

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: P1305700 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-57-70-3S-VHE-A**

Issue Date: 2/3/2026

Test Information

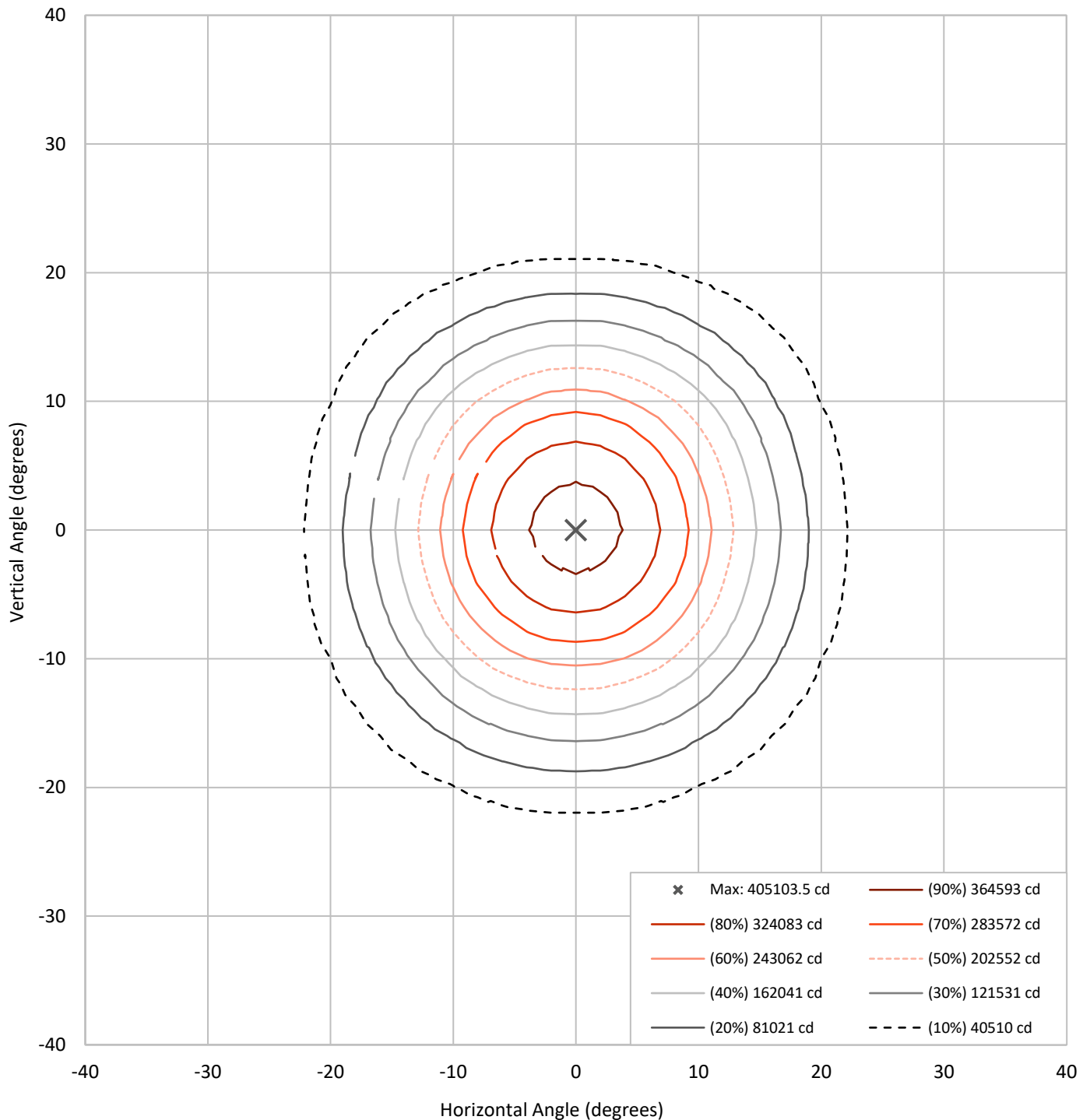
Test Method: LM-79-08
Report Number: P1305700 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-3)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-640L-57-70-3S-VHE-A
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 3S 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:	91014.7 lumens	Max Intensity:	405103.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	140.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	25.7°H x 24.9°V	Field Angle (10%):	44.2°H x 43°V
Beam Lumens:	43546.7 lumens	Field Lumens:	76304.6 lumens
Beam Efficiency:	47.8%	Field Efficiency:	83.8%
Input Watts (W):	648		
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





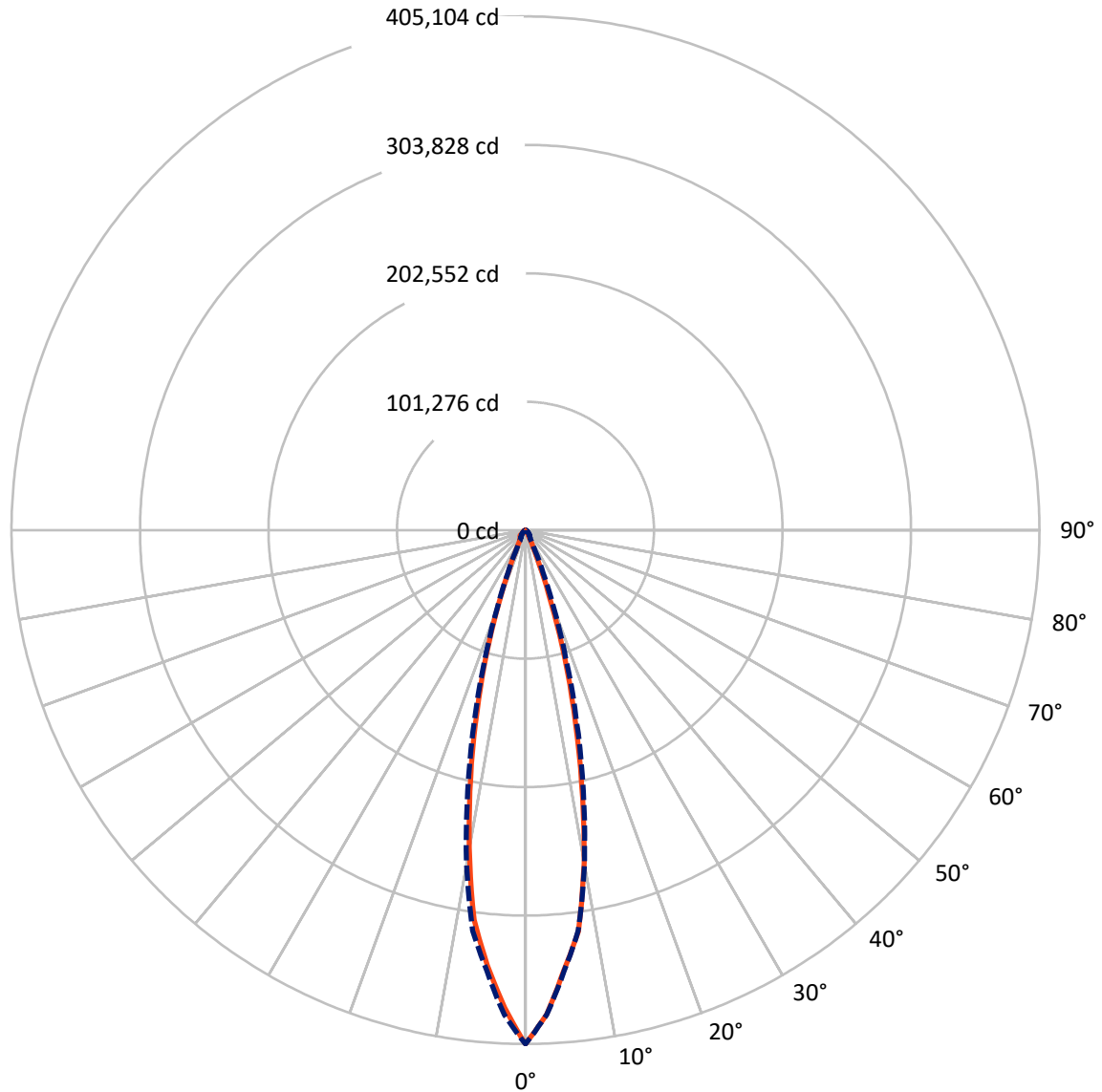
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Lumen Table

