

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: P1305604 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-40-70-3S-VHE-A**

Issue Date: 2/3/2026

Test Information

Test Method: LM-79-08
Report Number: P1305604 (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: EPHESUS
Catalog Number: EPH-08-640L-40-70-3S-VHE-A
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 3S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

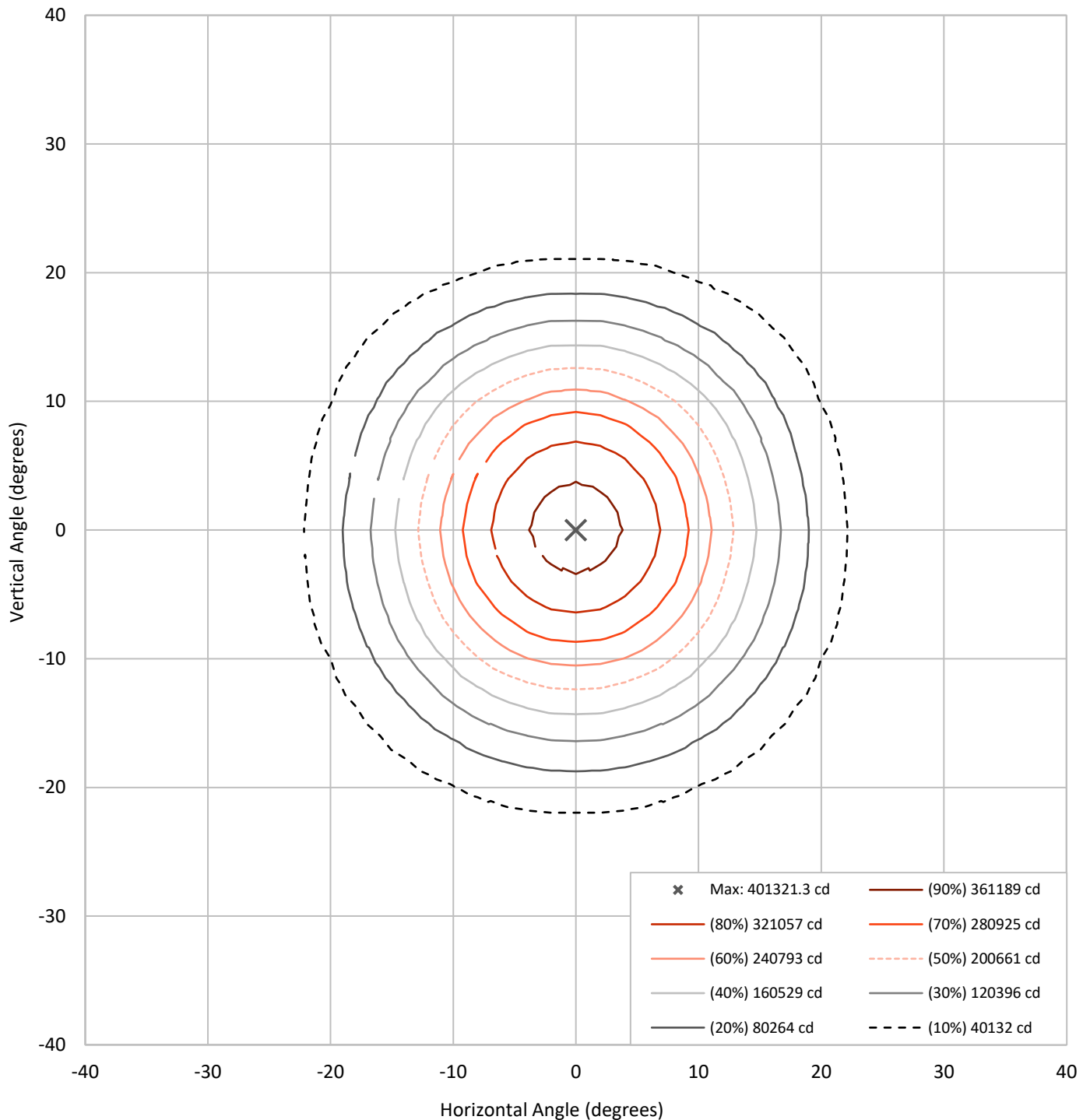
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	90165 lumens	Max Intensity:	401321.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	139.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	25.7°H x 24.9°V	Field Angle (10%):	44.2°H x 43°V
Beam Lumens:	43140.1 lumens	Field Lumens:	75592.2 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





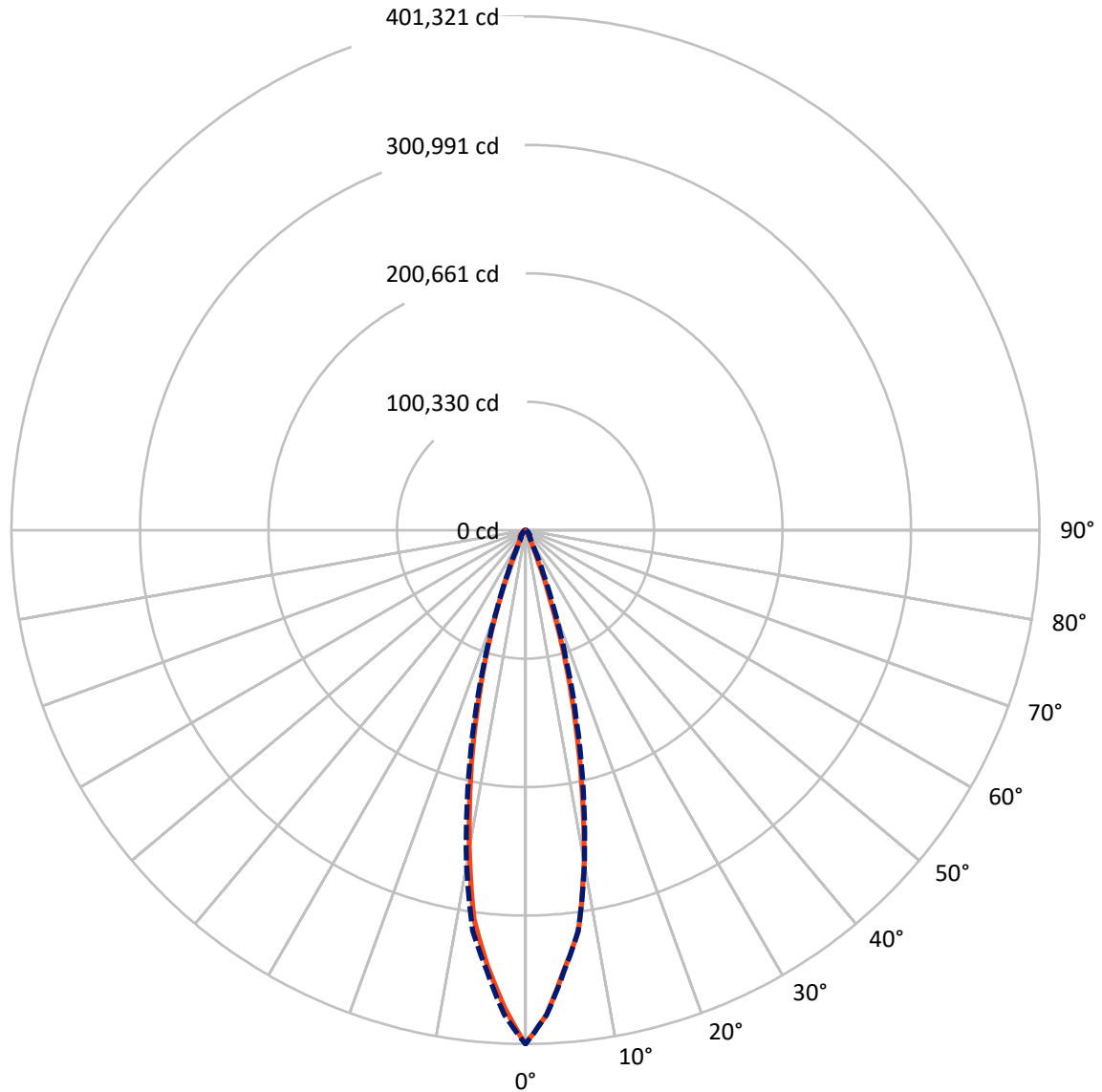
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Lumen Table

