

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: P902126 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-S4-ZVP418L**

Issue Date: 11/14/2024

Test Information

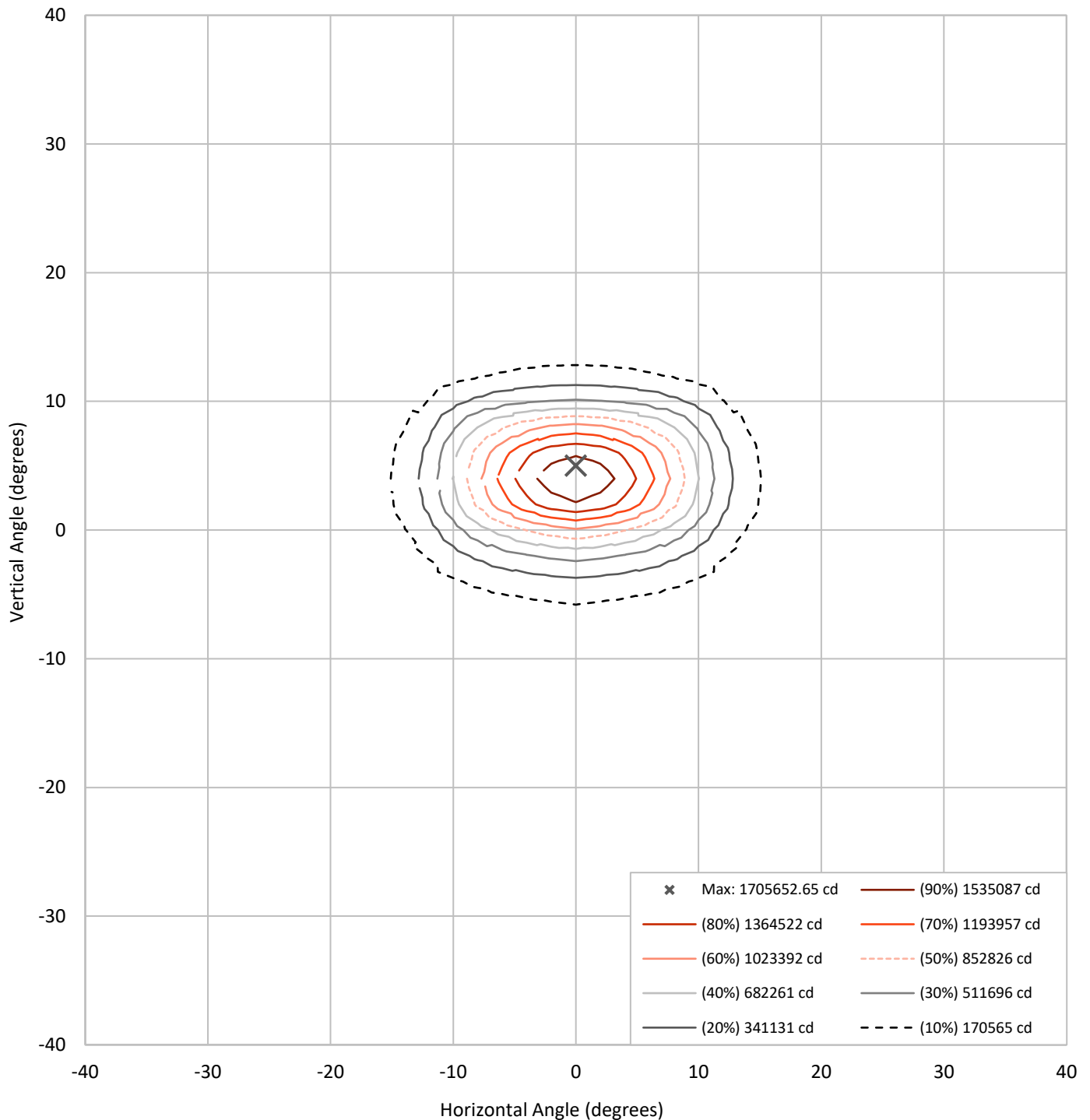
Test Method: LM-79-08
Report Number: P902126 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVA2007035)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-S4-ZVP418L
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND S4-ZVP418L OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 2V
Luminaire Lumens:	115900.9 lumens	Max Intensity:	1705652.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 5°V
Efficacy:	82.0 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	18°H x 9.5°V	Field Angle (10%):	29.6°H x 18.1°V
Beam Lumens:	50456.6 lumens	Field Lumens:	90546.6 lumens
Beam Efficiency:	43.5%	Field Efficiency:	78.1%
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		

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Iso-Candela Plot





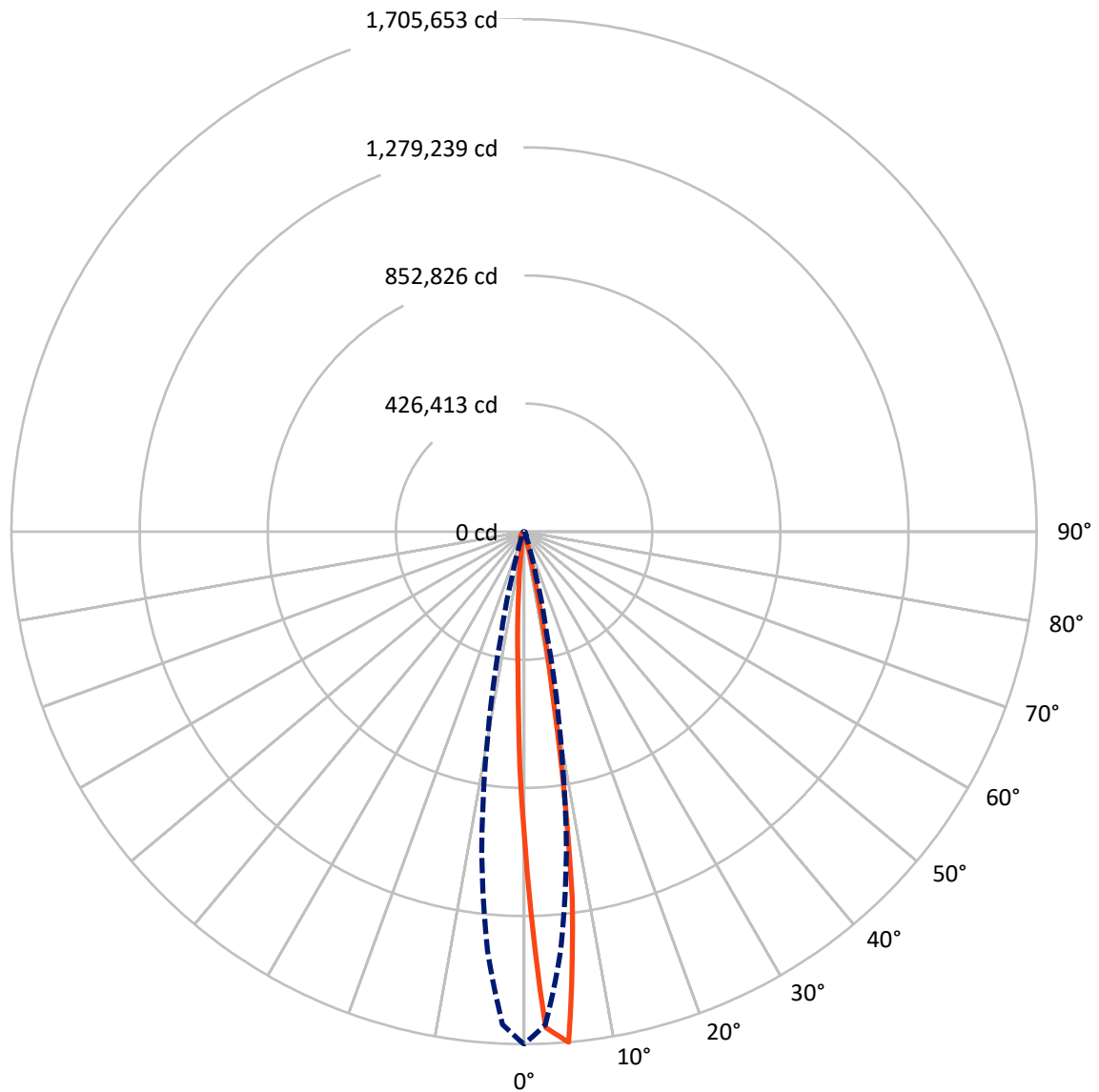
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Lumen Table

