

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: P902130 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-S6-ZVP418L**

Issue Date: 11/14/2024

Test Information

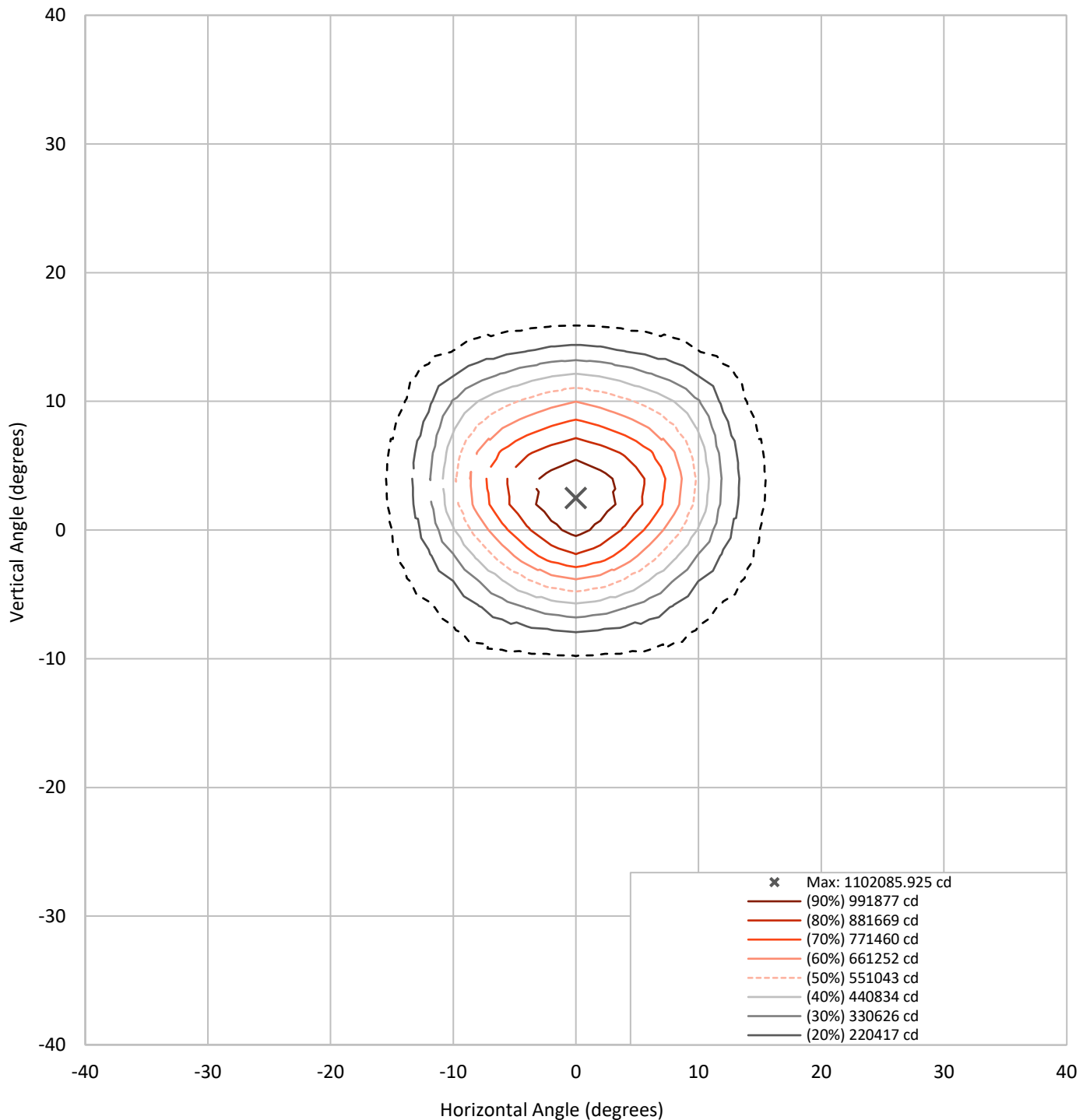
Test Method: LM-79-08
Report Number: P902130 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVA2007037)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-S6-ZVP418L
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND S6-ZVP418L OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 2V
Luminaire Lumens:	114954.6 lumens	Max Intensity:	1102085.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 2.5°V
Efficacy:	81.4 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	19.6°H x 15.8°V	Field Angle (10%):	30°H x 25.6°V
Beam Lumens:	59016.3 lumens	Field Lumens:	92030.5 lumens
Beam Efficiency:	51.3%	Field Efficiency:	80.1%
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: P902130 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-AV-03-1360S-57-85-S6-ZVP418L

Iso-Candela Plot





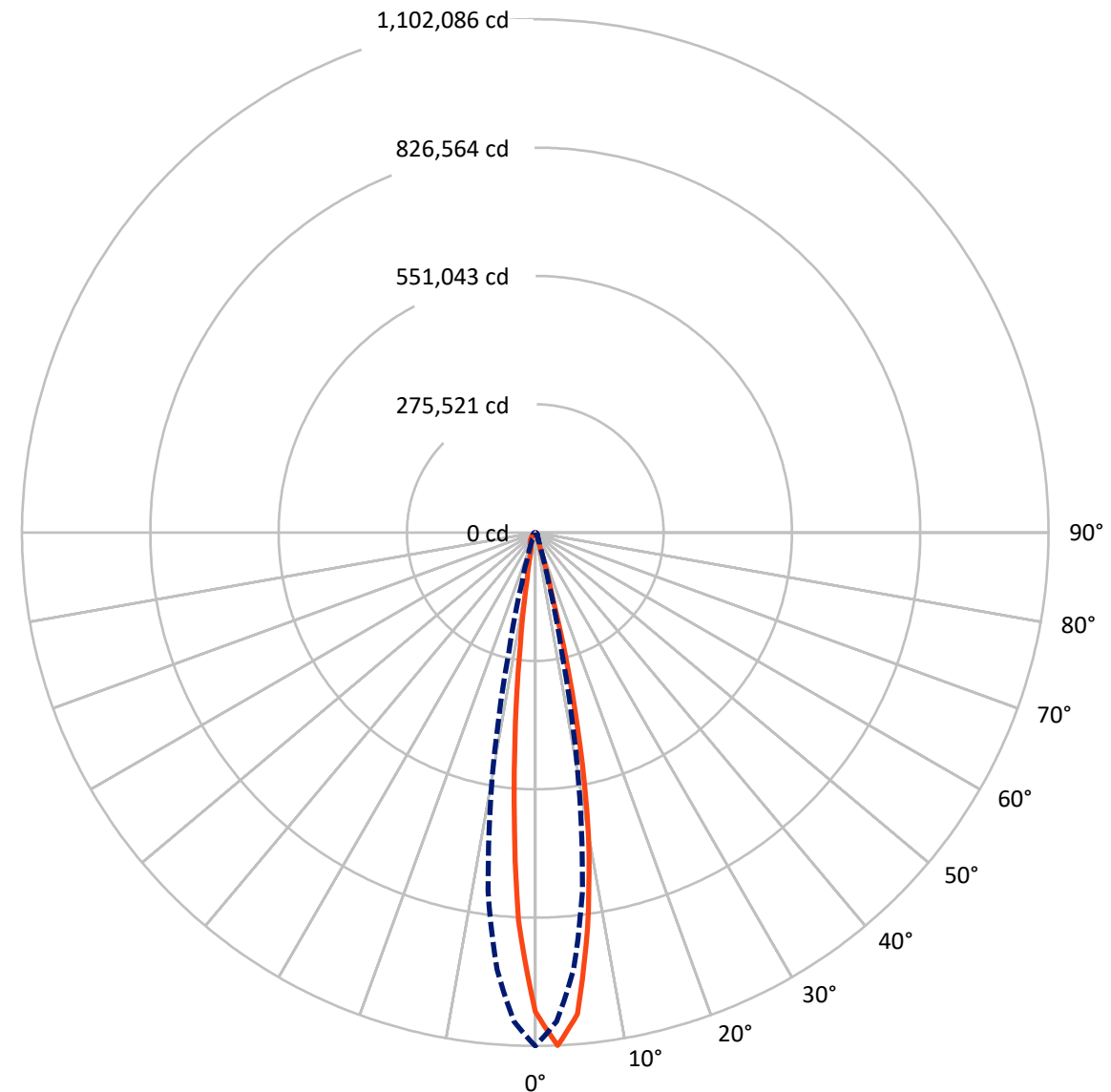
REPORT NUMBER: P902130 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S6-ZVP418L

