

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: P1212076 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-40-70-3S-HEG**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212076 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: EPHESUS
Catalog Number: EPH-LS12-1000R-40-70-3S-HEG
Description: EPHESUS LS12 LUMINAIRE
(12) 4000K, 70 CRI LEDS AND 3S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

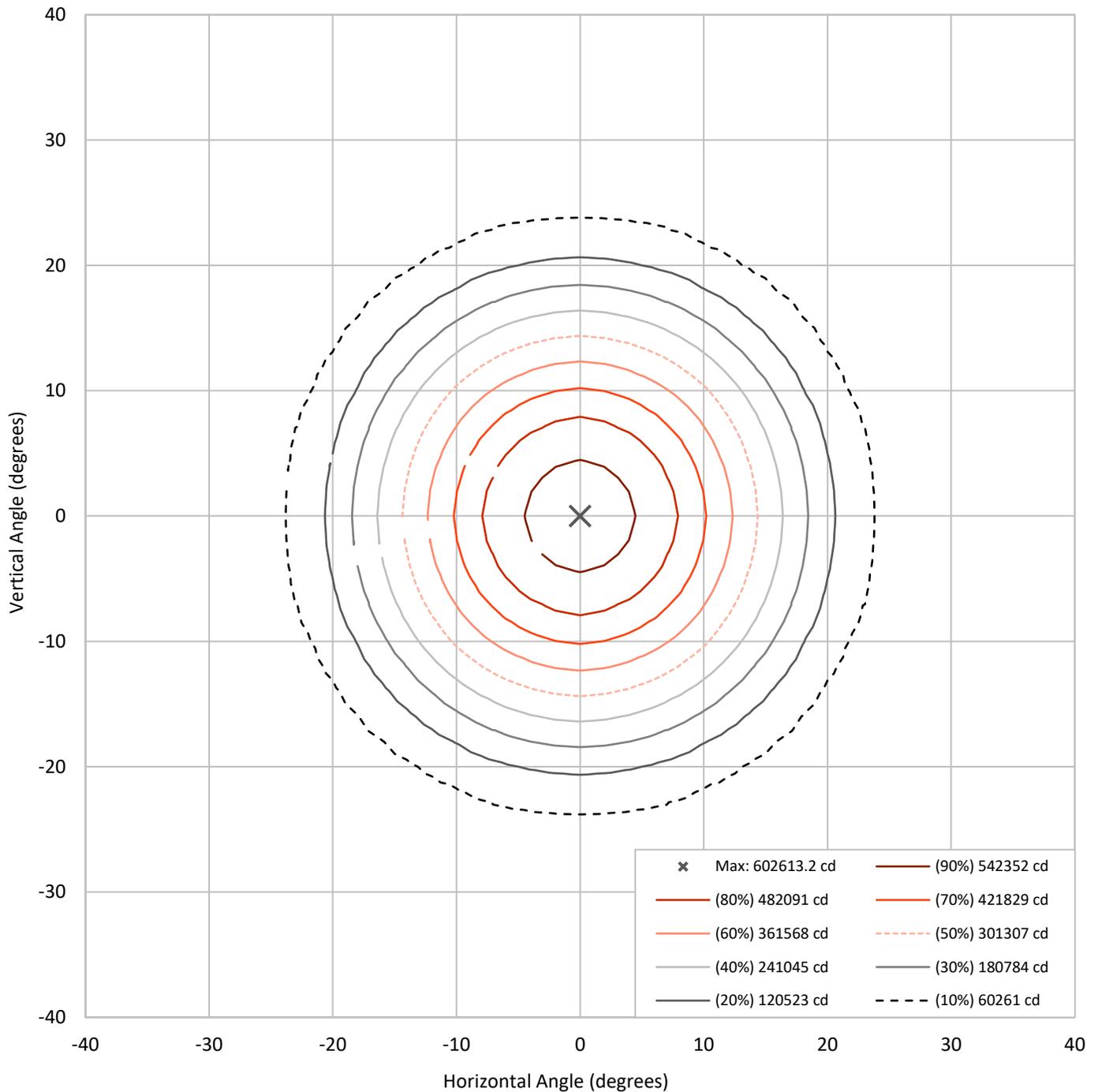
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	168874.4 lumens	Max Intensity:	602613.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	162.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	28.7°H x 28.7°V	Field Angle (10%):	47.6°H x 47.6°V
Beam Lumens:	88329.9 lumens	Field Lumens:	136176.8 lumens
Beam Efficiency:	52.3%	Field Efficiency:	80.6%
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-40-70-3S-HEG

Iso-Candela Plot





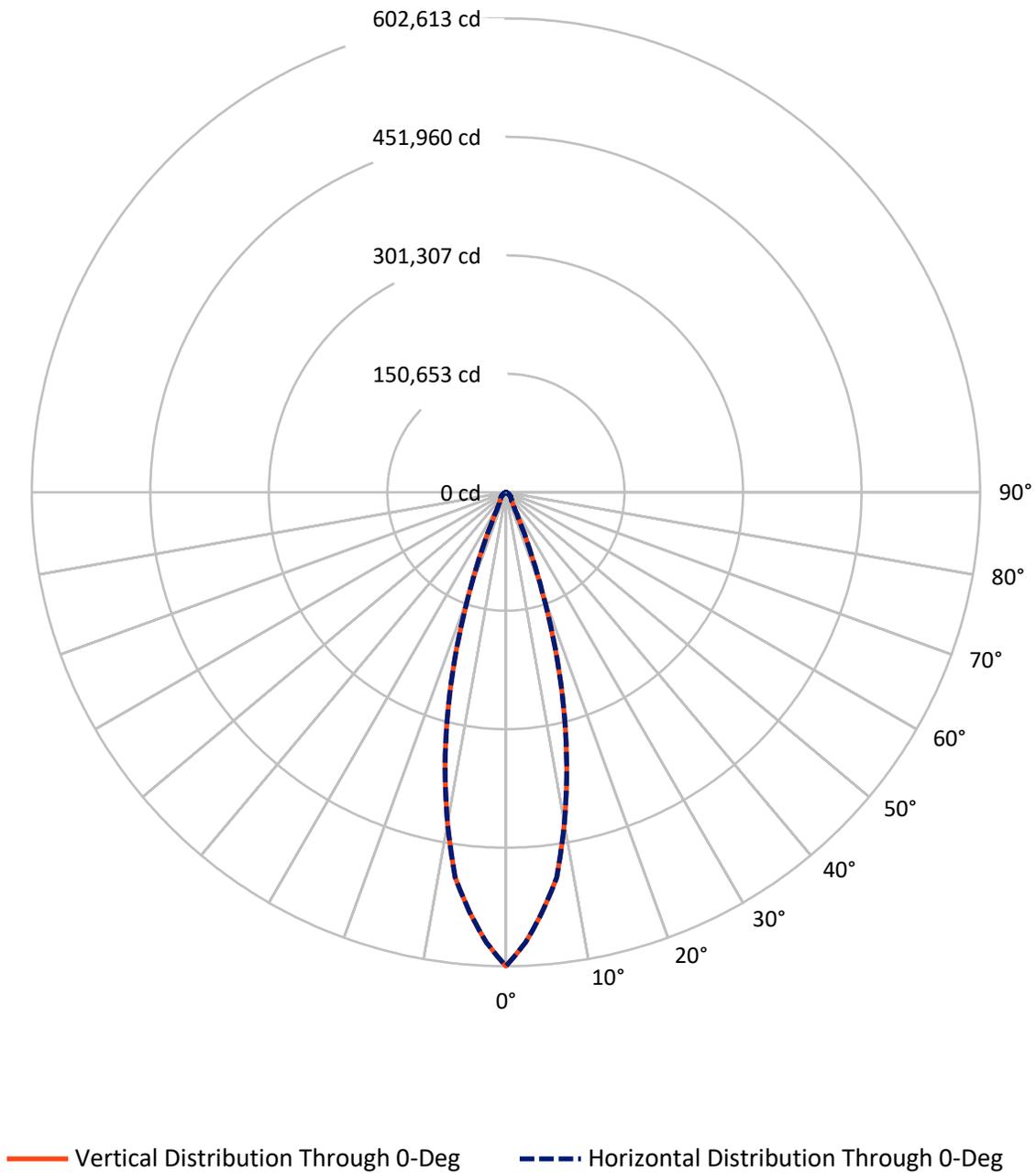
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Lumen Table