90	0.1	0.3		0.6		0.9		1.1		0.9		0.6		0.3		0.1			
80	0.1	0.3		0.6		0.9		1.1		0.9		0.6		0.3		0.1			
70	0.3	0.2	0.4	0.6	0.7	0.9	1.0	1.1	1.1	1.0	0.9	0.7	0.6	0.4	0.2	0.3			
60		0.5	0.9	1.3	1.6	1.9	2.1	2.3	2.3	2.1	1.9	1.6	1.3	0.9	0.5				
50	1.2	1.1	2.1	3.0	3.8	4.5	5.3	6.2	6.2	5.3	4.5	3.8	3.0	2.1	1.1	1.2			
40		3.5	7.5	12.6	18.5	24.4	30.9	42.0	42.0	30.9	24.4	18.5	12.6	7.5	3.5				
30	5.4	7.1	16.3	29.3	48.4	71.5	102.2	139.8	139.8	102.2	71.5	48.4	29.3	16.3	7.1	5.4			
20		14.6	32.3	60.8	96.6	190.1	818.0	2963.4	2963.4	818.0	190.1	96.6	60.8	32.3	14.6				
10	12.5	25.4	57.9	117.6	198.5	472.6	5767.4	31760.0	31760.0	5767.4	472.6	198.5	117.6	57.9	25.4	12.5			
0		26.9	59.8	119.2	185.8	364.1	1845.6	7504.1	7504.1	1845.6	364.1	185.8	119.2	59.8	26.9				
-10	7.8	18.9	41.9	81.5	128.0	198.8	396.3	836.0	836.0	396.3	198.8	128.0	81.5	41.9	18.9	7.8			
-20		13.0	28.4	52.3	86.1	136.6	305.1	699.0	699.0	305.1	136.6	86.1	52.3	28.4	13.0				
-30	3.0	8.5	16.9	29.7	51.1	78.4	210.9	476.8	476.8	210.9	78.4	51.1	29.7	16.9	8.5	3.0			
-40		3.5	7.0	11.3	18.0	39.6	118.7	247.8	247.8	118.7	39.6	18.0	11.3	7.0	3.5				
-50	0.9	2.0	4.8	8.0	12.5	24.9	59.8	107.9	107.9	59.8	24.9	12.5	8.0	4.8	2.0	0.9			
-60		0.8	1.7	2.7	4.4	8.7	18.4	29.8	29.8	18.4	8.7	4.4	2.7	1.7	0.8				
-70	0.1	0.7		1.8		5.9		11.0		5.9		1.8		0.7		0.1			
-80		0.7		1.8		5.9		11.0		5.9		1.8		0.7					
-90	0.1	0.7		1.8		5.9		11.0		5.9		1.8		0.7		0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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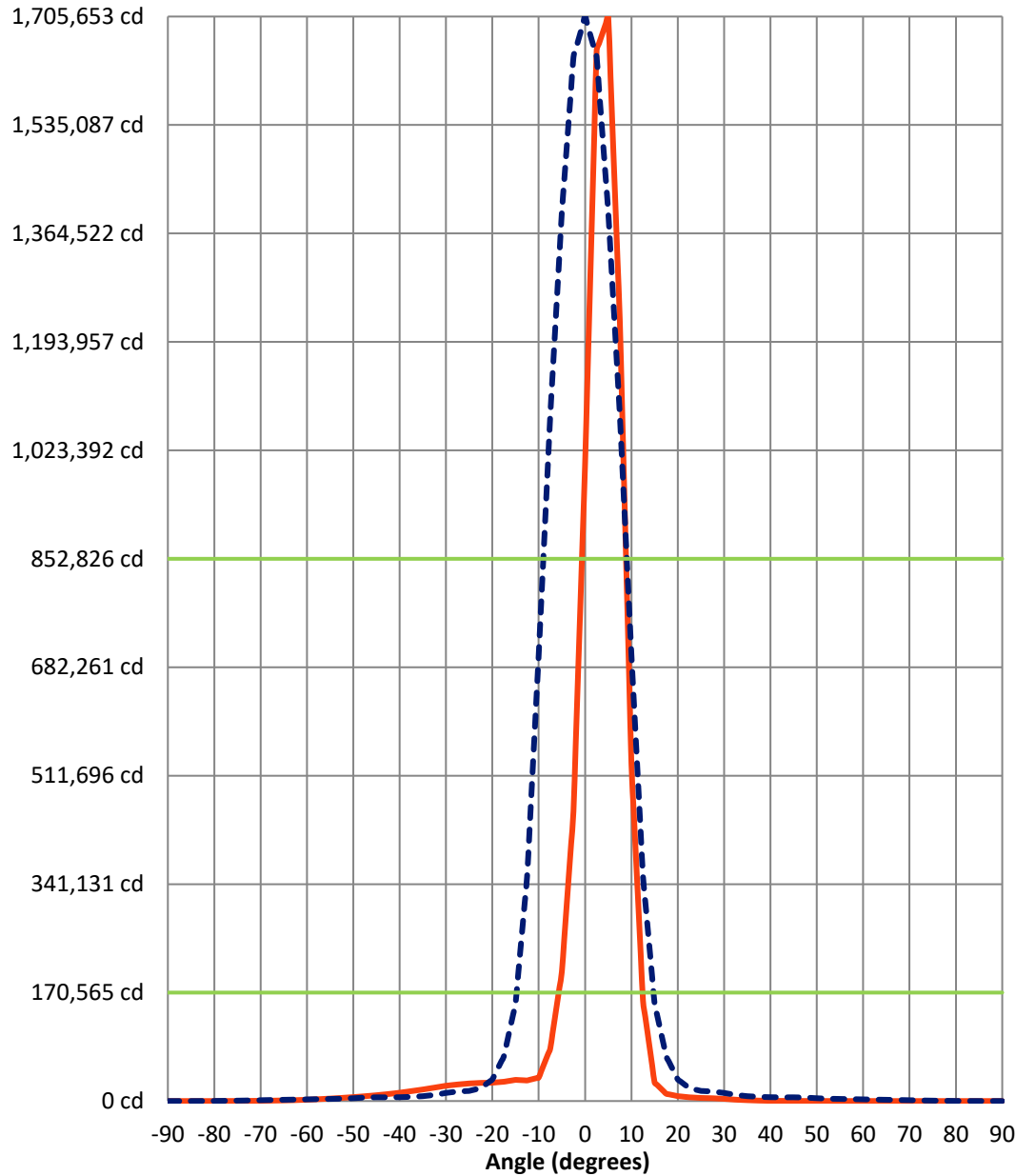
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 18°
 V Angle: 9.5°
 Lumens: 50456.6
 Efficiency: 43.5%

Field:
 H Angle: 29.6°
 V Angle: 18.1°
 Lumens: 90546.6
 Efficiency: 78.1%

Spill:
 Lumens: 25354.3
 Efficiency: 21.9%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 5-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	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	5.9	5.8	6.7	7.8
72.5°	0.0	1.4	2.7	4.1	4.7	5.2	6.0	6.6	7.2	8.4	9.6
70°	0.0	1.5	3.1	4.6	5.2	6.0	6.8	7.2	8.9	10.0	11.6
67.5°	0.0	1.7	3.4	5.2	5.8	7.1	7.7	9.2	10.8	12.3	14.1
65°	0.0	1.9	3.8	5.8	6.7	8.3	9.3	11.6	13.3	15.4	17.4
62.5°	0.0	2.1	4.2	6.3	7.9	9.5	11.6	14.1	16.4	18.9	22.1
60°	0.0	2.2	4.6	6.8	9.1	11.1	13.9	16.7	19.4	23.2	27.0
57.5°	0.0	2.4	5.1	7.4	10.3	13.0	16.2	19.4	23.6	27.7	32.8
55°	0.0	2.6	5.5	8.4	11.4	14.8	19.0	22.3	28.3	33.8	39.0
52.5°	0.0	2.7	5.9	9.4	12.7	16.7	21.8	27.1	33.1	40.3	46.9
50°	0.0	2.9	6.3	10.5	14.4	18.7	24.7	32.4	40.3	47.9	55.9
47.5°	0.0	3.0	6.8	11.7	16.3	22.1	28.2	38.0	48.1	59.4	68.8
45°	0.0	3.2	7.2	12.9	19.0	26.1	35.0	45.7	58.3	73.5	84.0
42.5°	0.0	3.3	7.7	14.1	22.0	30.6	42.6	59.2	77.0	93.9	101.7
40°	0.0	3.4	8.2	15.9	25.4	35.8	53.0	76.4	99.9	123.0	142.7
37.5°	0.0	3.6	8.6	18.2	29.2	41.4	67.2	97.0	126.7	164.8	200.2
35°	0.0	3.8	9.7	21.7	34.9	53.0	86.7	124.0	166.1	215.9	273.6
32.5°	0.0	4.0	11.0	25.9	41.8	68.6	109.1	156.2	208.9	270.9	334.6
30°	0.0	4.2	12.4	30.4	49.1	84.8	132.2	190.4	251.1	323.1	392.4
27.5°	0.0	4.4	14.0	35.3	60.6	101.7	159.4	225.5	297.9	375.6	453.7
25°	0.0	4.6	15.6	40.4	73.4	119.0	189.0	261.3	350.7	434.1	535.5
22.5°	0.0	4.8	17.3	45.7	86.9	140.7	219.6	315.8	409.0	516.6	622.3
20°	0.0	5.0	19.0	51.2	100.9	173.4	252.9	380.7	494.6	602.3	736.6
17.5°	0.0	5.1	20.7	57.6	115.4	207.9	313.4	450.3	616.5	731.9	859.1
15°	0.0	5.3	22.4	64.4	130.2	245.4	390.0	545.1	748.1	927.8	1063.7
12.5°	0.0	5.4	24.0	71.2	145.9	285.9	468.7	669.1	905.6	1131.4	1337.3
10°	0.0	5.6	25.6	77.9	161.7	322.7	548.2	793.8	1078.5	1342.0	1596.8
7.5°	0.0	5.7	27.1	84.5	177.2	354.7	601.7	905.5	1250.0	1548.4	1815.3
5°	0.0	5.8	28.5	90.8	192.3	384.8	643.8	959.0	1336.1	1690.4	2003.8
2.5°	0.0	5.8	29.8	96.8	206.7	412.7	682.7	1008.1	1389.3	1745.4	2065.8
0°	0.0	5.9	30.9	102.3	220.3	438.2	718.1	1052.6	1436.2	1794.4	2121.6
-2.5°	0.0	6.0	30.8	100.2	214.4	428.0	705.6	1038.5	1422.5	1780.4	2113.6
-5°	0.0	6.0	30.6	97.6	207.5	415.3	689.5	1019.6	1402.4	1760.0	2098.6
-7.5°	0.0	6.1	30.2	94.5	199.9	400.1	669.7	995.9	1351.6	1674.9	1999.8
-10°	0.0	6.1	29.6	91.1	191.6	382.5	636.4	915.7	1221.5	1539.3	1877.6
-12.5°	0.0	6.1	28.9	87.4	182.5	355.3	571.0	821.0	1090.0	1388.5	1666.3
-15°	0.0	6.1	28.1	83.3	172.2	318.5	504.5	724.3	962.7	1196.1	1413.2
-17.5°	0.0	6.0	27.2	79.1	159.2	283.9	437.9	640.6	843.7	1011.6	1216.9
-20°	0.0	5.9	26.2	74.5	146.3	251.8	383.3	571.0	729.9	905.3	1099.9



