

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: P1212217 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-57-90-2S-HEG**

Issue Date: 11/14/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P1212217 (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-57-90-2S-HEG  
Description: EPHESUS LS12 LUMINAIRE  
(12) 5700K, 90 CRI LEDS AND 2S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

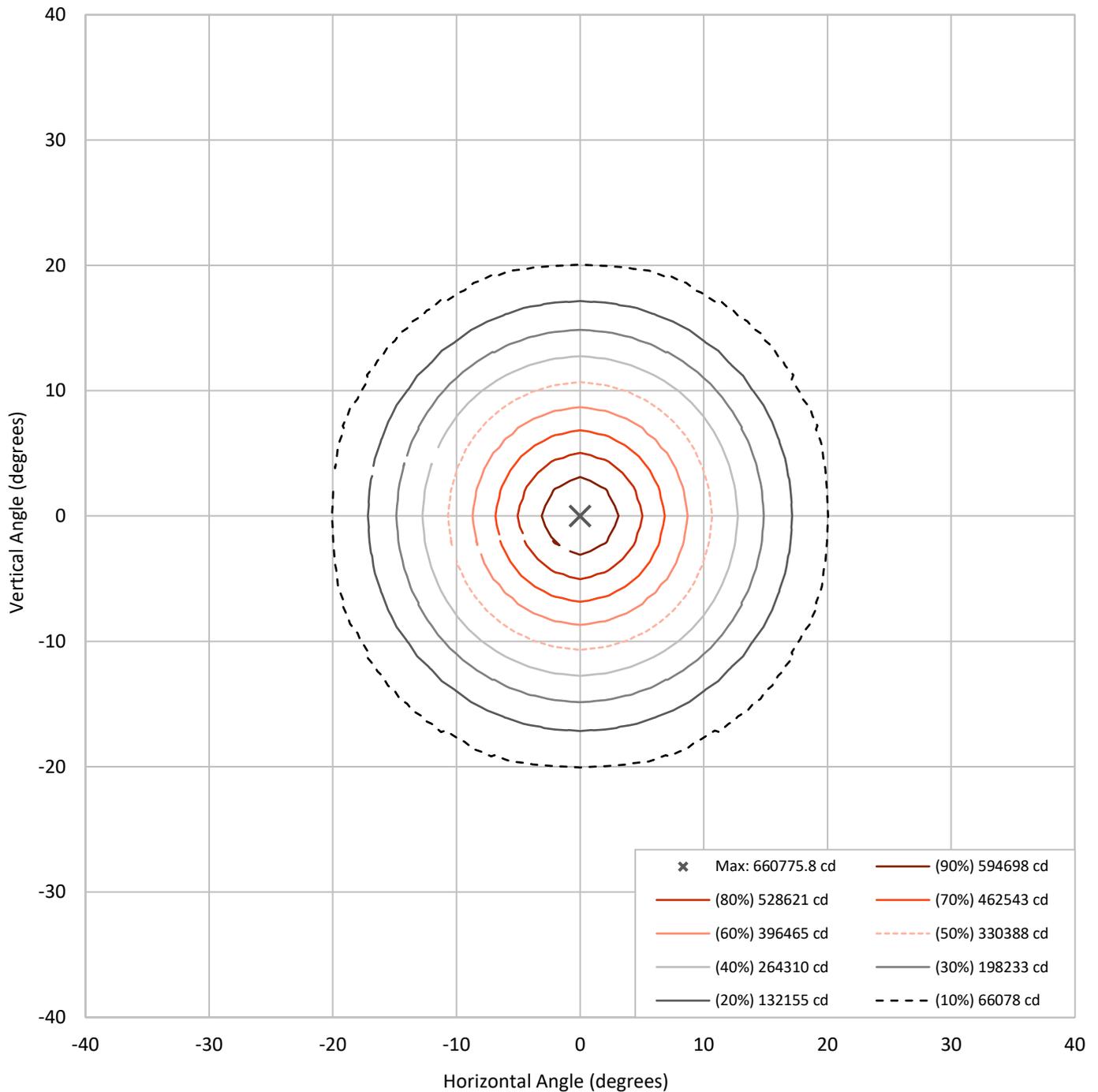
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	129999.8 lumens	Max Intensity:	660775.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	120.6 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:	45460.2 lumens	Field Lumens:	96840.3 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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### Iso-Candela Plot





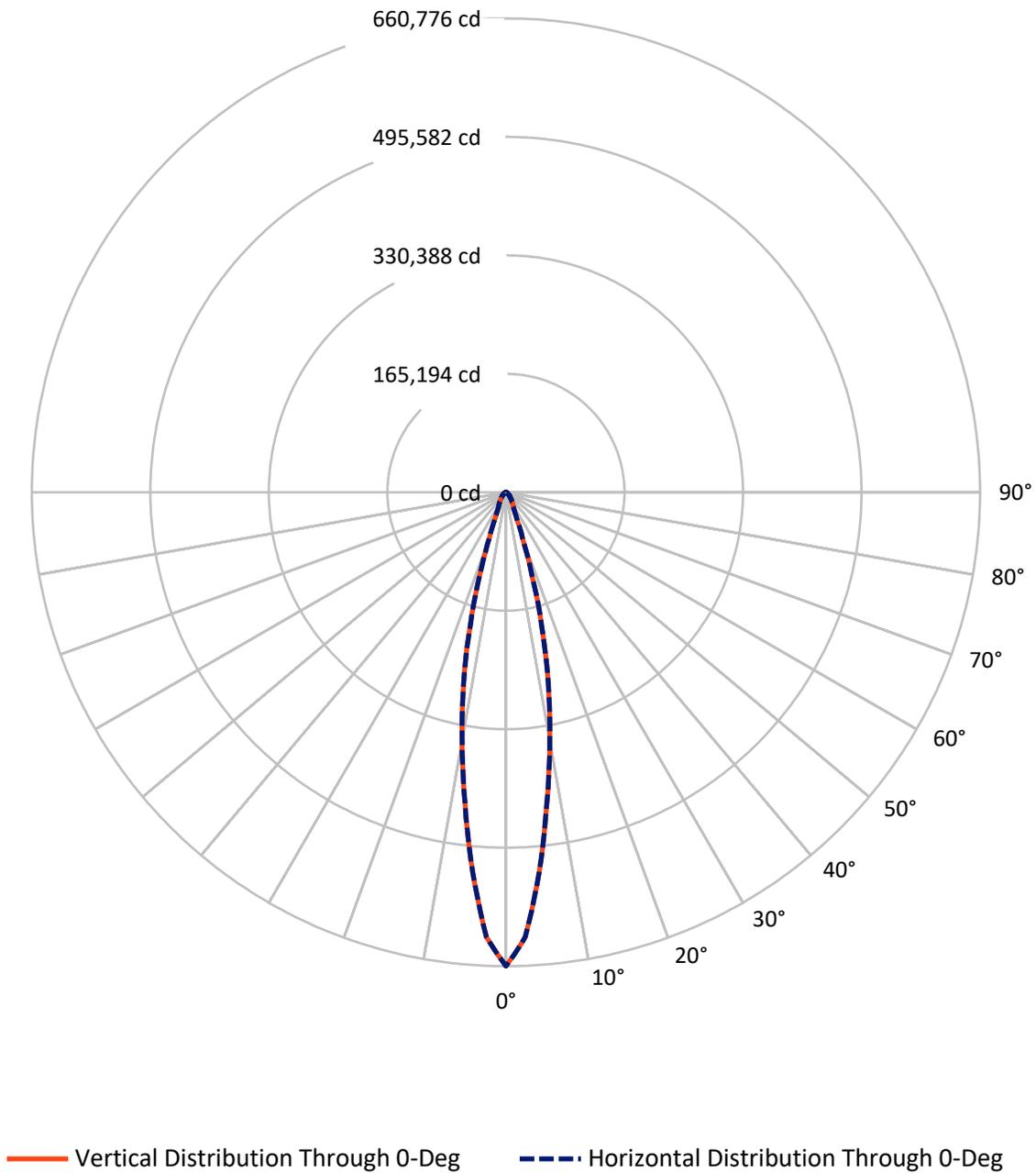
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### Lumen Table

