

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: P902132 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-S7-ZVP418L**

Issue Date: 11/14/2024

Test Information

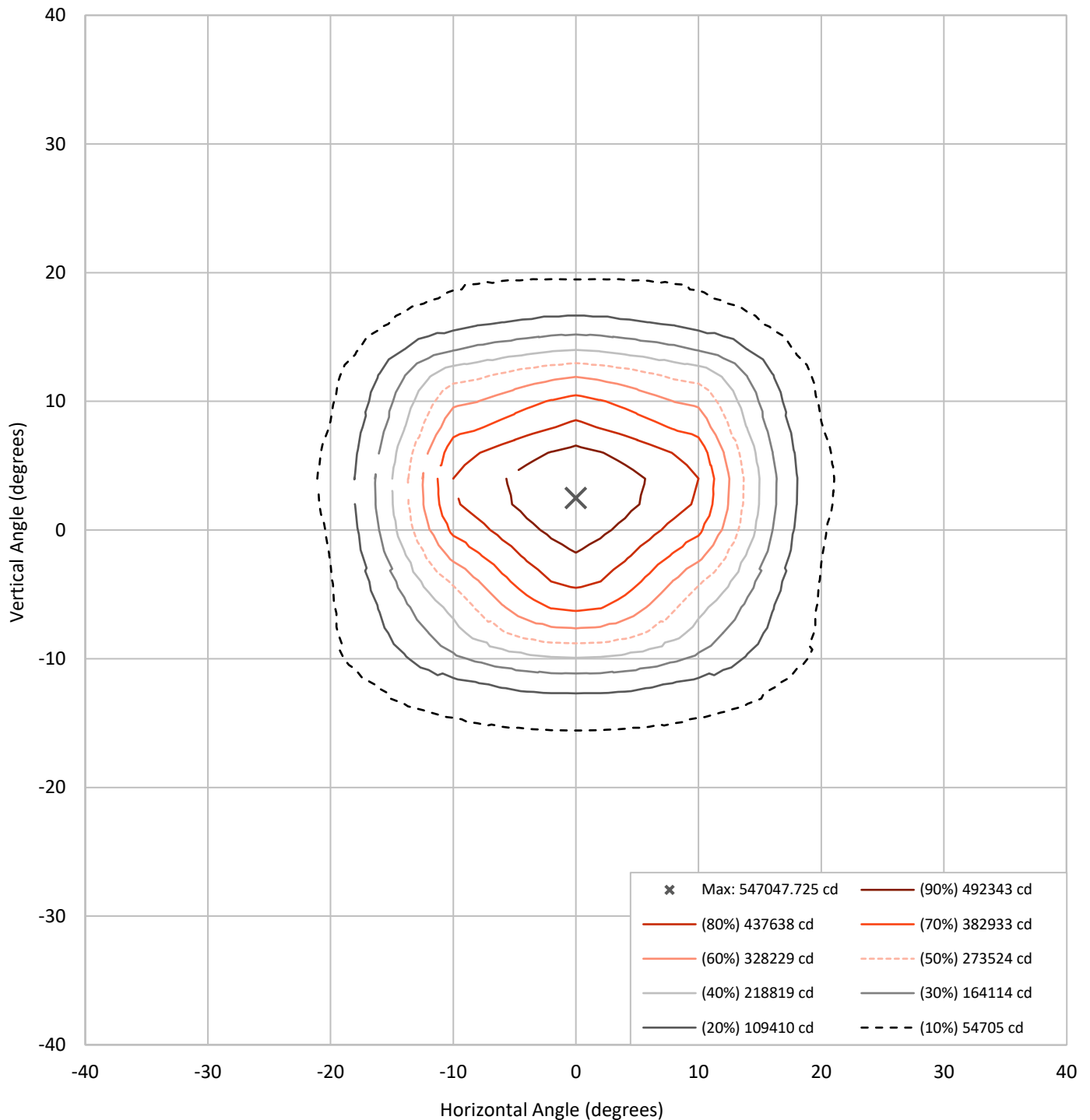
Test Method: LM-79-08
Report Number: P902132 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVA2007038)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-S7-ZVP418L
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND S7-ZVP418L OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	109092.4 lumens	Max Intensity:	547047.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 2.5°V
Efficacy:	77.2 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	27.5°H x 21.9°V	Field Angle (10%):	42°H x 34.8°V
Beam Lumens:	56492.9 lumens	Field Lumens:	89334.2 lumens
Beam Efficiency:	51.8%	Field Efficiency:	81.9%
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		

REPORT NUMBER: P902132 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-AV-03-1360S-57-85-S7-ZVP418L

Iso-Candela Plot



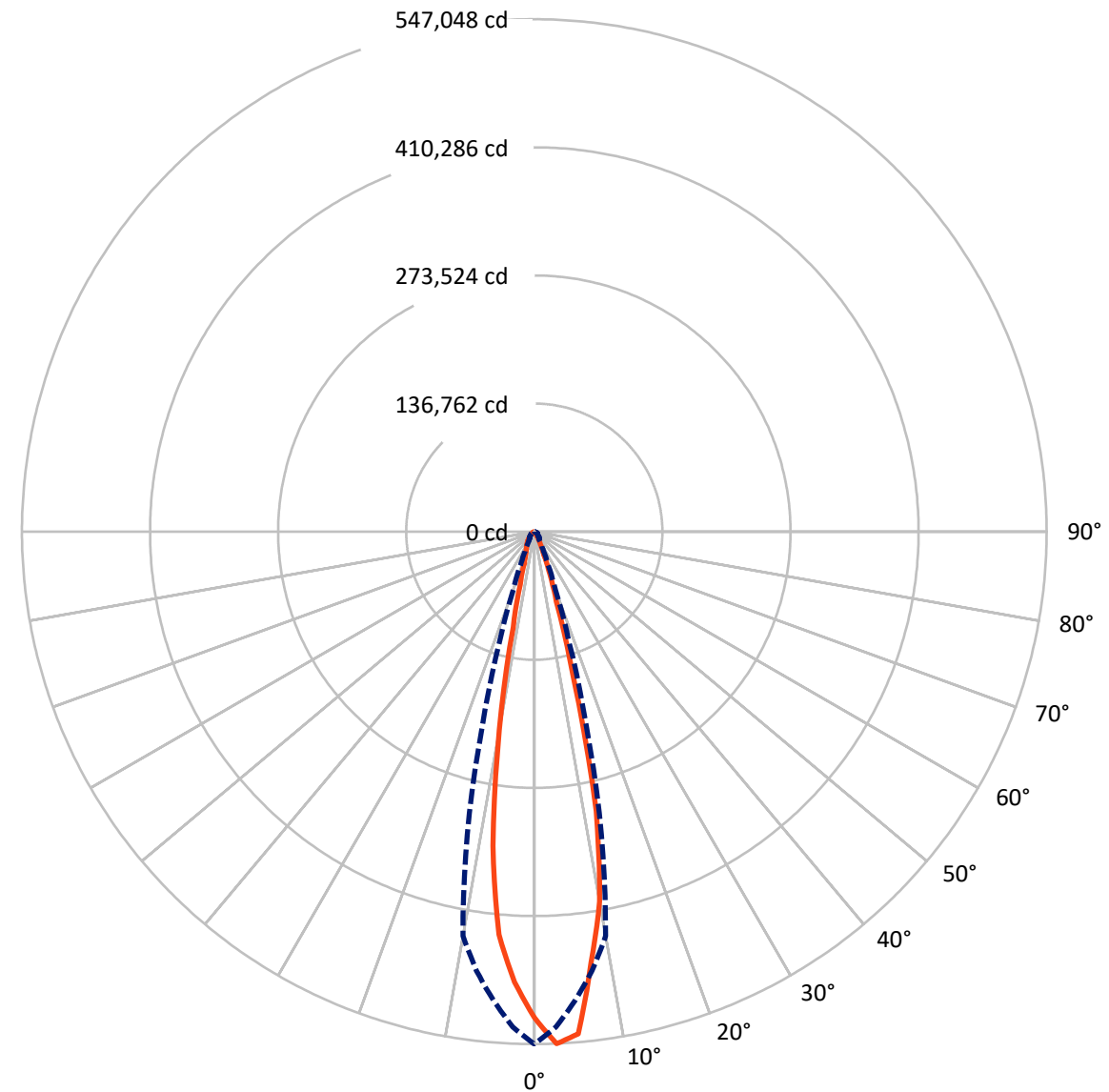
REPORT NUMBER: P902132 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S7-ZVP418L

