

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: P701606 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0680R-40-70-1S-VHE-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701606 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-1)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0680R-40-70-1S-VHE-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 1S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

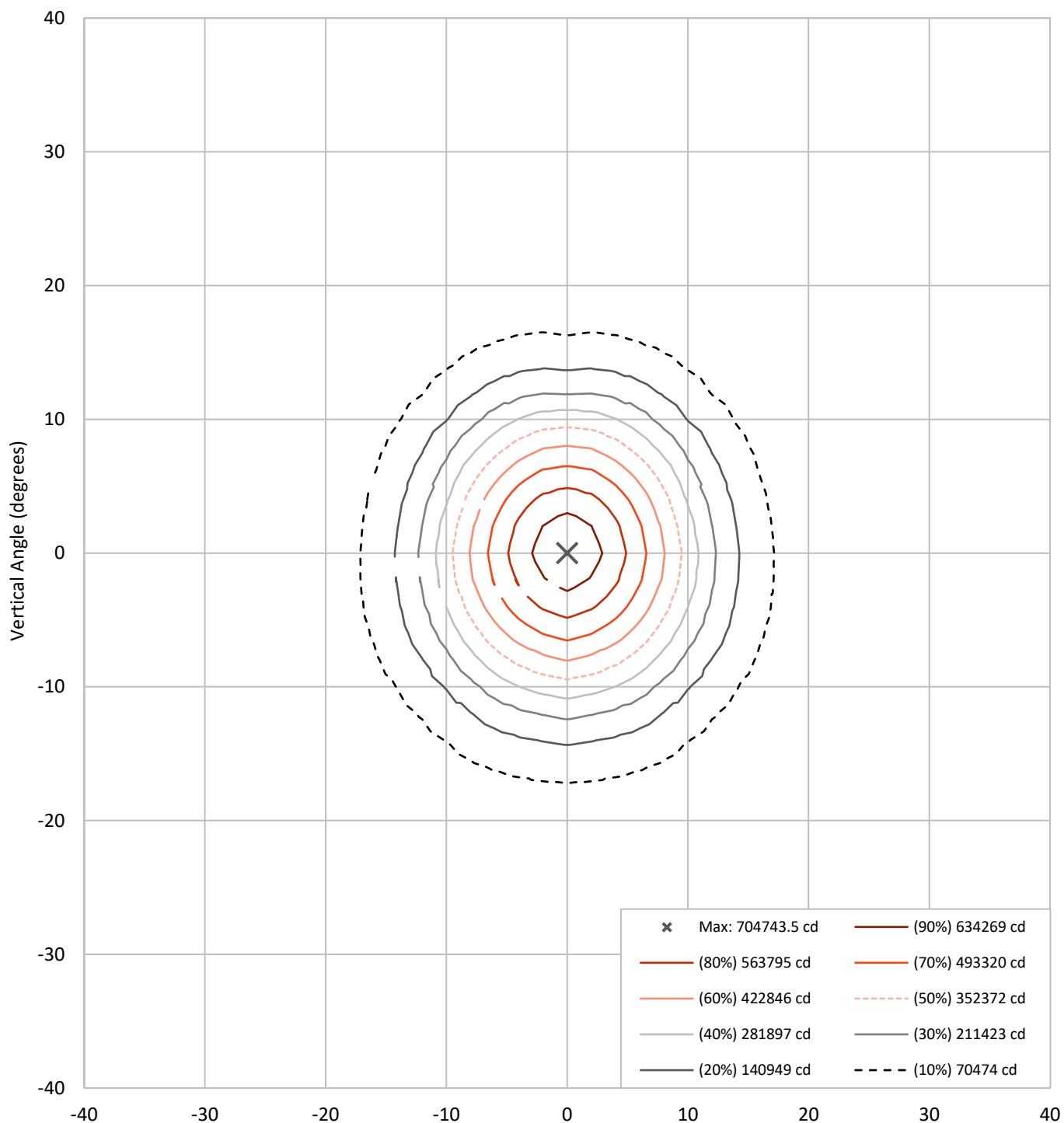
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	92891.9 lumens	Max Intensity:	704743.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	128.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	19°H x 18.9°V	Field Angle (10%):	34°H x 33.3°V
Beam Lumens:	41177.4 lumens	Field Lumens:	74998.3 lumens
Beam Efficiency:	44.3%	Field Efficiency:	80.7%

Input Watts (W): 724.6
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



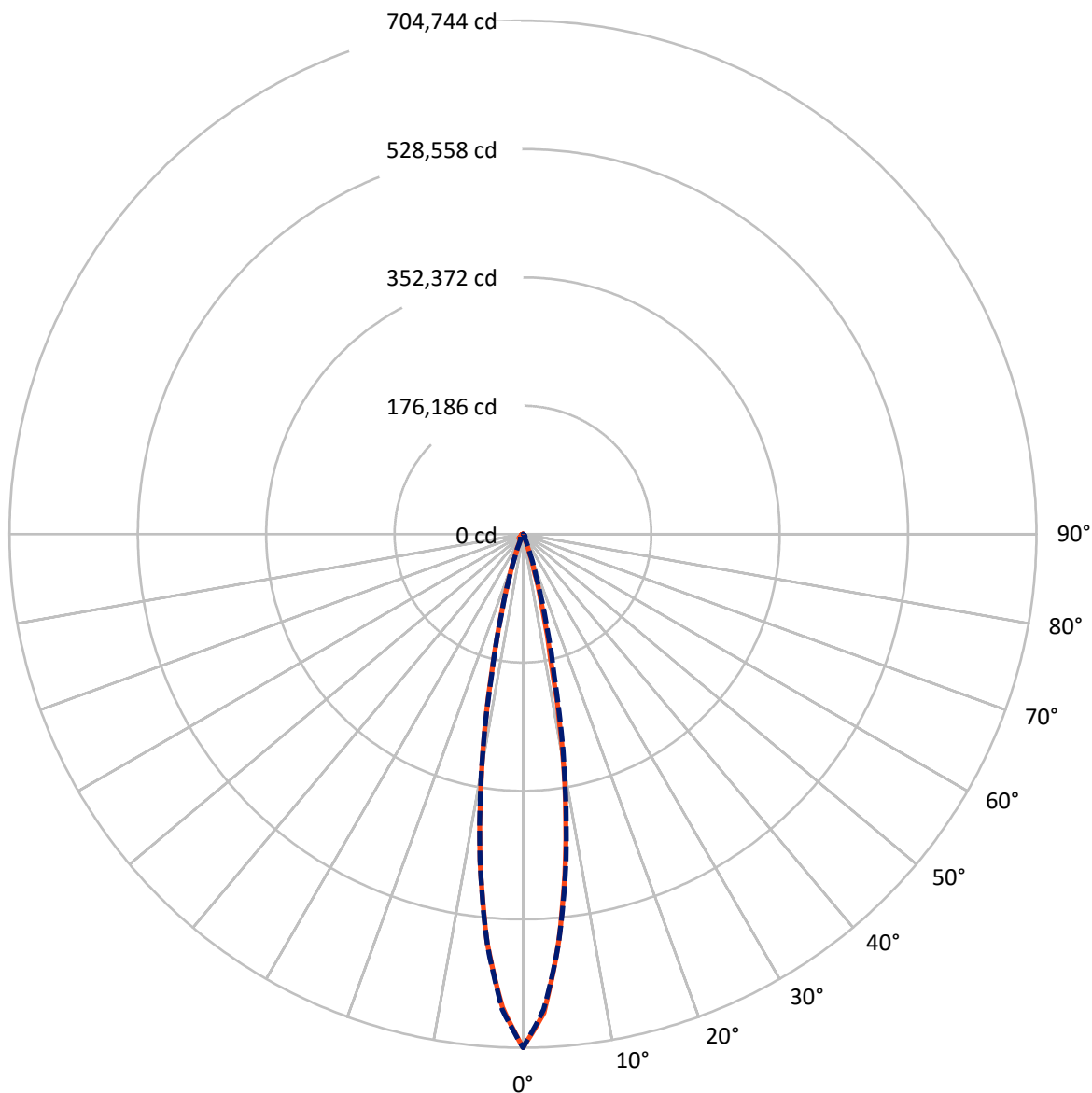
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Lumen Table

90																			
80	0.3	1.2		2.4		3.2		3.6		3.2		2.4		1.2		0.3			
70	0.4	0.2	0.3	0.7	0.7	0.5	0.3	0.3	0.3	0.3	0.5	0.7	0.7	0.3	0.2	0.4			
60		0.6	1.1	1.2	1.1	1.0	1.3	1.4	1.4	1.3	1.0	1.1	1.2	1.1	0.6				
50	1.3	1.6	3.5	6.7	10.5	18.1	27.5	30.5	30.5	27.5	18.1	10.5	6.7	3.5	1.6	1.3			
40		3.6	10.0	18.1	38.0	62.1	69.6	73.0	73.0	69.6	62.1	38.0	18.1	10.0	3.6				
30	3.0	6.0	16.3	33.6	80.0	84.8	102.9	170.3	170.3	102.9	84.8	80.0	33.6	16.3	6.0	3.0			
20		8.1	21.0	59.8	105.9	125.0	778.4	3101.9	3101.9	778.4	125.0	105.9	59.8	21.0	8.1				
10	4.5	10.0	24.7	79.2	118.1	233.2	3145.1	13085.3	13085.3	3145.1	233.2	118.1	79.2	24.7	10.0	4.5			
0		11.1	27.6	84.6	131.4	260.8	3306.5	13022.3	13022.3	3306.5	260.8	131.4	84.6	27.6	11.1				
-10	5.2	11.5	29.6	83.5	145.5	179.3	918.0	3361.0	3361.0	918.0	179.3	145.5	83.5	29.6	11.5	5.2			
-20		11.1	30.0	64.6	148.3	181.6	198.1	307.6	307.6	198.1	181.6	148.3	64.6	30.0	11.1				
-30	5.0	10.0	28.0	51.5	108.6	182.5	205.0	207.4	207.4	205.0	182.5	108.6	51.5	28.0	10.0	5.0			
-40		8.4	22.9	45.1	67.3	101.7	150.7	187.9	187.9	150.7	101.7	67.3	45.1	22.9	8.4				
-50	4.2	6.5	16.7	32.8	52.3	68.2	79.5	86.8	86.8	79.5	68.2	52.3	32.8	16.7	6.5	4.2			
-60		5.1	10.9	20.0	31.6	42.5	51.8	58.0	58.0	51.8	42.5	31.6	20.0	10.9	5.1				
-70																			
-80	2.9	19.6		46.8		73.5		87.8		73.5		46.8		19.6		2.9			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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Luminous Intensity Polar Plot

