

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: P1305628 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-40-80-3S-VHE-A**

Issue Date: 2/3/2026

Test Information

Test Method: LM-79-08
Report Number: P1305628 (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-40-80-3S-VHE-A
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 3S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

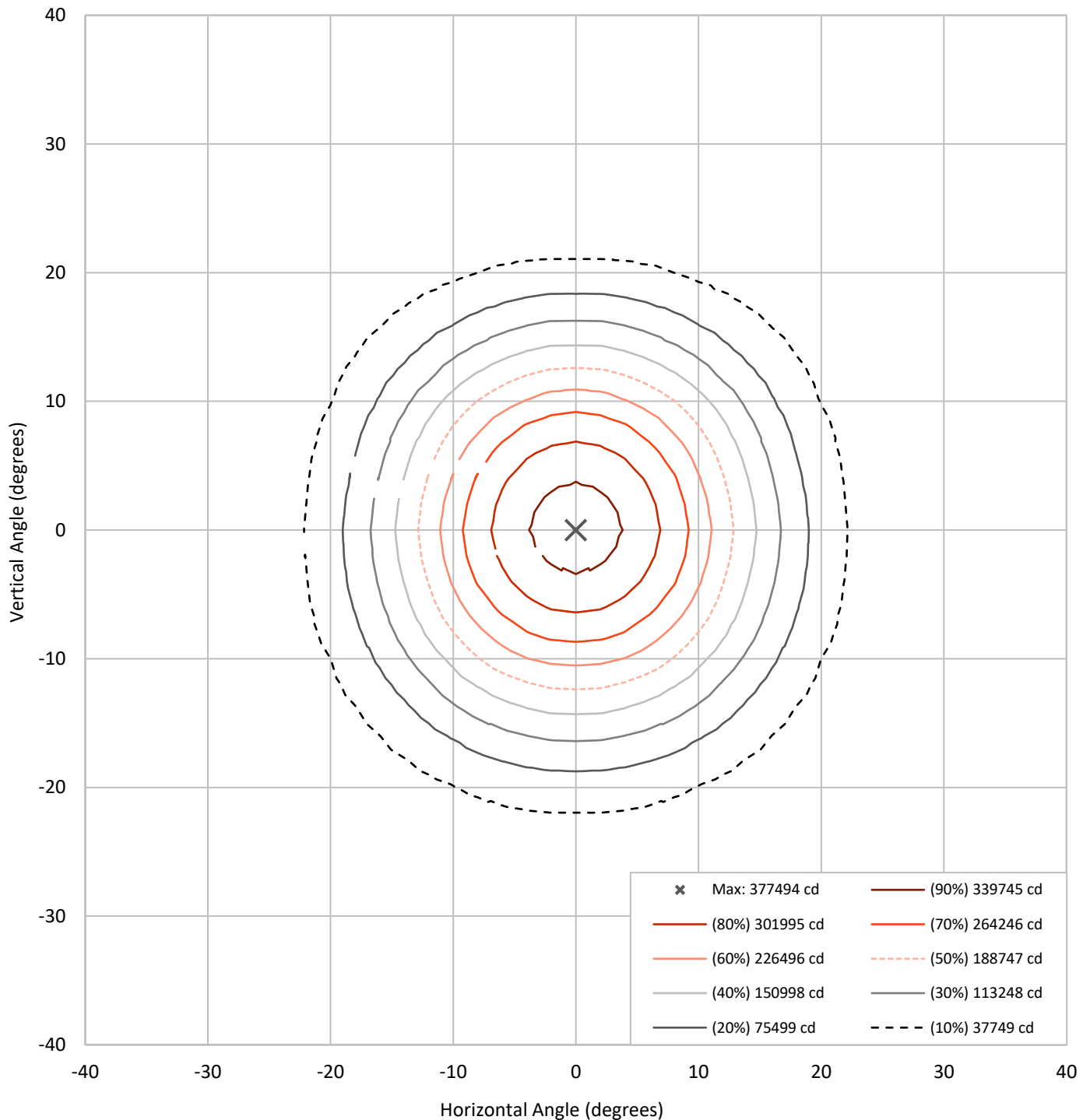
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	84811.7 lumens	Max Intensity:	377494 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	130.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	25.7°H x 24.9°V	Field Angle (10%):	44.2°H x 43°V
Beam Lumens:	40578.8 lumens	Field Lumens:	71104.1 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





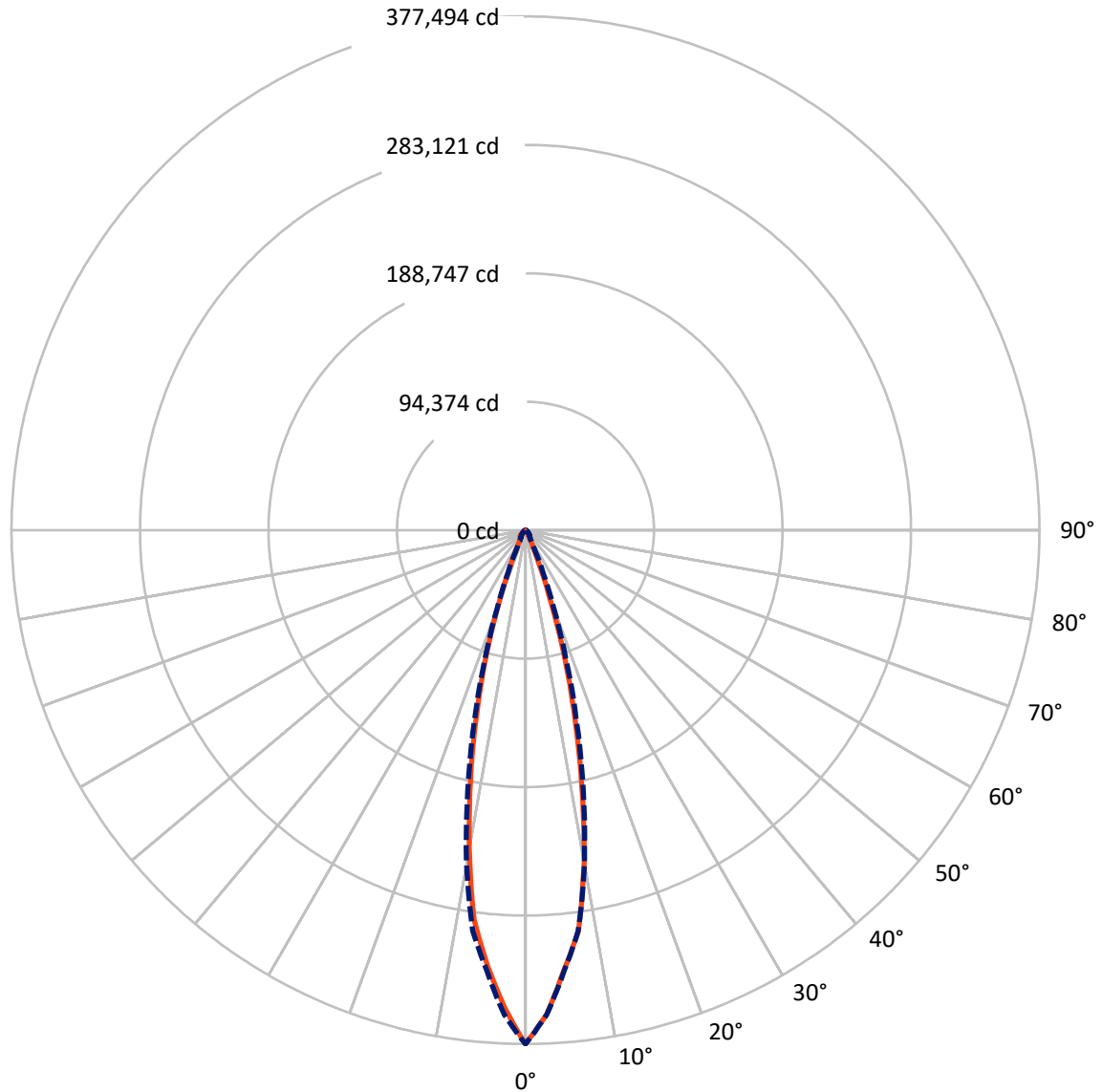
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Lumen Table

