

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: P1212181 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-57-70-2S-HEG**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212181 (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-57-70-2S-HEG
Description: EPHESUS LS12 LUMINAIRE
(12) 5700K, 70 CRI LEDS AND 2S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

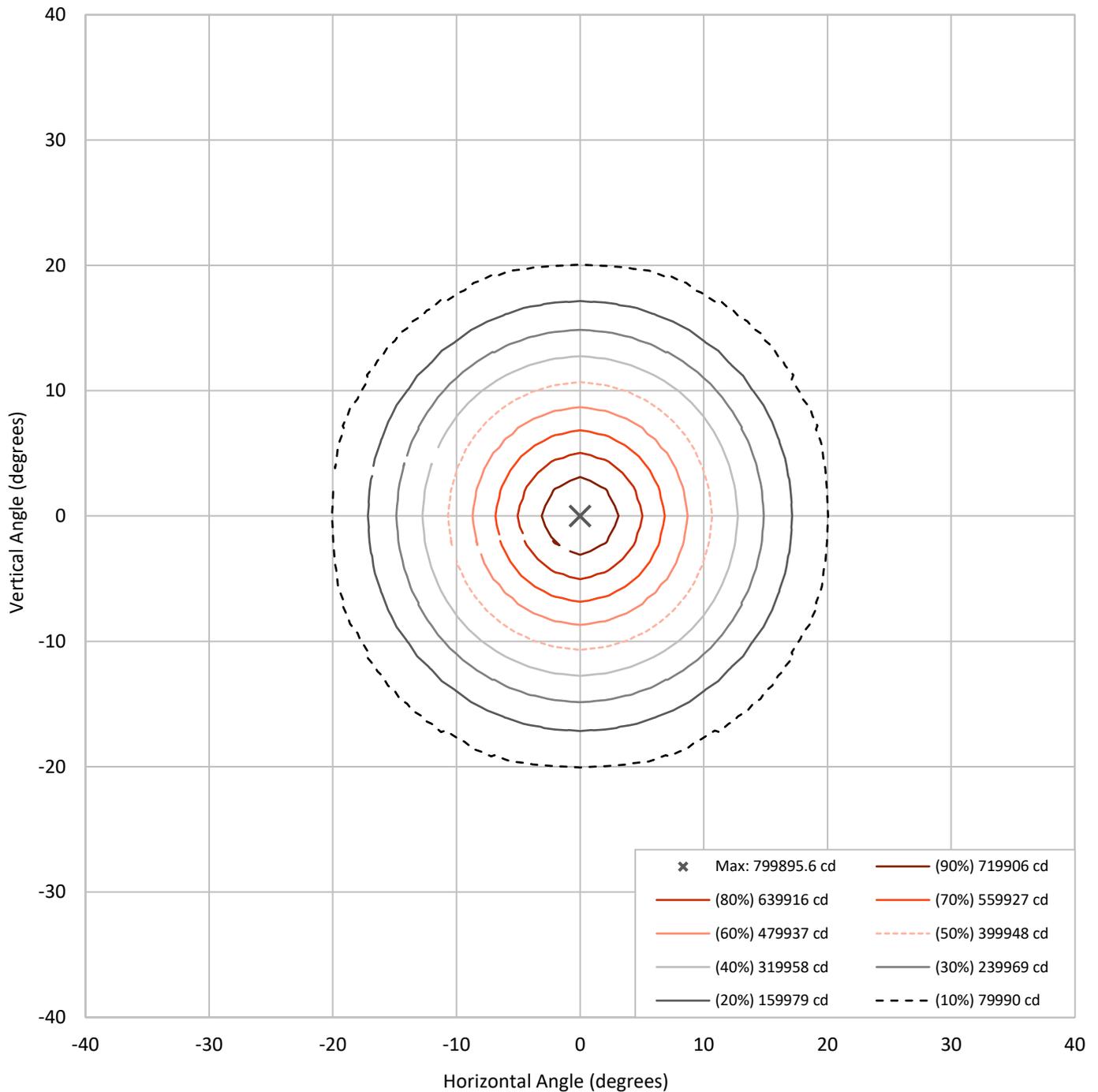
Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	157369.9 lumens	Max Intensity:	799895.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	146.0 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:	55031.3 lumens	Field Lumens:	117229 lumens
Beam Efficiency:	35.0%	Field Efficiency:	74.5%
Input Watts (W):	1078.1		
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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Iso-Candela Plot





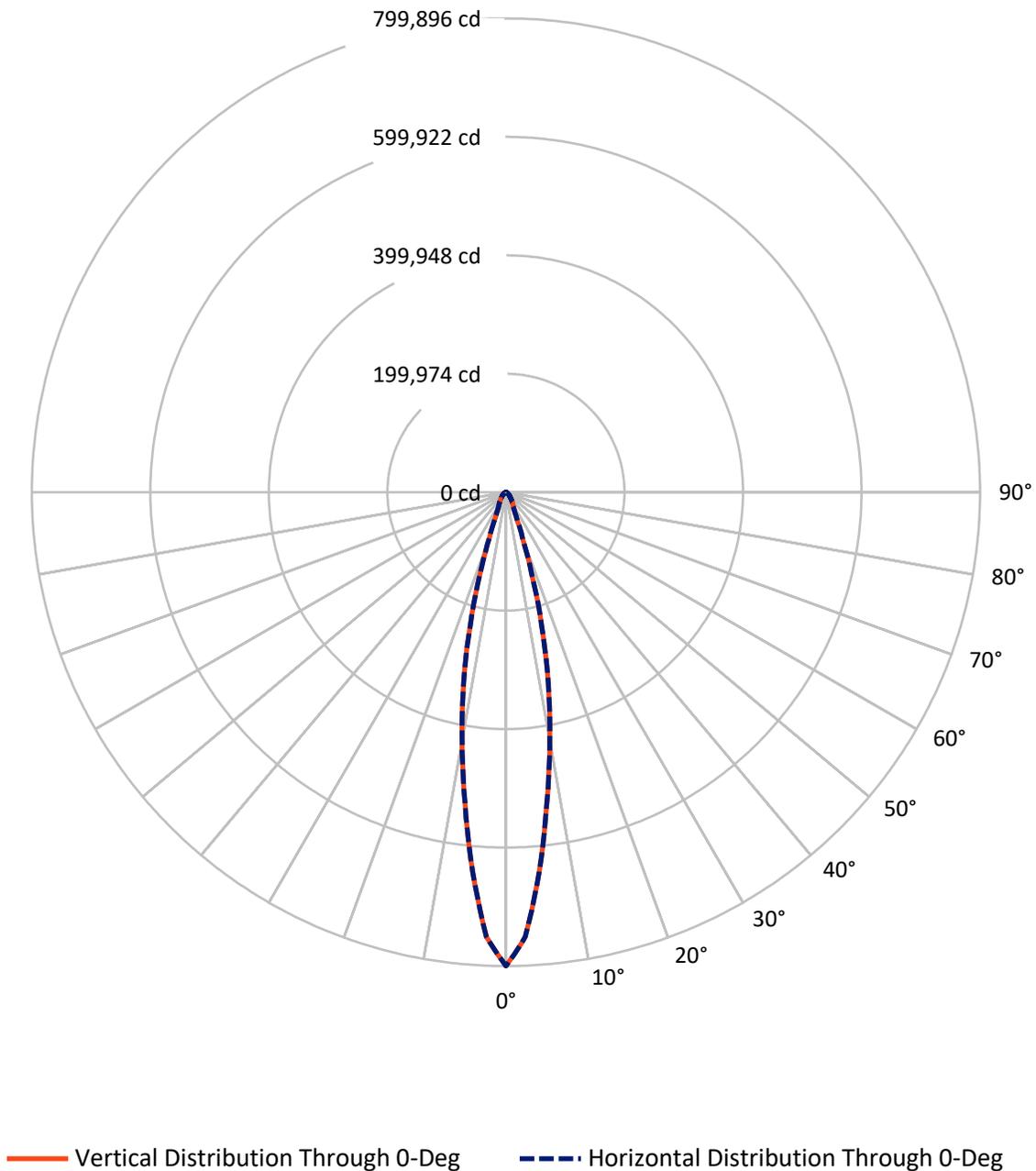
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Lumen Table

90	0.2		1.3		5.6		14.1		18.6		14.1		5.6		1.3		0.2	
80	0.6		0.8	3.5	10.2	20.6	32.1	41.9	47.4	47.4	41.9	32.1	20.6	10.2	3.5	0.8	0.6	
70	0.6		2.7	12.0	30.0	54.6	85.0	113.0	129.2	129.2	113.0	85.0	54.6	30.0	12.0	2.7	0.6	
60	1.9		6.3	24.5	57.9	111.6	175.6	233.1	266.8	266.8	233.1	175.6	111.6	57.9	24.5	6.3	1.9	
50	1.9		11.0	38.7	96.8	186.7	294.2	414.8	500.5	500.5	414.8	294.2	186.7	96.8	38.7	11.0	1.9	
40	4.1		15.5	54.6	137.9	266.5	472.1	747.8	1103.2	1103.2	747.8	472.1	266.5	137.9	54.6	15.5	4.1	
30	4.1		18.9	68.2	172.0	353.5	703.4	2326.2	6215.5	6215.5	2326.2	703.4	353.5	172.0	68.2	18.9	4.1	
20	5.2		20.8	75.6	190.9	414.0	1010.6	6055.8	15878.3	15878.3	6055.8	1010.6	414.0	190.9	75.6	20.8	5.2	
10	5.2		20.8	75.6	190.9	414.0	1010.6	6055.8	15878.3	15878.3	6055.8	1010.6	414.0	190.9	75.6	20.8	5.2	
0	4.1		18.9	68.2	172.0	353.5	703.4	2326.2	6215.5	6215.5	2326.2	703.4	353.5	172.0	68.2	18.9	4.1	
-10	4.1		15.5	54.6	137.9	266.5	472.1	747.8	1103.2	1103.2	747.8	472.1	266.5	137.9	54.6	15.5	4.1	
-20	1.9		11.0	38.7	96.8	186.7	294.2	414.8	500.5	500.5	414.8	294.2	186.7	96.8	38.7	11.0	1.9	
-30	1.9		6.3	24.5	57.9	111.6	175.6	233.1	266.8	266.8	233.1	175.6	111.6	57.9	24.5	6.3	1.9	
-40	0.6		2.7	12.0	30.0	54.6	85.0	113.0	129.2	129.2	113.0	85.0	54.6	30.0	12.0	2.7	0.6	
-50	0.6		0.8	3.5	10.2	20.6	32.1	41.9	47.4	47.4	41.9	32.1	20.6	10.2	3.5	0.8	0.6	
-60	0.6		0.8	3.5	10.2	20.6	32.1	41.9	47.4	47.4	41.9	32.1	20.6	10.2	3.5	0.8	0.6	
-70	0.6		0.8	3.5	10.2	20.6	32.1	41.9	47.4	47.4	41.9	32.1	20.6	10.2	3.5	0.8	0.6	
-80	0.2		1.3		5.6		14.1		18.6		14.1		5.6		1.3		0.2	
-90	0.2		1.3		5.6		14.1		18.6		14.1		5.6		1.3		0.2	