90	0.2	0.7	1.4	2.1	2.6	2.1	1.4	0.7	0.2										
80	0.2	0.7	1.4	2.1	2.6	2.1	1.4	0.7	0.2										
70	0.3	0.1	0.2	0.7	0.8	0.7	0.5	0.5	0.5	0.5	0.7	0.8	0.7	0.2	0.1	0.3			
60		0.4	0.9	1.1	1.0	1.0	1.3	1.6	1.6	1.3	1.0	1.0	1.1	0.9	0.4				
50	0.9	1.3	3.1	6.4	11.8	20.1	28.6	32.4	32.4	28.6	20.1	11.8	6.4	3.1	1.3	0.9			
40		3.1	9.7	19.9	37.5	62.2	75.2	88.2	88.2	75.2	62.2	37.5	19.9	9.7	3.1				
30	2.1	5.3	16.2	35.6	79.8	102.7	221.7	484.9	484.9	221.7	102.7	79.8	35.6	16.2	5.3	2.1			
20		7.0	21.4	57.9	114.5	276.9	1668.2	4032.9	4032.9	1668.2	276.9	114.5	57.9	21.4	7.0				
10	3.1	8.4	24.7	73.8	138.7	614.7	4051.7	9228.5	9228.5	4051.7	614.7	138.7	73.8	24.7	8.4	3.1			
0		9.3	27.2	78.1	153.7	633.6	4076.2	9132.7	9132.7	4076.2	633.6	153.7	78.1	27.2	9.3				
-10	3.3	9.4	28.1	75.4	153.1	339.6	1739.4	4070.6	4070.6	1739.4	339.6	153.1	75.4	28.1	9.4	3.3			
-20		8.7	26.8	59.7	137.8	208.1	360.6	685.7	685.7	360.6	208.1	137.8	59.7	26.8	8.7				
-30	2.8	7.4	22.9	47.7	95.2	166.5	205.4	228.0	228.0	205.4	166.5	95.2	47.7	22.9	7.4	2.8			
-40		5.7	17.5	37.0	60.3	88.9	130.4	162.5	162.5	130.4	88.9	60.3	37.0	17.5	5.7				
-50	2.3	3.8	11.4	24.2	40.6	55.2	67.1	74.4	74.4	67.1	55.2	40.6	24.2	11.4	3.8	2.3			
-60		2.7	6.0	12.5	21.1	29.1	36.7	41.4	41.4	36.7	29.1	21.1	12.5	6.0	2.7				
-70																			
-80	1.7	10.0	23.1	37.6	46.1	37.6	23.1	10.0	1.7										
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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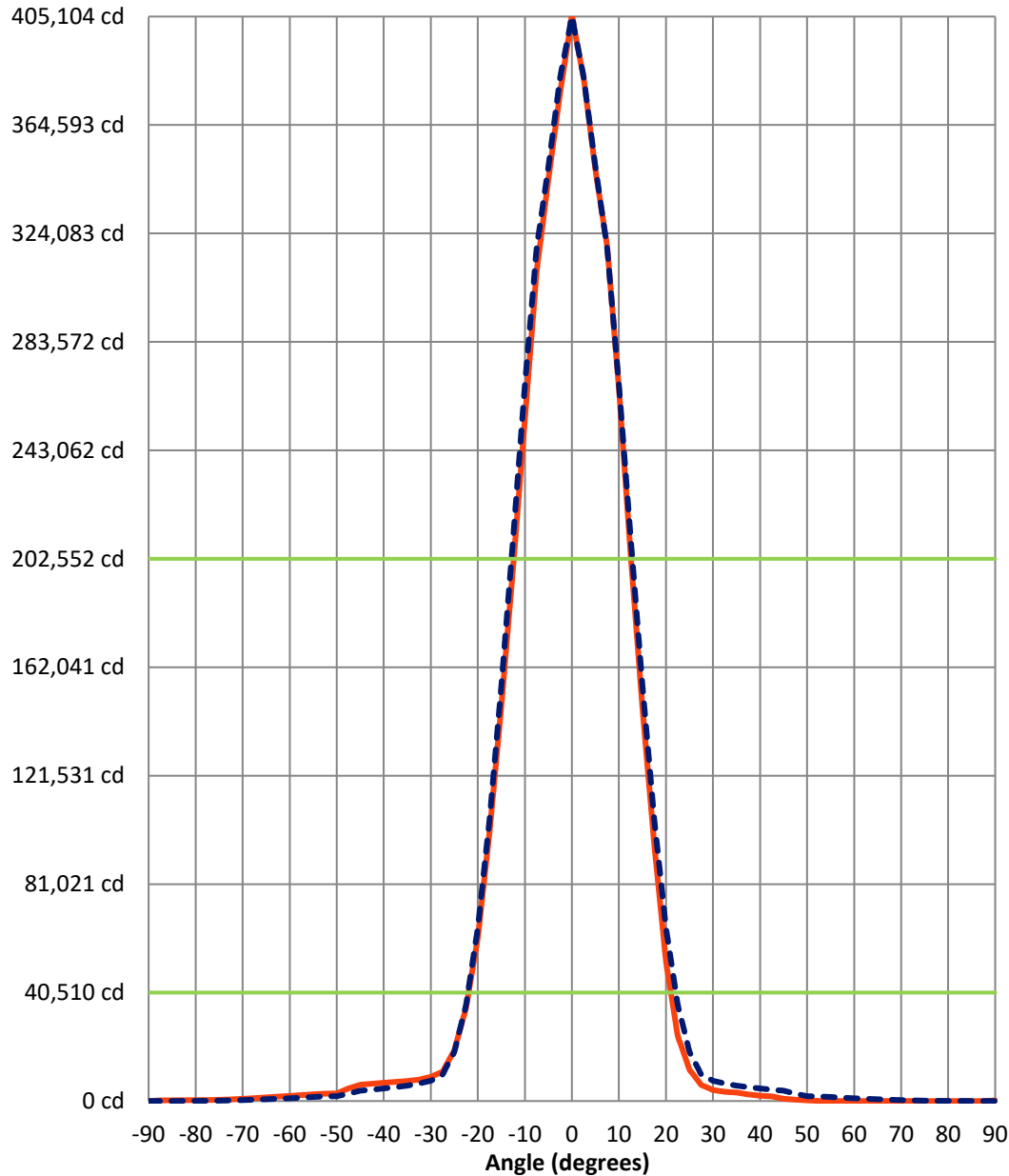
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 25.7°
V Angle: 24.9°
Lumens: 43546.7
Efficiency: 47.8%

Field:
H Angle: 44.2°
V Angle: 43°
Lumens: 76304.6
Efficiency: 83.8%

Spill:
Lumens: 14710.1
Efficiency: 16.2%

— 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°	3.3	13.6	23.9	38.5	53.1	65.6	78.1	87.3	96.5	104.1	111.7
87.5°	3.3	3.6	3.5	3.6	3.7	3.6	3.6	3.2	2.9	2.8	2.7
85°	3.3	3.8	3.7	3.8	4.0	4.0	3.8	3.7	3.6	3.4	3.1
82.5°	3.3	4.1	3.9	4.1	4.4	4.3	4.1	4.1	4.3	4.0	3.6
80°	3.3	4.3	4.1	4.4	4.8	4.7	4.4	4.6	4.7	4.4	4.1
77.5°	3.3	4.6	4.3	4.7	5.1	5.1	5.0	5.2	5.1	4.9	4.5
75°	3.3	4.9	4.5	4.9	5.5	5.7	5.6	5.7	5.6	5.5	5.1
72.5°	3.3	5.1	4.8	5.2	6.1	6.4	6.3	6.4	6.5	6.3	5.7
70°	3.3	5.4	5.0	5.5	6.7	7.0	7.0	7.5	7.5	7.1	7.2
67.5°	3.3	5.7	5.3	6.2	7.4	7.7	8.4	8.7	8.6	9.0	9.0
65°	3.3	5.9	5.7	6.8	8.1	8.8	9.8	9.9	10.8	11.1	11.0
62.5°	3.3	6.2	6.0	7.5	8.8	10.2	11.2	12.0	13.3	13.3	13.3
60°	3.3	6.5	6.4	8.2	9.5	11.7	12.8	14.5	15.8	16.2	15.9
57.5°	3.3	6.8	7.1	8.8	11.0	13.3	15.2	17.2	19.2	19.5	21.5
55°	3.3	7.1	7.9	9.5	12.5	14.9	17.7	20.0	23.2	24.4	29.1
52.5°	3.3	7.4	8.7	10.2	14.0	16.6	20.3	24.0	27.4	33.6	37.3
50°	3.3	7.7	9.5	11.0	15.6	19.1	23.0	28.3	33.5	43.7	52.5
47.5°	3.3	8.0	10.3	11.8	17.2	21.6	25.8	32.8	43.6	54.6	70.8
45°	3.3	8.3	11.1	13.1	18.9	24.2	29.8	37.4	54.3	73.2	91.0
42.5°	3.3	8.6	11.9	14.3	20.6	26.9	34.0	45.1	65.4	93.3	121.9
40°	3.3	8.9	12.8	15.9	22.5	29.7	38.4	55.1	79.4	114.7	156.8
37.5°	3.3	9.2	13.7	17.7	24.7	32.5	43.3	65.4	99.1	140.2	194.2
35°	3.3	9.5	14.5	19.6	26.9	36.1	48.4	75.8	119.5	173.1	236.0
32.5°	3.3	9.8	15.4	21.4	29.1	40.1	54.7	86.7	140.7	206.2	277.5
30°	3.3	10.1	16.3	23.2	31.3	44.1	63.7	99.3	162.5	239.3	316.2
27.5°	3.3	10.3	17.2	25.0	34.1	48.1	72.6	115.9	184.6	272.4	352.3
25°	3.3	10.6	18.1	26.8	36.9	52.1	81.3	131.5	207.0	303.3	385.9
22.5°	3.3	10.9	19.0	28.5	39.7	56.1	89.8	146.2	227.5	324.4	422.5
20°	3.3	11.2	19.9	30.3	42.4	60.2	98.1	159.9	246.0	343.9	452.0
17.5°	3.3	11.5	20.7	32.0	45.0	64.1	105.7	172.6	262.6	361.8	479.7
15°	3.3	11.7	21.6	33.6	47.6	67.8	112.8	184.0	277.3	378.1	506.0
12.5°	3.3	12.0	22.4	35.2	50.0	71.4	119.3	194.1	292.2	392.7	530.5
10°	3.3	12.2	23.2	36.8	52.4	74.7	125.3	203.3	307.5	414.4	557.3
7.5°	3.3	12.4	23.9	38.3	54.7	77.8	130.7	211.3	321.6	436.3	590.7
5°	3.3	12.6	24.7	39.7	56.8	80.7	135.5	218.3	334.3	456.9	621.7
2.5°	3.3	12.8	25.4	41.0	58.8	83.3	139.7	224.1	345.4	475.7	649.8
0°	3.3	13.0	26.0	42.3	60.7	85.7	143.2	228.8	354.6	492.4	674.6
-2.5°	3.3	13.5	27.2	44.2	63.4	89.3	147.8	236.6	365.0	503.7	686.1
-5°	3.3	14.1	28.3	46.0	66.0	92.6	151.7	243.1	373.4	512.6	694.0
-7.5°	3.3	14.5	29.3	47.6	68.4	95.7	154.9	248.1	379.5	518.9	698.2
-10°	3.3	15.0	30.3	49.2	70.6	98.5	157.3	251.6	383.3	522.8	698.7
-12.5°	3.3	15.5	31.2	50.6	72.6	101.0	159.0	253.5	384.7	523.9	697.1
-15°	3.3	15.9	32.1	52.0	74.5	103.2	159.9	253.6	382.4	520.6	691.8
-17.5°	3.3	16.3	32.9	53.2	76.1	105.1	160.0	251.4	376.2	514.5	681.6
-20°	3.3	16.6	33.6	54.2	77.6	106.6	159.4	247.1	367.8	505.4	666.3



