

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: P902051 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-A35-MB-LO**

Issue Date: 11/13/2024

Test Information

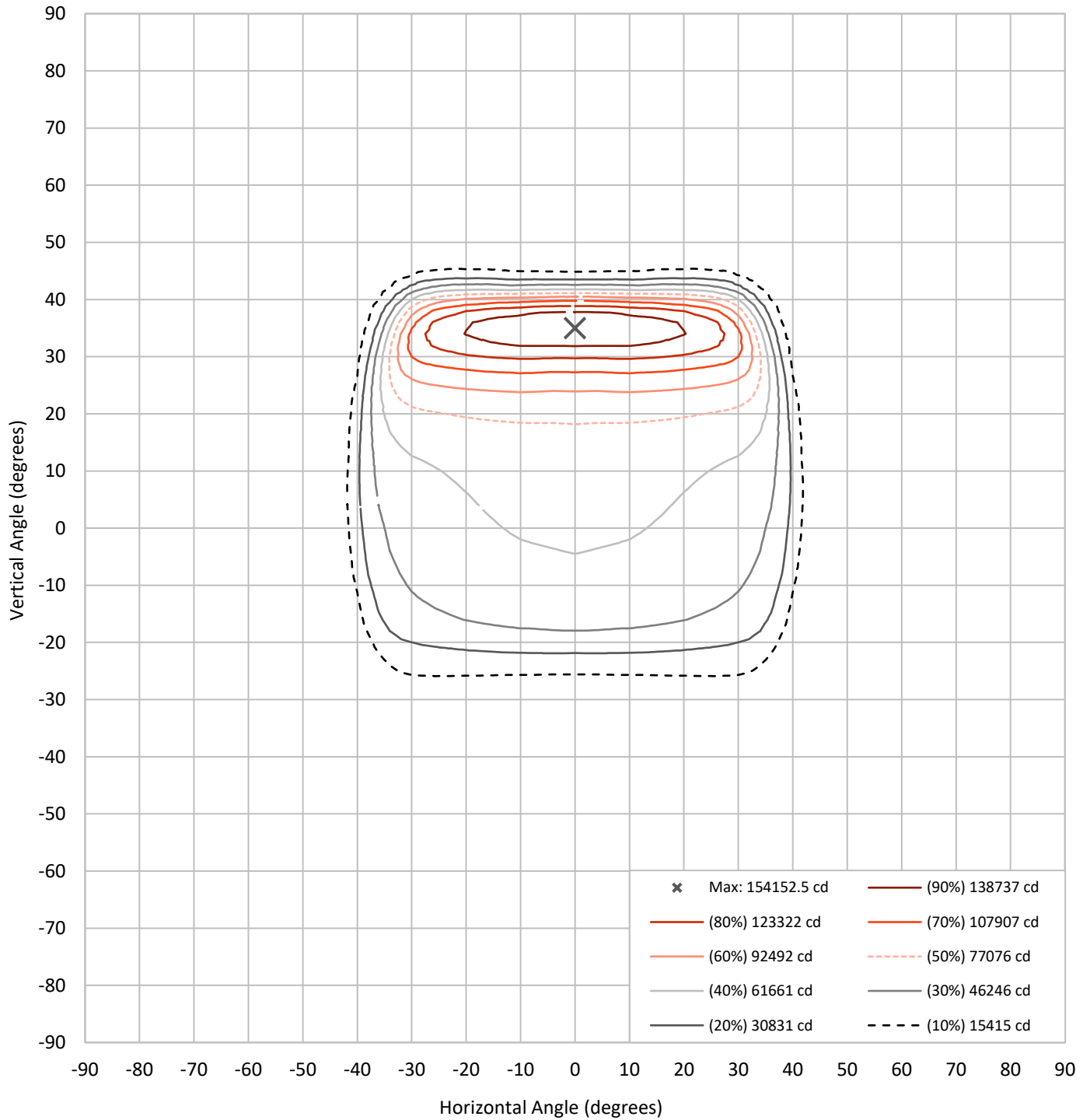
Test Method: LM-79-08
Report Number: P902051 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVM2047200)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A35-MB-LO
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A35-MB-LO OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	107654.2 lumens	Max Intensity:	154152.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 35°V
Efficacy:	76.2 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	65.9°H x 23°V	Field Angle (10%):	76.9°H x 70.1°V
Beam Lumens:	44087 lumens	Field Lumens:	103220.4 lumens
Beam Efficiency:	41.0%	Field Efficiency:	95.9%
Input Watts (W):	1413		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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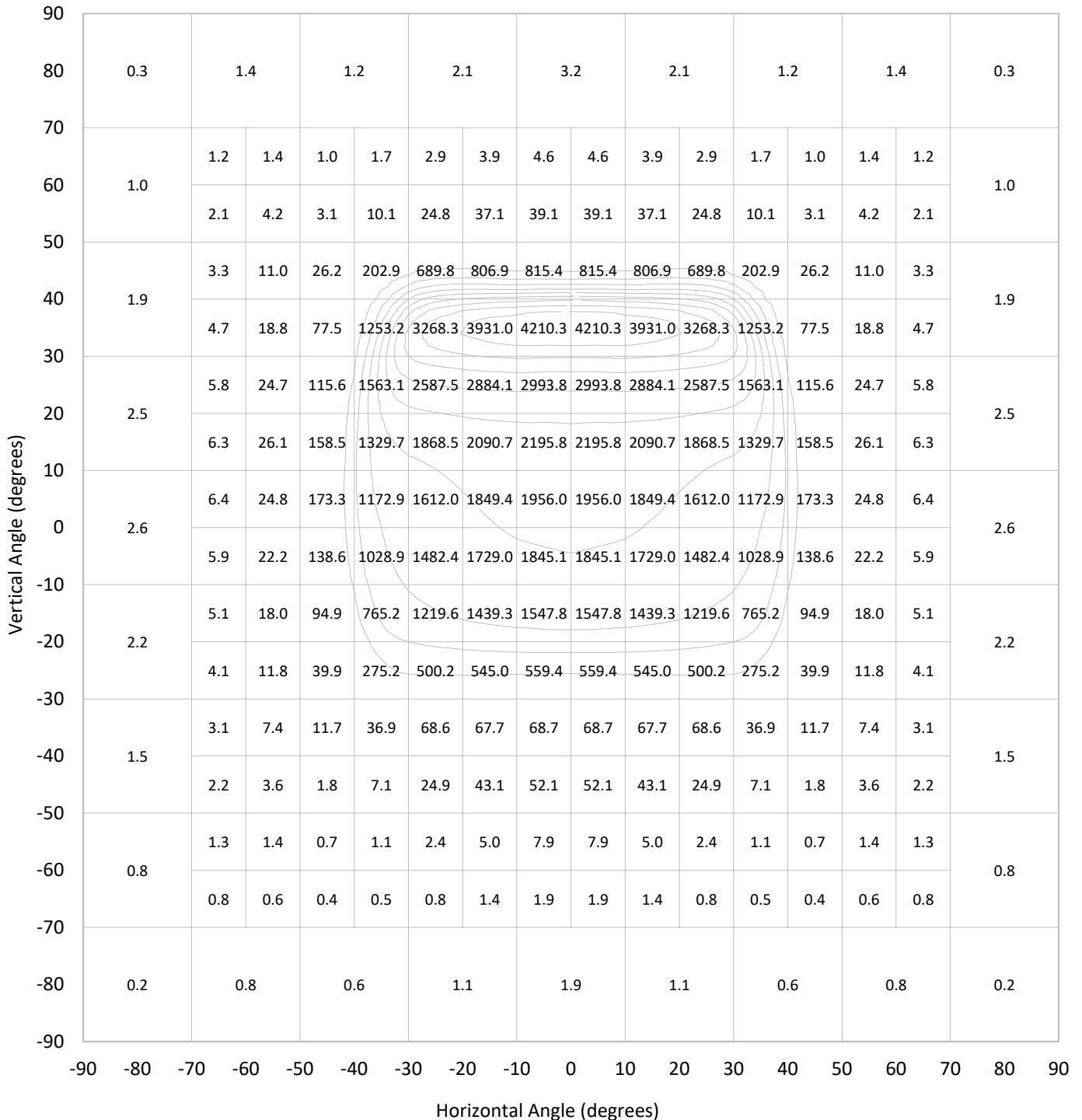
Iso-Candela Plot