90	0.1	0.7	4.9	14.0	18.8	14.0	4.9	0.7	0.1										
80	0.1	0.7	4.9	14.0	18.8	14.0	4.9	0.7	0.1										
70	0.4	0.7	3.7	10.9	22.3	34.9	45.8	51.9	51.9	45.8	34.9	22.3	10.9	3.7	0.7	0.4			
60		2.8	12.9	32.7	60.4	94.2	124.9	142.4	142.4	124.9	94.2	60.4	32.7	12.9	2.8				
50	1.8	6.7	26.8	64.2	122.9	186.5	236.2	261.9	261.9	236.2	186.5	122.9	64.2	26.8	6.7	1.8			
40		11.9	42.8	106.5	192.3	267.4	337.0	393.0	393.0	337.0	267.4	192.3	106.5	42.8	11.9				
30	4.3	16.8	60.5	146.4	242.0	370.7	752.2	1500.5	1500.5	752.2	370.7	242.0	146.4	60.5	16.8	4.3			
20		20.7	75.4	173.9	286.7	709.4	3456.0	7617.5	7617.5	3456.0	709.4	286.7	173.9	75.4	20.7				
10	5.4	22.8	83.3	186.9	324.8	1381.0	7412.0	14444.2	14444.2	7412.0	1381.0	324.8	186.9	83.3	22.8	5.4			
0		22.8	83.3	186.9	324.8	1381.0	7412.0	14444.2	14444.2	7412.0	1381.0	324.8	186.9	83.3	22.8				
-10	4.3	20.7	75.4	173.9	286.7	709.4	3456.0	7617.5	7617.5	3456.0	709.4	286.7	173.9	75.4	20.7	4.3			
-20		16.8	60.5	146.4	242.0	370.7	752.2	1500.5	1500.5	752.2	370.7	242.0	146.4	60.5	16.8				
-30	1.8	11.9	42.8	106.5	192.3	267.4	337.0	393.0	393.0	337.0	267.4	192.3	106.5	42.8	11.9	1.8			
-40		6.7	26.8	64.2	122.9	186.5	236.2	261.9	261.9	236.2	186.5	122.9	64.2	26.8	6.7				
-50	0.4	2.8	12.9	32.7	60.4	94.2	124.9	142.4	142.4	124.9	94.2	60.4	32.7	12.9	2.8	0.4			
-60		0.7	3.7	10.9	22.3	34.9	45.8	51.9	51.9	45.8	34.9	22.3	10.9	3.7	0.7				
-70	0.1	0.7	4.9	14.0	18.8	14.0	4.9	0.7	0.1						0.1				
-80		0.1	0.7	4.9	14.0	18.8	14.0	4.9	0.7	0.1									
-90	0.1	0.7	4.9	14.0	18.8	14.0	4.9	0.7	0.1						0.1				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

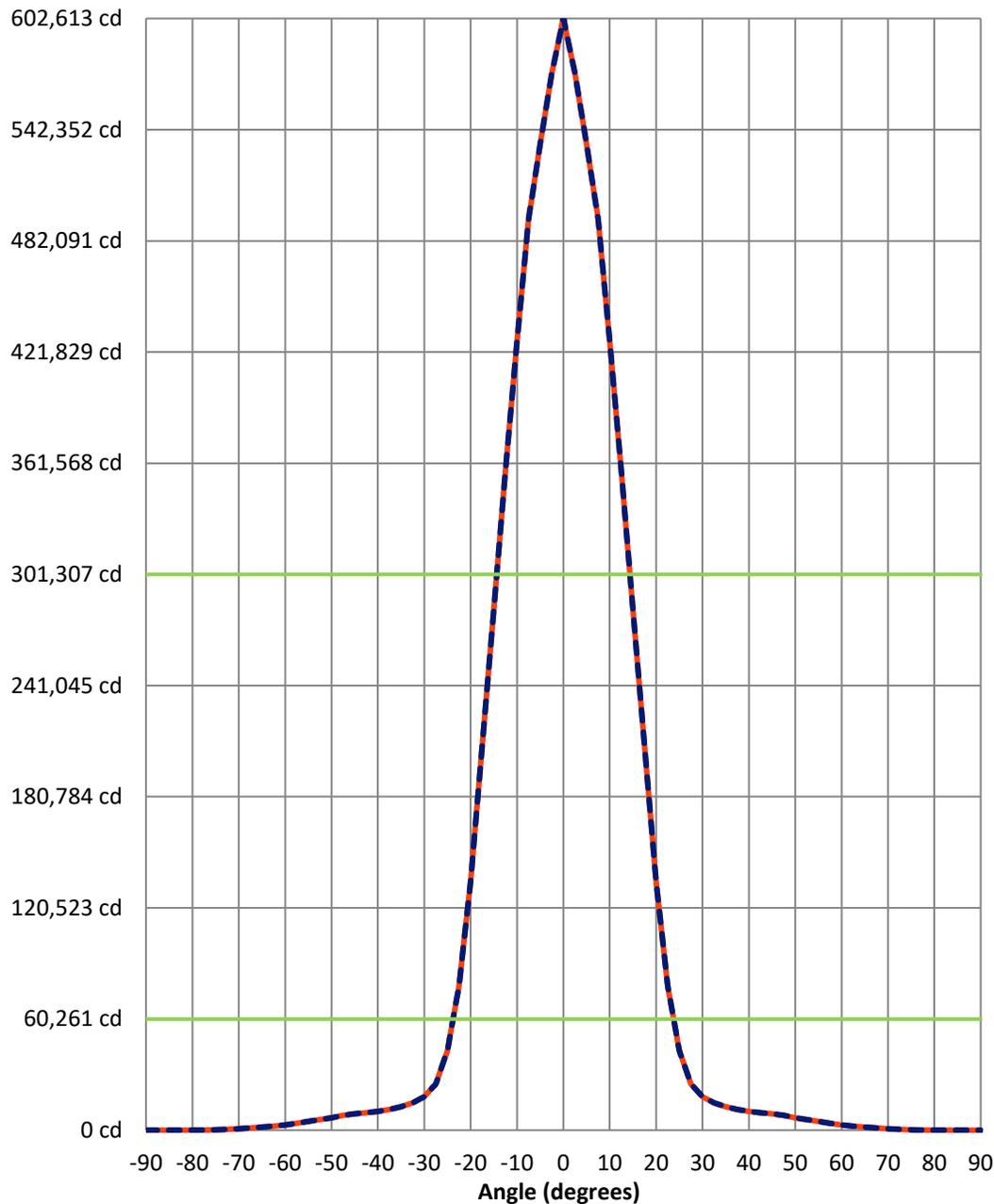
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 28.7°
 V Angle: 28.7°
 Lumens: 88329.9
 Efficiency: 52.3%

Field:
 H Angle: 47.6°
 V Angle: 47.6°
 Lumens: 136176.8
 Efficiency: 80.6%

Spill:
 Lumens: 32697.5
 Efficiency: 19.4%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	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	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.7
85°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.7	3.1	3.4
82.5°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.0	4.3	4.5
80°	0.0	0.7	1.4	2.1	2.8	3.4	4.1	4.4	4.7	5.0	5.4
77.5°	0.0	0.9	1.7	2.6	3.4	4.1	4.6	5.0	5.4	5.8	6.6
75°	0.0	1.0	2.1	3.1	4.1	4.6	5.1	5.6	6.2	7.6	9.1
72.5°	0.0	1.2	2.4	3.6	4.4	5.0	5.6	6.5	8.2	9.9	11.5
70°	0.0	1.4	2.7	4.0	4.7	5.4	6.2	8.2	10.1	12.2	20.1
67.5°	0.0	1.5	3.1	4.3	5.0	5.8	7.6	9.9	12.2	21.2	30.1
65°	0.0	1.7	3.4	4.5	5.4	6.6	9.1	11.5	20.1	30.1	43.2
62.5°	0.0	1.8	3.7	4.8	5.7	7.8	10.5	16.8	27.9	40.8	64.1
60°	0.0	2.0	4.0	5.0	6.0	8.9	11.8	23.5	35.5	59.3	84.5
57.5°	0.0	2.1	4.1	5.2	6.8	10.0	16.9	30.0	49.7	77.3	128.2
55°	0.0	2.3	4.3	5.4	7.7	11.1	22.4	36.3	65.4	101.7	182.1
52.5°	0.0	2.4	4.4	5.6	8.6	12.7	27.7	48.8	80.6	148.9	234.5
50°	0.0	2.6	4.6	5.9	9.4	17.0	32.8	61.7	102.9	194.7	311.7
47.5°	0.0	2.7	4.7	6.1	10.2	21.1	38.5	74.2	142.2	239.0	389.4
45°	0.0	2.8	4.8	6.7	10.9	25.0	48.8	86.2	180.1	305.8	464.4
42.5°	0.0	2.9	4.9	7.3	11.7	28.8	58.6	109.4	216.5	370.5	559.1
40°	0.0	3.1	5.1	7.8	13.4	32.4	68.0	139.7	257.8	432.4	653.4
37.5°	0.0	3.2	5.2	8.3	16.2	35.9	76.9	168.6	310.0	497.4	743.3
35°	0.0	3.3	5.3	8.7	18.8	41.6	85.4	195.9	359.4	573.7	841.0
32.5°	0.0	3.4	5.4	9.2	21.2	48.2	97.5	221.6	406.0	645.7	951.8
30°	0.0	3.5	5.5	9.6	23.5	54.4	118.0	248.9	449.6	713.1	1055.7
27.5°	0.0	3.5	5.5	10.0	25.6	60.1	137.0	284.2	495.6	775.8	1152.4
25°	0.0	3.6	5.6	10.3	27.5	65.4	154.5	316.6	546.6	847.9	1241.9
22.5°	0.0	3.7	5.7	10.6	29.3	70.2	170.5	346.2	593.2	920.6	1327.9
20°	0.0	3.8	5.8	10.9	30.9	74.5	184.9	372.9	635.1	986.2	1405.6
17.5°	0.0	3.8	5.8	11.2	32.3	78.3	197.7	396.6	672.4	1044.6	1474.6
15°	0.0	3.9	5.9	11.4	33.6	81.7	208.9	417.2	705.0	1095.4	1534.9
12.5°	0.0	3.9	5.9	11.6	34.6	84.5	218.3	434.8	732.6	1138.7	1586.3
10°	0.0	3.9	5.9	11.7	35.5	86.8	226.1	449.2	755.4	1174.3	1628.5
7.5°	0.0	4.0	6.0	11.8	36.1	88.7	232.2	460.5	773.1	1202.1	1661.4
5°	0.0	4.0	6.0	11.9	36.6	90.0	236.5	468.5	785.8	1222.0	1685.1
2.5°	0.0	4.0	6.0	12.0	36.9	90.7	239.1	473.4	793.5	1234.0	1699.3
0°	0.0	4.0	6.0	12.0	37.0	91.0	240.0	475.0	796.0	1238.0	1704.0
-2.5°	0.0	4.0	6.0	12.0	36.9	90.7	239.1	473.4	793.5	1234.0	1699.3
-5°	0.0	4.0	6.0	11.9	36.6	90.0	236.5	468.5	785.8	1222.0	1685.1
-7.5°	0.0	4.0	6.0	11.8	36.1	88.7	232.2	460.5	773.1	1202.1	1661.4
-10°	0.0	3.9	5.9	11.7	35.5	86.8	226.1	449.2	755.4	1174.3	1628.5
-12.5°	0.0	3.9	5.9	11.6	34.6	84.5	218.3	434.8	732.6	1138.7	1586.3
-15°	0.0	3.9	5.9	11.4	33.6	81.7	208.9	417.2	705.0	1095.4	1534.9
-17.5°	0.0	3.8	5.8	11.2	32.3	78.3	197.7	396.6	672.4	1044.6	1474.6
-20°	0.0	3.8	5.8	10.9	30.9	74.5	184.9	372.9	635.1	986.2	1405.6



