

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: P1305620 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-40-80-1S-VHE-A**

Issue Date: 2/3/2026

Test Information

Test Method: LM-79-08
Report Number: P1305620 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-1)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-640L-40-80-1S-VHE-A
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 1S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

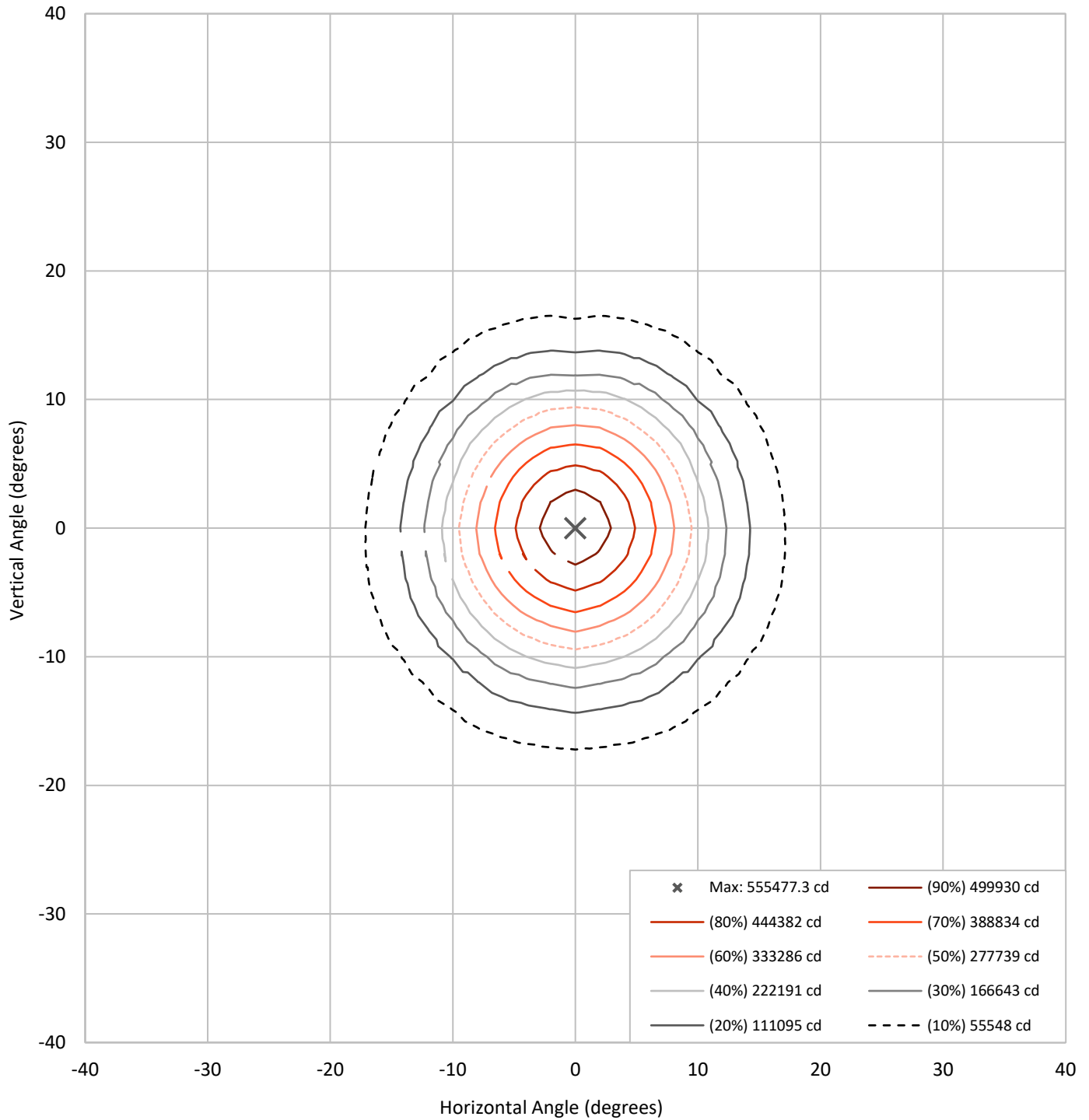
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	73217.3 lumens	Max Intensity:	555477.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	108.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	19°H x 18.9°V	Field Angle (10%):	34°H x 33.3°V
Beam Lumens:	32456 lumens	Field Lumens:	59113.5 lumens
Beam Efficiency:	44.3%	Field Efficiency:	80.7%

Input Watts (W): 677
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Candela Plot





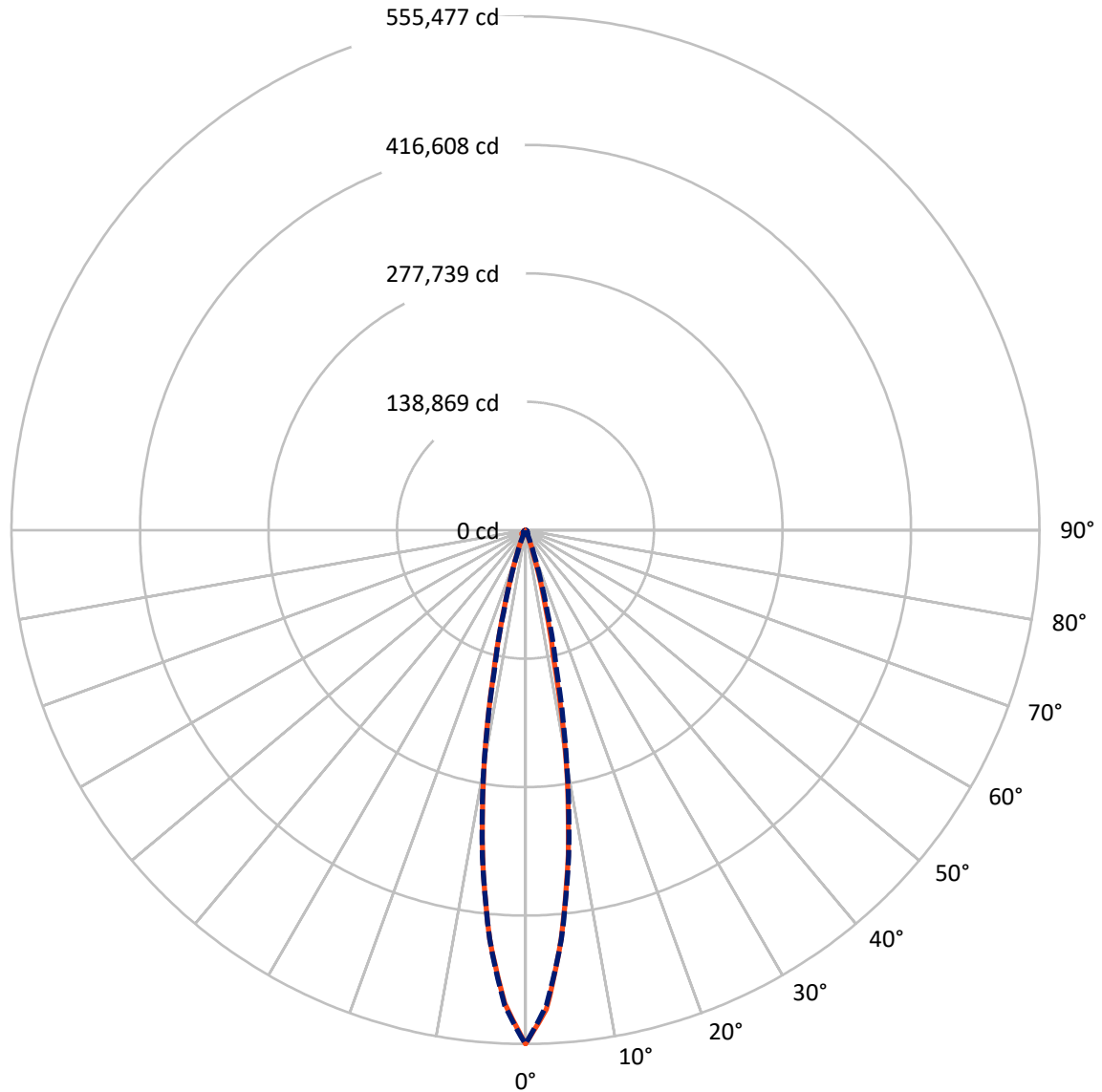
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Lumen Table

