

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

Brand: EPHESUS

Report Number: P1212102 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-40-80-7F-ECV**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212102 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-33)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: EPHEBUS
Catalog Number: EPH-LS12-1000R-40-80-7F-ECV
Description: EPHEBUS LS12 LUMINAIRE
(12) 4000K, 80 CRI LEDS AND 7F BEAM SHAPE WITH EXTREME CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

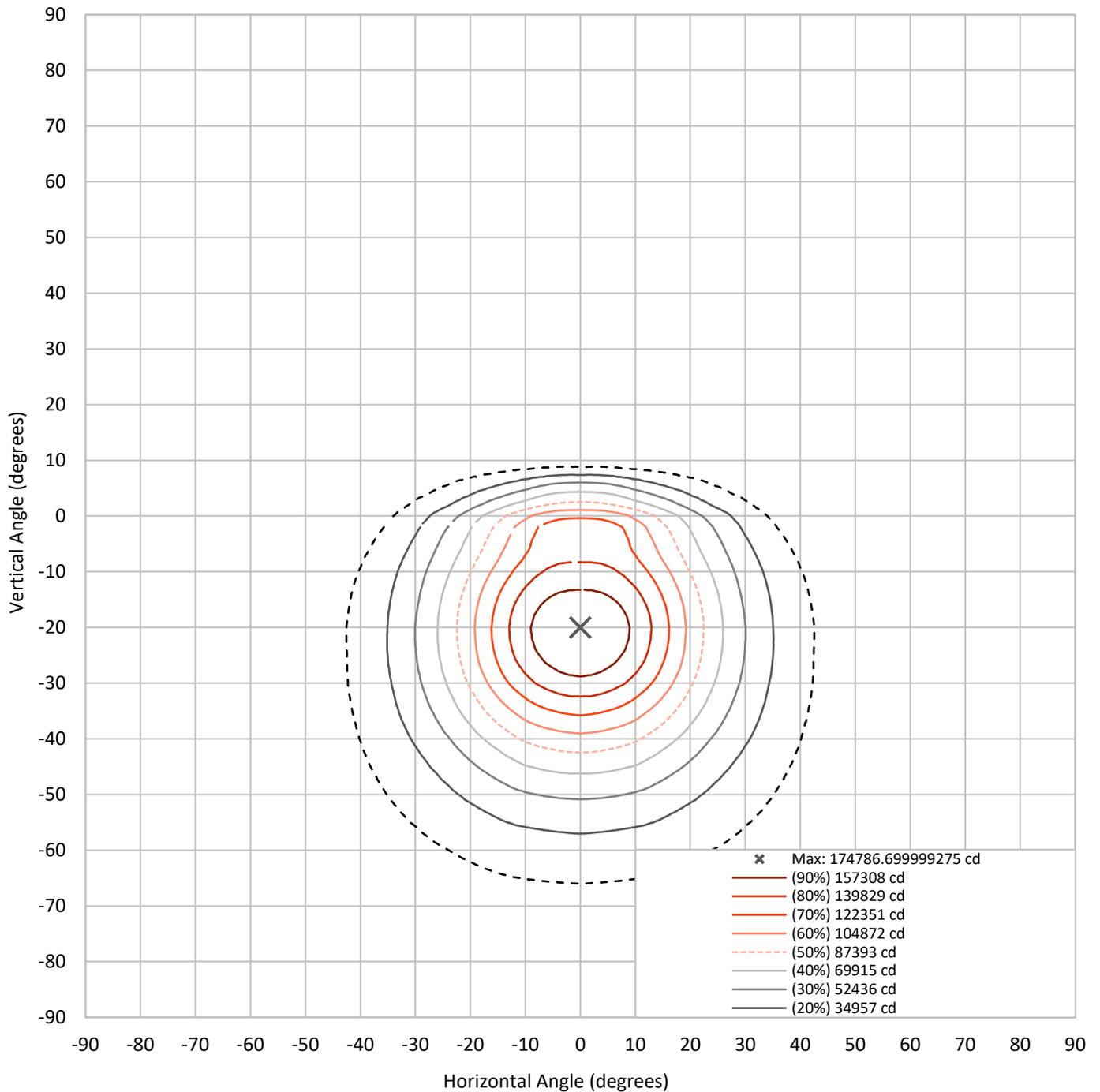
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	115194.7 lumens	Max Intensity:	174786.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -20°V
Efficacy:	110.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	44.8°H x 44.8°V	Field Angle (10%):	84.9°H x 74.8°V
Beam Lumens:	61816.6 lumens	Field Lumens:	105615.8 lumens
Beam Efficiency:	53.7%	Field Efficiency:	91.7%

Input Watts (W): 1041
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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CATALOG NUMBER: EPH-LS12-1000R-40-80-7F-ECV

Iso-Candela Plot



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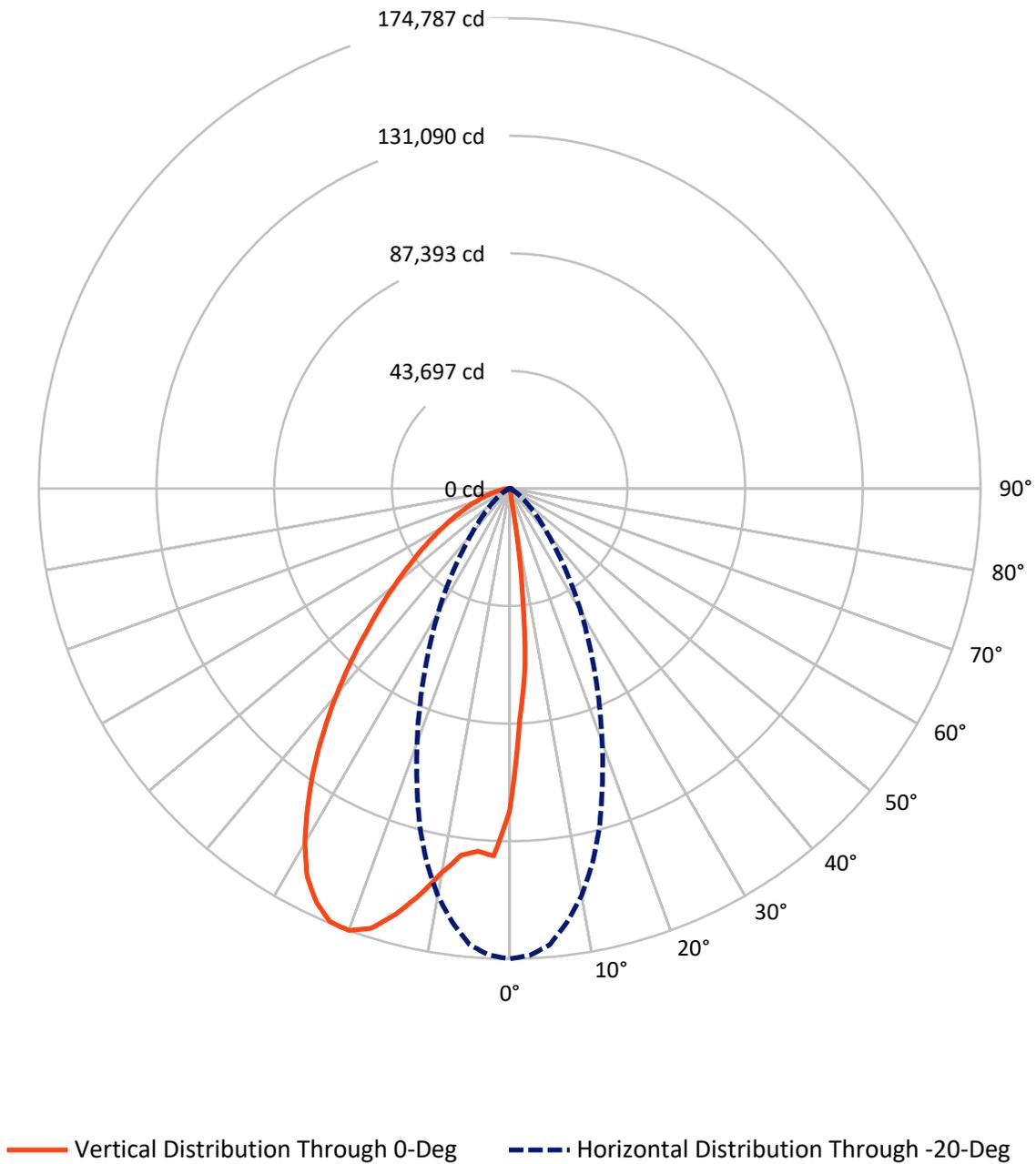
CATALOG NUMBER: EPH-LS12-1000R-40-80-7F-ECV