Lumen Table

90	0.1	0.3		0.6		1.0		1.2		1.0		0.6		0.3		0.1			
80	0.1	0.3		0.6		1.0		1.2		1.0		0.6		0.3		0.1			
70	0.3	0.2	0.4	0.6	0.8	0.9	1.1	1.2	1.2	1.1	0.9	0.8	0.6	0.4	0.2	0.3			
60		0.5	1.0	1.3	1.7	2.0	2.4	2.7	2.7	2.4	2.0	1.7	1.3	1.0	0.5				
50	1.3	1.2	2.2	3.1	4.0	4.9	6.3	8.0	8.0	6.3	4.9	4.0	3.1	2.2	1.2	1.3			
40		3.5	7.4	12.7	19.0	26.6	35.4	55.8	55.8	35.4	26.6	19.0	12.7	7.4	3.5				
30	6.5	7.8	17.4	31.7	50.3	76.7	124.9	250.1	250.1	124.9	76.7	50.3	31.7	17.4	7.8	6.5			
20		17.6	35.6	63.3	100.4	191.0	1240.1	5563.5	5563.5	1240.1	191.0	100.4	63.3	35.6	17.6				
10	15.5	32.0	64.7	118.4	174.6	416.9	4676.0	23656.5	23656.5	4676.0	416.9	174.6	118.4	64.7	32.0	15.5			
0		31.3	61.0	121.1	180.0	356.0	2462.6	12127.8	12127.8	2462.6	356.0	180.0	121.1	61.0	31.3				
-10	8.9	21.6	43.5	86.1	128.8	220.6	514.5	1202.2	1202.2	514.5	220.6	128.8	86.1	43.5	21.6	8.9			
-20		13.0	28.5	52.6	87.1	143.0	305.6	663.2	663.2	305.6	143.0	87.1	52.6	28.5	13.0				
-30	3.1	8.1	16.1	28.3	55.4	89.9	198.0	422.2	422.2	198.0	89.9	55.4	28.3	16.1	8.1	3.1			
-40		3.5	6.9	11.0	17.7	37.4	104.0	211.5	211.5	104.0	37.4	17.7	11.0	6.9	3.5				
-50	0.8	2.0	4.8	7.7	11.9	22.5	51.2	91.0	91.0	51.2	22.5	11.9	7.7	4.8	2.0	0.8			
-60		0.8	1.6	2.5	4.1	7.7	15.6	24.9	24.9	15.6	7.7	4.1	2.5	1.6	0.8				
-70	0.1	0.6		1.7		5.3		9.7		5.3		1.7		0.6		0.1			
-80		0.6		1.7		5.3		9.7		5.3		1.7		0.6					
-90	0.1	0.6		1.7		5.3		9.7		5.3		1.7		0.6		0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P902130 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-AV-03-1360S-57-85-S6-ZVP418L

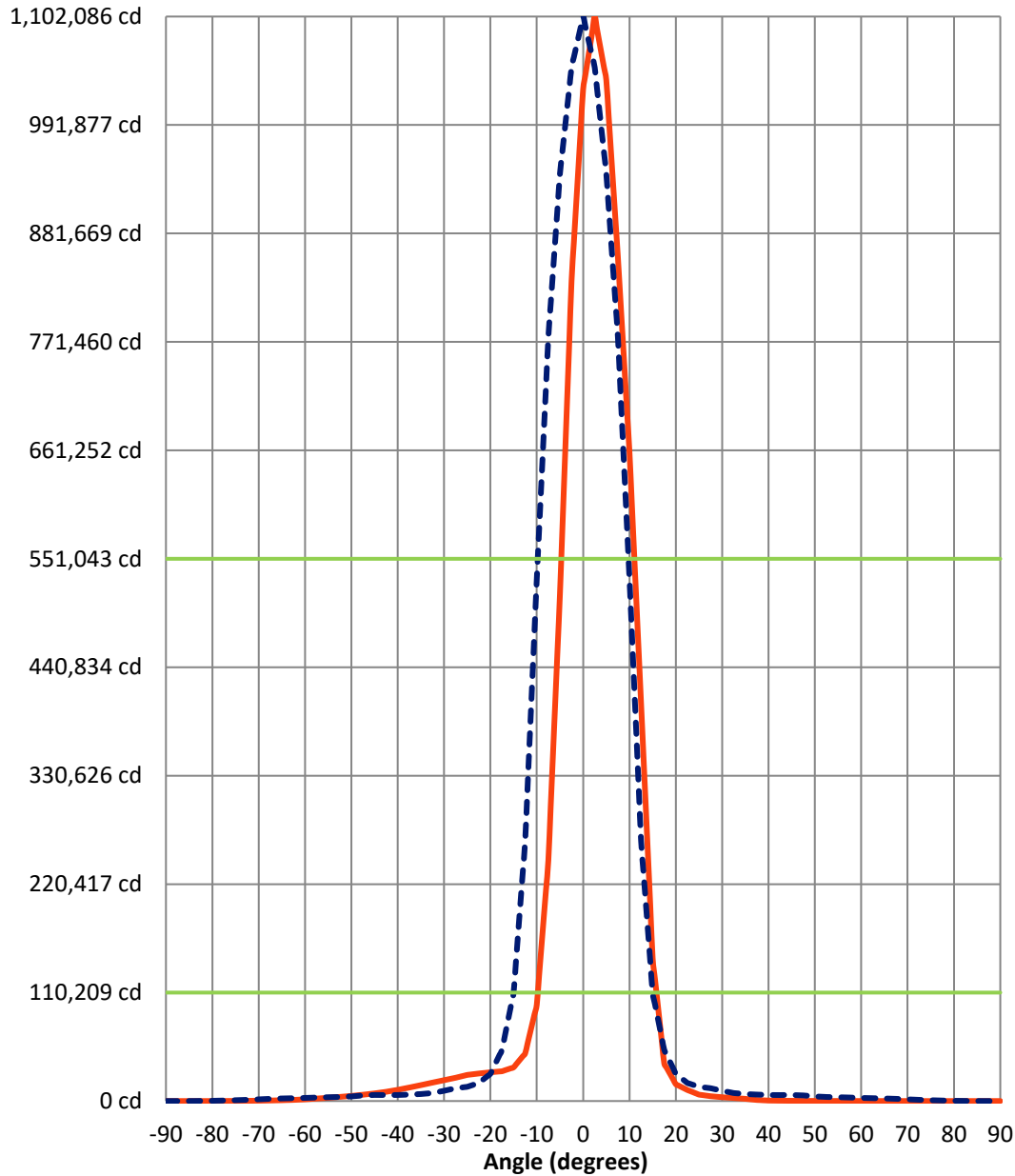
Luminous Intensity Polar Plot



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

REPORT NUMBER: P902130 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S6-ZVP418L

Luminous Intensity Plot



Beam:
 H Angle: 19.6°
 V Angle: 15.8°
 Lumens: 59016.3
 Efficiency: 51.3%

Field:
 H Angle: 30°
 V Angle: 25.6°
 Lumens: 92030.5
 Efficiency: 80.1%

Spill:
 Lumens: 22924
 Efficiency: 19.9%

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



REPORT NUMBER: P902130 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S6-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	0.8	0.9	1.0
85°	0.0	0.4	0.8	1.2	1.6	1.9	2.3	2.7	1.6	1.7	1.9
82.5°	0.0	0.6	1.2	1.8	2.3	2.9	3.5	3.8	2.4	2.6	2.8
80°	0.0	0.8	1.6	2.3	3.1	3.7	4.1	4.5	3.3	3.4	4.0
77.5°	0.0	1.0	1.9	2.9	3.8	4.3	4.8	5.2	4.3	5.0	5.9
75°	0.0	1.2	2.3	3.5	4.2	4.8	5.3	6.0	5.8	6.7	7.8
72.5°	0.0	1.4	2.7	4.1	4.7	5.2	6.3	6.9	7.2	8.6	9.6
70°	0.0	1.5	3.1	4.6	5.2	6.0	7.4	7.9	9.2	10.7	11.6
67.5°	0.0	1.7	3.4	5.2	5.8	7.1	8.5	9.9	11.4	13.2	14.1
65°	0.0	1.9	3.8	5.8	6.7	8.3	10.0	12.0	13.9	15.9	17.4
62.5°	0.0	2.1	4.2	6.3	7.9	9.5	12.0	14.1	17.3	19.0	22.1
60°	0.0	2.2	4.6	6.8	9.1	11.1	14.0	17.3	21.1	24.2	27.5
57.5°	0.0	2.4	5.1	7.4	10.3	13.0	16.2	20.6	25.5	29.5	34.2
55°	0.0	2.6	5.5	8.4	11.4	14.8	19.4	24.1	30.1	35.6	40.8
52.5°	0.0	2.7	5.9	9.4	12.7	16.7	22.8	28.9	35.0	42.1	49.4
50°	0.0	2.9	6.3	10.5	14.8	19.0	26.2	34.2	42.6	49.9	59.3
47.5°	0.0	3.0	6.8	11.7	17.1	23.0	30.0	39.8	51.1	62.1	72.3
45°	0.0	3.2	7.2	12.9	20.1	27.6	36.8	48.2	62.7	76.2	88.2
42.5°	0.0	3.3	7.7	14.1	23.6	32.8	44.5	63.2	82.1	95.7	107.2
40°	0.0	3.4	8.2	16.3	27.6	38.5	55.4	81.8	105.9	123.1	144.2
37.5°	0.0	3.6	8.6	19.1	32.0	44.8	71.1	103.8	134.0	166.3	195.0
35°	0.0	3.8	9.9	23.6	38.6	58.1	93.1	132.1	176.0	220.2	262.3
32.5°	0.0	4.0	11.6	29.0	46.5	76.5	118.6	168.0	223.2	281.6	338.2
30°	0.0	4.2	13.3	34.9	55.1	96.1	145.2	207.5	271.7	344.1	413.2
27.5°	0.0	4.4	15.2	41.3	69.5	116.9	179.3	248.4	326.3	408.0	491.4
25°	0.0	4.6	17.2	47.9	85.5	138.6	217.6	290.6	387.6	478.7	585.2
22.5°	0.0	4.8	19.1	54.9	102.3	166.6	257.9	361.1	455.1	574.0	684.0
20°	0.0	5.0	21.1	62.1	119.9	210.1	301.9	446.5	566.7	674.3	824.5
17.5°	0.0	5.1	23.1	70.0	137.9	256.4	379.8	539.7	738.9	858.1	980.8
15°	0.0	5.3	25.0	78.3	156.3	306.4	478.0	666.0	928.3	1175.0	1289.5
12.5°	0.0	5.4	26.9	86.6	177.0	359.9	579.0	830.4	1154.3	1513.5	1716.9
10°	0.0	5.6	28.7	94.8	198.6	408.7	681.5	997.1	1402.6	1824.8	2106.8
7.5°	0.0	5.7	30.4	102.8	219.9	451.6	750.9	1144.1	1650.6	2122.8	2407.7
5°	0.0	5.8	31.9	110.6	240.9	492.1	805.7	1198.5	1729.3	2283.8	2653.0
2.5°	0.0	5.8	33.3	117.9	261.1	530.1	856.4	1245.9	1743.3	2258.6	2636.4
0°	0.0	5.9	34.5	124.6	280.3	565.2	902.9	1287.0	1747.5	2225.8	2614.9
-2.5°	0.0	5.9	34.2	121.2	271.0	549.9	885.7	1270.7	1720.6	2176.8	2555.0
-5°	0.0	6.0	33.7	117.2	260.6	531.6	864.1	1248.8	1686.8	2120.9	2488.2
-7.5°	0.0	6.0	33.0	112.7	249.1	510.1	838.2	1221.1	1620.5	2007.2	2361.2
-10°	0.0	6.0	32.1	107.7	236.7	485.7	793.5	1116.5	1468.2	1847.5	2214.0
-12.5°	0.0	6.0	31.0	102.3	223.6	446.0	702.8	992.4	1311.9	1667.3	1958.9
-15°	0.0	6.0	29.8	96.7	208.2	390.7	610.7	865.5	1145.8	1411.7	1651.0
-17.5°	0.0	5.9	28.5	90.8	188.5	338.0	518.0	750.2	974.7	1163.7	1391.7
-20°	0.0	5.8	27.0	84.5	169.1	289.0	441.5	650.1	811.0	999.2	1206.6