90	0.2		1.1		4.6		11.7		15.4		11.7		4.6		1.1		0.2		
80	0.2		1.1		4.6		11.7		15.4		11.7		4.6		1.1		0.2		
70	0.5	0.7	2.9	8.5	17.0	26.5	34.6	39.1	39.1	34.6	26.5	17.0	8.5	2.9	0.7	0.5			
60		2.2	9.9	24.8	45.1	70.2	93.4	106.7	106.7	93.4	70.2	45.1	24.8	9.9	2.2				
50	1.5	5.2	20.2	47.8	92.2	145.1	192.6	220.4	220.4	192.6	145.1	92.2	47.8	20.2	5.2	1.5			
40		9.1	31.9	79.9	154.2	243.0	342.7	413.5	413.5	342.7	243.0	154.2	79.9	31.9	9.1				
30	3.4	12.8	45.1	113.9	220.2	390.0	617.7	911.3	911.3	617.7	390.0	220.2	113.9	45.1	12.8	3.4			
20		15.6	56.3	142.0	292.0	581.1	1921.6	5134.5	5134.5	1921.6	581.1	292.0	142.0	56.3	15.6				
10	4.3	17.2	62.4	157.7	342.0	834.8	5002.6	13116.7	13116.7	5002.6	834.8	342.0	157.7	62.4	17.2	4.3			
0		17.2	62.4	157.7	342.0	834.8	5002.6	13116.7	13116.7	5002.6	834.8	342.0	157.7	62.4	17.2				
-10	3.4	15.6	56.3	142.0	292.0	581.1	1921.6	5134.5	5134.5	1921.6	581.1	292.0	142.0	56.3	15.6	3.4			
-20		12.8	45.1	113.9	220.2	390.0	617.7	911.3	911.3	617.7	390.0	220.2	113.9	45.1	12.8				
-30	1.5	9.1	31.9	79.9	154.2	243.0	342.7	413.5	413.5	342.7	243.0	154.2	79.9	31.9	9.1	1.5			
-40		5.2	20.2	47.8	92.2	145.1	192.6	220.4	220.4	192.6	145.1	92.2	47.8	20.2	5.2				
-50	0.5	2.2	9.9	24.8	45.1	70.2	93.4	106.7	106.7	93.4	70.2	45.1	24.8	9.9	2.2	0.5			
-60		0.7	2.9	8.5	17.0	26.5	34.6	39.1	39.1	34.6	26.5	17.0	8.5	2.9	0.7				
-70	0.2		1.1		4.6		11.7		15.4		11.7		4.6		1.1		0.2		
-80	0.2		1.1		4.6		11.7		15.4		11.7		4.6		1.1		0.2		
-90	0.2		1.1		4.6		11.7		15.4		11.7		4.6		1.1		0.2		
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

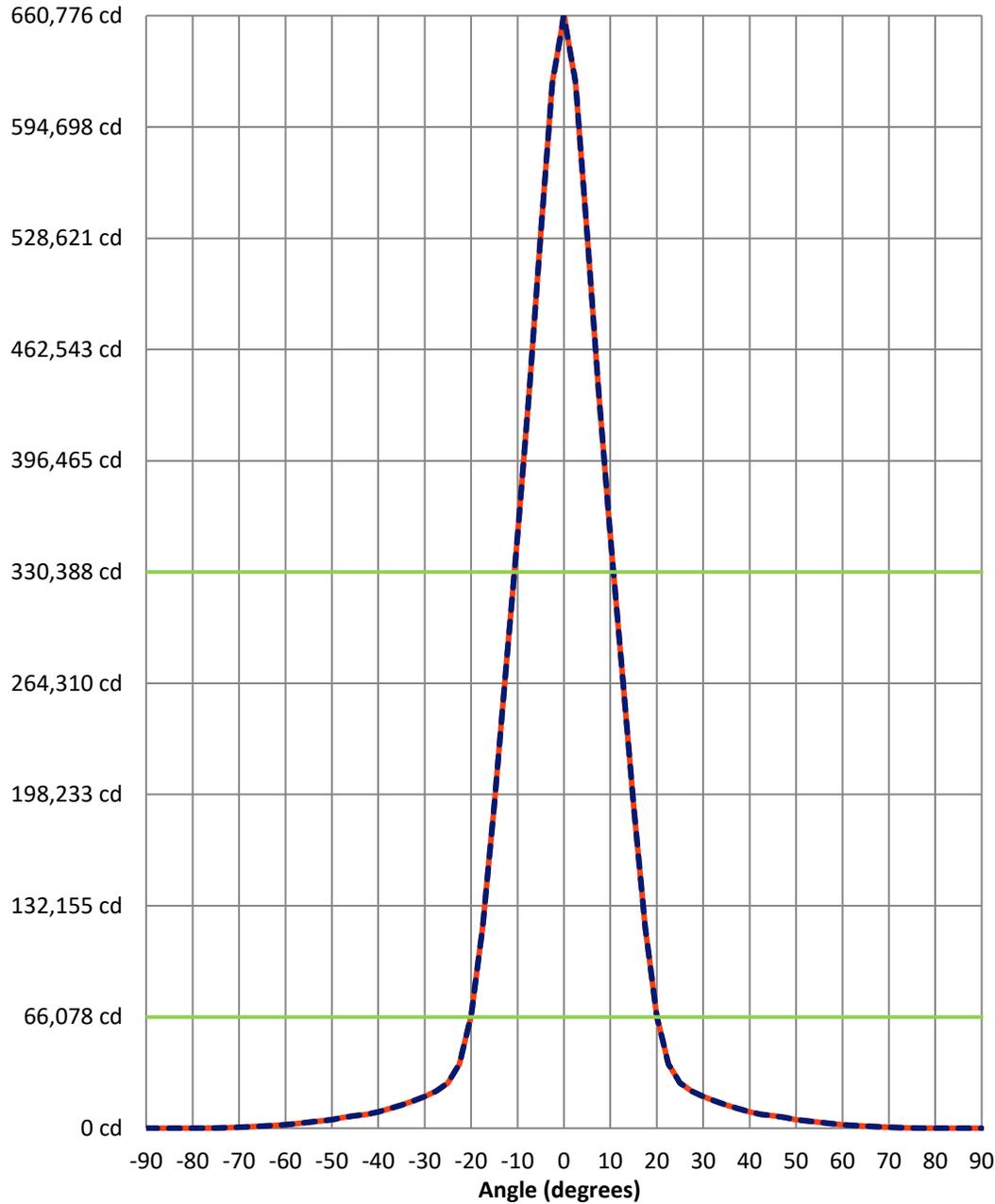
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 21.4°  
 V Angle: 21.4°  
 Lumens: 45460.2  
 Efficiency: 35.0%