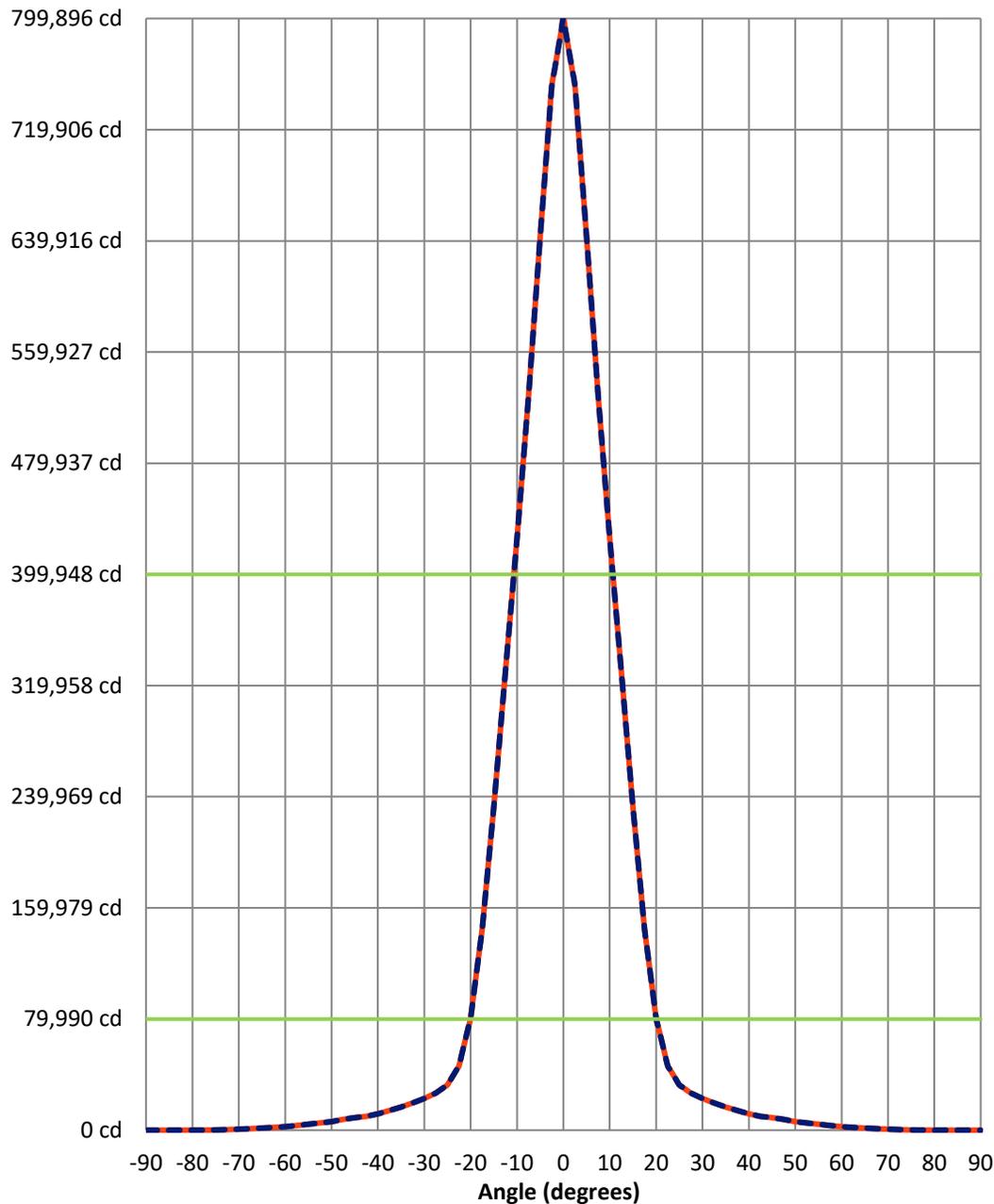
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CATALOG NUMBER: EPH-LS12-1000R-57-70-2S-HEG

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 21.4°
V Angle: 21.4°
Lumens: 55031.3
Efficiency: 35.0%

Field:
H Angle: 40.1°
V Angle: 40.1°
Lumens: 117229
Efficiency: 74.5%

Spill:
Lumens: 40140.9
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	3.3	3.9	4.5	5.2	5.8	6.4
85°	0.0	1.3	2.6	3.9	5.2	6.5	7.8	9.1	10.3	11.5	12.7
82.5°	0.0	2.0	3.9	5.9	7.8	9.8	11.7	13.6	15.1	15.4	15.7
80°	0.0	2.6	5.2	7.8	10.4	13.0	15.2	15.5	15.9	16.2	16.5
77.5°	0.0	3.3	6.5	9.8	13.0	15.3	15.7	16.1	16.6	17.0	18.1
75°	0.0	3.9	7.8	11.7	15.2	15.7	16.2	16.7	17.5	19.7	21.8
72.5°	0.0	4.5	9.1	13.6	15.5	16.1	16.7	17.9	20.5	23.0	25.5
70°	0.0	5.2	10.3	15.1	15.9	16.6	17.5	20.5	23.4	26.4	33.1
67.5°	0.0	5.8	11.5	15.4	16.2	17.0	19.7	23.0	26.4	34.0	41.5
65°	0.0	6.4	12.7	15.7	16.5	18.1	21.8	25.5	33.1	41.5	52.9
62.5°	0.0	7.0	13.9	15.9	16.9	19.8	23.9	30.3	39.7	50.8	71.2
60°	0.0	7.5	15.1	16.1	17.2	21.6	26.0	35.9	46.1	67.0	89.2
57.5°	0.0	8.1	15.3	16.4	18.5	23.2	30.4	41.4	58.6	82.8	128.7
55°	0.0	8.7	15.4	16.6	19.8	24.9	35.0	46.8	72.4	104.6	177.6
52.5°	0.0	9.2	15.6	16.8	21.0	26.8	39.5	57.8	85.7	147.5	225.2
50°	0.0	9.7	15.7	17.0	22.3	30.4	43.8	69.2	105.7	189.1	295.8
47.5°	0.0	10.2	15.8	17.4	23.5	33.9	48.7	80.1	141.4	229.3	366.9
45°	0.0	10.7	16.0	18.3	24.6	37.3	57.8	90.7	175.8	290.4	435.5
42.5°	0.0	11.1	16.1	19.1	25.7	40.5	66.4	111.6	208.9	349.6	522.9
40°	0.0	11.6	16.2	19.9	27.4	43.5	74.7	139.2	246.4	406.2	610.2
37.5°	0.0	12.0	16.3	20.6	29.7	46.4	82.5	165.4	294.2	465.9	693.3
35°	0.0	12.4	16.4	21.3	31.9	51.4	90.0	190.2	339.4	536.5	782.3
32.5°	0.0	12.7	16.5	22.0	34.0	57.2	100.8	213.5	382.0	603.0	881.5
30°	0.0	13.1	16.6	22.6	35.9	62.7	119.4	238.4	421.9	665.4	974.5
27.5°	0.0	13.4	16.7	23.1	37.7	67.7	136.7	270.6	464.2	723.4	1061.1
25°	0.0	13.7	16.8	23.7	39.4	72.3	152.6	300.3	511.4	788.5	1141.3
22.5°	0.0	13.9	16.9	24.1	40.9	76.6	167.1	327.4	554.5	853.6	1219.3
20°	0.0	14.2	16.9	24.6	42.2	80.4	180.2	351.8	593.3	912.3	1289.8
17.5°	0.0	14.4	17.0	24.9	43.4	83.7	191.8	373.5	627.8	964.5	1352.5
15°	0.0	14.6	17.1	25.3	44.5	86.7	201.9	392.4	657.8	1010.1	1407.2
12.5°	0.0	14.7	17.1	25.6	45.4	89.2	210.5	408.4	683.4	1048.8	1453.8
10°	0.0	14.9	17.1	25.8	46.1	91.2	217.6	421.6	704.4	1080.7	1492.1
7.5°	0.0	15.0	17.2	26.0	46.7	92.8	223.1	431.9	720.8	1105.6	1522.1
5°	0.0	15.0	17.2	26.1	47.1	94.0	227.0	439.3	732.6	1123.4	1543.5
2.5°	0.0	15.1	17.2	26.2	47.3	94.7	229.4	443.7	739.6	1134.1	1556.4
0°	0.0	15.1	17.2	26.2	47.4	94.9	230.2	445.2	742.0	1137.7	1560.7
-2.5°	0.0	15.1	17.2	26.2	47.3	94.7	229.4	443.7	739.6	1134.1	1556.4
-5°	0.0	15.0	17.2	26.1	47.1	94.0	227.0	439.3	732.6	1123.4	1543.5
-7.5°	0.0	15.0	17.2	26.0	46.7	92.8	223.1	431.9	720.8	1105.6	1522.1
-10°	0.0	14.9	17.1	25.8	46.1	91.2	217.6	421.6	704.4	1080.7	1492.1
-12.5°	0.0	14.7	17.1	25.6	45.4	89.2	210.5	408.4	683.4	1048.8	1453.8
-15°	0.0	14.6	17.1	25.3	44.5	86.7	201.9	392.4	657.8	1010.1	1407.2
-17.5°	0.0	14.4	17.0	24.9	43.4	83.7	191.8	373.5	627.8	964.5	1352.5
-20°	0.0	14.2	16.9	24.6	42.2	80.4	180.2	351.8	593.3	912.3	1289.8