90	0.2	1.0		1.9		2.5		2.8		2.5		1.9		1.0		0.2			
80	0.2	1.0		1.9		2.5		2.8		2.5		1.9		1.0		0.2			
70	0.3	0.2	0.3	0.5	0.6	0.4	0.3	0.2	0.2	0.3	0.4	0.6	0.5	0.3	0.2	0.3			
60		0.5	0.8	1.0	0.8	0.8	1.0	1.1	1.1	1.0	0.8	0.8	1.0	0.8	0.5				
50	1.0	1.3	2.7	5.3	8.3	14.3	21.7	24.0	24.0	21.7	14.3	8.3	5.3	2.7	1.3	1.0			
40		2.8	7.9	14.3	30.0	49.0	54.9	57.6	57.6	54.9	49.0	30.0	14.3	7.9	2.8				
30	2.4	4.7	12.9	26.5	63.0	66.8	81.1	134.3	134.3	81.1	66.8	63.0	26.5	12.9	4.7	2.4			
20		6.4	16.6	47.2	83.5	98.5	613.6	2444.9	2444.9	613.6	98.5	83.5	47.2	16.6	6.4				
10	3.5	7.8	19.5	62.4	93.1	183.8	2479.0	10313.8	10313.8	2479.0	183.8	93.1	62.4	19.5	7.8	3.5			
0		8.8	21.8	66.6	103.5	205.5	2606.2	10264.1	10264.1	2606.2	205.5	103.5	66.6	21.8	8.8				
-10	4.1	9.1	23.3	65.8	114.7	141.3	723.6	2649.2	2649.2	723.6	141.3	114.7	65.8	23.3	9.1	4.1			
-20		8.8	23.6	50.9	116.9	143.1	156.1	242.5	242.5	156.1	143.1	116.9	50.9	23.6	8.8				
-30	3.9	7.9	22.0	40.6	85.6	143.8	161.6	163.4	163.4	161.6	143.8	85.6	40.6	22.0	7.9	3.9			
-40		6.6	18.1	35.5	53.0	80.2	118.8	148.1	148.1	118.8	80.2	53.0	35.5	18.1	6.6				
-50	3.3	5.1	13.1	25.9	41.3	53.8	62.7	68.4	68.4	62.7	53.8	41.3	25.9	13.1	5.1	3.3			
-60		4.1	8.6	15.8	24.9	33.5	40.8	45.7	45.7	40.8	33.5	24.9	15.8	8.6	4.1				
-70	2.3	15.4		36.9		58.0		69.2		58.0		36.9		15.4		2.3			
-80		15.4		36.9		58.0		69.2		58.0		36.9		15.4					
-90	2.3	15.4		36.9		58.0		69.2		58.0		36.9		15.4		2.3			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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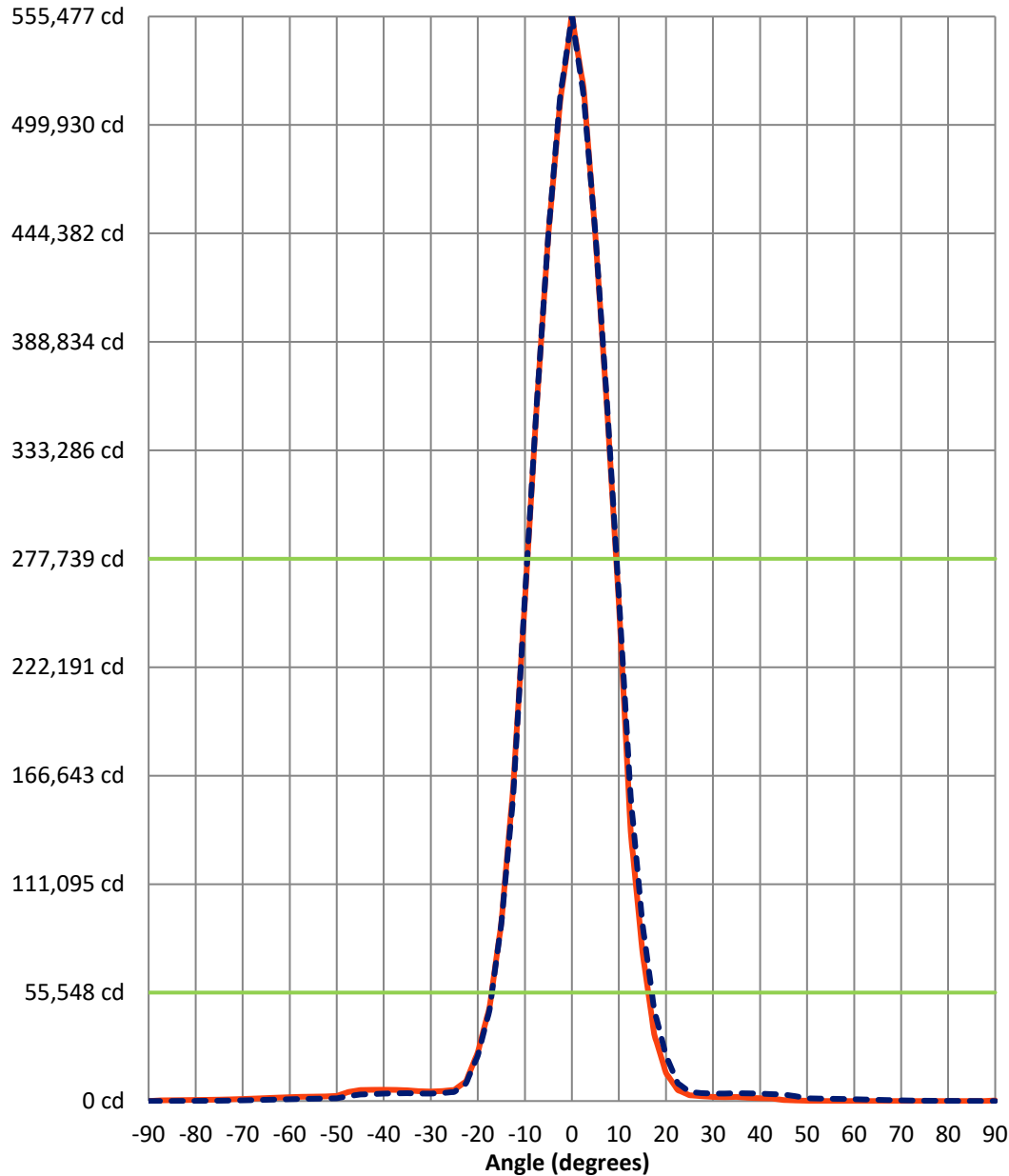
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 19°
V Angle: 18.9°
Lumens: 32456
Efficiency: 44.3%

Field:
H Angle: 34°
V Angle: 33.3°
Lumens: 59113.5
Efficiency: 80.7%

Spill:
Lumens: 14103.8
Efficiency: 19.3%

— Vertical Distribution through 0-Deg
- - Horizontal Distribution through 0-Deg

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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	8.0	21.2	34.5	51.7	68.9	86.2	103.4	115.7	128.0	140.2	152.5
87.5°	8.0	6.9	5.5	5.6	5.5	5.4	5.3	5.3	5.3	5.3	5.3
85°	8.0	7.1	5.8	5.8	5.8	5.6	5.3	5.3	5.3	5.3	5.3
82.5°	8.0	7.4	6.0	6.1	6.0	5.8	5.3	5.3	5.3	5.4	5.3
80°	8.0	7.6	6.3	6.4	6.3	5.9	5.4	5.7	5.8	5.7	5.4
77.5°	8.0	7.8	6.6	6.6	6.5	6.4	6.2	6.3	6.3	6.0	5.6
75°	8.0	8.1	6.9	6.9	6.9	7.3	7.0	7.0	6.9	6.9	6.3
72.5°	8.0	8.3	7.2	7.2	7.9	8.2	7.9	7.9	8.2	8.0	7.2
70°	8.0	8.6	7.5	7.6	8.8	9.2	8.9	9.3	9.5	9.1	8.7
67.5°	8.0	8.9	7.9	8.5	9.8	10.3	10.6	10.8	11.0	11.3	10.5
65°	8.0	9.1	8.2	9.4	10.8	11.7	12.4	12.3	13.4	13.6	12.9
62.5°	8.0	9.4	8.6	10.2	11.9	13.7	14.4	14.6	16.0	16.3	16.3
60°	8.0	9.7	9.1	11.1	12.9	15.7	16.4	17.3	18.7	20.2	20.1
57.5°	8.0	9.9	9.9	12.0	14.8	17.8	19.7	20.2	22.5	24.3	26.5
55°	8.0	10.2	10.9	12.9	16.7	20.0	23.2	23.9	26.7	29.5	34.7
52.5°	8.0	10.5	11.8	13.8	18.6	22.4	27.0	28.9	31.1	38.4	43.8
50°	8.0	10.8	12.8	14.7	20.6	25.9	30.9	34.4	36.9	47.9	58.2
47.5°	8.0	11.0	13.8	15.8	22.6	29.5	35.3	40.4	46.2	58.0	74.1
45°	8.0	11.3	14.9	17.3	24.6	33.2	40.9	46.8	57.7	73.6	91.2
42.5°	8.0	11.6	15.9	18.9	26.7	37.1	46.7	55.7	69.7	90.0	116.6
40°	8.0	11.9	17.0	20.9	29.2	41.0	52.8	66.6	83.8	107.4	145.1
37.5°	8.0	12.2	18.2	23.3	32.3	44.9	59.0	77.6	101.3	129.8	175.5
35°	8.0	12.5	19.3	25.7	35.3	49.7	65.5	88.9	119.2	157.9	209.7
32.5°	8.0	12.8	20.5	28.1	38.4	54.8	72.9	100.4	137.4	185.5	245.3
30°	8.0	13.0	21.6	30.5	41.4	60.0	82.2	112.8	155.9	212.5	279.5
27.5°	8.0	13.3	22.8	33.0	45.7	65.1	91.5	128.0	176.0	238.8	312.0
25°	8.0	13.6	24.0	35.5	50.1	70.3	100.7	143.0	198.1	265.8	343.2
22.5°	8.0	13.9	25.2	38.0	54.4	75.8	109.7	157.9	219.4	292.3	377.5
20°	8.0	14.1	26.3	40.5	58.7	82.1	118.6	172.5	239.8	317.2	409.9
17.5°	8.0	14.4	27.5	43.0	63.0	88.1	127.4	186.6	259.2	340.6	440.3
15°	8.0	14.6	28.6	45.4	67.1	94.0	136.0	199.7	277.6	362.3	468.6
12.5°	8.0	14.9	29.7	47.7	71.1	99.6	144.1	211.1	294.3	382.4	494.7
10°	8.0	15.1	30.8	50.0	75.0	104.9	151.7	221.5	309.5	404.3	521.6
7.5°	8.0	15.3	31.8	52.3	78.7	110.0	158.7	231.0	323.6	425.8	553.0
5°	8.0	15.5	32.7	54.4	82.3	114.7	165.1	239.4	336.5	446.0	582.4
2.5°	8.0	15.7	33.7	56.4	85.7	119.2	171.0	246.8	348.0	464.6	609.4
0°	8.0	15.9	34.5	58.3	88.8	123.3	176.3	253.2	358.0	481.3	633.8
-2.5°	8.0	16.7	36.4	61.4	92.8	128.4	182.6	261.9	369.7	494.2	647.4
-5°	8.0	17.4	38.2	64.3	96.5	133.2	188.2	269.4	379.6	504.8	657.9
-7.5°	8.0	18.2	39.9	67.1	100.0	137.6	193.2	275.7	387.6	513.2	665.3
-10°	8.0	18.9	41.5	69.7	103.2	141.6	197.4	280.7	393.6	519.3	669.6
-12.5°	8.0	19.6	43.0	72.1	106.2	145.3	201.1	284.4	397.5	523.5	674.1
-15°	8.0	20.2	44.4	74.3	109.0	148.5	203.9	286.7	399.8	527.2	676.7
-17.5°	8.0	20.9	45.7	76.4	111.4	151.3	206.1	288.3	400.5	528.3	675.6
-20°	8.0	21.5	46.9	78.2	113.6	153.8	208.0	289.1	399.1	526.7	670.8