**Field:**  
 H Angle: 40.1°  
 V Angle: 40.1°  
 Lumens: 96840.3  
 Efficiency: 74.5%

**Spill:**  
 Lumens: 33159.5  
 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	0.5	1.1	1.6	2.2	2.7	3.2	3.8	4.3	4.8	5.3
85°	0.0	1.1	2.2	3.3	4.3	5.4	6.5	7.5	8.5	9.6	10.6
82.5°	0.0	1.6	3.3	4.9	6.5	8.1	9.7	11.2	12.5	12.7	13.0
80°	0.0	2.2	4.3	6.5	8.6	10.8	12.6	12.8	13.1	13.4	13.7
77.5°	0.0	2.7	5.4	8.1	10.8	12.6	13.0	13.3	13.7	14.0	14.9
75°	0.0	3.2	6.5	9.7	12.6	13.0	13.4	13.8	14.4	16.3	18.0
72.5°	0.0	3.8	7.5	11.2	12.8	13.3	13.8	14.8	16.9	19.0	21.1
70°	0.0	4.3	8.5	12.5	13.1	13.7	14.4	16.9	19.4	21.8	27.4
67.5°	0.0	4.8	9.6	12.7	13.4	14.0	16.3	19.0	21.8	28.1	34.4
65°	0.0	5.3	10.6	13.0	13.7	14.9	18.0	21.1	27.4	34.4	43.7
62.5°	0.0	5.8	11.5	13.1	13.9	16.4	19.8	25.1	32.8	42.0	58.8
60°	0.0	6.2	12.5	13.3	14.2	17.8	21.5	29.7	38.1	55.4	73.7
57.5°	0.0	6.7	12.6	13.5	15.3	19.2	25.2	34.3	48.4	68.5	106.3
55°	0.0	7.2	12.7	13.7	16.3	20.6	29.0	38.7	59.8	86.4	146.7
52.5°	0.0	7.6	12.9	13.9	17.4	22.2	32.7	47.8	70.8	121.8	186.0
50°	0.0	8.0	13.0	14.1	18.4	25.2	36.2	57.2	87.3	156.1	244.3
47.5°	0.0	8.4	13.1	14.4	19.4	28.1	40.3	66.2	116.8	189.4	303.1
45°	0.0	8.8	13.2	15.1	20.4	30.8	47.8	74.9	145.2	239.8	359.8
42.5°	0.0	9.2	13.3	15.8	21.3	33.5	54.9	92.2	172.5	288.8	432.0
40°	0.0	9.6	13.4	16.4	22.7	36.0	61.7	114.9	203.5	335.6	504.0
37.5°	0.0	9.9	13.5	17.0	24.6	38.4	68.2	136.6	243.0	384.9	572.7
35°	0.0	10.2	13.6	17.6	26.4	42.5	74.3	157.0	280.4	443.2	646.2
32.5°	0.0	10.5	13.7	18.2	28.2	47.3	83.2	176.3	315.6	498.1	728.2
30°	0.0	10.8	13.7	18.7	29.7	51.8	98.6	196.8	348.6	549.6	805.0
27.5°	0.0	11.1	13.8	19.1	31.2	56.0	112.9	223.5	383.5	597.5	876.6
25°	0.0	11.3	13.9	19.6	32.6	59.8	126.0	248.0	422.5	651.3	942.8
22.5°	0.0	11.5	13.9	20.0	33.8	63.3	138.0	270.4	458.0	705.1	1007.3
20°	0.0	11.7	14.0	20.3	34.9	66.4	148.8	290.6	490.1	753.6	1065.5
17.5°	0.0	11.9	14.0	20.7	35.9	69.2	158.4	308.5	518.6	796.8	1117.3
15°	0.0	12.1	14.1	20.9	36.8	71.6	166.8	324.1	543.4	834.4	1162.5
12.5°	0.0	12.2	14.1	21.2	37.5	73.7	173.9	337.4	564.5	866.5	1201.0
10°	0.0	12.3	14.1	21.4	38.1	75.4	179.7	348.3	581.9	892.8	1232.7
7.5°	0.0	12.4	14.2	21.5	38.6	76.7	184.2	356.8	595.4	913.4	1257.4
5°	0.0	12.5	14.2	21.6	38.9	77.6	187.5	362.9	605.1	928.1	1275.1
2.5°	0.0	12.5	14.2	21.7	39.1	78.2	189.4	366.6	611.0	936.9	1285.7
0°	0.0	12.5	14.2	21.7	39.2	78.4	190.1	367.8	612.9	939.9	1289.3
-2.5°	0.0	12.5	14.2	21.7	39.1	78.2	189.4	366.6	611.0	936.9	1285.7
-5°	0.0	12.5	14.2	21.6	38.9	77.6	187.5	362.9	605.1	928.1	1275.1
-7.5°	0.0	12.4	14.2	21.5	38.6	76.7	184.2	356.8	595.4	913.4	1257.4
-10°	0.0	12.3	14.1	21.4	38.1	75.4	179.7	348.3	581.9	892.8	1232.7
-12.5°	0.0	12.2	14.1	21.2	37.5	73.7	173.9	337.4	564.5	866.5	1201.0
-15°	0.0	12.1	14.1	20.9	36.8	71.6	166.8	324.1	543.4	834.4	1162.5
-17.5°	0.0	11.9	14.0	20.7	35.9	69.2	158.4	308.5	518.6	796.8	1117.3
-20°	0.0	11.7	14.0	20.3	34.9	66.4	148.8	290.6	490.1	753.6	1065.5



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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	11.5	13.9	20.0	33.8	63.3	138.0	270.4	458.0	705.1	1007.3
-25°	0.0	11.3	13.9	19.6	32.6	59.8	126.0	248.0	422.5	651.3	942.8
-27.5°	0.0	11.1	13.8	19.1	31.2	56.0	112.9	223.5	383.5	597.5	876.6
-30°	0.0	10.8	13.7	18.7	29.7	51.8	98.6	196.8	348.6	549.6	805.0
-32.5°	0.0	10.5	13.7	18.2	28.2	47.3	83.2	176.3	315.6	498.1	728.2
-35°	0.0	10.2	13.6	17.6	26.4	42.5	74.3	157.0	280.4	443.2	646.2
-37.5°	0.0	9.9	13.5	17.0	24.6	38.4	68.2	136.6	243.0	384.9	572.7
-40°	0.0	9.6	13.4	16.4	22.7	36.0	61.7	114.9	203.5	335.6	504.0
-42.5°	0.0	9.2	13.3	15.8	21.3	33.5	54.9	92.2	172.5	288.8	432.0
-45°	0.0	8.8	13.2	15.1	20.4	30.8	47.8	74.9	145.2	239.8	359.8
-47.5°	0.0	8.4	13.1	14.4	19.4	28.1	40.3	66.2	116.8	189.4	303.1
-50°	0.0	8.0	13.0	14.1	18.4	25.2	36.2	57.2	87.3	156.1	244.3
-52.5°	0.0	7.6	12.9	13.9	17.4	22.2	32.7	47.8	70.8	121.8	186.0
-55°	0.0	7.2	12.7	13.7	16.3	20.6	29.0	38.7	59.8	86.4	146.7
-57.5°	0.0	6.7	12.6	13.5	15.3	19.2	25.2	34.3	48.4	68.5	106.3
-60°	0.0	6.2	12.5	13.3	14.2	17.8	21.5	29.7	38.1	55.4	73.7
-62.5°	0.0	5.8	11.5	13.1	13.9	16.4	19.8	25.1	32.8	42.0	58.8
-65°	0.0	5.3	10.6	13.0	13.7	14.9	18.0	21.1	27.4	34.4	43.7
-67.5°	0.0	4.8	9.6	12.7	13.4	14.0	16.3	19.0	21.8	28.1	34.4
-70°	0.0	4.3	8.5	12.5	13.1	13.7	14.4	16.9	19.4	21.8	27.4
-72.5°	0.0	3.8	7.5	11.2	12.8	13.3	13.8	14.8	16.9	19.0	21.1
-75°	0.0	3.2	6.5	9.7	12.6	13.0	13.4	13.8	14.4	16.3	18.0
-77.5°	0.0	2.7	5.4	8.1	10.8	12.6	13.0	13.3	13.7	14.0	14.9
-80°	0.0	2.2	4.3	6.5	8.6	10.8	12.6	12.8	13.1	13.4	13.7
-82.5°	0.0	1.6	3.3	4.9	6.5	8.1	9.7	11.2	12.5	12.7	13.0
-85°	0.0	1.1	2.2	3.3	4.3	5.4	6.5	7.5	8.5	9.6	10.6
-87.5°	0.0	0.5	1.1	1.6	2.2	2.7	3.2	3.8	4.3	4.8	5.3
-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°	5.8	6.2	6.7	7.2	7.6	8.0	8.4	8.8	9.2	9.6	9.9
85°	11.5	12.5	12.6	12.7	12.9	13.0	13.1	13.2	13.3	13.4	13.5
82.5°	13.1	13.3	13.5	13.7	13.9	14.1	14.4	15.1	15.8	16.4	17.0
80°	13.9	14.2	15.3	16.3	17.4	18.4	19.4	20.4	21.3	22.7	24.6
77.5°	16.4	17.8	19.2	20.6	22.2	25.2	28.1	30.8	33.5	36.0	38.4
75°	19.8	21.5	25.2	29.0	32.7	36.2	40.3	47.8	54.9	61.7	68.2
72.5°	25.1	29.7	34.3	38.7	47.8	57.2	66.2	74.9	92.2	114.9	136.6
70°	32.8	38.1	48.4	59.8	70.8	87.3	116.8	145.2	172.5	203.5	243.0
67.5°	42.0	55.4	68.5	86.4	121.8	156.1	189.4	239.8	288.8	335.6	384.9
65°	58.8	73.7	106.3	146.7	186.0	244.3	303.1	359.8	432.0	504.0	572.7
62.5°	75.4	116.3	161.7	215.5	284.3	351.2	434.2	520.4	603.4	706.4	807.7
60°	116.3	166.8	231.6	308.5	389.5	490.1	587.7	705.1	826.3	942.8	1061.6
57.5°	161.7	231.6	316.6	411.9	523.9	639.6	780.9	917.6	1056.9	1192.2	1323.1
55°	215.5	308.5	411.9	535.2	670.0	826.7	981.7	1139.4	1291.8	1445.2	1592.1
52.5°	284.3	389.5	523.9	670.0	842.1	1014.8	1189.3	1362.0	1533.6	1709.4	1906.1
50°	351.2	490.1	639.6	826.7	1014.8	1206.1	1397.4	1587.2	1798.8	2018.8	2289.8
47.5°	434.2	587.7	780.9	981.7	1189.3	1397.4	1605.1	1843.8	2087.0	2427.5	2766.0
45°	520.4	705.1	917.6	1139.4	1362.0	1587.2	1843.8	2109.9	2496.9	2886.0	3312.1
42.5°	603.4	826.3	1056.9	1291.8	1533.6	1798.8	2087.0	2496.9	2927.7	3396.7	3828.6
40°	706.4	942.8	1192.2	1445.2	1709.4	2018.8	2427.5	2886.0	3396.7	3868.3	4309.0
37.5°	807.7	1061.6	1323.1	1592.1	1906.1	2289.8	2766.0	3312.1	3828.6	4309.0	4797.1
35°	903.9	1174.4	1452.2	1750.7	2093.9	2592.2	3144.2	3710.3	4228.3	4753.7	5393.7
32.5°	998.5	1281.2	1574.3	1915.5	2352.8	2895.8	3508.5	4068.3	4624.4	5238.4	6189.7
30°	1089.6	1385.8	1697.3	2070.6	2604.4	3216.3	3831.9	4411.6	5005.6	5952.2	6825.9
27.5°	1174.4	1483.7	1830.5	2268.3	2848.9	3516.8	4129.2	4747.0	5561.7	6585.2	7363.5
25°	1252.8	1574.3	1953.7	2469.6	3107.0	3779.6	4409.8	5059.9	6151.7	7057.2	7774.8
22.5°	1326.2	1657.6	2066.7	2654.2	3344.0	4015.6	4677.7	5533.3	6638.0	7490.2	8132.8
20°	1394.1	1750.7	2198.2	2827.2	3559.2	4230.0	4921.5	5995.8	7010.2	7795.7	8666.5
17.5°	1454.5	1833.6	2334.7	3003.5	3738.5	4426.5	5167.0	6411.2	7345.3	8071.3	9245.3
15°	1507.2	1906.1	2454.1	3157.9	3893.2	4603.4	5504.1	6696.9	7601.1	8381.0	9763.5
12.5°	1552.2	1967.9	2556.0	3289.7	4025.5	4754.7	5792.9	6930.9	7794.6	8789.3	10353.9
10°	1589.2	2018.8	2639.9	3398.4	4134.6	4879.7	6031.8	7124.7	7955.0	9128.5	10845.7
7.5°	1618.1	2058.5	2705.5	3483.5	4220.1	4977.7	6219.2	7276.9	8081.1	9395.7	11233.7
5°	1638.8	2087.0	2752.6	3544.5	4281.4	5048.0	6353.9	7386.5	8172.0	9588.5	11514.0
2.5°	1651.2	2104.2	2780.9	3581.2	4318.4	5090.4	6435.1	7452.5	8226.9	9704.9	11683.5
0°	1655.4	2109.9	2790.4	3593.5	4330.7	5104.6	6462.2	7474.6	8245.2	9743.8	11740.2
-2.5°	1651.2	2104.2	2780.9	3581.2	4318.4	5090.4	6435.1	7452.5	8226.9	9704.9	11683.5
-5°	1638.8	2087.0	2752.6	3544.5	4281.4	5048.0	6353.9	7386.5	8172.0	9588.5	11514.0
-7.5°	1618.1	2058.5	2705.5	3483.5	4220.1	4977.7	6219.2	7276.9	8081.1	9395.7	11233.7
-10°	1589.2	2018.8	2639.9	3398.4	4134.6	4879.7	6031.8	7124.7	7955.0	9128.5	10845.7
-12.5°	1552.2	1967.9	2556.0	3289.7	4025.5	4754.7	5792.9	6930.9	7794.6	8789.3	10353.9
-15°	1507.2	1906.1	2454.1	3157.9	3893.2	4603.4	5504.1	6696.9	7601.1	8381.0	9763.5
-17.5°	1454.5	1833.6	2334.7	3003.5	3738.5	4426.5	5167.0	6411.2	7345.3	8071.3	9245.3
-20°	1394.1	1750.7	2198.2	2827.2	3559.2	4230.0	4921.5	5995.8	7010.2	7795.7	8666.5