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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	13.9	16.9	24.1	40.9	76.6	167.1	327.4	554.5	853.6	1219.3
-25°	0.0	13.7	16.8	23.7	39.4	72.3	152.6	300.3	511.4	788.5	1141.3
-27.5°	0.0	13.4	16.7	23.1	37.7	67.7	136.7	270.6	464.2	723.4	1061.1
-30°	0.0	13.1	16.6	22.6	35.9	62.7	119.4	238.4	421.9	665.4	974.5
-32.5°	0.0	12.7	16.5	22.0	34.0	57.2	100.8	213.5	382.0	603.0	881.5
-35°	0.0	12.4	16.4	21.3	31.9	51.4	90.0	190.2	339.4	536.5	782.3
-37.5°	0.0	12.0	16.3	20.6	29.7	46.4	82.5	165.4	294.2	465.9	693.3
-40°	0.0	11.6	16.2	19.9	27.4	43.5	74.7	139.2	246.4	406.2	610.2
-42.5°	0.0	11.1	16.1	19.1	25.7	40.5	66.4	111.6	208.9	349.6	522.9
-45°	0.0	10.7	16.0	18.3	24.6	37.3	57.8	90.7	175.8	290.4	435.5
-47.5°	0.0	10.2	15.8	17.4	23.5	33.9	48.7	80.1	141.4	229.3	366.9
-50°	0.0	9.7	15.7	17.0	22.3	30.4	43.8	69.2	105.7	189.1	295.8
-52.5°	0.0	9.2	15.6	16.8	21.0	26.8	39.5	57.8	85.7	147.5	225.2
-55°	0.0	8.7	15.4	16.6	19.8	24.9	35.0	46.8	72.4	104.6	177.6
-57.5°	0.0	8.1	15.3	16.4	18.5	23.2	30.4	41.4	58.6	82.8	128.7
-60°	0.0	7.5	15.1	16.1	17.2	21.6	26.0	35.9	46.1	67.0	89.2
-62.5°	0.0	7.0	13.9	15.9	16.9	19.8	23.9	30.3	39.7	50.8	71.2
-65°	0.0	6.4	12.7	15.7	16.5	18.1	21.8	25.5	33.1	41.5	52.9
-67.5°	0.0	5.8	11.5	15.4	16.2	17.0	19.7	23.0	26.4	34.0	41.5
-70°	0.0	5.2	10.3	15.1	15.9	16.6	17.5	20.5	23.4	26.4	33.1
-72.5°	0.0	4.5	9.1	13.6	15.5	16.1	16.7	17.9	20.5	23.0	25.5
-75°	0.0	3.9	7.8	11.7	15.2	15.7	16.2	16.7	17.5	19.7	21.8
-77.5°	0.0	3.3	6.5	9.8	13.0	15.3	15.7	16.1	16.6	17.0	18.1
-80°	0.0	2.6	5.2	7.8	10.4	13.0	15.2	15.5	15.9	16.2	16.5
-82.5°	0.0	2.0	3.9	5.9	7.8	9.8	11.7	13.6	15.1	15.4	15.7
-85°	0.0	1.3	2.6	3.9	5.2	6.5	7.8	9.1	10.3	11.5	12.7
-87.5°	0.0	0.7	1.3	2.0	2.6	3.3	3.9	4.5	5.2	5.8	6.4
-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°	7.0	7.5	8.1	8.7	9.2	9.7	10.2	10.7	11.1	11.6	12.0
85°	13.9	15.1	15.3	15.4	15.6	15.7	15.8	16.0	16.1	16.2	16.3
82.5°	15.9	16.1	16.4	16.6	16.8	17.0	17.4	18.3	19.1	19.9	20.6
80°	16.9	17.2	18.5	19.8	21.0	22.3	23.5	24.6	25.7	27.4	29.7
77.5°	19.8	21.6	23.2	24.9	26.8	30.4	33.9	37.3	40.5	43.5	46.4
75°	23.9	26.0	30.4	35.0	39.5	43.8	48.7	57.8	66.4	74.7	82.5
72.5°	30.3	35.9	41.4	46.8	57.8	69.2	80.1	90.7	111.6	139.2	165.4
70°	39.7	46.1	58.6	72.4	85.7	105.7	141.4	175.8	208.9	246.4	294.2
67.5°	50.8	67.0	82.8	104.6	147.5	189.1	229.3	290.4	349.6	406.2	465.9
65°	71.2	89.2	128.7	177.6	225.2	295.8	366.9	435.5	522.9	610.2	693.3
62.5°	91.3	140.8	195.8	261.0	344.2	425.1	525.6	630.0	730.5	855.2	977.7
60°	140.8	201.9	280.4	373.5	471.4	593.3	711.4	853.6	1000.3	1141.3	1285.0
57.5°	195.8	280.4	383.2	498.6	634.2	774.3	945.3	1110.7	1279.3	1443.1	1601.6
55°	261.0	373.5	498.6	647.9	811.1	1000.7	1188.3	1379.2	1563.7	1749.4	1927.3
52.5°	344.2	471.4	634.2	811.1	1019.3	1228.3	1439.7	1648.8	1856.5	2069.2	2307.4
50°	425.1	593.3	774.3	1000.7	1228.3	1459.9	1691.6	1921.3	2177.5	2443.8	2771.9
47.5°	525.6	711.4	945.3	1188.3	1439.7	1691.6	1943.0	2232.0	2526.4	2938.6	3348.4
45°	630.0	853.6	1110.7	1379.2	1648.8	1921.3	2232.0	2554.1	3022.6	3493.7	4009.4
42.5°	730.5	1000.3	1279.3	1563.7	1856.5	2177.5	2526.4	3022.6	3544.1	4111.8	4634.7
40°	855.2	1141.3	1443.1	1749.4	2069.2	2443.8	2938.6	3493.7	4111.8	4682.7	5216.2
37.5°	977.7	1285.0	1601.6	1927.3	2307.4	2771.9	3348.4	4009.4	4634.7	5216.2	5807.0
35°	1094.1	1421.7	1757.9	2119.3	2534.7	3138.0	3806.1	4491.4	5118.5	5754.5	6529.3
32.5°	1208.7	1550.8	1905.7	2318.7	2848.1	3505.5	4247.1	4924.8	5597.9	6341.2	7492.9
30°	1318.9	1677.5	2054.7	2506.6	3152.7	3893.4	4638.6	5340.3	6059.4	7205.3	8263.1
27.5°	1421.7	1796.1	2215.8	2745.8	3448.7	4257.2	4998.5	5746.3	6732.7	7971.7	8913.8
25°	1516.5	1905.7	2365.0	2989.5	3761.1	4575.3	5338.1	6125.2	7447.0	8543.0	9411.7
22.5°	1605.4	2006.6	2501.7	3213.1	4048.1	4860.9	5662.5	6698.3	8035.5	9067.2	9845.0
20°	1687.5	2119.3	2661.0	3422.5	4308.5	5120.5	5957.7	7258.2	8486.2	9437.0	10491.1
17.5°	1760.7	2219.7	2826.3	3635.9	4525.5	5358.4	6254.8	7761.0	8891.7	9770.6	11191.8
15°	1824.5	2307.4	2970.8	3822.8	4712.9	5572.5	6662.9	8106.9	9201.5	10145.4	11819.0
12.5°	1879.0	2382.2	3094.1	3982.3	4872.9	5755.7	7012.6	8390.2	9435.6	10639.7	12533.8
10°	1923.7	2443.8	3195.7	4113.9	5005.0	5907.0	7301.7	8624.8	9629.8	11050.4	13129.1
7.5°	1958.7	2491.9	3275.2	4216.8	5108.5	6025.6	7528.6	8809.0	9782.5	11373.8	13598.9
5°	1983.8	2526.4	3332.2	4290.7	5182.7	6110.8	7691.7	8941.6	9892.5	11607.2	13938.2
2.5°	1998.9	2547.2	3366.5	4335.2	5227.5	6162.2	7790.0	9021.6	9958.9	11748.1	14143.4
0°	2003.9	2554.1	3377.9	4350.0	5242.4	6179.3	7822.8	9048.3	9981.1	11795.2	14212.0
-2.5°	1998.9	2547.2	3366.5	4335.2	5227.5	6162.2	7790.0	9021.6	9958.9	11748.1	14143.4
-5°	1983.8	2526.4	3332.2	4290.7	5182.7	6110.8	7691.7	8941.6	9892.5	11607.2	13938.2
-7.5°	1958.7	2491.9	3275.2	4216.8	5108.5	6025.6	7528.6	8809.0	9782.5	11373.8	13598.9
-10°	1923.7	2443.8	3195.7	4113.9	5005.0	5907.0	7301.7	8624.8	9629.8	11050.4	13129.1
-12.5°	1879.0	2382.2	3094.1	3982.3	4872.9	5755.7	7012.6	8390.2	9435.6	10639.7	12533.8
-15°	1824.5	2307.4	2970.8	3822.8	4712.9	5572.5	6662.9	8106.9	9201.5	10145.4	11819.0
-17.5°	1760.7	2219.7	2826.3	3635.9	4525.5	5358.4	6254.8	7761.0	8891.7	9770.6	11191.8
-20°	1687.5	2119.3	2661.0	3422.5	4308.5	5120.5	5957.7	7258.2	8486.2	9437.0	10491.1



