

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: P902072 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-A35-VWB-LT**

Issue Date: 11/13/2024

Test Information

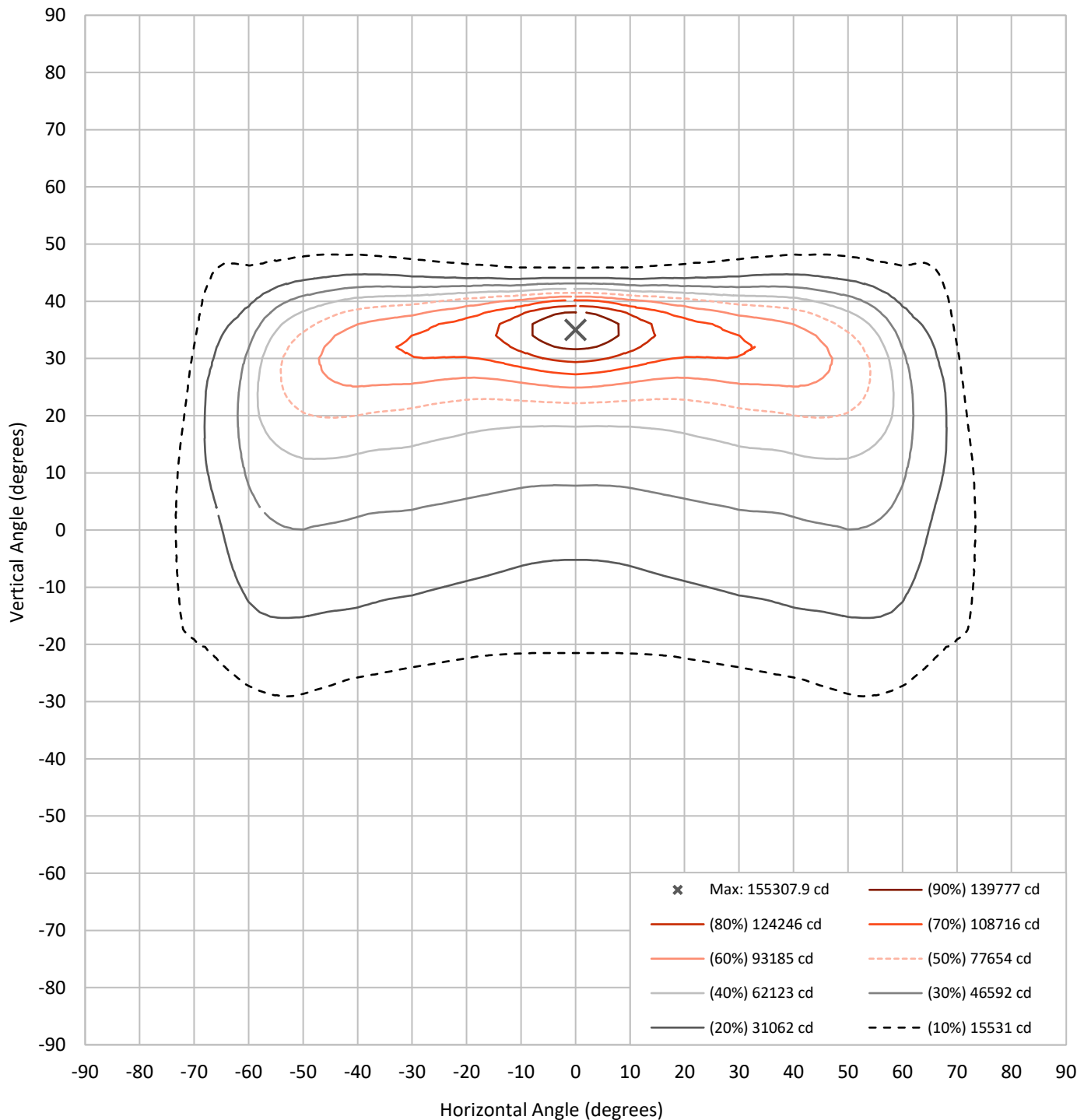
Test Method: LM-79-08
Report Number: P902072 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVM2048500)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A35-VWB-LT
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A35-VWB-LT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 4V
Luminaire Lumens:	144640.7 lumens	Max Intensity:	155307.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 35°V
Efficacy:	102.4 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	99.5°H x 19.3°V	Field Angle (10%):	139°H x 67.1°V
Beam Lumens:	51519.2 lumens	Field Lumens:	126235.5 lumens
Beam Efficiency:	35.6%	Field Efficiency:	87.3%
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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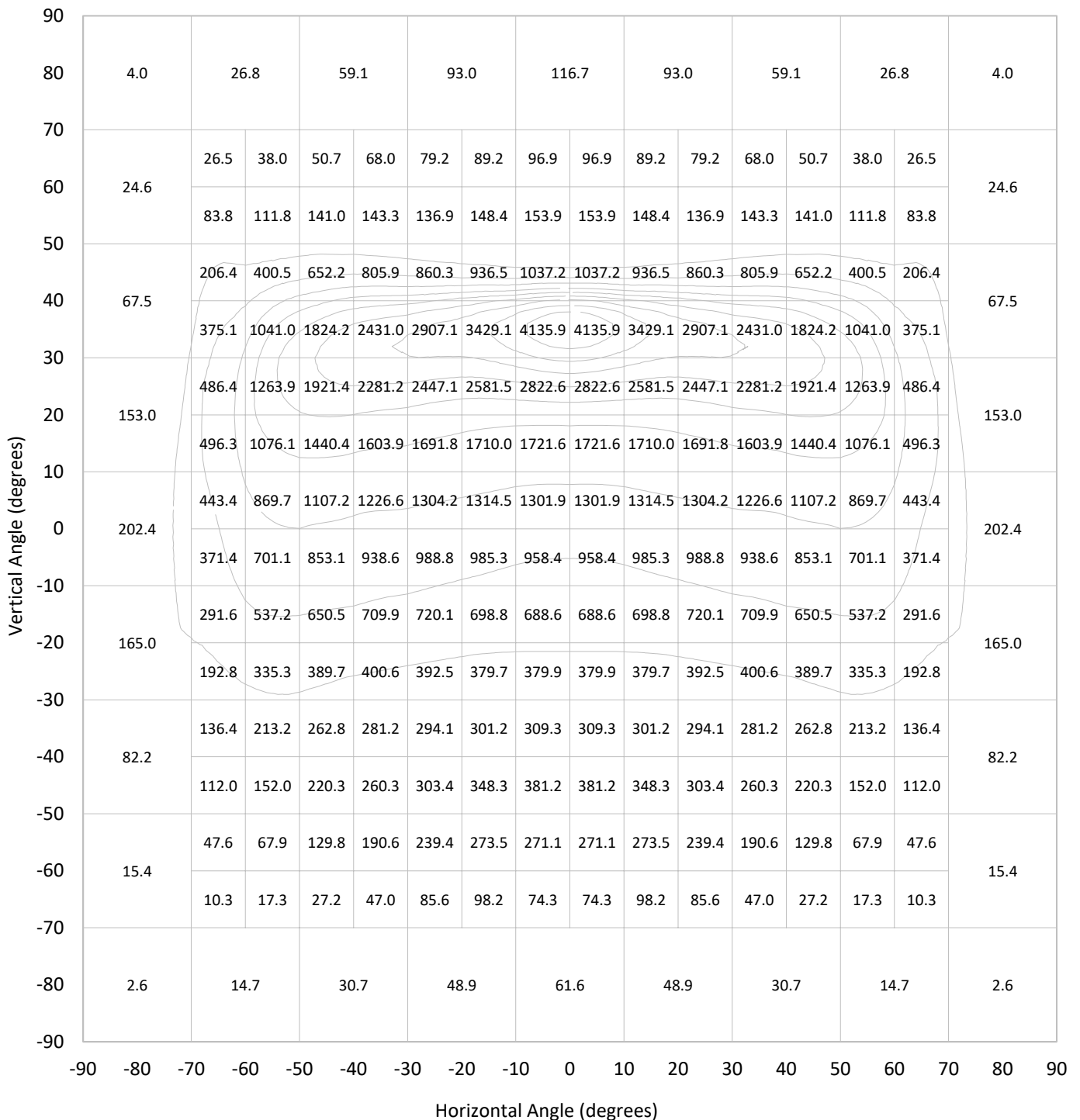
Iso-Candela Plot





