

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: P413592 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-0640L-57-70-1S-VHE**

Issue Date: 10/30/2020

Test Information

Test Method: LM-79-08
Report Number: P413592 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/30/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-0640L-57-70-1S-VHE
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 1S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

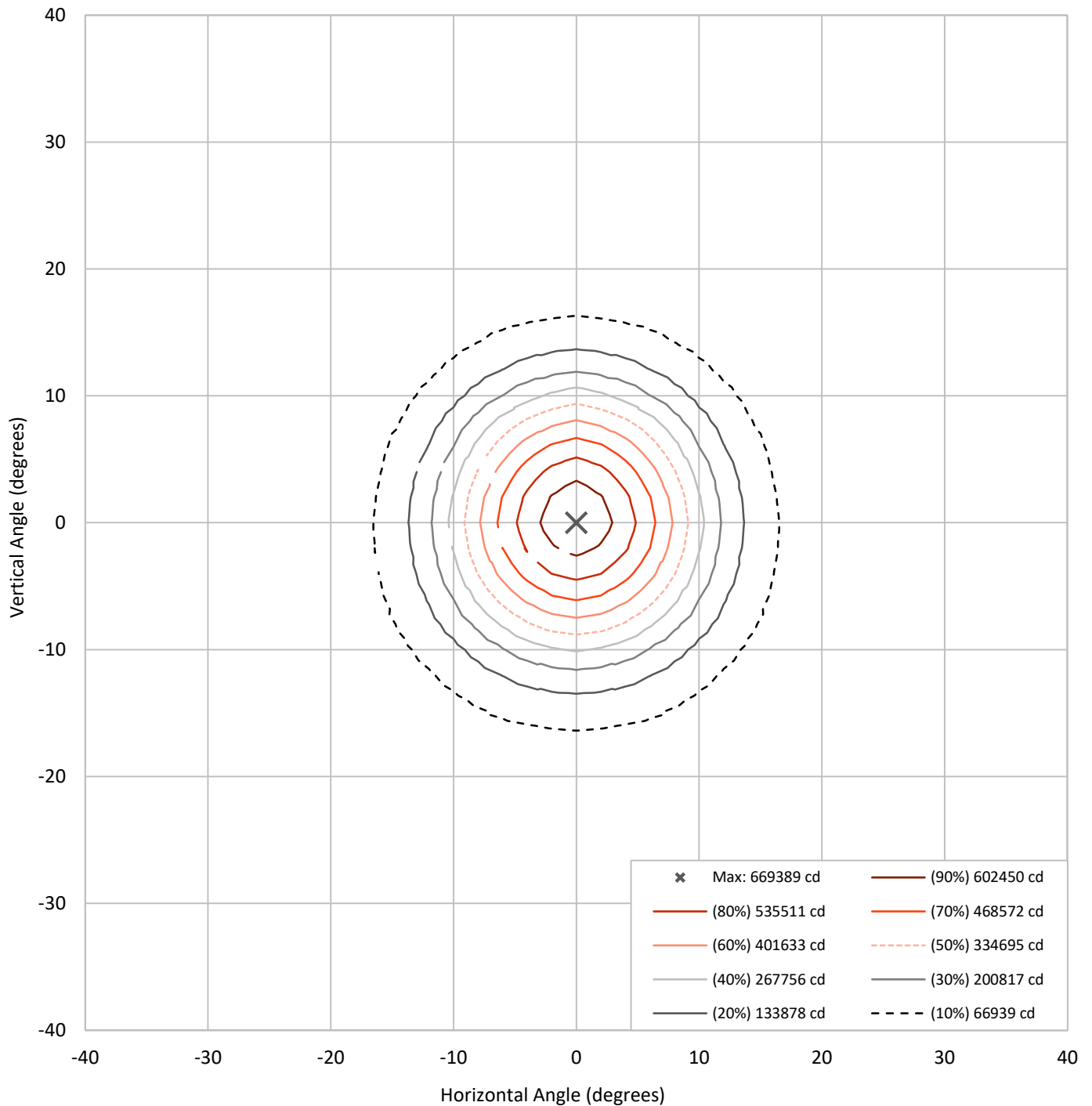
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	80597.3 lumens	Max Intensity:	669389 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	117.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.2°H x 18.2°V	Field Angle (10%):	33°H x 32.6°V
Beam Lumens:	37135.4 lumens	Field Lumens:	65705.7 lumens
Beam Efficiency:	46.1%	Field Efficiency:	81.5%

Input Watts (W): 686
Input Voltage (V): NR
Input Current (A_{in}): 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



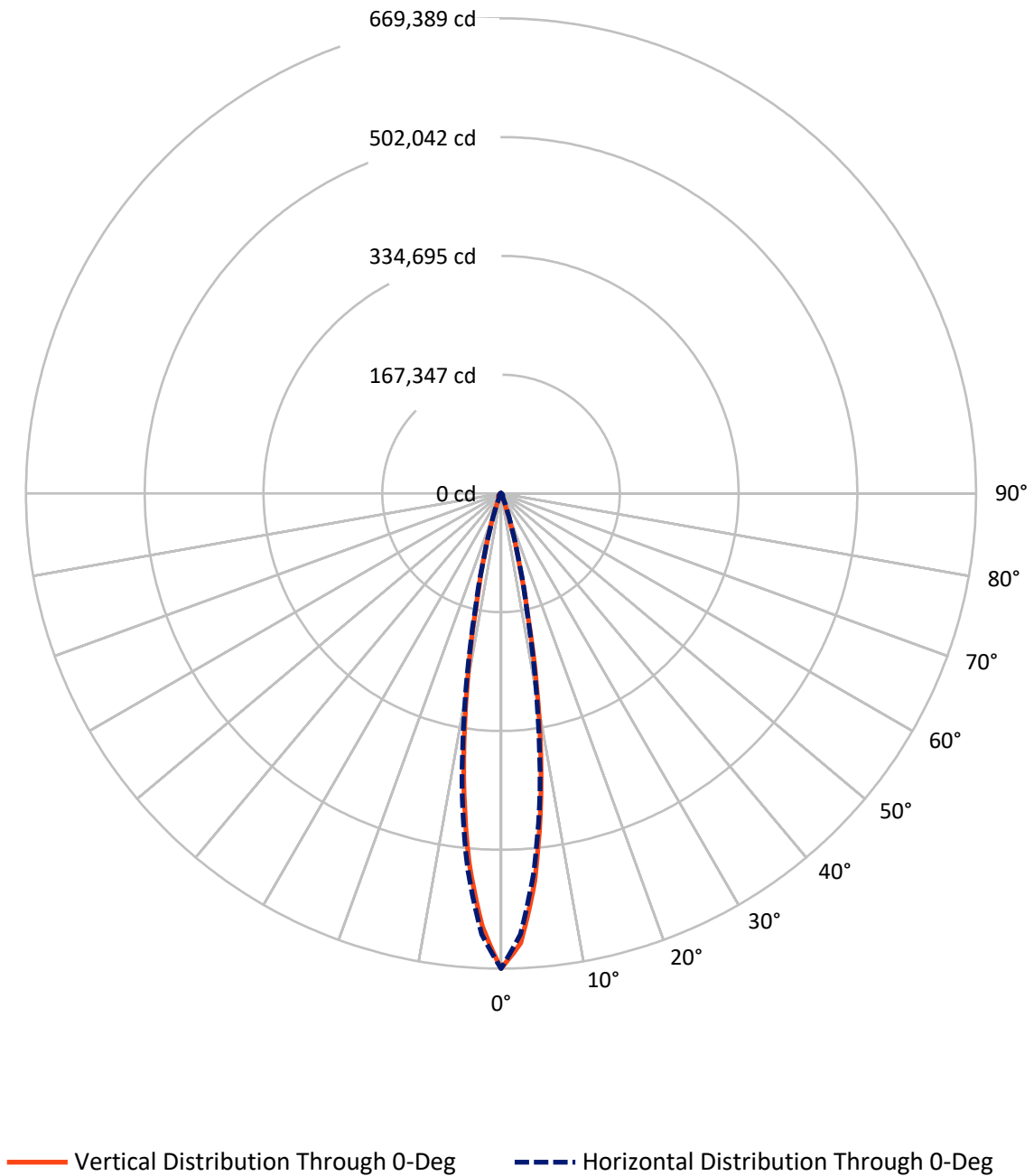
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Lumen Table