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 CATALOG NUMBER: EPH-08-640L-57-70-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.3	17.0	34.3	55.2	78.8	107.8	158.1	241.3	357.1	493.3	646.3
-25°	3.3	17.3	34.9	56.0	79.9	109.0	156.1	234.0	344.3	478.3	625.3
-27.5°	3.3	17.6	35.4	56.6	80.7	109.8	153.2	225.2	329.2	464.6	610.3
-30°	3.3	17.8	35.8	57.1	81.3	110.4	149.4	214.9	317.0	449.6	592.2
-32.5°	3.3	18.0	36.2	57.5	82.1	110.7	144.9	208.2	306.6	432.1	570.5
-35°	3.3	18.2	36.4	57.7	82.7	110.6	143.2	202.4	293.4	412.1	545.4
-37.5°	3.3	18.3	36.6	57.8	83.1	110.5	142.8	196.0	277.5	389.8	518.8
-40°	3.3	18.4	36.7	57.7	83.3	110.7	141.9	188.1	258.8	367.9	488.8
-42.5°	3.3	18.5	36.7	57.5	83.3	110.7	140.7	178.9	244.9	341.8	454.1
-45°	3.3	18.5	36.7	57.5	83.2	110.3	138.9	172.0	232.8	312.8	415.9
-47.5°	3.3	18.5	36.5	57.2	82.9	109.7	136.7	169.2	218.9	281.6	380.4
-50°	3.3	18.5	36.3	57.1	82.3	108.9	135.1	165.9	202.6	262.9	342.0
-52.5°	3.3	18.4	36.0	56.8	81.5	107.8	133.4	161.9	193.6	242.9	302.4
-55°	3.3	18.3	35.6	56.5	80.5	106.2	131.3	157.5	187.7	221.4	277.2
-57.5°	3.3	18.2	35.2	56.0	79.2	104.3	128.9	154.5	181.2	210.7	250.7
-60°	3.3	18.0	34.7	55.3	77.8	102.1	126.1	150.8	174.7	202.7	228.8
-62.5°	3.3	17.8	34.1	54.5	76.6	99.8	123.1	146.5	169.5	193.9	217.9
-65°	3.3	17.6	33.5	53.6	75.2	97.1	119.9	142.0	163.8	185.9	206.3
-67.5°	3.3	17.3	32.9	52.5	73.6	94.5	116.3	137.3	157.7	178.1	196.6
-70°	3.3	17.0	32.1	51.3	71.9	91.8	112.5	132.4	151.7	170.0	187.6
-72.5°	3.3	16.7	31.3	50.0	69.9	88.9	108.5	127.1	145.4	162.0	178.3
-75°	3.3	16.3	30.4	48.7	67.8	85.7	104.3	121.4	138.7	153.7	168.5
-77.5°	3.3	15.9	29.5	47.3	65.7	82.3	99.7	115.5	131.4	145.0	158.3
-80°	3.3	15.5	28.5	45.7	63.5	79.1	94.9	109.2	123.8	136.0	148.0
-82.5°	3.3	15.1	27.4	44.1	61.1	75.9	90.9	103.3	115.9	126.8	137.5
-85°	3.3	14.6	26.3	42.3	58.5	72.6	86.8	98.1	109.5	118.8	127.9
-87.5°	3.3	14.1	25.1	40.4	55.9	69.2	82.5	92.8	103.1	111.5	119.9
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.8	2.2	2.2	2.2



