

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: P1212073 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-40-70-2S-HEG**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212073 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-23)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: EPHESUS
Catalog Number: EPH-LS12-1000R-40-70-2S-HEG
Description: EPHESUS LS12 LUMINAIRE
(12) 4000K, 70 CRI LEDS AND 2S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

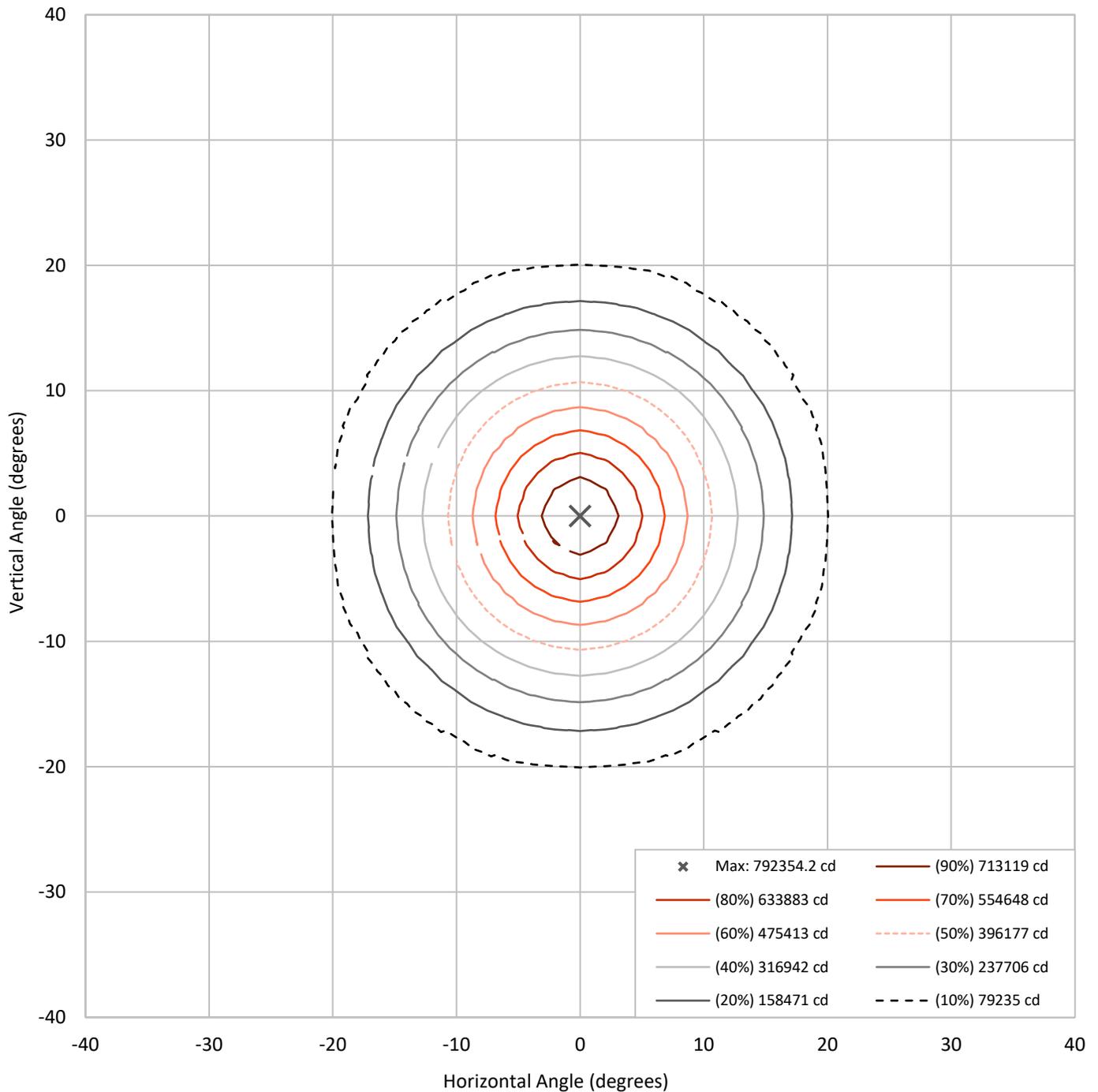
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	155886.2 lumens	Max Intensity:	792354.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	144.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	21.4°H x 21.4°V	Field Angle (10%):	40.1°H x 40.1°V
Beam Lumens:	54512.5 lumens	Field Lumens:	116123.8 lumens
Beam Efficiency:	35.0%	Field Efficiency:	74.5%
Input Watts (W):	1078.1		
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-40-70-2S-HEG

Iso-Candela Plot





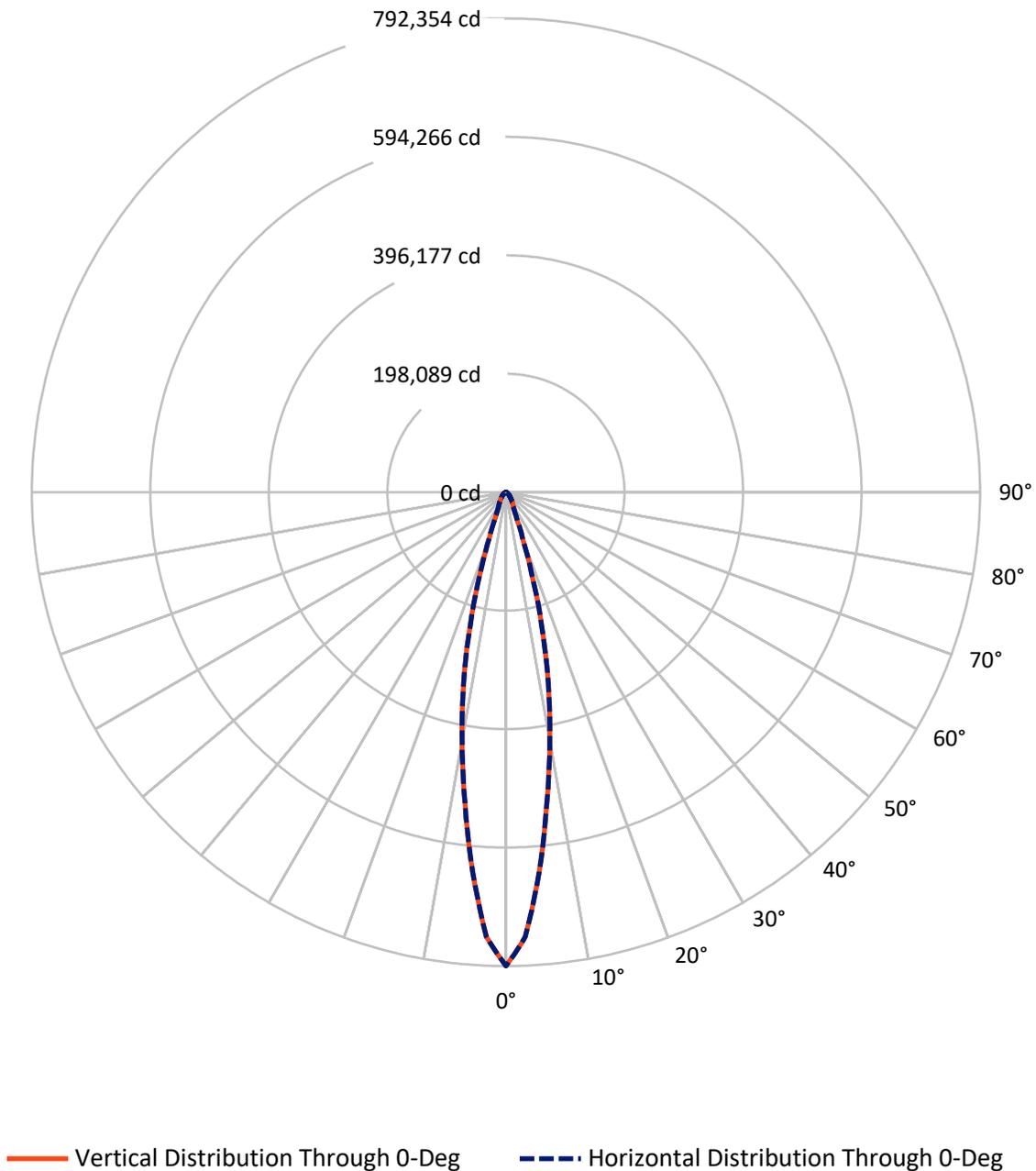
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Lumen Table