Lumen Table

90	2.3	6.0		7.7		8.1		7.7		8.1		7.7		6.0	2.3	
80	2.3	6.0		7.7		8.1		7.7		8.1		7.7		6.0	2.3	
70	2.2	1.2	1.5	1.5	1.4	1.1	0.7	0.2	0.2	0.7	1.1	1.4	1.5	1.5	1.2	2.2
60		1.3	1.5	1.6	1.5	1.2	0.7	0.2	0.2	0.7	1.2	1.5	1.6	1.5	1.3	
50	2.3	1.3	1.6	1.7	1.6	1.3	0.8	0.3	0.3	0.8	1.3	1.6	1.7	1.6	1.3	2.3
40		1.4	1.7	1.9	1.9	1.6	1.1	0.4	0.4	1.1	1.6	1.9	1.9	1.7	1.4	
30	2.4	1.5	1.9	2.2	2.3	2.0	1.4	0.5	0.5	1.4	2.0	2.3	2.2	1.9	1.5	2.4
20		1.6	2.7	4.8	6.7	14.3	17.4	17.3	17.3	17.4	14.3	6.7	4.8	2.7	1.6	
10	2.9	2.5	10.2	43.0	179.2	552.3	1166.9	1755.1	1755.1	1166.9	552.3	179.2	43.0	10.2	2.5	2.9
0		6.6	41.9	179.4	603.8	1531.4	2868.4	3959.5	3959.5	2868.4	1531.4	603.8	179.4	41.9	6.6	
-10	4.8	13.4	76.3	285.1	848.8	1974.9	3572.6	4754.6	4754.6	3572.6	1974.9	848.8	285.1	76.3	13.4	4.8
-20		18.3	91.4	308.7	889.3	2017.6	3629.1	4864.0	4864.0	3629.1	2017.6	889.3	308.7	91.4	18.3	
-30	6.6	19.2	87.9	284.4	764.5	1634.7	2802.4	3675.6	3675.6	2802.4	1634.7	764.5	284.4	87.9	19.2	6.6
-40		17.8	74.9	226.9	554.5	1097.1	1767.0	2234.1	2234.1	1767.0	1097.1	554.5	226.9	74.9	17.8	
-50	6.0	14.7	55.4	157.1	352.2	649.2	986.0	1194.0	1194.0	986.0	649.2	352.2	157.1	55.4	14.7	6.0
-60		10.2	33.3	90.2	191.9	329.6	481.0	571.6	571.6	481.0	329.6	191.9	90.2	33.3	10.2	
-70	4.3	10.2	33.3	90.2	191.9	329.6	481.0	571.6	571.6	481.0	329.6	191.9	90.2	33.3	10.2	4.3
-80		4.3	29.8		139.5		386.6		539.9		386.6		139.5		29.8	
-90	4.3	29.8		139.5		386.6		539.9		386.6		139.5		29.8		4.3

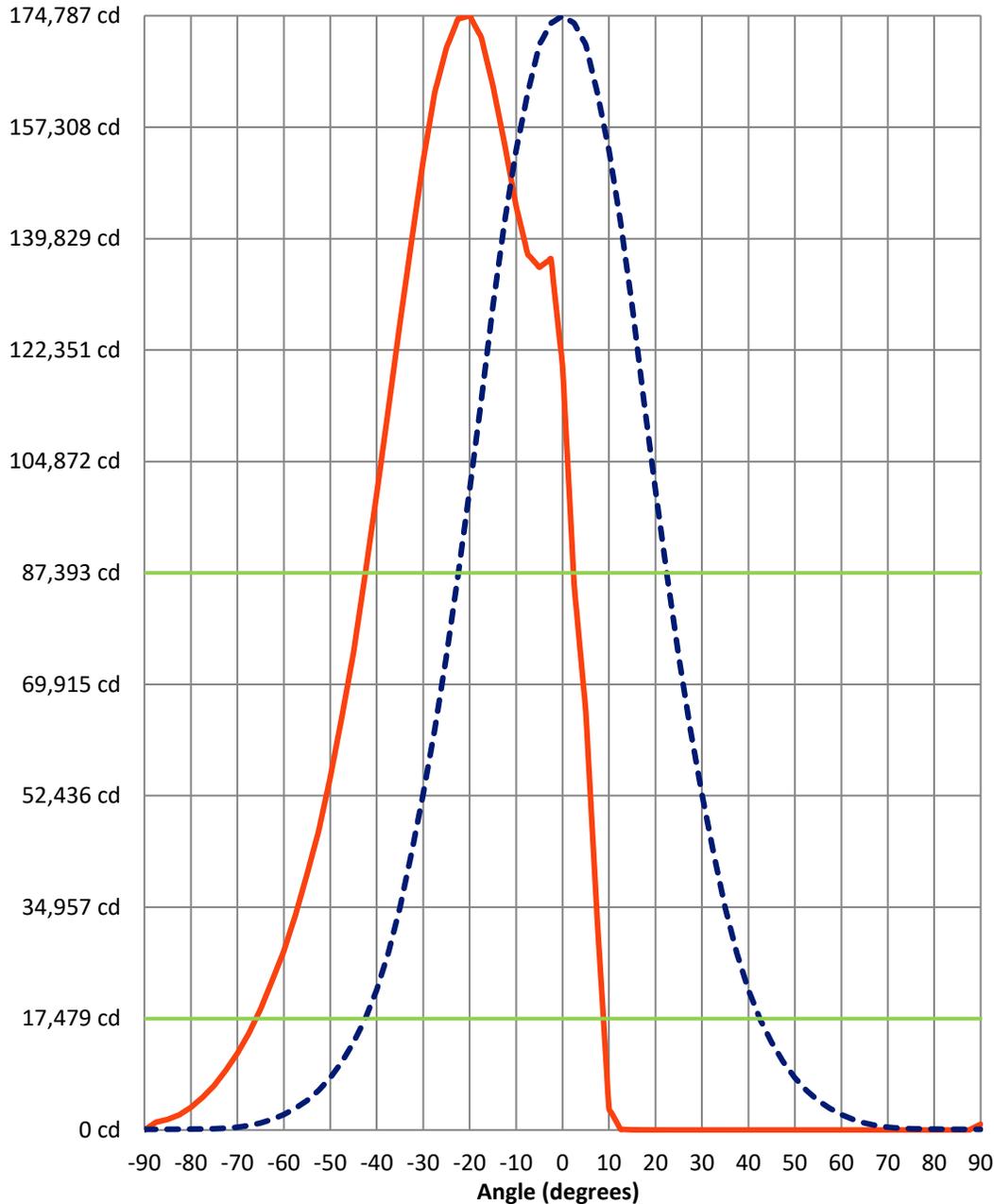
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CATALOG NUMBER: EPH-LS12-1000R-40-80-7F-ECV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 44.8°
 V Angle: 44.8°
 Lumens: 61816.6
 Efficiency: 53.7%

Field:
 H Angle: 84.9°
 V Angle: 74.8°
 Lumens: 105615.8
 Efficiency: 91.7%

Spill:
 Lumens: 9578.8
 Efficiency: 8.3%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -20-Deg



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CATALOG NUMBER: EPH-LS12-1000R-40-80-7F-ECV

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	110.1	118.0	126.0	145.0	164.1	183.1	202.2	218.7	235.1	251.6	268.1
87.5°	110.1	109.2	108.3	106.9	105.4	104.0	102.5	100.2	97.8	95.5	93.1
85°	110.1	109.2	108.4	107.0	105.5	104.1	102.5	100.2	97.9	95.5	93.2
82.5°	110.1	109.2	108.4	107.1	105.6	104.1	102.6	100.3	98.0	95.7	93.3
80°	110.1	109.2	108.5	107.2	105.8	104.2	102.7	100.5	98.3	95.9	93.4
77.5°	110.1	109.3	108.6	107.3	105.9	104.4	103.0	100.9	98.6	96.2	93.6
75°	110.1	109.3	108.7	107.5	106.0	104.6	103.3	101.3	99.0	96.4	93.9
72.5°	110.1	109.3	108.8	107.6	106.2	104.9	103.7	101.7	99.2	96.7	94.2
70°	110.1	109.4	108.9	107.8	106.4	105.1	104.0	101.9	99.5	97.0	94.5
67.5°	110.1	109.4	109.0	107.9	106.5	105.4	104.1	102.2	99.8	97.3	94.9
65°	110.1	109.4	109.1	108.0	106.7	105.6	104.3	102.5	100.1	97.7	95.3
62.5°	110.1	109.4	109.2	108.1	106.9	105.8	104.5	102.9	100.5	98.2	95.8
60°	110.1	109.5	109.2	108.2	107.0	106.0	104.8	103.2	100.9	98.8	96.5
57.5°	110.1	109.5	109.3	108.3	107.3	106.3	105.0	103.6	101.5	99.5	97.2
55°	110.1	109.5	109.4	108.4	107.5	106.5	105.3	103.9	102.2	100.2	98.0
52.5°	110.1	109.6	109.4	108.5	107.7	106.8	105.6	104.4	103.0	101.1	98.9
50°	110.1	109.6	109.5	108.7	108.0	107.1	106.0	105.0	103.8	102.0	99.7
47.5°	110.1	109.6	109.6	108.8	108.3	107.5	106.4	105.6	104.7	103.0	100.5
45°	110.1	109.7	109.7	109.0	108.6	107.8	106.9	106.1	105.5	103.8	101.4
42.5°	110.1	109.7	109.9	109.3	108.9	108.2	107.4	106.8	106.2	104.6	102.4
40°	110.1	109.7	110.0	109.5	109.2	108.6	107.9	107.5	107.0	105.5	103.4
37.5°	110.1	109.7	110.1	109.9	109.5	109.0	108.5	108.2	107.7	106.4	104.4
35°	110.1	109.8	110.3	110.2	109.8	109.4	109.0	109.0	108.6	107.4	105.5
32.5°	110.1	109.8	110.4	110.6	110.1	109.8	109.6	109.7	109.5	108.5	107.2
30°	110.1	109.8	110.6	111.0	110.5	110.3	110.2	110.5	110.5	109.8	109.1
27.5°	110.1	109.8	110.8	111.5	111.2	110.8	110.9	111.4	111.6	111.2	111.2
25°	110.1	109.9	111.0	111.9	112.1	111.2	111.6	112.3	112.8	112.9	113.6
22.5°	110.1	109.9	111.2	112.4	113.0	112.0	112.2	113.2	114.1	114.9	116.0
20°	110.1	109.9	111.4	112.8	113.9	113.7	112.9	114.2	115.4	117.0	118.6
17.5°	110.1	109.9	111.6	113.3	114.9	115.4	114.8	115.2	116.8	119.1	121.3
15°	110.1	110.0	111.8	113.8	116.0	117.2	117.5	117.5	118.2	121.4	124.1
12.5°	110.1	110.0	112.0	114.3	117.0	119.1	120.3	121.5	121.8	123.6	127.0
10°	110.1	110.0	112.2	114.8	118.1	121.1	123.1	125.6	127.3	132.6	135.2
7.5°	110.1	110.0	112.4	115.2	119.2	123.1	126.0	129.7	132.9	143.0	155.6
5°	110.1	110.1	112.5	115.7	120.2	125.0	128.9	133.8	138.5	153.7	177.0
2.5°	110.1	110.1	112.7	116.2	121.3	127.0	131.7	138.0	144.1	164.5	198.7
0°	110.1	110.1	112.9	116.6	122.3	128.9	134.5	142.0	149.6	175.0	220.1
-2.5°	110.1	110.6	114.0	118.6	125.7	134.9	144.4	158.2	180.1	233.0	326.6
-5°	110.1	111.1	115.1	120.5	129.0	140.8	154.1	174.1	209.8	289.0	429.4
-7.5°	110.1	111.6	116.2	122.4	132.2	146.4	163.6	189.5	238.1	341.8	525.7
-10°	110.1	112.0	117.2	124.3	135.3	151.9	172.6	204.0	264.4	390.0	612.7
-12.5°	110.1	112.5	118.2	126.1	138.2	157.0	181.1	217.6	288.2	440.4	743.9
-15°	110.1	113.0	119.2	127.8	141.0	161.7	189.0	230.0	329.7	541.2	886.0
-17.5°	110.1	113.4	120.2	129.4	143.7	166.1	196.2	258.2	392.2	629.9	1008.8
-20°	110.1	113.9	121.1	131.0	146.1	169.9	209.7	296.6	447.2	704.9	1109.7



