

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: P902055 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/13/2024

Test Information

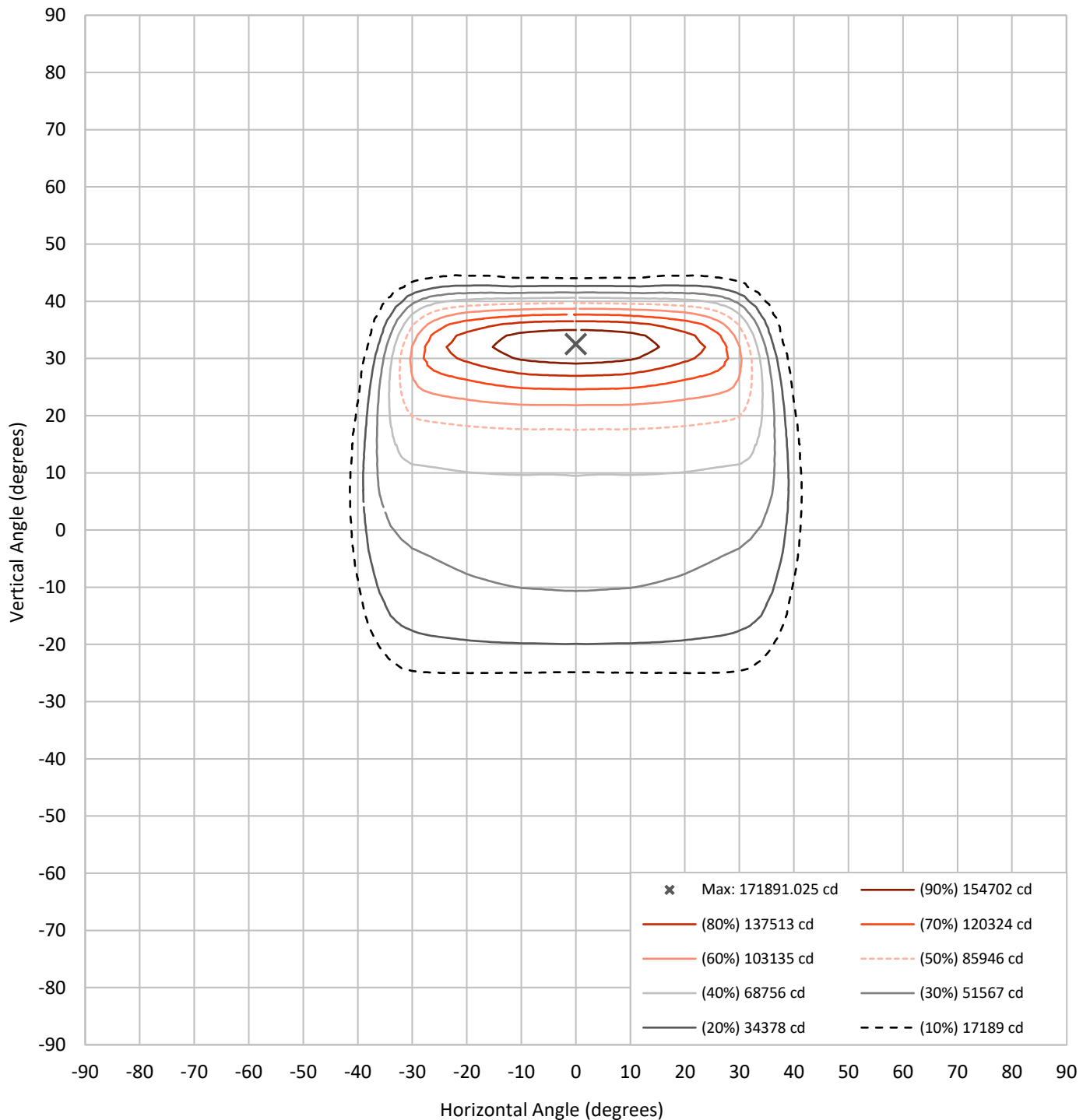
Test Method: LM-79-08
Report Number: P902055 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVM2L46900)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A35-MNB-LO
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A35-MNB-LO OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	108769.7 lumens	Max Intensity:	171891 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 32.5°V
Efficacy:	77.0 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	63.4°H x 22.1°V	Field Angle (10%):	76.1°H x 69°V
Beam Lumens:	47113.7 lumens	Field Lumens:	104340.1 lumens
Beam Efficiency:	43.3%	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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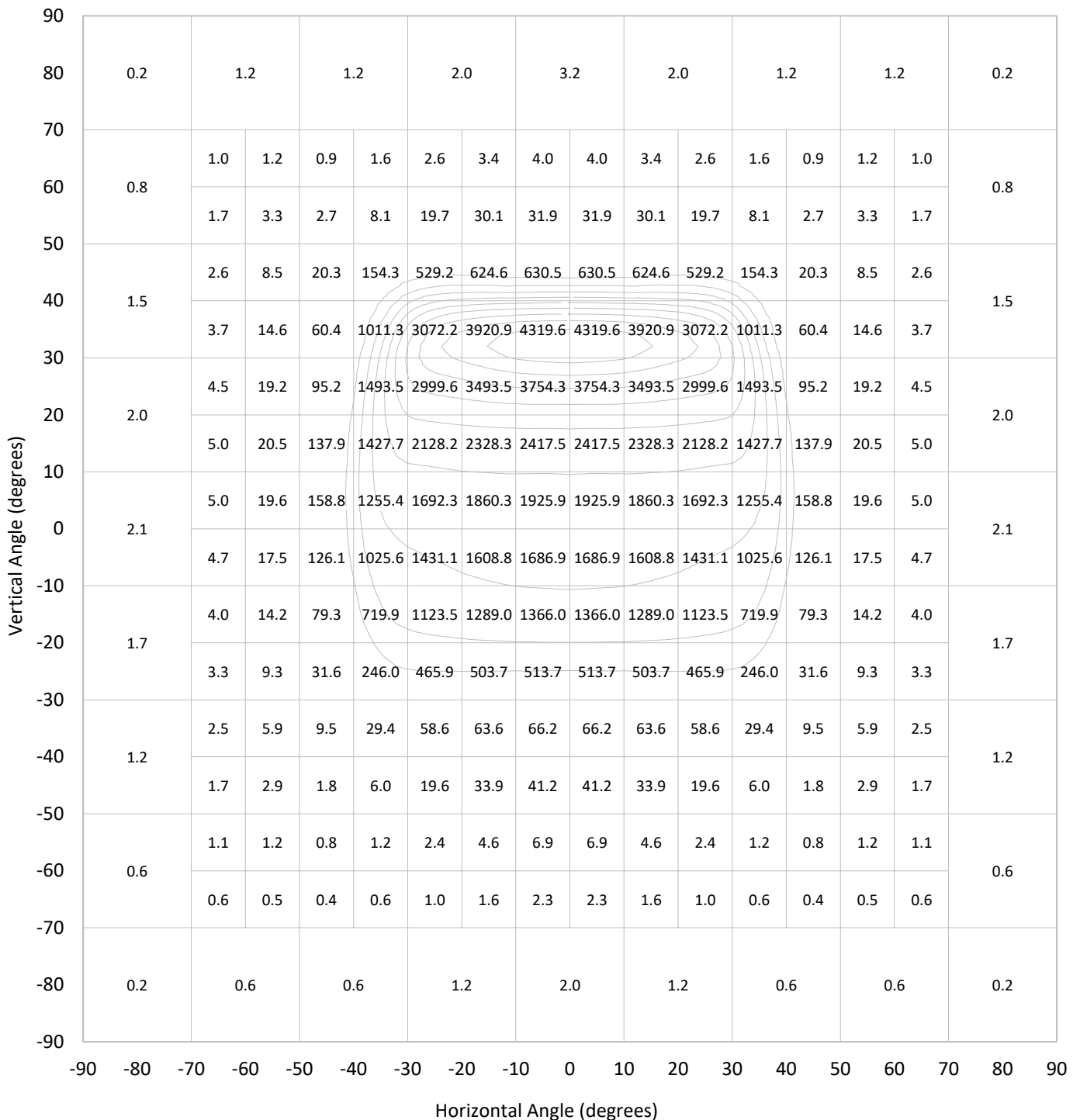
Iso-Candela Plot





