

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: P1212190 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-57-70-5S-HEG**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212190 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-6)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: EPHESUS
Catalog Number: EPH-LS12-1000R-57-70-5S-HEG
Description: EPHESUS LS12 LUMINAIRE
(12) 5700K, 70 CRI LEDS AND 5S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

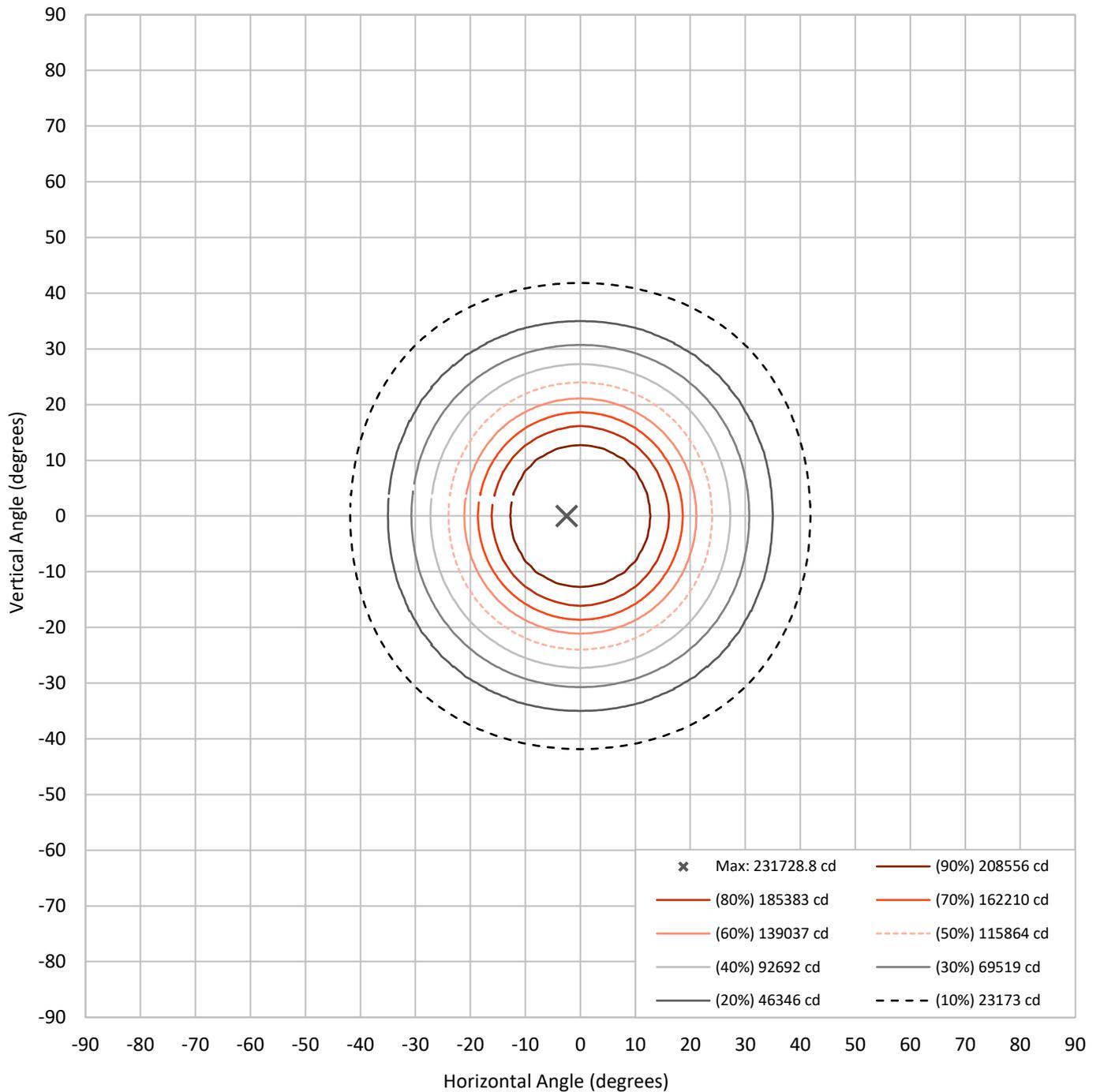
Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	169500.7 lumens	Max Intensity:	231728.8 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	162.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	48°H x 47.7°V	Field Angle (10%):	83.7°H x 83.6°V
Beam Lumens:	96105.8 lumens	Field Lumens:	157661.2 lumens
Beam Efficiency:	56.7%	Field Efficiency:	93.0%
Input Watts (W):	1041		
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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CATALOG NUMBER: EPH-LS12-1000R-57-70-5S-HEG

Iso-Candela Plot





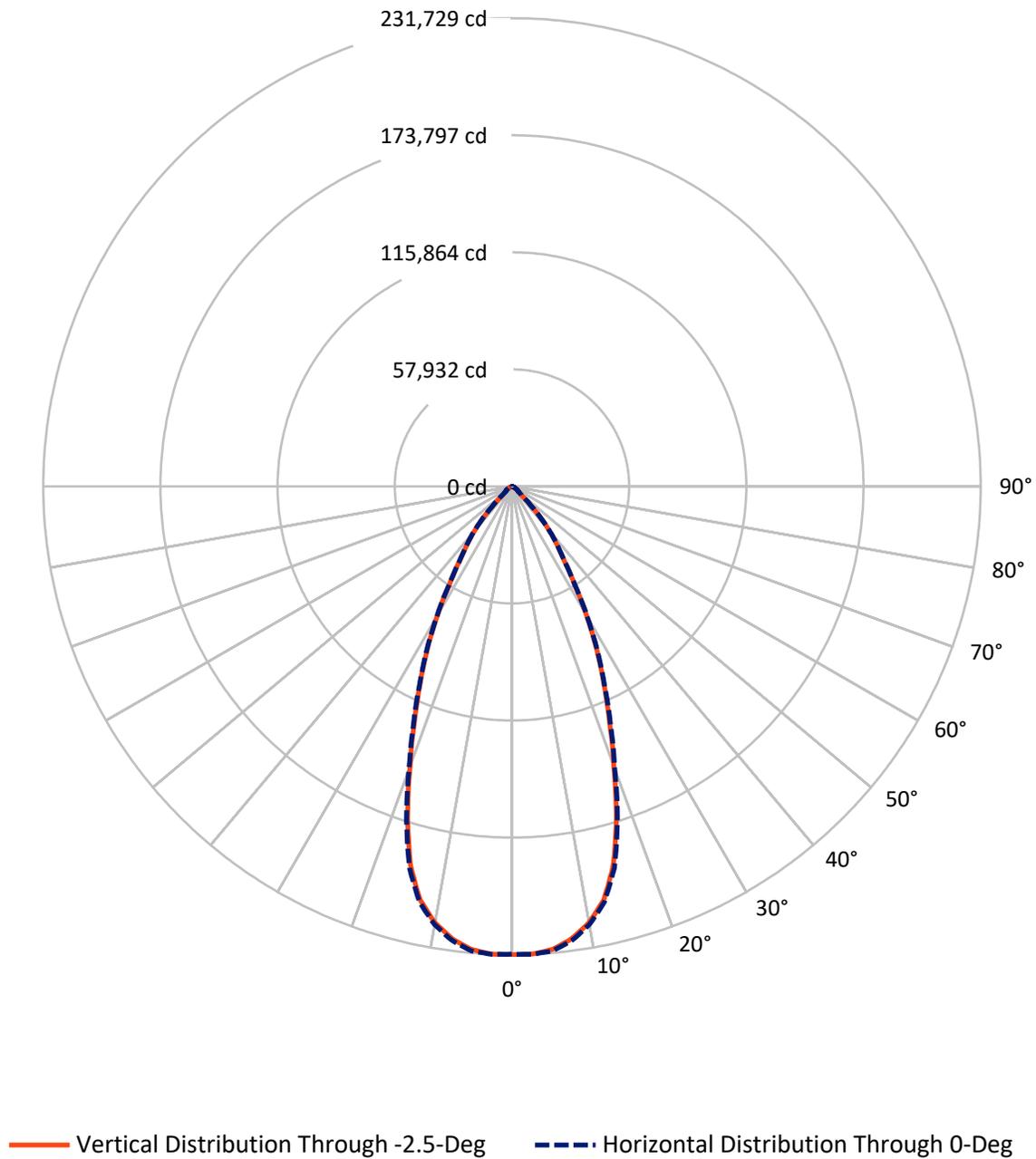
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Lumen Table

90																
80	0.2	1.1		4.7		11.7		15.2		11.7		4.7		1.1		0.2
70																
60	0.5	0.7	3.0	8.3	17.4	28.3	38.1	43.5	43.5	38.1	28.3	17.4	8.3	3.0	0.7	0.5
50		2.2	9.9	27.0	51.2	75.1	92.8	102.6	102.6	92.8	75.1	51.2	27.0	9.9	2.2	
40	1.6	5.1	22.1	53.2	87.5	151.4	293.5	413.4	413.4	293.5	151.4	87.5	53.2	22.1	5.1	1.6
30		9.3	36.3	75.7	203.3	617.3	1083.0	1403.7	1403.7	1083.0	617.3	203.3	75.7	36.3	9.3	
20	3.4	13.7	48.1	119.4	561.2	1341.4	2389.6	3177.8	3177.8	2389.6	1341.4	561.2	119.4	48.1	13.7	3.4
10		17.3	55.6	219.6	924.8	2248.6	4089.3	5547.9	5547.9	4089.3	2248.6	924.8	219.6	55.6	17.3	
0	4.2	19.2	59.6	300.8	1164.0	2902.9	5386.5	6799.9	6799.9	5386.5	2902.9	1164.0	300.8	59.6	19.2	4.2
-10		19.2	59.6	300.8	1164.0	2902.9	5386.5	6799.9	6799.9	5386.5	2902.9	1164.0	300.8	59.6	19.2	
-20	3.4	17.3	55.6	219.6	924.8	2248.6	4089.3	5547.9	5547.9	4089.3	2248.6	924.8	219.6	55.6	17.3	3.4
-30		13.7	48.1	119.4	561.2	1341.4	2389.6	3177.8	3177.8	2389.6	1341.4	561.2	119.4	48.1	13.7	
-40	1.6	9.3	36.3	75.7	203.3	617.3	1083.0	1403.7	1403.7	1083.0	617.3	203.3	75.7	36.3	9.3	1.6
-50		5.1	22.1	53.2	87.5	151.4	293.5	413.4	413.4	293.5	151.4	87.5	53.2	22.1	5.1	
-60	0.5	2.2	9.9	27.0	51.2	75.1	92.8	102.6	102.6	92.8	75.1	51.2	27.0	9.9	2.2	0.5
-70		0.7	3.0	8.3	17.4	28.3	38.1	43.5	43.5	38.1	28.3	17.4	8.3	3.0	0.7	
-80																
-90	0.2	1.1		4.7		11.7		15.2		11.7		4.7		1.1		0.2