90	0.2	1.3	5.5	14.0	18.4	14.0	5.5	1.3	0.2										
80	0.2	1.3	5.5	14.0	18.4	14.0	5.5	1.3	0.2										
70	0.6	0.8	3.5	10.1	20.4	31.8	41.5	46.9	46.9	41.5	31.8	20.4	10.1	3.5	0.8	0.6			
60		2.6	11.9	29.7	54.1	84.2	111.9	127.9	127.9	111.9	84.2	54.1	29.7	11.9	2.6				
50	1.9	6.3	24.3	57.3	110.6	173.9	230.9	264.3	264.3	230.9	173.9	110.6	57.3	24.3	6.3	1.9			
40		10.9	38.3	95.9	184.9	291.4	410.9	495.8	495.8	410.9	291.4	184.9	95.9	38.3	10.9				
30	4.1	15.3	54.1	136.6	264.0	467.7	740.8	1092.8	1092.8	740.8	467.7	264.0	136.6	54.1	15.3	4.1			
20		18.8	67.6	170.3	350.2	696.8	2304.3	6156.9	6156.9	2304.3	696.8	350.2	170.3	67.6	18.8				
10	5.1	20.6	74.9	189.1	410.1	1001.1	5998.7	15728.6	15728.6	5998.7	1001.1	410.1	189.1	74.9	20.6	5.1			
0		20.6	74.9	189.1	410.1	1001.1	5998.7	15728.6	15728.6	5998.7	1001.1	410.1	189.1	74.9	20.6				
-10	4.1	18.8	67.6	170.3	350.2	696.8	2304.3	6156.9	6156.9	2304.3	696.8	350.2	170.3	67.6	18.8	4.1			
-20		15.3	54.1	136.6	264.0	467.7	740.8	1092.8	1092.8	740.8	467.7	264.0	136.6	54.1	15.3				
-30	1.9	10.9	38.3	95.9	184.9	291.4	410.9	495.8	495.8	410.9	291.4	184.9	95.9	38.3	10.9	1.9			
-40		6.3	24.3	57.3	110.6	173.9	230.9	264.3	264.3	230.9	173.9	110.6	57.3	24.3	6.3				
-50	0.6	2.6	11.9	29.7	54.1	84.2	111.9	127.9	127.9	111.9	84.2	54.1	29.7	11.9	2.6	0.6			
-60		0.8	3.5	10.1	20.4	31.8	41.5	46.9	46.9	41.5	31.8	20.4	10.1	3.5	0.8				
-70	0.2	0.8	3.5	10.1	20.4	31.8	41.5	46.9	46.9	41.5	31.8	20.4	10.1	3.5	0.8	0.2			
-80		0.2	1.3	5.5	14.0	18.4	14.0	5.5	1.3	0.2									
-90	0.2	1.3	5.5	14.0	18.4	14.0	5.5	1.3	0.2										

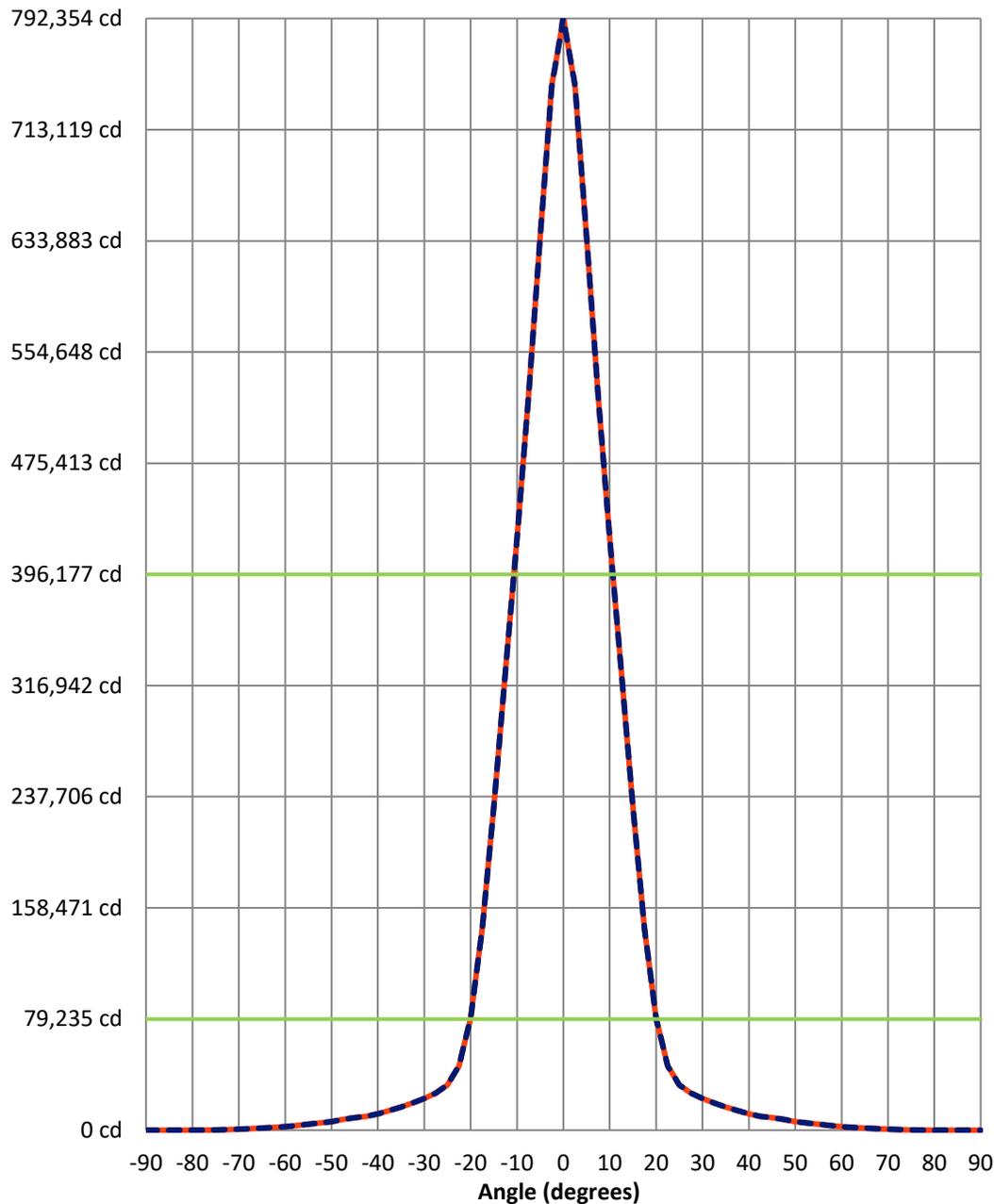
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 21.4°
 V Angle: 21.4°
 Lumens: 54512.5
 Efficiency: 35.0%

Field:
 H Angle: 40.1°
 V Angle: 40.1°
 Lumens: 116123.8
 Efficiency: 74.5%

Spill:
 Lumens: 39762.4
 Efficiency: 25.5%

- 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	0.7	1.3	2.0	2.6	3.2	3.9	4.5	5.1	5.7	6.3
85°	0.0	1.3	2.6	3.9	5.2	6.5	7.8	9.0	10.2	11.5	12.7
82.5°	0.0	2.0	3.9	5.9	7.8	9.7	11.6	13.5	15.0	15.3	15.5
80°	0.0	2.6	5.2	7.8	10.4	12.9	15.1	15.4	15.7	16.0	16.4
77.5°	0.0	3.2	6.5	9.7	12.9	15.1	15.6	16.0	16.4	16.8	17.9
75°	0.0	3.9	7.8	11.6	15.1	15.6	16.1	16.6	17.3	19.5	21.6
72.5°	0.0	4.5	9.0	13.5	15.4	16.0	16.6	17.7	20.3	22.8	25.3
70°	0.0	5.1	10.2	15.0	15.7	16.4	17.3	20.3	23.2	26.2	32.8
67.5°	0.0	5.7	11.5	15.3	16.0	16.8	19.5	22.8	26.2	33.7	41.2
65°	0.0	6.3	12.7	15.5	16.4	17.9	21.6	25.3	32.8	41.2	52.4
62.5°	0.0	6.9	13.8	15.8	16.7	19.6	23.7	30.0	39.3	50.3	70.6
60°	0.0	7.5	15.0	16.0	17.0	21.4	25.8	35.6	45.7	66.4	88.3
57.5°	0.0	8.1	15.1	16.2	18.3	23.0	30.1	41.1	58.1	82.1	127.5
55°	0.0	8.6	15.3	16.4	19.6	24.7	34.7	46.4	71.7	103.6	175.9
52.5°	0.0	9.1	15.4	16.6	20.8	26.6	39.1	57.3	84.9	146.1	223.1
50°	0.0	9.6	15.6	16.9	22.1	30.2	43.4	68.5	104.7	187.3	293.0
47.5°	0.0	10.1	15.7	17.2	23.3	33.6	48.3	79.4	140.1	227.1	363.4
45°	0.0	10.6	15.8	18.1	24.4	36.9	57.3	89.8	174.2	287.6	431.4
42.5°	0.0	11.1	15.9	18.9	25.5	40.1	65.8	110.6	206.9	346.3	518.0
40°	0.0	11.5	16.1	19.7	27.2	43.2	74.0	137.8	244.1	402.4	604.4
37.5°	0.0	11.9	16.2	20.4	29.5	46.1	81.8	163.8	291.4	461.5	686.8
35°	0.0	12.3	16.3	21.1	31.7	51.0	89.1	188.3	336.2	531.4	774.9
32.5°	0.0	12.6	16.4	21.8	33.7	56.7	99.8	211.5	378.4	597.3	873.2
30°	0.0	13.0	16.5	22.4	35.7	62.1	118.3	236.1	417.9	659.1	965.3
27.5°	0.0	13.3	16.5	22.9	37.4	67.1	135.4	268.0	459.9	716.5	1051.1
25°	0.0	13.6	16.6	23.5	39.1	71.7	151.2	297.4	506.6	781.0	1130.5
22.5°	0.0	13.9	16.7	23.9	40.5	75.9	165.5	324.3	549.2	845.5	1207.9
20°	0.0	14.1	16.8	24.4	41.9	79.6	178.5	348.4	587.7	903.7	1277.7
17.5°	0.0	14.3	16.8	24.7	43.1	83.0	190.0	369.9	621.8	955.4	1339.8
15°	0.0	14.5	16.9	25.1	44.1	85.9	200.0	388.6	651.6	1000.6	1394.0
12.5°	0.0	14.6	16.9	25.4	45.0	88.3	208.5	404.6	677.0	1039.0	1440.1
10°	0.0	14.8	16.9	25.6	45.7	90.4	215.5	417.6	697.8	1070.5	1478.1
7.5°	0.0	14.9	17.0	25.8	46.3	92.0	221.0	427.8	714.0	1095.2	1507.7
5°	0.0	14.9	17.0	25.9	46.7	93.1	224.9	435.1	725.7	1112.8	1529.0
2.5°	0.0	15.0	17.0	26.0	46.9	93.8	227.2	439.5	732.7	1123.5	1541.7
0°	0.0	15.0	17.0	26.0	47.0	94.0	228.0	441.0	735.0	1127.0	1546.0
-2.5°	0.0	15.0	17.0	26.0	46.9	93.8	227.2	439.5	732.7	1123.5	1541.7
-5°	0.0	14.9	17.0	25.9	46.7	93.1	224.9	435.1	725.7	1112.8	1529.0
-7.5°	0.0	14.9	17.0	25.8	46.3	92.0	221.0	427.8	714.0	1095.2	1507.7
-10°	0.0	14.8	16.9	25.6	45.7	90.4	215.5	417.6	697.8	1070.5	1478.1
-12.5°	0.0	14.6	16.9	25.4	45.0	88.3	208.5	404.6	677.0	1039.0	1440.1
-15°	0.0	14.5	16.9	25.1	44.1	85.9	200.0	388.6	651.6	1000.6	1394.0
-17.5°	0.0	14.3	16.8	24.7	43.1	83.0	190.0	369.9	621.8	955.4	1339.8
-20°	0.0	14.1	16.8	24.4	41.9	79.6	178.5	348.4	587.7	903.7	1277.7