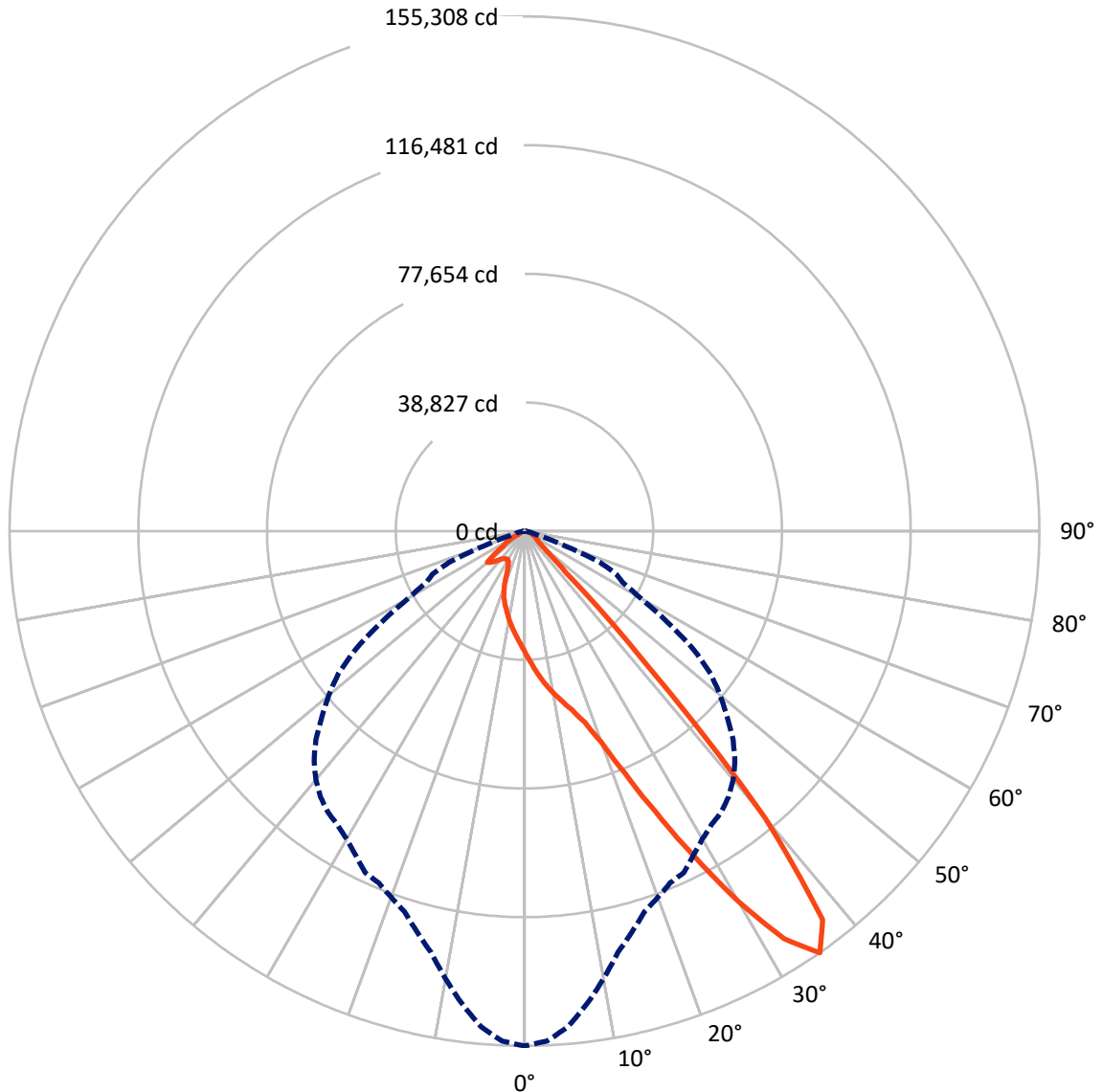
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Lumen Table



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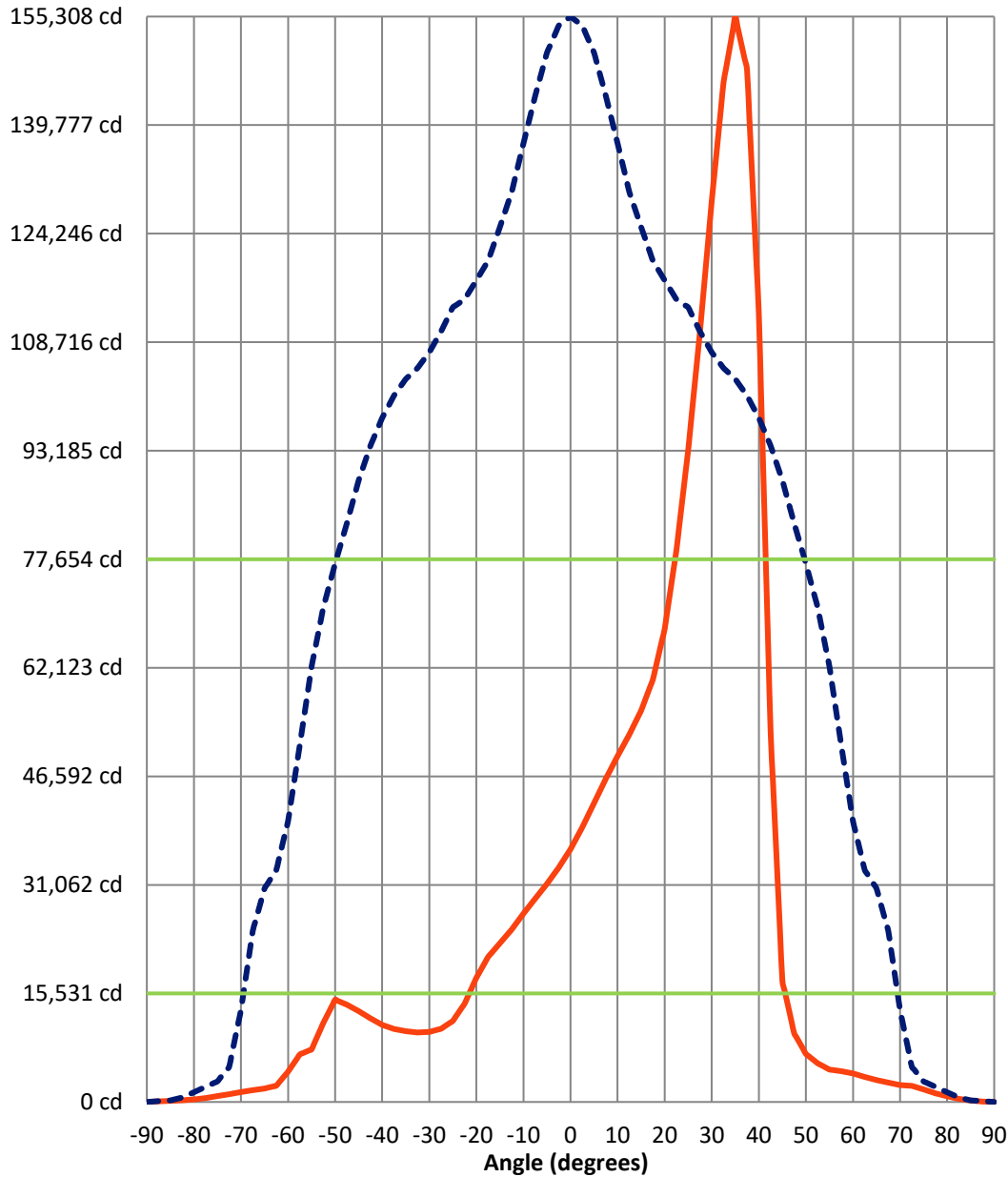
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 99.5°
 V Angle: 19.3°
 Lumens: 51519.2
 Efficiency: 35.6%

Field:
 H Angle: 139°
 V Angle: 67.1°
 Lumens: 126235.5
 Efficiency: 87.3%

Spill:
 Lumens: 18405.2
 Efficiency: 12.7%

- 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	7.0	14.6	19.3	26.2	34.2	41.6	43.1	48.3	53.8	56.4
85°	0.0	13.9	29.2	38.5	52.4	68.3	83.1	86.2	96.5	107.4	116.0
82.5°	0.0	20.8	43.7	57.8	78.4	102.1	124.4	140.8	163.8	184.0	203.1
80°	0.0	27.7	58.1	77.2	104.3	144.6	192.8	217.9	241.7	263.3	300.7
77.5°	0.0	34.5	72.4	96.5	139.5	208.9	264.3	295.5	342.1	396.3	443.4
75°	0.0	41.2	86.5	115.9	190.7	272.7	336.0	419.4	496.6	545.8	606.7
72.5°	0.0	47.9	100.4	144.8	240.5	335.9	453.7	569.7	653.6	758.5	826.1
70°	0.0	54.4	114.0	174.7	288.7	422.4	586.5	720.0	896.3	1010.0	1091.9
67.5°	0.0	60.9	127.4	202.7	334.9	533.4	718.5	940.1	1153.4	1349.7	1466.1
65°	0.0	67.2	138.9	228.7	399.8	642.5	878.9	1168.7	1470.0	1795.0	1997.4
62.5°	0.0	73.3	148.9	252.3	481.2	749.6	1068.7	1394.2	1869.8	2389.0	2892.3
60°	0.0	79.4	158.4	273.3	560.1	874.6	1254.2	1701.6	2263.8	3471.7	3974.7
57.5°	0.0	85.2	167.3	294.2	636.3	1020.5	1435.0	1993.7	3003.7	4510.8	5483.0
55°	0.0	90.9	175.6	343.1	709.7	1161.9	1640.2	2257.0	3716.0	6086.1	7266.3
52.5°	0.0	96.4	183.4	389.1	787.0	1298.4	1834.0	2617.7	4301.1	7920.7	9456.8
50°	0.0	101.7	190.5	432.1	890.2	1426.3	2018.5	2903.7	5497.8	10044.1	11859.4
47.5°	0.0	106.7	197.0	471.8	987.3	1567.5	2192.2	3092.6	6518.9	11982.8	14636.2
45°	0.0	111.6	202.8	508.3	1075.3	1702.4	2337.4	3389.5	7199.6	13914.7	17903.9
42.5°	0.0	116.2	208.0	541.5	1159.4	1830.7	2451.2	3848.1	8695.9	16301.9	21500.2
40°	0.0	120.6	212.4	572.2	1239.6	1951.9	2561.7	4184.3	10093.7	19229.0	24190.1
37.5°	0.0	124.8	216.2	599.4	1315.6	2066.0	2702.3	4381.9	11383.0	21882.7	27312.2
35°	0.0	127.9	230.0	641.9	1393.4	2176.5	2947.6	5058.2	13189.0	24480.3	30545.3
32.5°	0.0	130.6	245.9	686.2	1469.1	2296.9	3247.8	6254.3	15316.7	27101.7	32539.7
30°	0.0	133.1	259.8	724.5	1539.8	2427.6	3539.7	7451.2	17239.4	29407.0	34144.2
27.5°	0.0	135.6	275.6	756.7	1593.0	2567.2	3914.3	8501.3	19096.4	31894.0	35206.5
25°	0.0	137.8	289.5	783.0	1640.8	2714.1	4342.2	9406.6	20783.9	33104.4	36241.8
22.5°	0.0	139.9	301.5	803.5	1684.0	2868.2	4795.7	10777.5	22431.9	33060.8	36962.0
20°	0.0	141.8	311.6	818.2	1722.4	3032.5	5402.0	12376.1	24006.7	33005.5	37175.6
17.5°	0.0	143.6	319.8	827.1	1755.6	3202.0	6313.5	13766.7	25364.1	32816.7	37132.7
15°	0.0	145.1	326.3	829.7	1783.0	3424.8	7205.8	15024.4	26328.2	32407.3	36800.8
12.5°	0.0	146.5	331.1	826.5	1805.8	3707.5	8033.1	16166.4	26797.6	31929.7	36296.5
10°	0.0	147.6	334.3	817.9	1823.2	3988.1	8791.3	17115.0	26767.2	31007.0	35502.9
7.5°	0.0	148.5	336.1	804.4	1834.1	4258.4	9459.5	17830.7	26384.3	29965.4	34399.6
5°	0.0	149.2	336.6	786.3	1837.7	4504.2	10036.5	18131.2	25488.5	28776.9	33176.5
2.5°	0.0	149.6	335.8	764.4	1833.4	4716.3	10528.0	18266.8	24315.2	27426.5	31897.5
0°	0.0	149.8	333.9	739.0	1820.3	4885.3	10935.7	18267.8	23008.6	26011.8	30515.5
-2.5°	0.0	149.8	333.0	730.7	1797.3	5077.0	11229.1	17953.9	21858.7	24811.5	29309.7
-5°	0.0	149.5	331.1	719.6	1765.2	5209.1	11449.1	17573.8	20683.5	23530.8	27997.8
-7.5°	0.0	148.9	328.4	706.0	1724.1	5274.5	11604.1	17165.1	19596.5	22314.9	26638.2
-10°	0.0	148.1	324.7	690.0	1674.3	5266.5	11671.2	16728.9	18764.7	21133.4	25213.7
-12.5°	0.0	147.0	320.2	671.7	1616.2	5175.7	11596.9	16304.5	17962.9	19917.5	23718.5
-15°	0.0	145.6	314.8	651.4	1549.7	5005.4	11484.7	15924.5	17113.9	18711.5	22155.3
-17.5°	0.0	144.0	308.7	629.1	1475.4	4848.9	11343.0	15351.1	16151.5	17447.8	20337.3
-20°	0.0	142.2	301.7	606.2	1395.4	4692.3	11042.2	14635.1	15180.3	15946.2	18207.8