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 CATALOG NUMBER: EPH-LS12-1000R-40-70-3S-HEG

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	3.7	5.7	10.6	29.3	70.2	170.5	346.2	593.2	920.6	1327.9
-25°	0.0	3.6	5.6	10.3	27.5	65.4	154.5	316.6	546.6	847.9	1241.9
-27.5°	0.0	3.5	5.5	10.0	25.6	60.1	137.0	284.2	495.6	775.8	1152.4
-30°	0.0	3.5	5.5	9.6	23.5	54.4	118.0	248.9	449.6	713.1	1055.7
-32.5°	0.0	3.4	5.4	9.2	21.2	48.2	97.5	221.6	406.0	645.7	951.8
-35°	0.0	3.3	5.3	8.7	18.8	41.6	85.4	195.9	359.4	573.7	841.0
-37.5°	0.0	3.2	5.2	8.3	16.2	35.9	76.9	168.6	310.0	497.4	743.3
-40°	0.0	3.1	5.1	7.8	13.4	32.4	68.0	139.7	257.8	432.4	653.4
-42.5°	0.0	2.9	4.9	7.3	11.7	28.8	58.6	109.4	216.5	370.5	559.1
-45°	0.0	2.8	4.8	6.7	10.9	25.0	48.8	86.2	180.1	305.8	464.4
-47.5°	0.0	2.7	4.7	6.1	10.2	21.1	38.5	74.2	142.2	239.0	389.4
-50°	0.0	2.6	4.6	5.9	9.4	17.0	32.8	61.7	102.9	194.7	311.7
-52.5°	0.0	2.4	4.4	5.6	8.6	12.7	27.7	48.8	80.6	148.9	234.5
-55°	0.0	2.3	4.3	5.4	7.7	11.1	22.4	36.3	65.4	101.7	182.1
-57.5°	0.0	2.1	4.1	5.2	6.8	10.0	16.9	30.0	49.7	77.3	128.2
-60°	0.0	2.0	4.0	5.0	6.0	8.9	11.8	23.5	35.5	59.3	84.5
-62.5°	0.0	1.8	3.7	4.8	5.7	7.8	10.5	16.8	27.9	40.8	64.1
-65°	0.0	1.7	3.4	4.5	5.4	6.6	9.1	11.5	20.1	30.1	43.2
-67.5°	0.0	1.5	3.1	4.3	5.0	5.8	7.6	9.9	12.2	21.2	30.1
-70°	0.0	1.4	2.7	4.0	4.7	5.4	6.2	8.2	10.1	12.2	20.1
-72.5°	0.0	1.2	2.4	3.6	4.4	5.0	5.6	6.5	8.2	9.9	11.5
-75°	0.0	1.0	2.1	3.1	4.1	4.6	5.1	5.6	6.2	7.6	9.1
-77.5°	0.0	0.9	1.7	2.6	3.4	4.1	4.6	5.0	5.4	5.8	6.6
-80°	0.0	0.7	1.4	2.1	2.8	3.4	4.1	4.4	4.7	5.0	5.4
-82.5°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.0	4.3	4.5
-85°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.7	3.1	3.4
-87.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.7
-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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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°	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.8	2.9	3.1	3.2
85°	3.7	4.0	4.1	4.3	4.4	4.6	4.7	4.8	4.9	5.1	5.2
82.5°	4.8	5.0	5.2	5.4	5.6	5.9	6.1	6.7	7.3	7.8	8.3
80°	5.7	6.0	6.8	7.7	8.6	9.4	10.2	10.9	11.7	13.4	16.2
77.5°	7.8	8.9	10.0	11.1	12.7	17.0	21.1	25.0	28.8	32.4	35.9
75°	10.5	11.8	16.9	22.4	27.7	32.8	38.5	48.8	58.6	68.0	76.9
72.5°	16.8	23.5	30.0	36.3	48.8	61.7	74.2	86.2	109.4	139.7	168.6
70°	27.9	35.5	49.7	65.4	80.6	102.9	142.2	180.1	216.5	257.8	310.0
67.5°	40.8	59.3	77.3	101.7	148.9	194.7	239.0	305.8	370.5	432.4	497.4
65°	64.1	84.5	128.2	182.1	234.5	311.7	389.4	464.4	559.1	653.4	743.3
62.5°	86.9	141.6	202.2	273.6	364.6	453.0	561.9	674.9	783.6	922.4	1059.3
60°	141.6	208.9	294.9	396.6	503.4	635.1	762.9	920.6	1084.5	1241.9	1400.3
57.5°	202.2	294.9	407.3	532.7	679.4	832.1	1023.0	1207.8	1394.0	1574.5	1749.5
55°	273.6	396.6	532.7	694.2	873.2	1085.0	1293.8	1504.1	1707.3	1913.9	2111.8
52.5°	364.6	503.4	679.4	873.2	1105.8	1337.9	1570.7	1802.0	2033.0	2275.0	2559.4
50°	453.0	635.1	832.1	1085.0	1337.9	1593.0	1849.6	2105.1	2404.2	2722.3	3093.0
47.5°	561.9	762.9	1023.0	1293.8	1570.7	1849.6	2129.3	2469.3	2820.9	3275.9	3725.6
45°	674.9	920.6	1207.8	1504.1	1802.0	2105.1	2469.3	2854.0	3368.1	3881.9	4433.6
42.5°	783.6	1084.5	1394.0	1707.3	2033.0	2404.2	2820.9	3368.1	3935.9	4543.2	5108.4
40°	922.4	1241.9	1574.5	1913.9	2275.0	2722.3	3275.9	3881.9	4543.2	5160.7	5742.4
37.5°	1059.3	1400.3	1749.5	2111.8	2559.4	3093.0	3725.6	4433.6	5108.4	5742.4	6342.9
35°	1189.4	1550.8	1923.3	2334.8	2830.9	3494.8	4216.2	4952.2	5635.9	6289.7	7013.0
32.5°	1316.2	1693.1	2087.8	2573.0	3176.6	3894.5	4687.9	5424.7	6131.1	6855.6	7819.8
30°	1437.6	1833.9	2257.6	2797.2	3510.9	4309.6	5112.7	5870.2	6598.6	7579.0	8395.3
27.5°	1550.8	1965.8	2450.1	3064.4	3833.8	4698.7	5505.0	6281.4	7183.3	8197.2	8837.6
25°	1655.4	2087.8	2628.2	3331.8	4167.9	5043.6	5868.0	6665.2	7781.3	8585.5	9147.9
22.5°	1753.7	2200.2	2791.5	3577.1	4475.0	5355.1	6196.5	7154.5	8240.6	8940.4	9409.0
20°	1845.1	2334.8	2971.3	3805.7	4753.6	5638.1	6495.5	7623.3	8546.9	9163.2	9697.1
17.5°	1926.4	2454.7	3152.7	4034.0	4989.4	5888.5	6783.2	8044.3	8822.6	9364.2	9980.2
15°	1997.5	2559.4	3311.3	4233.9	5193.6	6105.4	7124.9	8289.1	9021.3	9557.4	10234.3
12.5°	2058.0	2648.7	3446.6	4404.6	5368.2	6290.9	7417.7	8481.7	9162.4	9757.1	10543.1
10°	2107.8	2722.3	3558.1	4545.4	5512.2	6444.2	7659.7	8641.1	9279.3	9923.0	10800.2
7.5°	2146.7	2779.7	3645.3	4655.5	5625.0	6564.3	7849.7	8766.4	9371.4	10053.7	11003.1
5°	2174.6	2820.9	3707.8	4734.6	5706.0	6650.6	7986.2	8856.5	9437.6	10148.0	11149.7
2.5°	2191.4	2845.7	3745.4	4782.1	5754.7	6702.6	8068.5	8910.8	9477.6	10205.0	11238.3
0°	2197.0	2854.0	3758.0	4798.0	5771.0	6720.0	8096.0	8929.0	9491.0	10224.0	11268.0
-2.5°	2191.4	2845.7	3745.4	4782.1	5754.7	6702.6	8068.5	8910.8	9477.6	10205.0	11238.3
-5°	2174.6	2820.9	3707.8	4734.6	5706.0	6650.6	7986.2	8856.5	9437.6	10148.0	11149.7
-7.5°	2146.7	2779.7	3645.3	4655.5	5625.0	6564.3	7849.7	8766.4	9371.4	10053.7	11003.1
-10°	2107.8	2722.3	3558.1	4545.4	5512.2	6444.2	7659.7	8641.1	9279.3	9923.0	10800.2
-12.5°	2058.0	2648.7	3446.6	4404.6	5368.2	6290.9	7417.7	8481.7	9162.4	9757.1	10543.1
-15°	1997.5	2559.4	3311.3	4233.9	5193.6	6105.4	7124.9	8289.1	9021.3	9557.4	10234.3
-17.5°	1926.4	2454.7	3152.7	4034.0	4989.4	5888.5	6783.2	8044.3	8822.6	9364.2	9980.2
-20°	1845.1	2334.8	2971.3	3805.7	4753.6	5638.1	6495.5	7623.3	8546.9	9163.2	9697.1