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	13.9	16.7	23.9	40.5	75.9	165.5	324.3	549.2	845.5	1207.9
-25°	0.0	13.6	16.6	23.5	39.1	71.7	151.2	297.4	506.6	781.0	1130.5
-27.5°	0.0	13.3	16.5	22.9	37.4	67.1	135.4	268.0	459.9	716.5	1051.1
-30°	0.0	13.0	16.5	22.4	35.7	62.1	118.3	236.1	417.9	659.1	965.3
-32.5°	0.0	12.6	16.4	21.8	33.7	56.7	99.8	211.5	378.4	597.3	873.2
-35°	0.0	12.3	16.3	21.1	31.7	51.0	89.1	188.3	336.2	531.4	774.9
-37.5°	0.0	11.9	16.2	20.4	29.5	46.1	81.8	163.8	291.4	461.5	686.8
-40°	0.0	11.5	16.1	19.7	27.2	43.2	74.0	137.8	244.1	402.4	604.4
-42.5°	0.0	11.1	15.9	18.9	25.5	40.1	65.8	110.6	206.9	346.3	518.0
-45°	0.0	10.6	15.8	18.1	24.4	36.9	57.3	89.8	174.2	287.6	431.4
-47.5°	0.0	10.1	15.7	17.2	23.3	33.6	48.3	79.4	140.1	227.1	363.4
-50°	0.0	9.6	15.6	16.9	22.1	30.2	43.4	68.5	104.7	187.3	293.0
-52.5°	0.0	9.1	15.4	16.6	20.8	26.6	39.1	57.3	84.9	146.1	223.1
-55°	0.0	8.6	15.3	16.4	19.6	24.7	34.7	46.4	71.7	103.6	175.9
-57.5°	0.0	8.1	15.1	16.2	18.3	23.0	30.1	41.1	58.1	82.1	127.5
-60°	0.0	7.5	15.0	16.0	17.0	21.4	25.8	35.6	45.7	66.4	88.3
-62.5°	0.0	6.9	13.8	15.8	16.7	19.6	23.7	30.0	39.3	50.3	70.6
-65°	0.0	6.3	12.7	15.5	16.4	17.9	21.6	25.3	32.8	41.2	52.4
-67.5°	0.0	5.7	11.5	15.3	16.0	16.8	19.5	22.8	26.2	33.7	41.2
-70°	0.0	5.1	10.2	15.0	15.7	16.4	17.3	20.3	23.2	26.2	32.8
-72.5°	0.0	4.5	9.0	13.5	15.4	16.0	16.6	17.7	20.3	22.8	25.3
-75°	0.0	3.9	7.8	11.6	15.1	15.6	16.1	16.6	17.3	19.5	21.6
-77.5°	0.0	3.2	6.5	9.7	12.9	15.1	15.6	16.0	16.4	16.8	17.9
-80°	0.0	2.6	5.2	7.8	10.4	12.9	15.1	15.4	15.7	16.0	16.4
-82.5°	0.0	2.0	3.9	5.9	7.8	9.7	11.6	13.5	15.0	15.3	15.5
-85°	0.0	1.3	2.6	3.9	5.2	6.5	7.8	9.0	10.2	11.5	12.7
-87.5°	0.0	0.7	1.3	2.0	2.6	3.2	3.9	4.5	5.1	5.7	6.3
-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):

	-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°	6.9	7.5	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.5	11.9
85°	13.8	15.0	15.1	15.3	15.4	15.6	15.7	15.8	15.9	16.1	16.2
82.5°	15.8	16.0	16.2	16.4	16.6	16.9	17.2	18.1	18.9	19.7	20.4
80°	16.7	17.0	18.3	19.6	20.8	22.1	23.3	24.4	25.5	27.2	29.5
77.5°	19.6	21.4	23.0	24.7	26.6	30.2	33.6	36.9	40.1	43.2	46.1
75°	23.7	25.8	30.1	34.7	39.1	43.4	48.3	57.3	65.8	74.0	81.8
72.5°	30.0	35.6	41.1	46.4	57.3	68.5	79.4	89.8	110.6	137.8	163.8
70°	39.3	45.7	58.1	71.7	84.9	104.7	140.1	174.2	206.9	244.1	291.4
67.5°	50.3	66.4	82.1	103.6	146.1	187.3	227.1	287.6	346.3	402.4	461.5
65°	70.6	88.3	127.5	175.9	223.1	293.0	363.4	431.4	518.0	604.4	686.8
62.5°	90.4	139.5	194.0	258.5	340.9	421.1	520.6	624.1	723.7	847.1	968.5
60°	139.5	200.0	277.8	369.9	467.0	587.7	704.7	845.5	990.8	1130.5	1272.9
57.5°	194.0	277.8	379.6	493.9	628.2	767.0	936.4	1100.2	1267.3	1429.5	1586.6
55°	258.5	369.9	493.9	641.8	803.5	991.3	1177.1	1366.2	1549.0	1733.0	1909.2
52.5°	340.9	467.0	628.2	803.5	1009.7	1216.8	1426.1	1633.2	1839.0	2049.7	2285.6
50°	421.1	587.7	767.0	991.3	1216.8	1446.2	1675.6	1903.2	2156.9	2420.7	2745.8
47.5°	520.6	704.7	936.4	1177.1	1426.1	1675.6	1924.7	2210.9	2502.6	2910.9	3316.8
45°	624.1	845.5	1100.2	1366.2	1633.2	1903.2	2210.9	2530.0	2994.1	3460.7	3971.6
42.5°	723.7	990.8	1267.3	1549.0	1839.0	2156.9	2502.6	2994.1	3510.7	4073.1	4591.0
40°	847.1	1130.5	1429.5	1733.0	2049.7	2420.7	2910.9	3460.7	4073.1	4638.5	5167.0
37.5°	968.5	1272.9	1586.6	1909.2	2285.6	2745.8	3316.8	3971.6	4591.0	5167.0	5752.2
35°	1083.9	1408.3	1741.3	2099.3	2510.8	3108.4	3770.2	4449.1	5070.2	5700.2	6467.7
32.5°	1197.3	1536.2	1887.8	2296.9	2821.2	3472.4	4207.1	4878.4	5545.1	6281.4	7422.2
30°	1306.5	1661.7	2035.3	2482.9	3123.0	3856.7	4594.9	5290.0	6002.3	7137.4	8185.1
27.5°	1408.3	1779.2	2194.9	2719.9	3416.2	4217.1	4951.4	5692.1	6669.2	7896.5	8829.8
25°	1502.3	1887.8	2342.7	2961.3	3725.6	4532.1	5287.8	6067.4	7376.7	8462.5	9322.9
22.5°	1590.2	1987.7	2478.1	3182.7	4009.9	4815.1	5609.1	6635.1	7959.8	8981.8	9752.2
20°	1671.6	2099.3	2635.9	3390.1	4267.9	5072.3	5901.5	7189.7	8406.2	9348.0	10392.2
17.5°	1744.1	2198.7	2799.6	3601.6	4482.9	5307.9	6195.8	7687.8	8807.9	9678.5	11086.2
15°	1807.3	2285.6	2942.8	3786.7	4668.4	5520.0	6600.1	8030.4	9114.7	10049.8	11707.6
12.5°	1861.2	2359.7	3064.9	3944.8	4827.0	5701.4	6946.4	8311.1	9346.7	10539.4	12415.6
10°	1905.6	2420.7	3165.6	4075.1	4957.9	5851.3	7232.8	8543.5	9539.0	10946.2	13005.3
7.5°	1940.2	2468.4	3244.2	4177.1	5060.3	5968.8	7457.5	8726.0	9690.3	11266.6	13470.6
5°	1965.1	2502.6	3300.7	4250.2	5133.9	6053.2	7619.1	8857.3	9799.3	11497.7	13806.8
2.5°	1980.0	2523.1	3334.7	4294.3	5178.2	6104.0	7716.5	8936.5	9865.0	11637.3	14010.0
0°	1985.0	2530.0	3346.0	4309.0	5193.0	6121.0	7749.0	8963.0	9887.0	11684.0	14078.0
-2.5°	1980.0	2523.1	3334.7	4294.3	5178.2	6104.0	7716.5	8936.5	9865.0	11637.3	14010.0
-5°	1965.1	2502.6	3300.7	4250.2	5133.9	6053.2	7619.1	8857.3	9799.3	11497.7	13806.8
-7.5°	1940.2	2468.4	3244.2	4177.1	5060.3	5968.8	7457.5	8726.0	9690.3	11266.6	13470.6
-10°	1905.6	2420.7	3165.6	4075.1	4957.9	5851.3	7232.8	8543.5	9539.0	10946.2	13005.3
-12.5°	1861.2	2359.7	3064.9	3944.8	4827.0	5701.4	6946.4	8311.1	9346.7	10539.4	12415.6
-15°	1807.3	2285.6	2942.8	3786.7	4668.4	5520.0	6600.1	8030.4	9114.7	10049.8	11707.6
-17.5°	1744.1	2198.7	2799.6	3601.6	4482.9	5307.9	6195.8	7687.8	8807.9	9678.5	11086.2
-20°	1671.6	2099.3	2635.9	3390.1	4267.9	5072.3	5901.5	7189.7	8406.2	9348.0	10392.2