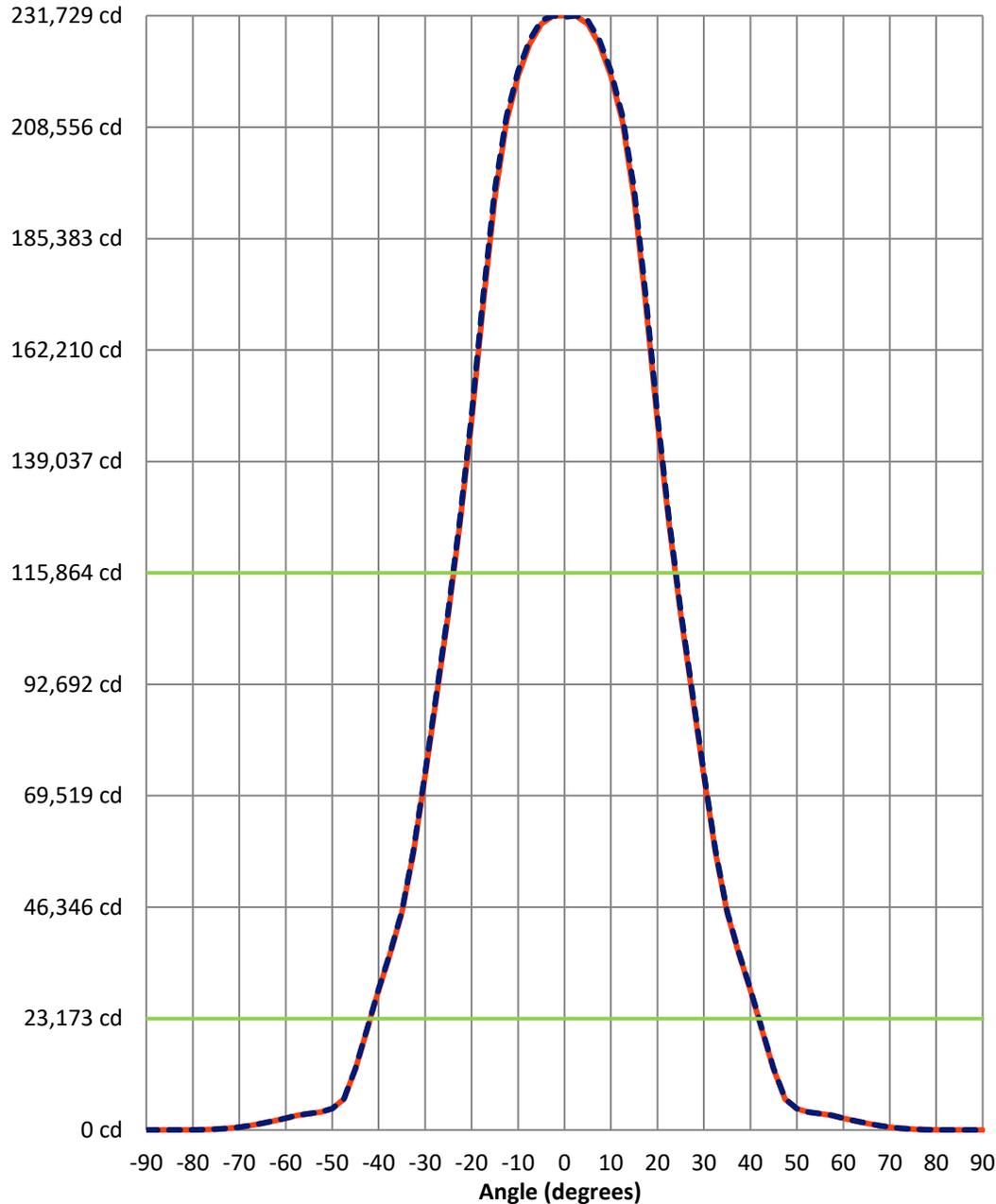
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 48°
 V Angle: 47.7°
 Lumens: 96105.8
 Efficiency: 56.7%

Field:
 H Angle: 83.7°
 V Angle: 83.6°
 Lumens: 157661.2
 Efficiency: 93.0%

Spill:
 Lumens: 11839.5
 Efficiency: 7.0%

- Vertical Distribution through -2.5-Deg
- - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.5	1.0	1.4	1.9	2.4	2.9	3.3	3.8	4.2	4.7
85°	0.0	1.0	1.9	2.9	3.9	4.8	5.7	6.7	7.6	8.5	9.4
82.5°	0.0	1.4	2.9	4.3	5.8	7.2	8.6	10.0	11.1	11.4	11.6
80°	0.0	1.9	3.9	5.8	7.7	9.6	11.2	11.5	11.8	12.1	12.5
77.5°	0.0	2.4	4.8	7.2	9.6	11.2	11.7	12.1	12.5	12.9	13.9
75°	0.0	2.9	5.7	8.6	11.2	11.7	12.2	12.7	13.4	15.3	17.2
72.5°	0.0	3.3	6.7	10.0	11.5	12.1	12.7	13.7	16.0	18.3	20.6
70°	0.0	3.8	7.6	11.1	11.8	12.5	13.4	16.0	18.7	21.4	28.4
67.5°	0.0	4.2	8.5	11.4	12.1	12.9	15.3	18.3	21.4	29.4	37.2
65°	0.0	4.7	9.4	11.6	12.5	13.9	17.2	20.6	28.4	37.2	48.6
62.5°	0.0	5.1	10.2	11.9	12.8	15.5	19.1	25.5	35.3	46.6	66.2
60°	0.0	5.5	11.1	12.1	13.1	17.0	21.0	31.4	42.0	62.1	83.3
57.5°	0.0	6.0	11.2	12.3	14.2	18.5	25.6	37.2	54.1	77.3	114.0
55°	0.0	6.4	11.4	12.5	15.4	20.0	30.4	42.8	67.3	96.1	150.5
52.5°	0.0	6.8	11.5	12.7	16.6	21.8	35.1	53.4	80.0	128.1	186.1
50°	0.0	7.1	11.7	13.0	17.7	25.6	39.6	64.2	96.9	159.1	240.0
47.5°	0.0	7.5	11.8	13.3	18.7	29.3	44.7	74.7	123.5	189.1	294.4
45°	0.0	7.8	11.9	14.1	19.8	32.8	53.3	84.7	149.2	235.9	346.9
42.5°	0.0	8.2	12.0	14.8	20.7	36.1	61.6	101.3	173.9	281.1	419.1
40°	0.0	8.5	12.2	15.5	22.5	39.3	69.5	121.8	202.2	324.5	491.8
37.5°	0.0	8.8	12.3	16.2	24.9	42.4	77.0	141.4	238.8	371.5	561.0
35°	0.0	9.1	12.4	16.8	27.2	47.3	84.1	159.9	273.4	430.4	638.8
32.5°	0.0	9.4	12.5	17.4	29.4	52.8	93.2	177.3	306.0	485.8	730.4
30°	0.0	9.6	12.6	17.9	31.4	58.0	107.1	196.0	336.5	537.8	816.3
27.5°	0.0	9.8	12.6	18.4	33.3	62.8	120.0	220.7	370.2	586.1	896.3
25°	0.0	10.1	12.7	18.9	35.0	67.2	131.9	243.4	409.5	644.5	970.8
22.5°	0.0	10.3	12.8	19.3	36.6	71.3	142.7	264.1	445.3	704.6	1054.9
20°	0.0	10.4	12.9	19.7	38.0	74.9	152.5	282.8	477.7	758.9	1130.7
17.5°	0.0	10.6	12.9	20.1	39.3	78.1	161.1	299.4	506.4	807.1	1198.2
15°	0.0	10.7	13.0	20.4	40.3	80.9	168.7	313.9	531.5	849.1	1257.1
12.5°	0.0	10.8	13.0	20.6	41.3	83.3	175.1	326.2	552.8	884.9	1307.3
10°	0.0	10.9	13.0	20.8	42.0	85.3	180.4	336.3	570.3	914.4	1348.5
7.5°	0.0	11.0	13.1	21.0	42.6	86.8	184.5	344.1	584.0	937.3	1380.7
5°	0.0	11.1	13.1	21.1	43.1	87.9	187.4	349.8	593.8	953.8	1403.8
2.5°	0.0	11.1	13.1	21.2	43.3	88.6	189.2	353.2	599.6	963.7	1417.7
0°	0.0	11.1	13.1	21.2	43.4	88.8	189.8	354.3	601.6	967.0	1422.3
-2.5°	0.0	11.1	13.1	21.2	43.3	88.6	189.2	353.2	599.6	963.7	1417.7
-5°	0.0	11.1	13.1	21.1	43.1	87.9	187.4	349.8	593.8	953.8	1403.8
-7.5°	0.0	11.0	13.1	21.0	42.6	86.8	184.5	344.1	584.0	937.3	1380.7
-10°	0.0	10.9	13.0	20.8	42.0	85.3	180.4	336.3	570.3	914.4	1348.5
-12.5°	0.0	10.8	13.0	20.6	41.3	83.3	175.1	326.2	552.8	884.9	1307.3
-15°	0.0	10.7	13.0	20.4	40.3	80.9	168.7	313.9	531.5	849.1	1257.1
-17.5°	0.0	10.6	12.9	20.1	39.3	78.1	161.1	299.4	506.4	807.1	1198.2
-20°	0.0	10.4	12.9	19.7	38.0	74.9	152.5	282.8	477.7	758.9	1130.7