Lumen Table

90	0.1	0.4		0.7		1.2		1.5		1.2		0.7		0.4		0.1			
80	0.1	0.4		0.7		1.2		1.5		1.2		0.7		0.4		0.1			
70	0.3	0.3	0.5	0.7	0.9	1.1	1.4	1.6	1.6	1.4	1.1	0.9	0.7	0.5	0.3	0.3			
60		0.6	1.1	1.5	2.0	2.5	3.2	3.6	3.6	3.2	2.5	2.0	1.5	1.1	0.6				
50	1.4	1.3	2.4	3.6	4.7	6.5	8.9	11.0	11.0	8.9	6.5	4.7	3.6	2.4	1.3	1.4			
40		3.8	8.4	14.1	22.3	41.3	76.0	88.0	88.0	76.0	41.3	22.3	14.1	8.4	3.8				
30	7.2	8.9	20.5	36.4	58.4	118.2	420.8	625.8	625.8	420.8	118.2	58.4	36.4	20.5	8.9	7.2			
20		19.6	42.3	73.3	124.5	376.2	2520.2	5247.5	5247.5	2520.2	376.2	124.5	73.3	42.3	19.6				
10	16.0	35.6	73.0	125.8	216.0	776.4	6245.9	13830.2	13830.2	6245.9	776.4	216.0	125.8	73.0	35.6	16.0			
0		36.1	74.1	130.2	222.3	692.7	4432.4	10590.8	10590.8	4432.4	692.7	222.3	130.2	74.1	36.1				
-10	9.7	23.9	52.4	92.6	161.3	390.5	1279.9	2223.8	2223.8	1279.9	390.5	161.3	92.6	52.4	23.9	9.7			
-20		14.3	33.6	60.1	100.7	199.2	396.9	572.4	572.4	396.9	199.2	100.7	60.1	33.6	14.3				
-30	3.2	8.3	19.1	32.4	53.8	112.4	226.3	342.4	342.4	226.3	112.4	53.8	32.4	19.1	8.3	3.2			
-40		3.8	7.7	12.6	21.5	45.9	105.0	170.0	170.0	105.0	45.9	21.5	12.6	7.7	3.8				
-50	0.9	2.2	5.3	8.6	13.6	25.6	50.9	77.3	77.3	50.9	25.6	13.6	8.6	5.3	2.2	0.9			
-60		0.8	1.8	2.8	4.6	8.7	16.0	22.9	22.9	16.0	8.7	4.6	2.8	1.8	0.8				
-70	0.1	0.7		1.9		5.5		9.3		5.5		1.9		0.7		0.1			
-80		0.7		1.9		5.5		9.3		5.5		1.9		0.7					
-90	0.1	0.7		1.9		5.5		9.3		5.5		1.9		0.7		0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P902132 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-AV-03-1360S-57-85-S7-ZVP418L

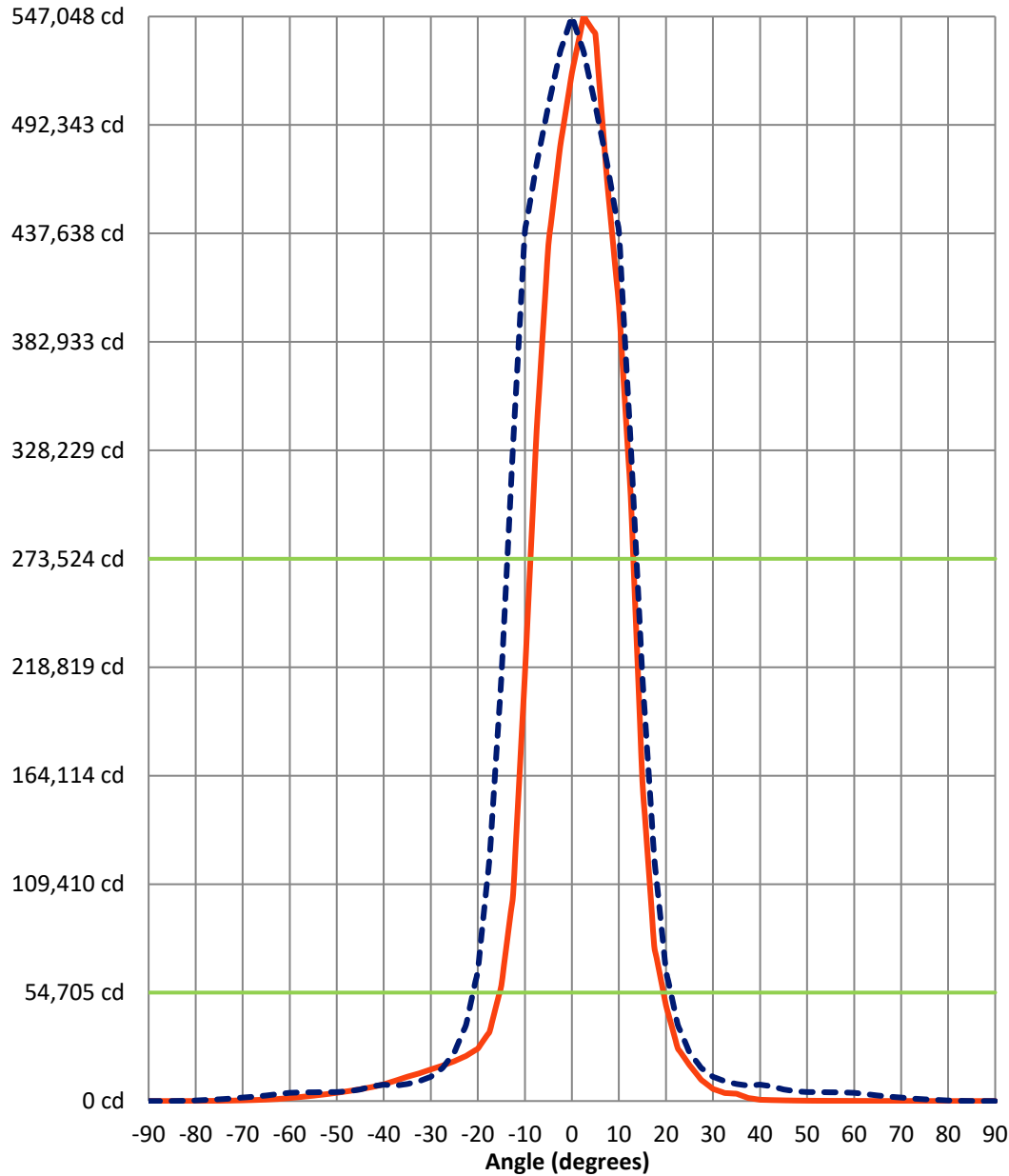
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 2.5-Deg

REPORT NUMBER: P902132 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S7-ZVP418L

Luminous Intensity Plot



Beam:
 H Angle: 27.5°
 V Angle: 21.9°
 Lumens: 56492.9
 Efficiency: 51.8%

Field:
 H Angle: 42°
 V Angle: 34.8°
 Lumens: 89334.2
 Efficiency: 81.9%

Spill:
 Lumens: 19758.2
 Efficiency: 18.1%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 2.5-Deg



REPORT NUMBER: P902132 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S7-ZVP418L

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	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.5	1.7	1.0
85°	0.0	0.4	0.8	1.2	1.6	1.9	2.3	2.7	3.1	3.4	2.0
82.5°	0.0	0.6	1.2	1.8	2.3	2.9	3.5	3.8	4.1	4.4	3.0
80°	0.0	0.8	1.6	2.3	3.1	3.8	4.1	4.5	4.9	5.3	4.2
77.5°	0.0	1.0	1.9	2.9	3.9	4.3	4.8	5.2	5.8	6.2	6.1
75°	0.0	1.2	2.3	3.5	4.7	4.9	5.3	6.3	6.7	7.0	7.9
72.5°	0.0	1.4	2.7	4.1	5.4	5.6	6.4	7.6	7.8	8.9	10.1
70°	0.0	1.5	3.1	4.6	6.2	6.7	7.8	8.9	10.1	11.4	12.7
67.5°	0.0	1.7	3.4	5.2	6.9	8.2	9.2	11.0	12.5	14.1	15.7
65°	0.0	1.9	3.8	5.8	7.9	9.7	11.1	13.4	15.4	17.2	19.4
62.5°	0.0	2.1	4.2	6.3	9.2	11.2	13.4	15.9	19.1	21.0	25.1
60°	0.0	2.2	4.6	6.8	10.4	13.0	15.7	19.7	23.0	27.0	31.2
57.5°	0.0	2.4	5.1	7.4	11.7	15.2	18.0	23.6	28.1	33.0	38.2
55°	0.0	2.6	5.5	8.8	13.1	17.5	21.3	27.3	33.4	39.9	45.6
52.5°	0.0	2.7	5.9	10.3	14.7	19.9	24.9	32.2	38.6	47.1	54.7
50°	0.0	2.9	6.3	11.8	17.0	22.6	28.6	38.0	46.9	55.6	65.0
47.5°	0.0	3.0	6.8	13.4	19.7	26.8	33.0	44.4	56.1	68.3	78.8
45°	0.0	3.2	7.2	15.1	23.2	31.9	41.3	53.6	68.2	82.5	95.3
42.5°	0.0	3.3	7.7	16.8	27.2	37.7	50.6	69.7	88.1	101.7	114.6
40°	0.0	3.4	8.2	19.2	31.6	44.3	63.5	90.3	112.9	128.9	152.3
37.5°	0.0	3.6	8.6	22.0	36.5	51.6	81.9	114.9	142.7	175.1	203.1
35°	0.0	3.8	9.9	26.4	43.8	66.6	107.1	147.3	191.6	235.0	273.4
32.5°	0.0	4.0	11.6	31.8	52.7	86.7	136.7	189.6	247.9	307.4	368.6
30°	0.0	4.2	13.3	37.6	62.2	107.8	167.9	236.2	307.0	384.3	461.1
27.5°	0.0	4.4	15.2	44.0	78.4	129.5	205.4	284.5	371.5	461.2	554.7
25°	0.0	4.6	17.2	50.7	96.7	151.9	246.9	334.1	441.0	544.1	664.4
22.5°	0.0	4.8	19.1	57.7	116.3	183.7	290.8	410.6	517.1	651.4	779.1
20°	0.0	5.0	21.1	65.0	137.0	240.4	338.6	501.7	634.2	764.0	935.1
17.5°	0.0	5.1	23.1	73.0	158.6	301.7	420.1	600.1	804.9	938.6	1106.2
15°	0.0	5.3	25.0	81.2	180.8	366.7	518.9	720.2	988.9	1205.4	1400.8
12.5°	0.0	5.4	26.9	89.4	201.7	432.5	617.7	862.1	1189.8	1481.6	1808.0
10°	0.0	5.6	28.7	97.4	221.9	484.4	715.7	1003.8	1399.1	1739.8	2187.0
7.5°	0.0	5.7	30.4	105.2	241.4	523.1	778.7	1129.8	1607.8	1989.9	2478.7
5°	0.0	5.8	31.9	112.7	260.3	559.8	827.5	1189.2	1706.3	2159.6	2728.7
2.5°	0.0	5.8	33.3	119.7	278.2	594.2	872.9	1242.8	1761.5	2220.0	2794.7
0°	0.0	5.9	34.5	126.1	294.9	626.2	914.7	1290.6	1807.6	2270.8	2846.9
-2.5°	0.0	5.9	34.3	123.4	286.8	613.2	907.0	1283.1	1777.0	2239.3	2798.3
-5°	0.0	6.0	33.8	120.1	277.5	597.5	895.3	1270.0	1739.1	2198.9	2737.3
-7.5°	0.0	6.0	33.2	116.3	267.0	578.8	879.5	1251.5	1670.9	2081.4	2566.2
-10°	0.0	6.0	32.4	111.9	255.4	556.9	844.0	1155.8	1522.3	1905.5	2366.3
-12.5°	0.0	6.0	31.4	107.1	242.9	515.7	759.3	1041.0	1369.9	1716.4	2083.0
-15°	0.0	6.0	30.2	101.9	227.7	453.2	672.5	924.4	1210.3	1485.9	1765.6
-17.5°	0.0	5.9	28.9	96.4	206.7	391.0	583.9	813.7	1047.3	1259.8	1513.9
-20°	0.0	5.8	27.5	90.1	186.1	332.0	504.8	710.8	890.1	1099.5	1339.1



