164.6	82.3	0.0
-32.5°	904.3	646.2	438.0	274.5	159.4	80.4	0.0
-35°	849.8	609.8	416.9	261.8	153.8	78.4	0.0
-37.5°	795.6	574.2	396.0	249.6	148.3	76.2	0.0
-40°	745.0	543.7	377.3	240.0	143.9	73.7	0.0
-42.5°	694.3	511.9	357.6	230.0	139.3	71.0	0.0
-45°	642.4	479.1	337.0	219.7	134.3	68.2	0.0
-47.5°	588.6	445.2	315.4	208.8	129.1	65.3	0.0
-50°	545.4	410.4	293.0	197.4	123.7	62.2	0.0
-52.5°	503.6	381.8	269.8	185.6	118.0	59.0	0.0
-55°	461.4	352.7	252.0	173.2	112.2	55.6	0.0
-57.5°	419.5	323.2	235.0	160.5	106.1	52.2	0.0
-60°	385.0	293.1	217.5	150.6	99.7	48.6	0.0
-62.5°	349.7	267.0	199.4	140.7	93.3	44.9	0.0
-65°	313.5	243.6	180.8	130.4	86.6	41.2	0.0
-67.5°	280.3	219.4	163.8	119.8	79.2	37.3	0.0
-70°	249.6	194.5	148.5	108.9	70.9	33.4	0.0
-72.5°	218.2	171.4	132.8	97.7	62.5	29.4	0.0
-75°	187.5	150.1	116.7	85.8	53.9	25.3	0.0
-77.5°	160.2	128.4	100.3	71.9	45.1	21.2	0.0
-80°	132.4	106.2	81.5	57.8	36.2	17.0	0.0
-82.5°	103.6	80.8	61.4	43.5	27.2	12.8	0.0
-85°	69.3	54.0	41.0	29.1	18.2	8.5	0.0
-87.5°	34.7	27.1	20.5	14.5	9.1	4.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)