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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-VWB-LT

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	140.0	294.1	584.4	1310.2	4457.6	10380.7	13995.4	14158.6	14323.1	16076.0
-25°	0.0	137.7	285.7	560.5	1220.4	4104.7	9632.1	13235.8	13121.6	12730.1	14218.3
-27.5°	0.0	135.1	276.8	534.7	1126.7	3670.9	8862.0	12259.2	12192.9	11720.5	12532.4
-30°	0.0	132.2	267.1	506.9	1030.0	3173.6	8034.8	11336.4	11547.3	11042.5	11474.8
-32.5°	0.0	129.1	256.6	477.2	934.4	2612.0	7061.8	10475.6	11213.8	10449.8	10652.9
-35°	0.0	125.7	245.3	445.8	834.4	1986.0	6092.0	9727.5	10959.0	10244.6	9924.7
-37.5°	0.0	122.1	234.6	417.1	749.3	1490.4	5161.9	8853.2	10486.5	10187.1	9705.6
-40°	0.0	117.9	226.9	398.0	703.8	1350.9	4278.8	7655.4	9817.1	10201.0	9721.9
-42.5°	0.0	113.4	218.7	378.0	655.7	1209.2	3367.3	6408.3	9084.6	10112.3	9798.6
-45°	0.0	108.8	210.1	357.2	605.1	1065.8	2461.5	5112.4	8283.6	9528.1	9374.7
-47.5°	0.0	103.9	201.2	335.2	552.1	920.8	1587.3	3942.7	6705.6	8371.6	8537.0
-50°	0.0	98.9	191.9	312.1	496.8	775.1	1319.9	3018.3	4979.5	7086.9	7241.7
-52.5°	0.0	93.7	182.2	288.1	439.4	702.9	1150.6	2177.8	3255.2	5214.9	5503.3
-55°	0.0	88.2	172.2	263.1	400.6	628.8	980.1	1473.6	2422.7	3379.0	3827.1
-57.5°	0.0	82.7	161.9	237.2	365.5	550.3	801.0	1242.9	1695.6	1905.1	2449.9
-60°	0.0	76.9	151.3	220.3	329.2	467.5	687.9	971.3	1117.6	1323.9	1370.1
-62.5°	0.0	71.0	140.5	203.8	291.7	401.0	574.6	704.6	857.8	854.6	941.6
-65°	0.0	65.0	129.4	186.9	253.1	348.7	460.9	575.8	630.6	666.6	743.2
-67.5°	0.0	58.9	117.6	169.6	221.7	294.6	373.0	456.2	490.4	536.3	603.1
-70°	0.0	52.6	105.1	152.1	198.7	238.9	309.0	351.1	398.3	434.4	483.6
-72.5°	0.0	46.3	92.4	134.3	175.5	197.1	245.7	290.4	315.0	355.0	392.5
-75°	0.0	39.8	79.6	116.1	152.0	169.3	191.3	232.5	260.4	284.3	314.6
-77.5°	0.0	33.3	66.5	97.0	128.2	141.7	161.7	184.5	206.7	229.0	251.2
-80°	0.0	26.7	53.4	77.8	103.3	114.3	132.0	149.9	164.7	176.8	192.9
-82.5°	0.0	20.1	40.1	58.4	77.7	85.9	101.9	115.1	127.3	136.5	143.9
-85°	0.0	13.4	26.8	39.0	51.9	57.2	68.1	77.6	87.7	95.6	96.7
-87.5°	0.0	6.7	13.4	19.5	26.0	28.6	34.1	38.8	43.9	47.8	48.4
-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):

	-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°	56.6	58.7	56.8	52.0	47.5	48.7	47.7	51.0	53.8	56.6	54.8
85°	123.1	132.7	132.5	130.5	135.1	144.0	134.8	127.9	132.4	136.1	146.0
82.5°	216.5	229.9	227.7	236.4	255.5	280.0	274.5	255.4	254.7	253.6	267.2
80°	334.4	364.9	374.3	382.0	403.6	451.7	470.2	446.5	432.1	418.9	426.3
77.5°	476.0	518.2	548.4	568.6	593.7	655.7	718.7	716.1	688.4	656.9	662.1
75°	659.6	711.1	748.7	783.6	827.6	909.2	1008.9	1057.5	1064.1	1049.6	1051.9
72.5°	861.3	926.9	985.8	1026.6	1078.7	1158.9	1274.8	1408.4	1499.9	1544.6	1541.6
70°	1133.6	1166.8	1232.8	1275.4	1333.9	1418.0	1525.6	1684.6	1866.7	2004.8	2046.2
67.5°	1460.4	1508.6	1498.1	1579.4	1627.9	1704.9	1796.2	1919.0	2115.3	2328.3	2487.8
65°	2017.4	1948.3	1986.2	1975.4	2064.4	2094.9	2135.7	2193.9	2312.1	2517.2	2660.3
62.5°	2760.8	2693.1	2660.5	2684.0	2699.0	2696.1	2623.8	2622.8	2632.6	2767.7	2851.4
60°	3859.1	3625.4	3552.1	3577.0	3592.1	3573.5	3457.9	3392.6	3357.8	3342.7	3294.0
57.5°	5155.8	4748.9	4650.7	4645.5	4708.5	4720.4	4707.8	4592.7	4474.8	4415.1	4231.2
55°	6677.4	6072.8	5902.3	5994.0	6109.1	6249.5	6277.6	6072.1	6008.6	5850.2	5643.0
52.5°	8456.4	7759.2	7699.9	7795.3	8021.1	8269.4	8338.1	8290.5	8115.7	7803.4	7522.1
50°	11060.5	10242.2	9957.9	10245.0	10680.4	11077.0	11377.3	11493.4	11209.1	11012.6	10619.7
47.5°	14144.1	13285.1	13474.9	14273.4	14912.7	16006.7	16934.3	17149.2	16835.4	17161.2	16752.7
45°	17777.0	17736.6	18859.5	20570.4	22820.6	24546.1	25770.7	26265.3	27689.2	28045.2	27663.1
42.5°	21425.2	22817.4	26362.0	30588.9	34086.8	36775.2	39399.4	42177.6	44421.0	45665.3	46423.7
40°	25644.1	28838.4	34618.1	41188.6	47577.5	52333.0	56466.5	60487.2	64364.4	67544.4	69368.5
37.5°	29669.0	34832.0	43075.7	52464.2	60528.3	66235.6	71523.2	77062.3	82136.7	85708.0	88615.5
35°	33197.2	40193.4	51100.3	62310.5	70774.6	77035.3	82819.8	88947.6	93903.6	97883.8	101065.3
32.5°	36795.1	45456.8	57300.7	69140.2	77928.4	83687.6	89344.1	95217.2	100255.5	104161.4	106813.1
30°	39468.4	49184.3	62429.0	73916.3	81728.6	87161.7	92584.4	97228.0	101186.3	104037.4	105475.1
27.5°	41371.0	52199.7	64941.1	75496.0	82424.1	87077.1	91690.5	95367.5	98098.8	99846.9	100275.5
25°	43186.3	54042.4	66110.3	75026.6	80769.9	85069.0	88681.2	90950.7	92706.2	93203.9	92494.7
22.5°	44127.2	55094.1	65938.8	73529.2	77772.8	81273.1	83831.2	85055.5	85653.3	85193.3	84016.3
20°	44527.7	55056.3	64330.4	70033.2	73774.0	76565.5	78070.5	78627.5	78412.9	77503.9	76061.3
17.5°	44375.6	53876.6	61481.6	66234.7	69259.2	71573.8	72190.1	72188.5	71693.4	70623.6	69368.6
15°	43879.6	52195.7	58463.4	62227.2	64820.4	66425.2	66761.7	66562.3	66099.2	65033.0	63920.7
12.5°	42988.7	50241.6	55492.3	58781.1	60733.2	61969.2	62144.6	61968.8	61606.2	60647.7	59766.8
10°	41792.6	48316.2	52919.3	55575.0	57373.4	58507.8	58346.6	58260.3	57834.3	56975.5	56171.5
7.5°	40444.6	46362.0	50370.6	52782.7	54488.9	55416.3	55041.2	54974.2	54388.9	53537.8	52740.5
5°	38925.5	44445.5	48088.7	50218.9	51699.0	52428.0	51832.7	51634.3	51036.1	50152.3	49273.7
2.5°	37509.3	42728.8	45935.9	47758.8	48974.3	49458.1	48678.2	48333.9	47752.8	46843.8	45893.5
0°	35977.0	41009.1	43864.7	45409.7	46316.3	46510.9	45633.2	45199.2	44551.8	43650.8	42758.8
-2.5°	34613.3	39319.2	41845.6	43055.8	43664.8	43654.4	42737.6	42230.6	41645.9	40825.1	40024.2
-5°	33116.3	37463.4	39744.1	40647.8	41012.0	40884.5	39990.7	39537.0	39039.4	38367.8	37690.9
-7.5°	31352.0	35347.4	37554.4	38203.7	38385.7	38211.0	37404.8	37012.0	36662.0	36160.8	35528.1
-10°	29538.3	33223.9	35296.9	35713.3	35807.0	35624.7	34969.7	34644.2	34388.4	33986.6	33492.1
-12.5°	27759.0	31124.2	33010.0	33582.0	33495.0	33202.6	32782.1	32354.5	32174.0	31803.5	31311.3
-15°	25887.3	28989.7	30925.2	31530.3	31440.0	31363.3	30860.0	30495.3	30237.3	29971.6	29436.6
-17.5°	23639.4	26790.4	28335.2	28999.4	29060.7	28919.0	28674.6	28099.4	27866.3	27579.7	26966.7
-20°	21230.0	23683.7	25268.7	25827.7	25850.3	25656.6	25431.3	24740.9	24478.1	24075.0	23465.8