REPORT NUMBER: P1212217 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1326.2	1657.6	2066.7	2654.2	3344.0	4015.6	4677.7	5533.3	6638.0	7490.2	8132.8
-25°	1252.8	1574.3	1953.7	2469.6	3107.0	3779.6	4409.8	5059.9	6151.7	7057.2	7774.8
-27.5°	1174.4	1483.7	1830.5	2268.3	2848.9	3516.8	4129.2	4747.0	5561.7	6585.2	7363.5
-30°	1089.6	1385.8	1697.3	2070.6	2604.4	3216.3	3831.9	4411.6	5005.6	5952.2	6825.9
-32.5°	998.5	1281.2	1574.3	1915.5	2352.8	2895.8	3508.5	4068.3	4624.4	5238.4	6189.7
-35°	903.9	1174.4	1452.2	1750.7	2093.9	2592.2	3144.2	3710.3	4228.3	4753.7	5393.7
-37.5°	807.7	1061.6	1323.1	1592.1	1906.1	2289.8	2766.0	3312.1	3828.6	4309.0	4797.1
-40°	706.4	942.8	1192.2	1445.2	1709.4	2018.8	2427.5	2886.0	3396.7	3868.3	4309.0
-42.5°	603.4	826.3	1056.9	1291.8	1533.6	1798.8	2087.0	2496.9	2927.7	3396.7	3828.6
-45°	520.4	705.1	917.6	1139.4	1362.0	1587.2	1843.8	2109.9	2496.9	2886.0	3312.1
-47.5°	434.2	587.7	780.9	981.7	1189.3	1397.4	1605.1	1843.8	2087.0	2427.5	2766.0
-50°	351.2	490.1	639.6	826.7	1014.8	1206.1	1397.4	1587.2	1798.8	2018.8	2289.8
-52.5°	284.3	389.5	523.9	670.0	842.1	1014.8	1189.3	1362.0	1533.6	1709.4	1906.1
-55°	215.5	308.5	411.9	535.2	670.0	826.7	981.7	1139.4	1291.8	1445.2	1592.1
-57.5°	161.7	231.6	316.6	411.9	523.9	639.6	780.9	917.6	1056.9	1192.2	1323.1
-60°	116.3	166.8	231.6	308.5	389.5	490.1	587.7	705.1	826.3	942.8	1061.6
-62.5°	75.4	116.3	161.7	215.5	284.3	351.2	434.2	520.4	603.4	706.4	807.7
-65°	58.8	73.7	106.3	146.7	186.0	244.3	303.1	359.8	432.0	504.0	572.7
-67.5°	42.0	55.4	68.5	86.4	121.8	156.1	189.4	239.8	288.8	335.6	384.9
-70°	32.8	38.1	48.4	59.8	70.8	87.3	116.8	145.2	172.5	203.5	243.0
-72.5°	25.1	29.7	34.3	38.7	47.8	57.2	66.2	74.9	92.2	114.9	136.6
-75°	19.8	21.5	25.2	29.0	32.7	36.2	40.3	47.8	54.9	61.7	68.2
-77.5°	16.4	17.8	19.2	20.6	22.2	25.2	28.1	30.8	33.5	36.0	38.4
-80°	13.9	14.2	15.3	16.3	17.4	18.4	19.4	20.4	21.3	22.7	24.6
-82.5°	13.1	13.3	13.5	13.7	13.9	14.1	14.4	15.1	15.8	16.4	17.0
-85°	11.5	12.5	12.6	12.7	12.9	13.0	13.1	13.2	13.3	13.4	13.5
-87.5°	5.8	6.2	6.7	7.2	7.6	8.0	8.4	8.8	9.2	9.6	9.9
-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):**