REPORT NUMBER: P1212076 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-70-3S-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1753.7	2200.2	2791.5	3577.1	4475.0	5355.1	6196.5	7154.5	8240.6	8940.4	9409.0
-25°	1655.4	2087.8	2628.2	3331.8	4167.9	5043.6	5868.0	6665.2	7781.3	8585.5	9147.9
-27.5°	1550.8	1965.8	2450.1	3064.4	3833.8	4698.7	5505.0	6281.4	7183.3	8197.2	8837.6
-30°	1437.6	1833.9	2257.6	2797.2	3510.9	4309.6	5112.7	5870.2	6598.6	7579.0	8395.3
-32.5°	1316.2	1693.1	2087.8	2573.0	3176.6	3894.5	4687.9	5424.7	6131.1	6855.6	7819.8
-35°	1189.4	1550.8	1923.3	2334.8	2830.9	3494.8	4216.2	4952.2	5635.9	6289.7	7013.0
-37.5°	1059.3	1400.3	1749.5	2111.8	2559.4	3093.0	3725.6	4433.6	5108.4	5742.4	6342.9
-40°	922.4	1241.9	1574.5	1913.9	2275.0	2722.3	3275.9	3881.9	4543.2	5160.7	5742.4
-42.5°	783.6	1084.5	1394.0	1707.3	2033.0	2404.2	2820.9	3368.1	3935.9	4543.2	5108.4
-45°	674.9	920.6	1207.8	1504.1	1802.0	2105.1	2469.3	2854.0	3368.1	3881.9	4433.6
-47.5°	561.9	762.9	1023.0	1293.8	1570.7	1849.6	2129.3	2469.3	2820.9	3275.9	3725.6
-50°	453.0	635.1	832.1	1085.0	1337.9	1593.0	1849.6	2105.1	2404.2	2722.3	3093.0
-52.5°	364.6	503.4	679.4	873.2	1105.8	1337.9	1570.7	1802.0	2033.0	2275.0	2559.4
-55°	273.6	396.6	532.7	694.2	873.2	1085.0	1293.8	1504.1	1707.3	1913.9	2111.8
-57.5°	202.2	294.9	407.3	532.7	679.4	832.1	1023.0	1207.8	1394.0	1574.5	1749.5
-60°	141.6	208.9	294.9	396.6	503.4	635.1	762.9	920.6	1084.5	1241.9	1400.3
-62.5°	86.9	141.6	202.2	273.6	364.6	453.0	561.9	674.9	783.6	922.4	1059.3
-65°	64.1	84.5	128.2	182.1	234.5	311.7	389.4	464.4	559.1	653.4	743.3
-67.5°	40.8	59.3	77.3	101.7	148.9	194.7	239.0	305.8	370.5	432.4	497.4
-70°	27.9	35.5	49.7	65.4	80.6	102.9	142.2	180.1	216.5	257.8	310.0
-72.5°	16.8	23.5	30.0	36.3	48.8	61.7	74.2	86.2	109.4	139.7	168.6
-75°	10.5	11.8	16.9	22.4	27.7	32.8	38.5	48.8	58.6	68.0	76.9
-77.5°	7.8	8.9	10.0	11.1	12.7	17.0	21.1	25.0	28.8	32.4	35.9
-80°	5.7	6.0	6.8	7.7	8.6	9.4	10.2	10.9	11.7	13.4	16.2
-82.5°	4.8	5.0	5.2	5.4	5.6	5.9	6.1	6.7	7.3	7.8	8.3
-85°	3.7	4.0	4.1	4.3	4.4	4.6	4.7	4.8	4.9	5.1	5.2
-87.5°	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.8	2.9	3.1	3.2
-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: P1212076 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-70-3S-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°	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.9	3.9	3.9
85°	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.8	5.9	5.9	5.9
82.5°	8.7	9.2	9.6	10.0	10.3	10.6	10.9	11.2	11.4	11.6	11.7
80°	18.8	21.2	23.5	25.6	27.5	29.3	30.9	32.3	33.6	34.6	35.5
77.5°	41.6	48.2	54.4	60.1	65.4	70.2	74.5	78.3	81.7	84.5	86.8
75°	85.4	97.5	118.0	137.0	154.5	170.5	184.9	197.7	208.9	218.3	226.1
72.5°	195.9	221.6	248.9	284.2	316.6	346.2	372.9	396.6	417.2	434.8	449.2
70°	359.4	406.0	449.6	495.6	546.6	593.2	635.1	672.4	705.0	732.6	755.4
67.5°	573.7	645.7	713.1	775.8	847.9	920.6	986.2	1044.6	1095.4	1138.7	1174.3
65°	841.0	951.8	1055.7	1152.4	1241.9	1327.9	1405.6	1474.6	1534.9	1586.3	1628.5
62.5°	1189.4	1316.2	1437.6	1550.8	1655.4	1753.7	1845.1	1926.4	1997.5	2058.0	2107.8
60°	1550.8	1693.1	1833.9	1965.8	2087.8	2200.2	2334.8	2454.7	2559.4	2648.7	2722.3
57.5°	1923.3	2087.8	2257.6	2450.1	2628.2	2791.5	2971.3	3152.7	3311.3	3446.6	3558.1
55°	2334.8	2573.0	2797.2	3064.4	3331.8	3577.1	3805.7	4034.0	4233.9	4404.6	4545.4
52.5°	2830.9	3176.6	3510.9	3833.8	4167.9	4475.0	4753.6	4989.4	5193.6	5368.2	5512.2
50°	3494.8	3894.5	4309.6	4698.7	5043.6	5355.1	5638.1	5888.5	6105.4	6290.9	6444.2
47.5°	4216.2	4687.9	5112.7	5505.0	5868.0	6196.5	6495.5	6783.2	7124.9	7417.7	7659.7
45°	4952.2	5424.7	5870.2	6281.4	6665.2	7154.5	7623.3	8044.3	8289.1	8481.7	8641.1
42.5°	5635.9	6131.1	6598.6	7183.3	7781.3	8240.6	8546.9	8822.6	9021.3	9162.4	9279.3
40°	6289.7	6855.6	7579.0	8197.2	8585.5	8940.4	9163.2	9364.2	9557.4	9757.1	9923.0
37.5°	7013.0	7819.8	8395.3	8837.6	9147.9	9409.0	9697.1	9980.2	10234.3	10543.1	10800.2
35°	7900.6	8495.4	8971.0	9289.1	9619.0	9984.4	10362.5	10797.9	11185.1	11625.8	12022.6
32.5°	8495.4	9005.8	9360.6	9762.5	10180.4	10719.6	11235.6	11888.1	12482.6	13105.2	13719.4
30°	8971.0	9360.6	9810.7	10303.4	10938.1	11646.6	12432.7	13321.5	14236.5	15146.7	16214.6
27.5°	9289.1	9762.5	10303.4	11011.7	11862.3	12775.5	13974.3	15212.7	16792.3	18177.8	20610.8
25°	9619.0	10180.4	10938.1	11862.3	12935.5	14307.1	16036.6	17930.1	21232.4	24389.5	30167.0
22.5°	9984.4	10719.6	11646.6	12775.5	14307.1	16315.1	18868.1	23131.0	30038.4	39041.6	50031.1
20°	10362.5	11235.6	12432.7	13974.3	16036.6	18868.1	23774.9	33563.6	45851.1	65008.9	83559.5
17.5°	10797.9	11888.1	13321.5	15212.7	17930.1	23131.0	33563.6	49512.9	72774.1	103458.3	133258.2
15°	11185.1	12482.6	14236.5	16792.3	21232.4	30038.4	45851.1	72774.1	110283.6	151685.6	194895.0
12.5°	11625.8	13105.2	15146.7	18177.8	24389.5	39041.6	65008.9	103458.3	151685.6	205389.7	254083.2
10°	12022.6	13719.4	16214.6	20610.8	30167.0	50031.1	83559.5	133258.2	194895.0	254083.2	310283.7
7.5°	12336.4	14206.6	17064.6	22560.7	35776.5	62107.3	105398.1	164629.5	231221.4	296530.7	357978.2
5°	12563.5	14560.0	17682.6	23983.5	39888.2	71010.4	121622.9	188575.7	258947.8	329884.5	394837.7
2.5°	12701.0	14774.2	18058.1	24850.0	42400.0	76472.3	131634.6	203473.3	276405.1	350399.7	419072.3
0°	12747.0	14846.0	18184.0	25141.0	43245.0	78314.0	135021.0	208535.1	282377.1	357326.1	427616.1
-2.5°	12701.0	14774.2	18058.1	24850.0	42400.0	76472.3	131634.6	203473.3	276405.1	350399.7	419072.3
-5°	12563.5	14560.0	17682.6	23983.5	39888.2	71010.4	121622.9	188575.7	258947.8	329884.5	394837.7
-7.5°	12336.4	14206.6	17064.6	22560.7	35776.5	62107.3	105398.1	164629.5	231221.4	296530.7	357978.2
-10°	12022.6	13719.4	16214.6	20610.8	30167.0	50031.1	83559.5	133258.2	194895.0	254083.2	310283.7
-12.5°	11625.8	13105.2	15146.7	18177.8	24389.5	39041.6	65008.9	103458.3	151685.6	205389.7	254083.2
-15°	11185.1	12482.6	14236.5	16792.3	21232.4	30038.4	45851.1	72774.1	110283.6	151685.6	194895.0
-17.5°	10797.9	11888.1	13321.5	15212.7	17930.1	23131.0	33563.6	49512.9	72774.1	103458.3	133258.2
-20°	10362.5	11235.6	12432.7	13974.3	16036.6	18868.1	23774.9	33563.6	45851.1	65008.9	83559.5