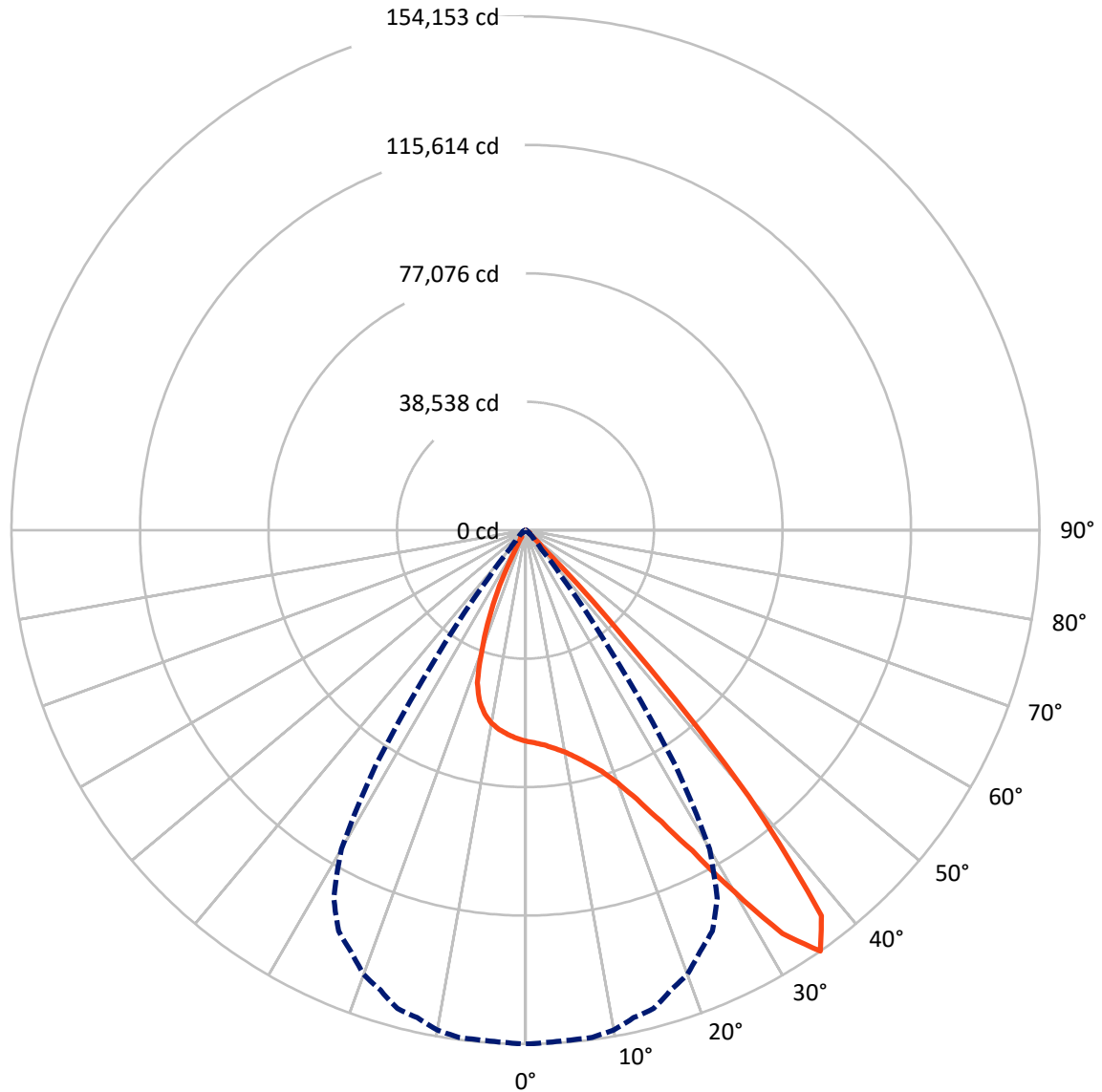
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Lumen Table



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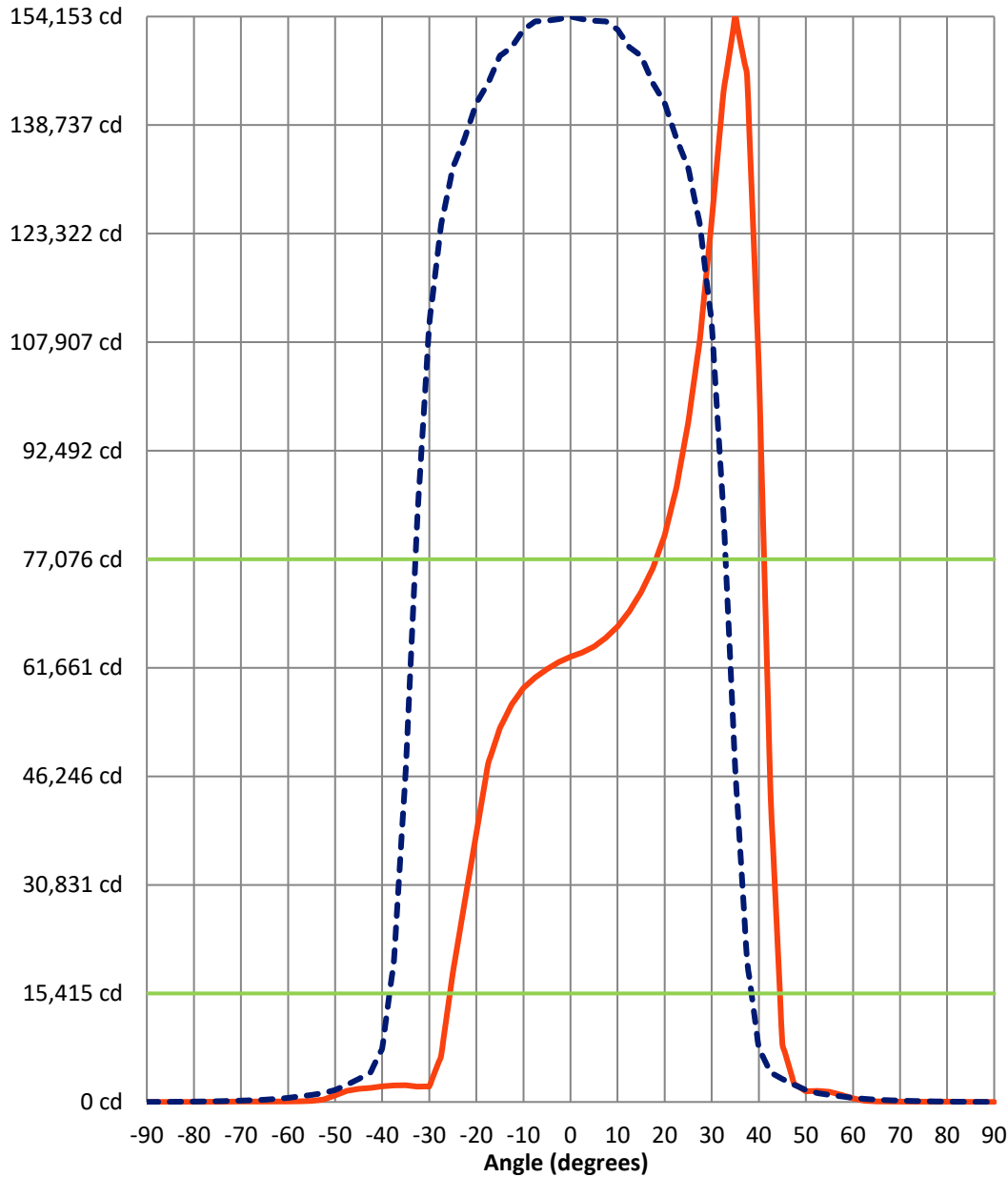
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 35-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 65.9°
 V Angle: 23°
 Lumens: 44087
 Efficiency: 41.0%

Field:
 H Angle: 76.9°
 V Angle: 70.1°
 Lumens: 103220.4
 Efficiency: 95.9%

Spill:
 Lumens: 4433.8
 Efficiency: 4.1%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 35-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.7	1.4	2.1	2.8	3.4	4.7	4.8	5.4	7.0	8.7
85°	0.0	1.4	2.8	4.1	5.5	6.9	9.4	9.6	10.8	13.9	17.0
82.5°	0.0	2.1	4.1	6.2	8.2	10.3	14.0	13.9	15.2	19.1	23.6
80°	0.0	2.7	5.5	8.2	11.0	13.4	17.1	17.4	19.1	24.0	30.5
77.5°	0.0	3.4	6.9	10.3	13.4	15.8	19.9	20.9	23.8	30.9	39.5
75°	0.0	4.1	8.2	12.3	15.3	18.2	22.6	26.0	30.6	38.3	49.0
72.5°	0.0	4.7	9.5	13.8	17.2	20.6	27.0	32.1	37.4	47.7	60.5
70°	0.0	5.4	10.8	15.2	19.1	23.7	31.9	38.2	46.4	58.1	71.9
67.5°	0.0	6.0	12.1	16.6	20.9	27.7	36.7	45.5	55.4	68.0	83.1
65°	0.0	6.6	13.2	18.0	23.3	31.5	41.9	52.9	64.0	77.3	95.1
62.5°	0.0	7.2	14.1	19.3	26.2	35.2	47.5	59.9	72.2	87.1	109.7
60°	0.0	7.8	15.0	20.6	29.0	39.2	53.0	67.2	80.2	101.3	124.7
57.5°	0.0	8.3	15.8	22.0	31.7	43.6	58.3	74.2	92.1	115.4	139.9
55°	0.0	8.9	16.6	23.9	34.3	47.9	64.0	80.8	104.6	129.2	154.9
52.5°	0.0	9.4	17.4	25.9	37.1	52.1	69.3	90.5	116.8	142.5	176.4
50°	0.0	9.9	18.2	27.7	40.5	56.4	74.3	100.1	128.6	157.1	197.4
47.5°	0.0	10.3	19.0	29.5	43.8	60.4	79.3	109.1	140.0	174.7	220.7
45°	0.0	10.8	19.7	31.3	46.9	64.1	86.5	117.8	150.2	190.7	243.8
42.5°	0.0	11.2	20.4	32.9	50.0	67.6	93.2	126.0	162.3	207.3	264.9
40°	0.0	11.5	21.0	34.5	52.8	70.8	99.6	133.6	173.6	224.1	283.5
37.5°	0.0	11.9	21.6	36.0	55.6	73.7	105.2	140.6	183.9	239.1	300.1
35°	0.0	12.2	22.5	37.8	58.0	77.7	110.2	148.0	194.7	252.4	321.1
32.5°	0.0	12.4	23.4	39.6	60.2	81.9	114.5	154.9	205.6	263.5	348.6
30°	0.0	12.6	24.2	41.3	62.3	85.6	118.0	160.3	215.0	273.7	372.6
27.5°	0.0	12.8	25.0	42.9	64.2	88.9	121.2	164.7	221.7	283.0	393.5
25°	0.0	13.0	25.7	44.3	66.0	91.7	123.9	168.0	226.2	297.3	411.9
22.5°	0.0	13.2	26.3	45.7	67.6	94.1	125.9	171.3	229.5	309.4	426.9
20°	0.0	13.3	26.9	46.9	69.1	96.3	127.6	174.2	231.7	319.4	438.1
17.5°	0.0	13.4	27.4	47.7	70.3	98.2	130.0	176.2	232.9	327.1	446.5
15°	0.0	13.5	27.9	48.3	71.5	99.7	132.2	178.0	232.8	332.4	452.8
12.5°	0.0	13.6	28.2	48.8	72.0	100.9	133.8	180.3	233.6	335.1	458.0
10°	0.0	13.7	28.5	49.1	72.1	101.5	134.8	181.8	235.0	339.2	461.1
7.5°	0.0	13.7	28.8	49.2	72.1	101.7	135.6	182.8	235.4	341.5	464.0
5°	0.0	13.7	29.0	49.2	71.9	101.6	136.1	184.0	236.3	342.3	463.4
2.5°	0.0	13.7	29.1	49.0	71.5	101.3	136.1	184.5	236.9	341.7	459.0
0°	0.0	13.6	29.1	48.7	71.0	100.6	135.6	184.3	236.6	339.1	451.5
-2.5°	0.0	13.6	29.0	48.4	69.9	99.6	134.1	182.2	234.2	334.9	444.7
-5°	0.0	13.6	28.8	48.0	68.7	98.4	132.2	179.4	231.0	329.0	435.5
-7.5°	0.0	13.5	28.6	47.5	67.4	96.9	129.8	175.9	227.0	321.4	423.9
-10°	0.0	13.4	28.3	46.8	65.9	95.1	127.2	172.5	222.2	312.1	410.5
-12.5°	0.0	13.3	27.9	46.1	64.4	92.9	124.7	168.8	216.8	301.3	395.7
-15°	0.0	13.2	27.5	45.2	62.7	90.1	121.7	164.6	211.2	289.8	379.5
-17.5°	0.0	13.0	27.0	44.2	60.6	87.0	118.2	159.8	205.5	277.0	363.3
-20°	0.0	12.8	26.5	43.1	58.5	83.5	114.0	154.5	199.1	263.6	346.9



