

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: P1212225 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-57-90-5S-ECV**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212225 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-30)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: EPHESUS
Catalog Number: EPH-LS12-1000R-57-90-5S-ECV
Description: EPHESUS LS12 LUMINAIRE
(12) 5700K, 90 CRI LEDS AND 5S BEAM SHAPE WITH EXTREME CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

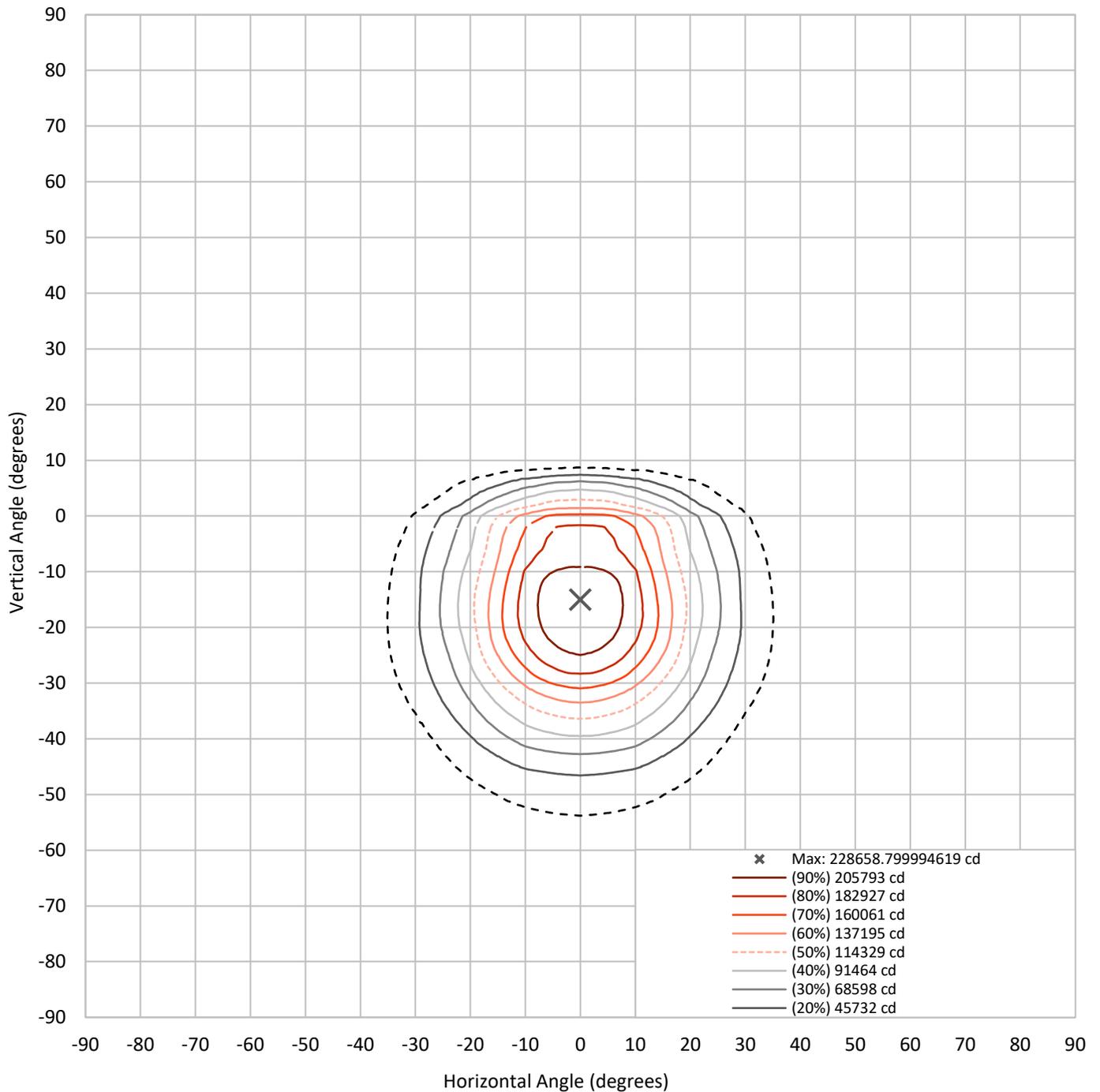
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	111842.3 lumens	Max Intensity:	228658.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -15°V
Efficacy:	107.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	38.6°H x 39°V	Field Angle (10%):	69.7°H x 62.5°V
Beam Lumens:	63894.9 lumens	Field Lumens:	101923.4 lumens
Beam Efficiency:	57.1%	Field Efficiency:	91.1%

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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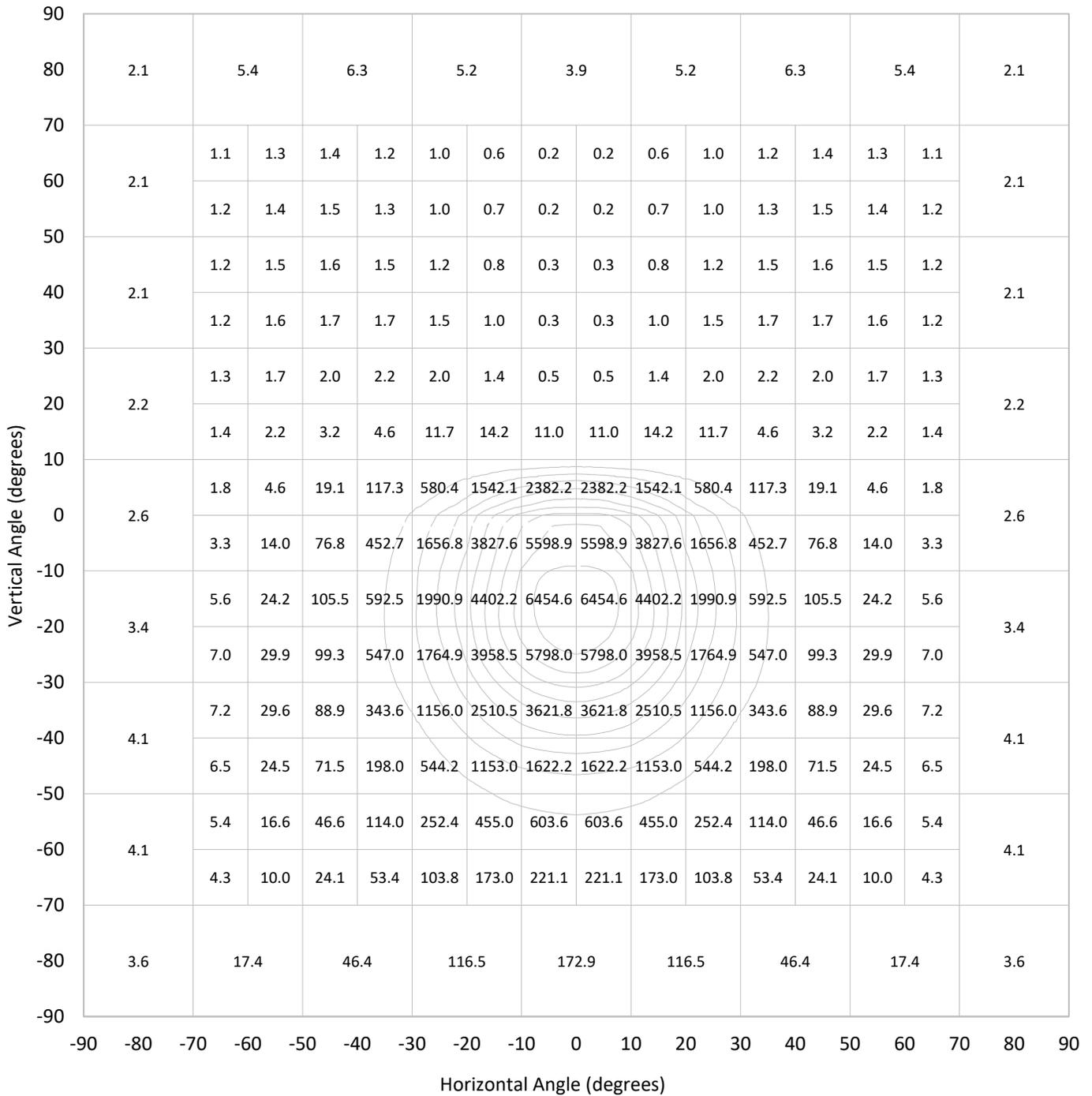
CATALOG NUMBER: EPH-LS12-1000R-57-90-5S-ECV