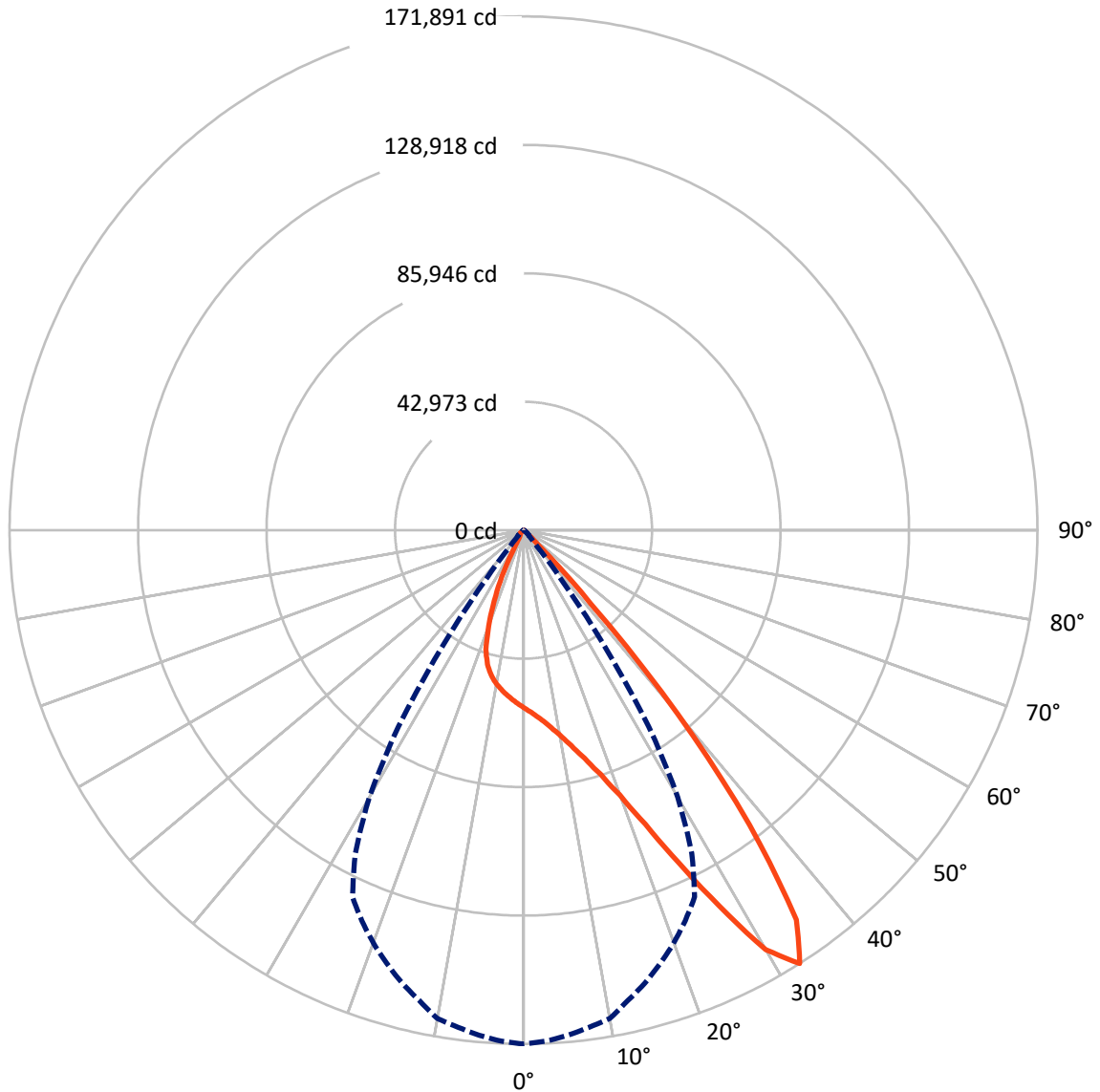
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Lumen Table



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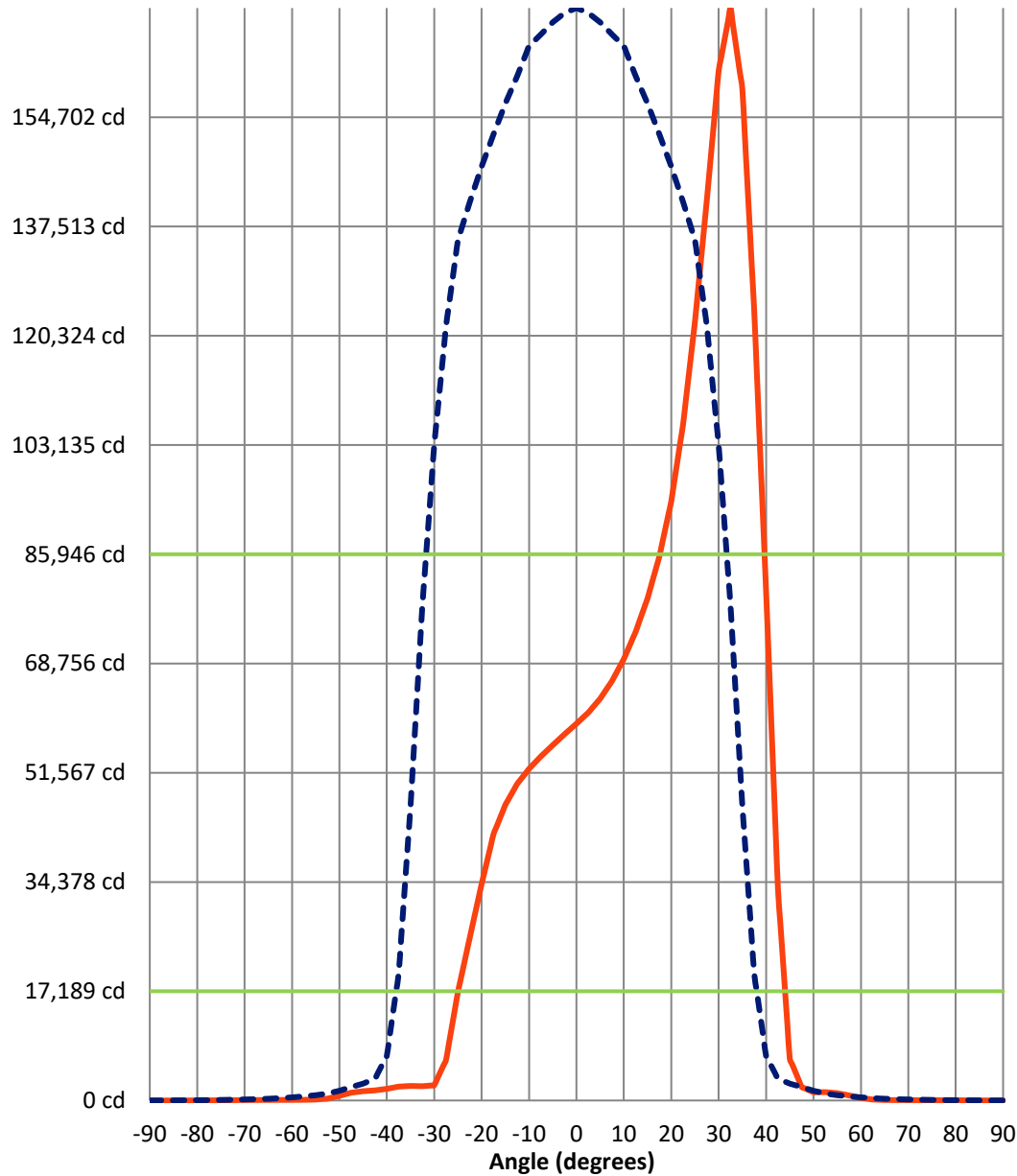
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 32.5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 63.4°
 V Angle: 22.1°
 Lumens: 47113.7
 Efficiency: 43.3%