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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MB-LO

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	12.6	25.9	41.7	56.3	79.6	110.0	148.5	192.2	249.4	329.4
-25°	0.0	12.3	25.3	40.2	54.1	75.9	105.9	142.4	185.0	234.3	310.4
-27.5°	0.0	12.1	24.6	38.7	51.8	72.2	101.4	136.4	177.3	220.2	290.7
-30°	0.0	11.8	23.9	37.3	49.6	68.2	96.7	129.9	169.1	210.1	269.8
-32.5°	0.0	11.5	23.2	35.7	48.1	64.0	92.0	123.0	160.2	199.6	247.8
-35°	0.0	11.2	22.4	34.2	46.6	59.5	87.0	115.7	150.8	187.1	225.0
-37.5°	0.0	10.8	21.6	32.8	45.0	55.8	81.6	109.0	141.4	174.0	207.5
-40°	0.0	10.4	20.9	31.5	43.2	53.8	76.0	102.8	131.1	160.4	192.9
-42.5°	0.0	10.0	20.1	30.2	41.4	51.6	70.3	96.3	120.6	146.7	177.7
-45°	0.0	9.6	19.3	28.9	39.5	49.3	64.4	89.3	110.0	133.6	162.5
-47.5°	0.0	9.2	18.4	27.6	37.5	46.7	58.2	81.4	101.0	121.5	146.7
-50°	0.0	8.8	17.5	26.3	35.3	43.9	54.9	73.4	92.1	109.2	131.3
-52.5°	0.0	8.3	16.6	24.9	32.9	41.0	51.9	65.4	83.1	98.8	117.5
-55°	0.0	7.8	15.6	23.4	30.7	38.4	48.8	57.7	74.2	89.1	103.5
-57.5°	0.0	7.3	14.6	21.9	28.5	35.7	45.3	53.1	65.3	79.1	92.8
-60°	0.0	6.8	13.6	20.4	26.3	32.9	41.5	48.4	57.1	69.6	82.3
-62.5°	0.0	6.3	12.6	18.8	24.1	30.2	37.6	43.6	51.6	60.1	71.9
-65°	0.0	5.8	11.5	17.2	21.8	27.4	33.7	39.2	46.0	53.2	61.0
-67.5°	0.0	5.2	10.4	15.6	19.6	24.5	29.7	34.8	40.6	46.8	52.6
-70°	0.0	4.7	9.3	13.9	17.6	21.5	25.7	30.3	35.5	40.4	45.1
-72.5°	0.0	4.1	8.2	12.3	15.6	18.8	21.6	25.7	30.3	34.0	37.9
-75°	0.0	3.5	7.0	10.6	13.6	16.4	17.8	21.1	25.0	27.8	31.0
-77.5°	0.0	2.9	5.9	8.8	11.6	14.0	14.9	17.0	19.8	22.4	25.0
-80°	0.0	2.4	4.7	7.1	9.4	11.6	11.9	13.6	15.5	17.3	19.3
-82.5°	0.0	1.8	3.6	5.3	7.1	8.8	8.9	10.2	11.6	13.0	14.4
-85°	0.0	1.2	2.4	3.6	4.7	5.9	5.9	6.8	7.8	8.7	9.6
-87.5°	0.0	0.6	1.2	1.8	2.4	2.9	2.9	3.4	3.9	4.4	4.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902051 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MB-LO

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°	8.4	5.7	4.9	2.6	2.7	2.9	3.0	3.2	3.3	3.4	3.6
85°	16.3	11.6	9.3	4.6	4.6	4.8	4.9	5.1	5.2	5.3	5.5
82.5°	22.8	17.6	13.3	7.0	6.1	6.9	6.5	6.7	6.9	7.1	7.2
80°	31.0	25.8	19.1	11.6	8.1	9.6	8.9	9.2	9.7	10.3	10.8
77.5°	40.9	35.4	27.3	17.4	12.5	12.7	12.1	12.4	13.1	13.8	14.4
75°	53.3	47.7	37.9	24.5	16.4	15.6	15.5	16.1	17.3	18.5	20.6
72.5°	66.7	61.1	48.7	32.6	21.5	19.5	20.2	20.8	22.2	23.6	25.8
70°	80.9	75.5	62.8	46.7	29.4	23.7	25.0	25.5	27.9	30.9	34.0
67.5°	96.3	94.9	81.0	62.6	40.0	28.6	32.4	33.1	35.4	39.4	42.6
65°	115.6	116.4	100.7	80.0	56.5	39.3	42.0	43.9	46.6	48.1	50.9
62.5°	133.4	137.8	125.7	107.4	81.0	57.2	52.2	55.4	57.2	61.9	68.2
60°	148.7	162.5	160.0	142.9	114.4	80.2	63.0	70.8	77.6	82.5	87.7
57.5°	167.3	192.9	204.4	187.7	154.1	111.5	81.6	91.1	99.2	103.9	111.3
55°	190.8	229.7	257.3	238.3	213.5	179.6	124.0	111.6	122.8	130.6	142.8
52.5°	216.3	266.5	301.3	312.8	311.6	267.3	194.3	139.4	153.4	165.8	327.9
50°	246.3	298.7	351.5	429.3	426.6	382.8	305.9	180.8	245.9	468.7	822.1
47.5°	274.7	329.6	433.1	548.7	565.9	545.7	461.8	376.4	575.0	1162.8	1669.9
45°	301.6	384.0	504.2	631.3	753.7	759.1	735.2	648.1	1389.3	2191.9	2854.2
42.5°	325.5	442.7	569.5	749.6	951.2	1008.9	1095.5	1448.0	2334.2	3384.7	4706.0
40°	368.2	496.3	640.7	857.7	1053.5	1269.4	1619.0	2243.2	3258.0	4467.5	8394.3
37.5°	407.8	540.9	726.3	934.8	1162.0	1507.3	2043.2	2885.2	3876.3	5860.9	13898.1
35°	442.0	581.7	797.4	1002.2	1257.6	1707.4	2443.9	3265.4	4191.2	7641.2	20145.1
32.5°	470.9	632.3	843.0	1071.1	1411.4	1984.3	2743.1	3396.0	4298.5	8970.3	26038.0
30°	495.4	674.1	880.5	1120.1	1531.3	2235.3	2968.1	3281.9	4121.5	11469.2	34197.0
27.5°	520.7	705.9	913.5	1187.9	1686.4	2392.4	2923.9	3071.5	4445.9	14765.0	39952.3
25°	549.8	736.0	935.3	1244.4	1804.8	2501.2	2852.6	2900.2	4112.9	16934.7	44886.2
22.5°	574.0	760.4	951.2	1274.2	1882.4	2502.4	2747.7	2967.6	6252.6	21253.7	46099.4
20°	591.8	781.3	969.8	1339.1	1934.2	2456.3	2645.2	2916.6	6800.5	23072.5	46818.7
17.5°	605.8	788.7	985.1	1371.0	1961.5	2423.9	2570.3	3124.1	8391.9	25211.7	46204.9
15°	617.1	788.5	984.0	1374.8	1966.5	2360.3	2525.3	3136.2	8560.3	27118.7	46087.3
12.5°	624.9	783.1	969.4	1361.5	1930.1	2297.5	2485.8	3069.0	8079.8	28004.0	45058.8
10°	629.0	776.5	950.7	1353.9	1898.6	2254.2	2456.1	3209.1	10190.8	28243.8	44651.2
7.5°	632.6	766.1	938.4	1338.8	1879.0	2224.8	2441.3	3395.6	11136.5	28284.3	44223.5
5°	632.2	752.5	922.7	1319.6	1860.8	2202.8	2439.0	3256.0	11061.0	27848.9	43043.5
2.5°	621.0	733.7	900.6	1288.8	1834.5	2178.5	2417.5	2985.6	10301.1	26949.8	41584.1
0°	604.8	711.7	872.8	1246.0	1787.1	2142.5	2387.3	2997.1	9521.1	25542.5	39876.0
-2.5°	589.7	692.7	843.6	1195.1	1721.9	2101.2	2358.7	2945.0	8636.4	23867.2	38296.3
-5°	571.5	673.0	809.9	1134.9	1652.5	2078.6	2379.0	2924.0	7598.7	21863.5	36730.6
-7.5°	551.5	654.6	773.1	1066.7	1580.1	2085.1	2471.1	3024.9	6603.3	19465.3	34646.4
-10°	529.5	634.8	737.9	993.2	1499.3	2097.0	2620.4	3268.9	5821.5	16812.3	31479.1
-12.5°	507.4	613.7	711.4	910.7	1392.8	2073.0	2742.5	3522.3	4886.8	13915.9	28070.3
-15°	483.5	591.6	685.0	852.5	1243.9	1968.3	2749.4	3579.9	4869.6	11230.0	24356.0
-17.5°	458.2	566.8	654.9	793.9	1119.4	1759.2	2584.5	3286.1	4369.3	8852.5	19450.0
-20°	434.1	536.0	621.3	730.4	982.7	1488.1	2201.1	2755.5	3335.8	5634.7	13823.8



