

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: EPHEBUS

Report Number: P1212070 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-40-70-1S-HEG**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212070 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-12)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: EPHESUS
Catalog Number: EPH-LS12-1000R-40-70-1S-HEG
Description: EPHESUS LS12 LUMINAIRE
(12) 4000K, 70 CRI LEDS AND 1S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

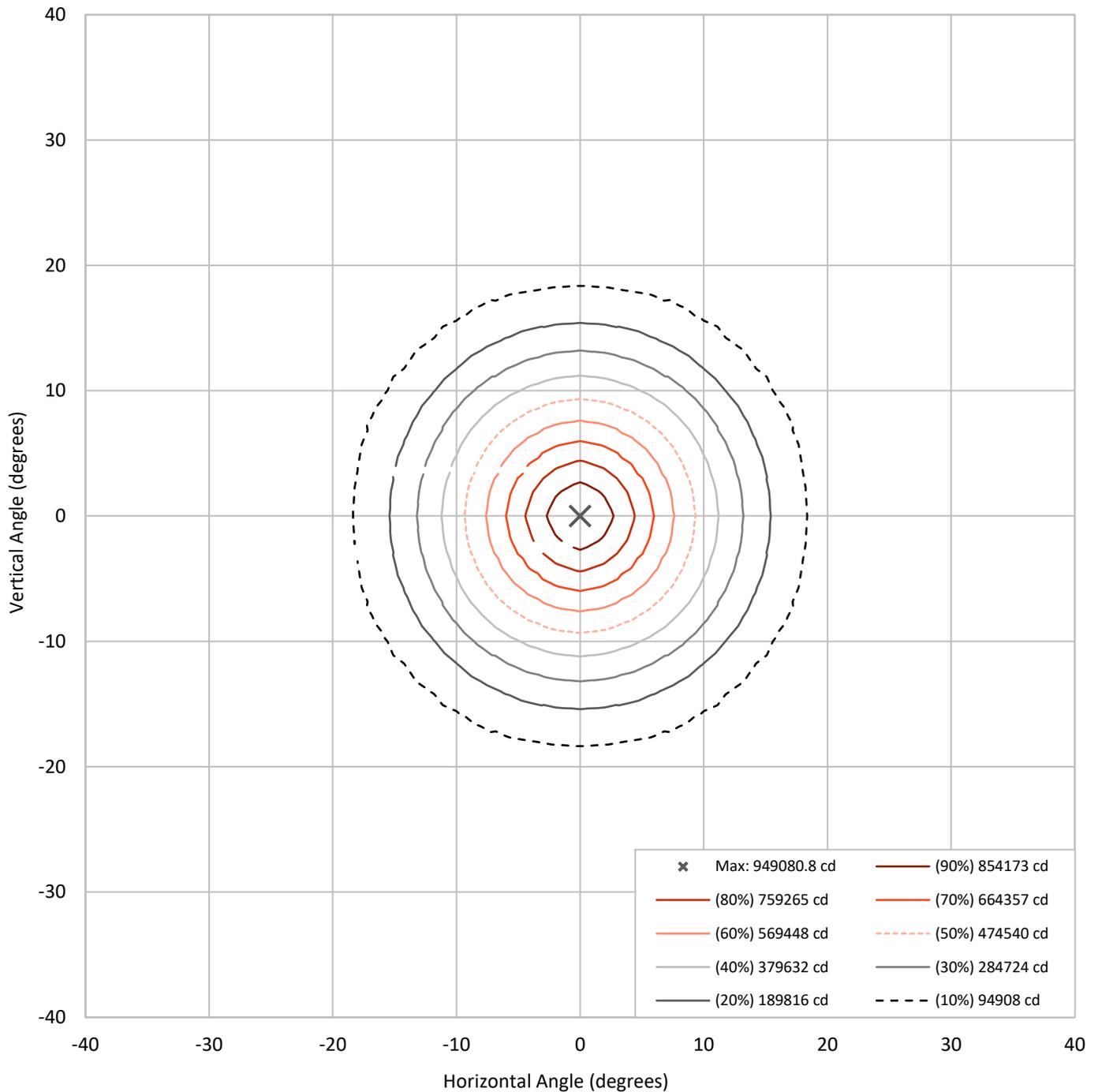
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	149878.6 lumens	Max Intensity:	949080.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	136.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	18.7°H x 18.7°V	Field Angle (10%):	36.7°H x 36.7°V
Beam Lumens:	53564.6 lumens	Field Lumens:	111252.3 lumens
Beam Efficiency:	35.7%	Field Efficiency:	74.2%
Input Watts (W):	1101.3		
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-40-70-1S-HEG

Iso-Candela Plot





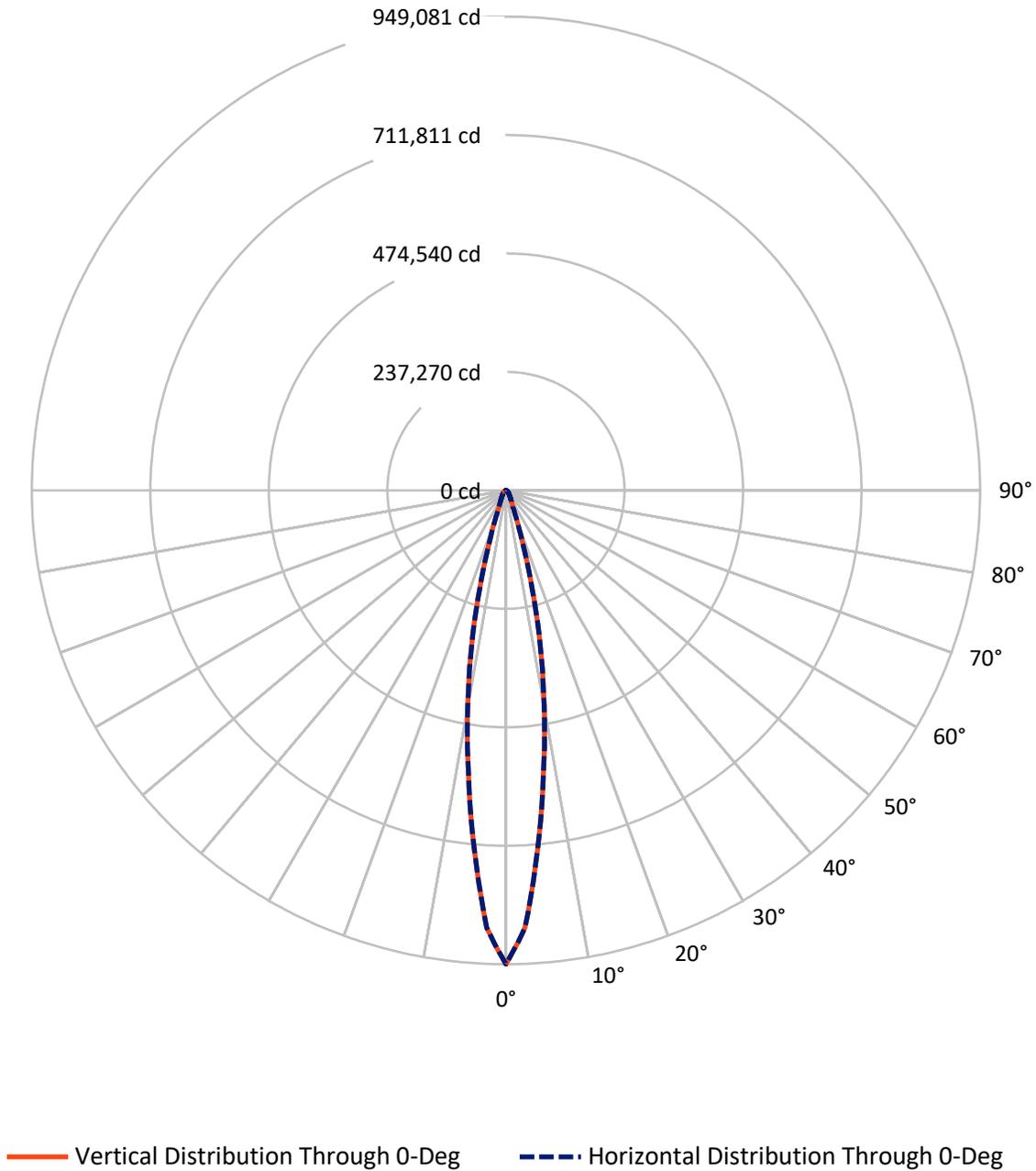
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Lumen Table

90	0.3	1.5		5.6		13.6		17.7		13.6		5.6		1.5		0.3
80	0.3	1.5		5.6		13.6		17.7		13.6		5.6		1.5		0.3
70	0.7	0.8	3.4	9.5	18.9	29.5	38.6	43.8	43.8	38.6	29.5	18.9	9.5	3.4	0.8	0.7
60		2.6	11.0	27.6	51.0	79.9	105.4	119.7	119.7	105.4	79.9	51.0	27.6	11.0	2.6	
50	1.9	5.8	22.6	54.4	103.5	161.0	212.6	240.7	240.7	212.6	161.0	103.5	54.4	22.6	5.8	1.9
40		10.1	36.2	89.7	171.0	254.4	333.7	395.2	395.2	333.7	254.4	171.0	89.7	36.2	10.1	
30	3.9	14.2	51.3	126.5	230.3	372.2	607.7	888.7	888.7	607.7	372.2	230.3	126.5	51.3	14.2	3.9
20		17.5	63.5	156.8	284.1	571.8	1852.4	5522.9	5522.9	1852.4	571.8	284.1	156.8	63.5	17.5	
10	4.9	19.2	70.0	172.0	326.8	813.7	5385.2	17251.7	17251.7	5385.2	813.7	326.8	172.0	70.0	19.2	4.9
0		19.2	70.0	172.0	326.8	813.7	5385.2	17251.7	17251.7	5385.2	813.7	326.8	172.0	70.0	19.2	
-10	3.9	17.5	63.5	156.8	284.1	571.8	1852.4	5522.9	5522.9	1852.4	571.8	284.1	156.8	63.5	17.5	3.9
-20		14.2	51.3	126.5	230.3	372.2	607.7	888.7	888.7	607.7	372.2	230.3	126.5	51.3	14.2	
-30	1.9	10.1	36.2	89.7	171.0	254.4	333.7	395.2	395.2	333.7	254.4	171.0	89.7	36.2	10.1	1.9
-40		5.8	22.6	54.4	103.5	161.0	212.6	240.7	240.7	212.6	161.0	103.5	54.4	22.6	5.8	
-50	0.7	2.6	11.0	27.6	51.0	79.9	105.4	119.7	119.7	105.4	79.9	51.0	27.6	11.0	2.6	0.7
-60		0.8	3.4	9.5	18.9	29.5	38.6	43.8	43.8	38.6	29.5	18.9	9.5	3.4	0.8	
-70	0.3	1.5		5.6		13.6		17.7		13.6		5.6		1.5		0.3
-80		1.5		5.6		13.6		17.7		13.6		5.6		1.5		
-90	0.3	1.5		5.6		13.6		17.7		13.6		5.6		1.5		0.3