90	0.2	0.7	1.4	2.1	2.5	2.1	1.4	0.7	0.2										
80	0.2	0.7	1.4	2.1	2.5	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	1.5	1.5	1.3	1.0	1.0	1.1	0.9	0.4				
50	0.8	1.3	3.0	6.3	11.7	19.9	28.3	32.1	32.1	28.3	19.9	11.7	6.3	3.0	1.3	0.8			
40		3.1	9.6	19.8	37.2	61.6	74.5	87.4	87.4	74.5	61.6	37.2	19.8	9.6	3.1				
30	2.1	5.2	16.1	35.3	79.1	101.7	219.7	480.4	480.4	219.7	101.7	79.1	35.3	16.1	5.2	2.1			
20		6.9	21.2	57.4	113.5	274.4	1652.6	3995.3	3995.3	1652.6	274.4	113.5	57.4	21.2	6.9				
10	3.0	8.3	24.5	73.1	137.5	609.0	4013.8	9142.4	9142.4	4013.8	609.0	137.5	73.1	24.5	8.3	3.0			
0		9.2	27.0	77.4	152.3	627.6	4038.2	9047.4	9047.4	4038.2	627.6	152.3	77.4	27.0	9.2				
-10	3.3	9.3	27.8	74.7	151.7	336.5	1723.2	4032.6	4032.6	1723.2	336.5	151.7	74.7	27.8	9.3	3.3			
-20		8.6	26.6	59.1	136.5	206.1	357.2	679.3	679.3	357.2	206.1	136.5	59.1	26.6	8.6				
-30	2.8	7.3	22.7	47.3	94.3	164.9	203.5	225.9	225.9	203.5	164.9	94.3	47.3	22.7	7.3	2.8			
-40		5.6	17.3	36.6	59.7	88.1	129.2	160.9	160.9	129.2	88.1	59.7	36.6	17.3	5.6				
-50	2.3	3.8	11.3	24.0	40.2	54.7	66.5	73.7	73.7	66.5	54.7	40.2	24.0	11.3	3.8	2.3			
-60		2.7	6.0	12.4	20.9	28.9	36.4	41.0	41.0	36.4	28.9	20.9	12.4	6.0	2.7				
-70	1.6	9.9	22.9	37.2	45.7	37.2	22.9	9.9	1.6							1.6			
-80		9.9	22.9	37.2	45.7	37.2	22.9	9.9	1.6										
-90	1.6	9.9	22.9	37.2	45.7	37.2	22.9	9.9	1.6										
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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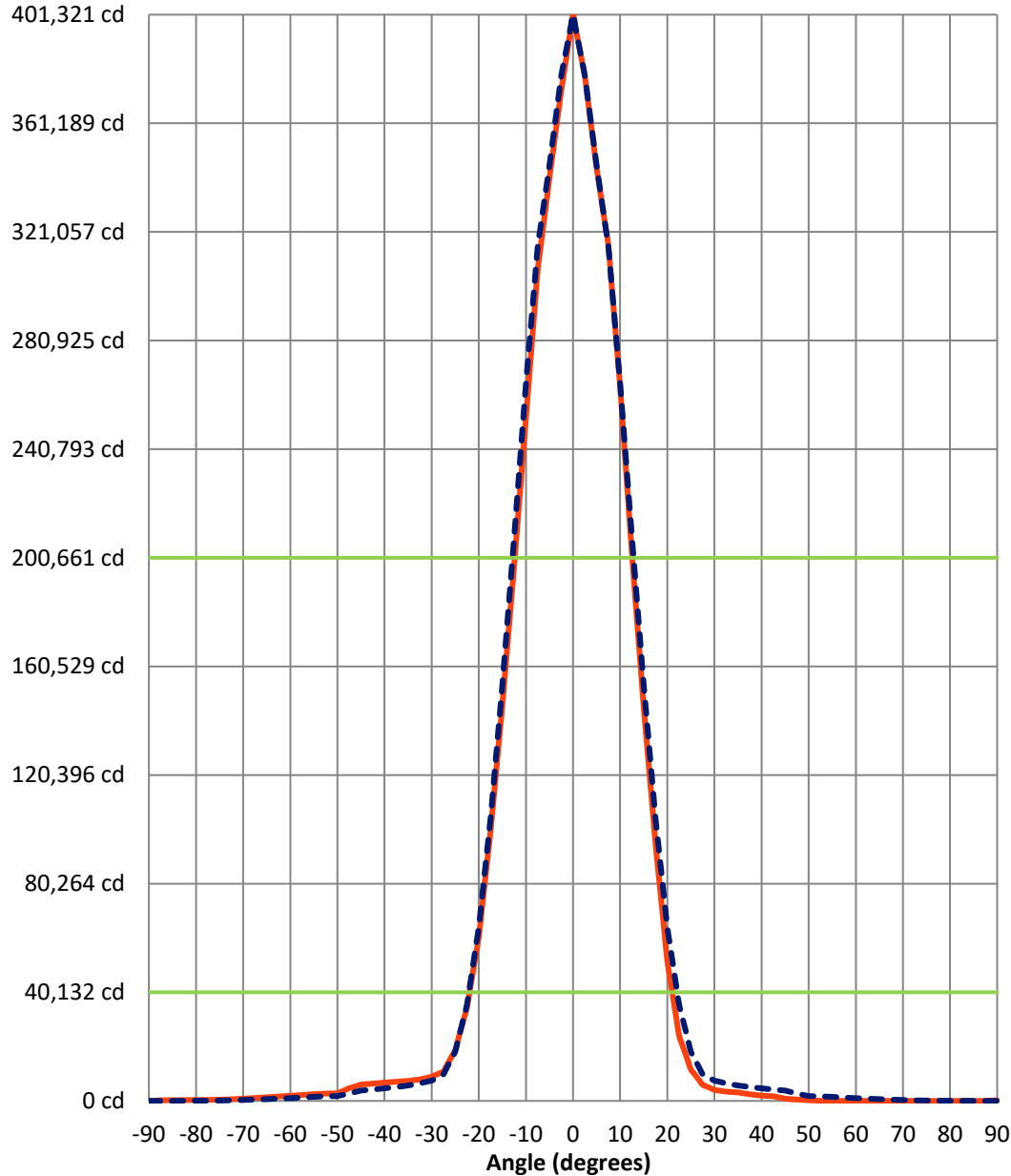
Luminous Intensity Polar Plot



— 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: 43140.1
 Efficiency: 47.8%

Field:
 H Angle: 44.2°
 V Angle: 43°
 Lumens: 75592.2
 Efficiency: 83.8%

Spill:
 Lumens: 14572.8
 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°	3.2	13.4	23.6	38.1	52.6	65.0	77.4	86.5	95.6	103.2	110.7
87.5°	3.2	3.5	3.4	3.5	3.6	3.6	3.5	3.1	2.9	2.7	2.6
85°	3.2	3.7	3.6	3.8	4.0	3.9	3.8	3.6	3.6	3.4	3.0
82.5°	3.2	4.0	3.8	4.1	4.3	4.3	4.1	4.1	4.3	3.9	3.5
80°	3.2	4.2	4.0	4.3	4.7	4.7	4.4	4.6	4.7	4.4	4.0
77.5°	3.2	4.5	4.2	4.6	5.1	5.1	5.0	5.1	5.1	4.8	4.5
75°	3.2	4.8	4.5	4.9	5.5	5.7	5.6	5.6	5.6	5.5	5.1
72.5°	3.2	5.0	4.7	5.2	6.1	6.3	6.2	6.3	6.5	6.2	5.7
70°	3.2	5.3	5.0	5.5	6.7	7.0	6.9	7.4	7.4	7.0	7.2
67.5°	3.2	5.6	5.3	6.1	7.3	7.6	8.3	8.6	8.5	8.9	9.0
65°	3.2	5.9	5.6	6.8	8.0	8.7	9.6	9.8	10.7	11.0	10.9
62.5°	3.2	6.1	6.0	7.4	8.7	10.1	11.1	11.9	13.1	13.2	13.2
60°	3.2	6.4	6.4	8.1	9.4	11.6	12.6	14.4	15.7	16.0	15.7
57.5°	3.2	6.7	7.1	8.8	10.8	13.1	15.0	17.0	19.1	19.3	21.3
55°	3.2	7.0	7.9	9.5	12.3	14.7	17.6	19.8	22.9	24.2	28.8
52.5°	3.2	7.3	8.6	10.2	13.9	16.4	20.1	23.8	27.1	33.3	37.0
50°	3.2	7.6	9.4	10.9	15.4	18.9	22.8	28.1	33.2	43.3	52.1
47.5°	3.2	7.9	10.2	11.7	17.0	21.4	25.6	32.5	43.2	54.1	70.2
45°	3.2	8.2	11.0	13.0	18.7	24.0	29.6	37.1	53.8	72.5	90.2
42.5°	3.2	8.5	11.9	14.2	20.3	26.7	33.7	44.7	64.8	92.5	120.8
40°	3.2	8.8	12.7	15.8	22.2	29.4	38.1	54.6	78.7	113.7	155.4
37.5°	3.2	9.1	13.6	17.6	24.4	32.3	43.0	64.8	98.2	139.0	192.4
35°	3.2	9.4	14.4	19.3	26.6	35.9	47.9	75.1	118.4	171.5	233.8
32.5°	3.2	9.7	15.3	21.1	28.8	39.8	54.2	85.9	139.4	204.3	274.9
30°	3.2	10.0	16.2	22.9	31.0	43.8	63.1	98.4	161.0	237.1	313.3
27.5°	3.2	10.3	17.1	24.7	33.8	47.7	71.9	114.8	182.9	269.8	349.0
25°	3.2	10.6	18.0	26.5	36.6	51.6	80.5	130.3	205.1	300.5	382.3
22.5°	3.2	10.8	18.8	28.2	39.3	55.6	89.0	144.9	225.4	321.3	418.5
20°	3.2	11.1	19.7	29.9	42.0	59.7	97.2	158.4	243.7	340.7	447.8
17.5°	3.2	11.4	20.6	31.6	44.6	63.5	104.7	171.0	260.2	358.4	475.2
15°	3.2	11.6	21.4	33.3	47.2	67.2	111.7	182.3	274.7	374.5	501.2
12.5°	3.2	11.9	22.2	34.9	49.6	70.7	118.2	192.3	289.5	389.0	525.5
10°	3.2	12.1	23.0	36.4	52.0	74.0	124.1	201.4	304.7	410.5	552.0
7.5°	3.2	12.3	23.8	37.9	54.2	77.1	129.4	209.4	318.6	432.3	585.2
5°	3.2	12.5	24.5	39.3	56.3	79.9	134.2	216.3	331.2	452.6	615.9
2.5°	3.2	12.7	25.2	40.7	58.3	82.5	138.3	222.1	342.1	471.3	643.7
0°	3.2	12.9	25.8	41.9	60.2	84.9	141.8	226.7	351.3	487.8	668.3
-2.5°	3.2	13.4	26.9	43.8	62.9	88.5	146.4	234.4	361.6	499.0	679.7
-5°	3.2	13.9	28.0	45.5	65.4	91.8	150.2	240.8	369.9	507.8	687.5
-7.5°	3.2	14.4	29.1	47.2	67.7	94.8	153.4	245.8	375.9	514.0	691.7
-10°	3.2	14.9	30.1	48.7	69.9	97.6	155.8	249.2	379.7	517.9	692.2
-12.5°	3.2	15.3	31.0	50.2	72.0	100.1	157.4	251.1	381.1	519.0	690.6
-15°	3.2	15.7	31.8	51.5	73.8	102.2	158.3	251.2	378.8	515.8	685.3
-17.5°	3.2	16.1	32.6	52.7	75.4	104.1	158.4	249.0	372.7	509.7	675.2
-20°	3.2	16.5	33.3	53.7	76.9	105.6	157.9	244.8	364.3	500.7	660.1



