

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: P701435 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-08-0320L-57-80-1S-CV1-S**

Issue Date: 8/29/2023

Test Information

Test Method: LM-79-08
Report Number: P701435 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-2)
Test Lab: INNOVATION CENTER
Issue Date: 8/29/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-LS-08-0320L-57-80-1S-CV1-S
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

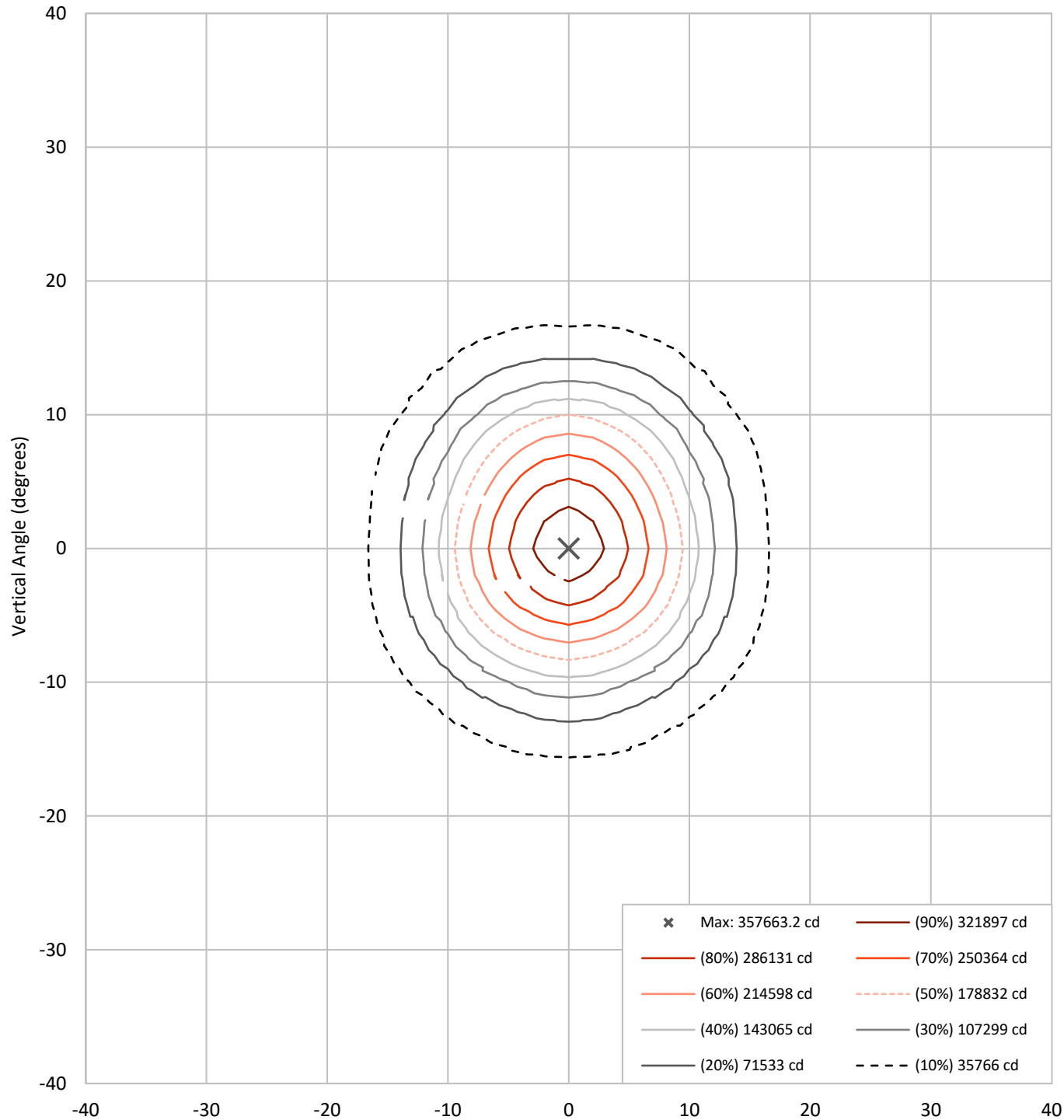
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	43081.1 lumens	Max Intensity:	357663.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	126.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.9°H x 18.3°V	Field Angle (10%):	33°H x 31.9°V
Beam Lumens:	20100.4 lumens	Field Lumens:	36507.8 lumens
Beam Efficiency:	46.7%	Field Efficiency:	84.7%

Input Watts (W): 341.6
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



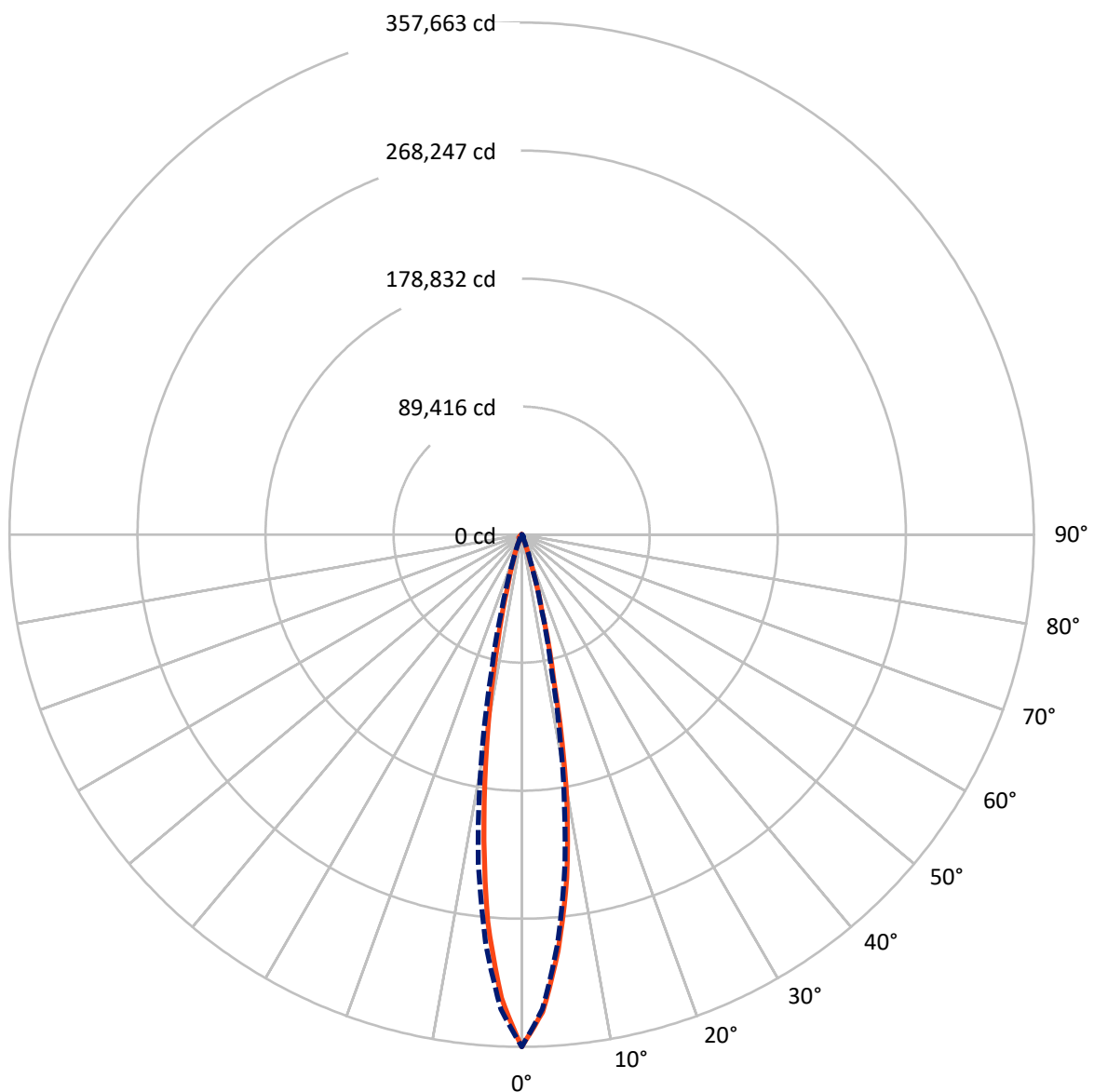
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Lumen Table

