

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: P902091 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-A55-NB-LO**

Issue Date: 11/13/2024

Test Information

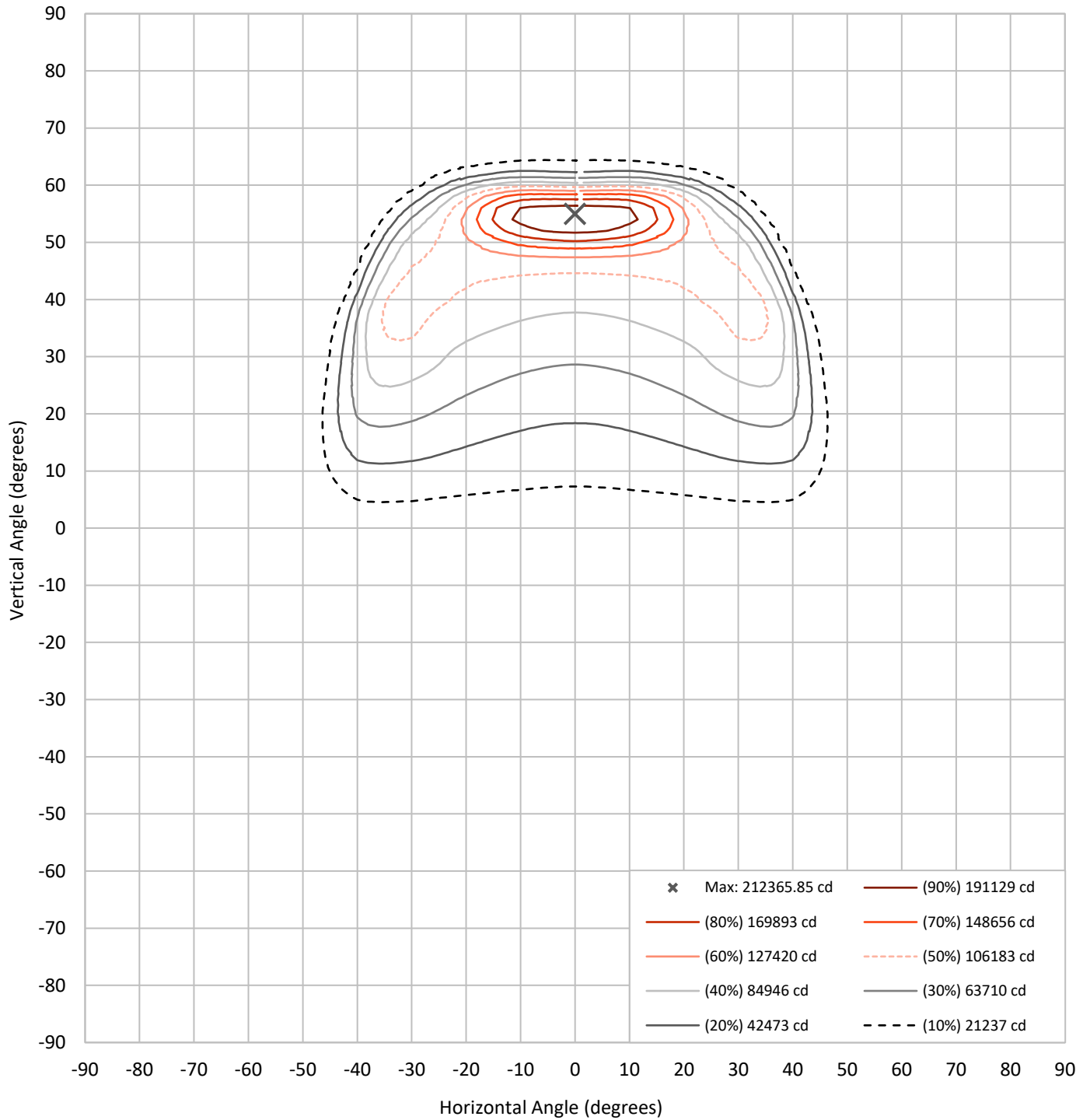
Test Method: LM-79-08
Report Number: P902091 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVM20482U1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A55-NB-LO
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A55-NB-LO OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	110378 lumens	Max Intensity:	212365.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 55°V
Efficacy:	78.1 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	47°H x 14.7°V	Field Angle (10%):	68.4°H x 57°V
Beam Lumens:	39429.5 lumens	Field Lumens:	102860.6 lumens
Beam Efficiency:	35.7%	Field Efficiency:	93.2%
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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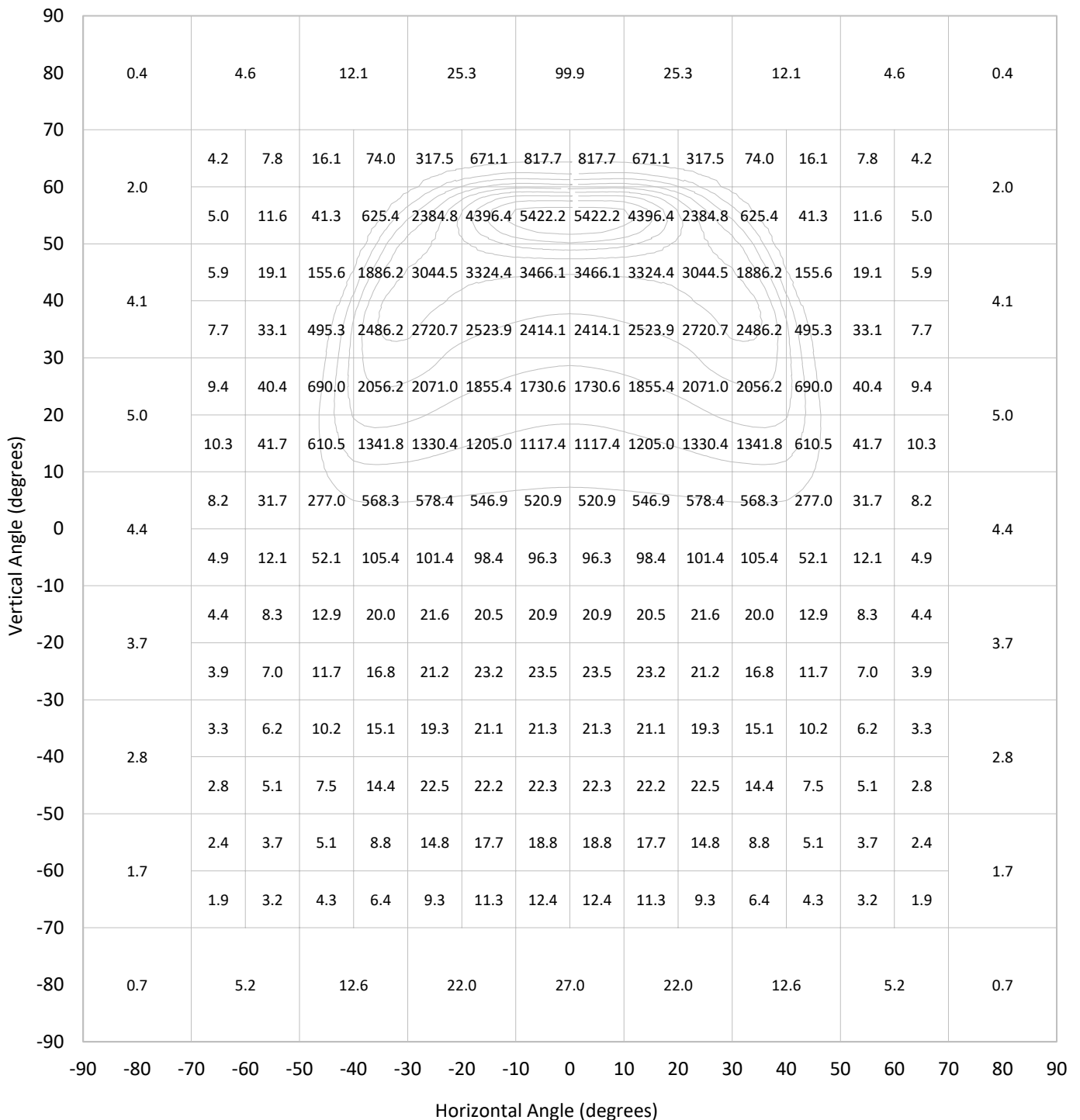
Iso-Candela Plot