	-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°	10.2	10.5	10.8	11.1	11.3	11.5	11.7	11.9	12.1	12.2	12.3
85°	13.6	13.7	13.7	13.8	13.9	13.9	14.0	14.0	14.1	14.1	14.1
82.5°	17.6	18.2	18.7	19.1	19.6	20.0	20.3	20.7	20.9	21.2	21.4
80°	26.4	28.2	29.7	31.2	32.6	33.8	34.9	35.9	36.8	37.5	38.1
77.5°	42.5	47.3	51.8	56.0	59.8	63.3	66.4	69.2	71.6	73.7	75.4
75°	74.3	83.2	98.6	112.9	126.0	138.0	148.8	158.4	166.8	173.9	179.7
72.5°	157.0	176.3	196.8	223.5	248.0	270.4	290.6	308.5	324.1	337.4	348.3
70°	280.4	315.6	348.6	383.5	422.5	458.0	490.1	518.6	543.4	564.5	581.9
67.5°	443.2	498.1	549.6	597.5	651.3	705.1	753.6	796.8	834.4	866.5	892.8
65°	646.2	728.2	805.0	876.6	942.8	1007.3	1065.5	1117.3	1162.5	1201.0	1232.7
62.5°	903.9	998.5	1089.6	1174.4	1252.8	1326.2	1394.1	1454.5	1507.2	1552.2	1589.2
60°	1174.4	1281.2	1385.8	1483.7	1574.3	1657.6	1750.7	1833.6	1906.1	1967.9	2018.8
57.5°	1452.2	1574.3	1697.3	1830.5	1953.7	2066.7	2198.2	2334.7	2454.1	2556.0	2639.9
55°	1750.7	1915.5	2070.6	2268.3	2469.6	2654.2	2827.2	3003.5	3157.9	3289.7	3398.4
52.5°	2093.9	2352.8	2604.4	2848.9	3107.0	3344.0	3559.2	3738.5	3893.2	4025.5	4134.6
50°	2592.2	2895.8	3216.3	3516.8	3779.6	4015.6	4230.0	4426.5	4603.4	4754.7	4879.7
47.5°	3144.2	3508.5	3831.9	4129.2	4409.8	4677.7	4921.5	5167.0	5504.1	5792.9	6031.8
45°	3710.3	4068.3	4411.6	4747.0	5059.9	5533.3	5995.8	6411.2	6696.9	6930.9	7124.7
42.5°	4228.3	4624.4	5005.6	5561.7	6151.7	6638.0	7010.2	7345.3	7601.1	7794.6	7955.0
40°	4753.7	5238.4	5952.2	6585.2	7057.2	7490.2	7795.7	8071.3	8381.0	8789.3	9128.5
37.5°	5393.7	6189.7	6825.9	7363.5	7774.8	8132.8	8666.5	9245.3	9763.5	10353.9	10845.7
35°	6269.5	6947.6	7532.1	7968.4	8506.9	9253.9	10008.6	10841.2	11581.7	12234.9	12783.5
32.5°	6947.6	7579.9	8066.4	8800.2	9654.6	10691.4	11678.3	12597.6	13419.6	14200.6	14913.2
30°	7532.1	8066.4	8898.8	9895.7	11109.4	12263.7	13350.5	14451.6	15513.1	16458.4	17304.5
27.5°	7968.4	8800.2	9895.7	11250.2	12561.9	13818.1	15208.9	16510.7	17762.1	18859.7	19997.1
25°	8506.9	9654.6	11109.4	12561.9	14003.8	15595.0	17163.4	18663.4	20287.1	21760.4	23450.7
22.5°	9253.9	10691.4	12263.7	13818.1	15595.0	17384.0	19183.8	21173.1	23416.4	25816.0	29139.5
20°	10008.6	11678.3	13350.5	15208.9	17163.4	19183.8	21473.6	24355.9	27782.4	34002.4	40953.3
17.5°	10841.2	12597.6	14451.6	16510.7	18663.4	21173.1	24355.9	28971.3	36523.5	50934.5	65882.1
15°	11581.7	13419.6	15513.1	17762.1	20287.1	23416.4	27782.4	36523.5	54358.0	78789.0	109962.6
12.5°	12234.9	14200.6	16458.4	18859.7	21760.4	25816.0	34002.4	50934.5	78789.0	117534.0	164559.4
10°	12783.5	14913.2	17304.5	19997.1	23450.7	29139.5	40953.3	65882.1	109962.6	164559.4	221164.0
7.5°	13217.4	15478.5	17977.8	20907.0	24945.7	33060.3	51907.5	88127.5	142095.1	206969.4	273443.7
5°	13531.4	15888.4	18467.4	21571.0	26041.6	35950.8	60045.8	105403.5	169339.4	242332.5	315621.4
2.5°	13721.5	16136.9	18764.8	21975.3	26711.1	37724.2	65067.7	116151.5	186493.1	264931.8	342489.9
0°	13785.1	16220.2	18864.6	22111.1	26936.3	38322.1	66766.3	119803.3	192361.3	272711.2	351862.8
-2.5°	13721.5	16136.9	18764.8	21975.3	26711.1	37724.2	65067.7	116151.5	186493.1	264931.8	342489.9
-5°	13531.4	15888.4	18467.4	21571.0	26041.6	35950.8	60045.8	105403.5	169339.4	242332.5	315621.4
-7.5°	13217.4	15478.5	17977.8	20907.0	24945.7	33060.3	51907.5	88127.5	142095.1	206969.4	273443.7
-10°	12783.5	14913.2	17304.5	19997.1	23450.7	29139.5	40953.3	65882.1	109962.6	164559.4	221164.0
-12.5°	12234.9	14200.6	16458.4	18859.7	21760.4	25816.0	34002.4	50934.5	78789.0	117534.0	164559.4
-15°	11581.7	13419.6	15513.1	17762.1	20287.1	23416.4	27782.4	36523.5	54358.0	78789.0	109962.6
-17.5°	10841.2	12597.6	14451.6	16510.7	18663.4	21173.1	24355.9	28971.3	36523.5	50934.5	65882.1
-20°	10008.6	11678.3	13350.5	15208.9	17163.4	19183.8	21473.6	24355.9	27782.4	34002.4	40953.3



REPORT NUMBER: P1212217 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-90-2S-HEG

