

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: P902067 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/13/2024

Test Information

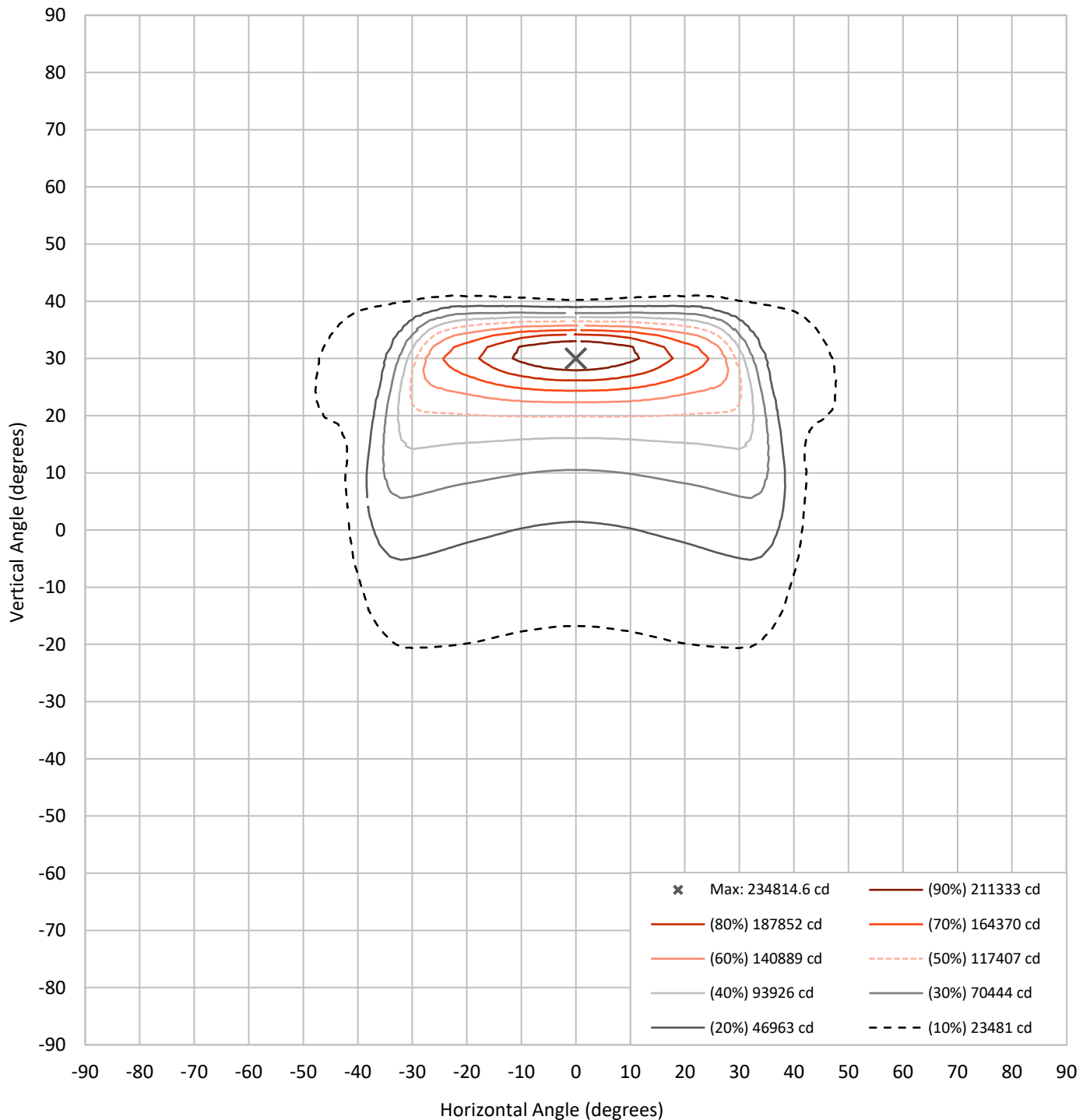
Test Method: LM-79-08
Report Number: P902067 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVM2J47300)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A35-NWB-LO
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A35-NWB-LO OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	117443 lumens	Max Intensity:	234814.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	83.1 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	58.6°H x 16.6°V	Field Angle (10%):	94.4°H x 56.9°V
Beam Lumens:	44510.4 lumens	Field Lumens:	104911.6 lumens
Beam Efficiency:	37.9%	Field Efficiency:	89.3%
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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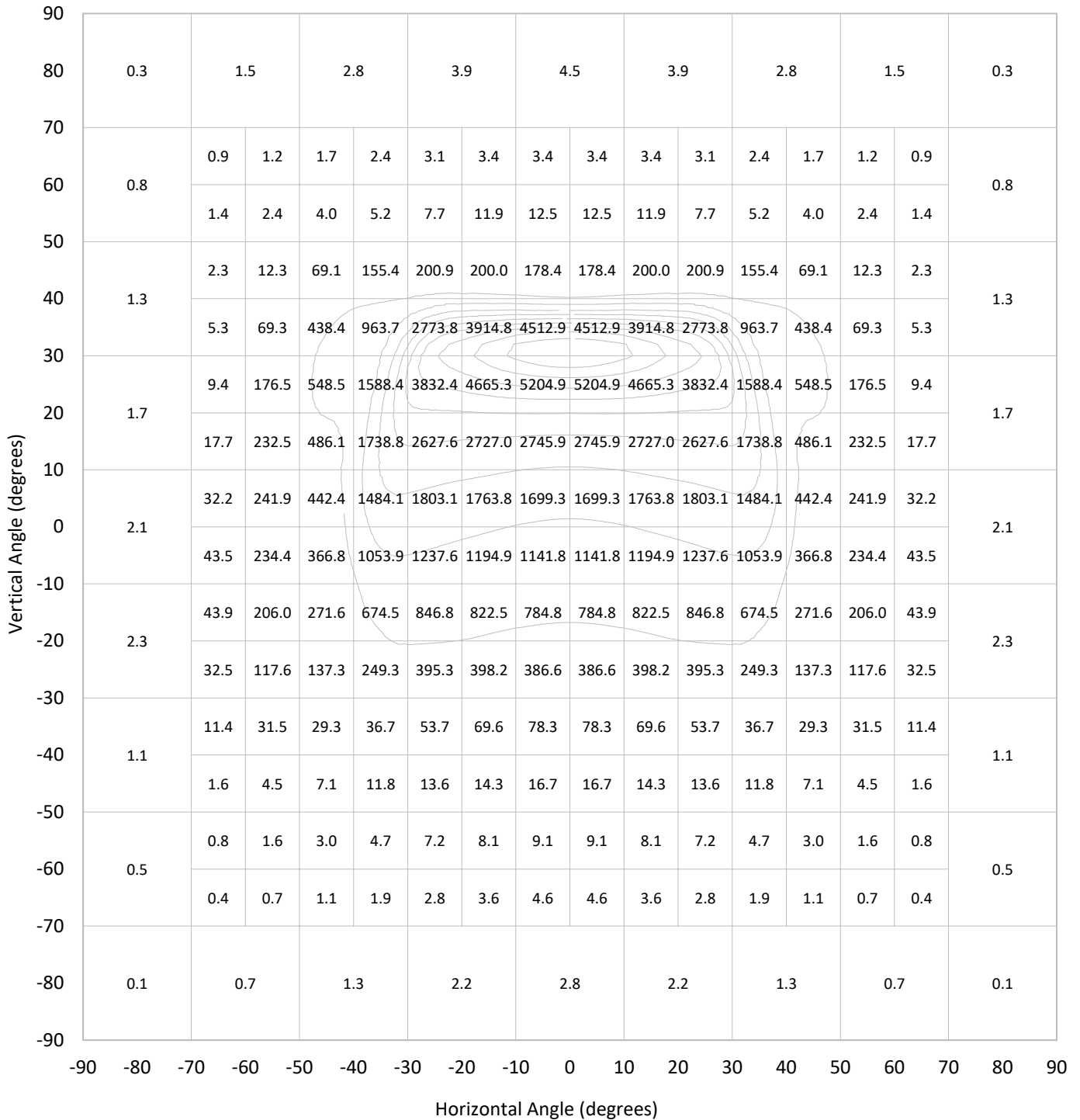
Iso-Candela Plot