90	0.2	0.6	1.1	1.6	1.9	1.6	1.1	0.6	0.2										
80	0.2	0.6	1.1	1.6	1.9	1.6	1.1	0.6	0.2										
70	0.3	0.2	0.2	0.6	0.8	0.8	0.7	0.7	0.7	0.7	0.8	0.8	0.6	0.2	0.2	0.3			
60		0.4	0.8	1.1	0.9	0.9	1.0	1.1	1.1	1.0	0.9	0.9	1.1	0.8	0.4				
50	0.7	1.0	2.6	5.1	8.1	14.1	22.3	25.2	25.2	22.3	14.1	8.1	5.1	2.6	1.0	0.7			
40		2.5	7.9	14.1	30.6	52.4	57.8	59.8	59.8	57.8	52.4	30.6	14.1	7.9	2.5				
30	1.6	4.3	12.5	27.0	68.4	69.9	85.8	137.2	137.2	85.8	69.9	68.4	27.0	12.5	4.3	1.6			
20		5.7	15.7	49.6	88.0	105.3	643.1	2633.2	2633.2	643.1	105.3	88.0	49.6	15.7	5.7				
10	2.3	6.8	18.0	64.1	94.5	194.8	2633.3	12154.0	12154.0	2633.3	194.8	94.5	64.1	18.0	6.8	2.3			
0		7.4	19.7	67.0	104.0	210.8	2703.7	11864.9	11864.9	2703.7	210.8	104.0	67.0	19.7	7.4				
-10	2.4	7.5	20.7	63.2	115.9	143.5	733.2	2673.0	2673.0	733.2	143.5	115.9	63.2	20.7	7.5	2.4			
-20		6.8	20.5	45.9	117.2	139.5	151.1	233.4	233.4	151.1	139.5	117.2	45.9	20.5	6.8				
-30	1.9	5.6	18.3	34.7	79.8	144.4	158.4	155.8	155.8	158.4	144.4	79.8	34.7	18.3	5.6	1.9			
-40		4.1	13.8	29.3	44.8	70.1	112.1	142.9	142.9	112.1	70.1	44.8	29.3	13.8	4.1				
-50	1.6	2.6	8.5	19.3	33.0	43.4	50.7	55.0	55.0	50.7	43.4	33.0	19.3	8.5	2.6	1.6			
-60		1.8	4.2	9.2	16.2	23.1	29.2	32.8	32.8	29.2	23.1	16.2	9.2	4.2	1.8				
-70	1.1	6.8	16.2	26.5	31.9	26.5	16.2	6.8	1.1							1.1			
-80		1.1	6.8	16.2	26.5	31.9	26.5	16.2	6.8	1.1									
-90	1.1	6.8	16.2	26.5	31.9	26.5	16.2	6.8	1.1										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

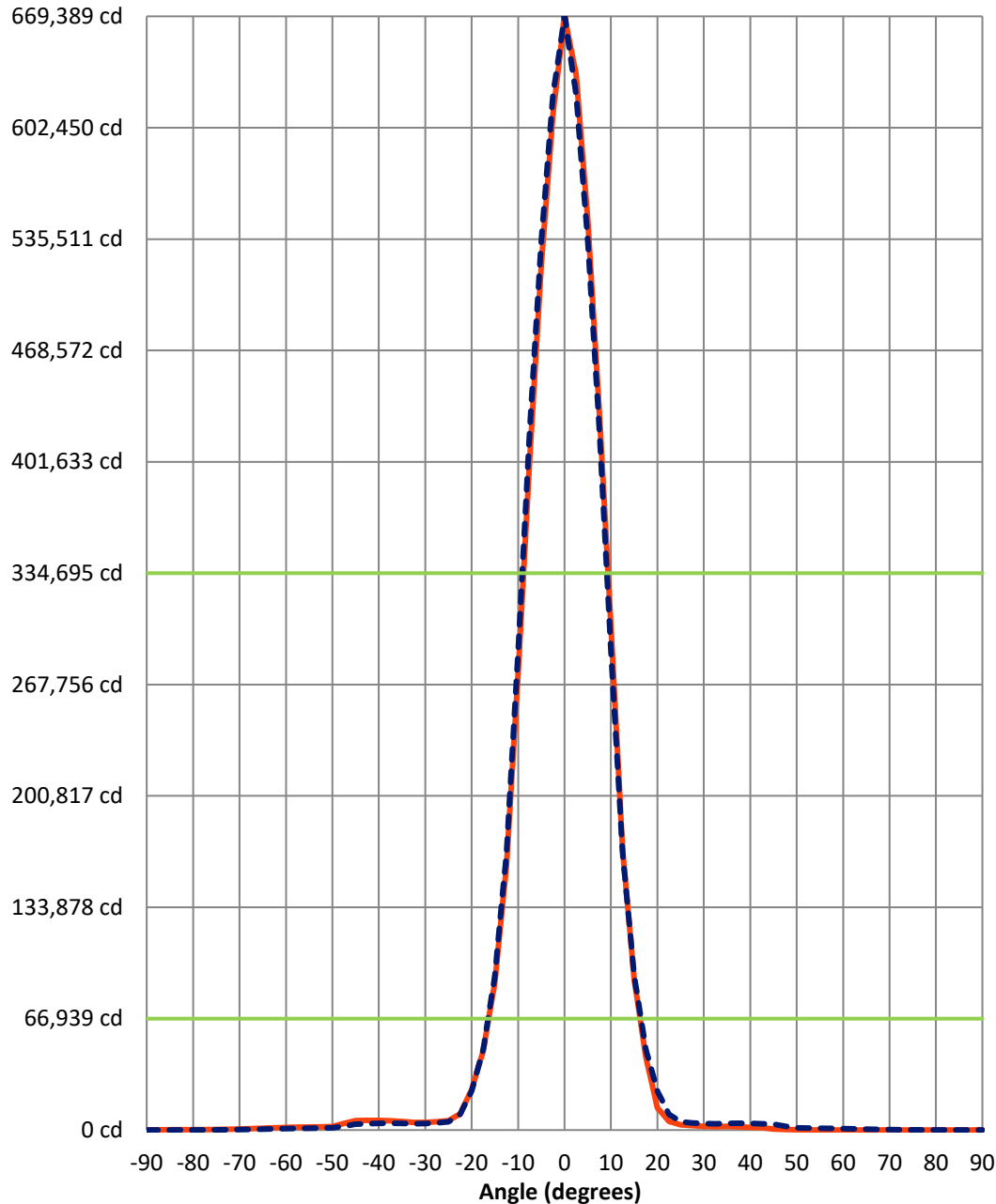
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 18.2°
 V Angle: 18.2°
 Lumens: 37135.4
 Efficiency: 46.1%

Field:
 H Angle: 33°
 V Angle: 32.6°
 Lumens: 65705.7
 Efficiency: 81.5%

Spill:
 Lumens: 14891.5
 Efficiency: 18.5%

— 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°	9.0	14.5	20.0	28.5	37.0	44.0	51.0	57.5	64.0	69.0	74.0
87.5°	9.0	7.2	5.3	4.9	4.5	4.5	4.5	4.5	4.3	3.9	3.4
85°	9.0	7.4	5.5	5.3	5.0	5.1	5.0	4.9	4.7	4.3	3.9
82.5°	9.0	7.5	5.8	5.7	5.6	5.6	5.6	5.4	5.1	4.8	4.6
80°	9.0	7.7	6.1	6.1	6.1	6.2	6.1	5.9	5.8	5.6	5.4
77.5°	9.0	7.9	6.4	6.5	6.6	6.7	6.7	6.6	6.5	6.4	6.2
75°	9.0	8.1	6.7	6.9	7.2	7.3	7.2	7.2	7.2	7.1	6.7
72.5°	9.0	8.3	7.0	7.3	7.7	7.9	7.8	7.9	8.0	7.8	7.3
70°	9.0	8.5	7.4	7.7	8.3	8.5	8.5	8.9	8.9	8.5	8.6
67.5°	9.0	8.7	7.7	8.3	9.0	9.1	9.7	10.0	9.9	10.0	10.1
65°	9.0	8.9	8.1	8.9	9.6	10.0	10.9	11.1	11.6	11.6	11.7
62.5°	9.0	9.1	8.4	9.6	10.3	11.2	12.1	12.7	13.3	13.3	13.8
60°	9.0	9.3	8.8	10.2	11.0	12.4	13.4	14.5	15.2	15.8	16.0
57.5°	9.0	9.5	9.4	10.9	12.2	13.6	15.3	16.4	17.8	18.6	20.1
55°	9.0	9.8	10.0	11.6	13.3	14.9	17.2	18.6	20.6	22.1	25.3
52.5°	9.0	10.0	10.7	12.3	14.5	16.3	19.3	21.4	23.6	28.2	30.9
50°	9.0	10.2	11.3	13.0	15.7	18.3	21.4	24.5	27.7	34.9	42.0
47.5°	9.0	10.4	11.9	13.7	17.0	20.3	23.7	27.7	34.5	42.1	55.4
45°	9.0	10.6	12.6	14.7	18.2	22.3	26.5	30.9	41.8	55.6	70.0
42.5°	9.0	10.8	13.2	15.6	19.4	24.4	29.4	36.3	49.5	70.2	93.2
40°	9.0	11.1	13.9	16.7	20.9	26.6	32.4	43.1	59.2	85.5	119.6
37.5°	9.0	11.3	14.5	17.9	22.5	28.7	35.6	50.2	72.8	103.5	147.9
35°	9.0	11.5	15.2	19.1	24.2	31.2	38.9	57.3	86.5	127.9	180.6
32.5°	9.0	11.7	15.8	20.2	25.8	33.8	43.1	64.7	100.4	152.6	214.4
30°	9.0	11.9	16.5	21.4	27.5	36.4	49.1	73.1	114.3	177.6	246.5
27.5°	9.0	12.1	17.1	22.6	29.4	39.0	55.0	84.4	130.6	202.7	277.1
25°	9.0	12.3	17.7	23.8	31.3	41.6	60.8	95.5	149.9	228.0	306.2
22.5°	9.0	12.5	18.4	25.0	33.2	44.3	66.4	106.3	168.0	249.4	339.1
20°	9.0	12.7	19.0	26.1	35.0	47.0	71.9	116.6	184.9	269.4	368.0
17.5°	9.0	12.9	19.5	27.2	36.8	49.7	77.0	126.6	200.4	288.0	395.2
15°	9.0	13.1	20.1	28.3	38.5	52.3	81.7	135.3	214.5	305.1	420.7
12.5°	9.0	13.2	20.7	29.4	40.1	54.7	86.1	142.6	227.1	320.6	444.3
10°	9.0	13.4	21.2	30.4	41.7	57.1	90.1	149.0	238.3	336.1	466.4
7.5°	9.0	13.6	21.7	31.4	43.1	59.3	93.7	154.5	248.3	350.3	487.1
5°	9.0	13.7	22.1	32.3	44.5	61.3	96.9	159.2	257.0	363.0	505.2
2.5°	9.0	13.9	22.6	33.2	45.8	63.3	99.6	163.0	264.3	373.9	520.5
0°	9.0	14.0	23.0	34.0	47.0	65.0	102.0	166.0	270.0	383.0	533.0
-2.5°	9.0	14.3	23.7	35.1	48.5	66.9	104.6	170.0	275.5	391.5	542.9
-5°	9.0	14.6	24.4	36.1	50.0	68.6	106.7	173.0	279.3	397.8	549.7
-7.5°	9.0	14.9	25.1	37.1	51.3	70.2	108.4	175.0	281.4	401.7	553.2
-10°	9.0	15.2	25.7	37.9	52.5	71.5	109.6	176.0	281.5	403.3	553.6
-12.5°	9.0	15.5	26.2	38.8	53.6	72.7	110.3	176.0	279.8	402.4	552.0
-15°	9.0	15.8	26.8	39.5	54.5	73.7	110.4	174.8	276.6	399.7	547.6
-17.5°	9.0	16.0	27.2	40.2	55.4	74.5	110.1	173.2	272.2	394.3	539.5
-20°	9.0	16.2	27.7	40.8	56.1	75.1	109.4	170.8	265.9	386.1	527.8