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 CATALOG NUMBER: EPH-08-640L-57-70-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	117.7	123.6	129.1	134.5	139.4	144.2	150.8	157.3	162.2	167.0	171.9
87.5°	2.7	2.7	2.8	2.8	2.5	2.2	2.2	2.2	2.1	1.9	2.0
85°	3.2	3.3	3.3	3.3	2.9	2.5	2.6	2.7	2.7	2.8	2.5
82.5°	3.7	3.8	3.6	3.3	3.2	3.2	3.3	3.3	3.3	3.3	3.0
80°	4.1	4.3	3.9	3.6	3.7	3.9	3.7	3.4	3.3	3.4	3.5
77.5°	4.5	4.4	4.2	4.2	4.3	4.5	4.5	4.5	4.4	4.2	4.3
75°	4.8	4.5	4.6	4.5	4.5	5.0	5.4	5.4	5.2	5.0	5.1
72.5°	5.7	5.7	5.5	4.8	4.9	5.4	5.4	5.4	6.7	9.0	10.8
70°	7.1	7.0	6.6	6.2	6.0	6.4	8.2	11.2	14.6	17.6	20.6
67.5°	8.6	8.4	7.9	7.9	9.0	10.8	13.1	20.8	28.7	31.5	32.0
65°	10.2	9.9	10.0	11.3	12.8	18.2	25.2	34.4	42.1	41.6	38.4
62.5°	12.0	13.5	13.5	16.2	21.5	28.1	36.2	44.1	51.0	47.6	39.7
60°	17.1	18.2	20.6	25.6	31.1	37.6	46.1	48.6	50.3	49.1	38.6
57.5°	23.7	26.4	31.6	36.2	42.8	45.7	46.4	45.9	48.9	46.9	36.2
55°	33.1	37.9	44.8	49.6	53.4	47.7	47.1	50.1	49.8	45.5	35.2
52.5°	47.3	52.3	62.0	65.5	62.4	57.9	56.4	59.2	57.0	51.2	44.4
50°	62.7	74.9	81.3	84.1	78.5	77.9	72.3	75.8	78.9	76.1	85.7
47.5°	86.2	100.9	105.6	110.6	107.9	117.9	112.8	131.4	132.8	187.4	203.7
45°	114.5	134.3	139.7	152.8	167.2	184.5	214.5	222.4	312.1	366.8	431.4
42.5°	148.6	173.4	195.9	203.3	267.7	302.7	347.6	431.1	514.6	583.2	631.3
40°	192.5	217.8	265.1	321.6	390.2	449.6	535.5	632.0	711.6	764.3	789.1
37.5°	240.9	290.3	352.3	443.7	527.1	602.6	712.3	809.0	879.5	928.3	934.5
35°	292.8	363.1	464.6	557.2	643.2	745.6	854.5	965.6	1023.4	1044.5	1134.1
32.5°	353.3	433.9	554.1	654.7	751.6	867.6	983.4	1079.4	1130.5	1189.8	1493.2
30°	410.6	508.2	627.9	734.8	854.8	987.0	1097.7	1188.2	1223.5	1535.1	2025.8
27.5°	456.3	572.7	692.9	821.8	959.6	1110.7	1222.4	1281.1	1483.2	1944.4	2653.7
25°	498.9	624.2	758.5	919.5	1076.2	1226.0	1339.6	1377.2	1797.5	2579.5	3108.2
22.5°	540.6	674.4	830.9	1022.8	1183.4	1323.2	1418.2	1645.7	2248.1	3238.4	3512.9
20°	582.3	733.8	909.5	1101.0	1278.1	1408.6	1481.5	1929.0	2795.2	3491.6	3800.5
17.5°	622.5	793.6	981.7	1166.7	1345.3	1477.5	1571.9	2167.9	3228.6	3718.9	4022.9
15°	661.6	844.7	1037.3	1228.5	1410.6	1537.9	1793.9	2518.4	3497.9	3993.7	4314.8
12.5°	699.2	888.3	1078.4	1282.0	1473.7	1596.6	2024.2	2943.2	3778.7	4264.5	4611.5
10°	734.5	925.0	1114.1	1330.8	1532.5	1647.7	2240.4	3340.1	4035.8	4457.2	4771.8
7.5°	770.2	958.1	1146.4	1375.0	1587.8	1694.2	2423.2	3557.2	4136.7	4584.5	4884.9
5°	801.7	988.7	1184.6	1429.4	1641.5	1737.0	2577.6	3703.4	4168.7	4648.1	4966.2
2.5°	828.7	1014.1	1218.0	1480.2	1689.8	1775.8	2682.7	3814.8	4207.3	4693.4	5067.3
0°	851.3	1034.6	1246.1	1523.7	1730.8	1811.1	2752.4	3874.9	4231.7	4713.2	5179.5
-2.5°	867.9	1061.9	1290.9	1560.6	1764.5	1847.9	2774.4	3900.6	4267.2	4822.6	5431.3
-5°	880.1	1083.8	1328.5	1590.0	1791.9	1881.8	2758.7	3876.6	4309.6	4923.6	5591.3
-7.5°	887.8	1099.6	1357.3	1611.9	1814.8	1919.9	2711.7	3849.0	4442.5	5050.4	5671.9
-10°	891.4	1107.8	1361.8	1620.2	1833.1	1958.2	2631.3	3755.6	4538.5	5098.8	5678.5
-12.5°	894.5	1109.4	1356.4	1618.7	1844.4	1993.2	2530.1	3643.4	4627.0	5117.0	5637.4
-15°	891.7	1106.0	1344.4	1608.6	1859.0	2037.4	2400.8	3435.2	4666.5	5097.8	5560.2
-17.5°	882.8	1097.6	1327.9	1595.7	1868.3	2078.5	2231.3	3114.5	4454.3	5039.0	5501.4
-20°	867.4	1082.2	1304.3	1570.8	1863.3	2096.4	2227.0	2879.8	4009.9	4923.5	5414.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	847.1	1060.4	1276.1	1537.8	1833.9	2089.1	2258.0	2621.1	3506.2	4754.1	5282.2
-25°	823.3	1032.8	1247.1	1502.2	1792.9	2075.1	2275.1	2382.8	3089.9	4180.0	5073.0
-27.5°	795.9	999.9	1214.1	1454.8	1739.5	2033.3	2247.3	2389.5	2751.4	3523.6	4755.1
-30°	763.5	962.0	1171.4	1399.7	1674.0	1954.5	2199.9	2380.8	2486.5	3075.6	4065.7
-32.5°	726.8	918.2	1122.8	1347.0	1600.2	1869.7	2129.1	2324.8	2469.8	2662.6	3416.8
-35°	691.8	873.6	1068.8	1287.5	1521.0	1774.1	2017.5	2248.5	2430.3	2554.5	2861.1
-37.5°	660.9	824.8	1012.4	1223.0	1447.8	1664.4	1897.0	2135.0	2343.4	2515.2	2623.7
-40°	625.5	772.3	954.2	1153.3	1353.5	1553.5	1770.7	1998.1	2227.6	2416.3	2581.7
-42.5°	585.8	728.1	891.0	1072.1	1256.1	1445.1	1638.4	1853.7	2070.1	2285.2	2459.7
-45°	541.9	678.7	823.4	986.3	1153.2	1331.4	1514.7	1700.8	1905.4	2108.4	2299.3
-47.5°	492.4	623.8	761.8	894.9	1049.8	1213.4	1384.4	1559.9	1735.1	1921.6	2105.9
-50°	440.8	562.8	690.1	811.9	944.4	1093.3	1250.4	1413.7	1579.0	1735.4	1897.6
-52.5°	393.0	496.3	612.8	729.5	845.9	972.5	1114.4	1262.0	1414.9	1567.2	1704.4
-55°	341.4	434.2	531.1	641.2	752.4	862.0	977.2	1110.7	1240.6	1380.6	1515.4
-57.5°	302.8	371.0	455.9	547.6	651.6	757.5	859.6	960.2	1073.3	1190.4	1309.4
-60°	272.0	319.9	384.8	462.8	544.8	642.6	742.9	835.7	921.2	1008.4	1116.1
-62.5°	243.5	282.8	327.9	382.3	453.6	526.2	612.5	701.0	784.1	863.9	944.0
-65°	229.7	250.3	284.4	324.9	365.7	427.6	493.7	561.5	637.7	710.9	785.4
-67.5°	215.1	234.7	253.5	275.7	312.4	348.5	384.2	443.9	503.5	557.3	611.5
-70°	203.9	219.2	236.2	252.8	269.3	290.6	323.1	356.4	388.7	424.4	469.9
-72.5°	192.9	206.6	220.3	233.7	248.7	263.9	279.5	295.8	319.5	347.1	371.9
-75°	181.6	193.6	205.6	217.6	230.0	242.7	255.8	270.2	285.0	299.7	313.0
-77.5°	170.2	181.4	191.7	201.7	212.4	223.7	235.4	247.2	259.2	271.5	281.8
-80°	158.5	169.1	178.1	186.9	196.0	205.4	215.4	225.5	235.7	246.0	255.0
-82.5°	146.6	155.6	163.7	171.6	179.4	187.2	195.9	204.7	213.5	222.3	229.9
-85°	135.0	141.9	148.8	155.7	162.6	169.4	177.2	184.9	192.3	199.7	206.2
-87.5°	126.4	132.8	138.6	144.4	149.9	155.3	162.0	168.7	174.5	180.3	185.6
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.7	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	176.8	180.1	183.3	186.0	188.7	192.5	196.3	201.7	207.1	213.7	220.2
87.5°	2.0	2.0	2.1	1.6	1.1	1.1	1.1	1.1	1.1	1.6	2.2
85°	2.2	2.2	2.2	2.5	2.9	3.0	3.0	3.1	3.1	3.2	3.3
82.5°	2.7	2.8	2.9	3.1	3.3	3.3	3.3	3.3	3.3	3.7	4.2
80°	3.6	3.7	3.8	3.8	3.9	3.7	3.3	3.3	3.3	3.8	4.3
77.5°	4.4	4.4	4.3	4.1	3.8	3.5	3.3	3.3	3.3	3.4	3.4
75°	5.3	5.4	5.7	6.1	6.6	6.7	6.3	6.4	6.7	6.6	6.3
72.5°	11.9	12.3	12.2	13.6	15.0	15.5	15.9	17.0	18.2	19.9	21.8
70°	23.3	25.7	26.7	26.7	25.7	25.0	24.5	24.3	24.8	25.9	27.4
67.5°	33.6	34.6	34.2	33.7	31.7	29.3	26.5	25.1	25.7	26.9	28.6
65°	38.0	35.0	32.9	32.1	30.2	27.2	23.0	20.2	19.6	19.2	19.0
62.5°	34.1	28.8	26.2	24.8	22.2	19.6	15.8	12.9	11.8	11.1	10.9
60°	29.8	23.1	19.0	17.1	14.3	11.0	9.1	7.0	6.3	5.8	6.0
57.5°	25.9	19.1	14.4	13.5	10.9	8.6	6.9	5.1	4.6	4.3	4.5
55°	26.6	23.3	19.4	17.4	14.5	13.2	11.6	10.5	9.6	9.8	10.4
52.5°	37.6	40.5	35.6	34.3	42.7	42.8	35.4	46.9	53.9	59.2	60.7
50°	97.1	96.5	128.2	122.8	152.1	176.1	177.0	191.6	219.3	238.3	248.5
47.5°	257.9	286.9	323.8	362.6	393.0	430.9	469.2	497.9	504.9	505.6	510.6
45°	485.5	526.8	582.4	623.2	680.6	716.0	745.4	772.0	833.5	890.1	956.0
42.5°	678.0	723.1	780.7	863.6	924.1	1085.5	1332.6	1393.3	1402.0	1452.3	1525.4
40°	829.9	889.1	1017.2	1198.7	1585.6	1932.7	1995.2	2047.4	2070.3	2042.4	2092.1
37.5°	1013.8	1152.6	1440.9	1937.4	2120.9	2215.4	2281.8	2321.8	2370.2	2415.0	2439.4
35°	1319.2	1706.0	1958.6	2223.8	2343.8	2391.7	2440.5	2489.7	2527.8	2577.4	2617.0
32.5°	1946.1	2376.7	2402.0	2467.5	2530.1	2592.4	2637.9	2684.7	2725.4	2789.7	2924.5
30°	2577.6	2671.5	2694.4	2700.3	2757.3	2831.9	2871.5	2966.1	3093.7	3240.2	3551.8
27.5°	2913.7	2978.3	2991.7	2998.2	3024.7	3113.0	3276.6	3405.7	3712.2	4084.1	4884.8
25°	3323.0	3369.0	3417.7	3415.6	3456.0	3612.3	3932.3	4204.8	5240.0	6208.7	8295.6
22.5°	3713.6	3852.5	3921.7	4014.4	4151.5	4436.1	4997.4	6574.2	9210.7	12575.1	16763.7
20°	3984.9	4171.9	4358.1	4617.0	4948.2	5538.7	7292.4	12010.9	17645.9	25822.5	32680.5
17.5°	4258.7	4469.9	4799.3	5198.6	5754.9	7737.6	12879.0	20890.9	32462.8	46978.9	59715.2
15°	4615.8	4866.3	5307.4	5877.4	7431.9	11664.3	20240.9	34819.3	52410.8	72816.3	94221.5
12.5°	4858.8	5204.0	5728.5	6464.7	9016.2	16943.1	30752.3	50737.5	74949.5	100660.9	134781.2
10°	5038.5	5451.4	6163.6	7690.0	12316.5	22769.7	39363.9	64305.3	97499.1	136685.3	175694.9
7.5°	5189.3	5745.4	6639.5	8562.9	15164.0	28342.9	49495.5	79810.6	119084.4	166301.9	211666.7
5°	5324.9	6062.1	7097.5	9503.8	17715.3	32378.1	56233.1	91390.1	136869.7	188438.9	238524.9
2.5°	5504.1	6358.6	7394.7	9762.8	18736.6	34613.9	61571.9	100740.4	149568.2	203815.5	258309.2
0°	5753.2	6551.4	7576.2	9928.5	18419.0	36014.8	64843.8	105433.0	155133.0	210273.8	267428.6
-2.5°	5949.0	6662.5	7682.1	9795.0	18263.7	35355.9	63367.2	102697.6	149684.8	202966.9	259979.5
-5°	6075.5	6742.2	7728.5	9844.8	17871.8	32837.9	59005.8	95530.6	138590.3	186687.5	239407.1
-7.5°	6149.6	6771.3	7680.3	9531.0	16091.7	29407.3	51242.5	82320.2	120948.2	165454.8	209023.9
-10°	6193.9	6752.4	7579.7	9086.9	13535.4	23898.7	40454.8	66793.9	100262.9	136125.8	171763.8
-12.5°	6210.6	6712.6	7437.9	8450.9	10852.2	18709.8	32203.5	50896.5	75740.8	105159.2	136562.2
-15°	6178.0	6654.6	7300.9	8177.9	9775.5	14025.8	22471.1	35184.4	53702.6	76163.5	98919.7
-17.5°	6056.7	6594.8	7097.9	7771.3	8711.6	10716.0	15856.1	24016.3	35309.1	50155.5	63284.5
-20°	5895.9	6481.9	6912.7	7507.8	8246.2	9163.5	10811.9	15792.1	22124.3	30719.5	39288.4