REPORT NUMBER: P902051 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MB-LO

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	409.7	500.6	587.4	664.4	835.6	1184.1	1718.3	2201.3	2571.1	4091.4	9347.1
-25°	384.8	466.2	550.6	621.6	733.0	938.0	1311.2	1720.4	1972.8	2515.4	4749.5
-27.5°	358.9	431.4	510.6	581.0	654.2	784.9	1018.8	1347.2	1631.3	2007.1	2960.9
-30°	333.9	399.4	470.5	542.1	590.9	655.0	782.5	1028.4	1310.3	1558.4	1941.3
-32.5°	309.4	369.6	431.6	495.6	553.2	541.3	588.7	687.8	925.9	1243.0	1466.9
-35°	284.5	340.2	394.7	445.2	466.0	422.2	402.4	332.2	570.1	880.3	1157.7
-37.5°	258.9	312.3	359.9	388.1	371.2	327.6	261.0	169.0	272.2	532.2	813.1
-40°	233.9	283.8	326.6	323.1	291.7	241.9	171.6	96.2	146.3	239.9	467.3
-42.5°	209.8	255.2	281.2	268.1	229.2	172.4	94.7	72.9	94.0	134.7	203.4
-45°	192.8	227.3	237.6	217.4	177.0	119.5	56.9	53.0	70.0	87.9	113.3
-47.5°	174.8	195.9	198.7	173.2	133.3	77.8	46.8	46.4	53.0	63.9	77.5
-50°	156.4	169.2	160.3	135.9	97.8	49.9	35.7	40.2	45.0	50.5	58.2
-52.5°	137.4	144.8	130.5	104.9	69.7	39.1	31.7	34.3	38.1	42.4	45.7
-55°	118.2	121.1	106.1	81.3	47.7	28.5	27.7	29.4	33.2	36.6	38.0
-57.5°	101.5	99.8	85.6	62.9	35.3	20.6	23.4	24.7	29.1	31.6	32.5
-60°	88.3	83.0	68.4	47.8	27.8	18.9	19.8	21.5	24.5	26.3	27.4
-62.5°	77.7	69.7	54.5	36.3	21.3	17.5	18.4	19.2	19.9	21.6	22.8
-65°	66.3	58.5	43.3	28.2	16.4	16.2	16.9	17.6	18.3	19.0	19.6
-67.5°	54.9	47.8	34.5	22.0	14.1	14.6	14.5	15.8	16.7	17.3	17.9
-70°	45.8	38.3	26.8	17.3	12.7	12.8	12.1	12.7	13.8	15.1	16.2
-72.5°	37.7	30.7	20.3	13.5	11.4	11.1	10.6	11.1	11.6	13.0	14.4
-75°	31.1	23.9	14.8	9.8	9.2	9.0	9.2	9.6	10.0	11.5	12.6
-77.5°	25.0	18.0	9.7	7.0	6.9	6.0	6.2	6.9	7.6	9.6	10.7
-80°	19.5	13.2	6.1	5.2	5.6	4.3	4.3	4.6	4.9	6.4	7.1
-82.5°	14.1	9.0	4.1	3.9	4.1	2.7	2.8	3.0	3.2	3.4	3.5
-85°	8.8	5.1	2.5	2.6	2.7	1.2	1.2	1.4	1.5	1.6	1.8
-87.5°	4.2	2.3	1.2	1.3	1.4	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°	3.6	3.7	3.8	3.8	3.9	3.9	3.9	4.0	4.0	4.0	4.0
85°	5.6	5.7	5.8	5.9	6.0	6.1	6.1	6.2	6.2	6.3	6.3
82.5°	7.5	8.1	8.2	8.5	8.7	9.7	9.2	9.4	9.5	9.7	11.0
80°	11.2	13.2	12.4	12.5	12.9	14.8	13.7	13.7	14.0	14.2	17.6
77.5°	15.4	17.8	17.9	18.4	19.3	21.6	19.9	19.8	20.2	20.5	22.5
75°	22.5	24.7	26.2	27.6	28.9	29.1	26.8	26.6	27.2	27.8	29.3
72.5°	28.6	32.3	36.5	39.0	39.9	39.5	37.8	36.4	36.8	37.7	38.4
70°	38.7	45.7	51.9	54.2	52.5	50.3	48.8	47.4	47.8	48.8	49.6
67.5°	49.8	61.5	70.3	71.7	69.0	66.7	65.0	62.9	63.3	64.0	63.4
65°	60.6	80.7	97.9	101.7	98.8	93.8	88.1	82.5	81.4	80.6	79.9
62.5°	80.0	103.6	125.0	132.4	132.3	126.9	120.5	120.7	138.2	153.6	164.4
60°	98.2	122.3	148.3	166.8	188.9	218.1	260.6	368.2	454.1	514.8	543.1
57.5°	122.8	144.7	173.4	274.8	403.2	555.2	756.5	940.4	1073.6	1148.9	1155.8
55°	161.5	330.0	472.5	666.9	850.9	1066.7	1239.5	1380.6	1495.3	1566.4	1542.1
52.5°	518.6	857.6	1122.3	1244.4	1300.1	1352.7	1409.3	1448.0	1488.5	1542.6	1564.4
50°	1239.1	1593.9	1769.7	1848.7	1813.6	1834.2	1810.5	1709.7	1693.0	1665.8	1617.1
47.5°	2092.0	2646.4	2822.2	3496.5	3548.9	4020.2	3736.1	3373.9	3331.9	2981.0	2663.1
45°	3903.7	6449.8	8457.6	12339.2	12627.9	14747.9	13549.1	13598.1	13230.9	11068.4	9888.6
42.5°	9443.7	17935.2	28941.8	38876.4	42617.5	45909.1	45733.8	46301.5	45534.2	41685.9	42768.5
40°	20020.5	38896.7	61841.7	77118.5	86197.7	90344.0	94413.8	95743.7	98675.0	99684.1	100371.6
37.5°	33239.1	63362.3	91898.7	109256.7	121030.2	124874.5	130527.1	133422.1	138715.4	139027.8	141283.5
35°	47177.3	83445.5	110468.7	124519.8	132647.8	136835.0	141861.2	144707.9	148557.9	149810.9	152288.4
32.5°	59459.5	94412.9	114270.0	123271.9	128614.2	132045.7	135523.9	138031.5	140127.0	141430.0	142918.0
30°	67257.3	95175.5	108105.5	114121.6	116990.1	119288.0	121481.1	122975.2	124352.7	125095.0	125859.7
27.5°	70214.0	90522.1	98129.1	101826.8	103573.9	105118.8	106276.9	107441.7	108415.6	108539.4	109336.9
25°	70466.7	83356.2	88531.5	91191.6	92498.0	93655.7	94718.1	95576.4	96271.9	96627.9	97028.9
22.5°	66830.9	76391.0	80432.3	82457.2	83588.7	84654.1	85469.6	86223.8	86764.2	87107.5	87504.3
20°	64177.8	70547.4	73896.5	75515.7	76562.4	77580.4	78392.3	79030.0	79626.1	79971.9	80310.7
17.5°	60135.7	65713.3	68735.2	70046.6	71181.2	72346.6	73178.9	73842.9	74374.7	74785.6	75116.6
15°	57687.1	61926.9	64637.5	65900.2	67076.3	68306.2	69216.0	69898.1	70428.8	70949.9	71404.8
12.5°	54903.7	58895.8	61407.1	62570.4	63818.9	65145.5	66165.7	66917.9	67499.2	68035.4	68599.2
10°	53031.5	56464.2	58881.2	60109.1	61396.6	62795.4	63900.7	64709.4	65340.4	66008.4	66487.1
7.5°	51376.5	54504.9	56877.6	58178.3	59632.5	61062.2	62275.7	63201.1	63947.0	64565.4	64990.0
5°	49762.9	52915.8	55352.7	56674.8	58248.9	59792.4	61056.8	62128.5	62952.0	63520.5	63917.0
2.5°	48388.5	51585.1	54140.9	55524.3	57114.2	58764.5	60134.8	61231.6	62068.5	62726.1	63164.3
0°	46994.8	50316.9	52978.1	54403.9	56004.5	57704.6	59158.1	60273.0	61139.8	61880.6	62431.2
-2.5°	45708.0	49081.5	51811.3	53333.4	54964.8	56665.3	58082.6	59218.2	60129.5	60903.7	61464.7
-5°	44412.4	47779.5	50580.0	52270.6	53886.2	55543.5	56950.8	58126.0	59069.2	59869.2	60480.9
-7.5°	42841.9	46250.6	49142.2	51015.1	52650.0	54321.2	55749.0	56912.0	57908.1	58755.8	59400.3
-10°	40604.3	44285.9	47289.4	49297.6	50862.9	52532.0	54033.5	55209.1	56228.9	57071.9	57756.7
-12.5°	37823.8	41837.3	44863.6	47035.2	48499.5	50163.5	51606.0	52804.7	53757.0	54621.2	55332.4
-15°	35302.0	39000.5	41656.2	43845.5	45469.4	47077.2	48418.7	49543.6	50461.0	51239.3	51918.3
-17.5°	30302.6	35025.6	37503.5	39546.8	41031.2	42402.9	43721.5	44708.0	45556.4	46323.4	46973.0
-20°	23797.9	28994.0	30791.2	32358.1	33295.9	34271.2	35204.1	36111.8	36744.8	37188.9	37741.9