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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°	9.0	16.4	28.0	41.3	56.7	75.5	108.5	167.1	257.8	375.1	512.4
-25°	9.0	16.6	28.4	41.7	57.1	75.9	106.9	162.0	247.7	361.1	494.0
-27.5°	9.0	16.8	28.6	42.1	57.4	76.2	104.7	155.4	235.8	346.4	477.0
-30°	9.0	16.9	28.8	42.4	57.6	76.4	101.9	147.4	225.6	331.8	456.8
-32.5°	9.0	17.1	29.0	42.6	57.9	76.3	98.3	142.3	215.8	314.9	433.2
-35°	9.0	17.2	29.1	42.7	58.1	76.0	96.8	137.7	204.1	295.7	406.3
-37.5°	9.0	17.3	29.1	42.7	58.1	75.7	96.2	132.5	190.3	274.3	381.4
-40°	9.0	17.4	29.1	42.7	58.0	75.5	95.4	126.4	174.6	255.1	354.9
-42.5°	9.0	17.4	29.1	42.6	57.9	75.2	94.4	119.6	163.6	234.8	324.3
-45°	9.0	17.4	28.9	42.5	57.7	74.7	93.1	114.6	154.9	212.7	291.3
-47.5°	9.0	17.4	28.7	42.3	57.5	74.1	91.5	112.6	145.3	189.1	264.5
-50°	9.0	17.4	28.5	42.0	57.0	73.3	90.2	110.3	134.5	176.6	235.7
-52.5°	9.0	17.4	28.2	41.7	56.5	72.3	88.9	107.5	128.5	162.8	206.2
-55°	9.0	17.3	27.9	41.2	55.8	71.2	87.2	104.4	124.5	147.7	188.1
-57.5°	9.0	17.2	27.4	40.7	54.9	69.9	85.4	102.1	120.0	140.1	168.7
-60°	9.0	17.1	27.0	40.0	53.9	68.5	83.3	99.3	115.5	134.4	152.6
-62.5°	9.0	17.0	26.7	39.3	52.9	66.9	81.3	96.4	111.9	128.2	145.2
-65°	9.0	16.9	26.3	38.5	51.8	65.2	79.2	93.3	108.1	123.0	137.5
-67.5°	9.0	16.7	25.8	37.6	50.5	63.4	76.8	90.3	104.0	118.0	131.0
-70°	9.0	16.5	25.3	36.7	49.2	61.4	74.3	87.1	100.1	112.7	125.0
-72.5°	9.0	16.3	24.8	35.8	47.7	59.3	71.5	83.7	95.9	107.5	118.8
-75°	9.0	16.1	24.2	35.0	46.2	57.0	68.4	79.9	91.5	102.2	112.7
-77.5°	9.0	15.9	23.6	34.0	44.8	54.6	65.2	75.9	86.8	96.5	106.3
-80°	9.0	15.6	22.9	33.0	43.4	52.5	61.8	71.8	81.9	90.5	99.2
-82.5°	9.0	15.4	22.2	32.0	41.9	50.5	59.2	67.9	76.9	84.2	91.6
-85°	9.0	15.1	21.5	30.9	40.3	48.4	56.5	64.5	72.7	78.8	84.8
-87.5°	9.0	14.8	20.8	29.7	38.7	46.2	53.8	61.1	68.4	73.9	79.5
-90°	9.0	7.0	5.0	4.5	4.0	4.0	4.0	4.0	4.0	3.5	3.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	78.5	83.0	86.5	90.0	94.0	98.0	102.0	106.0	110.0	114.0	117.5
87.5°	3.5	3.5	3.3	3.0	3.0	3.0	2.5	2.0	2.0	2.0	2.0
85°	3.9	4.0	3.6	3.2	3.1	3.0	2.7	2.4	2.5	2.5	2.6
82.5°	4.6	4.5	4.2	3.8	3.5	3.0	3.0	3.1	3.2	3.3	3.2
80°	5.3	5.1	4.7	4.4	4.0	3.6	3.7	3.8	3.9	4.1	3.8
77.5°	5.9	5.6	5.3	5.0	4.7	4.5	4.6	4.6	4.7	4.8	4.6
75°	6.4	6.1	5.9	5.6	5.5	5.7	5.7	5.4	5.4	5.6	5.4
72.5°	7.2	6.9	6.5	6.2	6.3	6.2	5.9	5.9	7.1	8.9	10.3
70°	8.4	7.8	7.5	7.6	7.4	7.3	8.8	11.2	13.6	16.3	19.4
67.5°	9.8	9.4	9.1	9.2	9.9	11.5	14.0	19.5	24.9	28.8	31.6
65°	11.3	11.1	11.2	12.1	12.9	18.0	24.6	31.1	36.3	38.9	40.4
62.5°	13.0	14.0	14.3	16.2	20.3	26.3	34.2	40.6	45.5	44.9	42.8
60°	16.8	17.6	19.9	23.7	28.3	34.5	42.9	45.8	46.2	46.0	40.7
57.5°	21.5	24.2	28.6	32.2	38.1	41.4	43.7	45.1	45.5	42.5	36.1
55°	28.5	33.7	39.5	43.3	47.3	43.5	44.6	47.5	45.5	40.9	33.1
52.5°	39.4	45.4	54.3	57.4	55.8	53.0	53.3	54.5	50.1	45.1	39.5
50°	51.0	63.4	71.3	75.0	70.1	70.7	68.3	68.9	68.5	66.5	68.0
47.5°	68.8	83.4	94.4	99.4	95.1	103.7	102.0	118.6	117.3	147.0	150.8
45°	89.9	111.4	124.3	135.5	145.3	157.5	186.8	199.1	247.8	275.3	310.6
42.5°	115.4	145.4	169.0	178.6	230.0	255.2	297.1	345.8	388.6	424.9	442.2
40°	152.4	183.8	222.8	275.7	331.5	373.6	431.0	481.8	510.6	528.4	530.4
37.5°	192.4	239.6	290.9	374.9	435.4	485.9	555.8	576.4	599.2	607.9	636.7
35°	234.3	298.1	382.2	465.1	525.4	588.8	627.8	654.5	674.5	706.6	818.4
32.5°	283.8	358.1	460.5	545.1	606.0	667.7	689.8	723.5	763.7	846.0	1159.6
30°	333.6	424.0	526.5	614.8	677.2	721.7	753.7	796.4	853.9	1166.4	1714.9
27.5°	374.9	482.4	583.3	673.2	738.8	778.1	818.8	879.9	1089.2	1557.6	2374.7
25°	413.3	525.9	639.2	730.7	791.4	835.5	885.0	965.3	1376.5	2196.6	2792.0
22.5°	449.7	567.1	693.6	789.0	840.6	890.1	962.8	1230.1	1849.3	2851.8	3142.7
20°	484.4	611.5	744.5	838.2	885.1	944.3	1036.5	1525.7	2470.4	3152.9	3358.3
17.5°	519.4	656.1	789.9	873.0	924.3	1000.8	1133.8	1789.6	2998.5	3390.9	3531.1
15°	553.5	699.1	828.8	904.4	964.2	1058.8	1358.1	2189.8	3304.3	3592.1	3719.5
12.5°	586.1	737.0	859.7	930.6	1003.9	1115.2	1569.8	2566.2	3464.0	3751.6	3827.7
10°	616.7	770.1	887.0	956.3	1042.5	1167.5	1775.0	2876.7	3616.2	3874.5	3893.6
7.5°	643.1	797.0	911.8	981.8	1079.0	1215.8	1980.5	3153.5	3718.6	3958.3	3926.2
5°	666.0	817.9	938.8	1011.8	1115.0	1258.3	2154.8	3365.6	3765.8	3996.8	3945.1
2.5°	685.3	834.4	963.5	1040.9	1148.8	1293.5	2239.2	3468.5	3772.8	4012.0	3996.0
0°	701.0	847.0	985.0	1068.0	1179.0	1323.0	2285.0	3517.0	3760.0	4008.0	4076.0
-2.5°	713.9	866.2	1009.5	1095.4	1204.1	1349.3	2288.8	3522.9	3787.5	4097.0	4239.6
-5°	722.8	881.2	1029.7	1120.3	1225.8	1370.3	2255.3	3474.1	3821.0	4173.6	4379.7
-7.5°	727.6	891.9	1045.5	1142.0	1244.6	1387.6	2176.9	3412.1	3925.8	4256.9	4493.8
-10°	728.4	899.8	1057.6	1158.5	1260.1	1400.3	2066.2	3273.0	4014.3	4336.2	4562.0
-12.5°	727.7	904.5	1065.7	1173.5	1271.6	1409.0	1953.8	3115.9	4110.7	4432.5	4615.9
-15°	722.1	903.6	1069.9	1188.0	1286.2	1423.4	1818.2	2874.6	4156.4	4484.3	4649.5
-17.5°	711.6	896.9	1067.2	1203.4	1298.1	1431.2	1633.7	2536.6	3958.2	4464.0	4682.5
-20°	696.0	882.4	1055.7	1215.0	1305.2	1435.9	1596.8	2289.4	3485.4	4385.0	4712.7