Field:
 H Angle: 76.1°
 V Angle: 69°
 Lumens: 104340.1
 Efficiency: 95.9%

Spill:
 Lumens: 4429.6
 Efficiency: 4.1%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 32.5-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	0.6	1.2	1.8	2.4	2.9	4.1	4.1	4.7	6.1	6.7
85°	0.0	1.2	2.4	3.6	4.7	5.9	8.2	8.2	9.3	12.1	13.3
82.5°	0.0	1.8	3.6	5.3	7.1	8.8	12.2	11.9	12.9	15.7	18.9
80°	0.0	2.4	4.7	7.1	9.4	11.5	14.6	14.7	16.0	19.1	24.7
77.5°	0.0	2.9	5.9	8.8	11.5	13.4	16.9	17.5	19.8	25.0	32.0
75°	0.0	3.5	7.0	10.6	13.0	15.3	19.1	21.6	25.0	31.4	39.7
72.5°	0.0	4.1	8.2	11.8	14.5	17.2	22.5	26.3	30.3	38.7	48.6
70°	0.0	4.6	9.3	12.9	16.0	19.7	26.3	31.0	37.1	46.6	57.4
67.5°	0.0	5.1	10.4	14.1	17.5	22.7	30.0	36.6	44.0	54.3	66.3
65°	0.0	5.7	11.3	15.1	19.3	25.6	33.8	42.0	50.7	61.9	75.6
62.5°	0.0	6.2	12.0	16.2	21.5	28.4	37.9	47.2	57.5	70.1	86.9
60°	0.0	6.7	12.7	17.3	23.5	31.4	41.8	53.2	64.1	81.3	98.9
57.5°	0.0	7.1	13.4	18.3	25.6	34.9	45.6	59.0	73.5	92.3	111.1
55°	0.0	7.6	14.1	19.8	27.6	38.5	50.3	64.5	83.4	103.0	123.2
52.5°	0.0	8.0	14.7	21.2	29.7	42.0	54.8	72.1	93.0	113.4	140.3
50°	0.0	8.4	15.3	22.6	32.5	45.5	58.8	79.5	102.4	124.8	156.8
47.5°	0.0	8.8	15.9	24.0	35.1	48.5	62.7	86.4	111.4	138.6	174.8
45°	0.0	9.2	16.5	25.3	37.7	51.4	68.4	93.1	119.2	151.2	192.7
42.5°	0.0	9.5	17.0	26.5	40.2	54.1	74.0	99.8	128.6	164.3	209.3
40°	0.0	9.8	17.6	27.7	42.6	56.8	79.3	105.9	137.2	177.3	224.1
37.5°	0.0	10.1	18.1	28.8	44.8	59.3	83.8	111.6	145.1	188.9	237.5
35°	0.0	10.3	18.7	30.2	46.8	62.4	87.6	117.5	153.8	199.4	254.2
32.5°	0.0	10.5	19.4	31.7	48.6	65.6	90.8	123.0	162.4	208.6	275.3
30°	0.0	10.7	20.0	33.1	50.2	68.5	93.5	127.4	169.8	217.1	293.9
27.5°	0.0	10.8	20.6	34.4	51.8	71.1	96.2	131.0	175.4	224.8	310.2
25°	0.0	11.0	21.1	35.6	53.2	73.4	98.5	134.0	179.5	235.9	324.7
22.5°	0.0	11.1	21.6	36.7	54.5	75.4	100.2	136.5	182.6	245.1	336.8
20°	0.0	11.2	22.0	37.7	55.7	77.0	101.7	138.7	184.3	253.0	345.6
17.5°	0.0	11.3	22.4	38.3	56.7	78.4	103.5	140.0	184.9	259.1	351.8
15°	0.0	11.4	22.7	38.8	57.6	79.5	105.1	141.4	184.6	262.8	356.4
12.5°	0.0	11.4	23.0	39.1	57.9	80.3	106.4	143.4	185.3	264.5	360.5
10°	0.0	11.4	23.2	39.3	57.9	80.7	107.2	144.8	186.4	267.5	363.1
7.5°	0.0	11.5	23.4	39.3	57.7	80.7	108.0	145.7	186.8	269.2	365.4
5°	0.0	11.5	23.5	39.2	57.4	80.6	108.5	146.5	187.5	269.8	364.9
2.5°	0.0	11.4	23.6	39.0	57.0	80.2	108.6	146.8	187.8	269.5	361.6
0°	0.0	11.4	23.7	38.7	56.4	79.6	108.4	146.5	187.5	267.6	355.9
-2.5°	0.0	11.4	23.5	38.4	55.7	79.0	106.9	145.0	185.8	264.4	350.7
-5°	0.0	11.3	23.4	38.0	54.9	78.2	105.1	142.8	183.5	259.8	343.6
-7.5°	0.0	11.3	23.2	37.6	53.9	77.1	103.0	140.0	180.4	253.8	334.6
-10°	0.0	11.2	22.9	37.0	52.9	75.8	100.7	137.1	176.3	246.6	324.1
-12.5°	0.0	11.1	22.7	36.4	51.7	74.3	98.7	133.9	171.7	238.2	312.6
-15°	0.0	11.0	22.3	35.7	50.4	72.3	96.3	130.4	167.3	229.4	299.9
-17.5°	0.0	10.8	22.0	34.8	48.7	70.0	93.4	126.7	163.1	219.7	286.9
-20°	0.0	10.7	21.6	33.9	47.1	67.3	90.2	122.7	158.0	209.1	273.5



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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	10.5	21.1	33.0	45.3	64.4	87.5	118.4	152.4	197.4	259.6
-25°	0.0	10.3	20.7	32.0	43.5	61.4	84.6	114.0	146.5	184.9	245.3
-27.5°	0.0	10.1	20.2	31.0	41.7	58.4	81.4	109.3	140.7	174.2	230.3
-30°	0.0	9.9	19.7	30.0	39.9	55.1	77.8	104.1	134.4	166.6	213.7
-32.5°	0.0	9.6	19.2	29.0	38.6	51.7	74.0	98.6	127.6	158.4	195.9
-35°	0.0	9.3	18.6	28.0	37.3	48.0	70.0	92.8	120.4	148.4	177.6
-37.5°	0.0	9.0	18.0	27.0	36.0	45.0	65.7	87.0	113.0	138.3	163.9
-40°	0.0	8.7	17.4	26.1	34.8	43.3	61.2	81.8	104.4	127.4	152.5
-42.5°	0.0	8.4	16.8	25.1	33.5	41.5	56.5	76.2	95.9	116.1	140.6
-45°	0.0	8.0	16.1	24.1	32.1	39.4	51.5	70.4	87.8	105.5	128.5
-47.5°	0.0	7.7	15.4	23.0	30.7	37.2	46.3	64.0	80.4	96.1	116.2
-50°	0.0	7.3	14.6	21.9	29.0	34.8	43.4	57.6	72.9	86.5	104.4
-52.5°	0.0	6.9	13.8	20.7	27.3	32.7	41.1	51.2	65.7	78.4	93.2
-55°	0.0	6.5	13.0	19.5	25.5	30.8	38.8	45.1	58.6	70.8	81.6
-57.5°	0.0	6.1	12.2	18.3	23.7	28.7	36.2	41.7	51.4	63.0	73.3
-60°	0.0	5.7	11.4	17.0	21.8	26.5	33.0	38.1	44.7	55.0	65.4
-62.5°	0.0	5.3	10.5	15.7	19.9	24.3	29.9	34.5	40.5	47.1	56.9
-65°	0.0	4.8	9.6	14.4	18.0	22.1	26.9	31.4	36.3	41.7	48.0
-67.5°	0.0	4.4	8.7	13.0	16.2	19.8	23.9	28.3	32.4	36.9	41.5
-70°	0.0	3.9	7.8	11.6	14.5	17.5	20.8	25.0	28.8	32.2	35.6
-72.5°	0.0	3.4	6.8	10.2	12.9	15.4	17.5	21.1	25.0	27.5	30.1
-75°	0.0	2.9	5.9	8.8	11.3	13.5	14.4	17.1	20.5	22.7	25.0
-77.5°	0.0	2.5	4.9	7.4	9.7	11.6	12.0	13.6	15.9	18.1	20.3
-80°	0.0	2.0	3.9	5.9	7.9	9.7	9.6	10.9	12.4	13.9	15.5
-82.5°	0.0	1.5	3.0	4.4	5.9	7.4	7.2	8.2	9.3	10.5	11.5
-85°	0.0	1.0	2.0	3.0	3.9	4.9	4.7	5.5	6.2	7.0	7.7
-87.5°	0.0	0.5	1.0	1.5	2.0	2.5	2.4	2.7	3.1	3.5	3.9
-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°	7.3	4.6	4.9	2.6	2.7	2.9	3.0	3.2	3.3	3.4	3.6
85°	13.8	9.3	8.6	4.6	4.6	4.8	4.9	5.1	5.2	5.3	5.5
82.5°	18.2	14.1	11.3	6.8	6.1	6.9	6.5	6.7	6.9	7.1	7.2
80°	24.9	21.0	16.8	11.3	8.1	9.6	8.9	9.2	9.7	10.3	10.8
77.5°	33.5	29.1	23.4	16.4	12.5	12.7	12.1	12.4	13.1	13.8	14.4
75°	43.1	38.6	31.2	22.0	16.1	15.6	15.5	16.1	17.3	18.5	20.6
72.5°	53.2	49.4	40.3	28.1	20.5	19.5	20.2	20.8	22.2	23.6	25.8
70°	64.6	61.5	52.0	40.4	28.1	23.7	25.0	25.5	27.9	30.9	33.5
67.5°	76.7	76.2	66.3	53.5	37.2	28.4	31.6	33.1	35.0	38.4	40.9
65°	91.4	92.5	82.2	66.8	50.5	37.2	40.1	42.5	44.8	46.3	49.1
62.5°	105.4	109.9	102.0	88.3	69.6	52.7	50.1	52.6	54.7	58.8	63.7
60°	117.9	129.4	128.0	116.1	96.2	71.5	59.7	65.8	71.6	76.1	79.7
57.5°	132.5	153.0	162.4	151.2	127.2	95.6	74.6	83.2	89.6	94.0	99.9
55°	150.6	181.7	203.4	190.6	173.2	149.3	108.2	100.4	109.8	115.9	125.9
52.5°	170.3	210.2	237.8	247.9	248.2	216.7	163.3	123.2	135.2	145.3	268.1
50°	193.9	235.0	276.6	336.1	336.1	305.0	249.5	157.0	207.9	377.1	644.0
47.5°	216.3	258.6	339.3	427.0	441.9	429.2	369.4	307.5	459.1	902.7	1287.8
45°	237.4	300.5	393.7	490.5	584.8	591.9	577.7	514.8	1075.1	1682.4	2187.8
42.5°	256.1	346.2	443.7	581.0	735.4	781.9	851.3	1120.8	1791.8	2589.8	3598.9
40°	289.4	388.0	498.8	664.3	815.1	981.1	1249.7	1725.5	2496.8	3422.5	6410.8
37.5°	319.9	422.8	564.8	724.4	899.3	1164.2	1574.8	2216.6	2976.5	4514.9	10611.3
35°	346.4	454.7	620.0	777.2	974.1	1319.9	1884.7	2517.7	3262.1	5927.2	15411.6
32.5°	369.3	493.5	655.3	831.3	1093.1	1534.7	2122.6	2656.8	3428.4	7036.2	19960.6
30°	388.8	525.8	684.5	870.1	1186.1	1729.2	2305.7	2634.2	3433.3	9031.2	26560.6
27.5°	409.2	551.3	711.6	923.1	1307.0	1856.3	2311.7	2582.0	3784.7	11701.6	31900.0
25°	432.4	576.0	730.2	967.8	1399.5	1945.0	2288.2	2546.0	3618.2	13481.4	36620.8
22.5°	451.1	596.0	743.4	992.1	1461.5	1959.4	2257.4	2636.3	5302.1	17364.8	39613.8
20°	464.9	611.9	758.5	1043.1	1505.1	1939.2	2216.1	2621.6	5742.5	19065.4	41797.7
17.5°	475.8	617.6	770.4	1068.6	1528.4	1922.6	2174.2	2781.9	7065.0	21782.5	43481.7
15°	484.8	618.1	769.7	1072.2	1534.1	1887.0	2144.6	2778.3	7213.5	23907.5	44752.3
12.5°	490.9	614.4	758.5	1062.8	1512.0	1848.6	2110.1	2706.6	6896.6	25537.7	45453.4
10°	493.9	609.4	744.6	1058.5	1490.8	1818.0	2077.2	2796.6	8984.0	26598.9	46045.8
7.5°	496.1	601.3	736.0	1048.2	1476.3	1793.2	2052.7	2933.8	9960.8	27091.5	46061.1
5°	495.2	590.3	725.2	1034.2	1460.9	1771.5	2036.7	2810.0	9978.0	26874.9	44868.1
2.5°	486.6	575.8	708.8	1010.7	1438.6	1747.9	2005.7	2579.6	9338.0	26034.8	43065.3
0°	474.2	558.8	687.6	977.5	1401.2	1714.7	1974.1	2574.8	8677.4	24706.9	40778.0
-2.5°	462.8	544.3	664.5	938.5	1351.0	1678.6	1947.5	2525.1	7890.1	23034.9	38493.4
-5°	449.0	529.1	637.8	892.1	1297.0	1657.3	1958.6	2498.2	6919.6	20975.8	36219.2
-7.5°	433.4	515.0	608.6	839.6	1240.4	1656.5	2022.1	2563.9	5923.9	18482.2	33570.0
-10°	416.2	499.4	581.1	782.4	1177.3	1657.8	2125.2	2731.6	5059.1	15624.0	30143.8
-12.5°	399.2	482.3	560.4	717.9	1093.0	1629.8	2199.2	2900.0	4090.9	12473.8	26636.3
-15°	381.0	464.8	539.3	672.2	977.0	1539.8	2177.7	2902.7	4013.3	9662.9	22892.3
-17.5°	361.2	445.6	515.3	626.6	880.4	1372.7	2023.2	2624.6	3556.8	7473.4	17799.9
-20°	341.8	421.9	488.9	576.5	774.5	1163.6	1717.3	2175.8	2688.1	4581.8	11948.2