REPORT NUMBER: P902130 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S6-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	25.5	77.4	150.2	242.7	398.0	557.7	707.0	897.3	1047.6
-25°	0.0	5.6	23.8	70.4	132.0	216.2	358.6	482.8	656.2	808.5	982.6
-27.5°	0.0	5.5	22.1	63.6	114.8	196.5	321.6	449.5	611.1	767.5	927.2
-30°	0.0	5.3	20.3	56.9	99.3	175.8	287.1	412.1	559.3	718.3	859.6
-32.5°	0.0	5.1	18.2	50.6	89.3	154.1	251.9	370.4	491.9	651.8	761.2
-35°	0.0	4.9	16.1	44.5	79.2	131.5	213.9	318.8	415.7	531.3	638.4
-37.5°	0.0	4.7	14.4	39.3	70.3	111.7	177.2	261.6	338.2	418.1	495.7
-40°	0.0	4.6	13.8	35.7	63.6	99.3	148.3	214.3	277.0	325.0	382.4
-42.5°	0.0	4.5	13.2	32.4	57.0	87.9	125.3	174.0	225.4	266.9	297.9
-45°	0.0	4.4	12.5	29.4	50.7	77.3	106.7	141.6	183.9	226.7	262.6
-47.5°	0.0	4.2	11.8	26.5	44.5	67.6	89.7	122.6	159.0	197.7	231.8
-50°	0.0	4.1	11.0	23.5	38.9	59.0	79.6	108.3	139.1	172.0	203.2
-52.5°	0.0	3.9	10.2	20.6	33.5	52.4	70.5	94.3	119.2	149.3	177.6
-55°	0.0	3.7	9.4	17.7	29.7	45.8	61.4	81.0	103.2	127.2	152.2
-57.5°	0.0	3.5	8.6	14.8	26.2	39.2	51.9	68.7	86.6	105.1	127.4
-60°	0.0	3.3	7.8	13.4	22.6	32.5	43.8	55.5	70.3	83.1	102.0
-62.5°	0.0	3.0	6.9	12.1	19.0	27.0	35.9	42.6	55.9	60.4	78.5
-65°	0.0	2.8	6.0	10.8	15.3	22.5	28.1	34.7	42.5	47.1	56.0
-67.5°	0.0	2.6	5.3	9.4	12.4	18.0	21.9	26.7	32.3	36.2	42.1
-70°	0.0	2.3	4.7	8.0	10.4	13.5	17.3	19.1	24.0	27.2	31.4
-72.5°	0.0	2.0	4.1	6.6	8.5	10.3	12.8	14.7	16.5	19.9	22.9
-75°	0.0	1.8	3.6	5.3	6.5	8.2	8.9	10.3	11.8	13.6	15.3
-77.5°	0.0	1.5	3.0	4.5	4.5	6.2	6.5	6.8	7.2	9.0	9.7
-80°	0.0	1.2	2.4	3.6	3.2	4.2	4.1	4.6	4.5	5.1	4.8
-82.5°	0.0	0.9	1.8	2.7	2.4	2.9	1.8	2.5	2.9	3.4	2.9
-85°	0.0	0.6	1.2	1.8	1.6	1.9	1.2	1.4	1.5	1.7	1.9
-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: P902130 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S6-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	3.7	3.6	3.6	3.6	3.6	3.6
80°	4.2	4.5	4.9	5.2	5.6	4.3	4.3	4.6	4.9	5.2	5.4
77.5°	5.6	5.9	6.3	6.5	6.9	6.0	6.2	6.9	6.9	6.9	7.2
75°	7.6	8.1	7.9	8.3	8.6	8.5	9.2	10.1	9.8	9.9	10.6
72.5°	9.9	10.6	10.5	10.8	11.3	11.7	12.2	13.2	13.4	13.3	14.2
70°	12.6	13.5	13.7	14.1	14.7	15.9	16.1	16.4	17.5	17.5	17.7
67.5°	15.2	17.7	17.5	18.6	19.7	20.5	21.6	22.5	22.7	22.7	22.8
65°	19.1	22.4	23.3	24.0	25.3	25.2	27.7	27.8	28.2	29.8	29.8
62.5°	23.8	27.1	29.4	30.8	31.7	32.5	34.1	34.9	36.6	37.9	37.6
60°	30.6	33.3	36.0	38.0	39.0	40.2	41.3	42.6	44.5	45.2	45.4
57.5°	37.9	40.9	43.7	45.8	47.1	48.0	49.3	50.8	53.2	54.0	55.5
55°	45.6	49.6	52.4	54.3	56.0	57.3	59.2	61.1	63.0	63.8	65.7
52.5°	54.2	59.4	62.3	64.5	66.4	68.8	70.9	72.5	74.2	75.2	77.2
50°	66.0	71.9	74.3	77.5	81.2	83.6	85.0	87.9	89.0	92.3	93.6
47.5°	79.5	87.6	91.8	96.9	101.0	104.8	107.4	110.6	111.9	117.2	118.6
45°	97.9	107.6	114.0	121.9	126.8	132.0	134.8	141.5	144.2	149.1	152.1
42.5°	120.3	130.8	140.5	149.2	154.3	161.4	165.9	172.0	177.4	184.1	186.3
40°	158.4	168.4	179.6	191.4	195.6	195.5	207.1	221.3	231.1	240.2	258.4
37.5°	214.5	243.0	266.6	278.7	277.2	295.1	319.8	346.5	389.3	438.9	490.9
35°	300.7	342.9	379.5	407.2	439.8	486.0	517.8	562.6	626.4	682.7	758.9
32.5°	394.8	452.5	505.9	558.4	621.5	679.3	739.7	802.7	866.0	903.4	933.6
30°	485.0	554.2	624.7	689.3	764.0	851.7	951.7	1040.8	1116.6	1167.5	1232.6
27.5°	575.7	656.4	742.9	823.6	915.6	1023.9	1151.1	1265.8	1341.3	1421.1	1543.1
25°	675.0	778.0	869.3	973.7	1071.4	1195.2	1342.2	1484.9	1557.5	1658.9	1821.9
22.5°	801.5	907.9	1026.9	1135.8	1256.1	1378.7	1539.4	1698.1	1815.3	1939.1	2111.8
20°	932.5	1066.2	1197.6	1331.4	1466.1	1608.0	1762.4	1950.1	2128.0	2267.9	2473.6
17.5°	1149.6	1250.3	1410.3	1568.2	1699.1	1866.0	2019.8	2237.5	2452.1	2668.0	2888.6
15°	1393.4	1598.7	1749.3	1886.1	2068.7	2209.4	2467.6	2677.6	2869.6	3113.1	3402.0
12.5°	1850.9	2020.3	2258.2	2452.8	2596.5	2911.0	3410.9	3648.5	3763.4	3863.3	4203.2
10°	2339.6	2571.5	2841.8	3050.3	3257.9	3670.3	4498.0	4925.4	4720.4	4692.9	4991.3
7.5°	2632.6	2957.1	3367.5	3599.5	3756.7	4243.6	5203.9	5556.0	5382.3	5368.8	5692.8
5°	2881.6	3156.0	3566.4	3842.8	4052.8	4577.6	5557.8	5978.0	5862.6	5922.6	6304.1
2.5°	2902.9	3184.6	3585.2	3891.0	4150.9	4706.2	5703.4	6166.1	6086.7	6141.1	6579.5
0°	2901.6	3147.3	3465.0	3741.7	4056.5	4658.2	5677.5	6183.5	6116.2	6125.3	6615.9
-2.5°	2844.3	3060.6	3319.3	3574.2	3923.9	4556.7	5578.3	6149.9	6095.7	6125.9	6620.3
-5°	2777.8	2962.2	3169.4	3404.3	3754.1	4364.4	5367.3	6028.6	6058.7	6080.9	6546.8
-7.5°	2667.3	2839.3	3015.8	3223.4	3540.5	4094.1	5058.7	5832.4	6002.3	5900.8	6169.5
-10°	2522.4	2650.2	2789.3	2983.7	3279.1	3767.9	4643.3	5512.5	5815.4	5626.9	5787.9
-12.5°	2207.8	2382.2	2528.5	2705.1	2977.0	3399.7	4087.6	4936.6	5407.8	5253.9	5284.3
-15°	1888.5	2072.3	2211.4	2409.1	2665.6	2991.2	3457.5	3997.9	4433.4	4534.3	4691.0
-17.5°	1612.4	1746.1	1947.8	2150.3	2384.8	2667.1	2953.2	3324.5	3592.8	3815.1	4068.2
-20°	1359.9	1556.1	1738.1	1934.1	2150.6	2398.8	2647.4	2927.2	3189.1	3437.5	3647.6