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	17327.6	22578.4	24300.5	25356.4	25977.4	26439.4	27006.7	27321.0	27751.0	28142.4	28153.8
-25°	10634.6	16209.4	17813.2	18423.4	18665.0	18694.0	18761.0	18951.7	18717.8	18738.1	18563.4
-27.5°	4929.2	7772.9	9433.5	9794.0	9678.4	9382.5	8727.5	8180.8	8144.6	7298.0	7558.7
-30°	2308.4	3341.6	4155.9	4386.1	4268.3	3988.4	3588.7	3052.2	2984.7	2579.0	2632.7
-32.5°	1716.4	1980.7	2438.3	2807.9	2973.2	2811.2	2550.3	2314.4	2199.3	2152.8	2147.8
-35°	1379.4	1605.1	1895.5	2210.2	2443.3	2473.3	2357.1	2251.3	2231.0	2236.6	2273.7
-37.5°	1092.5	1327.6	1551.5	1807.4	2042.3	2162.0	2193.9	2180.4	2209.5	2242.8	2254.8
-40°	729.4	1014.8	1254.1	1486.4	1675.1	1843.5	1960.1	2015.3	2055.6	2101.9	2127.7
-42.5°	376.1	585.3	877.7	1135.8	1372.2	1541.9	1692.6	1792.0	1857.5	1914.2	1965.2
-45°	161.4	258.2	404.4	655.8	929.4	1148.5	1359.5	1513.4	1604.6	1699.2	1786.6
-47.5°	97.1	125.9	148.6	268.7	395.5	597.9	812.9	997.2	1138.8	1278.7	1409.2
-50°	63.5	79.3	102.8	129.9	154.4	223.3	315.0	387.0	504.1	634.5	750.1
-52.5°	48.7	55.3	62.9	84.0	102.9	120.5	135.8	146.8	165.2	228.8	282.7
-55°	40.2	45.9	51.7	62.1	71.2	76.5	86.7	96.1	113.7	131.9	141.9
-57.5°	34.9	38.4	44.0	52.1	59.0	63.1	65.6	73.5	88.8	96.2	96.2
-60°	29.6	32.5	37.1	42.7	46.8	50.5	52.9	62.7	76.0	82.1	83.9
-62.5°	24.3	27.5	29.7	33.3	36.2	40.3	42.7	49.4	59.2	65.4	69.5
-65°	20.5	22.4	24.0	27.3	28.9	31.8	33.8	39.2	45.7	50.4	54.8
-67.5°	18.4	18.9	19.8	21.7	22.7	24.8	27.7	31.5	35.4	39.1	43.2
-70°	16.6	17.1	18.2	19.7	20.8	22.0	23.5	25.2	28.3	30.0	32.9
-72.5°	14.8	15.2	16.1	17.5	19.1	20.1	21.5	22.4	24.6	25.6	26.8
-75°	12.9	13.3	13.6	15.1	17.0	17.8	18.3	18.7	20.5	21.2	21.4
-77.5°	11.1	11.4	11.6	12.6	13.3	12.2	12.2	12.5	14.5	15.1	16.8
-80°	7.6	8.1	8.5	8.8	9.2	7.9	8.0	8.3	8.5	10.3	12.2
-82.5°	3.9	4.2	4.5	4.8	4.1	3.6	3.7	3.9	4.1	5.4	5.6
-85°	1.9	2.0	2.1	2.2	0.5	0.6	0.6	0.7	0.7	0.8	0.8
-87.5°	0.0	0.1	0.1	0.2	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):

	-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	4.0
85°	7.2	9.0	10.0	10.1	10.0	9.0	7.2	6.3	6.3	6.2	6.2
82.5°	13.0	20.7	25.4	26.8	25.4	20.7	13.0	11.0	9.7	9.5	9.4
80°	21.3	34.0	43.5	47.3	43.5	34.0	21.3	17.6	14.2	14.0	13.7
77.5°	28.0	36.4	43.1	45.1	43.1	36.4	28.0	22.5	20.5	20.2	19.8
75°	34.6	39.6	42.7	44.6	42.7	39.6	34.6	29.3	27.8	27.2	26.6
72.5°	41.5	45.4	47.6	48.2	47.6	45.4	41.5	38.4	37.7	36.8	36.4
70°	50.3	52.3	52.8	52.8	52.8	52.3	50.3	49.6	48.8	47.8	47.4
67.5°	63.6	65.3	65.9	66.9	65.9	65.3	63.6	63.4	64.0	63.3	62.9
65°	79.0	79.4	79.9	82.9	79.9	79.4	79.0	79.9	80.6	81.4	82.5
62.5°	169.5	171.9	173.5	175.2	173.5	171.9	169.5	164.4	153.6	138.2	120.7
60°	543.7	531.5	519.0	517.0	519.0	531.5	543.7	543.1	514.8	454.1	368.2
57.5°	1103.9	1057.7	1027.1	1018.5	1027.1	1057.7	1103.9	1155.8	1148.9	1073.6	940.4
55°	1502.0	1470.5	1447.7	1442.6	1447.7	1470.5	1502.0	1542.1	1566.4	1495.3	1380.6
52.5°	1566.5	1567.2	1569.9	1574.6	1569.9	1567.2	1566.5	1564.4	1542.6	1488.5	1448.0
50°	1563.9	1538.0	1526.2	1525.4	1526.2	1538.0	1563.9	1617.1	1665.8	1693.0	1709.7
47.5°	2491.0	2582.4	2587.9	2580.3	2587.9	2582.4	2491.0	2663.1	2981.0	3331.9	3373.9
45°	9797.6	9118.0	8546.7	8282.4	8546.7	9118.0	9797.6	9888.6	11068.4	13230.9	13598.1
42.5°	43731.0	43960.2	43944.4	43569.0	43944.4	43960.2	43731.0	42768.5	41685.9	45534.2	46301.5
40°	101777.1	103131.5	104197.9	104394.5	104197.9	103131.5	101777.1	100371.6	99684.1	98675.0	95743.7
37.5°	144834.3	145751.8	145664.7	145792.7	145664.7	145751.8	144834.3	141283.5	139027.8	138715.4	133422.1
35°	153454.0	153559.3	153789.2	154152.5	153789.2	153559.3	153454.0	152288.4	149810.9	148557.9	144707.9
32.5°	143067.6	143022.2	143081.9	143440.0	143081.9	143022.2	143067.6	142918.0	141430.0	140127.0	138031.5
30°	125836.2	125178.8	125008.3	125237.0	125008.3	125178.8	125836.2	125859.7	125095.0	124352.7	122975.2
27.5°	109189.0	108171.7	108133.4	108385.5	108133.4	108171.7	109189.0	109336.9	108539.4	108415.6	107441.7
25°	96754.2	96210.3	96143.0	96494.4	96143.0	96210.3	96754.2	97028.9	96627.9	96271.9	95576.4
22.5°	87419.1	87019.3	87034.1	87251.8	87034.1	87019.3	87419.1	87504.3	87107.5	86764.2	86223.8
20°	80412.9	80191.9	80313.9	80493.9	80313.9	80191.9	80412.9	80310.7	79971.9	79626.1	79030.0
17.5°	75371.9	75229.0	75438.2	75833.9	75438.2	75229.0	75371.9	75116.6	74785.6	74374.7	73842.9
15°	71640.2	71582.4	71897.0	72419.0	71897.0	71582.4	71640.2	71404.8	70949.9	70428.8	69898.1
12.5°	68837.8	68882.6	69238.6	69699.0	69238.6	68882.6	68837.8	68599.2	68035.4	67499.2	66917.9
10°	66756.5	66847.5	67186.6	67529.2	67186.6	66847.5	66756.5	66487.1	66008.4	65340.4	64709.4
7.5°	65214.2	65363.2	65628.0	65926.2	65628.0	65363.2	65214.2	64990.0	64565.4	63947.0	63201.1
5°	64148.5	64295.3	64499.2	64673.3	64499.2	64295.3	64148.5	63917.0	63520.5	62952.0	62128.5
2.5°	63378.0	63531.0	63725.3	63841.2	63725.3	63531.0	63378.0	63164.3	62726.1	62068.5	61231.6
0°	62649.9	62798.3	63023.8	63228.3	63023.8	62798.3	62649.9	62431.2	61880.6	61139.8	60273.0
-2.5°	61762.3	61980.1	62239.5	62471.7	62239.5	61980.1	61762.3	61464.7	60903.7	60129.5	59218.2
-5°	60816.5	61028.2	61252.4	61467.6	61252.4	61028.2	60816.5	60480.9	59869.2	59069.2	58126.0
-7.5°	59724.6	59885.1	60215.0	60289.4	60215.0	59885.1	59724.6	59400.3	58755.8	57908.1	56912.0
-10°	58106.5	58342.5	58680.3	58798.1	58680.3	58342.5	58106.5	57756.7	57071.9	56228.9	55209.1
-12.5°	55659.8	55981.8	56297.8	56446.8	56297.8	55981.8	55659.8	55332.4	54621.2	53757.0	52804.7
-15°	52240.3	52615.7	52881.2	53083.1	52881.2	52615.7	52240.3	51918.3	51239.3	50461.0	49543.6
-17.5°	47024.3	47691.9	47965.5	48042.3	47965.5	47691.9	47024.3	46973.0	46323.4	45556.4	44708.0
-20°	37851.5	38177.5	38303.2	38171.8	38303.2	38177.5	37851.5	37741.9	37188.9	36744.8	36111.8