Iso-Candela Plot



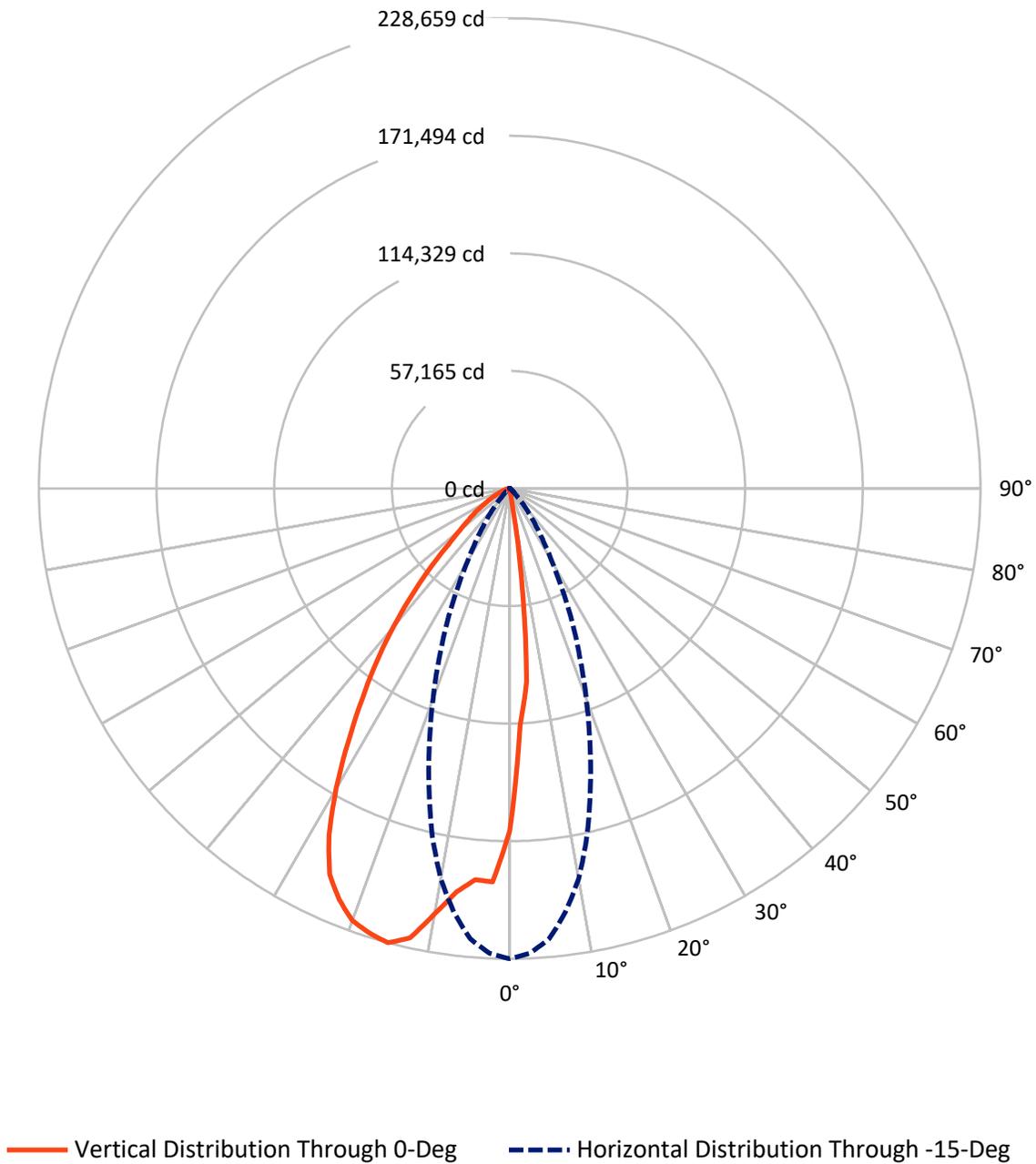
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Lumen Table



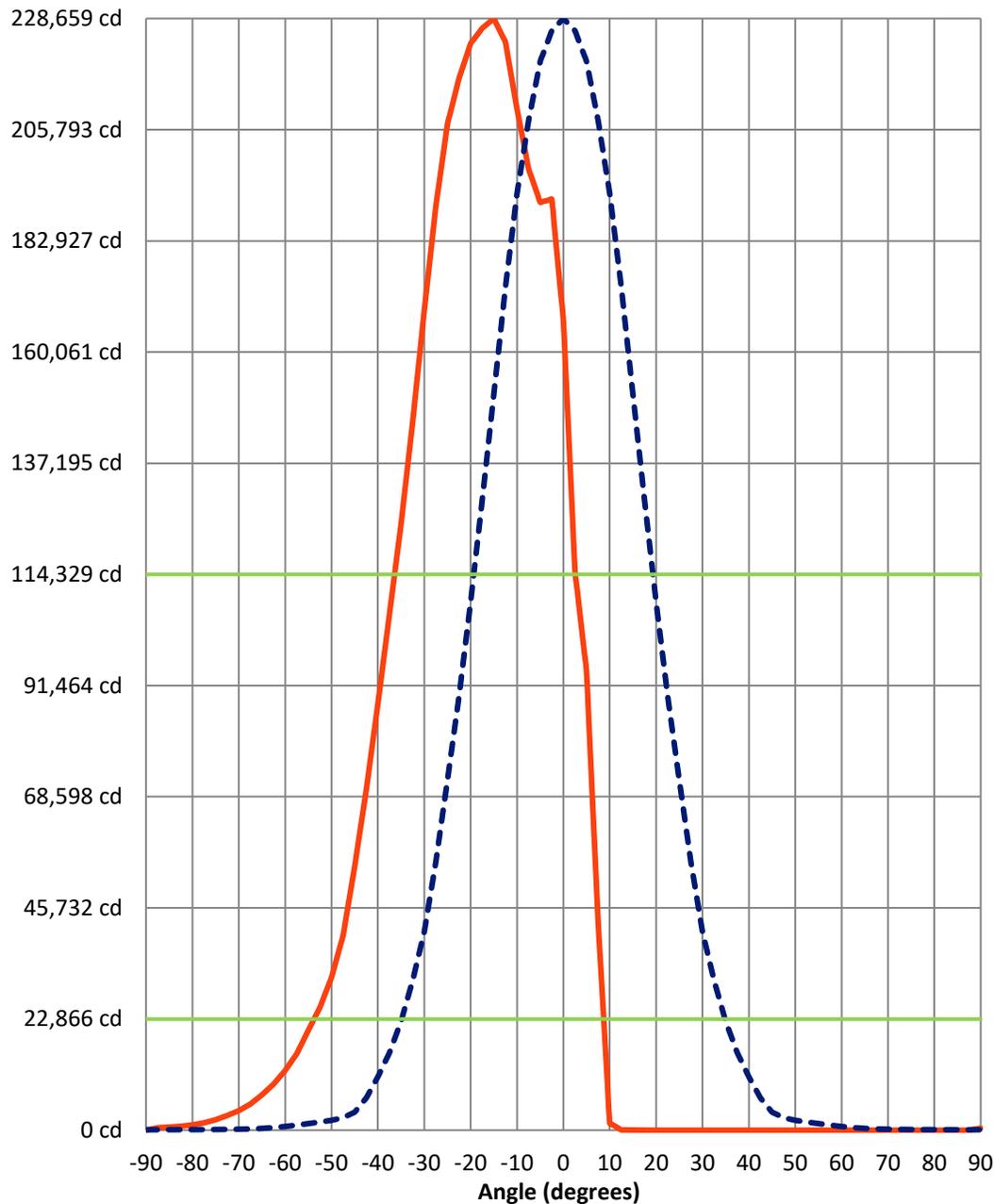
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 38.6°
 V Angle: 39°
 Lumens: 63894.9
 Efficiency: 57.1%

Field:
 H Angle: 69.7°
 V Angle: 62.5°
 Lumens: 101923.4
 Efficiency: 91.1%

Spill:
 Lumens: 9918.9
 Efficiency: 8.9%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through -15-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°	105.1	111.3	117.6	132.0	146.3	160.7	175.1	188.6	202.2	215.7	229.3
87.5°	105.1	104.2	103.3	101.5	99.6	97.7	95.9	93.4	90.9	88.4	85.9
85°	105.1	104.2	103.3	101.4	99.5	97.7	95.9	93.5	91.0	88.5	86.0
82.5°	105.1	104.2	103.2	101.3	99.5	97.7	96.0	93.5	91.1	88.6	86.1
80°	105.1	104.2	103.2	101.3	99.5	97.7	96.0	93.6	91.2	88.7	86.2
77.5°	105.1	104.2	103.1	101.3	99.5	97.8	96.1	93.8	91.3	88.9	86.4
75°	105.1	104.2	103.1	101.2	99.5	97.9	96.2	94.0	91.5	89.1	86.7
72.5°	105.1	104.2	103.0	101.2	99.6	98.1	96.4	94.2	91.8	89.3	86.9
70°	105.1	104.2	103.0	101.2	99.8	98.2	96.6	94.4	92.0	89.6	87.2
67.5°	105.1	104.2	103.0	101.4	100.0	98.4	96.7	94.7	92.3	90.0	87.6
65°	105.1	104.2	102.9	101.6	100.2	98.6	96.9	95.0	92.6	90.3	88.0
62.5°	105.1	104.2	102.9	101.7	100.4	98.8	97.1	95.3	93.0	90.7	88.4
60°	105.1	104.2	102.9	101.9	100.6	99.0	97.4	95.6	93.4	91.2	88.9
57.5°	105.1	104.2	103.0	102.1	100.8	99.2	97.6	96.0	93.8	91.6	89.5
55°	105.1	104.2	103.2	102.3	101.0	99.4	97.9	96.3	94.3	92.2	90.2
52.5°	105.1	104.2	103.3	102.5	101.2	99.7	98.1	96.6	94.8	92.9	91.0
50°	105.1	104.3	103.4	102.8	101.4	99.9	98.5	97.0	95.4	93.7	91.8
47.5°	105.1	104.3	103.5	103.0	101.6	100.2	98.8	97.4	96.2	94.6	92.8
45°	105.1	104.3	103.7	103.2	101.8	100.5	99.2	97.9	96.9	95.5	93.8
42.5°	105.1	104.3	103.8	103.3	102.1	100.8	99.6	98.5	97.6	96.5	94.5
40°	105.1	104.4	103.9	103.5	102.3	101.1	100.1	99.1	98.3	97.5	95.2
37.5°	105.1	104.4	104.0	103.7	102.6	101.4	100.5	99.8	99.1	98.3	95.9
35°	105.1	104.4	104.2	103.9	102.8	101.8	101.0	100.4	100.0	98.9	96.7
32.5°	105.1	104.5	104.3	104.1	103.1	102.2	101.6	101.1	100.8	99.7	97.9
30°	105.1	104.5	104.4	104.4	103.4	102.6	102.2	101.8	101.7	100.6	99.2
27.5°	105.1	104.5	104.6	104.7	103.9	103.1	102.8	102.6	102.6	101.6	100.6
25°	105.1	104.6	104.7	105.0	104.4	103.5	103.4	103.4	103.5	102.8	102.2
22.5°	105.1	104.6	104.8	105.3	105.1	104.2	104.0	104.2	104.4	104.1	104.0
20°	105.1	104.7	104.9	105.6	105.7	105.4	104.6	105.0	105.4	105.6	106.0
17.5°	105.1	104.7	105.1	105.9	106.4	106.6	106.0	105.8	106.4	107.1	108.0
15°	105.1	104.8	105.2	106.3	107.1	107.9	107.9	107.5	107.5	108.6	110.0
12.5°	105.1	104.8	105.3	106.6	107.9	109.2	109.9	110.3	110.2	110.2	112.1
10°	105.1	104.9	105.4	107.0	108.7	110.5	111.9	113.3	114.3	115.2	116.6
7.5°	105.1	104.9	105.6	107.4	109.4	111.9	113.9	116.2	118.4	120.7	126.4
5°	105.1	105.0	105.7	107.7	110.2	113.2	116.0	119.2	122.6	126.4	136.5
2.5°	105.1	105.0	105.8	108.1	111.0	114.6	118.1	122.2	126.8	132.0	146.7
0°	105.1	105.1	105.9	108.4	111.7	115.9	120.1	125.1	130.9	137.6	156.8
-2.5°	105.1	105.5	106.8	109.9	114.0	119.6	126.4	134.2	144.3	159.6	194.6
-5°	105.1	105.8	107.6	111.4	116.3	123.2	132.6	143.2	157.5	181.0	231.0
-7.5°	105.1	106.2	108.5	112.9	118.6	126.7	138.6	152.0	170.2	201.5	265.3
-10°	105.1	106.5	109.3	114.3	120.8	130.0	144.3	160.3	182.4	220.6	296.5
-12.5°	105.1	106.9	110.2	115.8	122.9	133.3	149.6	168.3	193.8	239.9	337.7
-15°	105.1	107.2	111.0	117.1	125.0	136.3	154.6	175.8	208.5	270.7	380.5
-17.5°	105.1	107.6	111.8	118.4	126.9	139.1	159.0	185.8	227.1	297.7	417.1
-20°	105.1	107.9	112.5	119.7	128.8	141.7	164.3	197.4	243.5	320.1	447.0