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 CATALOG NUMBER: EPH-LS12-1000R-40-80-7F-ECV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	110.1	114.3	122.0	132.5	148.3	173.2	233.3	330.7	493.5	764.7	1186.5
-25°	110.1	114.7	122.9	133.9	150.3	184.0	254.6	360.0	530.4	807.9	1237.3
-27.5°	110.1	115.1	123.7	135.2	152.0	196.9	273.4	384.0	557.1	840.5	1285.7
-30°	110.1	115.5	124.5	136.3	154.1	208.2	289.4	402.5	581.6	871.1	1310.9
-32.5°	110.1	115.9	125.2	137.4	161.2	218.0	302.6	420.2	602.5	886.6	1311.0
-35°	110.1	116.2	125.9	138.4	167.4	226.0	313.9	435.0	615.0	886.6	1285.2
-37.5°	110.1	116.5	126.5	139.2	172.8	232.8	323.0	445.5	618.8	870.7	1293.1
-40°	110.1	116.8	127.1	139.9	177.1	239.1	329.4	451.4	613.8	859.8	1296.2
-42.5°	110.1	117.1	127.6	141.2	180.9	243.7	333.1	452.8	611.0	869.8	1278.4
-45°	110.1	117.4	128.0	143.6	184.1	246.8	334.0	451.5	607.1	867.4	1244.9
-47.5°	110.1	117.6	128.4	145.4	186.4	248.3	332.1	448.6	597.7	849.6	1219.9
-50°	110.1	117.8	128.8	147.2	187.8	248.2	330.6	441.9	593.0	838.7	1175.2
-52.5°	110.1	118.0	129.1	148.8	188.3	246.5	327.3	431.5	583.4	813.2	1114.2
-55°	110.1	118.2	129.3	150.0	187.9	244.5	321.7	418.1	567.3	773.6	1058.6
-57.5°	110.1	118.3	129.5	150.9	186.6	241.3	313.9	406.5	542.8	733.3	986.1
-60°	110.1	118.4	129.6	151.5	184.5	236.7	304.3	392.7	512.4	685.8	905.5
-62.5°	110.1	118.5	129.6	151.8	184.0	230.9	294.7	374.7	483.5	628.6	828.1
-65°	110.1	118.6	129.6	151.9	183.0	223.8	283.3	354.1	448.8	575.7	739.3
-67.5°	110.1	118.6	129.5	151.6	181.6	218.1	270.2	333.9	408.9	519.2	657.0
-70°	110.1	118.6	129.3	151.1	179.6	214.2	255.7	311.7	377.6	456.7	573.8
-72.5°	110.1	118.6	129.0	150.7	177.3	209.6	247.2	287.4	344.1	411.9	490.6
-75°	110.1	118.6	128.8	150.4	174.6	204.5	238.9	272.2	308.3	364.7	430.6
-77.5°	110.1	118.6	128.4	149.8	173.0	198.8	229.9	260.0	291.0	323.5	367.6
-80°	110.1	118.5	128.0	149.1	171.6	195.1	220.4	247.2	275.1	304.2	334.5
-82.5°	110.1	118.4	127.6	148.3	170.0	192.5	215.7	236.7	258.7	284.3	310.7
-85°	110.1	118.3	127.1	147.3	168.2	189.6	211.5	230.9	250.7	270.8	291.3
-87.5°	110.1	118.2	126.6	146.3	166.2	186.5	207.0	224.9	243.1	261.4	279.9
-90°	110.1	109.2	108.2	106.8	105.4	103.9	102.5	100.2	97.8	95.5	93.1



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	281.5	294.9	308.3	321.7	338.9	356.1	373.2	390.4	415.3	440.3	465.2
87.5°	90.0	86.8	83.7	80.5	77.1	73.5	70.0	66.5	62.8	59.1	55.3
85°	90.1	87.1	84.1	81.0	77.5	74.0	70.5	67.0	63.1	59.2	55.2
82.5°	90.3	87.3	84.2	81.2	77.7	74.2	70.7	67.0	63.0	59.0	55.1
80°	90.5	87.5	84.4	81.4	77.9	74.2	70.4	66.6	62.8	58.9	55.2
77.5°	90.7	87.7	84.7	81.7	78.1	74.4	70.6	66.8	63.1	59.3	55.5
75°	91.0	88.0	85.0	82.0	78.6	74.8	71.1	67.3	63.5	59.8	56.0
72.5°	91.4	88.4	85.4	82.4	79.1	75.4	71.6	67.8	64.1	60.3	56.5
70°	91.8	88.9	85.9	82.9	79.7	76.0	72.2	68.5	64.7	60.9	57.2
67.5°	92.3	89.3	86.4	83.5	80.4	76.7	73.0	69.2	65.4	61.7	57.9
65°	92.8	89.9	87.0	84.1	81.1	77.3	73.5	69.8	66.2	62.5	58.7
62.5°	93.3	90.5	87.6	84.7	81.4	77.7	74.2	70.7	67.1	63.4	59.6
60°	94.0	91.2	88.3	85.1	81.8	78.6	75.1	71.6	68.1	64.4	60.6
57.5°	94.7	91.9	88.9	85.9	82.9	79.6	76.2	72.7	69.2	65.6	61.7
55°	95.4	92.7	89.9	87.1	84.0	80.7	77.3	73.9	70.4	66.8	63.0
52.5°	96.2	93.7	91.2	88.4	85.2	81.9	78.6	75.3	71.9	68.2	64.4
50°	97.1	94.9	92.7	89.6	86.4	83.2	80.2	77.1	73.5	69.7	65.9
47.5°	98.2	96.2	93.9	90.9	87.8	84.9	82.1	78.8	75.1	71.4	67.5
45°	99.3	97.3	95.0	92.2	89.4	86.8	83.8	80.5	76.9	73.2	69.3
42.5°	100.4	98.5	96.2	93.7	91.3	88.6	85.5	82.2	78.8	75.1	71.4
40°	101.6	99.8	97.6	95.5	93.2	90.3	87.2	84.1	80.8	77.4	73.9
37.5°	102.9	101.2	99.2	97.4	94.9	92.1	89.1	86.1	83.2	80.2	76.3
35°	104.2	102.6	101.0	99.1	96.5	94.0	91.2	88.3	85.8	82.7	79.0
32.5°	105.7	104.3	102.8	100.5	98.3	96.0	93.3	91.0	88.5	85.4	81.8
30°	107.5	106.0	104.6	102.0	100.2	98.1	95.8	93.8	91.4	88.7	86.0
27.5°	110.1	107.9	106.0	103.8	102.3	100.4	98.7	96.8	94.8	92.6	90.7
25°	112.9	111.5	107.5	105.8	104.5	103.1	101.9	100.4	98.8	97.0	94.5
22.5°	116.0	115.6	112.2	108.0	106.9	106.1	105.4	104.5	103.6	101.9	98.2
20°	119.5	119.9	118.8	118.9	112.2	109.2	109.2	108.8	109.7	111.0	106.7
17.5°	123.2	124.7	127.6	132.8	133.6	127.1	113.2	113.4	117.1	125.2	128.2
15°	127.2	130.0	137.8	149.2	160.4	171.5	175.0	148.9	128.2	144.6	157.1
12.5°	131.3	135.6	149.1	167.6	191.4	225.8	271.3	317.3	336.2	266.6	193.0
10°	135.5	141.4	161.2	187.6	225.8	287.8	385.7	523.5	693.4	866.1	993.4
7.5°	171.5	185.0	196.8	208.5	262.2	354.9	512.6	756.6	1104.5	1575.4	2267.1
5°	214.4	272.3	362.0	476.1	598.6	719.1	858.8	1016.8	1547.2	2353.0	3704.7
2.5°	258.4	362.6	533.1	791.8	1136.2	1557.4	2130.4	2870.2	3807.3	4975.2	6749.7
0°	301.9	452.4	703.6	1108.1	1676.2	2400.5	3410.7	4737.0	6425.5	8440.3	11079.7
-2.5°	480.2	731.5	1104.6	1657.1	2396.0	3363.5	4676.6	6289.1	8437.0	11245.3	14699.6
-5°	652.0	999.6	1489.3	2181.5	3081.8	4275.9	5869.4	7751.7	10345.0	13822.2	17991.7
-7.5°	812.8	1250.0	1848.8	2680.8	3763.5	5201.5	7086.4	9308.9	12248.0	16102.2	20843.0
-10°	970.0	1521.8	2245.0	3208.4	4450.1	6083.3	8197.2	10700.6	13905.6	18055.8	23222.0
-12.5°	1186.4	1807.5	2614.8	3676.6	5051.6	6842.1	9143.4	11893.0	15273.6	19631.7	25087.1
-15°	1379.3	2058.1	2938.6	4075.4	5554.0	7458.1	9900.7	12858.5	16288.8	20814.6	26434.5
-17.5°	1545.4	2268.7	3210.3	4395.9	5944.8	7914.1	10417.3	13437.8	16962.7	21646.5	27429.2
-20°	1681.4	2434.9	3424.7	4630.6	6225.9	8213.3	10697.3	13755.0	17399.5	22003.3	27788.2