REPORT NUMBER: P902072 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-VWB-LT

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	18448.6	20320.3	21807.2	22198.6	22234.1	21894.9	21349.7	20815.6	20132.9	19657.7	19193.8
-25°	15844.9	17598.8	18473.9	19129.7	18956.3	18546.0	18033.7	17366.6	16580.2	16132.0	15607.6
-27.5°	14025.8	15191.2	16202.4	16602.4	16626.3	16294.1	15768.5	15161.2	14576.5	14044.9	13603.5
-30°	12549.9	13597.8	14260.9	14809.0	14949.8	14648.8	14240.2	13778.7	13258.3	12791.6	12435.7
-32.5°	11429.6	12251.0	12890.5	13326.8	13550.8	13495.3	13185.2	12801.2	12400.7	11995.8	11740.7
-35°	10524.3	11193.7	11669.2	12150.3	12547.8	12579.9	12370.4	12106.2	11877.4	11619.9	11380.9
-37.5°	9882.4	10342.1	10748.6	11154.1	11571.6	11809.4	11740.1	11597.5	11469.6	11315.7	11140.5
-40°	9366.2	9575.3	9850.1	10197.7	10697.7	11061.8	11158.0	11143.5	11093.0	10991.9	10888.6
-42.5°	8893.2	8859.4	9005.6	9271.2	9676.5	10152.7	10555.3	10596.7	10559.3	10559.4	10645.4
-45°	8818.8	8320.1	8230.6	8440.1	8910.9	9509.3	9929.3	10066.4	10077.7	10075.2	10060.5
-47.5°	8458.6	7741.2	7557.1	7790.7	8320.2	9181.5	9758.8	10125.3	10134.9	10168.6	10118.5
-50°	7043.7	6734.7	6615.9	6866.7	7451.2	8545.0	9546.0	9971.5	10594.0	10586.0	10641.3
-52.5°	5223.2	5254.9	5017.9	5080.8	5928.2	6845.8	7991.4	8643.9	9151.4	9684.1	9741.2
-55°	3617.0	3496.8	3256.6	3273.0	3529.7	4470.1	5296.8	6117.9	6631.7	7180.5	7582.0
-57.5°	2282.5	2210.6	2172.7	1954.7	2157.8	2343.6	2981.7	3453.7	4104.8	4719.7	5260.5
-60°	1449.5	1407.5	1442.0	1482.7	1545.4	1649.5	1762.2	2121.2	2344.0	2749.8	3271.8
-62.5°	996.7	992.7	1072.4	1161.0	1227.3	1270.9	1352.2	1492.9	1600.6	1784.0	1886.3
-65°	793.9	825.0	892.0	949.7	1005.1	1012.9	1087.3	1170.9	1270.7	1367.1	1465.1
-67.5°	652.5	697.3	762.1	812.4	828.3	828.5	876.1	934.3	1003.5	1072.0	1162.0
-70°	532.1	573.8	637.2	678.8	684.2	680.3	701.6	738.8	784.2	832.2	904.3
-72.5°	419.4	460.1	511.3	547.3	545.1	538.9	553.4	585.9	617.2	649.0	695.3
-75°	340.0	360.1	380.8	412.3	420.1	410.1	424.1	457.4	485.0	505.8	524.0
-77.5°	265.3	278.4	298.6	310.9	317.7	307.5	322.5	345.7	368.4	377.7	381.0
-80°	204.3	213.4	226.7	232.4	240.0	238.2	247.7	258.2	266.8	267.6	274.5
-82.5°	149.6	155.0	165.0	168.2	173.8	176.1	184.1	189.8	187.8	190.2	196.6
-85°	101.8	107.2	113.1	111.7	112.5	117.0	122.9	126.6	122.2	126.3	130.4
-87.5°	51.4	55.1	58.1	56.4	54.9	58.5	61.5	64.6	65.1	67.8	70.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902072 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-VWB-LT

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	53.3	55.5	57.7	59.7	55.2	50.7	52.4	53.7	55.0	56.4	57.4
85°	135.8	143.7	153.1	160.2	165.5	170.7	176.5	182.1	186.8	190.2	193.2
82.5°	274.8	296.4	315.4	332.3	353.3	369.1	380.7	399.1	411.3	412.3	417.3
80°	462.6	500.5	546.8	572.3	603.8	640.2	653.6	666.0	700.8	714.9	726.0
77.5°	690.1	742.5	815.8	857.4	909.6	975.1	1023.4	1054.0	1073.3	1090.7	1104.4
75°	1069.2	1105.4	1148.1	1204.0	1261.9	1340.0	1415.0	1480.6	1546.8	1606.6	1627.1
72.5°	1537.3	1544.6	1558.0	1595.8	1642.2	1713.1	1789.1	1855.3	1919.1	1977.3	2023.0
70°	2031.4	2003.9	1972.7	1987.7	2032.8	2093.3	2152.7	2204.5	2247.9	2284.2	2335.9
67.5°	2518.8	2487.3	2414.7	2396.1	2428.0	2469.0	2511.1	2552.3	2586.7	2619.0	2668.8
65°	2855.6	2920.2	2926.6	2895.9	2880.4	2891.2	2915.1	2941.4	2974.7	3017.4	3094.8
62.5°	3002.8	3123.3	3205.0	3337.0	3369.0	3365.3	3401.9	3425.0	3475.8	3541.7	3598.4
60°	3259.0	3343.1	3373.8	3479.5	3572.8	3673.3	3801.1	3852.0	3906.8	3991.3	4037.4
57.5°	3981.0	3918.7	3807.7	3750.2	3754.9	3782.7	3897.9	4020.4	4106.7	4218.4	4324.7
55°	5296.1	4998.0	4749.7	4614.1	4484.4	4397.3	4443.2	4463.4	4475.9	4474.6	4582.1
52.5°	7020.5	6658.0	6114.5	5883.5	5679.1	5686.7	5720.4	5764.8	5836.4	5824.9	5743.9
50°	9928.6	9476.8	8632.3	8184.5	7763.5	7667.4	7669.7	7610.8	7718.4	7773.0	7674.5
47.5°	16039.6	15342.5	14105.6	13334.8	12181.4	11862.8	11362.5	10722.5	10652.4	10456.5	10161.5
45°	27523.3	26607.2	25206.7	24771.3	22840.4	22565.5	21152.4	20629.9	20272.2	18594.3	17707.4
42.5°	46745.9	46037.6	45430.7	45845.2	45275.9	46931.4	46339.8	47897.6	48859.2	46599.3	48377.1
40°	70495.1	71503.0	72660.6	74489.6	78079.7	80445.2	85016.2	86932.5	91433.8	94639.1	97868.4
37.5°	90922.5	92963.9	94740.7	98096.0	102659.1	104659.4	108716.3	111860.7	117624.7	122167.0	128424.9
35°	103436.4	105015.2	107266.0	110247.1	113696.7	114846.3	117559.3	120368.1	125183.0	130189.5	137147.0
32.5°	107978.0	109338.3	111013.8	112860.2	114281.5	114688.7	115832.6	117650.3	120905.7	125230.1	130684.5
30°	106142.6	107079.7	108201.1	108751.3	108246.5	108053.7	107989.0	108830.1	110972.1	114217.9	117932.3
27.5°	100139.8	100393.7	100635.9	99843.3	98457.5	97647.3	96968.1	97250.4	98422.2	100291.6	102775.4
25°	91693.5	91539.6	90886.1	89543.4	87961.5	86949.3	86072.9	85684.8	86263.6	87341.1	88686.7
22.5°	83116.8	82504.2	81562.4	79944.8	78455.6	77428.8	76192.6	75724.6	75750.0	76121.4	76774.3
20°	75124.3	74424.6	73426.4	71867.8	70593.6	69558.0	68487.7	67743.2	67521.7	67385.4	67253.1
17.5°	68544.7	67931.6	67021.0	65696.1	64811.4	63959.9	62911.3	62159.2	61546.4	61096.0	60638.4
15°	63417.1	63159.0	62512.1	61520.4	60759.7	59978.2	59012.8	58151.4	57415.4	56810.5	56193.7
12.5°	59487.4	59363.1	58954.0	58084.4	57569.0	56702.8	55787.2	54926.0	54184.5	53456.7	52927.9
10°	56012.4	55898.7	55614.6	54904.7	54294.6	53498.6	52640.7	51916.1	51164.4	50530.4	49937.3
7.5°	52570.6	52489.0	52134.3	51394.9	50746.7	50069.8	49333.4	48640.2	47985.9	47350.5	46772.7
5°	49025.6	48927.0	48525.9	47806.3	47211.8	46535.9	45911.3	45287.3	44706.6	44059.6	43466.4
2.5°	45668.1	45491.6	45170.1	44411.3	43863.6	43248.1	42641.6	42015.5	41477.2	40843.1	40222.5
0°	42458.5	42403.9	42012.5	41284.4	40701.9	40174.0	39646.1	39040.9	38453.9	37836.9	37214.9
-2.5°	39827.1	39742.0	39323.2	38643.3	38119.0	37604.6	37015.8	36421.6	35828.9	35181.2	34532.8
-5°	37432.0	37332.4	37014.5	36280.9	35754.7	35235.8	34687.6	34110.5	33510.1	32828.9	32193.2
-7.5°	35285.2	35120.5	34835.9	34159.2	33551.1	33015.5	32437.9	31871.9	31260.4	30612.0	30002.5
-10°	33078.2	32838.2	32512.6	31886.0	31189.4	30624.6	29987.3	29384.9	28826.3	28251.0	27723.9
-12.5°	30749.6	30372.7	29979.8	29295.6	28593.5	28001.1	27296.7	26675.0	26102.4	25625.6	25234.0
-15°	28758.1	28254.0	27691.7	27002.9	26231.7	25549.5	24883.2	24257.7	23725.6	23302.5	22989.1
-17.5°	26315.7	25791.3	25238.4	24560.3	23758.0	23072.2	22504.8	21928.3	21445.4	21158.7	21029.6
-20°	22793.2	22236.7	21715.6	21075.7	20293.9	19748.6	19200.4	18664.9	18215.0	18031.9	17819.9