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9253.9	10691.4	12263.7	13818.1	15595.0	17384.0	19183.8	21173.1	23416.4	25816.0	29139.5
-25°	8506.9	9654.6	11109.4	12561.9	14003.8	15595.0	17163.4	18663.4	20287.1	21760.4	23450.7
-27.5°	7968.4	8800.2	9895.7	11250.2	12561.9	13818.1	15208.9	16510.7	17762.1	18859.7	19997.1
-30°	7532.1	8066.4	8898.8	9895.7	11109.4	12263.7	13350.5	14451.6	15513.1	16458.4	17304.5
-32.5°	6947.6	7579.9	8066.4	8800.2	9654.6	10691.4	11678.3	12597.6	13419.6	14200.6	14913.2
-35°	6269.5	6947.6	7532.1	7968.4	8506.9	9253.9	10008.6	10841.2	11581.7	12234.9	12783.5
-37.5°	5393.7	6189.7	6825.9	7363.5	7774.8	8132.8	8666.5	9245.3	9763.5	10353.9	10845.7
-40°	4753.7	5238.4	5952.2	6585.2	7057.2	7490.2	7795.7	8071.3	8381.0	8789.3	9128.5
-42.5°	4228.3	4624.4	5005.6	5561.7	6151.7	6638.0	7010.2	7345.3	7601.1	7794.6	7955.0
-45°	3710.3	4068.3	4411.6	4747.0	5059.9	5533.3	5995.8	6411.2	6696.9	6930.9	7124.7
-47.5°	3144.2	3508.5	3831.9	4129.2	4409.8	4677.7	4921.5	5167.0	5504.1	5792.9	6031.8
-50°	2592.2	2895.8	3216.3	3516.8	3779.6	4015.6	4230.0	4426.5	4603.4	4754.7	4879.7
-52.5°	2093.9	2352.8	2604.4	2848.9	3107.0	3344.0	3559.2	3738.5	3893.2	4025.5	4134.6
-55°	1750.7	1915.5	2070.6	2268.3	2469.6	2654.2	2827.2	3003.5	3157.9	3289.7	3398.4
-57.5°	1452.2	1574.3	1697.3	1830.5	1953.7	2066.7	2198.2	2334.7	2454.1	2556.0	2639.9
-60°	1174.4	1281.2	1385.8	1483.7	1574.3	1657.6	1750.7	1833.6	1906.1	1967.9	2018.8
-62.5°	903.9	998.5	1089.6	1174.4	1252.8	1326.2	1394.1	1454.5	1507.2	1552.2	1589.2
-65°	646.2	728.2	805.0	876.6	942.8	1007.3	1065.5	1117.3	1162.5	1201.0	1232.7
-67.5°	443.2	498.1	549.6	597.5	651.3	705.1	753.6	796.8	834.4	866.5	892.8
-70°	280.4	315.6	348.6	383.5	422.5	458.0	490.1	518.6	543.4	564.5	581.9
-72.5°	157.0	176.3	196.8	223.5	248.0	270.4	290.6	308.5	324.1	337.4	348.3
-75°	74.3	83.2	98.6	112.9	126.0	138.0	148.8	158.4	166.8	173.9	179.7
-77.5°	42.5	47.3	51.8	56.0	59.8	63.3	66.4	69.2	71.6	73.7	75.4
-80°	26.4	28.2	29.7	31.2	32.6	33.8	34.9	35.9	36.8	37.5	38.1
-82.5°	17.6	18.2	18.7	19.1	19.6	20.0	20.3	20.7	20.9	21.2	21.4
-85°	13.6	13.7	13.7	13.8	13.9	13.9	14.0	14.0	14.1	14.1	14.1
-87.5°	10.2	10.5	10.8	11.1	11.3	11.5	11.7	11.9	12.1	12.2	12.3
-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: P1212217 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-90-2S-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°	12.4	12.5	12.5	12.5	12.5	12.5	12.4	12.3	12.2	12.1	11.9
85°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.1	14.1	14.1	14.0
82.5°	21.5	21.6	21.7	21.7	21.7	21.6	21.5	21.4	21.2	20.9	20.7
80°	38.6	38.9	39.1	39.2	39.1	38.9	38.6	38.1	37.5	36.8	35.9
77.5°	76.7	77.6	78.2	78.4	78.2	77.6	76.7	75.4	73.7	71.6	69.2
75°	184.2	187.5	189.4	190.1	189.4	187.5	184.2	179.7	173.9	166.8	158.4
72.5°	356.8	362.9	366.6	367.8	366.6	362.9	356.8	348.3	337.4	324.1	308.5
70°	595.4	605.1	611.0	612.9	611.0	605.1	595.4	581.9	564.5	543.4	518.6
67.5°	913.4	928.1	936.9	939.9	936.9	928.1	913.4	892.8	866.5	834.4	796.8
65°	1257.4	1275.1	1285.7	1289.3	1285.7	1275.1	1257.4	1232.7	1201.0	1162.5	1117.3
62.5°	1618.1	1638.8	1651.2	1655.4	1651.2	1638.8	1618.1	1589.2	1552.2	1507.2	1454.5
60°	2058.5	2087.0	2104.2	2109.9	2104.2	2087.0	2058.5	2018.8	1967.9	1906.1	1833.6
57.5°	2705.5	2752.6	2780.9	2790.4	2780.9	2752.6	2705.5	2639.9	2556.0	2454.1	2334.7
55°	3483.5	3544.5	3581.2	3593.5	3581.2	3544.5	3483.5	3398.4	3289.7	3157.9	3003.5
52.5°	4220.1	4281.4	4318.4	4330.7	4318.4	4281.4	4220.1	4134.6	4025.5	3893.2	3738.5
50°	4977.7	5048.0	5090.4	5104.6	5090.4	5048.0	4977.7	4879.7	4754.7	4603.4	4426.5
47.5°	6219.2	6353.9	6435.1	6462.2	6435.1	6353.9	6219.2	6031.8	5792.9	5504.1	5167.0
45°	7276.9	7386.5	7452.5	7474.6	7452.5	7386.5	7276.9	7124.7	6930.9	6696.9	6411.2
42.5°	8081.1	8172.0	8226.9	8245.2	8226.9	8172.0	8081.1	7955.0	7794.6	7601.1	7345.3
40°	9395.7	9588.5	9704.9	9743.8	9704.9	9588.5	9395.7	9128.5	8789.3	8381.0	8071.3
37.5°	11233.7	11514.0	11683.5	11740.2	11683.5	11514.0	11233.7	10845.7	10353.9	9763.5	9245.3
35°	13217.4	13531.4	13721.5	13785.1	13721.5	13531.4	13217.4	12783.5	12234.9	11581.7	10841.2
32.5°	15478.5	15888.4	16136.9	16220.2	16136.9	15888.4	15478.5	14913.2	14200.6	13419.6	12597.6
30°	17977.8	18467.4	18764.8	18864.6	18764.8	18467.4	17977.8	17304.5	16458.4	15513.1	14451.6
27.5°	20907.0	21571.0	21975.3	22111.1	21975.3	21571.0	20907.0	19997.1	18859.7	17762.1	16510.7
25°	24945.7	26041.6	26711.1	26936.3	26711.1	26041.6	24945.7	23450.7	21760.4	20287.1	18663.4
22.5°	33060.3	35950.8	37724.2	38322.1	37724.2	35950.8	33060.3	29139.5	25816.0	23416.4	21173.1
20°	51907.5	60045.8	65067.7	66766.3	65067.7	60045.8	51907.5	40953.3	34002.4	27782.4	24355.9
17.5°	88127.5	105403.5	116151.5	119803.3	116151.5	105403.5	88127.5	65882.1	50934.5	36523.5	28971.3
15°	142095.1	169339.4	186493.1	192361.3	186493.1	169339.4	142095.1	109962.6	78789.0	54358.0	36523.5
12.5°	206969.4	242332.5	264931.8	272711.2	264931.8	242332.5	206969.4	164559.4	117534.0	78789.0	50934.5
10°	273443.7	315621.4	342489.9	351862.8	342489.9	315621.4	273443.7	221164.0	164559.4	109962.6	65882.1
7.5°	333669.0	384541.5	422747.0	436878.6	422747.0	384541.5	333669.0	273443.7	206969.4	142095.1	88127.5
5°	384541.5	452060.6	508459.4	531217.9	508459.4	452060.6	384541.5	315621.4	242332.5	169339.4	105403.5
2.5°	422747.0	508459.4	586011.7	620777.9	586011.7	508459.4	422747.0	342489.9	264931.8	186493.1	116151.5
0°	436878.6	531217.9	620777.9	660775.8	620777.9	531217.9	436878.6	351862.8	272711.2	192361.3	119803.3
-2.5°	422747.0	508459.4	586011.7	620777.9	586011.7	508459.4	422747.0	342489.9	264931.8	186493.1	116151.5
-5°	384541.5	452060.6	508459.4	531217.9	508459.4	452060.6	384541.5	315621.4	242332.5	169339.4	105403.5
-7.5°	333669.0	384541.5	422747.0	436878.6	422747.0	384541.5	333669.0	273443.7	206969.4	142095.1	88127.5
-10°	273443.7	315621.4	342489.9	351862.8	342489.9	315621.4	273443.7	221164.0	164559.4	109962.6	65882.1
-12.5°	206969.4	242332.5	264931.8	272711.2	264931.8	242332.5	206969.4	164559.4	117534.0	78789.0	50934.5
-15°	142095.1	169339.4	186493.1	192361.3	186493.1	169339.4	142095.1	109962.6	78789.0	54358.0	36523.5
-17.5°	88127.5	105403.5	116151.5	119803.3	116151.5	105403.5	88127.5	65882.1	50934.5	36523.5	28971.3
-20°	51907.5	60045.8	65067.7	66766.3	65067.7	60045.8	51907.5	40953.3	34002.4	27782.4	24355.9