90																			
80	0.2	0.7		1.3		2.0		2.4		2.0		1.3		0.7		0.2			
70	0.2	0.1	0.2	0.6	0.8	0.7	0.5	0.5	0.5	0.5	0.7	0.8	0.6	0.2	0.1	0.2			
60		0.4	0.8	1.1	0.9	0.9	1.2	1.4	1.4	1.2	0.9	0.9	1.1	0.8	0.4				
50	0.8	1.2	2.8	5.9	11.0	18.7	26.6	30.2	30.2	26.6	18.7	11.0	5.9	2.8	1.2	0.8			
40		2.9	9.0	18.6	35.0	58.0	70.1	82.2	82.2	70.1	58.0	35.0	18.6	9.0	2.9				
30	2.0	4.9	15.1	33.2	74.4	95.7	206.6	451.9	451.9	206.6	95.7	74.4	33.2	15.1	4.9	2.0			
20		6.5	19.9	54.0	106.7	258.1	1554.5	3758.1	3758.1	1554.5	258.1	106.7	54.0	19.9	6.5				
10	2.8	7.8	23.1	68.8	129.3	572.8	3775.5	8599.6	8599.6	3775.5	572.8	129.3	68.8	23.1	7.8	2.8			
0		8.7	25.4	72.8	143.2	590.4	3798.4	8510.3	8510.3	3798.4	590.4	143.2	72.8	25.4	8.7				
-10	3.1	8.7	26.2	70.3	142.7	316.5	1620.9	3793.1	3793.1	1620.9	316.5	142.7	70.3	26.2	8.7	3.1			
-20		8.1	25.0	55.6	128.4	193.9	336.0	638.9	638.9	336.0	193.9	128.4	55.6	25.0	8.1				
-30	2.6	6.9	21.4	44.4	88.7	155.1	191.4	212.5	212.5	191.4	155.1	88.7	44.4	21.4	6.9	2.6			
-40		5.3	16.3	34.5	56.2	82.9	121.5	151.4	151.4	121.5	82.9	56.2	34.5	16.3	5.3				
-50	2.2	3.6	10.6	22.5	37.8	51.5	62.5	69.3	69.3	62.5	51.5	37.8	22.5	10.6	3.6	2.2			
-60		2.5	5.6	11.6	19.7	27.1	34.2	38.6	38.6	34.2	27.1	19.7	11.6	5.6	2.5				
-70																			
-80	1.5	9.3		21.5		35.0		43.0		35.0		21.5		9.3		1.5			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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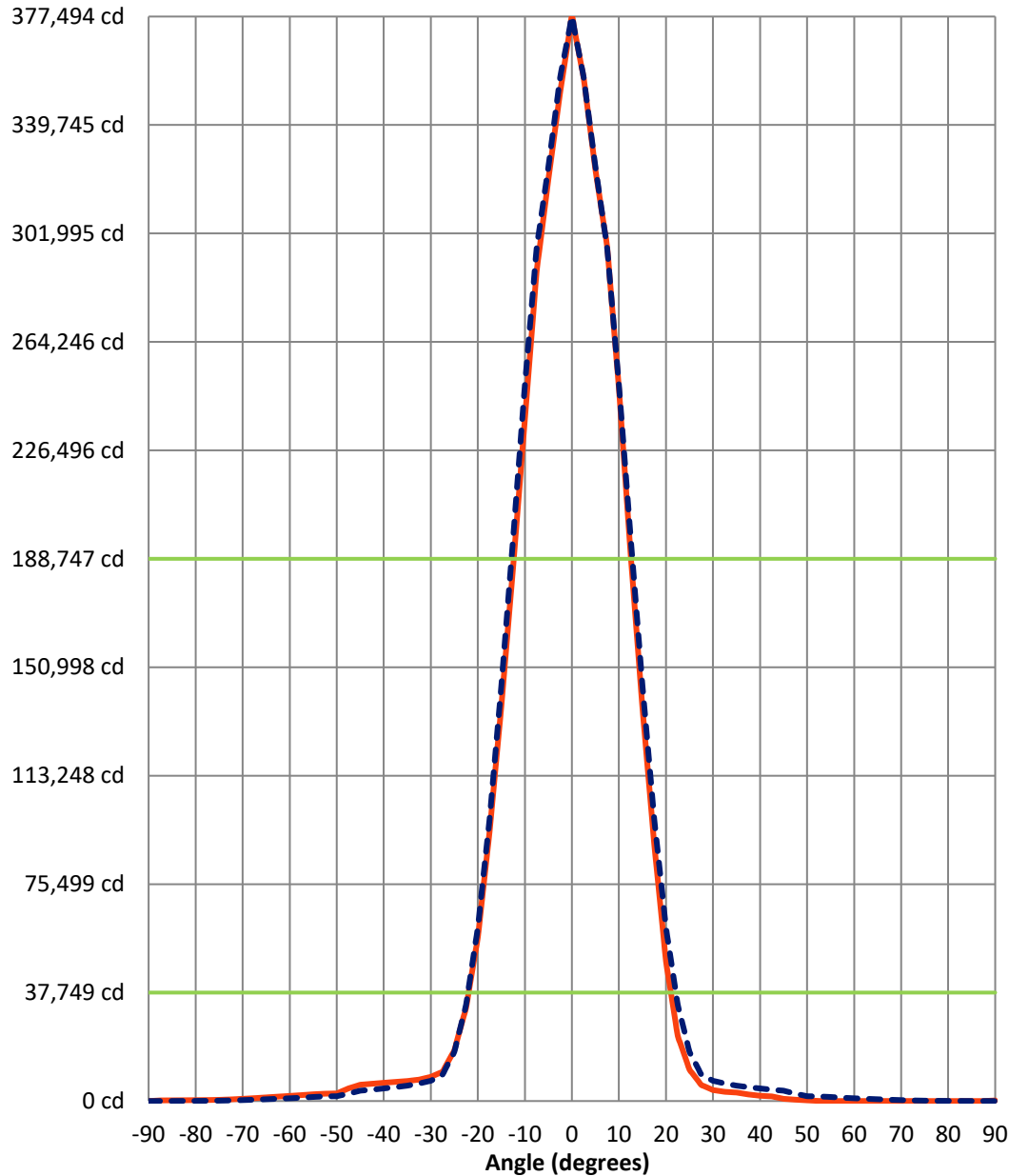
Luminous Intensity Polar Plot



— 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: 40578.8
Efficiency: 47.8%

Field:
H Angle: 44.2°
V Angle: 43°
Lumens: 71104.1
Efficiency: 83.8%

Spill:
Lumens: 13707.5
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°	3.0	12.6	22.2	35.8	49.5	61.1	72.8	81.4	89.9	97.0	104.1
87.5°	3.0	3.2	3.2	3.3	3.4	3.3	3.3	3.0	2.7	2.6	2.4
85°	3.0	3.5	3.4	3.5	3.7	3.7	3.5	3.4	3.4	3.2	2.9
82.5°	3.0	3.7	3.6	3.8	4.1	4.0	3.8	3.9	4.0	3.7	3.3
80°	3.0	4.0	3.8	4.1	4.5	4.4	4.1	4.3	4.4	4.1	3.8
77.5°	3.0	4.2	4.0	4.4	4.8	4.8	4.7	4.8	4.8	4.6	4.2
75°	3.0	4.5	4.2	4.6	5.2	5.4	5.3	5.3	5.3	5.2	4.8
72.5°	3.0	4.7	4.5	4.9	5.7	6.0	5.9	6.0	6.1	5.9	5.4
70°	3.0	5.0	4.7	5.2	6.3	6.6	6.6	7.0	7.0	6.6	6.8
67.5°	3.0	5.2	5.0	5.8	6.9	7.2	7.8	8.1	8.0	8.4	8.4
65°	3.0	5.5	5.3	6.4	7.5	8.2	9.1	9.2	10.1	10.3	10.3
62.5°	3.0	5.8	5.7	7.0	8.2	9.5	10.5	11.2	12.4	12.4	12.4
60°	3.0	6.0	6.0	7.6	8.9	10.9	11.9	13.6	14.8	15.1	14.8
57.5°	3.0	6.3	6.7	8.3	10.2	12.4	14.2	16.1	17.9	18.2	20.1
55°	3.0	6.6	7.4	8.9	11.6	13.9	16.6	18.7	21.6	22.8	27.1
52.5°	3.0	6.8	8.1	9.6	13.1	15.5	19.0	22.4	25.5	31.4	34.8
50°	3.0	7.1	8.9	10.2	14.5	17.8	21.4	26.4	31.2	40.7	49.0
47.5°	3.0	7.4	9.6	11.0	16.0	20.1	24.1	30.6	40.7	50.8	66.0
45°	3.0	7.7	10.4	12.2	17.6	22.6	27.8	34.9	50.6	68.2	84.8
42.5°	3.0	8.0	11.2	13.4	19.1	25.1	31.7	42.1	60.9	86.9	113.6
40°	3.0	8.2	12.0	14.8	20.9	27.7	35.8	51.4	74.0	106.9	146.1
37.5°	3.0	8.5	12.8	16.5	23.0	30.3	40.4	60.9	92.3	130.7	181.0
35°	3.0	8.8	13.6	18.2	25.0	33.7	45.1	70.6	111.4	161.3	219.9
32.5°	3.0	9.1	14.4	19.9	27.1	37.4	50.9	80.8	131.1	192.1	258.6
30°	3.0	9.4	15.2	21.6	29.1	41.1	59.3	92.6	151.4	223.0	294.7
27.5°	3.0	9.6	16.1	23.2	31.7	44.8	67.6	108.0	172.0	253.8	328.3
25°	3.0	9.9	16.9	24.9	34.4	48.5	75.7	122.6	192.9	282.7	359.6
22.5°	3.0	10.2	17.7	26.5	37.0	52.2	83.7	136.3	212.0	302.3	393.7
20°	3.0	10.4	18.6	28.2	39.5	56.1	91.4	149.0	229.3	320.4	421.2
17.5°	3.0	10.7	19.4	29.7	42.0	59.7	98.5	160.8	244.7	337.2	447.0
15°	3.0	10.9	20.2	31.3	44.3	63.2	105.1	171.5	258.4	352.3	471.5
12.5°	3.0	11.1	20.9	32.8	46.6	66.5	111.2	180.9	272.3	365.9	494.3
10°	3.0	11.4	21.7	34.3	48.9	69.5	116.7	189.4	286.6	386.2	519.2
7.5°	3.0	11.6	22.4	35.6	51.0	72.4	121.8	196.9	299.7	406.6	550.4
5°	3.0	11.8	23.1	37.0	53.0	75.1	126.2	203.4	311.5	425.8	579.3
2.5°	3.0	11.9	23.7	38.2	54.8	77.6	130.1	208.8	321.9	443.3	605.5
0°	3.0	12.1	24.3	39.4	56.6	79.8	133.4	213.2	330.5	458.8	628.6
-2.5°	3.0	12.6	25.4	41.2	59.1	83.2	137.7	220.5	340.2	469.4	639.3
-5°	3.0	13.1	26.4	42.8	61.5	86.3	141.3	226.5	348.0	477.6	646.7
-7.5°	3.0	13.5	27.4	44.4	63.7	89.2	144.3	231.2	353.7	483.5	650.6
-10°	3.0	14.0	28.3	45.8	65.8	91.8	146.6	234.5	357.2	487.1	651.1
-12.5°	3.0	14.4	29.2	47.2	67.7	94.1	148.2	236.2	358.5	488.2	649.6
-15°	3.0	14.8	30.0	48.4	69.4	96.2	149.0	236.4	356.4	485.2	644.6
-17.5°	3.0	15.2	30.7	49.5	70.9	97.9	149.1	234.3	350.6	479.4	635.1
-20°	3.0	15.5	31.4	50.5	72.3	99.4	148.5	230.3	342.7	471.0	620.9