REPORT NUMBER: P1212076 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-70-3S-HEG

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9984.4	10719.6	11646.6	12775.5	14307.1	16315.1	18868.1	23131.0	30038.4	39041.6	50031.1
-25°	9619.0	10180.4	10938.1	11862.3	12935.5	14307.1	16036.6	17930.1	21232.4	24389.5	30167.0
-27.5°	9289.1	9762.5	10303.4	11011.7	11862.3	12775.5	13974.3	15212.7	16792.3	18177.8	20610.8
-30°	8971.0	9360.6	9810.7	10303.4	10938.1	11646.6	12432.7	13321.5	14236.5	15146.7	16214.6
-32.5°	8495.4	9005.8	9360.6	9762.5	10180.4	10719.6	11235.6	11888.1	12482.6	13105.2	13719.4
-35°	7900.6	8495.4	8971.0	9289.1	9619.0	9984.4	10362.5	10797.9	11185.1	11625.8	12022.6
-37.5°	7013.0	7819.8	8395.3	8837.6	9147.9	9409.0	9697.1	9980.2	10234.3	10543.1	10800.2
-40°	6289.7	6855.6	7579.0	8197.2	8585.5	8940.4	9163.2	9364.2	9557.4	9757.1	9923.0
-42.5°	5635.9	6131.1	6598.6	7183.3	7781.3	8240.6	8546.9	8822.6	9021.3	9162.4	9279.3
-45°	4952.2	5424.7	5870.2	6281.4	6665.2	7154.5	7623.3	8044.3	8289.1	8481.7	8641.1
-47.5°	4216.2	4687.9	5112.7	5505.0	5868.0	6196.5	6495.5	6783.2	7124.9	7417.7	7659.7
-50°	3494.8	3894.5	4309.6	4698.7	5043.6	5355.1	5638.1	5888.5	6105.4	6290.9	6444.2
-52.5°	2830.9	3176.6	3510.9	3833.8	4167.9	4475.0	4753.6	4989.4	5193.6	5368.2	5512.2
-55°	2334.8	2573.0	2797.2	3064.4	3331.8	3577.1	3805.7	4034.0	4233.9	4404.6	4545.4
-57.5°	1923.3	2087.8	2257.6	2450.1	2628.2	2791.5	2971.3	3152.7	3311.3	3446.6	3558.1
-60°	1550.8	1693.1	1833.9	1965.8	2087.8	2200.2	2334.8	2454.7	2559.4	2648.7	2722.3
-62.5°	1189.4	1316.2	1437.6	1550.8	1655.4	1753.7	1845.1	1926.4	1997.5	2058.0	2107.8
-65°	841.0	951.8	1055.7	1152.4	1241.9	1327.9	1405.6	1474.6	1534.9	1586.3	1628.5
-67.5°	573.7	645.7	713.1	775.8	847.9	920.6	986.2	1044.6	1095.4	1138.7	1174.3
-70°	359.4	406.0	449.6	495.6	546.6	593.2	635.1	672.4	705.0	732.6	755.4
-72.5°	195.9	221.6	248.9	284.2	316.6	346.2	372.9	396.6	417.2	434.8	449.2
-75°	85.4	97.5	118.0	137.0	154.5	170.5	184.9	197.7	208.9	218.3	226.1
-77.5°	41.6	48.2	54.4	60.1	65.4	70.2	74.5	78.3	81.7	84.5	86.8
-80°	18.8	21.2	23.5	25.6	27.5	29.3	30.9	32.3	33.6	34.6	35.5
-82.5°	8.7	9.2	9.6	10.0	10.3	10.6	10.9	11.2	11.4	11.6	11.7
-85°	5.3	5.4	5.5	5.5	5.6	5.7	5.8	5.8	5.9	5.9	5.9
-87.5°	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.9	3.9	3.9
-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: P1212076 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-100R-40-70-3S-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°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8
85°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8
82.5°	11.8	11.9	12.0	12.0	12.0	11.9	11.8	11.7	11.6	11.4	11.2
80°	36.1	36.6	36.9	37.0	36.9	36.6	36.1	35.5	34.6	33.6	32.3
77.5°	88.7	90.0	90.7	91.0	90.7	90.0	88.7	86.8	84.5	81.7	78.3
75°	232.2	236.5	239.1	240.0	239.1	236.5	232.2	226.1	218.3	208.9	197.7
72.5°	460.5	468.5	473.4	475.0	473.4	468.5	460.5	449.2	434.8	417.2	396.6
70°	773.1	785.8	793.5	796.0	793.5	785.8	773.1	755.4	732.6	705.0	672.4
67.5°	1202.1	1222.0	1234.0	1238.0	1234.0	1222.0	1202.1	1174.3	1138.7	1095.4	1044.6
65°	1661.4	1685.1	1699.3	1704.0	1699.3	1685.1	1661.4	1628.5	1586.3	1534.9	1474.6
62.5°	2146.7	2174.6	2191.4	2197.0	2191.4	2174.6	2146.7	2107.8	2058.0	1997.5	1926.4
60°	2779.7	2820.9	2845.7	2854.0	2845.7	2820.9	2779.7	2722.3	2648.7	2559.4	2454.7
57.5°	3645.3	3707.8	3745.4	3758.0	3745.4	3707.8	3645.3	3558.1	3446.6	3311.3	3152.7
55°	4655.5	4734.6	4782.1	4798.0	4782.1	4734.6	4655.5	4545.4	4404.6	4233.9	4034.0
52.5°	5625.0	5706.0	5754.7	5771.0	5754.7	5706.0	5625.0	5512.2	5368.2	5193.6	4989.4
50°	6564.3	6650.6	6702.6	6720.0	6702.6	6650.6	6564.3	6444.2	6290.9	6105.4	5888.5
47.5°	7849.7	7986.2	8068.5	8096.0	8068.5	7986.2	7849.7	7659.7	7417.7	7124.9	6783.2
45°	8766.4	8856.5	8910.8	8929.0	8910.8	8856.5	8766.4	8641.1	8481.7	8289.1	8044.3
42.5°	9371.4	9437.6	9477.6	9491.0	9477.6	9437.6	9371.4	9279.3	9162.4	9021.3	8822.6
40°	10053.7	10148.0	10205.0	10224.0	10205.0	10148.0	10053.7	9923.0	9757.1	9557.4	9364.2
37.5°	11003.1	11149.7	11238.3	11268.0	11238.3	11149.7	11003.1	10800.2	10543.1	10234.3	9980.2
35°	12336.4	12563.5	12701.0	12747.0	12701.0	12563.5	12336.4	12022.6	11625.8	11185.1	10797.9
32.5°	14206.6	14560.0	14774.2	14846.0	14774.2	14560.0	14206.6	13719.4	13105.2	12482.6	11888.1
30°	17064.6	17682.6	18058.1	18184.0	18058.1	17682.6	17064.6	16214.6	15146.7	14236.5	13321.5
27.5°	22560.7	23983.5	24850.0	25141.0	24850.0	23983.5	22560.7	20610.8	18177.8	16792.3	15212.7
25°	35776.5	39888.2	42400.0	43245.0	42400.0	39888.2	35776.5	30167.0	24389.5	21232.4	17930.1
22.5°	62107.3	71010.4	76472.3	78314.0	76472.3	71010.4	62107.3	50031.1	39041.6	30038.4	23131.0
20°	105398.1	121622.9	131634.6	135021.0	131634.6	121622.9	105398.1	83559.5	65008.9	45851.1	33563.6
17.5°	164629.5	188575.7	203473.3	208535.1	203473.3	188575.7	164629.5	133258.2	103458.3	72774.1	49512.9
15°	231221.4	258947.8	276405.1	282377.1	276405.1	258947.8	231221.4	194895.0	151685.6	110283.6	72774.1
12.5°	296530.7	329884.5	350399.7	357326.1	350399.7	329884.5	296530.7	254083.2	205389.7	151685.6	103458.3
10°	357978.2	394837.7	419072.3	427616.1	419072.3	394837.7	357978.2	310283.7	254083.2	194895.0	133258.2
7.5°	411031.7	456088.9	484740.1	493851.7	484740.1	456088.9	411031.7	357978.2	296530.7	231221.4	164629.5
5°	456088.9	503640.6	527115.3	534627.2	527115.3	503640.6	456088.9	394837.7	329884.5	258947.8	188575.7
2.5°	484740.1	527115.3	556765.0	572872.2	556765.0	527115.3	484740.1	419072.3	350399.7	276405.1	203473.3
0°	493851.7	534627.2	572872.2	602613.2	572872.2	534627.2	493851.7	427616.1	357326.1	282377.1	208535.1
-2.5°	484740.1	527115.3	556765.0	572872.2	556765.0	527115.3	484740.1	419072.3	350399.7	276405.1	203473.3
-5°	456088.9	503640.6	527115.3	534627.2	527115.3	503640.6	456088.9	394837.7	329884.5	258947.8	188575.7
-7.5°	411031.7	456088.9	484740.1	493851.7	484740.1	456088.9	411031.7	357978.2	296530.7	231221.4	164629.5
-10°	357978.2	394837.7	419072.3	427616.1	419072.3	394837.7	357978.2	310283.7	254083.2	194895.0	133258.2
-12.5°	296530.7	329884.5	350399.7	357326.1	350399.7	329884.5	296530.7	254083.2	205389.7	151685.6	103458.3
-15°	231221.4	258947.8	276405.1	282377.1	276405.1	258947.8	231221.4	194895.0	151685.6	110283.6	72774.1
-17.5°	164629.5	188575.7	203473.3	208535.1	203473.3	188575.7	164629.5	133258.2	103458.3	72774.1	49512.9
-20°	105398.1	121622.9	131634.6	135021.0	131634.6	121622.9	105398.1	83559.5	65008.9	45851.1	33563.6