REPORT NUMBER: P902072 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-VWB-LT

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	18592.8	18045.9	17543.2	16965.4	16290.5	15744.0	15273.0	14796.9	14564.5	14299.5	14181.9
-25°	15114.4	14627.3	14178.1	13676.2	13224.5	12801.3	12417.2	12101.6	11951.3	11740.9	11725.6
-27.5°	13174.8	12721.4	12350.2	12020.7	11669.2	11349.5	11086.8	10909.8	10776.3	10682.8	10623.9
-30°	12068.6	11733.5	11499.2	11306.1	11003.9	10706.1	10506.5	10355.9	10262.8	10199.9	10126.1
-32.5°	11470.3	11231.3	11029.6	10872.1	10670.4	10343.1	10181.6	10066.8	10004.2	9980.5	9925.5
-35°	11189.4	10999.3	10818.3	10704.8	10567.8	10336.0	10159.7	10078.3	10048.4	10039.5	10019.4
-37.5°	11019.2	10869.5	10758.5	10694.2	10696.4	10582.2	10372.6	10374.3	10316.0	10355.0	10356.9
-40°	10805.3	10715.4	10744.3	10725.6	10804.9	10850.4	10807.9	10812.0	10818.1	10869.7	10916.9
-42.5°	10607.2	10652.8	10810.4	10811.5	11034.5	11234.0	11252.4	11399.5	11441.5	11502.7	11600.8
-45°	10216.0	10288.1	10508.4	10690.4	10954.8	11297.8	11554.1	11700.6	11964.7	12217.3	12411.7
-47.5°	10118.8	10241.2	10315.5	10604.6	10850.8	11220.1	11617.3	11823.2	12181.8	12598.4	12879.3
-50°	10652.0	10608.3	10816.0	10957.2	11337.8	11657.1	12027.9	12451.0	12678.6	12992.5	13381.3
-52.5°	9871.0	9728.1	9890.2	9895.2	10319.7	10338.1	10581.1	10979.5	11026.8	10890.9	11048.1
-55°	7854.6	7954.8	7918.9	7968.4	8061.8	7838.9	8028.7	8131.1	7956.8	7650.6	7708.6
-57.5°	5785.8	6280.3	6826.6	7216.5	7431.9	7637.6	7867.0	7926.5	7806.0	7602.3	7412.9
-60°	3786.3	4426.7	5148.4	5956.7	6862.7	7897.6	8953.4	9117.9	8837.9	8251.4	7470.0
-62.5°	2123.4	2652.8	3188.3	3843.0	4738.2	5576.5	5966.8	5772.7	5420.3	4758.1	3841.3
-65°	1580.4	1692.0	1783.6	1863.9	2301.5	2674.8	2607.4	1921.4	1452.6	1684.8	1833.8
-67.5°	1246.0	1308.6	1351.5	1394.1	1437.0	1435.5	1399.9	1389.8	1435.4	1505.1	1552.6
-70°	972.9	1018.0	1062.0	1106.9	1128.8	1112.2	1099.7	1130.8	1187.1	1253.0	1308.4
-72.5°	744.2	778.5	806.0	827.0	835.2	843.6	855.7	897.4	952.0	1009.2	1067.5
-75°	552.3	581.2	598.9	609.0	615.0	636.7	664.9	698.1	738.1	778.8	824.6
-77.5°	392.0	408.1	425.6	434.0	445.1	461.2	491.1	506.0	520.8	537.6	567.4
-80°	285.2	294.4	302.5	304.1	310.2	316.9	333.3	341.5	347.4	352.5	372.9
-82.5°	203.9	210.8	210.7	216.0	221.8	227.1	229.5	233.5	237.2	240.3	250.0
-85°	134.7	138.7	135.3	138.5	141.7	144.6	147.6	149.8	151.7	153.3	162.4
-87.5°	72.2	74.1	75.9	77.2	78.5	79.7	83.9	84.8	85.6	86.2	87.9
-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: P902072 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-VWB-LT

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	58.5	58.9	60.0	61.6	60.0	58.9	58.5	57.4	56.4	55.0	53.7
85°	194.7	196.9	204.7	214.9	204.7	196.9	194.7	193.2	190.2	186.8	182.1
82.5°	412.1	423.6	435.8	445.8	435.8	423.6	412.1	417.3	412.3	411.3	399.1
80°	739.3	775.9	799.1	819.1	799.1	775.9	739.3	726.0	714.9	700.8	666.0
77.5°	1123.0	1162.7	1188.1	1244.3	1188.1	1162.7	1123.0	1104.4	1090.7	1073.3	1054.0
75°	1654.5	1701.4	1737.4	1799.9	1737.4	1701.4	1654.5	1627.1	1606.6	1546.8	1480.6
72.5°	2098.6	2189.5	2246.7	2306.4	2246.7	2189.5	2098.6	2023.0	1977.3	1919.1	1855.3
70°	2395.0	2423.5	2437.7	2421.0	2437.7	2423.5	2395.0	2335.9	2284.2	2247.9	2204.5
67.5°	2731.1	2776.7	2776.5	2773.4	2776.5	2776.7	2731.1	2668.8	2619.0	2586.7	2552.3
65°	3162.9	3189.3	3166.1	3137.8	3166.1	3189.3	3162.9	3094.8	3017.4	2974.7	2941.4
62.5°	3628.8	3635.2	3642.9	3582.0	3642.9	3635.2	3628.8	3598.4	3541.7	3475.8	3425.0
60°	4058.1	4111.0	4195.8	4084.3	4195.8	4111.0	4058.1	4037.4	3991.3	3906.8	3852.0
57.5°	4387.8	4454.1	4514.6	4406.3	4514.6	4454.1	4387.8	4324.7	4218.4	4106.7	4020.4
55°	4617.1	4639.0	4645.1	4642.9	4645.1	4639.0	4617.1	4582.1	4474.6	4475.9	4463.4
52.5°	5633.9	5582.3	5560.4	5538.3	5560.4	5582.3	5633.9	5743.9	5824.9	5836.4	5764.8
50°	7397.8	7140.4	6990.9	6878.5	6990.9	7140.4	7397.8	7674.5	7773.0	7718.4	7610.8
47.5°	9975.8	9921.5	9882.4	9855.8	9882.4	9921.5	9975.8	10161.5	10456.5	10652.4	10722.5
45°	17956.8	17805.1	17578.2	17389.6	17578.2	17805.1	17956.8	17707.4	18594.3	20272.2	20629.9
42.5°	50890.3	52840.5	53342.8	53057.2	53342.8	52840.5	50890.3	48377.1	46599.3	48859.2	47897.6
40°	103181.5	108800.1	111934.2	112894.9	111934.2	108800.1	103181.5	97868.4	94639.1	91433.8	86932.5
37.5°	136497.5	143290.0	146717.8	147690.0	146717.8	143290.0	136497.5	128424.9	122167.0	117624.7	111860.7
35°	143963.2	150135.0	154003.8	155307.9	154003.8	150135.0	143963.2	137147.0	130189.5	125183.0	120368.1
32.5°	136017.1	141270.4	144722.0	145846.9	144722.0	141270.4	136017.1	130684.5	125230.1	120905.7	117650.3
30°	121741.7	125500.3	127872.5	128895.4	127872.5	125500.3	121741.7	117932.3	114217.9	110972.1	108830.1
27.5°	105231.8	107675.3	109414.8	110237.3	109414.8	107675.3	105231.8	102775.4	100291.6	98422.2	97250.4
25°	89998.6	91550.0	92737.8	93299.4	92737.8	91550.0	89998.6	88686.7	87341.1	86263.6	85684.8
22.5°	77348.2	77995.4	78560.4	78969.1	78560.4	77995.4	77348.2	76774.3	76121.4	75750.0	75724.6
20°	67327.2	67416.4	67546.1	67678.7	67546.1	67416.4	67327.2	67253.1	67385.4	67521.7	67743.2
17.5°	60450.3	60177.2	60235.3	60456.7	60235.3	60177.2	60450.3	60638.4	61096.0	61546.4	62159.2
15°	55886.2	55701.0	55758.9	56004.5	55758.9	55701.0	55886.2	56193.7	56810.5	57415.4	58151.4
12.5°	52585.8	52404.3	52419.7	52586.3	52419.7	52404.3	52585.8	52927.9	53456.7	54184.5	54926.0
10°	49538.6	49336.3	49362.0	49505.3	49362.0	49336.3	49538.6	49937.3	50530.4	51164.4	51916.1
7.5°	46379.3	46193.0	46198.2	46243.6	46198.2	46193.0	46379.3	46772.7	47350.5	47985.9	48640.2
5°	43055.4	42844.6	42775.9	42765.7	42775.9	42844.6	43055.4	43466.4	44059.6	44706.6	45287.3
2.5°	39724.7	39469.5	39362.2	39304.0	39362.2	39469.5	39724.7	40222.5	40843.1	41477.2	42015.5
0°	36681.0	36344.6	36187.3	36169.3	36187.3	36344.6	36681.0	37214.9	37836.9	38453.9	39040.9
-2.5°	33963.3	33652.5	33528.2	33544.7	33528.2	33652.5	33963.3	34532.8	35181.2	35828.9	36421.6
-5°	31665.9	31371.6	31191.5	31214.1	31191.5	31371.6	31665.9	32193.2	32828.9	33510.1	34110.5
-7.5°	29555.6	29259.7	29163.5	29097.8	29163.5	29259.7	29555.6	30002.5	30612.0	31260.4	31871.9
-10°	27341.8	27089.9	27009.4	26952.9	27009.4	27089.9	27341.8	27723.9	28251.0	28826.3	29384.9
-12.5°	24930.0	24779.1	24715.0	24674.3	24715.0	24779.1	24930.0	25234.0	25625.6	26102.4	26675.0
-15°	22762.3	22694.1	22732.8	22715.8	22732.8	22694.1	22762.3	22989.1	23302.5	23725.6	24257.7
-17.5°	20745.7	20860.5	20791.0	20760.5	20791.0	20860.5	20745.7	21029.6	21158.7	21445.4	21928.3
-20°	17745.9	17604.1	17708.1	17766.1	17708.1	17604.1	17745.9	17819.9	18031.9	18215.0	18664.9