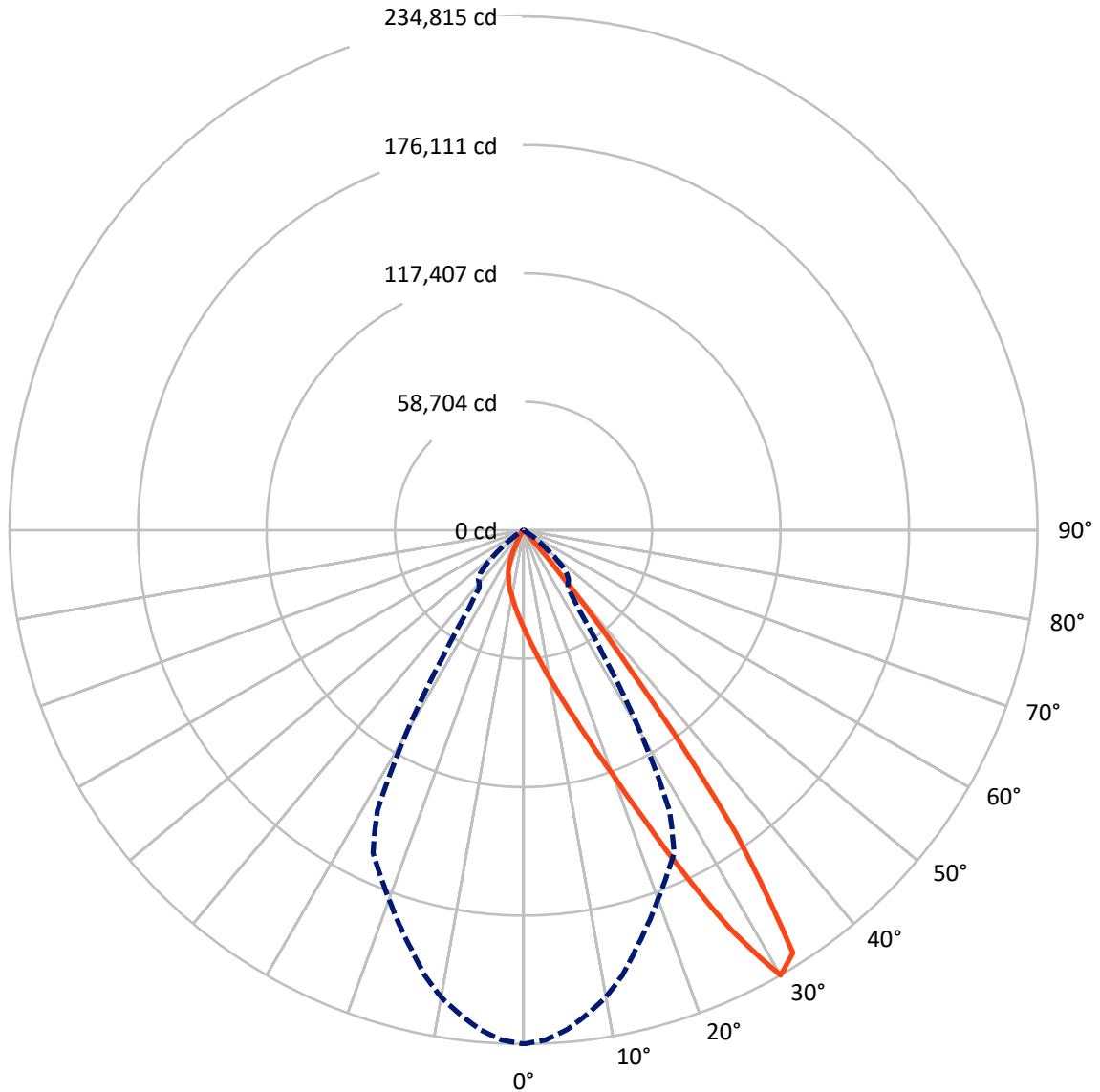
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Lumen Table



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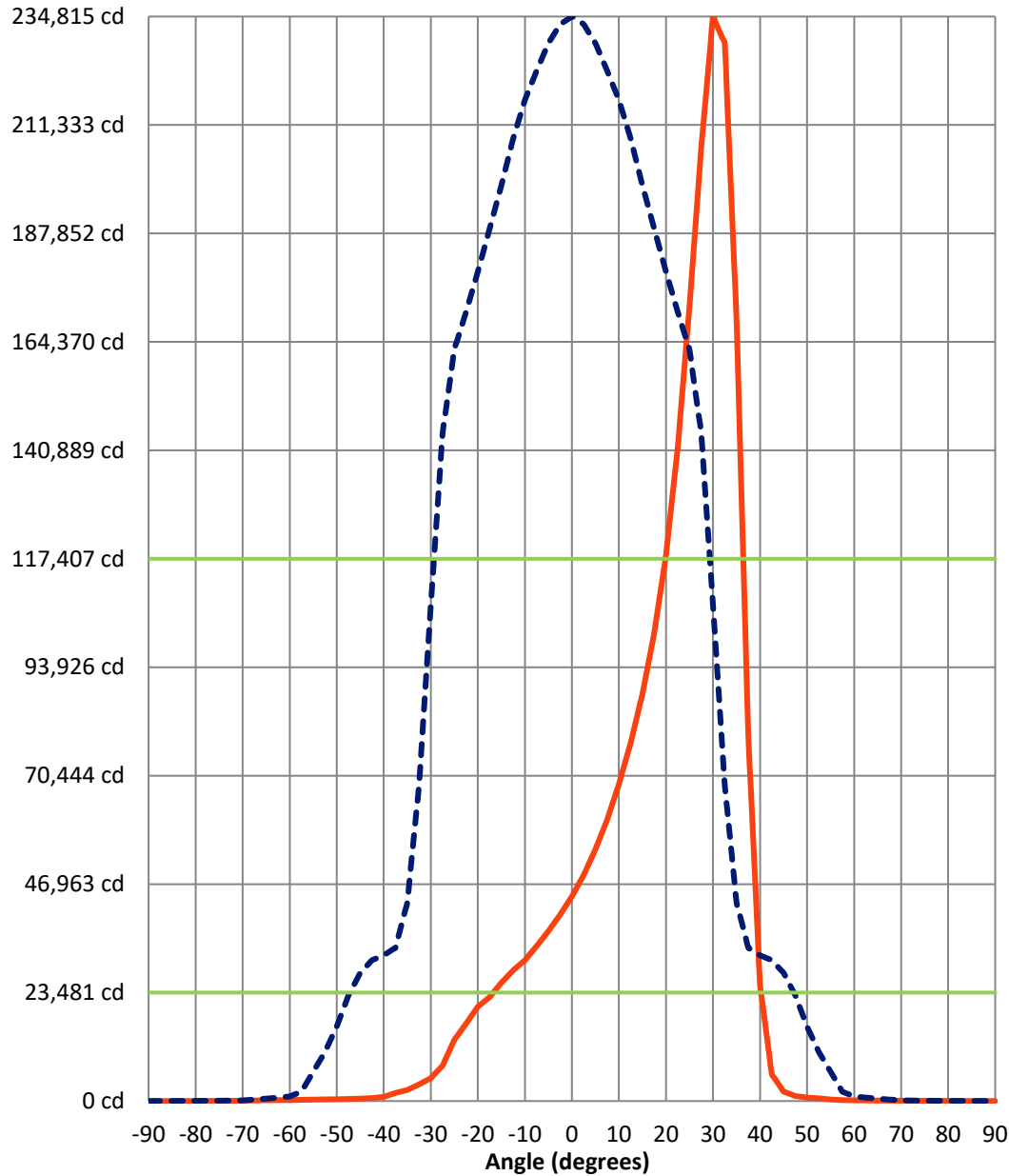
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 30-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 58.6°
 V Angle: 16.6°
 Lumens: 44510.4
 Efficiency: 37.9%

Field:
 H Angle: 94.4°
 V Angle: 56.9°
 Lumens: 104911.6
 Efficiency: 89.3%

Spill:
 Lumens: 12531.5
 Efficiency: 10.7%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 30-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	3.9	4.1	4.8	5.4	6.1	6.7
85°	0.0	1.2	2.4	3.6	4.7	7.9	8.2	9.5	10.8	12.1	13.0
82.5°	0.0	1.8	3.6	5.3	7.1	11.7	12.4	14.5	15.3	16.6	16.1
80°	0.0	2.4	4.7	7.1	9.4	14.9	15.4	19.7	19.5	20.9	20.7
77.5°	0.0	2.9	5.9	8.8	11.7	16.8	18.3	24.6	24.7	26.9	30.5
75°	0.0	3.5	7.0	10.6	14.0	18.7	21.1	28.7	31.3	33.4	38.3
72.5°	0.0	4.1	8.2	12.3	16.3	20.7	24.7	32.4	37.5	39.5	42.4
70°	0.0	4.7	9.3	13.9	18.6	23.1	28.4	36.2	42.5	45.4	48.0
67.5°	0.0	5.2	10.4	15.6	20.8	25.9	31.9	39.7	47.1	51.7	56.2
65°	0.0	5.8	11.4	17.2	22.9	28.7	35.2	43.1	51.6	57.7	64.5
62.5°	0.0	6.3	12.4	18.8	24.8	31.3	38.1	46.3	56.2	63.5	73.3
60°	0.0	6.8	13.3	20.4	26.7	34.0	41.0	51.1	60.9	71.2	82.7
57.5°	0.0	7.3	14.1	21.9	28.5	36.5	43.8	56.1	66.7	78.4	94.2
55°	0.0	7.8	14.8	22.9	30.1	39.0	48.0	61.0	72.7	86.9	104.5
52.5°	0.0	8.3	15.4	23.7	31.7	41.4	51.9	65.3	78.5	95.8	121.3
50°	0.0	8.8	16.0	24.5	33.6	43.7	55.1	69.1	85.1	106.3	138.2
47.5°	0.0	9.2	16.5	25.1	35.5	45.9	57.7	72.2	90.7	118.3	152.4
45°	0.0	9.6	16.8	25.7	36.9	48.1	60.7	75.5	95.2	128.8	164.7
42.5°	0.0	10.0	17.1	26.1	38.2	50.1	64.0	80.2	103.8	138.8	176.2
40°	0.0	10.4	17.3	26.6	39.3	52.1	67.7	84.8	112.0	149.0	217.5
37.5°	0.0	10.8	17.5	27.4	40.2	54.0	71.4	89.2	119.6	158.4	303.0
35°	0.0	11.0	17.8	28.5	41.2	56.5	74.7	94.6	126.8	194.1	420.7
32.5°	0.0	11.2	18.1	29.6	42.4	58.9	77.1	99.9	133.5	261.1	475.3
30°	0.0	11.4	18.5	30.6	43.6	60.9	79.0	104.9	139.3	328.8	530.9
27.5°	0.0	11.5	19.2	31.6	45.0	62.4	80.6	110.1	145.0	396.2	579.5
25°	0.0	11.6	19.8	32.4	46.3	63.5	82.3	115.3	154.1	435.7	606.9
22.5°	0.0	11.8	20.3	33.2	47.3	64.4	84.2	118.4	169.9	404.4	616.4
20°	0.0	11.9	20.8	33.8	48.1	65.6	86.6	120.8	172.1	387.6	615.9
17.5°	0.0	12.0	21.3	34.3	48.6	66.8	89.3	122.9	179.1	397.0	613.3
15°	0.0	12.0	21.7	34.8	48.9	68.0	91.7	125.2	184.0	423.9	650.2
12.5°	0.0	12.1	22.0	35.1	49.5	69.2	93.7	127.3	186.6	443.5	755.9
10°	0.0	12.2	22.3	35.4	50.0	70.2	95.3	128.6	187.1	472.8	890.8
7.5°	0.0	12.2	22.5	35.6	50.4	71.0	96.6	129.7	186.0	506.5	1072.5
5°	0.0	12.2	22.6	35.8	50.8	71.5	97.6	132.9	186.4	551.1	1263.3
2.5°	0.0	12.3	22.7	35.9	50.9	71.8	98.1	135.9	186.6	608.7	1492.2
0°	0.0	12.3	22.8	35.9	51.0	72.0	98.3	138.3	185.7	659.9	1700.1
-2.5°	0.0	12.1	22.7	35.9	50.9	71.9	98.8	142.6	270.6	749.1	1926.9
-5°	0.0	11.9	22.6	35.8	50.8	71.7	99.0	146.0	349.8	821.7	2107.9
-7.5°	0.0	11.7	22.5	35.6	50.4	71.2	98.7	148.2	414.0	910.0	2280.2
-10°	0.0	11.4	22.3	35.4	50.0	70.4	98.1	150.2	451.0	997.2	2401.5
-12.5°	0.0	11.2	22.0	35.1	49.5	69.4	97.0	151.0	472.1	1067.3	2437.6
-15°	0.0	10.9	21.7	34.8	48.8	68.1	95.2	150.0	490.4	1171.3	2403.6
-17.5°	0.0	10.6	21.3	34.3	48.0	66.7	92.5	146.0	496.6	1255.2	2404.2
-20°	0.0	10.3	20.8	33.9	47.1	65.2	88.8	138.7	460.5	1312.7	2414.2