REPORT NUMBER: P902130 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S6-ZVP418L

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1242.2	1395.7	1582.0	1745.7	1943.4	2159.9	2398.0	2630.8	2863.2	3068.5	3268.3
-25°	1137.1	1304.5	1451.7	1606.7	1763.8	1959.9	2179.6	2403.3	2642.2	2875.9	3043.9
-27.5°	1071.1	1224.9	1348.4	1471.4	1600.7	1763.7	1962.6	2190.7	2492.6	2841.3	3137.7
-30°	1002.3	1114.4	1234.3	1316.5	1414.5	1551.8	1725.2	1924.1	2226.9	2659.7	3078.0
-32.5°	882.8	980.4	1058.1	1133.7	1211.1	1315.0	1449.8	1609.7	1827.3	2116.8	2562.3
-35°	724.7	800.3	860.5	912.4	972.8	1052.3	1152.2	1266.9	1406.4	1577.1	1805.9
-37.5°	556.6	613.2	662.5	700.1	737.3	794.3	868.7	944.5	1025.3	1122.5	1229.1
-40°	425.8	458.3	490.6	525.8	557.5	591.9	639.6	690.0	737.7	786.4	864.5
-42.5°	332.3	370.1	399.3	423.7	445.3	471.2	494.3	536.5	579.0	617.7	667.7
-45°	291.6	325.5	350.0	372.3	398.4	425.3	449.3	465.2	503.7	539.2	585.4
-47.5°	264.0	299.3	324.8	349.5	377.9	408.1	435.8	465.8	491.8	524.1	565.4
-50°	234.8	269.2	303.4	330.5	359.0	387.2	416.9	443.3	469.6	503.1	531.9
-52.5°	206.9	240.7	280.4	303.6	330.9	350.3	374.9	396.7	420.6	439.2	477.6
-55°	183.1	220.8	265.9	282.3	317.9	318.2	343.5	362.2	386.7	416.1	446.4
-57.5°	156.7	192.3	221.5	255.5	273.5	304.4	305.9	327.6	342.2	371.2	393.7
-60°	124.4	151.7	166.6	183.7	193.1	208.2	226.0	227.0	254.2	269.3	285.0
-62.5°	84.6	109.1	110.1	122.9	126.0	130.6	138.4	143.7	141.4	167.8	176.0
-65°	60.8	69.5	73.8	76.0	86.2	87.5	96.6	102.8	108.9	117.8	128.0
-67.5°	46.2	50.8	53.9	58.3	62.7	66.3	71.3	76.2	82.0	89.8	97.6
-70°	34.9	36.6	39.5	43.1	46.3	49.6	52.8	55.8	60.7	65.8	71.8
-72.5°	24.1	26.1	27.9	29.6	32.4	34.6	37.1	39.9	42.9	46.6	51.0
-75°	16.7	17.5	18.8	20.5	21.5	22.1	24.2	26.5	28.0	30.5	33.5
-77.5°	10.3	10.7	11.4	12.1	13.0	13.2	14.9	15.8	16.0	17.5	19.4
-80°	5.9	5.7	5.7	5.2	5.8	7.0	8.2	7.8	7.5	8.1	8.8
-82.5°	3.1	1.7	1.9	2.4	2.8	3.3	3.8	2.5	2.7	3.1	1.9
-85°	2.1	0.5	0.6	0.8	0.9	1.1	1.2	0.1	0.0	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: P902130 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S6-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	2.1	2.1	2.2	2.2	3.6
85°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
82.5°	3.7	3.9	4.1	4.2	4.4	4.5	4.6	4.7	4.8	4.9	4.9
80°	5.7	5.9	6.1	6.3	6.4	6.6	6.8	6.9	7.0	7.1	7.2
77.5°	7.7	8.2	8.7	9.2	9.7	10.1	10.4	10.7	11.0	11.1	11.2
75°	11.3	11.7	11.8	12.0	12.3	12.6	12.8	13.2	13.6	13.9	14.1
72.5°	15.1	14.9	14.7	15.4	16.1	16.6	17.1	17.6	18.0	19.1	18.8
70°	18.9	19.2	19.7	20.3	20.2	21.2	22.1	22.9	23.6	24.4	24.7
67.5°	24.2	24.1	25.3	25.2	26.3	27.4	28.4	29.3	30.1	30.7	31.3
65°	30.2	30.6	32.7	32.7	32.8	34.5	36.0	36.8	36.7	37.7	38.6
62.5°	37.8	38.5	39.2	39.2	40.9	41.7	42.9	44.2	45.4	45.8	47.0
60°	45.6	47.1	47.7	47.7	49.2	49.6	51.1	53.2	54.9	55.5	56.7
57.5°	55.0	57.5	58.0	58.2	59.5	61.4	62.4	64.0	65.9	67.5	68.9
55°	66.4	68.3	68.5	70.0	70.7	72.3	74.7	76.3	78.2	80.4	82.6
52.5°	78.1	80.3	80.6	82.6	84.7	85.6	89.3	91.7	92.9	96.6	98.9
50°	94.5	97.8	99.0	100.9	103.5	106.0	108.7	111.2	114.9	118.7	121.6
47.5°	122.4	124.1	126.1	127.0	131.1	136.1	137.6	142.0	152.0	157.3	160.0
45°	156.4	158.8	165.5	166.5	175.1	179.5	184.7	196.7	208.4	216.9	227.6
42.5°	193.0	195.7	201.4	206.3	214.0	224.2	235.2	247.9	266.9	283.4	308.7
40°	246.4	246.7	251.4	265.1	263.2	275.3	290.0	316.6	337.4	382.8	424.0
37.5°	477.3	473.1	450.3	453.4	395.6	464.1	475.7	532.5	560.0	674.4	776.1
35°	752.2	778.6	793.2	870.5	873.4	910.5	964.1	1007.5	1100.6	1230.2	1427.2
32.5°	1002.1	1092.9	1195.9	1344.8	1393.9	1474.0	1489.5	1536.3	1639.7	1775.9	2027.0
30°	1321.6	1450.1	1660.7	1926.2	1992.1	2137.6	2214.9	2269.1	2382.3	2607.7	2992.8
27.5°	1667.5	1808.8	2066.9	2344.0	2374.3	2624.2	2748.1	2887.2	3049.9	3421.4	4059.7
25°	1975.0	2150.6	2412.1	2541.6	2620.5	2861.3	3030.7	3281.6	3599.6	4329.1	5870.3
22.5°	2324.1	2524.7	2726.8	2937.8	3084.2	3307.2	3557.8	3959.4	4629.9	5961.4	9002.6
20°	2722.7	2953.1	3153.6	3442.2	3707.0	4037.5	4348.9	4967.7	6160.2	8223.3	11559.7
17.5°	3168.5	3453.1	3729.4	4188.7	4682.2	5243.8	5808.6	6845.6	9082.9	13482.5	19581.3
15°	3782.5	4228.2	4756.9	5297.9	6042.8	7040.4	8775.8	12970.1	22363.3	37730.7	53969.0
12.5°	4636.3	5248.9	6408.9	7357.4	8169.1	9946.7	14329.8	25356.5	51202.3	109806.4	188127.3
10°	5408.5	6165.4	7974.4	9690.5	10441.1	12671.7	18552.2	33150.8	68396.4	163974.7	338022.5
7.5°	6132.7	7022.3	9031.1	11427.5	12282.6	15583.6	24106.7	44135.5	90364.4	217982.9	447877.5
5°	6861.3	7738.9	9975.5	12916.5	14600.6	19293.2	30741.3	56073.3	111203.2	263754.3	531772.2
2.5°	7131.7	8133.6	10436.0	13026.4	14480.1	18377.3	27704.9	51997.7	110011.0	264715.2	530468.6
0°	7225.7	8172.7	10239.2	12314.9	13502.2	16426.0	23478.3	44603.4	94224.5	220852.7	431503.5
-2.5°	7214.8	7965.3	9533.2	11250.3	12751.7	15858.1	23996.5	44416.2	84600.0	167274.0	294975.6
-5°	7239.6	7838.5	8873.8	10108.8	11764.9	14781.1	22327.8	39885.0	68950.3	104694.9	167464.6
-7.5°	6924.6	7917.2	8455.3	9398.1	10827.6	13058.7	18397.8	30855.7	48286.8	65431.5	104938.6
-10°	6260.8	7254.4	8087.9	8723.4	9841.1	11316.1	13684.9	17495.5	26829.3	46735.5	71098.8
-12.5°	5634.9	6213.9	7010.5	7880.0	8727.1	9802.2	11139.1	13091.9	16743.4	24490.0	32494.3
-15°	4984.0	5435.9	6143.9	6941.2	7759.3	8831.8	9937.2	11287.8	13564.6	17990.2	23944.9
-17.5°	4356.4	4699.2	5292.7	5978.5	6724.1	7933.4	9007.9	10255.3	12283.2	15437.8	19574.0
-20°	3921.4	4280.0	4772.3	5396.5	6044.8	6986.4	7959.1	9367.0	11345.2	14302.8	18135.1