REPORT NUMBER: P413592 (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°	676.1	864.3	1036.1	1204.0	1317.7	1438.7	1589.3	2001.3	2911.9	4246.2	4686.4
-25°	654.1	838.2	1011.1	1186.0	1325.8	1436.8	1570.8	1736.2	2439.9	3593.5	4511.5
-27.5°	630.5	806.6	987.1	1163.3	1328.9	1430.8	1554.7	1706.7	2084.9	2826.5	4186.7
-30°	602.6	771.4	955.2	1134.2	1305.5	1429.9	1538.9	1659.5	1811.9	2350.0	3350.9
-32.5°	571.5	732.2	913.1	1093.0	1269.9	1427.6	1516.2	1622.9	1752.9	1966.0	2609.0
-35°	539.8	694.5	864.7	1043.6	1226.7	1389.8	1500.9	1587.9	1694.7	1831.2	2158.8
-37.5°	508.6	652.2	809.8	985.6	1165.1	1327.6	1479.5	1562.4	1652.7	1758.0	1906.0
-40°	473.7	604.5	754.8	919.1	1092.2	1255.3	1405.5	1540.8	1616.7	1708.6	1817.6
-42.5°	435.7	560.2	696.8	845.2	1012.0	1174.7	1324.8	1468.1	1591.0	1663.3	1750.0
-45°	396.9	511.8	635.7	774.8	924.3	1084.3	1230.7	1376.8	1515.2	1633.8	1699.6
-47.5°	353.0	460.3	577.5	698.7	836.6	978.7	1126.7	1270.0	1416.3	1543.6	1662.4
-50°	309.4	407.5	513.7	625.8	745.6	872.3	1007.0	1151.3	1292.1	1428.8	1551.2
-52.5°	274.1	350.9	448.9	551.7	656.6	766.7	888.0	1016.2	1153.8	1289.7	1408.1
-55°	236.5	304.6	380.9	475.6	570.1	666.9	769.9	884.8	1003.7	1133.2	1246.0
-57.5°	208.0	259.1	322.4	396.4	483.4	569.7	660.4	755.0	861.9	972.2	1066.5
-60°	184.4	221.2	269.6	329.9	395.9	474.2	550.8	635.9	726.0	808.9	893.8
-62.5°	162.5	192.7	226.9	269.2	325.7	380.4	445.4	519.8	598.8	670.5	735.2
-65°	153.6	168.4	194.2	226.1	258.7	304.7	352.7	405.9	473.2	532.6	588.7
-67.5°	144.4	158.3	172.0	189.1	218.0	244.8	270.4	317.2	364.5	403.8	444.7
-70°	136.8	148.2	160.6	173.0	185.7	201.8	226.1	251.5	276.3	301.9	336.4
-72.5°	129.4	139.6	149.9	159.9	171.1	182.6	194.3	206.3	223.9	244.1	263.1
-75°	122.0	130.8	139.9	149.0	158.1	167.4	177.1	187.9	198.6	209.4	219.8
-77.5°	114.6	122.6	130.3	138.1	145.9	154.1	162.8	171.5	180.4	189.2	197.6
-80°	106.7	114.2	121.0	127.8	134.6	141.5	148.8	156.2	163.8	171.5	178.8
-82.5°	98.1	104.6	110.8	117.0	122.9	129.0	135.1	141.2	147.4	153.7	160.1
-85°	89.9	94.8	100.3	105.8	110.4	115.1	120.5	125.9	131.2	136.5	142.0
-87.5°	84.2	89.0	93.2	97.4	101.3	105.0	109.4	113.7	118.1	122.4	126.6
-90°	3.0	3.0	3.0	3.0	3.0	3.0	2.5	2.0	2.0	2.0	2.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	121.0	123.5	126.0	127.5	129.0	131.0	133.0	136.5	140.0	142.0	144.0
87.5°	2.0	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	2.6	2.2	1.8	1.8	1.8	1.8	1.9	1.9	1.9	2.0	2.0
82.5°	3.0	2.8	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0
80°	3.4	3.4	3.5	3.3	3.0	3.0	3.0	3.0	3.0	3.0	3.0
77.5°	4.2	4.2	4.3	3.9	3.2	3.0	3.0	3.0	3.0	3.0	3.0
75°	5.1	5.3	6.3	6.4	5.9	6.0	6.2	6.0	5.5	5.2	4.9
72.5°	11.1	11.8	12.8	13.8	13.9	14.6	15.5	16.7	18.0	19.2	20.1
70°	21.5	23.3	25.1	25.8	25.4	25.8	26.7	28.1	29.7	31.4	33.1
67.5°	32.0	31.6	32.9	34.2	33.5	32.5	31.6	31.4	32.4	33.6	34.7
65°	38.6	33.8	32.9	32.6	31.9	30.3	27.7	25.6	24.6	23.4	22.4
62.5°	38.4	31.3	28.1	26.0	24.3	22.9	19.4	16.4	14.4	13.1	13.0
60°	33.9	26.6	21.8	19.1	16.3	13.2	11.1	9.0	8.0	7.4	7.6
57.5°	28.5	21.6	16.8	15.3	12.8	9.6	7.6	6.6	6.0	5.4	5.4
55°	26.5	22.9	18.3	17.4	15.7	13.1	11.0	11.1	10.1	8.9	9.5
52.5°	33.9	35.6	31.3	30.5	38.2	37.0	29.2	37.3	42.4	43.1	43.4
50°	75.6	76.1	96.3	95.2	109.5	120.3	117.4	129.7	146.7	152.0	156.6
47.5°	183.4	201.7	215.5	227.6	246.9	275.6	297.7	315.2	326.6	330.1	335.7
45°	333.2	343.7	365.3	390.2	424.3	469.7	493.6	505.4	598.7	672.3	735.6
42.5°	449.9	473.6	515.3	576.2	609.6	792.0	1041.8	1118.3	1164.6	1226.0	1256.7
40°	558.5	604.4	731.9	885.8	1252.5	1608.0	1705.7	1754.0	1802.1	1761.9	1701.6
37.5°	726.5	875.5	1190.9	1590.5	1806.1	1962.0	2005.2	1983.5	1997.2	1986.0	1937.4
35°	1043.7	1479.9	1838.3	1960.5	2061.7	2058.8	2045.4	2019.3	1998.4	1968.1	1949.1
32.5°	1687.4	2141.0	2152.7	2147.8	2138.5	2106.0	2067.1	2021.7	1972.0	1938.5	1936.0
30°	2366.4	2395.2	2343.7	2266.9	2202.1	2154.5	2099.8	2063.1	2035.4	2027.4	2111.3
27.5°	2638.8	2622.4	2526.2	2388.3	2278.5	2220.2	2200.6	2192.9	2296.2	2381.4	2501.4
25°	2967.0	2867.0	2751.6	2577.5	2457.1	2360.1	2410.3	2506.1	2692.0	2863.5	3006.5
22.5°	3175.0	3117.5	2982.6	2801.2	2671.4	2642.9	2727.8	2951.8	3199.6	3482.3	4040.7
20°	3353.4	3308.4	3136.3	2955.1	2887.6	2959.4	3181.1	3542.1	4113.7	5887.0	7832.0
17.5°	3493.9	3384.5	3223.8	3083.8	3098.5	3355.0	3802.7	4861.8	7357.6	13611.3	19625.5
15°	3616.3	3472.7	3275.7	3245.2	3425.9	3841.9	4729.9	8087.1	16217.6	26923.8	39580.0
12.5°	3710.7	3519.9	3323.1	3389.2	3746.9	4408.1	7555.0	15228.9	28111.8	44042.6	72219.6
10°	3748.2	3522.3	3431.7	3629.3	4125.6	5710.5	11124.9	22787.4	41140.1	73207.7	114532.5
7.5°	3738.9	3524.4	3552.9	3834.8	4422.6	7350.7	16116.2	32164.5	58996.7	101815.0	168259.1
5°	3749.3	3578.0	3684.3	4018.6	4707.3	8298.8	19797.9	39562.1	75632.6	132272.7	222618.8
2.5°	3819.8	3671.9	3790.6	4164.2	4842.6	9063.9	22143.1	45364.7	88035.3	157499.7	269552.6
0°	3972.0	3752.0	3909.0	4269.0	4963.0	9480.0	23524.0	48787.0	93159.0	166977.5	287567.0
-2.5°	4105.3	3848.3	3985.7	4344.9	5043.6	9281.7	24006.8	48942.5	88412.9	156585.8	268601.7
-5°	4237.4	3975.7	4054.7	4406.2	5075.2	8742.4	21346.0	43513.1	79723.0	134788.2	222907.1
-7.5°	4381.0	4125.4	4129.4	4447.5	5068.3	8134.5	18164.2	36052.2	63684.4	107853.5	169123.2
-10°	4535.0	4295.2	4214.9	4472.1	5058.6	6813.8	12631.2	26328.1	46974.9	77100.3	116086.4
-12.5°	4701.6	4494.8	4307.3	4446.6	4939.2	5751.5	9283.7	17650.3	31166.9	50344.1	75943.2
-15°	4841.2	4692.3	4488.8	4501.1	4780.7	5327.1	6361.5	9719.5	18977.1	30921.0	44593.1
-17.5°	4870.7	4894.0	4704.9	4524.7	4592.9	4937.3	5502.4	6683.4	9730.7	16715.0	24646.6
-20°	4884.6	5089.6	4937.0	4729.4	4612.1	4674.9	4959.1	5393.4	6140.2	8528.0	11417.1