REPORT NUMBER: P1212073 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-70-2S-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1590.2	1987.7	2478.1	3182.7	4009.9	4815.1	5609.1	6635.1	7959.8	8981.8	9752.2
-25°	1502.3	1887.8	2342.7	2961.3	3725.6	4532.1	5287.8	6067.4	7376.7	8462.5	9322.9
-27.5°	1408.3	1779.2	2194.9	2719.9	3416.2	4217.1	4951.4	5692.1	6669.2	7896.5	8829.8
-30°	1306.5	1661.7	2035.3	2482.9	3123.0	3856.7	4594.9	5290.0	6002.3	7137.4	8185.1
-32.5°	1197.3	1536.2	1887.8	2296.9	2821.2	3472.4	4207.1	4878.4	5545.1	6281.4	7422.2
-35°	1083.9	1408.3	1741.3	2099.3	2510.8	3108.4	3770.2	4449.1	5070.2	5700.2	6467.7
-37.5°	968.5	1272.9	1586.6	1909.2	2285.6	2745.8	3316.8	3971.6	4591.0	5167.0	5752.2
-40°	847.1	1130.5	1429.5	1733.0	2049.7	2420.7	2910.9	3460.7	4073.1	4638.5	5167.0
-42.5°	723.7	990.8	1267.3	1549.0	1839.0	2156.9	2502.6	2994.1	3510.7	4073.1	4591.0
-45°	624.1	845.5	1100.2	1366.2	1633.2	1903.2	2210.9	2530.0	2994.1	3460.7	3971.6
-47.5°	520.6	704.7	936.4	1177.1	1426.1	1675.6	1924.7	2210.9	2502.6	2910.9	3316.8
-50°	421.1	587.7	767.0	991.3	1216.8	1446.2	1675.6	1903.2	2156.9	2420.7	2745.8
-52.5°	340.9	467.0	628.2	803.5	1009.7	1216.8	1426.1	1633.2	1839.0	2049.7	2285.6
-55°	258.5	369.9	493.9	641.8	803.5	991.3	1177.1	1366.2	1549.0	1733.0	1909.2
-57.5°	194.0	277.8	379.6	493.9	628.2	767.0	936.4	1100.2	1267.3	1429.5	1586.6
-60°	139.5	200.0	277.8	369.9	467.0	587.7	704.7	845.5	990.8	1130.5	1272.9
-62.5°	90.4	139.5	194.0	258.5	340.9	421.1	520.6	624.1	723.7	847.1	968.5
-65°	70.6	88.3	127.5	175.9	223.1	293.0	363.4	431.4	518.0	604.4	686.8
-67.5°	50.3	66.4	82.1	103.6	146.1	187.3	227.1	287.6	346.3	402.4	461.5
-70°	39.3	45.7	58.1	71.7	84.9	104.7	140.1	174.2	206.9	244.1	291.4
-72.5°	30.0	35.6	41.1	46.4	57.3	68.5	79.4	89.8	110.6	137.8	163.8
-75°	23.7	25.8	30.1	34.7	39.1	43.4	48.3	57.3	65.8	74.0	81.8
-77.5°	19.6	21.4	23.0	24.7	26.6	30.2	33.6	36.9	40.1	43.2	46.1
-80°	16.7	17.0	18.3	19.6	20.8	22.1	23.3	24.4	25.5	27.2	29.5
-82.5°	15.8	16.0	16.2	16.4	16.6	16.9	17.2	18.1	18.9	19.7	20.4
-85°	13.8	15.0	15.1	15.3	15.4	15.6	15.7	15.8	15.9	16.1	16.2
-87.5°	6.9	7.5	8.1	8.6	9.1	9.6	10.1	10.6	11.1	11.5	11.9
-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: P1212073 (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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.3	12.6	13.0	13.3	13.6	13.9	14.1	14.3	14.5	14.6	14.8
85°	16.3	16.4	16.5	16.5	16.6	16.7	16.8	16.8	16.9	16.9	16.9
82.5°	21.1	21.8	22.4	22.9	23.5	23.9	24.4	24.7	25.1	25.4	25.6
80°	31.7	33.7	35.7	37.4	39.1	40.5	41.9	43.1	44.1	45.0	45.7
77.5°	51.0	56.7	62.1	67.1	71.7	75.9	79.6	83.0	85.9	88.3	90.4
75°	89.1	99.8	118.3	135.4	151.2	165.5	178.5	190.0	200.0	208.5	215.5
72.5°	188.3	211.5	236.1	268.0	297.4	324.3	348.4	369.9	388.6	404.6	417.6
70°	336.2	378.4	417.9	459.9	506.6	549.2	587.7	621.8	651.6	677.0	697.8
67.5°	531.4	597.3	659.1	716.5	781.0	845.5	903.7	955.4	1000.6	1039.0	1070.5
65°	774.9	873.2	965.3	1051.1	1130.5	1207.9	1277.7	1339.8	1394.0	1440.1	1478.1
62.5°	1083.9	1197.3	1306.5	1408.3	1502.3	1590.2	1671.6	1744.1	1807.3	1861.2	1905.6
60°	1408.3	1536.2	1661.7	1779.2	1887.8	1987.7	2099.3	2198.7	2285.6	2359.7	2420.7
57.5°	1741.3	1887.8	2035.3	2194.9	2342.7	2478.1	2635.9	2799.6	2942.8	3064.9	3165.6
55°	2099.3	2296.9	2482.9	2719.9	2961.3	3182.7	3390.1	3601.6	3786.7	3944.8	4075.1
52.5°	2510.8	2821.2	3123.0	3416.2	3725.6	4009.9	4267.9	4482.9	4668.4	4827.0	4957.9
50°	3108.4	3472.4	3856.7	4217.1	4532.1	4815.1	5072.3	5307.9	5520.0	5701.4	5851.3
47.5°	3770.2	4207.1	4594.9	4951.4	5287.8	5609.1	5901.5	6195.8	6600.1	6946.4	7232.8
45°	4449.1	4878.4	5290.0	5692.1	6067.4	6635.1	7189.7	7687.8	8030.4	8311.1	8543.5
42.5°	5070.2	5545.1	6002.3	6669.2	7376.7	7959.8	8406.2	8807.9	9114.7	9346.7	9539.0
40°	5700.2	6281.4	7137.4	7896.5	8462.5	8981.8	9348.0	9678.5	10049.8	10539.4	10946.2
37.5°	6467.7	7422.2	8185.1	8829.8	9322.9	9752.2	10392.2	11086.2	11707.6	12415.6	13005.3
35°	7517.9	8331.1	9032.0	9555.0	10200.8	11096.5	12001.5	12999.9	13888.0	14671.2	15329.0
32.5°	8331.1	9089.2	9672.6	10552.5	11577.0	12820.3	14003.7	15106.1	16091.7	17028.3	17882.8
30°	9032.0	9672.6	10670.8	11866.1	13321.6	14705.7	16008.9	17329.2	18602.2	19735.8	20750.3
27.5°	9555.0	10552.5	11866.1	13490.4	15063.3	16569.6	18237.4	19798.5	21299.0	22615.2	23979.1
25°	10200.8	11577.0	13321.6	15063.3	16792.3	18700.3	20581.1	22379.9	24326.9	26093.6	28120.4
22.5°	11096.5	12820.3	14705.7	16569.6	18700.3	20845.7	23003.9	25389.4	28079.3	30956.7	34942.0
20°	12001.5	14003.7	16008.9	18237.4	20581.1	23003.9	25749.7	29205.9	33314.7	40773.2	49108.2
17.5°	12999.9	15106.1	17329.2	19798.5	22379.9	25389.4	29205.9	34740.3	43796.3	61076.9	79000.9
15°	13888.0	16091.7	18602.2	21299.0	24326.9	28079.3	33314.7	43796.3	65182.1	94478.0	131859.1
12.5°	14671.2	17028.3	19735.8	22615.2	26093.6	30956.7	40773.2	61076.9	94478.0	140938.2	197327.6
10°	15329.0	17882.8	20750.3	23979.1	28120.4	34942.0	49108.2	79000.9	131859.1	197327.6	265203.8
7.5°	15849.3	18560.6	21557.7	25070.2	29913.2	39643.6	62243.6	105676.0	170390.1	248182.6	327893.8
5°	16225.8	19052.2	22144.8	25866.4	31227.3	43109.7	72002.5	126392.2	203059.4	290587.5	378470.2
2.5°	16453.7	19350.2	22501.5	26351.3	32030.0	45236.1	78024.4	139280.4	223628.9	317687.0	410688.9
0°	16530.0	19450.1	22621.1	26514.1	32300.1	45953.1	80061.2	143659.4	230665.6	327015.5	421928.2
-2.5°	16453.7	19350.2	22501.5	26351.3	32030.0	45236.1	78024.4	139280.4	223628.9	317687.0	410688.9
-5°	16225.8	19052.2	22144.8	25866.4	31227.3	43109.7	72002.5	126392.2	203059.4	290587.5	378470.2
-7.5°	15849.3	18560.6	21557.7	25070.2	29913.2	39643.6	62243.6	105676.0	170390.1	248182.6	327893.8
-10°	15329.0	17882.8	20750.3	23979.1	28120.4	34942.0	49108.2	79000.9	131859.1	197327.6	265203.8
-12.5°	14671.2	17028.3	19735.8	22615.2	26093.6	30956.7	40773.2	61076.9	94478.0	140938.2	197327.6
-15°	13888.0	16091.7	18602.2	21299.0	24326.9	28079.3	33314.7	43796.3	65182.1	94478.0	131859.1
-17.5°	12999.9	15106.1	17329.2	19798.5	22379.9	25389.4	29205.9	34740.3	43796.3	61076.9	79000.9
-20°	12001.5	14003.7	16008.9	18237.4	20581.1	23003.9	25749.7	29205.9	33314.7	40773.2	49108.2