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.8	25.1	69.2	133.3	220.9	353.3	506.3	664.8	854.9	1005.9
-25°	0.0	5.7	23.8	63.9	120.6	201.0	325.4	453.9	640.8	813.4	986.6
-27.5°	0.0	5.6	22.6	58.6	108.1	184.2	298.0	430.1	614.8	793.3	971.2
-30°	0.0	5.4	21.2	53.4	96.3	166.2	270.5	400.1	570.3	751.5	915.1
-32.5°	0.0	5.2	19.5	48.2	87.0	147.0	238.2	363.5	498.0	683.5	808.0
-35°	0.0	4.9	17.7	43.2	77.7	126.6	202.5	312.7	415.4	544.0	663.9
-37.5°	0.0	4.7	16.2	38.8	69.3	108.5	167.6	253.9	332.3	417.5	499.8
-40°	0.0	4.6	15.5	35.8	63.1	97.0	141.0	207.5	270.0	317.4	376.6
-42.5°	0.0	4.5	14.7	32.9	57.1	86.5	120.6	169.4	218.8	258.9	290.0
-45°	0.0	4.4	13.9	30.2	51.2	76.9	104.8	140.3	179.0	220.2	256.7
-47.5°	0.0	4.2	13.0	27.5	45.6	68.2	90.3	123.1	156.5	193.5	227.2
-50°	0.0	4.1	12.1	24.8	40.4	60.6	81.6	109.8	138.2	169.7	199.7
-52.5°	0.0	3.9	11.2	22.1	35.2	54.3	73.4	97.0	120.0	149.0	176.1
-55°	0.0	3.7	10.2	19.4	31.4	47.8	64.9	84.7	105.2	129.2	152.7
-57.5°	0.0	3.5	9.2	16.6	27.8	41.2	55.5	72.3	89.7	109.4	129.9
-60°	0.0	3.3	8.2	15.0	24.0	34.4	46.9	58.8	73.7	87.5	105.7
-62.5°	0.0	3.0	7.2	13.4	20.1	28.6	38.5	45.3	58.1	64.0	80.8
-65°	0.0	2.8	6.1	11.8	16.1	23.6	30.2	36.8	43.6	49.6	56.6
-67.5°	0.0	2.6	5.3	10.2	12.9	18.7	23.5	28.5	33.1	38.1	42.5
-70°	0.0	2.3	4.7	8.5	10.7	13.7	18.3	20.8	24.8	28.6	32.2
-72.5°	0.0	2.0	4.1	6.9	8.6	10.3	13.2	15.7	17.1	20.5	23.4
-75°	0.0	1.8	3.6	5.3	6.5	8.2	8.9	10.7	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



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	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	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
80°	4.2	4.5	4.9	3.9	3.7	4.0	4.3	4.6	4.9	5.2	5.4
77.5°	5.6	5.9	6.3	5.9	5.5	5.5	6.0	6.2	6.6	6.9	7.2
75°	7.6	8.1	7.9	8.3	8.1	8.3	8.1	8.3	9.1	9.9	10.6
72.5°	9.9	10.3	10.5	10.8	11.0	11.2	11.4	11.5	12.4	13.3	13.4
70°	12.1	12.4	13.7	14.1	14.0	14.4	15.0	15.9	16.1	16.7	17.2
67.5°	14.7	16.2	17.5	17.9	18.3	18.9	19.9	20.8	21.2	21.8	21.2
65°	18.9	20.6	22.3	22.1	23.4	24.8	26.0	26.0	27.9	29.0	28.0
62.5°	23.8	25.6	27.6	28.0	29.2	30.7	32.3	32.5	34.2	35.6	34.4
60°	30.3	32.0	34.1	35.5	36.4	37.7	39.4	40.8	42.5	42.9	43.1
57.5°	36.8	39.3	41.9	44.0	45.2	46.2	47.5	50.4	51.4	52.2	53.6
55°	43.9	47.2	50.6	52.5	54.2	55.5	56.9	58.9	61.2	61.9	63.8
52.5°	52.0	56.0	60.0	62.7	64.6	66.5	68.4	69.6	71.9	73.4	74.9
50°	63.1	67.9	71.4	75.7	79.2	80.1	83.2	84.2	85.0	87.7	89.9
47.5°	76.7	82.7	88.3	94.1	98.3	100.8	104.3	106.9	107.3	111.7	113.7
45°	94.0	102.0	109.4	116.6	121.9	126.3	130.4	137.9	138.0	143.6	144.8
42.5°	114.9	124.6	134.0	141.4	148.2	154.1	158.8	164.4	169.3	176.2	176.8
40°	158.5	168.2	177.3	187.6	190.0	188.3	199.4	213.9	221.0	229.3	225.6
37.5°	228.6	258.2	283.2	288.8	283.0	297.3	324.9	357.8	392.2	421.9	403.1
35°	315.0	362.1	412.1	426.5	449.8	492.0	540.6	596.7	653.3	700.5	694.0
32.5°	394.4	457.8	513.3	563.5	618.5	668.0	728.2	794.0	869.3	922.9	944.5
30°	465.2	533.4	602.2	669.9	739.0	812.2	886.6	957.7	1040.7	1151.7	1269.5
27.5°	538.1	609.9	696.2	770.3	857.7	944.5	1034.6	1130.2	1250.7	1389.0	1532.3
25°	622.8	720.7	804.4	903.6	996.5	1096.9	1207.1	1315.7	1468.7	1619.3	1753.8
22.5°	736.5	841.1	955.1	1061.1	1176.9	1290.4	1413.1	1538.9	1683.5	1867.4	2012.6
20°	854.8	988.1	1119.7	1251.5	1378.2	1508.2	1642.9	1787.4	1943.2	2126.9	2324.0
17.5°	1026.1	1154.4	1305.0	1458.9	1599.3	1749.5	1896.5	2085.8	2259.9	2469.3	2673.3
15°	1218.5	1431.1	1571.7	1701.8	1903.2	2073.0	2328.0	2566.7	2773.7	3010.6	3206.8
12.5°	1539.7	1757.1	1953.0	2135.8	2352.8	2730.9	3267.8	3508.4	3704.5	3923.6	4154.5
10°	1882.3	2168.3	2407.1	2622.8	2958.2	3535.1	4409.5	4815.8	4699.4	4873.2	5228.5
7.5°	2106.5	2472.3	2833.4	3095.5	3413.9	4136.8	5176.0	5518.4	5403.9	5606.3	6097.2
5°	2300.7	2651.8	3021.6	3329.7	3685.6	4457.1	5507.0	5896.3	5825.9	6055.3	6660.5
2.5°	2378.6	2742.9	3101.5	3433.5	3802.0	4566.4	5620.7	6051.2	6009.3	6253.1	6875.4
0°	2440.5	2796.0	3095.9	3414.0	3807.1	4556.2	5579.7	6057.9	6044.7	6314.6	6916.2
-2.5°	2444.4	2813.3	3099.1	3411.0	3796.1	4488.8	5478.3	6001.8	6011.4	6305.9	6798.1
-5°	2433.6	2799.7	3074.4	3382.6	3750.9	4382.1	5311.9	5858.4	5886.4	6156.9	6602.1
-7.5°	2335.9	2716.5	3013.1	3308.5	3630.8	4197.4	5077.8	5656.5	5706.2	5877.0	6391.3
-10°	2205.7	2514.8	2767.8	3060.2	3395.3	3885.7	4683.3	5331.3	5415.7	5469.4	5949.7
-12.5°	1922.6	2204.1	2454.9	2684.0	2959.1	3415.7	4041.5	4696.5	4949.3	4919.0	5304.4
-15°	1642.7	1886.5	2068.6	2272.4	2538.3	2832.0	3281.8	3723.0	4095.5	4243.8	4576.1
-17.5°	1430.8	1583.5	1800.1	2007.0	2217.2	2468.7	2725.3	3089.5	3378.8	3664.9	4014.6
-20°	1249.5	1454.6	1630.9	1826.0	2019.5	2232.4	2463.1	2745.7	3026.3	3335.6	3678.0