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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°	5752.8	6288.9	6830.5	7239.0	7817.3	8420.3	9164.6	10589.3	13771.2	18062.3	23494.4
-25°	5620.7	6111.5	6667.3	7109.0	7435.3	7861.5	8327.8	8826.9	9907.8	10921.1	13541.7
-27.5°	5434.8	5943.2	6425.2	6896.7	7211.1	7404.5	7722.3	8032.5	8485.1	8887.6	9657.3
-30°	5218.5	5715.9	6174.5	6602.9	6925.0	7128.5	7286.1	7499.3	7738.9	7982.6	8313.3
-32.5°	4447.7	5448.9	5875.8	6262.6	6594.8	6834.0	7000.9	7141.0	7279.2	7435.2	7609.5
-35°	3603.3	4592.2	5555.6	5857.2	6171.1	6487.9	6735.2	6867.4	6987.8	7097.0	7203.7
-37.5°	2929.7	3627.3	4492.1	5313.9	5695.4	6015.2	6312.5	6543.5	6712.2	6814.6	6910.5
-40°	2666.0	2842.7	3507.8	4184.6	4835.4	5426.3	5728.7	6070.1	6347.5	6497.9	6602.3
-42.5°	2603.0	2684.1	2746.2	3175.0	3692.7	4191.0	4742.3	5289.6	5719.1	6005.4	6218.3
-45°	2464.9	2581.7	2674.3	2712.5	2735.9	3099.2	3526.2	3944.2	4426.4	4924.6	5376.9
-47.5°	2269.3	2421.1	2525.7	2607.6	2656.6	2671.9	2702.0	2795.7	3145.9	3514.2	3864.7
-50°	2051.1	2190.3	2315.6	2429.5	2497.3	2552.3	2604.8	2655.2	2697.9	2751.8	2800.4
-52.5°	1831.3	1958.9	2071.6	2171.6	2261.4	2348.1	2431.5	2493.8	2554.6	2619.9	2673.1
-55°	1635.6	1739.1	1833.4	1921.3	2002.3	2075.5	2150.9	2231.4	2314.7	2396.1	2459.4
-57.5°	1426.4	1525.3	1614.7	1689.1	1754.4	1809.0	1878.2	1953.6	2032.0	2104.6	2159.7
-60°	1215.4	1302.8	1384.7	1456.7	1518.6	1569.5	1633.4	1697.3	1767.1	1829.3	1878.3
-62.5°	1014.9	1088.6	1158.2	1221.2	1277.5	1329.1	1385.8	1442.8	1508.5	1566.3	1613.2
-65°	848.4	905.5	953.1	997.8	1032.6	1077.3	1132.1	1184.7	1241.9	1292.0	1333.8
-67.5°	668.0	720.7	764.3	803.3	833.9	865.8	906.5	948.4	992.7	1032.5	1067.6
-70°	510.4	545.9	574.2	603.3	634.7	665.1	697.6	733.5	770.7	803.5	832.3
-72.5°	393.7	411.3	427.8	451.5	472.5	493.7	514.3	540.0	567.6	592.5	615.1
-75°	325.3	336.1	348.7	360.0	369.7	381.1	392.5	409.1	427.2	444.4	460.5
-77.5°	291.9	299.7	306.0	311.2	315.8	322.7	330.0	342.4	355.8	370.3	384.7
-80°	263.5	269.5	274.8	279.4	283.6	289.3	295.1	306.0	317.4	329.7	341.9
-82.5°	237.3	242.0	246.3	250.5	254.5	259.3	264.1	273.7	283.5	293.7	303.8
-85°	212.6	216.6	220.3	223.8	227.1	231.3	235.4	243.5	251.8	260.4	269.0
-87.5°	190.9	194.6	198.3	201.4	204.4	208.0	211.6	218.8	226.0	233.2	240.5
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



REPORT NUMBER: P1305700 (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°	220.7	221.2	221.8	222.3	221.8	221.2	220.7	220.2	213.7	207.1	201.7
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.6	1.1	1.1
85°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.1
82.5°	3.8	3.3	3.8	4.3	3.8	3.3	3.8	4.2	3.7	3.3	3.3
80°	3.8	3.3	3.8	4.3	3.8	3.3	3.8	4.3	3.8	3.3	3.3
77.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.3	3.3
75°	5.4	4.4	3.8	3.3	3.8	4.4	5.4	6.3	6.6	6.7	6.4
72.5°	22.3	22.3	22.7	22.8	22.7	22.3	22.3	21.8	19.9	18.2	17.0
70°	28.3	29.0	29.2	29.3	29.2	29.0	28.3	27.4	25.9	24.8	24.3
67.5°	28.9	28.3	27.7	27.1	27.7	28.3	28.9	28.6	26.9	25.7	25.1
65°	18.1	16.9	15.0	13.0	15.0	16.9	18.1	19.0	19.2	19.6	20.2
62.5°	10.5	10.1	9.9	9.8	9.9	10.1	10.5	10.9	11.1	11.8	12.9
60°	6.2	6.5	6.5	6.5	6.5	6.5	6.2	6.0	5.8	6.3	7.0
57.5°	4.7	5.3	5.9	6.5	5.9	5.3	4.7	4.5	4.3	4.6	5.1
55°	11.1	12.3	12.9	13.0	12.9	12.3	11.1	10.4	9.8	9.6	10.5
52.5°	58.6	55.6	53.0	51.0	53.0	55.6	58.6	60.7	59.2	53.9	46.9
50°	253.1	259.7	262.8	262.4	262.8	259.7	253.1	248.5	238.3	219.3	191.6
47.5°	521.3	525.1	522.1	514.0	522.1	525.1	521.3	510.6	505.6	504.9	497.9
45°	1036.6	991.7	912.0	841.6	912.0	991.7	1036.6	956.0	890.1	833.5	772.0
42.5°	1622.7	1676.4	1716.7	1735.2	1716.7	1676.4	1622.7	1525.4	1452.3	1402.0	1393.3
40°	2036.2	1978.9	1967.2	1975.9	1967.2	1978.9	2036.2	2092.1	2042.4	2070.3	2047.4
37.5°	2445.6	2497.7	2536.4	2473.7	2536.4	2497.7	2445.6	2439.4	2415.0	2370.2	2321.8
35°	2709.3	2894.9	3112.6	3178.6	3112.6	2894.9	2709.3	2617.0	2577.4	2527.8	2489.7
32.5°	3150.3	3346.2	3431.1	3451.9	3431.1	3346.2	3150.3	2924.5	2789.7	2725.4	2684.7
30°	3852.0	4047.7	4082.8	4111.3	4082.8	4047.7	3852.0	3551.8	3240.2	3093.7	2966.1
27.5°	5416.1	5853.9	5957.8	6030.8	5957.8	5853.9	5416.1	4884.8	4084.1	3712.2	3405.7
25°	9943.2	11082.0	11825.8	11753.7	11825.8	11082.0	9943.2	8295.6	6208.7	5240.0	4204.8
22.5°	20960.4	23195.7	24388.6	24367.4	24388.6	23195.7	20960.4	16763.7	12575.1	9210.7	6574.2
20°	42451.0	49065.4	52645.5	52237.7	52645.5	49065.4	42451.0	32680.5	25822.5	17645.9	12010.9
17.5°	74020.9	86796.1	95721.2	96086.9	95721.2	86796.1	74020.9	59715.2	46978.9	32462.8	20890.9
15°	114458.3	133413.7	146795.0	146793.3	146795.0	133413.7	114458.3	94221.5	72816.3	52410.8	34819.3
12.5°	163673.1	186330.9	201641.2	203937.2	201641.2	186330.9	163673.1	134781.2	100660.9	74949.5	50737.5
10°	210906.2	236570.8	259716.6	266089.3	259716.6	236570.8	210906.2	175694.9	136685.3	97499.1	64305.3
7.5°	250885.3	291257.5	312341.1	318981.5	312341.1	291257.5	250885.3	211666.7	166301.9	119084.4	79810.6
5°	290127.2	325072.8	342774.3	347898.9	342774.3	325072.8	290127.2	238524.9	188438.9	136869.7	91390.1
2.5°	310769.7	342846.2	367725.9	382154.6	367725.9	342846.2	310769.7	258309.2	203815.5	149568.2	100740.4
0°	318536.3	349011.5	382377.5	405103.5	382377.5	349011.5	318536.3	267428.6	210273.8	155133.0	105433.0
-2.5°	310768.0	340256.5	364845.1	376816.2	364845.1	340256.5	310768.0	259979.5	202966.9	149684.8	102697.6
-5°	287219.8	321904.9	339807.2	344339.6	339807.2	321904.9	287219.8	239407.1	186687.5	138590.3	95530.6
-7.5°	249609.9	282968.2	304917.7	309861.5	304917.7	282968.2	249609.9	209023.9	165454.8	120948.2	82320.2
-10°	207739.1	236232.7	251040.5	254702.2	251040.5	236232.7	207739.1	171763.8	136125.8	100262.9	66793.9
-12.5°	161417.8	182313.8	197429.4	199481.1	197429.4	182313.8	161417.8	136562.2	105159.2	75740.8	50896.5
-15°	120150.7	133970.2	146156.4	147556.7	146156.4	133970.2	120150.7	98919.7	76163.5	53702.6	35184.4
-17.5°	80494.7	91936.1	98754.7	100722.0	98754.7	91936.1	80494.7	63284.5	50155.5	35309.1	24016.3
-20°	48229.6	56416.8	60960.8	61131.6	60960.8	56416.8	48229.6	39288.4	30719.5	22124.3	15792.1