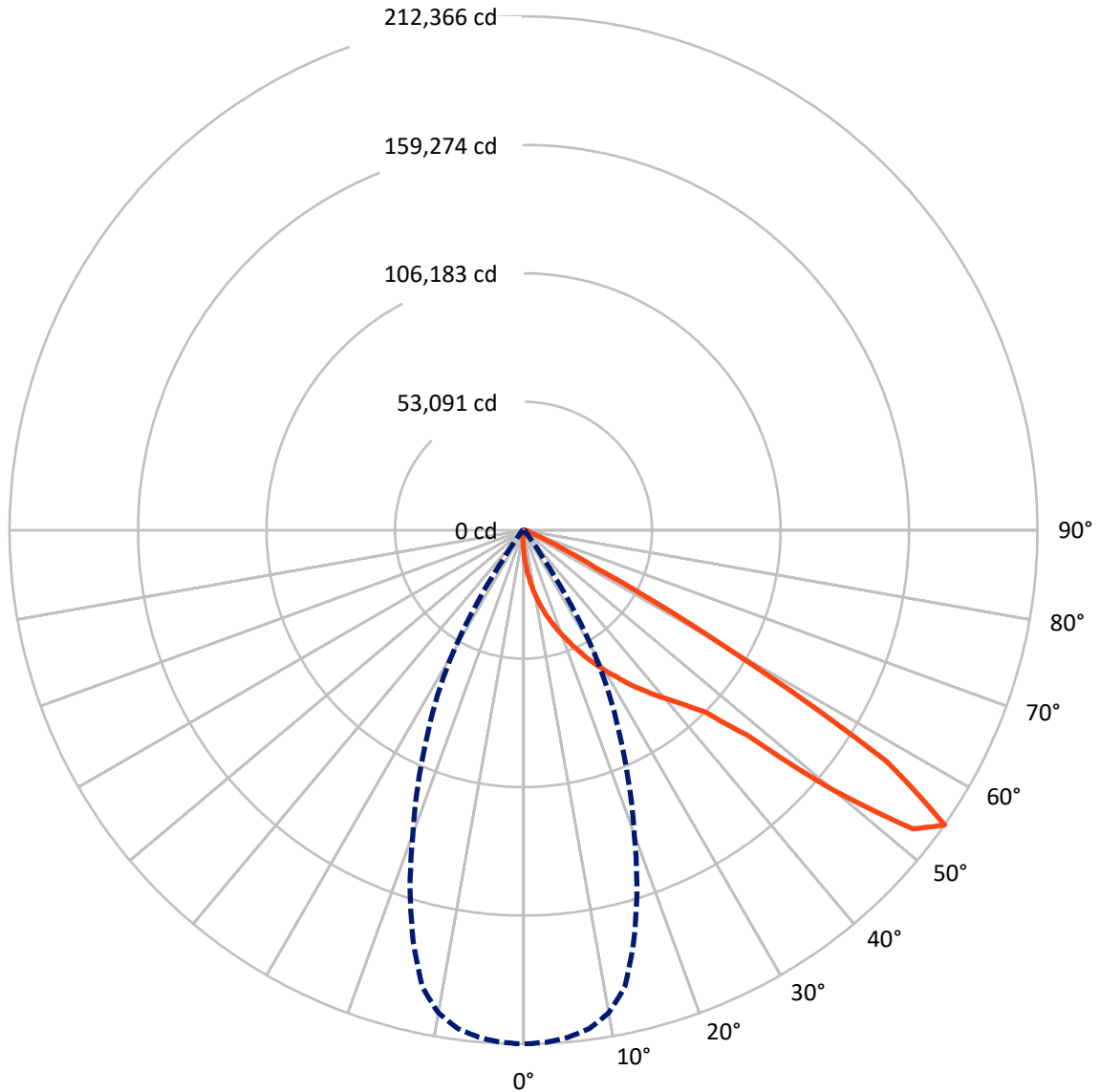
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Lumen Table



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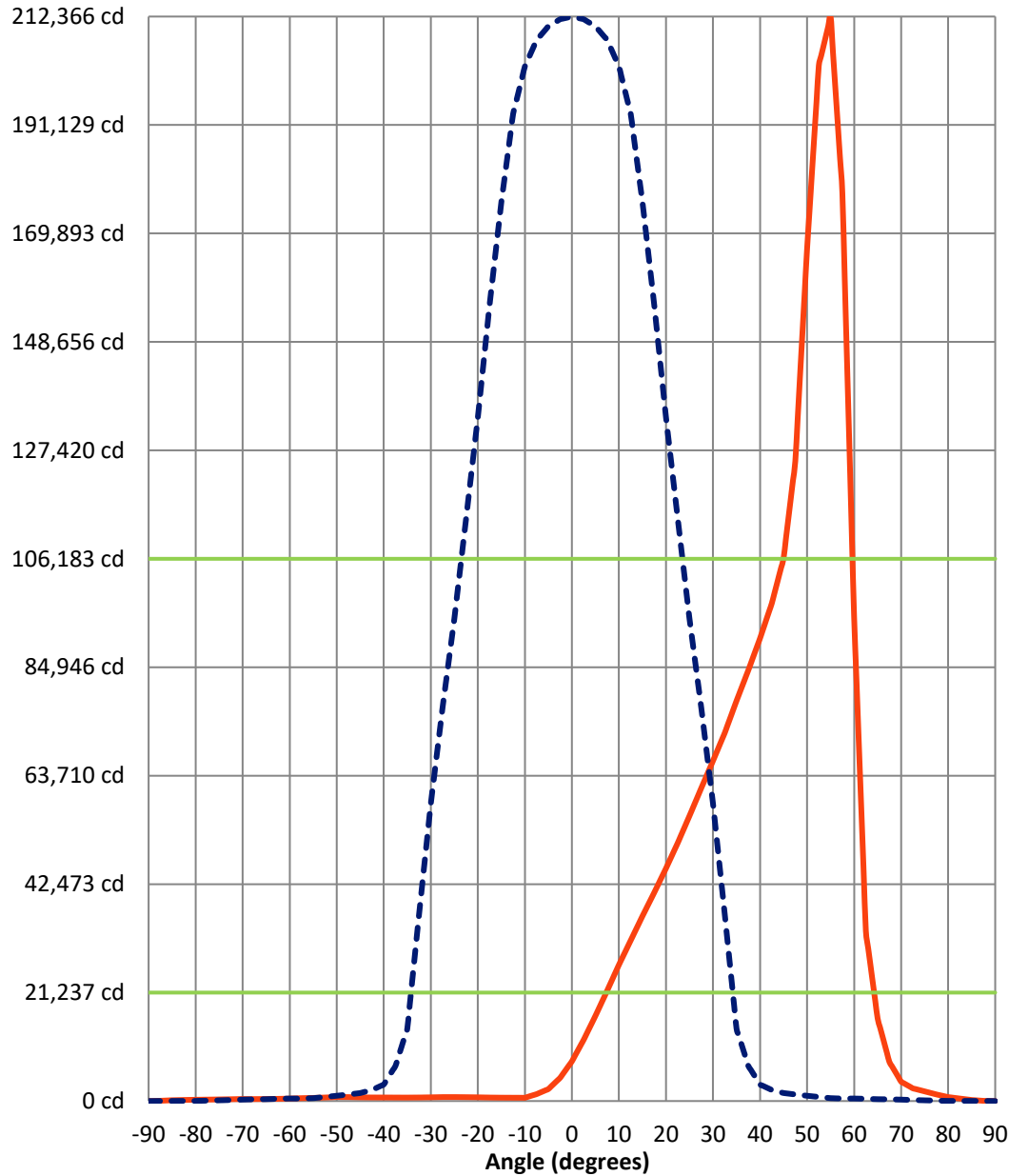
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 55-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 47°
 V Angle: 14.7°
 Lumens: 39429.5
 Efficiency: 35.7%

Field:
 H Angle: 68.4°
 V Angle: 57°
 Lumens: 102860.6
 Efficiency: 93.2%

Spill:
 Lumens: 7517.4
 Efficiency: 6.8%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 55-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	1.0	2.0	3.0	3.9	4.9	5.9	6.8	7.8	8.7	9.6
85°	0.0	2.0	4.0	5.9	7.9	9.8	11.8	13.7	15.5	17.4	19.2
82.5°	0.0	3.0	5.9	8.9	11.8	14.7	17.6	20.5	23.3	26.1	28.8
80°	0.0	3.9	7.9	11.8	15.7	18.9	23.2	27.2	31.0	34.7	38.4
77.5°	0.0	4.9	9.8	14.7	19.1	21.5	28.5	34.0	42.1	48.8	49.2
75°	0.0	5.9	11.8	17.6	21.5	24.1	33.3	43.9	60.9	65.6	80.7
72.5°	0.0	6.8	13.7	18.6	23.7	26.8	38.5	55.0	78.5	110.7	162.8
70°	0.0	7.8	15.5	19.1	25.6	29.4	43.0	65.2	112.5	165.6	236.6
67.5°	0.0	8.7	17.4	19.6	27.2	31.9	46.3	91.2	147.5	213.3	299.6
65°	0.0	9.6	18.4	20.0	28.3	34.5	57.9	118.6	180.3	253.0	348.3
62.5°	0.0	10.5	18.7	20.4	28.9	37.4	79.6	144.4	210.5	285.2	362.6
60°	0.0	11.4	19.0	20.7	29.1	47.3	100.8	165.3	239.1	316.1	377.7
57.5°	0.0	12.2	19.4	21.0	28.9	64.9	121.7	184.5	260.8	344.8	377.5
55°	0.0	13.0	19.8	21.1	28.3	81.2	141.1	205.0	280.5	340.6	365.6
52.5°	0.0	13.8	20.3	21.2	30.1	96.2	160.0	225.8	298.7	337.6	370.4
50°	0.0	14.6	20.8	21.3	44.0	112.0	177.4	245.8	310.0	350.2	389.1
47.5°	0.0	15.4	21.4	21.4	58.4	126.9	193.1	265.0	326.8	384.9	423.9
45°	0.0	16.1	22.0	21.4	72.6	140.8	206.8	281.6	344.2	422.2	465.1
42.5°	0.0	16.8	22.7	21.4	85.9	153.5	219.5	293.4	370.6	461.9	508.0
40°	0.0	17.4	23.4	22.2	98.2	165.0	231.2	303.8	394.4	502.0	533.2
37.5°	0.0	18.0	24.2	23.6	109.6	175.2	240.6	313.0	415.6	524.9	563.0
35°	0.0	18.5	25.0	30.2	117.0	182.3	248.1	322.2	424.2	536.7	578.5
32.5°	0.0	18.9	25.8	38.0	122.4	188.1	255.9	331.4	426.2	537.8	535.9
30°	0.0	19.3	26.7	44.7	127.1	194.0	264.0	340.3	422.1	524.1	494.8
27.5°	0.0	19.6	28.4	50.4	130.2	200.1	273.8	347.3	421.9	510.5	457.4
25°	0.0	20.0	30.3	55.0	133.0	206.3	282.5	352.4	425.4	479.7	524.3
22.5°	0.0	20.4	32.4	58.7	135.4	211.5	289.4	355.2	423.8	453.6	581.8
20°	0.0	20.7	34.7	61.5	137.6	213.6	294.1	356.1	418.4	434.5	635.5
17.5°	0.0	21.1	37.1	66.0	139.4	214.6	290.6	355.3	410.0	419.4	675.7
15°	0.0	21.4	39.6	70.5	140.8	214.1	283.3	351.4	399.5	404.9	707.7
12.5°	0.0	21.7	42.1	74.4	142.9	211.9	275.5	345.2	389.5	392.9	736.9
10°	0.0	22.0	44.7	77.7	144.8	209.1	267.1	338.6	380.3	400.7	741.4
7.5°	0.0	22.2	47.3	80.4	145.9	206.3	264.0	331.4	370.6	406.0	701.0
5°	0.0	22.4	49.9	82.7	146.4	203.2	261.8	322.2	347.8	399.1	639.1
2.5°	0.0	22.6	52.3	84.7	146.3	199.7	258.7	311.8	319.8	379.7	528.0
0°	0.0	22.7	54.6	86.4	145.6	195.7	254.8	300.4	291.3	355.0	409.6
-2.5°	0.0	22.7	54.5	84.6	142.1	192.1	252.8	295.5	288.1	345.5	394.6
-5°	0.0	22.7	54.3	82.7	138.1	187.7	250.4	290.1	285.1	335.2	378.8
-7.5°	0.0	22.6	53.8	80.7	133.6	182.5	247.6	284.3	280.7	323.8	365.2
-10°	0.0	22.4	53.2	78.8	128.6	176.3	243.8	276.2	271.9	311.2	351.1
-12.5°	0.0	22.2	52.4	77.0	123.2	170.5	237.5	267.2	263.6	298.5	340.7
-15°	0.0	22.0	51.5	75.3	117.7	166.0	231.1	258.1	258.0	289.0	331.6
-17.5°	0.0	21.7	50.4	73.8	113.2	162.0	224.5	251.1	255.5	278.3	323.5
-20°	0.0	21.4	49.1	72.8	108.4	158.1	219.4	246.0	253.3	268.0	316.8