REPORT NUMBER: P902126 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1197.0	1363.4	1549.6	1698.3	1867.1	2056.2	2291.5	2528.0	2771.6	3065.5	3341.6
-25°	1152.6	1336.1	1503.0	1607.7	1739.2	1928.1	2157.6	2400.2	2643.8	2902.4	3061.1
-27.5°	1119.8	1306.5	1453.2	1513.7	1614.5	1778.7	1998.0	2256.4	2593.1	2880.1	3040.3
-30°	1072.6	1218.5	1383.5	1388.1	1452.9	1592.5	1777.2	2030.9	2427.0	2796.0	2992.9
-32.5°	949.7	1085.7	1178.7	1215.0	1256.6	1353.0	1500.6	1709.4	2022.5	2435.9	2740.8
-35°	762.4	863.3	937.4	955.8	991.1	1070.9	1177.5	1309.4	1500.9	1777.2	1985.9
-37.5°	560.5	632.1	687.9	704.1	729.8	790.9	864.7	936.7	1034.5	1168.6	1285.4
-40°	419.7	453.5	488.0	523.5	554.7	590.4	637.2	686.9	736.5	795.4	867.1
-42.5°	326.0	365.6	398.9	426.5	452.6	483.0	504.6	547.7	590.7	632.0	680.8
-45°	288.2	325.3	354.0	379.5	409.8	441.6	471.6	490.5	525.8	561.2	606.6
-47.5°	260.5	295.9	322.9	353.3	386.4	419.3	455.4	483.7	503.8	535.5	576.2
-50°	231.2	262.7	291.9	328.7	363.1	394.7	431.7	456.1	479.3	508.9	538.0
-52.5°	203.3	234.9	270.6	301.0	336.7	364.8	391.8	415.0	440.3	462.6	497.4
-55°	181.9	217.5	258.8	284.1	317.1	336.9	358.2	380.0	404.9	435.5	465.7
-57.5°	158.6	188.9	216.3	256.3	268.6	312.3	311.0	336.8	353.8	375.6	404.1
-60°	128.6	147.6	164.9	184.7	191.1	213.9	225.5	232.6	261.6	270.3	294.7
-62.5°	91.0	106.1	111.5	125.5	128.3	137.8	145.5	151.6	155.6	178.4	189.9
-65°	65.0	70.5	76.6	81.4	89.8	94.1	104.0	109.6	116.8	128.3	138.5
-67.5°	46.8	51.9	55.7	61.3	65.9	70.4	76.7	81.4	87.7	96.2	104.6
-70°	35.2	37.4	41.3	44.9	48.2	52.4	56.2	59.0	64.0	70.3	76.9
-72.5°	25.2	27.7	29.4	31.4	34.2	36.9	39.6	41.9	45.1	49.0	53.6
-75°	17.3	18.9	19.5	21.0	22.4	23.7	25.0	27.9	29.8	32.3	35.3
-77.5°	10.3	10.9	12.5	12.9	13.1	14.6	15.5	17.1	17.9	19.3	21.1
-80°	6.1	6.4	6.8	6.8	6.1	7.4	8.3	8.5	8.8	9.6	9.1
-82.5°	2.8	3.1	2.0	2.6	2.9	3.3	3.8	2.5	2.7	3.1	1.9
-85°	0.6	0.9	0.6	0.8	0.9	1.1	1.2	0.1	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



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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	2.2
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°	7.5	7.8	8.0	8.3	8.5	8.7	8.9	9.0	9.2	9.3	9.4
75°	10.1	10.2	10.8	11.4	11.9	11.2	11.0	11.4	11.8	12.1	12.3
72.5°	13.2	14.0	14.7	15.4	16.1	15.6	15.7	16.4	16.4	17.3	17.0
70°	17.1	17.8	18.6	19.4	20.1	21.1	22.4	22.3	22.0	22.6	22.9
67.5°	22.5	23.0	24.7	25.1	25.6	26.6	28.5	27.2	26.7	27.2	27.7
65°	29.8	30.6	31.3	30.9	30.5	32.0	33.4	33.4	33.1	34.1	34.6
62.5°	35.5	37.4	37.5	37.3	37.5	39.2	40.7	40.5	41.4	42.2	42.5
60°	43.8	45.3	45.8	45.7	46.5	47.7	49.2	49.1	49.4	49.9	51.0
57.5°	53.1	55.0	56.1	55.5	55.7	57.2	58.2	58.0	59.2	60.3	61.2
55°	63.2	64.7	65.0	66.3	65.7	65.5	67.8	69.0	69.7	71.3	72.6
52.5°	75.5	76.3	77.0	78.3	78.2	78.2	80.9	82.2	82.8	84.5	85.4
50°	90.9	91.7	92.4	95.0	94.9	96.8	99.3	98.6	100.7	101.6	103.5
47.5°	117.3	117.0	119.7	120.8	120.4	125.7	126.4	125.9	132.5	136.2	139.1
45°	149.8	151.6	155.9	157.3	162.6	165.7	169.2	175.1	181.5	182.7	189.6
42.5°	182.0	185.2	187.8	193.7	197.8	202.3	209.9	215.1	225.0	229.9	240.7
40°	222.4	224.8	226.1	244.0	240.1	244.6	254.7	264.0	277.5	300.3	312.9
37.5°	375.0	370.4	387.9	390.2	357.6	406.8	403.0	456.4	459.9	536.5	606.9
35°	684.3	690.7	708.0	734.7	746.2	781.7	819.6	863.7	917.9	1008.7	1102.8
32.5°	1028.5	1139.8	1236.8	1287.2	1280.8	1357.3	1399.5	1412.8	1465.7	1518.6	1648.8
30°	1432.5	1636.8	1782.4	1794.2	1863.8	2020.3	2124.2	2178.3	2283.2	2436.7	2512.2
27.5°	1727.4	1954.2	2058.9	2096.9	2280.8	2501.9	2660.6	2763.4	2933.5	3071.1	3198.4
25°	1898.7	2028.6	2190.5	2318.7	2505.2	2755.3	3014.3	3124.2	3278.9	3528.0	3793.6
22.5°	2132.5	2285.9	2486.5	2651.9	2815.5	3026.3	3284.1	3457.7	3742.5	4209.4	4630.7
20°	2451.6	2627.7	2857.2	3094.6	3360.7	3709.3	4094.0	4694.1	5278.9	5910.8	6522.8
17.5°	2848.5	3088.9	3380.2	3925.1	4657.8	5294.3	5887.8	6665.9	7473.7	8478.7	9161.9
15°	3453.1	3858.4	4481.3	5397.9	6210.2	7000.0	8038.9	9670.2	12005.6	15131.8	17256.2
12.5°	4468.3	5051.3	6173.4	7348.7	8108.6	9745.7	13421.7	20656.8	33448.7	53744.0	70220.6
10°	5696.8	6731.9	8909.1	10528.0	11079.7	13331.7	19993.7	35540.9	69829.5	147302.4	285231.8
7.5°	6877.0	8584.2	11473.1	13536.4	13879.5	17219.6	28408.9	57859.4	121307.1	270115.6	540237.6
5°	7638.8	9627.2	12766.3	15023.1	15958.6	20259.5	34052.0	70547.9	153321.1	353314.9	702079.0
2.5°	7853.6	9766.4	13034.7	15286.5	16325.3	20250.4	32574.0	69534.6	152520.7	339734.2	663171.2
0°	7791.9	9414.2	12332.6	14344.9	15286.9	18560.7	28120.1	55637.1	112693.3	235792.3	444045.1
-2.5°	7511.9	8699.6	10866.5	12757.3	13851.3	16646.9	22904.1	37436.8	67320.8	135076.1	239612.5
-5°	7176.0	8066.7	9576.6	11298.6	12496.1	14467.6	17955.9	24101.3	36041.8	62999.0	96249.7
-7.5°	6850.5	7547.3	8527.1	9751.9	10998.0	12604.2	14821.1	17916.1	21833.5	27506.0	36470.1
-10°	6342.2	6757.0	7432.1	8294.7	9299.0	10650.8	12176.0	13852.2	16059.1	18960.2	23026.6
-12.5°	5732.6	6092.2	6425.2	6838.3	7506.1	8653.0	10202.6	11930.9	14181.0	17438.0	21605.5
-15°	5047.1	5511.9	5817.1	6142.8	6673.6	7504.2	8721.1	10245.6	12542.6	15898.6	20591.2
-17.5°	4463.3	4973.0	5445.4	5675.2	6189.6	6899.9	7786.1	8924.9	11011.1	14062.7	17876.6
-20°	4073.1	4512.0	4880.6	5204.1	5697.8	6497.9	7273.4	8445.2	10466.3	13439.3	17137.3