REPORT NUMBER: P902130 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S6-ZVP418L

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3542.2	3901.0	4328.1	4879.1	5508.9	6261.4	7066.7	8203.8	10221.7	12945.9	16538.4
-25°	3261.9	3567.5	3921.8	4421.6	5009.9	5787.1	6877.2	7821.9	9719.0	12192.3	15486.8
-27.5°	3426.0	3534.9	3663.2	4007.2	4564.4	5382.6	6413.8	8098.2	9640.3	12002.7	14613.8
-30°	3515.0	3734.6	3765.4	3791.7	3985.0	4437.6	5192.7	6301.7	8343.9	11034.3	13403.0
-32.5°	3041.9	3462.7	3683.1	3776.2	3802.8	4062.6	4662.1	5655.8	7170.4	9220.9	11743.6
-35°	2214.3	2615.3	3049.7	3220.8	3615.3	3723.0	4354.9	5146.5	6462.3	8202.7	10248.0
-37.5°	1417.2	1605.5	1914.5	2101.1	2334.6	2838.8	3423.3	4322.5	5476.1	7074.8	8865.5
-40°	952.5	1041.1	1250.7	1463.9	1779.0	2195.4	2697.3	3556.9	4619.6	5916.3	7420.1
-42.5°	739.2	822.0	933.8	1125.3	1377.7	1780.3	2282.6	2980.6	3879.3	4954.6	6188.4
-45°	647.9	734.6	839.6	1002.5	1223.5	1555.2	2006.6	2610.2	3368.8	4257.9	5227.8
-47.5°	618.4	696.2	788.2	913.6	1111.8	1393.5	1777.9	2275.0	2900.1	3624.2	4396.7
-50°	581.6	641.7	719.1	828.1	999.6	1242.8	1565.8	1975.2	2485.6	3059.1	3664.4
-52.5°	507.8	575.6	648.2	753.6	900.3	1100.5	1365.6	1698.2	2091.6	2534.4	3000.1
-55°	489.7	534.1	605.1	689.4	807.5	961.5	1160.6	1411.3	1706.0	2028.2	2370.9
-57.5°	427.6	464.8	520.6	583.7	677.7	799.3	941.4	1116.5	1328.4	1561.3	1799.7
-60°	311.6	344.1	375.7	423.6	500.2	590.1	682.6	815.0	969.1	1134.4	1301.5
-62.5°	191.6	226.7	251.4	284.6	341.7	407.5	480.2	572.8	679.7	792.8	905.7
-65°	141.5	159.2	181.4	209.1	248.1	292.3	345.8	409.3	481.0	559.6	637.4
-67.5°	108.5	121.1	138.9	159.9	185.4	216.4	253.2	295.7	343.1	392.5	442.4
-70°	79.2	89.1	101.6	116.2	133.6	155.4	179.7	207.1	237.8	269.3	299.0
-72.5°	55.8	62.2	71.0	81.1	92.3	105.6	121.4	139.7	159.4	178.7	197.5
-75°	36.8	40.5	45.9	52.3	59.0	67.2	76.5	88.0	99.1	109.8	120.7
-77.5°	21.6	23.8	26.4	29.5	33.4	38.1	42.3	47.4	53.5	59.8	64.4
-80°	10.1	11.4	11.6	12.8	14.8	16.2	18.6	19.9	22.2	24.8	25.8
-82.5°	2.3	3.0	3.2	3.6	4.0	4.3	4.7	5.0	4.6	4.8	5.1
-85°	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.0	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: P902130 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S6-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°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	2.2	2.2	2.1
85°	4.5	4.5	4.5	4.6	4.5	4.5	4.5	3.6	3.6	3.6	3.6
82.5°	6.7	6.8	6.8	6.9	6.8	6.8	6.7	4.9	4.9	4.8	4.7
80°	7.3	9.0	9.1	9.1	9.1	9.0	7.3	7.2	7.1	7.0	6.9
77.5°	11.3	11.3	11.3	11.4	11.3	11.3	11.3	11.2	11.1	11.0	10.7
75°	14.3	14.4	14.5	14.6	14.5	14.4	14.3	14.1	13.9	13.6	13.2
72.5°	19.9	20.3	20.4	20.5	20.4	20.3	19.9	18.8	19.1	18.0	17.6
70°	25.1	25.4	27.1	25.5	27.1	25.4	25.1	24.7	24.4	23.6	22.9
67.5°	31.9	32.4	32.2	32.3	32.2	32.4	31.9	31.3	30.7	30.1	29.3
65°	40.0	40.7	40.1	40.1	40.1	40.7	40.0	38.6	37.7	36.7	36.8
62.5°	48.2	48.8	49.1	49.2	49.1	48.8	48.2	47.0	45.8	45.4	44.2
60°	58.8	59.5	60.0	58.2	60.0	59.5	58.8	56.7	55.5	54.9	53.2
57.5°	71.0	73.0	72.1	71.9	72.1	73.0	71.0	68.9	67.5	65.9	64.0
55°	84.7	86.5	86.4	86.5	86.4	86.5	84.7	82.6	80.4	78.2	76.3
52.5°	101.0	102.5	103.4	103.8	103.4	102.5	101.0	98.9	96.6	92.9	91.7
50°	123.3	125.6	125.7	125.6	125.7	125.6	123.3	121.6	118.7	114.9	111.2
47.5°	163.7	169.2	173.7	175.2	173.7	169.2	163.7	160.0	157.3	152.0	142.0
45°	239.6	248.8	254.7	255.8	254.7	248.8	239.6	227.6	216.9	208.4	196.7
42.5°	329.1	343.8	353.4	355.4	353.4	343.8	329.1	308.7	283.4	266.9	247.9
40°	452.4	478.8	493.6	498.8	493.6	478.8	452.4	424.0	382.8	337.4	316.6
37.5°	870.5	974.4	1052.3	1100.9	1052.3	974.4	870.5	776.1	674.4	560.0	532.5
35°	1627.2	1804.0	2033.7	2252.7	2033.7	1804.0	1627.2	1427.2	1230.2	1100.6	1007.5
32.5°	2338.6	2590.3	2860.9	3106.8	2860.9	2590.3	2338.6	2027.0	1775.9	1639.7	1536.3
30°	3310.5	3540.2	3722.3	3882.7	3722.3	3540.2	3310.5	2992.8	2607.7	2382.3	2269.1
27.5°	4469.4	4606.0	4755.4	4914.8	4755.4	4606.0	4469.4	4059.7	3421.4	3049.9	2887.2
25°	6939.5	7116.7	6686.6	6535.9	6686.6	7116.7	6939.5	5870.3	4329.1	3599.6	3281.6
22.5°	11909.3	12880.0	11940.3	11216.3	11940.3	12880.0	11909.3	9002.6	5961.4	4629.9	3959.4
20°	16063.2	17926.2	17478.2	17085.4	17478.2	17926.2	16063.2	11559.7	8223.3	6160.2	4967.7
17.5°	29569.5	33012.8	37164.2	38188.2	37164.2	33012.8	29569.5	19581.3	13482.5	9082.9	6845.6
15°	93437.2	107348.8	138127.0	145497.1	138127.0	107348.8	93437.2	53969.0	37730.7	22363.3	12970.1
12.5°	268111.1	326448.9	382650.0	404267.2	382650.0	326448.9	268111.1	188127.3	109806.4	51202.3	25356.5
10°	465440.2	544008.5	614255.4	659169.1	614255.4	544008.5	465440.2	338022.5	163974.7	68396.4	33150.8
7.5°	627188.5	733418.9	806151.9	857773.6	806151.9	733418.9	627188.5	447877.5	217982.9	90364.4	44135.5
5°	764403.3	909269.7	989675.0	#####	989675.0	909269.7	764403.3	531772.2	263754.3	111203.2	56073.3
2.5°	776524.7	942246.9	#####	#####	#####	942246.9	776524.7	530468.6	264715.2	110011.0	51997.7
0°	640429.1	811792.7	948711.5	#####	948711.5	811792.7	640429.1	431503.5	220852.7	94224.5	44603.4
-2.5°	461913.3	633461.5	775718.8	833395.2	775718.8	633461.5	461913.3	294975.6	167274.0	84600.0	44416.2
-5°	274622.7	387602.3	478071.8	515019.1	478071.8	387602.3	274622.7	167464.6	104694.9	68950.3	39885.0
-7.5°	153409.3	193061.8	220511.2	244658.2	220511.2	193061.8	153409.3	104938.6	65431.5	48286.8	30855.7
-10°	79797.1	87106.1	92184.7	97863.3	92184.7	87106.1	79797.1	71098.8	46735.5	26829.3	17495.5
-12.5°	43377.2	48056.0	49338.4	48423.4	49338.4	48056.0	43377.2	32494.3	24490.0	16743.4	13091.9
-15°	30151.5	32534.5	33864.4	34189.9	33864.4	32534.5	30151.5	23944.9	17990.2	13564.6	11287.8
-17.5°	24264.9	27176.3	29463.1	30285.8	29463.1	27176.3	24264.9	19574.0	15437.8	12283.2	10255.3
-20°	22278.9	25726.6	28164.9	29243.2	28164.9	25726.6	22278.9	18135.1	14302.8	11345.2	9367.0