REPORT NUMBER: P1212073 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-70-2S-HEG

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11096.5	12820.3	14705.7	16569.6	18700.3	20845.7	23003.9	25389.4	28079.3	30956.7	34942.0
-25°	10200.8	11577.0	13321.6	15063.3	16792.3	18700.3	20581.1	22379.9	24326.9	26093.6	28120.4
-27.5°	9555.0	10552.5	11866.1	13490.4	15063.3	16569.6	18237.4	19798.5	21299.0	22615.2	23979.1
-30°	9032.0	9672.6	10670.8	11866.1	13321.6	14705.7	16008.9	17329.2	18602.2	19735.8	20750.3
-32.5°	8331.1	9089.2	9672.6	10552.5	11577.0	12820.3	14003.7	15106.1	16091.7	17028.3	17882.8
-35°	7517.9	8331.1	9032.0	9555.0	10200.8	11096.5	12001.5	12999.9	13888.0	14671.2	15329.0
-37.5°	6467.7	7422.2	8185.1	8829.8	9322.9	9752.2	10392.2	11086.2	11707.6	12415.6	13005.3
-40°	5700.2	6281.4	7137.4	7896.5	8462.5	8981.8	9348.0	9678.5	10049.8	10539.4	10946.2
-42.5°	5070.2	5545.1	6002.3	6669.2	7376.7	7959.8	8406.2	8807.9	9114.7	9346.7	9539.0
-45°	4449.1	4878.4	5290.0	5692.1	6067.4	6635.1	7189.7	7687.8	8030.4	8311.1	8543.5
-47.5°	3770.2	4207.1	4594.9	4951.4	5287.8	5609.1	5901.5	6195.8	6600.1	6946.4	7232.8
-50°	3108.4	3472.4	3856.7	4217.1	4532.1	4815.1	5072.3	5307.9	5520.0	5701.4	5851.3
-52.5°	2510.8	2821.2	3123.0	3416.2	3725.6	4009.9	4267.9	4482.9	4668.4	4827.0	4957.9
-55°	2099.3	2296.9	2482.9	2719.9	2961.3	3182.7	3390.1	3601.6	3786.7	3944.8	4075.1
-57.5°	1741.3	1887.8	2035.3	2194.9	2342.7	2478.1	2635.9	2799.6	2942.8	3064.9	3165.6
-60°	1408.3	1536.2	1661.7	1779.2	1887.8	1987.7	2099.3	2198.7	2285.6	2359.7	2420.7
-62.5°	1083.9	1197.3	1306.5	1408.3	1502.3	1590.2	1671.6	1744.1	1807.3	1861.2	1905.6
-65°	774.9	873.2	965.3	1051.1	1130.5	1207.9	1277.7	1339.8	1394.0	1440.1	1478.1
-67.5°	531.4	597.3	659.1	716.5	781.0	845.5	903.7	955.4	1000.6	1039.0	1070.5
-70°	336.2	378.4	417.9	459.9	506.6	549.2	587.7	621.8	651.6	677.0	697.8
-72.5°	188.3	211.5	236.1	268.0	297.4	324.3	348.4	369.9	388.6	404.6	417.6
-75°	89.1	99.8	118.3	135.4	151.2	165.5	178.5	190.0	200.0	208.5	215.5
-77.5°	51.0	56.7	62.1	67.1	71.7	75.9	79.6	83.0	85.9	88.3	90.4
-80°	31.7	33.7	35.7	37.4	39.1	40.5	41.9	43.1	44.1	45.0	45.7
-82.5°	21.1	21.8	22.4	22.9	23.5	23.9	24.4	24.7	25.1	25.4	25.6
-85°	16.3	16.4	16.5	16.5	16.6	16.7	16.8	16.8	16.9	16.9	16.9
-87.5°	12.3	12.6	13.0	13.3	13.6	13.9	14.1	14.3	14.5	14.6	14.8
-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: P1212073 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-100R-40-70-2S-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°	14.9	14.9	15.0	15.0	15.0	14.9	14.9	14.8	14.6	14.5	14.3
85°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	16.9	16.9	16.9	16.8
82.5°	25.8	25.9	26.0	26.0	26.0	25.9	25.8	25.6	25.4	25.1	24.7
80°	46.3	46.7	46.9	47.0	46.9	46.7	46.3	45.7	45.0	44.1	43.1
77.5°	92.0	93.1	93.8	94.0	93.8	93.1	92.0	90.4	88.3	85.9	83.0
75°	221.0	224.9	227.2	228.0	227.2	224.9	221.0	215.5	208.5	200.0	190.0
72.5°	427.8	435.1	439.5	441.0	439.5	435.1	427.8	417.6	404.6	388.6	369.9
70°	714.0	725.7	732.7	735.0	732.7	725.7	714.0	697.8	677.0	651.6	621.8
67.5°	1095.2	1112.8	1123.5	1127.0	1123.5	1112.8	1095.2	1070.5	1039.0	1000.6	955.4
65°	1507.7	1529.0	1541.7	1546.0	1541.7	1529.0	1507.7	1478.1	1440.1	1394.0	1339.8
62.5°	1940.2	1965.1	1980.0	1985.0	1980.0	1965.1	1940.2	1905.6	1861.2	1807.3	1744.1
60°	2468.4	2502.6	2523.1	2530.0	2523.1	2502.6	2468.4	2420.7	2359.7	2285.6	2198.7
57.5°	3244.2	3300.7	3334.7	3346.0	3334.7	3300.7	3244.2	3165.6	3064.9	2942.8	2799.6
55°	4177.1	4250.2	4294.3	4309.0	4294.3	4250.2	4177.1	4075.1	3944.8	3786.7	3601.6
52.5°	5060.3	5133.9	5178.2	5193.0	5178.2	5133.9	5060.3	4957.9	4827.0	4668.4	4482.9
50°	5968.8	6053.2	6104.0	6121.0	6104.0	6053.2	5968.8	5851.3	5701.4	5520.0	5307.9
47.5°	7457.5	7619.1	7716.5	7749.0	7716.5	7619.1	7457.5	7232.8	6946.4	6600.1	6195.8
45°	8726.0	8857.3	8936.5	8963.0	8936.5	8857.3	8726.0	8543.5	8311.1	8030.4	7687.8
42.5°	9690.3	9799.3	9865.0	9887.0	9865.0	9799.3	9690.3	9539.0	9346.7	9114.7	8807.9
40°	11266.6	11497.7	11637.3	11684.0	11637.3	11497.7	11266.6	10946.2	10539.4	10049.8	9678.5
37.5°	13470.6	13806.8	14010.0	14078.0	14010.0	13806.8	13470.6	13005.3	12415.6	11707.6	11086.2
35°	15849.3	16225.8	16453.7	16530.0	16453.7	16225.8	15849.3	15329.0	14671.2	13888.0	12999.9
32.5°	18560.6	19052.2	19350.2	19450.1	19350.2	19052.2	18560.6	17882.8	17028.3	16091.7	15106.1
30°	21557.7	22144.8	22501.5	22621.1	22501.5	22144.8	21557.7	20750.3	19735.8	18602.2	17329.2
27.5°	25070.2	25866.4	26351.3	26514.1	26351.3	25866.4	25070.2	23979.1	22615.2	21299.0	19798.5
25°	29913.2	31227.3	32030.0	32300.1	32030.0	31227.3	29913.2	28120.4	26093.6	24326.9	22379.9
22.5°	39643.6	43109.7	45236.1	45953.1	45236.1	43109.7	39643.6	34942.0	30956.7	28079.3	25389.4
20°	62243.6	72002.5	78024.4	80061.2	78024.4	72002.5	62243.6	49108.2	40773.2	33314.7	29205.9
17.5°	105676.0	126392.2	139280.4	143659.4	139280.4	126392.2	105676.0	79000.9	61076.9	43796.3	34740.3
15°	170390.1	203059.4	223628.9	230665.6	223628.9	203059.4	170390.1	131859.1	94478.0	65182.1	43796.3
12.5°	248182.6	290587.5	317687.0	327015.5	317687.0	290587.5	248182.6	197327.6	140938.2	94478.0	61076.9
10°	327893.8	378470.2	410688.9	421928.2	410688.9	378470.2	327893.8	265203.8	197327.6	131859.1	79000.9
7.5°	400111.6	461114.1	506927.5	523873.0	506927.5	461114.1	400111.6	327893.8	248182.6	170390.1	105676.0
5°	461114.1	542078.2	609707.4	636997.8	609707.4	542078.2	461114.1	378470.2	290587.5	203059.4	126392.2
2.5°	506927.5	609707.4	702702.6	744391.6	702702.6	609707.4	506927.5	410688.9	317687.0	223628.9	139280.4
0°	523873.0	636997.8	744391.6	792354.2	744391.6	636997.8	523873.0	421928.2	327015.5	230665.6	143659.4
-2.5°	506927.5	609707.4	702702.6	744391.6	702702.6	609707.4	506927.5	410688.9	317687.0	223628.9	139280.4
-5°	461114.1	542078.2	609707.4	636997.8	609707.4	542078.2	461114.1	378470.2	290587.5	203059.4	126392.2
-7.5°	400111.6	461114.1	506927.5	523873.0	506927.5	461114.1	400111.6	327893.8	248182.6	170390.1	105676.0
-10°	327893.8	378470.2	410688.9	421928.2	410688.9	378470.2	327893.8	265203.8	197327.6	131859.1	79000.9
-12.5°	248182.6	290587.5	317687.0	327015.5	317687.0	290587.5	248182.6	197327.6	140938.2	94478.0	61076.9
-15°	170390.1	203059.4	223628.9	230665.6	223628.9	203059.4	170390.1	131859.1	94478.0	65182.1	43796.3
-17.5°	105676.0	126392.2	139280.4	143659.4	139280.4	126392.2	105676.0	79000.9	61076.9	43796.3	34740.3
-20°	62243.6	72002.5	78024.4	80061.2	78024.4	72002.5	62243.6	49108.2	40773.2	33314.7	29205.9