REPORT NUMBER: P902132 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S7-ZVP418L

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.7	25.9	82.8	165.9	276.7	447.7	611.9	776.5	985.5	1181.1
-25°	0.0	5.6	24.3	75.5	146.5	243.4	394.7	525.9	700.1	876.5	1079.5
-27.5°	0.0	5.5	22.5	68.3	128.0	218.3	345.2	474.8	630.1	796.0	980.3
-30°	0.0	5.3	20.6	61.3	111.3	193.3	300.7	422.6	559.6	714.8	874.9
-32.5°	0.0	5.1	18.6	54.5	99.6	168.6	261.6	369.5	484.9	625.4	754.3
-35°	0.0	4.9	16.5	48.1	88.0	144.4	222.1	314.4	407.6	515.2	622.7
-37.5°	0.0	4.7	14.8	42.7	77.6	123.5	185.7	262.8	334.8	417.2	496.9
-40°	0.0	4.6	14.3	39.1	70.0	108.9	156.5	220.5	281.5	336.6	397.8
-42.5°	0.0	4.5	13.7	35.7	62.6	95.6	132.9	183.5	235.3	281.4	320.0
-45°	0.0	4.4	13.1	32.5	55.6	83.4	114.1	152.5	196.2	240.9	281.4
-47.5°	0.0	4.2	12.3	29.3	48.9	72.5	97.0	133.2	171.2	210.6	247.9
-50°	0.0	4.1	11.6	26.1	42.8	62.9	86.8	118.1	150.5	183.4	217.5
-52.5°	0.0	3.9	10.8	22.9	36.8	55.7	77.4	103.1	130.1	160.6	191.4
-55°	0.0	3.7	9.9	19.8	32.5	48.8	67.7	88.6	112.8	138.4	165.6
-57.5°	0.0	3.5	9.0	16.6	28.5	41.8	57.1	74.8	95.0	115.6	139.0
-60°	0.0	3.3	8.1	15.0	24.5	34.6	47.8	60.1	77.2	90.7	110.5
-62.5°	0.0	3.0	7.1	13.4	20.4	28.6	38.6	45.7	60.4	64.6	83.7
-65°	0.0	2.8	6.1	11.8	16.2	23.6	29.6	36.8	45.0	49.9	58.5
-67.5°	0.0	2.6	5.3	10.2	12.9	18.7	22.6	28.1	33.9	38.3	43.7
-70°	0.0	2.3	4.7	8.5	10.7	13.7	17.6	20.1	25.1	28.6	32.5
-72.5°	0.0	2.0	4.1	6.9	8.6	10.3	12.9	15.4	17.1	20.5	23.4
-75°	0.0	1.8	3.6	5.3	6.5	8.2	8.9	10.6	12.1	13.6	15.4
-77.5°	0.0	1.5	3.0	4.5	4.5	6.2	6.5	6.8	7.2	9.0	10.2
-80°	0.0	1.2	2.4	3.6	3.2	4.2	4.1	4.6	4.5	5.1	6.3
-82.5°	0.0	0.9	1.8	2.7	2.4	2.9	1.8	2.5	2.9	3.4	4.0
-85°	0.0	0.6	1.2	1.8	1.6	1.9	1.2	1.4	1.5	1.7	2.0
-87.5°	0.0	0.3	0.6	0.9	0.8	1.0	0.6	0.7	0.8	0.9	1.0
-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: P902132 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S7-ZVP418L

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°	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.7	1.8
85°	2.1	2.2	2.4	2.6	2.7	2.9	3.0	3.2	3.3	3.4	3.6
82.5°	3.1	3.4	3.6	3.9	4.1	4.4	4.6	4.8	3.7	3.6	3.6
80°	4.7	5.4	5.1	5.2	5.6	5.9	6.2	6.4	5.2	5.2	5.4
77.5°	6.8	7.7	7.2	7.5	7.3	7.3	8.0	8.2	7.8	8.3	8.9
75°	8.9	9.9	9.7	10.1	9.9	10.1	11.0	10.8	10.9	11.7	12.4
72.5°	10.9	12.4	12.3	12.6	13.1	13.6	14.1	14.5	14.9	15.8	16.0
70°	13.9	15.3	15.5	15.9	16.5	17.7	18.3	19.5	20.3	20.9	21.1
67.5°	17.2	19.5	19.3	20.4	21.6	22.5	23.5	24.6	26.4	26.4	27.7
65°	22.0	24.4	26.1	25.9	28.0	28.6	30.2	30.9	32.0	34.2	35.2
62.5°	27.5	30.3	33.4	34.3	35.7	36.5	37.9	38.9	41.4	43.6	43.1
60°	34.3	37.3	41.1	42.8	44.2	45.6	46.4	48.1	50.3	52.5	52.9
57.5°	41.9	46.0	49.2	51.3	52.7	55.1	55.9	58.3	60.0	63.3	64.6
55°	50.5	55.1	57.8	61.0	62.5	64.8	67.4	70.2	71.7	74.3	76.2
52.5°	59.6	64.8	69.4	72.8	75.1	78.4	81.4	83.8	85.8	88.7	90.4
50°	71.7	78.0	82.6	87.6	92.0	95.2	97.5	101.6	103.8	106.9	109.3
47.5°	86.3	94.6	101.5	108.6	114.1	119.0	122.3	126.3	129.0	134.7	137.9
45°	106.8	117.1	126.2	135.4	142.5	149.1	153.8	161.3	166.1	172.7	177.9
42.5°	131.0	143.6	155.1	166.3	175.1	183.5	190.3	198.1	205.6	213.4	220.9
40°	170.2	183.7	197.6	213.5	223.7	226.5	239.5	251.8	259.7	263.7	281.4
37.5°	226.8	261.8	290.7	309.7	318.6	339.5	366.8	390.0	408.8	428.9	455.9
35°	323.5	371.0	412.2	452.5	497.8	555.9	596.3	634.4	667.3	703.3	769.5
32.5°	436.5	502.4	570.0	640.1	711.5	780.4	841.6	901.5	957.2	998.7	1090.1
30°	547.6	631.4	723.7	810.6	895.0	984.6	1071.8	1155.3	1247.0	1326.5	1436.9
27.5°	657.2	759.3	867.7	967.0	1073.7	1183.5	1296.6	1411.4	1530.6	1636.0	1768.1
25°	776.0	904.8	1016.3	1143.8	1263.5	1394.2	1531.2	1651.7	1791.2	1922.8	2077.4
22.5°	922.7	1059.5	1206.2	1341.5	1493.6	1642.8	1799.3	1951.8	2099.4	2259.3	2453.9
20°	1073.8	1254.4	1420.7	1586.1	1753.0	1926.1	2104.6	2293.3	2486.8	2671.4	2908.8
17.5°	1339.0	1497.2	1707.1	1886.6	2047.1	2241.3	2424.5	2662.3	2892.9	3159.7	3451.7
15°	1651.2	1967.7	2135.0	2294.5	2508.2	2628.7	2858.9	3145.2	3469.9	3800.7	4097.6
12.5°	2178.7	2520.9	2747.6	2898.8	3071.4	3182.4	3407.5	3918.4	4663.1	5345.5	5240.5
10°	2751.9	3218.0	3443.2	3504.8	3689.3	3706.6	3942.1	4718.6	5980.3	6738.0	6280.1
7.5°	3109.8	3723.0	4054.8	4039.1	4109.6	4107.4	4358.1	5251.2	6708.6	7338.8	6855.8
5°	3419.2	4008.3	4284.1	4292.8	4368.0	4385.7	4703.6	5621.7	7153.2	7827.9	7380.2
2.5°	3512.1	4146.9	4378.2	4413.0	4493.4	4538.7	4930.2	5847.1	7423.4	8276.6	7762.2
0°	3571.8	4224.9	4371.9	4414.2	4519.3	4583.5	5033.6	5935.1	7541.1	8626.4	7996.2
-2.5°	3495.1	4136.2	4307.6	4387.4	4486.5	4566.8	5022.1	5872.0	7413.3	8664.9	8045.1
-5°	3393.7	3991.9	4193.4	4314.2	4418.1	4541.2	4969.7	5739.3	7133.6	8502.9	8050.7
-7.5°	3169.2	3724.1	4006.5	4175.9	4283.7	4438.0	4830.9	5510.4	6691.9	8102.2	8005.2
-10°	2910.2	3347.3	3624.1	3855.0	4045.2	4210.2	4558.3	5114.6	6066.5	7475.1	7860.1
-12.5°	2493.7	2867.3	3165.2	3402.6	3600.1	3844.1	4175.4	4633.6	5265.4	6506.6	7309.8
-15°	2095.8	2429.1	2662.6	2901.7	3177.0	3427.0	3762.8	4139.4	4573.3	5202.1	5999.5
-17.5°	1804.2	2023.2	2302.5	2569.3	2816.2	3100.9	3389.3	3713.0	4031.4	4407.9	4915.7
-20°	1548.3	1804.8	2052.8	2302.3	2552.8	2815.3	3086.0	3355.5	3620.8	3913.3	4321.9