REPORT NUMBER: P1212076 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-70-3S-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	62107.3	71010.4	76472.3	78314.0	76472.3	71010.4	62107.3	50031.1	39041.6	30038.4	23131.0
-25°	35776.5	39888.2	42400.0	43245.0	42400.0	39888.2	35776.5	30167.0	24389.5	21232.4	17930.1
-27.5°	22560.7	23983.5	24850.0	25141.0	24850.0	23983.5	22560.7	20610.8	18177.8	16792.3	15212.7
-30°	17064.6	17682.6	18058.1	18184.0	18058.1	17682.6	17064.6	16214.6	15146.7	14236.5	13321.5
-32.5°	14206.6	14560.0	14774.2	14846.0	14774.2	14560.0	14206.6	13719.4	13105.2	12482.6	11888.1
-35°	12336.4	12563.5	12701.0	12747.0	12701.0	12563.5	12336.4	12022.6	11625.8	11185.1	10797.9
-37.5°	11003.1	11149.7	11238.3	11268.0	11238.3	11149.7	11003.1	10800.2	10543.1	10234.3	9980.2
-40°	10053.7	10148.0	10205.0	10224.0	10205.0	10148.0	10053.7	9923.0	9757.1	9557.4	9364.2
-42.5°	9371.4	9437.6	9477.6	9491.0	9477.6	9437.6	9371.4	9279.3	9162.4	9021.3	8822.6
-45°	8766.4	8856.5	8910.8	8929.0	8910.8	8856.5	8766.4	8641.1	8481.7	8289.1	8044.3
-47.5°	7849.7	7986.2	8068.5	8096.0	8068.5	7986.2	7849.7	7659.7	7417.7	7124.9	6783.2
-50°	6564.3	6650.6	6702.6	6720.0	6702.6	6650.6	6564.3	6444.2	6290.9	6105.4	5888.5
-52.5°	5625.0	5706.0	5754.7	5771.0	5754.7	5706.0	5625.0	5512.2	5368.2	5193.6	4989.4
-55°	4655.5	4734.6	4782.1	4798.0	4782.1	4734.6	4655.5	4545.4	4404.6	4233.9	4034.0
-57.5°	3645.3	3707.8	3745.4	3758.0	3745.4	3707.8	3645.3	3558.1	3446.6	3311.3	3152.7
-60°	2779.7	2820.9	2845.7	2854.0	2845.7	2820.9	2779.7	2722.3	2648.7	2559.4	2454.7
-62.5°	2146.7	2174.6	2191.4	2197.0	2191.4	2174.6	2146.7	2107.8	2058.0	1997.5	1926.4
-65°	1661.4	1685.1	1699.3	1704.0	1699.3	1685.1	1661.4	1628.5	1586.3	1534.9	1474.6
-67.5°	1202.1	1222.0	1234.0	1238.0	1234.0	1222.0	1202.1	1174.3	1138.7	1095.4	1044.6
-70°	773.1	785.8	793.5	796.0	793.5	785.8	773.1	755.4	732.6	705.0	672.4
-72.5°	460.5	468.5	473.4	475.0	473.4	468.5	460.5	449.2	434.8	417.2	396.6
-75°	232.2	236.5	239.1	240.0	239.1	236.5	232.2	226.1	218.3	208.9	197.7
-77.5°	88.7	90.0	90.7	91.0	90.7	90.0	88.7	86.8	84.5	81.7	78.3
-80°	36.1	36.6	36.9	37.0	36.9	36.6	36.1	35.5	34.6	33.6	32.3
-82.5°	11.8	11.9	12.0	12.0	12.0	11.9	11.8	11.7	11.6	11.4	11.2
-85°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8
-87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8
-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: P1212076 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-70-3S-HEG

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°	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	2.9	2.8
85°	5.8	5.7	5.6	5.5	5.5	5.4	5.3	5.2	5.1	4.9	4.8
82.5°	10.9	10.6	10.3	10.0	9.6	9.2	8.7	8.3	7.8	7.3	6.7
80°	30.9	29.3	27.5	25.6	23.5	21.2	18.8	16.2	13.4	11.7	10.9
77.5°	74.5	70.2	65.4	60.1	54.4	48.2	41.6	35.9	32.4	28.8	25.0
75°	184.9	170.5	154.5	137.0	118.0	97.5	85.4	76.9	68.0	58.6	48.8
72.5°	372.9	346.2	316.6	284.2	248.9	221.6	195.9	168.6	139.7	109.4	86.2
70°	635.1	593.2	546.6	495.6	449.6	406.0	359.4	310.0	257.8	216.5	180.1
67.5°	986.2	920.6	847.9	775.8	713.1	645.7	573.7	497.4	432.4	370.5	305.8
65°	1405.6	1327.9	1241.9	1152.4	1055.7	951.8	841.0	743.3	653.4	559.1	464.4
62.5°	1845.1	1753.7	1655.4	1550.8	1437.6	1316.2	1189.4	1059.3	922.4	783.6	674.9
60°	2334.8	2200.2	2087.8	1965.8	1833.9	1693.1	1550.8	1400.3	1241.9	1084.5	920.6
57.5°	2971.3	2791.5	2628.2	2450.1	2257.6	2087.8	1923.3	1749.5	1574.5	1394.0	1207.8
55°	3805.7	3577.1	3331.8	3064.4	2797.2	2573.0	2334.8	2111.8	1913.9	1707.3	1504.1
52.5°	4753.6	4475.0	4167.9	3833.8	3510.9	3176.6	2830.9	2559.4	2275.0	2033.0	1802.0
50°	5638.1	5355.1	5043.6	4698.7	4309.6	3894.5	3494.8	3093.0	2722.3	2404.2	2105.1
47.5°	6495.5	6196.5	5868.0	5505.0	5112.7	4687.9	4216.2	3725.6	3275.9	2820.9	2469.3
45°	7623.3	7154.5	6665.2	6281.4	5870.2	5424.7	4952.2	4433.6	3881.9	3368.1	2854.0
42.5°	8546.9	8240.6	7781.3	7183.3	6598.6	6131.1	5635.9	5108.4	4543.2	3935.9	3368.1
40°	9163.2	8940.4	8585.5	8197.2	7579.0	6855.6	6289.7	5742.4	5160.7	4543.2	3881.9
37.5°	9697.1	9409.0	9147.9	8837.6	8395.3	7819.8	7013.0	6342.9	5742.4	5108.4	4433.6
35°	10362.5	9984.4	9619.0	9289.1	8971.0	8495.4	7900.6	7013.0	6289.7	5635.9	4952.2
32.5°	11235.6	10719.6	10180.4	9762.5	9360.6	9005.8	8495.4	7819.8	6855.6	6131.1	5424.7
30°	12432.7	11646.6	10938.1	10303.4	9810.7	9360.6	8971.0	8395.3	7579.0	6598.6	5870.2
27.5°	13974.3	12775.5	11862.3	11011.7	10303.4	9762.5	9289.1	8837.6	8197.2	7183.3	6281.4
25°	16036.6	14307.1	12935.5	11862.3	10938.1	10180.4	9619.0	9147.9	8585.5	7781.3	6665.2
22.5°	18868.1	16315.1	14307.1	12775.5	11646.6	10719.6	9984.4	9409.0	8940.4	8240.6	7154.5
20°	23774.9	18868.1	16036.6	13974.3	12432.7	11235.6	10362.5	9697.1	9163.2	8546.9	7623.3
17.5°	33563.6	23131.0	17930.1	15212.7	13321.5	11888.1	10797.9	9980.2	9364.2	8822.6	8044.3
15°	45851.1	30038.4	21232.4	16792.3	14236.5	12482.6	11185.1	10234.3	9557.4	9021.3	8289.1
12.5°	65008.9	39041.6	24389.5	18177.8	15146.7	13105.2	11625.8	10543.1	9757.1	9162.4	8481.7
10°	83559.5	50031.1	30167.0	20610.8	16214.6	13719.4	12022.6	10800.2	9923.0	9279.3	8641.1
7.5°	105398.1	62107.3	35776.5	22560.7	17064.6	14206.6	12336.4	11003.1	10053.7	9371.4	8766.4
5°	121622.9	71010.4	39888.2	23983.5	17682.6	14560.0	12563.5	11149.7	10148.0	9437.6	8856.5
2.5°	131634.6	76472.3	42400.0	24850.0	18058.1	14774.2	12701.0	11238.3	10205.0	9477.6	8910.8
0°	135021.0	78314.0	43245.0	25141.0	18184.0	14846.0	12747.0	11268.0	10224.0	9491.0	8929.0
-2.5°	131634.6	76472.3	42400.0	24850.0	18058.1	14774.2	12701.0	11238.3	10205.0	9477.6	8910.8
-5°	121622.9	71010.4	39888.2	23983.5	17682.6	14560.0	12563.5	11149.7	10148.0	9437.6	8856.5
-7.5°	105398.1	62107.3	35776.5	22560.7	17064.6	14206.6	12336.4	11003.1	10053.7	9371.4	8766.4
-10°	83559.5	50031.1	30167.0	20610.8	16214.6	13719.4	12022.6	10800.2	9923.0	9279.3	8641.1
-12.5°	65008.9	39041.6	24389.5	18177.8	15146.7	13105.2	11625.8	10543.1	9757.1	9162.4	8481.7
-15°	45851.1	30038.4	21232.4	16792.3	14236.5	12482.6	11185.1	10234.3	9557.4	9021.3	8289.1
-17.5°	33563.6	23131.0	17930.1	15212.7	13321.5	11888.1	10797.9	9980.2	9364.2	8822.6	8044.3
-20°	23774.9	18868.1	16036.6	13974.3	12432.7	11235.6	10362.5	9697.1	9163.2	8546.9	7623.3