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

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	323.0	394.4	462.0	524.2	660.8	930.5	1343.6	1728.7	2052.5	3300.8	7778.8
-25°	303.9	367.0	433.0	490.3	580.4	741.1	1030.1	1346.9	1559.5	2009.1	3814.7
-27.5°	283.5	339.1	402.0	458.1	518.3	622.1	805.4	1058.6	1283.4	1590.4	2361.4
-30°	263.5	314.5	371.0	427.8	468.4	520.8	623.5	813.0	1028.7	1229.4	1539.6
-32.5°	243.9	291.5	340.9	391.8	438.0	432.6	473.7	552.6	734.8	978.5	1157.4
-35°	224.1	268.6	312.1	352.6	370.3	340.9	331.1	281.9	463.9	699.7	912.4
-37.5°	204.0	246.7	284.6	308.0	297.9	268.2	221.9	156.4	237.4	434.9	647.4
-40°	184.5	224.4	258.8	257.2	236.9	201.7	151.8	98.5	139.6	213.4	385.1
-42.5°	166.0	201.9	223.5	215.1	188.3	147.5	91.5	78.2	97.4	130.5	183.9
-45°	152.6	179.7	189.2	176.3	147.7	106.1	60.5	60.3	75.9	91.2	112.0
-47.5°	138.5	154.9	158.5	141.4	113.2	73.5	51.5	52.9	60.2	69.8	80.8
-50°	124.1	134.6	128.4	111.7	84.9	50.7	41.2	45.6	50.7	56.0	63.0
-52.5°	108.9	115.7	105.4	87.4	62.1	40.8	37.2	39.8	43.5	47.8	51.1
-55°	93.6	96.6	86.4	68.7	44.2	31.0	32.0	34.8	38.1	42.1	43.4
-57.5°	80.4	79.9	70.2	54.1	34.2	24.3	27.1	28.6	32.8	35.6	37.3
-60°	70.5	67.2	56.6	42.0	27.6	21.4	23.2	25.2	28.1	29.9	31.1
-62.5°	62.4	56.8	45.7	32.7	22.0	19.3	20.3	22.0	23.5	25.2	26.4
-65°	53.5	47.7	36.9	26.1	17.0	17.8	18.7	19.4	20.3	21.6	22.9
-67.5°	44.2	38.9	29.8	20.5	14.1	15.0	16.4	17.7	18.5	19.1	19.7
-70°	36.5	30.8	22.7	16.1	12.7	13.0	13.4	14.6	15.7	16.7	17.8
-72.5°	29.6	24.7	17.4	12.6	11.4	11.1	10.6	11.4	12.9	14.0	15.2
-75°	24.6	19.6	13.5	9.6	9.2	9.0	9.2	9.6	10.5	12.0	12.6
-77.5°	19.8	15.1	9.1	7.0	6.9	6.0	6.2	6.9	7.6	9.6	10.7
-80°	15.2	10.9	5.8	5.2	5.6	4.3	4.3	4.6	4.9	6.4	7.1
-82.5°	10.9	7.2	4.0	3.9	4.1	2.7	2.8	3.0	3.2	3.4	3.5
-85°	6.7	4.6	2.5	2.6	2.7	1.2	1.2	1.4	1.5	1.6	1.8
-87.5°	3.2	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	15.0	15.5	15.7	17.7
77.5°	15.4	17.8	17.9	18.4	19.3	21.6	19.9	21.3	22.0	22.3	24.3
75°	22.5	24.7	25.6	26.4	27.5	28.6	26.8	27.8	29.0	29.6	31.1
72.5°	28.4	31.4	34.1	36.6	38.1	37.7	36.9	36.2	37.6	38.5	39.1
70°	36.6	42.1	47.2	49.8	49.7	48.2	46.7	46.0	46.5	47.3	49.2
67.5°	45.9	55.1	62.4	63.7	63.4	62.0	60.7	59.1	59.9	61.5	61.5
65°	56.6	71.1	84.7	90.8	89.4	85.8	80.3	76.0	76.6	76.7	77.4
62.5°	72.9	90.1	107.7	117.1	120.4	115.5	108.6	110.0	124.3	137.3	146.5
60°	87.9	106.2	128.5	147.8	169.7	191.5	221.8	306.9	377.6	421.7	439.1
57.5°	107.8	126.0	149.9	233.2	337.3	454.9	607.0	756.5	872.1	922.2	913.0
55°	140.4	270.0	378.7	530.1	676.6	846.5	984.0	1103.0	1202.7	1259.7	1237.5
52.5°	413.2	671.7	873.7	968.8	1015.3	1064.7	1126.5	1176.8	1223.5	1273.5	1298.9
50°	960.8	1232.3	1367.7	1434.2	1415.2	1443.7	1444.7	1397.0	1404.2	1392.6	1361.0
47.5°	1610.9	2036.4	2177.8	2699.9	2753.6	3117.5	2904.5	2644.3	2628.1	2377.4	2146.9
45°	2990.0	4919.6	6448.3	9388.9	9625.4	11253.8	10300.1	10384.9	10160.1	8567.7	7722.0
42.5°	7184.8	13592.1	21891.8	29449.4	32338.0	35122.8	34884.1	35449.6	34902.4	31983.4	32849.0
40°	15188.6	29433.3	46818.3	59254.4	66657.8	70855.0	73445.4	75244.0	76842.8	77805.7	78177.3
37.5°	25244.5	48081.9	71685.6	88242.3	99545.4	106734.3	111549.4	114830.1	118062.0	119482.1	121652.3
35°	36027.1	65329.8	91766.7	110505.7	125153.4	132388.7	138587.4	142765.5	147934.2	150643.6	154776.9
32.5°	46325.6	77874.1	103107.7	121902.5	135365.9	141358.4	146956.9	152004.0	156854.0	161175.6	165902.9
30°	54580.9	83849.4	106426.5	123385.1	131653.4	136093.1	140634.6	144869.7	149016.6	152978.2	156347.5
27.5°	59630.2	85400.6	104511.0	116502.4	120874.8	123983.4	127076.6	130360.1	133406.5	136022.4	138449.2
25°	62665.3	84604.2	99405.9	106552.9	109162.4	111256.0	113479.8	115618.9	117730.5	119489.0	120937.8
22.5°	63540.3	81756.0	92753.0	96985.5	98475.2	99914.2	101274.6	102775.9	104028.4	105020.5	105888.8
20°	64060.2	78571.9	86448.8	88643.1	89601.5	90549.9	91496.7	92330.3	93145.6	93654.5	94028.2
17.5°	63024.7	74821.1	80345.8	81600.3	82335.7	83121.6	83774.2	84326.5	84736.5	84997.3	85162.3
15°	62403.5	71211.3	75031.5	75845.0	76452.6	77109.0	77641.7	78014.2	78254.2	78455.6	78563.8
12.5°	60532.4	67755.8	70384.6	70928.5	71483.3	72118.1	72644.3	72959.1	73132.2	73254.9	73421.2
10°	58947.5	64515.1	66372.4	66871.7	67387.3	68032.0	68540.5	68841.5	68976.4	69168.4	69244.7
7.5°	56805.9	61128.3	62833.5	63383.3	63985.0	64609.4	65183.4	65545.4	65764.3	65907.1	65924.7
5°	54342.4	58169.9	59791.6	60368.2	61073.7	61771.1	62368.4	62836.8	63125.2	63238.2	63249.2
2.5°	51979.9	55480.4	57121.0	57791.6	58533.6	59326.4	60009.2	60503.3	60813.5	61004.8	61063.7
0°	49423.9	52847.9	54612.7	55343.1	56141.8	57005.9	57783.6	58325.6	58689.5	58975.0	59148.6
-2.5°	46956.6	50326.0	52224.8	53089.5	53973.8	54894.1	55674.5	56266.6	56700.1	57045.2	57257.7
-5°	44582.2	47876.5	49912.7	50996.0	51935.9	52882.2	53689.8	54341.8	54828.0	55234.5	55518.0
-7.5°	42163.8	45395.8	47546.5	48852.4	49889.4	50885.7	51760.5	52435.6	52994.3	53457.2	53796.1
-10°	39316.4	42727.2	45008.7	46469.0	47497.0	48546.2	49502.2	50220.0	50826.0	51306.1	51686.5
-12.5°	36089.2	39872.8	42232.4	43882.9	44916.2	46002.0	46928.6	47679.3	48248.5	48775.9	49196.3
-15°	33146.0	36735.1	38805.0	40483.0	41684.5	42779.8	43671.6	44393.3	44954.3	45422.9	45856.4
-17.5°	28420.7	32887.5	34830.8	36375.8	37480.0	38413.6	39302.5	39933.4	40461.8	40931.7	41270.7
-20°	22426.6	27530.8	29033.9	30238.0	30954.1	31639.8	32289.5	32910.5	33237.6	33459.6	33836.3