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 CATALOG NUMBER: EPH-08-640L-40-80-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	8.0	22.0	48.0	79.9	115.6	155.8	209.8	288.4	395.6	522.3	662.2
-25°	8.0	22.5	48.9	81.3	117.3	157.7	210.6	286.0	389.8	515.2	649.7
-27.5°	8.0	23.0	49.7	82.5	118.7	159.3	210.6	281.9	381.9	505.8	639.2
-30°	8.0	23.5	50.3	83.4	119.8	160.3	209.7	276.2	374.5	494.8	625.6
-32.5°	8.0	23.9	50.9	84.2	120.8	160.9	207.8	273.1	366.6	481.2	608.8
-35°	8.0	24.3	51.2	84.7	121.4	161.0	207.2	270.1	356.6	465.1	588.8
-37.5°	8.0	24.6	51.4	85.0	121.7	160.9	206.7	266.0	344.6	446.5	568.1
-40°	8.0	24.9	51.5	85.0	121.6	160.9	205.7	260.7	330.5	429.3	544.6
-42.5°	8.0	25.1	51.5	84.8	121.3	160.4	203.9	254.2	320.3	410.6	517.2
-45°	8.0	25.3	51.2	84.3	120.6	159.4	201.6	248.6	311.6	389.4	487.1
-47.5°	8.0	25.4	50.9	83.6	119.7	158.0	198.6	245.0	301.4	366.1	460.4
-50°	8.0	25.5	50.4	82.7	118.3	156.2	196.0	240.7	289.1	351.7	430.9
-52.5°	8.0	25.6	49.7	81.6	116.7	153.8	193.1	235.5	280.2	335.7	400.3
-55°	8.0	25.6	48.9	80.4	114.7	151.2	189.7	229.8	272.5	317.9	379.7
-57.5°	8.0	25.5	48.0	78.9	112.3	148.1	185.6	224.9	264.1	306.0	357.2
-60°	8.0	25.4	46.9	77.1	109.7	144.6	181.1	218.9	255.2	295.3	336.8
-62.5°	8.0	25.3	46.4	75.2	106.9	140.6	176.1	212.1	247.2	283.8	323.6
-65°	8.0	25.1	45.8	73.0	103.8	136.3	170.5	204.8	238.4	273.1	309.6
-67.5°	8.0	24.9	45.1	70.7	100.4	131.6	164.5	196.9	229.1	262.1	296.2
-70°	8.0	24.6	44.3	68.1	96.7	126.6	158.0	188.4	218.8	250.4	282.6
-72.5°	8.0	24.3	43.4	66.4	92.7	121.3	151.1	179.4	207.9	237.4	268.1
-75°	8.0	24.0	42.3	64.7	88.5	115.6	143.8	169.9	196.4	223.8	252.1
-77.5°	8.0	23.6	41.2	62.9	85.5	109.6	136.1	159.9	184.2	209.4	235.5
-80°	8.0	23.2	40.0	60.9	82.5	104.8	128.0	149.6	171.5	194.3	217.8
-82.5°	8.0	22.8	38.7	58.8	79.4	100.4	122.0	139.9	158.5	178.7	199.4
-85°	8.0	22.3	37.4	56.5	76.0	95.9	116.0	132.1	148.4	165.1	182.2
-87.5°	8.0	21.8	36.0	54.2	72.6	91.1	109.8	124.0	138.3	152.8	167.5
-90°	8.0	6.7	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3



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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°	164.1	175.7	187.3	198.9	207.5	216.2	224.8	233.4	240.7	248.0	255.2
87.5°	5.0	4.7	4.3	4.0	4.0	4.0	4.0	4.0	3.7	3.4	3.0
85°	5.0	4.7	4.3	4.0	4.0	4.0	4.0	4.0	3.7	3.4	3.0
82.5°	5.0	4.7	4.4	4.0	4.0	4.0	4.0	4.0	3.8	3.6	3.4
80°	5.0	4.7	4.6	4.4	4.4	4.4	4.3	4.0	4.0	4.0	4.1
77.5°	5.4	5.4	5.3	5.2	5.1	4.8	4.7	4.7	4.7	4.6	4.4
75°	6.0	6.0	5.9	5.5	5.2	5.2	5.3	5.3	5.1	4.8	4.5
72.5°	6.9	6.9	6.5	5.8	5.6	5.7	5.6	5.5	5.8	6.6	7.3
70°	8.0	7.8	7.6	7.0	6.3	6.6	7.7	8.7	9.7	11.3	13.6
67.5°	9.4	9.7	9.4	8.7	8.6	9.9	11.2	15.4	20.0	22.5	23.6
65°	11.8	12.0	12.6	12.8	11.9	15.6	20.5	26.0	31.1	32.2	31.4
62.5°	14.6	16.1	17.2	18.2	19.6	23.3	28.9	34.4	40.1	38.4	33.1
60°	20.2	21.1	24.1	27.2	28.3	30.3	36.3	39.5	41.2	40.2	31.2
57.5°	27.2	28.7	33.8	37.4	38.5	36.2	38.4	40.4	40.1	35.4	27.1
55°	36.8	38.7	45.1	49.7	49.5	40.8	40.3	42.2	39.1	34.4	26.8
52.5°	50.7	51.9	58.9	63.9	62.2	53.1	46.7	49.7	49.2	43.0	36.6
50°	66.1	71.9	74.6	81.6	81.2	73.9	61.7	67.8	78.5	76.5	67.3
47.5°	87.8	95.5	95.8	104.3	108.2	114.5	104.2	117.1	133.0	165.3	155.0
45°	113.8	126.5	127.5	135.4	155.4	179.5	189.2	188.4	268.5	297.3	318.4
42.5°	142.6	163.0	171.5	170.9	235.3	271.9	292.7	358.8	419.7	438.0	447.9
40°	179.1	203.6	222.1	263.7	330.3	380.9	433.2	503.8	537.0	540.3	540.4
37.5°	219.1	254.7	284.7	355.4	440.4	496.6	561.6	591.9	614.9	616.2	642.3
35°	261.9	309.8	365.3	444.2	537.8	601.6	639.2	666.6	679.2	708.0	834.9
32.5°	311.1	368.8	441.3	529.1	618.5	683.5	705.9	729.6	760.2	845.8	1218.1
30°	360.6	435.3	513.4	607.9	698.7	744.4	768.0	797.8	845.7	1179.9	1695.6
27.5°	402.6	497.6	582.8	681.4	774.0	805.6	833.0	877.5	1081.5	1550.2	2266.8
25°	442.9	547.0	647.0	753.9	830.5	865.5	899.9	960.3	1358.4	2101.2	2590.3
22.5°	483.2	597.0	705.2	825.5	886.8	923.1	976.0	1201.8	1758.7	2651.6	2881.6
20°	524.5	647.0	763.0	883.4	940.9	978.7	1051.3	1475.4	2247.9	2886.6	3099.5
17.5°	565.0	695.1	817.4	924.2	983.9	1037.3	1152.4	1750.5	2688.3	3118.4	3266.6
15°	604.4	741.2	866.8	963.7	1026.7	1100.5	1389.8	2116.4	2973.9	3326.4	3467.2
12.5°	642.1	784.9	911.4	1001.6	1069.5	1163.1	1638.3	2478.1	3165.1	3490.3	3625.1
10°	677.7	825.8	951.4	1037.8	1111.7	1224.4	1888.8	2783.5	3323.0	3601.0	3703.8
7.5°	711.4	861.3	987.2	1072.0	1152.9	1283.4	2131.8	3035.4	3447.5	3694.9	3758.2
5°	740.8	890.2	1020.3	1108.8	1194.3	1335.6	2339.9	3237.0	3544.1	3773.1	3814.3
2.5°	766.1	915.1	1050.2	1144.4	1234.4	1377.3	2440.5	3318.8	3556.3	3807.5	3872.6
0°	787.6	936.1	1076.6	1177.4	1271.5	1413.4	2498.0	3361.1	3541.5	3817.2	3933.9
-2.5°	805.1	964.7	1114.3	1212.2	1307.1	1447.6	2493.8	3393.9	3578.7	3905.0	4169.1
-5°	819.0	988.8	1147.4	1244.4	1339.6	1476.8	2449.0	3384.5	3629.5	3982.7	4314.1
-7.5°	828.9	1007.6	1175.4	1274.7	1371.6	1510.2	2417.0	3425.1	3777.5	4074.9	4372.8
-10°	835.5	1020.0	1192.4	1303.0	1403.9	1543.2	2348.2	3408.1	3915.8	4167.4	4429.2
-12.5°	843.1	1027.0	1203.4	1327.7	1432.1	1569.2	2226.6	3326.7	4043.8	4267.0	4484.4
-15°	846.3	1029.4	1209.1	1348.5	1455.8	1587.8	2050.2	3176.0	4129.4	4321.2	4519.7
-17.5°	844.8	1027.2	1209.6	1365.1	1474.8	1598.5	1817.2	2896.8	3995.0	4342.5	4552.5
-20°	838.6	1020.4	1204.8	1377.3	1489.1	1611.8	1779.6	2575.9	3627.9	4326.5	4576.0