REPORT NUMBER: P1212181 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-70-2S-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1605.4	2006.6	2501.7	3213.1	4048.1	4860.9	5662.5	6698.3	8035.5	9067.2	9845.0
-25°	1516.5	1905.7	2365.0	2989.5	3761.1	4575.3	5338.1	6125.2	7447.0	8543.0	9411.7
-27.5°	1421.7	1796.1	2215.8	2745.8	3448.7	4257.2	4998.5	5746.3	6732.7	7971.7	8913.8
-30°	1318.9	1677.5	2054.7	2506.6	3152.7	3893.4	4638.6	5340.3	6059.4	7205.3	8263.1
-32.5°	1208.7	1550.8	1905.7	2318.7	2848.1	3505.5	4247.1	4924.8	5597.9	6341.2	7492.9
-35°	1094.1	1421.7	1757.9	2119.3	2534.7	3138.0	3806.1	4491.4	5118.5	5754.5	6529.3
-37.5°	977.7	1285.0	1601.6	1927.3	2307.4	2771.9	3348.4	4009.4	4634.7	5216.2	5807.0
-40°	855.2	1141.3	1443.1	1749.4	2069.2	2443.8	2938.6	3493.7	4111.8	4682.7	5216.2
-42.5°	730.5	1000.3	1279.3	1563.7	1856.5	2177.5	2526.4	3022.6	3544.1	4111.8	4634.7
-45°	630.0	853.6	1110.7	1379.2	1648.8	1921.3	2232.0	2554.1	3022.6	3493.7	4009.4
-47.5°	525.6	711.4	945.3	1188.3	1439.7	1691.6	1943.0	2232.0	2526.4	2938.6	3348.4
-50°	425.1	593.3	774.3	1000.7	1228.3	1459.9	1691.6	1921.3	2177.5	2443.8	2771.9
-52.5°	344.2	471.4	634.2	811.1	1019.3	1228.3	1439.7	1648.8	1856.5	2069.2	2307.4
-55°	261.0	373.5	498.6	647.9	811.1	1000.7	1188.3	1379.2	1563.7	1749.4	1927.3
-57.5°	195.8	280.4	383.2	498.6	634.2	774.3	945.3	1110.7	1279.3	1443.1	1601.6
-60°	140.8	201.9	280.4	373.5	471.4	593.3	711.4	853.6	1000.3	1141.3	1285.0
-62.5°	91.3	140.8	195.8	261.0	344.2	425.1	525.6	630.0	730.5	855.2	977.7
-65°	71.2	89.2	128.7	177.6	225.2	295.8	366.9	435.5	522.9	610.2	693.3
-67.5°	50.8	67.0	82.8	104.6	147.5	189.1	229.3	290.4	349.6	406.2	465.9
-70°	39.7	46.1	58.6	72.4	85.7	105.7	141.4	175.8	208.9	246.4	294.2
-72.5°	30.3	35.9	41.4	46.8	57.8	69.2	80.1	90.7	111.6	139.2	165.4
-75°	23.9	26.0	30.4	35.0	39.5	43.8	48.7	57.8	66.4	74.7	82.5
-77.5°	19.8	21.6	23.2	24.9	26.8	30.4	33.9	37.3	40.5	43.5	46.4
-80°	16.9	17.2	18.5	19.8	21.0	22.3	23.5	24.6	25.7	27.4	29.7
-82.5°	15.9	16.1	16.4	16.6	16.8	17.0	17.4	18.3	19.1	19.9	20.6
-85°	13.9	15.1	15.3	15.4	15.6	15.7	15.8	16.0	16.1	16.2	16.3
-87.5°	7.0	7.5	8.1	8.7	9.2	9.7	10.2	10.7	11.1	11.6	12.0
-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: P1212181 (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°	12.4	12.7	13.1	13.4	13.7	13.9	14.2	14.4	14.6	14.7	14.9
85°	16.4	16.5	16.6	16.7	16.8	16.9	16.9	17.0	17.1	17.1	17.1
82.5°	21.3	22.0	22.6	23.1	23.7	24.1	24.6	24.9	25.3	25.6	25.8
80°	31.9	34.0	35.9	37.7	39.4	40.9	42.2	43.4	44.5	45.4	46.1
77.5°	51.4	57.2	62.7	67.7	72.3	76.6	80.4	83.7	86.7	89.2	91.2
75°	90.0	100.8	119.4	136.7	152.6	167.1	180.2	191.8	201.9	210.5	217.6
72.5°	190.2	213.5	238.4	270.6	300.3	327.4	351.8	373.5	392.4	408.4	421.6
70°	339.4	382.0	421.9	464.2	511.4	554.5	593.3	627.8	657.8	683.4	704.4
67.5°	536.5	603.0	665.4	723.4	788.5	853.6	912.3	964.5	1010.1	1048.8	1080.7
65°	782.3	881.5	974.5	1061.1	1141.3	1219.3	1289.8	1352.5	1407.2	1453.8	1492.1
62.5°	1094.1	1208.7	1318.9	1421.7	1516.5	1605.4	1687.5	1760.7	1824.5	1879.0	1923.7
60°	1421.7	1550.8	1677.5	1796.1	1905.7	2006.6	2119.3	2219.7	2307.4	2382.2	2443.8
57.5°	1757.9	1905.7	2054.7	2215.8	2365.0	2501.7	2661.0	2826.3	2970.8	3094.1	3195.7
55°	2119.3	2318.7	2506.6	2745.8	2989.5	3213.1	3422.5	3635.9	3822.8	3982.3	4113.9
52.5°	2534.7	2848.1	3152.7	3448.7	3761.1	4048.1	4308.5	4525.5	4712.9	4872.9	5005.0
50°	3138.0	3505.5	3893.4	4257.2	4575.3	4860.9	5120.5	5358.4	5572.5	5755.7	5907.0
47.5°	3806.1	4247.1	4638.6	4998.5	5338.1	5662.5	5957.7	6254.8	6662.9	7012.6	7301.7
45°	4491.4	4924.8	5340.3	5746.3	6125.2	6698.3	7258.2	7761.0	8106.9	8390.2	8624.8
42.5°	5118.5	5597.9	6059.4	6732.7	7447.0	8035.5	8486.2	8891.7	9201.5	9435.6	9629.8
40°	5754.5	6341.2	7205.3	7971.7	8543.0	9067.2	9437.0	9770.6	10145.4	10639.7	11050.4
37.5°	6529.3	7492.9	8263.1	8913.8	9411.7	9845.0	10491.1	11191.8	11819.0	12533.8	13129.1
35°	7589.5	8410.4	9117.9	9646.0	10297.9	11202.1	12115.7	13123.6	14020.2	14810.8	15474.9
32.5°	8410.4	9175.7	9764.6	10652.9	11687.2	12942.4	14137.0	15249.9	16244.9	17190.4	18053.1
30°	9117.9	9764.6	10772.3	11979.1	13448.4	14845.7	16161.3	17494.2	18779.2	19923.6	20947.8
27.5°	9646.0	10652.9	11979.1	13618.8	15206.7	16727.4	18411.0	19986.9	21501.7	22830.5	24207.3
25°	10297.9	11687.2	13448.4	15206.7	16952.2	18878.3	20777.0	22592.9	24558.4	26341.9	28388.0
22.5°	11202.1	12942.4	14845.7	16727.4	18878.3	21044.1	23222.9	25631.0	28346.5	31251.3	35274.6
20°	12115.7	14137.0	16161.3	18411.0	20777.0	23222.9	25994.7	29483.9	33631.8	41161.3	49575.6
17.5°	13123.6	15249.9	17494.2	19986.9	22592.9	25631.0	29483.9	35070.9	44213.2	61658.2	79752.8
15°	14020.2	16244.9	18779.2	21501.7	24558.4	28346.5	33631.8	44213.2	65802.5	95377.2	133114.1
12.5°	14810.8	17190.4	19923.6	22830.5	26341.9	31251.3	41161.3	61658.2	95377.2	142279.6	199205.7
10°	15474.9	18053.1	20947.8	24207.3	28388.0	35274.6	49575.6	79752.8	133114.1	199205.7	267727.9
7.5°	16000.2	18737.3	21762.8	25308.8	30197.9	40020.9	62836.1	106681.8	172011.8	250544.7	331014.5
5°	16380.3	19233.5	22355.6	26112.6	31524.5	43520.0	72687.8	127595.2	204992.1	293353.2	382072.4
2.5°	16610.4	19534.4	22715.6	26602.0	32334.9	45666.7	78767.0	140606.0	225757.4	320710.6	414597.7
0°	16687.4	19635.2	22836.4	26766.4	32607.5	46390.5	80823.2	145026.7	232861.0	330127.9	425944.0
-2.5°	16610.4	19534.4	22715.6	26602.0	32334.9	45666.7	78767.0	140606.0	225757.4	320710.6	414597.7
-5°	16380.3	19233.5	22355.6	26112.6	31524.5	43520.0	72687.8	127595.2	204992.1	293353.2	382072.4
-7.5°	16000.2	18737.3	21762.8	25308.8	30197.9	40020.9	62836.1	106681.8	172011.8	250544.7	331014.5
-10°	15474.9	18053.1	20947.8	24207.3	28388.0	35274.6	49575.6	79752.8	133114.1	199205.7	267727.9
-12.5°	14810.8	17190.4	19923.6	22830.5	26341.9	31251.3	41161.3	61658.2	95377.2	142279.6	199205.7
-15°	14020.2	16244.9	18779.2	21501.7	24558.4	28346.5	33631.8	44213.2	65802.5	95377.2	133114.1
-17.5°	13123.6	15249.9	17494.2	19986.9	22592.9	25631.0	29483.9	35070.9	44213.2	61658.2	79752.8
-20°	12115.7	14137.0	16161.3	18411.0	20777.0	23222.9	25994.7	29483.9	33631.8	41161.3	49575.6