90																			
80	0.1	0.1		0.3		0.3		0.3		0.3		0.3		0.1		0.1			
70	0.1	0.0	0.1	0.3	0.4	0.2	0.2	0.2	0.2	0.2	0.2	0.4	0.3	0.1	0.0	0.1			
60		0.1	0.2	0.4	0.3	0.2	0.2	0.2	0.2	0.2	0.2	0.3	0.4	0.2	0.1				
50	0.1	0.1	0.2	0.2	0.3	0.5	0.7	0.5	0.5	0.7	0.5	0.3	0.2	0.2	0.1	0.1			
40		0.2	0.5	1.2	2.4	3.4	4.9	6.0	6.0	4.9	3.4	2.4	1.2	0.5	0.2				
30	0.2	0.3	2.4	7.4	17.6	23.9	38.2	68.2	68.2	38.2	23.9	17.6	7.4	2.4	0.3	0.2			
20		0.7	5.0	21.5	43.3	57.3	419.0	1688.5	1688.5	419.0	57.3	43.3	21.5	5.0	0.7				
10	0.2	1.2	6.4	29.0	48.1	105.3	1569.8	6779.2	6779.2	1569.8	105.3	48.1	29.0	6.4	1.2	0.2			
0		1.4	6.8	28.5	48.1	102.2	1501.8	6280.0	6280.0	1501.8	102.2	48.1	28.5	6.8	1.4				
-10	0.3	1.7	6.5	22.8	44.3	56.0	334.4	1253.8	1253.8	334.4	56.0	44.3	22.8	6.5	1.7	0.3			
-20		1.8	6.3	15.8	43.9	55.0	62.3	107.6	107.6	62.3	55.0	43.9	15.8	6.3	1.8				
-30	0.3	1.5	5.8	11.1	31.2	64.6	75.6	77.9	77.9	75.6	64.6	31.2	11.1	5.8	1.5	0.3			
-40		1.1	4.4	9.8	16.5	29.7	53.9	73.1	73.1	53.9	29.7	16.5	9.8	4.4	1.1				
-50	0.2	0.5	2.6	6.6	12.6	18.3	23.1	26.0	26.0	23.1	18.3	12.6	6.6	2.6	0.5	0.2			
-60		0.2	0.9	2.6	5.4	8.9	12.3	14.3	14.3	12.3	8.9	5.4	2.6	0.9	0.2				
-70	0.1	0.1		0.3		0.3		0.3		0.3		0.1		0.1		0.1			
-80		0.7		1.9		4.5		6.1		4.5		1.9		0.7					
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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Luminous Intensity Polar Plot

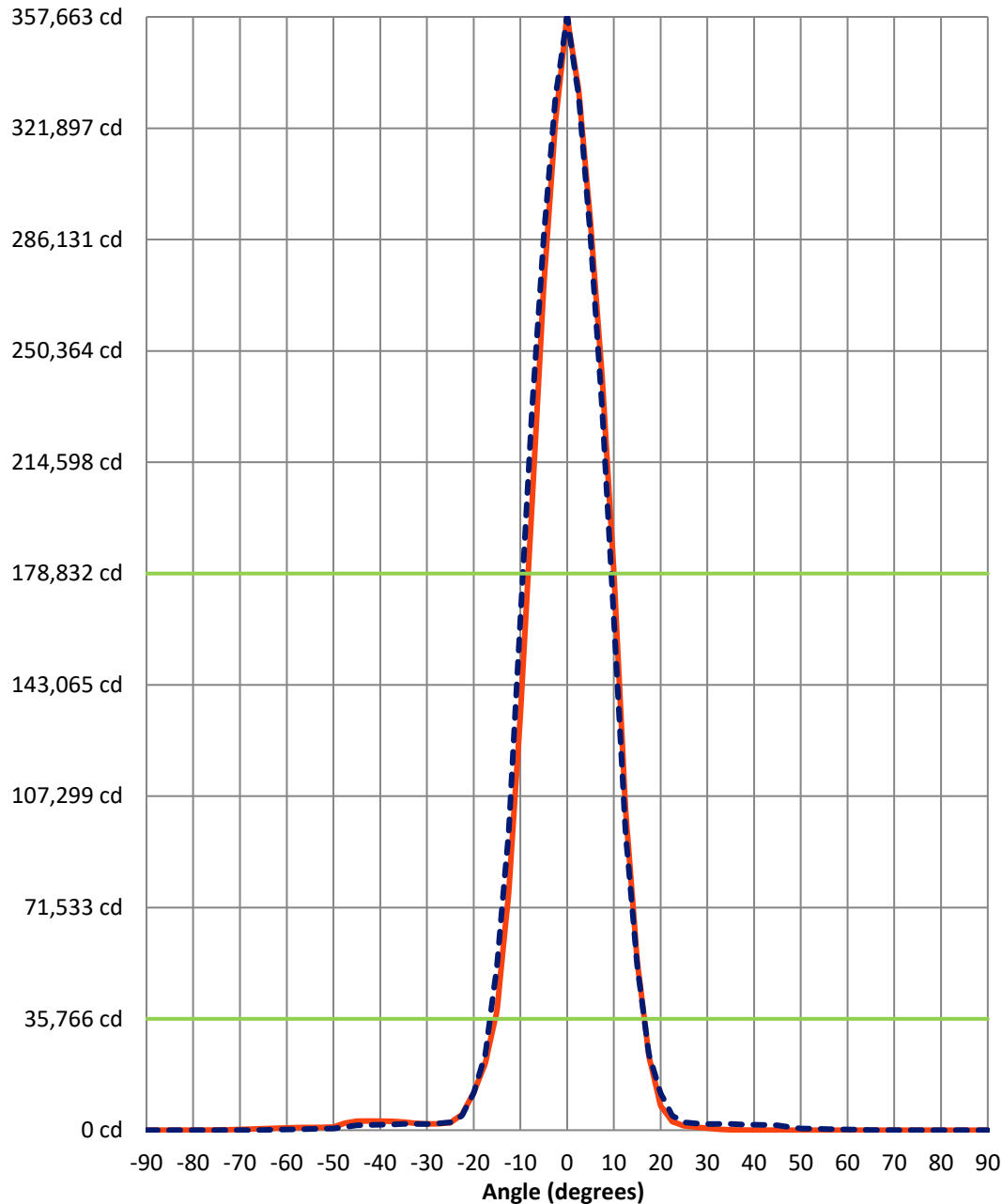


— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg



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Luminous Intensity Plot



Beam:
H Angle: 18.9°
V Angle: 18.3°
Lumens: 20100.4
Efficiency: 46.7%

Field:
H Angle: 33°
V Angle: 31.9°
Lumens: 36507.8
Efficiency: 84.7%

Spill:
Lumens: 6573.3
Efficiency: 15.3%

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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°	2.6	2.6	2.6	3.0	3.5	3.9	4.3	4.7	5.2	5.6	6.0
87.5°	2.6	2.6	2.6	2.4	2.2	2.1	1.9	1.9	1.9	1.8	1.7
85°	2.6	2.6	2.6	2.4	2.3	2.2	2.2	2.1	2.0	1.9	1.7
82.5°	2.6	2.7	2.6	2.5	2.4	2.4	2.4	2.3	2.2	2.1	2.0
80°	2.6	2.7	2.6	2.5	2.5	2.5	2.6	2.6	2.5	2.4	2.3
77.5°	2.6	2.7	2.6	2.5	2.5	2.7	2.9	2.9	2.8	2.8	2.6
75°	2.6	2.7	2.6	2.6	2.6	2.9	3.1	3.1	3.1	2.9	2.7
72.5°	2.6	2.7	2.6	2.6	2.8	3.0	3.3	3.3	3.1	2.9	2.7
70°	2.6	2.8	2.6	2.6	2.9	3.2	3.5	3.4	3.2	2.9	3.0
67.5°	2.6	2.8	2.7	2.7	3.1	3.4	3.5	3.4	3.2	3.3	3.4
65°	2.6	2.8	2.7	2.8	3.2	3.5	3.6	3.4	3.5	3.6	3.7
62.5°	2.6	2.8	2.7	2.9	3.4	3.6	3.6	3.6	3.8	3.9	3.8
60°	2.6	2.9	2.7	3.0	3.5	3.7	3.7	3.8	4.0	4.1	4.0
57.5°	2.6	2.9	2.8	3.1	3.6	3.7	3.8	4.1	4.3	4.3	4.3
55°	2.6	2.9	2.9	3.2	3.7	3.8	4.1	4.3	4.6	4.6	4.7
52.5°	2.6	2.9	3.0	3.3	3.7	3.9	4.3	4.6	4.9	5.0	5.1
50°	2.6	3.0	3.1	3.4	3.8	4.1	4.5	4.9	5.2	5.3	5.9
47.5°	2.6	3.0	3.1	3.5	3.9	4.3	4.7	5.2	5.5	5.7	6.7
45°	2.6	3.0	3.2	3.6	4.0	4.4	5.0	5.5	5.8	6.3	7.4
42.5°	2.6	3.0	3.3	3.7	4.1	4.6	5.2	5.8	6.1	6.9	8.8
40°	2.6	3.1	3.4	3.8	4.2	4.8	5.5	6.1	6.5	7.5	10.1
37.5°	2.6	3.1	3.5	3.9	4.4	4.9	5.8	6.3	7.0	8.3	11.4
35°	2.6	3.1	3.5	4.0	4.5	5.1	6.1	6.6	7.6	9.5	12.4
32.5°	2.6	3.2	3.6	4.1	4.6	5.4	6.4	6.9	8.2	10.7	13.4
30°	2.6	3.2	3.7	4.2	4.7	5.6	6.6	7.2	8.8	11.8	14.7
27.5°	2.6	3.2	3.7	4.3	4.8	5.8	6.8	7.6	9.5	12.9	16.1
25°	2.6	3.2	3.8	4.4	5.0	6.0	7.0	8.1	10.4	14.0	17.7
22.5°	2.6	3.3	3.9	4.5	5.1	6.3	7.2	8.6	11.2	15.3	20.2
20°	2.6	3.3	3.9	4.6	5.2	6.4	7.4	9.0	12.0	16.5	22.8
17.5°	2.6	3.3	4.0	4.7	5.4	6.5	7.6	9.4	12.7	17.9	25.7
15°	2.6	3.4	4.0	4.8	5.5	6.7	7.7	9.8	13.4	19.2	28.6
12.5°	2.6	3.4	4.1	4.8	5.6	6.7	7.9	10.1	14.0	20.6	31.6
10°	2.6	3.4	4.1	4.9	5.7	6.8	8.1	10.4	14.6	21.9	34.5
7.5°	2.6	3.4	4.2	5.0	5.8	6.8	8.2	10.7	15.1	23.1	37.4
5°	2.6	3.5	4.2	5.1	5.8	6.9	8.4	10.9	15.6	24.1	40.2
2.5°	2.6	3.5	4.3	5.1	5.9	6.9	8.5	11.1	16.1	25.1	42.7
0°	2.6	3.5	4.3	5.2	6.0	6.9	8.6	11.2	16.4	25.9	44.9
-2.5°	2.6	3.5	4.3	5.3	6.2	7.3	9.4	13.3	21.1	34.2	57.7
-5°	2.6	3.5	4.4	5.3	6.3	7.7	10.2	15.4	25.5	42.1	69.9
-7.5°	2.6	3.5	4.4	5.3	6.4	8.0	10.9	17.3	29.6	49.5	81.2
-10°	2.6	3.6	4.4	5.4	6.6	8.3	11.6	19.0	33.4	56.1	91.3
-12.5°	2.6	3.6	4.5	5.4	6.7	8.6	12.2	20.5	36.6	62.0	99.9
-15°	2.6	3.6	4.5	5.4	6.8	8.8	12.7	21.7	39.6	67.2	106.9
-17.5°	2.6	3.6	4.5	5.4	6.8	9.1	13.1	23.0	42.6	71.5	112.3
-20°	2.6	3.6	4.5	5.5	6.9	9.2	13.5	24.3	44.7	74.7	116.0