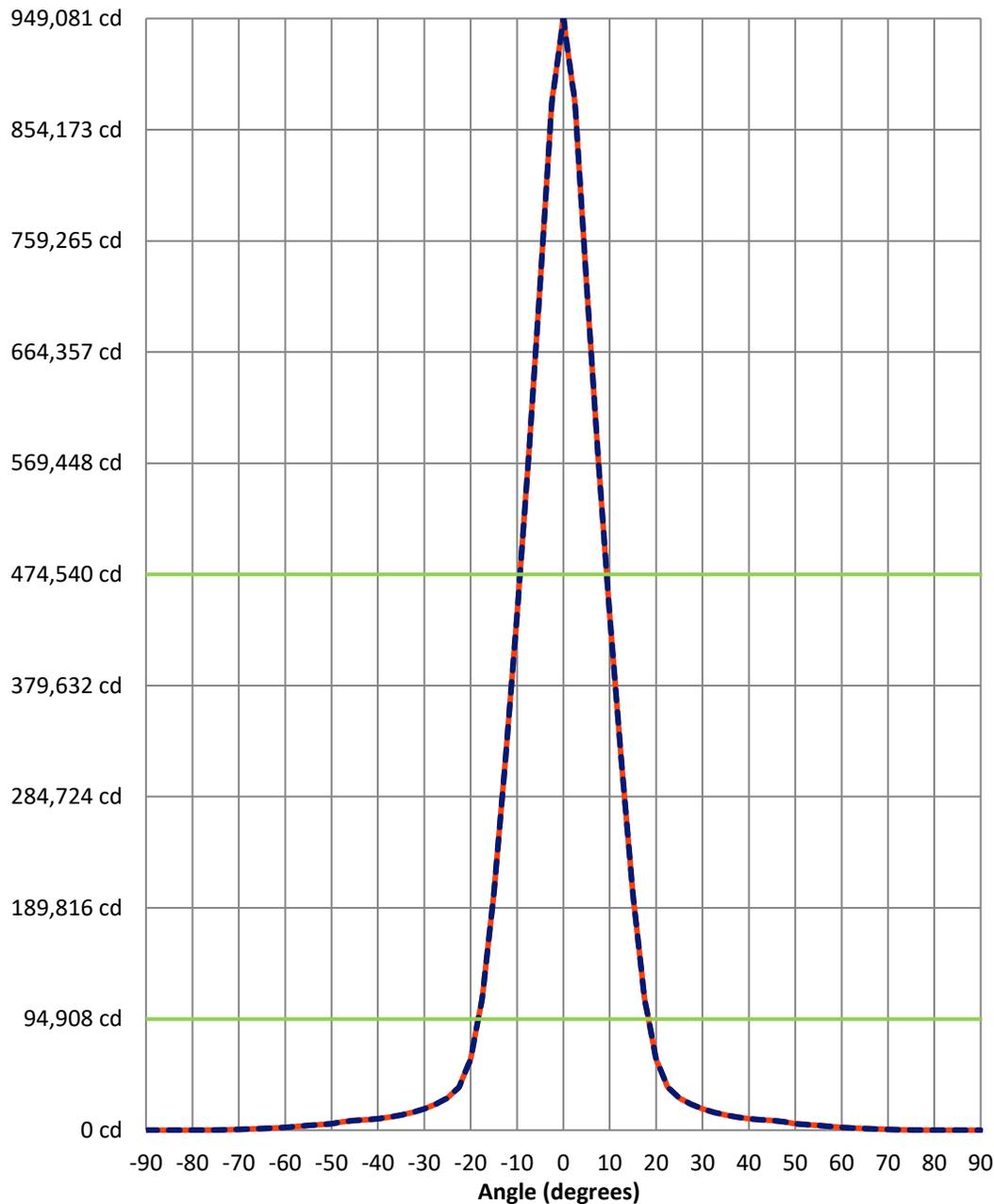
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 18.7°
 V Angle: 18.7°
 Lumens: 53564.6
 Efficiency: 35.7%

Field:
 H Angle: 36.7°
 V Angle: 36.7°
 Lumens: 111252.3
 Efficiency: 74.2%

Spill:
 Lumens: 38626.3
 Efficiency: 25.8%

- 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	0.8	1.7	2.5	3.3	4.1	4.9	5.7	6.5	7.3	8.0
85°	0.0	1.7	3.3	5.0	6.6	8.2	9.8	11.4	13.0	14.5	16.0
82.5°	0.0	2.5	5.0	7.4	9.9	12.3	14.7	17.1	19.0	19.3	19.5
80°	0.0	3.3	6.6	9.9	13.1	16.4	19.1	19.4	19.7	20.0	20.4
77.5°	0.0	4.1	8.2	12.3	16.4	19.1	19.6	20.0	20.4	20.8	21.8
75°	0.0	4.9	9.8	14.7	19.1	19.6	20.1	20.6	21.3	23.2	25.1
72.5°	0.0	5.7	11.4	17.1	19.4	20.0	20.6	21.6	23.9	26.1	28.4
70°	0.0	6.5	13.0	19.0	19.7	20.4	21.3	23.9	26.5	29.2	35.8
67.5°	0.0	7.3	14.5	19.3	20.0	20.8	23.2	26.1	29.2	36.7	44.2
65°	0.0	8.0	16.0	19.5	20.4	21.8	25.1	28.4	35.8	44.2	55.1
62.5°	0.0	8.8	17.5	19.8	20.7	23.4	27.0	33.0	42.3	53.1	72.1
60°	0.0	9.5	19.0	20.0	21.0	24.9	28.8	38.6	48.7	68.1	88.7
57.5°	0.0	10.2	19.1	20.2	22.1	26.4	33.1	44.1	60.4	82.8	125.7
55°	0.0	10.9	19.3	20.4	23.3	27.8	37.7	49.4	73.1	103.1	171.6
52.5°	0.0	11.6	19.4	20.6	24.4	29.6	42.1	59.6	85.5	143.4	216.3
50°	0.0	12.2	19.6	20.9	25.5	33.2	46.4	70.1	104.2	182.4	280.8
47.5°	0.0	12.8	19.7	21.2	26.6	36.6	51.2	80.3	137.7	220.2	345.6
45°	0.0	13.4	19.8	21.9	27.6	39.9	59.6	90.1	170.0	275.9	408.2
42.5°	0.0	14.0	19.9	22.7	28.5	43.1	67.6	109.7	201.0	329.8	484.1
40°	0.0	14.6	20.1	23.4	30.2	46.2	75.3	135.6	235.8	381.5	559.3
37.5°	0.0	15.1	20.2	24.0	32.5	49.1	82.5	160.1	279.3	434.8	631.0
35°	0.0	15.6	20.3	24.6	34.7	53.7	89.4	183.4	320.6	495.7	710.2
32.5°	0.0	16.0	20.4	25.2	36.7	59.1	99.5	205.3	359.4	553.1	802.0
30°	0.0	16.5	20.5	25.8	38.7	64.1	117.0	228.4	395.8	606.9	888.1
27.5°	0.0	16.9	20.5	26.3	40.4	68.8	133.2	257.8	433.4	656.9	968.2
25°	0.0	17.2	20.6	26.7	42.1	73.1	148.2	284.9	474.1	716.0	1042.4
22.5°	0.0	17.6	20.7	27.2	43.5	77.0	161.8	309.6	511.2	776.2	1116.2
20°	0.0	17.9	20.8	27.5	44.9	80.5	174.1	331.8	544.7	830.5	1182.8
17.5°	0.0	18.1	20.8	27.9	46.1	83.7	185.0	351.6	574.5	878.8	1242.1
15°	0.0	18.4	20.9	28.2	47.1	86.4	194.5	368.8	600.4	921.0	1293.9
12.5°	0.0	18.5	20.9	28.4	48.0	88.7	202.5	383.5	622.5	956.8	1337.9
10°	0.0	18.7	20.9	28.6	48.7	90.6	209.2	395.5	640.6	986.3	1374.2
7.5°	0.0	18.8	21.0	28.8	49.3	92.1	214.3	404.9	654.7	1009.3	1402.5
5°	0.0	18.9	21.0	28.9	49.7	93.1	218.0	411.6	664.9	1025.8	1422.7
2.5°	0.0	19.0	21.0	29.0	49.9	93.8	220.3	415.7	671.0	1035.7	1434.9
0°	0.0	19.0	21.0	29.0	50.0	94.0	221.0	417.0	673.0	1039.0	1439.0
-2.5°	0.0	19.0	21.0	29.0	49.9	93.8	220.3	415.7	671.0	1035.7	1434.9
-5°	0.0	18.9	21.0	28.9	49.7	93.1	218.0	411.6	664.9	1025.8	1422.7
-7.5°	0.0	18.8	21.0	28.8	49.3	92.1	214.3	404.9	654.7	1009.3	1402.5
-10°	0.0	18.7	20.9	28.6	48.7	90.6	209.2	395.5	640.6	986.3	1374.2
-12.5°	0.0	18.5	20.9	28.4	48.0	88.7	202.5	383.5	622.5	956.8	1337.9
-15°	0.0	18.4	20.9	28.2	47.1	86.4	194.5	368.8	600.4	921.0	1293.9
-17.5°	0.0	18.1	20.8	27.9	46.1	83.7	185.0	351.6	574.5	878.8	1242.1
-20°	0.0	17.9	20.8	27.5	44.9	80.5	174.1	331.8	544.7	830.5	1182.8