REPORT NUMBER: P902055 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	15714.6	21271.7	23021.1	23889.0	24393.6	24730.0	25095.2	25237.4	25487.6	25726.6	25635.3
-25°	8712.4	14540.2	16512.6	17168.2	17426.5	17481.0	17532.0	17695.7	17444.9	17467.5	17276.8
-27.5°	3976.6	6474.6	8243.8	8904.4	8883.9	8706.7	8186.9	7729.5	7744.0	6992.7	7267.5
-30°	1848.6	2687.7	3459.9	3833.3	3998.2	3850.7	3548.3	3065.5	3006.0	2643.9	2708.9
-32.5°	1364.6	1584.6	1965.9	2316.1	2572.0	2666.7	2586.6	2371.7	2248.4	2197.9	2191.8
-35°	1088.4	1272.5	1508.1	1767.7	1974.4	2100.3	2113.7	2144.2	2171.3	2172.5	2201.2
-37.5°	860.9	1042.8	1224.3	1429.4	1620.9	1735.1	1786.5	1819.6	1865.9	1965.1	2031.9
-40°	583.1	799.2	983.1	1164.7	1314.4	1452.8	1552.4	1606.3	1642.3	1694.0	1729.8
-42.5°	313.9	471.4	691.7	887.6	1067.5	1202.5	1322.7	1405.3	1461.5	1509.0	1552.5
-45°	148.3	221.2	331.0	520.7	726.6	894.2	1055.0	1173.8	1246.9	1320.5	1389.2
-47.5°	96.3	118.3	134.9	226.4	323.2	477.0	641.1	780.5	887.6	992.5	1091.2
-50°	67.4	79.8	98.1	120.3	140.8	195.7	268.2	324.0	411.6	507.7	595.8
-52.5°	54.2	60.0	66.7	84.5	100.8	117.5	133.1	143.6	156.3	202.4	242.4
-55°	45.6	51.3	57.1	65.7	75.0	81.9	91.7	100.8	113.7	126.4	134.3
-57.5°	40.4	43.8	49.0	56.2	63.1	67.8	71.3	78.2	90.9	97.2	100.4
-60°	34.1	37.6	42.4	47.9	51.6	55.6	58.3	67.7	80.0	86.9	91.3
-62.5°	28.1	31.4	34.5	38.7	41.6	45.7	50.0	56.6	66.4	73.4	79.5
-65°	24.2	26.0	27.7	31.1	34.4	37.5	40.6	46.4	53.7	59.5	65.3
-67.5°	20.5	21.7	23.3	25.2	26.6	29.1	32.3	37.2	42.4	46.3	51.8
-70°	18.4	19.1	20.7	21.5	22.7	25.0	27.1	29.3	33.1	35.0	39.2
-72.5°	15.9	16.4	17.9	19.0	20.7	22.0	23.8	24.9	27.2	28.4	29.8
-75°	13.0	13.6	14.5	15.5	17.0	17.8	18.4	19.0	21.0	21.8	22.1
-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	19.3	22.7	24.1	22.7	19.3	13.0	11.0	9.7	9.5	9.4
80°	21.3	30.4	38.0	41.9	38.0	30.4	21.3	17.7	15.7	15.5	15.0
77.5°	29.8	36.9	42.2	44.2	42.2	36.9	29.8	24.3	22.3	22.0	21.3
75°	36.4	41.5	44.5	46.4	44.5	41.5	36.4	31.1	29.6	29.0	27.8
72.5°	42.1	47.1	48.1	50.1	48.1	47.1	42.1	39.1	38.5	37.6	36.2
70°	50.3	52.4	52.8	52.8	52.8	52.4	50.3	49.2	47.3	46.5	46.0
67.5°	61.8	63.5	64.1	64.6	64.1	63.5	61.8	61.5	61.5	59.9	59.1
65°	77.2	76.9	77.2	79.2	77.2	76.9	77.2	77.4	76.7	76.6	76.0
62.5°	150.3	150.8	151.0	152.4	151.0	150.8	150.3	146.5	137.3	124.3	110.0
60°	437.4	427.0	417.4	415.0	417.4	427.0	437.4	439.1	421.7	377.6	306.9
57.5°	868.7	832.6	809.0	801.9	809.0	832.6	868.7	913.0	922.2	872.1	756.5
55°	1204.7	1180.0	1160.8	1154.1	1160.8	1180.0	1204.7	1237.5	1259.7	1202.7	1103.0
52.5°	1308.0	1314.8	1316.1	1315.2	1316.1	1314.8	1308.0	1298.9	1273.5	1223.5	1176.8
50°	1322.8	1308.1	1301.9	1296.1	1301.9	1308.1	1322.8	1361.0	1392.6	1404.2	1397.0
47.5°	2028.8	2122.4	2140.9	2133.4	2140.9	2122.4	2028.8	2146.9	2377.4	2628.1	2644.3
45°	7695.3	7214.2	6803.2	6607.7	6803.2	7214.2	7695.3	7722.0	8567.7	10160.1	10384.9
42.5°	33563.6	33711.1	33682.4	33388.4	33682.4	33711.1	33563.6	32849.0	31983.4	34902.4	35449.6
40°	78815.9	79498.1	80149.9	80244.3	80149.9	79498.1	78815.9	78177.3	77805.7	76842.8	75244.0
37.5°	123317.9	123832.0	124155.2	124255.1	124155.2	123832.0	123317.9	121652.3	119482.1	118062.0	114830.1
35°	156903.7	157870.4	158696.4	159078.8	158696.4	157870.4	156903.7	154776.9	150643.6	147934.2	142765.5
32.5°	167741.5	169644.4	171119.9	171891.0	171119.9	169644.4	167741.5	165902.9	161175.6	156854.0	152004.0
30°	158476.1	159990.4	161267.9	162006.8	161267.9	159990.4	158476.1	156347.5	152978.2	149016.6	144869.7
27.5°	140061.1	140663.1	141224.8	141615.8	141224.8	140663.1	140061.1	138449.2	136022.4	133406.5	130360.1
25°	121588.8	121896.2	122170.5	122559.1	122170.5	121896.2	121588.8	120937.8	119489.0	117730.5	115618.9
22.5°	106200.4	106169.8	106212.9	106428.0	106212.9	106169.8	106200.4	105888.8	105020.5	104028.4	102775.9
20°	94248.2	94150.6	94192.9	94287.9	94192.9	94150.6	94248.2	94028.2	93654.5	93145.6	92330.3
17.5°	85373.8	85171.5	85302.1	85624.7	85302.1	85171.5	85373.8	85162.3	84997.3	84736.5	84326.5
15°	78645.1	78447.5	78610.4	79017.2	78610.4	78447.5	78645.1	78563.8	78455.6	78254.2	78014.2
12.5°	73411.3	73273.4	73423.0	73763.3	73423.0	73273.4	73411.3	73421.2	73254.9	73132.2	72959.1
10°	69209.9	69105.8	69232.0	69469.5	69232.0	69105.8	69209.9	69244.7	69168.4	68976.4	68841.5
7.5°	65831.9	65761.3	65815.2	66000.0	65815.2	65761.3	65831.9	65924.7	65907.1	65764.3	65545.4
5°	63178.0	63102.0	63132.8	63218.4	63132.8	63102.0	63178.0	63249.2	63238.2	63125.2	62836.8
2.5°	60996.9	60957.5	60994.9	61028.4	60994.9	60957.5	60996.9	61063.7	61004.8	60813.5	60503.3
0°	59121.3	59083.9	59156.7	59289.0	59156.7	59083.9	59121.3	59148.6	58975.0	58689.5	58325.6
-2.5°	57307.7	57358.0	57482.1	57636.0	57482.1	57358.0	57307.7	57257.7	57045.2	56700.1	56266.6
-5°	55630.4	55686.5	55774.0	55911.0	55774.0	55686.5	55630.4	55518.0	55234.5	54828.0	54341.8
-7.5°	53914.5	53932.7	54119.2	54138.3	54119.2	53932.7	53914.5	53796.1	53457.2	52994.3	52435.6
-10°	51855.2	51953.6	52141.0	52177.1	52141.0	51953.6	51855.2	51686.5	51306.1	50826.0	50220.0
-12.5°	49341.5	49519.3	49723.3	49817.0	49723.3	49519.3	49341.5	49196.3	48775.9	48248.5	47679.3
-15°	46000.5	46227.0	46364.0	46509.9	46364.0	46227.0	46000.5	45856.4	45422.9	44954.3	44393.3
-17.5°	41285.1	41660.3	41830.0	41889.7	41830.0	41660.3	41285.1	41270.7	40931.7	40461.8	39933.4
-20°	33799.0	34017.3	34153.7	34063.3	34153.7	34017.3	33799.0	33836.3	33459.6	33237.6	32910.5