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CATALOG NUMBER: EPH-LS-08-0320L-57-80-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	2.6	3.6	4.5	5.5	6.9	9.3	13.9	25.1	46.1	76.8	117.8
-25°	2.6	3.6	4.5	5.5	6.9	9.4	14.2	25.2	46.5	77.7	117.7
-27.5°	2.6	3.6	4.5	5.5	6.9	9.4	14.1	24.8	45.9	77.6	118.3
-30°	2.6	3.6	4.5	5.5	6.8	9.4	13.8	23.6	45.1	76.9	117.4
-32.5°	2.6	3.5	4.5	5.5	6.8	9.3	13.2	23.0	43.8	74.8	114.7
-35°	2.6	3.5	4.5	5.4	6.8	9.2	12.9	22.3	41.4	71.2	110.3
-37.5°	2.6	3.5	4.5	5.4	6.7	9.1	12.7	21.1	38.1	66.3	103.3
-40°	2.6	3.5	4.5	5.4	6.6	9.0	12.4	19.5	33.7	61.2	95.1
-42.5°	2.6	3.5	4.5	5.4	6.6	8.8	12.1	17.5	30.5	54.5	85.5
-45°	2.6	3.4	4.4	5.4	6.6	8.6	11.6	15.8	27.6	46.7	74.6
-47.5°	2.6	3.4	4.4	5.4	6.5	8.4	11.1	15.2	24.1	38.2	64.8
-50°	2.6	3.4	4.4	5.3	6.5	8.1	10.7	14.4	19.9	33.3	53.8
-52.5°	2.6	3.3	4.3	5.3	6.4	7.8	10.3	13.5	17.8	28.0	42.4
-55°	2.6	3.3	4.3	5.2	6.3	7.7	9.8	12.5	16.6	22.1	35.5
-57.5°	2.6	3.3	4.2	5.1	6.3	7.5	9.3	11.9	15.3	19.5	28.1
-60°	2.6	3.2	4.2	5.0	6.1	7.4	8.8	11.2	14.0	17.8	22.2
-62.5°	2.6	3.2	4.1	4.9	6.0	7.2	8.5	10.5	13.2	16.0	20.0
-65°	2.6	3.1	4.0	4.8	5.8	7.0	8.3	9.8	12.3	14.9	17.8
-67.5°	2.6	3.1	3.9	4.7	5.5	6.7	8.0	9.5	11.4	13.8	16.3
-70°	2.6	3.0	3.7	4.5	5.3	6.3	7.6	9.0	10.8	12.8	15.1
-72.5°	2.6	3.0	3.6	4.3	5.0	5.9	7.1	8.5	10.1	11.9	13.9
-75°	2.6	2.9	3.5	4.2	4.8	5.5	6.5	7.9	9.4	10.9	12.7
-77.5°	2.6	2.9	3.3	4.0	4.5	5.1	5.9	7.2	8.6	9.9	11.4
-80°	2.6	2.8	3.2	3.8	4.3	4.8	5.3	6.5	7.7	9.0	10.3
-82.5°	2.6	2.8	3.0	3.6	4.1	4.6	5.0	5.9	6.9	8.1	9.2
-85°	2.6	2.7	2.9	3.4	3.9	4.3	4.8	5.5	6.3	7.2	8.2
-87.5°	2.6	2.7	2.7	3.2	3.7	4.1	4.5	5.1	5.7	6.4	7.1
-90°	2.6	2.6	2.6	2.4	2.2	1.9	1.7	1.7	1.7	1.7	1.7

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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°	6.0	6.0	6.0	6.0	6.2	6.5	6.7	6.9	7.1	7.4	7.6
87.5°	1.6	1.5	1.4	1.4	1.3	1.2	1.0	0.9	0.9	0.9	0.9
85°	1.7	1.7	1.7	1.7	1.5	1.4	1.3	1.2	1.2	1.1	1.0
82.5°	2.0	1.9	1.8	1.7	1.7	1.7	1.7	1.7	1.6	1.4	1.3
80°	2.3	2.2	2.1	2.0	2.0	2.0	1.9	1.7	1.7	1.8	1.9
77.5°	2.5	2.4	2.4	2.5	2.4	2.3	2.2	2.2	2.3	2.4	2.6
75°	2.6	2.6	2.7	2.6	2.5	2.5	2.6	2.8	2.9	2.9	2.8
72.5°	2.7	2.9	2.8	2.7	2.8	3.0	3.2	3.4	3.8	4.3	4.7
70°	3.1	3.2	3.1	3.1	3.3	3.7	4.4	5.4	6.3	7.4	9.0
67.5°	3.4	3.3	3.4	3.6	4.2	5.0	6.1	9.5	13.5	15.2	15.7
65°	3.5	3.5	3.8	4.4	5.1	7.8	11.6	16.3	20.7	21.2	20.5
62.5°	3.5	3.8	4.4	5.6	8.2	11.8	15.9	20.4	25.4	25.6	22.4
60°	3.9	4.2	5.6	8.0	11.0	14.3	18.8	22.4	26.5	28.5	21.7
57.5°	4.3	5.1	7.2	10.1	13.2	15.6	18.0	21.8	24.0	24.3	17.9
55°	5.0	6.1	8.9	12.2	14.4	13.9	15.8	17.9	18.8	17.5	12.5
52.5°	6.0	7.4	10.9	13.7	14.2	13.0	13.0	14.0	13.0	11.2	9.8
50°	7.0	9.5	12.7	14.6	14.1	12.4	10.5	10.3	9.9	9.3	8.4
47.5°	8.6	11.6	14.3	15.4	13.6	11.8	9.5	9.2	9.2	8.9	8.1
45°	10.3	13.2	16.0	15.0	13.3	11.5	10.6	9.5	9.5	9.6	10.1
42.5°	11.9	14.5	15.9	14.6	13.4	12.9	12.7	11.4	11.3	13.6	14.4
40°	13.0	15.6	15.9	15.7	14.5	15.6	16.0	16.2	16.9	19.3	20.6
37.5°	13.9	16.0	17.0	18.7	17.5	19.4	20.3	29.7	30.9	26.0	35.8
35°	14.7	16.8	21.2	25.8	27.3	24.3	36.7	49.6	54.1	51.1	62.1
32.5°	15.5	18.0	26.7	37.9	48.2	45.6	57.6	80.0	94.3	101.6	110.3
30°	17.0	23.2	35.5	53.4	79.9	95.8	96.7	120.5	146.8	193.5	235.6
27.5°	19.7	30.0	50.3	82.7	123.6	156.8	163.0	178.3	238.6	326.9	438.1
25°	22.8	46.7	67.3	122.6	182.8	220.1	231.0	257.1	361.6	564.3	674.2
22.5°	31.2	68.8	96.2	169.0	249.1	281.4	304.1	399.0	587.6	855.5	938.1
20°	47.2	94.5	132.0	208.9	316.2	342.0	376.1	579.6	881.9	1105.1	1217.3
17.5°	66.0	120.5	167.8	248.3	342.7	390.4	462.6	786.3	1186.0	1346.2	1462.9
15°	87.0	146.5	198.9	283.0	366.1	422.6	598.1	1026.7	1443.1	1575.7	1689.9
12.5°	109.6	172.2	225.7	313.1	389.3	452.5	721.5	1195.7	1566.8	1754.3	1901.4
10°	132.8	197.5	248.6	338.9	411.8	480.0	837.0	1340.5	1629.3	1784.5	1946.9
7.5°	147.2	213.7	266.2	360.6	433.2	505.1	941.7	1461.1	1672.3	1793.9	1914.3
5°	158.0	219.2	270.7	370.3	449.3	523.5	1020.5	1556.9	1699.6	1786.8	1857.4
2.5°	166.2	223.0	273.7	375.6	461.3	532.8	1028.0	1572.0	1691.3	1773.1	1821.9
0°	171.7	225.2	275.2	377.8	471.0	539.2	1012.8	1564.0	1672.7	1757.2	1814.2
-2.5°	177.7	231.8	287.6	384.5	471.9	539.4	998.3	1548.5	1691.1	1804.7	1899.2
-5°	181.4	237.0	298.2	388.6	470.3	537.2	965.8	1508.8	1688.9	1808.4	1924.3
-7.5°	183.0	241.0	306.4	389.7	463.6	526.9	910.6	1413.9	1617.8	1729.6	1873.1
-10°	183.7	246.2	310.2	383.7	450.5	510.8	837.0	1304.4	1544.4	1646.7	1797.5
-12.5°	185.4	252.4	312.7	377.6	437.1	493.0	747.1	1184.3	1470.4	1560.4	1714.0
-15°	185.4	257.4	314.4	372.4	424.2	473.6	641.5	1057.4	1430.0	1576.2	1702.4
-17.5°	183.9	261.2	315.7	368.8	412.3	452.8	524.8	944.2	1404.5	1610.2	1734.8
-20°	180.9	263.8	316.8	367.3	402.3	443.2	500.4	817.8	1275.0	1625.7	1777.7