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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°	1784.5	2552.7	3587.9	4835.0	6428.4	8397.5	10818.3	13805.0	17442.9	21798.8	28000.3
-25°	1862.3	2660.5	3702.4	4959.0	6516.8	8452.5	10756.6	13616.3	17205.1	22028.3	27981.5
-27.5°	1914.7	2723.1	3747.5	5002.8	6493.0	8400.4	10655.2	13391.3	17221.3	21949.2	27439.5
-30°	1930.5	2748.5	3732.0	4976.8	6452.9	8281.5	10452.6	13281.3	16973.1	21562.3	26855.0
-32.5°	1926.7	2735.5	3706.8	4909.6	6339.6	8028.2	10303.9	13120.4	16566.1	20749.7	25826.2
-35°	1919.4	2716.5	3652.3	4769.0	6134.6	7844.8	10094.8	12755.6	15885.8	19804.7	24591.0
-37.5°	1907.5	2662.8	3548.0	4603.3	5910.2	7660.8	9708.0	12256.6	15187.0	18656.3	23177.0
-40°	1866.4	2574.9	3438.1	4435.4	5705.8	7374.8	9335.4	11597.3	14316.3	17674.1	21525.1
-42.5°	1802.3	2495.3	3302.4	4230.1	5493.8	7015.7	8813.6	10934.2	13433.2	16458.3	19960.5
-45°	1756.9	2382.6	3135.7	4074.8	5222.8	6595.4	8261.3	10164.3	12515.6	15149.0	18254.2
-47.5°	1686.6	2253.4	2970.9	3845.2	4912.3	6173.7	7625.4	9445.8	11496.3	13886.9	16487.0
-50°	1601.5	2140.8	2777.2	3598.2	4554.0	5696.5	7027.0	8660.0	10538.0	12585.2	14890.6
-52.5°	1520.2	2000.4	2599.7	3315.3	4179.7	5183.3	6423.7	7885.2	9543.9	11364.5	13387.4
-55°	1416.3	1863.2	2396.0	3038.3	3790.3	4677.6	5792.1	7111.6	8510.6	10151.7	11907.1
-57.5°	1310.1	1703.7	2180.1	2748.5	3414.3	4180.2	5203.8	6322.9	7600.5	8959.2	10456.3
-60°	1195.1	1532.9	1945.5	2446.8	3024.5	3734.1	4587.3	5583.0	6678.3	7846.0	9147.1
-62.5°	1068.0	1358.5	1706.1	2123.8	2631.6	3248.8	3990.3	4828.4	5748.1	6775.9	7864.3
-65°	950.4	1174.8	1466.7	1817.4	2213.7	2767.8	3387.6	4059.4	4843.8	5698.4	6606.6
-67.5°	817.2	1007.1	1233.4	1503.8	1850.4	2290.5	2782.6	3362.6	3986.4	4650.4	5369.4
-70°	701.9	832.1	1010.9	1227.6	1488.4	1822.3	2229.7	2679.9	3173.1	3713.2	4303.9
-72.5°	586.0	693.4	814.6	948.9	1161.0	1425.2	1713.3	2023.7	2408.1	2856.4	3319.1
-75°	492.5	552.1	644.2	751.0	894.6	1064.6	1252.1	1498.6	1790.3	2113.6	2447.7
-77.5°	417.8	467.9	519.7	573.2	664.2	801.2	946.5	1099.4	1292.0	1507.0	1731.8
-80°	359.4	383.0	423.9	467.1	536.6	616.8	702.8	794.1	918.3	1068.3	1238.9
-82.5°	333.1	354.8	376.2	397.2	436.3	479.2	528.2	593.4	688.9	791.6	898.1
-85°	308.7	326.2	345.8	365.2	396.7	430.2	465.0	501.0	558.8	619.9	683.5
-87.5°	295.3	310.7	326.3	342.0	365.5	389.6	414.3	439.4	478.0	517.6	558.0
-90°	89.8	86.6	83.3	80.0	76.5	72.9	69.4	65.8	62.1	58.3	54.6



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	490.1	523.5	556.9	590.2	623.6	664.1	704.5	745.0	785.4	814.6	843.8
87.5°	51.6	47.9	44.2	40.5	36.7	33.0	29.2	25.4	21.6	18.3	15.1
85°	51.3	47.5	43.6	39.8	36.0	32.4	28.8	25.2	21.7	18.4	15.1
82.5°	51.2	47.4	43.6	39.8	36.0	32.3	28.5	24.8	21.0	17.6	14.3
80°	51.4	47.6	43.8	40.0	36.2	32.4	28.6	24.8	21.0	17.6	14.3
77.5°	51.8	48.0	44.2	40.3	36.5	32.7	28.9	25.0	21.2	17.8	14.4
75°	52.2	48.4	44.6	40.7	36.9	33.0	29.2	25.3	21.5	18.0	14.6
72.5°	52.7	48.9	45.0	41.1	37.0	33.1	29.2	25.4	21.7	18.2	14.7
70°	53.3	49.4	45.3	41.2	37.0	33.1	29.2	25.3	21.4	17.8	14.5
67.5°	54.0	50.1	46.0	41.8	37.7	33.5	29.6	25.6	21.6	17.8	14.3
65°	54.8	51.0	46.8	42.6	38.4	34.1	30.1	26.1	22.0	18.1	14.5
62.5°	55.7	51.8	47.7	43.5	39.2	34.9	30.8	26.7	22.5	18.5	14.8
60°	56.7	52.8	48.7	44.4	40.1	35.7	31.5	27.3	23.1	19.0	15.2
57.5°	57.9	53.9	49.8	45.5	41.1	36.7	32.3	28.0	23.7	19.4	15.6
55°	59.1	55.1	51.1	46.5	42.0	37.6	33.2	28.9	24.5	20.0	16.0
52.5°	60.4	56.2	51.8	47.3	43.0	38.7	34.3	29.8	25.3	20.7	16.5
50°	61.8	57.4	53.1	48.7	44.5	40.1	35.5	30.9	26.2	21.5	17.1
47.5°	63.5	59.2	55.0	50.9	46.4	41.6	36.8	32.0	27.3	22.4	17.8
45°	65.4	61.2	57.1	52.4	47.5	42.9	38.2	33.3	28.4	23.4	18.5
42.5°	67.4	63.2	58.7	54.1	49.3	44.6	39.8	34.8	29.8	24.6	19.3
40°	69.7	65.4	60.9	56.3	51.5	46.6	41.6	36.5	31.2	25.8	20.3
37.5°	72.2	67.9	63.7	59.2	54.1	48.7	43.8	38.5	32.9	27.3	21.5
35°	74.9	71.4	67.2	62.5	57.4	52.0	46.7	41.1	34.9	29.4	23.5
32.5°	79.0	75.6	71.0	66.5	61.4	55.7	50.2	44.7	38.9	33.2	27.2
30°	83.8	79.3	74.9	70.5	64.7	59.6	54.9	49.8	44.5	38.5	30.8
27.5°	87.2	83.1	78.7	73.2	68.9	64.7	60.1	55.1	47.8	40.5	31.9
25°	90.9	87.0	81.5	77.2	73.7	69.4	63.8	57.2	48.7	39.9	31.7
22.5°	94.8	90.2	85.4	81.9	78.6	73.1	66.2	57.6	48.9	40.4	32.6
20°	98.7	93.7	91.1	90.9	83.0	76.6	68.1	58.9	50.4	43.0	35.7
17.5°	119.0	99.5	104.0	111.6	101.2	81.3	79.1	67.7	56.4	49.4	40.8
15°	157.8	175.3	177.7	142.8	144.0	131.7	106.6	106.7	89.8	85.8	71.6
12.5°	229.3	334.9	538.6	744.5	257.9	226.9	497.6	351.5	359.1	251.8	280.4
10°	944.1	606.9	1325.1	2472.3	3510.0	3331.6	1747.6	4025.2	3927.7	4571.7	2813.5
7.5°	3279.1	4085.2	4968.0	6030.5	8642.6	11869.4	13607.5	15652.8	19194.3	22196.3	25690.3
5°	5985.0	8277.3	11154.5	14125.1	18374.9	22971.6	28101.4	33558.5	38744.9	45249.7	51066.3
2.5°	9983.7	13449.6	18103.8	22593.3	28685.7	34712.6	42297.9	50564.5	57599.5	65363.6	70528.8
0°	15576.9	20488.9	27402.6	34348.2	42939.9	50984.2	60963.4	71187.2	80840.0	92786.9	100985.5
-2.5°	19711.4	25810.8	33154.5	41742.5	50943.0	60140.1	70740.2	82322.8	93140.8	105206.9	116150.6
-5°	23520.6	30239.2	37848.5	46469.0	55511.8	64571.4	74804.6	86366.3	98274.2	108597.6	118090.7
-7.5°	26870.1	33967.7	41830.4	50430.7	59614.1	69626.4	80797.3	92820.9	103463.5	114016.3	122993.9
-10°	29634.0	37085.4	45263.6	54368.5	64433.0	75056.7	86797.2	99241.2	110607.7	121738.8	131296.1
-12.5°	31826.5	39514.5	47980.6	57354.1	68025.3	79809.5	92400.7	105164.2	117340.3	129728.2	139044.7
-15°	33492.6	41291.1	49896.1	59905.6	71469.8	83815.7	96553.6	110193.6	123630.8	135703.3	146274.5
-17.5°	34503.5	42530.8	51660.5	61883.4	73579.9	86220.0	99392.3	113017.2	127346.0	140721.3	151412.9
-20°	34903.2	43461.6	52705.0	62867.4	74334.2	86988.7	100410.1	114430.9	129192.4	142348.7	153659.0