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

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	10.0	20.3	33.3	46.1	63.6	85.7	128.8	367.7	1314.9	2409.0
-25°	0.0	9.7	19.8	32.7	45.0	61.5	82.8	120.0	227.2	1252.4	2275.4
-27.5°	0.0	9.3	19.2	32.1	43.7	59.1	79.6	110.9	186.3	977.8	2069.6
-30°	0.0	8.9	18.5	31.3	42.3	56.6	75.8	102.3	163.0	702.5	1638.0
-32.5°	0.0	8.5	17.8	30.6	40.4	53.9	71.8	94.2	136.9	456.6	1137.0
-35°	0.0	8.0	17.0	29.7	38.3	51.0	67.9	86.6	111.4	238.6	652.4
-37.5°	0.0	7.5	16.2	28.7	36.2	48.3	64.3	80.1	94.2	139.1	338.5
-40°	0.0	7.1	15.5	27.4	34.3	45.8	60.9	74.7	86.8	113.1	189.6
-42.5°	0.0	6.7	14.7	25.9	32.3	43.2	56.8	69.4	80.1	93.4	119.9
-45°	0.0	6.3	13.9	24.2	30.1	40.4	52.1	64.0	74.0	80.5	102.0
-47.5°	0.0	5.8	13.0	22.5	27.9	37.6	47.2	57.7	66.9	73.3	86.8
-50°	0.0	5.4	12.1	20.9	25.9	34.6	43.1	51.3	59.7	65.4	74.9
-52.5°	0.0	5.0	11.2	19.4	24.1	32.3	39.3	45.0	53.1	58.8	65.7
-55°	0.0	4.6	10.2	17.9	22.7	29.7	35.9	39.1	47.5	52.6	56.5
-57.5°	0.0	4.3	9.2	16.5	21.3	27.0	32.8	36.5	42.2	46.4	49.9
-60°	0.0	3.9	8.2	15.0	20.0	24.2	29.7	34.3	37.5	40.7	43.8
-62.5°	0.0	3.5	7.2	13.4	18.6	21.8	26.6	31.8	33.7	35.2	37.2
-65°	0.0	3.2	6.1	11.8	17.2	19.6	23.3	28.0	30.3	31.4	30.9
-67.5°	0.0	2.8	5.3	10.2	15.4	17.2	20.4	24.6	27.0	28.2	27.2
-70°	0.0	2.5	4.7	8.5	13.2	14.8	17.6	21.4	23.1	23.7	24.5
-72.5°	0.0	2.2	4.1	6.9	10.9	12.5	14.8	18.1	19.1	18.1	19.9
-75°	0.0	1.8	3.6	5.3	8.6	10.2	12.1	14.8	16.2	13.4	14.2
-77.5°	0.0	1.5	3.0	4.5	6.3	8.1	9.9	11.3	13.5	10.4	10.7
-80°	0.0	1.2	2.4	3.6	4.8	6.1	7.6	7.4	9.5	7.4	7.9
-82.5°	0.0	0.9	1.8	2.7	3.6	4.5	5.3	3.3	4.8	4.3	5.0
-85°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	1.4	1.5	1.7	2.1
-87.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	0.7	0.8	0.9	1.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902067 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NWB-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°	7.3	7.9	8.5	9.1	5.6	5.9	6.2	4.9	5.1	5.3	7.2
85°	13.5	14.1	14.6	15.1	13.1	13.9	14.8	13.9	11.7	12.1	12.6
82.5°	16.7	17.5	18.3	19.3	20.2	21.2	22.1	21.3	21.2	22.3	25.0
80°	23.3	24.0	25.6	25.0	25.7	27.0	28.2	28.6	29.9	31.2	31.0
77.5°	33.1	31.3	30.7	30.0	31.2	32.8	33.2	33.5	36.2	38.4	38.3
75°	40.0	37.1	34.1	34.8	34.9	34.2	34.9	37.1	40.3	43.7	46.7
72.5°	45.4	45.9	42.2	39.9	39.2	39.8	42.4	45.5	48.3	52.3	55.5
70°	54.4	57.1	51.9	44.8	43.8	48.1	52.3	56.4	60.2	60.7	63.8
67.5°	63.5	68.8	63.0	52.6	53.0	57.5	61.1	68.8	71.9	71.5	78.8
65°	73.3	82.1	76.6	62.9	60.9	64.4	69.8	76.0	79.4	84.7	91.8
62.5°	84.3	98.5	93.3	76.4	69.5	74.7	81.4	86.6	92.1	99.6	108.5
60°	98.5	114.8	115.6	95.9	81.1	86.8	92.8	101.1	109.2	121.3	129.5
57.5°	113.6	131.9	139.8	120.3	93.1	101.7	107.5	121.8	141.9	154.3	153.7
55°	131.2	150.7	165.9	136.5	109.4	118.0	131.7	155.8	188.1	187.1	184.1
52.5°	149.7	171.9	170.8	148.7	128.8	138.9	171.2	230.2	259.2	247.2	235.1
50°	167.2	181.8	176.6	159.6	188.7	237.4	258.9	433.6	408.1	507.3	419.8
47.5°	183.2	190.3	185.5	289.7	388.8	623.8	714.5	847.2	844.1	1023.9	1082.3
45°	195.7	213.9	271.9	534.5	870.6	1195.8	1416.5	1552.7	2255.4	2951.1	2973.8
42.5°	209.2	320.6	505.4	863.4	1458.5	1999.4	2563.7	4303.1	6770.0	8602.9	9773.1
40°	319.4	505.1	698.4	1085.8	2123.2	3371.0	5752.5	9629.9	14255.7	18331.0	19970.9
37.5°	443.2	615.1	826.1	1674.6	3579.4	5947.8	10068.9	16253.8	22480.6	25795.5	27909.9
35°	559.3	722.7	986.2	2265.1	5532.0	9184.5	15455.7	22520.4	27576.8	30456.8	32472.6
32.5°	656.2	862.1	1516.5	4248.0	8250.7	13011.9	19741.5	26193.4	30282.4	32383.0	33827.3
30°	747.5	997.4	2035.0	6350.2	10628.3	16144.7	22886.0	27750.6	30497.1	31553.8	33228.0
27.5°	813.1	1275.9	3312.8	8225.4	12806.1	18241.5	23834.3	27533.9	29251.6	29907.0	33574.1
25°	870.1	1650.7	4870.7	9963.6	14364.5	19697.2	24172.8	26847.0	27598.9	27971.1	33920.7
22.5°	910.1	2028.3	6283.5	11643.8	15483.4	20291.0	23720.7	25439.1	25821.9	27669.2	37854.4
20°	961.2	2505.0	7617.0	12529.2	16324.7	20375.9	22998.0	24060.6	24154.9	26781.7	40840.8
17.5°	1141.7	3629.8	8858.8	13144.8	16829.9	20290.6	22234.1	22749.3	23083.6	28604.4	45855.2
15°	1506.4	4702.3	9885.6	13542.9	17051.0	19839.4	21240.5	21539.0	21983.8	29525.6	48813.7
12.5°	1953.5	5665.4	10666.7	13772.4	16939.8	19272.0	20340.7	20490.6	21132.4	31472.8	52328.5
10°	2403.3	6537.2	11187.4	13934.3	16769.2	18733.9	19512.2	19537.9	21699.9	33204.7	54130.4
7.5°	2914.1	7276.6	11366.1	14025.1	16581.3	18204.8	18717.5	18658.8	21610.9	33702.9	54263.1
5°	3402.7	7876.7	11512.7	14118.5	16370.0	17676.5	17908.7	17786.6	20988.9	33181.1	52501.4
2.5°	3922.2	8350.0	11650.6	14165.2	16138.6	17141.9	17147.5	16939.0	20017.4	31905.3	49621.6
0°	4386.9	8695.6	11762.7	14177.4	15884.8	16608.4	16440.5	16186.1	19055.3	30386.2	45885.1
-2.5°	4795.6	8901.0	11843.4	14123.2	15573.1	16092.8	15833.0	15532.4	18089.7	28541.9	41992.0
-5°	5111.7	8992.7	11854.1	13998.5	15225.6	15552.7	15253.4	14914.4	16940.7	26322.9	38124.6
-7.5°	5280.8	8951.0	11804.2	13827.5	14840.2	15003.5	14675.2	14305.3	15646.7	23719.6	34329.3
-10°	5353.5	8854.1	11707.0	13627.2	14436.0	14470.5	14084.3	13674.9	14274.0	20584.4	30632.3
-12.5°	5267.5	8700.1	11476.8	13426.6	14130.5	13986.6	13572.4	13186.1	13027.1	17230.3	27339.5
-15°	5066.2	8255.7	11044.6	12950.8	13525.5	13418.1	12913.0	12553.9	12359.9	14457.3	24081.9
-17.5°	4571.3	7632.0	10079.4	11707.7	12317.8	12050.4	11702.1	11184.5	11006.8	12170.3	18825.9
-20°	4199.7	6684.6	8770.1	10172.3	10489.8	10268.1	9785.8	9377.8	9051.8	9140.3	12416.5