REPORT NUMBER: P1212073 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-70-2S-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	39643.6	43109.7	45236.1	45953.1	45236.1	43109.7	39643.6	34942.0	30956.7	28079.3	25389.4
-25°	29913.2	31227.3	32030.0	32300.1	32030.0	31227.3	29913.2	28120.4	26093.6	24326.9	22379.9
-27.5°	25070.2	25866.4	26351.3	26514.1	26351.3	25866.4	25070.2	23979.1	22615.2	21299.0	19798.5
-30°	21557.7	22144.8	22501.5	22621.1	22501.5	22144.8	21557.7	20750.3	19735.8	18602.2	17329.2
-32.5°	18560.6	19052.2	19350.2	19450.1	19350.2	19052.2	18560.6	17882.8	17028.3	16091.7	15106.1
-35°	15849.3	16225.8	16453.7	16530.0	16453.7	16225.8	15849.3	15329.0	14671.2	13888.0	12999.9
-37.5°	13470.6	13806.8	14010.0	14078.0	14010.0	13806.8	13470.6	13005.3	12415.6	11707.6	11086.2
-40°	11266.6	11497.7	11637.3	11684.0	11637.3	11497.7	11266.6	10946.2	10539.4	10049.8	9678.5
-42.5°	9690.3	9799.3	9865.0	9887.0	9865.0	9799.3	9690.3	9539.0	9346.7	9114.7	8807.9
-45°	8726.0	8857.3	8936.5	8963.0	8936.5	8857.3	8726.0	8543.5	8311.1	8030.4	7687.8
-47.5°	7457.5	7619.1	7716.5	7749.0	7716.5	7619.1	7457.5	7232.8	6946.4	6600.1	6195.8
-50°	5968.8	6053.2	6104.0	6121.0	6104.0	6053.2	5968.8	5851.3	5701.4	5520.0	5307.9
-52.5°	5060.3	5133.9	5178.2	5193.0	5178.2	5133.9	5060.3	4957.9	4827.0	4668.4	4482.9
-55°	4177.1	4250.2	4294.3	4309.0	4294.3	4250.2	4177.1	4075.1	3944.8	3786.7	3601.6
-57.5°	3244.2	3300.7	3334.7	3346.0	3334.7	3300.7	3244.2	3165.6	3064.9	2942.8	2799.6
-60°	2468.4	2502.6	2523.1	2530.0	2523.1	2502.6	2468.4	2420.7	2359.7	2285.6	2198.7
-62.5°	1940.2	1965.1	1980.0	1985.0	1980.0	1965.1	1940.2	1905.6	1861.2	1807.3	1744.1
-65°	1507.7	1529.0	1541.7	1546.0	1541.7	1529.0	1507.7	1478.1	1440.1	1394.0	1339.8
-67.5°	1095.2	1112.8	1123.5	1127.0	1123.5	1112.8	1095.2	1070.5	1039.0	1000.6	955.4
-70°	714.0	725.7	732.7	735.0	732.7	725.7	714.0	697.8	677.0	651.6	621.8
-72.5°	427.8	435.1	439.5	441.0	439.5	435.1	427.8	417.6	404.6	388.6	369.9
-75°	221.0	224.9	227.2	228.0	227.2	224.9	221.0	215.5	208.5	200.0	190.0
-77.5°	92.0	93.1	93.8	94.0	93.8	93.1	92.0	90.4	88.3	85.9	83.0
-80°	46.3	46.7	46.9	47.0	46.9	46.7	46.3	45.7	45.0	44.1	43.1
-82.5°	25.8	25.9	26.0	26.0	26.0	25.9	25.8	25.6	25.4	25.1	24.7
-85°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	16.9	16.9	16.9	16.8
-87.5°	14.9	14.9	15.0	15.0	15.0	14.9	14.9	14.8	14.6	14.5	14.3
-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: P1212073 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-70-2S-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°	14.1	13.9	13.6	13.3	13.0	12.6	12.3	11.9	11.5	11.1	10.6
85°	16.8	16.7	16.6	16.5	16.5	16.4	16.3	16.2	16.1	15.9	15.8
82.5°	24.4	23.9	23.5	22.9	22.4	21.8	21.1	20.4	19.7	18.9	18.1
80°	41.9	40.5	39.1	37.4	35.7	33.7	31.7	29.5	27.2	25.5	24.4
77.5°	79.6	75.9	71.7	67.1	62.1	56.7	51.0	46.1	43.2	40.1	36.9
75°	178.5	165.5	151.2	135.4	118.3	99.8	89.1	81.8	74.0	65.8	57.3
72.5°	348.4	324.3	297.4	268.0	236.1	211.5	188.3	163.8	137.8	110.6	89.8
70°	587.7	549.2	506.6	459.9	417.9	378.4	336.2	291.4	244.1	206.9	174.2
67.5°	903.7	845.5	781.0	716.5	659.1	597.3	531.4	461.5	402.4	346.3	287.6
65°	1277.7	1207.9	1130.5	1051.1	965.3	873.2	774.9	686.8	604.4	518.0	431.4
62.5°	1671.6	1590.2	1502.3	1408.3	1306.5	1197.3	1083.9	968.5	847.1	723.7	624.1
60°	2099.3	1987.7	1887.8	1779.2	1661.7	1536.2	1408.3	1272.9	1130.5	990.8	845.5
57.5°	2635.9	2478.1	2342.7	2194.9	2035.3	1887.8	1741.3	1586.6	1429.5	1267.3	1100.2
55°	3390.1	3182.7	2961.3	2719.9	2482.9	2296.9	2099.3	1909.2	1733.0	1549.0	1366.2
52.5°	4267.9	4009.9	3725.6	3416.2	3123.0	2821.2	2510.8	2285.6	2049.7	1839.0	1633.2
50°	5072.3	4815.1	4532.1	4217.1	3856.7	3472.4	3108.4	2745.8	2420.7	2156.9	1903.2
47.5°	5901.5	5609.1	5287.8	4951.4	4594.9	4207.1	3770.2	3316.8	2910.9	2502.6	2210.9
45°	7189.7	6635.1	6067.4	5692.1	5290.0	4878.4	4449.1	3971.6	3460.7	2994.1	2530.0
42.5°	8406.2	7959.8	7376.7	6669.2	6002.3	5545.1	5070.2	4591.0	4073.1	3510.7	2994.1
40°	9348.0	8981.8	8462.5	7896.5	7137.4	6281.4	5700.2	5167.0	4638.5	4073.1	3460.7
37.5°	10392.2	9752.2	9322.9	8829.8	8185.1	7422.2	6467.7	5752.2	5167.0	4591.0	3971.6
35°	12001.5	11096.5	10200.8	9555.0	9032.0	8331.1	7517.9	6467.7	5700.2	5070.2	4449.1
32.5°	14003.7	12820.3	11577.0	10552.5	9672.6	9089.2	8331.1	7422.2	6281.4	5545.1	4878.4
30°	16008.9	14705.7	13321.6	11866.1	10670.8	9672.6	9032.0	8185.1	7137.4	6002.3	5290.0
27.5°	18237.4	16569.6	15063.3	13490.4	11866.1	10552.5	9555.0	8829.8	7896.5	6669.2	5692.1
25°	20581.1	18700.3	16792.3	15063.3	13321.6	11577.0	10200.8	9322.9	8462.5	7376.7	6067.4
22.5°	23003.9	20845.7	18700.3	16569.6	14705.7	12820.3	11096.5	9752.2	8981.8	7959.8	6635.1
20°	25749.7	23003.9	20581.1	18237.4	16008.9	14003.7	12001.5	10392.2	9348.0	8406.2	7189.7
17.5°	29205.9	25389.4	22379.9	19798.5	17329.2	15106.1	12999.9	11086.2	9678.5	8807.9	7687.8
15°	33314.7	28079.3	24326.9	21299.0	18602.2	16091.7	13888.0	11707.6	10049.8	9114.7	8030.4
12.5°	40773.2	30956.7	26093.6	22615.2	19735.8	17028.3	14671.2	12415.6	10539.4	9346.7	8311.1
10°	49108.2	34942.0	28120.4	23979.1	20750.3	17882.8	15329.0	13005.3	10946.2	9539.0	8543.5
7.5°	62243.6	39643.6	29913.2	25070.2	21557.7	18560.6	15849.3	13470.6	11266.6	9690.3	8726.0
5°	72002.5	43109.7	31227.3	25866.4	22144.8	19052.2	16225.8	13806.8	11497.7	9799.3	8857.3
2.5°	78024.4	45236.1	32030.0	26351.3	22501.5	19350.2	16453.7	14010.0	11637.3	9865.0	8936.5
0°	80061.2	45953.1	32300.1	26514.1	22621.1	19450.1	16530.0	14078.0	11684.0	9887.0	8963.0
-2.5°	78024.4	45236.1	32030.0	26351.3	22501.5	19350.2	16453.7	14010.0	11637.3	9865.0	8936.5
-5°	72002.5	43109.7	31227.3	25866.4	22144.8	19052.2	16225.8	13806.8	11497.7	9799.3	8857.3
-7.5°	62243.6	39643.6	29913.2	25070.2	21557.7	18560.6	15849.3	13470.6	11266.6	9690.3	8726.0
-10°	49108.2	34942.0	28120.4	23979.1	20750.3	17882.8	15329.0	13005.3	10946.2	9539.0	8543.5
-12.5°	40773.2	30956.7	26093.6	22615.2	19735.8	17028.3	14671.2	12415.6	10539.4	9346.7	8311.1
-15°	33314.7	28079.3	24326.9	21299.0	18602.2	16091.7	13888.0	11707.6	10049.8	9114.7	8030.4
-17.5°	29205.9	25389.4	22379.9	19798.5	17329.2	15106.1	12999.9	11086.2	9678.5	8807.9	7687.8
-20°	25749.7	23003.9	20581.1	18237.4	16008.9	14003.7	12001.5	10392.2	9348.0	8406.2	7189.7