REPORT NUMBER: P1212225 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-1000R-57-90-5S-ECV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	105.1	108.2	113.2	120.8	130.5	144.1	171.5	207.8	257.6	337.6	469.3
-25°	105.1	108.5	113.9	121.9	132.1	148.5	178.0	216.9	269.0	349.6	483.5
-27.5°	105.1	108.8	114.6	123.0	133.6	153.4	183.8	224.5	277.7	358.6	497.2
-30°	105.1	109.1	115.2	123.9	135.2	157.8	188.9	230.6	285.5	368.4	503.4
-32.5°	105.1	109.4	115.8	124.8	138.3	161.7	193.2	236.0	292.2	374.1	501.2
-35°	105.1	109.6	116.4	125.6	141.2	165.2	197.5	240.7	296.8	375.5	490.4
-37.5°	105.1	109.9	116.9	126.3	143.7	168.3	201.3	244.2	299.0	372.5	489.2
-40°	105.1	110.1	117.4	126.9	146.0	171.3	204.4	246.5	298.9	370.9	486.7
-42.5°	105.1	110.3	117.8	127.8	147.9	173.8	206.8	247.7	299.1	370.3	476.3
-45°	105.1	110.5	118.2	129.1	149.7	175.8	208.3	248.5	299.1	365.8	459.9
-47.5°	105.1	110.7	118.5	130.3	151.2	177.2	209.1	249.2	297.6	357.0	448.7
-50°	105.1	110.9	118.8	131.4	152.4	178.2	209.9	248.8	294.0	352.0	432.2
-52.5°	105.1	111.0	119.0	132.4	153.4	178.6	210.1	247.5	290.1	344.0	411.7
-55°	105.1	111.2	119.2	133.3	154.0	179.0	209.5	245.2	285.2	333.2	397.6
-57.5°	105.1	111.3	119.4	134.0	154.3	179.1	208.3	243.1	278.8	323.4	380.2
-60°	105.1	111.4	119.5	134.6	154.4	178.7	206.5	239.5	271.4	312.5	361.7
-62.5°	105.1	111.5	119.6	135.1	154.7	177.9	205.0	234.9	265.5	299.8	345.3
-65°	105.1	111.6	119.6	135.4	154.8	176.8	202.9	230.2	258.8	290.2	326.7
-67.5°	105.1	111.6	119.5	135.5	154.7	175.7	200.4	226.1	251.4	281.0	312.7
-70°	105.1	111.6	119.5	135.5	154.3	174.9	197.3	221.5	245.7	270.9	300.4
-72.5°	105.1	111.6	119.4	135.5	153.8	173.7	195.2	216.6	239.5	263.4	288.1
-75°	105.1	111.6	119.2	135.3	153.1	172.3	192.9	212.6	233.0	255.4	278.6
-77.5°	105.1	111.6	119.0	135.0	152.3	170.7	190.3	208.9	227.9	247.6	268.6
-80°	105.1	111.6	118.8	134.6	151.4	169.0	187.4	204.8	222.7	241.1	260.1
-82.5°	105.1	111.6	118.6	134.1	150.3	167.2	184.6	200.7	217.1	234.2	251.6
-85°	105.1	111.5	118.3	133.5	149.1	165.2	181.6	196.9	212.3	227.9	243.6
-87.5°	105.1	111.4	117.9	132.8	147.8	163.0	178.5	192.9	207.4	221.9	236.6
-90°	105.1	104.2	103.4	101.5	99.6	97.8	95.9	93.4	90.9	88.4	85.9



REPORT NUMBER: P1212225 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-90-5S-ECV

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	238.1	246.8	255.6	264.3	267.9	271.4	275.0	278.5	282.9	287.3	291.6
87.5°	83.0	80.1	77.2	74.2	70.9	67.6	64.3	60.9	57.2	53.4	49.7
85°	83.1	80.2	77.2	74.3	71.0	67.7	64.4	61.0	57.3	53.6	49.8
82.5°	83.2	80.3	77.4	74.5	71.2	67.9	64.6	61.2	57.5	53.8	50.0
80°	83.4	80.5	77.6	74.7	71.4	68.1	64.8	61.5	57.8	54.0	50.3
77.5°	83.6	80.7	77.9	75.0	71.8	68.4	65.1	61.8	58.2	54.4	50.6
75°	83.9	81.0	78.2	75.3	72.1	68.8	65.5	62.0	58.3	54.6	50.9
72.5°	84.3	81.4	78.5	75.7	72.6	69.2	65.6	62.0	58.4	54.8	51.3
70°	84.7	81.8	79.0	76.1	73.1	69.6	66.1	62.5	59.0	55.4	51.9
67.5°	85.1	82.3	79.5	76.7	73.7	70.2	66.7	63.2	59.7	56.1	52.5
65°	85.6	82.8	80.0	77.2	74.4	71.0	67.5	64.0	60.4	56.9	53.3
62.5°	86.1	83.4	80.7	77.9	75.1	71.8	68.4	64.9	61.3	58.0	54.5
60°	86.7	84.1	81.4	78.6	75.8	72.8	69.3	66.0	62.8	59.5	55.4
57.5°	87.3	84.8	82.1	79.4	76.6	73.8	70.5	67.3	63.8	60.0	55.9
55°	88.0	85.5	82.9	80.2	77.6	74.8	71.7	68.2	64.6	61.0	57.2
52.5°	88.8	86.4	83.8	81.2	78.7	75.9	72.8	69.3	65.8	62.3	58.6
50°	89.7	87.2	84.8	82.5	79.9	77.0	74.1	70.7	67.2	63.7	60.1
47.5°	90.5	88.0	86.1	83.8	81.1	78.3	75.4	72.2	68.8	65.2	61.6
45°	91.2	89.1	87.4	85.0	82.3	79.6	76.8	73.8	70.4	67.0	63.8
42.5°	92.0	90.2	88.5	86.3	83.7	81.0	78.2	75.4	72.2	69.0	65.7
40°	93.0	91.3	89.6	87.6	85.1	82.5	79.8	77.1	74.1	70.9	67.6
37.5°	94.0	92.5	90.9	88.9	86.7	84.1	81.5	79.0	76.1	72.9	69.8
35°	95.1	93.8	92.2	90.3	88.2	85.8	83.5	81.1	78.4	75.6	72.5
32.5°	96.2	95.1	93.7	91.8	89.8	87.7	85.8	83.6	81.2	78.7	75.7
30°	97.7	96.6	95.3	93.4	91.6	90.0	88.3	86.3	84.4	82.1	79.8
27.5°	99.7	98.2	96.8	95.1	93.7	92.5	91.2	89.6	87.9	86.0	84.4
25°	101.7	100.8	98.3	97.0	96.1	95.3	94.3	93.2	91.7	90.4	89.5
22.5°	104.0	103.7	101.9	99.0	98.6	98.3	97.9	97.3	96.6	95.3	93.9
20°	106.6	106.9	106.2	104.7	102.4	101.6	101.5	101.8	102.4	103.4	101.4
17.5°	109.2	110.5	111.0	112.0	113.6	111.3	105.4	106.8	108.9	114.9	119.3
15°	112.1	114.3	116.2	120.6	127.2	132.2	132.6	122.9	118.0	130.3	143.1
12.5°	115.0	118.4	121.7	130.3	142.8	156.8	172.2	184.4	187.6	178.1	173.0
10°	118.0	122.7	127.4	140.8	159.8	184.4	217.8	256.6	296.8	363.7	472.0
7.5°	133.5	139.0	140.6	151.7	177.7	214.0	267.4	336.3	417.7	584.1	965.1
5°	151.6	169.0	194.5	231.6	272.9	316.5	370.6	424.9	545.1	825.5	1536.5
2.5°	170.1	199.6	250.3	324.4	419.1	534.0	697.0	1155.6	1878.1	2681.1	3712.1
0°	188.4	230.1	306.0	416.9	565.3	752.1	1024.7	1901.9	3477.7	5317.0	7237.2
-2.5°	250.3	332.6	451.5	600.4	766.4	990.6	1319.7	2402.5	4245.7	6546.0	9770.3
-5°	310.0	431.1	591.7	777.6	961.7	1218.9	1597.9	2836.6	4966.8	7739.3	11762.8
-7.5°	365.8	522.9	723.4	945.4	1155.3	1448.8	1894.3	3326.1	5848.8	8990.0	13174.3
-10°	419.5	611.6	846.3	1099.4	1346.2	1670.2	2165.2	3662.3	6456.9	9964.2	14254.8
-12.5°	486.5	696.9	957.3	1240.6	1522.8	1869.7	2392.6	3808.4	6729.9	10616.3	15148.1
-15°	545.3	771.9	1054.0	1367.2	1682.7	2044.1	2569.6	3733.2	6655.6	10998.0	15950.9
-17.5°	594.8	835.3	1134.6	1477.3	1823.9	2190.7	2710.9	3643.0	6455.7	10853.0	16208.9
-20°	633.8	886.0	1197.5	1569.6	1943.4	2325.3	2913.2	3889.7	6211.8	10209.1	15651.9