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 CATALOG NUMBER: EPH-LS12-1000R-57-70-5S-HEG

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	10.3	12.8	19.3	36.6	71.3	142.7	264.1	445.3	704.6	1054.9
-25°	0.0	10.1	12.7	18.9	35.0	67.2	131.9	243.4	409.5	644.5	970.8
-27.5°	0.0	9.8	12.6	18.4	33.3	62.8	120.0	220.7	370.2	586.1	896.3
-30°	0.0	9.6	12.6	17.9	31.4	58.0	107.1	196.0	336.5	537.8	816.3
-32.5°	0.0	9.4	12.5	17.4	29.4	52.8	93.2	177.3	306.0	485.8	730.4
-35°	0.0	9.1	12.4	16.8	27.2	47.3	84.1	159.9	273.4	430.4	638.8
-37.5°	0.0	8.8	12.3	16.2	24.9	42.4	77.0	141.4	238.8	371.5	561.0
-40°	0.0	8.5	12.2	15.5	22.5	39.3	69.5	121.8	202.2	324.5	491.8
-42.5°	0.0	8.2	12.0	14.8	20.7	36.1	61.6	101.3	173.9	281.1	419.1
-45°	0.0	7.8	11.9	14.1	19.8	32.8	53.3	84.7	149.2	235.9	346.9
-47.5°	0.0	7.5	11.8	13.3	18.7	29.3	44.7	74.7	123.5	189.1	294.4
-50°	0.0	7.1	11.7	13.0	17.7	25.6	39.6	64.2	96.9	159.1	240.0
-52.5°	0.0	6.8	11.5	12.7	16.6	21.8	35.1	53.4	80.0	128.1	186.1
-55°	0.0	6.4	11.4	12.5	15.4	20.0	30.4	42.8	67.3	96.1	150.5
-57.5°	0.0	6.0	11.2	12.3	14.2	18.5	25.6	37.2	54.1	77.3	114.0
-60°	0.0	5.5	11.1	12.1	13.1	17.0	21.0	31.4	42.0	62.1	83.3
-62.5°	0.0	5.1	10.2	11.9	12.8	15.5	19.1	25.5	35.3	46.6	66.2
-65°	0.0	4.7	9.4	11.6	12.5	13.9	17.2	20.6	28.4	37.2	48.6
-67.5°	0.0	4.2	8.5	11.4	12.1	12.9	15.3	18.3	21.4	29.4	37.2
-70°	0.0	3.8	7.6	11.1	11.8	12.5	13.4	16.0	18.7	21.4	28.4
-72.5°	0.0	3.3	6.7	10.0	11.5	12.1	12.7	13.7	16.0	18.3	20.6
-75°	0.0	2.9	5.7	8.6	11.2	11.7	12.2	12.7	13.4	15.3	17.2
-77.5°	0.0	2.4	4.8	7.2	9.6	11.2	11.7	12.1	12.5	12.9	13.9
-80°	0.0	1.9	3.9	5.8	7.7	9.6	11.2	11.5	11.8	12.1	12.5
-82.5°	0.0	1.4	2.9	4.3	5.8	7.2	8.6	10.0	11.1	11.4	11.6
-85°	0.0	1.0	1.9	2.9	3.9	4.8	5.7	6.7	7.6	8.5	9.4
-87.5°	0.0	0.5	1.0	1.4	1.9	2.4	2.9	3.3	3.8	4.2	4.7
-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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 CATALOG NUMBER: EPH-LS12-1000R-57-70-5S-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.1	5.5	6.0	6.4	6.8	7.1	7.5	7.8	8.2	8.5	8.8
85°	10.2	11.1	11.2	11.4	11.5	11.7	11.8	11.9	12.0	12.2	12.3
82.5°	11.9	12.1	12.3	12.5	12.7	13.0	13.3	14.1	14.8	15.5	16.2
80°	12.8	13.1	14.2	15.4	16.6	17.7	18.7	19.8	20.7	22.5	24.9
77.5°	15.5	17.0	18.5	20.0	21.8	25.6	29.3	32.8	36.1	39.3	42.4
75°	19.1	21.0	25.6	30.4	35.1	39.6	44.7	53.3	61.6	69.5	77.0
72.5°	25.5	31.4	37.2	42.8	53.4	64.2	74.7	84.7	101.3	121.8	141.4
70°	35.3	42.0	54.1	67.3	80.0	96.9	123.5	149.2	173.9	202.2	238.8
67.5°	46.6	62.1	77.3	96.1	128.1	159.1	189.1	235.9	281.1	324.5	371.5
65°	66.2	83.3	114.0	150.5	186.1	240.0	294.4	346.9	419.1	491.8	561.0
62.5°	85.4	123.1	164.1	213.4	277.0	338.9	421.3	508.3	592.1	706.1	819.3
60°	123.1	168.7	228.2	299.4	376.2	477.7	576.1	704.6	840.1	970.8	1125.6
57.5°	164.1	228.2	306.9	398.8	511.8	631.5	789.3	942.0	1119.4	1295.7	1468.6
55°	213.4	299.4	398.8	523.2	665.4	840.5	1021.5	1227.0	1425.7	1635.5	1836.4
52.5°	277.0	376.2	511.8	665.4	857.7	1064.6	1292.1	1521.8	1756.4	1987.2	2221.4
50°	338.9	477.7	631.5	840.5	1064.6	1313.8	1570.1	1829.6	2093.6	2355.5	2624.7
47.5°	421.3	576.1	789.3	1021.5	1292.1	1570.1	1854.1	2147.2	2436.8	2747.6	3049.9
45°	508.3	704.6	942.0	1227.0	1521.8	1829.6	2147.2	2464.0	2809.6	3112.6	3294.6
42.5°	592.1	840.1	1119.4	1425.7	1756.4	2093.6	2436.8	2809.6	3130.4	3330.8	3519.2
40°	706.1	970.8	1295.7	1635.5	1987.2	2355.5	2747.6	3112.6	3330.8	3536.8	3732.3
37.5°	819.3	1125.6	1468.6	1836.4	2221.4	2624.7	3049.9	3294.6	3519.2	3732.3	4181.1
35°	926.8	1272.6	1645.0	2036.4	2444.9	2894.7	3222.9	3466.7	3696.5	4140.2	4897.1
32.5°	1043.4	1411.7	1812.0	2232.5	2680.9	3116.8	3378.6	3625.5	4018.5	4668.0	6071.4
30°	1162.1	1554.2	1972.8	2417.3	2905.6	3253.7	3520.7	3818.1	4377.5	5721.0	8754.5
27.5°	1272.6	1688.2	2131.3	2605.4	3096.7	3382.1	3652.5	4133.9	5145.1	7244.9	12126.0
25°	1374.8	1812.0	2278.1	2785.2	3207.0	3497.4	3816.4	4428.6	6015.4	10204.9	16016.2
22.5°	1472.8	1925.6	2412.5	2950.1	3308.3	3602.1	4068.7	5103.1	7575.6	12989.1	19825.4
20°	1565.6	2036.4	2542.9	3087.4	3400.2	3697.2	4298.3	5785.4	9910.4	16239.2	23361.0
17.5°	1648.2	2135.1	2664.8	3162.8	3479.2	3832.1	4562.7	6398.1	12011.5	19171.1	26576.0
15°	1720.3	2221.4	2771.4	3228.8	3547.9	3998.7	5060.0	7945.2	14169.0	21775.3	29420.0
12.5°	1781.8	2294.9	2862.4	3285.1	3606.5	4141.2	5486.1	9413.0	16226.9	24043.0	31678.0
10°	1832.4	2355.5	2937.3	3331.5	3654.9	4258.9	5838.4	10628.5	17933.5	25927.3	33558.3
7.5°	1871.9	2402.8	2995.9	3367.9	3692.8	4351.2	6114.9	11583.1	19275.8	27411.5	35042.3
5°	1900.2	2436.8	3038.0	3394.0	3720.0	4417.4	6313.6	12270.0	20242.7	28482.0	36114.2
2.5°	1917.2	2457.2	3063.3	3409.7	3736.4	4457.4	6433.4	12684.3	20826.1	29128.6	36762.3
0°	1922.9	2464.0	3071.7	3414.9	3741.9	4470.7	6473.4	12822.7	21021.2	29344.8	36979.1
-2.5°	1917.2	2457.2	3063.3	3409.7	3736.4	4457.4	6433.4	12684.3	20826.1	29128.6	36762.3
-5°	1900.2	2436.8	3038.0	3394.0	3720.0	4417.4	6313.6	12270.0	20242.7	28482.0	36114.2
-7.5°	1871.9	2402.8	2995.9	3367.9	3692.8	4351.2	6114.9	11583.1	19275.8	27411.5	35042.3
-10°	1832.4	2355.5	2937.3	3331.5	3654.9	4258.9	5838.4	10628.5	17933.5	25927.3	33558.3
-12.5°	1781.8	2294.9	2862.4	3285.1	3606.5	4141.2	5486.1	9413.0	16226.9	24043.0	31678.0
-15°	1720.3	2221.4	2771.4	3228.8	3547.9	3998.7	5060.0	7945.2	14169.0	21775.3	29420.0
-17.5°	1648.2	2135.1	2664.8	3162.8	3479.2	3832.1	4562.7	6398.1	12011.5	19171.1	26576.0
-20°	1565.6	2036.4	2542.9	3087.4	3400.2	3697.2	4298.3	5785.4	9910.4	16239.2	23361.0