REPORT NUMBER: P902126 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S4-ZVP418L

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3683.0	4069.9	4402.2	4727.2	5297.2	6057.9	6880.8	8079.3	10116.4	13134.1	16896.3
-25°	3307.9	3629.7	3928.5	4268.7	4860.8	5559.1	6366.7	7846.9	9949.5	12795.7	16558.0
-27.5°	3139.5	3327.7	3540.9	3825.9	4337.2	5015.6	5873.4	7213.8	9464.5	12478.8	15790.5
-30°	3019.2	3046.8	3131.5	3352.6	3760.1	4365.4	5185.1	6495.4	8534.0	11224.8	14397.0
-32.5°	2771.4	2719.8	2749.7	2900.9	3194.7	3723.1	4559.1	5816.1	7661.8	10056.5	12909.6
-35°	2205.6	2182.4	2244.4	2390.6	2686.0	3150.6	3945.0	5161.6	6805.3	8938.6	11386.3
-37.5°	1404.6	1490.2	1646.6	1820.0	2084.8	2627.1	3374.4	4480.0	5941.9	7812.6	9931.2
-40°	958.7	1022.5	1204.1	1408.7	1717.7	2185.6	2836.1	3836.4	5097.1	6682.0	8466.0
-42.5°	753.1	835.5	950.3	1151.7	1435.3	1881.7	2481.6	3313.8	4398.6	5699.5	7179.3
-45°	667.9	755.9	869.9	1046.6	1298.4	1681.9	2217.3	2941.0	3858.2	4938.1	6114.8
-47.5°	630.9	711.4	819.0	972.7	1202.9	1537.4	1993.4	2585.9	3343.5	4230.8	5175.9
-50°	591.6	661.8	760.0	900.5	1104.1	1389.4	1775.0	2269.3	2884.0	3585.2	4330.1
-52.5°	540.2	611.6	696.8	822.8	997.6	1232.0	1551.3	1954.4	2433.8	2977.5	3552.5
-55°	512.2	566.9	644.3	742.9	885.5	1072.7	1315.8	1623.8	1986.9	2387.5	2814.3
-57.5°	442.2	484.6	554.6	631.2	740.0	888.2	1068.6	1291.5	1552.5	1842.0	2141.7
-60°	325.3	358.4	401.8	464.7	554.3	659.8	783.3	953.3	1141.7	1345.8	1549.4
-62.5°	212.5	246.5	277.3	321.8	391.4	469.9	562.2	675.6	806.6	948.0	1089.2
-65°	155.5	176.7	203.9	236.6	282.5	337.2	404.0	480.1	567.2	663.8	758.1
-67.5°	116.7	132.0	152.5	176.3	206.3	243.7	288.0	338.7	395.8	455.5	514.8
-70°	85.4	97.3	111.1	127.2	147.4	172.6	201.4	234.0	270.2	306.6	342.6
-72.5°	60.5	68.3	77.4	88.6	101.2	116.1	134.8	156.2	178.4	201.1	224.6
-75°	38.9	44.2	50.4	57.1	65.1	74.2	85.3	96.7	109.3	122.6	136.0
-77.5°	23.4	25.9	29.0	32.3	36.4	41.3	48.3	53.1	59.0	65.8	72.4
-80°	10.2	11.8	12.2	13.5	15.8	17.4	19.8	22.9	25.5	26.7	29.1
-82.5°	2.3	3.0	3.2	3.6	4.0	4.3	4.7	5.9	6.3	6.6	6.9
-85°	0.1	0.2	0.3	0.4	0.5	0.6	0.6	0.7	0.7	0.8	0.8
-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: P902126 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S4-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	2.2	2.2	2.2	2.1
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°	5.0	5.0	5.0	5.0	5.0	5.0	5.0	4.9	4.9	4.8	4.7
80°	7.2	7.3	7.3	7.3	7.3	7.3	7.2	7.2	7.1	7.0	6.9
77.5°	11.1	11.3	11.3	11.4	11.3	11.3	11.1	9.4	9.3	9.2	9.0
75°	13.4	13.6	14.5	13.7	14.5	13.6	13.4	12.3	12.1	11.8	11.4
72.5°	18.1	18.5	19.0	18.7	19.0	18.5	18.1	17.0	17.3	16.4	16.4
70°	23.3	23.6	23.7	23.7	23.7	23.6	23.3	22.9	22.6	22.0	22.3
67.5°	29.5	30.2	28.8	28.7	28.8	30.2	29.5	27.7	27.2	26.7	27.2
65°	36.2	37.1	36.5	36.5	36.5	37.1	36.2	34.6	34.1	33.1	33.4
62.5°	43.2	43.8	44.1	44.2	44.1	43.8	43.2	42.5	42.2	41.4	40.5
60°	51.8	52.3	52.7	52.8	52.7	52.3	51.8	51.0	49.9	49.4	49.1
57.5°	61.0	61.7	62.2	62.4	62.2	61.7	61.0	61.2	60.3	59.2	58.0
55°	72.8	73.8	74.4	74.7	74.4	73.8	72.8	72.6	71.3	69.7	69.0
52.5°	86.2	87.4	88.0	88.3	88.0	87.4	86.2	85.4	84.5	82.8	82.2
50°	103.9	104.3	105.3	105.6	105.3	104.3	103.9	103.5	101.6	100.7	98.6
47.5°	136.3	141.6	144.1	145.2	144.1	141.6	136.3	139.1	136.2	132.5	125.9
45°	194.2	199.2	200.7	202.1	200.7	199.2	194.2	189.6	182.7	181.5	175.1
42.5°	250.4	257.4	261.6	263.1	261.6	257.4	250.4	240.7	229.9	225.0	215.1
40°	326.9	336.7	345.5	349.5	345.5	336.7	326.9	312.9	300.3	277.5	264.0
37.5°	637.9	667.4	703.3	717.7	703.3	667.4	637.9	606.9	536.5	459.9	456.4
35°	1173.2	1260.9	1320.0	1348.9	1320.0	1260.9	1173.2	1102.8	1008.7	917.9	863.7
32.5°	1826.9	2004.6	2122.4	2152.1	2122.4	2004.6	1826.9	1648.8	1518.6	1465.7	1412.8
30°	2749.0	2971.2	3269.2	3484.1	3269.2	2971.2	2749.0	2512.2	2436.7	2283.2	2178.3
27.5°	3511.8	3765.4	4165.1	4416.5	4165.1	3765.4	3511.8	3198.4	3071.1	2933.5	2763.4
25°	3911.5	4172.1	4572.9	4881.2	4572.9	4172.1	3911.5	3793.6	3528.0	3278.9	3124.2
22.5°	4872.7	5296.5	5599.0	5870.1	5599.0	5296.5	4872.7	4630.7	4209.4	3742.5	3457.7
20°	7004.4	7367.3	7586.6	7734.5	7586.6	7367.3	7004.4	6522.8	5910.8	5278.9	4694.1
17.5°	10423.8	10667.5	11259.1	11479.3	11259.1	10667.5	10423.8	9161.9	8478.7	7473.7	6665.9
15°	21217.6	24517.9	29480.1	29350.6	29480.1	24517.9	21217.6	17256.2	15131.8	12005.6	9670.2
12.5°	108323.7	131885.4	154183.6	157921.4	154183.6	131885.4	108323.7	70220.6	53744.0	33448.7	20656.8
10°	400690.8	473624.1	516239.4	530200.1	516239.4	473624.1	400690.8	285231.8	147302.4	69829.5	35540.9
7.5°	811201.0	#####	#####	#####	#####	#####	811201.0	540237.6	270115.6	121307.1	57859.4
5°	#####	#####	#####	#####	#####	#####	#####	702079.0	353314.9	153321.1	70547.9
2.5°	#####	#####	#####	#####	#####	#####	#####	663171.2	339734.2	152520.7	69534.6
0°	650922.7	810690.8	929638.7	#####	929638.7	810690.8	650922.7	444045.1	235792.3	112693.3	55637.1
-2.5°	327376.7	389451.0	436224.7	455645.0	436224.7	389451.0	327376.7	239612.5	135076.1	67320.8	37436.8
-5°	126932.0	151151.6	179553.4	203563.8	179553.4	151151.6	126932.0	96249.7	62999.0	36041.8	24101.3
-7.5°	46375.5	57145.0	68191.2	82844.8	68191.2	57145.0	46375.5	36470.1	27506.0	21833.5	17916.1
-10°	27562.7	31908.6	34772.8	36924.9	34772.8	31908.6	27562.7	23026.6	18960.2	16059.1	13852.2
-12.5°	25575.6	29141.3	31526.8	32403.7	31526.8	29141.3	25575.6	21605.5	17438.0	14181.0	11930.9
-15°	25211.7	29598.5	32286.4	33280.7	32286.4	29598.5	25211.7	20591.2	15898.6	12542.6	10245.6
-17.5°	22694.9	26606.2	29467.0	30392.3	29467.0	26606.2	22694.9	17876.6	14062.7	11011.1	8924.9
-20°	21397.7	25257.2	27923.7	28877.3	27923.7	25257.2	21397.7	17137.3	13439.3	10466.3	8445.2