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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°	827.7	1009.1	1193.6	1370.4	1505.0	1628.7	1781.4	2243.2	3194.7	4272.7	4577.8
-25°	813.5	993.1	1176.3	1363.1	1519.0	1640.2	1776.0	1952.5	2765.7	3806.6	4532.0
-27.5°	796.3	971.5	1159.3	1349.0	1530.3	1647.6	1777.3	1938.7	2387.4	3268.1	4357.8
-30°	774.8	947.4	1135.6	1327.1	1514.5	1655.6	1777.7	1906.8	2072.5	2782.4	3721.6
-32.5°	750.4	918.1	1104.2	1294.8	1485.2	1661.0	1767.4	1884.3	2026.8	2281.8	3084.1
-35°	725.8	887.9	1065.9	1254.8	1448.1	1629.2	1758.6	1863.3	1980.1	2135.2	2501.5
-37.5°	701.8	852.6	1021.0	1206.9	1396.6	1572.3	1742.4	1845.8	1952.8	2062.0	2214.3
-40°	673.6	812.4	975.3	1151.1	1329.6	1504.7	1673.5	1828.0	1926.3	2020.9	2119.7
-42.5°	641.4	776.4	925.9	1086.7	1255.1	1425.2	1596.7	1759.0	1897.0	1981.7	2071.8
-45°	606.6	735.9	872.8	1021.0	1174.0	1338.5	1503.7	1669.2	1816.7	1948.6	2029.2
-47.5°	567.5	691.2	822.2	950.2	1092.8	1244.2	1403.4	1559.1	1711.1	1851.3	1988.3
-50°	526.8	642.6	763.5	883.0	1010.3	1148.7	1295.0	1442.5	1588.3	1731.0	1865.7
-52.5°	490.5	589.4	701.0	814.6	930.4	1053.6	1183.7	1317.2	1456.9	1595.6	1720.8
-55°	451.3	541.4	634.5	741.7	851.6	962.5	1071.2	1191.5	1316.3	1447.0	1563.9
-57.5°	419.6	491.8	573.5	664.3	767.4	871.6	967.4	1064.2	1175.2	1291.1	1392.7
-60°	391.5	448.5	515.0	593.8	678.4	772.6	862.7	952.1	1041.7	1130.2	1226.3
-62.5°	364.3	413.9	466.0	525.7	600.6	672.9	752.3	834.9	917.6	996.9	1073.7
-65°	347.9	382.5	426.8	475.6	524.4	587.4	651.7	715.1	788.1	859.8	930.0
-67.5°	330.2	362.8	395.8	431.8	476.6	517.9	559.1	616.5	673.3	727.1	782.3
-70°	313.5	342.5	373.2	404.3	434.5	465.1	502.7	540.0	576.6	616.1	663.6
-72.5°	296.5	323.3	350.8	378.8	406.0	431.3	456.8	482.3	512.1	544.3	575.7
-75°	278.1	303.3	328.4	354.0	377.5	400.0	422.8	446.0	468.6	491.1	513.6
-77.5°	258.6	281.4	304.5	328.0	348.9	368.7	388.7	409.0	428.9	448.5	468.0
-80°	238.4	258.8	279.4	300.3	318.3	335.8	353.4	371.1	388.6	405.9	423.0
-82.5°	217.3	235.1	253.2	271.5	286.9	302.0	316.9	332.0	346.7	361.4	376.1
-85°	196.7	211.0	226.4	242.0	254.9	267.7	280.4	293.1	305.4	317.6	329.8
-87.5°	180.5	193.5	206.4	219.3	229.4	239.5	249.5	259.5	268.9	278.3	287.8
-90°	5.0	4.7	4.3	4.0	4.0	4.0	4.0	4.0	3.7	3.4	3.0



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	262.5	267.5	272.5	277.4	282.4	286.7	291.1	295.4	299.7	302.4	305.0
87.5°	2.7	2.6	2.6	2.6	2.6	2.3	2.0	1.6	1.3	1.3	1.3
85°	2.7	2.7	2.7	2.7	2.7	2.4	2.0	1.7	1.3	1.3	1.3
82.5°	3.3	3.2	3.1	2.9	2.7	2.6	2.6	2.6	2.6	2.6	2.6
80°	4.0	3.7	3.4	3.1	2.7	2.7	2.7	2.7	2.7	2.7	2.7
77.5°	4.1	3.8	3.4	3.1	2.8	2.7	2.7	2.7	2.7	2.7	2.7
75°	4.1	4.0	4.2	4.2	4.0	4.0	4.0	3.9	3.8	3.6	3.3
72.5°	7.9	8.2	8.1	8.3	8.4	8.6	9.0	9.1	9.1	9.2	9.3
70°	14.9	15.4	15.8	15.6	14.7	13.9	13.6	13.2	12.8	13.1	13.9
67.5°	22.7	21.1	20.3	19.2	17.1	15.3	14.2	13.1	11.9	11.3	11.1
65°	28.2	22.2	19.4	17.2	15.4	13.4	11.6	10.0	8.5	7.6	7.2
62.5°	26.8	19.1	15.1	12.7	10.6	8.8	7.3	6.1	5.2	4.8	4.9
60°	22.8	14.9	10.5	8.5	6.4	4.2	3.9	3.7	3.4	3.2	3.4
57.5°	20.4	13.5	8.2	8.0	6.9	5.0	4.4	4.4	3.7	2.7	3.1
55°	22.8	19.2	13.4	13.7	13.4	11.3	9.6	11.5	11.0	8.6	9.5
52.5°	34.2	39.1	31.9	29.6	40.5	40.1	31.4	42.8	49.2	48.1	49.1
50°	80.3	90.7	101.7	93.2	114.4	127.0	124.3	139.2	154.6	154.2	159.0
47.5°	190.3	219.0	222.2	227.9	252.1	282.9	308.0	325.6	334.6	330.9	333.5
45°	340.6	347.1	361.9	394.9	436.1	485.7	523.5	545.4	619.4	672.0	702.7
42.5°	451.5	471.7	508.1	595.0	658.7	805.1	982.2	1050.9	1138.0	1182.1	1184.9
40°	562.6	614.0	764.6	923.0	1266.8	1522.5	1537.8	1646.2	1696.1	1641.1	1632.8
37.5°	746.3	937.0	1195.8	1561.8	1721.7	1791.1	1829.3	1843.2	1853.2	1844.1	1839.3
35°	1108.1	1439.9	1694.0	1813.3	1885.5	1887.8	1896.7	1895.5	1883.7	1877.5	1864.3
32.5°	1641.9	1958.3	1966.1	1956.8	1971.9	1963.3	1946.7	1939.0	1913.3	1897.9	1903.1
30°	2192.2	2194.0	2162.8	2090.2	2054.0	2042.9	2018.8	1999.1	1974.8	1978.4	2063.1
27.5°	2410.6	2383.8	2340.2	2277.6	2156.0	2132.2	2112.9	2104.6	2206.4	2299.3	2382.3
25°	2654.9	2585.6	2561.6	2507.0	2382.0	2243.6	2304.5	2400.2	2533.3	2671.8	2805.4
22.5°	2866.2	2816.2	2800.7	2780.5	2576.4	2516.8	2600.3	2757.7	2939.4	3180.1	3867.5
20°	3074.4	3020.4	3002.6	2900.8	2793.9	2808.6	2963.7	3238.3	3746.6	5572.9	7803.3
17.5°	3249.5	3193.5	3133.0	3014.2	2980.2	3129.1	3439.4	4403.7	6802.8	12797.7	18890.7
15°	3412.6	3339.0	3236.2	3158.3	3222.7	3499.9	4268.5	7554.1	15325.3	25387.7	38074.6
12.5°	3557.5	3445.0	3301.0	3260.6	3456.7	3923.5	6938.1	14823.2	26710.5	41045.6	70829.7
10°	3658.4	3512.5	3387.0	3456.8	3768.4	5021.6	9984.2	22223.5	39809.4	71871.9	108952.2
7.5°	3701.8	3569.7	3496.7	3646.5	4062.7	6449.0	15030.1	30735.1	56226.3	99339.2	158501.9
5°	3750.9	3659.8	3619.0	3834.4	4346.1	7611.8	18659.0	37898.1	73782.2	125136.8	201323.4
2.5°	3850.2	3763.4	3735.0	3999.3	4594.0	8696.1	21494.8	43466.8	85413.3	146663.5	239323.8
0°	4025.4	3845.1	3822.5	4081.1	4693.6	9189.7	23355.5	46825.1	90945.4	155874.2	258020.7
-2.5°	4164.5	3949.7	3906.8	4137.4	4737.5	8947.8	23166.8	46709.4	88688.4	152795.7	246147.3
-5°	4286.0	4070.5	4011.2	4225.4	4833.9	8938.8	21939.5	42858.5	79359.9	134264.2	207442.9
-7.5°	4394.0	4207.7	4120.0	4290.4	4846.6	8005.0	17745.4	35286.0	63434.4	104826.1	160558.6
-10°	4507.9	4364.8	4245.3	4359.4	4792.7	6369.2	11871.5	25435.5	45175.4	76018.6	114261.4
-12.5°	4638.1	4566.0	4390.3	4406.9	4719.9	5374.7	8774.3	17757.8	31363.5	47886.8	75607.6
-15°	4748.5	4745.3	4598.2	4551.4	4707.0	5126.9	6121.6	9861.5	19025.0	30782.6	44495.6
-17.5°	4771.6	4889.1	4832.8	4689.8	4699.0	4934.4	5344.5	6535.0	9556.5	16937.3	25096.4
-20°	4786.4	5037.4	5043.3	4927.3	4825.6	4799.3	4986.8	5334.0	6009.2	8503.4	11786.5