REPORT NUMBER: P1212190 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-70-5S-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1472.8	1925.6	2412.5	2950.1	3308.3	3602.1	4068.7	5103.1	7575.6	12989.1	19825.4
-25°	1374.8	1812.0	2278.1	2785.2	3207.0	3497.4	3816.4	4428.6	6015.4	10204.9	16016.2
-27.5°	1272.6	1688.2	2131.3	2605.4	3096.7	3382.1	3652.5	4133.9	5145.1	7244.9	12126.0
-30°	1162.1	1554.2	1972.8	2417.3	2905.6	3253.7	3520.7	3818.1	4377.5	5721.0	8754.5
-32.5°	1043.4	1411.7	1812.0	2232.5	2680.9	3116.8	3378.6	3625.5	4018.5	4668.0	6071.4
-35°	926.8	1272.6	1645.0	2036.4	2444.9	2894.7	3222.9	3466.7	3696.5	4140.2	4897.1
-37.5°	819.3	1125.6	1468.6	1836.4	2221.4	2624.7	3049.9	3294.6	3519.2	3732.3	4181.1
-40°	706.1	970.8	1295.7	1635.5	1987.2	2355.5	2747.6	3112.6	3330.8	3536.8	3732.3
-42.5°	592.1	840.1	1119.4	1425.7	1756.4	2093.6	2436.8	2809.6	3130.4	3330.8	3519.2
-45°	508.3	704.6	942.0	1227.0	1521.8	1829.6	2147.2	2464.0	2809.6	3112.6	3294.6
-47.5°	421.3	576.1	789.3	1021.5	1292.1	1570.1	1854.1	2147.2	2436.8	2747.6	3049.9
-50°	338.9	477.7	631.5	840.5	1064.6	1313.8	1570.1	1829.6	2093.6	2355.5	2624.7
-52.5°	277.0	376.2	511.8	665.4	857.7	1064.6	1292.1	1521.8	1756.4	1987.2	2221.4
-55°	213.4	299.4	398.8	523.2	665.4	840.5	1021.5	1227.0	1425.7	1635.5	1836.4
-57.5°	164.1	228.2	306.9	398.8	511.8	631.5	789.3	942.0	1119.4	1295.7	1468.6
-60°	123.1	168.7	228.2	299.4	376.2	477.7	576.1	704.6	840.1	970.8	1125.6
-62.5°	85.4	123.1	164.1	213.4	277.0	338.9	421.3	508.3	592.1	706.1	819.3
-65°	66.2	83.3	114.0	150.5	186.1	240.0	294.4	346.9	419.1	491.8	561.0
-67.5°	46.6	62.1	77.3	96.1	128.1	159.1	189.1	235.9	281.1	324.5	371.5
-70°	35.3	42.0	54.1	67.3	80.0	96.9	123.5	149.2	173.9	202.2	238.8
-72.5°	25.5	31.4	37.2	42.8	53.4	64.2	74.7	84.7	101.3	121.8	141.4
-75°	19.1	21.0	25.6	30.4	35.1	39.6	44.7	53.3	61.6	69.5	77.0
-77.5°	15.5	17.0	18.5	20.0	21.8	25.6	29.3	32.8	36.1	39.3	42.4
-80°	12.8	13.1	14.2	15.4	16.6	17.7	18.7	19.8	20.7	22.5	24.9
-82.5°	11.9	12.1	12.3	12.5	12.7	13.0	13.3	14.1	14.8	15.5	16.2
-85°	10.2	11.1	11.2	11.4	11.5	11.7	11.8	11.9	12.0	12.2	12.3
-87.5°	5.1	5.5	6.0	6.4	6.8	7.1	7.5	7.8	8.2	8.5	8.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1212190 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-70-5S-HEG

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	9.1	9.4	9.6	9.8	10.1	10.3	10.4	10.6	10.7	10.8	10.9
85°	12.4	12.5	12.6	12.6	12.7	12.8	12.9	12.9	13.0	13.0	13.0
82.5°	16.8	17.4	17.9	18.4	18.9	19.3	19.7	20.1	20.4	20.6	20.8
80°	27.2	29.4	31.4	33.3	35.0	36.6	38.0	39.3	40.3	41.3	42.0
77.5°	47.3	52.8	58.0	62.8	67.2	71.3	74.9	78.1	80.9	83.3	85.3
75°	84.1	93.2	107.1	120.0	131.9	142.7	152.5	161.1	168.7	175.1	180.4
72.5°	159.9	177.3	196.0	220.7	243.4	264.1	282.8	299.4	313.9	326.2	336.3
70°	273.4	306.0	336.5	370.2	409.5	445.3	477.7	506.4	531.5	552.8	570.3
67.5°	430.4	485.8	537.8	586.1	644.5	704.6	758.9	807.1	849.1	884.9	914.4
65°	638.8	730.4	816.3	896.3	970.8	1054.9	1130.7	1198.2	1257.1	1307.3	1348.5
62.5°	926.8	1043.4	1162.1	1272.6	1374.8	1472.8	1565.6	1648.2	1720.3	1781.8	1832.4
60°	1272.6	1411.7	1554.2	1688.2	1812.0	1925.6	2036.4	2135.1	2221.4	2294.9	2355.5
57.5°	1645.0	1812.0	1972.8	2131.3	2278.1	2412.5	2542.9	2664.8	2771.4	2862.4	2937.3
55°	2036.4	2232.5	2417.3	2605.4	2785.2	2950.1	3087.4	3162.8	3228.8	3285.1	3331.5
52.5°	2444.9	2680.9	2905.6	3096.7	3207.0	3308.3	3400.2	3479.2	3547.9	3606.5	3654.9
50°	2894.7	3116.8	3253.7	3382.1	3497.4	3602.1	3697.2	3832.1	3998.7	4141.2	4258.9
47.5°	3222.9	3378.6	3520.7	3652.5	3816.4	4068.7	4298.3	4562.7	5060.0	5486.1	5838.4
45°	3466.7	3625.5	3818.1	4133.9	4428.6	5103.1	5785.4	6398.1	7945.2	9413.0	10628.5
42.5°	3696.5	4018.5	4377.5	5145.1	6015.4	7575.6	9910.4	12011.5	14169.0	16226.9	17933.5
40°	4140.2	4668.0	5721.0	7244.9	10204.9	12989.1	16239.2	19171.1	21775.3	24043.0	25927.3
37.5°	4897.1	6071.4	8754.5	12126.0	16016.2	19825.4	23361.0	26576.0	29420.0	31678.0	33558.3
35°	6189.1	9517.7	13434.8	18075.8	22474.8	26623.7	30357.2	33541.1	36373.1	39041.8	41329.2
32.5°	9517.7	13942.7	19118.5	24103.7	28849.3	32968.5	36742.3	40554.0	43981.5	47667.4	51375.0
30°	13434.8	19118.5	24651.5	29925.6	34567.0	39161.7	43693.4	48973.0	54496.0	59622.4	64762.6
27.5°	18075.8	24103.7	29925.6	35105.2	40405.5	45677.3	52913.5	59939.9	67543.0	74212.1	80133.1
25°	22474.8	28849.3	34567.0	40405.5	46643.6	54921.9	63905.4	73019.6	81642.0	89306.1	95848.6
22.5°	26623.7	32968.5	39161.7	45677.3	54921.9	65246.1	75902.6	86251.0	95727.9	104179.9	111801.8
20°	30357.2	36742.3	43693.4	52913.5	63905.4	75902.6	87814.2	99037.3	109537.6	119915.0	129122.4
17.5°	33541.1	40554.0	48973.0	59939.9	73019.6	86251.0	99037.3	111521.1	124121.3	136709.9	148072.8
15°	36373.1	43981.5	54496.0	67543.0	81642.0	95727.9	109537.6	124121.3	139312.4	154338.7	168842.7
12.5°	39041.8	47667.4	59622.4	74212.1	89306.1	104179.9	119915.0	136709.9	154338.7	172365.4	187092.5
10°	41329.2	51375.0	64762.6	80133.1	95848.6	111801.8	129122.4	148072.8	168842.7	187092.5	201972.9
7.5°	43138.5	54315.8	68853.5	84866.5	101114.7	118343.3	137449.6	158683.6	180230.5	198824.8	210873.3
5°	44447.7	56448.5	71828.5	88320.6	104974.6	123165.9	143636.2	166721.5	188552.7	205890.5	216275.3
2.5°	45240.2	57741.5	73635.6	90424.0	107332.6	126124.6	147453.7	171722.1	193792.5	209641.1	219204.9
0°	45505.6	58174.8	74241.8	91130.4	108125.9	127122.2	148745.0	173421.2	195585.0	210767.3	220203.8
-2.5°	45240.2	57741.5	73635.6	90424.0	107332.6	126124.6	147453.7	171722.1	193792.5	209641.1	219204.9
-5°	44447.7	56448.5	71828.5	88320.6	104974.6	123165.9	143636.2	166721.5	188552.7	205890.5	216275.3
-7.5°	43138.5	54315.8	68853.5	84866.5	101114.7	118343.3	137449.6	158683.6	180230.5	198824.8	210873.3
-10°	41329.2	51375.0	64762.6	80133.1	95848.6	111801.8	129122.4	148072.8	168842.7	187092.5	201972.9
-12.5°	39041.8	47667.4	59622.4	74212.1	89306.1	104179.9	119915.0	136709.9	154338.7	172365.4	187092.5
-15°	36373.1	43981.5	54496.0	67543.0	81642.0	95727.9	109537.6	124121.3	139312.4	154338.7	168842.7
-17.5°	33541.1	40554.0	48973.0	59939.9	73019.6	86251.0	99037.3	111521.1	124121.3	136709.9	148072.8
-20°	30357.2	36742.3	43693.4	52913.5	63905.4	75902.6	87814.2	99037.3	109537.6	119915.0	129122.4