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 CATALOG NUMBER: EPH-08-640L-40-70-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.2	16.8	34.0	54.6	78.1	106.8	156.6	239.0	353.8	488.7	640.3
-25°	3.2	17.1	34.6	55.4	79.1	107.9	154.6	231.8	341.0	473.8	619.5
-27.5°	3.2	17.4	35.1	56.1	79.9	108.8	151.7	223.1	326.1	460.3	604.7
-30°	3.2	17.6	35.5	56.6	80.5	109.3	148.0	212.9	314.0	445.4	586.7
-32.5°	3.2	17.8	35.8	56.9	81.3	109.6	143.5	206.2	303.6	428.0	565.3
-35°	3.2	18.0	36.1	57.1	81.9	109.5	141.9	200.5	290.6	408.2	540.3
-37.5°	3.2	18.1	36.3	57.2	82.3	109.5	141.4	194.1	274.9	386.1	514.0
-40°	3.2	18.2	36.4	57.1	82.5	109.7	140.6	186.3	256.4	364.5	484.3
-42.5°	3.2	18.3	36.4	57.0	82.5	109.6	139.4	177.2	242.6	338.6	449.9
-45°	3.2	18.3	36.3	56.9	82.4	109.3	137.6	170.3	230.6	309.8	412.0
-47.5°	3.2	18.3	36.2	56.7	82.1	108.7	135.4	167.6	216.9	278.9	376.8
-50°	3.2	18.3	36.0	56.5	81.5	107.9	133.9	164.3	200.7	260.4	338.8
-52.5°	3.2	18.2	35.7	56.3	80.7	106.8	132.2	160.4	191.8	240.6	299.5
-55°	3.2	18.1	35.3	55.9	79.7	105.2	130.1	156.0	185.9	219.3	274.6
-57.5°	3.2	18.0	34.8	55.4	78.4	103.3	127.7	153.0	179.5	208.7	248.4
-60°	3.2	17.8	34.3	54.8	77.0	101.2	124.9	149.4	173.1	200.8	226.6
-62.5°	3.2	17.6	33.8	54.0	75.8	98.8	122.0	145.2	167.9	192.1	215.9
-65°	3.2	17.4	33.2	53.0	74.5	96.2	118.7	140.6	162.3	184.2	204.3
-67.5°	3.2	17.1	32.5	52.0	72.9	93.5	115.2	136.0	156.2	176.4	194.7
-70°	3.2	16.8	31.8	50.8	71.2	90.9	111.4	131.1	150.3	168.4	185.8
-72.5°	3.2	16.5	31.0	49.6	69.3	88.0	107.5	125.9	144.0	160.5	176.6
-75°	3.2	16.1	30.1	48.2	67.2	84.9	103.3	120.3	137.4	152.3	166.8
-77.5°	3.2	15.7	29.1	46.8	65.1	81.6	98.8	114.4	130.3	143.7	156.7
-80°	3.2	15.3	28.1	45.3	62.9	78.4	94.0	108.3	122.7	134.8	146.6
-82.5°	3.2	14.9	27.1	43.6	60.5	75.3	90.0	102.4	114.9	125.6	136.3
-85°	3.2	14.4	26.0	41.9	58.0	72.0	86.0	97.2	108.6	117.7	126.7
-87.5°	3.2	13.9	24.8	40.0	55.4	68.5	81.8	91.9	102.2	110.5	118.8
-90°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	2.7	2.1	2.1	2.1



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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°	116.6	122.5	127.9	133.2	138.1	142.9	149.4	155.8	160.7	165.5	170.3
87.5°	2.6	2.6	2.7	2.7	2.4	2.1	2.1	2.1	2.0	1.9	1.9
85°	3.1	3.2	3.2	3.2	2.8	2.4	2.5	2.6	2.6	2.7	2.4
82.5°	3.6	3.7	3.6	3.2	3.1	3.1	3.2	3.2	3.2	3.2	2.9
80°	4.1	4.3	3.9	3.6	3.7	3.8	3.6	3.3	3.2	3.3	3.4
77.5°	4.5	4.4	4.2	4.2	4.3	4.5	4.4	4.4	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°	5.6	5.6	5.4	4.8	4.9	5.4	5.4	5.4	6.7	8.9	10.7
70°	7.0	6.9	6.5	6.1	5.9	6.3	8.1	11.1	14.4	17.4	20.4
67.5°	8.5	8.3	7.8	7.8	8.9	10.8	13.0	20.6	28.5	31.2	31.7
65°	10.1	9.8	9.9	11.2	12.7	18.1	25.0	34.1	41.7	41.2	38.1
62.5°	11.9	13.3	13.4	16.0	21.3	27.8	35.8	43.6	50.5	47.2	39.3
60°	17.0	18.0	20.4	25.3	30.8	37.2	45.6	48.1	49.9	48.6	38.2
57.5°	23.5	26.2	31.3	35.8	42.4	45.3	45.9	45.5	48.4	46.4	35.9
55°	32.8	37.6	44.4	49.1	53.0	47.3	46.7	49.6	49.3	45.1	34.9
52.5°	46.9	51.9	61.4	64.9	61.9	57.4	55.8	58.6	56.4	50.7	44.0
50°	62.1	74.2	80.5	83.3	77.8	77.2	71.6	75.1	78.2	75.4	84.9
47.5°	85.4	100.0	104.6	109.6	107.0	116.8	111.7	130.2	131.6	185.6	201.8
45°	113.4	133.0	138.4	151.4	165.6	182.8	212.5	220.3	309.2	363.3	427.3
42.5°	147.2	171.8	194.0	201.4	265.2	299.9	344.4	427.1	509.8	577.8	625.4
40°	190.7	215.8	262.6	318.6	386.5	445.4	530.4	626.1	705.0	757.2	781.7
37.5°	238.6	287.6	349.0	439.6	522.1	597.0	705.6	801.4	871.3	919.6	925.8
35°	290.0	359.6	460.3	552.0	637.2	738.6	846.5	956.6	1013.9	1034.7	1123.5
32.5°	350.0	429.9	549.0	648.6	744.6	859.6	974.3	1069.3	1119.9	1178.7	1479.2
30°	406.8	503.4	622.1	728.0	846.9	977.8	1087.4	1177.1	1212.1	1520.8	2006.8
27.5°	452.1	567.4	686.4	814.2	950.7	1100.4	1210.9	1269.1	1469.3	1926.2	2628.9
25°	494.3	618.4	751.4	910.9	1066.2	1214.6	1327.1	1364.3	1780.7	2555.4	3079.2
22.5°	535.5	668.1	823.1	1013.3	1172.4	1310.9	1404.9	1630.4	2227.1	3208.2	3480.2
20°	576.8	726.9	901.0	1090.7	1266.1	1395.4	1467.7	1911.0	2769.1	3459.1	3765.0
17.5°	616.6	786.2	972.5	1155.9	1332.7	1463.8	1557.2	2147.7	3198.5	3684.1	3985.3
15°	655.4	836.7	1027.7	1217.0	1397.4	1523.6	1777.2	2494.9	3465.2	3956.4	4274.5
12.5°	692.6	880.0	1068.4	1270.1	1460.0	1581.7	2005.3	2915.7	3743.5	4224.7	4568.5
10°	727.6	916.3	1103.7	1318.4	1518.2	1632.3	2219.5	3308.9	3998.1	4415.6	4727.3
7.5°	763.0	949.1	1135.7	1362.1	1573.0	1678.4	2400.7	3524.1	4098.1	4541.7	4839.2
5°	794.2	979.4	1173.5	1416.1	1626.2	1720.8	2553.6	3668.8	4129.7	4604.7	4919.9
2.5°	820.9	1004.6	1206.6	1466.4	1674.1	1759.3	2657.7	3779.1	4168.0	4649.5	5020.1
0°	843.4	1024.9	1234.4	1509.5	1714.7	1794.2	2726.7	3838.7	4192.2	4669.2	5131.2
-2.5°	859.8	1052.0	1278.8	1546.1	1748.1	1830.6	2748.4	3864.2	4227.4	4777.6	5380.7
-5°	872.0	1073.7	1316.1	1575.2	1775.2	1864.2	2732.9	3840.4	4269.4	4877.7	5539.1
-7.5°	879.6	1089.3	1344.7	1596.9	1797.8	1902.0	2686.3	3813.1	4401.0	5003.3	5618.9
-10°	883.1	1097.4	1349.1	1605.0	1816.0	1939.9	2606.7	3720.5	4496.2	5051.2	5625.5
-12.5°	886.2	1099.1	1343.8	1603.6	1827.2	1974.6	2506.5	3609.4	4583.8	5069.2	5584.8
-15°	883.4	1095.7	1331.9	1593.6	1841.6	2018.4	2378.3	3403.2	4622.9	5050.3	5508.3
-17.5°	874.5	1087.3	1315.5	1580.8	1850.8	2059.2	2210.4	3085.4	4412.7	4992.0	5450.0
-20°	859.3	1072.1	1292.1	1556.2	1845.9	2076.9	2206.1	2852.9	3972.4	4877.5	5363.4