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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	21069.0	25108.4	27625.0	28578.8	27625.0	25108.4	21069.0	16896.3	13134.1	10116.4	8079.3
-25°	20648.5	24328.1	26799.7	27651.3	26799.7	24328.1	20648.5	16558.0	12795.7	9949.5	7846.9
-27.5°	19511.7	23017.1	25421.7	26063.1	25421.7	23017.1	19511.7	15790.5	12478.8	9464.5	7213.8
-30°	17914.9	20992.2	23214.2	24095.4	23214.2	20992.2	17914.9	14397.0	11224.8	8534.0	6495.4
-32.5°	15891.6	18589.2	20439.8	21112.8	20439.8	18589.2	15891.6	12909.6	10056.5	7661.8	5816.1
-35°	13926.2	16099.1	17601.9	18173.0	17601.9	16099.1	13926.2	11386.3	8938.6	6805.3	5161.6
-37.5°	12054.0	13887.3	15116.8	15603.2	15116.8	13887.3	12054.0	9931.2	7812.6	5941.9	4480.0
-40°	10237.7	11744.7	12732.4	13104.4	12732.4	11744.7	10237.7	8466.0	6682.0	5097.1	3836.4
-42.5°	8625.1	9855.9	10653.4	10978.2	10653.4	9855.9	8625.1	7179.3	5699.5	4398.6	3313.8
-45°	7279.0	8257.2	8903.6	9145.2	8903.6	8257.2	7279.0	6114.8	4938.1	3858.2	2941.0
-47.5°	6093.3	6869.0	7388.3	7592.0	7388.3	6869.0	6093.3	5175.9	4230.8	3343.5	2585.9
-50°	5049.2	5641.6	6045.4	6200.0	6045.4	5641.6	5049.2	4330.1	3585.2	2884.0	2269.3
-52.5°	4098.3	4553.5	4863.7	4986.2	4863.7	4553.5	4098.3	3552.5	2977.5	2433.8	1954.4
-55°	3216.1	3551.5	3795.8	3908.2	3795.8	3551.5	3216.1	2814.3	2387.5	1986.9	1623.8
-57.5°	2427.5	2667.3	2854.3	2959.8	2854.3	2667.3	2427.5	2141.7	1842.0	1552.5	1291.5
-60°	1741.3	1905.9	2024.4	2075.1	2024.4	1905.9	1741.3	1549.4	1345.8	1141.7	953.3
-62.5°	1220.1	1328.8	1404.4	1431.7	1404.4	1328.8	1220.1	1089.2	948.0	806.6	675.6
-65°	843.7	913.6	958.9	976.6	958.9	913.6	843.7	758.1	663.8	567.2	480.1
-67.5°	569.8	613.9	641.0	652.5	641.0	613.9	569.8	514.8	455.5	395.8	338.7
-70°	374.9	399.1	415.0	420.5	415.0	399.1	374.9	342.6	306.6	270.2	234.0
-72.5°	244.4	259.0	269.6	272.6	269.6	259.0	244.4	224.6	201.1	178.4	156.2
-75°	147.5	156.8	161.4	163.8	161.4	156.8	147.5	136.0	122.6	109.3	96.7
-77.5°	77.2	82.7	84.3	86.4	84.3	82.7	77.2	72.4	65.8	59.0	53.1
-80°	31.7	32.3	32.7	32.8	32.7	32.3	31.7	29.1	26.7	25.5	22.9
-82.5°	7.0	5.4	5.4	5.5	5.4	5.4	7.0	6.9	6.6	6.3	5.9
-85°	0.9	0.0	0.0	0.0	0.0	0.0	0.9	0.8	0.8	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



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	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°	8.9	8.7	8.5	8.3	8.0	7.8	7.5	7.2	6.9	6.6	6.2
75°	11.0	11.2	11.9	11.4	10.8	10.2	10.1	10.6	9.9	9.1	8.3
72.5°	15.7	15.6	16.1	15.4	14.7	14.0	13.2	13.4	13.3	12.4	11.5
70°	22.4	21.1	20.1	19.4	18.6	17.8	17.1	17.2	16.7	16.1	15.9
67.5°	28.5	26.6	25.6	25.1	24.7	23.0	22.5	21.2	21.8	21.2	20.8
65°	33.4	32.0	30.5	30.9	31.3	30.6	29.8	28.0	29.0	27.9	26.0
62.5°	40.7	39.2	37.5	37.3	37.5	37.4	35.5	34.4	35.6	34.2	32.5
60°	49.2	47.7	46.5	45.7	45.8	45.3	43.8	43.1	42.9	42.5	40.8
57.5°	58.2	57.2	55.7	55.5	56.1	55.0	53.1	53.6	52.2	51.4	50.4
55°	67.8	65.5	65.7	66.3	65.0	64.7	63.2	63.8	61.9	61.2	58.9
52.5°	80.9	78.2	78.2	78.3	77.0	76.3	75.5	74.9	73.4	71.9	69.6
50°	99.3	96.8	94.9	95.0	92.4	91.7	90.9	89.9	87.7	85.0	84.2
47.5°	126.4	125.7	120.4	120.8	119.7	117.0	117.3	113.7	111.7	107.3	106.9
45°	169.2	165.7	162.6	157.3	155.9	151.6	149.8	144.8	143.6	138.0	137.9
42.5°	209.9	202.3	197.8	193.7	187.8	185.2	182.0	176.8	176.2	169.3	164.4
40°	254.7	244.6	240.1	244.0	226.1	224.8	222.4	225.6	229.3	221.0	213.9
37.5°	403.0	406.8	357.6	390.2	387.9	370.4	375.0	403.1	421.9	392.2	357.8
35°	819.6	781.7	746.2	734.7	708.0	690.7	684.3	694.0	700.5	653.3	596.7
32.5°	1399.5	1357.3	1280.8	1287.2	1236.8	1139.8	1028.5	944.5	922.9	869.3	794.0
30°	2124.2	2020.3	1863.8	1794.2	1782.4	1636.8	1432.5	1269.5	1151.7	1040.7	957.7
27.5°	2660.6	2501.9	2280.8	2096.9	2058.9	1954.2	1727.4	1532.3	1389.0	1250.7	1130.2
25°	3014.3	2755.3	2505.2	2318.7	2190.5	2028.6	1898.7	1753.8	1619.3	1468.7	1315.7
22.5°	3284.1	3026.3	2815.5	2651.9	2486.5	2285.9	2132.5	2012.6	1867.4	1683.5	1538.9
20°	4094.0	3709.3	3360.7	3094.6	2857.2	2627.7	2451.6	2324.0	2126.9	1943.2	1787.4
17.5°	5887.8	5294.3	4657.8	3925.1	3380.2	3088.9	2848.5	2673.3	2469.3	2259.9	2085.8
15°	8038.9	7000.0	6210.2	5397.9	4481.3	3858.4	3453.1	3206.8	3010.6	2773.7	2566.7
12.5°	13421.7	9745.7	8108.6	7348.7	6173.4	5051.3	4468.3	4154.5	3923.6	3704.5	3508.4
10°	19993.7	13331.7	11079.7	10528.0	8909.1	6731.9	5696.8	5228.5	4873.2	4699.4	4815.8
7.5°	28408.9	17219.6	13879.5	13536.4	11473.1	8584.2	6877.0	6097.2	5606.3	5403.9	5518.4
5°	34052.0	20259.5	15958.6	15023.1	12766.3	9627.2	7638.8	6660.5	6055.3	5825.9	5896.3
2.5°	32574.0	20250.4	16325.3	15286.5	13034.7	9766.4	7853.6	6875.4	6253.1	6009.3	6051.2
0°	28120.1	18560.7	15286.9	14344.9	12332.6	9414.2	7791.9	6916.2	6314.6	6044.7	6057.9
-2.5°	22904.1	16646.9	13851.3	12757.3	10866.5	8699.6	7511.9	6798.1	6305.9	6011.4	6001.8
-5°	17955.9	14467.6	12496.1	11298.6	9576.6	8066.7	7176.0	6602.1	6156.9	5886.4	5858.4
-7.5°	14821.1	12604.2	10998.0	9751.9	8527.1	7547.3	6850.5	6391.3	5877.0	5706.2	5656.5
-10°	12176.0	10650.8	9299.0	8294.7	7432.1	6757.0	6342.2	5949.7	5469.4	5415.7	5331.3
-12.5°	10202.6	8653.0	7506.1	6838.3	6425.2	6092.2	5732.6	5304.4	4919.0	4949.3	4696.5
-15°	8721.1	7504.2	6673.6	6142.8	5817.1	5511.9	5047.1	4576.1	4243.8	4095.5	3723.0
-17.5°	7786.1	6899.9	6189.6	5675.2	5445.4	4973.0	4463.3	4014.6	3664.9	3378.8	3089.5
-20°	7273.4	6497.9	5697.8	5204.1	4880.6	4512.0	4073.1	3678.0	3335.6	3026.3	2745.7