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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°	14077.6	14159.5	14116.2	14066.4	14116.2	14159.5	14077.6	14181.9	14299.5	14564.5	14796.9
-25°	11533.6	11627.6	11600.3	11595.3	11600.3	11627.6	11533.6	11725.6	11740.9	11951.3	12101.6
-27.5°	10580.5	10491.1	10459.5	10475.8	10459.5	10491.1	10580.5	10623.9	10682.8	10776.3	10909.8
-30°	10113.8	10083.0	10059.3	10029.8	10059.3	10083.0	10113.8	10126.1	10199.9	10262.8	10355.9
-32.5°	9910.5	9909.9	9938.8	9947.9	9938.8	9909.9	9910.5	9925.5	9980.5	10004.2	10066.8
-35°	10002.5	10029.1	10084.6	10129.9	10084.6	10029.1	10002.5	10019.4	10039.5	10048.4	10078.3
-37.5°	10316.0	10307.3	10351.7	10448.5	10351.7	10307.3	10316.0	10356.9	10355.0	10316.0	10374.3
-40°	10857.2	10876.4	10962.2	11031.0	10962.2	10876.4	10857.2	10916.9	10869.7	10818.1	10812.0
-42.5°	11606.4	11710.3	11851.8	11968.4	11851.8	11710.3	11606.4	11600.8	11502.7	11441.5	11399.5
-45°	12477.0	12642.6	12856.5	13000.3	12856.5	12642.6	12477.0	12411.7	12217.3	11964.7	11700.6
-47.5°	13090.2	13396.0	13743.2	13921.3	13743.2	13396.0	13090.2	12879.3	12598.4	12181.8	11823.2
-50°	13722.5	14068.3	14426.6	14630.7	14426.6	14068.3	13722.5	13381.3	12992.5	12678.6	12451.0
-52.5°	11198.2	11255.6	11310.3	11314.8	11310.3	11255.6	11198.2	11048.1	10890.9	11026.8	10979.5
-55°	7692.6	7617.4	7548.0	7531.5	7548.0	7617.4	7692.6	7708.6	7650.6	7956.8	8131.1
-57.5°	7343.2	7126.7	6909.7	6801.1	6909.7	7126.7	7343.2	7412.9	7602.3	7806.0	7926.5
-60°	6388.2	5320.4	4626.8	4339.1	4626.8	5320.4	6388.2	7470.0	8251.4	8837.9	9117.9
-62.5°	3080.6	2629.6	2408.4	2329.5	2408.4	2629.6	3080.6	3841.3	4758.1	5420.3	5772.7
-65°	1877.3	1893.1	1918.3	1926.7	1918.3	1893.1	1877.3	1833.8	1684.8	1452.6	1921.4
-67.5°	1612.6	1648.4	1675.8	1690.7	1675.8	1648.4	1612.6	1552.6	1505.1	1435.4	1389.8
-70°	1361.8	1390.6	1412.7	1419.8	1412.7	1390.6	1361.8	1308.4	1253.0	1187.1	1130.8
-72.5°	1099.7	1104.0	1101.8	1115.3	1101.8	1104.0	1099.7	1067.5	1009.2	952.0	897.4
-75°	839.2	839.1	835.0	844.2	835.0	839.1	839.2	824.6	778.8	738.1	698.1
-77.5°	566.6	568.7	570.0	565.1	570.0	568.7	566.6	567.4	537.6	520.8	506.0
-80°	360.9	362.3	363.7	364.1	363.7	362.3	360.9	372.9	352.5	347.4	341.5
-82.5°	250.7	252.0	252.8	241.5	252.8	252.0	250.7	250.0	240.3	237.2	233.5
-85°	163.6	164.4	164.8	163.9	164.8	164.4	163.6	162.4	153.3	151.7	149.8
-87.5°	88.3	88.7	88.9	89.4	88.9	88.7	88.3	87.9	86.2	85.6	84.8
-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°	52.4	50.7	55.2	59.7	57.7	55.5	53.3	54.8	56.6	53.8	51.0
85°	176.5	170.7	165.5	160.2	153.1	143.7	135.8	146.0	136.1	132.4	127.9
82.5°	380.7	369.1	353.3	332.3	315.4	296.4	274.8	267.2	253.6	254.7	255.4
80°	653.6	640.2	603.8	572.3	546.8	500.5	462.6	426.3	418.9	432.1	446.5
77.5°	1023.4	975.1	909.6	857.4	815.8	742.5	690.1	662.1	656.9	688.4	716.1
75°	1415.0	1340.0	1261.9	1204.0	1148.1	1105.4	1069.2	1051.9	1049.6	1064.1	1057.5
72.5°	1789.1	1713.1	1642.2	1595.8	1558.0	1544.6	1537.3	1541.6	1544.6	1499.9	1408.4
70°	2152.7	2093.3	2032.8	1987.7	1972.7	2003.9	2031.4	2046.2	2004.8	1866.7	1684.6
67.5°	2511.1	2469.0	2428.0	2396.1	2414.7	2487.3	2518.8	2487.8	2328.3	2115.3	1919.0
65°	2915.1	2891.2	2880.4	2895.9	2926.6	2920.2	2855.6	2660.3	2517.2	2312.1	2193.9
62.5°	3401.9	3365.3	3369.0	3337.0	3205.0	3123.3	3002.8	2851.4	2767.7	2632.6	2622.8
60°	3801.1	3673.3	3572.8	3479.5	3373.8	3343.1	3259.0	3294.0	3342.7	3357.8	3392.6
57.5°	3897.9	3782.7	3754.9	3750.2	3807.7	3918.7	3981.0	4231.2	4415.1	4474.8	4592.7
55°	4443.2	4397.3	4484.4	4614.1	4749.7	4998.0	5296.1	5643.0	5850.2	6008.6	6072.1
52.5°	5720.4	5686.7	5679.1	5883.5	6114.5	6658.0	7020.5	7522.1	7803.4	8115.7	8290.5
50°	7669.7	7667.4	7763.5	8184.5	8632.3	9476.8	9928.6	10619.7	11012.6	11209.1	11493.4
47.5°	11362.5	11862.8	12181.4	13334.8	14105.6	15342.5	16039.6	16752.7	17161.2	16835.4	17149.2
45°	21152.4	22565.5	22840.4	24771.3	25206.7	26607.2	27523.3	27663.1	28045.2	27689.2	26265.3
42.5°	46339.8	46931.4	45275.9	45845.2	45430.7	46037.6	46745.9	46423.7	45665.3	44421.0	42177.6
40°	85016.2	80445.2	78079.7	74489.6	72660.6	71503.0	70495.1	69368.5	67544.4	64364.4	60487.2
37.5°	108716.3	104659.4	102659.1	98096.0	94740.7	92963.9	90922.5	88615.5	85708.0	82136.7	77062.3
35°	117559.3	114846.3	113696.7	110247.1	107266.0	105015.2	103436.4	101065.3	97883.8	93903.6	88947.6
32.5°	115832.6	114688.7	114281.5	112860.2	111013.8	109338.3	107978.0	106813.1	104161.4	100255.5	95217.2
30°	107989.0	108053.7	108246.5	108751.3	108201.1	107079.7	106142.6	105475.1	104037.4	101186.3	97228.0
27.5°	96968.1	97647.3	98457.5	99843.3	100635.9	100393.7	100139.8	100275.5	99846.9	98098.8	95367.5
25°	86072.9	86949.3	87961.5	89543.4	90886.1	91539.6	91693.5	92494.7	93203.9	92706.2	90950.7
22.5°	76192.6	77428.8	78455.6	79944.8	81562.4	82504.2	83116.8	84016.3	85193.3	85653.3	85055.5
20°	68487.7	69558.0	70593.6	71867.8	73426.4	74424.6	75124.3	76061.3	77503.9	78412.9	78627.5
17.5°	62911.3	63959.9	64811.4	65696.1	67021.0	67931.6	68544.7	69368.6	70623.6	71693.4	72188.5
15°	59012.8	59978.2	60759.7	61520.4	62512.1	63159.0	63417.1	63920.7	65033.0	66099.2	66562.3
12.5°	55787.2	56702.8	57569.0	58084.4	58954.0	59363.1	59487.4	59766.8	60647.7	61606.2	61968.8
10°	52640.7	53498.6	54294.6	54904.7	55614.6	55898.7	56012.4	56171.5	56975.5	57834.3	58260.3
7.5°	49333.4	50069.8	50746.7	51394.9	52134.3	52489.0	52570.6	52740.5	53537.8	54388.9	54974.2
5°	45911.3	46535.9	47211.8	47806.3	48525.9	48927.0	49025.6	49273.7	50152.3	51036.1	51634.3
2.5°	42641.6	43248.1	43863.6	44411.3	45170.1	45491.6	45668.1	45893.5	46843.8	47752.8	48333.9
0°	39646.1	40174.0	40701.9	41284.4	42012.5	42403.9	42458.5	42758.8	43650.8	44551.8	45199.2
-2.5°	37015.8	37604.6	38119.0	38643.3	39323.2	39742.0	39827.1	40024.2	40825.1	41645.9	42230.6
-5°	34687.6	35235.8	35754.7	36280.9	37014.5	37332.4	37432.0	37690.9	38367.8	39039.4	39537.0
-7.5°	32437.9	33015.5	33551.1	34159.2	34835.9	35120.5	35285.2	35528.1	36160.8	36662.0	37012.0
-10°	29987.3	30624.6	31189.4	31886.0	32512.6	32838.2	33078.2	33492.1	33986.6	34388.4	34644.2
-12.5°	27296.7	28001.1	28593.5	29295.6	29979.8	30372.7	30749.6	31311.3	31803.5	32174.0	32354.5
-15°	24883.2	25549.5	26231.7	27002.9	27691.7	28254.0	28758.1	29436.6	29971.6	30237.3	30495.3
-17.5°	22504.8	23072.2	23758.0	24560.3	25238.4	25791.3	26315.7	26966.7	27579.7	27866.3	28099.4
-20°	19200.4	19748.6	20293.9	21075.7	21715.6	22236.7	22793.2	23465.8	24075.0	24478.1	24740.9