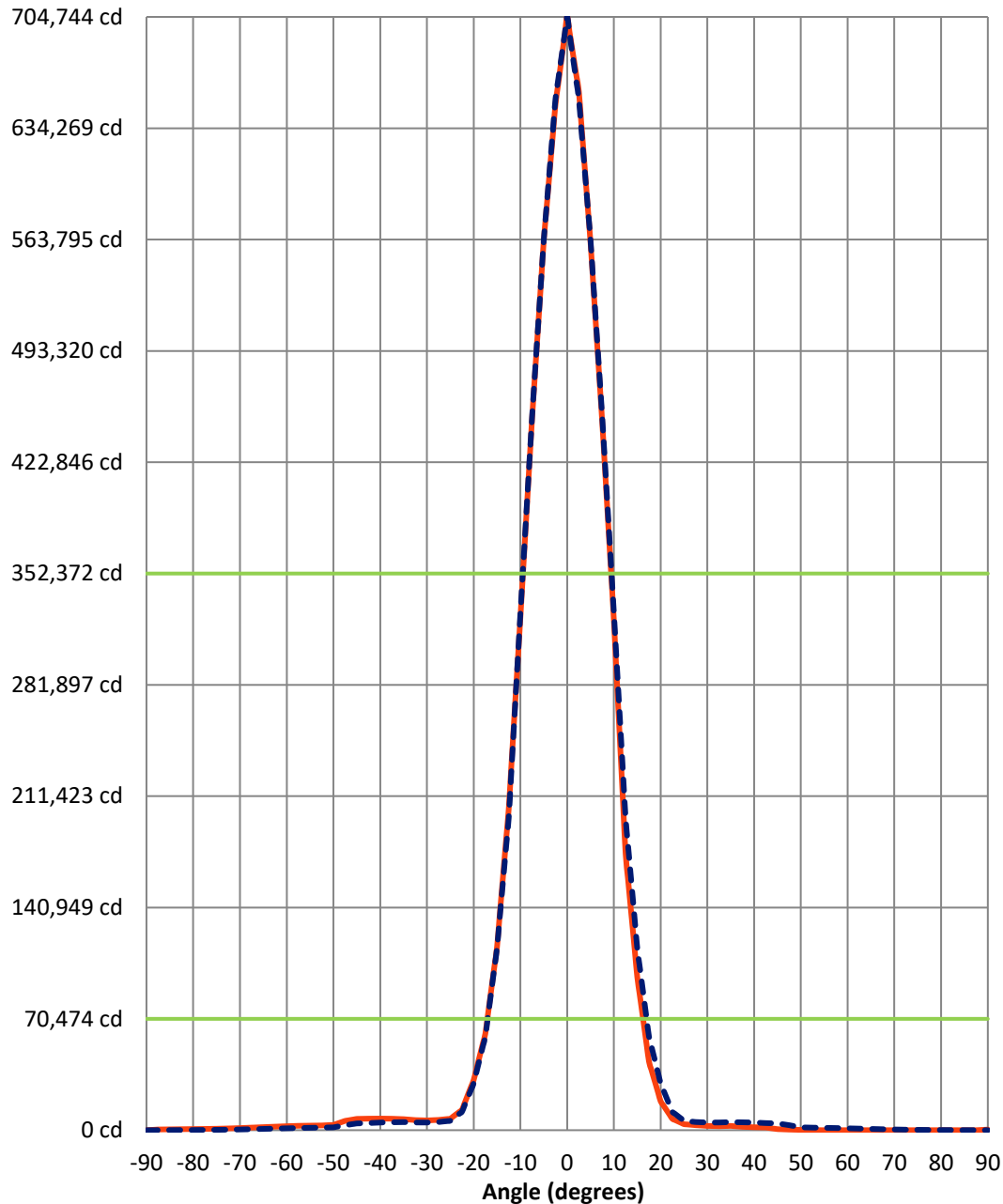


— Vertical Distribution Through 0-Deg

- - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
H Angle: 19°
V Angle: 18.9°
Lumens: 41177.4
Efficiency: 44.3%

Field:
H Angle: 34°
V Angle: 33.3°
Lumens: 74998.3
Efficiency: 80.7%

Spill:
Lumens: 17893.7
Efficiency: 19.3%

— Vertical Distribution through 0-Deg
- - Horizontal Distribution through 0-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°	10.1	26.9	43.7	65.6	87.4	109.3	131.2	146.8	162.4	177.9	193.5
87.5°	10.1	8.7	7.0	7.0	7.0	6.9	6.7	6.7	6.7	6.7	6.7
85°	10.1	9.0	7.3	7.4	7.3	7.1	6.7	6.7	6.7	6.7	6.7
82.5°	10.1	9.3	7.6	7.7	7.6	7.3	6.7	6.7	6.7	6.8	6.7
80°	10.1	9.6	8.0	8.0	7.9	7.5	6.9	7.2	7.3	7.2	6.8
77.5°	10.1	9.9	8.3	8.4	8.2	8.0	7.8	8.0	8.0	7.6	7.1
75°	10.1	10.2	8.7	8.7	8.7	9.2	8.9	8.9	8.8	8.7	8.0
72.5°	10.1	10.6	9.1	9.1	9.9	10.4	9.9	9.9	10.4	10.1	9.1
70°	10.1	10.9	9.5	9.6	11.2	11.7	11.2	11.7	12.1	11.6	11.0
67.5°	10.1	11.2	9.9	10.7	12.5	13.0	13.4	13.6	13.9	14.3	13.3
65°	10.1	11.5	10.4	11.8	13.7	14.9	15.7	15.5	17.0	17.3	16.3
62.5°	10.1	11.9	10.9	13.0	15.1	17.3	18.2	18.4	20.3	20.7	20.7
60°	10.1	12.2	11.4	14.1	16.4	19.9	20.8	21.9	23.8	25.6	25.4
57.5°	10.1	12.6	12.6	15.2	18.7	22.5	24.9	25.7	28.6	30.8	33.6
55°	10.1	12.9	13.7	16.4	21.2	25.3	29.4	30.3	33.9	37.4	44.1
52.5°	10.1	13.3	15.0	17.6	23.6	28.4	34.2	36.7	39.4	48.7	55.5
50°	10.1	13.6	16.2	18.7	26.1	32.9	39.3	43.7	46.8	60.8	73.8
47.5°	10.1	14.0	17.5	20.1	28.7	37.4	44.8	51.2	58.6	73.5	94.0
45°	10.1	14.4	18.8	22.0	31.2	42.2	51.9	59.3	73.2	93.3	115.6
42.5°	10.1	14.7	20.2	24.0	33.8	47.0	59.3	70.7	88.5	114.1	147.8
40°	10.1	15.1	21.6	26.5	37.1	52.0	66.9	84.4	106.2	136.1	184.0
37.5°	10.1	15.5	23.0	29.5	41.0	57.0	74.9	98.5	128.4	164.6	222.6
35°	10.1	15.8	24.5	32.6	44.8	63.0	83.1	112.8	151.1	200.3	266.0
32.5°	10.1	16.2	25.9	35.6	48.7	69.5	92.5	127.3	174.3	235.4	311.2
30°	10.1	16.5	27.4	38.8	52.5	76.1	104.3	143.2	197.7	269.6	354.5
27.5°	10.1	16.9	28.9	41.9	57.9	82.6	116.1	162.4	223.3	303.0	395.9
25°	10.1	17.3	30.4	45.1	63.5	89.2	127.7	181.5	251.4	337.3	435.4
22.5°	10.1	17.6	31.9	48.2	69.1	96.1	139.2	200.3	278.4	370.8	478.9
20°	10.1	17.9	33.4	51.4	74.5	104.1	150.4	218.8	304.3	402.5	520.0
17.5°	10.1	18.3	34.8	54.5	79.9	111.8	161.7	236.8	328.9	432.1	558.5
15°	10.1	18.6	36.2	57.6	85.1	119.2	172.5	253.4	352.2	459.6	594.5
12.5°	10.1	18.9	37.6	60.6	90.2	126.3	182.8	267.8	373.4	485.1	627.6
10°	10.1	19.2	39.0	63.5	95.2	133.1	192.4	281.1	392.7	513.0	661.8
7.5°	10.1	19.5	40.3	66.3	99.9	139.5	201.3	293.1	410.6	540.2	701.5
5°	10.1	19.7	41.5	69.0	104.4	145.5	209.5	303.8	427.0	565.8	738.8
2.5°	10.1	20.0	42.6	71.6	108.7	151.2	217.0	313.2	441.5	589.4	773.2
0°	10.1	20.2	43.7	74.0	112.7	156.4	223.7	321.3	454.2	610.6	804.1
-2.5°	10.1	21.2	46.1	77.9	117.7	162.9	231.6	332.3	469.0	627.0	821.3
-5°	10.1	22.1	48.4	81.6	122.5	169.0	238.8	341.8	481.6	640.5	834.7
-7.5°	10.1	23.1	50.5	85.1	126.9	174.6	245.1	349.8	491.8	651.1	844.0
-10°	10.1	24.0	52.6	88.4	131.0	179.7	250.5	356.2	499.4	658.9	849.5
-12.5°	10.1	24.8	54.5	91.5	134.8	184.3	255.1	360.8	504.4	664.1	855.3
-15°	10.1	25.7	56.3	94.3	138.3	188.4	258.8	363.7	507.2	668.9	858.6
-17.5°	10.1	26.5	58.0	96.9	141.4	192.1	261.6	365.8	508.2	670.2	857.2
-20°	10.1	27.2	59.5	99.3	144.2	195.1	263.9	366.8	506.4	668.2	851.1