REPORT NUMBER: P902055 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MNB-LO

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	25821.9	25759.0	25702.2	25632.2	25702.2	25759.0	25821.9	25635.3	25726.6	25487.6	25237.4
-25°	17492.5	17144.2	17117.8	17063.5	17117.8	17144.2	17492.5	17276.8	17467.5	17444.9	17695.7
-27.5°	6898.2	6234.9	6409.5	6402.0	6409.5	6234.9	6898.2	7267.5	6992.7	7744.0	7729.5
-30°	2612.5	2461.5	2403.3	2399.2	2403.3	2461.5	2612.5	2708.9	2643.9	3006.0	3065.5
-32.5°	2214.5	2220.6	2230.4	2248.1	2230.4	2220.6	2214.5	2191.8	2197.9	2248.4	2371.7
-35°	2236.0	2236.3	2243.2	2287.2	2243.2	2236.3	2236.0	2201.2	2172.5	2171.3	2144.2
-37.5°	2096.8	2150.0	2173.7	2183.0	2173.7	2150.0	2096.8	2031.9	1965.1	1865.9	1819.6
-40°	1747.4	1768.2	1790.4	1834.9	1790.4	1768.2	1747.4	1729.8	1694.0	1642.3	1606.3
-42.5°	1566.3	1577.3	1587.9	1591.0	1587.9	1577.3	1566.3	1552.5	1509.0	1461.5	1405.3
-45°	1422.1	1444.8	1457.2	1460.8	1457.2	1444.8	1422.1	1389.2	1320.5	1246.9	1173.8
-47.5°	1165.3	1203.1	1222.9	1228.2	1222.9	1203.1	1165.3	1091.2	992.5	887.6	780.5
-50°	665.2	706.1	729.1	737.2	729.1	706.1	665.2	595.8	507.7	411.6	324.0
-52.5°	268.7	281.9	289.4	292.6	289.4	281.9	268.7	242.4	202.4	156.3	143.6
-55°	139.3	144.0	146.6	148.3	146.6	144.0	139.3	134.3	126.4	113.7	100.8
-57.5°	103.2	104.6	103.4	103.8	103.4	104.6	103.2	100.4	97.2	90.9	78.2
-60°	92.8	92.6	92.8	92.8	92.8	92.6	92.8	91.3	86.9	80.0	67.7
-62.5°	84.4	87.2	89.3	89.2	89.3	87.2	84.4	79.5	73.4	66.4	56.6
-65°	71.9	77.7	81.6	81.9	81.6	77.7	71.9	65.3	59.5	53.7	46.4
-67.5°	57.4	63.6	70.8	76.0	70.8	63.6	57.4	51.8	46.3	42.4	37.2
-70°	42.7	49.7	61.1	69.2	61.1	49.7	42.7	39.2	35.0	33.1	29.3
-72.5°	33.5	38.3	45.5	49.6	45.5	38.3	33.5	29.8	28.4	27.2	24.9
-75°	24.7	27.0	31.6	34.6	31.6	27.0	24.7	22.1	21.8	21.0	19.0
-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



REPORT NUMBER: P902055 (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°
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	28.6	27.5	26.4	25.6	24.7	22.5	20.6	18.5	17.3	16.1
72.5°	36.9	37.7	38.1	36.6	34.1	31.4	28.4	25.8	23.6	22.2	20.8
70°	46.7	48.2	49.7	49.8	47.2	42.1	36.6	33.5	30.9	27.9	25.5
67.5°	60.7	62.0	63.4	63.7	62.4	55.1	45.9	40.9	38.4	35.0	33.1
65°	80.3	85.8	89.4	90.8	84.7	71.1	56.6	49.1	46.3	44.8	42.5
62.5°	108.6	115.5	120.4	117.1	107.7	90.1	72.9	63.7	58.8	54.7	52.6
60°	221.8	191.5	169.7	147.8	128.5	106.2	87.9	79.7	76.1	71.6	65.8
57.5°	607.0	454.9	337.3	233.2	149.9	126.0	107.8	99.9	94.0	89.6	83.2
55°	984.0	846.5	676.6	530.1	378.7	270.0	140.4	125.9	115.9	109.8	100.4
52.5°	1126.5	1064.7	1015.3	968.8	873.7	671.7	413.2	268.1	145.3	135.2	123.2
50°	1444.7	1443.7	1415.2	1434.2	1367.7	1232.3	960.8	644.0	377.1	207.9	157.0
47.5°	2904.5	3117.5	2753.6	2699.9	2177.8	2036.4	1610.9	1287.8	902.7	459.1	307.5
45°	10300.1	11253.8	9625.4	9388.9	6448.3	4919.6	2990.0	2187.8	1682.4	1075.1	514.8
42.5°	34884.1	35122.8	32338.0	29449.4	21891.8	13592.1	7184.8	3598.9	2589.8	1791.8	1120.8
40°	73445.4	70855.0	66657.8	59254.4	46818.3	29433.3	15188.6	6410.8	3422.5	2496.8	1725.5
37.5°	111549.4	106734.3	99545.4	88242.3	71685.6	48081.9	25244.5	10611.3	4514.9	2976.5	2216.6
35°	138587.4	132388.7	125153.4	110505.7	91766.7	65329.8	36027.1	15411.6	5927.2	3262.1	2517.7
32.5°	146956.9	141358.4	135365.9	121902.5	103107.7	77874.1	46325.6	19960.6	7036.2	3428.4	2656.8
30°	140634.6	136093.1	131653.4	123385.1	106426.5	83849.4	54580.9	26560.6	9031.2	3433.3	2634.2
27.5°	127076.6	123983.4	120874.8	116502.4	104511.0	85400.6	59630.2	31900.0	11701.6	3784.7	2582.0
25°	113479.8	111256.0	109162.4	106552.9	99405.9	84604.2	62665.3	36620.8	13481.4	3618.2	2546.0
22.5°	101274.6	99914.2	98475.2	96985.5	92753.0	81756.0	63540.3	39613.8	17364.8	5302.1	2636.3
20°	91496.7	90549.9	89601.5	88643.1	86448.8	78571.9	64060.2	41797.7	19065.4	5742.5	2621.6
17.5°	83774.2	83121.6	82335.7	81600.3	80345.8	74821.1	63024.7	43481.7	21782.5	7065.0	2781.9
15°	77641.7	77109.0	76452.6	75845.0	75031.5	71211.3	62403.5	44752.3	23907.5	7213.5	2778.3
12.5°	72644.3	72118.1	71483.3	70928.5	70384.6	67755.8	60532.4	45453.4	25537.7	6896.6	2706.6
10°	68540.5	68032.0	67387.3	66871.7	66372.4	64515.1	58947.5	46045.8	26598.9	8984.0	2796.6
7.5°	65183.4	64609.4	63985.0	63383.3	62833.5	61128.3	56805.9	46061.1	27091.5	9960.8	2933.8
5°	62368.4	61771.1	61073.7	60368.2	59791.6	58169.9	54342.4	44868.1	26874.9	9978.0	2810.0
2.5°	60009.2	59326.4	58533.6	57791.6	57121.0	55480.4	51979.9	43065.3	26034.8	9338.0	2579.6
0°	57783.6	57005.9	56141.8	55343.1	54612.7	52847.9	49423.9	40778.0	24706.9	8677.4	2574.8
-2.5°	55674.5	54894.1	53973.8	53089.5	52224.8	50326.0	46956.6	38493.4	23034.9	7890.1	2525.1
-5°	53689.8	52882.2	51935.9	50996.0	49912.7	47876.5	44582.2	36219.2	20975.8	6919.6	2498.2
-7.5°	51760.5	50885.7	49889.4	48852.4	47546.5	45395.8	42163.8	33570.0	18482.2	5923.9	2563.9
-10°	49502.2	48546.2	47497.0	46469.0	45008.7	42727.2	39316.4	30143.8	15624.0	5059.1	2731.6
-12.5°	46928.6	46002.0	44916.2	43882.9	42232.4	39872.8	36089.2	26636.3	12473.8	4090.9	2900.0
-15°	43671.6	42779.8	41684.5	40483.0	38805.0	36735.1	33146.0	22892.3	9662.9	4013.3	2902.7
-17.5°	39302.5	38413.6	37480.0	36375.8	34830.8	32887.5	28420.7	17799.9	7473.4	3556.8	2624.6
-20°	32289.5	31639.8	30954.1	30238.0	29033.9	27530.8	22426.6	11948.2	4581.8	2688.1	2175.8