REPORT NUMBER: P701435 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS-08-0320L-57-80-1S-CV1-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	176.7	265.4	317.8	366.1	405.5	444.2	492.3	674.7	1094.9	1623.8	1779.0
-25°	174.7	257.9	317.7	365.9	410.4	446.2	482.8	538.5	901.4	1392.7	1731.9
-27.5°	173.9	249.4	312.2	362.3	414.8	449.4	481.1	526.2	716.4	1116.0	1635.3
-30°	170.5	235.3	304.3	355.1	410.4	453.0	484.2	512.8	565.2	877.6	1309.7
-32.5°	162.7	220.6	289.3	344.6	399.9	456.5	485.4	510.0	548.6	641.0	992.1
-35°	153.5	208.9	271.5	331.1	385.3	444.7	483.5	509.4	534.8	579.5	738.6
-37.5°	145.2	195.4	253.3	313.5	367.8	423.7	479.4	506.8	532.3	564.2	624.8
-40°	135.4	180.3	236.2	293.4	347.6	401.5	455.5	503.0	528.6	570.2	610.2
-42.5°	124.0	167.5	217.8	272.7	324.7	377.4	430.3	481.1	534.4	576.1	616.1
-45°	111.4	153.1	198.2	248.2	299.3	350.7	402.0	454.9	519.1	582.6	622.7
-47.5°	97.2	136.8	179.8	221.1	270.3	320.7	371.0	426.4	490.0	556.4	627.9
-50°	82.1	118.8	158.0	195.9	237.7	286.8	336.2	391.9	451.8	516.0	583.4
-52.5°	68.3	98.7	134.1	170.8	207.3	248.1	297.6	350.6	406.6	466.9	525.8
-55°	53.3	80.2	108.3	142.8	178.5	213.2	253.5	303.1	354.8	409.4	462.5
-57.5°	42.0	61.0	84.7	112.1	145.7	180.8	215.5	252.9	298.7	347.0	391.3
-60°	32.8	45.2	62.5	84.9	109.8	142.0	176.3	210.2	245.6	280.9	319.1
-62.5°	24.3	33.9	44.9	59.5	80.4	102.4	130.9	162.6	195.4	224.7	252.4
-65°	21.6	24.4	32.0	42.1	52.4	70.6	90.7	111.9	139.4	165.1	190.2
-67.5°	18.7	21.4	23.9	27.7	36.7	45.8	54.7	72.2	90.6	107.1	124.6
-70°	17.0	18.4	20.6	22.8	24.8	28.7	36.5	44.2	51.6	60.5	74.4
-72.5°	15.4	16.6	17.9	19.5	21.3	23.1	24.9	26.8	31.4	37.5	42.9
-75°	13.8	14.6	15.6	16.8	18.0	19.3	20.6	22.1	23.7	25.4	27.2
-77.5°	12.2	12.9	13.5	14.2	15.0	16.1	17.1	18.2	19.2	20.1	21.1
-80°	10.8	11.2	11.7	12.2	12.8	13.4	14.0	14.7	15.4	16.2	17.0
-82.5°	9.6	9.9	10.2	10.5	10.7	11.0	11.3	11.7	12.1	12.6	13.1
-85°	8.4	8.6	8.8	9.0	9.2	9.3	9.5	9.7	9.8	10.0	10.1
-87.5°	7.2	7.3	7.4	7.5	7.7	7.8	8.0	8.1	8.2	8.3	8.4
-90°	1.5	1.3	1.1	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9

REPORT NUMBER: P701435 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	7.8	8.0	8.2	8.4	8.6	8.8	9.1	9.3	9.5	9.5	9.5
87.5°	0.9	0.9	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.7	0.4
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	1.3	1.2	1.1	1.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
80°	1.9	1.9	1.7	1.6	1.4	1.3	1.2	1.1	0.9	0.9	0.9
77.5°	2.6	2.4	2.2	2.0	1.7	1.6	1.6	1.6	1.6	1.6	1.6
75°	2.7	2.6	2.7	2.7	2.6	2.5	2.3	2.1	1.8	1.7	1.7
72.5°	5.1	5.3	5.2	5.1	4.7	4.4	4.2	4.0	3.8	3.7	3.7
70°	9.8	9.9	9.5	8.6	7.3	6.4	6.1	5.7	5.2	5.1	5.3
67.5°	14.9	13.6	12.4	11.0	9.3	8.1	7.6	7.2	6.7	6.4	6.4
65°	18.4	14.4	12.3	10.9	10.1	9.1	8.1	7.1	6.2	5.6	5.4
62.5°	18.2	12.7	10.2	9.1	8.2	7.6	6.7	5.8	5.0	4.6	4.5
60°	15.8	10.5	7.8	7.1	6.5	6.0	5.5	5.0	4.6	4.3	4.3
57.5°	12.3	8.2	6.0	5.9	5.7	5.4	5.1	4.8	4.5	4.3	4.5
55°	9.0	7.2	6.1	6.0	5.8	5.5	5.1	5.1	5.0	4.9	5.2
52.5°	7.8	7.1	6.8	6.6	6.3	6.0	5.9	6.0	6.1	6.2	6.3
50°	7.7	7.4	7.2	6.8	6.8	6.8	6.8	7.1	7.3	7.4	7.5
47.5°	8.0	7.8	8.1	7.7	7.9	8.4	8.5	8.7	9.3	9.5	9.5
45°	9.4	10.6	11.0	10.9	10.6	13.8	14.5	13.3	18.3	17.5	13.7
42.5°	14.4	16.0	17.0	20.1	24.7	27.7	35.8	49.1	43.9	33.1	21.4
40°	24.8	24.4	29.0	34.8	38.2	44.4	54.3	67.1	61.9	52.6	56.1
37.5°	43.7	44.2	45.8	53.3	56.0	49.1	63.6	62.6	53.1	67.9	69.6
35°	80.1	88.7	75.3	91.7	95.5	89.7	95.0	105.1	90.9	109.9	116.0
32.5°	144.2	158.9	159.5	163.3	176.9	190.0	193.7	220.9	229.8	252.7	277.4
30°	230.3	257.5	280.5	286.8	304.9	337.3	364.0	416.5	472.7	514.9	570.3
27.5°	415.2	390.6	442.0	504.6	484.7	531.8	628.1	703.8	815.8	896.4	939.9
25°	671.6	631.6	725.3	820.8	821.0	829.0	968.3	1089.8	1181.5	1254.1	1317.9
22.5°	974.1	1023.8	1107.8	1218.7	1160.9	1213.6	1352.0	1450.6	1579.0	1704.8	2081.7
20°	1313.2	1413.8	1482.9	1466.4	1463.9	1553.4	1675.1	1865.5	2253.8	3622.5	4929.5
17.5°	1611.9	1734.2	1728.1	1658.5	1691.5	1841.8	2062.7	2802.0	4763.4	9208.6	13368.7
15°	1843.6	1898.1	1862.2	1820.6	1894.4	2119.5	2672.0	5062.7	11014.6	18133.1	26258.2
12.5°	1998.4	1977.0	1882.9	1889.7	2065.0	2381.3	4259.0	9854.5	18460.7	28569.9	48997.9
10°	2058.2	1999.6	1917.3	1993.5	2232.6	2993.9	5728.4	13682.5	26694.1	47711.4	75245.7
7.5°	2017.4	1967.5	1944.3	2078.9	2397.2	3965.0	8904.5	19352.9	38263.6	65367.0	104114.8
5°	1991.1	1957.7	1962.7	2135.0	2501.3	4679.0	11149.2	22920.1	47462.4	82441.0	131736.6
2.5°	1989.5	1969.7	1978.5	2173.9	2559.9	5044.5	12413.7	23514.1	50693.6	91728.2	154337.6
0°	2010.9	1997.9	1990.2	2181.7	2531.9	4686.8	11909.9	24468.5	52910.4	95918.3	164156.5
-2.5°	2110.2	2004.3	1999.9	2181.2	2562.8	4952.9	12204.9	24138.9	52110.3	92045.7	153623.4
-5°	2086.4	1966.7	1947.6	2099.8	2456.1	4460.1	10684.9	22293.0	45773.5	78266.9	126621.7
-7.5°	1992.1	1912.1	1878.1	1999.3	2309.2	3743.5	8286.3	17600.5	34468.3	58994.7	91244.2
-10°	1915.5	1862.7	1812.5	1896.4	2131.9	2860.9	5282.4	11807.7	23445.6	40117.6	58586.3
-12.5°	1875.2	1850.2	1759.7	1783.1	1947.7	2271.0	3696.2	7981.2	14682.9	21784.4	35586.3
-15°	1846.7	1827.7	1743.0	1737.4	1829.3	2020.4	2434.9	4139.9	8210.8	13323.2	18801.6
-17.5°	1820.9	1814.0	1769.0	1720.3	1731.7	1842.6	2070.8	2676.2	4199.0	7448.7	10989.6
-20°	1833.3	1837.3	1803.0	1752.1	1733.9	1748.2	1866.8	2075.4	2461.2	3774.9	5379.1