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 CATALOG NUMBER: EPH-LS12-1000R-57-90-5S-ECV

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	661.3	923.0	1245.2	1634.6	2032.7	2445.1	3031.2	3990.2	5688.9	9049.0	14989.9
-25°	681.8	951.8	1280.5	1674.6	2099.0	2531.7	3046.0	3958.0	5350.9	8708.5	14040.5
-27.5°	696.2	964.7	1300.0	1691.5	2142.2	2584.8	3075.5	3903.5	5482.9	8099.1	12471.8
-30°	699.2	966.4	1300.4	1688.7	2145.7	2610.4	3101.6	3868.8	5343.4	7702.2	11365.8
-32.5°	695.5	955.2	1288.6	1673.4	2117.2	2608.5	3155.3	3897.7	5128.3	7047.9	10073.6
-35°	688.6	945.6	1262.0	1635.0	2062.4	2575.9	3171.0	3879.1	4792.4	6441.6	8974.6
-37.5°	678.3	922.5	1218.0	1580.6	1997.5	2506.2	3113.5	3796.1	4642.3	5804.4	8043.8
-40°	657.1	885.9	1173.0	1513.8	1918.9	2401.9	2979.2	3648.6	4419.0	5592.5	7101.6
-42.5°	627.4	849.9	1117.6	1428.3	1822.8	2278.3	2794.7	3431.5	4233.4	5243.9	6553.6
-45°	606.0	801.4	1049.3	1346.7	1701.9	2127.6	2615.6	3164.8	3954.3	4870.6	5953.0
-47.5°	574.8	746.6	978.3	1241.0	1568.2	1957.1	2404.8	2947.4	3597.2	4425.3	5366.7
-50°	539.5	698.0	888.3	1131.4	1418.7	1768.4	2176.7	2679.9	3263.3	3936.5	4746.8
-52.5°	512.4	638.4	808.9	1011.2	1265.9	1566.5	1945.5	2394.4	2903.2	3471.2	4198.3
-55°	479.2	590.8	724.4	900.3	1110.0	1369.7	1702.3	2104.7	2533.8	3034.4	3648.5
-57.5°	451.2	541.6	652.9	791.7	970.1	1177.7	1478.2	1808.2	2194.0	2610.4	3120.5
-60°	425.3	496.4	588.7	701.7	833.9	1024.5	1253.2	1536.3	1856.3	2210.3	2641.7
-62.5°	397.5	456.6	529.3	620.3	731.9	873.5	1068.9	1290.0	1526.7	1835.0	2180.2
-65°	373.1	416.1	474.3	548.0	632.7	756.0	902.0	1067.4	1271.1	1502.8	1752.7
-67.5°	346.0	384.1	425.9	475.6	548.5	642.1	745.8	881.8	1035.3	1212.0	1405.0
-70°	328.0	352.2	386.4	425.9	472.0	536.4	622.6	717.1	823.9	957.7	1114.5
-72.5°	311.3	333.0	355.8	379.4	418.0	466.2	519.1	576.4	656.5	759.4	868.9
-75°	297.1	313.5	333.2	354.0	378.5	407.2	440.4	485.9	541.5	605.9	674.5
-77.5°	285.1	300.1	315.3	330.6	347.4	369.4	393.7	420.3	455.7	495.5	537.0
-80°	273.7	286.5	300.2	314.1	327.2	341.1	355.9	371.6	395.6	424.8	457.2
-82.5°	263.9	275.7	287.6	299.4	308.6	317.9	327.8	339.2	357.0	376.6	397.3
-85°	254.3	264.8	275.7	286.5	293.9	301.2	308.8	316.4	327.9	340.0	352.5
-87.5°	246.2	255.9	265.5	275.2	280.5	285.8	291.2	296.7	304.0	311.4	319.0
-90°	83.0	80.1	77.1	74.2	70.9	67.6	64.2	60.9	57.2	53.4	49.7



REPORT NUMBER: P1212225 (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°	296.0	303.5	311.0	318.5	326.0	336.2	346.5	356.7	366.9	380.0	393.2
87.5°	45.9	42.4	38.8	35.3	31.7	28.4	25.0	21.7	18.3	15.4	12.5
85°	46.1	42.5	38.9	35.4	31.8	28.5	25.1	21.7	18.4	15.2	12.1
82.5°	46.2	42.7	39.1	35.5	32.0	28.6	25.2	21.8	18.5	15.3	12.2
80°	46.5	42.9	39.3	35.8	32.2	28.8	25.4	22.0	18.6	15.4	12.2
77.5°	46.9	43.2	39.7	36.1	32.5	29.0	25.6	22.2	18.8	15.5	12.3
75°	47.2	43.6	40.0	36.4	32.8	29.3	25.9	22.4	19.0	15.7	12.5
72.5°	47.7	44.1	40.5	36.9	33.2	29.7	26.2	22.7	19.2	15.9	12.6
70°	48.3	44.7	41.0	37.4	33.7	30.1	26.6	23.1	19.5	16.1	12.8
67.5°	48.9	45.3	41.6	37.9	34.2	30.6	27.0	23.5	19.9	16.4	13.1
65°	49.7	46.1	42.3	38.6	34.9	31.1	27.4	23.7	19.8	16.2	12.9
62.5°	50.8	46.8	42.8	39.1	35.4	31.7	27.9	24.0	20.1	16.4	13.1
60°	51.2	47.0	43.3	39.7	36.1	32.4	28.6	24.6	20.6	16.7	13.4
57.5°	52.1	48.1	44.2	40.6	36.9	33.2	29.4	25.4	21.5	17.7	14.2
55°	53.3	49.3	45.3	41.7	38.1	34.3	30.3	26.3	22.2	18.0	14.3
52.5°	54.6	50.8	47.2	43.4	39.4	35.3	31.2	27.0	22.9	18.8	15.1
50°	56.3	52.7	48.8	44.8	40.7	36.5	32.3	28.2	23.9	19.4	15.3
47.5°	58.3	54.6	50.5	46.2	42.1	37.8	33.5	29.1	24.7	20.3	16.1
45°	60.5	56.4	52.2	47.9	43.6	39.3	34.9	30.4	26.0	21.5	17.1
42.5°	62.3	58.1	53.7	49.7	45.4	40.9	36.4	31.7	27.1	22.3	17.4
40°	63.9	59.7	56.1	51.9	47.4	42.8	37.9	33.2	28.4	23.4	18.4
37.5°	66.2	62.7	58.9	54.6	49.6	44.1	39.8	35.1	30.0	25.0	19.8
35°	69.3	66.0	62.1	57.5	52.5	47.7	42.9	37.6	31.8	26.9	21.4
32.5°	73.1	70.3	66.7	61.8	57.5	51.8	46.1	41.9	36.4	31.0	25.5
30°	78.0	76.9	71.6	66.8	61.5	56.7	53.1	48.6	43.6	38.1	30.4
27.5°	84.7	81.6	75.1	70.4	66.8	63.5	59.6	54.8	48.2	41.0	31.6
25°	89.0	83.6	79.0	75.8	73.1	69.9	64.8	58.5	48.9	38.9	30.6
22.5°	92.0	87.8	84.4	82.2	79.7	75.3	68.1	57.9	48.3	39.9	31.7
20°	96.5	92.2	93.1	93.3	86.5	81.7	70.5	59.2	50.7	42.0	33.4
17.5°	113.7	101.3	109.3	117.3	108.6	90.6	85.1	70.6	61.1	51.6	40.2
15°	146.2	149.7	152.1	151.5	147.8	132.6	115.3	111.2	97.7	88.4	77.2
12.5°	193.4	223.9	281.9	384.7	234.7	197.9	281.8	287.8	197.9	165.4	151.9
10°	522.8	321.5	571.3	1510.7	3178.1	3563.1	953.6	2855.1	3437.5	4737.3	1347.6
7.5°	1618.5	2443.9	3167.0	4476.0	8698.1	13866.0	15873.0	17257.5	23264.9	29114.7	31562.2
5°	2931.9	5211.5	8159.8	12166.1	18291.6	26122.6	33545.5	43155.6	50825.6	62485.5	72971.5
2.5°	5615.3	9480.7	14420.0	20570.8	27969.1	37515.6	48272.9	64030.0	77347.8	88780.0	96933.4
0°	10147.1	17022.5	25017.6	36497.1	47242.9	62209.3	76313.5	96271.8	113775.3	131041.7	143999.1
-2.5°	13844.0	20505.6	29560.9	41891.0	55034.4	68382.7	85455.6	106483.6	128318.0	147697.3	162961.7
-5°	16849.0	23910.8	34108.7	46613.8	59566.4	72676.8	87891.8	108861.7	132381.3	151330.0	165473.3
-7.5°	19040.8	26761.5	37617.6	50328.6	63387.6	77783.7	94729.7	115056.8	135998.4	157447.6	173514.6
-10°	20432.3	28778.1	39734.1	53311.1	67624.1	83194.8	100713.2	121023.7	142009.9	164409.1	184960.9
-12.5°	21517.6	30140.5	40433.6	54728.9	69714.8	87131.8	105734.7	125439.7	147423.4	170614.5	189496.4
-15°	22389.8	30795.7	40808.6	55182.7	71968.9	89242.8	108667.7	129625.5	151400.1	173369.5	192641.2
-17.5°	22877.2	31074.0	41764.9	55159.5	72737.2	89451.5	108722.6	130240.4	153503.1	175656.1	193016.2
-20°	22674.4	31261.4	41898.3	54744.7	70264.8	87385.6	105536.3	128044.5	151720.1	172966.9	190147.3