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 CATALOG NUMBER: EPH-08-640L-40-80-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.0	15.8	32.0	51.4	73.5	100.5	147.4	224.9	332.8	459.7	602.3
-25°	3.0	16.1	32.5	52.1	74.4	101.5	145.4	218.1	320.8	445.7	582.7
-27.5°	3.0	16.3	33.0	52.8	75.2	102.3	142.7	209.9	306.8	433.0	568.8
-30°	3.0	16.6	33.4	53.2	75.8	102.9	139.3	200.2	295.4	419.0	551.9
-32.5°	3.0	16.8	33.7	53.6	76.5	103.1	135.0	194.0	285.6	402.6	531.7
-35°	3.0	16.9	34.0	53.8	77.1	103.0	133.5	188.6	273.4	384.0	508.3
-37.5°	3.0	17.1	34.1	53.8	77.4	102.9	133.0	182.6	258.5	363.2	483.5
-40°	3.0	17.2	34.2	53.7	77.6	103.1	132.2	175.3	241.2	342.8	455.5
-42.5°	3.0	17.2	34.3	53.6	77.6	103.1	131.0	166.7	228.2	318.5	423.2
-45°	3.0	17.2	34.2	53.5	77.5	102.7	129.4	160.2	216.9	291.4	387.6
-47.5°	3.0	17.2	34.1	53.3	77.2	102.2	127.3	157.7	204.0	262.4	354.5
-50°	3.0	17.2	33.9	53.2	76.7	101.4	125.9	154.6	188.8	245.0	318.7
-52.5°	3.0	17.1	33.6	53.0	75.9	100.4	124.3	150.9	180.5	226.3	281.8
-55°	3.0	17.0	33.2	52.6	74.9	98.9	122.4	146.8	174.9	206.4	258.3
-57.5°	3.0	16.9	32.8	52.1	73.8	97.1	120.1	144.0	168.9	196.3	233.6
-60°	3.0	16.8	32.3	51.5	72.4	95.1	117.5	140.5	162.8	188.9	213.2
-62.5°	3.0	16.6	31.8	50.8	71.3	92.9	114.7	136.6	158.0	180.7	203.1
-65°	3.0	16.3	31.2	49.9	70.1	90.4	111.7	132.3	152.7	173.3	192.3
-67.5°	3.0	16.1	30.6	48.9	68.6	88.0	108.4	128.0	147.0	166.0	183.2
-70°	3.0	15.8	29.9	47.8	67.0	85.5	104.8	123.3	141.4	158.4	174.8
-72.5°	3.0	15.5	29.1	46.6	65.2	82.8	101.1	118.4	135.5	151.0	166.1
-75°	3.0	15.1	28.3	45.4	63.2	79.9	97.2	113.2	129.3	143.2	156.9
-77.5°	3.0	14.8	27.4	44.0	61.2	76.7	92.9	107.6	122.5	135.1	147.4
-80°	3.0	14.4	26.5	42.6	59.2	73.7	88.5	101.8	115.4	126.7	137.8
-82.5°	3.0	14.0	25.5	41.0	56.9	70.8	84.7	96.2	108.0	118.2	128.2
-85°	3.0	13.5	24.4	39.4	54.6	67.7	80.9	91.4	102.1	110.7	119.2
-87.5°	3.0	13.1	23.3	37.7	52.1	64.5	76.9	86.5	96.1	103.9	111.7
-90°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.5	2.0	2.0	2.0



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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°	109.7	115.2	120.3	125.3	129.9	134.4	140.5	146.5	151.1	155.6	160.2
87.5°	2.5	2.5	2.5	2.6	2.3	2.0	2.0	2.0	1.9	1.8	1.8
85°	2.9	3.0	3.0	3.0	2.6	2.3	2.4	2.4	2.5	2.5	2.3
82.5°	3.4	3.5	3.3	3.0	2.9	2.9	3.0	3.0	3.0	3.0	2.7
80°	3.8	4.0	3.6	3.3	3.4	3.6	3.4	3.1	3.0	3.1	3.2
77.5°	4.2	4.1	3.9	3.9	4.0	4.2	4.2	4.2	4.1	3.9	4.0
75°	4.5	4.2	4.3	4.2	4.2	4.7	5.1	5.1	4.9	4.7	4.8
72.5°	5.3	5.3	5.1	4.5	4.6	5.1	5.1	5.1	6.3	8.4	10.1
70°	6.6	6.6	6.2	5.8	5.6	6.0	7.7	10.5	13.6	16.5	19.2
67.5°	8.0	7.9	7.4	7.3	8.4	10.1	12.2	19.3	26.8	29.4	29.8
65°	9.5	9.2	9.3	10.5	11.9	17.0	23.5	32.1	39.2	38.8	35.8
62.5°	11.2	12.5	12.6	15.0	20.0	26.2	33.7	41.1	47.5	44.4	37.0
60°	16.0	16.9	19.2	23.8	29.0	35.0	42.9	45.3	46.9	45.7	35.9
57.5°	22.0	24.6	29.5	33.7	39.9	42.6	43.2	42.8	45.5	43.7	33.8
55°	30.8	35.3	41.8	46.2	49.8	44.5	43.9	46.7	46.3	42.4	32.8
52.5°	44.1	48.8	57.8	61.1	58.2	54.0	52.5	55.1	53.0	47.7	41.4
50°	58.4	69.8	75.7	78.3	73.2	72.6	67.3	70.6	73.5	70.9	79.9
47.5°	80.3	94.0	98.4	103.1	100.6	109.9	105.1	122.5	123.7	174.5	189.8
45°	106.7	125.1	130.2	142.4	155.8	171.9	199.8	207.2	290.9	341.8	402.0
42.5°	138.5	161.6	182.5	189.4	249.4	282.1	324.0	401.7	479.5	543.5	588.3
40°	179.4	203.0	247.0	299.7	363.5	419.0	499.0	588.9	663.1	712.2	735.2
37.5°	224.5	270.6	328.3	413.5	491.1	561.6	663.7	753.8	819.6	864.9	870.8
35°	272.9	338.3	432.9	519.2	599.4	694.7	796.2	899.8	953.7	973.3	1056.8
32.5°	329.3	404.4	516.4	610.1	700.4	808.5	916.4	1005.8	1053.5	1108.7	1391.4
30°	382.7	473.6	585.1	684.7	796.6	919.7	1022.9	1107.3	1140.1	1430.5	1887.7
27.5°	425.2	533.7	645.7	765.8	894.2	1035.0	1139.0	1193.8	1382.1	1811.9	2472.9
25°	464.9	581.7	706.8	856.9	1002.9	1142.5	1248.3	1283.3	1675.0	2403.7	2896.4
22.5°	503.8	628.4	774.2	953.2	1102.7	1233.0	1321.5	1533.6	2094.9	3017.7	3273.5
20°	542.6	683.7	847.5	1026.0	1190.9	1312.5	1380.5	1797.5	2604.8	3253.7	3541.5
17.5°	580.0	739.5	914.8	1087.2	1253.6	1376.8	1464.7	2020.2	3008.6	3465.4	3748.7
15°	616.5	787.1	966.6	1144.7	1314.4	1433.1	1671.6	2346.7	3259.4	3721.5	4020.7
12.5°	651.4	827.8	1004.9	1194.6	1373.3	1487.8	1886.3	2742.6	3521.2	3973.8	4297.2
10°	684.4	862.0	1038.2	1240.2	1428.1	1535.4	2087.7	3112.4	3760.7	4153.4	4446.6
7.5°	717.7	892.8	1068.3	1281.3	1479.6	1578.8	2258.1	3314.8	3854.8	4272.0	4551.9
5°	747.1	921.3	1103.9	1332.0	1529.6	1618.7	2402.0	3451.0	3884.5	4331.3	4627.7
2.5°	772.2	945.0	1135.0	1379.3	1574.7	1654.8	2499.9	3554.8	3920.5	4373.5	4722.0
0°	793.3	964.1	1161.2	1419.9	1612.9	1687.7	2564.8	3610.8	3943.3	4392.0	4826.5
-2.5°	808.7	989.5	1203.0	1454.3	1644.3	1722.0	2585.2	3634.8	3976.4	4494.0	5061.1
-5°	820.2	1010.0	1237.9	1481.7	1669.8	1753.6	2570.7	3612.4	4015.9	4588.1	5210.3
-7.5°	827.3	1024.7	1264.8	1502.1	1691.1	1789.1	2526.9	3586.7	4139.7	4706.2	5285.3
-10°	830.6	1032.3	1269.0	1509.7	1708.1	1824.7	2451.9	3499.6	4229.2	4751.3	5291.5
-12.5°	833.5	1033.9	1264.0	1508.4	1718.8	1857.3	2357.7	3395.1	4311.6	4768.2	5253.2
-15°	831.0	1030.7	1252.8	1499.0	1732.3	1898.5	2237.1	3201.1	4348.4	4750.4	5181.2
-17.5°	822.6	1022.8	1237.4	1486.9	1740.9	1936.9	2079.2	2902.3	4150.7	4695.6	5126.4
-20°	808.2	1008.5	1215.4	1463.7	1736.3	1953.5	2075.2	2683.5	3736.6	4587.9	5045.0