REPORT NUMBER: P902067 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NWB-LO

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	3907.5	5843.4	7540.1	8615.0	8807.4	8464.8	8093.4	7739.7	7473.1	7475.7	8749.4
-25°	3642.3	5097.2	6447.1	7125.0	7216.5	6926.4	6575.8	6327.5	6152.8	6081.5	6219.9
-27.5°	3161.0	4417.7	5242.4	5662.7	5626.6	5372.8	5047.8	4823.2	4772.7	4790.7	4866.6
-30°	2645.2	3476.4	4088.6	4139.1	4040.6	3780.0	3449.6	3242.1	3247.8	3346.6	3450.3
-32.5°	1951.3	2543.3	2794.3	2758.3	2514.7	2332.5	2079.4	1859.5	1753.1	1833.4	1921.3
-35°	1220.4	1601.7	1619.0	1596.7	1451.6	1275.4	1062.2	926.5	913.4	971.1	1028.2
-37.5°	655.0	918.9	952.0	880.1	755.6	704.4	629.2	566.1	561.4	604.5	655.9
-40°	347.0	528.8	489.8	506.3	485.0	454.2	431.3	430.9	454.2	502.2	546.3
-42.5°	141.0	286.5	292.2	333.1	345.6	352.3	361.7	376.9	406.7	453.4	500.4
-45°	120.2	152.2	173.7	239.3	274.6	292.7	307.5	327.6	356.9	407.4	451.7
-47.5°	101.4	118.3	129.2	165.7	206.6	227.0	233.8	243.8	304.1	359.3	405.8
-50°	86.2	99.0	110.3	125.6	158.9	177.3	184.4	192.0	206.0	283.7	278.1
-52.5°	71.8	82.0	92.0	106.5	124.1	143.9	155.7	164.4	164.3	158.4	178.1
-55°	61.5	68.5	74.1	87.7	100.7	116.7	129.8	141.9	144.9	143.9	145.6
-57.5°	53.5	58.1	63.2	68.5	78.0	91.9	104.5	117.4	126.6	132.9	138.9
-60°	47.5	51.6	53.5	56.1	57.7	66.9	78.3	89.7	100.1	111.3	125.0
-62.5°	43.1	45.7	47.7	47.3	47.4	50.2	52.1	62.8	71.0	80.5	94.0
-65°	37.0	39.0	39.9	40.4	39.1	42.6	42.7	45.1	46.3	53.7	61.0
-67.5°	30.6	33.4	32.3	34.6	33.1	35.3	35.4	38.7	40.4	39.4	42.2
-70°	26.3	28.1	27.7	29.7	29.1	30.3	29.4	30.9	32.1	30.9	33.5
-72.5°	21.5	22.6	23.6	26.2	25.9	25.1	24.9	24.7	26.1	25.5	26.2
-75°	16.4	17.9	20.0	21.8	20.5	19.4	20.2	21.0	21.9	23.4	23.8
-77.5°	12.0	13.5	15.2	16.8	14.7	14.6	15.7	16.8	17.0	17.4	16.7
-80°	8.9	9.9	11.0	11.9	9.9	10.2	11.1	12.0	12.8	13.6	12.8
-82.5°	5.8	6.6	7.4	8.1	5.5	5.8	6.5	7.2	7.8	8.4	7.3
-85°	2.6	3.2	3.7	4.2	2.8	2.9	3.0	3.2	3.3	3.4	1.8
-87.5°	1.0	1.1	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.7	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°	5.7	5.9	6.1	6.3	6.5	6.6	6.8	6.9	7.0	7.1	7.2
85°	13.2	13.9	13.9	14.3	14.6	15.0	15.2	15.5	15.7	15.9	16.1
82.5°	24.4	24.9	22.9	22.5	22.9	23.4	23.8	24.2	24.5	24.8	26.3
80°	31.5	32.4	33.3	31.0	31.1	31.8	32.4	34.1	34.8	32.4	32.5
77.5°	39.2	40.6	41.9	39.5	39.4	40.2	42.2	44.8	42.7	43.0	45.2
75°	48.7	50.5	51.6	49.5	49.0	50.2	52.5	54.7	53.6	54.9	57.7
72.5°	59.4	61.4	61.4	59.5	60.2	61.5	60.1	60.6	62.8	64.0	66.6
70°	69.1	71.8	71.2	70.1	73.9	73.7	71.9	70.8	71.4	72.8	74.9
67.5°	82.1	85.4	84.3	84.5	88.1	87.4	84.9	85.0	86.1	86.6	88.0
65°	97.0	101.2	101.2	105.9	112.5	111.6	105.8	105.4	106.9	107.4	109.1
62.5°	115.1	117.3	119.3	130.4	140.5	139.4	135.8	134.0	137.6	140.7	138.1
60°	131.2	134.5	143.4	158.0	175.4	174.3	164.5	179.1	201.2	193.9	177.2
57.5°	148.1	152.4	166.3	186.1	210.0	219.9	221.1	259.0	306.7	293.7	246.1
55°	177.7	181.1	198.1	213.3	245.4	271.4	291.9	323.0	355.4	361.1	357.5
52.5°	232.1	237.3	252.9	266.9	287.2	344.4	430.5	478.0	501.6	556.2	575.1
50°	329.9	408.7	314.1	474.2	593.9	674.3	690.6	802.4	854.3	825.7	830.6
47.5°	1017.0	1049.1	960.9	1061.2	992.9	1041.1	975.2	947.5	977.8	986.6	976.1
45°	3272.7	3262.9	2877.6	3155.2	2683.7	2775.1	2127.0	2180.8	2090.6	1886.4	1940.9
42.5°	10364.0	10314.0	10313.6	10777.5	9992.6	11079.2	9207.6	9452.3	8628.8	7018.0	7596.5
40°	21082.2	22493.2	23927.0	27370.0	29881.2	32431.0	31120.7	32516.1	30759.3	30106.4	29091.1
37.5°	29816.5	32087.8	39880.2	51788.6	60236.2	73110.7	75825.1	79044.4	77659.0	80646.3	81966.7
35°	34775.2	42111.1	61836.3	87376.0	113676.8	126204.9	134257.4	140654.2	148184.3	153496.1	160724.3
32.5°	38125.2	54879.5	86638.2	123118.3	151734.2	162126.8	171401.6	181150.9	191211.6	201357.5	212339.7
30°	43041.3	68425.9	107345.7	144492.3	162682.0	170862.9	179571.6	188857.6	198238.2	208354.5	216728.6
27.5°	48466.6	80108.7	120112.3	147245.6	156231.3	161901.6	168378.7	175476.3	182301.3	189569.2	195034.7
25°	54112.9	90807.7	123005.4	137925.1	142481.0	145902.9	149962.5	154209.1	158824.2	163066.9	166391.0
22.5°	62593.1	95365.9	118630.3	126213.7	127786.0	129402.0	131332.6	133916.9	136271.0	138244.3	139774.2
20°	68227.4	96973.0	112381.5	114815.5	115006.9	115207.5	115944.0	116761.2	117696.1	118214.1	118325.5
17.5°	72783.2	95111.6	104210.1	104610.9	103913.3	103341.0	103175.1	103115.7	102924.6	102552.2	102063.8
15°	75320.1	91680.7	96446.8	95647.8	94516.8	93427.9	92734.1	92079.6	91379.3	90568.4	89594.8
12.5°	75047.5	87166.1	88854.7	87512.0	86108.2	84754.5	83778.6	82791.6	81762.8	80643.8	79608.4
10°	73626.8	81985.8	81603.0	80030.2	78428.4	76974.0	75756.1	74601.5	73313.2	72098.1	70961.7
7.5°	70039.8	75353.6	74653.6	73073.1	71351.7	69775.6	68535.2	67264.7	65961.3	64700.3	63499.6
5°	65424.6	69238.8	68151.1	66613.3	64935.3	63314.4	62015.3	60725.9	59432.9	58175.3	57001.3
2.5°	60692.2	63424.8	62130.5	60753.9	59140.8	57547.8	56237.0	54946.8	53683.1	52435.0	51288.4
0°	55471.7	57732.5	56571.2	55240.1	53750.6	52250.3	51022.9	49826.5	48628.3	47464.9	46404.6
-2.5°	50382.3	52378.7	51443.2	50291.7	48970.9	47588.6	46423.7	45307.5	44213.0	43154.7	42195.4
-5°	45607.8	47430.8	46758.6	45824.4	44692.6	43463.9	42383.3	41354.2	40341.8	39410.5	38555.8
-7.5°	41356.2	42924.5	42397.1	41723.7	40800.4	39672.5	38733.4	37798.5	36883.2	36014.4	35254.6
-10°	37300.6	38807.5	38396.9	37894.5	37113.8	36155.6	35274.8	34426.7	33601.9	32803.5	32089.7
-12.5°	33413.7	35313.3	35043.9	34727.8	34198.0	33347.2	32497.8	31678.6	30882.1	30176.3	29513.9
-15°	29906.0	31995.1	31720.2	31436.1	31060.9	30368.1	29645.2	28885.6	28135.6	27450.4	26943.6
-17.5°	25967.8	28479.1	28302.9	27975.2	27621.2	26979.2	26342.5	25642.8	24962.4	24330.0	23659.7
-20°	21097.5	24516.2	24645.7	24382.3	24149.2	23725.9	23288.1	22819.1	22089.3	21494.0	21149.8