REPORT NUMBER: P902051 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MB-LO

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	28419.2	28404.3	28387.0	28319.4	28387.0	28404.3	28419.2	28153.8	28142.4	27751.0	27321.0
-25°	18743.3	18397.5	18386.4	18330.5	18386.4	18397.5	18743.3	18563.4	18738.1	18717.8	18951.7
-27.5°	7099.4	6344.4	6528.4	6512.1	6528.4	6344.4	7099.4	7558.7	7298.0	8144.6	8180.8
-30°	2513.9	2322.9	2232.1	2220.8	2232.1	2322.9	2513.9	2632.7	2579.0	2984.7	3052.2
-32.5°	2171.0	2168.4	2165.6	2179.8	2165.6	2168.4	2171.0	2147.8	2152.8	2199.3	2314.4
-35°	2323.3	2326.8	2330.1	2375.5	2330.1	2326.8	2323.3	2273.7	2236.6	2231.0	2251.3
-37.5°	2278.4	2318.9	2344.2	2352.7	2344.2	2318.9	2278.4	2254.8	2242.8	2209.5	2180.4
-40°	2134.4	2149.3	2164.8	2220.8	2164.8	2149.3	2134.4	2127.7	2101.9	2055.6	2015.3
-42.5°	1978.8	1987.5	1995.7	1997.8	1995.7	1987.5	1978.8	1965.2	1914.2	1857.5	1792.0
-45°	1824.0	1849.6	1862.3	1865.8	1862.3	1849.6	1824.0	1786.6	1699.2	1604.6	1513.4
-47.5°	1505.5	1550.9	1574.6	1580.9	1574.6	1550.9	1505.5	1409.2	1278.7	1138.8	997.2
-50°	840.2	893.5	921.9	932.0	921.9	893.5	840.2	750.1	634.5	504.1	387.0
-52.5°	315.0	330.4	338.3	342.2	338.3	330.4	315.0	282.7	228.8	165.2	146.8
-55°	145.1	148.8	151.1	153.8	151.1	148.8	145.1	141.9	131.9	113.7	96.1
-57.5°	97.7	96.5	94.7	95.1	94.7	96.5	97.7	96.2	96.2	88.8	73.5
-60°	81.3	77.2	74.8	74.6	74.8	77.2	81.3	83.9	82.1	76.0	62.7
-62.5°	70.2	69.6	68.4	67.8	68.4	69.6	70.2	69.5	65.4	59.2	49.4
-65°	59.0	62.1	63.6	63.7	63.6	62.1	59.0	54.8	50.4	45.7	39.2
-67.5°	47.8	53.5	60.0	65.0	60.0	53.5	47.8	43.2	39.1	35.4	31.5
-70°	37.0	44.3	57.3	67.4	57.3	44.3	37.0	32.9	30.0	28.3	25.2
-72.5°	30.5	35.7	44.1	49.6	44.1	35.7	30.5	26.8	25.6	24.6	22.4
-75°	23.9	26.9	31.6	34.6	31.6	26.9	23.9	21.4	21.2	20.5	18.7
-77.5°	17.4	19.4	21.7	22.3	21.7	19.4	17.4	16.8	15.1	14.5	12.5
-80°	12.5	12.6	12.7	12.7	12.7	12.6	12.5	12.2	10.3	8.5	8.3
-82.5°	5.7	5.8	5.9	5.9	5.9	5.8	5.7	5.6	5.4	4.1	3.9
-85°	0.9	0.9	0.9	0.9	0.9	0.9	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°	3.9	3.9	3.9	3.8	3.8	3.7	3.6	3.6	3.4	3.3	3.2
85°	6.1	6.1	6.0	5.9	5.8	5.7	5.6	5.5	5.3	5.2	5.1
82.5°	9.2	9.7	8.7	8.5	8.2	8.1	7.5	7.2	7.1	6.9	6.7
80°	13.7	14.8	12.9	12.5	12.4	13.2	11.2	10.8	10.3	9.7	9.2
77.5°	19.9	21.6	19.3	18.4	17.9	17.8	15.4	14.4	13.8	13.1	12.4
75°	26.8	29.1	28.9	27.6	26.2	24.7	22.5	20.6	18.5	17.3	16.1
72.5°	37.8	39.5	39.9	39.0	36.5	32.3	28.6	25.8	23.6	22.2	20.8
70°	48.8	50.3	52.5	54.2	51.9	45.7	38.7	34.0	30.9	27.9	25.5
67.5°	65.0	66.7	69.0	71.7	70.3	61.5	49.8	42.6	39.4	35.4	33.1
65°	88.1	93.8	98.8	101.7	97.9	80.7	60.6	50.9	48.1	46.6	43.9
62.5°	120.5	126.9	132.3	132.4	125.0	103.6	80.0	68.2	61.9	57.2	55.4
60°	260.6	218.1	188.9	166.8	148.3	122.3	98.2	87.7	82.5	77.6	70.8
57.5°	756.5	555.2	403.2	274.8	173.4	144.7	122.8	111.3	103.9	99.2	91.1
55°	1239.5	1066.7	850.9	666.9	472.5	330.0	161.5	142.8	130.6	122.8	111.6
52.5°	1409.3	1352.7	1300.1	1244.4	1122.3	857.6	518.6	327.9	165.8	153.4	139.4
50°	1810.5	1834.2	1813.6	1848.7	1769.7	1593.9	1239.1	822.1	468.7	245.9	180.8
47.5°	3736.1	4020.2	3548.9	3496.5	2822.2	2646.4	2092.0	1669.9	1162.8	575.0	376.4
45°	13549.1	14747.9	12627.9	12339.2	8457.6	6449.8	3903.7	2854.2	2191.9	1389.3	648.1
42.5°	45733.8	45909.1	42617.5	38876.4	28941.8	17935.2	9443.7	4706.0	3384.7	2334.2	1448.0
40°	94413.8	90344.0	86197.7	77118.5	61841.7	38896.7	20020.5	8394.3	4467.5	3258.0	2243.2
37.5°	130527.1	124874.5	121030.2	109256.7	91898.7	63362.3	33239.1	13898.1	5860.9	3876.3	2885.2
35°	141861.2	136835.0	132647.8	124519.8	110468.7	83445.5	47177.3	20145.1	7641.2	4191.2	3265.4
32.5°	135523.9	132045.7	128614.2	123271.9	114270.0	94412.9	59459.5	26038.0	8970.3	4298.5	3396.0
30°	121481.1	119288.0	116990.1	114121.6	108105.5	95175.5	67257.3	34197.0	11469.2	4121.5	3281.9
27.5°	106276.9	105118.8	103573.9	101826.8	98129.1	90522.1	70214.0	39952.3	14765.0	4445.9	3071.5
25°	94718.1	93655.7	92498.0	91191.6	88531.5	83356.2	70466.7	44886.2	16934.7	4112.9	2900.2
22.5°	85469.6	84654.1	83588.7	82457.2	80432.3	76391.0	66830.9	46099.4	21253.7	6252.6	2967.6
20°	78392.3	77580.4	76562.4	75515.7	73896.5	70547.4	64177.8	46818.7	23072.5	6800.5	2916.6
17.5°	73178.9	72346.6	71181.2	70046.6	68735.2	65713.3	60135.7	46204.9	25211.7	8391.9	3124.1
15°	69216.0	68306.2	67076.3	65900.2	64637.5	61926.9	57687.1	46087.3	27118.7	8560.3	3136.2
12.5°	66165.7	65145.5	63818.9	62570.4	61407.1	58895.8	54903.7	45058.8	28004.0	8079.8	3069.0
10°	63900.7	62795.4	61396.6	60109.1	58881.2	56464.2	53031.5	44651.2	28243.8	10190.8	3209.1
7.5°	62275.7	61062.2	59632.5	58178.3	56877.6	54504.9	51376.5	44223.5	28284.3	11136.5	3395.6
5°	61056.8	59792.4	58248.9	56674.8	55352.7	52915.8	49762.9	43043.5	27848.9	11061.0	3256.0
2.5°	60134.8	58764.5	57114.2	55524.3	54140.9	51585.1	48388.5	41584.1	26949.8	10301.1	2985.6
0°	59158.1	57704.6	56004.5	54403.9	52978.1	50316.9	46994.8	39876.0	25542.5	9521.1	2997.1
-2.5°	58082.6	56665.3	54964.8	53333.4	51811.3	49081.5	45708.0	38296.3	23867.2	8636.4	2945.0
-5°	56950.8	55543.5	53886.2	52270.6	50580.0	47779.5	44412.4	36730.6	21863.5	7598.7	2924.0
-7.5°	55749.0	54321.2	52650.0	51015.1	49142.2	46250.6	42841.9	34646.4	19465.3	6603.3	3024.9
-10°	54033.5	52532.0	50862.9	49297.6	47289.4	44285.9	40604.3	31479.1	16812.3	5821.5	3268.9
-12.5°	51606.0	50163.5	48499.5	47035.2	44863.6	41837.3	37823.8	28070.3	13915.9	4886.8	3522.3
-15°	48418.7	47077.2	45469.4	43845.5	41656.2	39000.5	35302.0	24356.0	11230.0	4869.6	3579.9
-17.5°	43721.5	42402.9	41031.2	39546.8	37503.5	35025.6	30302.6	19450.0	8852.5	4369.3	3286.1
-20°	35204.1	34271.2	33295.9	32358.1	30791.2	28994.0	23797.9	13823.8	5634.7	3335.8	2755.5