REPORT NUMBER: P1212181 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-70-2S-HEG

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11202.1	12942.4	14845.7	16727.4	18878.3	21044.1	23222.9	25631.0	28346.5	31251.3	35274.6
-25°	10297.9	11687.2	13448.4	15206.7	16952.2	18878.3	20777.0	22592.9	24558.4	26341.9	28388.0
-27.5°	9646.0	10652.9	11979.1	13618.8	15206.7	16727.4	18411.0	19986.9	21501.7	22830.5	24207.3
-30°	9117.9	9764.6	10772.3	11979.1	13448.4	14845.7	16161.3	17494.2	18779.2	19923.6	20947.8
-32.5°	8410.4	9175.7	9764.6	10652.9	11687.2	12942.4	14137.0	15249.9	16244.9	17190.4	18053.1
-35°	7589.5	8410.4	9117.9	9646.0	10297.9	11202.1	12115.7	13123.6	14020.2	14810.8	15474.9
-37.5°	6529.3	7492.9	8263.1	8913.8	9411.7	9845.0	10491.1	11191.8	11819.0	12533.8	13129.1
-40°	5754.5	6341.2	7205.3	7971.7	8543.0	9067.2	9437.0	9770.6	10145.4	10639.7	11050.4
-42.5°	5118.5	5597.9	6059.4	6732.7	7447.0	8035.5	8486.2	8891.7	9201.5	9435.6	9629.8
-45°	4491.4	4924.8	5340.3	5746.3	6125.2	6698.3	7258.2	7761.0	8106.9	8390.2	8624.8
-47.5°	3806.1	4247.1	4638.6	4998.5	5338.1	5662.5	5957.7	6254.8	6662.9	7012.6	7301.7
-50°	3138.0	3505.5	3893.4	4257.2	4575.3	4860.9	5120.5	5358.4	5572.5	5755.7	5907.0
-52.5°	2534.7	2848.1	3152.7	3448.7	3761.1	4048.1	4308.5	4525.5	4712.9	4872.9	5005.0
-55°	2119.3	2318.7	2506.6	2745.8	2989.5	3213.1	3422.5	3635.9	3822.8	3982.3	4113.9
-57.5°	1757.9	1905.7	2054.7	2215.8	2365.0	2501.7	2661.0	2826.3	2970.8	3094.1	3195.7
-60°	1421.7	1550.8	1677.5	1796.1	1905.7	2006.6	2119.3	2219.7	2307.4	2382.2	2443.8
-62.5°	1094.1	1208.7	1318.9	1421.7	1516.5	1605.4	1687.5	1760.7	1824.5	1879.0	1923.7
-65°	782.3	881.5	974.5	1061.1	1141.3	1219.3	1289.8	1352.5	1407.2	1453.8	1492.1
-67.5°	536.5	603.0	665.4	723.4	788.5	853.6	912.3	964.5	1010.1	1048.8	1080.7
-70°	339.4	382.0	421.9	464.2	511.4	554.5	593.3	627.8	657.8	683.4	704.4
-72.5°	190.2	213.5	238.4	270.6	300.3	327.4	351.8	373.5	392.4	408.4	421.6
-75°	90.0	100.8	119.4	136.7	152.6	167.1	180.2	191.8	201.9	210.5	217.6
-77.5°	51.4	57.2	62.7	67.7	72.3	76.6	80.4	83.7	86.7	89.2	91.2
-80°	31.9	34.0	35.9	37.7	39.4	40.9	42.2	43.4	44.5	45.4	46.1
-82.5°	21.3	22.0	22.6	23.1	23.7	24.1	24.6	24.9	25.3	25.6	25.8
-85°	16.4	16.5	16.6	16.7	16.8	16.9	16.9	17.0	17.1	17.1	17.1
-87.5°	12.4	12.7	13.1	13.4	13.7	13.9	14.2	14.4	14.6	14.7	14.9
-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: P1212181 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-100R-57-70-2S-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°	15.0	15.0	15.1	15.1	15.1	15.0	15.0	14.9	14.7	14.6	14.4
85°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.1	17.1	17.1	17.0
82.5°	26.0	26.1	26.2	26.2	26.2	26.1	26.0	25.8	25.6	25.3	24.9
80°	46.7	47.1	47.3	47.4	47.3	47.1	46.7	46.1	45.4	44.5	43.4
77.5°	92.8	94.0	94.7	94.9	94.7	94.0	92.8	91.2	89.2	86.7	83.7
75°	223.1	227.0	229.4	230.2	229.4	227.0	223.1	217.6	210.5	201.9	191.8
72.5°	431.9	439.3	443.7	445.2	443.7	439.3	431.9	421.6	408.4	392.4	373.5
70°	720.8	732.6	739.6	742.0	739.6	732.6	720.8	704.4	683.4	657.8	627.8
67.5°	1105.6	1123.4	1134.1	1137.7	1134.1	1123.4	1105.6	1080.7	1048.8	1010.1	964.5
65°	1522.1	1543.5	1556.4	1560.7	1556.4	1543.5	1522.1	1492.1	1453.8	1407.2	1352.5
62.5°	1958.7	1983.8	1998.9	2003.9	1998.9	1983.8	1958.7	1923.7	1879.0	1824.5	1760.7
60°	2491.9	2526.4	2547.2	2554.1	2547.2	2526.4	2491.9	2443.8	2382.2	2307.4	2219.7
57.5°	3275.2	3332.2	3366.5	3377.9	3366.5	3332.2	3275.2	3195.7	3094.1	2970.8	2826.3
55°	4216.8	4290.7	4335.2	4350.0	4335.2	4290.7	4216.8	4113.9	3982.3	3822.8	3635.9
52.5°	5108.5	5182.7	5227.5	5242.4	5227.5	5182.7	5108.5	5005.0	4872.9	4712.9	4525.5
50°	6025.6	6110.8	6162.2	6179.3	6162.2	6110.8	6025.6	5907.0	5755.7	5572.5	5358.4
47.5°	7528.6	7691.7	7790.0	7822.8	7790.0	7691.7	7528.6	7301.7	7012.6	6662.9	6254.8
45°	8809.0	8941.6	9021.6	9048.3	9021.6	8941.6	8809.0	8624.8	8390.2	8106.9	7761.0
42.5°	9782.5	9892.5	9958.9	9981.1	9958.9	9892.5	9782.5	9629.8	9435.6	9201.5	8891.7
40°	11373.8	11607.2	11748.1	11795.2	11748.1	11607.2	11373.8	11050.4	10639.7	10145.4	9770.6
37.5°	13598.9	13938.2	14143.4	14212.0	14143.4	13938.2	13598.9	13129.1	12533.8	11819.0	11191.8
35°	16000.2	16380.3	16610.4	16687.4	16610.4	16380.3	16000.2	15474.9	14810.8	14020.2	13123.6
32.5°	18737.3	19233.5	19534.4	19635.2	19534.4	19233.5	18737.3	18053.1	17190.4	16244.9	15249.9
30°	21762.8	22355.6	22715.6	22836.4	22715.6	22355.6	21762.8	20947.8	19923.6	18779.2	17494.2
27.5°	25308.8	26112.6	26602.0	26766.4	26602.0	26112.6	25308.8	24207.3	22830.5	21501.7	19986.9
25°	30197.9	31524.5	32334.9	32607.5	32334.9	31524.5	30197.9	28388.0	26341.9	24558.4	22592.9
22.5°	40020.9	43520.0	45666.7	46390.5	45666.7	43520.0	40020.9	35274.6	31251.3	28346.5	25631.0
20°	62836.1	72687.8	78767.0	80823.2	78767.0	72687.8	62836.1	49575.6	41161.3	33631.8	29483.9
17.5°	106681.8	127595.2	140606.0	145026.7	140606.0	127595.2	106681.8	79752.8	61658.2	44213.2	35070.9
15°	172011.8	204992.1	225757.4	232861.0	225757.4	204992.1	172011.8	133114.1	95377.2	65802.5	44213.2
12.5°	250544.7	293353.2	320710.6	330127.9	320710.6	293353.2	250544.7	199205.7	142279.6	95377.2	61658.2
10°	331014.5	382072.4	414597.7	425944.0	414597.7	382072.4	331014.5	267727.9	199205.7	133114.1	79752.8
7.5°	403919.7	465502.9	511752.3	528859.1	511752.3	465502.9	403919.7	331014.5	250544.7	172011.8	106681.8
5°	465502.9	547237.6	615510.4	643060.5	615510.4	547237.6	465502.9	382072.4	293353.2	204992.1	127595.2
2.5°	511752.3	615510.4	709390.7	751476.5	709390.7	615510.4	511752.3	414597.7	320710.6	225757.4	140606.0
0°	528859.1	643060.5	751476.5	799895.6	751476.5	643060.5	528859.1	425944.0	330127.9	232861.0	145026.7
-2.5°	511752.3	615510.4	709390.7	751476.5	709390.7	615510.4	511752.3	414597.7	320710.6	225757.4	140606.0
-5°	465502.9	547237.6	615510.4	643060.5	615510.4	547237.6	465502.9	382072.4	293353.2	204992.1	127595.2
-7.5°	403919.7	465502.9	511752.3	528859.1	511752.3	465502.9	403919.7	331014.5	250544.7	172011.8	106681.8
-10°	331014.5	382072.4	414597.7	425944.0	414597.7	382072.4	331014.5	267727.9	199205.7	133114.1	79752.8
-12.5°	250544.7	293353.2	320710.6	330127.9	320710.6	293353.2	250544.7	199205.7	142279.6	95377.2	61658.2
-15°	172011.8	204992.1	225757.4	232861.0	225757.4	204992.1	172011.8	133114.1	95377.2	65802.5	44213.2
-17.5°	106681.8	127595.2	140606.0	145026.7	140606.0	127595.2	106681.8	79752.8	61658.2	44213.2	35070.9
-20°	62836.1	72687.8	78767.0	80823.2	78767.0	72687.8	62836.1	49575.6	41161.3	33631.8	29483.9