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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°	4809.1	5047.7	5217.4	5185.3	4985.7	4869.0	4827.0	4958.5	5187.0	5508.9	6574.1
-25°	4819.9	5042.5	5285.5	5352.1	5268.4	5054.8	4894.9	4805.7	4886.5	4988.6	5197.0
-27.5°	4773.9	5034.6	5270.1	5467.6	5491.6	5351.9	5117.0	4926.4	4852.3	4782.2	4868.0
-30°	4697.5	4988.7	5235.0	5478.0	5575.1	5530.4	5407.4	5252.7	5072.2	4931.8	4882.4
-32.5°	4072.1	4920.0	5172.3	5382.9	5543.1	5588.9	5590.2	5507.4	5430.2	5321.8	5195.1
-35°	3354.9	4295.5	5116.4	5222.4	5369.3	5521.0	5633.7	5637.6	5628.6	5577.2	5523.8
-37.5°	2608.0	3484.5	4274.0	4905.9	5128.2	5306.7	5499.7	5630.1	5712.1	5697.3	5687.4
-40°	2270.6	2546.8	3285.4	3929.6	4470.1	4978.6	5187.6	5421.9	5610.4	5676.0	5720.2
-42.5°	2166.3	2284.5	2404.7	2892.9	3449.7	3939.5	4400.0	4839.2	5231.4	5453.6	5608.3
-45°	2109.2	2174.9	2248.6	2357.2	2451.2	2856.8	3269.5	3670.3	4159.6	4610.0	5000.6
-47.5°	2056.3	2107.7	2164.7	2220.7	2272.8	2346.5	2410.3	2524.1	2890.6	3260.1	3630.9
-50°	1971.1	2056.1	2103.4	2145.1	2182.0	2216.3	2245.8	2297.2	2358.0	2411.0	2464.6
-52.5°	1828.8	1924.5	2015.3	2084.1	2113.1	2141.5	2170.5	2209.5	2245.5	2278.4	2303.7
-55°	1669.2	1766.1	1857.7	1927.4	1990.0	2047.6	2098.9	2133.4	2167.1	2199.4	2224.1
-57.5°	1493.7	1592.4	1682.0	1748.9	1811.5	1869.5	1926.1	1980.4	2030.1	2074.9	2113.0
-60°	1316.0	1399.3	1480.2	1551.0	1615.5	1673.7	1729.6	1783.0	1831.9	1875.9	1914.1
-62.5°	1149.1	1226.3	1290.3	1348.2	1403.7	1457.4	1513.9	1566.0	1613.3	1656.5	1696.1
-65°	998.6	1065.1	1113.6	1158.9	1201.7	1247.8	1297.6	1343.4	1385.2	1423.9	1459.8
-67.5°	843.8	901.4	944.0	983.2	1019.7	1056.5	1096.2	1133.3	1167.4	1200.0	1230.6
-70°	709.5	749.6	779.3	809.4	841.8	874.9	909.2	940.4	968.4	995.1	1019.7
-72.5°	606.1	630.8	651.6	677.3	700.5	725.2	750.6	774.1	795.7	816.6	836.3
-75°	536.2	554.3	571.3	587.2	602.0	619.7	638.0	655.4	671.7	686.9	701.4
-77.5°	487.5	501.6	513.3	524.4	534.9	548.6	562.9	576.9	590.5	602.0	612.7
-80°	440.0	451.3	461.3	470.9	480.1	492.0	504.0	515.7	527.2	537.6	547.6
-82.5°	390.7	400.0	408.4	416.6	424.5	434.5	444.5	454.2	463.5	472.1	480.5
-85°	341.8	348.8	355.4	361.9	368.1	376.3	384.3	392.3	400.0	405.6	411.0
-87.5°	297.2	302.4	307.5	312.4	317.3	323.2	329.0	334.8	340.6	344.4	348.0
-90°	2.7	2.4	2.0	1.7	1.3	1.3	1.3	1.3	1.3	1.3	1.3



REPORT NUMBER: P1305620 (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°	307.7	310.3	309.6	308.9	309.6	310.3	307.7	305.0	302.4	299.7	295.4
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.7
82.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6
80°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
77.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
75°	3.0	2.7	2.7	2.7	2.7	2.7	3.0	3.3	3.6	3.8	3.9
72.5°	9.3	9.1	9.3	9.3	9.3	9.1	9.3	9.3	9.2	9.1	9.1
70°	14.7	15.6	15.8	15.9	15.8	15.6	14.7	13.9	13.1	12.8	13.2
67.5°	11.0	10.8	10.1	9.3	10.1	10.8	11.0	11.1	11.3	11.9	13.1
65°	7.0	6.8	6.6	6.6	6.6	6.8	7.0	7.2	7.6	8.5	10.0
62.5°	5.0	5.3	5.3	5.3	5.3	5.3	5.0	4.9	4.8	5.2	6.1
60°	3.7	4.0	4.0	4.0	4.0	4.0	3.7	3.4	3.2	3.4	3.7
57.5°	3.5	3.9	4.0	4.0	4.0	3.9	3.5	3.1	2.7	3.7	4.4
55°	10.1	10.3	10.0	9.3	10.0	10.3	10.1	9.5	8.6	11.0	11.5
52.5°	48.3	44.6	38.9	31.8	38.9	44.6	48.3	49.1	48.1	49.2	42.8
50°	168.3	172.8	168.8	156.5	168.8	172.8	168.3	159.0	154.2	154.6	139.2
47.5°	346.6	350.4	338.4	310.3	338.4	350.4	346.6	333.5	330.9	334.6	325.6
45°	725.6	720.0	657.5	527.7	657.5	720.0	725.6	702.7	672.0	619.4	545.4
42.5°	1251.3	1307.0	1339.9	1340.5	1339.9	1307.0	1251.3	1184.9	1182.1	1138.0	1050.9
40°	1619.5	1554.1	1482.8	1471.7	1482.8	1554.1	1619.5	1632.8	1641.1	1696.1	1646.2
37.5°	1828.2	1841.9	1834.0	1679.9	1834.0	1841.9	1828.2	1839.3	1844.1	1853.2	1843.2
35°	1894.6	1998.2	2104.8	2126.7	2104.8	1998.2	1894.6	1864.3	1877.5	1883.7	1895.5
32.5°	1926.7	1962.3	1971.9	1975.6	1971.9	1962.3	1926.7	1903.1	1897.9	1913.3	1939.0
30°	2102.1	2125.3	2122.0	2117.4	2122.0	2125.3	2102.1	2063.1	1978.4	1974.8	1999.1
27.5°	2421.4	2459.8	2476.9	2488.7	2476.9	2459.8	2421.4	2382.3	2299.3	2206.4	2104.6
25°	2878.5	2937.2	2977.5	2995.2	2977.5	2937.2	2878.5	2805.4	2671.8	2533.3	2400.2
22.5°	4661.3	5068.1	5470.6	5678.8	5470.6	5068.1	4661.3	3867.5	3180.1	2939.4	2757.7
20°	11636.5	13394.0	14196.7	14431.0	14196.7	13394.0	11636.5	7803.3	5572.9	3746.6	3238.3
17.5°	27099.0	33761.1	38217.0	34312.7	38217.0	33761.1	27099.0	18890.7	12797.7	6802.8	4403.7
15°	55465.4	72338.0	81779.5	76466.7	81779.5	72338.0	55465.4	38074.6	25387.7	15325.3	7554.1
12.5°	99932.8	126265.1	143950.7	138118.6	143950.7	126265.1	99932.8	70829.7	41045.6	26710.5	14823.2
10°	157292.0	210242.1	245499.4	254215.4	245499.4	210242.1	157292.0	108952.2	71871.9	39809.4	22223.5
7.5°	228260.8	293820.2	345569.5	353578.9	345569.5	293820.2	228260.8	158501.9	99339.2	56226.3	30735.1
5°	297689.2	375073.7	428917.7	442896.1	428917.7	375073.7	297689.2	201323.4	125136.8	73782.2	37898.1
2.5°	340781.5	425008.2	489866.3	518434.7	489866.3	425008.2	340781.5	239323.8	146663.5	85413.3	43466.8
0°	356162.4	444126.5	514497.4	555477.3	514497.4	444126.5	356162.4	258020.7	155874.2	90945.4	46825.1
-2.5°	344237.4	423897.1	483302.7	511790.6	483302.7	423897.1	344237.4	246147.3	152795.7	88688.4	46709.4
-5°	293193.0	372340.7	420674.1	443879.9	420674.1	372340.7	293193.0	207442.9	134264.2	79359.9	42858.5
-7.5°	229104.2	292452.3	334189.3	355301.2	334189.3	292452.3	229104.2	160558.6	104826.1	63434.4	35286.0
-10°	160304.2	210562.6	238696.7	255923.1	238696.7	210562.6	160304.2	114261.4	76018.6	45175.4	25435.5
-12.5°	104301.7	133555.1	149312.1	160349.0	149312.1	133555.1	104301.7	75607.6	47886.8	31363.5	17757.8
-15°	63317.4	77574.3	86129.0	91491.7	86129.0	77574.3	63317.4	44495.6	30782.6	19025.0	9861.5
-17.5°	35340.0	41463.5	45799.5	48198.7	45799.5	41463.5	35340.0	25096.4	16937.3	9556.5	6535.0
-20°	17535.8	21409.6	23954.0	25022.2	23954.0	21409.6	17535.8	11786.5	8503.4	6009.2	5334.0