REPORT NUMBER: P902132 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S7-ZVP418L

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1409.5	1622.9	1849.2	2065.9	2302.6	2538.4	2786.7	3050.1	3270.9	3522.7	3842.0
-25°	1276.1	1479.0	1667.0	1876.1	2085.1	2283.3	2517.3	2807.6	3018.0	3216.3	3419.8
-27.5°	1159.6	1342.4	1523.4	1709.8	1945.3	2116.3	2275.7	2533.0	2771.7	2971.4	3144.4
-30°	1041.5	1200.0	1374.4	1551.8	1839.0	1989.5	2035.1	2181.2	2404.3	2629.1	2796.7
-32.5°	897.0	1040.1	1181.0	1336.5	1583.5	1736.8	1738.3	1821.4	1981.2	2163.5	2358.7
-35°	731.7	846.9	962.1	1066.3	1166.2	1375.6	1370.6	1445.1	1589.0	1737.1	1891.5
-37.5°	572.0	659.3	741.8	812.8	866.1	955.0	1030.8	1104.5	1218.4	1324.6	1438.7
-40°	451.6	503.1	552.0	602.0	644.0	684.3	742.0	807.9	893.6	947.6	1045.2
-42.5°	361.4	407.6	448.2	481.7	508.5	536.6	560.3	619.0	684.8	740.9	815.4
-45°	316.2	354.5	388.7	417.0	446.6	473.7	500.4	528.5	580.5	636.4	704.2
-47.5°	283.0	319.5	352.4	384.2	414.2	440.2	471.9	506.1	544.5	595.6	655.9
-50°	252.2	289.7	326.4	361.2	392.5	418.8	452.0	483.8	520.9	565.3	612.9
-52.5°	223.6	264.6	307.7	340.2	371.2	395.7	424.5	450.4	479.0	512.6	556.4
-55°	199.5	243.5	293.0	319.4	347.7	366.2	388.1	412.5	433.4	466.3	501.5
-57.5°	170.7	210.0	242.6	283.6	294.2	329.4	334.6	359.7	372.9	399.8	427.3
-60°	134.5	162.7	181.1	202.0	210.6	226.2	246.9	250.7	278.2	292.6	311.6
-62.5°	91.1	115.7	119.0	134.6	138.5	143.8	152.5	160.1	157.7	186.1	198.7
-65°	64.8	73.6	79.6	83.4	95.2	96.4	106.8	113.4	120.1	131.1	143.6
-67.5°	48.3	53.6	57.5	63.2	68.9	72.2	78.6	84.8	91.4	99.9	109.8
-70°	36.2	38.4	41.9	46.1	49.5	53.1	57.6	61.3	67.3	73.4	80.4
-72.5°	25.2	27.3	29.1	31.4	34.4	36.9	40.3	43.8	47.3	51.1	56.0
-75°	17.3	18.0	18.8	21.0	22.4	23.7	25.1	27.5	30.4	32.8	35.2
-77.5°	10.3	10.7	11.4	12.1	13.0	14.6	15.5	15.8	17.3	19.3	19.9
-80°	6.1	5.7	5.7	5.2	5.8	7.4	8.3	8.5	8.7	9.6	9.1
-82.5°	3.2	1.7	1.9	2.4	2.8	3.3	3.8	4.2	2.9	3.1	1.9
-85°	2.1	0.5	0.6	0.8	0.9	1.1	1.2	1.4	0.1	0.0	0.0
-87.5°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-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: P902132 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S7-ZVP418L

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°	1.8	1.9	1.9	2.0	2.0	2.1	3.6	3.6	4.0	4.0	4.0
85°	3.6	3.6	3.6	3.6	4.1	4.2	4.3	4.3	5.5	5.5	5.5
82.5°	3.7	3.9	4.1	4.2	6.1	6.3	6.4	6.5	6.6	6.7	6.7
80°	5.8	6.3	6.7	7.0	8.1	8.4	8.6	8.7	8.8	8.9	9.0
77.5°	9.5	10.0	10.5	11.0	11.5	11.9	12.2	12.5	12.8	13.1	13.3
75°	13.1	13.8	14.5	15.1	15.6	16.1	16.5	16.9	17.3	17.5	18.4
72.5°	17.1	18.0	18.4	19.0	19.7	20.2	20.8	21.6	22.4	22.9	24.8
70°	22.5	23.3	23.4	24.6	24.9	25.2	26.4	28.5	30.2	31.0	31.9
67.5°	28.2	29.4	30.2	30.5	32.0	33.5	34.8	36.3	37.4	39.1	40.6
65°	35.7	36.9	39.5	38.3	40.5	41.9	44.6	46.3	47.6	48.8	50.0
62.5°	43.6	46.3	47.9	48.4	50.7	51.2	53.6	55.3	57.3	59.4	61.7
60°	53.9	56.7	57.6	58.9	61.0	62.9	65.7	68.1	70.4	73.3	75.3
57.5°	66.0	68.2	69.1	71.6	73.9	76.8	80.4	82.7	85.7	88.9	92.4
55°	78.8	81.1	82.6	86.1	88.2	91.0	96.0	100.5	103.4	107.8	111.5
52.5°	92.5	96.1	98.5	102.8	105.6	111.7	116.2	121.0	125.8	131.2	136.5
50°	112.2	116.5	119.2	125.3	130.5	138.3	144.0	150.2	157.6	164.4	169.2
47.5°	142.7	147.9	152.7	159.7	166.5	178.3	185.1	194.1	209.1	219.2	225.0
45°	184.3	190.8	200.9	209.9	225.0	237.6	253.4	273.3	291.3	306.8	320.4
42.5°	229.4	239.0	250.8	267.4	284.6	307.7	331.1	358.6	384.6	408.6	436.0
40°	283.2	306.1	318.6	392.1	376.0	397.7	422.4	475.4	508.9	564.5	600.6
37.5°	489.2	587.5	714.9	838.5	776.5	854.0	855.4	968.6	872.7	1337.9	1182.6
35°	883.5	991.0	1122.9	1361.1	1592.9	1810.0	2460.1	2755.3	3248.7	3233.3	3034.9
32.5°	1211.7	1314.2	1453.6	1630.2	1815.9	2224.1	2741.1	3077.4	3540.7	3613.9	3172.9
30°	1575.5	1714.2	1897.2	2148.6	2661.1	3311.0	4060.6	4820.7	5656.3	6108.2	6396.7
27.5°	1939.4	2117.0	2351.9	2662.0	3331.3	4317.8	5562.8	7023.8	8792.9	9756.9	10614.4
25°	2280.7	2476.4	2711.4	3033.6	3692.8	4978.1	7103.7	10294.8	13765.6	16112.6	17619.5
22.5°	2682.8	2931.2	3199.5	3524.3	4151.5	5594.2	8385.5	12881.5	19055.2	24153.6	25892.0
20°	3193.0	3518.9	3916.7	4458.1	5430.8	7582.1	11756.3	19650.0	29277.7	38580.9	45036.3
17.5°	3798.3	4204.2	4770.6	5603.0	7110.2	9900.9	15154.2	24713.7	38602.8	52869.5	62687.2
15°	4527.8	5139.6	6076.0	7614.4	10135.6	15071.2	24384.3	42328.1	69496.7	96753.8	111327.3
12.5°	5729.9	6674.2	8184.7	10998.6	15648.3	24769.8	42104.9	75587.6	128528.4	194272.0	237543.2
10°	6741.7	7911.6	9933.3	13683.5	19480.5	29690.2	50055.3	89510.0	157434.7	243100.1	317518.7
7.5°	7600.4	8971.1	11302.9	15362.8	21757.2	33378.4	57480.9	105056.9	182003.8	282159.2	374761.7
5°	8318.3	9842.6	12382.4	17121.2	25542.3	39407.3	66849.1	121093.7	211217.3	329525.5	437147.3
2.5°	8608.2	9993.0	12246.9	16693.4	24534.1	38509.7	65902.7	122915.1	213590.8	331480.3	438377.5
0°	8665.5	9909.7	11908.4	15739.8	22450.8	34755.1	58808.7	113342.3	199979.0	307358.9	394460.5
-2.5°	8570.9	9706.7	11517.4	15097.7	21360.8	33024.2	54765.6	99283.7	169964.2	258100.4	328587.5
-5°	8418.4	9545.6	11315.2	14421.6	20368.0	31417.6	50823.3	85601.7	140464.9	201263.1	249934.7
-7.5°	8119.8	9196.4	11262.4	14870.1	20972.3	31297.9	48566.1	77685.1	118889.5	163143.6	211056.4
-10°	7690.9	8536.3	10425.7	14079.7	20563.7	31075.2	46213.4	65460.1	92187.3	122988.3	153468.9
-12.5°	7233.5	7651.3	8869.0	11009.0	14931.8	21294.9	30426.8	42628.8	57168.2	71424.4	79744.8
-15°	6292.3	6767.2	7890.5	9744.5	12577.7	16462.6	21958.2	29876.5	37896.1	43893.0	48027.8
-17.5°	5354.7	5830.3	6584.7	7672.5	9476.4	11928.3	15389.1	19879.9	24563.2	27806.7	29507.3
-20°	4795.0	5286.5	5939.3	6865.5	8258.7	10174.1	12548.1	15595.9	18669.5	21424.4	22793.3