REPORT NUMBER: P1212073 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-70-2S-HEG

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	23003.9	20845.7	18700.3	16569.6	14705.7	12820.3	11096.5	9752.2	8981.8	7959.8	6635.1
-25°	20581.1	18700.3	16792.3	15063.3	13321.6	11577.0	10200.8	9322.9	8462.5	7376.7	6067.4
-27.5°	18237.4	16569.6	15063.3	13490.4	11866.1	10552.5	9555.0	8829.8	7896.5	6669.2	5692.1
-30°	16008.9	14705.7	13321.6	11866.1	10670.8	9672.6	9032.0	8185.1	7137.4	6002.3	5290.0
-32.5°	14003.7	12820.3	11577.0	10552.5	9672.6	9089.2	8331.1	7422.2	6281.4	5545.1	4878.4
-35°	12001.5	11096.5	10200.8	9555.0	9032.0	8331.1	7517.9	6467.7	5700.2	5070.2	4449.1
-37.5°	10392.2	9752.2	9322.9	8829.8	8185.1	7422.2	6467.7	5752.2	5167.0	4591.0	3971.6
-40°	9348.0	8981.8	8462.5	7896.5	7137.4	6281.4	5700.2	5167.0	4638.5	4073.1	3460.7
-42.5°	8406.2	7959.8	7376.7	6669.2	6002.3	5545.1	5070.2	4591.0	4073.1	3510.7	2994.1
-45°	7189.7	6635.1	6067.4	5692.1	5290.0	4878.4	4449.1	3971.6	3460.7	2994.1	2530.0
-47.5°	5901.5	5609.1	5287.8	4951.4	4594.9	4207.1	3770.2	3316.8	2910.9	2502.6	2210.9
-50°	5072.3	4815.1	4532.1	4217.1	3856.7	3472.4	3108.4	2745.8	2420.7	2156.9	1903.2
-52.5°	4267.9	4009.9	3725.6	3416.2	3123.0	2821.2	2510.8	2285.6	2049.7	1839.0	1633.2
-55°	3390.1	3182.7	2961.3	2719.9	2482.9	2296.9	2099.3	1909.2	1733.0	1549.0	1366.2
-57.5°	2635.9	2478.1	2342.7	2194.9	2035.3	1887.8	1741.3	1586.6	1429.5	1267.3	1100.2
-60°	2099.3	1987.7	1887.8	1779.2	1661.7	1536.2	1408.3	1272.9	1130.5	990.8	845.5
-62.5°	1671.6	1590.2	1502.3	1408.3	1306.5	1197.3	1083.9	968.5	847.1	723.7	624.1
-65°	1277.7	1207.9	1130.5	1051.1	965.3	873.2	774.9	686.8	604.4	518.0	431.4
-67.5°	903.7	845.5	781.0	716.5	659.1	597.3	531.4	461.5	402.4	346.3	287.6
-70°	587.7	549.2	506.6	459.9	417.9	378.4	336.2	291.4	244.1	206.9	174.2
-72.5°	348.4	324.3	297.4	268.0	236.1	211.5	188.3	163.8	137.8	110.6	89.8
-75°	178.5	165.5	151.2	135.4	118.3	99.8	89.1	81.8	74.0	65.8	57.3
-77.5°	79.6	75.9	71.7	67.1	62.1	56.7	51.0	46.1	43.2	40.1	36.9
-80°	41.9	40.5	39.1	37.4	35.7	33.7	31.7	29.5	27.2	25.5	24.4
-82.5°	24.4	23.9	23.5	22.9	22.4	21.8	21.1	20.4	19.7	18.9	18.1
-85°	16.8	16.7	16.6	16.5	16.5	16.4	16.3	16.2	16.1	15.9	15.8
-87.5°	14.1	13.9	13.6	13.3	13.0	12.6	12.3	11.9	11.5	11.1	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



REPORT NUMBER: P1212073 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-70-2S-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°	10.1	9.6	9.1	8.6	8.1	7.5	6.9	6.3	5.7	5.1	4.5
85°	15.7	15.6	15.4	15.3	15.1	15.0	13.8	12.7	11.5	10.2	9.0
82.5°	17.2	16.9	16.6	16.4	16.2	16.0	15.8	15.5	15.3	15.0	13.5
80°	23.3	22.1	20.8	19.6	18.3	17.0	16.7	16.4	16.0	15.7	15.4
77.5°	33.6	30.2	26.6	24.7	23.0	21.4	19.6	17.9	16.8	16.4	16.0
75°	48.3	43.4	39.1	34.7	30.1	25.8	23.7	21.6	19.5	17.3	16.6
72.5°	79.4	68.5	57.3	46.4	41.1	35.6	30.0	25.3	22.8	20.3	17.7
70°	140.1	104.7	84.9	71.7	58.1	45.7	39.3	32.8	26.2	23.2	20.3
67.5°	227.1	187.3	146.1	103.6	82.1	66.4	50.3	41.2	33.7	26.2	22.8
65°	363.4	293.0	223.1	175.9	127.5	88.3	70.6	52.4	41.2	32.8	25.3
62.5°	520.6	421.1	340.9	258.5	194.0	139.5	90.4	70.6	50.3	39.3	30.0
60°	704.7	587.7	467.0	369.9	277.8	200.0	139.5	88.3	66.4	45.7	35.6
57.5°	936.4	767.0	628.2	493.9	379.6	277.8	194.0	127.5	82.1	58.1	41.1
55°	1177.1	991.3	803.5	641.8	493.9	369.9	258.5	175.9	103.6	71.7	46.4
52.5°	1426.1	1216.8	1009.7	803.5	628.2	467.0	340.9	223.1	146.1	84.9	57.3
50°	1675.6	1446.2	1216.8	991.3	767.0	587.7	421.1	293.0	187.3	104.7	68.5
47.5°	1924.7	1675.6	1426.1	1177.1	936.4	704.7	520.6	363.4	227.1	140.1	79.4
45°	2210.9	1903.2	1633.2	1366.2	1100.2	845.5	624.1	431.4	287.6	174.2	89.8
42.5°	2502.6	2156.9	1839.0	1549.0	1267.3	990.8	723.7	518.0	346.3	206.9	110.6
40°	2910.9	2420.7	2049.7	1733.0	1429.5	1130.5	847.1	604.4	402.4	244.1	137.8
37.5°	3316.8	2745.8	2285.6	1909.2	1586.6	1272.9	968.5	686.8	461.5	291.4	163.8
35°	3770.2	3108.4	2510.8	2099.3	1741.3	1408.3	1083.9	774.9	531.4	336.2	188.3
32.5°	4207.1	3472.4	2821.2	2296.9	1887.8	1536.2	1197.3	873.2	597.3	378.4	211.5
30°	4594.9	3856.7	3123.0	2482.9	2035.3	1661.7	1306.5	965.3	659.1	417.9	236.1
27.5°	4951.4	4217.1	3416.2	2719.9	2194.9	1779.2	1408.3	1051.1	716.5	459.9	268.0
25°	5287.8	4532.1	3725.6	2961.3	2342.7	1887.8	1502.3	1130.5	781.0	506.6	297.4
22.5°	5609.1	4815.1	4009.9	3182.7	2478.1	1987.7	1590.2	1207.9	845.5	549.2	324.3
20°	5901.5	5072.3	4267.9	3390.1	2635.9	2099.3	1671.6	1277.7	903.7	587.7	348.4
17.5°	6195.8	5307.9	4482.9	3601.6	2799.6	2198.7	1744.1	1339.8	955.4	621.8	369.9
15°	6600.1	5520.0	4668.4	3786.7	2942.8	2285.6	1807.3	1394.0	1000.6	651.6	388.6
12.5°	6946.4	5701.4	4827.0	3944.8	3064.9	2359.7	1861.2	1440.1	1039.0	677.0	404.6
10°	7232.8	5851.3	4957.9	4075.1	3165.6	2420.7	1905.6	1478.1	1070.5	697.8	417.6
7.5°	7457.5	5968.8	5060.3	4177.1	3244.2	2468.4	1940.2	1507.7	1095.2	714.0	427.8
5°	7619.1	6053.2	5133.9	4250.2	3300.7	2502.6	1965.1	1529.0	1112.8	725.7	435.1
2.5°	7716.5	6104.0	5178.2	4294.3	3334.7	2523.1	1980.0	1541.7	1123.5	732.7	439.5
0°	7749.0	6121.0	5193.0	4309.0	3346.0	2530.0	1985.0	1546.0	1127.0	735.0	441.0
-2.5°	7716.5	6104.0	5178.2	4294.3	3334.7	2523.1	1980.0	1541.7	1123.5	732.7	439.5
-5°	7619.1	6053.2	5133.9	4250.2	3300.7	2502.6	1965.1	1529.0	1112.8	725.7	435.1
-7.5°	7457.5	5968.8	5060.3	4177.1	3244.2	2468.4	1940.2	1507.7	1095.2	714.0	427.8
-10°	7232.8	5851.3	4957.9	4075.1	3165.6	2420.7	1905.6	1478.1	1070.5	697.8	417.6
-12.5°	6946.4	5701.4	4827.0	3944.8	3064.9	2359.7	1861.2	1440.1	1039.0	677.0	404.6
-15°	6600.1	5520.0	4668.4	3786.7	2942.8	2285.6	1807.3	1394.0	1000.6	651.6	388.6
-17.5°	6195.8	5307.9	4482.9	3601.6	2799.6	2198.7	1744.1	1339.8	955.4	621.8	369.9
-20°	5901.5	5072.3	4267.9	3390.1	2635.9	2099.3	1671.6	1277.7	903.7	587.7	348.4