REPORT NUMBER: P413592 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4908.0	5103.6	5189.3	5008.4	4738.5	4635.7	4640.6	4870.7	5174.4	5499.7	6460.8
-25°	4941.8	5139.6	5335.4	5292.6	5063.9	4783.3	4610.8	4568.1	4719.0	4874.6	5102.3
-27.5°	4831.7	5185.2	5429.1	5515.2	5385.5	5118.4	4818.1	4592.1	4554.9	4521.9	4655.7
-30°	4650.7	5145.3	5431.5	5611.9	5584.6	5426.8	5193.5	4962.6	4729.4	4561.0	4535.9
-32.5°	3851.5	5029.3	5322.9	5522.5	5671.0	5624.4	5528.2	5352.6	5172.6	4996.8	4836.8
-35°	2996.5	4143.4	5160.2	5309.9	5486.0	5638.2	5712.5	5628.9	5534.5	5413.1	5299.3
-37.5°	2283.2	3123.5	4039.0	4861.5	5154.0	5396.1	5603.9	5710.9	5740.5	5665.5	5612.0
-40°	1950.0	2200.4	2915.6	3585.2	4272.8	4886.8	5152.9	5503.0	5725.4	5747.3	5748.7
-42.5°	1845.2	1950.1	2050.7	2506.6	3029.6	3529.9	4143.0	4762.6	5236.9	5505.1	5673.9
-45°	1769.9	1839.9	1907.8	1983.1	2043.7	2412.1	2870.4	3334.8	3821.5	4395.8	4903.1
-47.5°	1717.2	1760.5	1810.6	1855.5	1893.4	1942.5	1996.7	2104.8	2453.2	2842.5	3214.7
-50°	1638.5	1708.1	1740.8	1769.1	1797.8	1825.8	1852.8	1895.5	1944.8	1992.4	2029.5
-52.5°	1507.9	1585.6	1655.3	1707.5	1726.8	1746.7	1766.0	1797.9	1829.7	1860.7	1883.5
-55°	1344.3	1429.7	1509.7	1565.1	1613.0	1660.2	1700.7	1724.1	1750.8	1777.3	1794.7
-57.5°	1161.8	1250.0	1328.2	1387.5	1443.7	1497.6	1543.2	1583.4	1628.4	1669.9	1698.6
-60°	975.1	1051.8	1123.5	1185.4	1245.9	1302.8	1352.7	1397.6	1442.1	1482.1	1512.2
-62.5°	797.4	863.2	922.6	975.4	1029.3	1080.8	1128.9	1175.6	1223.1	1261.2	1289.8
-65°	642.4	695.4	738.1	777.9	821.2	866.3	905.3	944.6	989.6	1025.2	1050.2
-67.5°	493.9	538.1	571.8	602.5	633.9	668.2	703.4	736.1	770.1	797.7	818.6
-70°	370.5	400.0	421.2	443.2	468.2	494.2	522.7	549.1	572.5	590.3	603.7
-72.5°	281.5	295.9	308.5	326.2	341.5	357.9	374.9	391.9	408.0	419.8	429.0
-75°	229.8	238.3	248.0	256.5	263.6	271.9	280.4	290.7	301.1	307.5	312.3
-77.5°	206.2	212.2	216.7	220.4	223.6	228.2	233.0	240.3	248.0	252.6	256.5
-80°	186.0	190.5	194.3	197.2	199.8	203.7	207.6	213.7	220.0	224.3	228.2
-82.5°	166.5	170.0	173.2	175.7	178.1	181.4	184.5	189.9	195.3	199.1	202.7
-85°	147.5	150.5	153.3	155.2	157.0	159.7	162.4	167.4	172.4	174.5	176.3
-87.5°	130.8	133.6	136.4	137.7	139.0	141.1	143.3	147.4	151.6	153.7	155.8
-90°	2.0	1.5	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



REPORT NUMBER: P413592 (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°	145.5	147.0	146.5	146.0	146.5	147.0	145.5	144.0	142.0	140.0	136.5
87.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.9	1.9
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9
80°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
77.5°	2.6	2.0	2.5	3.0	2.5	2.0	2.6	3.0	3.0	3.0	3.0
75°	4.4	4.0	4.0	4.0	4.0	4.0	4.4	4.9	5.2	5.5	6.0
72.5°	20.9	21.5	21.9	22.0	21.9	21.5	20.9	20.1	19.2	18.0	16.7
70°	34.8	36.4	37.3	38.0	37.3	36.4	34.8	33.1	31.4	29.7	28.1
67.5°	35.8	36.8	37.0	37.0	37.0	36.8	35.8	34.7	33.6	32.4	31.4
65°	20.8	19.0	18.2	18.0	18.2	19.0	20.8	22.4	23.4	24.6	25.6
62.5°	12.8	12.3	12.5	13.0	12.5	12.3	12.8	13.0	13.1	14.4	16.4
60°	7.6	7.3	7.5	8.0	7.5	7.3	7.6	7.6	7.4	8.0	9.0
57.5°	5.4	5.9	6.4	7.0	6.4	5.9	5.4	5.4	5.4	6.0	6.6
55°	10.2	10.7	11.3	12.0	11.3	10.7	10.2	9.5	8.9	10.1	11.1
52.5°	41.7	40.0	38.1	36.0	38.1	40.0	41.7	43.4	43.1	42.4	37.3
50°	161.3	167.8	170.8	170.0	170.8	167.8	161.3	156.6	152.0	146.7	129.7
47.5°	342.4	343.6	338.5	329.0	338.5	343.6	342.4	335.7	330.1	326.6	315.2
45°	787.2	734.3	651.7	578.0	651.7	734.3	787.2	735.6	672.3	598.7	505.4
42.5°	1343.3	1398.7	1440.0	1456.0	1440.0	1398.7	1343.3	1256.7	1226.0	1164.6	1118.3
40°	1668.2	1616.4	1581.0	1585.0	1581.0	1616.4	1668.2	1701.6	1761.9	1802.1	1754.0
37.5°	1930.3	1942.6	1941.5	1938.0	1941.5	1942.6	1930.3	1937.4	1986.0	1997.2	1983.5
35°	1970.5	2047.3	2146.4	2204.0	2146.4	2047.3	1970.5	1949.1	1968.1	1998.4	2019.3
32.5°	1953.9	2010.5	2013.3	2015.0	2013.3	2010.5	1953.9	1936.0	1938.5	1972.0	2021.7
30°	2169.0	2222.2	2223.5	2223.0	2223.5	2222.2	2169.0	2111.3	2027.4	2035.4	2063.1
27.5°	2578.0	2639.6	2668.1	2661.0	2668.1	2639.6	2578.0	2501.4	2381.4	2296.2	2192.9
25°	3096.6	3141.8	3165.2	3160.0	3165.2	3141.8	3096.6	3006.5	2863.5	2692.0	2506.1
22.5°	4854.5	5056.5	5198.0	5223.0	5198.0	5056.5	4854.5	4040.7	3482.3	3199.6	2951.8
20°	12026.2	13844.7	14169.0	13452.0	14169.0	13844.7	12026.2	7832.0	5887.0	4113.7	3542.1
17.5°	28114.2	34877.3	41009.8	44086.0	41009.8	34877.3	28114.2	19625.5	13611.3	7357.6	4861.8
15°	56809.2	73591.7	85246.0	90899.0	85246.0	73591.7	56809.2	39580.0	26923.8	16217.6	8087.1
12.5°	100722.7	131792.1	155433.5	169023.0	155433.5	131792.1	100722.7	72219.6	44042.6	28111.8	15228.9
10°	168091.4	225042.3	274412.0	302745.0	274412.0	225042.3	168091.4	114532.5	73207.7	41140.1	22787.4
7.5°	256554.8	346112.1	403363.1	431145.5	403363.1	346112.1	256554.8	168259.1	101815.0	58996.7	32164.5
5°	338932.6	440834.1	516983.0	547239.0	516983.0	440834.1	338932.6	222618.8	132272.7	75632.6	39562.1
2.5°	400927.5	511265.4	592767.0	634206.0	592767.0	511265.4	400927.5	269552.6	157499.7	88035.3	45364.7
0°	420787.0	534522.0	621796.5	669389.0	621796.5	534522.0	420787.0	287567.0	166977.5	93159.0	48787.0
-2.5°	396809.8	508775.0	580106.3	610208.0	580106.3	508775.0	396809.8	268601.7	156585.8	88412.9	48942.5
-5°	338520.7	430466.2	499708.2	520164.0	499708.2	430466.2	338520.7	222907.1	134788.2	79723.0	43513.1
-7.5°	245513.8	329506.2	385623.9	403250.0	385623.9	329506.2	245513.8	169123.2	107853.5	63684.4	36052.2
-10°	164783.8	218674.5	257176.9	274440.0	257176.9	218674.5	164783.8	116086.4	77100.3	46974.9	26328.1
-12.5°	103502.0	131662.7	151190.7	159443.0	151190.7	131662.7	103502.0	75943.2	50344.1	31166.9	17650.3
-15°	62282.2	76715.2	85796.4	89190.0	85796.4	76715.2	62282.2	44593.1	30921.0	18977.1	9719.5
-17.5°	34047.1	41135.2	45764.9	47804.0	45764.9	41135.2	34047.1	24646.6	16715.0	9730.7	6683.4
-20°	16726.5	20425.0	23081.4	24358.0	23081.4	20425.0	16726.5	11417.1	8528.0	6140.2	5393.4