REPORT NUMBER: P902130 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S6-ZVP418L

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	20402.0	24317.2	26861.8	27984.9	26861.8	24317.2	20402.0	16538.4	12945.9	10221.7	8203.8
-25°	19438.4	23202.1	25650.3	26546.4	25650.3	23202.1	19438.4	15486.8	12192.3	9719.0	7821.9
-27.5°	17773.2	20780.8	22964.5	23682.6	22964.5	20780.8	17773.2	14613.8	12002.7	9640.3	8098.2
-30°	15947.3	18571.3	20469.0	21212.0	20469.0	18571.3	15947.3	13403.0	11034.3	8343.9	6301.7
-32.5°	14227.5	16426.8	18032.4	18726.0	18032.4	16426.8	14227.5	11743.6	9220.9	7170.4	5655.8
-35°	12405.9	14275.2	15607.4	16177.9	15607.4	14275.2	12405.9	10248.0	8202.7	6462.3	5146.5
-37.5°	10633.8	12198.0	13271.3	13731.0	13271.3	12198.0	10633.8	8865.5	7074.8	5476.1	4322.5
-40°	8912.4	10202.4	11047.8	11406.0	11047.8	10202.4	8912.4	7420.1	5916.3	4619.6	3556.9
-42.5°	7396.3	8437.2	9113.1	9405.5	9113.1	8437.2	7396.3	6188.4	4954.6	3879.3	2980.6
-45°	6191.5	7005.9	7544.9	7770.0	7544.9	7005.9	6191.5	5227.8	4257.9	3368.8	2610.2
-47.5°	5155.3	5796.6	6230.3	6415.7	6230.3	5796.6	5155.3	4396.7	3624.2	2900.1	2275.0
-50°	4257.7	4748.0	5083.6	5224.3	5083.6	4748.0	4257.7	3664.4	3059.1	2485.6	1975.2
-52.5°	3458.3	3840.4	4104.4	4219.4	4104.4	3840.4	3458.3	3000.1	2534.4	2091.6	1698.2
-55°	2707.7	2993.3	3201.3	3307.5	3201.3	2993.3	2707.7	2370.9	2028.2	1706.0	1411.3
-57.5°	2034.8	2239.6	2416.3	2529.3	2416.3	2239.6	2034.8	1799.7	1561.3	1328.4	1116.5
-60°	1457.1	1585.4	1681.6	1725.6	1681.6	1585.4	1457.1	1301.5	1134.4	969.1	815.0
-62.5°	1009.5	1092.8	1150.8	1173.2	1150.8	1092.8	1009.5	905.7	792.8	679.7	572.8
-65°	707.8	762.4	799.2	812.8	799.2	762.4	707.8	637.4	559.6	481.0	409.3
-67.5°	487.6	523.8	546.9	556.1	546.9	523.8	487.6	442.4	392.5	343.1	295.7
-70°	326.3	347.3	362.4	365.9	362.4	347.3	326.3	299.0	269.3	237.8	207.1
-72.5°	215.8	229.3	237.1	239.8	237.1	229.3	215.8	197.5	178.7	159.4	139.7
-75°	132.6	139.8	144.2	146.5	144.2	139.8	132.6	120.7	109.8	99.1	88.0
-77.5°	70.5	74.3	77.0	77.8	77.0	74.3	70.5	64.4	59.8	53.5	47.4
-80°	28.1	28.7	29.0	29.1	29.0	28.7	28.1	25.8	24.8	22.2	19.9
-82.5°	5.2	5.4	5.4	5.5	5.4	5.4	5.2	5.1	4.8	4.6	5.0
-85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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: P902130 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S6-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°	2.1	2.1	2.0	2.0	1.9	1.9	1.8	1.8	1.7	1.7	1.6
85°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.4	3.3	3.2
82.5°	4.6	4.5	4.4	4.2	4.1	3.9	3.7	3.6	3.6	3.6	3.6
80°	6.8	6.6	6.4	6.3	6.1	5.9	5.7	5.4	5.2	4.9	4.6
77.5°	10.4	10.1	9.7	9.2	8.7	8.2	7.7	7.2	6.9	6.9	6.9
75°	12.8	12.6	12.3	12.0	11.8	11.7	11.3	10.6	9.9	9.8	10.1
72.5°	17.1	16.6	16.1	15.4	14.7	14.9	15.1	14.2	13.3	13.4	13.2
70°	22.1	21.2	20.2	20.3	19.7	19.2	18.9	17.7	17.5	17.5	16.4
67.5°	28.4	27.4	26.3	25.2	25.3	24.1	24.2	22.8	22.7	22.7	22.5
65°	36.0	34.5	32.8	32.7	32.7	30.6	30.2	29.8	29.8	28.2	27.8
62.5°	42.9	41.7	40.9	39.2	39.2	38.5	37.8	37.6	37.9	36.6	34.9
60°	51.1	49.6	49.2	47.7	47.7	47.1	45.6	45.4	45.2	44.5	42.6
57.5°	62.4	61.4	59.5	58.2	58.0	57.5	55.0	55.5	54.0	53.2	50.8
55°	74.7	72.3	70.7	70.0	68.5	68.3	66.4	65.7	63.8	63.0	61.1
52.5°	89.3	85.6	84.7	82.6	80.6	80.3	78.1	77.2	75.2	74.2	72.5
50°	108.7	106.0	103.5	100.9	99.0	97.8	94.5	93.6	92.3	89.0	87.9
47.5°	137.6	136.1	131.1	127.0	126.1	124.1	122.4	118.6	117.2	111.9	110.6
45°	184.7	179.5	175.1	166.5	165.5	158.8	156.4	152.1	149.1	144.2	141.5
42.5°	235.2	224.2	214.0	206.3	201.4	195.7	193.0	186.3	184.1	177.4	172.0
40°	290.0	275.3	263.2	265.1	251.4	246.7	246.4	258.4	240.2	231.1	221.3
37.5°	475.7	464.1	395.6	453.4	450.3	473.1	477.3	490.9	438.9	389.3	346.5
35°	964.1	910.5	873.4	870.5	793.2	778.6	752.2	758.9	682.7	626.4	562.6
32.5°	1489.5	1474.0	1393.9	1344.8	1195.9	1092.9	1002.1	933.6	903.4	866.0	802.7
30°	2214.9	2137.6	1992.1	1926.2	1660.7	1450.1	1321.6	1232.6	1167.5	1116.6	1040.8
27.5°	2748.1	2624.2	2374.3	2344.0	2066.9	1808.8	1667.5	1543.1	1421.1	1341.3	1265.8
25°	3030.7	2861.3	2620.5	2541.6	2412.1	2150.6	1975.0	1821.9	1658.9	1557.5	1484.9
22.5°	3557.8	3307.2	3084.2	2937.8	2726.8	2524.7	2324.1	2111.8	1939.1	1815.3	1698.1
20°	4348.9	4037.5	3707.0	3442.2	3153.6	2953.1	2722.7	2473.6	2267.9	2128.0	1950.1
17.5°	5808.6	5243.8	4682.2	4188.7	3729.4	3453.1	3168.5	2888.6	2668.0	2452.1	2237.5
15°	8775.8	7040.4	6042.8	5297.9	4756.9	4228.2	3782.5	3402.0	3113.1	2869.6	2677.6
12.5°	14329.8	9946.7	8169.1	7357.4	6408.9	5248.9	4636.3	4203.2	3863.3	3763.4	3648.5
10°	18552.2	12671.7	10441.1	9690.5	7974.4	6165.4	5408.5	4991.3	4692.9	4720.4	4925.4
7.5°	24106.7	15583.6	12282.6	11427.5	9031.1	7022.3	6132.7	5692.8	5368.8	5382.3	5556.0
5°	30741.3	19293.2	14600.6	12916.5	9975.5	7738.9	6861.3	6304.1	5922.6	5862.6	5978.0
2.5°	27704.9	18377.3	14480.1	13026.4	10436.0	8133.6	7131.7	6579.5	6141.1	6086.7	6166.1
0°	23478.3	16426.0	13502.2	12314.9	10239.2	8172.7	7225.7	6615.9	6125.3	6116.2	6183.5
-2.5°	23996.5	15858.1	12751.7	11250.3	9533.2	7965.3	7214.8	6620.3	6125.9	6095.7	6149.9
-5°	22327.8	14781.1	11764.9	10108.8	8873.8	7838.5	7239.6	6546.8	6080.9	6058.7	6028.6
-7.5°	18397.8	13058.7	10827.6	9398.1	8455.3	7917.2	6924.6	6169.5	5900.8	6002.3	5832.4
-10°	13684.9	11316.1	9841.1	8723.4	8087.9	7254.4	6260.8	5787.9	5626.9	5815.4	5512.5
-12.5°	11139.1	9802.2	8727.1	7880.0	7010.5	6213.9	5634.9	5284.3	5253.9	5407.8	4936.6
-15°	9937.2	8831.8	7759.3	6941.2	6143.9	5435.9	4984.0	4691.0	4534.3	4433.4	3997.9
-17.5°	9007.9	7933.4	6724.1	5978.5	5292.7	4699.2	4356.4	4068.2	3815.1	3592.8	3324.5
-20°	7959.1	6986.4	6044.8	5396.5	4772.3	4280.0	3921.4	3647.6	3437.5	3189.1	2927.2