REPORT NUMBER: P902072 (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°	15273.0	15744.0	16290.5	16965.4	17543.2	18045.9	18592.8	19193.8	19657.7	20132.9	20815.6
-25°	12417.2	12801.3	13224.5	13676.2	14178.1	14627.3	15114.4	15607.6	16132.0	16580.2	17366.6
-27.5°	11086.8	11349.5	11669.2	12020.7	12350.2	12721.4	13174.8	13603.5	14044.9	14576.5	15161.2
-30°	10506.5	10706.1	11003.9	11306.1	11499.2	11733.5	12068.6	12435.7	12791.6	13258.3	13778.7
-32.5°	10181.6	10343.1	10670.4	10872.1	11029.6	11231.3	11470.3	11740.7	11995.8	12400.7	12801.2
-35°	10159.7	10336.0	10567.8	10704.8	10818.3	10999.3	11189.4	11380.9	11619.9	11877.4	12106.2
-37.5°	10372.6	10582.2	10696.4	10694.2	10758.5	10869.5	11019.2	11140.5	11315.7	11469.6	11597.5
-40°	10807.9	10850.4	10804.9	10725.6	10744.3	10715.4	10805.3	10888.6	10991.9	11093.0	11143.5
-42.5°	11252.4	11234.0	11034.5	10811.5	10810.4	10652.8	10607.2	10645.4	10559.4	10559.3	10596.7
-45°	11554.1	11297.8	10954.8	10690.4	10508.4	10288.1	10216.0	10060.5	10075.2	10077.7	10066.4
-47.5°	11617.3	11220.1	10850.8	10604.6	10315.5	10241.2	10118.8	10118.5	10168.6	10134.9	10125.3
-50°	12027.9	11657.1	11337.8	10957.2	10816.0	10608.3	10652.0	10641.3	10586.0	10594.0	9971.5
-52.5°	10581.1	10338.1	10319.7	9895.2	9890.2	9728.1	9871.0	9741.2	9684.1	9151.4	8643.9
-55°	8028.7	7838.9	8061.8	7968.4	7918.9	7954.8	7854.6	7582.0	7180.5	6631.7	6117.9
-57.5°	7867.0	7637.6	7431.9	7216.5	6826.6	6280.3	5785.8	5260.5	4719.7	4104.8	3453.7
-60°	8953.4	7897.6	6862.7	5956.7	5148.4	4426.7	3786.3	3271.8	2749.8	2344.0	2121.2
-62.5°	5966.8	5576.5	4738.2	3843.0	3188.3	2652.8	2123.4	1886.3	1784.0	1600.6	1492.9
-65°	2607.4	2674.8	2301.5	1863.9	1783.6	1692.0	1580.4	1465.1	1367.1	1270.7	1170.9
-67.5°	1399.9	1435.5	1437.0	1394.1	1351.5	1308.6	1246.0	1162.0	1072.0	1003.5	934.3
-70°	1099.7	1112.2	1128.8	1106.9	1062.0	1018.0	972.9	904.3	832.2	784.2	738.8
-72.5°	855.7	843.6	835.2	827.0	806.0	778.5	744.2	695.3	649.0	617.2	585.9
-75°	664.9	636.7	615.0	609.0	598.9	581.2	552.3	524.0	505.8	485.0	457.4
-77.5°	491.1	461.2	445.1	434.0	425.6	408.1	392.0	381.0	377.7	368.4	345.7
-80°	333.3	316.9	310.2	304.1	302.5	294.4	285.2	274.5	267.6	266.8	258.2
-82.5°	229.5	227.1	221.8	216.0	210.7	210.8	203.9	196.6	190.2	187.8	189.8
-85°	147.6	144.6	141.7	138.5	135.3	138.7	134.7	130.4	126.3	122.2	126.6
-87.5°	83.9	79.7	78.5	77.2	75.9	74.1	72.2	70.2	67.8	65.1	64.6
-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):

	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°	47.7	48.7	47.5	52.0	56.8	58.7	56.6	56.4	53.8	48.3	43.1
85°	134.8	144.0	135.1	130.5	132.5	132.7	123.1	116.0	107.4	96.5	86.2
82.5°	274.5	280.0	255.5	236.4	227.7	229.9	216.5	203.1	184.0	163.8	140.8
80°	470.2	451.7	403.6	382.0	374.3	364.9	334.4	300.7	263.3	241.7	217.9
77.5°	718.7	655.7	593.7	568.6	548.4	518.2	476.0	443.4	396.3	342.1	295.5
75°	1008.9	909.2	827.6	783.6	748.7	711.1	659.6	606.7	545.8	496.6	419.4
72.5°	1274.8	1158.9	1078.7	1026.6	985.8	926.9	861.3	826.1	758.5	653.6	569.7
70°	1525.6	1418.0	1333.9	1275.4	1232.8	1166.8	1133.6	1091.9	1010.0	896.3	720.0
67.5°	1796.2	1704.9	1627.9	1579.4	1498.1	1508.6	1460.4	1466.1	1349.7	1153.4	940.1
65°	2135.7	2094.9	2064.4	1975.4	1986.2	1948.3	2017.4	1997.4	1795.0	1470.0	1168.7
62.5°	2623.8	2696.1	2699.0	2684.0	2660.5	2693.1	2760.8	2892.3	2389.0	1869.8	1394.2
60°	3457.9	3573.5	3592.1	3577.0	3552.1	3625.4	3859.1	3974.7	3471.7	2263.8	1701.6
57.5°	4707.8	4720.4	4708.5	4645.5	4650.7	4748.9	5155.8	5483.0	4510.8	3003.7	1993.7
55°	6277.6	6249.5	6109.1	5994.0	5902.3	6072.8	6677.4	7266.3	6086.1	3716.0	2257.0
52.5°	8338.1	8269.4	8021.1	7795.3	7699.9	7759.2	8456.4	9456.8	7920.7	4301.1	2617.7
50°	11377.3	11077.0	10680.4	10245.0	9957.9	10242.2	11060.5	11859.4	10044.1	5497.8	2903.7
47.5°	16934.3	16006.7	14912.7	14273.4	13474.9	13285.1	14144.1	14636.2	11982.8	6518.9	3092.6
45°	25770.7	24546.1	22820.6	20570.4	18859.5	17736.6	17777.0	17903.9	13914.7	7199.6	3389.5
42.5°	39399.4	36775.2	34086.8	30588.9	26362.0	22817.4	21425.2	21500.2	16301.9	8695.9	3848.1
40°	56466.5	52333.0	47577.5	41188.6	34618.1	28838.4	25644.1	24190.1	19229.0	10093.7	4184.3
37.5°	71523.2	66235.6	60528.3	52464.2	43075.7	34832.0	29669.0	27312.2	21882.7	11383.0	4381.9
35°	82819.8	77035.3	70774.6	62310.5	51100.3	40193.4	33197.2	30545.3	24480.3	13189.0	5058.2
32.5°	89344.1	83687.6	77928.4	69140.2	57300.7	45456.8	36795.1	32539.7	27101.7	15316.7	6254.3
30°	92584.4	87161.7	81728.6	73916.3	62429.0	49184.3	39468.4	34144.2	29407.0	17239.4	7451.2
27.5°	91690.5	87077.1	82424.1	75496.0	64941.1	52199.7	41371.0	35206.5	31894.0	19096.4	8501.3
25°	88681.2	85069.0	80769.9	75026.6	66110.3	54042.4	43186.3	36241.8	33104.4	20783.9	9406.6
22.5°	83831.2	81273.1	77772.8	73529.2	65938.8	55094.1	44127.2	36962.0	33060.8	22431.9	10777.5
20°	78070.5	76565.5	73774.0	70033.2	64330.4	55056.3	44527.7	37175.6	33005.5	24006.7	12376.1
17.5°	72190.1	71573.8	69259.2	66234.7	61481.6	53876.6	44375.6	37132.7	32816.7	25364.1	13766.7
15°	66761.7	66425.2	64820.4	62227.2	58463.4	52195.7	43879.6	36800.8	32407.3	26328.2	15024.4
12.5°	62144.6	61969.2	60733.2	58781.1	55492.3	50241.6	42988.7	36296.5	31929.7	26797.6	16166.4
10°	58346.6	58507.8	57373.4	55575.0	52919.3	48316.2	41792.6	35502.9	31007.0	26767.2	17115.0
7.5°	55041.2	55416.3	54488.9	52782.7	50370.6	46362.0	40444.6	34399.6	29965.4	26384.3	17830.7
5°	51832.7	52428.0	51699.0	50218.9	48088.7	44445.5	38925.5	33176.5	28776.9	25488.5	18131.2
2.5°	48678.2	49458.1	48974.3	47758.8	45935.9	42728.8	37509.3	31897.5	27426.5	24315.2	18266.8
0°	45633.2	46510.9	46316.3	45409.7	43864.7	41009.1	35977.0	30515.5	26011.8	23008.6	18267.8
-2.5°	42737.6	43654.4	43664.8	43055.8	41845.6	39319.2	34613.3	29309.7	24811.5	21858.7	17953.9
-5°	39990.7	40884.5	41012.0	40647.8	39744.1	37463.4	33116.3	27997.8	23530.8	20683.5	17573.8
-7.5°	37404.8	38211.0	38385.7	38203.7	37554.4	35347.4	31352.0	26638.2	22314.9	19596.5	17165.1
-10°	34969.7	35624.7	35807.0	35713.3	35296.9	33223.9	29538.3	25213.7	21133.4	18764.7	16728.9
-12.5°	32782.1	33202.6	33495.0	33582.0	33010.0	31124.2	27759.0	23718.5	19917.5	17962.9	16304.5
-15°	30860.0	31363.3	31440.0	31530.3	30925.2	28989.7	25887.3	22155.3	18711.5	17113.9	15924.5
-17.5°	28674.6	28919.0	29060.7	28999.4	28335.2	26790.4	23639.4	20337.3	17447.8	16151.5	15351.1
-20°	25431.3	25656.6	25850.3	25827.7	25268.7	23683.7	21230.0	18207.8	15946.2	15180.3	14635.1