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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°	8092.9	9127.7	9812.7	10139.1	9812.7	9127.7	8092.9	6574.1	5508.9	5187.0	4958.5
-25°	5399.6	5561.9	5681.3	5733.1	5681.3	5561.9	5399.6	5197.0	4988.6	4886.5	4805.7
-27.5°	4945.7	5031.7	5103.0	5131.2	5103.0	5031.7	4945.7	4868.0	4782.2	4852.3	4926.4
-30°	4844.6	4848.4	4868.6	4868.7	4868.6	4848.4	4844.6	4882.4	4931.8	5072.2	5252.7
-32.5°	5099.1	5043.2	5018.9	5045.0	5018.9	5043.2	5099.1	5195.1	5321.8	5430.2	5507.4
-35°	5488.2	5473.0	5474.3	5502.4	5474.3	5473.0	5488.2	5523.8	5577.2	5628.6	5637.6
-37.5°	5690.0	5701.8	5715.2	5718.6	5715.2	5701.8	5690.0	5687.4	5697.3	5712.1	5630.1
-40°	5746.0	5769.2	5786.7	5792.8	5786.7	5769.2	5746.0	5720.2	5676.0	5610.4	5421.9
-42.5°	5676.6	5722.8	5747.2	5753.0	5747.2	5722.8	5676.6	5608.3	5453.6	5231.4	4839.2
-45°	5284.1	5489.9	5606.3	5637.7	5606.3	5489.9	5284.1	5000.6	4610.0	4159.6	3670.3
-47.5°	3991.6	4314.5	4539.4	4643.3	4539.4	4314.5	3991.6	3630.9	3260.1	2890.6	2524.1
-50°	2520.8	2574.0	2613.8	2638.5	2613.8	2574.0	2520.8	2464.6	2411.0	2358.0	2297.2
-52.5°	2325.7	2345.2	2356.6	2361.4	2356.6	2345.2	2325.7	2303.7	2278.4	2245.5	2209.5
-55°	2245.3	2263.4	2271.3	2272.6	2271.3	2263.4	2245.3	2224.1	2199.4	2167.1	2133.4
-57.5°	2146.0	2173.5	2185.7	2187.7	2185.7	2173.5	2146.0	2113.0	2074.9	2030.1	1980.4
-60°	1946.6	1973.3	1986.4	1991.5	1986.4	1973.3	1946.6	1914.1	1875.9	1831.9	1783.0
-62.5°	1730.5	1759.5	1768.4	1767.4	1768.4	1759.5	1730.5	1696.1	1656.5	1613.3	1566.0
-65°	1491.0	1517.7	1525.3	1524.8	1525.3	1517.7	1491.0	1459.8	1423.9	1385.2	1343.4
-67.5°	1257.8	1281.3	1289.4	1291.4	1289.4	1281.3	1257.8	1230.6	1200.0	1167.4	1133.3
-70°	1041.3	1059.9	1064.6	1064.7	1064.6	1059.9	1041.3	1019.7	995.1	968.4	940.4
-72.5°	854.1	870.1	872.8	872.4	872.8	870.1	854.1	836.3	816.6	795.7	774.1
-75°	715.0	727.7	728.1	726.6	728.1	727.7	715.0	701.4	686.9	671.7	655.4
-77.5°	622.7	632.1	634.1	635.1	634.1	632.1	622.7	612.7	602.0	590.5	576.9
-80°	557.1	566.2	565.9	564.8	565.9	566.2	557.1	547.6	537.6	527.2	515.7
-82.5°	488.5	496.2	496.3	495.9	496.3	496.2	488.5	480.5	472.1	463.5	454.2
-85°	416.1	421.1	420.8	420.3	420.8	421.1	416.1	411.0	405.6	400.0	392.3
-87.5°	351.6	355.1	355.3	355.3	355.3	355.1	351.6	348.0	344.4	340.6	334.8
-90°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	291.1	286.7	282.4	277.4	272.5	267.5	262.5	255.2	248.0	240.7	233.4
87.5°	2.0	2.3	2.6	2.6	2.6	2.6	2.7	3.0	3.4	3.7	4.0
85°	2.0	2.4	2.7	2.7	2.7	2.7	2.7	3.0	3.4	3.7	4.0
82.5°	2.6	2.6	2.7	2.9	3.1	3.2	3.3	3.4	3.6	3.8	4.0
80°	2.7	2.7	2.7	3.1	3.4	3.7	4.0	4.1	4.0	4.0	4.0
77.5°	2.7	2.7	2.8	3.1	3.4	3.8	4.1	4.4	4.6	4.7	4.7
75°	4.0	4.0	4.0	4.2	4.2	4.0	4.1	4.5	4.8	5.1	5.3
72.5°	9.0	8.6	8.4	8.3	8.1	8.2	7.9	7.3	6.6	5.8	5.5
70°	13.6	13.9	14.7	15.6	15.8	15.4	14.9	13.6	11.3	9.7	8.7
67.5°	14.2	15.3	17.1	19.2	20.3	21.1	22.7	23.6	22.5	20.0	15.4
65°	11.6	13.4	15.4	17.2	19.4	22.2	28.2	31.4	32.2	31.1	26.0
62.5°	7.3	8.8	10.6	12.7	15.1	19.1	26.8	33.1	38.4	40.1	34.4
60°	3.9	4.2	6.4	8.5	10.5	14.9	22.8	31.2	40.2	41.2	39.5
57.5°	4.4	5.0	6.9	8.0	8.2	13.5	20.4	27.1	35.4	40.1	40.4
55°	9.6	11.3	13.4	13.7	13.4	19.2	22.8	26.8	34.4	39.1	42.2
52.5°	31.4	40.1	40.5	29.6	31.9	39.1	34.2	36.6	43.0	49.2	49.7
50°	124.3	127.0	114.4	93.2	101.7	90.7	80.3	67.3	76.5	78.5	67.8
47.5°	308.0	282.9	252.1	227.9	222.2	219.0	190.3	155.0	165.3	133.0	117.1
45°	523.5	485.7	436.1	394.9	361.9	347.1	340.6	318.4	297.3	268.5	188.4
42.5°	982.2	805.1	658.7	595.0	508.1	471.7	451.5	447.9	438.0	419.7	358.8
40°	1537.8	1522.5	1266.8	923.0	764.6	614.0	562.6	540.4	540.3	537.0	503.8
37.5°	1829.3	1791.1	1721.7	1561.8	1195.8	937.0	746.3	642.3	616.2	614.9	591.9
35°	1896.7	1887.8	1885.5	1813.3	1694.0	1439.9	1108.1	834.9	708.0	679.2	666.6
32.5°	1946.7	1963.3	1971.9	1956.8	1966.1	1958.3	1641.9	1218.1	845.8	760.2	729.6
30°	2018.8	2042.9	2054.0	2090.2	2162.8	2194.0	2192.2	1695.6	1179.9	845.7	797.8
27.5°	2112.9	2132.2	2156.0	2277.6	2340.2	2383.8	2410.6	2266.8	1550.2	1081.5	877.5
25°	2304.5	2243.6	2382.0	2507.0	2561.6	2585.6	2654.9	2590.3	2101.2	1358.4	960.3
22.5°	2600.3	2516.8	2576.4	2780.5	2800.7	2816.2	2866.2	2881.6	2651.6	1758.7	1201.8
20°	2963.7	2808.6	2793.9	2900.8	3002.6	3020.4	3074.4	3099.5	2886.6	2247.9	1475.4
17.5°	3439.4	3129.1	2980.2	3014.2	3133.0	3193.5	3249.5	3266.6	3118.4	2688.3	1750.5
15°	4268.5	3499.9	3222.7	3158.3	3236.2	3339.0	3412.6	3467.2	3326.4	2973.9	2116.4
12.5°	6938.1	3923.5	3456.7	3260.6	3301.0	3445.0	3557.5	3625.1	3490.3	3165.1	2478.1
10°	9984.2	5021.6	3768.4	3456.8	3387.0	3512.5	3658.4	3703.8	3601.0	3323.0	2783.5
7.5°	15030.1	6449.0	4062.7	3646.5	3496.7	3569.7	3701.8	3758.2	3694.9	3447.5	3035.4
5°	18659.0	7611.8	4346.1	3834.4	3619.0	3659.8	3750.9	3814.3	3773.1	3544.1	3237.0
2.5°	21494.8	8696.1	4594.0	3999.3	3735.0	3763.4	3850.2	3872.6	3807.5	3556.3	3318.8
0°	23355.5	9189.7	4693.6	4081.1	3822.5	3845.1	4025.4	3933.9	3817.2	3541.5	3361.1
-2.5°	23166.8	8947.8	4737.5	4137.4	3906.8	3949.7	4164.5	4169.1	3905.0	3578.7	3393.9
-5°	21939.5	8938.8	4833.9	4225.4	4011.2	4070.5	4286.0	4314.1	3982.7	3629.5	3384.5
-7.5°	17745.4	8005.0	4846.6	4290.4	4120.0	4207.7	4394.0	4372.8	4074.9	3777.5	3425.1
-10°	11871.5	6369.2	4792.7	4359.4	4245.3	4364.8	4507.9	4429.2	4167.4	3915.8	3408.1
-12.5°	8774.3	5374.7	4719.9	4406.9	4390.3	4566.0	4638.1	4484.4	4267.0	4043.8	3326.7
-15°	6121.6	5126.9	4707.0	4551.4	4598.2	4745.3	4748.5	4519.7	4321.2	4129.4	3176.0
-17.5°	5344.5	4934.4	4699.0	4689.8	4832.8	4889.1	4771.6	4552.5	4342.5	3995.0	2896.8
-20°	4986.8	4799.3	4825.6	4927.3	5043.3	5037.4	4786.4	4576.0	4326.5	3627.9	2575.9