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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°	7861.6	8711.6	9248.1	9724.0	9248.1	8711.6	7861.6	6460.8	5499.7	5174.4	4870.7
-25°	5300.0	5469.0	5564.9	5631.0	5564.9	5469.0	5300.0	5102.3	4874.6	4719.0	4568.1
-27.5°	4763.9	4883.7	4946.4	4996.0	4946.4	4883.7	4763.9	4655.7	4521.9	4554.9	4592.1
-30°	4520.2	4537.9	4550.7	4570.0	4550.7	4537.9	4520.2	4535.9	4561.0	4729.4	4962.6
-32.5°	4711.8	4629.3	4588.3	4585.0	4588.3	4629.3	4711.8	4836.8	4996.8	5172.6	5352.6
-35°	5214.4	5156.1	5141.7	5139.0	5141.7	5156.1	5214.4	5299.3	5413.1	5534.5	5628.9
-37.5°	5576.1	5559.8	5557.1	5555.0	5557.1	5559.8	5576.1	5612.0	5665.5	5740.5	5710.9
-40°	5751.2	5761.2	5771.2	5765.0	5771.2	5761.2	5751.2	5748.7	5747.3	5725.4	5503.0
-42.5°	5745.8	5780.0	5796.3	5802.0	5796.3	5780.0	5745.8	5673.9	5505.1	5236.9	4762.6
-45°	5271.4	5520.6	5647.8	5670.0	5647.8	5520.6	5271.4	4903.1	4395.8	3821.5	3334.8
-47.5°	3532.4	3848.7	4006.1	3969.0	4006.1	3848.7	3532.4	3214.7	2842.5	2453.2	2104.8
-50°	2058.3	2090.5	2097.9	2081.0	2097.9	2090.5	2058.3	2029.5	1992.4	1944.8	1895.5
-52.5°	1901.5	1915.7	1918.1	1911.0	1918.1	1915.7	1901.5	1883.5	1860.7	1829.7	1797.9
-55°	1808.7	1817.5	1817.2	1811.0	1817.2	1817.5	1808.7	1794.7	1777.3	1750.8	1724.1
-57.5°	1722.2	1740.2	1743.4	1737.0	1743.4	1740.2	1722.2	1698.6	1669.9	1628.4	1583.4
-60°	1537.4	1557.2	1560.0	1553.0	1560.0	1557.2	1537.4	1512.2	1482.1	1442.1	1397.6
-62.5°	1314.4	1334.5	1337.2	1331.0	1337.2	1334.5	1314.4	1289.8	1261.2	1223.1	1175.6
-65°	1072.4	1091.1	1092.4	1086.0	1092.4	1091.1	1072.4	1050.2	1025.2	989.6	944.6
-67.5°	837.8	853.8	855.9	852.0	855.9	853.8	837.8	818.6	797.7	770.1	736.1
-70°	616.7	627.7	627.4	623.0	627.4	627.7	616.7	603.7	590.3	572.5	549.1
-72.5°	438.6	447.1	445.4	441.0	445.4	447.1	438.6	429.0	419.8	408.0	391.9
-75°	317.1	321.4	319.3	316.0	319.3	321.4	317.1	312.3	307.5	301.1	290.7
-77.5°	260.0	263.3	261.4	259.0	261.4	263.3	260.0	256.5	252.6	248.0	240.3
-80°	231.0	233.5	231.9	230.0	231.9	233.5	231.0	228.2	224.3	220.0	213.7
-82.5°	204.8	206.7	205.4	204.0	205.4	206.7	204.8	202.7	199.1	195.3	189.9
-85°	178.6	180.8	180.0	179.0	180.0	180.8	178.6	176.3	174.5	172.4	167.4
-87.5°	157.4	159.0	158.0	157.0	158.0	159.0	157.4	155.8	153.7	151.6	147.4
-90°	0.5	0.0	0.5	1.0	0.5	0.0	0.5	1.0	1.0	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	133.0	131.0	129.0	127.5	126.0	123.5	121.0	117.5	114.0	110.0	106.0
87.5°	1.0	1.0	1.0	1.0	1.0	1.5	2.0	2.0	2.0	2.0	2.0
85°	1.9	1.8	1.8	1.8	1.8	2.2	2.6	2.6	2.5	2.5	2.4
82.5°	2.8	2.8	2.7	2.7	2.6	2.8	3.0	3.2	3.3	3.2	3.1
80°	3.0	3.0	3.0	3.3	3.5	3.4	3.4	3.8	4.1	3.9	3.8
77.5°	3.0	3.0	3.2	3.9	4.3	4.2	4.2	4.6	4.8	4.7	4.6
75°	6.2	6.0	5.9	6.4	6.3	5.3	5.1	5.4	5.6	5.4	5.4
72.5°	15.5	14.6	13.9	13.8	12.8	11.8	11.1	10.3	8.9	7.1	5.9
70°	26.7	25.8	25.4	25.8	25.1	23.3	21.5	19.4	16.3	13.6	11.2
67.5°	31.6	32.5	33.5	34.2	32.9	31.6	32.0	31.6	28.8	24.9	19.5
65°	27.7	30.3	31.9	32.6	32.9	33.8	38.6	40.4	38.9	36.3	31.1
62.5°	19.4	22.9	24.3	26.0	28.1	31.3	38.4	42.8	44.9	45.5	40.6
60°	11.1	13.2	16.3	19.1	21.8	26.6	33.9	40.7	46.0	46.2	45.8
57.5°	7.6	9.6	12.8	15.3	16.8	21.6	28.5	36.1	42.5	45.5	45.1
55°	11.0	13.1	15.7	17.4	18.3	22.9	26.5	33.1	40.9	45.5	47.5
52.5°	29.2	37.0	38.2	30.5	31.3	35.6	33.9	39.5	45.1	50.1	54.5
50°	117.4	120.3	109.5	95.2	96.3	76.1	75.6	68.0	66.5	68.5	68.9
47.5°	297.7	275.6	246.9	227.6	215.5	201.7	183.4	150.8	147.0	117.3	118.6
45°	493.6	469.7	424.3	390.2	365.3	343.7	333.2	310.6	275.3	247.8	199.1
42.5°	1041.8	792.0	609.6	576.2	515.3	473.6	449.9	442.2	424.9	388.6	345.8
40°	1705.7	1608.0	1252.5	885.8	731.9	604.4	558.5	530.4	528.4	510.6	481.8
37.5°	2005.2	1962.0	1806.1	1590.5	1190.9	875.5	726.5	636.7	607.9	599.2	576.4
35°	2045.4	2058.8	2061.7	1960.5	1838.3	1479.9	1043.7	818.4	706.6	674.5	654.5
32.5°	2067.1	2106.0	2138.5	2147.8	2152.7	2141.0	1687.4	1159.6	846.0	763.7	723.5
30°	2099.8	2154.5	2202.1	2266.9	2343.7	2395.2	2366.4	1714.9	1166.4	853.9	796.4
27.5°	2200.6	2220.2	2278.5	2388.3	2526.2	2622.4	2638.8	2374.7	1557.6	1089.2	879.9
25°	2410.3	2360.1	2457.1	2577.5	2751.6	2867.0	2967.0	2792.0	2196.6	1376.5	965.3
22.5°	2727.8	2642.9	2671.4	2801.2	2982.6	3117.5	3175.0	3142.7	2851.8	1849.3	1230.1
20°	3181.1	2959.4	2887.6	2955.1	3136.3	3308.4	3353.4	3358.3	3152.9	2470.4	1525.7
17.5°	3802.7	3355.0	3098.5	3083.8	3223.8	3384.5	3493.9	3531.1	3390.9	2998.5	1789.6
15°	4729.9	3841.9	3425.9	3245.2	3275.7	3472.7	3616.3	3719.5	3592.1	3304.3	2189.8
12.5°	7555.0	4408.1	3746.9	3389.2	3323.1	3519.9	3710.7	3827.7	3751.6	3464.0	2566.2
10°	11124.9	5710.5	4125.6	3629.3	3431.7	3522.3	3748.2	3893.6	3874.5	3616.2	2876.7
7.5°	16116.2	7350.7	4422.6	3834.8	3552.9	3524.4	3738.9	3926.2	3958.3	3718.6	3153.5
5°	19797.9	8298.8	4707.3	4018.6	3684.3	3578.0	3749.3	3945.1	3996.8	3765.8	3365.6
2.5°	22143.1	9063.9	4842.6	4164.2	3790.6	3671.9	3819.8	3996.0	4012.0	3772.8	3468.5
0°	23524.0	9480.0	4963.0	4269.0	3909.0	3752.0	3972.0	4076.0	4008.0	3760.0	3517.0
-2.5°	24006.8	9281.7	5043.6	4344.9	3985.7	3848.3	4105.3	4239.6	4097.0	3787.5	3522.9
-5°	21346.0	8742.4	5075.2	4406.2	4054.7	3975.7	4237.4	4379.7	4173.6	3821.0	3474.1
-7.5°	18164.2	8134.5	5068.3	4447.5	4129.4	4125.4	4381.0	4493.8	4256.9	3925.8	3412.1
-10°	12631.2	6813.8	5058.6	4472.1	4214.9	4295.2	4535.0	4562.0	4336.2	4014.3	3273.0
-12.5°	9283.7	5751.5	4939.2	4446.6	4307.3	4494.8	4701.6	4615.9	4432.5	4110.7	3115.9
-15°	6361.5	5327.1	4780.7	4501.1	4488.8	4692.3	4841.2	4649.5	4484.3	4156.4	2874.6
-17.5°	5502.4	4937.3	4592.9	4524.7	4704.9	4894.0	4870.7	4682.5	4464.0	3958.2	2536.6
-20°	4959.1	4674.9	4612.1	4729.4	4937.0	5089.6	4884.6	4712.7	4385.0	3485.4	2289.4