REPORT NUMBER: P1212076 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-70-3S-HEG

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	18868.1	16315.1	14307.1	12775.5	11646.6	10719.6	9984.4	9409.0	8940.4	8240.6	7154.5
-25°	16036.6	14307.1	12935.5	11862.3	10938.1	10180.4	9619.0	9147.9	8585.5	7781.3	6665.2
-27.5°	13974.3	12775.5	11862.3	11011.7	10303.4	9762.5	9289.1	8837.6	8197.2	7183.3	6281.4
-30°	12432.7	11646.6	10938.1	10303.4	9810.7	9360.6	8971.0	8395.3	7579.0	6598.6	5870.2
-32.5°	11235.6	10719.6	10180.4	9762.5	9360.6	9005.8	8495.4	7819.8	6855.6	6131.1	5424.7
-35°	10362.5	9984.4	9619.0	9289.1	8971.0	8495.4	7900.6	7013.0	6289.7	5635.9	4952.2
-37.5°	9697.1	9409.0	9147.9	8837.6	8395.3	7819.8	7013.0	6342.9	5742.4	5108.4	4433.6
-40°	9163.2	8940.4	8585.5	8197.2	7579.0	6855.6	6289.7	5742.4	5160.7	4543.2	3881.9
-42.5°	8546.9	8240.6	7781.3	7183.3	6598.6	6131.1	5635.9	5108.4	4543.2	3935.9	3368.1
-45°	7623.3	7154.5	6665.2	6281.4	5870.2	5424.7	4952.2	4433.6	3881.9	3368.1	2854.0
-47.5°	6495.5	6196.5	5868.0	5505.0	5112.7	4687.9	4216.2	3725.6	3275.9	2820.9	2469.3
-50°	5638.1	5355.1	5043.6	4698.7	4309.6	3894.5	3494.8	3093.0	2722.3	2404.2	2105.1
-52.5°	4753.6	4475.0	4167.9	3833.8	3510.9	3176.6	2830.9	2559.4	2275.0	2033.0	1802.0
-55°	3805.7	3577.1	3331.8	3064.4	2797.2	2573.0	2334.8	2111.8	1913.9	1707.3	1504.1
-57.5°	2971.3	2791.5	2628.2	2450.1	2257.6	2087.8	1923.3	1749.5	1574.5	1394.0	1207.8
-60°	2334.8	2200.2	2087.8	1965.8	1833.9	1693.1	1550.8	1400.3	1241.9	1084.5	920.6
-62.5°	1845.1	1753.7	1655.4	1550.8	1437.6	1316.2	1189.4	1059.3	922.4	783.6	674.9
-65°	1405.6	1327.9	1241.9	1152.4	1055.7	951.8	841.0	743.3	653.4	559.1	464.4
-67.5°	986.2	920.6	847.9	775.8	713.1	645.7	573.7	497.4	432.4	370.5	305.8
-70°	635.1	593.2	546.6	495.6	449.6	406.0	359.4	310.0	257.8	216.5	180.1
-72.5°	372.9	346.2	316.6	284.2	248.9	221.6	195.9	168.6	139.7	109.4	86.2
-75°	184.9	170.5	154.5	137.0	118.0	97.5	85.4	76.9	68.0	58.6	48.8
-77.5°	74.5	70.2	65.4	60.1	54.4	48.2	41.6	35.9	32.4	28.8	25.0
-80°	30.9	29.3	27.5	25.6	23.5	21.2	18.8	16.2	13.4	11.7	10.9
-82.5°	10.9	10.6	10.3	10.0	9.6	9.2	8.7	8.3	7.8	7.3	6.7
-85°	5.8	5.7	5.6	5.5	5.5	5.4	5.3	5.2	5.1	4.9	4.8
-87.5°	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	2.9	2.8
-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: P1212076 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-70-3S-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°	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.2
85°	4.7	4.6	4.4	4.3	4.1	4.0	3.7	3.4	3.1	2.7	2.4
82.5°	6.1	5.9	5.6	5.4	5.2	5.0	4.8	4.5	4.3	4.0	3.6
80°	10.2	9.4	8.6	7.7	6.8	6.0	5.7	5.4	5.0	4.7	4.4
77.5°	21.1	17.0	12.7	11.1	10.0	8.9	7.8	6.6	5.8	5.4	5.0
75°	38.5	32.8	27.7	22.4	16.9	11.8	10.5	9.1	7.6	6.2	5.6
72.5°	74.2	61.7	48.8	36.3	30.0	23.5	16.8	11.5	9.9	8.2	6.5
70°	142.2	102.9	80.6	65.4	49.7	35.5	27.9	20.1	12.2	10.1	8.2
67.5°	239.0	194.7	148.9	101.7	77.3	59.3	40.8	30.1	21.2	12.2	9.9
65°	389.4	311.7	234.5	182.1	128.2	84.5	64.1	43.2	30.1	20.1	11.5
62.5°	561.9	453.0	364.6	273.6	202.2	141.6	86.9	64.1	40.8	27.9	16.8
60°	762.9	635.1	503.4	396.6	294.9	208.9	141.6	84.5	59.3	35.5	23.5
57.5°	1023.0	832.1	679.4	532.7	407.3	294.9	202.2	128.2	77.3	49.7	30.0
55°	1293.8	1085.0	873.2	694.2	532.7	396.6	273.6	182.1	101.7	65.4	36.3
52.5°	1570.7	1337.9	1105.8	873.2	679.4	503.4	364.6	234.5	148.9	80.6	48.8
50°	1849.6	1593.0	1337.9	1085.0	832.1	635.1	453.0	311.7	194.7	102.9	61.7
47.5°	2129.3	1849.6	1570.7	1293.8	1023.0	762.9	561.9	389.4	239.0	142.2	74.2
45°	2469.3	2105.1	1802.0	1504.1	1207.8	920.6	674.9	464.4	305.8	180.1	86.2
42.5°	2820.9	2404.2	2033.0	1707.3	1394.0	1084.5	783.6	559.1	370.5	216.5	109.4
40°	3275.9	2722.3	2275.0	1913.9	1574.5	1241.9	922.4	653.4	432.4	257.8	139.7
37.5°	3725.6	3093.0	2559.4	2111.8	1749.5	1400.3	1059.3	743.3	497.4	310.0	168.6
35°	4216.2	3494.8	2830.9	2334.8	1923.3	1550.8	1189.4	841.0	573.7	359.4	195.9
32.5°	4687.9	3894.5	3176.6	2573.0	2087.8	1693.1	1316.2	951.8	645.7	406.0	221.6
30°	5112.7	4309.6	3510.9	2797.2	2257.6	1833.9	1437.6	1055.7	713.1	449.6	248.9
27.5°	5505.0	4698.7	3833.8	3064.4	2450.1	1965.8	1550.8	1152.4	775.8	495.6	284.2
25°	5868.0	5043.6	4167.9	3331.8	2628.2	2087.8	1655.4	1241.9	847.9	546.6	316.6
22.5°	6196.5	5355.1	4475.0	3577.1	2791.5	2200.2	1753.7	1327.9	920.6	593.2	346.2
20°	6495.5	5638.1	4753.6	3805.7	2971.3	2334.8	1845.1	1405.6	986.2	635.1	372.9
17.5°	6783.2	5888.5	4989.4	4034.0	3152.7	2454.7	1926.4	1474.6	1044.6	672.4	396.6
15°	7124.9	6105.4	5193.6	4233.9	3311.3	2559.4	1997.5	1534.9	1095.4	705.0	417.2
12.5°	7417.7	6290.9	5368.2	4404.6	3446.6	2648.7	2058.0	1586.3	1138.7	732.6	434.8
10°	7659.7	6444.2	5512.2	4545.4	3558.1	2722.3	2107.8	1628.5	1174.3	755.4	449.2
7.5°	7849.7	6564.3	5625.0	4655.5	3645.3	2779.7	2146.7	1661.4	1202.1	773.1	460.5
5°	7986.2	6650.6	5706.0	4734.6	3707.8	2820.9	2174.6	1685.1	1222.0	785.8	468.5
2.5°	8068.5	6702.6	5754.7	4782.1	3745.4	2845.7	2191.4	1699.3	1234.0	793.5	473.4
0°	8096.0	6720.0	5771.0	4798.0	3758.0	2854.0	2197.0	1704.0	1238.0	796.0	475.0
-2.5°	8068.5	6702.6	5754.7	4782.1	3745.4	2845.7	2191.4	1699.3	1234.0	793.5	473.4
-5°	7986.2	6650.6	5706.0	4734.6	3707.8	2820.9	2174.6	1685.1	1222.0	785.8	468.5
-7.5°	7849.7	6564.3	5625.0	4655.5	3645.3	2779.7	2146.7	1661.4	1202.1	773.1	460.5
-10°	7659.7	6444.2	5512.2	4545.4	3558.1	2722.3	2107.8	1628.5	1174.3	755.4	449.2
-12.5°	7417.7	6290.9	5368.2	4404.6	3446.6	2648.7	2058.0	1586.3	1138.7	732.6	434.8
-15°	7124.9	6105.4	5193.6	4233.9	3311.3	2559.4	1997.5	1534.9	1095.4	705.0	417.2
-17.5°	6783.2	5888.5	4989.4	4034.0	3152.7	2454.7	1926.4	1474.6	1044.6	672.4	396.6
-20°	6495.5	5638.1	4753.6	3805.7	2971.3	2334.8	1845.1	1405.6	986.2	635.1	372.9