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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°	27980.5	32535.9	34940.1	34893.5	34940.1	32535.9	27980.5	23494.4	18062.3	13771.2	10589.3
-25°	16136.9	18131.5	18927.5	18955.8	18927.5	18131.5	16136.9	13541.7	10921.1	9907.8	8826.9
-27.5°	10275.0	10732.9	10916.3	10945.8	10916.3	10732.9	10275.0	9657.3	8887.6	8485.1	8032.5
-30°	8614.7	8882.6	9005.8	9040.3	9005.8	8882.6	8614.7	8313.3	7982.6	7738.9	7499.3
-32.5°	7773.1	7920.7	8020.3	8005.7	8020.3	7920.7	7773.1	7609.5	7435.2	7279.2	7141.0
-35°	7307.9	7399.2	7455.1	7481.9	7455.1	7399.2	7307.9	7203.7	7097.0	6987.8	6867.4
-37.5°	7006.1	7087.8	7140.7	7156.5	7140.7	7087.8	7006.1	6910.5	6814.6	6712.2	6543.5
-40°	6692.1	6760.1	6803.6	6819.3	6803.6	6760.1	6692.1	6602.3	6497.9	6347.5	6070.1
-42.5°	6353.3	6426.3	6461.1	6461.4	6461.1	6426.3	6353.3	6218.3	6005.4	5719.1	5289.6
-45°	5748.0	5972.7	6085.3	6090.5	6085.3	5972.7	5748.0	5376.9	4924.6	4426.4	3944.2
-47.5°	4183.6	4405.7	4584.3	4716.4	4584.3	4405.7	4183.6	3864.7	3514.2	3145.9	2795.7
-50°	2842.9	2857.5	2858.4	2845.7	2858.4	2857.5	2842.9	2800.4	2751.8	2697.9	2655.2
-52.5°	2714.6	2729.8	2740.8	2747.0	2740.8	2729.8	2714.6	2673.1	2619.9	2554.6	2493.8
-55°	2506.2	2525.3	2533.2	2530.1	2533.2	2525.3	2506.2	2459.4	2396.1	2314.7	2231.4
-57.5°	2196.6	2209.3	2215.1	2213.4	2215.1	2209.3	2196.6	2159.7	2104.6	2032.0	1953.6
-60°	1908.3	1917.7	1923.2	1922.8	1923.2	1917.7	1908.3	1878.3	1829.3	1767.1	1697.3
-62.5°	1639.6	1648.0	1654.1	1654.9	1654.1	1648.0	1639.6	1613.2	1566.3	1508.5	1442.8
-65°	1354.7	1361.0	1365.1	1364.3	1365.1	1361.0	1354.7	1333.8	1292.0	1241.9	1184.7
-67.5°	1082.9	1087.4	1091.1	1091.0	1091.1	1087.4	1082.9	1067.6	1032.5	992.7	948.4
-70°	841.5	842.0	843.7	842.6	843.7	842.0	841.5	832.3	803.5	770.7	733.5
-72.5°	620.3	619.7	619.4	617.1	619.4	619.7	620.3	615.1	592.5	567.6	540.0
-75°	462.1	460.5	459.0	456.6	459.0	460.5	462.1	460.5	444.4	427.2	409.1
-77.5°	386.4	386.4	383.8	380.7	383.8	386.4	386.4	384.7	370.3	355.8	342.4
-80°	342.5	342.2	340.9	339.4	340.9	342.2	342.5	341.9	329.7	317.4	306.0
-82.5°	304.9	305.4	305.2	304.7	305.2	305.4	304.9	303.8	293.7	283.5	273.7
-85°	270.0	270.9	270.5	270.0	270.5	270.9	270.0	269.0	260.4	251.8	243.5
-87.5°	241.1	241.7	241.8	241.8	241.8	241.7	241.1	240.5	233.2	226.0	218.8
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	196.3	192.5	188.7	186.0	183.3	180.1	176.8	171.9	167.0	162.2	157.3
87.5°	1.1	1.1	1.1	1.6	2.1	2.0	2.0	2.0	1.9	2.1	2.2
85°	3.0	3.0	2.9	2.5	2.2	2.2	2.2	2.5	2.8	2.7	2.7
82.5°	3.3	3.3	3.3	3.1	2.9	2.8	2.7	3.0	3.3	3.3	3.3
80°	3.3	3.7	3.9	3.8	3.8	3.7	3.6	3.5	3.4	3.3	3.4
77.5°	3.3	3.5	3.8	4.1	4.3	4.4	4.4	4.3	4.2	4.4	4.5
75°	6.3	6.7	6.6	6.1	5.7	5.4	5.3	5.1	5.0	5.2	5.4
72.5°	15.9	15.5	15.0	13.6	12.2	12.3	11.9	10.8	9.0	6.7	5.4
70°	24.5	25.0	25.7	26.7	26.7	25.7	23.3	20.6	17.6	14.6	11.2
67.5°	26.5	29.3	31.7	33.7	34.2	34.6	33.6	32.0	31.5	28.7	20.8
65°	23.0	27.2	30.2	32.1	32.9	35.0	38.0	38.4	41.6	42.1	34.4
62.5°	15.8	19.6	22.2	24.8	26.2	28.8	34.1	39.7	47.6	51.0	44.1
60°	9.1	11.0	14.3	17.1	19.0	23.1	29.8	38.6	49.1	50.3	48.6
57.5°	6.9	8.6	10.9	13.5	14.4	19.1	25.9	36.2	46.9	48.9	45.9
55°	11.6	13.2	14.5	17.4	19.4	23.3	26.6	35.2	45.5	49.8	50.1
52.5°	35.4	42.8	42.7	34.3	35.6	40.5	37.6	44.4	51.2	57.0	59.2
50°	177.0	176.1	152.1	122.8	128.2	96.5	97.1	85.7	76.1	78.9	75.8
47.5°	469.2	430.9	393.0	362.6	323.8	286.9	257.9	203.7	187.4	132.8	131.4
45°	745.4	716.0	680.6	623.2	582.4	526.8	485.5	431.4	366.8	312.1	222.4
42.5°	1332.6	1085.5	924.1	863.6	780.7	723.1	678.0	631.3	583.2	514.6	431.1
40°	1995.2	1932.7	1585.6	1198.7	1017.2	889.1	829.9	789.1	764.3	711.6	632.0
37.5°	2281.8	2215.4	2120.9	1937.4	1440.9	1152.6	1013.8	934.5	928.3	879.5	809.0
35°	2440.5	2391.7	2343.8	2223.8	1958.6	1706.0	1319.2	1134.1	1044.5	1023.4	965.6
32.5°	2637.9	2592.4	2530.1	2467.5	2402.0	2376.7	1946.1	1493.2	1189.8	1130.5	1079.4
30°	2871.5	2831.9	2757.3	2700.3	2694.4	2671.5	2577.6	2025.8	1535.1	1223.5	1188.2
27.5°	3276.6	3113.0	3024.7	2998.2	2991.7	2978.3	2913.7	2653.7	1944.4	1483.2	1281.1
25°	3932.3	3612.3	3456.0	3415.6	3417.7	3369.0	3323.0	3108.2	2579.5	1797.5	1377.2
22.5°	4997.4	4436.1	4151.5	4014.4	3921.7	3852.5	3713.6	3512.9	3238.4	2248.1	1645.7
20°	7292.4	5538.7	4948.2	4617.0	4358.1	4171.9	3984.9	3800.5	3491.6	2795.2	1929.0
17.5°	12879.0	7737.6	5754.9	5198.6	4799.3	4469.9	4258.7	4022.9	3718.9	3228.6	2167.9
15°	20240.9	11664.3	7431.9	5877.4	5307.4	4866.3	4615.8	4314.8	3993.7	3497.9	2518.4
12.5°	30752.3	16943.1	9016.2	6464.7	5728.5	5204.0	4858.8	4611.5	4264.5	3778.7	2943.2
10°	39363.9	22769.7	12316.5	7690.0	6163.6	5451.4	5038.5	4771.8	4457.2	4035.8	3340.1
7.5°	49495.5	28342.9	15164.0	8562.9	6639.5	5745.4	5189.3	4884.9	4584.5	4136.7	3557.2
5°	56233.1	32378.1	17715.3	9503.8	7097.5	6062.1	5324.9	4966.2	4648.1	4168.7	3703.4
2.5°	61571.9	34613.9	18736.6	9762.8	7394.7	6358.6	5504.1	5067.3	4693.4	4207.3	3814.8
0°	64843.8	36014.8	18419.0	9928.5	7576.2	6551.4	5753.2	5179.5	4713.2	4231.7	3874.9
-2.5°	63367.2	35355.9	18263.7	9795.0	7682.1	6662.5	5949.0	5431.3	4822.6	4267.2	3900.6
-5°	59005.8	32837.9	17871.8	9844.8	7728.5	6742.2	6075.5	5591.3	4923.6	4309.6	3876.6
-7.5°	51242.5	29407.3	16091.7	9531.0	7680.3	6771.3	6149.6	5671.9	5050.4	4442.5	3849.0
-10°	40454.8	23898.7	13535.4	9086.9	7579.7	6752.4	6193.9	5678.5	5098.8	4538.5	3755.6
-12.5°	32203.5	18709.8	10852.2	8450.9	7437.9	6712.6	6210.6	5637.4	5117.0	4627.0	3643.4
-15°	22471.1	14025.8	9775.5	8177.9	7300.9	6654.6	6178.0	5560.2	5097.8	4666.5	3435.2
-17.5°	15856.1	10716.0	8711.6	7771.3	7097.9	6594.8	6056.7	5501.4	5039.0	4454.3	3114.5
-20°	10811.9	9163.5	8246.2	7507.8	6912.7	6481.9	5895.9	5414.0	4923.5	4009.9	2879.8