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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NB-LO

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	21.0	47.7	72.8	103.4	153.3	213.9	241.1	253.2	257.3	308.7
-25°	0.0	20.6	46.1	72.8	98.2	147.7	206.6	236.6	255.3	244.8	294.1
-27.5°	0.0	20.2	44.3	72.8	92.9	141.2	198.5	232.7	252.1	237.8	275.9
-30°	0.0	19.7	42.4	72.8	87.7	133.7	189.8	228.8	246.5	240.5	262.7
-32.5°	0.0	19.2	40.9	72.8	84.0	125.2	180.4	224.8	238.7	241.8	249.5
-35°	0.0	18.6	39.4	72.8	80.7	115.8	170.4	219.0	230.3	241.3	233.4
-37.5°	0.0	18.0	38.0	72.0	79.1	109.3	160.6	207.3	220.9	236.1	226.3
-40°	0.0	17.4	37.2	69.2	79.8	107.9	153.1	192.8	211.9	226.5	226.4
-42.5°	0.0	16.8	36.2	66.4	79.9	105.3	144.7	179.9	202.6	216.7	226.8
-45°	0.0	16.1	35.1	63.6	79.3	101.5	133.5	168.8	193.1	206.4	220.8
-47.5°	0.0	15.4	33.7	60.9	78.0	96.5	120.4	156.5	182.3	195.5	212.1
-50°	0.0	14.6	32.2	58.2	75.8	90.5	113.0	142.1	172.6	184.8	202.9
-52.5°	0.0	13.8	30.5	55.6	73.3	87.1	109.4	128.2	164.0	177.2	192.7
-55°	0.0	13.0	28.6	53.1	70.2	84.3	108.8	116.2	150.2	170.0	182.3
-57.5°	0.0	12.2	26.6	50.6	66.9	80.4	109.1	114.8	137.0	162.2	174.0
-60°	0.0	11.4	24.4	47.9	63.5	75.4	98.9	112.5	126.0	154.0	165.6
-62.5°	0.0	10.5	22.1	45.1	60.1	70.4	88.5	108.9	120.6	147.2	157.0
-65°	0.0	9.6	19.6	42.3	56.5	66.0	77.9	96.5	112.9	133.0	149.5
-67.5°	0.0	8.7	17.4	39.4	52.8	61.4	69.9	83.9	102.4	116.9	135.9
-70°	0.0	7.8	15.5	36.6	48.9	56.8	64.4	71.9	92.3	105.5	119.1
-72.5°	0.0	6.8	13.7	33.6	45.1	52.2	58.8	65.4	83.9	98.9	110.9
-75°	0.0	5.9	11.8	30.3	41.3	47.4	53.2	58.8	78.0	91.5	106.8
-77.5°	0.0	4.9	9.8	25.7	37.5	42.6	47.4	52.2	71.8	81.3	93.9
-80°	0.0	3.9	7.9	20.9	31.3	37.8	41.6	45.4	60.5	69.3	76.4
-82.5°	0.0	3.0	5.9	15.8	23.6	29.5	35.2	38.7	46.2	52.1	57.6
-85°	0.0	2.0	4.0	10.6	15.8	19.7	23.5	27.3	31.1	34.8	38.4
-87.5°	0.0	1.0	2.0	5.3	7.9	9.8	11.8	13.7	15.6	17.4	19.2
-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: P902091 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NB-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°	10.5	11.4	12.2	13.0	13.8	14.6	15.4	16.1	16.8	17.4	18.0
85°	20.5	20.9	24.3	24.6	19.4	18.2	18.2	18.2	18.2	18.2	18.2
82.5°	29.0	28.0	35.9	35.1	22.5	23.2	26.7	22.5	22.4	24.4	18.9
80°	37.8	34.5	46.6	45.1	29.4	36.8	43.6	42.2	53.0	40.3	24.4
77.5°	46.9	52.6	64.8	67.1	74.2	67.4	87.7	101.8	108.8	88.3	103.3
75°	117.9	127.4	99.7	117.8	126.1	154.7	201.2	204.6	206.4	206.0	224.0
72.5°	209.7	214.9	213.8	220.2	217.2	266.4	316.4	318.1	345.9	367.4	387.2
70°	289.7	308.0	326.8	348.9	351.3	358.9	423.8	470.3	509.1	542.0	566.4
67.5°	365.3	398.5	439.3	427.1	395.4	402.4	497.5	605.2	651.5	696.6	759.0
65°	416.9	467.3	467.3	446.0	438.0	439.7	540.7	631.0	743.3	1053.0	1541.6
62.5°	441.3	455.1	478.8	476.5	487.6	535.6	613.3	791.5	1065.5	1646.4	2568.6
60°	430.5	461.8	504.8	508.2	558.0	666.4	812.1	1067.5	1470.7	2142.6	3199.0
57.5°	432.2	486.4	508.4	520.1	673.1	828.1	1063.0	1356.9	1744.2	2449.1	4138.1
55°	442.7	496.0	485.7	569.0	796.7	1034.6	1282.3	1572.9	2171.2	3239.6	6903.1
52.5°	450.1	508.6	494.6	597.1	902.0	1204.6	1479.3	1910.9	2794.3	4611.7	12309.1
50°	454.0	512.3	512.6	600.6	1014.4	1369.0	1711.2	2348.0	3575.8	6449.0	21633.5
47.5°	463.4	526.5	533.1	718.0	1176.2	1571.0	2064.1	2976.7	4805.5	12890.2	37873.2
45°	481.2	529.7	603.2	952.9	1412.2	1816.6	2451.2	3635.8	6807.2	21585.4	54529.5
42.5°	511.6	526.8	810.7	1223.6	1640.3	2067.6	2882.9	4676.5	11684.9	34156.3	68941.1
40°	519.3	637.0	1026.6	1485.2	1824.2	2408.6	3578.3	6694.7	17801.1	49306.1	82324.3
37.5°	514.6	805.5	1259.8	1637.9	2063.0	2868.3	4662.0	9492.5	28717.5	62026.3	91678.4
35°	546.3	958.2	1451.4	1743.0	2222.6	3300.4	6135.8	14021.8	37518.3	68902.8	94882.3
32.5°	666.5	1113.0	1500.8	1839.7	2397.1	3772.9	7136.1	17237.5	41928.1	70865.5	93092.9
30°	768.8	1243.7	1526.8	1894.9	2485.9	3834.7	7245.7	19345.5	46383.3	72226.6	90723.7
27.5°	857.8	1307.8	1560.8	1924.1	2579.9	4210.3	8599.3	23551.5	49625.9	72793.7	87853.9
25°	944.2	1318.6	1610.1	1983.7	2633.6	4423.0	9002.9	27182.1	52249.6	72705.8	83928.2
22.5°	1012.7	1324.0	1628.2	2029.6	2680.2	4624.4	11112.1	29745.1	52010.0	69009.0	77269.3
20°	1061.9	1329.2	1635.7	2047.5	2748.6	4773.4	12256.7	31457.0	50983.8	65373.6	70630.9
17.5°	1093.3	1340.0	1656.4	2042.8	2733.0	4674.7	12373.1	30967.6	47342.8	58592.4	62811.4
15°	1090.6	1342.8	1655.5	2036.2	2677.4	4874.1	13191.9	28915.4	42718.4	51987.7	54970.9
12.5°	1084.5	1339.2	1628.5	2007.6	2666.0	4707.1	12652.3	26001.2	37217.8	44409.2	46521.1
10°	1072.5	1316.5	1581.8	1943.5	2494.8	4213.5	11062.1	21935.0	30522.5	36306.6	38135.9
7.5°	970.3	1221.3	1522.2	1829.7	2294.6	3591.6	8873.3	17131.3	23844.7	28377.1	29859.7
5°	846.7	1050.5	1431.1	1732.5	2091.2	2982.5	6689.4	12398.2	17509.9	21115.6	22234.4
2.5°	653.4	796.9	1349.1	1571.8	1801.2	2399.4	4765.0	8388.4	12058.4	14922.6	15772.6
0°	450.6	509.7	1269.7	1323.4	1288.3	1601.9	3444.9	5470.1	7891.0	10066.3	10712.5
-2.5°	436.4	488.0	796.0	808.7	792.0	880.3	2288.1	3597.6	5063.6	6527.6	7075.9
-5°	421.4	468.8	516.8	565.2	612.9	676.1	1054.5	1777.0	2608.7	3346.3	3768.0
-7.5°	409.5	458.2	493.3	530.3	577.9	619.8	657.0	756.0	966.9	1224.5	1073.4
-10°	396.3	443.2	468.1	507.1	550.0	579.7	602.5	630.1	666.6	714.1	784.4
-12.5°	385.3	425.8	446.1	494.3	531.8	547.4	581.2	619.4	645.5	677.1	756.0
-15°	374.4	417.8	435.5	480.2	514.5	539.8	571.1	606.2	619.1	662.9	720.3
-17.5°	366.9	413.9	425.6	453.2	492.3	522.0	559.0	588.3	606.9	632.6	690.2
-20°	358.9	400.4	412.3	426.7	471.1	508.5	545.7	572.5	599.7	616.0	656.8