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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°	789.4	988.1	1189.1	1433.0	1708.9	1946.7	2104.1	2442.5	3267.2	4430.0	4922.2
-25°	767.2	962.4	1162.1	1399.8	1670.8	1933.6	2120.0	2220.4	2879.3	3895.1	4727.2
-27.5°	741.7	931.8	1131.3	1355.6	1621.0	1894.7	2094.2	2226.6	2563.9	3283.5	4431.0
-30°	711.5	896.4	1091.5	1304.3	1560.0	1821.3	2049.9	2218.6	2317.1	2866.0	3788.6
-32.5°	677.3	855.6	1046.2	1255.2	1491.1	1742.2	1984.0	2166.4	2301.5	2481.2	3183.9
-35°	644.7	814.0	995.9	1199.8	1417.3	1653.2	1880.0	2095.2	2264.6	2380.4	2666.1
-37.5°	615.9	768.6	943.3	1139.6	1349.1	1551.0	1767.7	1989.5	2183.6	2343.7	2444.9
-40°	582.9	719.7	889.2	1074.7	1261.3	1447.7	1650.1	1861.9	2075.8	2251.6	2405.7
-42.5°	546.0	678.5	830.2	999.1	1170.5	1346.6	1526.8	1727.4	1929.0	2129.4	2292.0
-45°	505.0	632.5	767.3	919.1	1074.6	1240.7	1411.5	1584.9	1775.6	1964.7	2142.6
-47.5°	458.9	581.3	709.9	833.9	978.2	1130.6	1290.1	1453.7	1616.9	1790.6	1962.4
-50°	410.8	524.4	643.1	756.6	880.0	1018.7	1165.1	1317.4	1471.4	1617.1	1768.3
-52.5°	366.2	462.4	571.0	679.9	788.2	906.2	1038.5	1176.0	1318.5	1460.4	1588.2
-55°	318.1	404.6	494.9	597.6	701.1	803.2	910.6	1035.0	1156.1	1286.5	1412.1
-57.5°	282.1	345.7	424.8	510.3	607.2	705.9	801.0	894.7	1000.2	1109.3	1220.1
-60°	253.4	298.0	358.5	431.3	507.7	598.8	692.3	778.8	858.4	939.7	1040.0
-62.5°	226.9	263.5	305.6	356.2	422.6	490.3	570.7	653.3	730.7	805.0	879.7
-65°	214.0	233.2	265.0	302.8	340.8	398.4	460.0	523.2	594.2	662.4	731.8
-67.5°	200.5	218.7	236.2	256.9	291.1	324.7	358.0	413.6	469.2	519.3	569.8
-70°	190.0	204.3	220.1	235.5	251.0	270.7	301.0	332.1	362.2	395.5	437.9
-72.5°	179.8	192.5	205.3	217.7	231.7	245.9	260.4	275.7	297.7	323.4	346.6
-75°	169.2	180.4	191.6	202.8	214.3	226.1	238.4	251.8	265.5	279.3	291.6
-77.5°	158.6	169.1	178.6	188.0	197.9	208.4	219.3	230.3	241.6	252.9	262.6
-80°	147.7	157.6	166.0	174.2	182.7	191.3	200.7	210.2	219.6	229.2	237.6
-82.5°	136.6	145.0	152.6	159.9	167.3	174.5	182.6	190.8	199.0	207.2	214.3
-85°	125.8	132.2	138.7	145.2	151.6	157.9	165.1	172.3	179.2	186.1	192.2
-87.5°	117.8	123.7	129.2	134.5	139.7	144.8	151.0	157.2	162.6	168.0	173.0
-90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	164.7	167.8	170.8	173.3	175.8	179.4	182.9	188.0	193.0	199.1	205.1
87.5°	1.8	1.8	1.9	1.4	1.0	1.0	1.0	1.0	1.0	1.5	2.0
85°	2.0	2.0	2.0	2.3	2.6	2.7	2.8	2.8	2.9	2.9	3.0
82.5°	2.5	2.5	2.6	2.8	3.0	3.0	3.0	3.0	3.0	3.4	3.9
80°	3.3	3.4	3.5	3.5	3.6	3.4	3.0	3.0	3.0	3.5	4.0
77.5°	4.1	4.1	4.0	3.8	3.5	3.2	3.0	3.0	3.0	3.1	3.1
75°	5.0	5.1	5.4	5.7	6.1	6.2	5.8	5.9	6.2	6.1	5.9
72.5°	11.1	11.4	11.4	12.7	14.0	14.5	14.8	15.8	17.0	18.5	20.3
70°	21.7	23.9	24.9	24.9	23.9	23.3	22.8	22.7	23.1	24.2	25.5
67.5°	31.3	32.3	31.8	31.4	29.5	27.3	24.7	23.4	24.0	25.1	26.7
65°	35.4	32.6	30.6	29.8	28.1	25.3	21.5	18.8	18.3	17.9	17.7
62.5°	31.8	26.8	24.4	23.1	20.6	18.3	14.8	12.0	11.0	10.3	10.1
60°	27.7	21.5	17.7	15.9	13.3	10.3	8.5	6.5	5.8	5.4	5.6
57.5°	24.1	17.8	13.4	12.6	10.2	8.1	6.5	4.8	4.3	4.0	4.2
55°	24.8	21.7	18.1	16.3	13.5	12.3	10.8	9.8	9.0	9.1	9.7
52.5°	35.0	37.7	33.2	32.0	39.8	39.9	33.0	43.7	50.3	55.2	56.6
50°	90.5	89.9	119.4	114.4	141.7	164.1	165.0	178.6	204.4	222.1	231.6
47.5°	240.3	267.3	301.7	337.9	366.2	401.5	437.2	463.9	470.5	471.2	475.8
45°	452.4	490.9	542.8	580.8	634.2	667.2	694.6	719.4	776.7	829.4	890.8
42.5°	631.7	673.8	727.5	804.8	861.1	1011.6	1241.7	1298.3	1306.5	1353.3	1421.4
40°	773.3	828.5	947.8	1117.0	1477.6	1800.9	1859.2	1907.8	1929.1	1903.2	1949.5
37.5°	944.7	1074.1	1342.7	1805.4	1976.3	2064.4	2126.3	2163.5	2208.7	2250.4	2273.2
35°	1229.3	1589.7	1825.2	2072.3	2184.1	2228.6	2274.2	2320.0	2355.5	2401.7	2438.7
32.5°	1813.4	2214.7	2238.3	2299.3	2357.6	2415.7	2458.1	2501.7	2539.6	2599.5	2725.2
30°	2401.8	2489.4	2510.7	2516.3	2569.4	2639.0	2675.8	2763.9	2882.9	3019.4	3309.7
27.5°	2715.1	2775.3	2787.8	2793.8	2818.6	2900.8	3053.3	3173.6	3459.2	3805.7	4551.9
25°	3096.6	3139.3	3184.7	3182.8	3220.4	3366.2	3664.3	3918.2	4882.8	5785.5	7730.3
22.5°	3460.5	3590.0	3654.4	3740.8	3868.6	4133.7	4656.8	6126.2	8583.0	11718.1	15621.2
20°	3713.3	3887.5	4061.1	4302.3	4611.0	5161.2	6795.3	11192.3	16443.2	24062.5	30453.1
17.5°	3968.4	4165.2	4472.2	4844.3	5362.6	7210.3	12001.3	19467.1	30250.3	43777.0	55645.4
15°	4301.1	4534.6	4945.6	5476.8	6925.3	10869.3	18861.4	32446.2	48838.8	67853.6	87799.9
12.5°	4527.7	4849.4	5338.0	6024.1	8401.7	15788.3	28656.4	47279.5	69841.3	93800.4	125595.3
10°	4695.1	5079.8	5743.5	7165.9	11477.1	21217.8	36681.2	59922.6	90854.1	127369.6	163720.6
7.5°	4835.6	5353.8	6187.0	7979.3	14130.5	26411.2	46122.2	74371.1	110968.3	154967.6	197240.7
5°	4962.0	5648.9	6613.8	8856.1	16508.0	30171.4	52400.6	85161.5	127541.4	175596.0	222268.4
2.5°	5129.0	5925.2	6890.7	9097.5	17459.7	32254.8	57375.5	93874.5	139374.4	189924.6	240704.3
0°	5361.1	6104.9	7059.9	9251.8	17163.6	33560.3	60424.4	98247.3	144560.0	195942.8	249202.2
-2.5°	5543.6	6208.4	7158.5	9127.4	17018.9	32946.3	59048.4	95698.3	139483.1	189133.9	242260.8
-5°	5661.5	6282.7	7201.7	9173.9	16653.7	30599.8	54984.3	89019.8	129144.8	173964.0	223090.5
-7.5°	5730.5	6309.9	7156.9	8881.4	14995.0	27403.1	47750.1	76709.8	112705.1	154178.3	194778.1
-10°	5771.8	6292.2	7063.1	8467.6	12612.9	22269.9	37697.6	62241.6	93429.6	126848.3	160057.3
-12.5°	5787.3	6255.1	6931.0	7874.9	10112.6	17434.6	30008.7	47427.6	70578.8	97992.2	127254.9
-15°	5756.9	6201.1	6803.3	7620.5	9109.2	13069.9	20939.5	32786.4	50042.5	70972.7	92177.9
-17.5°	5643.9	6145.3	6614.2	7241.6	8117.9	9985.7	14775.4	22379.5	32902.6	46737.2	58971.4
-20°	5494.1	6040.1	6441.5	6996.1	7684.1	8539.0	10075.1	14715.8	20616.4	28625.7	36610.7