REPORT NUMBER: P902055 (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°	25095.2	24730.0	24393.6	23889.0	23021.1	21271.7	15714.6	7778.8	3300.8	2052.5	1728.7
-25°	17532.0	17481.0	17426.5	17168.2	16512.6	14540.2	8712.4	3814.7	2009.1	1559.5	1346.9
-27.5°	8186.9	8706.7	8883.9	8904.4	8243.8	6474.6	3976.6	2361.4	1590.4	1283.4	1058.6
-30°	3548.3	3850.7	3998.2	3833.3	3459.9	2687.7	1848.6	1539.6	1229.4	1028.7	813.0
-32.5°	2586.6	2666.7	2572.0	2316.1	1965.9	1584.6	1364.6	1157.4	978.5	734.8	552.6
-35°	2113.7	2100.3	1974.4	1767.7	1508.1	1272.5	1088.4	912.4	699.7	463.9	281.9
-37.5°	1786.5	1735.1	1620.9	1429.4	1224.3	1042.8	860.9	647.4	434.9	237.4	156.4
-40°	1552.4	1452.8	1314.4	1164.7	983.1	799.2	583.1	385.1	213.4	139.6	98.5
-42.5°	1322.7	1202.5	1067.5	887.6	691.7	471.4	313.9	183.9	130.5	97.4	78.2
-45°	1055.0	894.2	726.6	520.7	331.0	221.2	148.3	112.0	91.2	75.9	60.3
-47.5°	641.1	477.0	323.2	226.4	134.9	118.3	96.3	80.8	69.8	60.2	52.9
-50°	268.2	195.7	140.8	120.3	98.1	79.8	67.4	63.0	56.0	50.7	45.6
-52.5°	133.1	117.5	100.8	84.5	66.7	60.0	54.2	51.1	47.8	43.5	39.8
-55°	91.7	81.9	75.0	65.7	57.1	51.3	45.6	43.4	42.1	38.1	34.8
-57.5°	71.3	67.8	63.1	56.2	49.0	43.8	40.4	37.3	35.6	32.8	28.6
-60°	58.3	55.6	51.6	47.9	42.4	37.6	34.1	31.1	29.9	28.1	25.2
-62.5°	50.0	45.7	41.6	38.7	34.5	31.4	28.1	26.4	25.2	23.5	22.0
-65°	40.6	37.5	34.4	31.1	27.7	26.0	24.2	22.9	21.6	20.3	19.4
-67.5°	32.3	29.1	26.6	25.2	23.3	21.7	20.5	19.7	19.1	18.5	17.7
-70°	27.1	25.0	22.7	21.5	20.7	19.1	18.4	17.8	16.7	15.7	14.6
-72.5°	23.8	22.0	20.7	19.0	17.9	16.4	15.9	15.2	14.0	12.9	11.4
-75°	18.4	17.8	17.0	15.5	14.5	13.6	13.0	12.6	12.0	10.5	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: P902055 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MNB-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	4.6	7.3	6.7	6.1	4.7	4.1
85°	4.9	4.8	4.6	4.6	8.6	9.3	13.8	13.3	12.1	9.3	8.2
82.5°	6.5	6.9	6.1	6.8	11.3	14.1	18.2	18.9	15.7	12.9	11.9
80°	8.9	9.6	8.1	11.3	16.8	21.0	24.9	24.7	19.1	16.0	14.7
77.5°	12.1	12.7	12.5	16.4	23.4	29.1	33.5	32.0	25.0	19.8	17.5
75°	15.5	15.6	16.1	22.0	31.2	38.6	43.1	39.7	31.4	25.0	21.6
72.5°	20.2	19.5	20.5	28.1	40.3	49.4	53.2	48.6	38.7	30.3	26.3
70°	25.0	23.7	28.1	40.4	52.0	61.5	64.6	57.4	46.6	37.1	31.0
67.5°	31.6	28.4	37.2	53.5	66.3	76.2	76.7	66.3	54.3	44.0	36.6
65°	40.1	37.2	50.5	66.8	82.2	92.5	91.4	75.6	61.9	50.7	42.0
62.5°	50.1	52.7	69.6	88.3	102.0	109.9	105.4	86.9	70.1	57.5	47.2
60°	59.7	71.5	96.2	116.1	128.0	129.4	117.9	98.9	81.3	64.1	53.2
57.5°	74.6	95.6	127.2	151.2	162.4	153.0	132.5	111.1	92.3	73.5	59.0
55°	108.2	149.3	173.2	190.6	203.4	181.7	150.6	123.2	103.0	83.4	64.5
52.5°	163.3	216.7	248.2	247.9	237.8	210.2	170.3	140.3	113.4	93.0	72.1
50°	249.5	305.0	336.1	336.1	276.6	235.0	193.9	156.8	124.8	102.4	79.5
47.5°	369.4	429.2	441.9	427.0	339.3	258.6	216.3	174.8	138.6	111.4	86.4
45°	577.7	591.9	584.8	490.5	393.7	300.5	237.4	192.7	151.2	119.2	93.1
42.5°	851.3	781.9	735.4	581.0	443.7	346.2	256.1	209.3	164.3	128.6	99.8
40°	1249.7	981.1	815.1	664.3	498.8	388.0	289.4	224.1	177.3	137.2	105.9
37.5°	1574.8	1164.2	899.3	724.4	564.8	422.8	319.9	237.5	188.9	145.1	111.6
35°	1884.7	1319.9	974.1	777.2	620.0	454.7	346.4	254.2	199.4	153.8	117.5
32.5°	2122.6	1534.7	1093.1	831.3	655.3	493.5	369.3	275.3	208.6	162.4	123.0
30°	2305.7	1729.2	1186.1	870.1	684.5	525.8	388.8	293.9	217.1	169.8	127.4
27.5°	2311.7	1856.3	1307.0	923.1	711.6	551.3	409.2	310.2	224.8	175.4	131.0
25°	2288.2	1945.0	1399.5	967.8	730.2	576.0	432.4	324.7	235.9	179.5	134.0
22.5°	2257.4	1959.4	1461.5	992.1	743.4	596.0	451.1	336.8	245.1	182.6	136.5
20°	2216.1	1939.2	1505.1	1043.1	758.5	611.9	464.9	345.6	253.0	184.3	138.7
17.5°	2174.2	1922.6	1528.4	1068.6	770.4	617.6	475.8	351.8	259.1	184.9	140.0
15°	2144.6	1887.0	1534.1	1072.2	769.7	618.1	484.8	356.4	262.8	184.6	141.4
12.5°	2110.1	1848.6	1512.0	1062.8	758.5	614.4	490.9	360.5	264.5	185.3	143.4
10°	2077.2	1818.0	1490.8	1058.5	744.6	609.4	493.9	363.1	267.5	186.4	144.8
7.5°	2052.7	1793.2	1476.3	1048.2	736.0	601.3	496.1	365.4	269.2	186.8	145.7
5°	2036.7	1771.5	1460.9	1034.2	725.2	590.3	495.2	364.9	269.8	187.5	146.5
2.5°	2005.7	1747.9	1438.6	1010.7	708.8	575.8	486.6	361.6	269.5	187.8	146.8
0°	1974.1	1714.7	1401.2	977.5	687.6	558.8	474.2	355.9	267.6	187.5	146.5
-2.5°	1947.5	1678.6	1351.0	938.5	664.5	544.3	462.8	350.7	264.4	185.8	145.0
-5°	1958.6	1657.3	1297.0	892.1	637.8	529.1	449.0	343.6	259.8	183.5	142.8
-7.5°	2022.1	1656.5	1240.4	839.6	608.6	515.0	433.4	334.6	253.8	180.4	140.0
-10°	2125.2	1657.8	1177.3	782.4	581.1	499.4	416.2	324.1	246.6	176.3	137.1
-12.5°	2199.2	1629.8	1093.0	717.9	560.4	482.3	399.2	312.6	238.2	171.7	133.9
-15°	2177.7	1539.8	977.0	672.2	539.3	464.8	381.0	299.9	229.4	167.3	130.4
-17.5°	2023.2	1372.7	880.4	626.6	515.3	445.6	361.2	286.9	219.7	163.1	126.7
-20°	1717.3	1163.6	774.5	576.5	488.9	421.9	341.8	273.5	209.1	158.0	122.7