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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°	4827.0	4869.0	4985.7	5185.3	5217.4	5047.7	4809.1	4577.8	4272.7	3194.7	2243.2
-25°	4894.9	5054.8	5268.4	5352.1	5285.5	5042.5	4819.9	4532.0	3806.6	2765.7	1952.5
-27.5°	5117.0	5351.9	5491.6	5467.6	5270.1	5034.6	4773.9	4357.8	3268.1	2387.4	1938.7
-30°	5407.4	5530.4	5575.1	5478.0	5235.0	4988.7	4697.5	3721.6	2782.4	2072.5	1906.8
-32.5°	5590.2	5588.9	5543.1	5382.9	5172.3	4920.0	4072.1	3084.1	2281.8	2026.8	1884.3
-35°	5633.7	5521.0	5369.3	5222.4	5116.4	4295.5	3354.9	2501.5	2135.2	1980.1	1863.3
-37.5°	5499.7	5306.7	5128.2	4905.9	4274.0	3484.5	2608.0	2214.3	2062.0	1952.8	1845.8
-40°	5187.6	4978.6	4470.1	3929.6	3285.4	2546.8	2270.6	2119.7	2020.9	1926.3	1828.0
-42.5°	4400.0	3939.5	3449.7	2892.9	2404.7	2284.5	2166.3	2071.8	1981.7	1897.0	1759.0
-45°	3269.5	2856.8	2451.2	2357.2	2248.6	2174.9	2109.2	2029.2	1948.6	1816.7	1669.2
-47.5°	2410.3	2346.5	2272.8	2220.7	2164.7	2107.7	2056.3	1988.3	1851.3	1711.1	1559.1
-50°	2245.8	2216.3	2182.0	2145.1	2103.4	2056.1	1971.1	1865.7	1731.0	1588.3	1442.5
-52.5°	2170.5	2141.5	2113.1	2084.1	2015.3	1924.5	1828.8	1720.8	1595.6	1456.9	1317.2
-55°	2098.9	2047.6	1990.0	1927.4	1857.7	1766.1	1669.2	1563.9	1447.0	1316.3	1191.5
-57.5°	1926.1	1869.5	1811.5	1748.9	1682.0	1592.4	1493.7	1392.7	1291.1	1175.2	1064.2
-60°	1729.6	1673.7	1615.5	1551.0	1480.2	1399.3	1316.0	1226.3	1130.2	1041.7	952.1
-62.5°	1513.9	1457.4	1403.7	1348.2	1290.3	1226.3	1149.1	1073.7	996.9	917.6	834.9
-65°	1297.6	1247.8	1201.7	1158.9	1113.6	1065.1	998.6	930.0	859.8	788.1	715.1
-67.5°	1096.2	1056.5	1019.7	983.2	944.0	901.4	843.8	782.3	727.1	673.3	616.5
-70°	909.2	874.9	841.8	809.4	779.3	749.6	709.5	663.6	616.1	576.6	540.0
-72.5°	750.6	725.2	700.5	677.3	651.6	630.8	606.1	575.7	544.3	512.1	482.3
-75°	638.0	619.7	602.0	587.2	571.3	554.3	536.2	513.6	491.1	468.6	446.0
-77.5°	562.9	548.6	534.9	524.4	513.3	501.6	487.5	468.0	448.5	428.9	409.0
-80°	504.0	492.0	480.1	470.9	461.3	451.3	440.0	423.0	405.9	388.6	371.1
-82.5°	444.5	434.5	424.5	416.6	408.4	400.0	390.7	376.1	361.4	346.7	332.0
-85°	384.3	376.3	368.1	361.9	355.4	348.8	341.8	329.8	317.6	305.4	293.1
-87.5°	329.0	323.2	317.3	312.4	307.5	302.4	297.2	287.8	278.3	268.9	259.5
-90°	1.3	1.3	1.3	1.7	2.0	2.4	2.7	3.0	3.4	3.7	4.0



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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°	224.8	216.2	207.5	198.9	187.3	175.7	164.1	152.5	140.2	128.0	115.7
87.5°	4.0	4.0	4.0	4.0	4.3	4.7	5.0	5.3	5.3	5.3	5.3
85°	4.0	4.0	4.0	4.0	4.3	4.7	5.0	5.3	5.3	5.3	5.3
82.5°	4.0	4.0	4.0	4.0	4.4	4.7	5.0	5.3	5.4	5.3	5.3
80°	4.3	4.4	4.4	4.4	4.6	4.7	5.0	5.4	5.7	5.8	5.7
77.5°	4.7	4.8	5.1	5.2	5.3	5.4	5.4	5.6	6.0	6.3	6.3
75°	5.3	5.2	5.2	5.5	5.9	6.0	6.0	6.3	6.9	6.9	7.0
72.5°	5.6	5.7	5.6	5.8	6.5	6.9	6.9	7.2	8.0	8.2	7.9
70°	7.7	6.6	6.3	7.0	7.6	7.8	8.0	8.7	9.1	9.5	9.3
67.5°	11.2	9.9	8.6	8.7	9.4	9.7	9.4	10.5	11.3	11.0	10.8
65°	20.5	15.6	11.9	12.8	12.6	12.0	11.8	12.9	13.6	13.4	12.3
62.5°	28.9	23.3	19.6	18.2	17.2	16.1	14.6	16.3	16.3	16.0	14.6
60°	36.3	30.3	28.3	27.2	24.1	21.1	20.2	20.1	20.2	18.7	17.3
57.5°	38.4	36.2	38.5	37.4	33.8	28.7	27.2	26.5	24.3	22.5	20.2
55°	40.3	40.8	49.5	49.7	45.1	38.7	36.8	34.7	29.5	26.7	23.9
52.5°	46.7	53.1	62.2	63.9	58.9	51.9	50.7	43.8	38.4	31.1	28.9
50°	61.7	73.9	81.2	81.6	74.6	71.9	66.1	58.2	47.9	36.9	34.4
47.5°	104.2	114.5	108.2	104.3	95.8	95.5	87.8	74.1	58.0	46.2	40.4
45°	189.2	179.5	155.4	135.4	127.5	126.5	113.8	91.2	73.6	57.7	46.8
42.5°	292.7	271.9	235.3	170.9	171.5	163.0	142.6	116.6	90.0	69.7	55.7
40°	433.2	380.9	330.3	263.7	222.1	203.6	179.1	145.1	107.4	83.8	66.6
37.5°	561.6	496.6	440.4	355.4	284.7	254.7	219.1	175.5	129.8	101.3	77.6
35°	639.2	601.6	537.8	444.2	365.3	309.8	261.9	209.7	157.9	119.2	88.9
32.5°	705.9	683.5	618.5	529.1	441.3	368.8	311.1	245.3	185.5	137.4	100.4
30°	768.0	744.4	698.7	607.9	513.4	435.3	360.6	279.5	212.5	155.9	112.8
27.5°	833.0	805.6	774.0	681.4	582.8	497.6	402.6	312.0	238.8	176.0	128.0
25°	899.9	865.5	830.5	753.9	647.0	547.0	442.9	343.2	265.8	198.1	143.0
22.5°	976.0	923.1	886.8	825.5	705.2	597.0	483.2	377.5	292.3	219.4	157.9
20°	1051.3	978.7	940.9	883.4	763.0	647.0	524.5	409.9	317.2	239.8	172.5
17.5°	1152.4	1037.3	983.9	924.2	817.4	695.1	565.0	440.3	340.6	259.2	186.6
15°	1389.8	1100.5	1026.7	963.7	866.8	741.2	604.4	468.6	362.3	277.6	199.7
12.5°	1638.3	1163.1	1069.5	1001.6	911.4	784.9	642.1	494.7	382.4	294.3	211.1
10°	1888.8	1224.4	1111.7	1037.8	951.4	825.8	677.7	521.6	404.3	309.5	221.5
7.5°	2131.8	1283.4	1152.9	1072.0	987.2	861.3	711.4	553.0	425.8	323.6	231.0
5°	2339.9	1335.6	1194.3	1108.8	1020.3	890.2	740.8	582.4	446.0	336.5	239.4
2.5°	2440.5	1377.3	1234.4	1144.4	1050.2	915.1	766.1	609.4	464.6	348.0	246.8
0°	2498.0	1413.4	1271.5	1177.4	1076.6	936.1	787.6	633.8	481.3	358.0	253.2
-2.5°	2493.8	1447.6	1307.1	1212.2	1114.3	964.7	805.1	647.4	494.2	369.7	261.9
-5°	2449.0	1476.8	1339.6	1244.4	1147.4	988.8	819.0	657.9	504.8	379.6	269.4
-7.5°	2417.0	1510.2	1371.6	1274.7	1175.4	1007.6	828.9	665.3	513.2	387.6	275.7
-10°	2348.2	1543.2	1403.9	1303.0	1192.4	1020.0	835.5	669.6	519.3	393.6	280.7
-12.5°	2226.6	1569.2	1432.1	1327.7	1203.4	1027.0	843.1	674.1	523.5	397.5	284.4
-15°	2050.2	1587.8	1455.8	1348.5	1209.1	1029.4	846.3	676.7	527.2	399.8	286.7
-17.5°	1817.2	1598.5	1474.8	1365.1	1209.6	1027.2	844.8	675.6	528.3	400.5	288.3
-20°	1779.6	1611.8	1489.1	1377.3	1204.8	1020.4	838.6	670.8	526.7	399.1	289.1