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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	17.6	20.7	27.2	43.5	77.0	161.8	309.6	511.2	776.2	1116.2
-25°	0.0	17.2	20.6	26.7	42.1	73.1	148.2	284.9	474.1	716.0	1042.4
-27.5°	0.0	16.9	20.5	26.3	40.4	68.8	133.2	257.8	433.4	656.9	968.2
-30°	0.0	16.5	20.5	25.8	38.7	64.1	117.0	228.4	395.8	606.9	888.1
-32.5°	0.0	16.0	20.4	25.2	36.7	59.1	99.5	205.3	359.4	553.1	802.0
-35°	0.0	15.6	20.3	24.6	34.7	53.7	89.4	183.4	320.6	495.7	710.2
-37.5°	0.0	15.1	20.2	24.0	32.5	49.1	82.5	160.1	279.3	434.8	631.0
-40°	0.0	14.6	20.1	23.4	30.2	46.2	75.3	135.6	235.8	381.5	559.3
-42.5°	0.0	14.0	19.9	22.7	28.5	43.1	67.6	109.7	201.0	329.8	484.1
-45°	0.0	13.4	19.8	21.9	27.6	39.9	59.6	90.1	170.0	275.9	408.2
-47.5°	0.0	12.8	19.7	21.2	26.6	36.6	51.2	80.3	137.7	220.2	345.6
-50°	0.0	12.2	19.6	20.9	25.5	33.2	46.4	70.1	104.2	182.4	280.8
-52.5°	0.0	11.6	19.4	20.6	24.4	29.6	42.1	59.6	85.5	143.4	216.3
-55°	0.0	10.9	19.3	20.4	23.3	27.8	37.7	49.4	73.1	103.1	171.6
-57.5°	0.0	10.2	19.1	20.2	22.1	26.4	33.1	44.1	60.4	82.8	125.7
-60°	0.0	9.5	19.0	20.0	21.0	24.9	28.8	38.6	48.7	68.1	88.7
-62.5°	0.0	8.8	17.5	19.8	20.7	23.4	27.0	33.0	42.3	53.1	72.1
-65°	0.0	8.0	16.0	19.5	20.4	21.8	25.1	28.4	35.8	44.2	55.1
-67.5°	0.0	7.3	14.5	19.3	20.0	20.8	23.2	26.1	29.2	36.7	44.2
-70°	0.0	6.5	13.0	19.0	19.7	20.4	21.3	23.9	26.5	29.2	35.8
-72.5°	0.0	5.7	11.4	17.1	19.4	20.0	20.6	21.6	23.9	26.1	28.4
-75°	0.0	4.9	9.8	14.7	19.1	19.6	20.1	20.6	21.3	23.2	25.1
-77.5°	0.0	4.1	8.2	12.3	16.4	19.1	19.6	20.0	20.4	20.8	21.8
-80°	0.0	3.3	6.6	9.9	13.1	16.4	19.1	19.4	19.7	20.0	20.4
-82.5°	0.0	2.5	5.0	7.4	9.9	12.3	14.7	17.1	19.0	19.3	19.5
-85°	0.0	1.7	3.3	5.0	6.6	8.2	9.8	11.4	13.0	14.5	16.0
-87.5°	0.0	0.8	1.7	2.5	3.3	4.1	4.9	5.7	6.5	7.3	8.0
-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°	8.8	9.5	10.2	10.9	11.6	12.2	12.8	13.4	14.0	14.6	15.1
85°	17.5	19.0	19.1	19.3	19.4	19.6	19.7	19.8	19.9	20.1	20.2
82.5°	19.8	20.0	20.2	20.4	20.6	20.9	21.2	21.9	22.7	23.4	24.0
80°	20.7	21.0	22.1	23.3	24.4	25.5	26.6	27.6	28.5	30.2	32.5
77.5°	23.4	24.9	26.4	27.8	29.6	33.2	36.6	39.9	43.1	46.2	49.1
75°	27.0	28.8	33.1	37.7	42.1	46.4	51.2	59.6	67.6	75.3	82.5
72.5°	33.0	38.6	44.1	49.4	59.6	70.1	80.3	90.1	109.7	135.6	160.1
70°	42.3	48.7	60.4	73.1	85.5	104.2	137.7	170.0	201.0	235.8	279.3
67.5°	53.1	68.1	82.8	103.1	143.4	182.4	220.2	275.9	329.8	381.5	434.8
65°	72.1	88.7	125.7	171.6	216.3	280.8	345.6	408.2	484.1	559.3	631.0
62.5°	90.7	137.1	188.7	249.1	324.9	398.6	486.3	576.4	663.1	777.7	891.1
60°	137.1	194.5	266.8	351.6	439.6	544.7	646.6	776.2	911.9	1042.4	1178.3
57.5°	188.7	266.8	360.5	463.1	580.0	702.9	861.0	1014.0	1172.9	1327.8	1477.5
55°	249.1	351.6	463.1	591.8	736.9	912.3	1086.9	1267.4	1441.8	1616.6	1784.0
52.5°	324.9	439.6	580.0	736.9	929.5	1124.7	1324.6	1521.9	1717.3	1921.1	2158.3
50°	398.6	544.7	702.9	912.3	1124.7	1343.7	1562.1	1778.3	2028.9	2294.1	2616.6
47.5°	486.3	646.6	861.0	1086.9	1324.6	1562.1	1798.7	2083.1	2376.4	2779.3	3179.2
45°	576.4	776.2	1014.0	1267.4	1521.9	1778.3	2083.1	2404.0	2861.2	3313.8	3784.8
42.5°	663.1	911.9	1172.9	1441.8	1717.3	2028.9	2376.4	2861.2	3359.9	3878.4	4309.7
40°	777.7	1042.4	1327.8	1616.6	1921.1	2294.1	2779.3	3313.8	3878.4	4345.8	4746.3
37.5°	891.1	1178.3	1477.5	1784.0	2158.3	2616.6	3179.2	3784.8	4309.7	4746.3	5249.9
35°	998.7	1307.5	1624.5	1970.9	2384.7	2973.9	3599.2	4202.2	4672.9	5204.9	5931.0
32.5°	1106.1	1429.7	1763.6	2169.6	2690.9	3324.6	4002.0	4527.5	5070.7	5736.5	6927.8
30°	1210.4	1548.9	1906.6	2356.7	2988.2	3678.9	4312.7	4849.9	5466.3	6630.3	7661.0
27.5°	1307.5	1660.5	2067.1	2591.1	3272.7	4011.2	4582.9	5197.9	6141.4	7401.6	8240.3
25°	1397.2	1763.6	2215.7	2828.9	3558.0	4265.1	4848.1	5522.7	6880.2	7910.2	8583.2
22.5°	1481.0	1858.7	2351.9	3047.1	3820.2	4479.6	5126.0	6105.8	7458.4	8371.6	8849.4
20°	1558.3	1970.9	2508.4	3248.7	4058.1	4674.5	5379.1	6685.0	7859.6	8598.8	9182.3
17.5°	1627.1	2070.9	2669.6	3443.7	4227.8	4865.4	5647.1	7205.1	8220.6	8803.7	9524.9
15°	1687.2	2158.3	2810.7	3614.4	4368.4	5048.9	6069.2	7521.9	8454.1	9013.4	9833.5
12.5°	1738.4	2232.8	2931.1	3760.1	4488.6	5205.9	6430.9	7774.1	8597.9	9255.0	10239.3
10°	1780.6	2294.1	3030.2	3880.3	4587.8	5335.6	6730.0	7983.0	8717.2	9455.8	10577.2
7.5°	1813.5	2342.1	3107.7	3974.3	4665.5	5437.3	6964.7	8147.0	8811.0	9614.0	10843.9
5°	1837.1	2376.4	3163.4	4041.8	4721.2	5510.3	7133.4	8265.0	8878.6	9728.1	11036.6
2.5°	1851.3	2397.1	3196.8	4082.4	4754.8	5554.3	7235.0	8336.2	8919.4	9797.0	11153.0
0°	1856.0	2404.0	3208.0	4096.0	4766.0	5569.0	7269.0	8360.0	8933.0	9820.0	11192.0
-2.5°	1851.3	2397.1	3196.8	4082.4	4754.8	5554.3	7235.0	8336.2	8919.4	9797.0	11153.0
-5°	1837.1	2376.4	3163.4	4041.8	4721.2	5510.3	7133.4	8265.0	8878.6	9728.1	11036.6
-7.5°	1813.5	2342.1	3107.7	3974.3	4665.5	5437.3	6964.7	8147.0	8811.0	9614.0	10843.9
-10°	1780.6	2294.1	3030.2	3880.3	4587.8	5335.6	6730.0	7983.0	8717.2	9455.8	10577.2
-12.5°	1738.4	2232.8	2931.1	3760.1	4488.6	5205.9	6430.9	7774.1	8597.9	9255.0	10239.3
-15°	1687.2	2158.3	2810.7	3614.4	4368.4	5048.9	6069.2	7521.9	8454.1	9013.4	9833.5
-17.5°	1627.1	2070.9	2669.6	3443.7	4227.8	4865.4	5647.1	7205.1	8220.6	8803.7	9524.9
-20°	1558.3	1970.9	2508.4	3248.7	4058.1	4674.5	5379.1	6685.0	7859.6	8598.8	9182.3