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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°	14308.1	18982.7	20122.3	20056.1	19946.2	19706.2	19313.2	18796.7	18359.1	17960.4	17477.4
-25°	7405.1	12175.3	14324.7	14661.1	14715.3	14684.4	14534.4	14444.0	14052.4	13920.0	13598.1
-27.5°	5123.5	6057.8	7512.3	8491.7	8538.7	8587.5	8441.8	8230.6	8270.6	7892.7	8063.6
-30°	3508.2	3608.4	4006.7	4492.0	5144.0	5258.5	5226.9	4998.9	4953.5	4828.3	4904.2
-32.5°	2051.2	2129.1	2221.3	2361.6	2636.1	3232.5	3529.3	3423.2	3333.1	3333.2	3351.8
-35°	1051.2	1164.4	1248.4	1268.4	1265.2	1525.3	1761.7	2090.3	2208.6	2231.7	2224.8
-37.5°	691.9	722.0	816.0	837.7	813.8	846.8	883.4	1000.3	1057.9	1292.6	1457.8
-40°	586.1	615.6	639.4	657.5	647.0	648.1	646.9	672.8	677.2	725.3	768.5
-42.5°	547.1	578.0	580.1	568.0	548.2	536.9	536.1	544.5	557.7	574.7	589.8
-45°	491.2	516.5	514.8	499.6	473.2	453.8	448.6	449.7	454.2	462.1	479.1
-47.5°	428.4	439.2	448.4	452.5	425.1	404.1	403.3	399.9	388.8	396.1	407.0
-50°	358.3	381.5	396.4	406.9	391.5	372.3	373.1	375.9	365.8	369.2	388.4
-52.5°	199.1	269.6	341.3	359.7	338.5	326.8	330.4	326.7	328.6	337.7	347.7
-55°	143.8	166.1	185.0	239.2	266.4	273.7	275.3	275.4	277.4	283.4	278.4
-57.5°	136.8	140.0	149.2	168.0	179.3	187.6	199.0	208.4	222.2	232.2	244.4
-60°	135.5	136.4	143.8	151.1	150.9	152.6	156.7	164.6	169.3	174.6	184.7
-62.5°	104.1	114.1	127.7	133.5	131.2	137.4	141.2	148.2	152.6	159.9	169.7
-65°	66.8	77.9	91.4	101.7	101.0	108.8	114.8	123.1	130.6	137.8	146.2
-67.5°	46.1	52.1	61.7	66.4	68.5	74.0	76.0	80.3	86.8	95.0	104.7
-70°	35.8	40.0	45.6	47.9	50.4	51.9	52.0	52.3	54.5	56.3	63.4
-72.5°	27.5	32.0	36.8	40.9	41.6	38.6	39.8	41.0	42.8	44.7	49.8
-75°	24.0	25.7	28.0	31.9	31.9	32.2	33.0	33.6	35.5	36.4	37.3
-77.5°	17.2	18.3	21.0	25.4	22.4	23.4	24.5	25.2	25.8	26.4	26.9
-80°	13.0	13.5	14.9	20.5	14.2	15.2	16.0	16.5	16.9	17.3	17.6
-82.5°	7.7	8.2	8.6	10.7	8.3	8.9	9.2	9.4	9.5	8.5	8.7
-85°	2.1	2.4	2.7	3.0	3.3	3.5	3.7	3.9	4.1	2.6	2.6
-87.5°	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.4	0.4	0.4
-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):

	-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°	5.9	5.0	5.0	5.0	5.0	5.0	5.9	7.2	7.1	7.0	6.9
85°	11.7	13.5	13.6	13.7	13.6	13.5	11.7	16.1	15.9	15.7	15.5
82.5°	25.5	27.5	27.7	27.7	27.7	27.5	25.5	26.3	24.8	24.5	24.2
80°	34.3	34.5	34.6	34.6	34.6	34.5	34.3	32.5	32.4	34.8	34.1
77.5°	47.8	50.5	52.6	52.8	52.6	50.5	47.8	45.2	43.0	42.7	44.8
75°	59.0	63.3	65.5	65.6	65.5	63.3	59.0	57.7	54.9	53.6	54.7
72.5°	64.3	68.9	70.0	70.1	70.0	68.9	64.3	66.6	64.0	62.8	60.6
70°	72.9	74.2	74.6	76.5	74.6	74.2	72.9	74.9	72.8	71.4	70.8
67.5°	85.7	87.7	88.6	87.4	88.6	87.7	85.7	88.0	86.6	86.1	85.0
65°	107.0	105.8	106.3	101.9	106.3	105.8	107.0	109.1	107.4	106.9	105.4
62.5°	133.7	130.6	129.6	126.1	129.6	130.6	133.7	138.1	140.7	137.6	134.0
60°	167.8	162.6	160.1	160.2	160.1	162.6	167.8	177.2	193.9	201.2	179.1
57.5°	223.3	212.5	207.9	207.0	207.9	212.5	223.3	246.1	293.7	306.7	259.0
55°	350.2	350.2	346.2	340.4	346.2	350.2	350.2	357.5	361.1	355.4	323.0
52.5°	600.2	615.6	612.8	602.1	612.8	615.6	600.2	575.1	556.2	501.6	478.0
50°	796.0	795.5	782.4	762.7	782.4	795.5	796.0	830.6	825.7	854.3	802.4
47.5°	972.6	1060.4	1100.4	1086.7	1100.4	1060.4	972.6	976.1	986.6	977.8	947.5
45°	2055.2	2082.5	2083.8	2058.8	2083.8	2082.5	2055.2	1940.9	1886.4	2090.6	2180.8
42.5°	7306.2	6625.5	6110.2	5835.0	6110.2	6625.5	7306.2	7596.5	7018.0	8628.8	9452.3
40°	27693.2	26442.7	25641.3	25207.5	25641.3	26442.7	27693.2	29091.1	30106.4	30759.3	32516.1
37.5°	79465.8	78845.9	79624.8	79421.4	79624.8	78845.9	79465.8	81966.7	80646.3	77659.0	79044.4
35°	164637.9	167160.0	168961.0	169208.4	168961.0	167160.0	164637.9	160724.3	153496.1	148184.3	140654.2
32.5°	217476.1	223297.2	227549.4	228985.1	227549.4	223297.2	217476.1	212339.7	201357.5	191211.6	181150.9
30°	223058.4	229029.0	233131.7	234814.6	233131.7	229029.0	223058.4	216728.6	208354.5	198238.2	188857.6
27.5°	200087.3	204062.6	205826.1	206421.6	205826.1	204062.6	200087.3	195034.7	189569.2	182301.3	175476.3
25°	168725.5	170807.4	171719.7	172084.4	171719.7	170807.4	168725.5	166391.0	163066.9	158824.2	154209.1
22.5°	140690.1	141375.9	141360.7	141488.0	141360.7	141375.9	140690.1	139774.2	138244.3	136271.0	133916.9
20°	118563.4	118617.5	118350.6	118188.2	118350.6	118617.5	118563.4	118325.5	118214.1	117696.1	116761.2
17.5°	101915.5	101438.4	101250.1	101318.2	101250.1	101438.4	101915.5	102063.8	102552.2	102924.6	103115.7
15°	89090.8	88441.7	88114.3	88168.2	88114.3	88441.7	89090.8	89594.8	90568.4	91379.3	92079.6
12.5°	78794.9	78078.1	77601.3	77565.4	77601.3	78078.1	78794.9	79608.4	80643.8	81762.8	82791.6
10°	69983.4	69246.4	68724.0	68643.4	68724.0	69246.4	69983.4	70961.7	72098.1	73313.2	74601.5
7.5°	62429.7	61656.9	61076.9	60927.3	61076.9	61656.9	62429.7	63499.6	64700.3	65961.3	67264.7
5°	55986.1	55199.2	54676.6	54491.3	54676.6	55199.2	55986.1	57001.3	58175.3	59432.9	60725.9
2.5°	50312.5	49621.7	49147.5	48921.2	49147.5	49621.7	50312.5	51288.4	52435.0	53683.1	54946.8
0°	45536.0	44853.3	44414.6	44296.9	44414.6	44853.3	45536.0	46404.6	47464.9	48628.3	49826.5
-2.5°	41374.7	40808.6	40454.7	40348.0	40454.7	40808.6	41374.7	42195.4	43154.7	44213.0	45307.5
-5°	37847.4	37311.2	36911.4	36788.4	36911.4	37311.2	37847.4	38555.8	39410.5	40341.8	41354.2
-7.5°	34597.4	34058.1	33730.3	33552.0	33730.3	34058.1	34597.4	35254.6	36014.4	36883.2	37798.5
-10°	31525.7	31053.1	30724.3	30491.6	30724.3	31053.1	31525.7	32089.7	32803.5	33601.9	34426.7
-12.5°	29006.1	28584.1	28376.9	28279.3	28376.9	28584.1	29006.1	29513.9	30176.3	30882.1	31678.6
-15°	26369.9	25996.7	25664.9	25614.0	25664.9	25996.7	26369.9	26943.6	27450.4	28135.6	28885.6
-17.5°	23309.3	22822.5	22538.4	22495.2	22538.4	22822.5	23309.3	23659.7	24330.0	24962.4	25642.8
-20°	20608.3	20393.5	20432.6	20423.7	20432.6	20393.5	20608.3	21149.8	21494.0	22089.3	22819.1