REPORT NUMBER: P902051 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	27006.7	26439.4	25977.4	25356.4	24300.5	22578.4	17327.6	9347.1	4091.4	2571.1	2201.3
-25°	18761.0	18694.0	18665.0	18423.4	17813.2	16209.4	10634.6	4749.5	2515.4	1972.8	1720.4
-27.5°	8727.5	9382.5	9678.4	9794.0	9433.5	7772.9	4929.2	2960.9	2007.1	1631.3	1347.2
-30°	3588.7	3988.4	4268.3	4386.1	4155.9	3341.6	2308.4	1941.3	1558.4	1310.3	1028.4
-32.5°	2550.3	2811.2	2973.2	2807.9	2438.3	1980.7	1716.4	1466.9	1243.0	925.9	687.8
-35°	2357.1	2473.3	2443.3	2210.2	1895.5	1605.1	1379.4	1157.7	880.3	570.1	332.2
-37.5°	2193.9	2162.0	2042.3	1807.4	1551.5	1327.6	1092.5	813.1	532.2	272.2	169.0
-40°	1960.1	1843.5	1675.1	1486.4	1254.1	1014.8	729.4	467.3	239.9	146.3	96.2
-42.5°	1692.6	1541.9	1372.2	1135.8	877.7	585.3	376.1	203.4	134.7	94.0	72.9
-45°	1359.5	1148.5	929.4	655.8	404.4	258.2	161.4	113.3	87.9	70.0	53.0
-47.5°	812.9	597.9	395.5	268.7	148.6	125.9	97.1	77.5	63.9	53.0	46.4
-50°	315.0	223.3	154.4	129.9	102.8	79.3	63.5	58.2	50.5	45.0	40.2
-52.5°	135.8	120.5	102.9	84.0	62.9	55.3	48.7	45.7	42.4	38.1	34.3
-55°	86.7	76.5	71.2	62.1	51.7	45.9	40.2	38.0	36.6	33.2	29.4
-57.5°	65.6	63.1	59.0	52.1	44.0	38.4	34.9	32.5	31.6	29.1	24.7
-60°	52.9	50.5	46.8	42.7	37.1	32.5	29.6	27.4	26.3	24.5	21.5
-62.5°	42.7	40.3	36.2	33.3	29.7	27.5	24.3	22.8	21.6	19.9	19.2
-65°	33.8	31.8	28.9	27.3	24.0	22.4	20.5	19.6	19.0	18.3	17.6
-67.5°	27.7	24.8	22.7	21.7	19.8	18.9	18.4	17.9	17.3	16.7	15.8
-70°	23.5	22.0	20.8	19.7	18.2	17.1	16.6	16.2	15.1	13.8	12.7
-72.5°	21.5	20.1	19.1	17.5	16.1	15.2	14.8	14.4	13.0	11.6	11.1
-75°	18.3	17.8	17.0	15.1	13.6	13.3	12.9	12.6	11.5	10.0	9.6
-77.5°	12.2	12.2	13.3	12.6	11.6	11.4	11.1	10.7	9.6	7.6	6.9
-80°	8.0	7.9	9.2	8.8	8.5	8.1	7.6	7.1	6.4	4.9	4.6
-82.5°	3.7	3.6	4.1	4.8	4.5	4.2	3.9	3.5	3.4	3.2	3.0
-85°	0.6	0.6	0.5	2.2	2.1	2.0	1.9	1.8	1.6	1.5	1.4
-87.5°	0.0	0.0	0.0	0.2	0.1	0.1	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: P902051 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MB-LO

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°	3.0	2.9	2.7	2.6	4.9	5.7	8.4	8.7	7.0	5.4	4.8
85°	4.9	4.8	4.6	4.6	9.3	11.6	16.3	17.0	13.9	10.8	9.6
82.5°	6.5	6.9	6.1	7.0	13.3	17.6	22.8	23.6	19.1	15.2	13.9
80°	8.9	9.6	8.1	11.6	19.1	25.8	31.0	30.5	24.0	19.1	17.4
77.5°	12.1	12.7	12.5	17.4	27.3	35.4	40.9	39.5	30.9	23.8	20.9
75°	15.5	15.6	16.4	24.5	37.9	47.7	53.3	49.0	38.3	30.6	26.0
72.5°	20.2	19.5	21.5	32.6	48.7	61.1	66.7	60.5	47.7	37.4	32.1
70°	25.0	23.7	29.4	46.7	62.8	75.5	80.9	71.9	58.1	46.4	38.2
67.5°	32.4	28.6	40.0	62.6	81.0	94.9	96.3	83.1	68.0	55.4	45.5
65°	42.0	39.3	56.5	80.0	100.7	116.4	115.6	95.1	77.3	64.0	52.9
62.5°	52.2	57.2	81.0	107.4	125.7	137.8	133.4	109.7	87.1	72.2	59.9
60°	63.0	80.2	114.4	142.9	160.0	162.5	148.7	124.7	101.3	80.2	67.2
57.5°	81.6	111.5	154.1	187.7	204.4	192.9	167.3	139.9	115.4	92.1	74.2
55°	124.0	179.6	213.5	238.3	257.3	229.7	190.8	154.9	129.2	104.6	80.8
52.5°	194.3	267.3	311.6	312.8	301.3	266.5	216.3	176.4	142.5	116.8	90.5
50°	305.9	382.8	426.6	429.3	351.5	298.7	246.3	197.4	157.1	128.6	100.1
47.5°	461.8	545.7	565.9	548.7	433.1	329.6	274.7	220.7	174.7	140.0	109.1
45°	735.2	759.1	753.7	631.3	504.2	384.0	301.6	243.8	190.7	150.2	117.8
42.5°	1095.5	1008.9	951.2	749.6	569.5	442.7	325.5	264.9	207.3	162.3	126.0
40°	1619.0	1269.4	1053.5	857.7	640.7	496.3	368.2	283.5	224.1	173.6	133.6
37.5°	2043.2	1507.3	1162.0	934.8	726.3	540.9	407.8	300.1	239.1	183.9	140.6
35°	2443.9	1707.4	1257.6	1002.2	797.4	581.7	442.0	321.1	252.4	194.7	148.0
32.5°	2743.1	1984.3	1411.4	1071.1	843.0	632.3	470.9	348.6	263.5	205.6	154.9
30°	2968.1	2235.3	1531.3	1120.1	880.5	674.1	495.4	372.6	273.7	215.0	160.3
27.5°	2923.9	2392.4	1686.4	1187.9	913.5	705.9	520.7	393.5	283.0	221.7	164.7
25°	2852.6	2501.2	1804.8	1244.4	935.3	736.0	549.8	411.9	297.3	226.2	168.0
22.5°	2747.7	2502.4	1882.4	1274.2	951.2	760.4	574.0	426.9	309.4	229.5	171.3
20°	2645.2	2456.3	1934.2	1339.1	969.8	781.3	591.8	438.1	319.4	231.7	174.2
17.5°	2570.3	2423.9	1961.5	1371.0	985.1	788.7	605.8	446.5	327.1	232.9	176.2
15°	2525.3	2360.3	1966.5	1374.8	984.0	788.5	617.1	452.8	332.4	232.8	178.0
12.5°	2485.8	2297.5	1930.1	1361.5	969.4	783.1	624.9	458.0	335.1	233.6	180.3
10°	2456.1	2254.2	1898.6	1353.9	950.7	776.5	629.0	461.1	339.2	235.0	181.8
7.5°	2441.3	2224.8	1879.0	1338.8	938.4	766.1	632.6	464.0	341.5	235.4	182.8
5°	2439.0	2202.8	1860.8	1319.6	922.7	752.5	632.2	463.4	342.3	236.3	184.0
2.5°	2417.5	2178.5	1834.5	1288.8	900.6	733.7	621.0	459.0	341.7	236.9	184.5
0°	2387.3	2142.5	1787.1	1246.0	872.8	711.7	604.8	451.5	339.1	236.6	184.3
-2.5°	2358.7	2101.2	1721.9	1195.1	843.6	692.7	589.7	444.7	334.9	234.2	182.2
-5°	2379.0	2078.6	1652.5	1134.9	809.9	673.0	571.5	435.5	329.0	231.0	179.4
-7.5°	2471.1	2085.1	1580.1	1066.7	773.1	654.6	551.5	423.9	321.4	227.0	175.9
-10°	2620.4	2097.0	1499.3	993.2	737.9	634.8	529.5	410.5	312.1	222.2	172.5
-12.5°	2742.5	2073.0	1392.8	910.7	711.4	613.7	507.4	395.7	301.3	216.8	168.8
-15°	2749.4	1968.3	1243.9	852.5	685.0	591.6	483.5	379.5	289.8	211.2	164.6
-17.5°	2584.5	1759.2	1119.4	793.9	654.9	566.8	458.2	363.3	277.0	205.5	159.8
-20°	2201.1	1488.1	982.7	730.4	621.3	536.0	434.1	346.9	263.6	199.1	154.5