REPORT NUMBER: P1212190 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-1000R-57-70-5S-HEG

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	26623.7	32968.5	39161.7	45677.3	54921.9	65246.1	75902.6	86251.0	95727.9	104179.9	111801.8
-25°	22474.8	28849.3	34567.0	40405.5	46643.6	54921.9	63905.4	73019.6	81642.0	89306.1	95848.6
-27.5°	18075.8	24103.7	29925.6	35105.2	40405.5	45677.3	52913.5	59939.9	67543.0	74212.1	80133.1
-30°	13434.8	19118.5	24651.5	29925.6	34567.0	39161.7	43693.4	48973.0	54496.0	59622.4	64762.6
-32.5°	9517.7	13942.7	19118.5	24103.7	28849.3	32968.5	36742.3	40554.0	43981.5	47667.4	51375.0
-35°	6189.1	9517.7	13434.8	18075.8	22474.8	26623.7	30357.2	33541.1	36373.1	39041.8	41329.2
-37.5°	4897.1	6071.4	8754.5	12126.0	16016.2	19825.4	23361.0	26576.0	29420.0	31678.0	33558.3
-40°	4140.2	4668.0	5721.0	7244.9	10204.9	12989.1	16239.2	19171.1	21775.3	24043.0	25927.3
-42.5°	3696.5	4018.5	4377.5	5145.1	6015.4	7575.6	9910.4	12011.5	14169.0	16226.9	17933.5
-45°	3466.7	3625.5	3818.1	4133.9	4428.6	5103.1	5785.4	6398.1	7945.2	9413.0	10628.5
-47.5°	3222.9	3378.6	3520.7	3652.5	3816.4	4068.7	4298.3	4562.7	5060.0	5486.1	5838.4
-50°	2894.7	3116.8	3253.7	3382.1	3497.4	3602.1	3697.2	3832.1	3998.7	4141.2	4258.9
-52.5°	2444.9	2680.9	2905.6	3096.7	3207.0	3308.3	3400.2	3479.2	3547.9	3606.5	3654.9
-55°	2036.4	2232.5	2417.3	2605.4	2785.2	2950.1	3087.4	3162.8	3228.8	3285.1	3331.5
-57.5°	1645.0	1812.0	1972.8	2131.3	2278.1	2412.5	2542.9	2664.8	2771.4	2862.4	2937.3
-60°	1272.6	1411.7	1554.2	1688.2	1812.0	1925.6	2036.4	2135.1	2221.4	2294.9	2355.5
-62.5°	926.8	1043.4	1162.1	1272.6	1374.8	1472.8	1565.6	1648.2	1720.3	1781.8	1832.4
-65°	638.8	730.4	816.3	896.3	970.8	1054.9	1130.7	1198.2	1257.1	1307.3	1348.5
-67.5°	430.4	485.8	537.8	586.1	644.5	704.6	758.9	807.1	849.1	884.9	914.4
-70°	273.4	306.0	336.5	370.2	409.5	445.3	477.7	506.4	531.5	552.8	570.3
-72.5°	159.9	177.3	196.0	220.7	243.4	264.1	282.8	299.4	313.9	326.2	336.3
-75°	84.1	93.2	107.1	120.0	131.9	142.7	152.5	161.1	168.7	175.1	180.4
-77.5°	47.3	52.8	58.0	62.8	67.2	71.3	74.9	78.1	80.9	83.3	85.3
-80°	27.2	29.4	31.4	33.3	35.0	36.6	38.0	39.3	40.3	41.3	42.0
-82.5°	16.8	17.4	17.9	18.4	18.9	19.3	19.7	20.1	20.4	20.6	20.8
-85°	12.4	12.5	12.6	12.6	12.7	12.8	12.9	12.9	13.0	13.0	13.0
-87.5°	9.1	9.4	9.6	9.8	10.1	10.3	10.4	10.6	10.7	10.8	10.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1212190 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-70-5S-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.0	11.1	11.1	11.1	11.1	11.1	11.0	10.9	10.8	10.7	10.6
85°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.0	13.0	13.0	12.9
82.5°	21.0	21.1	21.2	21.2	21.2	21.1	21.0	20.8	20.6	20.4	20.1
80°	42.6	43.1	43.3	43.4	43.3	43.1	42.6	42.0	41.3	40.3	39.3
77.5°	86.8	87.9	88.6	88.8	88.6	87.9	86.8	85.3	83.3	80.9	78.1
75°	184.5	187.4	189.2	189.8	189.2	187.4	184.5	180.4	175.1	168.7	161.1
72.5°	344.1	349.8	353.2	354.3	353.2	349.8	344.1	336.3	326.2	313.9	299.4
70°	584.0	593.8	599.6	601.6	599.6	593.8	584.0	570.3	552.8	531.5	506.4
67.5°	937.3	953.8	963.7	967.0	963.7	953.8	937.3	914.4	884.9	849.1	807.1
65°	1380.7	1403.8	1417.7	1422.3	1417.7	1403.8	1380.7	1348.5	1307.3	1257.1	1198.2
62.5°	1871.9	1900.2	1917.2	1922.9	1917.2	1900.2	1871.9	1832.4	1781.8	1720.3	1648.2
60°	2402.8	2436.8	2457.2	2464.0	2457.2	2436.8	2402.8	2355.5	2294.9	2221.4	2135.1
57.5°	2995.9	3038.0	3063.3	3071.7	3063.3	3038.0	2995.9	2937.3	2862.4	2771.4	2664.8
55°	3367.9	3394.0	3409.7	3414.9	3409.7	3394.0	3367.9	3331.5	3285.1	3228.8	3162.8
52.5°	3692.8	3720.0	3736.4	3741.9	3736.4	3720.0	3692.8	3654.9	3606.5	3547.9	3479.2
50°	4351.2	4417.4	4457.4	4470.7	4457.4	4417.4	4351.2	4258.9	4141.2	3998.7	3832.1
47.5°	6114.9	6313.6	6433.4	6473.4	6433.4	6313.6	6114.9	5838.4	5486.1	5060.0	4562.7
45°	11583.1	12270.0	12684.3	12822.7	12684.3	12270.0	11583.1	10628.5	9413.0	7945.2	6398.1
42.5°	19275.8	20242.7	20826.1	21021.2	20826.1	20242.7	19275.8	17933.5	16226.9	14169.0	12011.5
40°	27411.5	28482.0	29128.6	29344.8	29128.6	28482.0	27411.5	25927.3	24043.0	21775.3	19171.1
37.5°	35042.3	36114.2	36762.3	36979.1	36762.3	36114.2	35042.3	33558.3	31678.0	29420.0	26576.0
35°	43138.5	44447.7	45240.2	45505.6	45240.2	44447.7	43138.5	41329.2	39041.8	36373.1	33541.1
32.5°	54315.8	56448.5	57741.5	58174.8	57741.5	56448.5	54315.8	51375.0	47667.4	43981.5	40554.0
30°	68853.5	71828.5	73635.6	74241.8	73635.6	71828.5	68853.5	64762.6	59622.4	54496.0	48973.0
27.5°	84866.5	88320.6	90424.0	91130.4	90424.0	88320.6	84866.5	80133.1	74212.1	67543.0	59939.9
25°	101114.7	104974.6	107332.6	108125.9	107332.6	104974.6	101114.7	95848.6	89306.1	81642.0	73019.6
22.5°	118343.3	123165.9	126124.6	127122.2	126124.6	123165.9	118343.3	111801.8	104179.9	95727.9	86251.0
20°	137449.6	143636.2	147453.7	148745.0	147453.7	143636.2	137449.6	129122.4	119915.0	109537.6	99037.3
17.5°	158683.6	166721.5	171722.1	173421.2	171722.1	166721.5	158683.6	148072.8	136709.9	124121.3	111521.1
15°	180230.5	188552.7	193792.5	195585.0	193792.5	188552.7	180230.5	168842.7	154338.7	139312.4	124121.3
12.5°	198824.8	205890.5	209641.1	210767.3	209641.1	205890.5	198824.8	187092.5	172365.4	154338.7	136709.9
10°	210873.3	216275.3	219204.9	220203.8	219204.9	216275.3	210873.3	201972.9	187092.5	168842.7	148072.8
7.5°	218264.8	223153.9	225824.3	226710.5	225824.3	223153.9	218264.8	210873.3	198824.8	180230.5	158683.6
5°	223153.9	227662.5	229997.1	230754.2	229997.1	227662.5	223153.9	216275.3	205890.5	188552.7	166721.5
2.5°	225824.3	229997.1	231684.6	231728.8	231684.6	229997.1	225824.3	219204.9	209641.1	193792.5	171722.1
0°	226710.5	230754.2	231728.8	231447.7	231728.8	230754.2	226710.5	220203.8	210767.3	195585.0	173421.2
-2.5°	225824.3	229997.1	231684.6	231728.8	231684.6	229997.1	225824.3	219204.9	209641.1	193792.5	171722.1
-5°	223153.9	227662.5	229997.1	230754.2	229997.1	227662.5	223153.9	216275.3	205890.5	188552.7	166721.5
-7.5°	218264.8	223153.9	225824.3	226710.5	225824.3	223153.9	218264.8	210873.3	198824.8	180230.5	158683.6
-10°	210873.3	216275.3	219204.9	220203.8	219204.9	216275.3	210873.3	201972.9	187092.5	168842.7	148072.8
-12.5°	198824.8	205890.5	209641.1	210767.3	209641.1	205890.5	198824.8	187092.5	172365.4	154338.7	136709.9
-15°	180230.5	188552.7	193792.5	195585.0	193792.5	188552.7	180230.5	168842.7	154338.7	139312.4	124121.3
-17.5°	158683.6	166721.5	171722.1	173421.2	171722.1	166721.5	158683.6	148072.8	136709.9	124121.3	111521.1
-20°	137449.6	143636.2	147453.7	148745.0	147453.7	143636.2	137449.6	129122.4	119915.0	109537.6	99037.3