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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°	1343.6	930.5	660.8	524.2	462.0	394.4	323.0	259.6	197.4	152.4	118.4
-25°	1030.1	741.1	580.4	490.3	433.0	367.0	303.9	245.3	184.9	146.5	114.0
-27.5°	805.4	622.1	518.3	458.1	402.0	339.1	283.5	230.3	174.2	140.7	109.3
-30°	623.5	520.8	468.4	427.8	371.0	314.5	263.5	213.7	166.6	134.4	104.1
-32.5°	473.7	432.6	438.0	391.8	340.9	291.5	243.9	195.9	158.4	127.6	98.6
-35°	331.1	340.9	370.3	352.6	312.1	268.6	224.1	177.6	148.4	120.4	92.8
-37.5°	221.9	268.2	297.9	308.0	284.6	246.7	204.0	163.9	138.3	113.0	87.0
-40°	151.8	201.7	236.9	257.2	258.8	224.4	184.5	152.5	127.4	104.4	81.8
-42.5°	91.5	147.5	188.3	215.1	223.5	201.9	166.0	140.6	116.1	95.9	76.2
-45°	60.5	106.1	147.7	176.3	189.2	179.7	152.6	128.5	105.5	87.8	70.4
-47.5°	51.5	73.5	113.2	141.4	158.5	154.9	138.5	116.2	96.1	80.4	64.0
-50°	41.2	50.7	84.9	111.7	128.4	134.6	124.1	104.4	86.5	72.9	57.6
-52.5°	37.2	40.8	62.1	87.4	105.4	115.7	108.9	93.2	78.4	65.7	51.2
-55°	32.0	31.0	44.2	68.7	86.4	96.6	93.6	81.6	70.8	58.6	45.1
-57.5°	27.1	24.3	34.2	54.1	70.2	79.9	80.4	73.3	63.0	51.4	41.7
-60°	23.2	21.4	27.6	42.0	56.6	67.2	70.5	65.4	55.0	44.7	38.1
-62.5°	20.3	19.3	22.0	32.7	45.7	56.8	62.4	56.9	47.1	40.5	34.5
-65°	18.7	17.8	17.0	26.1	36.9	47.7	53.5	48.0	41.7	36.3	31.4
-67.5°	16.4	15.0	14.1	20.5	29.8	38.9	44.2	41.5	36.9	32.4	28.3
-70°	13.4	13.0	12.7	16.1	22.7	30.8	36.5	35.6	32.2	28.8	25.0
-72.5°	10.6	11.1	11.4	12.6	17.4	24.7	29.6	30.1	27.5	25.0	21.1
-75°	9.2	9.0	9.2	9.6	13.5	19.6	24.6	25.0	22.7	20.5	17.1
-77.5°	6.2	6.0	6.9	7.0	9.1	15.1	19.8	20.3	18.1	15.9	13.6
-80°	4.3	4.3	5.6	5.2	5.8	10.9	15.2	15.5	13.9	12.4	10.9
-82.5°	2.8	2.7	4.1	3.9	4.0	7.2	10.9	11.5	10.5	9.3	8.2
-85°	1.2	1.2	2.7	2.6	2.5	4.6	6.7	7.7	7.0	6.2	5.5
-87.5°	0.0	0.0	1.4	1.3	1.2	2.3	3.2	3.9	3.5	3.1	2.7
-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°	4.1	2.9	2.4	1.8	1.2	0.6	0.0
85°	8.2	5.9	4.7	3.6	2.4	1.2	0.0
82.5°	12.2	8.8	7.1	5.3	3.6	1.8	0.0
80°	14.6	11.5	9.4	7.1	4.7	2.4	0.0
77.5°	16.9	13.4	11.5	8.8	5.9	2.9	0.0
75°	19.1	15.3	13.0	10.6	7.0	3.5	0.0
72.5°	22.5	17.2	14.5	11.8	8.2	4.1	0.0
70°	26.3	19.7	16.0	12.9	9.3	4.6	0.0
67.5°	30.0	22.7	17.5	14.1	10.4	5.1	0.0
65°	33.8	25.6	19.3	15.1	11.3	5.7	0.0
62.5°	37.9	28.4	21.5	16.2	12.0	6.2	0.0
60°	41.8	31.4	23.5	17.3	12.7	6.7	0.0
57.5°	45.6	34.9	25.6	18.3	13.4	7.1	0.0
55°	50.3	38.5	27.6	19.8	14.1	7.6	0.0
52.5°	54.8	42.0	29.7	21.2	14.7	8.0	0.0
50°	58.8	45.5	32.5	22.6	15.3	8.4	0.0
47.5°	62.7	48.5	35.1	24.0	15.9	8.8	0.0
45°	68.4	51.4	37.7	25.3	16.5	9.2	0.0
42.5°	74.0	54.1	40.2	26.5	17.0	9.5	0.0
40°	79.3	56.8	42.6	27.7	17.6	9.8	0.0
37.5°	83.8	59.3	44.8	28.8	18.1	10.1	0.0
35°	87.6	62.4	46.8	30.2	18.7	10.3	0.0
32.5°	90.8	65.6	48.6	31.7	19.4	10.5	0.0
30°	93.5	68.5	50.2	33.1	20.0	10.7	0.0
27.5°	96.2	71.1	51.8	34.4	20.6	10.8	0.0
25°	98.5	73.4	53.2	35.6	21.1	11.0	0.0
22.5°	100.2	75.4	54.5	36.7	21.6	11.1	0.0
20°	101.7	77.0	55.7	37.7	22.0	11.2	0.0
17.5°	103.5	78.4	56.7	38.3	22.4	11.3	0.0
15°	105.1	79.5	57.6	38.8	22.7	11.4	0.0
12.5°	106.4	80.3	57.9	39.1	23.0	11.4	0.0
10°	107.2	80.7	57.9	39.3	23.2	11.4	0.0
7.5°	108.0	80.7	57.7	39.3	23.4	11.5	0.0
5°	108.5	80.6	57.4	39.2	23.5	11.5	0.0
2.5°	108.6	80.2	57.0	39.0	23.6	11.4	0.0
0°	108.4	79.6	56.4	38.7	23.7	11.4	0.0
-2.5°	106.9	79.0	55.7	38.4	23.5	11.4	0.0
-5°	105.1	78.2	54.9	38.0	23.4	11.3	0.0
-7.5°	103.0	77.1	53.9	37.6	23.2	11.3	0.0
-10°	100.7	75.8	52.9	37.0	22.9	11.2	0.0
-12.5°	98.7	74.3	51.7	36.4	22.7	11.1	0.0
-15°	96.3	72.3	50.4	35.7	22.3	11.0	0.0
-17.5°	93.4	70.0	48.7	34.8	22.0	10.8	0.0
-20°	90.2	67.3	47.1	33.9	21.6	10.7	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	87.5	64.4	45.3	33.0	21.1	10.5	0.0
-25°	84.6	61.4	43.5	32.0	20.7	10.3	0.0
-27.5°	81.4	58.4	41.7	31.0	20.2	10.1	0.0
-30°	77.8	55.1	39.9	30.0	19.7	9.9	0.0
-32.5°	74.0	51.7	38.6	29.0	19.2	9.6	0.0
-35°	70.0	48.0	37.3	28.0	18.6	9.3	0.0
-37.5°	65.7	45.0	36.0	27.0	18.0	9.0	0.0
-40°	61.2	43.3	34.8	26.1	17.4	8.7	0.0
-42.5°	56.5	41.5	33.5	25.1	16.8	8.4	0.0
-45°	51.5	39.4	32.1	24.1	16.1	8.0	0.0
-47.5°	46.3	37.2	30.7	23.0	15.4	7.7	0.0
-50°	43.4	34.8	29.0	21.9	14.6	7.3	0.0
-52.5°	41.1	32.7	27.3	20.7	13.8	6.9	0.0
-55°	38.8	30.8	25.5	19.5	13.0	6.5	0.0
-57.5°	36.2	28.7	23.7	18.3	12.2	6.1	0.0
-60°	33.0	26.5	21.8	17.0	11.4	5.7	0.0
-62.5°	29.9	24.3	19.9	15.7	10.5	5.3	0.0
-65°	26.9	22.1	18.0	14.4	9.6	4.8	0.0
-67.5°	23.9	19.8	16.2	13.0	8.7	4.4	0.0
-70°	20.8	17.5	14.5	11.6	7.8	3.9	0.0
-72.5°	17.5	15.4	12.9	10.2	6.8	3.4	0.0
-75°	14.4	13.5	11.3	8.8	5.9	2.9	0.0
-77.5°	12.0	11.6	9.7	7.4	4.9	2.5	0.0
-80°	9.6	9.7	7.9	5.9	3.9	2.0	0.0
-82.5°	7.2	7.4	5.9	4.4	3.0	1.5	0.0
-85°	4.7	4.9	3.9	3.0	2.0	1.0	0.0
-87.5°	2.4	2.5	2.0	1.5	1.0	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)