REPORT NUMBER: P1212217 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	33060.3	35950.8	37724.2	38322.1	37724.2	35950.8	33060.3	29139.5	25816.0	23416.4	21173.1
-25°	24945.7	26041.6	26711.1	26936.3	26711.1	26041.6	24945.7	23450.7	21760.4	20287.1	18663.4
-27.5°	20907.0	21571.0	21975.3	22111.1	21975.3	21571.0	20907.0	19997.1	18859.7	17762.1	16510.7
-30°	17977.8	18467.4	18764.8	18864.6	18764.8	18467.4	17977.8	17304.5	16458.4	15513.1	14451.6
-32.5°	15478.5	15888.4	16136.9	16220.2	16136.9	15888.4	15478.5	14913.2	14200.6	13419.6	12597.6
-35°	13217.4	13531.4	13721.5	13785.1	13721.5	13531.4	13217.4	12783.5	12234.9	11581.7	10841.2
-37.5°	11233.7	11514.0	11683.5	11740.2	11683.5	11514.0	11233.7	10845.7	10353.9	9763.5	9245.3
-40°	9395.7	9588.5	9704.9	9743.8	9704.9	9588.5	9395.7	9128.5	8789.3	8381.0	8071.3
-42.5°	8081.1	8172.0	8226.9	8245.2	8226.9	8172.0	8081.1	7955.0	7794.6	7601.1	7345.3
-45°	7276.9	7386.5	7452.5	7474.6	7452.5	7386.5	7276.9	7124.7	6930.9	6696.9	6411.2
-47.5°	6219.2	6353.9	6435.1	6462.2	6435.1	6353.9	6219.2	6031.8	5792.9	5504.1	5167.0
-50°	4977.7	5048.0	5090.4	5104.6	5090.4	5048.0	4977.7	4879.7	4754.7	4603.4	4426.5
-52.5°	4220.1	4281.4	4318.4	4330.7	4318.4	4281.4	4220.1	4134.6	4025.5	3893.2	3738.5
-55°	3483.5	3544.5	3581.2	3593.5	3581.2	3544.5	3483.5	3398.4	3289.7	3157.9	3003.5
-57.5°	2705.5	2752.6	2780.9	2790.4	2780.9	2752.6	2705.5	2639.9	2556.0	2454.1	2334.7
-60°	2058.5	2087.0	2104.2	2109.9	2104.2	2087.0	2058.5	2018.8	1967.9	1906.1	1833.6
-62.5°	1618.1	1638.8	1651.2	1655.4	1651.2	1638.8	1618.1	1589.2	1552.2	1507.2	1454.5
-65°	1257.4	1275.1	1285.7	1289.3	1285.7	1275.1	1257.4	1232.7	1201.0	1162.5	1117.3
-67.5°	913.4	928.1	936.9	939.9	936.9	928.1	913.4	892.8	866.5	834.4	796.8
-70°	595.4	605.1	611.0	612.9	611.0	605.1	595.4	581.9	564.5	543.4	518.6
-72.5°	356.8	362.9	366.6	367.8	366.6	362.9	356.8	348.3	337.4	324.1	308.5
-75°	184.2	187.5	189.4	190.1	189.4	187.5	184.2	179.7	173.9	166.8	158.4
-77.5°	76.7	77.6	78.2	78.4	78.2	77.6	76.7	75.4	73.7	71.6	69.2
-80°	38.6	38.9	39.1	39.2	39.1	38.9	38.6	38.1	37.5	36.8	35.9
-82.5°	21.5	21.6	21.7	21.7	21.7	21.6	21.5	21.4	21.2	20.9	20.7
-85°	14.2	14.2	14.2	14.2	14.2	14.2	14.2	14.1	14.1	14.1	14.0
-87.5°	12.4	12.5	12.5	12.5	12.5	12.5	12.4	12.3	12.2	12.1	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



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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°	11.7	11.5	11.3	11.1	10.8	10.5	10.2	9.9	9.6	9.2	8.8
85°	14.0	13.9	13.9	13.8	13.7	13.7	13.6	13.5	13.4	13.3	13.2
82.5°	20.3	20.0	19.6	19.1	18.7	18.2	17.6	17.0	16.4	15.8	15.1
80°	34.9	33.8	32.6	31.2	29.7	28.2	26.4	24.6	22.7	21.3	20.4
77.5°	66.4	63.3	59.8	56.0	51.8	47.3	42.5	38.4	36.0	33.5	30.8
75°	148.8	138.0	126.0	112.9	98.6	83.2	74.3	68.2	61.7	54.9	47.8
72.5°	290.6	270.4	248.0	223.5	196.8	176.3	157.0	136.6	114.9	92.2	74.9
70°	490.1	458.0	422.5	383.5	348.6	315.6	280.4	243.0	203.5	172.5	145.2
67.5°	753.6	705.1	651.3	597.5	549.6	498.1	443.2	384.9	335.6	288.8	239.8
65°	1065.5	1007.3	942.8	876.6	805.0	728.2	646.2	572.7	504.0	432.0	359.8
62.5°	1394.1	1326.2	1252.8	1174.4	1089.6	998.5	903.9	807.7	706.4	603.4	520.4
60°	1750.7	1657.6	1574.3	1483.7	1385.8	1281.2	1174.4	1061.6	942.8	826.3	705.1
57.5°	2198.2	2066.7	1953.7	1830.5	1697.3	1574.3	1452.2	1323.1	1192.2	1056.9	917.6
55°	2827.2	2654.2	2469.6	2268.3	2070.6	1915.5	1750.7	1592.1	1445.2	1291.8	1139.4
52.5°	3559.2	3344.0	3107.0	2848.9	2604.4	2352.8	2093.9	1906.1	1709.4	1533.6	1362.0
50°	4230.0	4015.6	3779.6	3516.8	3216.3	2895.8	2592.2	2289.8	2018.8	1798.8	1587.2
47.5°	4921.5	4677.7	4409.8	4129.2	3831.9	3508.5	3144.2	2766.0	2427.5	2087.0	1843.8
45°	5995.8	5533.3	5059.9	4747.0	4411.6	4068.3	3710.3	3312.1	2886.0	2496.9	2109.9
42.5°	7010.2	6638.0	6151.7	5561.7	5005.6	4624.4	4228.3	3828.6	3396.7	2927.7	2496.9
40°	7795.7	7490.2	7057.2	6585.2	5952.2	5238.4	4753.7	4309.0	3868.3	3396.7	2886.0
37.5°	8666.5	8132.8	7774.8	7363.5	6825.9	6189.7	5393.7	4797.1	4309.0	3828.6	3312.1
35°	10008.6	9253.9	8506.9	7968.4	7532.1	6947.6	6269.5	5393.7	4753.7	4228.3	3710.3
32.5°	11678.3	10691.4	9654.6	8800.2	8066.4	7579.9	6947.6	6189.7	5238.4	4624.4	4068.3
30°	13350.5	12263.7	11109.4	9895.7	8898.8	8066.4	7532.1	6825.9	5952.2	5005.6	4411.6
27.5°	15208.9	13818.1	12561.9	11250.2	9895.7	8800.2	7968.4	7363.5	6585.2	5561.7	4747.0
25°	17163.4	15595.0	14003.8	12561.9	11109.4	9654.6	8506.9	7774.8	7057.2	6151.7	5059.9
22.5°	19183.8	17384.0	15595.0	13818.1	12263.7	10691.4	9253.9	8132.8	7490.2	6638.0	5533.3
20°	21473.6	19183.8	17163.4	15208.9	13350.5	11678.3	10008.6	8666.5	7795.7	7010.2	5995.8
17.5°	24355.9	21173.1	18663.4	16510.7	14451.6	12597.6	10841.2	9245.3	8071.3	7345.3	6411.2
15°	27782.4	23416.4	20287.1	17762.1	15513.1	13419.6	11581.7	9763.5	8381.0	7601.1	6696.9
12.5°	34002.4	25816.0	21760.4	18859.7	16458.4	14200.6	12234.9	10353.9	8789.3	7794.6	6930.9
10°	40953.3	29139.5	23450.7	19997.1	17304.5	14913.2	12783.5	10845.7	9128.5	7955.0	7124.7
7.5°	51907.5	33060.3	24945.7	20907.0	17977.8	15478.5	13217.4	11233.7	9395.7	8081.1	7276.9
5°	60045.8	35950.8	26041.6	21571.0	18467.4	15888.4	13531.4	11514.0	9588.5	8172.0	7386.5
2.5°	65067.7	37724.2	26711.1	21975.3	18764.8	16136.9	13721.5	11683.5	9704.9	8226.9	7452.5
0°	66766.3	38322.1	26936.3	22111.1	18864.6	16220.2	13785.1	11740.2	9743.8	8245.2	7474.6
-2.5°	65067.7	37724.2	26711.1	21975.3	18764.8	16136.9	13721.5	11683.5	9704.9	8226.9	7452.5
-5°	60045.8	35950.8	26041.6	21571.0	18467.4	15888.4	13531.4	11514.0	9588.5	8172.0	7386.5
-7.5°	51907.5	33060.3	24945.7	20907.0	17977.8	15478.5	13217.4	11233.7	9395.7	8081.1	7276.9
-10°	40953.3	29139.5	23450.7	19997.1	17304.5	14913.2	12783.5	10845.7	9128.5	7955.0	7124.7
-12.5°	34002.4	25816.0	21760.4	18859.7	16458.4	14200.6	12234.9	10353.9	8789.3	7794.6	6930.9
-15°	27782.4	23416.4	20287.1	17762.1	15513.1	13419.6	11581.7	9763.5	8381.0	7601.1	6696.9
-17.5°	24355.9	21173.1	18663.4	16510.7	14451.6	12597.6	10841.2	9245.3	8071.3	7345.3	6411.2
-20°	21473.6	19183.8	17163.4	15208.9	13350.5	11678.3	10008.6	8666.5	7795.7	7010.2	5995.8



REPORT NUMBER: P1212217 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-90-2S-HEG