REPORT NUMBER: P1212225 (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°	22320.8	30740.1	40666.8	52771.5	66508.8	82339.1	100914.0	124429.7	148136.3	166507.0	184181.1
-25°	21260.2	29279.2	38651.5	49825.0	62246.1	76868.2	95971.6	117440.7	138085.7	157059.2	173496.9
-27.5°	19344.3	27365.1	36220.4	46291.2	57659.5	71521.1	88694.4	107431.6	125354.6	142857.8	158607.0
-30°	16439.4	24465.5	33062.4	42360.8	53128.6	65679.0	79848.8	95454.4	111662.2	127106.4	140727.7
-32.5°	14471.3	20405.9	28772.9	37781.8	47619.6	58741.5	70951.5	84395.2	97842.7	110535.6	122358.1
-35°	12310.4	17149.1	23261.1	32214.8	41590.0	51182.9	61957.0	73796.5	85756.4	96231.1	106182.4
-37.5°	10812.5	14166.4	19336.1	25898.2	34251.5	43471.4	53267.3	63260.3	73050.6	82405.3	91325.9
-40°	9477.9	12279.6	16308.0	21122.8	27480.1	34605.3	43629.1	52732.3	61213.9	69155.6	76777.5
-42.5°	8211.7	10808.5	14084.2	17996.9	22331.3	27799.8	34520.6	41607.5	48338.0	55325.1	61797.9
-45°	7309.8	9421.6	11932.9	15184.0	18733.4	22862.1	27342.0	31905.5	37202.4	42488.7	46943.8
-47.5°	6639.3	8246.0	10292.6	12624.7	15327.2	18639.6	22121.8	25583.7	29239.9	32866.2	35748.6
-50°	5910.5	7264.4	8858.8	10643.1	12806.3	15160.4	17606.7	20293.5	23165.9	25932.1	27952.4
-52.5°	5110.2	6253.1	7533.9	9046.9	10783.6	12576.6	14417.7	16557.2	18705.6	20798.6	22210.6
-55°	4410.0	5292.5	6256.1	7506.7	8921.3	10438.4	11980.7	13519.7	15144.0	16818.0	17855.0
-57.5°	3735.7	4417.1	5198.7	6159.1	7186.4	8269.2	9494.2	10775.4	12023.1	13191.1	13949.2
-60°	3108.4	3607.3	4264.0	5006.4	5773.1	6560.6	7528.2	8511.9	9488.3	10365.3	10922.4
-62.5°	2548.2	2959.5	3459.8	4018.7	4614.4	5260.6	5957.2	6678.7	7414.4	8055.8	8488.3
-65°	2036.6	2365.7	2748.1	3154.7	3582.3	4082.0	4619.4	5156.3	5688.0	6130.2	6456.5
-67.5°	1627.5	1865.4	2134.3	2412.3	2732.9	3097.5	3500.3	3904.2	4305.6	4634.1	4894.3
-70°	1278.0	1454.4	1651.1	1863.1	2096.0	2354.7	2641.3	2928.6	3214.2	3444.2	3639.1
-72.5°	984.1	1112.4	1258.5	1422.4	1589.6	1775.9	1980.3	2190.2	2403.1	2568.5	2710.6
-75°	746.9	835.8	946.1	1060.2	1177.1	1307.5	1443.3	1578.4	1712.1	1815.7	1908.4
-77.5°	587.6	654.5	726.8	800.5	875.3	962.1	1053.5	1146.0	1238.8	1308.9	1373.3
-80°	490.8	532.2	577.2	624.3	673.0	730.7	790.3	850.4	910.5	957.0	1001.0
-82.5°	419.0	445.9	474.0	502.8	532.0	570.2	609.5	649.1	688.7	721.7	753.8
-85°	365.5	383.2	401.5	420.1	439.0	464.9	491.4	518.1	544.8	567.6	590.1
-87.5°	326.6	338.2	349.9	361.6	373.5	390.2	407.0	424.0	440.9	456.9	472.7
-90°	45.9	42.4	38.8	35.3	31.7	28.4	25.0	21.7	18.3	15.4	12.5



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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°	406.3	419.4	421.9	424.4	421.9	419.4	406.3	393.2	380.0	366.9	356.7
87.5°	9.6	6.7	4.2	1.7	4.2	6.7	9.6	12.5	15.4	18.3	21.7
85°	9.0	5.8	3.8	1.7	3.8	5.8	9.0	12.1	15.2	18.4	21.7
82.5°	9.0	5.9	3.3	0.8	3.3	5.9	9.0	12.2	15.3	18.5	21.8
80°	9.1	5.9	3.8	1.7	3.8	5.9	9.1	12.2	15.4	18.6	22.0
77.5°	9.1	6.0	3.4	0.8	3.4	6.0	9.1	12.3	15.5	18.8	22.2
75°	9.3	6.0	3.4	0.8	3.4	6.0	9.3	12.5	15.7	19.0	22.4
72.5°	9.4	6.1	3.8	1.7	3.8	6.1	9.4	12.6	15.9	19.2	22.7
70°	9.5	6.2	3.5	0.8	3.5	6.2	9.5	12.8	16.1	19.5	23.1
67.5°	9.7	6.3	3.5	0.8	3.5	6.3	9.7	13.1	16.4	19.9	23.5
65°	9.6	6.4	3.6	0.8	3.6	6.4	9.6	12.9	16.2	19.8	23.7
62.5°	9.8	6.5	3.6	0.8	3.6	6.5	9.8	13.1	16.4	20.1	24.0
60°	10.1	6.7	3.7	0.8	3.7	6.7	10.1	13.4	16.7	20.6	24.6
57.5°	10.6	6.9	3.4	0.0	3.4	6.9	10.6	14.2	17.7	21.5	25.4
55°	10.7	7.1	3.8	0.8	3.8	7.1	10.7	14.3	18.0	22.2	26.3
52.5°	11.3	7.4	4.0	0.8	4.0	7.4	11.3	15.1	18.8	22.9	27.0
50°	11.4	7.6	3.8	0.0	3.8	7.6	11.4	15.3	19.4	23.9	28.2
47.5°	12.1	8.0	3.9	0.0	3.9	8.0	12.1	16.1	20.3	24.7	29.1
45°	12.7	8.4	4.3	0.8	4.3	8.4	12.7	17.1	21.5	26.0	30.4
42.5°	13.0	8.6	4.3	0.0	4.3	8.6	13.0	17.4	22.3	27.1	31.7
40°	13.9	9.2	4.5	0.0	4.5	9.2	13.9	18.4	23.4	28.4	33.2
37.5°	14.8	9.8	4.9	0.8	4.9	9.8	14.8	19.8	25.0	30.0	35.1
35°	15.7	10.4	5.2	0.8	5.2	10.4	15.7	21.4	26.9	31.8	37.6
32.5°	19.4	13.1	6.3	0.8	6.3	13.1	19.4	25.5	31.0	36.4	41.9
30°	22.6	15.2	7.5	0.0	7.5	15.2	22.6	30.4	38.1	43.6	48.6
27.5°	23.1	15.1	7.3	0.8	7.3	15.1	23.1	31.6	41.0	48.2	54.8
25°	22.9	15.5	8.5	2.5	8.5	15.5	22.9	30.6	38.9	48.9	58.5
22.5°	23.4	15.5	8.4	5.0	8.4	15.5	23.4	31.7	39.9	48.3	57.9
20°	25.4	17.5	11.7	6.7	11.7	17.5	25.4	33.4	42.0	50.7	59.2
17.5°	36.3	27.4	21.3	17.5	21.3	27.4	36.3	40.2	51.6	61.1	70.6
15°	67.3	57.4	49.2	45.0	49.2	57.4	67.3	77.2	88.4	97.7	111.2
12.5°	121.8	105.2	90.9	74.7	90.9	105.2	121.8	151.9	165.4	197.9	287.8
10°	3366.6	2797.5	2369.3	1470.8	2369.3	2797.5	3366.6	1347.6	4737.3	3437.5	2855.1
7.5°	33927.2	37973.6	40275.0	42821.8	40275.0	37973.6	33927.2	31562.2	29114.7	23264.9	17257.5
5°	79010.7	90155.9	89978.4	94217.3	89978.4	90155.9	79010.7	72971.5	62485.5	50825.6	43155.6
2.5°	105238.2	113948.9	114293.6	115225.8	114293.6	113948.9	105238.2	96933.4	88780.0	77347.8	64030.0
0°	155245.5	164661.0	166156.8	166533.7	166156.8	164661.0	155245.5	143999.1	131041.7	113775.3	96271.8
-2.5°	176818.0	187625.7	190604.0	191455.0	190604.0	187625.7	176818.0	162961.7	147697.3	128318.0	106483.6
-5°	178057.4	186781.3	189577.1	190882.6	189577.1	186781.3	178057.4	165473.3	151330.0	132381.3	108861.7
-7.5°	186930.8	194244.0	196930.9	197750.9	196930.9	194244.0	186930.8	173514.6	157447.6	135998.4	115056.8
-10°	198328.1	206208.1	210069.5	210057.1	210069.5	206208.1	198328.1	184960.9	164409.1	142009.9	121023.7
-12.5°	205504.9	216858.3	221821.3	223793.2	221821.3	216858.3	205504.9	189496.4	170614.5	147423.4	125439.7
-15°	207669.0	219812.7	226146.7	228658.8	226146.7	219812.7	207669.0	192641.2	173369.5	151400.1	129625.5
-17.5°	207208.9	219511.5	225010.4	226655.2	225010.4	219511.5	207208.9	193016.2	175656.1	153503.1	130240.4
-20°	203803.3	215722.1	221919.4	223507.7	221919.4	215722.1	203803.3	190147.3	172966.9	151720.1	128044.5