REPORT NUMBER: P902067 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NWB-LO

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	17284.0	17032.1	16841.1	16760.4	16841.1	17032.1	17284.0	17477.4	17960.4	18359.1	18796.7
-25°	13730.0	13390.2	13278.9	13229.0	13278.9	13390.2	13730.0	13598.1	13920.0	14052.4	14444.0
-27.5°	7937.3	7609.8	7681.1	7674.4	7681.1	7609.8	7937.3	8063.6	7892.7	8270.6	8230.6
-30°	4891.9	4886.5	4948.5	4956.7	4948.5	4886.5	4891.9	4904.2	4828.3	4953.5	4998.9
-32.5°	3432.2	3492.2	3568.0	3606.0	3568.0	3492.2	3432.2	3351.8	3333.2	3333.1	3423.2
-35°	2252.2	2295.7	2354.1	2401.0	2354.1	2295.7	2252.2	2224.8	2231.7	2208.6	2090.3
-37.5°	1594.4	1696.9	1742.4	1752.9	1742.4	1696.9	1594.4	1457.8	1292.6	1057.9	1000.3
-40°	812.5	853.7	902.6	910.2	902.6	853.7	812.5	768.5	725.3	677.2	672.8
-42.5°	605.9	631.6	643.5	649.4	643.5	631.6	605.9	589.8	574.7	557.7	544.5
-45°	503.2	528.2	524.7	525.2	524.7	528.2	503.2	479.1	462.1	454.2	449.7
-47.5°	435.1	443.1	440.6	454.2	440.6	443.1	435.1	407.0	396.1	388.8	399.9
-50°	401.6	394.3	393.6	393.2	393.6	394.3	401.6	388.4	369.2	365.8	375.9
-52.5°	354.2	347.3	352.7	360.8	352.7	347.3	354.2	347.7	337.7	328.6	326.7
-55°	288.1	294.6	300.5	316.7	300.5	294.6	288.1	278.4	283.4	277.4	275.4
-57.5°	255.1	261.4	262.5	263.0	262.5	261.4	255.1	244.4	232.2	222.2	208.4
-60°	192.0	199.5	205.1	205.7	205.1	199.5	192.0	184.7	174.6	169.3	164.6
-62.5°	180.4	190.4	198.0	198.9	198.0	190.4	180.4	169.7	159.9	152.6	148.2
-65°	156.9	164.7	171.9	173.8	171.9	164.7	156.9	146.2	137.8	130.6	123.1
-67.5°	110.3	117.0	123.0	125.6	123.0	117.0	110.3	104.7	95.0	86.8	80.3
-70°	64.9	66.7	70.6	71.0	70.6	66.7	64.9	63.4	56.3	54.5	52.3
-72.5°	51.1	51.5	54.8	56.9	54.8	51.5	51.1	49.8	44.7	42.8	41.0
-75°	38.5	39.8	41.7	42.7	41.7	39.8	38.5	37.3	36.4	35.5	33.6
-77.5°	27.3	29.3	31.3	31.4	31.3	29.3	27.3	26.9	26.4	25.8	25.2
-80°	17.9	18.1	18.2	18.2	18.2	18.1	17.9	17.6	17.3	16.9	16.5
-82.5°	8.8	9.0	9.0	9.1	9.0	9.0	8.8	8.7	8.5	9.5	9.4
-85°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	4.1	3.9
-87.5°	0.4	0.4	0.4	0.5	0.4	0.4	0.4	0.4	0.4	0.4	0.3
-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: P902067 (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°	6.8	6.6	6.5	6.3	6.1	5.9	5.7	7.2	5.3	5.1	4.9
85°	15.2	15.0	14.6	14.3	13.9	13.9	13.2	12.6	12.1	11.7	13.9
82.5°	23.8	23.4	22.9	22.5	22.9	24.9	24.4	25.0	22.3	21.2	21.3
80°	32.4	31.8	31.1	31.0	33.3	32.4	31.5	31.0	31.2	29.9	28.6
77.5°	42.2	40.2	39.4	39.5	41.9	40.6	39.2	38.3	38.4	36.2	33.5
75°	52.5	50.2	49.0	49.5	51.6	50.5	48.7	46.7	43.7	40.3	37.1
72.5°	60.1	61.5	60.2	59.5	61.4	61.4	59.4	55.5	52.3	48.3	45.5
70°	71.9	73.7	73.9	70.1	71.2	71.8	69.1	63.8	60.7	60.2	56.4
67.5°	84.9	87.4	88.1	84.5	84.3	85.4	82.1	78.8	71.5	71.9	68.8
65°	105.8	111.6	112.5	105.9	101.2	101.2	97.0	91.8	84.7	79.4	76.0
62.5°	135.8	139.4	140.5	130.4	119.3	117.3	115.1	108.5	99.6	92.1	86.6
60°	164.5	174.3	175.4	158.0	143.4	134.5	131.2	129.5	121.3	109.2	101.1
57.5°	221.1	219.9	210.0	186.1	166.3	152.4	148.1	153.7	154.3	141.9	121.8
55°	291.9	271.4	245.4	213.3	198.1	181.1	177.7	184.1	187.1	188.1	155.8
52.5°	430.5	344.4	287.2	266.9	252.9	237.3	232.1	235.1	247.2	259.2	230.2
50°	690.6	674.3	593.9	474.2	314.1	408.7	329.9	419.8	507.3	408.1	433.6
47.5°	975.2	1041.1	992.9	1061.2	960.9	1049.1	1017.0	1082.3	1023.9	844.1	847.2
45°	2127.0	2775.1	2683.7	3155.2	2877.6	3262.9	3272.7	2973.8	2951.1	2255.4	1552.7
42.5°	9207.6	11079.2	9992.6	10777.5	10313.6	10314.0	10364.0	9773.1	8602.9	6770.0	4303.1
40°	31120.7	32431.0	29881.2	27370.0	23927.0	22493.2	21082.2	19970.9	18331.0	14255.7	9629.9
37.5°	75825.1	73110.7	60236.2	51788.6	39880.2	32087.8	29816.5	27909.9	25795.5	22480.6	16253.8
35°	134257.4	126204.9	113676.8	87376.0	61836.3	42111.1	34775.2	32472.6	30456.8	27576.8	22520.4
32.5°	171401.6	162126.8	151734.2	123118.3	86638.2	54879.5	38125.2	33827.3	32383.0	30282.4	26193.4
30°	179571.6	170862.9	162682.0	144492.3	107345.7	68425.9	43041.3	33228.0	31553.8	30497.1	27750.6
27.5°	168378.7	161901.6	156231.3	147245.6	120112.3	80108.7	48466.6	33574.1	29907.0	29251.6	27533.9
25°	149962.5	145902.9	142481.0	137925.1	123005.4	90807.7	54112.9	33920.7	27971.1	27598.9	26847.0
22.5°	131332.6	129402.0	127786.0	126213.7	118630.3	95365.9	62593.1	37854.4	27669.2	25821.9	25439.1
20°	115944.0	115207.5	115006.9	114815.5	112381.5	96973.0	68227.4	40840.8	26781.7	24154.9	24060.6
17.5°	103175.1	103341.0	103913.3	104610.9	104210.1	95111.6	72783.2	45855.2	28604.4	23083.6	22749.3
15°	92734.1	93427.9	94516.8	95647.8	96446.8	91680.7	75320.1	48813.7	29525.6	21983.8	21539.0
12.5°	83778.6	84754.5	86108.2	87512.0	88854.7	87166.1	75047.5	52328.5	31472.8	21132.4	20490.6
10°	75756.1	76974.0	78428.4	80030.2	81603.0	81985.8	73626.8	54130.4	33204.7	21699.9	19537.9
7.5°	68535.2	69775.6	71351.7	73073.1	74653.6	75353.6	70039.8	54263.1	33702.9	21610.9	18658.8
5°	62015.3	63314.4	64935.3	66613.3	68151.1	69238.8	65424.6	52501.4	33181.1	20988.9	17786.6
2.5°	56237.0	57547.8	59140.8	60753.9	62130.5	63424.8	60692.2	49621.6	31905.3	20017.4	16939.0
0°	51022.9	52250.3	53750.6	55240.1	56571.2	57732.5	55471.7	45885.1	30386.2	19055.3	16186.1
-2.5°	46423.7	47588.6	48970.9	50291.7	51443.2	52378.7	50382.3	41992.0	28541.9	18089.7	15532.4
-5°	42383.3	43463.9	44692.6	45824.4	46758.6	47430.8	45607.8	38124.6	26322.9	16940.7	14914.4
-7.5°	38733.4	39672.5	40800.4	41723.7	42397.1	42924.5	41356.2	34329.3	23719.6	15646.7	14305.3
-10°	35274.8	36155.6	37113.8	37894.5	38396.9	38807.5	37300.6	30632.3	20584.4	14274.0	13674.9
-12.5°	32497.8	33347.2	34198.0	34727.8	35043.9	35313.3	33413.7	27339.5	17230.3	13027.1	13186.1
-15°	29645.2	30368.1	31060.9	31436.1	31720.2	31995.1	29906.0	24081.9	14457.3	12359.9	12553.9
-17.5°	26342.5	26979.2	27621.2	27975.2	28302.9	28479.1	25967.8	18825.9	12170.3	11006.8	11184.5
-20°	23288.1	23725.9	24149.2	24382.3	24645.7	24516.2	21097.5	12416.5	9140.3	9051.8	9377.8