REPORT NUMBER: P902091 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NB-LO

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	349.8	383.6	379.0	393.2	451.2	494.5	530.7	563.5	585.2	606.1	634.9
-25°	338.9	360.0	343.2	380.7	432.0	480.1	515.0	554.2	572.8	599.8	615.0
-27.5°	321.9	351.3	340.0	370.9	410.0	457.6	500.5	534.9	563.9	574.5	594.9
-30°	303.5	343.9	339.7	361.0	389.9	428.1	482.4	515.1	550.9	557.1	583.6
-32.5°	289.8	327.1	342.9	353.4	381.9	410.5	455.5	497.3	530.0	559.0	573.4
-35°	277.1	312.7	345.8	346.2	376.7	396.6	433.3	471.0	515.9	547.7	573.0
-37.5°	259.1	298.0	333.5	352.1	369.3	397.1	410.4	436.7	482.9	525.5	566.9
-40°	237.9	280.6	315.8	360.0	366.5	392.2	397.2	408.1	454.1	486.4	542.0
-42.5°	218.8	254.8	291.4	337.3	367.5	371.0	359.4	375.6	415.7	454.1	501.7
-45°	222.5	229.9	263.8	307.3	328.9	321.8	311.0	337.8	373.7	426.4	458.6
-47.5°	225.9	213.2	234.7	269.6	273.6	266.4	276.8	301.4	328.6	379.9	431.2
-50°	218.2	216.2	205.3	233.2	241.4	220.3	244.4	269.2	293.9	324.7	380.5
-52.5°	207.5	216.9	208.5	208.6	228.5	220.0	216.6	239.8	263.5	292.0	330.3
-55°	196.3	206.3	218.0	207.4	204.4	223.4	222.1	212.1	231.9	260.3	291.3
-57.5°	185.7	196.4	210.6	215.9	199.4	200.0	218.2	236.1	226.2	230.6	260.9
-60°	176.1	186.3	208.6	212.4	193.7	185.2	194.6	218.4	249.0	256.6	253.6
-62.5°	166.6	176.1	211.4	208.2	179.4	178.6	184.3	198.1	223.4	251.7	258.4
-65°	160.8	166.6	202.5	202.8	165.7	181.5	188.8	188.2	188.8	219.2	244.3
-67.5°	157.8	166.0	178.3	175.1	155.9	168.2	179.4	197.5	211.5	214.0	225.3
-70°	144.8	162.2	164.6	153.2	144.4	159.9	168.9	184.6	203.7	227.1	236.8
-72.5°	131.4	150.4	150.9	136.4	130.5	145.4	162.0	171.4	188.0	209.2	206.8
-75°	120.1	134.4	137.3	127.0	127.1	129.2	143.6	160.8	172.6	182.9	175.9
-77.5°	104.4	113.0	118.3	120.2	131.9	136.0	146.9	158.7	164.4	165.7	151.3
-80°	83.7	90.7	97.4	111.6	137.8	143.2	149.6	160.8	164.6	165.4	156.9
-82.5°	62.9	68.1	73.2	86.4	104.0	113.0	124.9	143.3	150.8	156.7	162.2
-85°	42.0	45.5	48.9	55.9	64.6	69.5	77.6	91.8	97.7	102.9	104.5
-87.5°	21.0	22.7	24.4	26.1	27.7	29.2	30.7	32.2	33.5	34.9	36.1
-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°	18.2	18.2	18.2	18.4	19.2	19.1	18.2	18.2	18.2	19.0	19.5
85°	18.4	19.5	20.0	21.2	27.2	26.0	18.4	20.9	21.2	23.4	26.2
82.5°	22.4	32.7	31.6	43.4	44.0	36.7	23.8	28.3	30.0	32.6	37.8
80°	40.2	53.3	48.6	84.9	71.9	46.4	33.6	46.2	60.4	108.1	210.6
77.5°	116.6	112.5	109.3	117.0	116.8	105.2	94.5	87.7	115.3	194.0	480.5
75°	232.8	241.8	256.7	243.6	225.1	204.6	222.2	268.6	330.4	494.6	750.7
72.5°	381.3	396.9	442.1	459.6	456.8	442.5	453.1	514.9	650.0	833.0	1057.1
70°	542.2	579.4	685.3	712.1	711.8	990.5	1163.5	1294.2	1493.3	1695.9	1994.8
67.5°	915.9	1448.6	2056.4	2470.8	3045.7	3634.8	3928.1	4070.6	4292.4	4695.9	5474.0
65°	2361.5	3789.7	5380.1	6720.1	8097.5	9194.9	10022.9	10886.8	12132.0	13564.3	14549.0
62.5°	4086.6	6092.5	8641.8	11918.5	15861.5	19096.8	21849.6	26097.9	32152.4	35111.3	35944.7
60°	4867.5	8550.6	14119.1	23255.2	36553.8	51357.8	65158.9	78205.2	88856.7	96140.1	100067.6
57.5°	6810.8	17455.9	31925.5	49573.8	70613.5	92520.6	112566.2	133096.4	151361.3	165116.5	174932.6
55°	14186.4	36533.8	58226.3	77040.6	94435.8	114060.0	133883.3	155923.5	176017.3	193308.6	202592.8
52.5°	32462.8	59126.9	79470.6	92633.5	103855.2	117276.3	132318.8	148743.4	164769.0	178025.7	188827.9
50°	51982.1	78442.6	92798.2	101127.4	107803.0	114888.5	123106.3	130928.9	139373.4	147876.9	154807.9
47.5°	69210.3	90841.8	102656.4	107112.8	110556.7	113173.8	115980.5	118756.7	121022.0	123058.4	123952.2
45°	83177.6	99581.0	107832.9	110247.2	110863.5	110847.9	110155.1	109664.6	109745.3	109296.4	108344.2
42.5°	94412.9	107989.0	113365.7	114434.1	113645.9	109765.3	107327.2	105178.5	103689.6	102184.1	100599.1
40°	105192.7	116595.8	118742.7	115981.7	110815.0	105223.6	101951.3	99697.4	97592.6	95691.9	93996.6
37.5°	111343.2	119477.1	117309.3	109877.6	102452.9	98796.9	95901.6	93526.9	91298.3	89432.2	87713.1
35°	110101.4	113185.0	111943.8	103247.6	96703.9	93186.6	90049.6	87645.9	85536.5	83688.2	82004.4
32.5°	103232.5	105226.2	103340.2	98495.5	91991.6	87651.3	84540.4	82292.8	80140.6	78093.3	76219.6
30°	98125.6	98935.5	96763.4	93216.1	87682.4	82451.9	79414.3	76988.4	74534.4	72272.2	70318.3
27.5°	92658.6	92473.5	90024.9	86566.1	82453.5	77345.2	73915.1	71382.8	68750.0	66470.5	64698.6
25°	86191.6	85405.8	82578.3	79508.8	75616.7	71356.4	68035.7	65283.2	62907.7	60831.8	59128.0
22.5°	78828.2	77709.5	75148.5	72183.5	68632.3	64835.1	61766.3	59336.0	57129.3	55183.2	53669.7
20°	71179.3	69878.5	67633.1	64976.7	61707.9	58342.3	55823.1	53454.3	51568.8	49878.9	48382.2
17.5°	63097.3	61931.0	60083.7	57911.2	54940.4	52228.7	50023.1	47990.9	46210.5	44685.6	43385.5
15°	54946.6	53959.4	52492.5	50745.4	48365.3	46128.4	44284.0	42524.8	40951.2	39644.7	38398.0
12.5°	46646.5	45845.2	44902.1	43474.5	41655.2	39808.9	38323.5	36871.0	35603.5	34429.7	33462.5
10°	38282.1	37721.2	36979.6	36022.4	34605.4	33253.4	32047.6	30969.9	29940.2	29087.9	28258.7
7.5°	29993.5	29633.2	29129.4	28453.3	27318.5	26420.8	25617.2	24834.7	24127.3	23503.8	22912.7
5°	22300.0	21986.5	21764.7	21103.5	20407.4	19697.8	19187.3	18677.7	18264.1	17856.7	17523.8
2.5°	15820.6	15502.7	15585.4	14715.2	14186.6	13666.9	13345.6	13056.3	12841.9	12614.8	12433.6
0°	10694.3	10348.4	9938.9	9602.1	9192.6	8810.3	8610.0	8414.4	8246.0	8063.9	7918.3
-2.5°	7009.2	6706.7	6322.4	6004.9	5716.1	5455.4	5266.1	5076.6	4890.8	4760.3	4652.3
-5°	3515.2	3479.7	3249.0	2997.7	3090.0	3084.9	3022.4	2947.3	2857.6	2792.0	2724.9
-7.5°	862.5	1052.6	788.3	914.2	896.1	879.5	1092.8	1087.8	1069.7	1135.0	1326.0
-10°	825.8	817.5	773.3	775.9	779.7	741.9	701.9	683.8	688.5	710.3	811.1
-12.5°	835.2	865.4	833.5	814.1	782.5	723.8	697.6	690.6	687.1	681.0	673.5
-15°	835.4	921.6	918.4	858.0	768.7	714.5	693.0	690.4	681.3	675.8	681.7
-17.5°	804.0	918.2	972.6	896.9	759.6	709.6	698.8	698.4	691.4	699.4	705.2
-20°	730.9	847.5	946.8	891.2	770.4	722.5	722.6	719.6	723.9	735.3	741.5