REPORT NUMBER: P902132 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S7-ZVP418L

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4274.3	4770.0	5404.2	6241.2	7380.5	8896.8	10960.8	13232.6	15744.4	17650.3	18739.1
-25°	3897.0	4510.0	5220.4	5981.6	6827.0	7976.9	9570.0	11519.1	13524.4	15391.7	16414.0
-27.5°	3502.2	4173.9	5159.1	6080.6	6601.3	7268.8	8139.8	9464.2	11122.5	12696.9	14287.4
-30°	3050.4	3541.0	4330.2	5402.0	6421.4	7017.8	7689.4	8456.2	9645.2	11035.3	12432.0
-32.5°	2573.8	2882.7	3374.8	4074.4	5069.5	6129.2	7182.9	8117.2	9207.7	10190.6	11361.7
-35°	2083.4	2328.7	2653.4	3102.5	3705.9	4655.2	5588.5	6907.5	7995.8	9197.7	10443.3
-37.5°	1586.0	1788.6	2060.0	2400.4	2826.5	3449.7	4223.7	5108.8	6124.9	7201.1	8131.9
-40°	1160.8	1298.7	1536.3	1838.3	2198.5	2697.4	3276.5	4078.1	4887.3	5793.7	6671.2
-42.5°	919.6	1044.5	1205.4	1466.0	1778.9	2230.6	2746.6	3370.2	4060.8	4781.8	5518.0
-45°	794.0	912.2	1057.1	1268.2	1533.8	1899.9	2347.9	2875.7	3467.6	4081.1	4667.8
-47.5°	731.6	830.8	954.3	1124.4	1354.1	1656.6	2025.2	2457.8	2958.9	3466.8	3947.0
-50°	679.1	757.5	857.9	1002.0	1196.6	1448.9	1756.4	2115.5	2517.2	2920.6	3307.3
-52.5°	607.3	678.3	765.6	889.6	1051.5	1253.2	1501.9	1786.9	2093.1	2411.8	2715.8
-55°	551.4	608.6	685.7	785.6	915.4	1070.9	1257.8	1472.3	1704.4	1941.7	2172.3
-57.5°	469.5	519.0	587.5	661.6	761.4	884.9	1019.9	1171.9	1341.7	1517.5	1685.6
-60°	344.9	385.9	428.2	485.6	567.3	658.2	749.0	865.0	991.1	1117.3	1237.2
-62.5°	218.0	258.3	291.2	331.1	389.9	457.4	528.5	609.5	700.3	787.8	868.3
-65°	160.5	182.4	209.4	240.1	280.6	327.3	378.9	434.8	495.9	559.8	617.6
-67.5°	122.2	137.9	157.3	179.6	206.8	239.0	274.9	313.6	353.4	392.5	430.9
-70°	88.8	100.3	114.7	130.9	147.6	168.8	193.0	218.7	244.8	270.8	294.0
-72.5°	61.6	68.9	79.0	89.8	101.1	114.8	129.9	146.6	163.0	180.0	195.3
-75°	39.0	44.2	50.4	57.1	64.1	72.5	82.0	91.2	101.1	110.5	120.2
-77.5°	21.7	24.6	28.7	32.3	35.9	40.1	45.2	49.6	53.8	59.8	64.4
-80°	10.1	11.4	12.1	13.5	14.9	17.3	18.7	21.1	22.4	24.8	25.8
-82.5°	2.3	3.0	3.2	3.6	4.0	4.3	4.7	5.0	5.2	4.8	5.1
-85°	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.7	0.0	0.0
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-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: P902132 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S7-ZVP418L

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°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	3.6
85°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	4.3
82.5°	6.8	6.8	6.8	6.9	6.8	6.8	6.8	6.7	6.7	6.6	6.5
80°	9.0	10.8	10.9	10.9	10.9	10.8	9.0	9.0	8.9	8.8	8.7
77.5°	13.4	14.9	15.0	15.1	15.0	14.9	13.4	13.3	13.1	12.8	12.5
75°	18.7	18.9	19.1	19.1	19.1	18.9	18.7	18.4	17.5	17.3	16.9
72.5°	25.5	25.7	25.9	25.9	25.9	25.7	25.5	24.8	22.9	22.4	21.6
70°	32.3	32.6	32.7	32.8	32.7	32.6	32.3	31.9	31.0	30.2	28.5
67.5°	42.5	43.4	42.4	42.4	42.4	43.4	42.5	40.6	39.1	37.4	36.3
65°	51.6	53.0	52.7	52.8	52.7	53.0	51.6	50.0	48.8	47.6	46.3
62.5°	63.2	64.4	64.6	64.7	64.6	64.4	63.2	61.7	59.4	57.3	55.3
60°	76.8	77.6	78.1	78.3	78.1	77.6	76.8	75.3	73.3	70.4	68.1
57.5°	95.1	97.3	96.9	96.9	96.9	97.3	95.1	92.4	88.9	85.7	82.7
55°	115.2	116.9	118.0	118.3	118.0	116.9	115.2	111.5	107.8	103.4	100.5
52.5°	139.7	142.0	143.4	143.8	143.4	142.0	139.7	136.5	131.2	125.8	121.0
50°	173.7	175.7	177.7	178.4	177.7	175.7	173.7	169.2	164.4	157.6	150.2
47.5°	233.3	240.9	245.3	245.7	245.3	240.9	233.3	225.0	219.2	209.1	194.1
45°	335.3	345.5	350.4	352.2	350.4	345.5	335.3	320.4	306.8	291.3	273.3
42.5°	456.6	472.3	481.5	484.6	481.5	472.3	456.6	436.0	408.6	384.6	358.6
40°	620.4	637.2	652.4	655.3	652.4	637.2	620.4	600.6	564.5	508.9	475.4
37.5°	1083.4	1259.6	1444.5	1546.9	1444.5	1259.6	1083.4	1182.6	1337.9	872.7	968.6
35°	2906.2	3067.6	3333.4	3682.5	3333.4	3067.6	2906.2	3034.9	3233.3	3248.7	2755.3
32.5°	3695.1	3795.4	3816.0	4058.4	3816.0	3795.4	3695.1	3172.9	3613.9	3540.7	3077.4
30°	6333.7	6191.7	6048.0	6121.7	6048.0	6191.7	6333.7	6396.7	6108.2	5656.3	4820.7
27.5°	10661.0	10552.2	10629.7	10703.4	10629.7	10552.2	10661.0	10614.4	9756.9	8792.9	7023.8
25°	18125.0	18179.9	18185.2	18145.7	18185.2	18179.9	18125.0	17619.5	16112.6	13765.6	10294.8
22.5°	27318.0	27194.3	26762.6	26678.9	26762.6	27194.3	27318.0	25892.0	24153.6	19055.2	12881.5
20°	46985.3	48420.8	48926.7	48287.3	48926.7	48420.8	46985.3	45036.3	38580.9	29277.7	19650.0
17.5°	71588.0	76083.1	78365.7	78275.9	78365.7	76083.1	71588.0	62687.2	52869.5	38602.8	24713.7
15°	134902.5	139655.2	155438.0	160832.3	155438.0	139655.2	134902.5	111327.3	96753.8	69496.7	42328.1
12.5°	251138.8	277094.0	295173.3	305411.1	295173.3	277094.0	251138.8	237543.2	194272.0	128528.4	75587.6
10°	330017.5	360737.1	382711.5	401122.8	382711.5	360737.1	330017.5	317518.7	243100.1	157434.7	89510.0
7.5°	394310.6	422244.7	442440.8	463837.0	442440.8	422244.7	394310.6	374761.7	282159.2	182003.8	105056.9
5°	473051.2	497354.2	523838.8	538091.8	523838.8	497354.2	473051.2	437147.3	329525.5	211217.3	121093.7
2.5°	472668.5	502107.6	529221.7	547047.7	529221.7	502107.6	472668.5	438377.5	331480.3	213590.8	122915.1
0°	428846.1	468301.3	498350.0	518605.4	498350.0	468301.3	428846.1	394460.5	307358.9	199979.0	113342.3
-2.5°	374488.5	421689.1	459042.9	481393.8	459042.9	421689.1	374488.5	328587.5	258100.4	169964.2	99283.7
-5°	310874.1	371967.5	417880.8	431822.3	417880.8	371967.5	310874.1	249934.7	201263.1	140464.9	85601.7
-7.5°	262227.1	304374.6	333691.6	338181.1	333691.6	304374.6	262227.1	211056.4	163143.6	118889.5	77685.1
-10°	177194.7	197892.9	211866.8	214832.6	211866.8	197892.9	177194.7	153468.9	122988.3	92187.3	65460.1
-12.5°	89901.4	100954.3	104687.8	104361.8	104687.8	100954.3	89901.4	79744.8	71424.4	57168.2	42628.8
-15°	52445.8	54976.4	57631.4	58227.1	57631.4	54976.4	52445.8	48027.8	43893.0	37896.1	29876.5
-17.5°	32550.4	33156.2	34335.5	35028.2	34335.5	33156.2	32550.4	29507.3	27806.7	24563.2	19879.9
-20°	24216.0	25260.8	25876.0	26445.4	25876.0	25260.8	24216.0	22793.3	21424.4	18669.5	15595.9