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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°	1781.4	1628.7	1505.0	1370.4	1193.6	1009.1	827.7	662.2	522.3	395.6	288.4
-25°	1776.0	1640.2	1519.0	1363.1	1176.3	993.1	813.5	649.7	515.2	389.8	286.0
-27.5°	1777.3	1647.6	1530.3	1349.0	1159.3	971.5	796.3	639.2	505.8	381.9	281.9
-30°	1777.7	1655.6	1514.5	1327.1	1135.6	947.4	774.8	625.6	494.8	374.5	276.2
-32.5°	1767.4	1661.0	1485.2	1294.8	1104.2	918.1	750.4	608.8	481.2	366.6	273.1
-35°	1758.6	1629.2	1448.1	1254.8	1065.9	887.9	725.8	588.8	465.1	356.6	270.1
-37.5°	1742.4	1572.3	1396.6	1206.9	1021.0	852.6	701.8	568.1	446.5	344.6	266.0
-40°	1673.5	1504.7	1329.6	1151.1	975.3	812.4	673.6	544.6	429.3	330.5	260.7
-42.5°	1596.7	1425.2	1255.1	1086.7	925.9	776.4	641.4	517.2	410.6	320.3	254.2
-45°	1503.7	1338.5	1174.0	1021.0	872.8	735.9	606.6	487.1	389.4	311.6	248.6
-47.5°	1403.4	1244.2	1092.8	950.2	822.2	691.2	567.5	460.4	366.1	301.4	245.0
-50°	1295.0	1148.7	1010.3	883.0	763.5	642.6	526.8	430.9	351.7	289.1	240.7
-52.5°	1183.7	1053.6	930.4	814.6	701.0	589.4	490.5	400.3	335.7	280.2	235.5
-55°	1071.2	962.5	851.6	741.7	634.5	541.4	451.3	379.7	317.9	272.5	229.8
-57.5°	967.4	871.6	767.4	664.3	573.5	491.8	419.6	357.2	306.0	264.1	224.9
-60°	862.7	772.6	678.4	593.8	515.0	448.5	391.5	336.8	295.3	255.2	218.9
-62.5°	752.3	672.9	600.6	525.7	466.0	413.9	364.3	323.6	283.8	247.2	212.1
-65°	651.7	587.4	524.4	475.6	426.8	382.5	347.9	309.6	273.1	238.4	204.8
-67.5°	559.1	517.9	476.6	431.8	395.8	362.8	330.2	296.2	262.1	229.1	196.9
-70°	502.7	465.1	434.5	404.3	373.2	342.5	313.5	282.6	250.4	218.8	188.4
-72.5°	456.8	431.3	406.0	378.8	350.8	323.3	296.5	268.1	237.4	207.9	179.4
-75°	422.8	400.0	377.5	354.0	328.4	303.3	278.1	252.1	223.8	196.4	169.9
-77.5°	388.7	368.7	348.9	328.0	304.5	281.4	258.6	235.5	209.4	184.2	159.9
-80°	353.4	335.8	318.3	300.3	279.4	258.8	238.4	217.8	194.3	171.5	149.6
-82.5°	316.9	302.0	286.9	271.5	253.2	235.1	217.3	199.4	178.7	158.5	139.9
-85°	280.4	267.7	254.9	242.0	226.4	211.0	196.7	182.2	165.1	148.4	132.1
-87.5°	249.5	239.5	229.4	219.3	206.4	193.5	180.5	167.5	152.8	138.3	124.0
-90°	4.0	4.0	4.0	4.0	4.3	4.7	5.0	5.3	5.3	5.3	5.3



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	103.4	86.2	68.9	51.7	34.5	21.2	8.0
87.5°	5.3	5.4	5.5	5.6	5.5	6.9	8.0
85°	5.3	5.6	5.8	5.8	5.8	7.1	8.0
82.5°	5.3	5.8	6.0	6.1	6.0	7.4	8.0
80°	5.4	5.9	6.3	6.4	6.3	7.6	8.0
77.5°	6.2	6.4	6.5	6.6	6.6	7.8	8.0
75°	7.0	7.3	6.9	6.9	6.9	8.1	8.0
72.5°	7.9	8.2	7.9	7.2	7.2	8.3	8.0
70°	8.9	9.2	8.8	7.6	7.5	8.6	8.0
67.5°	10.6	10.3	9.8	8.5	7.9	8.9	8.0
65°	12.4	11.7	10.8	9.4	8.2	9.1	8.0
62.5°	14.4	13.7	11.9	10.2	8.6	9.4	8.0
60°	16.4	15.7	12.9	11.1	9.1	9.7	8.0
57.5°	19.7	17.8	14.8	12.0	9.9	9.9	8.0
55°	23.2	20.0	16.7	12.9	10.9	10.2	8.0
52.5°	27.0	22.4	18.6	13.8	11.8	10.5	8.0
50°	30.9	25.9	20.6	14.7	12.8	10.8	8.0
47.5°	35.3	29.5	22.6	15.8	13.8	11.0	8.0
45°	40.9	33.2	24.6	17.3	14.9	11.3	8.0
42.5°	46.7	37.1	26.7	18.9	15.9	11.6	8.0
40°	52.8	41.0	29.2	20.9	17.0	11.9	8.0
37.5°	59.0	44.9	32.3	23.3	18.2	12.2	8.0
35°	65.5	49.7	35.3	25.7	19.3	12.5	8.0
32.5°	72.9	54.8	38.4	28.1	20.5	12.8	8.0
30°	82.2	60.0	41.4	30.5	21.6	13.0	8.0
27.5°	91.5	65.1	45.7	33.0	22.8	13.3	8.0
25°	100.7	70.3	50.1	35.5	24.0	13.6	8.0
22.5°	109.7	75.8	54.4	38.0	25.2	13.9	8.0
20°	118.6	82.1	58.7	40.5	26.3	14.1	8.0
17.5°	127.4	88.1	63.0	43.0	27.5	14.4	8.0
15°	136.0	94.0	67.1	45.4	28.6	14.6	8.0
12.5°	144.1	99.6	71.1	47.7	29.7	14.9	8.0
10°	151.7	104.9	75.0	50.0	30.8	15.1	8.0
7.5°	158.7	110.0	78.7	52.3	31.8	15.3	8.0
5°	165.1	114.7	82.3	54.4	32.7	15.5	8.0
2.5°	171.0	119.2	85.7	56.4	33.7	15.7	8.0
0°	176.3	123.3	88.8	58.3	34.5	15.9	8.0
-2.5°	182.6	128.4	92.8	61.4	36.4	16.7	8.0
-5°	188.2	133.2	96.5	64.3	38.2	17.4	8.0
-7.5°	193.2	137.6	100.0	67.1	39.9	18.2	8.0
-10°	197.4	141.6	103.2	69.7	41.5	18.9	8.0
-12.5°	201.1	145.3	106.2	72.1	43.0	19.6	8.0
-15°	203.9	148.5	109.0	74.3	44.4	20.2	8.0
-17.5°	206.1	151.3	111.4	76.4	45.7	20.9	8.0
-20°	208.0	153.8	113.6	78.2	46.9	21.5	8.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	209.8	155.8	115.6	79.9	48.0	22.0	8.0
-25°	210.6	157.7	117.3	81.3	48.9	22.5	8.0
-27.5°	210.6	159.3	118.7	82.5	49.7	23.0	8.0
-30°	209.7	160.3	119.8	83.4	50.3	23.5	8.0
-32.5°	207.8	160.9	120.8	84.2	50.9	23.9	8.0
-35°	207.2	161.0	121.4	84.7	51.2	24.3	8.0
-37.5°	206.7	160.9	121.7	85.0	51.4	24.6	8.0
-40°	205.7	160.9	121.6	85.0	51.5	24.9	8.0
-42.5°	203.9	160.4	121.3	84.8	51.5	25.1	8.0
-45°	201.6	159.4	120.6	84.3	51.2	25.3	8.0
-47.5°	198.6	158.0	119.7	83.6	50.9	25.4	8.0
-50°	196.0	156.2	118.3	82.7	50.4	25.5	8.0
-52.5°	193.1	153.8	116.7	81.6	49.7	25.6	8.0
-55°	189.7	151.2	114.7	80.4	48.9	25.6	8.0
-57.5°	185.6	148.1	112.3	78.9	48.0	25.5	8.0
-60°	181.1	144.6	109.7	77.1	46.9	25.4	8.0
-62.5°	176.1	140.6	106.9	75.2	46.4	25.3	8.0
-65°	170.5	136.3	103.8	73.0	45.8	25.1	8.0
-67.5°	164.5	131.6	100.4	70.7	45.1	24.9	8.0
-70°	158.0	126.6	96.7	68.1	44.3	24.6	8.0
-72.5°	151.1	121.3	92.7	66.4	43.4	24.3	8.0
-75°	143.8	115.6	88.5	64.7	42.3	24.0	8.0
-77.5°	136.1	109.6	85.5	62.9	41.2	23.6	8.0
-80°	128.0	104.8	82.5	60.9	40.0	23.2	8.0
-82.5°	122.0	100.4	79.4	58.8	38.7	22.8	8.0
-85°	116.0	95.9	76.0	56.5	37.4	22.3	8.0
-87.5°	109.8	91.1	72.6	54.2	36.0	21.8	8.0
-90°	5.3	5.3	5.3	5.3	5.3	6.7	8.0

(END OF REPORT)