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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°	5360.7	5860.2	6365.0	6745.6	7284.5	7846.4	8540.1	9867.6	12832.6	16831.3	21893.2
-25°	5237.6	5694.9	6212.8	6624.5	6928.5	7325.7	7760.2	8225.3	9232.5	10176.8	12618.8
-27.5°	5064.4	5538.1	5987.2	6426.7	6719.6	6899.9	7196.0	7485.0	7906.8	8281.9	8999.1
-30°	4862.9	5326.3	5753.7	6152.9	6453.0	6642.6	6789.5	6988.2	7211.4	7438.5	7746.7
-32.5°	4144.6	5077.5	5475.4	5835.8	6145.3	6368.3	6523.7	6654.3	6783.1	6928.5	7090.9
-35°	3357.8	4279.2	5176.9	5458.0	5750.5	6045.7	6276.2	6399.4	6511.5	6613.4	6712.7
-37.5°	2730.0	3380.1	4185.9	4951.8	5307.2	5605.2	5882.3	6097.5	6254.7	6350.2	6439.5
-40°	2484.3	2649.0	3268.7	3899.4	4505.9	5056.5	5338.2	5656.3	5914.9	6055.1	6152.3
-42.5°	2425.5	2501.2	2559.0	2958.6	3441.0	3905.3	4419.1	4929.1	5329.3	5596.1	5794.5
-45°	2296.9	2405.8	2492.1	2527.7	2549.5	2888.0	3285.9	3675.3	4124.7	4589.0	5010.5
-47.5°	2114.6	2256.2	2353.6	2429.9	2475.5	2489.9	2517.8	2605.2	2931.5	3274.6	3601.3
-50°	1911.3	2041.0	2157.8	2263.9	2327.1	2378.3	2427.2	2474.2	2514.1	2564.3	2609.5
-52.5°	1706.5	1825.4	1930.4	2023.6	2107.3	2188.0	2265.7	2323.8	2380.5	2441.4	2490.9
-55°	1524.1	1620.5	1708.5	1790.3	1865.8	1934.1	2004.3	2079.3	2156.9	2232.8	2291.8
-57.5°	1329.2	1421.4	1504.7	1574.0	1634.8	1685.7	1750.1	1820.4	1893.5	1961.1	2012.5
-60°	1132.6	1214.0	1290.3	1357.5	1415.1	1462.6	1522.1	1581.6	1646.7	1704.6	1750.3
-62.5°	945.8	1014.5	1079.3	1138.0	1190.4	1238.5	1291.4	1344.5	1405.7	1459.5	1503.2
-65°	790.5	843.8	888.2	929.8	962.3	1003.9	1055.0	1104.0	1157.3	1203.9	1242.9
-67.5°	622.4	671.6	712.2	748.6	777.1	806.8	844.7	883.7	925.1	962.1	994.8
-70°	475.6	508.6	535.0	562.2	591.4	619.8	650.0	683.5	718.2	748.8	775.6
-72.5°	366.9	383.2	398.6	420.7	440.3	460.1	479.2	503.2	528.9	552.2	573.1
-75°	303.1	313.2	324.9	335.4	344.6	355.1	365.7	381.2	398.1	414.1	429.1
-77.5°	271.9	279.3	285.2	290.0	294.3	300.7	307.5	319.1	331.6	345.1	358.5
-80°	245.5	251.1	256.1	260.4	264.3	269.5	275.0	285.1	295.8	307.2	318.6
-82.5°	221.1	225.5	229.5	233.4	237.2	241.7	246.1	255.0	264.2	273.7	283.2
-85°	198.1	201.9	205.3	208.6	211.7	215.5	219.3	226.9	234.6	242.7	250.7
-87.5°	177.9	181.4	184.8	187.6	190.5	193.8	197.2	203.8	210.5	217.3	224.0
-90°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



REPORT NUMBER: P1305628 (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°	205.7	206.2	206.7	207.2	206.7	206.2	205.7	205.1	199.1	193.0	188.0
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.0	1.0
85°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.8
82.5°	3.5	3.0	3.5	4.0	3.5	3.0	3.5	3.9	3.4	3.0	3.0
80°	3.5	3.0	3.5	4.0	3.5	3.0	3.5	4.0	3.5	3.0	3.0
77.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.1	3.1	3.0	3.0
75°	5.0	4.0	3.5	3.0	3.5	4.0	5.0	5.9	6.1	6.2	5.9
72.5°	20.7	20.8	21.1	21.2	21.1	20.8	20.7	20.3	18.5	17.0	15.8
70°	26.4	27.0	27.3	27.3	27.3	27.0	26.4	25.5	24.2	23.1	22.7
67.5°	26.9	26.4	25.9	25.3	25.9	26.4	26.9	26.7	25.1	24.0	23.4
65°	16.9	15.8	13.9	12.1	13.9	15.8	16.9	17.7	17.9	18.3	18.8
62.5°	9.8	9.4	9.2	9.1	9.2	9.4	9.8	10.1	10.3	11.0	12.0
60°	5.8	6.1	6.1	6.1	6.1	6.1	5.8	5.6	5.4	5.8	6.5
57.5°	4.4	5.0	5.5	6.1	5.5	5.0	4.4	4.2	4.0	4.3	4.8
55°	10.3	11.5	12.0	12.1	12.0	11.5	10.3	9.7	9.1	9.0	9.8
52.5°	54.6	51.8	49.4	47.5	49.4	51.8	54.6	56.6	55.2	50.3	43.7
50°	235.9	242.0	244.9	244.6	244.9	242.0	235.9	231.6	222.1	204.4	178.6
47.5°	485.9	489.3	486.5	479.0	486.5	489.3	485.9	475.8	471.2	470.5	463.9
45°	965.9	924.1	849.8	784.2	849.8	924.1	965.9	890.8	829.4	776.7	719.4
42.5°	1512.1	1562.1	1599.6	1616.9	1599.6	1562.1	1512.1	1421.4	1353.3	1306.5	1298.3
40°	1897.5	1844.0	1833.1	1841.3	1833.1	1844.0	1897.5	1949.5	1903.2	1929.1	1907.8
37.5°	2278.9	2327.5	2363.6	2305.1	2363.6	2327.5	2278.9	2273.2	2250.4	2208.7	2163.5
35°	2524.6	2697.6	2900.6	2962.0	2900.6	2697.6	2524.6	2438.7	2401.7	2355.5	2320.0
32.5°	2935.6	3118.2	3197.3	3216.7	3197.3	3118.2	2935.6	2725.2	2599.5	2539.6	2501.7
30°	3589.4	3771.8	3804.7	3831.1	3804.7	3771.8	3589.4	3309.7	3019.4	2882.9	2763.9
27.5°	5047.0	5455.0	5551.8	5619.8	5551.8	5455.0	5047.0	4551.9	3805.7	3459.2	3173.6
25°	9265.6	10326.7	11019.8	10952.6	11019.8	10326.7	9265.6	7730.3	5785.5	4882.8	3918.2
22.5°	19531.8	21614.8	22726.3	22706.7	22726.3	21614.8	19531.8	15621.2	11718.1	8583.0	6126.2
20°	39557.7	45721.3	49057.5	48677.5	49057.5	45721.3	39557.7	30453.1	24062.5	16443.2	11192.3
17.5°	68976.1	80880.6	89197.4	89538.1	89197.4	80880.6	68976.1	55645.4	43777.0	30250.3	19467.1
15°	106657.5	124321.0	136790.2	136788.7	136790.2	124321.0	106657.5	87799.9	67853.6	48838.8	32446.2
12.5°	152518.1	173631.6	187898.5	190038.0	187898.5	173631.6	152518.1	125595.3	93800.4	69841.3	47279.5
10°	196532.1	220447.5	242015.8	247954.2	242015.8	220447.5	196532.1	163720.6	127369.6	90854.1	59922.6
7.5°	233786.4	271407.1	291053.7	297241.6	291053.7	271407.1	233786.4	197240.7	154967.6	110968.3	74371.1
5°	270353.8	302917.8	319412.7	324188.1	319412.7	302917.8	270353.8	222268.4	175596.0	127541.4	85161.5
2.5°	289589.5	319479.8	342663.9	356109.2	342663.9	319479.8	289589.5	240704.3	189924.6	139374.4	93874.5
0°	296826.7	325224.9	356316.9	377494.0	356316.9	325224.9	296826.7	249202.2	195942.8	144560.0	98247.3
-2.5°	289587.9	317066.6	339979.3	351134.6	339979.3	317066.6	289587.9	242260.8	189133.9	139483.1	95698.3
-5°	267644.5	299965.7	316648.0	320871.4	316648.0	299965.7	267644.5	223090.5	173964.0	129144.8	89019.8
-7.5°	232597.9	263682.7	284136.2	288743.1	284136.2	263682.7	232597.9	194778.1	154178.3	112705.1	76709.8
-10°	193580.8	220132.4	233931.0	237343.1	233931.0	220132.4	193580.8	160057.3	126848.3	93429.6	62241.6
-12.5°	150416.5	169888.3	183973.8	185885.6	183973.8	169888.3	150416.5	127254.9	97992.2	70578.8	47427.6
-15°	111961.9	124839.5	136195.3	137500.1	136195.3	124839.5	111961.9	92177.9	70972.7	50042.5	32786.4
-17.5°	75008.6	85670.2	92024.1	93857.3	92024.1	85670.2	75008.6	58971.4	46737.2	32902.6	22379.5
-20°	44942.6	52571.7	56806.1	56965.2	56806.1	52571.7	44942.6	36610.7	28625.7	20616.4	14715.8