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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°	10.1	28.0	60.8	101.3	146.7	197.7	266.2	365.9	501.9	662.7	840.1
-25°	10.1	28.6	62.0	103.1	148.8	200.1	267.3	362.8	494.6	653.7	824.3
-27.5°	10.1	29.2	63.0	104.6	150.6	202.1	267.3	357.7	484.5	641.8	810.9
-30°	10.1	29.8	63.8	105.9	152.1	203.5	266.1	350.4	475.1	627.8	793.7
-32.5°	10.1	30.3	64.5	106.8	153.3	204.2	263.7	346.5	465.1	610.6	772.4
-35°	10.1	30.8	65.0	107.4	154.1	204.3	262.9	342.7	452.5	590.2	747.1
-37.5°	10.1	31.2	65.3	107.8	154.4	204.2	262.4	337.5	437.2	566.5	720.9
-40°	10.1	31.5	65.4	107.8	154.3	204.1	261.0	330.8	419.4	544.7	691.0
-42.5°	10.1	31.8	65.3	107.5	153.9	203.5	258.8	322.6	406.5	521.0	656.2
-45°	10.1	32.1	65.0	106.9	153.1	202.3	255.8	315.5	395.4	494.1	618.0
-47.5°	10.1	32.3	64.6	106.0	151.8	200.5	251.9	310.9	382.5	464.5	584.2
-50°	10.1	32.4	63.9	104.9	150.1	198.1	248.7	305.4	366.9	446.3	546.8
-52.5°	10.1	32.4	63.1	103.6	148.0	195.2	245.0	298.8	355.6	425.9	507.9
-55°	10.1	32.4	62.1	102.0	145.5	191.8	240.6	291.6	345.8	403.4	481.7
-57.5°	10.1	32.4	60.9	100.0	142.5	187.9	235.5	285.3	335.0	388.3	453.2
-60°	10.1	32.3	59.5	97.9	139.2	183.4	229.8	277.7	323.8	374.7	427.3
-62.5°	10.1	32.1	58.9	95.4	135.6	178.4	223.4	269.1	313.6	360.1	410.6
-65°	10.1	31.9	58.1	92.7	131.7	172.9	216.4	259.9	302.5	346.5	392.8
-67.5°	10.1	31.6	57.2	89.7	127.3	167.0	208.7	249.8	290.6	332.5	375.7
-70°	10.1	31.2	56.2	86.5	122.7	160.7	200.5	239.0	277.5	317.7	358.5
-72.5°	10.1	30.9	55.0	84.2	117.7	153.9	191.8	227.6	263.7	301.2	340.1
-75°	10.1	30.4	53.7	82.1	112.3	146.7	182.5	215.6	249.1	283.9	319.8
-77.5°	10.1	29.9	52.3	79.7	108.4	139.1	172.7	202.9	233.7	265.7	298.7
-80°	10.1	29.4	50.7	77.2	104.7	132.9	162.4	189.8	217.6	246.5	276.2
-82.5°	10.1	28.8	49.1	74.5	100.7	127.4	154.8	177.5	201.1	226.7	253.0
-85°	10.1	28.2	47.4	71.7	96.5	121.6	147.2	167.6	188.3	209.5	231.2
-87.5°	10.1	27.6	45.6	68.7	92.0	115.6	139.4	157.3	175.5	193.9	212.5
-90°	10.1	8.4	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7



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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°	208.2	222.9	237.6	252.3	263.3	274.2	285.2	296.1	305.4	314.6	323.9
87.5°	6.3	5.9	5.4	5.0	5.0	5.0	5.0	5.0	4.6	4.2	3.8
85°	6.3	5.9	5.4	5.0	5.0	5.0	5.0	5.0	4.6	4.2	3.8
82.5°	6.3	5.9	5.5	5.0	5.0	5.0	5.0	5.0	4.7	4.5	4.3
80°	6.3	5.9	5.7	5.6	5.6	5.5	5.3	5.1	5.0	5.1	5.1
77.5°	6.9	6.8	6.7	6.6	6.4	6.1	6.0	5.9	5.9	5.8	5.5
75°	7.7	7.7	7.5	7.0	6.6	6.6	6.7	6.7	6.4	6.0	5.6
72.5°	8.7	8.7	8.2	7.3	7.0	7.2	7.2	6.9	7.3	8.3	9.2
70°	10.1	9.9	9.7	8.9	8.0	8.4	9.7	11.1	12.3	14.4	17.3
67.5°	11.9	12.4	12.0	11.1	10.9	12.6	14.2	19.5	25.4	28.6	29.9
65°	15.0	15.2	16.0	16.2	15.2	19.8	26.0	33.0	39.5	40.8	39.8
62.5°	18.6	20.5	21.8	23.1	24.9	29.6	36.6	43.7	50.8	48.7	42.0
60°	25.7	26.8	30.7	34.5	35.9	38.4	46.1	50.0	52.3	51.0	39.7
57.5°	34.5	36.4	43.0	47.5	48.8	45.9	48.7	51.2	51.0	44.9	34.4
55°	46.7	49.2	57.2	63.1	62.8	51.7	51.1	53.5	49.7	43.7	34.0
52.5°	64.4	65.8	74.7	81.1	78.8	67.4	59.2	63.0	62.4	54.6	46.4
50°	83.8	91.3	94.6	103.5	103.0	93.7	78.3	86.0	99.5	97.1	85.4
47.5°	111.4	121.1	121.5	132.3	137.2	145.3	132.1	148.6	168.7	209.8	196.7
45°	144.4	160.5	161.7	171.8	197.2	227.7	240.0	239.0	340.6	377.3	404.0
42.5°	180.9	206.7	217.6	216.9	298.5	345.0	371.3	455.2	532.4	555.7	568.3
40°	227.1	258.2	281.8	334.5	419.1	483.3	549.6	639.2	681.3	685.4	685.7
37.5°	277.9	323.1	361.1	450.9	558.8	630.1	712.4	750.9	780.1	781.8	814.9
35°	332.2	393.0	463.5	563.6	682.4	763.2	810.9	845.7	861.7	898.3	1059.2
32.5°	394.6	467.9	559.8	671.3	784.7	867.1	895.6	925.6	964.4	1073.1	1545.3
30°	457.4	552.2	651.4	771.3	886.4	944.4	974.4	1012.2	1073.1	1496.9	2151.2
27.5°	510.8	631.2	739.4	864.4	981.9	1022.1	1056.9	1113.4	1372.1	1966.8	2876.0
25°	561.8	694.0	820.8	956.4	1053.6	1098.1	1141.8	1218.4	1723.5	2665.8	3286.4
22.5°	612.9	757.4	894.6	1047.3	1125.1	1171.2	1238.3	1524.8	2231.3	3364.3	3655.9
20°	665.3	820.8	968.0	1120.8	1193.7	1241.7	1333.9	1871.9	2851.9	3662.3	3932.4
17.5°	716.8	881.9	1037.0	1172.6	1248.2	1316.1	1462.1	2220.9	3410.6	3956.3	4144.4
15°	766.7	940.3	1099.7	1222.7	1302.6	1396.3	1763.3	2685.1	3773.0	4220.3	4398.9
12.5°	814.6	995.7	1156.3	1270.8	1356.9	1475.7	2078.6	3144.0	4015.6	4428.1	4599.1
10°	859.8	1047.7	1207.1	1316.7	1410.5	1553.5	2396.4	3531.4	4215.9	4568.6	4699.0
7.5°	902.5	1092.7	1252.6	1360.1	1462.8	1628.3	2704.7	3851.0	4373.9	4687.8	4768.1
5°	939.8	1129.3	1294.5	1406.8	1515.3	1694.6	2968.7	4106.8	4496.4	4787.0	4839.3
2.5°	972.0	1160.9	1332.4	1451.9	1566.1	1747.5	3096.3	4210.6	4512.0	4830.8	4913.3
0°	999.2	1187.6	1365.9	1493.8	1613.2	1793.2	3169.2	4264.3	4493.1	4843.0	4991.0
-2.5°	1021.5	1223.9	1413.7	1537.9	1658.3	1836.5	3163.9	4305.9	4540.4	4954.3	5289.4
-5°	1039.0	1254.5	1455.7	1578.8	1699.6	1873.6	3107.1	4293.9	4604.8	5052.9	5473.3
-7.5°	1051.6	1278.4	1491.3	1617.3	1740.2	1916.0	3066.5	4345.4	4792.6	5169.9	5547.9
-10°	1060.0	1294.2	1512.9	1653.2	1781.2	1957.9	2979.1	4323.8	4968.0	5287.2	5619.4
-12.5°	1069.7	1303.1	1526.8	1684.5	1816.9	1990.9	2824.9	4220.6	5130.5	5413.6	5689.4
-15°	1073.7	1306.1	1534.1	1710.8	1846.9	2014.4	2601.1	4029.4	5239.1	5482.4	5734.2
-17.5°	1071.8	1303.2	1534.7	1731.9	1871.0	2028.0	2305.4	3675.2	5068.5	5509.4	5775.8
-20°	1064.0	1294.6	1528.6	1747.4	1889.2	2044.9	2257.8	3268.1	4602.7	5489.2	5805.7