REPORT NUMBER: P1212070 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-70-1S-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1481.0	1858.7	2351.9	3047.1	3820.2	4479.6	5126.0	6105.8	7458.4	8371.6	8849.4
-25°	1397.2	1763.6	2215.7	2828.9	3558.0	4265.1	4848.1	5522.7	6880.2	7910.2	8583.2
-27.5°	1307.5	1660.5	2067.1	2591.1	3272.7	4011.2	4582.9	5197.9	6141.4	7401.6	8240.3
-30°	1210.4	1548.9	1906.6	2356.7	2988.2	3678.9	4312.7	4849.9	5466.3	6630.3	7661.0
-32.5°	1106.1	1429.7	1763.6	2169.6	2690.9	3324.6	4002.0	4527.5	5070.7	5736.5	6927.8
-35°	998.7	1307.5	1624.5	1970.9	2384.7	2973.9	3599.2	4202.2	4672.9	5204.9	5931.0
-37.5°	891.1	1178.3	1477.5	1784.0	2158.3	2616.6	3179.2	3784.8	4309.7	4746.3	5249.9
-40°	777.7	1042.4	1327.8	1616.6	1921.1	2294.1	2779.3	3313.8	3878.4	4345.8	4746.3
-42.5°	663.1	911.9	1172.9	1441.8	1717.3	2028.9	2376.4	2861.2	3359.9	3878.4	4309.7
-45°	576.4	776.2	1014.0	1267.4	1521.9	1778.3	2083.1	2404.0	2861.2	3313.8	3784.8
-47.5°	486.3	646.6	861.0	1086.9	1324.6	1562.1	1798.7	2083.1	2376.4	2779.3	3179.2
-50°	398.6	544.7	702.9	912.3	1124.7	1343.7	1562.1	1778.3	2028.9	2294.1	2616.6
-52.5°	324.9	439.6	580.0	736.9	929.5	1124.7	1324.6	1521.9	1717.3	1921.1	2158.3
-55°	249.1	351.6	463.1	591.8	736.9	912.3	1086.9	1267.4	1441.8	1616.6	1784.0
-57.5°	188.7	266.8	360.5	463.1	580.0	702.9	861.0	1014.0	1172.9	1327.8	1477.5
-60°	137.1	194.5	266.8	351.6	439.6	544.7	646.6	776.2	911.9	1042.4	1178.3
-62.5°	90.7	137.1	188.7	249.1	324.9	398.6	486.3	576.4	663.1	777.7	891.1
-65°	72.1	88.7	125.7	171.6	216.3	280.8	345.6	408.2	484.1	559.3	631.0
-67.5°	53.1	68.1	82.8	103.1	143.4	182.4	220.2	275.9	329.8	381.5	434.8
-70°	42.3	48.7	60.4	73.1	85.5	104.2	137.7	170.0	201.0	235.8	279.3
-72.5°	33.0	38.6	44.1	49.4	59.6	70.1	80.3	90.1	109.7	135.6	160.1
-75°	27.0	28.8	33.1	37.7	42.1	46.4	51.2	59.6	67.6	75.3	82.5
-77.5°	23.4	24.9	26.4	27.8	29.6	33.2	36.6	39.9	43.1	46.2	49.1
-80°	20.7	21.0	22.1	23.3	24.4	25.5	26.6	27.6	28.5	30.2	32.5
-82.5°	19.8	20.0	20.2	20.4	20.6	20.9	21.2	21.9	22.7	23.4	24.0
-85°	17.5	19.0	19.1	19.3	19.4	19.6	19.7	19.8	19.9	20.1	20.2
-87.5°	8.8	9.5	10.2	10.9	11.6	12.2	12.8	13.4	14.0	14.6	15.1
-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: P1212070 (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°	15.6	16.0	16.5	16.9	17.2	17.6	17.9	18.1	18.4	18.5	18.7
85°	20.3	20.4	20.5	20.5	20.6	20.7	20.8	20.8	20.9	20.9	20.9
82.5°	24.6	25.2	25.8	26.3	26.7	27.2	27.5	27.9	28.2	28.4	28.6
80°	34.7	36.7	38.7	40.4	42.1	43.5	44.9	46.1	47.1	48.0	48.7
77.5°	53.7	59.1	64.1	68.8	73.1	77.0	80.5	83.7	86.4	88.7	90.6
75°	89.4	99.5	117.0	133.2	148.2	161.8	174.1	185.0	194.5	202.5	209.2
72.5°	183.4	205.3	228.4	257.8	284.9	309.6	331.8	351.6	368.8	383.5	395.5
70°	320.6	359.4	395.8	433.4	474.1	511.2	544.7	574.5	600.4	622.5	640.6
67.5°	495.7	553.1	606.9	656.9	716.0	776.2	830.5	878.8	921.0	956.8	986.3
65°	710.2	802.0	888.1	968.2	1042.4	1116.2	1182.8	1242.1	1293.9	1337.9	1374.2
62.5°	998.7	1106.1	1210.4	1307.5	1397.2	1481.0	1558.3	1627.1	1687.2	1738.4	1780.6
60°	1307.5	1429.7	1548.9	1660.5	1763.6	1858.7	1970.9	2070.9	2158.3	2232.8	2294.1
57.5°	1624.5	1763.6	1906.6	2067.1	2215.7	2351.9	2508.4	2669.6	2810.7	2931.1	3030.2
55°	1970.9	2169.6	2356.7	2591.1	2828.9	3047.1	3248.7	3443.7	3614.4	3760.1	3880.3
52.5°	2384.7	2690.9	2988.2	3272.7	3558.0	3820.2	4058.1	4227.8	4368.4	4488.6	4587.8
50°	2973.9	3324.6	3678.9	4011.2	4265.1	4479.6	4674.5	4865.4	5048.9	5205.9	5335.6
47.5°	3599.2	4002.0	4312.7	4582.9	4848.1	5126.0	5379.1	5647.1	6069.2	6430.9	6730.0
45°	4202.2	4527.5	4849.9	5197.9	5522.7	6105.8	6685.0	7205.1	7521.9	7774.1	7983.0
42.5°	4672.9	5070.7	5466.3	6141.4	6880.2	7458.4	7859.6	8220.6	8454.1	8597.9	8717.2
40°	5204.9	5736.5	6630.3	7401.6	7910.2	8371.6	8598.8	8803.7	9013.4	9255.0	9455.8
37.5°	5931.0	6927.8	7661.0	8240.3	8583.2	8849.4	9182.3	9524.9	9833.5	10239.3	10577.2
35°	7027.6	7792.1	8402.8	8727.1	9087.9	9530.0	10002.0	10574.1	11083.1	11622.6	12100.1
32.5°	7792.1	8438.3	8800.0	9261.5	9767.2	10471.2	11149.4	11938.3	12653.8	13362.6	14032.5
30°	8402.8	8800.0	9319.9	9924.4	10758.5	11647.6	12593.7	13598.5	14596.3	15530.6	16487.8
27.5°	8727.1	9261.5	9924.4	10855.2	11907.3	13003.0	14310.4	15589.7	17005.6	18247.5	19664.0
25°	9087.9	9767.2	10758.5	11907.3	13177.6	14673.3	16328.1	18025.4	20025.4	21861.1	23754.7
22.5°	9530.0	10471.2	11647.6	13003.0	14673.3	16577.8	18650.8	21129.3	23717.4	26326.7	29344.0
20°	10002.0	11149.4	12593.7	14310.4	16328.1	18650.8	21503.7	24739.1	28235.9	33314.7	39060.8
17.5°	10574.1	11938.3	13598.5	15589.7	18025.4	21129.3	24739.1	29206.7	35373.3	47477.6	60082.4
15°	11083.1	12653.8	14596.3	17005.6	20025.4	23717.4	28235.9	35373.3	50364.5	72623.4	103207.5
12.5°	11622.6	13362.6	15530.6	18247.5	21861.1	26326.7	33314.7	47477.6	72623.4	110635.7	167652.3
10°	12100.1	14032.5	16487.8	19664.0	23754.7	29344.0	39060.8	60082.4	103207.5	167652.3	240768.3
7.5°	12477.8	14563.8	17249.6	20797.7	25380.4	32545.5	48298.1	81785.2	140151.6	221508.3	317202.0
5°	12751.2	14949.1	17803.6	21625.0	26572.1	34905.8	55160.9	98734.6	173503.9	271331.0	380561.3
2.5°	12916.6	15182.7	18140.1	22128.8	27300.1	36353.8	59395.6	109279.3	194503.4	304549.8	424089.4
0°	12972.0	15261.0	18253.0	22298.0	27545.0	36842.0	60828.0	112862.1	201687.2	316113.3	439535.4
-2.5°	12916.6	15182.7	18140.1	22128.8	27300.1	36353.8	59395.6	109279.3	194503.4	304549.8	424089.4
-5°	12751.2	14949.1	17803.6	21625.0	26572.1	34905.8	55160.9	98734.6	173503.9	271331.0	380561.3
-7.5°	12477.8	14563.8	17249.6	20797.7	25380.4	32545.5	48298.1	81785.2	140151.6	221508.3	317202.0
-10°	12100.1	14032.5	16487.8	19664.0	23754.7	29344.0	39060.8	60082.4	103207.5	167652.3	240768.3
-12.5°	11622.6	13362.6	15530.6	18247.5	21861.1	26326.7	33314.7	47477.6	72623.4	110635.7	167652.3
-15°	11083.1	12653.8	14596.3	17005.6	20025.4	23717.4	28235.9	35373.3	50364.5	72623.4	103207.5
-17.5°	10574.1	11938.3	13598.5	15589.7	18025.4	21129.3	24739.1	29206.7	35373.3	47477.6	60082.4
-20°	10002.0	11149.4	12593.7	14310.4	16328.1	18650.8	21503.7	24739.1	28235.9	33314.7	39060.8