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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°	35276.4	43545.2	52664.9	62945.0	74255.9	86522.8	99645.9	114103.9	128538.0	141412.5	153107.4
-25°	35074.2	42947.4	51891.0	61937.6	72910.8	84981.8	98192.5	112111.2	125426.8	138386.5	149304.2
-27.5°	34291.2	42014.0	50526.0	60012.3	70391.8	82068.9	94822.7	108026.8	120483.6	133106.0	142748.7
-30°	32891.2	40466.9	48619.1	57399.5	67210.9	77988.1	89738.8	101656.2	113607.4	124870.4	133781.7
-32.5°	31744.2	38359.0	46056.0	54349.8	63288.9	73110.2	83414.8	94267.6	105224.6	114894.9	123354.7
-35°	30177.9	36326.1	43012.1	50732.0	59044.9	67785.6	76831.9	86430.0	96160.4	104469.0	112350.3
-37.5°	28241.8	33962.5	40081.0	46561.0	54052.9	62073.4	70107.7	78419.1	86565.9	94053.9	101173.4
-40°	26171.8	31215.6	36770.5	42679.0	48996.2	55537.6	62888.0	70239.2	77051.8	83612.3	89936.3
-42.5°	23944.4	28454.3	33190.6	38471.7	44117.8	49993.4	56042.9	62137.3	67987.3	73733.8	78918.3
-45°	21729.2	25712.4	29882.6	34421.2	39048.4	44242.4	49611.1	54865.2	59790.2	64651.8	68835.7
-47.5°	19655.2	23062.0	26811.6	30706.0	34809.0	39132.7	43418.7	47607.1	52021.7	56217.1	59434.2
-50°	17618.8	20637.7	23904.9	27200.0	30673.6	34405.3	38284.2	41765.3	45188.6	48607.0	51041.3
-52.5°	15579.4	18209.4	21055.5	23947.0	26867.4	29825.3	32771.9	35785.3	38761.4	41612.3	43465.3
-55°	13823.4	15924.0	18143.9	20689.4	23291.3	25855.8	28363.4	30849.4	33244.1	35534.4	36818.4
-57.5°	12132.1	13861.7	15690.8	17733.6	19885.7	22125.6	24255.6	26293.8	28334.0	30259.5	31203.3
-60°	10530.0	11986.3	13544.1	15123.9	16749.0	18411.6	20277.9	22054.3	23736.3	25177.5	26025.3
-62.5°	9006.5	10247.0	11522.4	12813.3	14126.7	15498.8	16912.6	18333.0	19745.2	20929.4	21672.7
-65°	7578.2	8613.9	9623.7	10665.0	11734.9	12865.4	13972.3	15074.4	16161.3	17011.9	17560.0
-67.5°	6181.8	7025.2	7851.2	8666.3	9524.5	10426.3	11332.7	12216.0	13071.3	13701.2	14135.9
-70°	4918.9	5558.5	6226.0	6925.5	7644.0	8343.3	9035.6	9725.8	10407.9	10895.6	11251.8
-72.5°	3794.0	4279.8	4785.4	5337.7	5899.6	6468.4	7025.7	7564.9	8084.0	8450.7	8749.1
-75°	2790.9	3158.5	3565.9	3976.1	4387.0	4816.0	5252.0	5684.2	6109.7	6376.5	6584.6
-77.5°	1992.6	2277.9	2568.8	2862.1	3156.3	3464.2	3774.3	4081.3	4383.4	4595.2	4784.5
-80°	1416.0	1607.1	1803.3	2002.0	2202.2	2412.5	2625.3	2838.0	3049.2	3182.5	3302.0
-82.5°	1008.0	1131.5	1258.4	1387.3	1517.5	1652.8	1787.5	1921.0	2052.9	2137.9	2218.0
-85°	749.1	827.9	908.8	990.9	1074.1	1169.4	1266.2	1363.7	1461.6	1518.9	1573.9
-87.5°	599.1	652.6	707.0	762.1	817.6	876.8	936.2	995.6	1055.0	1096.3	1137.3
-90°	50.8	47.3	43.8	40.2	36.7	32.9	29.2	25.4	21.6	18.3	15.1



REPORT NUMBER: P1212102 (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°	872.9	902.1	908.2	914.3	908.2	902.1	872.9	843.8	814.6	785.4	745.0
87.5°	11.8	8.5	6.2	3.8	6.2	8.5	11.8	15.1	18.3	21.6	25.4
85°	11.8	8.5	6.2	3.8	6.2	8.5	11.8	15.1	18.4	21.7	25.2
82.5°	10.9	7.6	5.7	3.8	5.7	7.6	10.9	14.3	17.6	21.0	24.8
80°	11.0	7.6	5.7	3.8	5.7	7.6	11.0	14.3	17.6	21.0	24.8
77.5°	11.0	7.7	5.7	3.8	5.7	7.7	11.0	14.4	17.8	21.2	25.0
75°	11.1	7.7	5.2	2.8	5.2	7.7	11.1	14.6	18.0	21.5	25.3
72.5°	11.3	7.8	5.3	2.8	5.3	7.8	11.3	14.7	18.2	21.7	25.4
70°	11.2	7.9	5.3	2.8	5.3	7.9	11.2	14.5	17.8	21.4	25.3
67.5°	10.8	7.2	4.5	1.9	4.5	7.2	10.8	14.3	17.8	21.6	25.6
65°	10.9	7.3	4.0	0.9	4.0	7.3	10.9	14.5	18.1	22.0	26.1
62.5°	11.1	7.4	4.1	0.9	4.1	7.4	11.1	14.8	18.5	22.5	26.7
60°	11.4	7.6	4.2	0.9	4.2	7.6	11.4	15.2	19.0	23.1	27.3
57.5°	11.7	7.8	3.9	0.0	3.9	7.8	11.7	15.6	19.4	23.7	28.0
55°	12.1	8.0	4.0	0.0	4.0	8.0	12.1	16.0	20.0	24.5	28.9
52.5°	12.4	8.3	4.2	0.0	4.2	8.3	12.4	16.5	20.7	25.3	29.8
50°	12.9	8.6	4.3	0.0	4.3	8.6	12.9	17.1	21.5	26.2	30.9
47.5°	13.4	8.9	4.5	0.0	4.5	8.9	13.4	17.8	22.4	27.3	32.0
45°	13.9	9.3	4.7	0.0	4.7	9.3	13.9	18.5	23.4	28.4	33.3
42.5°	14.6	9.7	4.9	0.0	4.9	9.7	14.6	19.3	24.6	29.8	34.8
40°	15.3	10.2	5.1	0.0	5.1	10.2	15.3	20.3	25.8	31.2	36.5
37.5°	16.1	10.8	5.4	0.0	5.4	10.8	16.1	21.5	27.3	32.9	38.5
35°	17.6	11.7	5.9	0.9	5.9	11.7	17.6	23.5	29.4	34.9	41.1
32.5°	20.7	14.1	7.0	0.9	7.0	14.1	20.7	27.2	33.2	38.9	44.7
30°	23.1	15.4	7.5	0.9	7.5	15.4	23.1	30.8	38.5	44.5	49.8
27.5°	23.7	16.1	9.0	2.8	9.0	16.1	23.7	31.9	40.5	47.8	55.1
25°	23.7	15.8	7.9	2.8	7.9	15.8	23.7	31.7	39.9	48.7	57.2
22.5°	25.0	17.0	8.6	4.7	8.6	17.0	25.0	32.6	40.4	48.9	57.6
20°	27.7	19.7	11.9	7.5	11.9	19.7	27.7	35.7	43.0	50.4	58.9
17.5°	36.4	27.1	18.4	14.1	18.4	27.1	36.4	40.8	49.4	56.4	67.7
15°	67.9	57.2	46.6	43.3	46.6	57.2	67.9	71.6	85.8	89.8	106.7
12.5°	158.8	141.9	131.5	117.1	131.5	141.9	158.8	280.4	251.8	359.1	351.5
10°	4188.2	4240.3	4756.4	3388.2	4756.4	4240.3	4188.2	2813.5	4571.7	3927.7	4025.2
7.5°	28409.4	31828.1	33192.5	32676.7	33192.5	31828.1	28409.4	25690.3	22196.3	19194.3	15652.8
5°	57357.5	63213.8	64900.8	65635.6	64900.8	63213.8	57357.5	51066.3	45249.7	38744.9	33558.5
2.5°	77682.8	82807.7	84577.5	85574.2	84577.5	82807.7	77682.8	70528.8	65363.6	57599.5	50564.5
0°	110308.6	117183.3	119326.9	119770.0	119326.9	117183.3	110308.6	100985.5	92786.9	80840.0	71187.2
-2.5°	126475.3	133938.5	136670.3	136643.1	136670.3	133938.5	126475.3	116150.6	105206.9	93140.8	82322.8
-5°	126756.3	132495.5	134504.7	135341.3	134504.7	132495.5	126756.3	118090.7	108597.6	98274.2	86366.3
-7.5°	131105.2	136039.7	137388.6	137402.2	137388.6	136039.7	131105.2	122993.9	114016.3	103463.5	92820.9
-10°	138711.3	143602.3	144914.7	144935.7	144914.7	143602.3	138711.3	131296.1	121738.8	110607.7	99241.2
-12.5°	146830.4	152190.5	154295.3	154749.3	154295.3	152190.5	146830.4	139044.7	129728.2	117340.3	105164.2
-15°	154577.3	160240.4	163090.3	163842.5	163090.3	160240.4	154577.3	146274.5	135703.3	123630.8	110193.6
-17.5°	160072.6	166859.8	170208.6	171382.6	170208.6	166859.8	160072.6	151412.9	140721.3	127346.0	113017.2
-20°	162663.1	170212.5	173597.4	174786.7	173597.4	170212.5	162663.1	153659.0	142348.7	129192.4	114430.9