REPORT NUMBER: P902130 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S6-ZVP418L

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	7066.7	6261.4	5508.9	4879.1	4328.1	3901.0	3542.2	3268.3	3068.5	2863.2	2630.8
-25°	6877.2	5787.1	5009.9	4421.6	3921.8	3567.5	3261.9	3043.9	2875.9	2642.2	2403.3
-27.5°	6413.8	5382.6	4564.4	4007.2	3663.2	3534.9	3426.0	3137.7	2841.3	2492.6	2190.7
-30°	5192.7	4437.6	3985.0	3791.7	3765.4	3734.6	3515.0	3078.0	2659.7	2226.9	1924.1
-32.5°	4662.1	4062.6	3802.8	3776.2	3683.1	3462.7	3041.9	2562.3	2116.8	1827.3	1609.7
-35°	4354.9	3723.0	3615.3	3220.8	3049.7	2615.3	2214.3	1805.9	1577.1	1406.4	1266.9
-37.5°	3423.3	2838.8	2334.6	2101.1	1914.5	1605.5	1417.2	1229.1	1122.5	1025.3	944.5
-40°	2697.3	2195.4	1779.0	1463.9	1250.7	1041.1	952.5	864.5	786.4	737.7	690.0
-42.5°	2282.6	1780.3	1377.7	1125.3	933.8	822.0	739.2	667.7	617.7	579.0	536.5
-45°	2006.6	1555.2	1223.5	1002.5	839.6	734.6	647.9	585.4	539.2	503.7	465.2
-47.5°	1777.9	1393.5	1111.8	913.6	788.2	696.2	618.4	565.4	524.1	491.8	465.8
-50°	1565.8	1242.8	999.6	828.1	719.1	641.7	581.6	531.9	503.1	469.6	443.3
-52.5°	1365.6	1100.5	900.3	753.6	648.2	575.6	507.8	477.6	439.2	420.6	396.7
-55°	1160.6	961.5	807.5	689.4	605.1	534.1	489.7	446.4	416.1	386.7	362.2
-57.5°	941.4	799.3	677.7	583.7	520.6	464.8	427.6	393.7	371.2	342.2	327.6
-60°	682.6	590.1	500.2	423.6	375.7	344.1	311.6	285.0	269.3	254.2	227.0
-62.5°	480.2	407.5	341.7	284.6	251.4	226.7	191.6	176.0	167.8	141.4	143.7
-65°	345.8	292.3	248.1	209.1	181.4	159.2	141.5	128.0	117.8	108.9	102.8
-67.5°	253.2	216.4	185.4	159.9	138.9	121.1	108.5	97.6	89.8	82.0	76.2
-70°	179.7	155.4	133.6	116.2	101.6	89.1	79.2	71.8	65.8	60.7	55.8
-72.5°	121.4	105.6	92.3	81.1	71.0	62.2	55.8	51.0	46.6	42.9	39.9
-75°	76.5	67.2	59.0	52.3	45.9	40.5	36.8	33.5	30.5	28.0	26.5
-77.5°	42.3	38.1	33.4	29.5	26.4	23.8	21.6	19.4	17.5	16.0	15.8
-80°	18.6	16.2	14.8	12.8	11.6	11.4	10.1	8.8	8.1	7.5	7.8
-82.5°	4.7	4.3	4.0	3.6	3.2	3.0	2.3	1.9	3.1	2.7	2.5
-85°	0.6	0.6	0.5	0.4	0.3	0.2	0.1	0.0	0.0	0.0	0.1
-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: P902130 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S6-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	0.9	0.8	1.4
85°	3.0	2.9	2.7	2.6	2.4	2.2	2.1	1.9	1.7	1.6	2.7
82.5°	3.6	3.7	4.1	3.9	3.6	3.4	3.1	2.8	2.6	2.4	3.8
80°	4.3	4.3	5.6	5.2	4.9	4.5	4.2	4.0	3.4	3.3	4.5
77.5°	6.2	6.0	6.9	6.5	6.3	5.9	5.6	5.9	5.0	4.3	5.2
75°	9.2	8.5	8.6	8.3	7.9	8.1	7.6	7.8	6.7	5.8	6.0
72.5°	12.2	11.7	11.3	10.8	10.5	10.6	9.9	9.6	8.6	7.2	6.9
70°	16.1	15.9	14.7	14.1	13.7	13.5	12.6	11.6	10.7	9.2	7.9
67.5°	21.6	20.5	19.7	18.6	17.5	17.7	15.2	14.1	13.2	11.4	9.9
65°	27.7	25.2	25.3	24.0	23.3	22.4	19.1	17.4	15.9	13.9	12.0
62.5°	34.1	32.5	31.7	30.8	29.4	27.1	23.8	22.1	19.0	17.3	14.1
60°	41.3	40.2	39.0	38.0	36.0	33.3	30.6	27.5	24.2	21.1	17.3
57.5°	49.3	48.0	47.1	45.8	43.7	40.9	37.9	34.2	29.5	25.5	20.6
55°	59.2	57.3	56.0	54.3	52.4	49.6	45.6	40.8	35.6	30.1	24.1
52.5°	70.9	68.8	66.4	64.5	62.3	59.4	54.2	49.4	42.1	35.0	28.9
50°	85.0	83.6	81.2	77.5	74.3	71.9	66.0	59.3	49.9	42.6	34.2
47.5°	107.4	104.8	101.0	96.9	91.8	87.6	79.5	72.3	62.1	51.1	39.8
45°	134.8	132.0	126.8	121.9	114.0	107.6	97.9	88.2	76.2	62.7	48.2
42.5°	165.9	161.4	154.3	149.2	140.5	130.8	120.3	107.2	95.7	82.1	63.2
40°	207.1	195.5	195.6	191.4	179.6	168.4	158.4	144.2	123.1	105.9	81.8
37.5°	319.8	295.1	277.2	278.7	266.6	243.0	214.5	195.0	166.3	134.0	103.8
35°	517.8	486.0	439.8	407.2	379.5	342.9	300.7	262.3	220.2	176.0	132.1
32.5°	739.7	679.3	621.5	558.4	505.9	452.5	394.8	338.2	281.6	223.2	168.0
30°	951.7	851.7	764.0	689.3	624.7	554.2	485.0	413.2	344.1	271.7	207.5
27.5°	1151.1	1023.9	915.6	823.6	742.9	656.4	575.7	491.4	408.0	326.3	248.4
25°	1342.2	1195.2	1071.4	973.7	869.3	778.0	675.0	585.2	478.7	387.6	290.6
22.5°	1539.4	1378.7	1256.1	1135.8	1026.9	907.9	801.5	684.0	574.0	455.1	361.1
20°	1762.4	1608.0	1466.1	1331.4	1197.6	1066.2	932.5	824.5	674.3	566.7	446.5
17.5°	2019.8	1866.0	1699.1	1568.2	1410.3	1250.3	1149.6	980.8	858.1	738.9	539.7
15°	2467.6	2209.4	2068.7	1886.1	1749.3	1598.7	1393.4	1289.5	1175.0	928.3	666.0
12.5°	3410.9	2911.0	2596.5	2452.8	2258.2	2020.3	1850.9	1716.9	1513.5	1154.3	830.4
10°	4498.0	3670.3	3257.9	3050.3	2841.8	2571.5	2339.6	2106.8	1824.8	1402.6	997.1
7.5°	5203.9	4243.6	3756.7	3599.5	3367.5	2957.1	2632.6	2407.7	2122.8	1650.6	1144.1
5°	5557.8	4577.6	4052.8	3842.8	3566.4	3156.0	2881.6	2653.0	2283.8	1729.3	1198.5
2.5°	5703.4	4706.2	4150.9	3891.0	3585.2	3184.6	2902.9	2636.4	2258.6	1743.3	1245.9
0°	5677.5	4658.2	4056.5	3741.7	3465.0	3147.3	2901.6	2614.9	2225.8	1747.5	1287.0
-2.5°	5578.3	4556.7	3923.9	3574.2	3319.3	3060.6	2844.3	2555.0	2176.8	1720.6	1270.7
-5°	5367.3	4364.4	3754.1	3404.3	3169.4	2962.2	2777.8	2488.2	2120.9	1686.8	1248.8
-7.5°	5058.7	4094.1	3540.5	3223.4	3015.8	2839.3	2667.3	2361.2	2007.2	1620.5	1221.1
-10°	4643.3	3767.9	3279.1	2983.7	2789.3	2650.2	2522.4	2214.0	1847.5	1468.2	1116.5
-12.5°	4087.6	3399.7	2977.0	2705.1	2528.5	2382.2	2207.8	1958.9	1667.3	1311.9	992.4
-15°	3457.5	2991.2	2665.6	2409.1	2211.4	2072.3	1888.5	1651.0	1411.7	1145.8	865.5
-17.5°	2953.2	2667.1	2384.8	2150.3	1947.8	1746.1	1612.4	1391.7	1163.7	974.7	750.2
-20°	2647.4	2398.8	2150.6	1934.1	1738.1	1556.1	1359.9	1206.6	999.2	811.0	650.1