REPORT NUMBER: P1212070 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-70-1S-HEG

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9530.0	10471.2	11647.6	13003.0	14673.3	16577.8	18650.8	21129.3	23717.4	26326.7	29344.0
-25°	9087.9	9767.2	10758.5	11907.3	13177.6	14673.3	16328.1	18025.4	20025.4	21861.1	23754.7
-27.5°	8727.1	9261.5	9924.4	10855.2	11907.3	13003.0	14310.4	15589.7	17005.6	18247.5	19664.0
-30°	8402.8	8800.0	9319.9	9924.4	10758.5	11647.6	12593.7	13598.5	14596.3	15530.6	16487.8
-32.5°	7792.1	8438.3	8800.0	9261.5	9767.2	10471.2	11149.4	11938.3	12653.8	13362.6	14032.5
-35°	7027.6	7792.1	8402.8	8727.1	9087.9	9530.0	10002.0	10574.1	11083.1	11622.6	12100.1
-37.5°	5931.0	6927.8	7661.0	8240.3	8583.2	8849.4	9182.3	9524.9	9833.5	10239.3	10577.2
-40°	5204.9	5736.5	6630.3	7401.6	7910.2	8371.6	8598.8	8803.7	9013.4	9255.0	9455.8
-42.5°	4672.9	5070.7	5466.3	6141.4	6880.2	7458.4	7859.6	8220.6	8454.1	8597.9	8717.2
-45°	4202.2	4527.5	4849.9	5197.9	5522.7	6105.8	6685.0	7205.1	7521.9	7774.1	7983.0
-47.5°	3599.2	4002.0	4312.7	4582.9	4848.1	5126.0	5379.1	5647.1	6069.2	6430.9	6730.0
-50°	2973.9	3324.6	3678.9	4011.2	4265.1	4479.6	4674.5	4865.4	5048.9	5205.9	5335.6
-52.5°	2384.7	2690.9	2988.2	3272.7	3558.0	3820.2	4058.1	4227.8	4368.4	4488.6	4587.8
-55°	1970.9	2169.6	2356.7	2591.1	2828.9	3047.1	3248.7	3443.7	3614.4	3760.1	3880.3
-57.5°	1624.5	1763.6	1906.6	2067.1	2215.7	2351.9	2508.4	2669.6	2810.7	2931.1	3030.2
-60°	1307.5	1429.7	1548.9	1660.5	1763.6	1858.7	1970.9	2070.9	2158.3	2232.8	2294.1
-62.5°	998.7	1106.1	1210.4	1307.5	1397.2	1481.0	1558.3	1627.1	1687.2	1738.4	1780.6
-65°	710.2	802.0	888.1	968.2	1042.4	1116.2	1182.8	1242.1	1293.9	1337.9	1374.2
-67.5°	495.7	553.1	606.9	656.9	716.0	776.2	830.5	878.8	921.0	956.8	986.3
-70°	320.6	359.4	395.8	433.4	474.1	511.2	544.7	574.5	600.4	622.5	640.6
-72.5°	183.4	205.3	228.4	257.8	284.9	309.6	331.8	351.6	368.8	383.5	395.5
-75°	89.4	99.5	117.0	133.2	148.2	161.8	174.1	185.0	194.5	202.5	209.2
-77.5°	53.7	59.1	64.1	68.8	73.1	77.0	80.5	83.7	86.4	88.7	90.6
-80°	34.7	36.7	38.7	40.4	42.1	43.5	44.9	46.1	47.1	48.0	48.7
-82.5°	24.6	25.2	25.8	26.3	26.7	27.2	27.5	27.9	28.2	28.4	28.6
-85°	20.3	20.4	20.5	20.5	20.6	20.7	20.8	20.8	20.9	20.9	20.9
-87.5°	15.6	16.0	16.5	16.9	17.2	17.6	17.9	18.1	18.4	18.5	18.7
-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: P1212070 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-100R-40-70-1S-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°	18.8	18.9	19.0	19.0	19.0	18.9	18.8	18.7	18.5	18.4	18.1
85°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	20.9	20.9	20.9	20.8
82.5°	28.8	28.9	29.0	29.0	29.0	28.9	28.8	28.6	28.4	28.2	27.9
80°	49.3	49.7	49.9	50.0	49.9	49.7	49.3	48.7	48.0	47.1	46.1
77.5°	92.1	93.1	93.8	94.0	93.8	93.1	92.1	90.6	88.7	86.4	83.7
75°	214.3	218.0	220.3	221.0	220.3	218.0	214.3	209.2	202.5	194.5	185.0
72.5°	404.9	411.6	415.7	417.0	415.7	411.6	404.9	395.5	383.5	368.8	351.6
70°	654.7	664.9	671.0	673.0	671.0	664.9	654.7	640.6	622.5	600.4	574.5
67.5°	1009.3	1025.8	1035.7	1039.0	1035.7	1025.8	1009.3	986.3	956.8	921.0	878.8
65°	1402.5	1422.7	1434.9	1439.0	1434.9	1422.7	1402.5	1374.2	1337.9	1293.9	1242.1
62.5°	1813.5	1837.1	1851.3	1856.0	1851.3	1837.1	1813.5	1780.6	1738.4	1687.2	1627.1
60°	2342.1	2376.4	2397.1	2404.0	2397.1	2376.4	2342.1	2294.1	2232.8	2158.3	2070.9
57.5°	3107.7	3163.4	3196.8	3208.0	3196.8	3163.4	3107.7	3030.2	2931.1	2810.7	2669.6
55°	3974.3	4041.8	4082.4	4096.0	4082.4	4041.8	3974.3	3880.3	3760.1	3614.4	3443.7
52.5°	4665.5	4721.2	4754.8	4766.0	4754.8	4721.2	4665.5	4587.8	4488.6	4368.4	4227.8
50°	5437.3	5510.3	5554.3	5569.0	5554.3	5510.3	5437.3	5335.6	5205.9	5048.9	4865.4
47.5°	6964.7	7133.4	7235.0	7269.0	7235.0	7133.4	6964.7	6730.0	6430.9	6069.2	5647.1
45°	8147.0	8265.0	8336.2	8360.0	8336.2	8265.0	8147.0	7983.0	7774.1	7521.9	7205.1
42.5°	8811.0	8878.6	8919.4	8933.0	8919.4	8878.6	8811.0	8717.2	8597.9	8454.1	8220.6
40°	9614.0	9728.1	9797.0	9820.0	9797.0	9728.1	9614.0	9455.8	9255.0	9013.4	8803.7
37.5°	10843.9	11036.6	11153.0	11192.0	11153.0	11036.6	10843.9	10577.2	10239.3	9833.5	9524.9
35°	12477.8	12751.2	12916.6	12972.0	12916.6	12751.2	12477.8	12100.1	11622.6	11083.1	10574.1
32.5°	14563.8	14949.1	15182.7	15261.0	15182.7	14949.1	14563.8	14032.5	13362.6	12653.8	11938.3
30°	17249.6	17803.6	18140.1	18253.0	18140.1	17803.6	17249.6	16487.8	15530.6	14596.3	13598.5
27.5°	20797.7	21625.0	22128.8	22298.0	22128.8	21625.0	20797.7	19664.0	18247.5	17005.6	15589.7
25°	25380.4	26572.1	27300.1	27545.0	27300.1	26572.1	25380.4	23754.7	21861.1	20025.4	18025.4
22.5°	32545.5	34905.8	36353.8	36842.0	36353.8	34905.8	32545.5	29344.0	26326.7	23717.4	21129.3
20°	48298.1	55160.9	59395.6	60828.0	59395.6	55160.9	48298.1	39060.8	33314.7	28235.9	24739.1
17.5°	81785.2	98734.6	109279.3	112862.1	109279.3	98734.6	81785.2	60082.4	47477.6	35373.3	29206.7
15°	140151.6	173503.9	194503.4	201687.2	194503.4	173503.9	140151.6	103207.5	72623.4	50364.5	35373.3
12.5°	221508.3	271331.0	304549.8	316113.3	304549.8	271331.0	221508.3	167652.3	110635.7	72623.4	47477.6
10°	317202.0	380561.3	424089.4	439535.4	424089.4	380561.3	317202.0	240768.3	167652.3	103207.5	60082.4
7.5°	409553.2	491746.4	552294.6	574550.5	552294.6	491746.4	409553.2	317202.0	221508.3	140151.6	81785.2
5°	491746.4	598460.9	686998.3	722968.6	686998.3	598460.9	491746.4	380561.3	271331.0	173503.9	98734.6
2.5°	552294.6	686998.3	816690.9	876963.7	816690.9	686998.3	552294.6	424089.4	304549.8	194503.4	109279.3
0°	574550.5	722968.6	876963.7	949080.8	876963.7	722968.6	574550.5	439535.4	316113.3	201687.2	112862.1
-2.5°	552294.6	686998.3	816690.9	876963.7	816690.9	686998.3	552294.6	424089.4	304549.8	194503.4	109279.3
-5°	491746.4	598460.9	686998.3	722968.6	686998.3	598460.9	491746.4	380561.3	271331.0	173503.9	98734.6
-7.5°	409553.2	491746.4	552294.6	574550.5	552294.6	491746.4	409553.2	317202.0	221508.3	140151.6	81785.2
-10°	317202.0	380561.3	424089.4	439535.4	424089.4	380561.3	317202.0	240768.3	167652.3	103207.5	60082.4
-12.5°	221508.3	271331.0	304549.8	316113.3	304549.8	271331.0	221508.3	167652.3	110635.7	72623.4	47477.6
-15°	140151.6	173503.9	194503.4	201687.2	194503.4	173503.9	140151.6	103207.5	72623.4	50364.5	35373.3
-17.5°	81785.2	98734.6	109279.3	112862.1	109279.3	98734.6	81785.2	60082.4	47477.6	35373.3	29206.7
-20°	48298.1	55160.9	59395.6	60828.0	59395.6	55160.9	48298.1	39060.8	33314.7	28235.9	24739.1