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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°	680.6	777.9	883.7	853.4	773.4	745.9	760.3	760.4	775.0	781.7	781.9
-25°	646.1	721.3	817.2	808.6	760.1	764.1	792.7	806.5	814.9	818.0	814.4
-27.5°	609.6	662.3	731.9	741.2	729.1	751.4	791.5	814.2	821.8	827.3	822.3
-30°	592.3	613.0	646.4	666.6	685.9	727.2	757.5	777.5	783.1	792.9	778.6
-32.5°	588.3	598.2	620.0	640.9	662.5	678.8	698.9	713.8	731.4	736.0	728.2
-35°	604.0	614.9	646.6	666.6	675.1	675.0	681.5	692.7	694.6	703.3	706.3
-37.5°	617.1	672.3	710.4	738.3	727.8	727.3	706.5	702.8	698.9	695.5	692.7
-40°	602.0	714.4	783.1	811.0	801.2	776.1	756.0	719.8	709.1	706.2	703.7
-42.5°	591.5	730.7	830.1	864.0	847.4	807.6	770.7	743.1	724.5	715.3	713.4
-45°	558.9	719.0	824.8	862.8	868.4	849.8	798.1	772.4	760.6	733.5	723.9
-47.5°	515.2	653.6	784.0	827.2	832.1	840.5	810.8	790.3	784.2	781.3	778.9
-50°	440.2	553.6	650.4	713.1	745.4	771.2	770.7	770.7	758.7	767.6	775.0
-52.5°	377.2	452.7	521.0	588.1	621.7	639.0	659.0	663.2	674.9	680.8	695.6
-55°	331.4	383.5	440.4	498.5	534.4	560.7	575.3	584.0	593.6	602.2	610.8
-57.5°	294.4	336.0	380.3	422.8	458.5	481.7	493.6	513.7	531.2	546.2	552.2
-60°	268.5	300.3	334.9	362.7	392.2	414.5	430.2	441.9	452.0	460.7	468.7
-62.5°	259.7	282.0	303.8	320.2	345.8	359.0	377.6	389.0	400.2	411.8	421.2
-65°	245.0	275.9	302.0	314.4	380.3	339.3	356.3	361.1	361.6	373.7	384.2
-67.5°	229.5	259.1	284.3	312.2	336.1	335.2	370.3	394.8	359.0	364.4	376.3
-70°	212.7	233.2	257.9	287.3	303.1	314.8	328.5	342.6	353.2	366.5	375.8
-72.5°	196.0	213.8	231.9	250.0	265.3	283.7	296.4	305.9	318.5	327.9	337.5
-75°	179.4	196.8	207.6	220.9	236.7	249.4	256.2	272.7	286.6	296.0	304.3
-77.5°	155.1	177.8	188.5	196.0	209.4	214.2	230.9	235.8	238.1	253.5	260.1
-80°	160.1	177.9	183.9	184.3	196.7	200.7	214.5	216.3	215.7	229.1	234.8
-82.5°	166.8	183.5	188.1	180.3	193.3	203.4	208.3	205.6	196.4	201.1	210.2
-85°	103.5	117.0	122.3	124.3	137.8	151.3	154.7	153.2	141.2	142.9	149.5
-87.5°	37.9	40.3	42.4	44.3	47.3	50.5	52.3	53.2	51.5	52.4	53.2
-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°	31.2	31.1	28.2	45.5	28.2	31.1	31.2	19.5	19.0	18.2	18.2
85°	101.6	91.6	122.4	206.6	122.4	91.6	101.6	26.2	23.4	21.2	20.9
82.5°	199.7	350.1	453.0	489.2	453.0	350.1	199.7	37.8	32.6	30.0	28.3
80°	461.8	618.2	764.9	779.1	764.9	618.2	461.8	210.6	108.1	60.4	46.2
77.5°	707.6	970.5	1177.0	1293.4	1177.0	970.5	707.6	480.5	194.0	115.3	87.7
75°	1002.2	1316.2	1607.4	1893.2	1607.4	1316.2	1002.2	750.7	494.6	330.4	268.6
72.5°	1336.4	1736.8	2145.9	2484.7	2145.9	1736.8	1336.4	1057.1	833.0	650.0	514.9
70°	2624.2	3230.6	3637.4	3786.2	3637.4	3230.6	2624.2	1994.8	1695.9	1493.3	1294.2
67.5°	6324.8	7047.2	7513.1	7663.5	7513.1	7047.2	6324.8	5474.0	4695.9	4292.4	4070.6
65°	15340.1	15907.6	16143.6	16173.4	16143.6	15907.6	15340.1	14549.0	13564.3	12132.0	10886.8
62.5°	35698.5	34724.3	33734.4	33325.2	33734.4	34724.3	35698.5	35944.7	35111.3	32152.4	26097.9
60°	100703.4	98657.9	96208.5	94874.3	96208.5	98657.9	100703.4	100067.6	96140.1	88856.7	78205.2
57.5°	177873.8	178174.6	178006.4	177834.7	178006.4	178174.6	177873.8	174932.6	165116.5	151361.3	133096.4
55°	207768.6	210454.3	211835.7	212365.9	211835.7	210454.3	207768.6	202592.8	193308.6	176017.3	155923.5
52.5°	195705.0	199762.1	201952.0	202772.8	201952.0	199762.1	195705.0	188827.9	178025.7	164769.0	148743.4
50°	159802.6	163095.5	165550.2	166849.1	165550.2	163095.5	159802.6	154807.9	147876.9	139373.4	130928.9
47.5°	124113.1	124886.5	125236.6	125309.8	125236.6	124886.5	124113.1	123952.2	123058.4	121022.0	118756.7
45°	107740.7	107070.4	106421.8	106269.4	106421.8	107070.4	107740.7	108344.2	109296.4	109745.3	109664.6
42.5°	99270.2	98286.5	97621.8	97454.6	97621.8	98286.5	99270.2	100599.1	102184.1	103689.6	105178.5
40°	92588.0	91513.5	90810.1	90614.8	90810.1	91513.5	92588.0	93996.6	95691.9	97592.6	99697.4
37.5°	86293.5	85215.7	84533.6	84343.8	84533.6	85215.7	86293.5	87713.1	89432.2	91298.3	93526.9
35°	80548.5	79357.4	78612.3	78373.2	78612.3	79357.4	80548.5	82004.4	83688.2	85536.5	87645.9
32.5°	74559.0	73216.1	72388.0	72102.3	72388.0	73216.1	74559.0	76219.6	78093.3	80140.6	82292.8
30°	68741.1	67594.5	66851.6	66623.2	66851.6	67594.5	68741.1	70318.3	72272.2	74534.4	76988.4
27.5°	63305.8	62282.9	61526.4	61276.0	61526.4	62282.9	63305.8	64698.6	66470.5	68750.0	71382.8
25°	57777.1	56768.8	56068.1	55847.0	56068.1	56768.8	57777.1	59128.0	60831.8	62907.7	65283.2
22.5°	52396.9	51390.1	50736.2	50540.8	50736.2	51390.1	52396.9	53669.7	55183.2	57129.3	59336.0
20°	47169.9	46245.8	45708.9	45562.2	45708.9	46245.8	47169.9	48382.2	49878.9	51568.8	53454.3
17.5°	42213.3	41336.4	40864.5	40815.8	40864.5	41336.4	42213.3	43385.5	44685.6	46210.5	47990.9
15°	37406.1	36653.7	36216.8	36215.0	36216.8	36653.7	37406.1	38398.0	39644.7	40951.2	42524.8
12.5°	32565.3	31884.8	31475.4	31450.3	31475.4	31884.8	32565.3	33462.5	34429.7	35603.5	36871.0
10°	27565.2	27045.8	26730.4	26685.7	26730.4	27045.8	27565.2	28258.7	29087.9	29940.2	30969.9
7.5°	22431.6	22027.7	21730.8	21620.7	21730.8	22027.7	22431.6	22912.7	23503.8	24127.3	24834.7
5°	17205.1	16939.8	16755.8	16683.1	16755.8	16939.8	17205.1	17523.8	17856.7	18264.1	18677.7
2.5°	12229.3	12106.6	12033.8	11991.3	12033.8	12106.6	12229.3	12433.6	12614.8	12841.9	13056.3
0°	7781.8	7763.6	7772.7	7772.7	7772.7	7763.6	7781.8	7918.3	8063.9	8246.0	8414.4
-2.5°	4597.8	4605.9	4649.0	4550.8	4649.0	4605.9	4597.8	4652.3	4760.3	4890.8	5076.6
-5°	2849.3	2302.4	2506.7	2348.2	2506.7	2302.4	2849.3	2724.9	2792.0	2857.6	2947.3
-7.5°	1148.9	1280.0	1386.9	1358.0	1386.9	1280.0	1148.9	1326.0	1135.0	1069.7	1087.8
-10°	666.5	823.3	654.3	648.0	654.3	823.3	666.5	811.1	710.3	688.5	683.8
-12.5°	670.9	661.6	658.7	654.4	658.7	661.6	670.9	673.5	681.0	687.1	690.6
-15°	678.5	672.4	667.0	662.6	667.0	672.4	678.5	681.7	675.8	681.3	690.4
-17.5°	702.2	695.9	691.8	688.6	691.8	695.9	702.2	705.2	699.4	691.4	698.4
-20°	737.2	730.8	731.7	729.9	731.7	730.8	737.2	741.5	735.3	723.9	719.6