REPORT NUMBER: P1212225 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-90-5S-ECV

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	197546.7	208183.2	214204.9	216353.0	214204.9	208183.2	197546.7	184181.1	166507.0	148136.3	124429.7
-25°	187557.9	197451.1	203838.6	206908.8	203838.6	197451.1	187557.9	173496.9	157059.2	138085.7	117440.7
-27.5°	173077.3	182139.1	189045.3	190023.9	189045.3	182139.1	173077.3	158607.0	142857.8	125354.6	107431.6
-30°	153872.4	161241.7	166831.3	168543.1	166831.3	161241.7	153872.4	140727.7	127106.4	111662.2	95454.4
-32.5°	132316.8	138774.4	143747.5	145688.3	143747.5	138774.4	132316.8	122358.1	110535.6	97842.7	84395.2
-35°	114012.9	119674.6	124037.1	124731.2	124037.1	119674.6	114012.9	106182.4	96231.1	85756.4	73796.5
-37.5°	97478.4	101947.6	105186.2	106186.3	105186.2	101947.6	97478.4	91325.9	82405.3	73050.6	63260.3
-40°	81238.4	84948.9	87459.6	87723.8	87459.6	84948.9	81238.4	76777.5	69155.6	61213.9	52732.3
-42.5°	65160.4	67762.7	69442.5	70041.8	69442.5	67762.7	65160.4	61797.9	55325.1	48338.0	41607.5
-45°	49514.2	51517.9	53085.1	54310.0	53085.1	51517.9	49514.2	46943.8	42488.7	37202.4	31905.5
-47.5°	37631.2	39187.1	40028.3	40099.9	40028.3	39187.1	37631.2	35748.6	32866.2	29239.9	25583.7
-50°	29403.3	30613.8	31278.0	31437.7	31278.0	30613.8	29403.3	27952.4	25932.1	23165.9	20293.5
-52.5°	23381.7	24440.6	25052.7	25275.3	25052.7	24440.6	23381.7	22210.6	20798.6	18705.6	16557.2
-55°	18751.2	19529.7	20124.0	20559.4	20124.0	19529.7	18751.2	17855.0	16818.0	15144.0	13519.7
-57.5°	14643.0	15262.9	15592.8	15733.5	15592.8	15262.9	14643.0	13949.2	13191.1	12023.1	10775.4
-60°	11429.4	11881.0	12140.1	12284.9	12140.1	11881.0	11429.4	10922.4	10365.3	9488.3	8511.9
-62.5°	8880.5	9228.9	9400.4	9482.6	9400.4	9228.9	8880.5	8488.3	8055.8	7414.4	6678.7
-65°	6754.2	7021.6	7177.1	7282.2	7177.1	7021.6	6754.2	6456.5	6130.2	5688.0	5156.3
-67.5°	5134.2	5352.6	5395.2	5385.4	5395.2	5352.6	5134.2	4894.3	4634.1	4305.6	3904.2
-70°	3824.1	3997.1	4029.3	4027.2	4029.3	3997.1	3824.1	3639.1	3444.2	3214.2	2928.6
-72.5°	2844.4	2968.8	3010.6	3032.5	3010.6	2968.8	2844.4	2710.6	2568.5	2403.1	2190.2
-75°	1996.3	2078.7	2122.0	2156.2	2122.0	2078.7	1996.3	1908.4	1815.7	1712.1	1578.4
-77.5°	1435.1	1493.8	1511.0	1522.5	1511.0	1493.8	1435.1	1373.3	1308.9	1238.8	1146.0
-80°	1043.6	1084.5	1090.4	1093.1	1090.4	1084.5	1043.6	1001.0	957.0	910.5	850.4
-82.5°	785.4	816.2	820.3	822.9	820.3	816.2	785.4	753.8	721.7	688.7	649.1
-85°	612.3	634.1	639.2	643.7	639.2	634.1	612.3	590.1	567.6	544.8	518.1
-87.5°	488.4	504.0	506.4	508.6	506.4	504.0	488.4	472.7	456.9	440.9	424.0
-90°	9.6	6.7	4.2	1.7	4.2	6.7	9.6	12.5	15.4	18.3	21.7



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	346.5	336.2	326.0	318.5	311.0	303.5	296.0	291.6	287.3	282.9	278.5
87.5°	25.0	28.4	31.7	35.3	38.8	42.4	45.9	49.7	53.4	57.2	60.9
85°	25.1	28.5	31.8	35.4	38.9	42.5	46.1	49.8	53.6	57.3	61.0
82.5°	25.2	28.6	32.0	35.5	39.1	42.7	46.2	50.0	53.8	57.5	61.2
80°	25.4	28.8	32.2	35.8	39.3	42.9	46.5	50.3	54.0	57.8	61.5
77.5°	25.6	29.0	32.5	36.1	39.7	43.2	46.9	50.6	54.4	58.2	61.8
75°	25.9	29.3	32.8	36.4	40.0	43.6	47.2	50.9	54.6	58.3	62.0
72.5°	26.2	29.7	33.2	36.9	40.5	44.1	47.7	51.3	54.8	58.4	62.0
70°	26.6	30.1	33.7	37.4	41.0	44.7	48.3	51.9	55.4	59.0	62.5
67.5°	27.0	30.6	34.2	37.9	41.6	45.3	48.9	52.5	56.1	59.7	63.2
65°	27.4	31.1	34.9	38.6	42.3	46.1	49.7	53.3	56.9	60.4	64.0
62.5°	27.9	31.7	35.4	39.1	42.8	46.8	50.8	54.5	58.0	61.3	64.9
60°	28.6	32.4	36.1	39.7	43.3	47.0	51.2	55.4	59.5	62.8	66.0
57.5°	29.4	33.2	36.9	40.6	44.2	48.1	52.1	55.9	60.0	63.8	67.3
55°	30.3	34.3	38.1	41.7	45.3	49.3	53.3	57.2	61.0	64.6	68.2
52.5°	31.2	35.3	39.4	43.4	47.2	50.8	54.6	58.6	62.3	65.8	69.3
50°	32.3	36.5	40.7	44.8	48.8	52.7	56.3	60.1	63.7	67.2	70.7
47.5°	33.5	37.8	42.1	46.2	50.5	54.6	58.3	61.6	65.2	68.8	72.2
45°	34.9	39.3	43.6	47.9	52.2	56.4	60.5	63.8	67.0	70.4	73.8
42.5°	36.4	40.9	45.4	49.7	53.7	58.1	62.3	65.7	69.0	72.2	75.4
40°	37.9	42.8	47.4	51.9	56.1	59.7	63.9	67.6	70.9	74.1	77.1
37.5°	39.8	44.1	49.6	54.6	58.9	62.7	66.2	69.8	72.9	76.1	79.0
35°	42.9	47.7	52.5	57.5	62.1	66.0	69.3	72.5	75.6	78.4	81.1
32.5°	46.1	51.8	57.5	61.8	66.7	70.3	73.1	75.7	78.7	81.2	83.6
30°	53.1	56.7	61.5	66.8	71.6	76.9	78.0	79.8	82.1	84.4	86.3
27.5°	59.6	63.5	66.8	70.4	75.1	81.6	84.7	84.4	86.0	87.9	89.6
25°	64.8	69.9	73.1	75.8	79.0	83.6	89.0	89.5	90.4	91.7	93.2
22.5°	68.1	75.3	79.7	82.2	84.4	87.8	92.0	93.9	95.3	96.6	97.3
20°	70.5	81.7	86.5	93.3	93.1	92.2	96.5	101.4	103.4	102.4	101.8
17.5°	85.1	90.6	108.6	117.3	109.3	101.3	113.7	119.3	114.9	108.9	106.8
15°	115.3	132.6	147.8	151.5	152.1	149.7	146.2	143.1	130.3	118.0	122.9
12.5°	281.8	197.9	234.7	384.7	281.9	223.9	193.4	173.0	178.1	187.6	184.4
10°	953.6	3563.1	3178.1	1510.7	571.3	321.5	522.8	472.0	363.7	296.8	256.6
7.5°	15873.0	13866.0	8698.1	4476.0	3167.0	2443.9	1618.5	965.1	584.1	417.7	336.3
5°	33545.5	26122.6	18291.6	12166.1	8159.8	5211.5	2931.9	1536.5	825.5	545.1	424.9
2.5°	48272.9	37515.6	27969.1	20570.8	14420.0	9480.7	5615.3	3712.1	2681.1	1878.1	1155.6
0°	76313.5	62209.3	47242.9	36497.1	25017.6	17022.5	10147.1	7237.2	5317.0	3477.7	1901.9
-2.5°	85455.6	68382.7	55034.4	41891.0	29560.9	20505.6	13844.0	9770.3	6546.0	4245.7	2402.5
-5°	87891.8	72676.8	59566.4	46613.8	34108.7	23910.8	16849.0	11762.8	7739.3	4966.8	2836.6
-7.5°	94729.7	77783.7	63387.6	50328.6	37617.6	26761.5	19040.8	13174.3	8990.0	5848.8	3326.1
-10°	100713.2	83194.8	67624.1	53311.1	39734.1	28778.1	20432.3	14254.8	9964.2	6456.9	3662.3
-12.5°	105734.7	87131.8	69714.8	54728.9	40433.6	30140.5	21517.6	15148.1	10616.3	6729.9	3808.4
-15°	108667.7	89242.8	71968.9	55182.7	40808.6	30795.7	22389.8	15950.9	10998.0	6655.6	3733.2
-17.5°	108722.6	89451.5	72737.2	55159.5	41764.9	31074.0	22877.2	16208.9	10853.0	6455.7	3643.0
-20°	105536.3	87385.6	70264.8	54744.7	41898.3	31261.4	22674.4	15651.9	10209.1	6211.8	3889.7