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CATALOG NUMBER: EPH-08-0640L-57-70-1S-VHE

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4640.6	4635.7	4738.5	5008.4	5189.3	5103.6	4908.0	4686.4	4246.2	2911.9	2001.3
-25°	4610.8	4783.3	5063.9	5292.6	5335.4	5139.6	4941.8	4511.5	3593.5	2439.9	1736.2
-27.5°	4818.1	5118.4	5385.5	5515.2	5429.1	5185.2	4831.7	4186.7	2826.5	2084.9	1706.7
-30°	5193.5	5426.8	5584.6	5611.9	5431.5	5145.3	4650.7	3350.9	2350.0	1811.9	1659.5
-32.5°	5528.2	5624.4	5671.0	5522.5	5322.9	5029.3	3851.5	2609.0	1966.0	1752.9	1622.9
-35°	5712.5	5638.2	5486.0	5309.9	5160.2	4143.4	2996.5	2158.8	1831.2	1694.7	1587.9
-37.5°	5603.9	5396.1	5154.0	4861.5	4039.0	3123.5	2283.2	1906.0	1758.0	1652.7	1562.4
-40°	5152.9	4886.8	4272.8	3585.2	2915.6	2200.4	1950.0	1817.6	1708.6	1616.7	1540.8
-42.5°	4143.0	3529.9	3029.6	2506.6	2050.7	1950.1	1845.2	1750.0	1663.3	1591.0	1468.1
-45°	2870.4	2412.1	2043.7	1983.1	1907.8	1839.9	1769.9	1699.6	1633.8	1515.2	1376.8
-47.5°	1996.7	1942.5	1893.4	1855.5	1810.6	1760.5	1717.2	1662.4	1543.6	1416.3	1270.0
-50°	1852.8	1825.8	1797.8	1769.1	1740.8	1708.1	1638.5	1551.2	1428.8	1292.1	1151.3
-52.5°	1766.0	1746.7	1726.8	1707.5	1655.3	1585.6	1507.9	1408.1	1289.7	1153.8	1016.2
-55°	1700.7	1660.2	1613.0	1565.1	1509.7	1429.7	1344.3	1246.0	1133.2	1003.7	884.8
-57.5°	1543.2	1497.6	1443.7	1387.5	1328.2	1250.0	1161.8	1066.5	972.2	861.9	755.0
-60°	1352.7	1302.8	1245.9	1185.4	1123.5	1051.8	975.1	893.8	808.9	726.0	635.9
-62.5°	1128.9	1080.8	1029.3	975.4	922.6	863.2	797.4	735.2	670.5	598.8	519.8
-65°	905.3	866.3	821.2	777.9	738.1	695.4	642.4	588.7	532.6	473.2	405.9
-67.5°	703.4	668.2	633.9	602.5	571.8	538.1	493.9	444.7	403.8	364.5	317.2
-70°	522.7	494.2	468.2	443.2	421.2	400.0	370.5	336.4	301.9	276.3	251.5
-72.5°	374.9	357.9	341.5	326.2	308.5	295.9	281.5	263.1	244.1	223.9	206.3
-75°	280.4	271.9	263.6	256.5	248.0	238.3	229.8	219.8	209.4	198.6	187.9
-77.5°	233.0	228.2	223.6	220.4	216.7	212.2	206.2	197.6	189.2	180.4	171.5
-80°	207.6	203.7	199.8	197.2	194.3	190.5	186.0	178.8	171.5	163.8	156.2
-82.5°	184.5	181.4	178.1	175.7	173.2	170.0	166.5	160.1	153.7	147.4	141.2
-85°	162.4	159.7	157.0	155.2	153.3	150.5	147.5	142.0	136.5	131.2	125.9
-87.5°	143.3	141.1	139.0	137.7	136.4	133.6	130.8	126.6	122.4	118.1	113.7
-90°	1.0	1.0	1.0	1.0	1.0	1.5	2.0	2.0	2.0	2.0	2.0



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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°	102.0	98.0	94.0	90.0	86.5	83.0	78.5	74.0	69.0	64.0	57.5
87.5°	2.5	3.0	3.0	3.0	3.3	3.5	3.5	3.4	3.9	4.3	4.5
85°	2.7	3.0	3.1	3.2	3.6	4.0	3.9	3.9	4.3	4.7	4.9
82.5°	3.0	3.0	3.5	3.8	4.2	4.5	4.6	4.6	4.8	5.1	5.4
80°	3.7	3.6	4.0	4.4	4.7	5.1	5.3	5.4	5.6	5.8	5.9
77.5°	4.6	4.5	4.7	5.0	5.3	5.6	5.9	6.2	6.4	6.5	6.6
75°	5.7	5.7	5.5	5.6	5.9	6.1	6.4	6.7	7.1	7.2	7.2
72.5°	5.9	6.2	6.3	6.2	6.5	6.9	7.2	7.3	7.8	8.0	7.9
70°	8.8	7.3	7.4	7.6	7.5	7.8	8.4	8.6	8.5	8.9	8.9
67.5°	14.0	11.5	9.9	9.2	9.1	9.4	9.8	10.1	10.0	9.9	10.0
65°	24.6	18.0	12.9	12.1	11.2	11.1	11.3	11.7	11.6	11.6	11.1
62.5°	34.2	26.3	20.3	16.2	14.3	14.0	13.0	13.8	13.3	13.3	12.7
60°	42.9	34.5	28.3	23.7	19.9	17.6	16.8	16.0	15.8	15.2	14.5
57.5°	43.7	41.4	38.1	32.2	28.6	24.2	21.5	20.1	18.6	17.8	16.4
55°	44.6	43.5	47.3	43.3	39.5	33.7	28.5	25.3	22.1	20.6	18.6
52.5°	53.3	53.0	55.8	57.4	54.3	45.4	39.4	30.9	28.2	23.6	21.4
50°	68.3	70.7	70.1	75.0	71.3	63.4	51.0	42.0	34.9	27.7	24.5
47.5°	102.0	103.7	95.1	99.4	94.4	83.4	68.8	55.4	42.1	34.5	27.7
45°	186.8	157.5	145.3	135.5	124.3	111.4	89.9	70.0	55.6	41.8	30.9
42.5°	297.1	255.2	230.0	178.6	169.0	145.4	115.4	93.2	70.2	49.5	36.3
40°	431.0	373.6	331.5	275.7	222.8	183.8	152.4	119.6	85.5	59.2	43.1
37.5°	555.8	485.9	435.4	374.9	290.9	239.6	192.4	147.9	103.5	72.8	50.2
35°	627.8	588.8	525.4	465.1	382.2	298.1	234.3	180.6	127.9	86.5	57.3
32.5°	689.8	667.7	606.0	545.1	460.5	358.1	283.8	214.4	152.6	100.4	64.7
30°	753.7	721.7	677.2	614.8	526.5	424.0	333.6	246.5	177.6	114.3	73.1
27.5°	818.8	778.1	738.8	673.2	583.3	482.4	374.9	277.1	202.7	130.6	84.4
25°	885.0	835.5	791.4	730.7	639.2	525.9	413.3	306.2	228.0	149.9	95.5
22.5°	962.8	890.1	840.6	789.0	693.6	567.1	449.7	339.1	249.4	168.0	106.3
20°	1036.5	944.3	885.1	838.2	744.5	611.5	484.4	368.0	269.4	184.9	116.6
17.5°	1133.8	1000.8	924.3	873.0	789.9	656.1	519.4	395.2	288.0	200.4	126.6
15°	1358.1	1058.8	964.2	904.4	828.8	699.1	553.5	420.7	305.1	214.5	135.3
12.5°	1569.8	1115.2	1003.9	930.6	859.7	737.0	586.1	444.3	320.6	227.1	142.6
10°	1775.0	1167.5	1042.5	956.3	887.0	770.1	616.7	466.4	336.1	238.3	149.0
7.5°	1980.5	1215.8	1079.0	981.8	911.8	797.0	643.1	487.1	350.3	248.3	154.5
5°	2154.8	1258.3	1115.0	1011.8	938.8	817.9	666.0	505.2	363.0	257.0	159.2
2.5°	2239.2	1293.5	1148.8	1040.9	963.5	834.4	685.3	520.5	373.9	264.3	163.0
0°	2285.0	1323.0	1179.0	1068.0	985.0	847.0	701.0	533.0	383.0	270.0	166.0
-2.5°	2288.8	1349.3	1204.1	1095.4	1009.5	866.2	713.9	542.9	391.5	275.5	170.0
-5°	2255.3	1370.3	1225.8	1120.3	1029.7	881.2	722.8	549.7	397.8	279.3	173.0
-7.5°	2176.9	1387.6	1244.6	1142.0	1045.5	891.9	727.6	553.2	401.7	281.4	175.0
-10°	2066.2	1400.3	1260.1	1158.5	1057.6	899.8	728.4	553.6	403.3	281.5	176.0
-12.5°	1953.8	1409.0	1271.6	1173.5	1065.7	904.5	727.7	552.0	402.4	279.8	176.0
-15°	1818.2	1423.4	1286.2	1188.0	1069.9	903.6	722.1	547.6	399.7	276.6	174.8
-17.5°	1633.7	1431.2	1298.1	1203.4	1067.2	896.9	711.6	539.5	394.3	272.2	173.2
-20°	1596.8	1435.9	1305.2	1215.0	1055.7	882.4	696.0	527.8	386.1	265.9	170.8