REPORT NUMBER: P1212181 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-70-2S-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	40020.9	43520.0	45666.7	46390.5	45666.7	43520.0	40020.9	35274.6	31251.3	28346.5	25631.0
-25°	30197.9	31524.5	32334.9	32607.5	32334.9	31524.5	30197.9	28388.0	26341.9	24558.4	22592.9
-27.5°	25308.8	26112.6	26602.0	26766.4	26602.0	26112.6	25308.8	24207.3	22830.5	21501.7	19986.9
-30°	21762.8	22355.6	22715.6	22836.4	22715.6	22355.6	21762.8	20947.8	19923.6	18779.2	17494.2
-32.5°	18737.3	19233.5	19534.4	19635.2	19534.4	19233.5	18737.3	18053.1	17190.4	16244.9	15249.9
-35°	16000.2	16380.3	16610.4	16687.4	16610.4	16380.3	16000.2	15474.9	14810.8	14020.2	13123.6
-37.5°	13598.9	13938.2	14143.4	14212.0	14143.4	13938.2	13598.9	13129.1	12533.8	11819.0	11191.8
-40°	11373.8	11607.2	11748.1	11795.2	11748.1	11607.2	11373.8	11050.4	10639.7	10145.4	9770.6
-42.5°	9782.5	9892.5	9958.9	9981.1	9958.9	9892.5	9782.5	9629.8	9435.6	9201.5	8891.7
-45°	8809.0	8941.6	9021.6	9048.3	9021.6	8941.6	8809.0	8624.8	8390.2	8106.9	7761.0
-47.5°	7528.6	7691.7	7790.0	7822.8	7790.0	7691.7	7528.6	7301.7	7012.6	6662.9	6254.8
-50°	6025.6	6110.8	6162.2	6179.3	6162.2	6110.8	6025.6	5907.0	5755.7	5572.5	5358.4
-52.5°	5108.5	5182.7	5227.5	5242.4	5227.5	5182.7	5108.5	5005.0	4872.9	4712.9	4525.5
-55°	4216.8	4290.7	4335.2	4350.0	4335.2	4290.7	4216.8	4113.9	3982.3	3822.8	3635.9
-57.5°	3275.2	3332.2	3366.5	3377.9	3366.5	3332.2	3275.2	3195.7	3094.1	2970.8	2826.3
-60°	2491.9	2526.4	2547.2	2554.1	2547.2	2526.4	2491.9	2443.8	2382.2	2307.4	2219.7
-62.5°	1958.7	1983.8	1998.9	2003.9	1998.9	1983.8	1958.7	1923.7	1879.0	1824.5	1760.7
-65°	1522.1	1543.5	1556.4	1560.7	1556.4	1543.5	1522.1	1492.1	1453.8	1407.2	1352.5
-67.5°	1105.6	1123.4	1134.1	1137.7	1134.1	1123.4	1105.6	1080.7	1048.8	1010.1	964.5
-70°	720.8	732.6	739.6	742.0	739.6	732.6	720.8	704.4	683.4	657.8	627.8
-72.5°	431.9	439.3	443.7	445.2	443.7	439.3	431.9	421.6	408.4	392.4	373.5
-75°	223.1	227.0	229.4	230.2	229.4	227.0	223.1	217.6	210.5	201.9	191.8
-77.5°	92.8	94.0	94.7	94.9	94.7	94.0	92.8	91.2	89.2	86.7	83.7
-80°	46.7	47.1	47.3	47.4	47.3	47.1	46.7	46.1	45.4	44.5	43.4
-82.5°	26.0	26.1	26.2	26.2	26.2	26.1	26.0	25.8	25.6	25.3	24.9
-85°	17.2	17.2	17.2	17.2	17.2	17.2	17.2	17.1	17.1	17.1	17.0
-87.5°	15.0	15.0	15.1	15.1	15.1	15.0	15.0	14.9	14.7	14.6	14.4
-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: P1212181 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	14.2	13.9	13.7	13.4	13.1	12.7	12.4	12.0	11.6	11.1	10.7
85°	16.9	16.9	16.8	16.7	16.6	16.5	16.4	16.3	16.2	16.1	16.0
82.5°	24.6	24.1	23.7	23.1	22.6	22.0	21.3	20.6	19.9	19.1	18.3
80°	42.2	40.9	39.4	37.7	35.9	34.0	31.9	29.7	27.4	25.7	24.6
77.5°	80.4	76.6	72.3	67.7	62.7	57.2	51.4	46.4	43.5	40.5	37.3
75°	180.2	167.1	152.6	136.7	119.4	100.8	90.0	82.5	74.7	66.4	57.8
72.5°	351.8	327.4	300.3	270.6	238.4	213.5	190.2	165.4	139.2	111.6	90.7
70°	593.3	554.5	511.4	464.2	421.9	382.0	339.4	294.2	246.4	208.9	175.8
67.5°	912.3	853.6	788.5	723.4	665.4	603.0	536.5	465.9	406.2	349.6	290.4
65°	1289.8	1219.3	1141.3	1061.1	974.5	881.5	782.3	693.3	610.2	522.9	435.5
62.5°	1687.5	1605.4	1516.5	1421.7	1318.9	1208.7	1094.1	977.7	855.2	730.5	630.0
60°	2119.3	2006.6	1905.7	1796.1	1677.5	1550.8	1421.7	1285.0	1141.3	1000.3	853.6
57.5°	2661.0	2501.7	2365.0	2215.8	2054.7	1905.7	1757.9	1601.6	1443.1	1279.3	1110.7
55°	3422.5	3213.1	2989.5	2745.8	2506.6	2318.7	2119.3	1927.3	1749.4	1563.7	1379.2
52.5°	4308.5	4048.1	3761.1	3448.7	3152.7	2848.1	2534.7	2307.4	2069.2	1856.5	1648.8
50°	5120.5	4860.9	4575.3	4257.2	3893.4	3505.5	3138.0	2771.9	2443.8	2177.5	1921.3
47.5°	5957.7	5662.5	5338.1	4998.5	4638.6	4247.1	3806.1	3348.4	2938.6	2526.4	2232.0
45°	7258.2	6698.3	6125.2	5746.3	5340.3	4924.8	4491.4	4009.4	3493.7	3022.6	2554.1
42.5°	8486.2	8035.5	7447.0	6732.7	6059.4	5597.9	5118.5	4634.7	4111.8	3544.1	3022.6
40°	9437.0	9067.2	8543.0	7971.7	7205.3	6341.2	5754.5	5216.2	4682.7	4111.8	3493.7
37.5°	10491.1	9845.0	9411.7	8913.8	8263.1	7492.9	6529.3	5807.0	5216.2	4634.7	4009.4
35°	12115.7	11202.1	10297.9	9646.0	9117.9	8410.4	7589.5	6529.3	5754.5	5118.5	4491.4
32.5°	14137.0	12942.4	11687.2	10652.9	9764.6	9175.7	8410.4	7492.9	6341.2	5597.9	4924.8
30°	16161.3	14845.7	13448.4	11979.1	10772.3	9764.6	9117.9	8263.1	7205.3	6059.4	5340.3
27.5°	18411.0	16727.4	15206.7	13618.8	11979.1	10652.9	9646.0	8913.8	7971.7	6732.7	5746.3
25°	20777.0	18878.3	16952.2	15206.7	13448.4	11687.2	10297.9	9411.7	8543.0	7447.0	6125.2
22.5°	23222.9	21044.1	18878.3	16727.4	14845.7	12942.4	11202.1	9845.0	9067.2	8035.5	6698.3
20°	25994.7	23222.9	20777.0	18411.0	16161.3	14137.0	12115.7	10491.1	9437.0	8486.2	7258.2
17.5°	29483.9	25631.0	22592.9	19986.9	17494.2	15249.9	13123.6	11191.8	9770.6	8891.7	7761.0
15°	33631.8	28346.5	24558.4	21501.7	18779.2	16244.9	14020.2	11819.0	10145.4	9201.5	8106.9
12.5°	41161.3	31251.3	26341.9	22830.5	19923.6	17190.4	14810.8	12533.8	10639.7	9435.6	8390.2
10°	49575.6	35274.6	28388.0	24207.3	20947.8	18053.1	15474.9	13129.1	11050.4	9629.8	8624.8
7.5°	62836.1	40020.9	30197.9	25308.8	21762.8	18737.3	16000.2	13598.9	11373.8	9782.5	8809.0
5°	72687.8	43520.0	31524.5	26112.6	22355.6	19233.5	16380.3	13938.2	11607.2	9892.5	8941.6
2.5°	78767.0	45666.7	32334.9	26602.0	22715.6	19534.4	16610.4	14143.4	11748.1	9958.9	9021.6
0°	80823.2	46390.5	32607.5	26766.4	22836.4	19635.2	16687.4	14212.0	11795.2	9981.1	9048.3
-2.5°	78767.0	45666.7	32334.9	26602.0	22715.6	19534.4	16610.4	14143.4	11748.1	9958.9	9021.6
-5°	72687.8	43520.0	31524.5	26112.6	22355.6	19233.5	16380.3	13938.2	11607.2	9892.5	8941.6
-7.5°	62836.1	40020.9	30197.9	25308.8	21762.8	18737.3	16000.2	13598.9	11373.8	9782.5	8809.0
-10°	49575.6	35274.6	28388.0	24207.3	20947.8	18053.1	15474.9	13129.1	11050.4	9629.8	8624.8
-12.5°	41161.3	31251.3	26341.9	22830.5	19923.6	17190.4	14810.8	12533.8	10639.7	9435.6	8390.2
-15°	33631.8	28346.5	24558.4	21501.7	18779.2	16244.9	14020.2	11819.0	10145.4	9201.5	8106.9
-17.5°	29483.9	25631.0	22592.9	19986.9	17494.2	15249.9	13123.6	11191.8	9770.6	8891.7	7761.0
-20°	25994.7	23222.9	20777.0	18411.0	16161.3	14137.0	12115.7	10491.1	9437.0	8486.2	7258.2