REPORT NUMBER: P902132 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S7-ZVP418L

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	19956.6	21276.1	22057.1	22768.8	22057.1	21276.1	19956.6	18739.1	17650.3	15744.4	13232.6
-25°	17446.0	18517.1	19482.3	20103.4	19482.3	18517.1	17446.0	16414.0	15391.7	13524.4	11519.1
-27.5°	15376.8	16429.0	17432.1	17876.3	17432.1	16429.0	15376.8	14287.4	12696.9	11122.5	9464.2
-30°	13714.5	14692.6	15532.1	15944.1	15532.1	14692.6	13714.5	12432.0	11035.3	9645.2	8456.2
-32.5°	12312.8	13099.6	13681.5	13929.9	13681.5	13099.6	12312.8	11361.7	10190.6	9207.7	8117.2
-35°	11166.8	11686.3	12071.4	12256.1	12071.4	11686.3	11166.8	10443.3	9197.7	7995.8	6907.5
-37.5°	8986.6	9696.3	10118.0	10301.1	10118.0	9696.3	8986.6	8131.9	7201.1	6124.9	5108.8
-40°	7405.2	7955.8	8296.0	8433.5	8296.0	7955.8	7405.2	6671.2	5793.7	4887.3	4078.1
-42.5°	6147.2	6633.4	6926.5	7061.8	6926.5	6633.4	6147.2	5518.0	4781.8	4060.8	3370.2
-45°	5191.6	5595.1	5847.9	5951.5	5847.9	5595.1	5191.6	4667.8	4081.1	3467.6	2875.7
-47.5°	4371.6	4706.5	4920.3	5010.4	4920.3	4706.5	4371.6	3947.0	3466.8	2958.9	2457.8
-50°	3649.5	3913.1	4087.9	4163.0	4087.9	3913.1	3649.5	3307.3	2920.6	2517.2	2115.5
-52.5°	2982.1	3188.6	3326.3	3387.6	3326.3	3188.6	2982.1	2715.8	2411.8	2093.1	1786.9
-55°	2375.4	2534.8	2644.9	2695.8	2644.9	2534.8	2375.4	2172.3	1941.7	1704.4	1472.3
-57.5°	1836.2	1958.9	2051.1	2098.3	2051.1	1958.9	1836.2	1685.6	1517.5	1341.7	1171.9
-60°	1342.7	1426.4	1488.1	1518.1	1488.1	1426.4	1342.7	1237.2	1117.3	991.1	865.0
-62.5°	939.2	994.7	1032.3	1047.1	1032.3	994.7	939.2	868.3	787.8	700.3	609.5
-65°	667.2	705.4	730.4	739.0	730.4	705.4	667.2	617.6	559.8	495.9	434.8
-67.5°	465.6	491.1	507.9	514.2	507.9	491.1	465.6	430.9	392.5	353.4	313.6
-70°	315.0	330.1	339.1	344.0	339.1	330.1	315.0	294.0	270.8	244.8	218.7
-72.5°	209.6	220.2	224.5	226.6	224.5	220.2	209.6	195.3	180.0	163.0	146.6
-75°	128.5	135.4	138.7	139.3	138.7	135.4	128.5	120.2	110.5	101.1	91.2
-77.5°	68.5	72.1	73.4	73.7	73.4	72.1	68.5	64.4	59.8	53.8	49.6
-80°	28.1	28.7	29.0	29.1	29.0	28.7	28.1	25.8	24.8	22.4	21.1
-82.5°	5.2	5.4	5.4	5.5	5.4	5.4	5.2	5.1	4.8	5.2	5.0
-85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-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: P902132 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S7-ZVP418L

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°	3.6	2.1	2.0	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6
85°	4.3	4.2	4.1	3.6	3.6	3.6	3.6	3.6	3.4	3.3	3.2
82.5°	6.4	6.3	6.1	4.2	4.1	3.9	3.7	3.6	3.6	3.7	4.8
80°	8.6	8.4	8.1	7.0	6.7	6.3	5.8	5.4	5.2	5.2	6.4
77.5°	12.2	11.9	11.5	11.0	10.5	10.0	9.5	8.9	8.3	7.8	8.2
75°	16.5	16.1	15.6	15.1	14.5	13.8	13.1	12.4	11.7	10.9	10.8
72.5°	20.8	20.2	19.7	19.0	18.4	18.0	17.1	16.0	15.8	14.9	14.5
70°	26.4	25.2	24.9	24.6	23.4	23.3	22.5	21.1	20.9	20.3	19.5
67.5°	34.8	33.5	32.0	30.5	30.2	29.4	28.2	27.7	26.4	26.4	24.6
65°	44.6	41.9	40.5	38.3	39.5	36.9	35.7	35.2	34.2	32.0	30.9
62.5°	53.6	51.2	50.7	48.4	47.9	46.3	43.6	43.1	43.6	41.4	38.9
60°	65.7	62.9	61.0	58.9	57.6	56.7	53.9	52.9	52.5	50.3	48.1
57.5°	80.4	76.8	73.9	71.6	69.1	68.2	66.0	64.6	63.3	60.0	58.3
55°	96.0	91.0	88.2	86.1	82.6	81.1	78.8	76.2	74.3	71.7	70.2
52.5°	116.2	111.7	105.6	102.8	98.5	96.1	92.5	90.4	88.7	85.8	83.8
50°	144.0	138.3	130.5	125.3	119.2	116.5	112.2	109.3	106.9	103.8	101.6
47.5°	185.1	178.3	166.5	159.7	152.7	147.9	142.7	137.9	134.7	129.0	126.3
45°	253.4	237.6	225.0	209.9	200.9	190.8	184.3	177.9	172.7	166.1	161.3
42.5°	331.1	307.7	284.6	267.4	250.8	239.0	229.4	220.9	213.4	205.6	198.1
40°	422.4	397.7	376.0	392.1	318.6	306.1	283.2	281.4	263.7	259.7	251.8
37.5°	855.4	854.0	776.5	838.5	714.9	587.5	489.2	455.9	428.9	408.8	390.0
35°	2460.1	1810.0	1592.9	1361.1	1122.9	991.0	883.5	769.5	703.3	667.3	634.4
32.5°	2741.1	2224.1	1815.9	1630.2	1453.6	1314.2	1211.7	1090.1	998.7	957.2	901.5
30°	4060.6	3311.0	2661.1	2148.6	1897.2	1714.2	1575.5	1436.9	1326.5	1247.0	1155.3
27.5°	5562.8	4317.8	3331.3	2662.0	2351.9	2117.0	1939.4	1768.1	1636.0	1530.6	1411.4
25°	7103.7	4978.1	3692.8	3033.6	2711.4	2476.4	2280.7	2077.4	1922.8	1791.2	1651.7
22.5°	8385.5	5594.2	4151.5	3524.3	3199.5	2931.2	2682.8	2453.9	2259.3	2099.4	1951.8
20°	11756.3	7582.1	5430.8	4458.1	3916.7	3518.9	3193.0	2908.8	2671.4	2486.8	2293.3
17.5°	15154.2	9900.9	7110.2	5603.0	4770.6	4204.2	3798.3	3451.7	3159.7	2892.9	2662.3
15°	24384.3	15071.2	10135.6	7614.4	6076.0	5139.6	4527.8	4097.6	3800.7	3469.9	3145.2
12.5°	42104.9	24769.8	15648.3	10998.6	8184.7	6674.2	5729.9	5240.5	5345.5	4663.1	3918.4
10°	50055.3	29690.2	19480.5	13683.5	9933.3	7911.6	6741.7	6280.1	6738.0	5980.3	4718.6
7.5°	57480.9	33378.4	21757.2	15362.8	11302.9	8971.1	7600.4	6855.8	7338.8	6708.6	5251.2
5°	66849.1	39407.3	25542.3	17121.2	12382.4	9842.6	8318.3	7380.2	7827.9	7153.2	5621.7
2.5°	65902.7	38509.7	24534.1	16693.4	12246.9	9993.0	8608.2	7762.2	8276.6	7423.4	5847.1
0°	58808.7	34755.1	22450.8	15739.8	11908.4	9909.7	8665.5	7996.2	8626.4	7541.1	5935.1
-2.5°	54765.6	33024.2	21360.8	15097.7	11517.4	9706.7	8570.9	8045.1	8664.9	7413.3	5872.0
-5°	50823.3	31417.6	20368.0	14421.6	11315.2	9545.6	8418.4	8050.7	8502.9	7133.6	5739.3
-7.5°	48566.1	31297.9	20972.3	14870.1	11262.4	9196.4	8119.8	8005.2	8102.2	6691.9	5510.4
-10°	46213.4	31075.2	20563.7	14079.7	10425.7	8536.3	7690.9	7860.1	7475.1	6066.5	5114.6
-12.5°	30426.8	21294.9	14931.8	11009.0	8869.0	7651.3	7233.5	7309.8	6506.6	5265.4	4633.6
-15°	21958.2	16462.6	12577.7	9744.5	7890.5	6767.2	6292.3	5999.5	5202.1	4573.3	4139.4
-17.5°	15389.1	11928.3	9476.4	7672.5	6584.7	5830.3	5354.7	4915.7	4407.9	4031.4	3713.0
-20°	12548.1	10174.1	8258.7	6865.5	5939.3	5286.5	4795.0	4321.9	3913.3	3620.8	3355.5