REPORT NUMBER: P701606 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1050.1	1280.2	1514.4	1738.7	1909.4	2066.4	2260.1	2845.9	4053.1	5420.8	5808.0
-25°	1032.1	1259.9	1492.5	1729.3	1927.2	2080.9	2253.3	2477.2	3509.0	4829.5	5749.9
-27.5°	1010.3	1232.6	1470.9	1711.5	1941.5	2090.4	2254.9	2459.7	3029.0	4146.4	5528.8
-30°	982.9	1202.0	1440.7	1683.8	1921.5	2100.5	2255.4	2419.2	2629.4	3530.1	4721.7
-32.5°	952.0	1164.8	1400.9	1642.7	1884.4	2107.3	2242.4	2390.7	2571.4	2894.9	3912.8
-35°	920.7	1126.5	1352.3	1592.0	1837.3	2067.0	2231.2	2364.0	2512.1	2708.9	3173.6
-37.5°	890.4	1081.7	1295.4	1531.2	1771.9	1994.8	2210.7	2341.8	2477.5	2616.0	2809.3
-40°	854.6	1030.6	1237.4	1460.5	1686.8	1909.1	2123.3	2319.3	2443.9	2563.9	2689.2
-42.5°	813.8	985.0	1174.7	1378.7	1592.3	1808.2	2025.7	2231.7	2406.9	2514.2	2628.5
-45°	769.6	933.7	1107.4	1295.4	1489.5	1698.1	1907.7	2117.8	2305.0	2472.3	2574.4
-47.5°	720.0	877.0	1043.2	1205.6	1386.5	1578.5	1780.5	1978.1	2170.8	2348.8	2522.5
-50°	668.4	815.4	968.6	1120.3	1281.9	1457.4	1643.0	1830.1	2015.1	2196.1	2367.0
-52.5°	622.3	747.9	889.4	1033.5	1180.4	1336.7	1501.8	1671.1	1848.4	2024.4	2183.3
-55°	572.5	687.0	805.0	941.0	1080.4	1221.2	1359.0	1511.7	1670.0	1835.8	1984.2
-57.5°	532.3	624.0	727.6	842.9	973.6	1105.9	1227.3	1350.2	1491.0	1638.0	1766.9
-60°	496.8	569.1	653.4	753.4	860.7	980.2	1094.5	1208.0	1321.7	1433.9	1555.8
-62.5°	462.2	525.1	591.2	667.0	762.0	853.7	954.4	1059.3	1164.2	1264.8	1362.2
-65°	441.4	485.2	541.5	603.4	665.3	745.3	826.8	907.4	999.9	1090.9	1180.0
-67.5°	418.9	460.3	502.1	547.8	604.7	657.1	709.3	782.2	854.2	922.5	992.6
-70°	397.8	434.6	473.4	513.0	551.2	590.1	637.8	685.1	731.5	781.6	841.9
-72.5°	376.1	410.2	445.0	480.6	515.1	547.2	579.5	611.9	649.8	690.6	730.4
-75°	352.8	384.7	416.7	449.1	479.0	507.5	536.5	565.8	594.5	623.0	651.6
-77.5°	328.1	356.9	386.3	416.1	442.6	467.7	493.1	518.8	544.1	569.0	593.7
-80°	302.4	328.3	354.4	380.9	403.8	426.0	448.3	470.8	493.0	514.9	536.7
-82.5°	275.6	298.3	321.2	344.5	364.0	383.1	402.1	421.1	439.8	458.5	477.2
-85°	249.6	267.7	287.2	306.9	323.3	339.6	355.8	371.9	387.5	403.0	418.4
-87.5°	229.0	245.5	261.8	278.2	291.0	303.8	316.6	329.3	341.2	353.1	365.1
-90°	6.3	5.9	5.4	5.0	5.0	5.0	5.0	5.0	4.6	4.2	3.8

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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	333.1	339.4	345.7	352.0	358.3	363.8	369.3	374.7	380.2	383.6	386.9
87.5°	3.4	3.3	3.3	3.3	3.2	2.9	2.5	2.1	1.7	1.7	1.7
85°	3.4	3.4	3.4	3.4	3.4	3.0	2.6	2.1	1.7	1.7	1.7
82.5°	4.1	4.1	3.9	3.7	3.4	3.3	3.3	3.2	3.2	3.3	3.3
80°	5.0	4.7	4.3	3.9	3.5	3.4	3.4	3.4	3.4	3.4	3.4
77.5°	5.1	4.7	4.3	3.9	3.5	3.4	3.4	3.4	3.4	3.4	3.4
75°	5.2	5.0	5.3	5.3	5.0	5.0	5.0	4.9	4.7	4.5	4.2
72.5°	10.0	10.4	10.3	10.6	10.6	10.9	11.3	11.6	11.6	11.7	11.8
70°	18.9	19.6	20.1	19.8	18.6	17.6	17.2	16.7	16.2	16.6	17.6
67.5°	28.9	26.8	25.8	24.3	21.7	19.4	18.0	16.6	15.1	14.4	14.2
65°	35.7	28.2	24.6	21.8	19.6	17.0	14.7	12.7	10.8	9.7	9.2
62.5°	34.0	24.2	19.1	16.1	13.5	11.1	9.2	7.7	6.6	6.1	6.1
60°	29.0	18.9	13.3	10.7	8.1	5.3	4.9	4.7	4.3	4.0	4.3
57.5°	25.9	17.0	10.4	10.1	8.7	6.3	5.5	5.5	4.7	3.4	3.9
55°	28.9	24.4	16.9	17.4	17.0	14.3	12.2	14.6	14.0	11.0	12.0
52.5°	43.3	49.7	40.5	37.6	51.4	50.9	39.9	54.4	62.4	61.1	62.3
50°	101.9	115.1	129.1	118.2	145.1	161.2	157.6	176.6	196.1	195.7	201.7
47.5°	241.5	277.9	281.9	289.2	319.9	358.9	390.7	413.1	424.5	419.8	423.1
45°	432.1	440.3	459.2	501.0	553.3	616.2	664.1	692.0	785.9	852.5	891.5
42.5°	572.8	598.4	644.6	754.9	835.8	1021.5	1246.2	1333.3	1443.8	1499.8	1503.3
40°	713.8	778.9	970.1	1171.0	1607.2	1931.6	1950.9	2088.5	2151.8	2082.0	2071.6
37.5°	946.8	1188.8	1517.1	1981.4	2184.3	2272.5	2320.9	2338.5	2351.3	2339.6	2333.6
35°	1405.9	1826.8	2149.1	2300.5	2392.2	2395.1	2406.3	2404.8	2389.9	2382.0	2365.3
32.5°	2083.1	2484.5	2494.4	2482.7	2501.8	2490.8	2469.8	2460.1	2427.5	2407.9	2414.5
30°	2781.3	2783.6	2743.9	2651.9	2605.9	2591.8	2561.3	2536.3	2505.4	2510.0	2617.4
27.5°	3058.3	3024.4	2969.0	2889.6	2735.4	2705.1	2680.7	2670.2	2799.3	2917.2	3022.4
25°	3368.4	3280.4	3250.0	3180.7	3022.0	2846.5	2923.8	3045.2	3214.0	3389.8	3559.3
22.5°	3636.4	3572.9	3553.3	3527.6	3268.7	3193.1	3299.0	3498.7	3729.3	4034.7	4906.8
20°	3900.6	3832.0	3809.5	3680.3	3544.6	3563.3	3760.1	4108.4	4753.4	7070.5	9900.2
17.5°	4122.7	4051.7	3974.9	3824.2	3781.0	3969.9	4363.6	5587.1	8630.9	16236.7	23966.9
15°	4329.6	4236.3	4105.8	4006.9	4088.7	4440.4	5415.6	9584.1	19443.5	32209.8	48305.9
12.5°	4513.5	4370.7	4188.1	4136.7	4385.6	4977.8	8802.5	18806.5	33888.1	52075.3	89862.9
10°	4641.5	4456.4	4297.1	4385.7	4781.1	6371.0	12667.1	28195.3	50506.9	91185.1	138229.5
7.5°	4696.5	4529.0	4436.3	4626.4	5154.4	8181.9	19069.0	38994.2	71335.3	126033.3	201094.1
5°	4758.8	4643.3	4591.5	4864.7	5513.9	9657.3	23673.0	48081.9	93608.7	158763.2	255422.4
2.5°	4884.8	4774.7	4738.7	5073.9	5828.5	11032.9	27270.8	55147.1	108365.3	186074.5	303634.2
0°	5107.1	4878.3	4849.7	5177.7	5954.9	11659.2	29631.6	59407.8	115384.0	197760.2	327355.2
-2.5°	5283.6	5011.1	4956.6	5249.1	6010.6	11352.3	29392.1	59261.0	112520.5	193854.5	312291.2
-5°	5437.7	5164.3	5089.0	5360.8	6132.8	11340.9	27835.0	54375.3	100685.3	170343.3	263186.4
-7.5°	5574.7	5338.3	5227.0	5443.3	6149.0	10156.1	22513.9	44767.9	80480.3	132994.6	203703.3
-10°	5719.2	5537.7	5386.0	5530.8	6080.6	8080.7	15061.6	32270.5	57314.7	96446.0	144965.4
-12.5°	5884.4	5792.9	5570.0	5591.1	5988.1	6819.0	11132.0	22529.6	39791.5	60754.8	95924.6
-15°	6024.5	6020.3	5833.8	5774.5	5971.8	6504.6	7766.6	12511.4	24137.4	39054.4	56452.3
-17.5°	6053.8	6202.8	6131.4	5950.1	5961.8	6260.4	6780.6	8291.1	12124.4	21488.7	31840.3
-20°	6072.6	6391.1	6398.5	6251.4	6122.4	6089.0	6326.8	6767.4	7624.0	10788.4	14953.7