REPORT NUMBER: P1212181 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-70-2S-HEG

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	23222.9	21044.1	18878.3	16727.4	14845.7	12942.4	11202.1	9845.0	9067.2	8035.5	6698.3
-25°	20777.0	18878.3	16952.2	15206.7	13448.4	11687.2	10297.9	9411.7	8543.0	7447.0	6125.2
-27.5°	18411.0	16727.4	15206.7	13618.8	11979.1	10652.9	9646.0	8913.8	7971.7	6732.7	5746.3
-30°	16161.3	14845.7	13448.4	11979.1	10772.3	9764.6	9117.9	8263.1	7205.3	6059.4	5340.3
-32.5°	14137.0	12942.4	11687.2	10652.9	9764.6	9175.7	8410.4	7492.9	6341.2	5597.9	4924.8
-35°	12115.7	11202.1	10297.9	9646.0	9117.9	8410.4	7589.5	6529.3	5754.5	5118.5	4491.4
-37.5°	10491.1	9845.0	9411.7	8913.8	8263.1	7492.9	6529.3	5807.0	5216.2	4634.7	4009.4
-40°	9437.0	9067.2	8543.0	7971.7	7205.3	6341.2	5754.5	5216.2	4682.7	4111.8	3493.7
-42.5°	8486.2	8035.5	7447.0	6732.7	6059.4	5597.9	5118.5	4634.7	4111.8	3544.1	3022.6
-45°	7258.2	6698.3	6125.2	5746.3	5340.3	4924.8	4491.4	4009.4	3493.7	3022.6	2554.1
-47.5°	5957.7	5662.5	5338.1	4998.5	4638.6	4247.1	3806.1	3348.4	2938.6	2526.4	2232.0
-50°	5120.5	4860.9	4575.3	4257.2	3893.4	3505.5	3138.0	2771.9	2443.8	2177.5	1921.3
-52.5°	4308.5	4048.1	3761.1	3448.7	3152.7	2848.1	2534.7	2307.4	2069.2	1856.5	1648.8
-55°	3422.5	3213.1	2989.5	2745.8	2506.6	2318.7	2119.3	1927.3	1749.4	1563.7	1379.2
-57.5°	2661.0	2501.7	2365.0	2215.8	2054.7	1905.7	1757.9	1601.6	1443.1	1279.3	1110.7
-60°	2119.3	2006.6	1905.7	1796.1	1677.5	1550.8	1421.7	1285.0	1141.3	1000.3	853.6
-62.5°	1687.5	1605.4	1516.5	1421.7	1318.9	1208.7	1094.1	977.7	855.2	730.5	630.0
-65°	1289.8	1219.3	1141.3	1061.1	974.5	881.5	782.3	693.3	610.2	522.9	435.5
-67.5°	912.3	853.6	788.5	723.4	665.4	603.0	536.5	465.9	406.2	349.6	290.4
-70°	593.3	554.5	511.4	464.2	421.9	382.0	339.4	294.2	246.4	208.9	175.8
-72.5°	351.8	327.4	300.3	270.6	238.4	213.5	190.2	165.4	139.2	111.6	90.7
-75°	180.2	167.1	152.6	136.7	119.4	100.8	90.0	82.5	74.7	66.4	57.8
-77.5°	80.4	76.6	72.3	67.7	62.7	57.2	51.4	46.4	43.5	40.5	37.3
-80°	42.2	40.9	39.4	37.7	35.9	34.0	31.9	29.7	27.4	25.7	24.6
-82.5°	24.6	24.1	23.7	23.1	22.6	22.0	21.3	20.6	19.9	19.1	18.3
-85°	16.9	16.9	16.8	16.7	16.6	16.5	16.4	16.3	16.2	16.1	16.0
-87.5°	14.2	13.9	13.7	13.4	13.1	12.7	12.4	12.0	11.6	11.1	10.7
-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: P1212181 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-70-2S-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°	10.2	9.7	9.2	8.7	8.1	7.5	7.0	6.4	5.8	5.2	4.5
85°	15.8	15.7	15.6	15.4	15.3	15.1	13.9	12.7	11.5	10.3	9.1
82.5°	17.4	17.0	16.8	16.6	16.4	16.1	15.9	15.7	15.4	15.1	13.6
80°	23.5	22.3	21.0	19.8	18.5	17.2	16.9	16.5	16.2	15.9	15.5
77.5°	33.9	30.4	26.8	24.9	23.2	21.6	19.8	18.1	17.0	16.6	16.1
75°	48.7	43.8	39.5	35.0	30.4	26.0	23.9	21.8	19.7	17.5	16.7
72.5°	80.1	69.2	57.8	46.8	41.4	35.9	30.3	25.5	23.0	20.5	17.9
70°	141.4	105.7	85.7	72.4	58.6	46.1	39.7	33.1	26.4	23.4	20.5
67.5°	229.3	189.1	147.5	104.6	82.8	67.0	50.8	41.5	34.0	26.4	23.0
65°	366.9	295.8	225.2	177.6	128.7	89.2	71.2	52.9	41.5	33.1	25.5
62.5°	525.6	425.1	344.2	261.0	195.8	140.8	91.3	71.2	50.8	39.7	30.3
60°	711.4	593.3	471.4	373.5	280.4	201.9	140.8	89.2	67.0	46.1	35.9
57.5°	945.3	774.3	634.2	498.6	383.2	280.4	195.8	128.7	82.8	58.6	41.4
55°	1188.3	1000.7	811.1	647.9	498.6	373.5	261.0	177.6	104.6	72.4	46.8
52.5°	1439.7	1228.3	1019.3	811.1	634.2	471.4	344.2	225.2	147.5	85.7	57.8
50°	1691.6	1459.9	1228.3	1000.7	774.3	593.3	425.1	295.8	189.1	105.7	69.2
47.5°	1943.0	1691.6	1439.7	1188.3	945.3	711.4	525.6	366.9	229.3	141.4	80.1
45°	2232.0	1921.3	1648.8	1379.2	1110.7	853.6	630.0	435.5	290.4	175.8	90.7
42.5°	2526.4	2177.5	1856.5	1563.7	1279.3	1000.3	730.5	522.9	349.6	208.9	111.6
40°	2938.6	2443.8	2069.2	1749.4	1443.1	1141.3	855.2	610.2	406.2	246.4	139.2
37.5°	3348.4	2771.9	2307.4	1927.3	1601.6	1285.0	977.7	693.3	465.9	294.2	165.4
35°	3806.1	3138.0	2534.7	2119.3	1757.9	1421.7	1094.1	782.3	536.5	339.4	190.2
32.5°	4247.1	3505.5	2848.1	2318.7	1905.7	1550.8	1208.7	881.5	603.0	382.0	213.5
30°	4638.6	3893.4	3152.7	2506.6	2054.7	1677.5	1318.9	974.5	665.4	421.9	238.4
27.5°	4998.5	4257.2	3448.7	2745.8	2215.8	1796.1	1421.7	1061.1	723.4	464.2	270.6
25°	5338.1	4575.3	3761.1	2989.5	2365.0	1905.7	1516.5	1141.3	788.5	511.4	300.3
22.5°	5662.5	4860.9	4048.1	3213.1	2501.7	2006.6	1605.4	1219.3	853.6	554.5	327.4
20°	5957.7	5120.5	4308.5	3422.5	2661.0	2119.3	1687.5	1289.8	912.3	593.3	351.8
17.5°	6254.8	5358.4	4525.5	3635.9	2826.3	2219.7	1760.7	1352.5	964.5	627.8	373.5
15°	6662.9	5572.5	4712.9	3822.8	2970.8	2307.4	1824.5	1407.2	1010.1	657.8	392.4
12.5°	7012.6	5755.7	4872.9	3982.3	3094.1	2382.2	1879.0	1453.8	1048.8	683.4	408.4
10°	7301.7	5907.0	5005.0	4113.9	3195.7	2443.8	1923.7	1492.1	1080.7	704.4	421.6
7.5°	7528.6	6025.6	5108.5	4216.8	3275.2	2491.9	1958.7	1522.1	1105.6	720.8	431.9
5°	7691.7	6110.8	5182.7	4290.7	3332.2	2526.4	1983.8	1543.5	1123.4	732.6	439.3
2.5°	7790.0	6162.2	5227.5	4335.2	3366.5	2547.2	1998.9	1556.4	1134.1	739.6	443.7
0°	7822.8	6179.3	5242.4	4350.0	3377.9	2554.1	2003.9	1560.7	1137.7	742.0	445.2
-2.5°	7790.0	6162.2	5227.5	4335.2	3366.5	2547.2	1998.9	1556.4	1134.1	739.6	443.7
-5°	7691.7	6110.8	5182.7	4290.7	3332.2	2526.4	1983.8	1543.5	1123.4	732.6	439.3
-7.5°	7528.6	6025.6	5108.5	4216.8	3275.2	2491.9	1958.7	1522.1	1105.6	720.8	431.9
-10°	7301.7	5907.0	5005.0	4113.9	3195.7	2443.8	1923.7	1492.1	1080.7	704.4	421.6
-12.5°	7012.6	5755.7	4872.9	3982.3	3094.1	2382.2	1879.0	1453.8	1048.8	683.4	408.4
-15°	6662.9	5572.5	4712.9	3822.8	2970.8	2307.4	1824.5	1407.2	1010.1	657.8	392.4
-17.5°	6254.8	5358.4	4525.5	3635.9	2826.3	2219.7	1760.7	1352.5	964.5	627.8	373.5
-20°	5957.7	5120.5	4308.5	3422.5	2661.0	2119.3	1687.5	1289.8	912.3	593.3	351.8