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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°	161645.4	168613.6	172656.5	174271.3	172656.5	168613.6	161645.4	153107.4	141412.5	128538.0	114103.9
-25°	158124.6	164401.0	168601.3	169704.5	168601.3	164401.0	158124.6	149304.2	138386.5	125426.8	112111.2
-27.5°	151667.4	157182.6	161273.1	162757.9	161273.1	157182.6	151667.4	142748.7	133106.0	120483.6	108026.8
-30°	142203.6	147321.1	151542.7	151995.2	151542.7	147321.1	142203.6	133781.7	124870.4	113607.4	101656.2
-32.5°	130515.4	135337.2	139273.7	139415.1	139273.7	135337.2	130515.4	123354.7	114894.9	105224.6	94267.6
-35°	118295.2	122144.1	125116.2	126552.0	125116.2	122144.1	118295.2	112350.3	104469.0	96160.4	86430.0
-37.5°	105980.3	109441.9	112023.0	113043.5	112023.0	109441.9	105980.3	101173.4	94053.9	86565.9	78419.1
-40°	93763.6	96749.8	98870.7	99809.7	98870.7	96749.8	93763.6	89936.3	83612.3	77051.8	70239.2
-42.5°	82030.8	84734.8	86558.2	87102.7	86558.2	84734.8	82030.8	78918.3	73733.8	67987.3	62137.3
-45°	71420.7	73612.4	74853.9	74889.5	74853.9	73612.4	71420.7	68835.7	64651.8	59790.2	54865.2
-47.5°	61554.6	63373.3	64483.0	64807.8	64483.0	63373.3	61554.6	59434.2	56217.1	52021.7	47607.1
-50°	52737.8	54171.1	55033.5	55343.1	55033.5	54171.1	52737.8	51041.3	48607.0	45188.6	41765.3
-52.5°	44876.1	46047.1	46702.3	46920.7	46702.3	46047.1	44876.1	43465.3	41612.3	38761.4	35785.3
-55°	37977.4	39021.7	39731.9	40136.9	39731.9	39021.7	37977.4	36818.4	35534.4	33244.1	30849.4
-57.5°	31968.6	32564.4	33171.6	33717.0	33171.6	32564.4	31968.6	31203.3	30259.5	28334.0	26293.8
-60°	26765.7	27396.5	27806.9	28065.7	27806.9	27396.5	26765.7	26025.3	25177.5	23736.3	22054.3
-62.5°	22339.4	22921.3	23259.7	23450.9	23259.7	22921.3	22339.4	21672.7	20929.4	19745.2	18333.0
-65°	18042.1	18455.7	18758.7	18980.1	18758.7	18455.7	18042.1	17560.0	17011.9	16161.3	15074.4
-67.5°	14521.5	14856.2	15061.2	15198.8	15061.2	14856.2	14521.5	14135.9	13701.2	13071.3	12216.0
-70°	11567.7	11843.1	11961.3	12023.2	11961.3	11843.1	11567.7	11251.8	10895.6	10407.9	9725.8
-72.5°	9024.4	9273.7	9336.9	9351.8	9336.9	9273.7	9024.4	8749.1	8450.7	8084.0	7564.9
-75°	6769.5	6931.6	6967.5	6974.8	6967.5	6931.6	6769.5	6584.6	6376.5	6109.7	5684.2
-77.5°	4962.7	5128.5	5138.1	5124.6	5138.1	5128.5	4962.7	4784.5	4595.2	4383.4	4081.3
-80°	3414.1	3518.4	3544.8	3560.3	3544.8	3518.4	3414.1	3302.0	3182.5	3049.2	2838.0
-82.5°	2295.0	2368.8	2381.5	2389.2	2381.5	2368.8	2295.0	2218.0	2137.9	2052.9	1921.0
-85°	1627.6	1679.8	1677.7	1673.4	1677.7	1679.8	1627.6	1573.9	1518.9	1461.6	1363.7
-87.5°	1177.8	1217.8	1225.8	1233.2	1225.8	1217.8	1177.8	1137.3	1096.3	1055.0	995.6
-90°	11.8	8.5	6.1	3.8	6.1	8.5	11.8	15.1	18.3	21.6	25.4



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	704.5	664.1	623.6	590.2	556.9	523.5	490.1	465.2	440.3	415.3	390.4
87.5°	29.2	33.0	36.7	40.5	44.2	47.9	51.6	55.3	59.1	62.8	66.5
85°	28.8	32.4	36.0	39.8	43.6	47.5	51.3	55.2	59.2	63.1	67.0
82.5°	28.5	32.3	36.0	39.8	43.6	47.4	51.2	55.1	59.0	63.0	67.0
80°	28.6	32.4	36.2	40.0	43.8	47.6	51.4	55.2	58.9	62.8	66.6
77.5°	28.9	32.7	36.5	40.3	44.2	48.0	51.8	55.5	59.3	63.1	66.8
75°	29.2	33.0	36.9	40.7	44.6	48.4	52.2	56.0	59.8	63.5	67.3
72.5°	29.2	33.1	37.0	41.1	45.0	48.9	52.7	56.5	60.3	64.1	67.8
70°	29.2	33.1	37.0	41.2	45.3	49.4	53.3	57.2	60.9	64.7	68.5
67.5°	29.6	33.5	37.7	41.8	46.0	50.1	54.0	57.9	61.7	65.4	69.2
65°	30.1	34.1	38.4	42.6	46.8	51.0	54.8	58.7	62.5	66.2	69.8
62.5°	30.8	34.9	39.2	43.5	47.7	51.8	55.7	59.6	63.4	67.1	70.7
60°	31.5	35.7	40.1	44.4	48.7	52.8	56.7	60.6	64.4	68.1	71.6
57.5°	32.3	36.7	41.1	45.5	49.8	53.9	57.9	61.7	65.6	69.2	72.7
55°	33.2	37.6	42.0	46.5	51.1	55.1	59.1	63.0	66.8	70.4	73.9
52.5°	34.3	38.7	43.0	47.3	51.8	56.2	60.4	64.4	68.2	71.9	75.3
50°	35.5	40.1	44.5	48.7	53.1	57.4	61.8	65.9	69.7	73.5	77.1
47.5°	36.8	41.6	46.4	50.9	55.0	59.2	63.5	67.5	71.4	75.1	78.8
45°	38.2	42.9	47.5	52.4	57.1	61.2	65.4	69.3	73.2	76.9	80.5
42.5°	39.8	44.6	49.3	54.1	58.7	63.2	67.4	71.4	75.1	78.8	82.2
40°	41.6	46.6	51.5	56.3	60.9	65.4	69.7	73.9	77.4	80.8	84.1
37.5°	43.8	48.7	54.1	59.2	63.7	67.9	72.2	76.3	80.2	83.2	86.1
35°	46.7	52.0	57.4	62.5	67.2	71.4	74.9	79.0	82.7	85.8	88.3
32.5°	50.2	55.7	61.4	66.5	71.0	75.6	79.0	81.8	85.4	88.5	91.0
30°	54.9	59.6	64.7	70.5	74.9	79.3	83.8	86.0	88.7	91.4	93.8
27.5°	60.1	64.7	68.9	73.2	78.7	83.1	87.2	90.7	92.6	94.8	96.8
25°	63.8	69.4	73.7	77.2	81.5	87.0	90.9	94.5	97.0	98.8	100.4
22.5°	66.2	73.1	78.6	81.9	85.4	90.2	94.8	98.2	101.9	103.6	104.5
20°	68.1	76.6	83.0	90.9	91.1	93.7	98.7	106.7	111.0	109.7	108.8
17.5°	79.1	81.3	101.2	111.6	104.0	99.5	119.0	128.2	125.2	117.1	113.4
15°	106.6	131.7	144.0	142.8	177.7	175.3	157.8	157.1	144.6	128.2	148.9
12.5°	497.6	226.9	257.9	744.5	538.6	334.9	229.3	193.0	266.6	336.2	317.3
10°	1747.6	3331.6	3510.0	2472.3	1325.1	606.9	944.1	993.4	866.1	693.4	523.5
7.5°	13607.5	11869.4	8642.6	6030.5	4968.0	4085.2	3279.1	2267.1	1575.4	1104.5	756.6
5°	28101.4	22971.6	18374.9	14125.1	11154.5	8277.3	5985.0	3704.7	2353.0	1547.2	1016.8
2.5°	42297.9	34712.6	28685.7	22593.3	18103.8	13449.6	9983.7	6749.7	4975.2	3807.3	2870.2
0°	60963.4	50984.2	42939.9	34348.2	27402.6	20488.9	15576.9	11079.7	8440.3	6425.5	4737.0
-2.5°	70740.2	60140.1	50943.0	41742.5	33154.5	25810.8	19711.4	14699.6	11245.3	8437.0	6289.1
-5°	74804.6	64571.4	55511.8	46469.0	37848.5	30239.2	23520.6	17991.7	13822.2	10345.0	7751.7
-7.5°	80797.3	69626.4	59614.1	50430.7	41830.4	33967.7	26870.1	20843.0	16102.2	12248.0	9308.9
-10°	86797.2	75056.7	64433.0	54368.5	45263.6	37085.4	29634.0	23222.0	18055.8	13905.6	10700.6
-12.5°	92400.7	79809.5	68025.3	57354.1	47980.6	39514.5	31826.5	25087.1	19631.7	15273.6	11893.0
-15°	96553.6	83815.7	71469.8	59905.6	49896.1	41291.1	33492.6	26434.5	20814.6	16288.8	12858.5
-17.5°	99392.3	86220.0	73579.9	61883.4	51660.5	42530.8	34503.5	27429.2	21646.5	16962.7	13437.8
-20°	100410.1	86988.7	74334.2	62867.4	52705.0	43461.6	34903.2	27788.2	22003.3	17399.5	13755.0