REPORT NUMBER: P701606 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0680R-40-70-1S-VHE-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	6101.4	6404.0	6619.4	6578.7	6325.5	6177.4	6124.1	6291.0	6580.9	6989.2	8340.7
-25°	6115.0	6397.5	6705.7	6790.3	6684.1	6413.1	6210.3	6097.1	6199.6	6329.2	6593.6
-27.5°	6056.8	6387.4	6686.2	6936.8	6967.3	6790.0	6492.0	6250.2	6156.2	6067.2	6176.1
-30°	5959.9	6329.2	6641.7	6949.9	7073.2	7016.5	6860.5	6664.2	6435.2	6256.9	6194.4
-32.5°	5166.4	6242.1	6562.2	6829.3	7032.6	7090.7	7092.4	6987.3	6889.4	6752.0	6591.1
-35°	4256.5	5449.8	6491.3	6625.8	6812.2	7004.6	7147.6	7152.5	7141.0	7075.9	7008.1
-37.5°	3308.8	4420.8	5422.4	6224.2	6506.2	6732.8	6977.6	7143.1	7247.0	7228.3	7215.7
-40°	2880.7	3231.2	4168.2	4985.6	5671.2	6316.4	6581.6	6878.9	7118.0	7201.2	7257.4
-42.5°	2748.4	2898.4	3050.9	3670.3	4376.7	4998.1	5582.4	6139.6	6637.2	6919.1	7115.3
-45°	2676.0	2759.4	2852.8	2990.7	3110.0	3624.5	4148.1	4656.6	5277.3	5848.7	6344.2
-47.5°	2608.8	2674.1	2746.4	2817.4	2883.6	2977.0	3058.0	3202.4	3667.3	4136.1	4606.5
-50°	2500.8	2608.6	2668.6	2721.6	2768.4	2811.8	2849.2	2914.4	2991.6	3058.9	3126.9
-52.5°	2320.2	2441.6	2556.9	2644.2	2680.9	2716.9	2753.8	2803.2	2848.9	2890.7	2922.8
-55°	2117.8	2240.7	2356.9	2445.4	2524.8	2597.8	2663.0	2706.8	2749.4	2790.6	2821.8
-57.5°	1895.1	2020.4	2134.0	2218.9	2298.3	2372.0	2443.7	2512.6	2575.7	2632.5	2680.9
-60°	1669.6	1775.3	1878.0	1967.7	2049.6	2123.4	2194.3	2262.2	2324.2	2380.0	2428.5
-62.5°	1457.8	1555.8	1637.0	1710.4	1780.9	1849.0	1920.7	1986.8	2046.8	2101.6	2151.9
-65°	1266.9	1351.4	1412.8	1470.3	1524.6	1583.1	1646.2	1704.4	1757.4	1806.6	1852.0
-67.5°	1070.6	1143.7	1197.7	1247.4	1293.7	1340.4	1390.8	1437.8	1481.1	1522.5	1561.3
-70°	900.1	951.1	988.7	1026.9	1068.1	1110.0	1153.5	1193.0	1228.7	1262.6	1293.8
-72.5°	769.0	800.3	826.8	859.3	888.7	920.1	952.3	982.1	1009.5	1036.0	1060.9
-75°	680.3	703.3	724.8	745.0	763.8	786.2	809.5	831.5	852.2	871.5	889.9
-77.5°	618.5	636.4	651.2	665.3	678.6	696.0	714.2	732.0	749.2	763.8	777.3
-80°	558.2	572.6	585.2	597.4	609.2	624.2	639.4	654.3	668.8	682.1	694.8
-82.5°	495.7	507.5	518.2	528.6	538.6	551.3	564.0	576.2	588.1	599.0	609.6
-85°	433.6	442.5	450.9	459.1	467.0	477.4	487.6	497.7	507.5	514.6	521.4
-87.5°	377.1	383.7	390.1	396.3	402.5	410.0	417.4	424.8	432.1	436.9	441.5
-90°	3.4	3.0	2.6	2.1	1.7	1.7	1.7	1.7	1.7	1.7	1.7

REPORT NUMBER: P701606 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	390.3	393.6	392.8	391.9	392.8	393.6	390.3	386.9	383.6	380.2	374.7
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1
85°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	2.1
82.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.3	3.3	3.2	3.2
80°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
77.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
75°	3.8	3.4	3.4	3.4	3.4	3.4	3.8	4.2	4.5	4.7	4.9
72.5°	11.8	11.6	11.7	11.8	11.7	11.6	11.8	11.8	11.7	11.6	11.6
70°	18.7	19.8	20.1	20.2	20.1	19.8	18.7	17.6	16.6	16.2	16.7
67.5°	14.0	13.7	12.8	11.8	12.8	13.7	14.0	14.2	14.4	15.1	16.6
65°	8.9	8.6	8.4	8.4	8.4	8.6	8.9	9.2	9.7	10.8	12.7
62.5°	6.3	6.7	6.7	6.7	6.7	6.7	6.3	6.1	6.1	6.6	7.7
60°	4.6	5.0	5.0	5.0	5.0	5.0	4.6	4.3	4.0	4.3	4.7
57.5°	4.4	4.9	5.0	5.0	5.0	4.9	4.4	3.9	3.4	4.7	5.5
55°	12.8	13.1	12.7	11.8	12.7	13.1	12.8	12.0	11.0	14.0	14.6
52.5°	61.3	56.6	49.3	40.4	49.3	56.6	61.3	62.3	61.1	62.4	54.4
50°	213.5	219.2	214.1	198.5	214.1	219.2	213.5	201.7	195.7	196.1	176.6
47.5°	439.7	444.5	429.2	393.6	429.2	444.5	439.7	423.1	419.8	424.5	413.1
45°	920.5	913.4	834.2	669.5	834.2	913.4	920.5	891.5	852.5	785.9	692.0
42.5°	1587.5	1658.2	1699.9	1700.7	1699.9	1658.2	1587.5	1503.3	1499.8	1443.8	1333.3
40°	2054.7	1971.8	1881.3	1867.2	1881.3	1971.8	2054.7	2071.6	2082.0	2151.8	2088.5
37.5°	2319.5	2336.9	2326.8	2131.3	2326.8	2336.9	2319.5	2333.6	2339.6	2351.3	2338.5
35°	2403.7	2535.1	2670.4	2698.2	2670.4	2535.1	2403.7	2365.3	2382.0	2389.9	2404.8
32.5°	2444.5	2489.6	2501.8	2506.4	2501.8	2489.6	2444.5	2414.5	2407.9	2427.5	2460.1
30°	2666.9	2696.4	2692.1	2686.4	2692.1	2696.4	2666.9	2617.4	2510.0	2505.4	2536.3
27.5°	3072.1	3120.8	3142.5	3157.4	3142.5	3120.8	3072.1	3022.4	2917.2	2799.3	2670.2
25°	3652.0	3726.5	3777.6	3800.0	3777.6	3726.5	3652.0	3559.3	3389.8	3214.0	3045.2
22.5°	5913.9	6429.9	6940.6	7204.8	6940.6	6429.9	5913.9	4906.8	4034.7	3729.3	3498.7
20°	14763.5	16993.2	18011.5	18308.8	18011.5	16993.2	14763.5	9900.2	7070.5	4753.4	4108.4
17.5°	34381.0	42833.3	48486.6	43533.1	48486.6	42833.3	34381.0	23966.9	16236.7	8630.9	5587.1
15°	70370.0	91776.5	103755.0	97014.6	103755.0	91776.5	70370.0	48305.9	32209.8	19443.5	9584.1
12.5°	126786.4	160194.6	182632.8	175233.4	182632.8	160194.6	126786.4	89862.9	52075.3	33888.1	18806.5
10°	199559.0	266737.7	311469.3	322527.4	311469.3	266737.7	199559.0	138229.5	91185.1	50506.9	28195.3
7.5°	289598.3	372774.7	438429.9	448591.5	438429.9	372774.7	289598.3	201094.1	126033.3	71335.3	38994.2
5°	377683.3	475862.3	544175.2	561909.7	544175.2	475862.3	377683.3	255422.4	158763.2	93608.7	48081.9
2.5°	432355.3	539215.2	621501.6	657746.8	621501.6	539215.2	432355.3	303634.2	186074.5	108365.3	55147.1
0°	451869.2	563470.8	652751.6	704743.5	652751.6	563470.8	451869.2	327355.2	197760.2	115384.0	59407.8
-2.5°	436739.7	537805.4	613174.3	649317.4	613174.3	537805.4	436739.7	312291.2	193854.5	112520.5	59261.0
-5°	371978.9	472394.9	533716.4	563157.9	533716.4	472394.9	371978.9	263186.4	170343.3	100685.3	54375.3
-7.5°	290668.4	371039.2	423991.6	450776.6	423991.6	371039.2	290668.4	203703.3	132994.6	80480.3	44767.9
-10°	203380.6	267144.3	302838.5	324694.0	302838.5	267144.3	203380.6	144965.4	96446.0	57314.7	32270.5
-12.5°	132329.4	169443.7	189434.8	203437.6	189434.8	169443.7	132329.4	95924.6	60754.8	39791.5	22529.6
-15°	80331.8	98419.8	109273.4	116077.0	109273.4	98419.8	80331.8	56452.3	39054.4	24137.4	12511.4
-17.5°	44836.4	52605.5	58106.5	61150.5	58106.5	52605.5	44836.4	31840.3	21488.7	12124.4	8291.1
-20°	22248.0	27162.6	30390.8	31746.1	30390.8	27162.6	22248.0	14953.7	10788.4	7624.0	6767.4