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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°	26073.5	30318.4	32558.8	32515.3	32558.8	30318.4	26073.5	21893.2	16831.3	12832.6	9867.6
-25°	15037.1	16895.7	17637.5	17663.9	17637.5	16895.7	15037.1	12618.8	10176.8	9232.5	8225.3
-27.5°	9574.7	10001.4	10172.3	10199.8	10172.3	10001.4	9574.7	8999.1	8281.9	7906.8	7485.0
-30°	8027.6	8277.3	8392.0	8424.2	8392.0	8277.3	8027.6	7746.7	7438.5	7211.4	6988.2
-32.5°	7243.4	7380.9	7473.6	7460.1	7473.6	7380.9	7243.4	7090.9	6928.5	6783.1	6654.3
-35°	6809.8	6894.9	6947.0	6972.0	6947.0	6894.9	6809.8	6712.7	6613.4	6511.5	6399.4
-37.5°	6528.6	6604.8	6654.0	6668.8	6654.0	6604.8	6528.6	6439.5	6350.2	6254.7	6097.5
-40°	6236.0	6299.4	6339.9	6354.5	6339.9	6299.4	6236.0	6152.3	6055.1	5914.9	5656.3
-42.5°	5920.3	5988.3	6020.7	6021.0	6020.7	5988.3	5920.3	5794.5	5596.1	5329.3	4929.1
-45°	5356.2	5565.7	5670.6	5675.4	5670.6	5565.7	5356.2	5010.5	4589.0	4124.7	3675.3
-47.5°	3898.5	4105.4	4271.8	4395.0	4271.8	4105.4	3898.5	3601.3	3274.6	2931.5	2605.2
-50°	2649.1	2662.7	2663.6	2651.8	2663.6	2662.7	2649.1	2609.5	2564.3	2514.1	2474.2
-52.5°	2529.6	2543.7	2554.0	2559.8	2554.0	2543.7	2529.6	2490.9	2441.4	2380.5	2323.8
-55°	2335.4	2353.2	2360.5	2357.7	2360.5	2353.2	2335.4	2291.8	2232.8	2156.9	2079.3
-57.5°	2046.9	2058.7	2064.2	2062.6	2064.2	2058.7	2046.9	2012.5	1961.1	1893.5	1820.4
-60°	1778.3	1787.0	1792.1	1791.8	1792.1	1787.0	1778.3	1750.3	1704.6	1646.7	1581.6
-62.5°	1527.8	1535.7	1541.3	1542.1	1541.3	1535.7	1527.8	1503.2	1459.5	1405.7	1344.5
-65°	1262.4	1268.3	1272.1	1271.3	1272.1	1268.3	1262.4	1242.9	1203.9	1157.3	1104.0
-67.5°	1009.1	1013.3	1016.7	1016.6	1016.7	1013.3	1009.1	994.8	962.1	925.1	883.7
-70°	784.2	784.6	786.2	785.2	786.2	784.6	784.2	775.6	748.8	718.2	683.5
-72.5°	578.0	577.5	577.2	575.0	577.2	577.5	578.0	573.1	552.2	528.9	503.2
-75°	430.6	429.1	427.7	425.5	427.7	429.1	430.6	429.1	414.1	398.1	381.2
-77.5°	360.1	360.0	357.6	354.7	357.6	360.0	360.1	358.5	345.1	331.6	319.1
-80°	319.2	318.8	317.7	316.3	317.7	318.8	319.2	318.6	307.2	295.8	285.1
-82.5°	284.2	284.6	284.4	284.0	284.4	284.6	284.2	283.2	273.7	264.2	255.0
-85°	251.6	252.4	252.1	251.6	252.1	252.4	251.6	250.7	242.7	234.6	226.9
-87.5°	224.7	225.3	225.4	225.4	225.4	225.3	224.7	224.0	217.3	210.5	203.8
-90°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	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°	182.9	179.4	175.8	173.3	170.8	167.8	164.7	160.2	155.6	151.1	146.5
87.5°	1.0	1.0	1.0	1.4	1.9	1.8	1.8	1.8	1.8	1.9	2.0
85°	2.8	2.7	2.6	2.3	2.0	2.0	2.0	2.3	2.5	2.5	2.4
82.5°	3.0	3.0	3.0	2.8	2.6	2.5	2.5	2.7	3.0	3.0	3.0
80°	3.0	3.4	3.6	3.5	3.5	3.4	3.3	3.2	3.1	3.0	3.1
77.5°	3.0	3.2	3.5	3.8	4.0	4.1	4.1	4.0	3.9	4.1	4.2
75°	5.8	6.2	6.1	5.7	5.4	5.1	5.0	4.8	4.7	4.9	5.1
72.5°	14.8	14.5	14.0	12.7	11.4	11.4	11.1	10.1	8.4	6.3	5.1
70°	22.8	23.3	23.9	24.9	24.9	23.9	21.7	19.2	16.5	13.6	10.5
67.5°	24.7	27.3	29.5	31.4	31.8	32.3	31.3	29.8	29.4	26.8	19.3
65°	21.5	25.3	28.1	29.8	30.6	32.6	35.4	35.8	38.8	39.2	32.1
62.5°	14.8	18.3	20.6	23.1	24.4	26.8	31.8	37.0	44.4	47.5	41.1
60°	8.5	10.3	13.3	15.9	17.7	21.5	27.7	35.9	45.7	46.9	45.3
57.5°	6.5	8.1	10.2	12.6	13.4	17.8	24.1	33.8	43.7	45.5	42.8
55°	10.8	12.3	13.5	16.3	18.1	21.7	24.8	32.8	42.4	46.3	46.7
52.5°	33.0	39.9	39.8	32.0	33.2	37.7	35.0	41.4	47.7	53.0	55.1
50°	165.0	164.1	141.7	114.4	119.4	89.9	90.5	79.9	70.9	73.5	70.6
47.5°	437.2	401.5	366.2	337.9	301.7	267.3	240.3	189.8	174.5	123.7	122.5
45°	694.6	667.2	634.2	580.8	542.8	490.9	452.4	402.0	341.8	290.9	207.2
42.5°	1241.7	1011.6	861.1	804.8	727.5	673.8	631.7	588.3	543.5	479.5	401.7
40°	1859.2	1800.9	1477.6	1117.0	947.8	828.5	773.3	735.2	712.2	663.1	588.9
37.5°	2126.3	2064.4	1976.3	1805.4	1342.7	1074.1	944.7	870.8	864.9	819.6	753.8
35°	2274.2	2228.6	2184.1	2072.3	1825.2	1589.7	1229.3	1056.8	973.3	953.7	899.8
32.5°	2458.1	2415.7	2357.6	2299.3	2238.3	2214.7	1813.4	1391.4	1108.7	1053.5	1005.8
30°	2675.8	2639.0	2569.4	2516.3	2510.7	2489.4	2401.8	1887.7	1430.5	1140.1	1107.3
27.5°	3053.3	2900.8	2818.6	2793.8	2787.8	2775.3	2715.1	2472.9	1811.9	1382.1	1193.8
25°	3664.3	3366.2	3220.4	3182.8	3184.7	3139.3	3096.6	2896.4	2403.7	1675.0	1283.3
22.5°	4656.8	4133.7	3868.6	3740.8	3654.4	3590.0	3460.5	3273.5	3017.7	2094.9	1533.6
20°	6795.3	5161.2	4611.0	4302.3	4061.1	3887.5	3713.3	3541.5	3253.7	2604.8	1797.5
17.5°	12001.3	7210.3	5362.6	4844.3	4472.2	4165.2	3968.4	3748.7	3465.4	3008.6	2020.2
15°	18861.4	10869.3	6925.3	5476.8	4945.6	4534.6	4301.1	4020.7	3721.5	3259.4	2346.7
12.5°	28656.4	15788.3	8401.7	6024.1	5338.0	4849.4	4527.7	4297.2	3973.8	3521.2	2742.6
10°	36681.2	21217.8	11477.1	7165.9	5743.5	5079.8	4695.1	4446.6	4153.4	3760.7	3112.4
7.5°	46122.2	26411.2	14130.5	7979.3	6187.0	5353.8	4835.6	4551.9	4272.0	3854.8	3314.8
5°	52400.6	30171.4	16508.0	8856.1	6613.8	5648.9	4962.0	4627.7	4331.3	3884.5	3451.0
2.5°	57375.5	32254.8	17459.7	9097.5	6890.7	5925.2	5129.0	4722.0	4373.5	3920.5	3554.8
0°	60424.4	33560.3	17163.6	9251.8	7059.9	6104.9	5361.1	4826.5	4392.0	3943.3	3610.8
-2.5°	59048.4	32946.3	17018.9	9127.4	7158.5	6208.4	5543.6	5061.1	4494.0	3976.4	3634.8
-5°	54984.3	30599.8	16653.7	9173.9	7201.7	6282.7	5661.5	5210.3	4588.1	4015.9	3612.4
-7.5°	47750.1	27403.1	14995.0	8881.4	7156.9	6309.9	5730.5	5285.3	4706.2	4139.7	3586.7
-10°	37697.6	22269.9	12612.9	8467.6	7063.1	6292.2	5771.8	5291.5	4751.3	4229.2	3499.6
-12.5°	30008.7	17434.6	10112.6	7874.9	6931.0	6255.1	5787.3	5253.2	4768.2	4311.6	3395.1
-15°	20939.5	13069.9	9109.2	7620.5	6803.3	6201.1	5756.9	5181.2	4750.4	4348.4	3201.1
-17.5°	14775.4	9985.7	8117.9	7241.6	6614.2	6145.3	5643.9	5126.4	4695.6	4150.7	2902.3
-20°	10075.1	8539.0	7684.1	6996.1	6441.5	6040.1	5494.1	5045.0	4587.9	3736.6	2683.5