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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°	839.2	1050.6	1264.2	1523.5	1816.8	2069.6	2236.9	2596.6	3473.4	4709.6	5232.9
-25°	815.6	1023.2	1235.5	1488.2	1776.2	2055.6	2253.9	2360.5	3061.0	4140.9	5025.6
-27.5°	788.5	990.6	1202.8	1441.2	1723.3	2014.3	2226.4	2367.2	2725.7	3490.7	4710.7
-30°	756.4	953.0	1160.4	1386.6	1658.4	1936.2	2179.3	2358.6	2463.3	3046.9	4027.8
-32.5°	720.0	909.6	1112.2	1334.4	1585.2	1852.2	2109.2	2303.1	2446.7	2637.8	3384.9
-35°	685.3	865.4	1058.8	1275.5	1506.8	1757.5	1998.7	2227.5	2407.6	2530.7	2834.4
-37.5°	654.7	817.1	1002.9	1211.5	1434.3	1648.8	1879.3	2115.1	2321.5	2491.7	2599.2
-40°	619.7	765.1	945.3	1142.5	1340.9	1539.0	1754.2	1979.4	2206.8	2393.7	2557.6
-42.5°	580.4	721.3	882.6	1062.1	1244.4	1431.6	1623.1	1836.4	2050.8	2263.9	2436.7
-45°	536.8	672.4	815.8	977.1	1142.4	1319.0	1500.6	1684.9	1887.7	2088.8	2277.9
-47.5°	487.8	618.0	754.7	886.5	1039.9	1202.0	1371.6	1545.4	1718.9	1903.6	2086.2
-50°	436.7	557.5	683.7	804.3	935.6	1083.1	1238.7	1400.5	1564.2	1719.1	1879.8
-52.5°	389.3	491.7	607.1	722.8	838.0	963.4	1104.1	1250.2	1401.7	1552.5	1688.4
-55°	338.1	430.2	526.1	635.3	745.4	853.9	968.1	1100.3	1229.0	1367.7	1501.3
-57.5°	299.9	367.6	451.7	542.5	645.6	750.4	851.5	951.2	1063.3	1179.4	1297.2
-60°	269.4	316.9	381.2	458.6	539.8	636.6	735.9	827.9	912.6	999.0	1105.7
-62.5°	241.2	280.2	324.9	378.7	449.3	521.3	606.8	694.5	776.8	855.8	935.2
-65°	227.5	248.0	281.7	321.9	362.3	423.6	489.1	556.2	631.7	704.2	778.0
-67.5°	213.1	232.5	251.1	273.1	309.5	345.2	380.6	439.7	498.8	552.1	605.8
-70°	201.9	217.2	234.0	250.4	266.8	287.8	320.0	353.1	385.1	420.5	465.5
-72.5°	191.1	204.7	218.3	231.5	246.4	261.5	276.9	293.0	316.5	343.8	368.4
-75°	179.9	191.8	203.7	215.6	227.9	240.4	253.4	267.7	282.3	296.9	310.0
-77.5°	168.6	179.7	189.9	199.9	210.4	221.6	233.2	244.8	256.8	268.9	279.2
-80°	157.0	167.5	176.5	185.2	194.2	203.4	213.3	223.4	233.5	243.7	252.6
-82.5°	145.2	154.1	162.1	170.0	177.8	185.4	194.0	202.8	211.5	220.2	227.8
-85°	133.7	140.5	147.4	154.3	161.1	167.8	175.5	183.2	190.5	197.8	204.2
-87.5°	125.2	131.5	137.3	143.0	148.5	153.9	160.5	167.1	172.8	178.5	183.9
-90°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.6	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°	175.1	178.4	181.6	184.3	186.9	190.7	194.5	199.9	205.2	211.7	218.1
87.5°	1.9	1.9	2.0	1.5	1.1	1.1	1.1	1.1	1.1	1.6	2.1
85°	2.1	2.1	2.1	2.4	2.8	2.9	2.9	3.0	3.1	3.1	3.2
82.5°	2.6	2.7	2.8	3.0	3.2	3.2	3.2	3.2	3.2	3.7	4.2
80°	3.5	3.6	3.7	3.8	3.9	3.6	3.2	3.2	3.2	3.7	4.3
77.5°	4.4	4.4	4.3	4.1	3.8	3.5	3.2	3.2	3.2	3.3	3.3
75°	5.3	5.4	5.7	6.0	6.5	6.6	6.2	6.3	6.6	6.5	6.2
72.5°	11.8	12.2	12.1	13.5	14.9	15.4	15.8	16.8	18.1	19.7	21.5
70°	23.1	25.5	26.5	26.5	25.5	24.8	24.3	24.1	24.6	25.7	27.1
67.5°	33.3	34.3	33.9	33.4	31.4	29.0	26.3	24.8	25.5	26.7	28.4
65°	37.6	34.6	32.5	31.8	29.9	26.9	22.8	20.0	19.4	19.0	18.8
62.5°	33.8	28.5	26.0	24.6	22.0	19.4	15.6	12.7	11.6	10.9	10.8
60°	29.5	22.9	18.8	16.9	14.1	10.9	9.0	6.9	6.2	5.8	5.9
57.5°	25.6	19.0	14.3	13.4	10.8	8.5	6.9	5.1	4.6	4.3	4.5
55°	26.4	23.1	19.3	17.3	14.4	13.1	11.5	10.4	9.5	9.7	10.3
52.5°	37.3	40.1	35.2	34.0	42.3	42.4	35.0	46.4	53.4	58.6	60.1
50°	96.2	95.5	127.0	121.7	150.7	174.4	175.4	189.8	217.3	236.1	246.2
47.5°	255.5	284.2	320.8	359.2	389.3	426.8	464.8	493.2	500.1	500.9	505.9
45°	481.0	521.9	577.0	617.4	674.3	709.3	738.5	764.8	825.7	881.7	947.0
42.5°	671.6	716.3	773.4	855.6	915.4	1075.4	1320.2	1380.3	1388.9	1438.7	1511.1
40°	822.1	880.8	1007.7	1187.5	1570.8	1914.6	1976.6	2028.3	2051.0	2023.4	2072.6
37.5°	1004.4	1141.9	1427.5	1919.4	2101.1	2194.7	2260.5	2300.1	2348.1	2392.6	2416.7
35°	1306.9	1690.1	1940.4	2203.1	2321.9	2369.3	2417.7	2466.4	2504.1	2553.3	2592.6
32.5°	1927.9	2354.4	2379.6	2444.5	2506.4	2568.2	2613.3	2659.7	2699.9	2763.6	2897.2
30°	2553.4	2646.5	2669.2	2675.1	2731.6	2805.5	2844.7	2938.4	3064.8	3209.9	3518.6
27.5°	2886.5	2950.5	2963.8	2970.2	2996.5	3083.9	3246.0	3373.9	3677.5	4045.9	4839.1
25°	3292.0	3337.5	3385.8	3383.7	3423.7	3578.6	3895.6	4165.5	5191.1	6150.7	8218.2
22.5°	3678.9	3816.5	3885.1	3977.0	4112.7	4394.6	4950.7	6512.9	9124.7	12457.8	16607.1
20°	3947.8	4132.9	4317.4	4573.9	4902.0	5487.0	7224.3	11898.8	17481.1	25581.3	32375.3
17.5°	4218.9	4428.1	4754.5	5150.0	5701.2	7665.4	12758.8	20695.8	32159.7	46540.2	59157.7
15°	4572.6	4820.8	5257.8	5822.5	7362.5	11555.4	20051.9	34494.2	51921.5	72136.5	93341.8
12.5°	4813.4	5155.4	5675.0	6404.3	8932.0	16784.9	30465.1	50263.8	74249.7	99721.1	133522.8
10°	4991.4	5400.4	6106.0	7618.2	12201.5	22557.1	38996.4	63704.9	96588.8	135409.1	174054.5
7.5°	5140.9	5691.7	6577.6	8483.0	15022.4	28078.3	49033.3	79065.4	117972.6	164749.2	209690.5
5°	5275.2	6005.5	7031.3	9415.1	17550.0	32075.8	55708.2	90536.9	135591.8	186679.6	236297.9
2.5°	5452.8	6299.2	7325.6	9671.7	18561.7	34290.7	60997.0	99799.9	148171.7	201912.5	255897.5
0°	5699.5	6490.2	7505.5	9835.8	18247.0	35678.6	64238.4	104448.6	153684.6	208310.6	264931.8
-2.5°	5893.5	6600.3	7610.4	9703.6	18093.1	35025.9	62775.6	101738.8	148287.3	201071.9	257552.2
-5°	6018.8	6679.3	7656.3	9753.0	17704.9	32531.2	58454.8	94638.7	137296.3	184944.5	237171.9
-7.5°	6092.2	6708.1	7608.6	9442.0	15941.5	29132.7	50764.1	81551.6	119819.0	163910.0	207072.4
-10°	6136.1	6689.4	7509.0	9002.1	13409.1	23675.6	40077.0	66170.3	99326.9	134854.9	170160.1
-12.5°	6152.7	6649.9	7368.5	8372.0	10750.9	18535.1	31902.8	50421.3	75033.6	104177.4	135287.2
-15°	6120.4	6592.5	7232.7	8101.5	9684.2	13894.8	22261.2	34855.9	53201.2	75452.4	97996.1
-17.5°	6000.1	6533.2	7031.7	7698.7	8630.3	10616.0	15708.0	23792.1	34979.4	49687.3	62693.7
-20°	5840.8	6421.3	6848.1	7437.7	8169.2	9078.0	10711.0	15644.7	21917.7	30432.6	38921.6