REPORT NUMBER: P701435 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1829.4	1841.1	1831.9	1835.5	1813.6	1780.3	1756.8	1847.9	1993.9	2227.5	2820.8
-25°	1829.0	1845.1	1913.6	2001.4	1992.2	1912.6	1829.3	1757.2	1840.7	1941.6	2088.8
-27.5°	1801.9	1906.6	2077.2	2206.5	2243.7	2156.4	2039.8	1918.6	1905.2	1902.0	1958.7
-30°	1793.0	2018.0	2219.2	2403.6	2429.6	2385.6	2331.6	2245.2	2152.4	2101.0	2073.7
-32.5°	1522.4	2067.2	2313.2	2479.0	2520.1	2518.1	2530.3	2489.3	2460.3	2427.1	2380.2
-35°	1155.9	1727.5	2329.8	2406.3	2473.1	2532.6	2612.4	2632.8	2648.9	2667.2	2683.6
-37.5°	807.2	1252.8	1753.2	2189.8	2328.6	2432.2	2573.4	2677.0	2763.2	2806.0	2857.3
-40°	668.7	791.8	1179.5	1548.6	1912.2	2247.5	2399.6	2576.1	2741.2	2832.9	2916.9
-42.5°	654.9	698.8	745.3	1002.7	1310.5	1627.0	1937.9	2219.8	2520.2	2720.5	2867.8
-45°	659.3	681.5	708.7	753.8	802.0	1043.6	1304.2	1570.1	1898.4	2219.1	2499.0
-47.5°	658.7	679.0	700.5	722.4	751.1	796.2	842.5	917.8	1150.5	1396.6	1634.7
-50°	635.9	677.0	697.1	717.6	738.5	760.7	784.1	817.1	856.5	893.4	923.3
-52.5°	578.4	626.7	673.2	712.2	731.4	751.0	771.7	799.2	825.1	849.3	861.9
-55°	513.2	561.4	608.5	650.3	689.8	727.9	763.2	788.4	814.2	840.5	851.2
-57.5°	438.3	487.0	533.7	572.8	612.2	651.6	688.2	723.2	758.3	791.5	810.0
-60°	358.7	399.3	441.1	481.1	519.5	555.9	589.9	623.2	655.0	682.9	700.4
-62.5°	280.4	312.3	347.7	382.4	416.1	448.6	480.0	509.9	538.2	562.0	578.5
-65°	214.6	238.5	262.8	287.9	313.5	341.4	367.8	392.8	416.1	435.5	449.9
-67.5°	145.8	166.4	186.1	204.7	223.4	243.2	263.2	282.1	299.6	313.9	325.1
-70°	87.6	100.5	113.0	126.3	141.4	155.8	170.0	183.4	195.9	205.6	212.9
-72.5°	47.8	52.4	58.6	68.8	78.3	87.1	95.2	102.5	109.0	114.4	118.8
-75°	29.1	31.4	35.2	38.9	42.4	45.7	48.9	51.8	54.5	56.7	58.6
-77.5°	22.3	23.5	24.7	25.9	26.9	28.1	29.2	30.3	31.3	32.1	32.9
-80°	17.8	18.5	19.2	19.8	20.4	21.2	21.9	22.6	23.3	23.8	24.2
-82.5°	13.6	14.2	14.9	15.5	16.0	16.4	16.8	17.2	17.6	17.9	18.3
-85°	10.3	10.7	11.2	11.7	12.2	12.4	12.5	12.6	12.7	13.0	13.3
-87.5°	8.5	8.7	8.9	9.2	9.4	9.7	9.9	10.1	10.4	10.6	10.8
-90°	0.9	0.7	0.5	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.5	9.3
87.5°	0.2	0.0	0.4	0.9	0.4	0.0	0.2	0.4	0.7	0.9	0.9
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
82.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
80°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.1
77.5°	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.6	1.6	1.6	1.6
75°	1.7	1.7	2.1	2.6	2.1	1.7	1.7	1.7	1.7	1.8	2.1
72.5°	3.6	3.5	3.5	3.5	3.5	3.5	3.6	3.7	3.7	3.8	4.0
70°	5.6	5.9	6.0	6.0	6.0	5.9	5.6	5.3	5.1	5.2	5.7
67.5°	6.2	6.0	5.2	4.3	5.2	6.0	6.2	6.4	6.4	6.7	7.2
65°	5.3	5.2	4.8	4.3	4.8	5.2	5.3	5.4	5.6	6.2	7.1
62.5°	4.4	4.3	4.3	4.3	4.3	4.3	4.4	4.5	4.6	5.0	5.8
60°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.6	5.0
57.5°	4.8	5.1	5.2	5.2	5.2	5.1	4.8	4.5	4.3	4.5	4.8
55°	5.6	5.9	6.0	6.0	6.0	5.9	5.6	5.2	4.9	5.0	5.1
52.5°	6.3	6.1	6.3	6.9	6.3	6.1	6.3	6.3	6.2	6.1	6.0
50°	7.6	7.7	7.8	7.8	7.8	7.7	7.6	7.5	7.4	7.3	7.1
47.5°	9.6	9.5	9.5	9.5	9.5	9.5	9.6	9.5	9.5	9.3	8.7
45°	14.1	14.4	14.8	15.5	14.8	14.4	14.1	13.7	17.5	18.3	13.3
42.5°	22.4	22.9	23.1	23.3	23.1	22.9	22.4	21.4	33.1	43.9	49.1
40°	53.2	42.3	31.7	31.9	31.7	42.3	53.2	56.1	52.6	61.9	67.1
37.5°	61.2	55.6	53.4	52.6	53.4	55.6	61.2	69.6	67.9	53.1	62.6
35°	115.8	117.9	115.2	116.5	115.2	117.9	115.8	116.0	109.9	90.9	105.1
32.5°	285.3	296.9	292.7	294.2	292.7	296.9	285.3	277.4	252.7	229.8	220.9
30°	592.7	628.3	636.4	634.1	636.4	628.3	592.7	570.3	514.9	472.7	416.5
27.5°	957.4	985.6	991.4	986.0	991.4	985.6	957.4	939.9	896.4	815.8	703.8
25°	1353.2	1380.1	1395.3	1388.0	1395.3	1380.1	1353.2	1317.9	1254.1	1181.5	1089.8
22.5°	2518.1	2640.4	2700.0	2781.2	2700.0	2640.4	2518.1	2081.7	1704.8	1579.0	1450.6
20°	7426.5	8270.7	8110.8	7936.5	8110.8	8270.7	7426.5	4929.5	3622.5	2253.8	1865.5
17.5°	18537.6	22688.4	24664.9	23860.3	24664.9	22688.4	18537.6	13368.7	9208.6	4763.4	2802.0
15°	37914.7	49512.2	56293.2	54483.0	56293.2	49512.2	37914.7	26258.2	18133.1	11014.6	5062.7
12.5°	68682.8	87114.7	101235.3	103256.6	101235.3	87114.7	68682.8	48997.9	28569.9	18460.7	9854.5
10°	108014.4	142075.0	170144.4	179309.1	170144.4	142075.0	108014.4	75245.7	47711.4	26694.1	13682.5
7.5°	154895.9	200364.4	232736.3	241734.2	232736.3	200364.4	154895.9	104114.8	65367.0	38263.6	19352.9
5°	192495.5	244823.6	280671.7	291682.7	280671.7	244823.6	192495.5	131736.6	82441.0	47462.4	22920.1
2.5°	220658.6	275546.0	315520.6	333786.1	315520.6	275546.0	220658.6	154337.6	91728.2	50693.6	23514.1
0°	231568.6	286879.4	331704.9	357663.2	331704.9	286879.4	231568.6	164156.5	95918.3	52910.4	24468.5
-2.5°	220896.2	272319.7	306838.3	323860.3	306838.3	272319.7	220896.2	153623.4	92045.7	52110.3	24138.9
-5°	183903.2	229406.2	259173.8	271191.0	259173.8	229406.2	183903.2	126621.7	78266.9	45773.5	22293.0
-7.5°	131771.1	169123.6	191312.0	201437.6	191312.0	169123.6	131771.1	91244.2	58994.7	34468.3	17600.5
-10°	85610.4	106285.5	128657.5	133445.8	128657.5	106285.5	85610.4	58586.3	40117.6	23445.6	11807.7
-12.5°	48230.8	61277.1	72396.0	76408.8	72396.0	61277.1	48230.8	35586.3	21784.4	14682.9	7981.2
-15°	26094.5	33527.7	37532.8	38517.8	37532.8	33527.7	26094.5	18801.6	13323.2	8210.8	4139.9
-17.5°	14981.7	18552.4	20595.6	21533.7	20595.6	18552.4	14981.7	10989.6	7448.7	4199.0	2676.2
-20°	8005.8	10020.6	11171.0	12017.7	11171.0	10020.6	8005.8	5379.1	3774.9	2461.2	2075.4