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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°	5662.5	4860.9	4048.1	3213.1	2501.7	2006.6	1605.4	1219.3	853.6	554.5	327.4
-25°	5338.1	4575.3	3761.1	2989.5	2365.0	1905.7	1516.5	1141.3	788.5	511.4	300.3
-27.5°	4998.5	4257.2	3448.7	2745.8	2215.8	1796.1	1421.7	1061.1	723.4	464.2	270.6
-30°	4638.6	3893.4	3152.7	2506.6	2054.7	1677.5	1318.9	974.5	665.4	421.9	238.4
-32.5°	4247.1	3505.5	2848.1	2318.7	1905.7	1550.8	1208.7	881.5	603.0	382.0	213.5
-35°	3806.1	3138.0	2534.7	2119.3	1757.9	1421.7	1094.1	782.3	536.5	339.4	190.2
-37.5°	3348.4	2771.9	2307.4	1927.3	1601.6	1285.0	977.7	693.3	465.9	294.2	165.4
-40°	2938.6	2443.8	2069.2	1749.4	1443.1	1141.3	855.2	610.2	406.2	246.4	139.2
-42.5°	2526.4	2177.5	1856.5	1563.7	1279.3	1000.3	730.5	522.9	349.6	208.9	111.6
-45°	2232.0	1921.3	1648.8	1379.2	1110.7	853.6	630.0	435.5	290.4	175.8	90.7
-47.5°	1943.0	1691.6	1439.7	1188.3	945.3	711.4	525.6	366.9	229.3	141.4	80.1
-50°	1691.6	1459.9	1228.3	1000.7	774.3	593.3	425.1	295.8	189.1	105.7	69.2
-52.5°	1439.7	1228.3	1019.3	811.1	634.2	471.4	344.2	225.2	147.5	85.7	57.8
-55°	1188.3	1000.7	811.1	647.9	498.6	373.5	261.0	177.6	104.6	72.4	46.8
-57.5°	945.3	774.3	634.2	498.6	383.2	280.4	195.8	128.7	82.8	58.6	41.4
-60°	711.4	593.3	471.4	373.5	280.4	201.9	140.8	89.2	67.0	46.1	35.9
-62.5°	525.6	425.1	344.2	261.0	195.8	140.8	91.3	71.2	50.8	39.7	30.3
-65°	366.9	295.8	225.2	177.6	128.7	89.2	71.2	52.9	41.5	33.1	25.5
-67.5°	229.3	189.1	147.5	104.6	82.8	67.0	50.8	41.5	34.0	26.4	23.0
-70°	141.4	105.7	85.7	72.4	58.6	46.1	39.7	33.1	26.4	23.4	20.5
-72.5°	80.1	69.2	57.8	46.8	41.4	35.9	30.3	25.5	23.0	20.5	17.9
-75°	48.7	43.8	39.5	35.0	30.4	26.0	23.9	21.8	19.7	17.5	16.7
-77.5°	33.9	30.4	26.8	24.9	23.2	21.6	19.8	18.1	17.0	16.6	16.1
-80°	23.5	22.3	21.0	19.8	18.5	17.2	16.9	16.5	16.2	15.9	15.5
-82.5°	17.4	17.0	16.8	16.6	16.4	16.1	15.9	15.7	15.4	15.1	13.6
-85°	15.8	15.7	15.6	15.4	15.3	15.1	13.9	12.7	11.5	10.3	9.1
-87.5°	10.2	9.7	9.2	8.7	8.1	7.5	7.0	6.4	5.8	5.2	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	3.3	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°	11.7	9.8	7.8	5.9	3.9	2.0	0.0
80°	15.2	13.0	10.4	7.8	5.2	2.6	0.0
77.5°	15.7	15.3	13.0	9.8	6.5	3.3	0.0
75°	16.2	15.7	15.2	11.7	7.8	3.9	0.0
72.5°	16.7	16.1	15.5	13.6	9.1	4.5	0.0
70°	17.5	16.6	15.9	15.1	10.3	5.2	0.0
67.5°	19.7	17.0	16.2	15.4	11.5	5.8	0.0
65°	21.8	18.1	16.5	15.7	12.7	6.4	0.0
62.5°	23.9	19.8	16.9	15.9	13.9	7.0	0.0
60°	26.0	21.6	17.2	16.1	15.1	7.5	0.0
57.5°	30.4	23.2	18.5	16.4	15.3	8.1	0.0
55°	35.0	24.9	19.8	16.6	15.4	8.7	0.0
52.5°	39.5	26.8	21.0	16.8	15.6	9.2	0.0
50°	43.8	30.4	22.3	17.0	15.7	9.7	0.0
47.5°	48.7	33.9	23.5	17.4	15.8	10.2	0.0
45°	57.8	37.3	24.6	18.3	16.0	10.7	0.0
42.5°	66.4	40.5	25.7	19.1	16.1	11.1	0.0
40°	74.7	43.5	27.4	19.9	16.2	11.6	0.0
37.5°	82.5	46.4	29.7	20.6	16.3	12.0	0.0
35°	90.0	51.4	31.9	21.3	16.4	12.4	0.0
32.5°	100.8	57.2	34.0	22.0	16.5	12.7	0.0
30°	119.4	62.7	35.9	22.6	16.6	13.1	0.0
27.5°	136.7	67.7	37.7	23.1	16.7	13.4	0.0
25°	152.6	72.3	39.4	23.7	16.8	13.7	0.0
22.5°	167.1	76.6	40.9	24.1	16.9	13.9	0.0
20°	180.2	80.4	42.2	24.6	16.9	14.2	0.0
17.5°	191.8	83.7	43.4	24.9	17.0	14.4	0.0
15°	201.9	86.7	44.5	25.3	17.1	14.6	0.0
12.5°	210.5	89.2	45.4	25.6	17.1	14.7	0.0
10°	217.6	91.2	46.1	25.8	17.1	14.9	0.0
7.5°	223.1	92.8	46.7	26.0	17.2	15.0	0.0
5°	227.0	94.0	47.1	26.1	17.2	15.0	0.0
2.5°	229.4	94.7	47.3	26.2	17.2	15.1	0.0
0°	230.2	94.9	47.4	26.2	17.2	15.1	0.0
-2.5°	229.4	94.7	47.3	26.2	17.2	15.1	0.0
-5°	227.0	94.0	47.1	26.1	17.2	15.0	0.0
-7.5°	223.1	92.8	46.7	26.0	17.2	15.0	0.0
-10°	217.6	91.2	46.1	25.8	17.1	14.9	0.0
-12.5°	210.5	89.2	45.4	25.6	17.1	14.7	0.0
-15°	201.9	86.7	44.5	25.3	17.1	14.6	0.0
-17.5°	191.8	83.7	43.4	24.9	17.0	14.4	0.0
-20°	180.2	80.4	42.2	24.6	16.9	14.2	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	167.1	76.6	40.9	24.1	16.9	13.9	0.0
-25°	152.6	72.3	39.4	23.7	16.8	13.7	0.0
-27.5°	136.7	67.7	37.7	23.1	16.7	13.4	0.0
-30°	119.4	62.7	35.9	22.6	16.6	13.1	0.0
-32.5°	100.8	57.2	34.0	22.0	16.5	12.7	0.0
-35°	90.0	51.4	31.9	21.3	16.4	12.4	0.0
-37.5°	82.5	46.4	29.7	20.6	16.3	12.0	0.0
-40°	74.7	43.5	27.4	19.9	16.2	11.6	0.0
-42.5°	66.4	40.5	25.7	19.1	16.1	11.1	0.0
-45°	57.8	37.3	24.6	18.3	16.0	10.7	0.0
-47.5°	48.7	33.9	23.5	17.4	15.8	10.2	0.0
-50°	43.8	30.4	22.3	17.0	15.7	9.7	0.0
-52.5°	39.5	26.8	21.0	16.8	15.6	9.2	0.0
-55°	35.0	24.9	19.8	16.6	15.4	8.7	0.0
-57.5°	30.4	23.2	18.5	16.4	15.3	8.1	0.0
-60°	26.0	21.6	17.2	16.1	15.1	7.5	0.0
-62.5°	23.9	19.8	16.9	15.9	13.9	7.0	0.0
-65°	21.8	18.1	16.5	15.7	12.7	6.4	0.0
-67.5°	19.7	17.0	16.2	15.4	11.5	5.8	0.0
-70°	17.5	16.6	15.9	15.1	10.3	5.2	0.0
-72.5°	16.7	16.1	15.5	13.6	9.1	4.5	0.0
-75°	16.2	15.7	15.2	11.7	7.8	3.9	0.0
-77.5°	15.7	15.3	13.0	9.8	6.5	3.3	0.0
-80°	15.2	13.0	10.4	7.8	5.2	2.6	0.0
-82.5°	11.7	9.8	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	3.3	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)