REPORT NUMBER: P1212070 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-70-1S-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	32545.5	34905.8	36353.8	36842.0	36353.8	34905.8	32545.5	29344.0	26326.7	23717.4	21129.3
-25°	25380.4	26572.1	27300.1	27545.0	27300.1	26572.1	25380.4	23754.7	21861.1	20025.4	18025.4
-27.5°	20797.7	21625.0	22128.8	22298.0	22128.8	21625.0	20797.7	19664.0	18247.5	17005.6	15589.7
-30°	17249.6	17803.6	18140.1	18253.0	18140.1	17803.6	17249.6	16487.8	15530.6	14596.3	13598.5
-32.5°	14563.8	14949.1	15182.7	15261.0	15182.7	14949.1	14563.8	14032.5	13362.6	12653.8	11938.3
-35°	12477.8	12751.2	12916.6	12972.0	12916.6	12751.2	12477.8	12100.1	11622.6	11083.1	10574.1
-37.5°	10843.9	11036.6	11153.0	11192.0	11153.0	11036.6	10843.9	10577.2	10239.3	9833.5	9524.9
-40°	9614.0	9728.1	9797.0	9820.0	9797.0	9728.1	9614.0	9455.8	9255.0	9013.4	8803.7
-42.5°	8811.0	8878.6	8919.4	8933.0	8919.4	8878.6	8811.0	8717.2	8597.9	8454.1	8220.6
-45°	8147.0	8265.0	8336.2	8360.0	8336.2	8265.0	8147.0	7983.0	7774.1	7521.9	7205.1
-47.5°	6964.7	7133.4	7235.0	7269.0	7235.0	7133.4	6964.7	6730.0	6430.9	6069.2	5647.1
-50°	5437.3	5510.3	5554.3	5569.0	5554.3	5510.3	5437.3	5335.6	5205.9	5048.9	4865.4
-52.5°	4665.5	4721.2	4754.8	4766.0	4754.8	4721.2	4665.5	4587.8	4488.6	4368.4	4227.8
-55°	3974.3	4041.8	4082.4	4096.0	4082.4	4041.8	3974.3	3880.3	3760.1	3614.4	3443.7
-57.5°	3107.7	3163.4	3196.8	3208.0	3196.8	3163.4	3107.7	3030.2	2931.1	2810.7	2669.6
-60°	2342.1	2376.4	2397.1	2404.0	2397.1	2376.4	2342.1	2294.1	2232.8	2158.3	2070.9
-62.5°	1813.5	1837.1	1851.3	1856.0	1851.3	1837.1	1813.5	1780.6	1738.4	1687.2	1627.1
-65°	1402.5	1422.7	1434.9	1439.0	1434.9	1422.7	1402.5	1374.2	1337.9	1293.9	1242.1
-67.5°	1009.3	1025.8	1035.7	1039.0	1035.7	1025.8	1009.3	986.3	956.8	921.0	878.8
-70°	654.7	664.9	671.0	673.0	671.0	664.9	654.7	640.6	622.5	600.4	574.5
-72.5°	404.9	411.6	415.7	417.0	415.7	411.6	404.9	395.5	383.5	368.8	351.6
-75°	214.3	218.0	220.3	221.0	220.3	218.0	214.3	209.2	202.5	194.5	185.0
-77.5°	92.1	93.1	93.8	94.0	93.8	93.1	92.1	90.6	88.7	86.4	83.7
-80°	49.3	49.7	49.9	50.0	49.9	49.7	49.3	48.7	48.0	47.1	46.1
-82.5°	28.8	28.9	29.0	29.0	29.0	28.9	28.8	28.6	28.4	28.2	27.9
-85°	21.0	21.0	21.0	21.0	21.0	21.0	21.0	20.9	20.9	20.9	20.8
-87.5°	18.8	18.9	19.0	19.0	19.0	18.9	18.8	18.7	18.5	18.4	18.1
-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: P1212070 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-70-1S-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°	17.9	17.6	17.2	16.9	16.5	16.0	15.6	15.1	14.6	14.0	13.4
85°	20.8	20.7	20.6	20.5	20.5	20.4	20.3	20.2	20.1	19.9	19.8
82.5°	27.5	27.2	26.7	26.3	25.8	25.2	24.6	24.0	23.4	22.7	21.9
80°	44.9	43.5	42.1	40.4	38.7	36.7	34.7	32.5	30.2	28.5	27.6
77.5°	80.5	77.0	73.1	68.8	64.1	59.1	53.7	49.1	46.2	43.1	39.9
75°	174.1	161.8	148.2	133.2	117.0	99.5	89.4	82.5	75.3	67.6	59.6
72.5°	331.8	309.6	284.9	257.8	228.4	205.3	183.4	160.1	135.6	109.7	90.1
70°	544.7	511.2	474.1	433.4	395.8	359.4	320.6	279.3	235.8	201.0	170.0
67.5°	830.5	776.2	716.0	656.9	606.9	553.1	495.7	434.8	381.5	329.8	275.9
65°	1182.8	1116.2	1042.4	968.2	888.1	802.0	710.2	631.0	559.3	484.1	408.2
62.5°	1558.3	1481.0	1397.2	1307.5	1210.4	1106.1	998.7	891.1	777.7	663.1	576.4
60°	1970.9	1858.7	1763.6	1660.5	1548.9	1429.7	1307.5	1178.3	1042.4	911.9	776.2
57.5°	2508.4	2351.9	2215.7	2067.1	1906.6	1763.6	1624.5	1477.5	1327.8	1172.9	1014.0
55°	3248.7	3047.1	2828.9	2591.1	2356.7	2169.6	1970.9	1784.0	1616.6	1441.8	1267.4
52.5°	4058.1	3820.2	3558.0	3272.7	2988.2	2690.9	2384.7	2158.3	1921.1	1717.3	1521.9
50°	4674.5	4479.6	4265.1	4011.2	3678.9	3324.6	2973.9	2616.6	2294.1	2028.9	1778.3
47.5°	5379.1	5126.0	4848.1	4582.9	4312.7	4002.0	3599.2	3179.2	2779.3	2376.4	2083.1
45°	6685.0	6105.8	5522.7	5197.9	4849.9	4527.5	4202.2	3784.8	3313.8	2861.2	2404.0
42.5°	7859.6	7458.4	6880.2	6141.4	5466.3	5070.7	4672.9	4309.7	3878.4	3359.9	2861.2
40°	8598.8	8371.6	7910.2	7401.6	6630.3	5736.5	5204.9	4746.3	4345.8	3878.4	3313.8
37.5°	9182.3	8849.4	8583.2	8240.3	7661.0	6927.8	5931.0	5249.9	4746.3	4309.7	3784.8
35°	10002.0	9530.0	9087.9	8727.1	8402.8	7792.1	7027.6	5931.0	5204.9	4672.9	4202.2
32.5°	11149.4	10471.2	9767.2	9261.5	8800.0	8438.3	7792.1	6927.8	5736.5	5070.7	4527.5
30°	12593.7	11647.6	10758.5	9924.4	9319.9	8800.0	8402.8	7661.0	6630.3	5466.3	4849.9
27.5°	14310.4	13003.0	11907.3	10855.2	9924.4	9261.5	8727.1	8240.3	7401.6	6141.4	5197.9
25°	16328.1	14673.3	13177.6	11907.3	10758.5	9767.2	9087.9	8583.2	7910.2	6880.2	5522.7
22.5°	18650.8	16577.8	14673.3	13003.0	11647.6	10471.2	9530.0	8849.4	8371.6	7458.4	6105.8
20°	21503.7	18650.8	16328.1	14310.4	12593.7	11149.4	10002.0	9182.3	8598.8	7859.6	6685.0
17.5°	24739.1	21129.3	18025.4	15589.7	13598.5	11938.3	10574.1	9524.9	8803.7	8220.6	7205.1
15°	28235.9	23717.4	20025.4	17005.6	14596.3	12653.8	11083.1	9833.5	9013.4	8454.1	7521.9
12.5°	33314.7	26326.7	21861.1	18247.5	15530.6	13362.6	11622.6	10239.3	9255.0	8597.9	7774.1
10°	39060.8	29344.0	23754.7	19664.0	16487.8	14032.5	12100.1	10577.2	9455.8	8717.2	7983.0
7.5°	48298.1	32545.5	25380.4	20797.7	17249.6	14563.8	12477.8	10843.9	9614.0	8811.0	8147.0
5°	55160.9	34905.8	26572.1	21625.0	17803.6	14949.1	12751.2	11036.6	9728.1	8878.6	8265.0
2.5°	59395.6	36353.8	27300.1	22128.8	18140.1	15182.7	12916.6	11153.0	9797.0	8919.4	8336.2
0°	60828.0	36842.0	27545.0	22298.0	18253.0	15261.0	12972.0	11192.0	9820.0	8933.0	8360.0
-2.5°	59395.6	36353.8	27300.1	22128.8	18140.1	15182.7	12916.6	11153.0	9797.0	8919.4	8336.2
-5°	55160.9	34905.8	26572.1	21625.0	17803.6	14949.1	12751.2	11036.6	9728.1	8878.6	8265.0
-7.5°	48298.1	32545.5	25380.4	20797.7	17249.6	14563.8	12477.8	10843.9	9614.0	8811.0	8147.0
-10°	39060.8	29344.0	23754.7	19664.0	16487.8	14032.5	12100.1	10577.2	9455.8	8717.2	7983.0
-12.5°	33314.7	26326.7	21861.1	18247.5	15530.6	13362.6	11622.6	10239.3	9255.0	8597.9	7774.1
-15°	28235.9	23717.4	20025.4	17005.6	14596.3	12653.8	11083.1	9833.5	9013.4	8454.1	7521.9
-17.5°	24739.1	21129.3	18025.4	15589.7	13598.5	11938.3	10574.1	9524.9	8803.7	8220.6	7205.1
-20°	21503.7	18650.8	16328.1	14310.4	12593.7	11149.4	10002.0	9182.3	8598.8	7859.6	6685.0