REPORT NUMBER: P902091 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NB-LO

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	773.9	769.3	761.8	759.5	761.8	769.3	773.9	781.9	781.7	775.0	760.4
-25°	806.3	791.6	781.0	779.1	781.0	791.6	806.3	814.4	818.0	814.9	806.5
-27.5°	805.5	794.7	779.6	775.4	779.6	794.7	805.5	822.3	827.3	821.8	814.2
-30°	762.3	744.7	737.3	731.8	737.3	744.7	762.3	778.6	792.9	783.1	777.5
-32.5°	718.0	703.6	697.3	698.1	697.3	703.6	718.0	728.2	736.0	731.4	713.8
-35°	689.8	684.2	682.5	682.6	682.5	684.2	689.8	706.3	703.3	694.6	692.7
-37.5°	690.5	688.9	687.9	687.6	687.9	688.9	690.5	692.7	695.5	698.9	702.8
-40°	701.6	700.2	699.3	699.0	699.3	700.2	701.6	703.7	706.2	709.1	719.8
-42.5°	711.9	707.5	707.5	701.3	707.5	707.5	711.9	713.4	715.3	724.5	743.1
-45°	734.8	717.6	715.6	724.5	715.6	717.6	734.8	723.9	733.5	760.6	772.4
-47.5°	776.5	769.4	765.4	775.0	765.4	769.4	776.5	778.9	781.3	784.2	790.3
-50°	772.9	777.5	779.5	788.2	779.5	777.5	772.9	775.0	767.6	758.7	770.7
-52.5°	677.7	686.2	691.4	693.1	691.4	686.2	677.7	695.6	680.8	674.9	663.2
-55°	610.9	613.8	615.6	616.2	615.6	613.8	610.9	610.8	602.2	593.6	584.0
-57.5°	550.4	560.6	550.2	570.7	550.2	560.6	550.4	552.2	546.2	531.2	513.7
-60°	474.7	478.0	479.9	480.6	479.9	478.0	474.7	468.7	460.7	452.0	441.9
-62.5°	428.4	430.3	431.5	433.7	431.5	430.3	428.4	421.2	411.8	400.2	389.0
-65°	390.6	398.9	401.1	405.0	401.1	398.9	390.6	384.2	373.7	361.6	361.1
-67.5°	381.6	383.7	384.5	384.6	384.5	383.7	381.6	376.3	364.4	359.0	394.8
-70°	380.4	389.2	399.6	400.5	399.6	389.2	380.4	375.8	366.5	353.2	342.6
-72.5°	350.4	353.7	354.7	355.0	354.7	353.7	350.4	337.5	327.9	318.5	305.9
-75°	307.1	308.4	316.3	318.6	316.3	308.4	307.1	304.3	296.0	286.6	272.7
-77.5°	261.9	269.7	280.7	282.1	280.7	269.7	261.9	260.1	253.5	238.1	235.8
-80°	235.7	236.2	236.5	254.8	236.5	236.2	235.7	234.8	229.1	215.7	216.3
-82.5°	211.0	211.3	211.5	213.8	211.5	211.3	211.0	210.2	201.1	196.4	205.6
-85°	151.0	152.1	152.7	159.2	152.7	152.1	151.0	149.5	142.9	141.2	153.2
-87.5°	53.8	54.3	54.5	56.9	54.5	54.3	53.8	53.2	52.4	51.5	53.2
-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: P902091 (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°	18.2	19.1	19.2	18.4	18.2	18.2	18.2	18.0	17.4	16.8	16.1
85°	18.4	26.0	27.2	21.2	20.0	19.5	18.4	18.2	18.2	18.2	18.2
82.5°	23.8	36.7	44.0	43.4	31.6	32.7	22.4	18.9	24.4	22.4	22.5
80°	33.6	46.4	71.9	84.9	48.6	53.3	40.2	24.4	40.3	53.0	42.2
77.5°	94.5	105.2	116.8	117.0	109.3	112.5	116.6	103.3	88.3	108.8	101.8
75°	222.2	204.6	225.1	243.6	256.7	241.8	232.8	224.0	206.0	206.4	204.6
72.5°	453.1	442.5	456.8	459.6	442.1	396.9	381.3	387.2	367.4	345.9	318.1
70°	1163.5	990.5	711.8	712.1	685.3	579.4	542.2	566.4	542.0	509.1	470.3
67.5°	3928.1	3634.8	3045.7	2470.8	2056.4	1448.6	915.9	759.0	696.6	651.5	605.2
65°	10022.9	9194.9	8097.5	6720.1	5380.1	3789.7	2361.5	1541.6	1053.0	743.3	631.0
62.5°	21849.6	19096.8	15861.5	11918.5	8641.8	6092.5	4086.6	2568.6	1646.4	1065.5	791.5
60°	65158.9	51357.8	36553.8	23255.2	14119.1	8550.6	4867.5	3199.0	2142.6	1470.7	1067.5
57.5°	112566.2	92520.6	70613.5	49573.8	31925.5	17455.9	6810.8	4138.1	2449.1	1744.2	1356.9
55°	133883.3	114060.0	94435.8	77040.6	58226.3	36533.8	14186.4	6903.1	3239.6	2171.2	1572.9
52.5°	132318.8	117276.3	103855.2	92633.5	79470.6	59126.9	32462.8	12309.1	4611.7	2794.3	1910.9
50°	123106.3	114888.5	107803.0	101127.4	92798.2	78442.6	51982.1	21633.5	6449.0	3575.8	2348.0
47.5°	115980.5	113173.8	110556.7	107112.8	102656.4	90841.8	69210.3	37873.2	12890.2	4805.5	2976.7
45°	110155.1	110847.9	110863.5	110247.2	107832.9	99581.0	83177.6	54529.5	21585.4	6807.2	3635.8
42.5°	107327.2	109765.3	113645.9	114434.1	113365.7	107989.0	94412.9	68941.1	34156.3	11684.9	4676.5
40°	101951.3	105223.6	110815.0	115981.7	118742.7	116595.8	105192.7	82324.3	49306.1	17801.1	6694.7
37.5°	95901.6	98796.9	102452.9	109877.6	117309.3	119477.1	111343.2	91678.4	62026.3	28717.5	9492.5
35°	90049.6	93186.6	96703.9	103247.6	111943.8	113185.0	110101.4	94882.3	68902.8	37518.3	14021.8
32.5°	84540.4	87651.3	91991.6	98495.5	103340.2	105226.2	103232.5	93092.9	70865.5	41928.1	17237.5
30°	79414.3	82451.9	87682.4	93216.1	96763.4	98935.5	98125.6	90723.7	72226.6	46383.3	19345.5
27.5°	73915.1	77345.2	82453.5	86566.1	90024.9	92473.5	92658.6	87853.9	72793.7	49625.9	23551.5
25°	68035.7	71356.4	75616.7	79508.8	82578.3	85405.8	86191.6	83928.2	72705.8	52249.6	27182.1
22.5°	61766.3	64835.1	68632.3	72183.5	75148.5	77709.5	78828.2	77269.3	69009.0	52010.0	29745.1
20°	55823.1	58342.3	61707.9	64976.7	67633.1	69878.5	71179.3	70630.9	65373.6	50983.8	31457.0
17.5°	50023.1	52228.7	54940.4	57911.2	60083.7	61931.0	63097.3	62811.4	58592.4	47342.8	30967.6
15°	44284.0	46128.4	48365.3	50745.4	52492.5	53959.4	54946.6	54970.9	51987.7	42718.4	28915.4
12.5°	38323.5	39808.9	41655.2	43474.5	44902.1	45845.2	46646.5	46521.1	44409.2	37217.8	26001.2
10°	32047.6	33253.4	34605.4	36022.4	36979.6	37721.2	38282.1	38135.9	36306.6	30522.5	21935.0
7.5°	25617.2	26420.8	27318.5	28453.3	29129.4	29633.2	29993.5	29859.7	28377.1	23844.7	17131.3
5°	19187.3	19697.8	20407.4	21103.5	21764.7	21986.5	22300.0	22234.4	21115.6	17509.9	12398.2
2.5°	13345.6	13666.9	14186.6	14715.2	15585.4	15502.7	15820.6	15772.6	14922.6	12058.4	8388.4
0°	8610.0	8810.3	9192.6	9602.1	9938.9	10348.4	10694.3	10712.5	10066.3	7891.0	5470.1
-2.5°	5266.1	5455.4	5716.1	6004.9	6322.4	6706.7	7009.2	7075.9	6527.6	5063.6	3597.6
-5°	3022.4	3084.9	3090.0	2997.7	3249.0	3479.7	3515.2	3768.0	3346.3	2608.7	1777.0
-7.5°	1092.8	879.5	896.1	914.2	788.3	1052.6	862.5	1073.4	1224.5	966.9	756.0
-10°	701.9	741.9	779.7	775.9	773.3	817.5	825.8	784.4	714.1	666.6	630.1
-12.5°	697.6	723.8	782.5	814.1	833.5	865.4	835.2	756.0	677.1	645.5	619.4
-15°	693.0	714.5	768.7	858.0	918.4	921.6	835.4	720.3	662.9	619.1	606.2
-17.5°	698.8	709.6	759.6	896.9	972.6	918.2	804.0	690.2	632.6	606.9	588.3
-20°	722.6	722.5	770.4	891.2	946.8	847.5	730.9	656.8	616.0	599.7	572.5