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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°	99645.9	86522.8	74255.9	62945.0	52664.9	43545.2	35276.4	28000.3	21798.8	17442.9	13805.0
-25°	98192.5	84981.8	72910.8	61937.6	51891.0	42947.4	35074.2	27981.5	22028.3	17205.1	13616.3
-27.5°	94822.7	82068.9	70391.8	60012.3	50526.0	42014.0	34291.2	27439.5	21949.2	17221.3	13391.3
-30°	89738.8	77988.1	67210.9	57399.5	48619.1	40466.9	32891.2	26855.0	21562.3	16973.1	13281.3
-32.5°	83414.8	73110.2	63288.9	54349.8	46056.0	38359.0	31744.2	25826.2	20749.7	16566.1	13120.4
-35°	76831.9	67785.6	59044.9	50732.0	43012.1	36326.1	30177.9	24591.0	19804.7	15885.8	12755.6
-37.5°	70107.7	62073.4	54052.9	46561.0	40081.0	33962.5	28241.8	23177.0	18656.3	15187.0	12256.6
-40°	62888.0	55537.6	48996.2	42679.0	36770.5	31215.6	26171.8	21525.1	17674.1	14316.3	11597.3
-42.5°	56042.9	49993.4	44117.8	38471.7	33190.6	28454.3	23944.4	19960.5	16458.3	13433.2	10934.2
-45°	49611.1	44242.4	39048.4	34421.2	29882.6	25712.4	21729.2	18254.2	15149.0	12515.6	10164.3
-47.5°	43418.7	39132.7	34809.0	30706.0	26811.6	23062.0	19655.2	16487.0	13886.9	11496.3	9445.8
-50°	38284.2	34405.3	30673.6	27200.0	23904.9	20637.7	17618.8	14890.6	12585.2	10538.0	8660.0
-52.5°	32771.9	29825.3	26867.4	23947.0	21055.5	18209.4	15579.4	13387.4	11364.5	9543.9	7885.2
-55°	28363.4	25855.8	23291.3	20689.4	18143.9	15924.0	13823.4	11907.1	10151.7	8510.6	7111.6
-57.5°	24255.6	22125.6	19885.7	17733.6	15690.8	13861.7	12132.1	10456.3	8959.2	7600.5	6322.9
-60°	20277.9	18411.6	16749.0	15123.9	13544.1	11986.3	10530.0	9147.1	7846.0	6678.3	5583.0
-62.5°	16912.6	15498.8	14126.7	12813.3	11522.4	10247.0	9006.5	7864.3	6775.9	5748.1	4828.4
-65°	13972.3	12865.4	11734.9	10665.0	9623.7	8613.9	7578.2	6606.6	5698.4	4843.8	4059.4
-67.5°	11332.7	10426.3	9524.5	8666.3	7851.2	7025.2	6181.8	5369.4	4650.4	3986.4	3362.6
-70°	9035.6	8343.3	7644.0	6925.5	6226.0	5558.5	4918.9	4303.9	3713.2	3173.1	2679.9
-72.5°	7025.7	6468.4	5899.6	5337.7	4785.4	4279.8	3794.0	3319.1	2856.4	2408.1	2023.7
-75°	5252.0	4816.0	4387.0	3976.1	3565.9	3158.5	2790.9	2447.7	2113.6	1790.3	1498.6
-77.5°	3774.3	3464.2	3156.3	2862.1	2568.8	2277.9	1992.6	1731.8	1507.0	1292.0	1099.4
-80°	2625.3	2412.5	2202.2	2002.0	1803.3	1607.1	1416.0	1238.9	1068.3	918.3	794.1
-82.5°	1787.5	1652.8	1517.5	1387.3	1258.4	1131.5	1008.0	898.1	791.6	688.9	593.4
-85°	1266.2	1169.4	1074.1	990.9	908.8	827.9	749.1	683.5	619.9	558.8	501.0
-87.5°	936.2	876.8	817.6	762.1	707.0	652.6	599.1	558.0	517.6	478.0	439.4
-90°	29.2	32.9	36.7	40.2	43.8	47.3	50.8	54.6	58.3	62.1	65.8



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	373.2	356.1	338.9	321.7	308.3	294.9	281.5	268.1	251.6	235.1	218.7
87.5°	70.0	73.5	77.1	80.5	83.7	86.8	90.0	93.1	95.5	97.8	100.2
85°	70.5	74.0	77.5	81.0	84.1	87.1	90.1	93.2	95.5	97.9	100.2
82.5°	70.7	74.2	77.7	81.2	84.2	87.3	90.3	93.3	95.7	98.0	100.3
80°	70.4	74.2	77.9	81.4	84.4	87.5	90.5	93.4	95.9	98.3	100.5
77.5°	70.6	74.4	78.1	81.7	84.7	87.7	90.7	93.6	96.2	98.6	100.9
75°	71.1	74.8	78.6	82.0	85.0	88.0	91.0	93.9	96.4	99.0	101.3
72.5°	71.6	75.4	79.1	82.4	85.4	88.4	91.4	94.2	96.7	99.2	101.7
70°	72.2	76.0	79.7	82.9	85.9	88.9	91.8	94.5	97.0	99.5	101.9
67.5°	73.0	76.7	80.4	83.5	86.4	89.3	92.3	94.9	97.3	99.8	102.2
65°	73.5	77.3	81.1	84.1	87.0	89.9	92.8	95.3	97.7	100.1	102.5
62.5°	74.2	77.7	81.4	84.7	87.6	90.5	93.3	95.8	98.2	100.5	102.9
60°	75.1	78.6	81.8	85.1	88.3	91.2	94.0	96.5	98.8	100.9	103.2
57.5°	76.2	79.6	82.9	85.9	88.9	91.9	94.7	97.2	99.5	101.5	103.6
55°	77.3	80.7	84.0	87.1	89.9	92.7	95.4	98.0	100.2	102.2	103.9
52.5°	78.6	81.9	85.2	88.4	91.2	93.7	96.2	98.9	101.1	103.0	104.4
50°	80.2	83.2	86.4	89.6	92.7	94.9	97.1	99.7	102.0	103.8	105.0
47.5°	82.1	84.9	87.8	90.9	93.9	96.2	98.2	100.5	103.0	104.7	105.6
45°	83.8	86.8	89.4	92.2	95.0	97.3	99.3	101.4	103.8	105.5	106.1
42.5°	85.5	88.6	91.3	93.7	96.2	98.5	100.4	102.4	104.6	106.2	106.8
40°	87.2	90.3	93.2	95.5	97.6	99.8	101.6	103.4	105.5	107.0	107.5
37.5°	89.1	92.1	94.9	97.4	99.2	101.2	102.9	104.4	106.4	107.7	108.2
35°	91.2	94.0	96.5	99.1	101.0	102.6	104.2	105.5	107.4	108.6	109.0
32.5°	93.3	96.0	98.3	100.5	102.8	104.3	105.7	107.2	108.5	109.5	109.7
30°	95.8	98.1	100.2	102.0	104.6	106.0	107.5	109.1	109.8	110.5	110.5
27.5°	98.7	100.4	102.3	103.8	106.0	107.9	110.1	111.2	111.2	111.6	111.4
25°	101.9	103.1	104.5	105.8	107.5	111.5	112.9	113.6	112.9	112.8	112.3
22.5°	105.4	106.1	106.9	108.0	112.2	115.6	116.0	116.0	114.9	114.1	113.2
20°	109.2	109.2	112.2	118.9	118.8	119.9	119.5	118.6	117.0	115.4	114.2
17.5°	113.2	127.1	133.6	132.8	127.6	124.7	123.2	121.3	119.1	116.8	115.2
15°	175.0	171.5	160.4	149.2	137.8	130.0	127.2	124.1	121.4	118.2	117.5
12.5°	271.3	225.8	191.4	167.6	149.1	135.6	131.3	127.0	123.6	121.8	121.5
10°	385.7	287.8	225.8	187.6	161.2	141.4	135.5	135.2	132.6	127.3	125.6
7.5°	512.6	354.9	262.2	208.5	196.8	185.0	171.5	155.6	143.0	132.9	129.7
5°	858.8	719.1	598.6	476.1	362.0	272.3	214.4	177.0	153.7	138.5	133.8
2.5°	2130.4	1557.4	1136.2	791.8	533.1	362.6	258.4	198.7	164.5	144.1	138.0
0°	3410.7	2400.5	1676.2	1108.1	703.6	452.4	301.9	220.1	175.0	149.6	142.0
-2.5°	4676.6	3363.5	2396.0	1657.1	1104.6	731.5	480.2	326.6	233.0	180.1	158.2
-5°	5869.4	4275.9	3081.8	2181.5	1489.3	999.6	652.0	429.4	289.0	209.8	174.1
-7.5°	7086.4	5201.5	3763.5	2680.8	1848.8	1250.0	812.8	525.7	341.8	238.1	189.5
-10°	8197.2	6083.3	4450.1	3208.4	2245.0	1521.8	970.0	612.7	390.0	264.4	204.0
-12.5°	9143.4	6842.1	5051.6	3676.6	2614.8	1807.5	1186.4	743.9	440.4	288.2	217.6
-15°	9900.7	7458.1	5554.0	4075.4	2938.6	2058.1	1379.3	886.0	541.2	329.7	230.0
-17.5°	10417.3	7914.1	5944.8	4395.9	3210.3	2268.7	1545.4	1008.8	629.9	392.2	258.2
-20°	10697.3	8213.3	6225.9	4630.6	3424.7	2434.9	1681.4	1109.7	704.9	447.2	296.6