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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	3677.2	4298.2	4649.1	5045.7	4649.1	4298.2	3677.2	2820.8	2227.5	1993.9	1847.9
-25°	2216.7	2300.3	2350.7	2391.3	2350.7	2300.3	2216.7	2088.8	1941.6	1840.7	1757.2
-27.5°	2007.4	2034.7	2050.4	2066.9	2050.4	2034.7	2007.4	1958.7	1902.0	1905.2	1918.6
-30°	2050.1	2022.4	2012.8	2002.2	2012.8	2022.4	2050.1	2073.7	2101.0	2152.4	2245.2
-32.5°	2333.0	2279.1	2250.2	2223.1	2250.2	2279.1	2333.0	2380.2	2427.1	2460.3	2489.3
-35°	2677.2	2653.0	2640.3	2624.2	2640.3	2653.0	2677.2	2683.6	2667.2	2648.9	2632.8
-37.5°	2865.9	2861.7	2860.9	2852.8	2860.9	2861.7	2865.9	2857.3	2806.0	2763.2	2677.0
-40°	2926.6	2924.9	2920.7	2916.7	2920.7	2924.9	2926.6	2916.9	2832.9	2741.2	2576.1
-42.5°	2907.0	2933.0	2945.5	2946.0	2945.5	2933.0	2907.0	2867.8	2720.5	2520.2	2219.8
-45°	2677.4	2810.1	2887.2	2908.0	2887.2	2810.1	2677.4	2499.0	2219.1	1898.4	1570.1
-47.5°	1846.8	2033.9	2178.1	2268.8	2178.1	2033.9	1846.8	1634.7	1396.6	1150.5	917.8
-50°	949.3	973.7	998.3	1022.3	998.3	973.7	949.3	923.3	893.4	856.5	817.1
-52.5°	872.0	882.1	888.5	892.0	888.5	882.1	872.0	861.9	849.3	825.1	799.2
-55°	860.9	870.3	875.0	876.5	875.0	870.3	860.9	851.2	840.5	814.2	788.4
-57.5°	825.9	839.1	847.0	850.6	847.0	839.1	825.9	810.0	791.5	758.3	723.2
-60°	715.1	726.8	734.7	739.3	734.7	726.8	715.1	700.4	682.9	655.0	623.2
-62.5°	592.3	603.1	609.2	611.6	609.2	603.1	592.3	578.5	562.0	538.2	509.9
-65°	461.9	471.3	480.8	488.3	480.8	471.3	461.9	449.9	435.5	416.1	392.8
-67.5°	334.5	342.1	350.4	357.1	350.4	342.1	334.5	325.1	313.9	299.6	282.1
-70°	218.7	222.8	229.7	235.5	229.7	222.8	218.7	212.9	205.6	195.9	183.4
-72.5°	122.3	125.0	130.0	134.6	130.0	125.0	122.3	118.8	114.4	109.0	102.5
-75°	60.2	61.4	61.9	62.1	61.9	61.4	60.2	58.6	56.7	54.5	51.8
-77.5°	33.6	34.3	34.5	34.5	34.5	34.3	33.6	32.9	32.1	31.3	30.3
-80°	24.6	24.9	25.4	25.9	25.4	24.9	24.6	24.2	23.8	23.3	22.6
-82.5°	18.6	18.9	19.0	19.0	19.0	18.9	18.6	18.3	17.9	17.6	17.2
-85°	13.5	13.8	13.8	13.8	13.8	13.8	13.5	13.3	13.0	12.7	12.6
-87.5°	11.0	11.2	11.2	11.2	11.2	11.2	11.0	10.8	10.6	10.4	10.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	9.1	8.8	8.6	8.4	8.2	8.0	7.8	7.6	7.4	7.1	6.9
87.5°	0.8	0.8	0.8	0.8	0.8	0.9	0.9	0.9	0.9	0.9	0.9
85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.0	1.1	1.2	1.2
82.5°	0.9	0.9	0.9	1.0	1.1	1.2	1.3	1.3	1.4	1.6	1.7
80°	1.2	1.3	1.4	1.6	1.7	1.9	1.9	1.9	1.8	1.7	1.7
77.5°	1.6	1.6	1.7	2.0	2.2	2.4	2.6	2.6	2.4	2.3	2.2
75°	2.3	2.5	2.6	2.7	2.7	2.6	2.7	2.8	2.9	2.9	2.8
72.5°	4.2	4.4	4.7	5.1	5.2	5.3	5.1	4.7	4.3	3.8	3.4
70°	6.1	6.4	7.3	8.6	9.5	9.9	9.8	9.0	7.4	6.3	5.4
67.5°	7.6	8.1	9.3	11.0	12.4	13.6	14.9	15.7	15.2	13.5	9.5
65°	8.1	9.1	10.1	10.9	12.3	14.4	18.4	20.5	21.2	20.7	16.3
62.5°	6.7	7.6	8.2	9.1	10.2	12.7	18.2	22.4	25.6	25.4	20.4
60°	5.5	6.0	6.5	7.1	7.8	10.5	15.8	21.7	28.5	26.5	22.4
57.5°	5.1	5.4	5.7	5.9	6.0	8.2	12.3	17.9	24.3	24.0	21.8
55°	5.1	5.5	5.8	6.0	6.1	7.2	9.0	12.5	17.5	18.8	17.9
52.5°	5.9	6.0	6.3	6.6	6.8	7.1	7.8	9.8	11.2	13.0	14.0
50°	6.8	6.8	6.8	6.8	7.2	7.4	7.7	8.4	9.3	9.9	10.3
47.5°	8.5	8.4	7.9	7.7	8.1	7.8	8.0	8.1	8.9	9.2	9.2
45°	14.5	13.8	10.6	10.9	11.0	10.6	9.4	10.1	9.6	9.5	9.5
42.5°	35.8	27.7	24.7	20.1	17.0	16.0	14.4	14.4	13.6	11.3	11.4
40°	54.3	44.4	38.2	34.8	29.0	24.4	24.8	20.6	19.3	16.9	16.2
37.5°	63.6	49.1	56.0	53.3	45.8	44.2	43.7	35.8	26.0	30.9	29.7
35°	95.0	89.7	95.5	91.7	75.3	88.7	80.1	62.1	51.1	54.1	49.6
32.5°	193.7	190.0	176.9	163.3	159.5	158.9	144.2	110.3	101.6	94.3	80.0
30°	364.0	337.3	304.9	286.8	280.5	257.5	230.3	235.6	193.5	146.8	120.5
27.5°	628.1	531.8	484.7	504.6	442.0	390.6	415.2	438.1	326.9	238.6	178.3
25°	968.3	829.0	821.0	820.8	725.3	631.6	671.6	674.2	564.3	361.6	257.1
22.5°	1352.0	1213.6	1160.9	1218.7	1107.8	1023.8	974.1	938.1	855.5	587.6	399.0
20°	1675.1	1553.4	1463.9	1466.4	1482.9	1413.8	1313.2	1217.3	1105.1	881.9	579.6
17.5°	2062.7	1841.8	1691.5	1658.5	1728.1	1734.2	1611.9	1462.9	1346.2	1186.0	786.3
15°	2672.0	2119.5	1894.4	1820.6	1862.2	1898.1	1843.6	1689.9	1575.7	1443.1	1026.7
12.5°	4259.0	2381.3	2065.0	1889.7	1882.9	1977.0	1998.4	1901.4	1754.3	1566.8	1195.7
10°	5728.4	2993.9	2232.6	1993.5	1917.3	1999.6	2058.2	1946.9	1784.5	1629.3	1340.5
7.5°	8904.5	3965.0	2397.2	2078.9	1944.3	1967.5	2017.4	1914.3	1793.9	1672.3	1461.1
5°	11149.2	4679.0	2501.3	2135.0	1962.7	1957.7	1991.1	1857.4	1786.8	1699.6	1556.9
2.5°	12413.7	5044.5	2559.9	2173.9	1978.5	1969.7	1989.5	1821.9	1773.1	1691.3	1572.0
0°	11909.9	4686.8	2531.9	2181.7	1990.2	1997.9	2010.9	1814.2	1757.2	1672.7	1564.0
-2.5°	12204.9	4952.9	2562.8	2181.2	1999.9	2004.3	2110.2	1899.2	1804.7	1691.1	1548.5
-5°	10684.9	4460.1	2456.1	2099.8	1947.6	1966.7	2086.4	1924.3	1808.4	1688.9	1508.8
-7.5°	8286.3	3743.5	2309.2	1999.3	1878.1	1912.1	1992.1	1873.1	1729.6	1617.8	1413.9
-10°	5282.4	2860.9	2131.9	1896.4	1812.5	1862.7	1915.5	1797.5	1646.7	1544.4	1304.4
-12.5°	3696.2	2271.0	1947.7	1783.1	1759.7	1850.2	1875.2	1714.0	1560.4	1470.4	1184.3
-15°	2434.9	2020.4	1829.3	1737.4	1743.0	1827.7	1846.7	1702.4	1576.2	1430.0	1057.4
-17.5°	2070.8	1842.6	1731.7	1720.3	1769.0	1814.0	1820.9	1734.8	1610.2	1404.5	944.2
-20°	1866.8	1748.2	1733.9	1752.1	1803.0	1837.3	1833.3	1777.7	1625.7	1275.0	817.8