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	6196.5	5355.1	4475.0	3577.1	2791.5	2200.2	1753.7	1327.9	920.6	593.2	346.2
-25°	5868.0	5043.6	4167.9	3331.8	2628.2	2087.8	1655.4	1241.9	847.9	546.6	316.6
-27.5°	5505.0	4698.7	3833.8	3064.4	2450.1	1965.8	1550.8	1152.4	775.8	495.6	284.2
-30°	5112.7	4309.6	3510.9	2797.2	2257.6	1833.9	1437.6	1055.7	713.1	449.6	248.9
-32.5°	4687.9	3894.5	3176.6	2573.0	2087.8	1693.1	1316.2	951.8	645.7	406.0	221.6
-35°	4216.2	3494.8	2830.9	2334.8	1923.3	1550.8	1189.4	841.0	573.7	359.4	195.9
-37.5°	3725.6	3093.0	2559.4	2111.8	1749.5	1400.3	1059.3	743.3	497.4	310.0	168.6
-40°	3275.9	2722.3	2275.0	1913.9	1574.5	1241.9	922.4	653.4	432.4	257.8	139.7
-42.5°	2820.9	2404.2	2033.0	1707.3	1394.0	1084.5	783.6	559.1	370.5	216.5	109.4
-45°	2469.3	2105.1	1802.0	1504.1	1207.8	920.6	674.9	464.4	305.8	180.1	86.2
-47.5°	2129.3	1849.6	1570.7	1293.8	1023.0	762.9	561.9	389.4	239.0	142.2	74.2
-50°	1849.6	1593.0	1337.9	1085.0	832.1	635.1	453.0	311.7	194.7	102.9	61.7
-52.5°	1570.7	1337.9	1105.8	873.2	679.4	503.4	364.6	234.5	148.9	80.6	48.8
-55°	1293.8	1085.0	873.2	694.2	532.7	396.6	273.6	182.1	101.7	65.4	36.3
-57.5°	1023.0	832.1	679.4	532.7	407.3	294.9	202.2	128.2	77.3	49.7	30.0
-60°	762.9	635.1	503.4	396.6	294.9	208.9	141.6	84.5	59.3	35.5	23.5
-62.5°	561.9	453.0	364.6	273.6	202.2	141.6	86.9	64.1	40.8	27.9	16.8
-65°	389.4	311.7	234.5	182.1	128.2	84.5	64.1	43.2	30.1	20.1	11.5
-67.5°	239.0	194.7	148.9	101.7	77.3	59.3	40.8	30.1	21.2	12.2	9.9
-70°	142.2	102.9	80.6	65.4	49.7	35.5	27.9	20.1	12.2	10.1	8.2
-72.5°	74.2	61.7	48.8	36.3	30.0	23.5	16.8	11.5	9.9	8.2	6.5
-75°	38.5	32.8	27.7	22.4	16.9	11.8	10.5	9.1	7.6	6.2	5.6
-77.5°	21.1	17.0	12.7	11.1	10.0	8.9	7.8	6.6	5.8	5.4	5.0
-80°	10.2	9.4	8.6	7.7	6.8	6.0	5.7	5.4	5.0	4.7	4.4
-82.5°	6.1	5.9	5.6	5.4	5.2	5.0	4.8	4.5	4.3	4.0	3.6
-85°	4.7	4.6	4.4	4.3	4.1	4.0	3.7	3.4	3.1	2.7	2.4
-87.5°	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.2
-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°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
85°	2.1	1.7	1.4	1.0	0.7	0.3	0.0
82.5°	3.1	2.6	2.1	1.6	1.0	0.5	0.0
80°	4.1	3.4	2.8	2.1	1.4	0.7	0.0
77.5°	4.6	4.1	3.4	2.6	1.7	0.9	0.0
75°	5.1	4.6	4.1	3.1	2.1	1.0	0.0
72.5°	5.6	5.0	4.4	3.6	2.4	1.2	0.0
70°	6.2	5.4	4.7	4.0	2.7	1.4	0.0
67.5°	7.6	5.8	5.0	4.3	3.1	1.5	0.0
65°	9.1	6.6	5.4	4.5	3.4	1.7	0.0
62.5°	10.5	7.8	5.7	4.8	3.7	1.8	0.0
60°	11.8	8.9	6.0	5.0	4.0	2.0	0.0
57.5°	16.9	10.0	6.8	5.2	4.1	2.1	0.0
55°	22.4	11.1	7.7	5.4	4.3	2.3	0.0
52.5°	27.7	12.7	8.6	5.6	4.4	2.4	0.0
50°	32.8	17.0	9.4	5.9	4.6	2.6	0.0
47.5°	38.5	21.1	10.2	6.1	4.7	2.7	0.0
45°	48.8	25.0	10.9	6.7	4.8	2.8	0.0
42.5°	58.6	28.8	11.7	7.3	4.9	2.9	0.0
40°	68.0	32.4	13.4	7.8	5.1	3.1	0.0
37.5°	76.9	35.9	16.2	8.3	5.2	3.2	0.0
35°	85.4	41.6	18.8	8.7	5.3	3.3	0.0
32.5°	97.5	48.2	21.2	9.2	5.4	3.4	0.0
30°	118.0	54.4	23.5	9.6	5.5	3.5	0.0
27.5°	137.0	60.1	25.6	10.0	5.5	3.5	0.0
25°	154.5	65.4	27.5	10.3	5.6	3.6	0.0
22.5°	170.5	70.2	29.3	10.6	5.7	3.7	0.0
20°	184.9	74.5	30.9	10.9	5.8	3.8	0.0
17.5°	197.7	78.3	32.3	11.2	5.8	3.8	0.0
15°	208.9	81.7	33.6	11.4	5.9	3.9	0.0
12.5°	218.3	84.5	34.6	11.6	5.9	3.9	0.0
10°	226.1	86.8	35.5	11.7	5.9	3.9	0.0
7.5°	232.2	88.7	36.1	11.8	6.0	4.0	0.0
5°	236.5	90.0	36.6	11.9	6.0	4.0	0.0
2.5°	239.1	90.7	36.9	12.0	6.0	4.0	0.0
0°	240.0	91.0	37.0	12.0	6.0	4.0	0.0
-2.5°	239.1	90.7	36.9	12.0	6.0	4.0	0.0
-5°	236.5	90.0	36.6	11.9	6.0	4.0	0.0
-7.5°	232.2	88.7	36.1	11.8	6.0	4.0	0.0
-10°	226.1	86.8	35.5	11.7	5.9	3.9	0.0
-12.5°	218.3	84.5	34.6	11.6	5.9	3.9	0.0
-15°	208.9	81.7	33.6	11.4	5.9	3.9	0.0
-17.5°	197.7	78.3	32.3	11.2	5.8	3.8	0.0
-20°	184.9	74.5	30.9	10.9	5.8	3.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	170.5	70.2	29.3	10.6	5.7	3.7	0.0
-25°	154.5	65.4	27.5	10.3	5.6	3.6	0.0
-27.5°	137.0	60.1	25.6	10.0	5.5	3.5	0.0
-30°	118.0	54.4	23.5	9.6	5.5	3.5	0.0
-32.5°	97.5	48.2	21.2	9.2	5.4	3.4	0.0
-35°	85.4	41.6	18.8	8.7	5.3	3.3	0.0
-37.5°	76.9	35.9	16.2	8.3	5.2	3.2	0.0
-40°	68.0	32.4	13.4	7.8	5.1	3.1	0.0
-42.5°	58.6	28.8	11.7	7.3	4.9	2.9	0.0
-45°	48.8	25.0	10.9	6.7	4.8	2.8	0.0
-47.5°	38.5	21.1	10.2	6.1	4.7	2.7	0.0
-50°	32.8	17.0	9.4	5.9	4.6	2.6	0.0
-52.5°	27.7	12.7	8.6	5.6	4.4	2.4	0.0
-55°	22.4	11.1	7.7	5.4	4.3	2.3	0.0
-57.5°	16.9	10.0	6.8	5.2	4.1	2.1	0.0
-60°	11.8	8.9	6.0	5.0	4.0	2.0	0.0
-62.5°	10.5	7.8	5.7	4.8	3.7	1.8	0.0
-65°	9.1	6.6	5.4	4.5	3.4	1.7	0.0
-67.5°	7.6	5.8	5.0	4.3	3.1	1.5	0.0
-70°	6.2	5.4	4.7	4.0	2.7	1.4	0.0
-72.5°	5.6	5.0	4.4	3.6	2.4	1.2	0.0
-75°	5.1	4.6	4.1	3.1	2.1	1.0	0.0
-77.5°	4.6	4.1	3.4	2.6	1.7	0.9	0.0
-80°	4.1	3.4	2.8	2.1	1.4	0.7	0.0
-82.5°	3.1	2.6	2.1	1.6	1.0	0.5	0.0
-85°	2.1	1.7	1.4	1.0	0.7	0.3	0.0
-87.5°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)