REPORT NUMBER: P902132 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S7-ZVP418L

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	10960.8	8896.8	7380.5	6241.2	5404.2	4770.0	4274.3	3842.0	3522.7	3270.9	3050.1
-25°	9570.0	7976.9	6827.0	5981.6	5220.4	4510.0	3897.0	3419.8	3216.3	3018.0	2807.6
-27.5°	8139.8	7268.8	6601.3	6080.6	5159.1	4173.9	3502.2	3144.4	2971.4	2771.7	2533.0
-30°	7689.4	7017.8	6421.4	5402.0	4330.2	3541.0	3050.4	2796.7	2629.1	2404.3	2181.2
-32.5°	7182.9	6129.2	5069.5	4074.4	3374.8	2882.7	2573.8	2358.7	2163.5	1981.2	1821.4
-35°	5588.5	4655.2	3705.9	3102.5	2653.4	2328.7	2083.4	1891.5	1737.1	1589.0	1445.1
-37.5°	4223.7	3449.7	2826.5	2400.4	2060.0	1788.6	1586.0	1438.7	1324.6	1218.4	1104.5
-40°	3276.5	2697.4	2198.5	1838.3	1536.3	1298.7	1160.8	1045.2	947.6	893.6	807.9
-42.5°	2746.6	2230.6	1778.9	1466.0	1205.4	1044.5	919.6	815.4	740.9	684.8	619.0
-45°	2347.9	1899.9	1533.8	1268.2	1057.1	912.2	794.0	704.2	636.4	580.5	528.5
-47.5°	2025.2	1656.6	1354.1	1124.4	954.3	830.8	731.6	655.9	595.6	544.5	506.1
-50°	1756.4	1448.9	1196.6	1002.0	857.9	757.5	679.1	612.9	565.3	520.9	483.8
-52.5°	1501.9	1253.2	1051.5	889.6	765.6	678.3	607.3	556.4	512.6	479.0	450.4
-55°	1257.8	1070.9	915.4	785.6	685.7	608.6	551.4	501.5	466.3	433.4	412.5
-57.5°	1019.9	884.9	761.4	661.6	587.5	519.0	469.5	427.3	399.8	372.9	359.7
-60°	749.0	658.2	567.3	485.6	428.2	385.9	344.9	311.6	292.6	278.2	250.7
-62.5°	528.5	457.4	389.9	331.1	291.2	258.3	218.0	198.7	186.1	157.7	160.1
-65°	378.9	327.3	280.6	240.1	209.4	182.4	160.5	143.6	131.1	120.1	113.4
-67.5°	274.9	239.0	206.8	179.6	157.3	137.9	122.2	109.8	99.9	91.4	84.8
-70°	193.0	168.8	147.6	130.9	114.7	100.3	88.8	80.4	73.4	67.3	61.3
-72.5°	129.9	114.8	101.1	89.8	79.0	68.9	61.6	56.0	51.1	47.3	43.8
-75°	82.0	72.5	64.1	57.1	50.4	44.2	39.0	35.2	32.8	30.4	27.5
-77.5°	45.2	40.1	35.9	32.3	28.7	24.6	21.7	19.9	19.3	17.3	15.8
-80°	18.7	17.3	14.9	13.5	12.1	11.4	10.1	9.1	9.6	8.7	8.5
-82.5°	4.7	4.3	4.0	3.6	3.2	3.0	2.3	1.9	3.1	2.9	4.2
-85°	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.1	1.4
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-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: P902132 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S7-ZVP418L

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°	1.5	1.4	1.4	1.3	1.2	1.1	1.0	1.0	1.7	1.5	1.4
85°	3.0	2.9	2.7	2.6	2.4	2.2	2.1	2.0	3.4	3.1	2.7
82.5°	4.6	4.4	4.1	3.9	3.6	3.4	3.1	3.0	4.4	4.1	3.8
80°	6.2	5.9	5.6	5.2	5.1	5.4	4.7	4.2	5.3	4.9	4.5
77.5°	8.0	7.3	7.3	7.5	7.2	7.7	6.8	6.1	6.2	5.8	5.2
75°	11.0	10.1	9.9	10.1	9.7	9.9	8.9	7.9	7.0	6.7	6.3
72.5°	14.1	13.6	13.1	12.6	12.3	12.4	10.9	10.1	8.9	7.8	7.6
70°	18.3	17.7	16.5	15.9	15.5	15.3	13.9	12.7	11.4	10.1	8.9
67.5°	23.5	22.5	21.6	20.4	19.3	19.5	17.2	15.7	14.1	12.5	11.0
65°	30.2	28.6	28.0	25.9	26.1	24.4	22.0	19.4	17.2	15.4	13.4
62.5°	37.9	36.5	35.7	34.3	33.4	30.3	27.5	25.1	21.0	19.1	15.9
60°	46.4	45.6	44.2	42.8	41.1	37.3	34.3	31.2	27.0	23.0	19.7
57.5°	55.9	55.1	52.7	51.3	49.2	46.0	41.9	38.2	33.0	28.1	23.6
55°	67.4	64.8	62.5	61.0	57.8	55.1	50.5	45.6	39.9	33.4	27.3
52.5°	81.4	78.4	75.1	72.8	69.4	64.8	59.6	54.7	47.1	38.6	32.2
50°	97.5	95.2	92.0	87.6	82.6	78.0	71.7	65.0	55.6	46.9	38.0
47.5°	122.3	119.0	114.1	108.6	101.5	94.6	86.3	78.8	68.3	56.1	44.4
45°	153.8	149.1	142.5	135.4	126.2	117.1	106.8	95.3	82.5	68.2	53.6
42.5°	190.3	183.5	175.1	166.3	155.1	143.6	131.0	114.6	101.7	88.1	69.7
40°	239.5	226.5	223.7	213.5	197.6	183.7	170.2	152.3	128.9	112.9	90.3
37.5°	366.8	339.5	318.6	309.7	290.7	261.8	226.8	203.1	175.1	142.7	114.9
35°	596.3	555.9	497.8	452.5	412.2	371.0	323.5	273.4	235.0	191.6	147.3
32.5°	841.6	780.4	711.5	640.1	570.0	502.4	436.5	368.6	307.4	247.9	189.6
30°	1071.8	984.6	895.0	810.6	723.7	631.4	547.6	461.1	384.3	307.0	236.2
27.5°	1296.6	1183.5	1073.7	967.0	867.7	759.3	657.2	554.7	461.2	371.5	284.5
25°	1531.2	1394.2	1263.5	1143.8	1016.3	904.8	776.0	664.4	544.1	441.0	334.1
22.5°	1799.3	1642.8	1493.6	1341.5	1206.2	1059.5	922.7	779.1	651.4	517.1	410.6
20°	2104.6	1926.1	1753.0	1586.1	1420.7	1254.4	1073.8	935.1	764.0	634.2	501.7
17.5°	2424.5	2241.3	2047.1	1886.6	1707.1	1497.2	1339.0	1106.2	938.6	804.9	600.1
15°	2858.9	2628.7	2508.2	2294.5	2135.0	1967.7	1651.2	1400.8	1205.4	988.9	720.2
12.5°	3407.5	3182.4	3071.4	2898.8	2747.6	2520.9	2178.7	1808.0	1481.6	1189.8	862.1
10°	3942.1	3706.6	3689.3	3504.8	3443.2	3218.0	2751.9	2187.0	1739.8	1399.1	1003.8
7.5°	4358.1	4107.4	4109.6	4039.1	4054.8	3723.0	3109.8	2478.7	1989.9	1607.8	1129.8
5°	4703.6	4385.7	4368.0	4292.8	4284.1	4008.3	3419.2	2728.7	2159.6	1706.3	1189.2
2.5°	4930.2	4538.7	4493.4	4413.0	4378.2	4146.9	3512.1	2794.7	2220.0	1761.5	1242.8
0°	5033.6	4583.5	4519.3	4414.2	4371.9	4224.9	3571.8	2846.9	2270.8	1807.6	1290.6
-2.5°	5022.1	4566.8	4486.5	4387.4	4307.6	4136.2	3495.1	2798.3	2239.3	1777.0	1283.1
-5°	4969.7	4541.2	4418.1	4314.2	4193.4	3991.9	3393.7	2737.3	2198.9	1739.1	1270.0
-7.5°	4830.9	4438.0	4283.7	4175.9	4006.5	3724.1	3169.2	2566.2	2081.4	1670.9	1251.5
-10°	4558.3	4210.2	4045.2	3855.0	3624.1	3347.3	2910.2	2366.3	1905.5	1522.3	1155.8
-12.5°	4175.4	3844.1	3600.1	3402.6	3165.2	2867.3	2493.7	2083.0	1716.4	1369.9	1041.0
-15°	3762.8	3427.0	3177.0	2901.7	2662.6	2429.1	2095.8	1765.6	1485.9	1210.3	924.4
-17.5°	3389.3	3100.9	2816.2	2569.3	2302.5	2023.2	1804.2	1513.9	1259.8	1047.3	813.7
-20°	3086.0	2815.3	2552.8	2302.3	2052.8	1804.8	1548.3	1339.1	1099.5	890.1	710.8