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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°	10818.3	8397.5	6428.4	4835.0	3587.9	2552.7	1784.5	1186.5	764.7	493.5	330.7
-25°	10756.6	8452.5	6516.8	4959.0	3702.4	2660.5	1862.3	1237.3	807.9	530.4	360.0
-27.5°	10655.2	8400.4	6493.0	5002.8	3747.5	2723.1	1914.7	1285.7	840.5	557.1	384.0
-30°	10452.6	8281.5	6452.9	4976.8	3732.0	2748.5	1930.5	1310.9	871.1	581.6	402.5
-32.5°	10303.9	8028.2	6339.6	4909.6	3706.8	2735.5	1926.7	1311.0	886.6	602.5	420.2
-35°	10094.8	7844.8	6134.6	4769.0	3652.3	2716.5	1919.4	1285.2	886.6	615.0	435.0
-37.5°	9708.0	7660.8	5910.2	4603.3	3548.0	2662.8	1907.5	1293.1	870.7	618.8	445.5
-40°	9335.4	7374.8	5705.8	4435.4	3438.1	2574.9	1866.4	1296.2	859.8	613.8	451.4
-42.5°	8813.6	7015.7	5493.8	4230.1	3302.4	2495.3	1802.3	1278.4	869.8	611.0	452.8
-45°	8261.3	6595.4	5222.8	4074.8	3135.7	2382.6	1756.9	1244.9	867.4	607.1	451.5
-47.5°	7625.4	6173.7	4912.3	3845.2	2970.9	2253.4	1686.6	1219.9	849.6	597.7	448.6
-50°	7027.0	5696.5	4554.0	3598.2	2777.2	2140.8	1601.5	1175.2	838.7	593.0	441.9
-52.5°	6423.7	5183.3	4179.7	3315.3	2599.7	2000.4	1520.2	1114.2	813.2	583.4	431.5
-55°	5792.1	4677.6	3790.3	3038.3	2396.0	1863.2	1416.3	1058.6	773.6	567.3	418.1
-57.5°	5203.8	4180.2	3414.3	2748.5	2180.1	1703.7	1310.1	986.1	733.3	542.8	406.5
-60°	4587.3	3734.1	3024.5	2446.8	1945.5	1532.9	1195.1	905.5	685.8	512.4	392.7
-62.5°	3990.3	3248.8	2631.6	2123.8	1706.1	1358.5	1068.0	828.1	628.6	483.5	374.7
-65°	3387.6	2767.8	2213.7	1817.4	1466.7	1174.8	950.4	739.3	575.7	448.8	354.1
-67.5°	2782.6	2290.5	1850.4	1503.8	1233.4	1007.1	817.2	657.0	519.2	408.9	333.9
-70°	2229.7	1822.3	1488.4	1227.6	1010.9	832.1	701.9	573.8	456.7	377.6	311.7
-72.5°	1713.3	1425.2	1161.0	948.9	814.6	693.4	586.0	490.6	411.9	344.1	287.4
-75°	1252.1	1064.6	894.6	751.0	644.2	552.1	492.5	430.6	364.7	308.3	272.2
-77.5°	946.5	801.2	664.2	573.2	519.7	467.9	417.8	367.6	323.5	291.0	260.0
-80°	702.8	616.8	536.6	467.1	423.9	383.0	359.4	334.5	304.2	275.1	247.2
-82.5°	528.2	479.2	436.3	397.2	376.2	354.8	333.1	310.7	284.3	258.7	236.7
-85°	465.0	430.2	396.7	365.2	345.8	326.2	308.7	291.3	270.8	250.7	230.9
-87.5°	414.3	389.6	365.5	342.0	326.3	310.7	295.3	279.9	261.4	243.1	224.9
-90°	69.4	72.9	76.5	80.0	83.3	86.6	89.8	93.1	95.5	97.8	100.2



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	202.2	183.1	164.1	145.0	126.0	118.0	110.1
87.5°	102.5	104.0	105.4	106.9	108.3	109.2	110.1
85°	102.5	104.1	105.5	107.0	108.4	109.2	110.1
82.5°	102.6	104.1	105.6	107.1	108.4	109.2	110.1
80°	102.7	104.2	105.8	107.2	108.5	109.2	110.1
77.5°	103.0	104.4	105.9	107.3	108.6	109.3	110.1
75°	103.3	104.6	106.0	107.5	108.7	109.3	110.1
72.5°	103.7	104.9	106.2	107.6	108.8	109.3	110.1
70°	104.0	105.1	106.4	107.8	108.9	109.4	110.1
67.5°	104.1	105.4	106.5	107.9	109.0	109.4	110.1
65°	104.3	105.6	106.7	108.0	109.1	109.4	110.1
62.5°	104.5	105.8	106.9	108.1	109.2	109.4	110.1
60°	104.8	106.0	107.0	108.2	109.2	109.5	110.1
57.5°	105.0	106.3	107.3	108.3	109.3	109.5	110.1
55°	105.3	106.5	107.5	108.4	109.4	109.5	110.1
52.5°	105.6	106.8	107.7	108.5	109.4	109.6	110.1
50°	106.0	107.1	108.0	108.7	109.5	109.6	110.1
47.5°	106.4	107.5	108.3	108.8	109.6	109.6	110.1
45°	106.9	107.8	108.6	109.0	109.7	109.7	110.1
42.5°	107.4	108.2	108.9	109.3	109.9	109.7	110.1
40°	107.9	108.6	109.2	109.5	110.0	109.7	110.1
37.5°	108.5	109.0	109.5	109.9	110.1	109.7	110.1
35°	109.0	109.4	109.8	110.2	110.3	109.8	110.1
32.5°	109.6	109.8	110.1	110.6	110.4	109.8	110.1
30°	110.2	110.3	110.5	111.0	110.6	109.8	110.1
27.5°	110.9	110.8	111.2	111.5	110.8	109.8	110.1
25°	111.6	111.2	112.1	111.9	111.0	109.9	110.1
22.5°	112.2	112.0	113.0	112.4	111.2	109.9	110.1
20°	112.9	113.7	113.9	112.8	111.4	109.9	110.1
17.5°	114.8	115.4	114.9	113.3	111.6	109.9	110.1
15°	117.5	117.2	116.0	113.8	111.8	110.0	110.1
12.5°	120.3	119.1	117.0	114.3	112.0	110.0	110.1
10°	123.1	121.1	118.1	114.8	112.2	110.0	110.1
7.5°	126.0	123.1	119.2	115.2	112.4	110.0	110.1
5°	128.9	125.0	120.2	115.7	112.5	110.1	110.1
2.5°	131.7	127.0	121.3	116.2	112.7	110.1	110.1
0°	134.5	128.9	122.3	116.6	112.9	110.1	110.1
-2.5°	144.4	134.9	125.7	118.6	114.0	110.6	110.1
-5°	154.1	140.8	129.0	120.5	115.1	111.1	110.1
-7.5°	163.6	146.4	132.2	122.4	116.2	111.6	110.1
-10°	172.6	151.9	135.3	124.3	117.2	112.0	110.1
-12.5°	181.1	157.0	138.2	126.1	118.2	112.5	110.1
-15°	189.0	161.7	141.0	127.8	119.2	113.0	110.1
-17.5°	196.2	166.1	143.7	129.4	120.2	113.4	110.1
-20°	209.7	169.9	146.1	131.0	121.1	113.9	110.1



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	233.3	173.2	148.3	132.5	122.0	114.3	110.1
-25°	254.6	184.0	150.3	133.9	122.9	114.7	110.1
-27.5°	273.4	196.9	152.0	135.2	123.7	115.1	110.1
-30°	289.4	208.2	154.1	136.3	124.5	115.5	110.1
-32.5°	302.6	218.0	161.2	137.4	125.2	115.9	110.1
-35°	313.9	226.0	167.4	138.4	125.9	116.2	110.1
-37.5°	323.0	232.8	172.8	139.2	126.5	116.5	110.1
-40°	329.4	239.1	177.1	139.9	127.1	116.8	110.1
-42.5°	333.1	243.7	180.9	141.2	127.6	117.1	110.1
-45°	334.0	246.8	184.1	143.6	128.0	117.4	110.1
-47.5°	332.1	248.3	186.4	145.4	128.4	117.6	110.1
-50°	330.6	248.2	187.8	147.2	128.8	117.8	110.1
-52.5°	327.3	246.5	188.3	148.8	129.1	118.0	110.1
-55°	321.7	244.5	187.9	150.0	129.3	118.2	110.1
-57.5°	313.9	241.3	186.6	150.9	129.5	118.3	110.1
-60°	304.3	236.7	184.5	151.5	129.6	118.4	110.1
-62.5°	294.7	230.9	184.0	151.8	129.6	118.5	110.1
-65°	283.3	223.8	183.0	151.9	129.6	118.6	110.1
-67.5°	270.2	218.1	181.6	151.6	129.5	118.6	110.1
-70°	255.7	214.2	179.6	151.1	129.3	118.6	110.1
-72.5°	247.2	209.6	177.3	150.7	129.0	118.6	110.1
-75°	238.9	204.5	174.6	150.4	128.8	118.6	110.1
-77.5°	229.9	198.8	173.0	149.8	128.4	118.6	110.1
-80°	220.4	195.1	171.6	149.1	128.0	118.5	110.1
-82.5°	215.7	192.5	170.0	148.3	127.6	118.4	110.1
-85°	211.5	189.6	168.2	147.3	127.1	118.3	110.1
-87.5°	207.0	186.5	166.2	146.3	126.6	118.2	110.1
-90°	102.5	103.9	105.4	106.8	108.2	109.2	110.1

(END OF REPORT)