REPORT NUMBER: P1212070 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-70-1S-HEG

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	18650.8	16577.8	14673.3	13003.0	11647.6	10471.2	9530.0	8849.4	8371.6	7458.4	6105.8
-25°	16328.1	14673.3	13177.6	11907.3	10758.5	9767.2	9087.9	8583.2	7910.2	6880.2	5522.7
-27.5°	14310.4	13003.0	11907.3	10855.2	9924.4	9261.5	8727.1	8240.3	7401.6	6141.4	5197.9
-30°	12593.7	11647.6	10758.5	9924.4	9319.9	8800.0	8402.8	7661.0	6630.3	5466.3	4849.9
-32.5°	11149.4	10471.2	9767.2	9261.5	8800.0	8438.3	7792.1	6927.8	5736.5	5070.7	4527.5
-35°	10002.0	9530.0	9087.9	8727.1	8402.8	7792.1	7027.6	5931.0	5204.9	4672.9	4202.2
-37.5°	9182.3	8849.4	8583.2	8240.3	7661.0	6927.8	5931.0	5249.9	4746.3	4309.7	3784.8
-40°	8598.8	8371.6	7910.2	7401.6	6630.3	5736.5	5204.9	4746.3	4345.8	3878.4	3313.8
-42.5°	7859.6	7458.4	6880.2	6141.4	5466.3	5070.7	4672.9	4309.7	3878.4	3359.9	2861.2
-45°	6685.0	6105.8	5522.7	5197.9	4849.9	4527.5	4202.2	3784.8	3313.8	2861.2	2404.0
-47.5°	5379.1	5126.0	4848.1	4582.9	4312.7	4002.0	3599.2	3179.2	2779.3	2376.4	2083.1
-50°	4674.5	4479.6	4265.1	4011.2	3678.9	3324.6	2973.9	2616.6	2294.1	2028.9	1778.3
-52.5°	4058.1	3820.2	3558.0	3272.7	2988.2	2690.9	2384.7	2158.3	1921.1	1717.3	1521.9
-55°	3248.7	3047.1	2828.9	2591.1	2356.7	2169.6	1970.9	1784.0	1616.6	1441.8	1267.4
-57.5°	2508.4	2351.9	2215.7	2067.1	1906.6	1763.6	1624.5	1477.5	1327.8	1172.9	1014.0
-60°	1970.9	1858.7	1763.6	1660.5	1548.9	1429.7	1307.5	1178.3	1042.4	911.9	776.2
-62.5°	1558.3	1481.0	1397.2	1307.5	1210.4	1106.1	998.7	891.1	777.7	663.1	576.4
-65°	1182.8	1116.2	1042.4	968.2	888.1	802.0	710.2	631.0	559.3	484.1	408.2
-67.5°	830.5	776.2	716.0	656.9	606.9	553.1	495.7	434.8	381.5	329.8	275.9
-70°	544.7	511.2	474.1	433.4	395.8	359.4	320.6	279.3	235.8	201.0	170.0
-72.5°	331.8	309.6	284.9	257.8	228.4	205.3	183.4	160.1	135.6	109.7	90.1
-75°	174.1	161.8	148.2	133.2	117.0	99.5	89.4	82.5	75.3	67.6	59.6
-77.5°	80.5	77.0	73.1	68.8	64.1	59.1	53.7	49.1	46.2	43.1	39.9
-80°	44.9	43.5	42.1	40.4	38.7	36.7	34.7	32.5	30.2	28.5	27.6
-82.5°	27.5	27.2	26.7	26.3	25.8	25.2	24.6	24.0	23.4	22.7	21.9
-85°	20.8	20.7	20.6	20.5	20.5	20.4	20.3	20.2	20.1	19.9	19.8
-87.5°	17.9	17.6	17.2	16.9	16.5	16.0	15.6	15.1	14.6	14.0	13.4
-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: P1212070 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-40-70-1S-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°	12.8	12.2	11.6	10.9	10.2	9.5	8.8	8.0	7.3	6.5	5.7
85°	19.7	19.6	19.4	19.3	19.1	19.0	17.5	16.0	14.5	13.0	11.4
82.5°	21.2	20.9	20.6	20.4	20.2	20.0	19.8	19.5	19.3	19.0	17.1
80°	26.6	25.5	24.4	23.3	22.1	21.0	20.7	20.4	20.0	19.7	19.4
77.5°	36.6	33.2	29.6	27.8	26.4	24.9	23.4	21.8	20.8	20.4	20.0
75°	51.2	46.4	42.1	37.7	33.1	28.8	27.0	25.1	23.2	21.3	20.6
72.5°	80.3	70.1	59.6	49.4	44.1	38.6	33.0	28.4	26.1	23.9	21.6
70°	137.7	104.2	85.5	73.1	60.4	48.7	42.3	35.8	29.2	26.5	23.9
67.5°	220.2	182.4	143.4	103.1	82.8	68.1	53.1	44.2	36.7	29.2	26.1
65°	345.6	280.8	216.3	171.6	125.7	88.7	72.1	55.1	44.2	35.8	28.4
62.5°	486.3	398.6	324.9	249.1	188.7	137.1	90.7	72.1	53.1	42.3	33.0
60°	646.6	544.7	439.6	351.6	266.8	194.5	137.1	88.7	68.1	48.7	38.6
57.5°	861.0	702.9	580.0	463.1	360.5	266.8	188.7	125.7	82.8	60.4	44.1
55°	1086.9	912.3	736.9	591.8	463.1	351.6	249.1	171.6	103.1	73.1	49.4
52.5°	1324.6	1124.7	929.5	736.9	580.0	439.6	324.9	216.3	143.4	85.5	59.6
50°	1562.1	1343.7	1124.7	912.3	702.9	544.7	398.6	280.8	182.4	104.2	70.1
47.5°	1798.7	1562.1	1324.6	1086.9	861.0	646.6	486.3	345.6	220.2	137.7	80.3
45°	2083.1	1778.3	1521.9	1267.4	1014.0	776.2	576.4	408.2	275.9	170.0	90.1
42.5°	2376.4	2028.9	1717.3	1441.8	1172.9	911.9	663.1	484.1	329.8	201.0	109.7
40°	2779.3	2294.1	1921.1	1616.6	1327.8	1042.4	777.7	559.3	381.5	235.8	135.6
37.5°	3179.2	2616.6	2158.3	1784.0	1477.5	1178.3	891.1	631.0	434.8	279.3	160.1
35°	3599.2	2973.9	2384.7	1970.9	1624.5	1307.5	998.7	710.2	495.7	320.6	183.4
32.5°	4002.0	3324.6	2690.9	2169.6	1763.6	1429.7	1106.1	802.0	553.1	359.4	205.3
30°	4312.7	3678.9	2988.2	2356.7	1906.6	1548.9	1210.4	888.1	606.9	395.8	228.4
27.5°	4582.9	4011.2	3272.7	2591.1	2067.1	1660.5	1307.5	968.2	656.9	433.4	257.8
25°	4848.1	4265.1	3558.0	2828.9	2215.7	1763.6	1397.2	1042.4	716.0	474.1	284.9
22.5°	5126.0	4479.6	3820.2	3047.1	2351.9	1858.7	1481.0	1116.2	776.2	511.2	309.6
20°	5379.1	4674.5	4058.1	3248.7	2508.4	1970.9	1558.3	1182.8	830.5	544.7	331.8
17.5°	5647.1	4865.4	4227.8	3443.7	2669.6	2070.9	1627.1	1242.1	878.8	574.5	351.6
15°	6069.2	5048.9	4368.4	3614.4	2810.7	2158.3	1687.2	1293.9	921.0	600.4	368.8
12.5°	6430.9	5205.9	4488.6	3760.1	2931.1	2232.8	1738.4	1337.9	956.8	622.5	383.5
10°	6730.0	5335.6	4587.8	3880.3	3030.2	2294.1	1780.6	1374.2	986.3	640.6	395.5
7.5°	6964.7	5437.3	4665.5	3974.3	3107.7	2342.1	1813.5	1402.5	1009.3	654.7	404.9
5°	7133.4	5510.3	4721.2	4041.8	3163.4	2376.4	1837.1	1422.7	1025.8	664.9	411.6
2.5°	7235.0	5554.3	4754.8	4082.4	3196.8	2397.1	1851.3	1434.9	1035.7	671.0	415.7
0°	7269.0	5569.0	4766.0	4096.0	3208.0	2404.0	1856.0	1439.0	1039.0	673.0	417.0
-2.5°	7235.0	5554.3	4754.8	4082.4	3196.8	2397.1	1851.3	1434.9	1035.7	671.0	415.7
-5°	7133.4	5510.3	4721.2	4041.8	3163.4	2376.4	1837.1	1422.7	1025.8	664.9	411.6
-7.5°	6964.7	5437.3	4665.5	3974.3	3107.7	2342.1	1813.5	1402.5	1009.3	654.7	404.9
-10°	6730.0	5335.6	4587.8	3880.3	3030.2	2294.1	1780.6	1374.2	986.3	640.6	395.5
-12.5°	6430.9	5205.9	4488.6	3760.1	2931.1	2232.8	1738.4	1337.9	956.8	622.5	383.5
-15°	6069.2	5048.9	4368.4	3614.4	2810.7	2158.3	1687.2	1293.9	921.0	600.4	368.8
-17.5°	5647.1	4865.4	4227.8	3443.7	2669.6	2070.9	1627.1	1242.1	878.8	574.5	351.6
-20°	5379.1	4674.5	4058.1	3248.7	2508.4	1970.9	1558.3	1182.8	830.5	544.7	331.8