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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°	5699.0	6230.1	6766.7	7171.4	7744.3	8341.6	9079.1	10490.5	13642.5	17893.7	23275.1
-25°	5568.2	6054.4	6605.0	7042.6	7365.8	7788.1	8250.1	8744.5	9815.2	10819.1	13415.3
-27.5°	5384.0	5887.7	6365.2	6832.3	7143.7	7335.4	7650.2	7957.5	8405.9	8804.7	9567.1
-30°	5169.8	5662.5	6116.9	6541.3	6860.3	7061.9	7218.0	7429.3	7666.6	7908.0	8235.7
-32.5°	4406.2	5398.0	5821.0	6204.2	6533.3	6770.2	6935.5	7074.3	7211.3	7365.8	7538.5
-35°	3569.7	4549.3	5503.8	5802.5	6113.5	6427.3	6672.4	6803.3	6922.5	7030.7	7136.4
-37.5°	2902.3	3593.5	4450.1	5264.3	5642.2	5959.0	6253.6	6482.4	6649.5	6751.0	6846.0
-40°	2641.1	2816.3	3475.1	4145.6	4790.3	5375.6	5675.2	6013.4	6288.2	6437.3	6540.6
-42.5°	2578.6	2659.1	2720.6	3145.3	3658.2	4151.8	4698.0	5240.2	5665.7	5949.3	6160.2
-45°	2441.9	2557.6	2649.4	2687.2	2710.4	3070.3	3493.3	3907.3	4385.1	4878.7	5326.7
-47.5°	2248.1	2398.6	2502.2	2583.3	2631.8	2647.0	2676.8	2769.7	3116.6	3481.3	3828.6
-50°	2031.9	2169.8	2294.0	2406.8	2474.0	2528.4	2580.4	2630.4	2672.7	2726.1	2774.2
-52.5°	1814.2	1940.6	2052.3	2151.3	2240.3	2326.1	2408.7	2470.4	2530.8	2595.5	2648.1
-55°	1620.3	1722.8	1816.4	1903.3	1983.6	2056.1	2130.8	2210.6	2293.1	2373.8	2436.5
-57.5°	1413.1	1511.1	1599.7	1673.4	1738.0	1792.1	1860.7	1935.4	2013.0	2084.9	2139.5
-60°	1204.0	1290.7	1371.8	1443.2	1504.4	1554.9	1618.2	1681.4	1750.7	1812.2	1860.8
-62.5°	1005.5	1078.5	1147.4	1209.8	1265.5	1316.7	1372.9	1429.3	1494.4	1551.7	1598.1
-65°	840.5	897.1	944.3	988.5	1023.0	1067.2	1121.6	1173.7	1230.3	1279.9	1321.3
-67.5°	661.7	714.0	757.2	795.8	826.1	857.8	898.0	939.5	983.4	1022.8	1057.5
-70°	505.6	540.7	568.8	597.6	628.7	658.9	691.1	726.6	763.5	796.0	824.6
-72.5°	390.0	407.4	423.8	447.3	468.1	489.1	509.5	534.9	562.3	587.0	609.3
-75°	322.3	333.0	345.5	356.6	366.3	377.5	388.8	405.3	423.2	440.2	456.2
-77.5°	289.2	296.9	303.2	308.3	312.9	319.7	326.9	339.2	352.5	366.8	381.1
-80°	261.0	267.0	272.3	276.8	280.9	286.5	292.3	303.1	314.5	326.6	338.6
-82.5°	235.1	239.7	244.0	248.1	252.1	256.9	261.6	271.1	280.9	291.0	301.1
-85°	210.6	214.6	218.3	221.7	225.0	229.1	233.2	241.3	249.4	258.0	266.5
-87.5°	189.1	192.8	196.5	199.5	202.5	206.1	209.6	216.7	223.8	231.0	238.2
-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):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	218.7	219.2	219.7	220.2	219.7	219.2	218.7	218.1	211.7	205.2	199.9
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.6	1.1	1.1
85°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.0
82.5°	3.7	3.2	3.7	4.3	3.7	3.2	3.7	4.2	3.7	3.2	3.2
80°	3.8	3.2	3.7	4.3	3.7	3.2	3.8	4.3	3.7	3.2	3.2
77.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	3.3	3.2	3.2
75°	5.3	4.3	3.8	3.2	3.8	4.3	5.3	6.2	6.5	6.6	6.3
72.5°	22.1	22.1	22.5	22.6	22.5	22.1	22.1	21.5	19.7	18.1	16.8
70°	28.0	28.7	28.9	29.0	28.9	28.7	28.0	27.1	25.7	24.6	24.1
67.5°	28.6	28.0	27.5	26.9	27.5	28.0	28.6	28.4	26.7	25.5	24.8
65°	17.9	16.7	14.8	12.9	14.8	16.7	17.9	18.8	19.0	19.4	20.0
62.5°	10.4	10.0	9.8	9.7	9.8	10.0	10.4	10.8	10.9	11.6	12.7
60°	6.1	6.4	6.4	6.4	6.4	6.4	6.1	5.9	5.8	6.2	6.9
57.5°	4.7	5.3	5.8	6.4	5.8	5.3	4.7	4.5	4.3	4.6	5.1
55°	11.0	12.2	12.8	12.9	12.8	12.2	11.0	10.3	9.7	9.5	10.4
52.5°	58.1	55.1	52.5	50.5	52.5	55.1	58.1	60.1	58.6	53.4	46.4
50°	250.8	257.3	260.3	260.0	260.3	257.3	250.8	246.2	236.1	217.3	189.8
47.5°	516.5	520.2	517.2	509.2	517.2	520.2	516.5	505.9	500.9	500.1	493.2
45°	1026.9	982.4	903.4	833.7	903.4	982.4	1026.9	947.0	881.7	825.7	764.8
42.5°	1607.4	1660.7	1700.7	1719.0	1700.7	1660.7	1607.4	1511.1	1438.7	1388.9	1380.3
40°	2017.2	1960.4	1948.9	1957.5	1948.9	1960.4	2017.2	2072.6	2023.4	2051.0	2028.3
37.5°	2422.7	2474.4	2512.7	2450.6	2512.7	2474.4	2422.7	2416.7	2392.6	2348.1	2300.1
35°	2683.9	2867.8	3083.6	3149.0	3083.6	2867.8	2683.9	2592.6	2553.3	2504.1	2466.4
32.5°	3120.9	3315.0	3399.1	3419.7	3399.1	3315.0	3120.9	2897.2	2763.6	2699.9	2659.7
30°	3816.0	4009.9	4044.8	4072.9	4044.8	4009.9	3816.0	3518.6	3209.9	3064.8	2938.4
27.5°	5365.6	5799.3	5902.2	5974.5	5902.2	5799.3	5365.6	4839.1	4045.9	3677.5	3373.9
25°	9850.4	10978.6	11715.4	11644.0	11715.4	10978.6	9850.4	8218.2	6150.7	5191.1	4165.5
22.5°	20764.7	22979.2	24160.8	24139.9	24160.8	22979.2	20764.7	16607.1	12457.8	9124.7	6512.9
20°	42054.6	48607.3	52154.0	51750.0	52154.0	48607.3	42054.6	32375.3	25581.3	17481.1	11898.8
17.5°	73329.8	85985.8	94827.5	95189.8	94827.5	85985.8	73329.8	59157.7	46540.2	32159.7	20695.8
15°	113389.7	132168.0	145424.3	145422.7	145424.3	132168.0	113389.7	93341.8	72136.5	51921.5	34494.2
12.5°	162145.0	184591.2	199758.6	202033.2	199758.6	184591.2	162145.0	133522.8	99721.1	74249.7	50263.8
10°	208937.1	234362.0	257291.7	263605.0	257291.7	234362.0	208937.1	174054.5	135409.1	96588.8	63704.9
7.5°	248542.9	288538.2	309424.9	316003.3	309424.9	288538.2	248542.9	209690.5	164749.2	117972.6	79065.4
5°	287418.4	322037.8	339573.9	344650.7	339573.9	322037.8	287418.4	236297.9	186679.6	135591.8	90536.9
2.5°	307868.2	339645.3	364292.6	378586.7	364292.6	339645.3	307868.2	255897.5	201912.5	148171.7	99799.9
0°	315562.3	345753.0	378807.4	401321.3	378807.4	345753.0	315562.3	264931.8	208310.6	153684.6	104448.6
-2.5°	307866.5	337079.7	361438.7	373298.1	361438.7	337079.7	307866.5	257552.2	201071.9	148287.3	101738.8
-5°	284538.1	318899.4	336634.6	341124.6	336634.6	318899.4	284538.1	237171.9	184944.5	137296.3	94638.7
-7.5°	247279.4	280326.3	302070.8	306968.5	302070.8	280326.3	247279.4	207072.4	163910.0	119819.0	81551.6
-10°	205799.5	234027.1	248696.6	252324.1	248696.6	234027.1	205799.5	170160.1	134854.9	99326.9	66170.3
-12.5°	159910.8	180611.6	195586.1	197618.6	195586.1	180611.6	159910.8	135287.2	104177.4	75033.6	50421.3
-15°	119028.9	132719.4	144791.9	146179.1	144791.9	132719.4	119028.9	97996.1	75452.4	53201.2	34855.9
-17.5°	79743.2	91077.7	97832.6	99781.6	97832.6	91077.7	79743.2	62693.7	49687.3	34979.4	23792.1
-20°	47779.4	55890.0	60391.6	60560.8	60391.6	55890.0	47779.4	38921.6	30432.6	21917.7	15644.7