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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°	100914.0	82339.1	66508.8	52771.5	40666.8	30740.1	22320.8	14989.9	9049.0	5688.9	3990.2
-25°	95971.6	76868.2	62246.1	49825.0	38651.5	29279.2	21260.2	14040.5	8708.5	5350.9	3958.0
-27.5°	88694.4	71521.1	57659.5	46291.2	36220.4	27365.1	19344.3	12471.8	8099.1	5482.9	3903.5
-30°	79848.8	65679.0	53128.6	42360.8	33062.4	24465.5	16439.4	11365.8	7702.2	5343.4	3868.8
-32.5°	70951.5	58741.5	47619.6	37781.8	28772.9	20405.9	14471.3	10073.6	7047.9	5128.3	3897.7
-35°	61957.0	51182.9	41590.0	32214.8	23261.1	17149.1	12310.4	8974.6	6441.6	4792.4	3879.1
-37.5°	53267.3	43471.4	34251.5	25898.2	19336.1	14166.4	10812.5	8043.8	5804.4	4642.3	3796.1
-40°	43629.1	34605.3	27480.1	21122.8	16308.0	12279.6	9477.9	7101.6	5592.5	4419.0	3648.6
-42.5°	34520.6	27799.8	22331.3	17996.9	14084.2	10808.5	8211.7	6553.6	5243.9	4233.4	3431.5
-45°	27342.0	22862.1	18733.4	15184.0	11932.9	9421.6	7309.8	5953.0	4870.6	3954.3	3164.8
-47.5°	22121.8	18639.6	15327.2	12624.7	10292.6	8246.0	6639.3	5366.7	4425.3	3597.2	2947.4
-50°	17606.7	15160.4	12806.3	10643.1	8858.8	7264.4	5910.5	4746.8	3936.5	3263.3	2679.9
-52.5°	14417.7	12576.6	10783.6	9046.9	7533.9	6253.1	5110.2	4198.3	3471.2	2903.2	2394.4
-55°	11980.7	10438.4	8921.3	7506.7	6256.1	5292.5	4410.0	3648.5	3034.4	2533.8	2104.7
-57.5°	9494.2	8269.2	7186.4	6159.1	5198.7	4417.1	3735.7	3120.5	2610.4	2194.0	1808.2
-60°	7528.2	6560.6	5773.1	5006.4	4264.0	3607.3	3108.4	2641.7	2210.3	1856.3	1536.3
-62.5°	5957.2	5260.6	4614.4	4018.7	3459.8	2959.5	2548.2	2180.2	1835.0	1526.7	1290.0
-65°	4619.4	4082.0	3582.3	3154.7	2748.1	2365.7	2036.6	1752.7	1502.8	1271.1	1067.4
-67.5°	3500.3	3097.5	2732.9	2412.3	2134.3	1865.4	1627.5	1405.0	1212.0	1035.3	881.8
-70°	2641.3	2354.7	2096.0	1863.1	1651.1	1454.4	1278.0	1114.5	957.7	823.9	717.1
-72.5°	1980.3	1775.9	1589.6	1422.4	1258.5	1112.4	984.1	868.9	759.4	656.5	576.4
-75°	1443.3	1307.5	1177.1	1060.2	946.1	835.8	746.9	674.5	605.9	541.5	485.9
-77.5°	1053.5	962.1	875.3	800.5	726.8	654.5	587.6	537.0	495.5	455.7	420.3
-80°	790.3	730.7	673.0	624.3	577.2	532.2	490.8	457.2	424.8	395.6	371.6
-82.5°	609.5	570.2	532.0	502.8	474.0	445.9	419.0	397.3	376.6	357.0	339.2
-85°	491.4	464.9	439.0	420.1	401.5	383.2	365.5	352.5	340.0	327.9	316.4
-87.5°	407.0	390.2	373.5	361.6	349.9	338.2	326.6	319.0	311.4	304.0	296.7
-90°	25.0	28.4	31.7	35.3	38.8	42.4	45.9	49.7	53.4	57.2	60.9



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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°	275.0	271.4	267.9	264.3	255.6	246.8	238.1	229.3	215.7	202.2	188.6
87.5°	64.3	67.6	70.9	74.2	77.2	80.1	83.0	85.9	88.4	90.9	93.4
85°	64.4	67.7	71.0	74.3	77.2	80.2	83.1	86.0	88.5	91.0	93.5
82.5°	64.6	67.9	71.2	74.5	77.4	80.3	83.2	86.1	88.6	91.1	93.5
80°	64.8	68.1	71.4	74.7	77.6	80.5	83.4	86.2	88.7	91.2	93.6
77.5°	65.1	68.4	71.8	75.0	77.9	80.7	83.6	86.4	88.9	91.3	93.8
75°	65.5	68.8	72.1	75.3	78.2	81.0	83.9	86.7	89.1	91.5	94.0
72.5°	65.6	69.2	72.6	75.7	78.5	81.4	84.3	86.9	89.3	91.8	94.2
70°	66.1	69.6	73.1	76.1	79.0	81.8	84.7	87.2	89.6	92.0	94.4
67.5°	66.7	70.2	73.7	76.7	79.5	82.3	85.1	87.6	90.0	92.3	94.7
65°	67.5	71.0	74.4	77.2	80.0	82.8	85.6	88.0	90.3	92.6	95.0
62.5°	68.4	71.8	75.1	77.9	80.7	83.4	86.1	88.4	90.7	93.0	95.3
60°	69.3	72.8	75.8	78.6	81.4	84.1	86.7	88.9	91.2	93.4	95.6
57.5°	70.5	73.8	76.6	79.4	82.1	84.8	87.3	89.5	91.6	93.8	96.0
55°	71.7	74.8	77.6	80.2	82.9	85.5	88.0	90.2	92.2	94.3	96.3
52.5°	72.8	75.9	78.7	81.2	83.8	86.4	88.8	91.0	92.9	94.8	96.6
50°	74.1	77.0	79.9	82.5	84.8	87.2	89.7	91.8	93.7	95.4	97.0
47.5°	75.4	78.3	81.1	83.8	86.1	88.0	90.5	92.8	94.6	96.2	97.4
45°	76.8	79.6	82.3	85.0	87.4	89.1	91.2	93.8	95.5	96.9	97.9
42.5°	78.2	81.0	83.7	86.3	88.5	90.2	92.0	94.5	96.5	97.6	98.5
40°	79.8	82.5	85.1	87.6	89.6	91.3	93.0	95.2	97.5	98.3	99.1
37.5°	81.5	84.1	86.7	88.9	90.9	92.5	94.0	95.9	98.3	99.1	99.8
35°	83.5	85.8	88.2	90.3	92.2	93.8	95.1	96.7	98.9	100.0	100.4
32.5°	85.8	87.7	89.8	91.8	93.7	95.1	96.2	97.9	99.7	100.8	101.1
30°	88.3	90.0	91.6	93.4	95.3	96.6	97.7	99.2	100.6	101.7	101.8
27.5°	91.2	92.5	93.7	95.1	96.8	98.2	99.7	100.6	101.6	102.6	102.6
25°	94.3	95.3	96.1	97.0	98.3	100.8	101.7	102.2	102.8	103.5	103.4
22.5°	97.9	98.3	98.6	99.0	101.9	103.7	104.0	104.0	104.1	104.4	104.2
20°	101.5	101.6	102.4	104.7	106.2	106.9	106.6	106.0	105.6	105.4	105.0
17.5°	105.4	111.3	113.6	112.0	111.0	110.5	109.2	108.0	107.1	106.4	105.8
15°	132.6	132.2	127.2	120.6	116.2	114.3	112.1	110.0	108.6	107.5	107.5
12.5°	172.2	156.8	142.8	130.3	121.7	118.4	115.0	112.1	110.2	110.2	110.3
10°	217.8	184.4	159.8	140.8	127.4	122.7	118.0	116.6	115.2	114.3	113.3
7.5°	267.4	214.0	177.7	151.7	140.6	139.0	133.5	126.4	120.7	118.4	116.2
5°	370.6	316.5	272.9	231.6	194.5	169.0	151.6	136.5	126.4	122.6	119.2
2.5°	697.0	534.0	419.1	324.4	250.3	199.6	170.1	146.7	132.0	126.8	122.2
0°	1024.7	752.1	565.3	416.9	306.0	230.1	188.4	156.8	137.6	130.9	125.1
-2.5°	1319.7	990.6	766.4	600.4	451.5	332.6	250.3	194.6	159.6	144.3	134.2
-5°	1597.9	1218.9	961.7	777.6	591.7	431.1	310.0	231.0	181.0	157.5	143.2
-7.5°	1894.3	1448.8	1155.3	945.4	723.4	522.9	365.8	265.3	201.5	170.2	152.0
-10°	2165.2	1670.2	1346.2	1099.4	846.3	611.6	419.5	296.5	220.6	182.4	160.3
-12.5°	2392.6	1869.7	1522.8	1240.6	957.3	696.9	486.5	337.7	239.9	193.8	168.3
-15°	2569.6	2044.1	1682.7	1367.2	1054.0	771.9	545.3	380.5	270.7	208.5	175.8
-17.5°	2710.9	2190.7	1823.9	1477.3	1134.6	835.3	594.8	417.1	297.7	227.1	185.8
-20°	2913.2	2325.3	1943.4	1569.6	1197.5	886.0	633.8	447.0	320.1	243.5	197.4