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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	10267.5	11580.4	12449.5	12863.6	12449.5	11580.4	10267.5	8340.7	6989.2	6580.9	6291.0
-25°	6850.5	7056.5	7207.9	7273.7	7207.9	7056.5	6850.5	6593.6	6329.2	6199.6	6097.1
-27.5°	6274.6	6383.8	6474.3	6510.0	6474.3	6383.8	6274.6	6176.1	6067.2	6156.2	6250.2
-30°	6146.4	6151.2	6176.8	6177.0	6176.8	6151.2	6146.4	6194.4	6256.9	6435.2	6664.2
-32.5°	6469.4	6398.5	6367.6	6400.7	6367.6	6398.5	6469.4	6591.1	6752.0	6889.4	6987.3
-35°	6962.9	6943.8	6945.4	6981.0	6945.4	6943.8	6962.9	7008.1	7075.9	7141.0	7152.5
-37.5°	7218.9	7234.0	7251.0	7255.2	7251.0	7234.0	7218.9	7215.7	7228.3	7247.0	7143.1
-40°	7290.0	7319.4	7341.6	7349.4	7341.6	7319.4	7290.0	7257.4	7201.2	7118.0	6878.9
-42.5°	7202.0	7260.5	7291.6	7299.0	7291.6	7260.5	7202.0	7115.3	6919.1	6637.2	6139.6
-45°	6704.1	6965.2	7112.8	7152.6	7112.8	6965.2	6704.1	6344.2	5848.7	5277.3	4656.6
-47.5°	5064.1	5473.9	5759.2	5891.0	5759.2	5473.9	5064.1	4606.5	4136.1	3667.3	3202.4
-50°	3198.2	3265.7	3316.2	3347.5	3316.2	3265.7	3198.2	3126.9	3058.9	2991.6	2914.4
-52.5°	2950.6	2975.4	2989.9	2996.0	2989.9	2975.4	2950.6	2922.8	2890.7	2848.9	2803.2
-55°	2848.7	2871.6	2881.7	2883.3	2881.7	2871.6	2848.7	2821.8	2790.6	2749.4	2706.8
-57.5°	2722.7	2757.7	2773.1	2775.6	2773.1	2757.7	2722.7	2680.9	2632.5	2575.7	2512.6
-60°	2469.7	2503.5	2520.2	2526.6	2520.2	2503.5	2469.7	2428.5	2380.0	2324.2	2262.2
-62.5°	2195.5	2232.4	2243.6	2242.3	2243.6	2232.4	2195.5	2151.9	2101.6	2046.8	1986.8
-65°	1891.7	1925.4	1935.1	1934.5	1935.1	1925.4	1891.7	1852.0	1806.6	1757.4	1704.4
-67.5°	1595.8	1625.5	1635.8	1638.4	1635.8	1625.5	1595.8	1561.3	1522.5	1481.1	1437.8
-70°	1321.2	1344.8	1350.7	1350.8	1350.7	1344.8	1321.2	1293.8	1262.6	1228.7	1193.0
-72.5°	1083.6	1103.9	1107.4	1106.9	1107.4	1103.9	1083.6	1060.9	1036.0	1009.5	982.1
-75°	907.1	923.2	923.7	921.8	923.7	923.2	907.1	889.9	871.5	852.2	831.5
-77.5°	790.1	802.0	804.5	805.8	804.5	802.0	790.1	777.3	763.8	749.2	732.0
-80°	706.8	718.3	718.0	716.6	718.0	718.3	706.8	694.8	682.1	668.8	654.3
-82.5°	619.8	629.6	629.7	629.1	629.7	629.6	619.8	609.6	599.0	588.1	576.2
-85°	528.0	534.2	533.9	533.3	533.9	534.2	528.0	521.4	514.6	507.5	497.7
-87.5°	446.1	450.6	450.7	450.8	450.7	450.6	446.1	441.5	436.9	432.1	424.8
-90°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7

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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	369.3	363.8	358.3	352.0	345.7	339.4	333.1	323.9	314.6	305.4	296.1
87.5°	2.5	2.9	3.2	3.3	3.3	3.3	3.4	3.8	4.2	4.6	5.0
85°	2.6	3.0	3.4	3.4	3.4	3.4	3.4	3.8	4.2	4.6	5.0
82.5°	3.3	3.3	3.4	3.7	3.9	4.1	4.1	4.3	4.5	4.7	5.0
80°	3.4	3.4	3.5	3.9	4.3	4.7	5.0	5.1	5.1	5.0	5.1
77.5°	3.4	3.4	3.5	3.9	4.3	4.7	5.1	5.5	5.8	5.9	5.9
75°	5.0	5.0	5.0	5.3	5.3	5.0	5.2	5.6	6.0	6.4	6.7
72.5°	11.3	10.9	10.6	10.6	10.3	10.4	10.0	9.2	8.3	7.3	6.9
70°	17.2	17.6	18.6	19.8	20.1	19.6	18.9	17.3	14.4	12.3	11.1
67.5°	18.0	19.4	21.7	24.3	25.8	26.8	28.9	29.9	28.6	25.4	19.5
65°	14.7	17.0	19.6	21.8	24.6	28.2	35.7	39.8	40.8	39.5	33.0
62.5°	9.2	11.1	13.5	16.1	19.1	24.2	34.0	42.0	48.7	50.8	43.7
60°	4.9	5.3	8.1	10.7	13.3	18.9	29.0	39.7	51.0	52.3	50.0
57.5°	5.5	6.3	8.7	10.1	10.4	17.0	25.9	34.4	44.9	51.0	51.2
55°	12.2	14.3	17.0	17.4	16.9	24.4	28.9	34.0	43.7	49.7	53.5
52.5°	39.9	50.9	51.4	37.6	40.5	49.7	43.3	46.4	54.6	62.4	63.0
50°	157.6	161.2	145.1	118.2	129.1	115.1	101.9	85.4	97.1	99.5	86.0
47.5°	390.7	358.9	319.9	289.2	281.9	277.9	241.5	196.7	209.8	168.7	148.6
45°	664.1	616.2	553.3	501.0	459.2	440.3	432.1	404.0	377.3	340.6	239.0
42.5°	1246.2	1021.5	835.8	754.9	644.6	598.4	572.8	568.3	555.7	532.4	455.2
40°	1950.9	1931.6	1607.2	1171.0	970.1	778.9	713.8	685.7	685.4	681.3	639.2
37.5°	2320.9	2272.5	2184.3	1981.4	1517.1	1188.8	946.8	814.9	781.8	780.1	750.9
35°	2406.3	2395.1	2392.2	2300.5	2149.1	1826.8	1405.9	1059.2	898.3	861.7	845.7
32.5°	2469.8	2490.8	2501.8	2482.7	2494.4	2484.5	2083.1	1545.3	1073.1	964.4	925.6
30°	2561.3	2591.8	2605.9	2651.9	2743.9	2783.6	2781.3	2151.2	1496.9	1073.1	1012.2
27.5°	2680.7	2705.1	2735.4	2889.6	2969.0	3024.4	3058.3	2876.0	1966.8	1372.1	1113.4
25°	2923.8	2846.5	3022.0	3180.7	3250.0	3280.4	3368.4	3286.4	2665.8	1723.5	1218.4
22.5°	3299.0	3193.1	3268.7	3527.6	3553.3	3572.9	3636.4	3655.9	3364.3	2231.3	1524.8
20°	3760.1	3563.3	3544.6	3680.3	3809.5	3832.0	3900.6	3932.4	3662.3	2851.9	1871.9
17.5°	4363.6	3969.9	3781.0	3824.2	3974.9	4051.7	4122.7	4144.4	3956.3	3410.6	2220.9
15°	5415.6	4440.4	4088.7	4006.9	4105.8	4236.3	4329.6	4398.9	4220.3	3773.0	2685.1
12.5°	8802.5	4977.8	4385.6	4136.7	4188.1	4370.7	4513.5	4599.1	4428.1	4015.6	3144.0
10°	12667.1	6371.0	4781.1	4385.7	4297.1	4456.4	4641.5	4699.0	4568.6	4215.9	3531.4
7.5°	19069.0	8181.9	5154.4	4626.4	4436.3	4529.0	4696.5	4768.1	4687.8	4373.9	3851.0
5°	23673.0	9657.3	5513.9	4864.7	4591.5	4643.3	4758.8	4839.3	4787.0	4496.4	4106.8
2.5°	27270.8	11032.9	5828.5	5073.9	4738.7	4774.7	4884.8	4913.3	4830.8	4512.0	4210.6
0°	29631.6	11659.2	5954.9	5177.7	4849.7	4878.3	5107.1	4991.0	4843.0	4493.1	4264.3
-2.5°	29392.1	11352.3	6010.6	5249.1	4956.6	5011.1	5283.6	5289.4	4954.3	4540.4	4305.9
-5°	27835.0	11340.9	6132.8	5360.8	5089.0	5164.3	5437.7	5473.3	5052.9	4604.8	4293.9
-7.5°	22513.9	10156.1	6149.0	5443.3	5227.0	5338.3	5574.7	5547.9	5169.9	4792.6	4345.4
-10°	15061.6	8080.7	6080.6	5530.8	5386.0	5537.7	5719.2	5619.4	5287.2	4968.0	4323.8
-12.5°	11132.0	6819.0	5988.1	5591.1	5570.0	5792.9	5884.4	5689.4	5413.6	5130.5	4220.6
-15°	7766.6	6504.6	5971.8	5774.5	5833.8	6020.3	6024.5	5734.2	5482.4	5239.1	4029.4
-17.5°	6780.6	6260.4	5961.8	5950.1	6131.4	6202.8	6053.8	5775.8	5509.4	5068.5	3675.2
-20°	6326.8	6089.0	6122.4	6251.4	6398.5	6391.1	6072.6	5805.7	5489.2	4602.7	3268.1