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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1756.8	1780.3	1813.6	1835.5	1831.9	1841.1	1829.4	1779.0	1623.8	1094.9	674.7
-25°	1829.3	1912.6	1992.2	2001.4	1913.6	1845.1	1829.0	1731.9	1392.7	901.4	538.5
-27.5°	2039.8	2156.4	2243.7	2206.5	2077.2	1906.6	1801.9	1635.3	1116.0	716.4	526.2
-30°	2331.6	2385.6	2429.6	2403.6	2219.2	2018.0	1793.0	1309.7	877.6	565.2	512.8
-32.5°	2530.3	2518.1	2520.1	2479.0	2313.2	2067.2	1522.4	992.1	641.0	548.6	510.0
-35°	2612.4	2532.6	2473.1	2406.3	2329.8	1727.5	1155.9	738.6	579.5	534.8	509.4
-37.5°	2573.4	2432.2	2328.6	2189.8	1753.2	1252.8	807.2	624.8	564.2	532.3	506.8
-40°	2399.6	2247.5	1912.2	1548.6	1179.5	791.8	668.7	610.2	570.2	528.6	503.0
-42.5°	1937.9	1627.0	1310.5	1002.7	745.3	698.8	654.9	616.1	576.1	534.4	481.1
-45°	1304.2	1043.6	802.0	753.8	708.7	681.5	659.3	622.7	582.6	519.1	454.9
-47.5°	842.5	796.2	751.1	722.4	700.5	679.0	658.7	627.9	556.4	490.0	426.4
-50°	784.1	760.7	738.5	717.6	697.1	677.0	635.9	583.4	516.0	451.8	391.9
-52.5°	771.7	751.0	731.4	712.2	673.2	626.7	578.4	525.8	466.9	406.6	350.6
-55°	763.2	727.9	689.8	650.3	608.5	561.4	513.2	462.5	409.4	354.8	303.1
-57.5°	688.2	651.6	612.2	572.8	533.7	487.0	438.3	391.3	347.0	298.7	252.9
-60°	589.9	555.9	519.5	481.1	441.1	399.3	358.7	319.1	280.9	245.6	210.2
-62.5°	480.0	448.6	416.1	382.4	347.7	312.3	280.4	252.4	224.7	195.4	162.6
-65°	367.8	341.4	313.5	287.9	262.8	238.5	214.6	190.2	165.1	139.4	111.9
-67.5°	263.2	243.2	223.4	204.7	186.1	166.4	145.8	124.6	107.1	90.6	72.2
-70°	170.0	155.8	141.4	126.3	113.0	100.5	87.6	74.4	60.5	51.6	44.2
-72.5°	95.2	87.1	78.3	68.8	58.6	52.4	47.8	42.9	37.5	31.4	26.8
-75°	48.9	45.7	42.4	38.9	35.2	31.4	29.1	27.2	25.4	23.7	22.1
-77.5°	29.2	28.1	26.9	25.9	24.7	23.5	22.3	21.1	20.1	19.2	18.2
-80°	21.9	21.2	20.4	19.8	19.2	18.5	17.8	17.0	16.2	15.4	14.7
-82.5°	16.8	16.4	16.0	15.5	14.9	14.2	13.6	13.1	12.6	12.1	11.7
-85°	12.5	12.4	12.2	11.7	11.2	10.7	10.3	10.1	10.0	9.8	9.7
-87.5°	9.9	9.7	9.4	9.2	8.9	8.7	8.5	8.4	8.3	8.2	8.1
-90°	0.0	0.0	0.0	0.2	0.5	0.7	0.9	0.9	0.9	0.9	0.9



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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°	6.7	6.5	6.2	6.0	6.0	6.0	6.0	6.0	5.6	5.2	4.7
87.5°	1.0	1.2	1.3	1.4	1.4	1.5	1.6	1.7	1.8	1.9	1.9
85°	1.3	1.4	1.5	1.7	1.7	1.7	1.7	1.7	1.9	2.0	2.1
82.5°	1.7	1.7	1.7	1.7	1.8	1.9	2.0	2.0	2.1	2.2	2.3
80°	1.9	2.0	2.0	2.0	2.1	2.2	2.3	2.3	2.4	2.5	2.6
77.5°	2.2	2.3	2.4	2.5	2.4	2.4	2.5	2.6	2.8	2.8	2.9
75°	2.6	2.5	2.5	2.6	2.7	2.6	2.6	2.7	2.9	3.1	3.1
72.5°	3.2	3.0	2.8	2.7	2.8	2.9	2.7	2.7	2.9	3.1	3.3
70°	4.4	3.7	3.3	3.1	3.1	3.2	3.1	3.0	2.9	3.2	3.4
67.5°	6.1	5.0	4.2	3.6	3.4	3.3	3.4	3.4	3.3	3.2	3.4
65°	11.6	7.8	5.1	4.4	3.8	3.5	3.5	3.7	3.6	3.5	3.4
62.5°	15.9	11.8	8.2	5.6	4.4	3.8	3.5	3.8	3.9	3.8	3.6
60°	18.8	14.3	11.0	8.0	5.6	4.2	3.9	4.0	4.1	4.0	3.8
57.5°	18.0	15.6	13.2	10.1	7.2	5.1	4.3	4.3	4.3	4.3	4.1
55°	15.8	13.9	14.4	12.2	8.9	6.1	5.0	4.7	4.6	4.6	4.3
52.5°	13.0	13.0	14.2	13.7	10.9	7.4	6.0	5.1	5.0	4.9	4.6
50°	10.5	12.4	14.1	14.6	12.7	9.5	7.0	5.9	5.3	5.2	4.9
47.5°	9.5	11.8	13.6	15.4	14.3	11.6	8.6	6.7	5.7	5.5	5.2
45°	10.6	11.5	13.3	15.0	16.0	13.2	10.3	7.4	6.3	5.8	5.5
42.5°	12.7	12.9	13.4	14.6	15.9	14.5	11.9	8.8	6.9	6.1	5.8
40°	16.0	15.6	14.5	15.7	15.9	15.6	13.0	10.1	7.5	6.5	6.1
37.5°	20.3	19.4	17.5	18.7	17.0	16.0	13.9	11.4	8.3	7.0	6.3
35°	36.7	24.3	27.3	25.8	21.2	16.8	14.7	12.4	9.5	7.6	6.6
32.5°	57.6	45.6	48.2	37.9	26.7	18.0	15.5	13.4	10.7	8.2	6.9
30°	96.7	95.8	79.9	53.4	35.5	23.2	17.0	14.7	11.8	8.8	7.2
27.5°	163.0	156.8	123.6	82.7	50.3	30.0	19.7	16.1	12.9	9.5	7.6
25°	231.0	220.1	182.8	122.6	67.3	46.7	22.8	17.7	14.0	10.4	8.1
22.5°	304.1	281.4	249.1	169.0	96.2	68.8	31.2	20.2	15.3	11.2	8.6
20°	376.1	342.0	316.2	208.9	132.0	94.5	47.2	22.8	16.5	12.0	9.0
17.5°	462.6	390.4	342.7	248.3	167.8	120.5	66.0	25.7	17.9	12.7	9.4
15°	598.1	422.6	366.1	283.0	198.9	146.5	87.0	28.6	19.2	13.4	9.8
12.5°	721.5	452.5	389.3	313.1	225.7	172.2	109.6	31.6	20.6	14.0	10.1
10°	837.0	480.0	411.8	338.9	248.6	197.5	132.8	34.5	21.9	14.6	10.4
7.5°	941.7	505.1	433.2	360.6	266.2	213.7	147.2	37.4	23.1	15.1	10.7
5°	1020.5	523.5	449.3	370.3	270.7	219.2	158.0	40.2	24.1	15.6	10.9
2.5°	1028.0	532.8	461.3	375.6	273.7	223.0	166.2	42.7	25.1	16.1	11.1
0°	1012.8	539.2	471.0	377.8	275.2	225.2	171.7	44.9	25.9	16.4	11.2
-2.5°	998.3	539.4	471.9	384.5	287.6	231.8	177.7	57.7	34.2	21.1	13.3
-5°	965.8	537.2	470.3	388.6	298.2	237.0	181.4	69.9	42.1	25.5	15.4
-7.5°	910.6	526.9	463.6	389.7	306.4	241.0	183.0	81.2	49.5	29.6	17.3
-10°	837.0	510.8	450.5	383.7	310.2	246.2	183.7	91.3	56.1	33.4	19.0
-12.5°	747.1	493.0	437.1	377.6	312.7	252.4	185.4	99.9	62.0	36.6	20.5
-15°	641.5	473.6	424.2	372.4	314.4	257.4	185.4	106.9	67.2	39.6	21.7
-17.5°	524.8	452.8	412.3	368.8	315.7	261.2	183.9	112.3	71.5	42.6	23.0
-20°	500.4	443.2	402.3	367.3	316.8	263.8	180.9	116.0	74.7	44.7	24.3