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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°	27719.2	32232.1	34613.9	34567.7	34613.9	32232.1	27719.2	23275.1	17893.7	13642.5	10490.5
-25°	15986.2	17962.2	18750.7	18778.8	18750.7	17962.2	15986.2	13415.3	10819.1	9815.2	8744.5
-27.5°	10179.1	10632.7	10814.4	10843.6	10814.4	10632.7	10179.1	9567.1	8804.7	8405.9	7957.5
-30°	8534.3	8799.7	8921.7	8955.9	8921.7	8799.7	8534.3	8235.7	7908.0	7666.6	7429.3
-32.5°	7700.6	7846.8	7945.4	7931.0	7945.4	7846.8	7700.6	7538.5	7365.8	7211.3	7074.3
-35°	7239.7	7330.1	7385.5	7412.0	7385.5	7330.1	7239.7	7136.4	7030.7	6922.5	6803.3
-37.5°	6940.7	7021.6	7074.0	7089.7	7074.0	7021.6	6940.7	6846.0	6751.0	6649.5	6482.4
-40°	6629.7	6697.0	6740.1	6755.6	6740.1	6697.0	6629.7	6540.6	6437.3	6288.2	6013.4
-42.5°	6293.9	6366.3	6400.8	6401.1	6400.8	6366.3	6293.9	6160.2	5949.3	5665.7	5240.2
-45°	5694.3	5917.0	6028.5	6033.6	6028.5	5917.0	5694.3	5326.7	4878.7	4385.1	3907.3
-47.5°	4144.5	4364.6	4541.5	4672.4	4541.5	4364.6	4144.5	3828.6	3481.3	3116.6	2769.7
-50°	2816.3	2830.8	2831.7	2819.1	2831.7	2830.8	2816.3	2774.2	2726.1	2672.7	2630.4
-52.5°	2689.2	2704.3	2715.3	2721.4	2715.3	2704.3	2689.2	2648.1	2595.5	2530.8	2470.4
-55°	2482.8	2501.8	2509.6	2506.5	2509.6	2501.8	2482.8	2436.5	2373.8	2293.1	2210.6
-57.5°	2176.1	2188.6	2194.5	2192.8	2194.5	2188.6	2176.1	2139.5	2084.9	2013.0	1935.4
-60°	1890.5	1899.8	1905.2	1904.8	1905.2	1899.8	1890.5	1860.8	1812.2	1750.7	1681.4
-62.5°	1624.2	1632.6	1638.7	1639.5	1638.7	1632.6	1624.2	1598.1	1551.7	1494.4	1429.3
-65°	1342.1	1348.3	1352.4	1351.6	1352.4	1348.3	1342.1	1321.3	1279.9	1230.3	1173.7
-67.5°	1072.8	1077.2	1080.9	1080.8	1080.9	1077.2	1072.8	1057.5	1022.8	983.4	939.5
-70°	833.7	834.2	835.9	834.8	835.9	834.2	833.7	824.6	796.0	763.5	726.6
-72.5°	614.5	614.0	613.6	611.3	613.6	614.0	614.5	609.3	587.0	562.3	534.9
-75°	457.8	456.2	454.7	452.3	454.7	456.2	457.8	456.2	440.2	423.2	405.3
-77.5°	382.8	382.7	380.2	377.1	380.2	382.7	382.8	381.1	366.8	352.5	339.2
-80°	339.3	339.0	337.8	336.3	337.8	339.0	339.3	338.6	326.6	314.5	303.1
-82.5°	302.1	302.6	302.4	301.9	302.4	302.6	302.1	301.1	291.0	280.9	271.1
-85°	267.5	268.4	268.0	267.5	268.0	268.4	267.5	266.5	258.0	249.4	241.3
-87.5°	238.9	239.5	239.6	239.6	239.6	239.5	238.9	238.2	231.0	223.8	216.7
-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°	194.5	190.7	186.9	184.3	181.6	178.4	175.1	170.3	165.5	160.7	155.8
87.5°	1.1	1.1	1.1	1.5	2.0	1.9	1.9	1.9	1.9	2.0	2.1
85°	2.9	2.9	2.8	2.4	2.1	2.1	2.1	2.4	2.7	2.6	2.6
82.5°	3.2	3.2	3.2	3.0	2.8	2.7	2.6	2.9	3.2	3.2	3.2
80°	3.2	3.6	3.9	3.8	3.7	3.6	3.5	3.4	3.3	3.2	3.3
77.5°	3.2	3.5	3.8	4.1	4.3	4.4	4.4	4.3	4.2	4.4	4.4
75°	6.2	6.6	6.5	6.0	5.7	5.4	5.3	5.1	5.0	5.2	5.4
72.5°	15.8	15.4	14.9	13.5	12.1	12.2	11.8	10.7	8.9	6.7	5.4
70°	24.3	24.8	25.5	26.5	26.5	25.5	23.1	20.4	17.4	14.4	11.1
67.5°	26.3	29.0	31.4	33.4	33.9	34.3	33.3	31.7	31.2	28.5	20.6
65°	22.8	26.9	29.9	31.8	32.5	34.6	37.6	38.1	41.2	41.7	34.1
62.5°	15.6	19.4	22.0	24.6	26.0	28.5	33.8	39.3	47.2	50.5	43.6
60°	9.0	10.9	14.1	16.9	18.8	22.9	29.5	38.2	48.6	49.9	48.1
57.5°	6.9	8.5	10.8	13.4	14.3	19.0	25.6	35.9	46.4	48.4	45.5
55°	11.5	13.1	14.4	17.3	19.3	23.1	26.4	34.9	45.1	49.3	49.6
52.5°	35.0	42.4	42.3	34.0	35.2	40.1	37.3	44.0	50.7	56.4	58.6
50°	175.4	174.4	150.7	121.7	127.0	95.5	96.2	84.9	75.4	78.2	75.1
47.5°	464.8	426.8	389.3	359.2	320.8	284.2	255.5	201.8	185.6	131.6	130.2
45°	738.5	709.3	674.3	617.4	577.0	521.9	481.0	427.3	363.3	309.2	220.3
42.5°	1320.2	1075.4	915.4	855.6	773.4	716.3	671.6	625.4	577.8	509.8	427.1
40°	1976.6	1914.6	1570.8	1187.5	1007.7	880.8	822.1	781.7	757.2	705.0	626.1
37.5°	2260.5	2194.7	2101.1	1919.4	1427.5	1141.9	1004.4	925.8	919.6	871.3	801.4
35°	2417.7	2369.3	2321.9	2203.1	1940.4	1690.1	1306.9	1123.5	1034.7	1013.9	956.6
32.5°	2613.3	2568.2	2506.4	2444.5	2379.6	2354.4	1927.9	1479.2	1178.7	1119.9	1069.3
30°	2844.7	2805.5	2731.6	2675.1	2669.2	2646.5	2553.4	2006.8	1520.8	1212.1	1177.1
27.5°	3246.0	3083.9	2996.5	2970.2	2963.8	2950.5	2886.5	2628.9	1926.2	1469.3	1269.1
25°	3895.6	3578.6	3423.7	3383.7	3385.8	3337.5	3292.0	3079.2	2555.4	1780.7	1364.3
22.5°	4950.7	4394.6	4112.7	3977.0	3885.1	3816.5	3678.9	3480.2	3208.2	2227.1	1630.4
20°	7224.3	5487.0	4902.0	4573.9	4317.4	4132.9	3947.8	3765.0	3459.1	2769.1	1911.0
17.5°	12758.8	7665.4	5701.2	5150.0	4754.5	4428.1	4218.9	3985.3	3684.1	3198.5	2147.7
15°	20051.9	11555.4	7362.5	5822.5	5257.8	4820.8	4572.6	4274.5	3956.4	3465.2	2494.9
12.5°	30465.1	16784.9	8932.0	6404.3	5675.0	5155.4	4813.4	4568.5	4224.7	3743.5	2915.7
10°	38996.4	22557.1	12201.5	7618.2	6106.0	5400.4	4991.4	4727.3	4415.6	3998.1	3308.9
7.5°	49033.3	28078.3	15022.4	8483.0	6577.6	5691.7	5140.9	4839.2	4541.7	4098.1	3524.1
5°	55708.2	32075.8	17550.0	9415.1	7031.3	6005.5	5275.2	4919.9	4604.7	4129.7	3668.8
2.5°	60997.0	34290.7	18561.7	9671.7	7325.6	6299.2	5452.8	5020.1	4649.5	4168.0	3779.1
0°	64238.4	35678.6	18247.0	9835.8	7505.5	6490.2	5699.5	5131.2	4669.2	4192.2	3838.7
-2.5°	62775.6	35025.9	18093.1	9703.6	7610.4	6600.3	5893.5	5380.7	4777.6	4227.4	3864.2
-5°	58454.8	32531.2	17704.9	9753.0	7656.3	6679.3	6018.8	5539.1	4877.7	4269.4	3840.4
-7.5°	50764.1	29132.7	15941.5	9442.0	7608.6	6708.1	6092.2	5618.9	5003.3	4401.0	3813.1
-10°	40077.0	23675.6	13409.1	9002.1	7509.0	6689.4	6136.1	5625.5	5051.2	4496.2	3720.5
-12.5°	31902.8	18535.1	10750.9	8372.0	7368.5	6649.9	6152.7	5584.8	5069.2	4583.8	3609.4
-15°	22261.2	13894.8	9684.2	8101.5	7232.7	6592.5	6120.4	5508.3	5050.3	4622.9	3403.2
-17.5°	15708.0	10616.0	8630.3	7698.7	7031.7	6533.2	6000.1	5450.0	4992.0	4412.7	3085.4
-20°	10711.0	9078.0	8169.2	7437.7	6848.1	6421.3	5840.8	5363.4	4877.5	3972.4	2852.9