REPORT NUMBER: P902091 (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°	760.3	745.9	773.4	853.4	883.7	777.9	680.6	634.9	606.1	585.2	563.5
-25°	792.7	764.1	760.1	808.6	817.2	721.3	646.1	615.0	599.8	572.8	554.2
-27.5°	791.5	751.4	729.1	741.2	731.9	662.3	609.6	594.9	574.5	563.9	534.9
-30°	757.5	727.2	685.9	666.6	646.4	613.0	592.3	583.6	557.1	550.9	515.1
-32.5°	698.9	678.8	662.5	640.9	620.0	598.2	588.3	573.4	559.0	530.0	497.3
-35°	681.5	675.0	675.1	666.6	646.6	614.9	604.0	573.0	547.7	515.9	471.0
-37.5°	706.5	727.3	727.8	738.3	710.4	672.3	617.1	566.9	525.5	482.9	436.7
-40°	756.0	776.1	801.2	811.0	783.1	714.4	602.0	542.0	486.4	454.1	408.1
-42.5°	770.7	807.6	847.4	864.0	830.1	730.7	591.5	501.7	454.1	415.7	375.6
-45°	798.1	849.8	868.4	862.8	824.8	719.0	558.9	458.6	426.4	373.7	337.8
-47.5°	810.8	840.5	832.1	827.2	784.0	653.6	515.2	431.2	379.9	328.6	301.4
-50°	770.7	771.2	745.4	713.1	650.4	553.6	440.2	380.5	324.7	293.9	269.2
-52.5°	659.0	639.0	621.7	588.1	521.0	452.7	377.2	330.3	292.0	263.5	239.8
-55°	575.3	560.7	534.4	498.5	440.4	383.5	331.4	291.3	260.3	231.9	212.1
-57.5°	493.6	481.7	458.5	422.8	380.3	336.0	294.4	260.9	230.6	226.2	236.1
-60°	430.2	414.5	392.2	362.7	334.9	300.3	268.5	253.6	256.6	249.0	218.4
-62.5°	377.6	359.0	345.8	320.2	303.8	282.0	259.7	258.4	251.7	223.4	198.1
-65°	356.3	339.3	380.3	314.4	302.0	275.9	245.0	244.3	219.2	188.8	188.2
-67.5°	370.3	335.2	336.1	312.2	284.3	259.1	229.5	225.3	214.0	211.5	197.5
-70°	328.5	314.8	303.1	287.3	257.9	233.2	212.7	236.8	227.1	203.7	184.6
-72.5°	296.4	283.7	265.3	250.0	231.9	213.8	196.0	206.8	209.2	188.0	171.4
-75°	256.2	249.4	236.7	220.9	207.6	196.8	179.4	175.9	182.9	172.6	160.8
-77.5°	230.9	214.2	209.4	196.0	188.5	177.8	155.1	151.3	165.7	164.4	158.7
-80°	214.5	200.7	196.7	184.3	183.9	177.9	160.1	156.9	165.4	164.6	160.8
-82.5°	208.3	203.4	193.3	180.3	188.1	183.5	166.8	162.2	156.7	150.8	143.3
-85°	154.7	151.3	137.8	124.3	122.3	117.0	103.5	104.5	102.9	97.7	91.8
-87.5°	52.3	50.5	47.3	44.3	42.4	40.3	37.9	36.1	34.9	33.5	32.2
-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: P902091 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NB-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°	15.4	14.6	13.8	13.0	12.2	11.4	10.5	9.6	8.7	7.8	6.8
85°	18.2	18.2	19.4	24.6	24.3	20.9	20.5	19.2	17.4	15.5	13.7
82.5°	26.7	23.2	22.5	35.1	35.9	28.0	29.0	28.8	26.1	23.3	20.5
80°	43.6	36.8	29.4	45.1	46.6	34.5	37.8	38.4	34.7	31.0	27.2
77.5°	87.7	67.4	74.2	67.1	64.8	52.6	46.9	49.2	48.8	42.1	34.0
75°	201.2	154.7	126.1	117.8	99.7	127.4	117.9	80.7	65.6	60.9	43.9
72.5°	316.4	266.4	217.2	220.2	213.8	214.9	209.7	162.8	110.7	78.5	55.0
70°	423.8	358.9	351.3	348.9	326.8	308.0	289.7	236.6	165.6	112.5	65.2
67.5°	497.5	402.4	395.4	427.1	439.3	398.5	365.3	299.6	213.3	147.5	91.2
65°	540.7	439.7	438.0	446.0	467.3	467.3	416.9	348.3	253.0	180.3	118.6
62.5°	613.3	535.6	487.6	476.5	478.8	455.1	441.3	362.6	285.2	210.5	144.4
60°	812.1	666.4	558.0	508.2	504.8	461.8	430.5	377.7	316.1	239.1	165.3
57.5°	1063.0	828.1	673.1	520.1	508.4	486.4	432.2	377.5	344.8	260.8	184.5
55°	1282.3	1034.6	796.7	569.0	485.7	496.0	442.7	365.6	340.6	280.5	205.0
52.5°	1479.3	1204.6	902.0	597.1	494.6	508.6	450.1	370.4	337.6	298.7	225.8
50°	1711.2	1369.0	1014.4	600.6	512.6	512.3	454.0	389.1	350.2	310.0	245.8
47.5°	2064.1	1571.0	1176.2	718.0	533.1	526.5	463.4	423.9	384.9	326.8	265.0
45°	2451.2	1816.6	1412.2	952.9	603.2	529.7	481.2	465.1	422.2	344.2	281.6
42.5°	2882.9	2067.6	1640.3	1223.6	810.7	526.8	511.6	508.0	461.9	370.6	293.4
40°	3578.3	2408.6	1824.2	1485.2	1026.6	637.0	519.3	533.2	502.0	394.4	303.8
37.5°	4662.0	2868.3	2063.0	1637.9	1259.8	805.5	514.6	563.0	524.9	415.6	313.0
35°	6135.8	3300.4	2222.6	1743.0	1451.4	958.2	546.3	578.5	536.7	424.2	322.2
32.5°	7136.1	3772.9	2397.1	1839.7	1500.8	1113.0	666.5	535.9	537.8	426.2	331.4
30°	7245.7	3834.7	2485.9	1894.9	1526.8	1243.7	768.8	494.8	524.1	422.1	340.3
27.5°	8599.3	4210.3	2579.9	1924.1	1560.8	1307.8	857.8	457.4	510.5	421.9	347.3
25°	9002.9	4423.0	2633.6	1983.7	1610.1	1318.6	944.2	524.3	479.7	425.4	352.4
22.5°	11112.1	4624.4	2680.2	2029.6	1628.2	1324.0	1012.7	581.8	453.6	423.8	355.2
20°	12256.7	4773.4	2748.6	2047.5	1635.7	1329.2	1061.9	635.5	434.5	418.4	356.1
17.5°	12373.1	4674.7	2733.0	2042.8	1656.4	1340.0	1093.3	675.7	419.4	410.0	355.3
15°	13191.9	4874.1	2677.4	2036.2	1655.5	1342.8	1090.6	707.7	404.9	399.5	351.4
12.5°	12652.3	4707.1	2666.0	2007.6	1628.5	1339.2	1084.5	736.9	392.9	389.5	345.2
10°	11062.1	4213.5	2494.8	1943.5	1581.8	1316.5	1072.5	741.4	400.7	380.3	338.6
7.5°	8873.3	3591.6	2294.6	1829.7	1522.2	1221.3	970.3	701.0	406.0	370.6	331.4
5°	6689.4	2982.5	2091.2	1732.5	1431.1	1050.5	846.7	639.1	399.1	347.8	322.2
2.5°	4765.0	2399.4	1801.2	1571.8	1349.1	796.9	653.4	528.0	379.7	319.8	311.8
0°	3444.9	1601.9	1288.3	1323.4	1269.7	509.7	450.6	409.6	355.0	291.3	300.4
-2.5°	2288.1	880.3	792.0	808.7	796.0	488.0	436.4	394.6	345.5	288.1	295.5
-5°	1054.5	676.1	612.9	565.2	516.8	468.8	421.4	378.8	335.2	285.1	290.1
-7.5°	657.0	619.8	577.9	530.3	493.3	458.2	409.5	365.2	323.8	280.7	284.3
-10°	602.5	579.7	550.0	507.1	468.1	443.2	396.3	351.1	311.2	271.9	276.2
-12.5°	581.2	547.4	531.8	494.3	446.1	425.8	385.3	340.7	298.5	263.6	267.2
-15°	571.1	539.8	514.5	480.2	435.5	417.8	374.4	331.6	289.0	258.0	258.1
-17.5°	559.0	522.0	492.3	453.2	425.6	413.9	366.9	323.5	278.3	255.5	251.1
-20°	545.7	508.5	471.1	426.7	412.3	400.4	358.9	316.8	268.0	253.3	246.0