REPORT NUMBER: P902067 (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°	19313.2	19706.2	19946.2	20056.1	20122.3	18982.7	14308.1	8749.4	7475.7	7473.1	7739.7
-25°	14534.4	14684.4	14715.3	14661.1	14324.7	12175.3	7405.1	6219.9	6081.5	6152.8	6327.5
-27.5°	8441.8	8587.5	8538.7	8491.7	7512.3	6057.8	5123.5	4866.6	4790.7	4772.7	4823.2
-30°	5226.9	5258.5	5144.0	4492.0	4006.7	3608.4	3508.2	3450.3	3346.6	3247.8	3242.1
-32.5°	3529.3	3232.5	2636.1	2361.6	2221.3	2129.1	2051.2	1921.3	1833.4	1753.1	1859.5
-35°	1761.7	1525.3	1265.2	1268.4	1248.4	1164.4	1051.2	1028.2	971.1	913.4	926.5
-37.5°	883.4	846.8	813.8	837.7	816.0	722.0	691.9	655.9	604.5	561.4	566.1
-40°	646.9	648.1	647.0	657.5	639.4	615.6	586.1	546.3	502.2	454.2	430.9
-42.5°	536.1	536.9	548.2	568.0	580.1	578.0	547.1	500.4	453.4	406.7	376.9
-45°	448.6	453.8	473.2	499.6	514.8	516.5	491.2	451.7	407.4	356.9	327.6
-47.5°	403.3	404.1	425.1	452.5	448.4	439.2	428.4	405.8	359.3	304.1	243.8
-50°	373.1	372.3	391.5	406.9	396.4	381.5	358.3	278.1	283.7	206.0	192.0
-52.5°	330.4	326.8	338.5	359.7	341.3	269.6	199.1	178.1	158.4	164.3	164.4
-55°	275.3	273.7	266.4	239.2	185.0	166.1	143.8	145.6	143.9	144.9	141.9
-57.5°	199.0	187.6	179.3	168.0	149.2	140.0	136.8	138.9	132.9	126.6	117.4
-60°	156.7	152.6	150.9	151.1	143.8	136.4	135.5	125.0	111.3	100.1	89.7
-62.5°	141.2	137.4	131.2	133.5	127.7	114.1	104.1	94.0	80.5	71.0	62.8
-65°	114.8	108.8	101.0	101.7	91.4	77.9	66.8	61.0	53.7	46.3	45.1
-67.5°	76.0	74.0	68.5	66.4	61.7	52.1	46.1	42.2	39.4	40.4	38.7
-70°	52.0	51.9	50.4	47.9	45.6	40.0	35.8	33.5	30.9	32.1	30.9
-72.5°	39.8	38.6	41.6	40.9	36.8	32.0	27.5	26.2	25.5	26.1	24.7
-75°	33.0	32.2	31.9	31.9	28.0	25.7	24.0	23.8	23.4	21.9	21.0
-77.5°	24.5	23.4	22.4	25.4	21.0	18.3	17.2	16.7	17.4	17.0	16.8
-80°	16.0	15.2	14.2	20.5	14.9	13.5	13.0	12.8	13.6	12.8	12.0
-82.5°	9.2	8.9	8.3	10.7	8.6	8.2	7.7	7.3	8.4	7.8	7.2
-85°	3.7	3.5	3.3	3.0	2.7	2.4	2.1	1.8	3.4	3.3	3.2
-87.5°	0.3	0.3	0.2	0.2	0.1	0.1	0.0	0.0	1.7	1.7	1.6
-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: P902067 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NWB-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°	6.2	5.9	5.6	9.1	8.5	7.9	7.3	6.7	6.1	5.4	4.8
85°	14.8	13.9	13.1	15.1	14.6	14.1	13.5	13.0	12.1	10.8	9.5
82.5°	22.1	21.2	20.2	19.3	18.3	17.5	16.7	16.1	16.6	15.3	14.5
80°	28.2	27.0	25.7	25.0	25.6	24.0	23.3	20.7	20.9	19.5	19.7
77.5°	33.2	32.8	31.2	30.0	30.7	31.3	33.1	30.5	26.9	24.7	24.6
75°	34.9	34.2	34.9	34.8	34.1	37.1	40.0	38.3	33.4	31.3	28.7
72.5°	42.4	39.8	39.2	39.9	42.2	45.9	45.4	42.4	39.5	37.5	32.4
70°	52.3	48.1	43.8	44.8	51.9	57.1	54.4	48.0	45.4	42.5	36.2
67.5°	61.1	57.5	53.0	52.6	63.0	68.8	63.5	56.2	51.7	47.1	39.7
65°	69.8	64.4	60.9	62.9	76.6	82.1	73.3	64.5	57.7	51.6	43.1
62.5°	81.4	74.7	69.5	76.4	93.3	98.5	84.3	73.3	63.5	56.2	46.3
60°	92.8	86.8	81.1	95.9	115.6	114.8	98.5	82.7	71.2	60.9	51.1
57.5°	107.5	101.7	93.1	120.3	139.8	131.9	113.6	94.2	78.4	66.7	56.1
55°	131.7	118.0	109.4	136.5	165.9	150.7	131.2	104.5	86.9	72.7	61.0
52.5°	171.2	138.9	128.8	148.7	170.8	171.9	149.7	121.3	95.8	78.5	65.3
50°	258.9	237.4	188.7	159.6	176.6	181.8	167.2	138.2	106.3	85.1	69.1
47.5°	714.5	623.8	388.8	289.7	185.5	190.3	183.2	152.4	118.3	90.7	72.2
45°	1416.5	1195.8	870.6	534.5	271.9	213.9	195.7	164.7	128.8	95.2	75.5
42.5°	2563.7	1999.4	1458.5	863.4	505.4	320.6	209.2	176.2	138.8	103.8	80.2
40°	5752.5	3371.0	2123.2	1085.8	698.4	505.1	319.4	217.5	149.0	112.0	84.8
37.5°	10068.9	5947.8	3579.4	1674.6	826.1	615.1	443.2	303.0	158.4	119.6	89.2
35°	15455.7	9184.5	5532.0	2265.1	986.2	722.7	559.3	420.7	194.1	126.8	94.6
32.5°	19741.5	13011.9	8250.7	4248.0	1516.5	862.1	656.2	475.3	261.1	133.5	99.9
30°	22886.0	16144.7	10628.3	6350.2	2035.0	997.4	747.5	530.9	328.8	139.3	104.9
27.5°	23834.3	18241.5	12806.1	8225.4	3312.8	1275.9	813.1	579.5	396.2	145.0	110.1
25°	24172.8	19697.2	14364.5	9963.6	4870.7	1650.7	870.1	606.9	435.7	154.1	115.3
22.5°	23720.7	20291.0	15483.4	11643.8	6283.5	2028.3	910.1	616.4	404.4	169.9	118.4
20°	22998.0	20375.9	16324.7	12529.2	7617.0	2505.0	961.2	615.9	387.6	172.1	120.8
17.5°	22234.1	20290.6	16829.9	13144.8	8858.8	3629.8	1141.7	613.3	397.0	179.1	122.9
15°	21240.5	19839.4	17051.0	13542.9	9885.6	4702.3	1506.4	650.2	423.9	184.0	125.2
12.5°	20340.7	19272.0	16939.8	13772.4	10666.7	5665.4	1953.5	755.9	443.5	186.6	127.3
10°	19512.2	18733.9	16769.2	13934.3	11187.4	6537.2	2403.3	890.8	472.8	187.1	128.6
7.5°	18717.5	18204.8	16581.3	14025.1	11366.1	7276.6	2914.1	1072.5	506.5	186.0	129.7
5°	17908.7	17676.5	16370.0	14118.5	11512.7	7876.7	3402.7	1263.3	551.1	186.4	132.9
2.5°	17147.5	17141.9	16138.6	14165.2	11650.6	8350.0	3922.2	1492.2	608.7	186.6	135.9
0°	16440.5	16608.4	15884.8	14177.4	11762.7	8695.6	4386.9	1700.1	659.9	185.7	138.3
-2.5°	15833.0	16092.8	15573.1	14123.2	11843.4	8901.0	4795.6	1926.9	749.1	270.6	142.6
-5°	15253.4	15552.7	15225.6	13998.5	11854.1	8992.7	5111.7	2107.9	821.7	349.8	146.0
-7.5°	14675.2	15003.5	14840.2	13827.5	11804.2	8951.0	5280.8	2280.2	910.0	414.0	148.2
-10°	14084.3	14470.5	14436.0	13627.2	11707.0	8854.1	5353.5	2401.5	997.2	451.0	150.2
-12.5°	13572.4	13986.6	14130.5	13426.6	11476.8	8700.1	5267.5	2437.6	1067.3	472.1	151.0
-15°	12913.0	13418.1	13525.5	12950.8	11044.6	8255.7	5066.2	2403.6	1171.3	490.4	150.0
-17.5°	11702.1	12050.4	12317.8	11707.7	10079.4	7632.0	4571.3	2404.2	1255.2	496.6	146.0
-20°	9785.8	10268.1	10489.8	10172.3	8770.1	6684.6	4199.7	2414.2	1312.7	460.5	138.7