REPORT NUMBER: P1212190 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-70-5S-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	118343.3	123165.9	126124.6	127122.2	126124.6	123165.9	118343.3	111801.8	104179.9	95727.9	86251.0
-25°	101114.7	104974.6	107332.6	108125.9	107332.6	104974.6	101114.7	95848.6	89306.1	81642.0	73019.6
-27.5°	84866.5	88320.6	90424.0	91130.4	90424.0	88320.6	84866.5	80133.1	74212.1	67543.0	59939.9
-30°	68853.5	71828.5	73635.6	74241.8	73635.6	71828.5	68853.5	64762.6	59622.4	54496.0	48973.0
-32.5°	54315.8	56448.5	57741.5	58174.8	57741.5	56448.5	54315.8	51375.0	47667.4	43981.5	40554.0
-35°	43138.5	44447.7	45240.2	45505.6	45240.2	44447.7	43138.5	41329.2	39041.8	36373.1	33541.1
-37.5°	35042.3	36114.2	36762.3	36979.1	36762.3	36114.2	35042.3	33558.3	31678.0	29420.0	26576.0
-40°	27411.5	28482.0	29128.6	29344.8	29128.6	28482.0	27411.5	25927.3	24043.0	21775.3	19171.1
-42.5°	19275.8	20242.7	20826.1	21021.2	20826.1	20242.7	19275.8	17933.5	16226.9	14169.0	12011.5
-45°	11583.1	12270.0	12684.3	12822.7	12684.3	12270.0	11583.1	10628.5	9413.0	7945.2	6398.1
-47.5°	6114.9	6313.6	6433.4	6473.4	6433.4	6313.6	6114.9	5838.4	5486.1	5060.0	4562.7
-50°	4351.2	4417.4	4457.4	4470.7	4457.4	4417.4	4351.2	4258.9	4141.2	3998.7	3832.1
-52.5°	3692.8	3720.0	3736.4	3741.9	3736.4	3720.0	3692.8	3654.9	3606.5	3547.9	3479.2
-55°	3367.9	3394.0	3409.7	3414.9	3409.7	3394.0	3367.9	3331.5	3285.1	3228.8	3162.8
-57.5°	2995.9	3038.0	3063.3	3071.7	3063.3	3038.0	2995.9	2937.3	2862.4	2771.4	2664.8
-60°	2402.8	2436.8	2457.2	2464.0	2457.2	2436.8	2402.8	2355.5	2294.9	2221.4	2135.1
-62.5°	1871.9	1900.2	1917.2	1922.9	1917.2	1900.2	1871.9	1832.4	1781.8	1720.3	1648.2
-65°	1380.7	1403.8	1417.7	1422.3	1417.7	1403.8	1380.7	1348.5	1307.3	1257.1	1198.2
-67.5°	937.3	953.8	963.7	967.0	963.7	953.8	937.3	914.4	884.9	849.1	807.1
-70°	584.0	593.8	599.6	601.6	599.6	593.8	584.0	570.3	552.8	531.5	506.4
-72.5°	344.1	349.8	353.2	354.3	353.2	349.8	344.1	336.3	326.2	313.9	299.4
-75°	184.5	187.4	189.2	189.8	189.2	187.4	184.5	180.4	175.1	168.7	161.1
-77.5°	86.8	87.9	88.6	88.8	88.6	87.9	86.8	85.3	83.3	80.9	78.1
-80°	42.6	43.1	43.3	43.4	43.3	43.1	42.6	42.0	41.3	40.3	39.3
-82.5°	21.0	21.1	21.2	21.2	21.2	21.1	21.0	20.8	20.6	20.4	20.1
-85°	13.1	13.1	13.1	13.1	13.1	13.1	13.1	13.0	13.0	13.0	12.9
-87.5°	11.0	11.1	11.1	11.1	11.1	11.1	11.0	10.9	10.8	10.7	10.6
-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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.4	10.3	10.1	9.8	9.6	9.4	9.1	8.8	8.5	8.2	7.8
85°	12.9	12.8	12.7	12.6	12.6	12.5	12.4	12.3	12.2	12.0	11.9
82.5°	19.7	19.3	18.9	18.4	17.9	17.4	16.8	16.2	15.5	14.8	14.1
80°	38.0	36.6	35.0	33.3	31.4	29.4	27.2	24.9	22.5	20.7	19.8
77.5°	74.9	71.3	67.2	62.8	58.0	52.8	47.3	42.4	39.3	36.1	32.8
75°	152.5	142.7	131.9	120.0	107.1	93.2	84.1	77.0	69.5	61.6	53.3
72.5°	282.8	264.1	243.4	220.7	196.0	177.3	159.9	141.4	121.8	101.3	84.7
70°	477.7	445.3	409.5	370.2	336.5	306.0	273.4	238.8	202.2	173.9	149.2
67.5°	758.9	704.6	644.5	586.1	537.8	485.8	430.4	371.5	324.5	281.1	235.9
65°	1130.7	1054.9	970.8	896.3	816.3	730.4	638.8	561.0	491.8	419.1	346.9
62.5°	1565.6	1472.8	1374.8	1272.6	1162.1	1043.4	926.8	819.3	706.1	592.1	508.3
60°	2036.4	1925.6	1812.0	1688.2	1554.2	1411.7	1272.6	1125.6	970.8	840.1	704.6
57.5°	2542.9	2412.5	2278.1	2131.3	1972.8	1812.0	1645.0	1468.6	1295.7	1119.4	942.0
55°	3087.4	2950.1	2785.2	2605.4	2417.3	2232.5	2036.4	1836.4	1635.5	1425.7	1227.0
52.5°	3400.2	3308.3	3207.0	3096.7	2905.6	2680.9	2444.9	2221.4	1987.2	1756.4	1521.8
50°	3697.2	3602.1	3497.4	3382.1	3253.7	3116.8	2894.7	2624.7	2355.5	2093.6	1829.6
47.5°	4298.3	4068.7	3816.4	3652.5	3520.7	3378.6	3222.9	3049.9	2747.6	2436.8	2147.2
45°	5785.4	5103.1	4428.6	4133.9	3818.1	3625.5	3466.7	3294.6	3112.6	2809.6	2464.0
42.5°	9910.4	7575.6	6015.4	5145.1	4377.5	4018.5	3696.5	3519.2	3330.8	3130.4	2809.6
40°	16239.2	12989.1	10204.9	7244.9	5721.0	4668.0	4140.2	3732.3	3536.8	3330.8	3112.6
37.5°	23361.0	19825.4	16016.2	12126.0	8754.5	6071.4	4897.1	4181.1	3732.3	3519.2	3294.6
35°	30357.2	26623.7	22474.8	18075.8	13434.8	9517.7	6189.1	4897.1	4140.2	3696.5	3466.7
32.5°	36742.3	32968.5	28849.3	24103.7	19118.5	13942.7	9517.7	6071.4	4668.0	4018.5	3625.5
30°	43693.4	39161.7	34567.0	29925.6	24651.5	19118.5	13434.8	8754.5	5721.0	4377.5	3818.1
27.5°	52913.5	45677.3	40405.5	35105.2	29925.6	24103.7	18075.8	12126.0	7244.9	5145.1	4133.9
25°	63905.4	54921.9	46643.6	40405.5	34567.0	28849.3	22474.8	16016.2	10204.9	6015.4	4428.6
22.5°	75902.6	65246.1	54921.9	45677.3	39161.7	32968.5	26623.7	19825.4	12989.1	7575.6	5103.1
20°	87814.2	75902.6	63905.4	52913.5	43693.4	36742.3	30357.2	23361.0	16239.2	9910.4	5785.4
17.5°	99037.3	86251.0	73019.6	59939.9	48973.0	40554.0	33541.1	26576.0	19171.1	12011.5	6398.1
15°	109537.6	95727.9	81642.0	67543.0	54496.0	43981.5	36373.1	29420.0	21775.3	14169.0	7945.2
12.5°	119915.0	104179.9	89306.1	74212.1	59622.4	47667.4	39041.8	31678.0	24043.0	16226.9	9413.0
10°	129122.4	111801.8	95848.6	80133.1	64762.6	51375.0	41329.2	33558.3	25927.3	17933.5	10628.5
7.5°	137449.6	118343.3	101114.7	84866.5	68853.5	54315.8	43138.5	35042.3	27411.5	19275.8	11583.1
5°	143636.2	123165.9	104974.6	88320.6	71828.5	56448.5	44447.7	36114.2	28482.0	20242.7	12270.0
2.5°	147453.7	126124.6	107332.6	90424.0	73635.6	57741.5	45240.2	36762.3	29128.6	20826.1	12684.3
0°	148745.0	127122.2	108125.9	91130.4	74241.8	58174.8	45505.6	36979.1	29344.8	21021.2	12822.7
-2.5°	147453.7	126124.6	107332.6	90424.0	73635.6	57741.5	45240.2	36762.3	29128.6	20826.1	12684.3
-5°	143636.2	123165.9	104974.6	88320.6	71828.5	56448.5	44447.7	36114.2	28482.0	20242.7	12270.0
-7.5°	137449.6	118343.3	101114.7	84866.5	68853.5	54315.8	43138.5	35042.3	27411.5	19275.8	11583.1
-10°	129122.4	111801.8	95848.6	80133.1	64762.6	51375.0	41329.2	33558.3	25927.3	17933.5	10628.5
-12.5°	119915.0	104179.9	89306.1	74212.1	59622.4	47667.4	39041.8	31678.0	24043.0	16226.9	9413.0
-15°	109537.6	95727.9	81642.0	67543.0	54496.0	43981.5	36373.1	29420.0	21775.3	14169.0	7945.2
-17.5°	99037.3	86251.0	73019.6	59939.9	48973.0	40554.0	33541.1	26576.0	19171.1	12011.5	6398.1
-20°	87814.2	75902.6	63905.4	52913.5	43693.4	36742.3	30357.2	23361.0	16239.2	9910.4	5785.4