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	530.7	494.5	451.2	393.2	379.0	383.6	349.8	308.7	257.3	253.2	241.1
-25°	515.0	480.1	432.0	380.7	343.2	360.0	338.9	294.1	244.8	255.3	236.6
-27.5°	500.5	457.6	410.0	370.9	340.0	351.3	321.9	275.9	237.8	252.1	232.7
-30°	482.4	428.1	389.9	361.0	339.7	343.9	303.5	262.7	240.5	246.5	228.8
-32.5°	455.5	410.5	381.9	353.4	342.9	327.1	289.8	249.5	241.8	238.7	224.8
-35°	433.3	396.6	376.7	346.2	345.8	312.7	277.1	233.4	241.3	230.3	219.0
-37.5°	410.4	397.1	369.3	352.1	333.5	298.0	259.1	226.3	236.1	220.9	207.3
-40°	397.2	392.2	366.5	360.0	315.8	280.6	237.9	226.4	226.5	211.9	192.8
-42.5°	359.4	371.0	367.5	337.3	291.4	254.8	218.8	226.8	216.7	202.6	179.9
-45°	311.0	321.8	328.9	307.3	263.8	229.9	222.5	220.8	206.4	193.1	168.8
-47.5°	276.8	266.4	273.6	269.6	234.7	213.2	225.9	212.1	195.5	182.3	156.5
-50°	244.4	220.3	241.4	233.2	205.3	216.2	218.2	202.9	184.8	172.6	142.1
-52.5°	216.6	220.0	228.5	208.6	208.5	216.9	207.5	192.7	177.2	164.0	128.2
-55°	222.1	223.4	204.4	207.4	218.0	206.3	196.3	182.3	170.0	150.2	116.2
-57.5°	218.2	200.0	199.4	215.9	210.6	196.4	185.7	174.0	162.2	137.0	114.8
-60°	194.6	185.2	193.7	212.4	208.6	186.3	176.1	165.6	154.0	126.0	112.5
-62.5°	184.3	178.6	179.4	208.2	211.4	176.1	166.6	157.0	147.2	120.6	108.9
-65°	188.8	181.5	165.7	202.8	202.5	166.6	160.8	149.5	133.0	112.9	96.5
-67.5°	179.4	168.2	155.9	175.1	178.3	166.0	157.8	135.9	116.9	102.4	83.9
-70°	168.9	159.9	144.4	153.2	164.6	162.2	144.8	119.1	105.5	92.3	71.9
-72.5°	162.0	145.4	130.5	136.4	150.9	150.4	131.4	110.9	98.9	83.9	65.4
-75°	143.6	129.2	127.1	127.0	137.3	134.4	120.1	106.8	91.5	78.0	58.8
-77.5°	146.9	136.0	131.9	120.2	118.3	113.0	104.4	93.9	81.3	71.8	52.2
-80°	149.6	143.2	137.8	111.6	97.4	90.7	83.7	76.4	69.3	60.5	45.4
-82.5°	124.9	113.0	104.0	86.4	73.2	68.1	62.9	57.6	52.1	46.2	38.7
-85°	77.6	69.5	64.6	55.9	48.9	45.5	42.0	38.4	34.8	31.1	27.3
-87.5°	30.7	29.2	27.7	26.1	24.4	22.7	21.0	19.2	17.4	15.6	13.7
-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°	5.9	4.9	3.9	3.0	2.0	1.0	0.0
85°	11.8	9.8	7.9	5.9	4.0	2.0	0.0
82.5°	17.6	14.7	11.8	8.9	5.9	3.0	0.0
80°	23.2	18.9	15.7	11.8	7.9	3.9	0.0
77.5°	28.5	21.5	19.1	14.7	9.8	4.9	0.0
75°	33.3	24.1	21.5	17.6	11.8	5.9	0.0
72.5°	38.5	26.8	23.7	18.6	13.7	6.8	0.0
70°	43.0	29.4	25.6	19.1	15.5	7.8	0.0
67.5°	46.3	31.9	27.2	19.6	17.4	8.7	0.0
65°	57.9	34.5	28.3	20.0	18.4	9.6	0.0
62.5°	79.6	37.4	28.9	20.4	18.7	10.5	0.0
60°	100.8	47.3	29.1	20.7	19.0	11.4	0.0
57.5°	121.7	64.9	28.9	21.0	19.4	12.2	0.0
55°	141.1	81.2	28.3	21.1	19.8	13.0	0.0
52.5°	160.0	96.2	30.1	21.2	20.3	13.8	0.0
50°	177.4	112.0	44.0	21.3	20.8	14.6	0.0
47.5°	193.1	126.9	58.4	21.4	21.4	15.4	0.0
45°	206.8	140.8	72.6	21.4	22.0	16.1	0.0
42.5°	219.5	153.5	85.9	21.4	22.7	16.8	0.0
40°	231.2	165.0	98.2	22.2	23.4	17.4	0.0
37.5°	240.6	175.2	109.6	23.6	24.2	18.0	0.0
35°	248.1	182.3	117.0	30.2	25.0	18.5	0.0
32.5°	255.9	188.1	122.4	38.0	25.8	18.9	0.0
30°	264.0	194.0	127.1	44.7	26.7	19.3	0.0
27.5°	273.8	200.1	130.2	50.4	28.4	19.6	0.0
25°	282.5	206.3	133.0	55.0	30.3	20.0	0.0
22.5°	289.4	211.5	135.4	58.7	32.4	20.4	0.0
20°	294.1	213.6	137.6	61.5	34.7	20.7	0.0
17.5°	290.6	214.6	139.4	66.0	37.1	21.1	0.0
15°	283.3	214.1	140.8	70.5	39.6	21.4	0.0
12.5°	275.5	211.9	142.9	74.4	42.1	21.7	0.0
10°	267.1	209.1	144.8	77.7	44.7	22.0	0.0
7.5°	264.0	206.3	145.9	80.4	47.3	22.2	0.0
5°	261.8	203.2	146.4	82.7	49.9	22.4	0.0
2.5°	258.7	199.7	146.3	84.7	52.3	22.6	0.0
0°	254.8	195.7	145.6	86.4	54.6	22.7	0.0
-2.5°	252.8	192.1	142.1	84.6	54.5	22.7	0.0
-5°	250.4	187.7	138.1	82.7	54.3	22.7	0.0
-7.5°	247.6	182.5	133.6	80.7	53.8	22.6	0.0
-10°	243.8	176.3	128.6	78.8	53.2	22.4	0.0
-12.5°	237.5	170.5	123.2	77.0	52.4	22.2	0.0
-15°	231.1	166.0	117.7	75.3	51.5	22.0	0.0
-17.5°	224.5	162.0	113.2	73.8	50.4	21.7	0.0
-20°	219.4	158.1	108.4	72.8	49.1	21.4	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	213.9	153.3	103.4	72.8	47.7	21.0	0.0
-25°	206.6	147.7	98.2	72.8	46.1	20.6	0.0
-27.5°	198.5	141.2	92.9	72.8	44.3	20.2	0.0
-30°	189.8	133.7	87.7	72.8	42.4	19.7	0.0
-32.5°	180.4	125.2	84.0	72.8	40.9	19.2	0.0
-35°	170.4	115.8	80.7	72.8	39.4	18.6	0.0
-37.5°	160.6	109.3	79.1	72.0	38.0	18.0	0.0
-40°	153.1	107.9	79.8	69.2	37.2	17.4	0.0
-42.5°	144.7	105.3	79.9	66.4	36.2	16.8	0.0
-45°	133.5	101.5	79.3	63.6	35.1	16.1	0.0
-47.5°	120.4	96.5	78.0	60.9	33.7	15.4	0.0
-50°	113.0	90.5	75.8	58.2	32.2	14.6	0.0
-52.5°	109.4	87.1	73.3	55.6	30.5	13.8	0.0
-55°	108.8	84.3	70.2	53.1	28.6	13.0	0.0
-57.5°	109.1	80.4	66.9	50.6	26.6	12.2	0.0
-60°	98.9	75.4	63.5	47.9	24.4	11.4	0.0
-62.5°	88.5	70.4	60.1	45.1	22.1	10.5	0.0
-65°	77.9	66.0	56.5	42.3	19.6	9.6	0.0
-67.5°	69.9	61.4	52.8	39.4	17.4	8.7	0.0
-70°	64.4	56.8	48.9	36.6	15.5	7.8	0.0
-72.5°	58.8	52.2	45.1	33.6	13.7	6.8	0.0
-75°	53.2	47.4	41.3	30.3	11.8	5.9	0.0
-77.5°	47.4	42.6	37.5	25.7	9.8	4.9	0.0
-80°	41.6	37.8	31.3	20.9	7.9	3.9	0.0
-82.5°	35.2	29.5	23.6	15.8	5.9	3.0	0.0
-85°	23.5	19.7	15.8	10.6	4.0	2.0	0.0
-87.5°	11.8	9.8	7.9	5.3	2.0	1.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)