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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°	8093.4	8464.8	8807.4	8615.0	7540.1	5843.4	3907.5	2409.0	1314.9	367.7	128.8
-25°	6575.8	6926.4	7216.5	7125.0	6447.1	5097.2	3642.3	2275.4	1252.4	227.2	120.0
-27.5°	5047.8	5372.8	5626.6	5662.7	5242.4	4417.7	3161.0	2069.6	977.8	186.3	110.9
-30°	3449.6	3780.0	4040.6	4139.1	4088.6	3476.4	2645.2	1638.0	702.5	163.0	102.3
-32.5°	2079.4	2332.5	2514.7	2758.3	2794.3	2543.3	1951.3	1137.0	456.6	136.9	94.2
-35°	1062.2	1275.4	1451.6	1596.7	1619.0	1601.7	1220.4	652.4	238.6	111.4	86.6
-37.5°	629.2	704.4	755.6	880.1	952.0	918.9	655.0	338.5	139.1	94.2	80.1
-40°	431.3	454.2	485.0	506.3	489.8	528.8	347.0	189.6	113.1	86.8	74.7
-42.5°	361.7	352.3	345.6	333.1	292.2	286.5	141.0	119.9	93.4	80.1	69.4
-45°	307.5	292.7	274.6	239.3	173.7	152.2	120.2	102.0	80.5	74.0	64.0
-47.5°	233.8	227.0	206.6	165.7	129.2	118.3	101.4	86.8	73.3	66.9	57.7
-50°	184.4	177.3	158.9	125.6	110.3	99.0	86.2	74.9	65.4	59.7	51.3
-52.5°	155.7	143.9	124.1	106.5	92.0	82.0	71.8	65.7	58.8	53.1	45.0
-55°	129.8	116.7	100.7	87.7	74.1	68.5	61.5	56.5	52.6	47.5	39.1
-57.5°	104.5	91.9	78.0	68.5	63.2	58.1	53.5	49.9	46.4	42.2	36.5
-60°	78.3	66.9	57.7	56.1	53.5	51.6	47.5	43.8	40.7	37.5	34.3
-62.5°	52.1	50.2	47.4	47.3	47.7	45.7	43.1	37.2	35.2	33.7	31.8
-65°	42.7	42.6	39.1	40.4	39.9	39.0	37.0	30.9	31.4	30.3	28.0
-67.5°	35.4	35.3	33.1	34.6	32.3	33.4	30.6	27.2	28.2	27.0	24.6
-70°	29.4	30.3	29.1	29.7	27.7	28.1	26.3	24.5	23.7	23.1	21.4
-72.5°	24.9	25.1	25.9	26.2	23.6	22.6	21.5	19.9	18.1	19.1	18.1
-75°	20.2	19.4	20.5	21.8	20.0	17.9	16.4	14.2	13.4	16.2	14.8
-77.5°	15.7	14.6	14.7	16.8	15.2	13.5	12.0	10.7	10.4	13.5	11.3
-80°	11.1	10.2	9.9	11.9	11.0	9.9	8.9	7.9	7.4	9.5	7.4
-82.5°	6.5	5.8	5.5	8.1	7.4	6.6	5.8	5.0	4.3	4.8	3.3
-85°	3.0	2.9	2.8	4.2	3.7	3.2	2.6	2.1	1.7	1.5	1.4
-87.5°	1.5	1.4	1.4	1.3	1.2	1.1	1.0	1.0	0.9	0.8	0.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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	3.9	2.4	1.8	1.2	0.6	0.0
85°	8.2	7.9	4.7	3.6	2.4	1.2	0.0
82.5°	12.4	11.7	7.1	5.3	3.6	1.8	0.0
80°	15.4	14.9	9.4	7.1	4.7	2.4	0.0
77.5°	18.3	16.8	11.7	8.8	5.9	2.9	0.0
75°	21.1	18.7	14.0	10.6	7.0	3.5	0.0
72.5°	24.7	20.7	16.3	12.3	8.2	4.1	0.0
70°	28.4	23.1	18.6	13.9	9.3	4.7	0.0
67.5°	31.9	25.9	20.8	15.6	10.4	5.2	0.0
65°	35.2	28.7	22.9	17.2	11.4	5.8	0.0
62.5°	38.1	31.3	24.8	18.8	12.4	6.3	0.0
60°	41.0	34.0	26.7	20.4	13.3	6.8	0.0
57.5°	43.8	36.5	28.5	21.9	14.1	7.3	0.0
55°	48.0	39.0	30.1	22.9	14.8	7.8	0.0
52.5°	51.9	41.4	31.7	23.7	15.4	8.3	0.0
50°	55.1	43.7	33.6	24.5	16.0	8.8	0.0
47.5°	57.7	45.9	35.5	25.1	16.5	9.2	0.0
45°	60.7	48.1	36.9	25.7	16.8	9.6	0.0
42.5°	64.0	50.1	38.2	26.1	17.1	10.0	0.0
40°	67.7	52.1	39.3	26.6	17.3	10.4	0.0
37.5°	71.4	54.0	40.2	27.4	17.5	10.8	0.0
35°	74.7	56.5	41.2	28.5	17.8	11.0	0.0
32.5°	77.1	58.9	42.4	29.6	18.1	11.2	0.0
30°	79.0	60.9	43.6	30.6	18.5	11.4	0.0
27.5°	80.6	62.4	45.0	31.6	19.2	11.5	0.0
25°	82.3	63.5	46.3	32.4	19.8	11.6	0.0
22.5°	84.2	64.4	47.3	33.2	20.3	11.8	0.0
20°	86.6	65.6	48.1	33.8	20.8	11.9	0.0
17.5°	89.3	66.8	48.6	34.3	21.3	12.0	0.0
15°	91.7	68.0	48.9	34.8	21.7	12.0	0.0
12.5°	93.7	69.2	49.5	35.1	22.0	12.1	0.0
10°	95.3	70.2	50.0	35.4	22.3	12.2	0.0
7.5°	96.6	71.0	50.4	35.6	22.5	12.2	0.0
5°	97.6	71.5	50.8	35.8	22.6	12.2	0.0
2.5°	98.1	71.8	50.9	35.9	22.7	12.3	0.0
0°	98.3	72.0	51.0	35.9	22.8	12.3	0.0
-2.5°	98.8	71.9	50.9	35.9	22.7	12.1	0.0
-5°	99.0	71.7	50.8	35.8	22.6	11.9	0.0
-7.5°	98.7	71.2	50.4	35.6	22.5	11.7	0.0
-10°	98.1	70.4	50.0	35.4	22.3	11.4	0.0
-12.5°	97.0	69.4	49.5	35.1	22.0	11.2	0.0
-15°	95.2	68.1	48.8	34.8	21.7	10.9	0.0
-17.5°	92.5	66.7	48.0	34.3	21.3	10.6	0.0
-20°	88.8	65.2	47.1	33.9	20.8	10.3	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	85.7	63.6	46.1	33.3	20.3	10.0	0.0
-25°	82.8	61.5	45.0	32.7	19.8	9.7	0.0
-27.5°	79.6	59.1	43.7	32.1	19.2	9.3	0.0
-30°	75.8	56.6	42.3	31.3	18.5	8.9	0.0
-32.5°	71.8	53.9	40.4	30.6	17.8	8.5	0.0
-35°	67.9	51.0	38.3	29.7	17.0	8.0	0.0
-37.5°	64.3	48.3	36.2	28.7	16.2	7.5	0.0
-40°	60.9	45.8	34.3	27.4	15.5	7.1	0.0
-42.5°	56.8	43.2	32.3	25.9	14.7	6.7	0.0
-45°	52.1	40.4	30.1	24.2	13.9	6.3	0.0
-47.5°	47.2	37.6	27.9	22.5	13.0	5.8	0.0
-50°	43.1	34.6	25.9	20.9	12.1	5.4	0.0
-52.5°	39.3	32.3	24.1	19.4	11.2	5.0	0.0
-55°	35.9	29.7	22.7	17.9	10.2	4.6	0.0
-57.5°	32.8	27.0	21.3	16.5	9.2	4.3	0.0
-60°	29.7	24.2	20.0	15.0	8.2	3.9	0.0
-62.5°	26.6	21.8	18.6	13.4	7.2	3.5	0.0
-65°	23.3	19.6	17.2	11.8	6.1	3.2	0.0
-67.5°	20.4	17.2	15.4	10.2	5.3	2.8	0.0
-70°	17.6	14.8	13.2	8.5	4.7	2.5	0.0
-72.5°	14.8	12.5	10.9	6.9	4.1	2.2	0.0
-75°	12.1	10.2	8.6	5.3	3.6	1.8	0.0
-77.5°	9.9	8.1	6.3	4.5	3.0	1.5	0.0
-80°	7.6	6.1	4.8	3.6	2.4	1.2	0.0
-82.5°	5.3	4.5	3.6	2.7	1.8	0.9	0.0
-85°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
-87.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)