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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°	492.3	444.2	405.5	366.1	317.8	265.4	176.7	117.8	76.8	46.1	25.1
-25°	482.8	446.2	410.4	365.9	317.7	257.9	174.7	117.7	77.7	46.5	25.2
-27.5°	481.1	449.4	414.8	362.3	312.2	249.4	173.9	118.3	77.6	45.9	24.8
-30°	484.2	453.0	410.4	355.1	304.3	235.3	170.5	117.4	76.9	45.1	23.6
-32.5°	485.4	456.5	399.9	344.6	289.3	220.6	162.7	114.7	74.8	43.8	23.0
-35°	483.5	444.7	385.3	331.1	271.5	208.9	153.5	110.3	71.2	41.4	22.3
-37.5°	479.4	423.7	367.8	313.5	253.3	195.4	145.2	103.3	66.3	38.1	21.1
-40°	455.5	401.5	347.6	293.4	236.2	180.3	135.4	95.1	61.2	33.7	19.5
-42.5°	430.3	377.4	324.7	272.7	217.8	167.5	124.0	85.5	54.5	30.5	17.5
-45°	402.0	350.7	299.3	248.2	198.2	153.1	111.4	74.6	46.7	27.6	15.8
-47.5°	371.0	320.7	270.3	221.1	179.8	136.8	97.2	64.8	38.2	24.1	15.2
-50°	336.2	286.8	237.7	195.9	158.0	118.8	82.1	53.8	33.3	19.9	14.4
-52.5°	297.6	248.1	207.3	170.8	134.1	98.7	68.3	42.4	28.0	17.8	13.5
-55°	253.5	213.2	178.5	142.8	108.3	80.2	53.3	35.5	22.1	16.6	12.5
-57.5°	215.5	180.8	145.7	112.1	84.7	61.0	42.0	28.1	19.5	15.3	11.9
-60°	176.3	142.0	109.8	84.9	62.5	45.2	32.8	22.2	17.8	14.0	11.2
-62.5°	130.9	102.4	80.4	59.5	44.9	33.9	24.3	20.0	16.0	13.2	10.5
-65°	90.7	70.6	52.4	42.1	32.0	24.4	21.6	17.8	14.9	12.3	9.8
-67.5°	54.7	45.8	36.7	27.7	23.9	21.4	18.7	16.3	13.8	11.4	9.5
-70°	36.5	28.7	24.8	22.8	20.6	18.4	17.0	15.1	12.8	10.8	9.0
-72.5°	24.9	23.1	21.3	19.5	17.9	16.6	15.4	13.9	11.9	10.1	8.5
-75°	20.6	19.3	18.0	16.8	15.6	14.6	13.8	12.7	10.9	9.4	7.9
-77.5°	17.1	16.1	15.0	14.2	13.5	12.9	12.2	11.4	9.9	8.6	7.2
-80°	14.0	13.4	12.8	12.2	11.7	11.2	10.8	10.3	9.0	7.7	6.5
-82.5°	11.3	11.0	10.7	10.5	10.2	9.9	9.6	9.2	8.1	6.9	5.9
-85°	9.5	9.3	9.2	9.0	8.8	8.6	8.4	8.2	7.2	6.3	5.5
-87.5°	8.0	7.8	7.7	7.5	7.4	7.3	7.2	7.1	6.4	5.7	5.1
-90°	0.9	0.9	0.9	0.9	1.1	1.3	1.5	1.7	1.7	1.7	1.7

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.3	3.9	3.5	3.0	2.6	2.6	2.6
87.5°	1.9	2.1	2.2	2.4	2.6	2.6	2.6
85°	2.2	2.2	2.3	2.4	2.6	2.6	2.6
82.5°	2.4	2.4	2.4	2.5	2.6	2.7	2.6
80°	2.6	2.5	2.5	2.5	2.6	2.7	2.6
77.5°	2.9	2.7	2.5	2.5	2.6	2.7	2.6
75°	3.1	2.9	2.6	2.6	2.6	2.7	2.6
72.5°	3.3	3.0	2.8	2.6	2.6	2.7	2.6
70°	3.5	3.2	2.9	2.6	2.6	2.8	2.6
67.5°	3.5	3.4	3.1	2.7	2.7	2.8	2.6
65°	3.6	3.5	3.2	2.8	2.7	2.8	2.6
62.5°	3.6	3.6	3.4	2.9	2.7	2.8	2.6
60°	3.7	3.7	3.5	3.0	2.7	2.9	2.6
57.5°	3.8	3.7	3.6	3.1	2.8	2.9	2.6
55°	4.1	3.8	3.7	3.2	2.9	2.9	2.6
52.5°	4.3	3.9	3.7	3.3	3.0	2.9	2.6
50°	4.5	4.1	3.8	3.4	3.1	3.0	2.6
47.5°	4.7	4.3	3.9	3.5	3.1	3.0	2.6
45°	5.0	4.4	4.0	3.6	3.2	3.0	2.6
42.5°	5.2	4.6	4.1	3.7	3.3	3.0	2.6
40°	5.5	4.8	4.2	3.8	3.4	3.1	2.6
37.5°	5.8	4.9	4.4	3.9	3.5	3.1	2.6
35°	6.1	5.1	4.5	4.0	3.5	3.1	2.6
32.5°	6.4	5.4	4.6	4.1	3.6	3.2	2.6
30°	6.6	5.6	4.7	4.2	3.7	3.2	2.6
27.5°	6.8	5.8	4.8	4.3	3.7	3.2	2.6
25°	7.0	6.0	5.0	4.4	3.8	3.2	2.6
22.5°	7.2	6.3	5.1	4.5	3.9	3.3	2.6
20°	7.4	6.4	5.2	4.6	3.9	3.3	2.6
17.5°	7.6	6.5	5.4	4.7	4.0	3.3	2.6
15°	7.7	6.7	5.5	4.8	4.0	3.4	2.6
12.5°	7.9	6.7	5.6	4.8	4.1	3.4	2.6
10°	8.1	6.8	5.7	4.9	4.1	3.4	2.6
7.5°	8.2	6.8	5.8	5.0	4.2	3.4	2.6
5°	8.4	6.9	5.8	5.1	4.2	3.5	2.6
2.5°	8.5	6.9	5.9	5.1	4.3	3.5	2.6
0°	8.6	6.9	6.0	5.2	4.3	3.5	2.6
-2.5°	9.4	7.3	6.2	5.3	4.3	3.5	2.6
-5°	10.2	7.7	6.3	5.3	4.4	3.5	2.6
-7.5°	10.9	8.0	6.4	5.3	4.4	3.5	2.6
-10°	11.6	8.3	6.6	5.4	4.4	3.6	2.6
-12.5°	12.2	8.6	6.7	5.4	4.5	3.6	2.6
-15°	12.7	8.8	6.8	5.4	4.5	3.6	2.6
-17.5°	13.1	9.1	6.8	5.4	4.5	3.6	2.6
-20°	13.5	9.2	6.9	5.5	4.5	3.6	2.6

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	13.9	9.3	6.9	5.5	4.5	3.6	2.6
-25°	14.2	9.4	6.9	5.5	4.5	3.6	2.6
-27.5°	14.1	9.4	6.9	5.5	4.5	3.6	2.6
-30°	13.8	9.4	6.8	5.5	4.5	3.6	2.6
-32.5°	13.2	9.3	6.8	5.5	4.5	3.5	2.6
-35°	12.9	9.2	6.8	5.4	4.5	3.5	2.6
-37.5°	12.7	9.1	6.7	5.4	4.5	3.5	2.6
-40°	12.4	9.0	6.6	5.4	4.5	3.5	2.6
-42.5°	12.1	8.8	6.6	5.4	4.5	3.5	2.6
-45°	11.6	8.6	6.6	5.4	4.4	3.4	2.6
-47.5°	11.1	8.4	6.5	5.4	4.4	3.4	2.6
-50°	10.7	8.1	6.5	5.3	4.4	3.4	2.6
-52.5°	10.3	7.8	6.4	5.3	4.3	3.3	2.6
-55°	9.8	7.7	6.3	5.2	4.3	3.3	2.6
-57.5°	9.3	7.5	6.3	5.1	4.2	3.3	2.6
-60°	8.8	7.4	6.1	5.0	4.2	3.2	2.6
-62.5°	8.5	7.2	6.0	4.9	4.1	3.2	2.6
-65°	8.3	7.0	5.8	4.8	4.0	3.1	2.6
-67.5°	8.0	6.7	5.5	4.7	3.9	3.1	2.6
-70°	7.6	6.3	5.3	4.5	3.7	3.0	2.6
-72.5°	7.1	5.9	5.0	4.3	3.6	3.0	2.6
-75°	6.5	5.5	4.8	4.2	3.5	2.9	2.6
-77.5°	5.9	5.1	4.5	4.0	3.3	2.9	2.6
-80°	5.3	4.8	4.3	3.8	3.2	2.8	2.6
-82.5°	5.0	4.6	4.1	3.6	3.0	2.8	2.6
-85°	4.8	4.3	3.9	3.4	2.9	2.7	2.6
-87.5°	4.5	4.1	3.7	3.2	2.7	2.7	2.6
-90°	1.7	1.9	2.2	2.4	2.6	2.6	2.6

(END OF REPORT)

Horizontal Angle (degrees)



Horizontal Angle (degrees)