REPORT NUMBER: P1212190 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-70-5S-HEG

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	75902.6	65246.1	54921.9	45677.3	39161.7	32968.5	26623.7	19825.4	12989.1	7575.6	5103.1
-25°	63905.4	54921.9	46643.6	40405.5	34567.0	28849.3	22474.8	16016.2	10204.9	6015.4	4428.6
-27.5°	52913.5	45677.3	40405.5	35105.2	29925.6	24103.7	18075.8	12126.0	7244.9	5145.1	4133.9
-30°	43693.4	39161.7	34567.0	29925.6	24651.5	19118.5	13434.8	8754.5	5721.0	4377.5	3818.1
-32.5°	36742.3	32968.5	28849.3	24103.7	19118.5	13942.7	9517.7	6071.4	4668.0	4018.5	3625.5
-35°	30357.2	26623.7	22474.8	18075.8	13434.8	9517.7	6189.1	4897.1	4140.2	3696.5	3466.7
-37.5°	23361.0	19825.4	16016.2	12126.0	8754.5	6071.4	4897.1	4181.1	3732.3	3519.2	3294.6
-40°	16239.2	12989.1	10204.9	7244.9	5721.0	4668.0	4140.2	3732.3	3536.8	3330.8	3112.6
-42.5°	9910.4	7575.6	6015.4	5145.1	4377.5	4018.5	3696.5	3519.2	3330.8	3130.4	2809.6
-45°	5785.4	5103.1	4428.6	4133.9	3818.1	3625.5	3466.7	3294.6	3112.6	2809.6	2464.0
-47.5°	4298.3	4068.7	3816.4	3652.5	3520.7	3378.6	3222.9	3049.9	2747.6	2436.8	2147.2
-50°	3697.2	3602.1	3497.4	3382.1	3253.7	3116.8	2894.7	2624.7	2355.5	2093.6	1829.6
-52.5°	3400.2	3308.3	3207.0	3096.7	2905.6	2680.9	2444.9	2221.4	1987.2	1756.4	1521.8
-55°	3087.4	2950.1	2785.2	2605.4	2417.3	2232.5	2036.4	1836.4	1635.5	1425.7	1227.0
-57.5°	2542.9	2412.5	2278.1	2131.3	1972.8	1812.0	1645.0	1468.6	1295.7	1119.4	942.0
-60°	2036.4	1925.6	1812.0	1688.2	1554.2	1411.7	1272.6	1125.6	970.8	840.1	704.6
-62.5°	1565.6	1472.8	1374.8	1272.6	1162.1	1043.4	926.8	819.3	706.1	592.1	508.3
-65°	1130.7	1054.9	970.8	896.3	816.3	730.4	638.8	561.0	491.8	419.1	346.9
-67.5°	758.9	704.6	644.5	586.1	537.8	485.8	430.4	371.5	324.5	281.1	235.9
-70°	477.7	445.3	409.5	370.2	336.5	306.0	273.4	238.8	202.2	173.9	149.2
-72.5°	282.8	264.1	243.4	220.7	196.0	177.3	159.9	141.4	121.8	101.3	84.7
-75°	152.5	142.7	131.9	120.0	107.1	93.2	84.1	77.0	69.5	61.6	53.3
-77.5°	74.9	71.3	67.2	62.8	58.0	52.8	47.3	42.4	39.3	36.1	32.8
-80°	38.0	36.6	35.0	33.3	31.4	29.4	27.2	24.9	22.5	20.7	19.8
-82.5°	19.7	19.3	18.9	18.4	17.9	17.4	16.8	16.2	15.5	14.8	14.1
-85°	12.9	12.8	12.7	12.6	12.6	12.5	12.4	12.3	12.2	12.0	11.9
-87.5°	10.4	10.3	10.1	9.8	9.6	9.4	9.1	8.8	8.5	8.2	7.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1212190 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-70-5S-HEG

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.5	7.1	6.8	6.4	6.0	5.5	5.1	4.7	4.2	3.8	3.3
85°	11.8	11.7	11.5	11.4	11.2	11.1	10.2	9.4	8.5	7.6	6.7
82.5°	13.3	13.0	12.7	12.5	12.3	12.1	11.9	11.6	11.4	11.1	10.0
80°	18.7	17.7	16.6	15.4	14.2	13.1	12.8	12.5	12.1	11.8	11.5
77.5°	29.3	25.6	21.8	20.0	18.5	17.0	15.5	13.9	12.9	12.5	12.1
75°	44.7	39.6	35.1	30.4	25.6	21.0	19.1	17.2	15.3	13.4	12.7
72.5°	74.7	64.2	53.4	42.8	37.2	31.4	25.5	20.6	18.3	16.0	13.7
70°	123.5	96.9	80.0	67.3	54.1	42.0	35.3	28.4	21.4	18.7	16.0
67.5°	189.1	159.1	128.1	96.1	77.3	62.1	46.6	37.2	29.4	21.4	18.3
65°	294.4	240.0	186.1	150.5	114.0	83.3	66.2	48.6	37.2	28.4	20.6
62.5°	421.3	338.9	277.0	213.4	164.1	123.1	85.4	66.2	46.6	35.3	25.5
60°	576.1	477.7	376.2	299.4	228.2	168.7	123.1	83.3	62.1	42.0	31.4
57.5°	789.3	631.5	511.8	398.8	306.9	228.2	164.1	114.0	77.3	54.1	37.2
55°	1021.5	840.5	665.4	523.2	398.8	299.4	213.4	150.5	96.1	67.3	42.8
52.5°	1292.1	1064.6	857.7	665.4	511.8	376.2	277.0	186.1	128.1	80.0	53.4
50°	1570.1	1313.8	1064.6	840.5	631.5	477.7	338.9	240.0	159.1	96.9	64.2
47.5°	1854.1	1570.1	1292.1	1021.5	789.3	576.1	421.3	294.4	189.1	123.5	74.7
45°	2147.2	1829.6	1521.8	1227.0	942.0	704.6	508.3	346.9	235.9	149.2	84.7
42.5°	2436.8	2093.6	1756.4	1425.7	1119.4	840.1	592.1	419.1	281.1	173.9	101.3
40°	2747.6	2355.5	1987.2	1635.5	1295.7	970.8	706.1	491.8	324.5	202.2	121.8
37.5°	3049.9	2624.7	2221.4	1836.4	1468.6	1125.6	819.3	561.0	371.5	238.8	141.4
35°	3222.9	2894.7	2444.9	2036.4	1645.0	1272.6	926.8	638.8	430.4	273.4	159.9
32.5°	3378.6	3116.8	2680.9	2232.5	1812.0	1411.7	1043.4	730.4	485.8	306.0	177.3
30°	3520.7	3253.7	2905.6	2417.3	1972.8	1554.2	1162.1	816.3	537.8	336.5	196.0
27.5°	3652.5	3382.1	3096.7	2605.4	2131.3	1688.2	1272.6	896.3	586.1	370.2	220.7
25°	3816.4	3497.4	3207.0	2785.2	2278.1	1812.0	1374.8	970.8	644.5	409.5	243.4
22.5°	4068.7	3602.1	3308.3	2950.1	2412.5	1925.6	1472.8	1054.9	704.6	445.3	264.1
20°	4298.3	3697.2	3400.2	3087.4	2542.9	2036.4	1565.6	1130.7	758.9	477.7	282.8
17.5°	4562.7	3832.1	3479.2	3162.8	2664.8	2135.1	1648.2	1198.2	807.1	506.4	299.4
15°	5060.0	3998.7	3547.9	3228.8	2771.4	2221.4	1720.3	1257.1	849.1	531.5	313.9
12.5°	5486.1	4141.2	3606.5	3285.1	2862.4	2294.9	1781.8	1307.3	884.9	552.8	326.2
10°	5838.4	4258.9	3654.9	3331.5	2937.3	2355.5	1832.4	1348.5	914.4	570.3	336.3
7.5°	6114.9	4351.2	3692.8	3367.9	2995.9	2402.8	1871.9	1380.7	937.3	584.0	344.1
5°	6313.6	4417.4	3720.0	3394.0	3038.0	2436.8	1900.2	1403.8	953.8	593.8	349.8
2.5°	6433.4	4457.4	3736.4	3409.7	3063.3	2457.2	1917.2	1417.7	963.7	599.6	353.2
0°	6473.4	4470.7	3741.9	3414.9	3071.7	2464.0	1922.9	1422.3	967.0	601.6	354.3
-2.5°	6433.4	4457.4	3736.4	3409.7	3063.3	2457.2	1917.2	1417.7	963.7	599.6	353.2
-5°	6313.6	4417.4	3720.0	3394.0	3038.0	2436.8	1900.2	1403.8	953.8	593.8	349.8
-7.5°	6114.9	4351.2	3692.8	3367.9	2995.9	2402.8	1871.9	1380.7	937.3	584.0	344.1
-10°	5838.4	4258.9	3654.9	3331.5	2937.3	2355.5	1832.4	1348.5	914.4	570.3	336.3
-12.5°	5486.1	4141.2	3606.5	3285.1	2862.4	2294.9	1781.8	1307.3	884.9	552.8	326.2
-15°	5060.0	3998.7	3547.9	3228.8	2771.4	2221.4	1720.3	1257.1	849.1	531.5	313.9
-17.5°	4562.7	3832.1	3479.2	3162.8	2664.8	2135.1	1648.2	1198.2	807.1	506.4	299.4
-20°	4298.3	3697.2	3400.2	3087.4	2542.9	2036.4	1565.6	1130.7	758.9	477.7	282.8