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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°	8540.1	7846.4	7284.5	6745.6	6365.0	5860.2	5360.7	4922.2	4430.0	3267.2	2442.5
-25°	7760.2	7325.7	6928.5	6624.5	6212.8	5694.9	5237.6	4727.2	3895.1	2879.3	2220.4
-27.5°	7196.0	6899.9	6719.6	6426.7	5987.2	5538.1	5064.4	4431.0	3283.5	2563.9	2226.6
-30°	6789.5	6642.6	6453.0	6152.9	5753.7	5326.3	4862.9	3788.6	2866.0	2317.1	2218.6
-32.5°	6523.7	6368.3	6145.3	5835.8	5475.4	5077.5	4144.6	3183.9	2481.2	2301.5	2166.4
-35°	6276.2	6045.7	5750.5	5458.0	5176.9	4279.2	3357.8	2666.1	2380.4	2264.6	2095.2
-37.5°	5882.3	5605.2	5307.2	4951.8	4185.9	3380.1	2730.0	2444.9	2343.7	2183.6	1989.5
-40°	5338.2	5056.5	4505.9	3899.4	3268.7	2649.0	2484.3	2405.7	2251.6	2075.8	1861.9
-42.5°	4419.1	3905.3	3441.0	2958.6	2559.0	2501.2	2425.5	2292.0	2129.4	1929.0	1727.4
-45°	3285.9	2888.0	2549.5	2527.7	2492.1	2405.8	2296.9	2142.6	1964.7	1775.6	1584.9
-47.5°	2517.8	2489.9	2475.5	2429.9	2353.6	2256.2	2114.6	1962.4	1790.6	1616.9	1453.7
-50°	2427.2	2378.3	2327.1	2263.9	2157.8	2041.0	1911.3	1768.3	1617.1	1471.4	1317.4
-52.5°	2265.7	2188.0	2107.3	2023.6	1930.4	1825.4	1706.5	1588.2	1460.4	1318.5	1176.0
-55°	2004.3	1934.1	1865.8	1790.3	1708.5	1620.5	1524.1	1412.1	1286.5	1156.1	1035.0
-57.5°	1750.1	1685.7	1634.8	1574.0	1504.7	1421.4	1329.2	1220.1	1109.3	1000.2	894.7
-60°	1522.1	1462.6	1415.1	1357.5	1290.3	1214.0	1132.6	1040.0	939.7	858.4	778.8
-62.5°	1291.4	1238.5	1190.4	1138.0	1079.3	1014.5	945.8	879.7	805.0	730.7	653.3
-65°	1055.0	1003.9	962.3	929.8	888.2	843.8	790.5	731.8	662.4	594.2	523.2
-67.5°	844.7	806.8	777.1	748.6	712.2	671.6	622.4	569.8	519.3	469.2	413.6
-70°	650.0	619.8	591.4	562.2	535.0	508.6	475.6	437.9	395.5	362.2	332.1
-72.5°	479.2	460.1	440.3	420.7	398.6	383.2	366.9	346.6	323.4	297.7	275.7
-75°	365.7	355.1	344.6	335.4	324.9	313.2	303.1	291.6	279.3	265.5	251.8
-77.5°	307.5	300.7	294.3	290.0	285.2	279.3	271.9	262.6	252.9	241.6	230.3
-80°	275.0	269.5	264.3	260.4	256.1	251.1	245.5	237.6	229.2	219.6	210.2
-82.5°	246.1	241.7	237.2	233.4	229.5	225.5	221.1	214.3	207.2	199.0	190.8
-85°	219.3	215.5	211.7	208.6	205.3	201.9	198.1	192.2	186.1	179.2	172.3
-87.5°	197.2	193.8	190.5	187.6	184.8	181.4	177.9	173.0	168.0	162.6	157.2
-90°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.5	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°	140.5	134.4	129.9	125.3	120.3	115.2	109.7	104.1	97.0	89.9	81.4
87.5°	2.0	2.0	2.3	2.6	2.5	2.5	2.5	2.4	2.6	2.7	3.0
85°	2.4	2.3	2.6	3.0	3.0	3.0	2.9	2.9	3.2	3.4	3.4
82.5°	3.0	2.9	2.9	3.0	3.3	3.5	3.4	3.3	3.7	4.0	3.9
80°	3.4	3.6	3.4	3.3	3.6	4.0	3.8	3.8	4.1	4.4	4.3
77.5°	4.2	4.2	4.0	3.9	3.9	4.1	4.2	4.2	4.6	4.8	4.8
75°	5.1	4.7	4.2	4.2	4.3	4.2	4.5	4.8	5.2	5.3	5.3
72.5°	5.1	5.1	4.6	4.5	5.1	5.3	5.3	5.4	5.9	6.1	6.0
70°	7.7	6.0	5.6	5.8	6.2	6.6	6.6	6.8	6.6	7.0	7.0
67.5°	12.2	10.1	8.4	7.3	7.4	7.9	8.0	8.4	8.4	8.0	8.1
65°	23.5	17.0	11.9	10.5	9.3	9.2	9.5	10.3	10.3	10.1	9.2
62.5°	33.7	26.2	20.0	15.0	12.6	12.5	11.2	12.4	12.4	12.4	11.2
60°	42.9	35.0	29.0	23.8	19.2	16.9	16.0	14.8	15.1	14.8	13.6
57.5°	43.2	42.6	39.9	33.7	29.5	24.6	22.0	20.1	18.2	17.9	16.1
55°	43.9	44.5	49.8	46.2	41.8	35.3	30.8	27.1	22.8	21.6	18.7
52.5°	52.5	54.0	58.2	61.1	57.8	48.8	44.1	34.8	31.4	25.5	22.4
50°	67.3	72.6	73.2	78.3	75.7	69.8	58.4	49.0	40.7	31.2	26.4
47.5°	105.1	109.9	100.6	103.1	98.4	94.0	80.3	66.0	50.8	40.7	30.6
45°	199.8	171.9	155.8	142.4	130.2	125.1	106.7	84.8	68.2	50.6	34.9
42.5°	324.0	282.1	249.4	189.4	182.5	161.6	138.5	113.6	86.9	60.9	42.1
40°	499.0	419.0	363.5	299.7	247.0	203.0	179.4	146.1	106.9	74.0	51.4
37.5°	663.7	561.6	491.1	413.5	328.3	270.6	224.5	181.0	130.7	92.3	60.9
35°	796.2	694.7	599.4	519.2	432.9	338.3	272.9	219.9	161.3	111.4	70.6
32.5°	916.4	808.5	700.4	610.1	516.4	404.4	329.3	258.6	192.1	131.1	80.8
30°	1022.9	919.7	796.6	684.7	585.1	473.6	382.7	294.7	223.0	151.4	92.6
27.5°	1139.0	1035.0	894.2	765.8	645.7	533.7	425.2	328.3	253.8	172.0	108.0
25°	1248.3	1142.5	1002.9	856.9	706.8	581.7	464.9	359.6	282.7	192.9	122.6
22.5°	1321.5	1233.0	1102.7	953.2	774.2	628.4	503.8	393.7	302.3	212.0	136.3
20°	1380.5	1312.5	1190.9	1026.0	847.5	683.7	542.6	421.2	320.4	229.3	149.0
17.5°	1464.7	1376.8	1253.6	1087.2	914.8	739.5	580.0	447.0	337.2	244.7	160.8
15°	1671.6	1433.1	1314.4	1144.7	966.6	787.1	616.5	471.5	352.3	258.4	171.5
12.5°	1886.3	1487.8	1373.3	1194.6	1004.9	827.8	651.4	494.3	365.9	272.3	180.9
10°	2087.7	1535.4	1428.1	1240.2	1038.2	862.0	684.4	519.2	386.2	286.6	189.4
7.5°	2258.1	1578.8	1479.6	1281.3	1068.3	892.8	717.7	550.4	406.6	299.7	196.9
5°	2402.0	1618.7	1529.6	1332.0	1103.9	921.3	747.1	579.3	425.8	311.5	203.4
2.5°	2499.9	1654.8	1574.7	1379.3	1135.0	945.0	772.2	605.5	443.3	321.9	208.8
0°	2564.8	1687.7	1612.9	1419.9	1161.2	964.1	793.3	628.6	458.8	330.5	213.2
-2.5°	2585.2	1722.0	1644.3	1454.3	1203.0	989.5	808.7	639.3	469.4	340.2	220.5
-5°	2570.7	1753.6	1669.8	1481.7	1237.9	1010.0	820.2	646.7	477.6	348.0	226.5
-7.5°	2526.9	1789.1	1691.1	1502.1	1264.8	1024.7	827.3	650.6	483.5	353.7	231.2
-10°	2451.9	1824.7	1708.1	1509.7	1269.0	1032.3	830.6	651.1	487.1	357.2	234.5
-12.5°	2357.7	1857.3	1718.8	1508.4	1264.0	1033.9	833.5	649.6	488.2	358.5	236.2
-15°	2237.1	1898.5	1732.3	1499.0	1252.8	1030.7	831.0	644.6	485.2	356.4	236.4
-17.5°	2079.2	1936.9	1740.9	1486.9	1237.4	1022.8	822.6	635.1	479.4	350.6	234.3
-20°	2075.2	1953.5	1736.3	1463.7	1215.4	1008.5	808.2	620.9	471.0	342.7	230.3