REPORT NUMBER: P902132 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S7-ZVP418L

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2786.7	2538.4	2302.6	2065.9	1849.2	1622.9	1409.5	1181.1	985.5	776.5	611.9
-25°	2517.3	2283.3	2085.1	1876.1	1667.0	1479.0	1276.1	1079.5	876.5	700.1	525.9
-27.5°	2275.7	2116.3	1945.3	1709.8	1523.4	1342.4	1159.6	980.3	796.0	630.1	474.8
-30°	2035.1	1989.5	1839.0	1551.8	1374.4	1200.0	1041.5	874.9	714.8	559.6	422.6
-32.5°	1738.3	1736.8	1583.5	1336.5	1181.0	1040.1	897.0	754.3	625.4	484.9	369.5
-35°	1370.6	1375.6	1166.2	1066.3	962.1	846.9	731.7	622.7	515.2	407.6	314.4
-37.5°	1030.8	955.0	866.1	812.8	741.8	659.3	572.0	496.9	417.2	334.8	262.8
-40°	742.0	684.3	644.0	602.0	552.0	503.1	451.6	397.8	336.6	281.5	220.5
-42.5°	560.3	536.6	508.5	481.7	448.2	407.6	361.4	320.0	281.4	235.3	183.5
-45°	500.4	473.7	446.6	417.0	388.7	354.5	316.2	281.4	240.9	196.2	152.5
-47.5°	471.9	440.2	414.2	384.2	352.4	319.5	283.0	247.9	210.6	171.2	133.2
-50°	452.0	418.8	392.5	361.2	326.4	289.7	252.2	217.5	183.4	150.5	118.1
-52.5°	424.5	395.7	371.2	340.2	307.7	264.6	223.6	191.4	160.6	130.1	103.1
-55°	388.1	366.2	347.7	319.4	293.0	243.5	199.5	165.6	138.4	112.8	88.6
-57.5°	334.6	329.4	294.2	283.6	242.6	210.0	170.7	139.0	115.6	95.0	74.8
-60°	246.9	226.2	210.6	202.0	181.1	162.7	134.5	110.5	90.7	77.2	60.1
-62.5°	152.5	143.8	138.5	134.6	119.0	115.7	91.1	83.7	64.6	60.4	45.7
-65°	106.8	96.4	95.2	83.4	79.6	73.6	64.8	58.5	49.9	45.0	36.8
-67.5°	78.6	72.2	68.9	63.2	57.5	53.6	48.3	43.7	38.3	33.9	28.1
-70°	57.6	53.1	49.5	46.1	41.9	38.4	36.2	32.5	28.6	25.1	20.1
-72.5°	40.3	36.9	34.4	31.4	29.1	27.3	25.2	23.4	20.5	17.1	15.4
-75°	25.1	23.7	22.4	21.0	18.8	18.0	17.3	15.4	13.6	12.1	10.6
-77.5°	15.5	14.6	13.0	12.1	11.4	10.7	10.3	10.2	9.0	7.2	6.8
-80°	8.3	7.4	5.8	5.2	5.7	5.7	6.1	6.3	5.1	4.5	4.6
-82.5°	3.8	3.3	2.8	2.4	1.9	1.7	3.2	4.0	3.4	2.9	2.5
-85°	1.2	1.1	0.9	0.8	0.6	0.5	2.1	2.0	1.7	1.5	1.4
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	0.9	0.8	0.7
-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: P902132 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S7-ZVP418L

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°	1.2	1.0	0.8	0.6	0.4	0.2	0.0
85°	2.3	1.9	1.6	1.2	0.8	0.4	0.0
82.5°	3.5	2.9	2.3	1.8	1.2	0.6	0.0
80°	4.1	3.8	3.1	2.3	1.6	0.8	0.0
77.5°	4.8	4.3	3.9	2.9	1.9	1.0	0.0
75°	5.3	4.9	4.7	3.5	2.3	1.2	0.0
72.5°	6.4	5.6	5.4	4.1	2.7	1.4	0.0
70°	7.8	6.7	6.2	4.6	3.1	1.5	0.0
67.5°	9.2	8.2	6.9	5.2	3.4	1.7	0.0
65°	11.1	9.7	7.9	5.8	3.8	1.9	0.0
62.5°	13.4	11.2	9.2	6.3	4.2	2.1	0.0
60°	15.7	13.0	10.4	6.8	4.6	2.2	0.0
57.5°	18.0	15.2	11.7	7.4	5.1	2.4	0.0
55°	21.3	17.5	13.1	8.8	5.5	2.6	0.0
52.5°	24.9	19.9	14.7	10.3	5.9	2.7	0.0
50°	28.6	22.6	17.0	11.8	6.3	2.9	0.0
47.5°	33.0	26.8	19.7	13.4	6.8	3.0	0.0
45°	41.3	31.9	23.2	15.1	7.2	3.2	0.0
42.5°	50.6	37.7	27.2	16.8	7.7	3.3	0.0
40°	63.5	44.3	31.6	19.2	8.2	3.4	0.0
37.5°	81.9	51.6	36.5	22.0	8.6	3.6	0.0
35°	107.1	66.6	43.8	26.4	9.9	3.8	0.0
32.5°	136.7	86.7	52.7	31.8	11.6	4.0	0.0
30°	167.9	107.8	62.2	37.6	13.3	4.2	0.0
27.5°	205.4	129.5	78.4	44.0	15.2	4.4	0.0
25°	246.9	151.9	96.7	50.7	17.2	4.6	0.0
22.5°	290.8	183.7	116.3	57.7	19.1	4.8	0.0
20°	338.6	240.4	137.0	65.0	21.1	5.0	0.0
17.5°	420.1	301.7	158.6	73.0	23.1	5.1	0.0
15°	518.9	366.7	180.8	81.2	25.0	5.3	0.0
12.5°	617.7	432.5	201.7	89.4	26.9	5.4	0.0
10°	715.7	484.4	221.9	97.4	28.7	5.6	0.0
7.5°	778.7	523.1	241.4	105.2	30.4	5.7	0.0
5°	827.5	559.8	260.3	112.7	31.9	5.8	0.0
2.5°	872.9	594.2	278.2	119.7	33.3	5.8	0.0
0°	914.7	626.2	294.9	126.1	34.5	5.9	0.0
-2.5°	907.0	613.2	286.8	123.4	34.3	5.9	0.0
-5°	895.3	597.5	277.5	120.1	33.8	6.0	0.0
-7.5°	879.5	578.8	267.0	116.3	33.2	6.0	0.0
-10°	844.0	556.9	255.4	111.9	32.4	6.0	0.0
-12.5°	759.3	515.7	242.9	107.1	31.4	6.0	0.0
-15°	672.5	453.2	227.7	101.9	30.2	6.0	0.0
-17.5°	583.9	391.0	206.7	96.4	28.9	5.9	0.0
-20°	504.8	332.0	186.1	90.1	27.5	5.8	0.0



REPORT NUMBER: P902132 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S7-ZVP418L

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	447.7	276.7	165.9	82.8	25.9	5.7	0.0
-25°	394.7	243.4	146.5	75.5	24.3	5.6	0.0
-27.5°	345.2	218.3	128.0	68.3	22.5	5.5	0.0
-30°	300.7	193.3	111.3	61.3	20.6	5.3	0.0
-32.5°	261.6	168.6	99.6	54.5	18.6	5.1	0.0
-35°	222.1	144.4	88.0	48.1	16.5	4.9	0.0
-37.5°	185.7	123.5	77.6	42.7	14.8	4.7	0.0
-40°	156.5	108.9	70.0	39.1	14.3	4.6	0.0
-42.5°	132.9	95.6	62.6	35.7	13.7	4.5	0.0
-45°	114.1	83.4	55.6	32.5	13.1	4.4	0.0
-47.5°	97.0	72.5	48.9	29.3	12.3	4.2	0.0
-50°	86.8	62.9	42.8	26.1	11.6	4.1	0.0
-52.5°	77.4	55.7	36.8	22.9	10.8	3.9	0.0
-55°	67.7	48.8	32.5	19.8	9.9	3.7	0.0
-57.5°	57.1	41.8	28.5	16.6	9.0	3.5	0.0
-60°	47.8	34.6	24.5	15.0	8.1	3.3	0.0
-62.5°	38.6	28.6	20.4	13.4	7.1	3.0	0.0
-65°	29.6	23.6	16.2	11.8	6.1	2.8	0.0
-67.5°	22.6	18.7	12.9	10.2	5.3	2.6	0.0
-70°	17.6	13.7	10.7	8.5	4.7	2.3	0.0
-72.5°	12.9	10.3	8.6	6.9	4.1	2.0	0.0
-75°	8.9	8.2	6.5	5.3	3.6	1.8	0.0
-77.5°	6.5	6.2	4.5	4.5	3.0	1.5	0.0
-80°	4.1	4.2	3.2	3.6	2.4	1.2	0.0
-82.5°	1.8	2.9	2.4	2.7	1.8	0.9	0.0
-85°	1.2	1.9	1.6	1.8	1.2	0.6	0.0
-87.5°	0.6	1.0	0.8	0.9	0.6	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)