REPORT NUMBER: P902130 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S6-ZVP418L

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2398.0	2159.9	1943.4	1745.7	1582.0	1395.7	1242.2	1047.6	897.3	707.0	557.7
-25°	2179.6	1959.9	1763.8	1606.7	1451.7	1304.5	1137.1	982.6	808.5	656.2	482.8
-27.5°	1962.6	1763.7	1600.7	1471.4	1348.4	1224.9	1071.1	927.2	767.5	611.1	449.5
-30°	1725.2	1551.8	1414.5	1316.5	1234.3	1114.4	1002.3	859.6	718.3	559.3	412.1
-32.5°	1449.8	1315.0	1211.1	1133.7	1058.1	980.4	882.8	761.2	651.8	491.9	370.4
-35°	1152.2	1052.3	972.8	912.4	860.5	800.3	724.7	638.4	531.3	415.7	318.8
-37.5°	868.7	794.3	737.3	700.1	662.5	613.2	556.6	495.7	418.1	338.2	261.6
-40°	639.6	591.9	557.5	525.8	490.6	458.3	425.8	382.4	325.0	277.0	214.3
-42.5°	494.3	471.2	445.3	423.7	399.3	370.1	332.3	297.9	266.9	225.4	174.0
-45°	449.3	425.3	398.4	372.3	350.0	325.5	291.6	262.6	226.7	183.9	141.6
-47.5°	435.8	408.1	377.9	349.5	324.8	299.3	264.0	231.8	197.7	159.0	122.6
-50°	416.9	387.2	359.0	330.5	303.4	269.2	234.8	203.2	172.0	139.1	108.3
-52.5°	374.9	350.3	330.9	303.6	280.4	240.7	206.9	177.6	149.3	119.2	94.3
-55°	343.5	318.2	317.9	282.3	265.9	220.8	183.1	152.2	127.2	103.2	81.0
-57.5°	305.9	304.4	273.5	255.5	221.5	192.3	156.7	127.4	105.1	86.6	68.7
-60°	226.0	208.2	193.1	183.7	166.6	151.7	124.4	102.0	83.1	70.3	55.5
-62.5°	138.4	130.6	126.0	122.9	110.1	109.1	84.6	78.5	60.4	55.9	42.6
-65°	96.6	87.5	86.2	76.0	73.8	69.5	60.8	56.0	47.1	42.5	34.7
-67.5°	71.3	66.3	62.7	58.3	53.9	50.8	46.2	42.1	36.2	32.3	26.7
-70°	52.8	49.6	46.3	43.1	39.5	36.6	34.9	31.4	27.2	24.0	19.1
-72.5°	37.1	34.6	32.4	29.6	27.9	26.1	24.1	22.9	19.9	16.5	14.7
-75°	24.2	22.1	21.5	20.5	18.8	17.5	16.7	15.3	13.6	11.8	10.3
-77.5°	14.9	13.2	13.0	12.1	11.4	10.7	10.3	9.7	9.0	7.2	6.8
-80°	8.2	7.0	5.8	5.2	5.7	5.7	5.9	4.8	5.1	4.5	4.6
-82.5°	3.8	3.3	2.8	2.4	1.9	1.7	3.1	2.9	3.4	2.9	2.5
-85°	1.2	1.1	0.9	0.8	0.6	0.5	2.1	1.9	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: P902130 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S6-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	3.7	3.1	2.3	1.6	0.8	0.0
77.5°	4.8	4.3	3.8	2.9	1.9	1.0	0.0
75°	5.3	4.8	4.2	3.5	2.3	1.2	0.0
72.5°	6.3	5.2	4.7	4.1	2.7	1.4	0.0
70°	7.4	6.0	5.2	4.6	3.1	1.5	0.0
67.5°	8.5	7.1	5.8	5.2	3.4	1.7	0.0
65°	10.0	8.3	6.7	5.8	3.8	1.9	0.0
62.5°	12.0	9.5	7.9	6.3	4.2	2.1	0.0
60°	14.0	11.1	9.1	6.8	4.6	2.2	0.0
57.5°	16.2	13.0	10.3	7.4	5.1	2.4	0.0
55°	19.4	14.8	11.4	8.4	5.5	2.6	0.0
52.5°	22.8	16.7	12.7	9.4	5.9	2.7	0.0
50°	26.2	19.0	14.8	10.5	6.3	2.9	0.0
47.5°	30.0	23.0	17.1	11.7	6.8	3.0	0.0
45°	36.8	27.6	20.1	12.9	7.2	3.2	0.0
42.5°	44.5	32.8	23.6	14.1	7.7	3.3	0.0
40°	55.4	38.5	27.6	16.3	8.2	3.4	0.0
37.5°	71.1	44.8	32.0	19.1	8.6	3.6	0.0
35°	93.1	58.1	38.6	23.6	9.9	3.8	0.0
32.5°	118.6	76.5	46.5	29.0	11.6	4.0	0.0
30°	145.2	96.1	55.1	34.9	13.3	4.2	0.0
27.5°	179.3	116.9	69.5	41.3	15.2	4.4	0.0
25°	217.6	138.6	85.5	47.9	17.2	4.6	0.0
22.5°	257.9	166.6	102.3	54.9	19.1	4.8	0.0
20°	301.9	210.1	119.9	62.1	21.1	5.0	0.0
17.5°	379.8	256.4	137.9	70.0	23.1	5.1	0.0
15°	478.0	306.4	156.3	78.3	25.0	5.3	0.0
12.5°	579.0	359.9	177.0	86.6	26.9	5.4	0.0
10°	681.5	408.7	198.6	94.8	28.7	5.6	0.0
7.5°	750.9	451.6	219.9	102.8	30.4	5.7	0.0
5°	805.7	492.1	240.9	110.6	31.9	5.8	0.0
2.5°	856.4	530.1	261.1	117.9	33.3	5.8	0.0
0°	902.9	565.2	280.3	124.6	34.5	5.9	0.0
-2.5°	885.7	549.9	271.0	121.2	34.2	5.9	0.0
-5°	864.1	531.6	260.6	117.2	33.7	6.0	0.0
-7.5°	838.2	510.1	249.1	112.7	33.0	6.0	0.0
-10°	793.5	485.7	236.7	107.7	32.1	6.0	0.0
-12.5°	702.8	446.0	223.6	102.3	31.0	6.0	0.0
-15°	610.7	390.7	208.2	96.7	29.8	6.0	0.0
-17.5°	518.0	338.0	188.5	90.8	28.5	5.9	0.0
-20°	441.5	289.0	169.1	84.5	27.0	5.8	0.0



REPORT NUMBER: P902130 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S6-ZVP418L

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	398.0	242.7	150.2	77.4	25.5	5.7	0.0
-25°	358.6	216.2	132.0	70.4	23.8	5.6	0.0
-27.5°	321.6	196.5	114.8	63.6	22.1	5.5	0.0
-30°	287.1	175.8	99.3	56.9	20.3	5.3	0.0
-32.5°	251.9	154.1	89.3	50.6	18.2	5.1	0.0
-35°	213.9	131.5	79.2	44.5	16.1	4.9	0.0
-37.5°	177.2	111.7	70.3	39.3	14.4	4.7	0.0
-40°	148.3	99.3	63.6	35.7	13.8	4.6	0.0
-42.5°	125.3	87.9	57.0	32.4	13.2	4.5	0.0
-45°	106.7	77.3	50.7	29.4	12.5	4.4	0.0
-47.5°	89.7	67.6	44.5	26.5	11.8	4.2	0.0
-50°	79.6	59.0	38.9	23.5	11.0	4.1	0.0
-52.5°	70.5	52.4	33.5	20.6	10.2	3.9	0.0
-55°	61.4	45.8	29.7	17.7	9.4	3.7	0.0
-57.5°	51.9	39.2	26.2	14.8	8.6	3.5	0.0
-60°	43.8	32.5	22.6	13.4	7.8	3.3	0.0
-62.5°	35.9	27.0	19.0	12.1	6.9	3.0	0.0
-65°	28.1	22.5	15.3	10.8	6.0	2.8	0.0
-67.5°	21.9	18.0	12.4	9.4	5.3	2.6	0.0
-70°	17.3	13.5	10.4	8.0	4.7	2.3	0.0
-72.5°	12.8	10.3	8.5	6.6	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)