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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°	3031.2	2445.1	2032.7	1634.6	1245.2	923.0	661.3	469.3	337.6	257.6	207.8
-25°	3046.0	2531.7	2099.0	1674.6	1280.5	951.8	681.8	483.5	349.6	269.0	216.9
-27.5°	3075.5	2584.8	2142.2	1691.5	1300.0	964.7	696.2	497.2	358.6	277.7	224.5
-30°	3101.6	2610.4	2145.7	1688.7	1300.4	966.4	699.2	503.4	368.4	285.5	230.6
-32.5°	3155.3	2608.5	2117.2	1673.4	1288.6	955.2	695.5	501.2	374.1	292.2	236.0
-35°	3171.0	2575.9	2062.4	1635.0	1262.0	945.6	688.6	490.4	375.5	296.8	240.7
-37.5°	3113.5	2506.2	1997.5	1580.6	1218.0	922.5	678.3	489.2	372.5	299.0	244.2
-40°	2979.2	2401.9	1918.9	1513.8	1173.0	885.9	657.1	486.7	370.9	298.9	246.5
-42.5°	2794.7	2278.3	1822.8	1428.3	1117.6	849.9	627.4	476.3	370.3	299.1	247.7
-45°	2615.6	2127.6	1701.9	1346.7	1049.3	801.4	606.0	459.9	365.8	299.1	248.5
-47.5°	2404.8	1957.1	1568.2	1241.0	978.3	746.6	574.8	448.7	357.0	297.6	249.2
-50°	2176.7	1768.4	1418.7	1131.4	888.3	698.0	539.5	432.2	352.0	294.0	248.8
-52.5°	1945.5	1566.5	1265.9	1011.2	808.9	638.4	512.4	411.7	344.0	290.1	247.5
-55°	1702.3	1369.7	1110.0	900.3	724.4	590.8	479.2	397.6	333.2	285.2	245.2
-57.5°	1478.2	1177.7	970.1	791.7	652.9	541.6	451.2	380.2	323.4	278.8	243.1
-60°	1253.2	1024.5	833.9	701.7	588.7	496.4	425.3	361.7	312.5	271.4	239.5
-62.5°	1068.9	873.5	731.9	620.3	529.3	456.6	397.5	345.3	299.8	265.5	234.9
-65°	902.0	756.0	632.7	548.0	474.3	416.1	373.1	326.7	290.2	258.8	230.2
-67.5°	745.8	642.1	548.5	475.6	425.9	384.1	346.0	312.7	281.0	251.4	226.1
-70°	622.6	536.4	472.0	425.9	386.4	352.2	328.0	300.4	270.9	245.7	221.5
-72.5°	519.1	466.2	418.0	379.4	355.8	333.0	311.3	288.1	263.4	239.5	216.6
-75°	440.4	407.2	378.5	354.0	333.2	313.5	297.1	278.6	255.4	233.0	212.6
-77.5°	393.7	369.4	347.4	330.6	315.3	300.1	285.1	268.6	247.6	227.9	208.9
-80°	355.9	341.1	327.2	314.1	300.2	286.5	273.7	260.1	241.1	222.7	204.8
-82.5°	327.8	317.9	308.6	299.4	287.6	275.7	263.9	251.6	234.2	217.1	200.7
-85°	308.8	301.2	293.9	286.5	275.7	264.8	254.3	243.6	227.9	212.3	196.9
-87.5°	291.2	285.8	280.5	275.2	265.5	255.9	246.2	236.6	221.9	207.4	192.9
-90°	64.2	67.6	70.9	74.2	77.1	80.1	83.0	85.9	88.4	90.9	93.4



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	175.1	160.7	146.3	132.0	117.6	111.3	105.1
87.5°	95.9	97.7	99.6	101.5	103.3	104.2	105.1
85°	95.9	97.7	99.5	101.4	103.3	104.2	105.1
82.5°	96.0	97.7	99.5	101.3	103.2	104.2	105.1
80°	96.0	97.7	99.5	101.3	103.2	104.2	105.1
77.5°	96.1	97.8	99.5	101.3	103.1	104.2	105.1
75°	96.2	97.9	99.5	101.2	103.1	104.2	105.1
72.5°	96.4	98.1	99.6	101.2	103.0	104.2	105.1
70°	96.6	98.2	99.8	101.2	103.0	104.2	105.1
67.5°	96.7	98.4	100.0	101.4	103.0	104.2	105.1
65°	96.9	98.6	100.2	101.6	102.9	104.2	105.1
62.5°	97.1	98.8	100.4	101.7	102.9	104.2	105.1
60°	97.4	99.0	100.6	101.9	102.9	104.2	105.1
57.5°	97.6	99.2	100.8	102.1	103.0	104.2	105.1
55°	97.9	99.4	101.0	102.3	103.2	104.2	105.1
52.5°	98.1	99.7	101.2	102.5	103.3	104.2	105.1
50°	98.5	99.9	101.4	102.8	103.4	104.3	105.1
47.5°	98.8	100.2	101.6	103.0	103.5	104.3	105.1
45°	99.2	100.5	101.8	103.2	103.7	104.3	105.1
42.5°	99.6	100.8	102.1	103.3	103.8	104.3	105.1
40°	100.1	101.1	102.3	103.5	103.9	104.4	105.1
37.5°	100.5	101.4	102.6	103.7	104.0	104.4	105.1
35°	101.0	101.8	102.8	103.9	104.2	104.4	105.1
32.5°	101.6	102.2	103.1	104.1	104.3	104.5	105.1
30°	102.2	102.6	103.4	104.4	104.4	104.5	105.1
27.5°	102.8	103.1	103.9	104.7	104.6	104.5	105.1
25°	103.4	103.5	104.4	105.0	104.7	104.6	105.1
22.5°	104.0	104.2	105.1	105.3	104.8	104.6	105.1
20°	104.6	105.4	105.7	105.6	104.9	104.7	105.1
17.5°	106.0	106.6	106.4	105.9	105.1	104.7	105.1
15°	107.9	107.9	107.1	106.3	105.2	104.8	105.1
12.5°	109.9	109.2	107.9	106.6	105.3	104.8	105.1
10°	111.9	110.5	108.7	107.0	105.4	104.9	105.1
7.5°	113.9	111.9	109.4	107.4	105.6	104.9	105.1
5°	116.0	113.2	110.2	107.7	105.7	105.0	105.1
2.5°	118.1	114.6	111.0	108.1	105.8	105.0	105.1
0°	120.1	115.9	111.7	108.4	105.9	105.1	105.1
-2.5°	126.4	119.6	114.0	109.9	106.8	105.5	105.1
-5°	132.6	123.2	116.3	111.4	107.6	105.8	105.1
-7.5°	138.6	126.7	118.6	112.9	108.5	106.2	105.1
-10°	144.3	130.0	120.8	114.3	109.3	106.5	105.1
-12.5°	149.6	133.3	122.9	115.8	110.2	106.9	105.1
-15°	154.6	136.3	125.0	117.1	111.0	107.2	105.1
-17.5°	159.0	139.1	126.9	118.4	111.8	107.6	105.1
-20°	164.3	141.7	128.8	119.7	112.5	107.9	105.1



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	171.5	144.1	130.5	120.8	113.2	108.2	105.1
-25°	178.0	148.5	132.1	121.9	113.9	108.5	105.1
-27.5°	183.8	153.4	133.6	123.0	114.6	108.8	105.1
-30°	188.9	157.8	135.2	123.9	115.2	109.1	105.1
-32.5°	193.2	161.7	138.3	124.8	115.8	109.4	105.1
-35°	197.5	165.2	141.2	125.6	116.4	109.6	105.1
-37.5°	201.3	168.3	143.7	126.3	116.9	109.9	105.1
-40°	204.4	171.3	146.0	126.9	117.4	110.1	105.1
-42.5°	206.8	173.8	147.9	127.8	117.8	110.3	105.1
-45°	208.3	175.8	149.7	129.1	118.2	110.5	105.1
-47.5°	209.1	177.2	151.2	130.3	118.5	110.7	105.1
-50°	209.9	178.2	152.4	131.4	118.8	110.9	105.1
-52.5°	210.1	178.6	153.4	132.4	119.0	111.0	105.1
-55°	209.5	179.0	154.0	133.3	119.2	111.2	105.1
-57.5°	208.3	179.1	154.3	134.0	119.4	111.3	105.1
-60°	206.5	178.7	154.4	134.6	119.5	111.4	105.1
-62.5°	205.0	177.9	154.7	135.1	119.6	111.5	105.1
-65°	202.9	176.8	154.8	135.4	119.6	111.6	105.1
-67.5°	200.4	175.7	154.7	135.5	119.5	111.6	105.1
-70°	197.3	174.9	154.3	135.5	119.5	111.6	105.1
-72.5°	195.2	173.7	153.8	135.5	119.4	111.6	105.1
-75°	192.9	172.3	153.1	135.3	119.2	111.6	105.1
-77.5°	190.3	170.7	152.3	135.0	119.0	111.6	105.1
-80°	187.4	169.0	151.4	134.6	118.8	111.6	105.1
-82.5°	184.6	167.2	150.3	134.1	118.6	111.6	105.1
-85°	181.6	165.2	149.1	133.5	118.3	111.5	105.1
-87.5°	178.5	163.0	147.8	132.8	117.9	111.4	105.1
-90°	95.9	97.8	99.6	101.5	103.4	104.2	105.1

(END OF REPORT)