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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°	9164.6	8420.3	7817.3	7239.0	6830.5	6288.9	5752.8	5282.2	4754.1	3506.2	2621.1
-25°	8327.8	7861.5	7435.3	7109.0	6667.3	6111.5	5620.7	5073.0	4180.0	3089.9	2382.8
-27.5°	7722.3	7404.5	7211.1	6896.7	6425.2	5943.2	5434.8	4755.1	3523.6	2751.4	2389.5
-30°	7286.1	7128.5	6925.0	6602.9	6174.5	5715.9	5218.5	4065.7	3075.6	2486.5	2380.8
-32.5°	7000.9	6834.0	6594.8	6262.6	5875.8	5448.9	4447.7	3416.8	2662.6	2469.8	2324.8
-35°	6735.2	6487.9	6171.1	5857.2	5555.6	4592.2	3603.3	2861.1	2554.5	2430.3	2248.5
-37.5°	6312.5	6015.2	5695.4	5313.9	4492.1	3627.3	2929.7	2623.7	2515.2	2343.4	2135.0
-40°	5728.7	5426.3	4835.4	4184.6	3507.8	2842.7	2666.0	2581.7	2416.3	2227.6	1998.1
-42.5°	4742.3	4191.0	3692.7	3175.0	2746.2	2684.1	2603.0	2459.7	2285.2	2070.1	1853.7
-45°	3526.2	3099.2	2735.9	2712.5	2674.3	2581.7	2464.9	2299.3	2108.4	1905.4	1700.8
-47.5°	2702.0	2671.9	2656.6	2607.6	2525.7	2421.1	2269.3	2105.9	1921.6	1735.1	1559.9
-50°	2604.8	2552.3	2497.3	2429.5	2315.6	2190.3	2051.1	1897.6	1735.4	1579.0	1413.7
-52.5°	2431.5	2348.1	2261.4	2171.6	2071.6	1958.9	1831.3	1704.4	1567.2	1414.9	1262.0
-55°	2150.9	2075.5	2002.3	1921.3	1833.4	1739.1	1635.6	1515.4	1380.6	1240.6	1110.7
-57.5°	1878.2	1809.0	1754.4	1689.1	1614.7	1525.3	1426.4	1309.4	1190.4	1073.3	960.2
-60°	1633.4	1569.5	1518.6	1456.7	1384.7	1302.8	1215.4	1116.1	1008.4	921.2	835.7
-62.5°	1385.8	1329.1	1277.5	1221.2	1158.2	1088.6	1014.9	944.0	863.9	784.1	701.0
-65°	1132.1	1077.3	1032.6	997.8	953.1	905.5	848.4	785.4	710.9	637.7	561.5
-67.5°	906.5	865.8	833.9	803.3	764.3	720.7	668.0	611.5	557.3	503.5	443.9
-70°	697.6	665.1	634.7	603.3	574.2	545.9	510.4	469.9	424.4	388.7	356.4
-72.5°	514.3	493.7	472.5	451.5	427.8	411.3	393.7	371.9	347.1	319.5	295.8
-75°	392.5	381.1	369.7	360.0	348.7	336.1	325.3	313.0	299.7	285.0	270.2
-77.5°	330.0	322.7	315.8	311.2	306.0	299.7	291.9	281.8	271.5	259.2	247.2
-80°	295.1	289.3	283.6	279.4	274.8	269.5	263.5	255.0	246.0	235.7	225.5
-82.5°	264.1	259.3	254.5	250.5	246.3	242.0	237.3	229.9	222.3	213.5	204.7
-85°	235.4	231.3	227.1	223.8	220.3	216.6	212.6	206.2	199.7	192.3	184.9
-87.5°	211.6	208.0	204.4	201.4	198.3	194.6	190.9	185.6	180.3	174.5	168.7
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.7	2.2



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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°	150.8	144.2	139.4	134.5	129.1	123.6	117.7	111.7	104.1	96.5	87.3
87.5°	2.2	2.2	2.5	2.8	2.8	2.7	2.7	2.7	2.8	2.9	3.2
85°	2.6	2.5	2.9	3.3	3.3	3.3	3.2	3.1	3.4	3.6	3.7
82.5°	3.3	3.2	3.2	3.3	3.6	3.8	3.7	3.6	4.0	4.3	4.1
80°	3.7	3.9	3.7	3.6	3.9	4.3	4.1	4.1	4.4	4.7	4.6
77.5°	4.5	4.5	4.3	4.2	4.2	4.4	4.5	4.5	4.9	5.1	5.2
75°	5.4	5.0	4.5	4.5	4.6	4.5	4.8	5.1	5.5	5.6	5.7
72.5°	5.4	5.4	4.9	4.8	5.5	5.7	5.7	5.7	6.3	6.5	6.4
70°	8.2	6.4	6.0	6.2	6.6	7.0	7.1	7.2	7.1	7.5	7.5
67.5°	13.1	10.8	9.0	7.9	7.9	8.4	8.6	9.0	9.0	8.6	8.7
65°	25.2	18.2	12.8	11.3	10.0	9.9	10.2	11.0	11.1	10.8	9.9
62.5°	36.2	28.1	21.5	16.2	13.5	13.5	12.0	13.3	13.3	13.3	12.0
60°	46.1	37.6	31.1	25.6	20.6	18.2	17.1	15.9	16.2	15.8	14.5
57.5°	46.4	45.7	42.8	36.2	31.6	26.4	23.7	21.5	19.5	19.2	17.2
55°	47.1	47.7	53.4	49.6	44.8	37.9	33.1	29.1	24.4	23.2	20.0
52.5°	56.4	57.9	62.4	65.5	62.0	52.3	47.3	37.3	33.6	27.4	24.0
50°	72.3	77.9	78.5	84.1	81.3	74.9	62.7	52.5	43.7	33.5	28.3
47.5°	112.8	117.9	107.9	110.6	105.6	100.9	86.2	70.8	54.6	43.6	32.8
45°	214.5	184.5	167.2	152.8	139.7	134.3	114.5	91.0	73.2	54.3	37.4
42.5°	347.6	302.7	267.7	203.3	195.9	173.4	148.6	121.9	93.3	65.4	45.1
40°	535.5	449.6	390.2	321.6	265.1	217.8	192.5	156.8	114.7	79.4	55.1
37.5°	712.3	602.6	527.1	443.7	352.3	290.3	240.9	194.2	140.2	99.1	65.4
35°	854.5	745.6	643.2	557.2	464.6	363.1	292.8	236.0	173.1	119.5	75.8
32.5°	983.4	867.6	751.6	654.7	554.1	433.9	353.3	277.5	206.2	140.7	86.7
30°	1097.7	987.0	854.8	734.8	627.9	508.2	410.6	316.2	239.3	162.5	99.3
27.5°	1222.4	1110.7	959.6	821.8	692.9	572.7	456.3	352.3	272.4	184.6	115.9
25°	1339.6	1226.0	1076.2	919.5	758.5	624.2	498.9	385.9	303.3	207.0	131.5
22.5°	1418.2	1323.2	1183.4	1022.8	830.9	674.4	540.6	422.5	324.4	227.5	146.2
20°	1481.5	1408.6	1278.1	1101.0	909.5	733.8	582.3	452.0	343.9	246.0	159.9
17.5°	1571.9	1477.5	1345.3	1166.7	981.7	793.6	622.5	479.7	361.8	262.6	172.6
15°	1793.9	1537.9	1410.6	1228.5	1037.3	844.7	661.6	506.0	378.1	277.3	184.0
12.5°	2024.2	1596.6	1473.7	1282.0	1078.4	888.3	699.2	530.5	392.7	292.2	194.1
10°	2240.4	1647.7	1532.5	1330.8	1114.1	925.0	734.5	557.3	414.4	307.5	203.3
7.5°	2423.2	1694.2	1587.8	1375.0	1146.4	958.1	770.2	590.7	436.3	321.6	211.3
5°	2577.6	1737.0	1641.5	1429.4	1184.6	988.7	801.7	621.7	456.9	334.3	218.3
2.5°	2682.7	1775.8	1689.8	1480.2	1218.0	1014.1	828.7	649.8	475.7	345.4	224.1
0°	2752.4	1811.1	1730.8	1523.7	1246.1	1034.6	851.3	674.6	492.4	354.6	228.8
-2.5°	2774.4	1847.9	1764.5	1560.6	1290.9	1061.9	867.9	686.1	503.7	365.0	236.6
-5°	2758.7	1881.8	1791.9	1590.0	1328.5	1083.8	880.1	694.0	512.6	373.4	243.1
-7.5°	2711.7	1919.9	1814.8	1611.9	1357.3	1099.6	887.8	698.2	518.9	379.5	248.1
-10°	2631.3	1958.2	1833.1	1620.2	1361.8	1107.8	891.4	698.7	522.8	383.3	251.6
-12.5°	2530.1	1993.2	1844.4	1618.7	1356.4	1109.4	894.5	697.1	523.9	384.7	253.5
-15°	2400.8	2037.4	1859.0	1608.6	1344.4	1106.0	891.7	691.8	520.6	382.4	253.6
-17.5°	2231.3	2078.5	1868.3	1595.7	1327.9	1097.6	882.8	681.6	514.5	376.2	251.4
-20°	2227.0	2096.4	1863.3	1570.8	1304.3	1082.2	867.4	666.3	505.4	367.8	247.1