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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°	6124.1	6177.4	6325.5	6578.7	6619.4	6404.0	6101.4	5808.0	5420.8	4053.1	2845.9
-25°	6210.3	6413.1	6684.1	6790.3	6705.7	6397.5	6115.0	5749.9	4829.5	3509.0	2477.2
-27.5°	6492.0	6790.0	6967.3	6936.8	6686.2	6387.4	6056.8	5528.8	4146.4	3029.0	2459.7
-30°	6860.5	7016.5	7073.2	6949.9	6641.7	6329.2	5959.9	4721.7	3530.1	2629.4	2419.2
-32.5°	7092.4	7090.7	7032.6	6829.3	6562.2	6242.1	5166.4	3912.8	2894.9	2571.4	2390.7
-35°	7147.6	7004.6	6812.2	6625.8	6491.3	5449.8	4256.5	3173.6	2708.9	2512.1	2364.0
-37.5°	6977.6	6732.8	6506.2	6224.2	5422.4	4420.8	3308.8	2809.3	2616.0	2477.5	2341.8
-40°	6581.6	6316.4	5671.2	4985.6	4168.2	3231.2	2880.7	2689.2	2563.9	2443.9	2319.3
-42.5°	5582.4	4998.1	4376.7	3670.3	3050.9	2898.4	2748.4	2628.5	2514.2	2406.9	2231.7
-45°	4148.1	3624.5	3110.0	2990.7	2852.8	2759.4	2676.0	2574.4	2472.3	2305.0	2117.8
-47.5°	3058.0	2977.0	2883.6	2817.4	2746.4	2674.1	2608.8	2522.5	2348.8	2170.8	1978.1
-50°	2849.2	2811.8	2768.4	2721.6	2668.6	2608.6	2500.8	2367.0	2196.1	2015.1	1830.1
-52.5°	2753.8	2716.9	2680.9	2644.2	2556.9	2441.6	2320.2	2183.3	2024.4	1848.4	1671.1
-55°	2663.0	2597.8	2524.8	2445.4	2356.9	2240.7	2117.8	1984.2	1835.8	1670.0	1511.7
-57.5°	2443.7	2372.0	2298.3	2218.9	2134.0	2020.4	1895.1	1766.9	1638.0	1491.0	1350.2
-60°	2194.3	2123.4	2049.6	1967.7	1878.0	1775.3	1669.6	1555.8	1433.9	1321.7	1208.0
-62.5°	1920.7	1849.0	1780.9	1710.4	1637.0	1555.8	1457.8	1362.2	1264.8	1164.2	1059.3
-65°	1646.2	1583.1	1524.6	1470.3	1412.8	1351.4	1266.9	1180.0	1090.9	999.9	907.4
-67.5°	1390.8	1340.4	1293.7	1247.4	1197.7	1143.7	1070.6	992.6	922.5	854.2	782.2
-70°	1153.5	1110.0	1068.1	1026.9	988.7	951.1	900.1	841.9	781.6	731.5	685.1
-72.5°	952.3	920.1	888.7	859.3	826.8	800.3	769.0	730.4	690.6	649.8	611.9
-75°	809.5	786.2	763.8	745.0	724.8	703.3	680.3	651.6	623.0	594.5	565.8
-77.5°	714.2	696.0	678.6	665.3	651.2	636.4	618.5	593.7	569.0	544.1	518.8
-80°	639.4	624.2	609.2	597.4	585.2	572.6	558.2	536.7	514.9	493.0	470.8
-82.5°	564.0	551.3	538.6	528.6	518.2	507.5	495.7	477.2	458.5	439.8	421.1
-85°	487.6	477.4	467.0	459.1	450.9	442.5	433.6	418.4	403.0	387.5	371.9
-87.5°	417.4	410.0	402.5	396.3	390.1	383.7	377.1	365.1	353.1	341.2	329.3
-90°	1.7	1.7	1.7	2.1	2.6	3.0	3.4	3.8	4.2	4.6	5.0



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	285.2	274.2	263.3	252.3	237.6	222.9	208.2	193.5	177.9	162.4	146.8
87.5°	5.0	5.0	5.0	5.0	5.4	5.9	6.3	6.7	6.7	6.7	6.7
85°	5.0	5.0	5.0	5.0	5.4	5.9	6.3	6.7	6.7	6.7	6.7
82.5°	5.0	5.0	5.0	5.0	5.5	5.9	6.3	6.7	6.8	6.7	6.7
80°	5.3	5.5	5.6	5.6	5.7	5.9	6.3	6.8	7.2	7.3	7.2
77.5°	6.0	6.1	6.4	6.6	6.7	6.8	6.9	7.1	7.6	8.0	8.0
75°	6.7	6.6	6.6	7.0	7.5	7.7	7.7	8.0	8.7	8.8	8.9
72.5°	7.2	7.2	7.0	7.3	8.2	8.7	8.7	9.1	10.1	10.4	9.9
70°	9.7	8.4	8.0	8.9	9.7	9.9	10.1	11.0	11.6	12.1	11.7
67.5°	14.2	12.6	10.9	11.1	12.0	12.4	11.9	13.3	14.3	13.9	13.6
65°	26.0	19.8	15.2	16.2	16.0	15.2	15.0	16.3	17.3	17.0	15.5
62.5°	36.6	29.6	24.9	23.1	21.8	20.5	18.6	20.7	20.7	20.3	18.4
60°	46.1	38.4	35.9	34.5	30.7	26.8	25.7	25.4	25.6	23.8	21.9
57.5°	48.7	45.9	48.8	47.5	43.0	36.4	34.5	33.6	30.8	28.6	25.7
55°	51.1	51.7	62.8	63.1	57.2	49.2	46.7	44.1	37.4	33.9	30.3
52.5°	59.2	67.4	78.8	81.1	74.7	65.8	64.4	55.5	48.7	39.4	36.7
50°	78.3	93.7	103.0	103.5	94.6	91.3	83.8	73.8	60.8	46.8	43.7
47.5°	132.1	145.3	137.2	132.3	121.5	121.1	111.4	94.0	73.5	58.6	51.2
45°	240.0	227.7	197.2	171.8	161.7	160.5	144.4	115.6	93.3	73.2	59.3
42.5°	371.3	345.0	298.5	216.9	217.6	206.7	180.9	147.8	114.1	88.5	70.7
40°	549.6	483.3	419.1	334.5	281.8	258.2	227.1	184.0	136.1	106.2	84.4
37.5°	712.4	630.1	558.8	450.9	361.1	323.1	277.9	222.6	164.6	128.4	98.5
35°	810.9	763.2	682.4	563.6	463.5	393.0	332.2	266.0	200.3	151.1	112.8
32.5°	895.6	867.1	784.7	671.3	559.8	467.9	394.6	311.2	235.4	174.3	127.3
30°	974.4	944.4	886.4	771.3	651.4	552.2	457.4	354.5	269.6	197.7	143.2
27.5°	1056.9	1022.1	981.9	864.4	739.4	631.2	510.8	395.9	303.0	223.3	162.4
25°	1141.8	1098.1	1053.6	956.4	820.8	694.0	561.8	435.4	337.3	251.4	181.5
22.5°	1238.3	1171.2	1125.1	1047.3	894.6	757.4	612.9	478.9	370.8	278.4	200.3
20°	1333.9	1241.7	1193.7	1120.8	968.0	820.8	665.3	520.0	402.5	304.3	218.8
17.5°	1462.1	1316.1	1248.2	1172.6	1037.0	881.9	716.8	558.5	432.1	328.9	236.8
15°	1763.3	1396.3	1302.6	1222.7	1099.7	940.3	766.7	594.5	459.6	352.2	253.4
12.5°	2078.6	1475.7	1356.9	1270.8	1156.3	995.7	814.6	627.6	485.1	373.4	267.8
10°	2396.4	1553.5	1410.5	1316.7	1207.1	1047.7	859.8	661.8	513.0	392.7	281.1
7.5°	2704.7	1628.3	1462.8	1360.1	1252.6	1092.7	902.5	701.5	540.2	410.6	293.1
5°	2968.7	1694.6	1515.3	1406.8	1294.5	1129.3	939.8	738.8	565.8	427.0	303.8
2.5°	3096.3	1747.5	1566.1	1451.9	1332.4	1160.9	972.0	773.2	589.4	441.5	313.2
0°	3169.2	1793.2	1613.2	1493.8	1365.9	1187.6	999.2	804.1	610.6	454.2	321.3
-2.5°	3163.9	1836.5	1658.3	1537.9	1413.7	1223.9	1021.5	821.3	627.0	469.0	332.3
-5°	3107.1	1873.6	1699.6	1578.8	1455.7	1254.5	1039.0	834.7	640.5	481.6	341.8
-7.5°	3066.5	1916.0	1740.2	1617.3	1491.3	1278.4	1051.6	844.0	651.1	491.8	349.8
-10°	2979.1	1957.9	1781.2	1653.2	1512.9	1294.2	1060.0	849.5	658.9	499.4	356.2
-12.5°	2824.9	1990.9	1816.9	1684.5	1526.8	1303.1	1069.7	855.3	664.1	504.4	360.8
-15°	2601.1	2014.4	1846.9	1710.8	1534.1	1306.1	1073.7	858.6	668.9	507.2	363.7
-17.5°	2305.4	2028.0	1871.0	1731.9	1534.7	1303.2	1071.8	857.2	670.2	508.2	365.8
-20°	2257.8	2044.9	1889.2	1747.4	1528.6	1294.6	1064.0	851.1	668.2	506.4	366.8