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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°	21349.7	21894.9	22234.1	22198.6	21807.2	20320.3	18448.6	16076.0	14323.1	14158.6	13995.4
-25°	18033.7	18546.0	18956.3	19129.7	18473.9	17598.8	15844.9	14218.3	12730.1	13121.6	13235.8
-27.5°	15768.5	16294.1	16626.3	16602.4	16202.4	15191.2	14025.8	12532.4	11720.5	12192.9	12259.2
-30°	14240.2	14648.8	14949.8	14809.0	14260.9	13597.8	12549.9	11474.8	11042.5	11547.3	11336.4
-32.5°	13185.2	13495.3	13550.8	13326.8	12890.5	12251.0	11429.6	10652.9	10449.8	11213.8	10475.6
-35°	12370.4	12579.9	12547.8	12150.3	11669.2	11193.7	10524.3	9924.7	10244.6	10959.0	9727.5
-37.5°	11740.1	11809.4	11571.6	11154.1	10748.6	10342.1	9882.4	9705.6	10187.1	10486.5	8853.2
-40°	11158.0	11061.8	10697.7	10197.7	9850.1	9575.3	9366.2	9721.9	10201.0	9817.1	7655.4
-42.5°	10555.3	10152.7	9676.5	9271.2	9005.6	8859.4	8893.2	9798.6	10112.3	9084.6	6408.3
-45°	9929.3	9509.3	8910.9	8440.1	8230.6	8320.1	8818.8	9374.7	9528.1	8283.6	5112.4
-47.5°	9758.8	9181.5	8320.2	7790.7	7557.1	7741.2	8458.6	8537.0	8371.6	6705.6	3942.7
-50°	9546.0	8545.0	7451.2	6866.7	6615.9	6734.7	7043.7	7241.7	7086.9	4979.5	3018.3
-52.5°	7991.4	6845.8	5928.2	5080.8	5017.9	5254.9	5223.2	5503.3	5214.9	3255.2	2177.8
-55°	5296.8	4470.1	3529.7	3273.0	3256.6	3496.8	3617.0	3827.1	3379.0	2422.7	1473.6
-57.5°	2981.7	2343.6	2157.8	1954.7	2172.7	2210.6	2282.5	2449.9	1905.1	1695.6	1242.9
-60°	1762.2	1649.5	1545.4	1482.7	1442.0	1407.5	1449.5	1370.1	1323.9	1117.6	971.3
-62.5°	1352.2	1270.9	1227.3	1161.0	1072.4	992.7	996.7	941.6	854.6	857.8	704.6
-65°	1087.3	1012.9	1005.1	949.7	892.0	825.0	793.9	743.2	666.6	630.6	575.8
-67.5°	876.1	828.5	828.3	812.4	762.1	697.3	652.5	603.1	536.3	490.4	456.2
-70°	701.6	680.3	684.2	678.8	637.2	573.8	532.1	483.6	434.4	398.3	351.1
-72.5°	553.4	538.9	545.1	547.3	511.3	460.1	419.4	392.5	355.0	315.0	290.4
-75°	424.1	410.1	420.1	412.3	380.8	360.1	340.0	314.6	284.3	260.4	232.5
-77.5°	322.5	307.5	317.7	310.9	298.6	278.4	265.3	251.2	229.0	206.7	184.5
-80°	247.7	238.2	240.0	232.4	226.7	213.4	204.3	192.9	176.8	164.7	149.9
-82.5°	184.1	176.1	173.8	168.2	165.0	155.0	149.6	143.9	136.5	127.3	115.1
-85°	122.9	117.0	112.5	111.7	113.1	107.2	101.8	96.7	95.6	87.7	77.6
-87.5°	61.5	58.5	54.9	56.4	58.1	55.1	51.4	48.4	47.8	43.9	38.8
-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°	41.6	34.2	26.2	19.3	14.6	7.0	0.0
85°	83.1	68.3	52.4	38.5	29.2	13.9	0.0
82.5°	124.4	102.1	78.4	57.8	43.7	20.8	0.0
80°	192.8	144.6	104.3	77.2	58.1	27.7	0.0
77.5°	264.3	208.9	139.5	96.5	72.4	34.5	0.0
75°	336.0	272.7	190.7	115.9	86.5	41.2	0.0
72.5°	453.7	335.9	240.5	144.8	100.4	47.9	0.0
70°	586.5	422.4	288.7	174.7	114.0	54.4	0.0
67.5°	718.5	533.4	334.9	202.7	127.4	60.9	0.0
65°	878.9	642.5	399.8	228.7	138.9	67.2	0.0
62.5°	1068.7	749.6	481.2	252.3	148.9	73.3	0.0
60°	1254.2	874.6	560.1	273.3	158.4	79.4	0.0
57.5°	1435.0	1020.5	636.3	294.2	167.3	85.2	0.0
55°	1640.2	1161.9	709.7	343.1	175.6	90.9	0.0
52.5°	1834.0	1298.4	787.0	389.1	183.4	96.4	0.0
50°	2018.5	1426.3	890.2	432.1	190.5	101.7	0.0
47.5°	2192.2	1567.5	987.3	471.8	197.0	106.7	0.0
45°	2337.4	1702.4	1075.3	508.3	202.8	111.6	0.0
42.5°	2451.2	1830.7	1159.4	541.5	208.0	116.2	0.0
40°	2561.7	1951.9	1239.6	572.2	212.4	120.6	0.0
37.5°	2702.3	2066.0	1315.6	599.4	216.2	124.8	0.0
35°	2947.6	2176.5	1393.4	641.9	230.0	127.9	0.0
32.5°	3247.8	2296.9	1469.1	686.2	245.9	130.6	0.0
30°	3539.7	2427.6	1539.8	724.5	259.8	133.1	0.0
27.5°	3914.3	2567.2	1593.0	756.7	275.6	135.6	0.0
25°	4342.2	2714.1	1640.8	783.0	289.5	137.8	0.0
22.5°	4795.7	2868.2	1684.0	803.5	301.5	139.9	0.0
20°	5402.0	3032.5	1722.4	818.2	311.6	141.8	0.0
17.5°	6313.5	3202.0	1755.6	827.1	319.8	143.6	0.0
15°	7205.8	3424.8	1783.0	829.7	326.3	145.1	0.0
12.5°	8033.1	3707.5	1805.8	826.5	331.1	146.5	0.0
10°	8791.3	3988.1	1823.2	817.9	334.3	147.6	0.0
7.5°	9459.5	4258.4	1834.1	804.4	336.1	148.5	0.0
5°	10036.5	4504.2	1837.7	786.3	336.6	149.2	0.0
2.5°	10528.0	4716.3	1833.4	764.4	335.8	149.6	0.0
0°	10935.7	4885.3	1820.3	739.0	333.9	149.8	0.0
-2.5°	11229.1	5077.0	1797.3	730.7	333.0	149.8	0.0
-5°	11449.1	5209.1	1765.2	719.6	331.1	149.5	0.0
-7.5°	11604.1	5274.5	1724.1	706.0	328.4	148.9	0.0
-10°	11671.2	5266.5	1674.3	690.0	324.7	148.1	0.0
-12.5°	11596.9	5175.7	1616.2	671.7	320.2	147.0	0.0
-15°	11484.7	5005.4	1549.7	651.4	314.8	145.6	0.0
-17.5°	11343.0	4848.9	1475.4	629.1	308.7	144.0	0.0
-20°	11042.2	4692.3	1395.4	606.2	301.7	142.2	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	10380.7	4457.6	1310.2	584.4	294.1	140.0	0.0
-25°	9632.1	4104.7	1220.4	560.5	285.7	137.7	0.0
-27.5°	8862.0	3670.9	1126.7	534.7	276.8	135.1	0.0
-30°	8034.8	3173.6	1030.0	506.9	267.1	132.2	0.0
-32.5°	7061.8	2612.0	934.4	477.2	256.6	129.1	0.0
-35°	6092.0	1986.0	834.4	445.8	245.3	125.7	0.0
-37.5°	5161.9	1490.4	749.3	417.1	234.6	122.1	0.0
-40°	4278.8	1350.9	703.8	398.0	226.9	117.9	0.0
-42.5°	3367.3	1209.2	655.7	378.0	218.7	113.4	0.0
-45°	2461.5	1065.8	605.1	357.2	210.1	108.8	0.0
-47.5°	1587.3	920.8	552.1	335.2	201.2	103.9	0.0
-50°	1319.9	775.1	496.8	312.1	191.9	98.9	0.0
-52.5°	1150.6	702.9	439.4	288.1	182.2	93.7	0.0
-55°	980.1	628.8	400.6	263.1	172.2	88.2	0.0
-57.5°	801.0	550.3	365.5	237.2	161.9	82.7	0.0
-60°	687.9	467.5	329.2	220.3	151.3	76.9	0.0
-62.5°	574.6	401.0	291.7	203.8	140.5	71.0	0.0
-65°	460.9	348.7	253.1	186.9	129.4	65.0	0.0
-67.5°	373.0	294.6	221.7	169.6	117.6	58.9	0.0
-70°	309.0	238.9	198.7	152.1	105.1	52.6	0.0
-72.5°	245.7	197.1	175.5	134.3	92.4	46.3	0.0
-75°	191.3	169.3	152.0	116.1	79.6	39.8	0.0
-77.5°	161.7	141.7	128.2	97.0	66.5	33.3	0.0
-80°	132.0	114.3	103.3	77.8	53.4	26.7	0.0
-82.5°	101.9	85.9	77.7	58.4	40.1	20.1	0.0
-85°	68.1	57.2	51.9	39.0	26.8	13.4	0.0
-87.5°	34.1	28.6	26.0	19.5	13.4	6.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)