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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°	2258.0	2089.1	1833.9	1537.8	1276.1	1060.4	847.1	646.3	493.3	357.1	241.3
-25°	2275.1	2075.1	1792.9	1502.2	1247.1	1032.8	823.3	625.3	478.3	344.3	234.0
-27.5°	2247.3	2033.3	1739.5	1454.8	1214.1	999.9	795.9	610.3	464.6	329.2	225.2
-30°	2199.9	1954.5	1674.0	1399.7	1171.4	962.0	763.5	592.2	449.6	317.0	214.9
-32.5°	2129.1	1869.7	1600.2	1347.0	1122.8	918.2	726.8	570.5	432.1	306.6	208.2
-35°	2017.5	1774.1	1521.0	1287.5	1068.8	873.6	691.8	545.4	412.1	293.4	202.4
-37.5°	1897.0	1664.4	1447.8	1223.0	1012.4	824.8	660.9	518.8	389.8	277.5	196.0
-40°	1770.7	1553.5	1353.5	1153.3	954.2	772.3	625.5	488.8	367.9	258.8	188.1
-42.5°	1638.4	1445.1	1256.1	1072.1	891.0	728.1	585.8	454.1	341.8	244.9	178.9
-45°	1514.7	1331.4	1153.2	986.3	823.4	678.7	541.9	415.9	312.8	232.8	172.0
-47.5°	1384.4	1213.4	1049.8	894.9	761.8	623.8	492.4	380.4	281.6	218.9	169.2
-50°	1250.4	1093.3	944.4	811.9	690.1	562.8	440.8	342.0	262.9	202.6	165.9
-52.5°	1114.4	972.5	845.9	729.5	612.8	496.3	393.0	302.4	242.9	193.6	161.9
-55°	977.2	862.0	752.4	641.2	531.1	434.2	341.4	277.2	221.4	187.7	157.5
-57.5°	859.6	757.5	651.6	547.6	455.9	371.0	302.8	250.7	210.7	181.2	154.5
-60°	742.9	642.6	544.8	462.8	384.8	319.9	272.0	228.8	202.7	174.7	150.8
-62.5°	612.5	526.2	453.6	382.3	327.9	282.8	243.5	217.9	193.9	169.5	146.5
-65°	493.7	427.6	365.7	324.9	284.4	250.3	229.7	206.3	185.9	163.8	142.0
-67.5°	384.2	348.5	312.4	275.7	253.5	234.7	215.1	196.6	178.1	157.7	137.3
-70°	323.1	290.6	269.3	252.8	236.2	219.2	203.9	187.6	170.0	151.7	132.4
-72.5°	279.5	263.9	248.7	233.7	220.3	206.6	192.9	178.3	162.0	145.4	127.1
-75°	255.8	242.7	230.0	217.6	205.6	193.6	181.6	168.5	153.7	138.7	121.4
-77.5°	235.4	223.7	212.4	201.7	191.7	181.4	170.2	158.3	145.0	131.4	115.5
-80°	215.4	205.4	196.0	186.9	178.1	169.1	158.5	148.0	136.0	123.8	109.2
-82.5°	195.9	187.2	179.4	171.6	163.7	155.6	146.6	137.5	126.8	115.9	103.3
-85°	177.2	169.4	162.6	155.7	148.8	141.9	135.0	127.9	118.8	109.5	98.1
-87.5°	162.0	155.3	149.9	144.4	138.6	132.8	126.4	119.9	111.5	103.1	92.8
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.8



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	78.1	65.6	53.1	38.5	23.9	13.6	3.3
87.5°	3.6	3.6	3.7	3.6	3.5	3.6	3.3
85°	3.8	4.0	4.0	3.8	3.7	3.8	3.3
82.5°	4.1	4.3	4.4	4.1	3.9	4.1	3.3
80°	4.4	4.7	4.8	4.4	4.1	4.3	3.3
77.5°	5.0	5.1	5.1	4.7	4.3	4.6	3.3
75°	5.6	5.7	5.5	4.9	4.5	4.9	3.3
72.5°	6.3	6.4	6.1	5.2	4.8	5.1	3.3
70°	7.0	7.0	6.7	5.5	5.0	5.4	3.3
67.5°	8.4	7.7	7.4	6.2	5.3	5.7	3.3
65°	9.8	8.8	8.1	6.8	5.7	5.9	3.3
62.5°	11.2	10.2	8.8	7.5	6.0	6.2	3.3
60°	12.8	11.7	9.5	8.2	6.4	6.5	3.3
57.5°	15.2	13.3	11.0	8.8	7.1	6.8	3.3
55°	17.7	14.9	12.5	9.5	7.9	7.1	3.3
52.5°	20.3	16.6	14.0	10.2	8.7	7.4	3.3
50°	23.0	19.1	15.6	11.0	9.5	7.7	3.3
47.5°	25.8	21.6	17.2	11.8	10.3	8.0	3.3
45°	29.8	24.2	18.9	13.1	11.1	8.3	3.3
42.5°	34.0	26.9	20.6	14.3	11.9	8.6	3.3
40°	38.4	29.7	22.5	15.9	12.8	8.9	3.3
37.5°	43.3	32.5	24.7	17.7	13.7	9.2	3.3
35°	48.4	36.1	26.9	19.6	14.5	9.5	3.3
32.5°	54.7	40.1	29.1	21.4	15.4	9.8	3.3
30°	63.7	44.1	31.3	23.2	16.3	10.1	3.3
27.5°	72.6	48.1	34.1	25.0	17.2	10.3	3.3
25°	81.3	52.1	36.9	26.8	18.1	10.6	3.3
22.5°	89.8	56.1	39.7	28.5	19.0	10.9	3.3
20°	98.1	60.2	42.4	30.3	19.9	11.2	3.3
17.5°	105.7	64.1	45.0	32.0	20.7	11.5	3.3
15°	112.8	67.8	47.6	33.6	21.6	11.7	3.3
12.5°	119.3	71.4	50.0	35.2	22.4	12.0	3.3
10°	125.3	74.7	52.4	36.8	23.2	12.2	3.3
7.5°	130.7	77.8	54.7	38.3	23.9	12.4	3.3
5°	135.5	80.7	56.8	39.7	24.7	12.6	3.3
2.5°	139.7	83.3	58.8	41.0	25.4	12.8	3.3
0°	143.2	85.7	60.7	42.3	26.0	13.0	3.3
-2.5°	147.8	89.3	63.4	44.2	27.2	13.5	3.3
-5°	151.7	92.6	66.0	46.0	28.3	14.1	3.3
-7.5°	154.9	95.7	68.4	47.6	29.3	14.5	3.3
-10°	157.3	98.5	70.6	49.2	30.3	15.0	3.3
-12.5°	159.0	101.0	72.6	50.6	31.2	15.5	3.3
-15°	159.9	103.2	74.5	52.0	32.1	15.9	3.3
-17.5°	160.0	105.1	76.1	53.2	32.9	16.3	3.3
-20°	159.4	106.6	77.6	54.2	33.6	16.6	3.3



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	158.1	107.8	78.8	55.2	34.3	17.0	3.3
-25°	156.1	109.0	79.9	56.0	34.9	17.3	3.3
-27.5°	153.2	109.8	80.7	56.6	35.4	17.6	3.3
-30°	149.4	110.4	81.3	57.1	35.8	17.8	3.3
-32.5°	144.9	110.7	82.1	57.5	36.2	18.0	3.3
-35°	143.2	110.6	82.7	57.7	36.4	18.2	3.3
-37.5°	142.8	110.5	83.1	57.8	36.6	18.3	3.3
-40°	141.9	110.7	83.3	57.7	36.7	18.4	3.3
-42.5°	140.7	110.7	83.3	57.5	36.7	18.5	3.3
-45°	138.9	110.3	83.2	57.5	36.7	18.5	3.3
-47.5°	136.7	109.7	82.9	57.2	36.5	18.5	3.3
-50°	135.1	108.9	82.3	57.1	36.3	18.5	3.3
-52.5°	133.4	107.8	81.5	56.8	36.0	18.4	3.3
-55°	131.3	106.2	80.5	56.5	35.6	18.3	3.3
-57.5°	128.9	104.3	79.2	56.0	35.2	18.2	3.3
-60°	126.1	102.1	77.8	55.3	34.7	18.0	3.3
-62.5°	123.1	99.8	76.6	54.5	34.1	17.8	3.3
-65°	119.9	97.1	75.2	53.6	33.5	17.6	3.3
-67.5°	116.3	94.5	73.6	52.5	32.9	17.3	3.3
-70°	112.5	91.8	71.9	51.3	32.1	17.0	3.3
-72.5°	108.5	88.9	69.9	50.0	31.3	16.7	3.3
-75°	104.3	85.7	67.8	48.7	30.4	16.3	3.3
-77.5°	99.7	82.3	65.7	47.3	29.5	15.9	3.3
-80°	94.9	79.1	63.5	45.7	28.5	15.5	3.3
-82.5°	90.9	75.9	61.1	44.1	27.4	15.1	3.3
-85°	86.8	72.6	58.5	42.3	26.3	14.6	3.3
-87.5°	82.5	69.2	55.9	40.4	25.1	14.1	3.3
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3

(END OF REPORT)