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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°	2260.1	2066.4	1909.4	1738.7	1514.4	1280.2	1050.1	840.1	662.7	501.9	365.9
-25°	2253.3	2080.9	1927.2	1729.3	1492.5	1259.9	1032.1	824.3	653.7	494.6	362.8
-27.5°	2254.9	2090.4	1941.5	1711.5	1470.9	1232.6	1010.3	810.9	641.8	484.5	357.7
-30°	2255.4	2100.5	1921.5	1683.8	1440.7	1202.0	982.9	793.7	627.8	475.1	350.4
-32.5°	2242.4	2107.3	1884.4	1642.7	1400.9	1164.8	952.0	772.4	610.6	465.1	346.5
-35°	2231.2	2067.0	1837.3	1592.0	1352.3	1126.5	920.7	747.1	590.2	452.5	342.7
-37.5°	2210.7	1994.8	1771.9	1531.2	1295.4	1081.7	890.4	720.9	566.5	437.2	337.5
-40°	2123.3	1909.1	1686.8	1460.5	1237.4	1030.6	854.6	691.0	544.7	419.4	330.8
-42.5°	2025.7	1808.2	1592.3	1378.7	1174.7	985.0	813.8	656.2	521.0	406.5	322.6
-45°	1907.7	1698.1	1489.5	1295.4	1107.4	933.7	769.6	618.0	494.1	395.4	315.5
-47.5°	1780.5	1578.5	1386.5	1205.6	1043.2	877.0	720.0	584.2	464.5	382.5	310.9
-50°	1643.0	1457.4	1281.9	1120.3	968.6	815.4	668.4	546.8	446.3	366.9	305.4
-52.5°	1501.8	1336.7	1180.4	1033.5	889.4	747.9	622.3	507.9	425.9	355.6	298.8
-55°	1359.0	1221.2	1080.4	941.0	805.0	687.0	572.5	481.7	403.4	345.8	291.6
-57.5°	1227.3	1105.9	973.6	842.9	727.6	624.0	532.3	453.2	388.3	335.0	285.3
-60°	1094.5	980.2	860.7	753.4	653.4	569.1	496.8	427.3	374.7	323.8	277.7
-62.5°	954.4	853.7	762.0	667.0	591.2	525.1	462.2	410.6	360.1	313.6	269.1
-65°	826.8	745.3	665.3	603.4	541.5	485.2	441.4	392.8	346.5	302.5	259.9
-67.5°	709.3	657.1	604.7	547.8	502.1	460.3	418.9	375.7	332.5	290.6	249.8
-70°	637.8	590.1	551.2	513.0	473.4	434.6	397.8	358.5	317.7	277.5	239.0
-72.5°	579.5	547.2	515.1	480.6	445.0	410.2	376.1	340.1	301.2	263.7	227.6
-75°	536.5	507.5	479.0	449.1	416.7	384.7	352.8	319.8	283.9	249.1	215.6
-77.5°	493.1	467.7	442.6	416.1	386.3	356.9	328.1	298.7	265.7	233.7	202.9
-80°	448.3	426.0	403.8	380.9	354.4	328.3	302.4	276.2	246.5	217.6	189.8
-82.5°	402.1	383.1	364.0	344.5	321.2	298.3	275.6	253.0	226.7	201.1	177.5
-85°	355.8	339.6	323.3	306.9	287.2	267.7	249.6	231.2	209.5	188.3	167.6
-87.5°	316.6	303.8	291.0	278.2	261.8	245.5	229.0	212.5	193.9	175.5	157.3
-90°	5.0	5.0	5.0	5.0	5.4	5.9	6.3	6.7	6.7	6.7	6.7

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	131.2	109.3	87.4	65.6	43.7	26.9	10.1
87.5°	6.7	6.9	7.0	7.0	7.0	8.7	10.1
85°	6.7	7.1	7.3	7.4	7.3	9.0	10.1
82.5°	6.7	7.3	7.6	7.7	7.6	9.3	10.1
80°	6.9	7.5	7.9	8.0	8.0	9.6	10.1
77.5°	7.8	8.0	8.2	8.4	8.3	9.9	10.1
75°	8.9	9.2	8.7	8.7	8.7	10.2	10.1
72.5°	9.9	10.4	9.9	9.1	9.1	10.6	10.1
70°	11.2	11.7	11.2	9.6	9.5	10.9	10.1
67.5°	13.4	13.0	12.5	10.7	9.9	11.2	10.1
65°	15.7	14.9	13.7	11.8	10.4	11.5	10.1
62.5°	18.2	17.3	15.1	13.0	10.9	11.9	10.1
60°	20.8	19.9	16.4	14.1	11.4	12.2	10.1
57.5°	24.9	22.5	18.7	15.2	12.6	12.6	10.1
55°	29.4	25.3	21.2	16.4	13.7	12.9	10.1
52.5°	34.2	28.4	23.6	17.6	15.0	13.3	10.1
50°	39.3	32.9	26.1	18.7	16.2	13.6	10.1
47.5°	44.8	37.4	28.7	20.1	17.5	14.0	10.1
45°	51.9	42.2	31.2	22.0	18.8	14.4	10.1
42.5°	59.3	47.0	33.8	24.0	20.2	14.7	10.1
40°	66.9	52.0	37.1	26.5	21.6	15.1	10.1
37.5°	74.9	57.0	41.0	29.5	23.0	15.5	10.1
35°	83.1	63.0	44.8	32.6	24.5	15.8	10.1
32.5°	92.5	69.5	48.7	35.6	25.9	16.2	10.1
30°	104.3	76.1	52.5	38.8	27.4	16.5	10.1
27.5°	116.1	82.6	57.9	41.9	28.9	16.9	10.1
25°	127.7	89.2	63.5	45.1	30.4	17.3	10.1
22.5°	139.2	96.1	69.1	48.2	31.9	17.6	10.1
20°	150.4	104.1	74.5	51.4	33.4	17.9	10.1
17.5°	161.7	111.8	79.9	54.5	34.8	18.3	10.1
15°	172.5	119.2	85.1	57.6	36.2	18.6	10.1
12.5°	182.8	126.3	90.2	60.6	37.6	18.9	10.1
10°	192.4	133.1	95.2	63.5	39.0	19.2	10.1
7.5°	201.3	139.5	99.9	66.3	40.3	19.5	10.1
5°	209.5	145.5	104.4	69.0	41.5	19.7	10.1
2.5°	217.0	151.2	108.7	71.6	42.6	20.0	10.1
0°	223.7	156.4	112.7	74.0	43.7	20.2	10.1
-2.5°	231.6	162.9	117.7	77.9	46.1	21.2	10.1
-5°	238.8	169.0	122.5	81.6	48.4	22.1	10.1
-7.5°	245.1	174.6	126.9	85.1	50.5	23.1	10.1
-10°	250.5	179.7	131.0	88.4	52.6	24.0	10.1
-12.5°	255.1	184.3	134.8	91.5	54.5	24.8	10.1
-15°	258.8	188.4	138.3	94.3	56.3	25.7	10.1
-17.5°	261.6	192.1	141.4	96.9	58.0	26.5	10.1
-20°	263.9	195.1	144.2	99.3	59.5	27.2	10.1

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	266.2	197.7	146.7	101.3	60.8	28.0	10.1
-25°	267.3	200.1	148.8	103.1	62.0	28.6	10.1
-27.5°	267.3	202.1	150.6	104.6	63.0	29.2	10.1
-30°	266.1	203.5	152.1	105.9	63.8	29.8	10.1
-32.5°	263.7	204.2	153.3	106.8	64.5	30.3	10.1
-35°	262.9	204.3	154.1	107.4	65.0	30.8	10.1
-37.5°	262.4	204.2	154.4	107.8	65.3	31.2	10.1
-40°	261.0	204.1	154.3	107.8	65.4	31.5	10.1
-42.5°	258.8	203.5	153.9	107.5	65.3	31.8	10.1
-45°	255.8	202.3	153.1	106.9	65.0	32.1	10.1
-47.5°	251.9	200.5	151.8	106.0	64.6	32.3	10.1
-50°	248.7	198.1	150.1	104.9	63.9	32.4	10.1
-52.5°	245.0	195.2	148.0	103.6	63.1	32.4	10.1
-55°	240.6	191.8	145.5	102.0	62.1	32.4	10.1
-57.5°	235.5	187.9	142.5	100.0	60.9	32.4	10.1
-60°	229.8	183.4	139.2	97.9	59.5	32.3	10.1
-62.5°	223.4	178.4	135.6	95.4	58.9	32.1	10.1
-65°	216.4	172.9	131.7	92.7	58.1	31.9	10.1
-67.5°	208.7	167.0	127.3	89.7	57.2	31.6	10.1
-70°	200.5	160.7	122.7	86.5	56.2	31.2	10.1
-72.5°	191.8	153.9	117.7	84.2	55.0	30.9	10.1
-75°	182.5	146.7	112.3	82.1	53.7	30.4	10.1
-77.5°	172.7	139.1	108.4	79.7	52.3	29.9	10.1
-80°	162.4	132.9	104.7	77.2	50.7	29.4	10.1
-82.5°	154.8	127.4	100.7	74.5	49.1	28.8	10.1
-85°	147.2	121.6	96.5	71.7	47.4	28.2	10.1
-87.5°	139.4	115.6	92.0	68.7	45.6	27.6	10.1
-90°	6.7	6.7	6.7	6.7	6.7	8.4	10.1

(END OF REPORT)





Horizontal Angle (degrees)



Horizontal Angle (degrees)