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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°	2104.1	1946.7	1708.9	1433.0	1189.1	988.1	789.4	602.3	459.7	332.8	224.9
-25°	2120.0	1933.6	1670.8	1399.8	1162.1	962.4	767.2	582.7	445.7	320.8	218.1
-27.5°	2094.2	1894.7	1621.0	1355.6	1131.3	931.8	741.7	568.8	433.0	306.8	209.9
-30°	2049.9	1821.3	1560.0	1304.3	1091.5	896.4	711.5	551.9	419.0	295.4	200.2
-32.5°	1984.0	1742.2	1491.1	1255.2	1046.2	855.6	677.3	531.7	402.6	285.6	194.0
-35°	1880.0	1653.2	1417.3	1199.8	995.9	814.0	644.7	508.3	384.0	273.4	188.6
-37.5°	1767.7	1551.0	1349.1	1139.6	943.3	768.6	615.9	483.5	363.2	258.5	182.6
-40°	1650.1	1447.7	1261.3	1074.7	889.2	719.7	582.9	455.5	342.8	241.2	175.3
-42.5°	1526.8	1346.6	1170.5	999.1	830.2	678.5	546.0	423.2	318.5	228.2	166.7
-45°	1411.5	1240.7	1074.6	919.1	767.3	632.5	505.0	387.6	291.4	216.9	160.2
-47.5°	1290.1	1130.6	978.2	833.9	709.9	581.3	458.9	354.5	262.4	204.0	157.7
-50°	1165.1	1018.7	880.0	756.6	643.1	524.4	410.8	318.7	245.0	188.8	154.6
-52.5°	1038.5	906.2	788.2	679.9	571.0	462.4	366.2	281.8	226.3	180.5	150.9
-55°	910.6	803.2	701.1	597.6	494.9	404.6	318.1	258.3	206.4	174.9	146.8
-57.5°	801.0	705.9	607.2	510.3	424.8	345.7	282.1	233.6	196.3	168.9	144.0
-60°	692.3	598.8	507.7	431.3	358.5	298.0	253.4	213.2	188.9	162.8	140.5
-62.5°	570.7	490.3	422.6	356.2	305.6	263.5	226.9	203.1	180.7	158.0	136.6
-65°	460.0	398.4	340.8	302.8	265.0	233.2	214.0	192.3	173.3	152.7	132.3
-67.5°	358.0	324.7	291.1	256.9	236.2	218.7	200.5	183.2	166.0	147.0	128.0
-70°	301.0	270.7	251.0	235.5	220.1	204.3	190.0	174.8	158.4	141.4	123.3
-72.5°	260.4	245.9	231.7	217.7	205.3	192.5	179.8	166.1	151.0	135.5	118.4
-75°	238.4	226.1	214.3	202.8	191.6	180.4	169.2	156.9	143.2	129.3	113.2
-77.5°	219.3	208.4	197.9	188.0	178.6	169.1	158.6	147.4	135.1	122.5	107.6
-80°	200.7	191.3	182.7	174.2	166.0	157.6	147.7	137.8	126.7	115.4	101.8
-82.5°	182.6	174.5	167.3	159.9	152.6	145.0	136.6	128.2	118.2	108.0	96.2
-85°	165.1	157.9	151.6	145.2	138.7	132.2	125.8	119.2	110.7	102.1	91.4
-87.5°	151.0	144.8	139.7	134.5	129.2	123.7	117.8	111.7	103.9	96.1	86.5
-90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.5



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	72.8	61.1	49.5	35.8	22.2	12.6	3.0
87.5°	3.3	3.3	3.4	3.3	3.2	3.2	3.0
85°	3.5	3.7	3.7	3.5	3.4	3.5	3.0
82.5°	3.8	4.0	4.1	3.8	3.6	3.7	3.0
80°	4.1	4.4	4.5	4.1	3.8	4.0	3.0
77.5°	4.7	4.8	4.8	4.4	4.0	4.2	3.0
75°	5.3	5.4	5.2	4.6	4.2	4.5	3.0
72.5°	5.9	6.0	5.7	4.9	4.5	4.7	3.0
70°	6.6	6.6	6.3	5.2	4.7	5.0	3.0
67.5°	7.8	7.2	6.9	5.8	5.0	5.2	3.0
65°	9.1	8.2	7.5	6.4	5.3	5.5	3.0
62.5°	10.5	9.5	8.2	7.0	5.7	5.8	3.0
60°	11.9	10.9	8.9	7.6	6.0	6.0	3.0
57.5°	14.2	12.4	10.2	8.3	6.7	6.3	3.0
55°	16.6	13.9	11.6	8.9	7.4	6.6	3.0
52.5°	19.0	15.5	13.1	9.6	8.1	6.8	3.0
50°	21.4	17.8	14.5	10.2	8.9	7.1	3.0
47.5°	24.1	20.1	16.0	11.0	9.6	7.4	3.0
45°	27.8	22.6	17.6	12.2	10.4	7.7	3.0
42.5°	31.7	25.1	19.1	13.4	11.2	8.0	3.0
40°	35.8	27.7	20.9	14.8	12.0	8.2	3.0
37.5°	40.4	30.3	23.0	16.5	12.8	8.5	3.0
35°	45.1	33.7	25.0	18.2	13.6	8.8	3.0
32.5°	50.9	37.4	27.1	19.9	14.4	9.1	3.0
30°	59.3	41.1	29.1	21.6	15.2	9.4	3.0
27.5°	67.6	44.8	31.7	23.2	16.1	9.6	3.0
25°	75.7	48.5	34.4	24.9	16.9	9.9	3.0
22.5°	83.7	52.2	37.0	26.5	17.7	10.2	3.0
20°	91.4	56.1	39.5	28.2	18.6	10.4	3.0
17.5°	98.5	59.7	42.0	29.7	19.4	10.7	3.0
15°	105.1	63.2	44.3	31.3	20.2	10.9	3.0
12.5°	111.2	66.5	46.6	32.8	20.9	11.1	3.0
10°	116.7	69.5	48.9	34.3	21.7	11.4	3.0
7.5°	121.8	72.4	51.0	35.6	22.4	11.6	3.0
5°	126.2	75.1	53.0	37.0	23.1	11.8	3.0
2.5°	130.1	77.6	54.8	38.2	23.7	11.9	3.0
0°	133.4	79.8	56.6	39.4	24.3	12.1	3.0
-2.5°	137.7	83.2	59.1	41.2	25.4	12.6	3.0
-5°	141.3	86.3	61.5	42.8	26.4	13.1	3.0
-7.5°	144.3	89.2	63.7	44.4	27.4	13.5	3.0
-10°	146.6	91.8	65.8	45.8	28.3	14.0	3.0
-12.5°	148.2	94.1	67.7	47.2	29.2	14.4	3.0
-15°	149.0	96.2	69.4	48.4	30.0	14.8	3.0
-17.5°	149.1	97.9	70.9	49.5	30.7	15.2	3.0
-20°	148.5	99.4	72.3	50.5	31.4	15.5	3.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	147.4	100.5	73.5	51.4	32.0	15.8	3.0
-25°	145.4	101.5	74.4	52.1	32.5	16.1	3.0
-27.5°	142.7	102.3	75.2	52.8	33.0	16.3	3.0
-30°	139.3	102.9	75.8	53.2	33.4	16.6	3.0
-32.5°	135.0	103.1	76.5	53.6	33.7	16.8	3.0
-35°	133.5	103.0	77.1	53.8	34.0	16.9	3.0
-37.5°	133.0	102.9	77.4	53.8	34.1	17.1	3.0
-40°	132.2	103.1	77.6	53.7	34.2	17.2	3.0
-42.5°	131.0	103.1	77.6	53.6	34.3	17.2	3.0
-45°	129.4	102.7	77.5	53.5	34.2	17.2	3.0
-47.5°	127.3	102.2	77.2	53.3	34.1	17.2	3.0
-50°	125.9	101.4	76.7	53.2	33.9	17.2	3.0
-52.5°	124.3	100.4	75.9	53.0	33.6	17.1	3.0
-55°	122.4	98.9	74.9	52.6	33.2	17.0	3.0
-57.5°	120.1	97.1	73.8	52.1	32.8	16.9	3.0
-60°	117.5	95.1	72.4	51.5	32.3	16.8	3.0
-62.5°	114.7	92.9	71.3	50.8	31.8	16.6	3.0
-65°	111.7	90.4	70.1	49.9	31.2	16.3	3.0
-67.5°	108.4	88.0	68.6	48.9	30.6	16.1	3.0
-70°	104.8	85.5	67.0	47.8	29.9	15.8	3.0
-72.5°	101.1	82.8	65.2	46.6	29.1	15.5	3.0
-75°	97.2	79.9	63.2	45.4	28.3	15.1	3.0
-77.5°	92.9	76.7	61.2	44.0	27.4	14.8	3.0
-80°	88.5	73.7	59.2	42.6	26.5	14.4	3.0
-82.5°	84.7	70.8	56.9	41.0	25.5	14.0	3.0
-85°	80.9	67.7	54.6	39.4	24.4	13.5	3.0
-87.5°	76.9	64.5	52.1	37.7	23.3	13.1	3.0
-90°	3.0	3.0	3.0	3.0	3.0	3.0	3.0

(END OF REPORT)