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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°	9079.1	8341.6	7744.3	7171.4	6766.7	6230.1	5699.0	5232.9	4709.6	3473.4	2596.6
-25°	8250.1	7788.1	7365.8	7042.6	6605.0	6054.4	5568.2	5025.6	4140.9	3061.0	2360.5
-27.5°	7650.2	7335.4	7143.7	6832.3	6365.2	5887.7	5384.0	4710.7	3490.7	2725.7	2367.2
-30°	7218.0	7061.9	6860.3	6541.3	6116.9	5662.5	5169.8	4027.8	3046.9	2463.3	2358.6
-32.5°	6935.5	6770.2	6533.3	6204.2	5821.0	5398.0	4406.2	3384.9	2637.8	2446.7	2303.1
-35°	6672.4	6427.3	6113.5	5802.5	5503.8	4549.3	3569.7	2834.4	2530.7	2407.6	2227.5
-37.5°	6253.6	5959.0	5642.2	5264.3	4450.1	3593.5	2902.3	2599.2	2491.7	2321.5	2115.1
-40°	5675.2	5375.6	4790.3	4145.6	3475.1	2816.3	2641.1	2557.6	2393.7	2206.8	1979.4
-42.5°	4698.0	4151.8	3658.2	3145.3	2720.6	2659.1	2578.6	2436.7	2263.9	2050.8	1836.4
-45°	3493.3	3070.3	2710.4	2687.2	2649.4	2557.6	2441.9	2277.9	2088.8	1887.7	1684.9
-47.5°	2676.8	2647.0	2631.8	2583.3	2502.2	2398.6	2248.1	2086.2	1903.6	1718.9	1545.4
-50°	2580.4	2528.4	2474.0	2406.8	2294.0	2169.8	2031.9	1879.8	1719.1	1564.2	1400.5
-52.5°	2408.7	2326.1	2240.3	2151.3	2052.3	1940.6	1814.2	1688.4	1552.5	1401.7	1250.2
-55°	2130.8	2056.1	1983.6	1903.3	1816.4	1722.8	1620.3	1501.3	1367.7	1229.0	1100.3
-57.5°	1860.7	1792.1	1738.0	1673.4	1599.7	1511.1	1413.1	1297.2	1179.4	1063.3	951.2
-60°	1618.2	1554.9	1504.4	1443.2	1371.8	1290.7	1204.0	1105.7	999.0	912.6	827.9
-62.5°	1372.9	1316.7	1265.5	1209.8	1147.4	1078.5	1005.5	935.2	855.8	776.8	694.5
-65°	1121.6	1067.2	1023.0	988.5	944.3	897.1	840.5	778.0	704.2	631.7	556.2
-67.5°	898.0	857.8	826.1	795.8	757.2	714.0	661.7	605.8	552.1	498.8	439.7
-70°	691.1	658.9	628.7	597.6	568.8	540.7	505.6	465.5	420.5	385.1	353.1
-72.5°	509.5	489.1	468.1	447.3	423.8	407.4	390.0	368.4	343.8	316.5	293.0
-75°	388.8	377.5	366.3	356.6	345.5	333.0	322.3	310.0	296.9	282.3	267.7
-77.5°	326.9	319.7	312.9	308.3	303.2	296.9	289.2	279.2	268.9	256.8	244.8
-80°	292.3	286.5	280.9	276.8	272.3	267.0	261.0	252.6	243.7	233.5	223.4
-82.5°	261.6	256.9	252.1	248.1	244.0	239.7	235.1	227.8	220.2	211.5	202.8
-85°	233.2	229.1	225.0	221.7	218.3	214.6	210.6	204.2	197.8	190.5	183.2
-87.5°	209.6	206.1	202.5	199.5	196.5	192.8	189.1	183.9	178.5	172.8	167.1
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.6	2.1



REPORT NUMBER: P1305604 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	149.4	142.9	138.1	133.2	127.9	122.5	116.6	110.7	103.2	95.6	86.5
87.5°	2.1	2.1	2.4	2.7	2.7	2.6	2.6	2.6	2.7	2.9	3.1
85°	2.5	2.4	2.8	3.2	3.2	3.2	3.1	3.0	3.4	3.6	3.6
82.5°	3.2	3.1	3.1	3.2	3.6	3.7	3.6	3.5	3.9	4.3	4.1
80°	3.6	3.8	3.7	3.6	3.9	4.3	4.1	4.0	4.4	4.7	4.6
77.5°	4.4	4.5	4.3	4.2	4.2	4.4	4.5	4.5	4.8	5.1	5.1
75°	5.4	5.0	4.5	4.5	4.6	4.5	4.8	5.1	5.5	5.6	5.6
72.5°	5.4	5.4	4.9	4.8	5.4	5.6	5.6	5.7	6.2	6.5	6.3
70°	8.1	6.3	5.9	6.1	6.5	6.9	7.0	7.2	7.0	7.4	7.4
67.5°	13.0	10.8	8.9	7.8	7.8	8.3	8.5	9.0	8.9	8.5	8.6
65°	25.0	18.1	12.7	11.2	9.9	9.8	10.1	10.9	11.0	10.7	9.8
62.5°	35.8	27.8	21.3	16.0	13.4	13.3	11.9	13.2	13.2	13.1	11.9
60°	45.6	37.2	30.8	25.3	20.4	18.0	17.0	15.7	16.0	15.7	14.4
57.5°	45.9	45.3	42.4	35.8	31.3	26.2	23.5	21.3	19.3	19.1	17.0
55°	46.7	47.3	53.0	49.1	44.4	37.6	32.8	28.8	24.2	22.9	19.8
52.5°	55.8	57.4	61.9	64.9	61.4	51.9	46.9	37.0	33.3	27.1	23.8
50°	71.6	77.2	77.8	83.3	80.5	74.2	62.1	52.1	43.3	33.2	28.1
47.5°	111.7	116.8	107.0	109.6	104.6	100.0	85.4	70.2	54.1	43.2	32.5
45°	212.5	182.8	165.6	151.4	138.4	133.0	113.4	90.2	72.5	53.8	37.1
42.5°	344.4	299.9	265.2	201.4	194.0	171.8	147.2	120.8	92.5	64.8	44.7
40°	530.4	445.4	386.5	318.6	262.6	215.8	190.7	155.4	113.7	78.7	54.6
37.5°	705.6	597.0	522.1	439.6	349.0	287.6	238.6	192.4	139.0	98.2	64.8
35°	846.5	738.6	637.2	552.0	460.3	359.6	290.0	233.8	171.5	118.4	75.1
32.5°	974.3	859.6	744.6	648.6	549.0	429.9	350.0	274.9	204.3	139.4	85.9
30°	1087.4	977.8	846.9	728.0	622.1	503.4	406.8	313.3	237.1	161.0	98.4
27.5°	1210.9	1100.4	950.7	814.2	686.4	567.4	452.1	349.0	269.8	182.9	114.8
25°	1327.1	1214.6	1066.2	910.9	751.4	618.4	494.3	382.3	300.5	205.1	130.3
22.5°	1404.9	1310.9	1172.4	1013.3	823.1	668.1	535.5	418.5	321.3	225.4	144.9
20°	1467.7	1395.4	1266.1	1090.7	901.0	726.9	576.8	447.8	340.7	243.7	158.4
17.5°	1557.2	1463.8	1332.7	1155.9	972.5	786.2	616.6	475.2	358.4	260.2	171.0
15°	1777.2	1523.6	1397.4	1217.0	1027.7	836.7	655.4	501.2	374.5	274.7	182.3
12.5°	2005.3	1581.7	1460.0	1270.1	1068.4	880.0	692.6	525.5	389.0	289.5	192.3
10°	2219.5	1632.3	1518.2	1318.4	1103.7	916.3	727.6	552.0	410.5	304.7	201.4
7.5°	2400.7	1678.4	1573.0	1362.1	1135.7	949.1	763.0	585.2	432.3	318.6	209.4
5°	2553.6	1720.8	1626.2	1416.1	1173.5	979.4	794.2	615.9	452.6	331.2	216.3
2.5°	2657.7	1759.3	1674.1	1466.4	1206.6	1004.6	820.9	643.7	471.3	342.1	222.1
0°	2726.7	1794.2	1714.7	1509.5	1234.4	1024.9	843.4	668.3	487.8	351.3	226.7
-2.5°	2748.4	1830.6	1748.1	1546.1	1278.8	1052.0	859.8	679.7	499.0	361.6	234.4
-5°	2732.9	1864.2	1775.2	1575.2	1316.1	1073.7	872.0	687.5	507.8	369.9	240.8
-7.5°	2686.3	1902.0	1797.8	1596.9	1344.7	1089.3	879.6	691.7	514.0	375.9	245.8
-10°	2606.7	1939.9	1816.0	1605.0	1349.1	1097.4	883.1	692.2	517.9	379.7	249.2
-12.5°	2506.5	1974.6	1827.2	1603.6	1343.8	1099.1	886.2	690.6	519.0	381.1	251.1
-15°	2378.3	2018.4	1841.6	1593.6	1331.9	1095.7	883.4	685.3	515.8	378.8	251.2
-17.5°	2210.4	2059.2	1850.8	1580.8	1315.5	1087.3	874.5	675.2	509.7	372.7	249.0
-20°	2206.1	2076.9	1845.9	1556.2	1292.1	1072.1	859.3	660.1	500.7	364.3	244.8