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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°	1718.3	1184.1	835.6	664.4	587.4	500.6	409.7	329.4	249.4	192.2	148.5
-25°	1311.2	938.0	733.0	621.6	550.6	466.2	384.8	310.4	234.3	185.0	142.4
-27.5°	1018.8	784.9	654.2	581.0	510.6	431.4	358.9	290.7	220.2	177.3	136.4
-30°	782.5	655.0	590.9	542.1	470.5	399.4	333.9	269.8	210.1	169.1	129.9
-32.5°	588.7	541.3	553.2	495.6	431.6	369.6	309.4	247.8	199.6	160.2	123.0
-35°	402.4	422.2	466.0	445.2	394.7	340.2	284.5	225.0	187.1	150.8	115.7
-37.5°	261.0	327.6	371.2	388.1	359.9	312.3	258.9	207.5	174.0	141.4	109.0
-40°	171.6	241.9	291.7	323.1	326.6	283.8	233.9	192.9	160.4	131.1	102.8
-42.5°	94.7	172.4	229.2	268.1	281.2	255.2	209.8	177.7	146.7	120.6	96.3
-45°	56.9	119.5	177.0	217.4	237.6	227.3	192.8	162.5	133.6	110.0	89.3
-47.5°	46.8	77.8	133.3	173.2	198.7	195.9	174.8	146.7	121.5	101.0	81.4
-50°	35.7	49.9	97.8	135.9	160.3	169.2	156.4	131.3	109.2	92.1	73.4
-52.5°	31.7	39.1	69.7	104.9	130.5	144.8	137.4	117.5	98.8	83.1	65.4
-55°	27.7	28.5	47.7	81.3	106.1	121.1	118.2	103.5	89.1	74.2	57.7
-57.5°	23.4	20.6	35.3	62.9	85.6	99.8	101.5	92.8	79.1	65.3	53.1
-60°	19.8	18.9	27.8	47.8	68.4	83.0	88.3	82.3	69.6	57.1	48.4
-62.5°	18.4	17.5	21.3	36.3	54.5	69.7	77.7	71.9	60.1	51.6	43.6
-65°	16.9	16.2	16.4	28.2	43.3	58.5	66.3	61.0	53.2	46.0	39.2
-67.5°	14.5	14.6	14.1	22.0	34.5	47.8	54.9	52.6	46.8	40.6	34.8
-70°	12.1	12.8	12.7	17.3	26.8	38.3	45.8	45.1	40.4	35.5	30.3
-72.5°	10.6	11.1	11.4	13.5	20.3	30.7	37.7	37.9	34.0	30.3	25.7
-75°	9.2	9.0	9.2	9.8	14.8	23.9	31.1	31.0	27.8	25.0	21.1
-77.5°	6.2	6.0	6.9	7.0	9.7	18.0	25.0	25.0	22.4	19.8	17.0
-80°	4.3	4.3	5.6	5.2	6.1	13.2	19.5	19.3	17.3	15.5	13.6
-82.5°	2.8	2.7	4.1	3.9	4.1	9.0	14.1	14.4	13.0	11.6	10.2
-85°	1.2	1.2	2.7	2.6	2.5	5.1	8.8	9.6	8.7	7.8	6.8
-87.5°	0.0	0.0	1.4	1.3	1.2	2.3	4.2	4.8	4.4	3.9	3.4
-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°	4.7	3.4	2.8	2.1	1.4	0.7	0.0
85°	9.4	6.9	5.5	4.1	2.8	1.4	0.0
82.5°	14.0	10.3	8.2	6.2	4.1	2.1	0.0
80°	17.1	13.4	11.0	8.2	5.5	2.7	0.0
77.5°	19.9	15.8	13.4	10.3	6.9	3.4	0.0
75°	22.6	18.2	15.3	12.3	8.2	4.1	0.0
72.5°	27.0	20.6	17.2	13.8	9.5	4.7	0.0
70°	31.9	23.7	19.1	15.2	10.8	5.4	0.0
67.5°	36.7	27.7	20.9	16.6	12.1	6.0	0.0
65°	41.9	31.5	23.3	18.0	13.2	6.6	0.0
62.5°	47.5	35.2	26.2	19.3	14.1	7.2	0.0
60°	53.0	39.2	29.0	20.6	15.0	7.8	0.0
57.5°	58.3	43.6	31.7	22.0	15.8	8.3	0.0
55°	64.0	47.9	34.3	23.9	16.6	8.9	0.0
52.5°	69.3	52.1	37.1	25.9	17.4	9.4	0.0
50°	74.3	56.4	40.5	27.7	18.2	9.9	0.0
47.5°	79.3	60.4	43.8	29.5	19.0	10.3	0.0
45°	86.5	64.1	46.9	31.3	19.7	10.8	0.0
42.5°	93.2	67.6	50.0	32.9	20.4	11.2	0.0
40°	99.6	70.8	52.8	34.5	21.0	11.5	0.0
37.5°	105.2	73.7	55.6	36.0	21.6	11.9	0.0
35°	110.2	77.7	58.0	37.8	22.5	12.2	0.0
32.5°	114.5	81.9	60.2	39.6	23.4	12.4	0.0
30°	118.0	85.6	62.3	41.3	24.2	12.6	0.0
27.5°	121.2	88.9	64.2	42.9	25.0	12.8	0.0
25°	123.9	91.7	66.0	44.3	25.7	13.0	0.0
22.5°	125.9	94.1	67.6	45.7	26.3	13.2	0.0
20°	127.6	96.3	69.1	46.9	26.9	13.3	0.0
17.5°	130.0	98.2	70.3	47.7	27.4	13.4	0.0
15°	132.2	99.7	71.5	48.3	27.9	13.5	0.0
12.5°	133.8	100.9	72.0	48.8	28.2	13.6	0.0
10°	134.8	101.5	72.1	49.1	28.5	13.7	0.0
7.5°	135.6	101.7	72.1	49.2	28.8	13.7	0.0
5°	136.1	101.6	71.9	49.2	29.0	13.7	0.0
2.5°	136.1	101.3	71.5	49.0	29.1	13.7	0.0
0°	135.6	100.6	71.0	48.7	29.1	13.6	0.0
-2.5°	134.1	99.6	69.9	48.4	29.0	13.6	0.0
-5°	132.2	98.4	68.7	48.0	28.8	13.6	0.0
-7.5°	129.8	96.9	67.4	47.5	28.6	13.5	0.0
-10°	127.2	95.1	65.9	46.8	28.3	13.4	0.0
-12.5°	124.7	92.9	64.4	46.1	27.9	13.3	0.0
-15°	121.7	90.1	62.7	45.2	27.5	13.2	0.0
-17.5°	118.2	87.0	60.6	44.2	27.0	13.0	0.0
-20°	114.0	83.5	58.5	43.1	26.5	12.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	110.0	79.6	56.3	41.7	25.9	12.6	0.0
-25°	105.9	75.9	54.1	40.2	25.3	12.3	0.0
-27.5°	101.4	72.2	51.8	38.7	24.6	12.1	0.0
-30°	96.7	68.2	49.6	37.3	23.9	11.8	0.0
-32.5°	92.0	64.0	48.1	35.7	23.2	11.5	0.0
-35°	87.0	59.5	46.6	34.2	22.4	11.2	0.0
-37.5°	81.6	55.8	45.0	32.8	21.6	10.8	0.0
-40°	76.0	53.8	43.2	31.5	20.9	10.4	0.0
-42.5°	70.3	51.6	41.4	30.2	20.1	10.0	0.0
-45°	64.4	49.3	39.5	28.9	19.3	9.6	0.0
-47.5°	58.2	46.7	37.5	27.6	18.4	9.2	0.0
-50°	54.9	43.9	35.3	26.3	17.5	8.8	0.0
-52.5°	51.9	41.0	32.9	24.9	16.6	8.3	0.0
-55°	48.8	38.4	30.7	23.4	15.6	7.8	0.0
-57.5°	45.3	35.7	28.5	21.9	14.6	7.3	0.0
-60°	41.5	32.9	26.3	20.4	13.6	6.8	0.0
-62.5°	37.6	30.2	24.1	18.8	12.6	6.3	0.0
-65°	33.7	27.4	21.8	17.2	11.5	5.8	0.0
-67.5°	29.7	24.5	19.6	15.6	10.4	5.2	0.0
-70°	25.7	21.5	17.6	13.9	9.3	4.7	0.0
-72.5°	21.6	18.8	15.6	12.3	8.2	4.1	0.0
-75°	17.8	16.4	13.6	10.6	7.0	3.5	0.0
-77.5°	14.9	14.0	11.6	8.8	5.9	2.9	0.0
-80°	11.9	11.6	9.4	7.1	4.7	2.4	0.0
-82.5°	8.9	8.8	7.1	5.3	3.6	1.8	0.0
-85°	5.9	5.9	4.7	3.6	2.4	1.2	0.0
-87.5°	2.9	2.9	2.4	1.8	1.2	0.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)