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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°	1589.3	1438.7	1317.7	1204.0	1036.1	864.3	676.1	512.4	375.1	257.8	167.1
-25°	1570.8	1436.8	1325.8	1186.0	1011.1	838.2	654.1	494.0	361.1	247.7	162.0
-27.5°	1554.7	1430.8	1328.9	1163.3	987.1	806.6	630.5	477.0	346.4	235.8	155.4
-30°	1538.9	1429.9	1305.5	1134.2	955.2	771.4	602.6	456.8	331.8	225.6	147.4
-32.5°	1516.2	1427.6	1269.9	1093.0	913.1	732.2	571.5	433.2	314.9	215.8	142.3
-35°	1500.9	1389.8	1226.7	1043.6	864.7	694.5	539.8	406.3	295.7	204.1	137.7
-37.5°	1479.5	1327.6	1165.1	985.6	809.8	652.2	508.6	381.4	274.3	190.3	132.5
-40°	1405.5	1255.3	1092.2	919.1	754.8	604.5	473.7	354.9	255.1	174.6	126.4
-42.5°	1324.8	1174.7	1012.0	845.2	696.8	560.2	435.7	324.3	234.8	163.6	119.6
-45°	1230.7	1084.3	924.3	774.8	635.7	511.8	396.9	291.3	212.7	154.9	114.6
-47.5°	1126.7	978.7	836.6	698.7	577.5	460.3	353.0	264.5	189.1	145.3	112.6
-50°	1007.0	872.3	745.6	625.8	513.7	407.5	309.4	235.7	176.6	134.5	110.3
-52.5°	888.0	766.7	656.6	551.7	448.9	350.9	274.1	206.2	162.8	128.5	107.5
-55°	769.9	666.9	570.1	475.6	380.9	304.6	236.5	188.1	147.7	124.5	104.4
-57.5°	660.4	569.7	483.4	396.4	322.4	259.1	208.0	168.7	140.1	120.0	102.1
-60°	550.8	474.2	395.9	329.9	269.6	221.2	184.4	152.6	134.4	115.5	99.3
-62.5°	445.4	380.4	325.7	269.2	226.9	192.7	162.5	145.2	128.2	111.9	96.4
-65°	352.7	304.7	258.7	226.1	194.2	168.4	153.6	137.5	123.0	108.1	93.3
-67.5°	270.4	244.8	218.0	189.1	172.0	158.3	144.4	131.0	118.0	104.0	90.3
-70°	226.1	201.8	185.7	173.0	160.6	148.2	136.8	125.0	112.7	100.1	87.1
-72.5°	194.3	182.6	171.1	159.9	149.9	139.6	129.4	118.8	107.5	95.9	83.7
-75°	177.1	167.4	158.1	149.0	139.9	130.8	122.0	112.7	102.2	91.5	79.9
-77.5°	162.8	154.1	145.9	138.1	130.3	122.6	114.6	106.3	96.5	86.8	75.9
-80°	148.8	141.5	134.6	127.8	121.0	114.2	106.7	99.2	90.5	81.9	71.8
-82.5°	135.1	129.0	122.9	117.0	110.8	104.6	98.1	91.6	84.2	76.9	67.9
-85°	120.5	115.1	110.4	105.8	100.3	94.8	89.9	84.8	78.8	72.7	64.5
-87.5°	109.4	105.0	101.3	97.4	93.2	89.0	84.2	79.5	73.9	68.4	61.1
-90°	2.5	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.5	4.0	4.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	51.0	44.0	37.0	28.5	20.0	14.5	9.0
87.5°	4.5	4.5	4.5	4.9	5.3	7.2	9.0
85°	5.0	5.1	5.0	5.3	5.5	7.4	9.0
82.5°	5.6	5.6	5.6	5.7	5.8	7.5	9.0
80°	6.1	6.2	6.1	6.1	6.1	7.7	9.0
77.5°	6.7	6.7	6.6	6.5	6.4	7.9	9.0
75°	7.2	7.3	7.2	6.9	6.7	8.1	9.0
72.5°	7.8	7.9	7.7	7.3	7.0	8.3	9.0
70°	8.5	8.5	8.3	7.7	7.4	8.5	9.0
67.5°	9.7	9.1	9.0	8.3	7.7	8.7	9.0
65°	10.9	10.0	9.6	8.9	8.1	8.9	9.0
62.5°	12.1	11.2	10.3	9.6	8.4	9.1	9.0
60°	13.4	12.4	11.0	10.2	8.8	9.3	9.0
57.5°	15.3	13.6	12.2	10.9	9.4	9.5	9.0
55°	17.2	14.9	13.3	11.6	10.0	9.8	9.0
52.5°	19.3	16.3	14.5	12.3	10.7	10.0	9.0
50°	21.4	18.3	15.7	13.0	11.3	10.2	9.0
47.5°	23.7	20.3	17.0	13.7	11.9	10.4	9.0
45°	26.5	22.3	18.2	14.7	12.6	10.6	9.0
42.5°	29.4	24.4	19.4	15.6	13.2	10.8	9.0
40°	32.4	26.6	20.9	16.7	13.9	11.1	9.0
37.5°	35.6	28.7	22.5	17.9	14.5	11.3	9.0
35°	38.9	31.2	24.2	19.1	15.2	11.5	9.0
32.5°	43.1	33.8	25.8	20.2	15.8	11.7	9.0
30°	49.1	36.4	27.5	21.4	16.5	11.9	9.0
27.5°	55.0	39.0	29.4	22.6	17.1	12.1	9.0
25°	60.8	41.6	31.3	23.8	17.7	12.3	9.0
22.5°	66.4	44.3	33.2	25.0	18.4	12.5	9.0
20°	71.9	47.0	35.0	26.1	19.0	12.7	9.0
17.5°	77.0	49.7	36.8	27.2	19.5	12.9	9.0
15°	81.7	52.3	38.5	28.3	20.1	13.1	9.0
12.5°	86.1	54.7	40.1	29.4	20.7	13.2	9.0
10°	90.1	57.1	41.7	30.4	21.2	13.4	9.0
7.5°	93.7	59.3	43.1	31.4	21.7	13.6	9.0
5°	96.9	61.3	44.5	32.3	22.1	13.7	9.0
2.5°	99.6	63.3	45.8	33.2	22.6	13.9	9.0
0°	102.0	65.0	47.0	34.0	23.0	14.0	9.0
-2.5°	104.6	66.9	48.5	35.1	23.7	14.3	9.0
-5°	106.7	68.6	50.0	36.1	24.4	14.6	9.0
-7.5°	108.4	70.2	51.3	37.1	25.1	14.9	9.0
-10°	109.6	71.5	52.5	37.9	25.7	15.2	9.0
-12.5°	110.3	72.7	53.6	38.8	26.2	15.5	9.0
-15°	110.4	73.7	54.5	39.5	26.8	15.8	9.0
-17.5°	110.1	74.5	55.4	40.2	27.2	16.0	9.0
-20°	109.4	75.1	56.1	40.8	27.7	16.2	9.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	108.5	75.5	56.7	41.3	28.0	16.4	9.0
-25°	106.9	75.9	57.1	41.7	28.4	16.6	9.0
-27.5°	104.7	76.2	57.4	42.1	28.6	16.8	9.0
-30°	101.9	76.4	57.6	42.4	28.8	16.9	9.0
-32.5°	98.3	76.3	57.9	42.6	29.0	17.1	9.0
-35°	96.8	76.0	58.1	42.7	29.1	17.2	9.0
-37.5°	96.2	75.7	58.1	42.7	29.1	17.3	9.0
-40°	95.4	75.5	58.0	42.7	29.1	17.4	9.0
-42.5°	94.4	75.2	57.9	42.6	29.1	17.4	9.0
-45°	93.1	74.7	57.7	42.5	28.9	17.4	9.0
-47.5°	91.5	74.1	57.5	42.3	28.7	17.4	9.0
-50°	90.2	73.3	57.0	42.0	28.5	17.4	9.0
-52.5°	88.9	72.3	56.5	41.7	28.2	17.4	9.0
-55°	87.2	71.2	55.8	41.2	27.9	17.3	9.0
-57.5°	85.4	69.9	54.9	40.7	27.4	17.2	9.0
-60°	83.3	68.5	53.9	40.0	27.0	17.1	9.0
-62.5°	81.3	66.9	52.9	39.3	26.7	17.0	9.0
-65°	79.2	65.2	51.8	38.5	26.3	16.9	9.0
-67.5°	76.8	63.4	50.5	37.6	25.8	16.7	9.0
-70°	74.3	61.4	49.2	36.7	25.3	16.5	9.0
-72.5°	71.5	59.3	47.7	35.8	24.8	16.3	9.0
-75°	68.4	57.0	46.2	35.0	24.2	16.1	9.0
-77.5°	65.2	54.6	44.8	34.0	23.6	15.9	9.0
-80°	61.8	52.5	43.4	33.0	22.9	15.6	9.0
-82.5°	59.2	50.5	41.9	32.0	22.2	15.4	9.0
-85°	56.5	48.4	40.3	30.9	21.5	15.1	9.0
-87.5°	53.8	46.2	38.7	29.7	20.8	14.8	9.0
-90°	4.0	4.0	4.0	4.5	5.0	7.0	9.0

(END OF REPORT)