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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°	2236.9	2069.6	1816.8	1523.5	1264.2	1050.6	839.2	640.3	488.7	353.8	239.0
-25°	2253.9	2055.6	1776.2	1488.2	1235.5	1023.2	815.6	619.5	473.8	341.0	231.8
-27.5°	2226.4	2014.3	1723.3	1441.2	1202.8	990.6	788.5	604.7	460.3	326.1	223.1
-30°	2179.3	1936.2	1658.4	1386.6	1160.4	953.0	756.4	586.7	445.4	314.0	212.9
-32.5°	2109.2	1852.2	1585.2	1334.4	1112.2	909.6	720.0	565.3	428.0	303.6	206.2
-35°	1998.7	1757.5	1506.8	1275.5	1058.8	865.4	685.3	540.3	408.2	290.6	200.5
-37.5°	1879.3	1648.8	1434.3	1211.5	1002.9	817.1	654.7	514.0	386.1	274.9	194.1
-40°	1754.2	1539.0	1340.9	1142.5	945.3	765.1	619.7	484.3	364.5	256.4	186.3
-42.5°	1623.1	1431.6	1244.4	1062.1	882.6	721.3	580.4	449.9	338.6	242.6	177.2
-45°	1500.6	1319.0	1142.4	977.1	815.8	672.4	536.8	412.0	309.8	230.6	170.3
-47.5°	1371.6	1202.0	1039.9	886.5	754.7	618.0	487.8	376.8	278.9	216.9	167.6
-50°	1238.7	1083.1	935.6	804.3	683.7	557.5	436.7	338.8	260.4	200.7	164.3
-52.5°	1104.1	963.4	838.0	722.8	607.1	491.7	389.3	299.5	240.6	191.8	160.4
-55°	968.1	853.9	745.4	635.3	526.1	430.2	338.1	274.6	219.3	185.9	156.0
-57.5°	851.5	750.4	645.6	542.5	451.7	367.6	299.9	248.4	208.7	179.5	153.0
-60°	735.9	636.6	539.8	458.6	381.2	316.9	269.4	226.6	200.8	173.1	149.4
-62.5°	606.8	521.3	449.3	378.7	324.9	280.2	241.2	215.9	192.1	167.9	145.2
-65°	489.1	423.6	362.3	321.9	281.7	248.0	227.5	204.3	184.2	162.3	140.6
-67.5°	380.6	345.2	309.5	273.1	251.1	232.5	213.1	194.7	176.4	156.2	136.0
-70°	320.0	287.8	266.8	250.4	234.0	217.2	201.9	185.8	168.4	150.3	131.1
-72.5°	276.9	261.5	246.4	231.5	218.3	204.7	191.1	176.6	160.5	144.0	125.9
-75°	253.4	240.4	227.9	215.6	203.7	191.8	179.9	166.8	152.3	137.4	120.3
-77.5°	233.2	221.6	210.4	199.9	189.9	179.7	168.6	156.7	143.7	130.3	114.4
-80°	213.3	203.4	194.2	185.2	176.5	167.5	157.0	146.6	134.8	122.7	108.3
-82.5°	194.0	185.4	177.8	170.0	162.1	154.1	145.2	136.3	125.6	114.9	102.4
-85°	175.5	167.8	161.1	154.3	147.4	140.5	133.7	126.7	117.7	108.6	97.2
-87.5°	160.5	153.9	148.5	143.0	137.3	131.5	125.2	118.8	110.5	102.2	91.9
-90°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.7



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	77.4	65.0	52.6	38.1	23.6	13.4	3.2
87.5°	3.5	3.6	3.6	3.5	3.4	3.5	3.2
85°	3.8	3.9	4.0	3.8	3.6	3.7	3.2
82.5°	4.1	4.3	4.3	4.1	3.8	4.0	3.2
80°	4.4	4.7	4.7	4.3	4.0	4.2	3.2
77.5°	5.0	5.1	5.1	4.6	4.2	4.5	3.2
75°	5.6	5.7	5.5	4.9	4.5	4.8	3.2
72.5°	6.2	6.3	6.1	5.2	4.7	5.0	3.2
70°	6.9	7.0	6.7	5.5	5.0	5.3	3.2
67.5°	8.3	7.6	7.3	6.1	5.3	5.6	3.2
65°	9.6	8.7	8.0	6.8	5.6	5.9	3.2
62.5°	11.1	10.1	8.7	7.4	6.0	6.1	3.2
60°	12.6	11.6	9.4	8.1	6.4	6.4	3.2
57.5°	15.0	13.1	10.8	8.8	7.1	6.7	3.2
55°	17.6	14.7	12.3	9.5	7.9	7.0	3.2
52.5°	20.1	16.4	13.9	10.2	8.6	7.3	3.2
50°	22.8	18.9	15.4	10.9	9.4	7.6	3.2
47.5°	25.6	21.4	17.0	11.7	10.2	7.9	3.2
45°	29.6	24.0	18.7	13.0	11.0	8.2	3.2
42.5°	33.7	26.7	20.3	14.2	11.9	8.5	3.2
40°	38.1	29.4	22.2	15.8	12.7	8.8	3.2
37.5°	43.0	32.3	24.4	17.6	13.6	9.1	3.2
35°	47.9	35.9	26.6	19.3	14.4	9.4	3.2
32.5°	54.2	39.8	28.8	21.1	15.3	9.7	3.2
30°	63.1	43.8	31.0	22.9	16.2	10.0	3.2
27.5°	71.9	47.7	33.8	24.7	17.1	10.3	3.2
25°	80.5	51.6	36.6	26.5	18.0	10.6	3.2
22.5°	89.0	55.6	39.3	28.2	18.8	10.8	3.2
20°	97.2	59.7	42.0	29.9	19.7	11.1	3.2
17.5°	104.7	63.5	44.6	31.6	20.6	11.4	3.2
15°	111.7	67.2	47.2	33.3	21.4	11.6	3.2
12.5°	118.2	70.7	49.6	34.9	22.2	11.9	3.2
10°	124.1	74.0	52.0	36.4	23.0	12.1	3.2
7.5°	129.4	77.1	54.2	37.9	23.8	12.3	3.2
5°	134.2	79.9	56.3	39.3	24.5	12.5	3.2
2.5°	138.3	82.5	58.3	40.7	25.2	12.7	3.2
0°	141.8	84.9	60.2	41.9	25.8	12.9	3.2
-2.5°	146.4	88.5	62.9	43.8	26.9	13.4	3.2
-5°	150.2	91.8	65.4	45.5	28.0	13.9	3.2
-7.5°	153.4	94.8	67.7	47.2	29.1	14.4	3.2
-10°	155.8	97.6	69.9	48.7	30.1	14.9	3.2
-12.5°	157.4	100.1	72.0	50.2	31.0	15.3	3.2
-15°	158.3	102.2	73.8	51.5	31.8	15.7	3.2
-17.5°	158.4	104.1	75.4	52.7	32.6	16.1	3.2
-20°	157.9	105.6	76.9	53.7	33.3	16.5	3.2



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	156.6	106.8	78.1	54.6	34.0	16.8	3.2
-25°	154.6	107.9	79.1	55.4	34.6	17.1	3.2
-27.5°	151.7	108.8	79.9	56.1	35.1	17.4	3.2
-30°	148.0	109.3	80.5	56.6	35.5	17.6	3.2
-32.5°	143.5	109.6	81.3	56.9	35.8	17.8	3.2
-35°	141.9	109.5	81.9	57.1	36.1	18.0	3.2
-37.5°	141.4	109.5	82.3	57.2	36.3	18.1	3.2
-40°	140.6	109.7	82.5	57.1	36.4	18.2	3.2
-42.5°	139.4	109.6	82.5	57.0	36.4	18.3	3.2
-45°	137.6	109.3	82.4	56.9	36.3	18.3	3.2
-47.5°	135.4	108.7	82.1	56.7	36.2	18.3	3.2
-50°	133.9	107.9	81.5	56.5	36.0	18.3	3.2
-52.5°	132.2	106.8	80.7	56.3	35.7	18.2	3.2
-55°	130.1	105.2	79.7	55.9	35.3	18.1	3.2
-57.5°	127.7	103.3	78.4	55.4	34.8	18.0	3.2
-60°	124.9	101.2	77.0	54.8	34.3	17.8	3.2
-62.5°	122.0	98.8	75.8	54.0	33.8	17.6	3.2
-65°	118.7	96.2	74.5	53.0	33.2	17.4	3.2
-67.5°	115.2	93.5	72.9	52.0	32.5	17.1	3.2
-70°	111.4	90.9	71.2	50.8	31.8	16.8	3.2
-72.5°	107.5	88.0	69.3	49.6	31.0	16.5	3.2
-75°	103.3	84.9	67.2	48.2	30.1	16.1	3.2
-77.5°	98.8	81.6	65.1	46.8	29.1	15.7	3.2
-80°	94.0	78.4	62.9	45.3	28.1	15.3	3.2
-82.5°	90.0	75.3	60.5	43.6	27.1	14.9	3.2
-85°	86.0	72.0	58.0	41.9	26.0	14.4	3.2
-87.5°	81.8	68.5	55.4	40.0	24.8	13.9	3.2
-90°	3.2	3.2	3.2	3.2	3.2	3.2	3.2

(END OF REPORT)