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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°	5126.0	4479.6	3820.2	3047.1	2351.9	1858.7	1481.0	1116.2	776.2	511.2	309.6
-25°	4848.1	4265.1	3558.0	2828.9	2215.7	1763.6	1397.2	1042.4	716.0	474.1	284.9
-27.5°	4582.9	4011.2	3272.7	2591.1	2067.1	1660.5	1307.5	968.2	656.9	433.4	257.8
-30°	4312.7	3678.9	2988.2	2356.7	1906.6	1548.9	1210.4	888.1	606.9	395.8	228.4
-32.5°	4002.0	3324.6	2690.9	2169.6	1763.6	1429.7	1106.1	802.0	553.1	359.4	205.3
-35°	3599.2	2973.9	2384.7	1970.9	1624.5	1307.5	998.7	710.2	495.7	320.6	183.4
-37.5°	3179.2	2616.6	2158.3	1784.0	1477.5	1178.3	891.1	631.0	434.8	279.3	160.1
-40°	2779.3	2294.1	1921.1	1616.6	1327.8	1042.4	777.7	559.3	381.5	235.8	135.6
-42.5°	2376.4	2028.9	1717.3	1441.8	1172.9	911.9	663.1	484.1	329.8	201.0	109.7
-45°	2083.1	1778.3	1521.9	1267.4	1014.0	776.2	576.4	408.2	275.9	170.0	90.1
-47.5°	1798.7	1562.1	1324.6	1086.9	861.0	646.6	486.3	345.6	220.2	137.7	80.3
-50°	1562.1	1343.7	1124.7	912.3	702.9	544.7	398.6	280.8	182.4	104.2	70.1
-52.5°	1324.6	1124.7	929.5	736.9	580.0	439.6	324.9	216.3	143.4	85.5	59.6
-55°	1086.9	912.3	736.9	591.8	463.1	351.6	249.1	171.6	103.1	73.1	49.4
-57.5°	861.0	702.9	580.0	463.1	360.5	266.8	188.7	125.7	82.8	60.4	44.1
-60°	646.6	544.7	439.6	351.6	266.8	194.5	137.1	88.7	68.1	48.7	38.6
-62.5°	486.3	398.6	324.9	249.1	188.7	137.1	90.7	72.1	53.1	42.3	33.0
-65°	345.6	280.8	216.3	171.6	125.7	88.7	72.1	55.1	44.2	35.8	28.4
-67.5°	220.2	182.4	143.4	103.1	82.8	68.1	53.1	44.2	36.7	29.2	26.1
-70°	137.7	104.2	85.5	73.1	60.4	48.7	42.3	35.8	29.2	26.5	23.9
-72.5°	80.3	70.1	59.6	49.4	44.1	38.6	33.0	28.4	26.1	23.9	21.6
-75°	51.2	46.4	42.1	37.7	33.1	28.8	27.0	25.1	23.2	21.3	20.6
-77.5°	36.6	33.2	29.6	27.8	26.4	24.9	23.4	21.8	20.8	20.4	20.0
-80°	26.6	25.5	24.4	23.3	22.1	21.0	20.7	20.4	20.0	19.7	19.4
-82.5°	21.2	20.9	20.6	20.4	20.2	20.0	19.8	19.5	19.3	19.0	17.1
-85°	19.7	19.6	19.4	19.3	19.1	19.0	17.5	16.0	14.5	13.0	11.4
-87.5°	12.8	12.2	11.6	10.9	10.2	9.5	8.8	8.0	7.3	6.5	5.7
-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):

	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°	4.9	4.1	3.3	2.5	1.7	0.8	0.0
85°	9.8	8.2	6.6	5.0	3.3	1.7	0.0
82.5°	14.7	12.3	9.9	7.4	5.0	2.5	0.0
80°	19.1	16.4	13.1	9.9	6.6	3.3	0.0
77.5°	19.6	19.1	16.4	12.3	8.2	4.1	0.0
75°	20.1	19.6	19.1	14.7	9.8	4.9	0.0
72.5°	20.6	20.0	19.4	17.1	11.4	5.7	0.0
70°	21.3	20.4	19.7	19.0	13.0	6.5	0.0
67.5°	23.2	20.8	20.0	19.3	14.5	7.3	0.0
65°	25.1	21.8	20.4	19.5	16.0	8.0	0.0
62.5°	27.0	23.4	20.7	19.8	17.5	8.8	0.0
60°	28.8	24.9	21.0	20.0	19.0	9.5	0.0
57.5°	33.1	26.4	22.1	20.2	19.1	10.2	0.0
55°	37.7	27.8	23.3	20.4	19.3	10.9	0.0
52.5°	42.1	29.6	24.4	20.6	19.4	11.6	0.0
50°	46.4	33.2	25.5	20.9	19.6	12.2	0.0
47.5°	51.2	36.6	26.6	21.2	19.7	12.8	0.0
45°	59.6	39.9	27.6	21.9	19.8	13.4	0.0
42.5°	67.6	43.1	28.5	22.7	19.9	14.0	0.0
40°	75.3	46.2	30.2	23.4	20.1	14.6	0.0
37.5°	82.5	49.1	32.5	24.0	20.2	15.1	0.0
35°	89.4	53.7	34.7	24.6	20.3	15.6	0.0
32.5°	99.5	59.1	36.7	25.2	20.4	16.0	0.0
30°	117.0	64.1	38.7	25.8	20.5	16.5	0.0
27.5°	133.2	68.8	40.4	26.3	20.5	16.9	0.0
25°	148.2	73.1	42.1	26.7	20.6	17.2	0.0
22.5°	161.8	77.0	43.5	27.2	20.7	17.6	0.0
20°	174.1	80.5	44.9	27.5	20.8	17.9	0.0
17.5°	185.0	83.7	46.1	27.9	20.8	18.1	0.0
15°	194.5	86.4	47.1	28.2	20.9	18.4	0.0
12.5°	202.5	88.7	48.0	28.4	20.9	18.5	0.0
10°	209.2	90.6	48.7	28.6	20.9	18.7	0.0
7.5°	214.3	92.1	49.3	28.8	21.0	18.8	0.0
5°	218.0	93.1	49.7	28.9	21.0	18.9	0.0
2.5°	220.3	93.8	49.9	29.0	21.0	19.0	0.0
0°	221.0	94.0	50.0	29.0	21.0	19.0	0.0
-2.5°	220.3	93.8	49.9	29.0	21.0	19.0	0.0
-5°	218.0	93.1	49.7	28.9	21.0	18.9	0.0
-7.5°	214.3	92.1	49.3	28.8	21.0	18.8	0.0
-10°	209.2	90.6	48.7	28.6	20.9	18.7	0.0
-12.5°	202.5	88.7	48.0	28.4	20.9	18.5	0.0
-15°	194.5	86.4	47.1	28.2	20.9	18.4	0.0
-17.5°	185.0	83.7	46.1	27.9	20.8	18.1	0.0
-20°	174.1	80.5	44.9	27.5	20.8	17.9	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	161.8	77.0	43.5	27.2	20.7	17.6	0.0
-25°	148.2	73.1	42.1	26.7	20.6	17.2	0.0
-27.5°	133.2	68.8	40.4	26.3	20.5	16.9	0.0
-30°	117.0	64.1	38.7	25.8	20.5	16.5	0.0
-32.5°	99.5	59.1	36.7	25.2	20.4	16.0	0.0
-35°	89.4	53.7	34.7	24.6	20.3	15.6	0.0
-37.5°	82.5	49.1	32.5	24.0	20.2	15.1	0.0
-40°	75.3	46.2	30.2	23.4	20.1	14.6	0.0
-42.5°	67.6	43.1	28.5	22.7	19.9	14.0	0.0
-45°	59.6	39.9	27.6	21.9	19.8	13.4	0.0
-47.5°	51.2	36.6	26.6	21.2	19.7	12.8	0.0
-50°	46.4	33.2	25.5	20.9	19.6	12.2	0.0
-52.5°	42.1	29.6	24.4	20.6	19.4	11.6	0.0
-55°	37.7	27.8	23.3	20.4	19.3	10.9	0.0
-57.5°	33.1	26.4	22.1	20.2	19.1	10.2	0.0
-60°	28.8	24.9	21.0	20.0	19.0	9.5	0.0
-62.5°	27.0	23.4	20.7	19.8	17.5	8.8	0.0
-65°	25.1	21.8	20.4	19.5	16.0	8.0	0.0
-67.5°	23.2	20.8	20.0	19.3	14.5	7.3	0.0
-70°	21.3	20.4	19.7	19.0	13.0	6.5	0.0
-72.5°	20.6	20.0	19.4	17.1	11.4	5.7	0.0
-75°	20.1	19.6	19.1	14.7	9.8	4.9	0.0
-77.5°	19.6	19.1	16.4	12.3	8.2	4.1	0.0
-80°	19.1	16.4	13.1	9.9	6.6	3.3	0.0
-82.5°	14.7	12.3	9.9	7.4	5.0	2.5	0.0
-85°	9.8	8.2	6.6	5.0	3.3	1.7	0.0
-87.5°	4.9	4.1	3.3	2.5	1.7	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)