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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°	5609.1	4815.1	4009.9	3182.7	2478.1	1987.7	1590.2	1207.9	845.5	549.2	324.3
-25°	5287.8	4532.1	3725.6	2961.3	2342.7	1887.8	1502.3	1130.5	781.0	506.6	297.4
-27.5°	4951.4	4217.1	3416.2	2719.9	2194.9	1779.2	1408.3	1051.1	716.5	459.9	268.0
-30°	4594.9	3856.7	3123.0	2482.9	2035.3	1661.7	1306.5	965.3	659.1	417.9	236.1
-32.5°	4207.1	3472.4	2821.2	2296.9	1887.8	1536.2	1197.3	873.2	597.3	378.4	211.5
-35°	3770.2	3108.4	2510.8	2099.3	1741.3	1408.3	1083.9	774.9	531.4	336.2	188.3
-37.5°	3316.8	2745.8	2285.6	1909.2	1586.6	1272.9	968.5	686.8	461.5	291.4	163.8
-40°	2910.9	2420.7	2049.7	1733.0	1429.5	1130.5	847.1	604.4	402.4	244.1	137.8
-42.5°	2502.6	2156.9	1839.0	1549.0	1267.3	990.8	723.7	518.0	346.3	206.9	110.6
-45°	2210.9	1903.2	1633.2	1366.2	1100.2	845.5	624.1	431.4	287.6	174.2	89.8
-47.5°	1924.7	1675.6	1426.1	1177.1	936.4	704.7	520.6	363.4	227.1	140.1	79.4
-50°	1675.6	1446.2	1216.8	991.3	767.0	587.7	421.1	293.0	187.3	104.7	68.5
-52.5°	1426.1	1216.8	1009.7	803.5	628.2	467.0	340.9	223.1	146.1	84.9	57.3
-55°	1177.1	991.3	803.5	641.8	493.9	369.9	258.5	175.9	103.6	71.7	46.4
-57.5°	936.4	767.0	628.2	493.9	379.6	277.8	194.0	127.5	82.1	58.1	41.1
-60°	704.7	587.7	467.0	369.9	277.8	200.0	139.5	88.3	66.4	45.7	35.6
-62.5°	520.6	421.1	340.9	258.5	194.0	139.5	90.4	70.6	50.3	39.3	30.0
-65°	363.4	293.0	223.1	175.9	127.5	88.3	70.6	52.4	41.2	32.8	25.3
-67.5°	227.1	187.3	146.1	103.6	82.1	66.4	50.3	41.2	33.7	26.2	22.8
-70°	140.1	104.7	84.9	71.7	58.1	45.7	39.3	32.8	26.2	23.2	20.3
-72.5°	79.4	68.5	57.3	46.4	41.1	35.6	30.0	25.3	22.8	20.3	17.7
-75°	48.3	43.4	39.1	34.7	30.1	25.8	23.7	21.6	19.5	17.3	16.6
-77.5°	33.6	30.2	26.6	24.7	23.0	21.4	19.6	17.9	16.8	16.4	16.0
-80°	23.3	22.1	20.8	19.6	18.3	17.0	16.7	16.4	16.0	15.7	15.4
-82.5°	17.2	16.9	16.6	16.4	16.2	16.0	15.8	15.5	15.3	15.0	13.5
-85°	15.7	15.6	15.4	15.3	15.1	15.0	13.8	12.7	11.5	10.2	9.0
-87.5°	10.1	9.6	9.1	8.6	8.1	7.5	6.9	6.3	5.7	5.1	4.5
-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°	3.9	3.2	2.6	2.0	1.3	0.7	0.0
85°	7.8	6.5	5.2	3.9	2.6	1.3	0.0
82.5°	11.6	9.7	7.8	5.9	3.9	2.0	0.0
80°	15.1	12.9	10.4	7.8	5.2	2.6	0.0
77.5°	15.6	15.1	12.9	9.7	6.5	3.2	0.0
75°	16.1	15.6	15.1	11.6	7.8	3.9	0.0
72.5°	16.6	16.0	15.4	13.5	9.0	4.5	0.0
70°	17.3	16.4	15.7	15.0	10.2	5.1	0.0
67.5°	19.5	16.8	16.0	15.3	11.5	5.7	0.0
65°	21.6	17.9	16.4	15.5	12.7	6.3	0.0
62.5°	23.7	19.6	16.7	15.8	13.8	6.9	0.0
60°	25.8	21.4	17.0	16.0	15.0	7.5	0.0
57.5°	30.1	23.0	18.3	16.2	15.1	8.1	0.0
55°	34.7	24.7	19.6	16.4	15.3	8.6	0.0
52.5°	39.1	26.6	20.8	16.6	15.4	9.1	0.0
50°	43.4	30.2	22.1	16.9	15.6	9.6	0.0
47.5°	48.3	33.6	23.3	17.2	15.7	10.1	0.0
45°	57.3	36.9	24.4	18.1	15.8	10.6	0.0
42.5°	65.8	40.1	25.5	18.9	15.9	11.1	0.0
40°	74.0	43.2	27.2	19.7	16.1	11.5	0.0
37.5°	81.8	46.1	29.5	20.4	16.2	11.9	0.0
35°	89.1	51.0	31.7	21.1	16.3	12.3	0.0
32.5°	99.8	56.7	33.7	21.8	16.4	12.6	0.0
30°	118.3	62.1	35.7	22.4	16.5	13.0	0.0
27.5°	135.4	67.1	37.4	22.9	16.5	13.3	0.0
25°	151.2	71.7	39.1	23.5	16.6	13.6	0.0
22.5°	165.5	75.9	40.5	23.9	16.7	13.9	0.0
20°	178.5	79.6	41.9	24.4	16.8	14.1	0.0
17.5°	190.0	83.0	43.1	24.7	16.8	14.3	0.0
15°	200.0	85.9	44.1	25.1	16.9	14.5	0.0
12.5°	208.5	88.3	45.0	25.4	16.9	14.6	0.0
10°	215.5	90.4	45.7	25.6	16.9	14.8	0.0
7.5°	221.0	92.0	46.3	25.8	17.0	14.9	0.0
5°	224.9	93.1	46.7	25.9	17.0	14.9	0.0
2.5°	227.2	93.8	46.9	26.0	17.0	15.0	0.0
0°	228.0	94.0	47.0	26.0	17.0	15.0	0.0
-2.5°	227.2	93.8	46.9	26.0	17.0	15.0	0.0
-5°	224.9	93.1	46.7	25.9	17.0	14.9	0.0
-7.5°	221.0	92.0	46.3	25.8	17.0	14.9	0.0
-10°	215.5	90.4	45.7	25.6	16.9	14.8	0.0
-12.5°	208.5	88.3	45.0	25.4	16.9	14.6	0.0
-15°	200.0	85.9	44.1	25.1	16.9	14.5	0.0
-17.5°	190.0	83.0	43.1	24.7	16.8	14.3	0.0
-20°	178.5	79.6	41.9	24.4	16.8	14.1	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	165.5	75.9	40.5	23.9	16.7	13.9	0.0
-25°	151.2	71.7	39.1	23.5	16.6	13.6	0.0
-27.5°	135.4	67.1	37.4	22.9	16.5	13.3	0.0
-30°	118.3	62.1	35.7	22.4	16.5	13.0	0.0
-32.5°	99.8	56.7	33.7	21.8	16.4	12.6	0.0
-35°	89.1	51.0	31.7	21.1	16.3	12.3	0.0
-37.5°	81.8	46.1	29.5	20.4	16.2	11.9	0.0
-40°	74.0	43.2	27.2	19.7	16.1	11.5	0.0
-42.5°	65.8	40.1	25.5	18.9	15.9	11.1	0.0
-45°	57.3	36.9	24.4	18.1	15.8	10.6	0.0
-47.5°	48.3	33.6	23.3	17.2	15.7	10.1	0.0
-50°	43.4	30.2	22.1	16.9	15.6	9.6	0.0
-52.5°	39.1	26.6	20.8	16.6	15.4	9.1	0.0
-55°	34.7	24.7	19.6	16.4	15.3	8.6	0.0
-57.5°	30.1	23.0	18.3	16.2	15.1	8.1	0.0
-60°	25.8	21.4	17.0	16.0	15.0	7.5	0.0
-62.5°	23.7	19.6	16.7	15.8	13.8	6.9	0.0
-65°	21.6	17.9	16.4	15.5	12.7	6.3	0.0
-67.5°	19.5	16.8	16.0	15.3	11.5	5.7	0.0
-70°	17.3	16.4	15.7	15.0	10.2	5.1	0.0
-72.5°	16.6	16.0	15.4	13.5	9.0	4.5	0.0
-75°	16.1	15.6	15.1	11.6	7.8	3.9	0.0
-77.5°	15.6	15.1	12.9	9.7	6.5	3.2	0.0
-80°	15.1	12.9	10.4	7.8	5.2	2.6	0.0
-82.5°	11.6	9.7	7.8	5.9	3.9	2.0	0.0
-85°	7.8	6.5	5.2	3.9	2.6	1.3	0.0
-87.5°	3.9	3.2	2.6	2.0	1.3	0.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)