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6880.8	6057.9	5297.2	4727.2	4402.2	4069.9	3683.0	3341.6	3065.5	2771.6	2528.0
-25°	6366.7	5559.1	4860.8	4268.7	3928.5	3629.7	3307.9	3061.1	2902.4	2643.8	2400.2
-27.5°	5873.4	5015.6	4337.2	3825.9	3540.9	3327.7	3139.5	3040.3	2880.1	2593.1	2256.4
-30°	5185.1	4365.4	3760.1	3352.6	3131.5	3046.8	3019.2	2992.9	2796.0	2427.0	2030.9
-32.5°	4559.1	3723.1	3194.7	2900.9	2749.7	2719.8	2771.4	2740.8	2435.9	2022.5	1709.4
-35°	3945.0	3150.6	2686.0	2390.6	2244.4	2182.4	2205.6	1985.9	1777.2	1500.9	1309.4
-37.5°	3374.4	2627.1	2084.8	1820.0	1646.6	1490.2	1404.6	1285.4	1168.6	1034.5	936.7
-40°	2836.1	2185.6	1717.7	1408.7	1204.1	1022.5	958.7	867.1	795.4	736.5	686.9
-42.5°	2481.6	1881.7	1435.3	1151.7	950.3	835.5	753.1	680.8	632.0	590.7	547.7
-45°	2217.3	1681.9	1298.4	1046.6	869.9	755.9	667.9	606.6	561.2	525.8	490.5
-47.5°	1993.4	1537.4	1202.9	972.7	819.0	711.4	630.9	576.2	535.5	503.8	483.7
-50°	1775.0	1389.4	1104.1	900.5	760.0	661.8	591.6	538.0	508.9	479.3	456.1
-52.5°	1551.3	1232.0	997.6	822.8	696.8	611.6	540.2	497.4	462.6	440.3	415.0
-55°	1315.8	1072.7	885.5	742.9	644.3	566.9	512.2	465.7	435.5	404.9	380.0
-57.5°	1068.6	888.2	740.0	631.2	554.6	484.6	442.2	404.1	375.6	353.8	336.8
-60°	783.3	659.8	554.3	464.7	401.8	358.4	325.3	294.7	270.3	261.6	232.6
-62.5°	562.2	469.9	391.4	321.8	277.3	246.5	212.5	189.9	178.4	155.6	151.6
-65°	404.0	337.2	282.5	236.6	203.9	176.7	155.5	138.5	128.3	116.8	109.6
-67.5°	288.0	243.7	206.3	176.3	152.5	132.0	116.7	104.6	96.2	87.7	81.4
-70°	201.4	172.6	147.4	127.2	111.1	97.3	85.4	76.9	70.3	64.0	59.0
-72.5°	134.8	116.1	101.2	88.6	77.4	68.3	60.5	53.6	49.0	45.1	41.9
-75°	85.3	74.2	65.1	57.1	50.4	44.2	38.9	35.3	32.3	29.8	27.9
-77.5°	48.3	41.3	36.4	32.3	29.0	25.9	23.4	21.1	19.3	17.9	17.1
-80°	19.8	17.4	15.8	13.5	12.2	11.8	10.2	9.1	9.6	8.8	8.5
-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



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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S4-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	3.6	3.6	3.6	3.6	3.4	3.1	2.8	2.6	2.4	3.8
80°	4.3	4.0	3.7	3.9	4.9	4.5	4.2	4.0	3.4	3.3	4.5
77.5°	6.0	5.5	5.5	5.9	6.3	5.9	5.6	5.9	5.0	4.3	5.2
75°	8.1	8.3	8.1	8.3	7.9	8.1	7.6	7.8	6.7	5.8	5.9
72.5°	11.4	11.2	11.0	10.8	10.5	10.3	9.9	9.6	8.4	7.2	6.6
70°	15.0	14.4	14.0	14.1	13.7	12.4	12.1	11.6	10.0	8.9	7.2
67.5°	19.9	18.9	18.3	17.9	17.5	16.2	14.7	14.1	12.3	10.8	9.2
65°	26.0	24.8	23.4	22.1	22.3	20.6	18.9	17.4	15.4	13.3	11.6
62.5°	32.3	30.7	29.2	28.0	27.6	25.6	23.8	22.1	18.9	16.4	14.1
60°	39.4	37.7	36.4	35.5	34.1	32.0	30.3	27.0	23.2	19.4	16.7
57.5°	47.5	46.2	45.2	44.0	41.9	39.3	36.8	32.8	27.7	23.6	19.4
55°	56.9	55.5	54.2	52.5	50.6	47.2	43.9	39.0	33.8	28.3	22.3
52.5°	68.4	66.5	64.6	62.7	60.0	56.0	52.0	46.9	40.3	33.1	27.1
50°	83.2	80.1	79.2	75.7	71.4	67.9	63.1	55.9	47.9	40.3	32.4
47.5°	104.3	100.8	98.3	94.1	88.3	82.7	76.7	68.8	59.4	48.1	38.0
45°	130.4	126.3	121.9	116.6	109.4	102.0	94.0	84.0	73.5	58.3	45.7
42.5°	158.8	154.1	148.2	141.4	134.0	124.6	114.9	101.7	93.9	77.0	59.2
40°	199.4	188.3	190.0	187.6	177.3	168.2	158.5	142.7	123.0	99.9	76.4
37.5°	324.9	297.3	283.0	288.8	283.2	258.2	228.6	200.2	164.8	126.7	97.0
35°	540.6	492.0	449.8	426.5	412.1	362.1	315.0	273.6	215.9	166.1	124.0
32.5°	728.2	668.0	618.5	563.5	513.3	457.8	394.4	334.6	270.9	208.9	156.2
30°	886.6	812.2	739.0	669.9	602.2	533.4	465.2	392.4	323.1	251.1	190.4
27.5°	1034.6	944.5	857.7	770.3	696.2	609.9	538.1	453.7	375.6	297.9	225.5
25°	1207.1	1096.9	996.5	903.6	804.4	720.7	622.8	535.5	434.1	350.7	261.3
22.5°	1413.1	1290.4	1176.9	1061.1	955.1	841.1	736.5	622.3	516.6	409.0	315.8
20°	1642.9	1508.2	1378.2	1251.5	1119.7	988.1	854.8	736.6	602.3	494.6	380.7
17.5°	1896.5	1749.5	1599.3	1458.9	1305.0	1154.4	1026.1	859.1	731.9	616.5	450.3
15°	2328.0	2073.0	1903.2	1701.8	1571.7	1431.1	1218.5	1063.7	927.8	748.1	545.1
12.5°	3267.8	2730.9	2352.8	2135.8	1953.0	1757.1	1539.7	1337.3	1131.4	905.6	669.1
10°	4409.5	3535.1	2958.2	2622.8	2407.1	2168.3	1882.3	1596.8	1342.0	1078.5	793.8
7.5°	5176.0	4136.8	3413.9	3095.5	2833.4	2472.3	2106.5	1815.3	1548.4	1250.0	905.5
5°	5507.0	4457.1	3685.6	3329.7	3021.6	2651.8	2300.7	2003.8	1690.4	1336.1	959.0
2.5°	5620.7	4566.4	3802.0	3433.5	3101.5	2742.9	2378.6	2065.8	1745.4	1389.3	1008.1
0°	5579.7	4556.2	3807.1	3414.0	3095.9	2796.0	2440.5	2121.6	1794.4	1436.2	1052.6
-2.5°	5478.3	4488.8	3796.1	3411.0	3099.1	2813.3	2444.4	2113.6	1780.4	1422.5	1038.5
-5°	5311.9	4382.1	3750.9	3382.6	3074.4	2799.7	2433.6	2098.6	1760.0	1402.4	1019.6
-7.5°	5077.8	4197.4	3630.8	3308.5	3013.1	2716.5	2335.9	1999.8	1674.9	1351.6	995.9
-10°	4683.3	3885.7	3395.3	3060.2	2767.8	2514.8	2205.7	1877.6	1539.3	1221.5	915.7
-12.5°	4041.5	3415.7	2959.1	2684.0	2454.9	2204.1	1922.6	1666.3	1388.5	1090.0	821.0
-15°	3281.8	2832.0	2538.3	2272.4	2068.6	1886.5	1642.7	1413.2	1196.1	962.7	724.3
-17.5°	2725.3	2468.7	2217.2	2007.0	1800.1	1583.5	1430.8	1216.9	1011.6	843.7	640.6
-20°	2463.1	2232.4	2019.5	1826.0	1630.9	1454.6	1249.5	1099.9	905.3	729.9	571.0