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4068.7	3602.1	3308.3	2950.1	2412.5	1925.6	1472.8	1054.9	704.6	445.3	264.1
-25°	3816.4	3497.4	3207.0	2785.2	2278.1	1812.0	1374.8	970.8	644.5	409.5	243.4
-27.5°	3652.5	3382.1	3096.7	2605.4	2131.3	1688.2	1272.6	896.3	586.1	370.2	220.7
-30°	3520.7	3253.7	2905.6	2417.3	1972.8	1554.2	1162.1	816.3	537.8	336.5	196.0
-32.5°	3378.6	3116.8	2680.9	2232.5	1812.0	1411.7	1043.4	730.4	485.8	306.0	177.3
-35°	3222.9	2894.7	2444.9	2036.4	1645.0	1272.6	926.8	638.8	430.4	273.4	159.9
-37.5°	3049.9	2624.7	2221.4	1836.4	1468.6	1125.6	819.3	561.0	371.5	238.8	141.4
-40°	2747.6	2355.5	1987.2	1635.5	1295.7	970.8	706.1	491.8	324.5	202.2	121.8
-42.5°	2436.8	2093.6	1756.4	1425.7	1119.4	840.1	592.1	419.1	281.1	173.9	101.3
-45°	2147.2	1829.6	1521.8	1227.0	942.0	704.6	508.3	346.9	235.9	149.2	84.7
-47.5°	1854.1	1570.1	1292.1	1021.5	789.3	576.1	421.3	294.4	189.1	123.5	74.7
-50°	1570.1	1313.8	1064.6	840.5	631.5	477.7	338.9	240.0	159.1	96.9	64.2
-52.5°	1292.1	1064.6	857.7	665.4	511.8	376.2	277.0	186.1	128.1	80.0	53.4
-55°	1021.5	840.5	665.4	523.2	398.8	299.4	213.4	150.5	96.1	67.3	42.8
-57.5°	789.3	631.5	511.8	398.8	306.9	228.2	164.1	114.0	77.3	54.1	37.2
-60°	576.1	477.7	376.2	299.4	228.2	168.7	123.1	83.3	62.1	42.0	31.4
-62.5°	421.3	338.9	277.0	213.4	164.1	123.1	85.4	66.2	46.6	35.3	25.5
-65°	294.4	240.0	186.1	150.5	114.0	83.3	66.2	48.6	37.2	28.4	20.6
-67.5°	189.1	159.1	128.1	96.1	77.3	62.1	46.6	37.2	29.4	21.4	18.3
-70°	123.5	96.9	80.0	67.3	54.1	42.0	35.3	28.4	21.4	18.7	16.0
-72.5°	74.7	64.2	53.4	42.8	37.2	31.4	25.5	20.6	18.3	16.0	13.7
-75°	44.7	39.6	35.1	30.4	25.6	21.0	19.1	17.2	15.3	13.4	12.7
-77.5°	29.3	25.6	21.8	20.0	18.5	17.0	15.5	13.9	12.9	12.5	12.1
-80°	18.7	17.7	16.6	15.4	14.2	13.1	12.8	12.5	12.1	11.8	11.5
-82.5°	13.3	13.0	12.7	12.5	12.3	12.1	11.9	11.6	11.4	11.1	10.0
-85°	11.8	11.7	11.5	11.4	11.2	11.1	10.2	9.4	8.5	7.6	6.7
-87.5°	7.5	7.1	6.8	6.4	6.0	5.5	5.1	4.7	4.2	3.8	3.3
-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):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.9	2.4	1.9	1.4	1.0	0.5	0.0
85°	5.7	4.8	3.9	2.9	1.9	1.0	0.0
82.5°	8.6	7.2	5.8	4.3	2.9	1.4	0.0
80°	11.2	9.6	7.7	5.8	3.9	1.9	0.0
77.5°	11.7	11.2	9.6	7.2	4.8	2.4	0.0
75°	12.2	11.7	11.2	8.6	5.7	2.9	0.0
72.5°	12.7	12.1	11.5	10.0	6.7	3.3	0.0
70°	13.4	12.5	11.8	11.1	7.6	3.8	0.0
67.5°	15.3	12.9	12.1	11.4	8.5	4.2	0.0
65°	17.2	13.9	12.5	11.6	9.4	4.7	0.0
62.5°	19.1	15.5	12.8	11.9	10.2	5.1	0.0
60°	21.0	17.0	13.1	12.1	11.1	5.5	0.0
57.5°	25.6	18.5	14.2	12.3	11.2	6.0	0.0
55°	30.4	20.0	15.4	12.5	11.4	6.4	0.0
52.5°	35.1	21.8	16.6	12.7	11.5	6.8	0.0
50°	39.6	25.6	17.7	13.0	11.7	7.1	0.0
47.5°	44.7	29.3	18.7	13.3	11.8	7.5	0.0
45°	53.3	32.8	19.8	14.1	11.9	7.8	0.0
42.5°	61.6	36.1	20.7	14.8	12.0	8.2	0.0
40°	69.5	39.3	22.5	15.5	12.2	8.5	0.0
37.5°	77.0	42.4	24.9	16.2	12.3	8.8	0.0
35°	84.1	47.3	27.2	16.8	12.4	9.1	0.0
32.5°	93.2	52.8	29.4	17.4	12.5	9.4	0.0
30°	107.1	58.0	31.4	17.9	12.6	9.6	0.0
27.5°	120.0	62.8	33.3	18.4	12.6	9.8	0.0
25°	131.9	67.2	35.0	18.9	12.7	10.1	0.0
22.5°	142.7	71.3	36.6	19.3	12.8	10.3	0.0
20°	152.5	74.9	38.0	19.7	12.9	10.4	0.0
17.5°	161.1	78.1	39.3	20.1	12.9	10.6	0.0
15°	168.7	80.9	40.3	20.4	13.0	10.7	0.0
12.5°	175.1	83.3	41.3	20.6	13.0	10.8	0.0
10°	180.4	85.3	42.0	20.8	13.0	10.9	0.0
7.5°	184.5	86.8	42.6	21.0	13.1	11.0	0.0
5°	187.4	87.9	43.1	21.1	13.1	11.1	0.0
2.5°	189.2	88.6	43.3	21.2	13.1	11.1	0.0
0°	189.8	88.8	43.4	21.2	13.1	11.1	0.0
-2.5°	189.2	88.6	43.3	21.2	13.1	11.1	0.0
-5°	187.4	87.9	43.1	21.1	13.1	11.1	0.0
-7.5°	184.5	86.8	42.6	21.0	13.1	11.0	0.0
-10°	180.4	85.3	42.0	20.8	13.0	10.9	0.0
-12.5°	175.1	83.3	41.3	20.6	13.0	10.8	0.0
-15°	168.7	80.9	40.3	20.4	13.0	10.7	0.0
-17.5°	161.1	78.1	39.3	20.1	12.9	10.6	0.0
-20°	152.5	74.9	38.0	19.7	12.9	10.4	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	142.7	71.3	36.6	19.3	12.8	10.3	0.0
-25°	131.9	67.2	35.0	18.9	12.7	10.1	0.0
-27.5°	120.0	62.8	33.3	18.4	12.6	9.8	0.0
-30°	107.1	58.0	31.4	17.9	12.6	9.6	0.0
-32.5°	93.2	52.8	29.4	17.4	12.5	9.4	0.0
-35°	84.1	47.3	27.2	16.8	12.4	9.1	0.0
-37.5°	77.0	42.4	24.9	16.2	12.3	8.8	0.0
-40°	69.5	39.3	22.5	15.5	12.2	8.5	0.0
-42.5°	61.6	36.1	20.7	14.8	12.0	8.2	0.0
-45°	53.3	32.8	19.8	14.1	11.9	7.8	0.0
-47.5°	44.7	29.3	18.7	13.3	11.8	7.5	0.0
-50°	39.6	25.6	17.7	13.0	11.7	7.1	0.0
-52.5°	35.1	21.8	16.6	12.7	11.5	6.8	0.0
-55°	30.4	20.0	15.4	12.5	11.4	6.4	0.0
-57.5°	25.6	18.5	14.2	12.3	11.2	6.0	0.0
-60°	21.0	17.0	13.1	12.1	11.1	5.5	0.0
-62.5°	19.1	15.5	12.8	11.9	10.2	5.1	0.0
-65°	17.2	13.9	12.5	11.6	9.4	4.7	0.0
-67.5°	15.3	12.9	12.1	11.4	8.5	4.2	0.0
-70°	13.4	12.5	11.8	11.1	7.6	3.8	0.0
-72.5°	12.7	12.1	11.5	10.0	6.7	3.3	0.0
-75°	12.2	11.7	11.2	8.6	5.7	2.9	0.0
-77.5°	11.7	11.2	9.6	7.2	4.8	2.4	0.0
-80°	11.2	9.6	7.7	5.8	3.9	1.9	0.0
-82.5°	8.6	7.2	5.8	4.3	2.9	1.4	0.0
-85°	5.7	4.8	3.9	2.9	1.9	1.0	0.0
-87.5°	2.9	2.4	1.9	1.4	1.0	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)