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2291.5	2056.2	1867.1	1698.3	1549.6	1363.4	1197.0	1005.9	854.9	664.8	506.3
-25°	2157.6	1928.1	1739.2	1607.7	1503.0	1336.1	1152.6	986.6	813.4	640.8	453.9
-27.5°	1998.0	1778.7	1614.5	1513.7	1453.2	1306.5	1119.8	971.2	793.3	614.8	430.1
-30°	1777.2	1592.5	1452.9	1388.1	1383.5	1218.5	1072.6	915.1	751.5	570.3	400.1
-32.5°	1500.6	1353.0	1256.6	1215.0	1178.7	1085.7	949.7	808.0	683.5	498.0	363.5
-35°	1177.5	1070.9	991.1	955.8	937.4	863.3	762.4	663.9	544.0	415.4	312.7
-37.5°	864.7	790.9	729.8	704.1	687.9	632.1	560.5	499.8	417.5	332.3	253.9
-40°	637.2	590.4	554.7	523.5	488.0	453.5	419.7	376.6	317.4	270.0	207.5
-42.5°	504.6	483.0	452.6	426.5	398.9	365.6	326.0	290.0	258.9	218.8	169.4
-45°	471.6	441.6	409.8	379.5	354.0	325.3	288.2	256.7	220.2	179.0	140.3
-47.5°	455.4	419.3	386.4	353.3	322.9	295.9	260.5	227.2	193.5	156.5	123.1
-50°	431.7	394.7	363.1	328.7	291.9	262.7	231.2	199.7	169.7	138.2	109.8
-52.5°	391.8	364.8	336.7	301.0	270.6	234.9	203.3	176.1	149.0	120.0	97.0
-55°	358.2	336.9	317.1	284.1	258.8	217.5	181.9	152.7	129.2	105.2	84.7
-57.5°	311.0	312.3	268.6	256.3	216.3	188.9	158.6	129.9	109.4	89.7	72.3
-60°	225.5	213.9	191.1	184.7	164.9	147.6	128.6	105.7	87.5	73.7	58.8
-62.5°	145.5	137.8	128.3	125.5	111.5	106.1	91.0	80.8	64.0	58.1	45.3
-65°	104.0	94.1	89.8	81.4	76.6	70.5	65.0	56.6	49.6	43.6	36.8
-67.5°	76.7	70.4	65.9	61.3	55.7	51.9	46.8	42.5	38.1	33.1	28.5
-70°	56.2	52.4	48.2	44.9	41.3	37.4	35.2	32.2	28.6	24.8	20.8
-72.5°	39.6	36.9	34.2	31.4	29.4	27.7	25.2	23.4	20.5	17.1	15.7
-75°	25.0	23.7	22.4	21.0	19.5	18.9	17.3	15.4	13.6	12.1	10.7
-77.5°	15.5	14.6	13.1	12.9	12.5	10.9	10.3	10.2	9.0	7.2	6.8
-80°	8.3	7.4	6.1	6.8	6.8	6.4	6.1	6.3	5.1	4.5	4.6
-82.5°	3.8	3.3	2.9	2.6	2.0	3.1	2.8	4.0	3.4	2.9	2.5
-85°	1.2	1.1	0.9	0.8	0.6	0.9	0.6	2.0	1.7	1.5	1.4
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	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°	6.0	5.2	4.7	4.1	2.7	1.4	0.0
70°	6.8	6.0	5.2	4.6	3.1	1.5	0.0
67.5°	7.7	7.1	5.8	5.2	3.4	1.7	0.0
65°	9.3	8.3	6.7	5.8	3.8	1.9	0.0
62.5°	11.6	9.5	7.9	6.3	4.2	2.1	0.0
60°	13.9	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°	19.0	14.8	11.4	8.4	5.5	2.6	0.0
52.5°	21.8	16.7	12.7	9.4	5.9	2.7	0.0
50°	24.7	18.7	14.4	10.5	6.3	2.9	0.0
47.5°	28.2	22.1	16.3	11.7	6.8	3.0	0.0
45°	35.0	26.1	19.0	12.9	7.2	3.2	0.0
42.5°	42.6	30.6	22.0	14.1	7.7	3.3	0.0
40°	53.0	35.8	25.4	15.9	8.2	3.4	0.0
37.5°	67.2	41.4	29.2	18.2	8.6	3.6	0.0
35°	86.7	53.0	34.9	21.7	9.7	3.8	0.0
32.5°	109.1	68.6	41.8	25.9	11.0	4.0	0.0
30°	132.2	84.8	49.1	30.4	12.4	4.2	0.0
27.5°	159.4	101.7	60.6	35.3	14.0	4.4	0.0
25°	189.0	119.0	73.4	40.4	15.6	4.6	0.0
22.5°	219.6	140.7	86.9	45.7	17.3	4.8	0.0
20°	252.9	173.4	100.9	51.2	19.0	5.0	0.0
17.5°	313.4	207.9	115.4	57.6	20.7	5.1	0.0
15°	390.0	245.4	130.2	64.4	22.4	5.3	0.0
12.5°	468.7	285.9	145.9	71.2	24.0	5.4	0.0
10°	548.2	322.7	161.7	77.9	25.6	5.6	0.0
7.5°	601.7	354.7	177.2	84.5	27.1	5.7	0.0
5°	643.8	384.8	192.3	90.8	28.5	5.8	0.0
2.5°	682.7	412.7	206.7	96.8	29.8	5.8	0.0
0°	718.1	438.2	220.3	102.3	30.9	5.9	0.0
-2.5°	705.6	428.0	214.4	100.2	30.8	6.0	0.0
-5°	689.5	415.3	207.5	97.6	30.6	6.0	0.0
-7.5°	669.7	400.1	199.9	94.5	30.2	6.1	0.0
-10°	636.4	382.5	191.6	91.1	29.6	6.1	0.0
-12.5°	571.0	355.3	182.5	87.4	28.9	6.1	0.0
-15°	504.5	318.5	172.2	83.3	28.1	6.1	0.0
-17.5°	437.9	283.9	159.2	79.1	27.2	6.0	0.0
-20°	383.3	251.8	146.3	74.5	26.2	5.9	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	353.3	220.9	133.3	69.2	25.1	5.8	0.0
-25°	325.4	201.0	120.6	63.9	23.8	5.7	0.0
-27.5°	298.0	184.2	108.1	58.6	22.6	5.6	0.0
-30°	270.5	166.2	96.3	53.4	21.2	5.4	0.0
-32.5°	238.2	147.0	87.0	48.2	19.5	5.2	0.0
-35°	202.5	126.6	77.7	43.2	17.7	4.9	0.0
-37.5°	167.6	108.5	69.3	38.8	16.2	4.7	0.0
-40°	141.0	97.0	63.1	35.8	15.5	4.6	0.0
-42.5°	120.6	86.5	57.1	32.9	14.7	4.5	0.0
-45°	104.8	76.9	51.2	30.2	13.9	4.4	0.0
-47.5°	90.3	68.2	45.6	27.5	13.0	4.2	0.0
-50°	81.6	60.6	40.4	24.8	12.1	4.1	0.0
-52.5°	73.4	54.3	35.2	22.1	11.2	3.9	0.0
-55°	64.9	47.8	31.4	19.4	10.2	3.7	0.0
-57.5°	55.5	41.2	27.8	16.6	9.2	3.5	0.0
-60°	46.9	34.4	24.0	15.0	8.2	3.3	0.0
-62.5°	38.5	28.6	20.1	13.4	7.2	3.0	0.0
-65°	30.2	23.6	16.1	11.8	6.1	2.8	0.0
-67.5°	23.5	18.7	12.9	10.2	5.3	2.6	0.0
-70°	18.3	13.7	10.7	8.5	4.7	2.3	0.0
-72.5°	13.2	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)