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	19183.8	17384.0	15595.0	13818.1	12263.7	10691.4	9253.9	8132.8	7490.2	6638.0	5533.3
-25°	17163.4	15595.0	14003.8	12561.9	11109.4	9654.6	8506.9	7774.8	7057.2	6151.7	5059.9
-27.5°	15208.9	13818.1	12561.9	11250.2	9895.7	8800.2	7968.4	7363.5	6585.2	5561.7	4747.0
-30°	13350.5	12263.7	11109.4	9895.7	8898.8	8066.4	7532.1	6825.9	5952.2	5005.6	4411.6
-32.5°	11678.3	10691.4	9654.6	8800.2	8066.4	7579.9	6947.6	6189.7	5238.4	4624.4	4068.3
-35°	10008.6	9253.9	8506.9	7968.4	7532.1	6947.6	6269.5	5393.7	4753.7	4228.3	3710.3
-37.5°	8666.5	8132.8	7774.8	7363.5	6825.9	6189.7	5393.7	4797.1	4309.0	3828.6	3312.1
-40°	7795.7	7490.2	7057.2	6585.2	5952.2	5238.4	4753.7	4309.0	3868.3	3396.7	2886.0
-42.5°	7010.2	6638.0	6151.7	5561.7	5005.6	4624.4	4228.3	3828.6	3396.7	2927.7	2496.9
-45°	5995.8	5533.3	5059.9	4747.0	4411.6	4068.3	3710.3	3312.1	2886.0	2496.9	2109.9
-47.5°	4921.5	4677.7	4409.8	4129.2	3831.9	3508.5	3144.2	2766.0	2427.5	2087.0	1843.8
-50°	4230.0	4015.6	3779.6	3516.8	3216.3	2895.8	2592.2	2289.8	2018.8	1798.8	1587.2
-52.5°	3559.2	3344.0	3107.0	2848.9	2604.4	2352.8	2093.9	1906.1	1709.4	1533.6	1362.0
-55°	2827.2	2654.2	2469.6	2268.3	2070.6	1915.5	1750.7	1592.1	1445.2	1291.8	1139.4
-57.5°	2198.2	2066.7	1953.7	1830.5	1697.3	1574.3	1452.2	1323.1	1192.2	1056.9	917.6
-60°	1750.7	1657.6	1574.3	1483.7	1385.8	1281.2	1174.4	1061.6	942.8	826.3	705.1
-62.5°	1394.1	1326.2	1252.8	1174.4	1089.6	998.5	903.9	807.7	706.4	603.4	520.4
-65°	1065.5	1007.3	942.8	876.6	805.0	728.2	646.2	572.7	504.0	432.0	359.8
-67.5°	753.6	705.1	651.3	597.5	549.6	498.1	443.2	384.9	335.6	288.8	239.8
-70°	490.1	458.0	422.5	383.5	348.6	315.6	280.4	243.0	203.5	172.5	145.2
-72.5°	290.6	270.4	248.0	223.5	196.8	176.3	157.0	136.6	114.9	92.2	74.9
-75°	148.8	138.0	126.0	112.9	98.6	83.2	74.3	68.2	61.7	54.9	47.8
-77.5°	66.4	63.3	59.8	56.0	51.8	47.3	42.5	38.4	36.0	33.5	30.8
-80°	34.9	33.8	32.6	31.2	29.7	28.2	26.4	24.6	22.7	21.3	20.4
-82.5°	20.3	20.0	19.6	19.1	18.7	18.2	17.6	17.0	16.4	15.8	15.1
-85°	14.0	13.9	13.9	13.8	13.7	13.7	13.6	13.5	13.4	13.3	13.2
-87.5°	11.7	11.5	11.3	11.1	10.8	10.5	10.2	9.9	9.6	9.2	8.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1212217 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-90-2S-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°	8.4	8.0	7.6	7.2	6.7	6.2	5.8	5.3	4.8	4.3	3.8
85°	13.1	13.0	12.9	12.7	12.6	12.5	11.5	10.6	9.6	8.5	7.5
82.5°	14.4	14.1	13.9	13.7	13.5	13.3	13.1	13.0	12.7	12.5	11.2
80°	19.4	18.4	17.4	16.3	15.3	14.2	13.9	13.7	13.4	13.1	12.8
77.5°	28.1	25.2	22.2	20.6	19.2	17.8	16.4	14.9	14.0	13.7	13.3
75°	40.3	36.2	32.7	29.0	25.2	21.5	19.8	18.0	16.3	14.4	13.8
72.5°	66.2	57.2	47.8	38.7	34.3	29.7	25.1	21.1	19.0	16.9	14.8
70°	116.8	87.3	70.8	59.8	48.4	38.1	32.8	27.4	21.8	19.4	16.9
67.5°	189.4	156.1	121.8	86.4	68.5	55.4	42.0	34.4	28.1	21.8	19.0
65°	303.1	244.3	186.0	146.7	106.3	73.7	58.8	43.7	34.4	27.4	21.1
62.5°	434.2	351.2	284.3	215.5	161.7	116.3	75.4	58.8	42.0	32.8	25.1
60°	587.7	490.1	389.5	308.5	231.6	166.8	116.3	73.7	55.4	38.1	29.7
57.5°	780.9	639.6	523.9	411.9	316.6	231.6	161.7	106.3	68.5	48.4	34.3
55°	981.7	826.7	670.0	535.2	411.9	308.5	215.5	146.7	86.4	59.8	38.7
52.5°	1189.3	1014.8	842.1	670.0	523.9	389.5	284.3	186.0	121.8	70.8	47.8
50°	1397.4	1206.1	1014.8	826.7	639.6	490.1	351.2	244.3	156.1	87.3	57.2
47.5°	1605.1	1397.4	1189.3	981.7	780.9	587.7	434.2	303.1	189.4	116.8	66.2
45°	1843.8	1587.2	1362.0	1139.4	917.6	705.1	520.4	359.8	239.8	145.2	74.9
42.5°	2087.0	1798.8	1533.6	1291.8	1056.9	826.3	603.4	432.0	288.8	172.5	92.2
40°	2427.5	2018.8	1709.4	1445.2	1192.2	942.8	706.4	504.0	335.6	203.5	114.9
37.5°	2766.0	2289.8	1906.1	1592.1	1323.1	1061.6	807.7	572.7	384.9	243.0	136.6
35°	3144.2	2592.2	2093.9	1750.7	1452.2	1174.4	903.9	646.2	443.2	280.4	157.0
32.5°	3508.5	2895.8	2352.8	1915.5	1574.3	1281.2	998.5	728.2	498.1	315.6	176.3
30°	3831.9	3216.3	2604.4	2070.6	1697.3	1385.8	1089.6	805.0	549.6	348.6	196.8
27.5°	4129.2	3516.8	2848.9	2268.3	1830.5	1483.7	1174.4	876.6	597.5	383.5	223.5
25°	4409.8	3779.6	3107.0	2469.6	1953.7	1574.3	1252.8	942.8	651.3	422.5	248.0
22.5°	4677.7	4015.6	3344.0	2654.2	2066.7	1657.6	1326.2	1007.3	705.1	458.0	270.4
20°	4921.5	4230.0	3559.2	2827.2	2198.2	1750.7	1394.1	1065.5	753.6	490.1	290.6
17.5°	5167.0	4426.5	3738.5	3003.5	2334.7	1833.6	1454.5	1117.3	796.8	518.6	308.5
15°	5504.1	4603.4	3893.2	3157.9	2454.1	1906.1	1507.2	1162.5	834.4	543.4	324.1
12.5°	5792.9	4754.7	4025.5	3289.7	2556.0	1967.9	1552.2	1201.0	866.5	564.5	337.4
10°	6031.8	4879.7	4134.6	3398.4	2639.9	2018.8	1589.2	1232.7	892.8	581.9	348.3
7.5°	6219.2	4977.7	4220.1	3483.5	2705.5	2058.5	1618.1	1257.4	913.4	595.4	356.8
5°	6353.9	5048.0	4281.4	3544.5	2752.6	2087.0	1638.8	1275.1	928.1	605.1	362.9
2.5°	6435.1	5090.4	4318.4	3581.2	2780.9	2104.2	1651.2	1285.7	936.9	611.0	366.6
0°	6462.2	5104.6	4330.7	3593.5	2790.4	2109.9	1655.4	1289.3	939.9	612.9	367.8
-2.5°	6435.1	5090.4	4318.4	3581.2	2780.9	2104.2	1651.2	1285.7	936.9	611.0	366.6
-5°	6353.9	5048.0	4281.4	3544.5	2752.6	2087.0	1638.8	1275.1	928.1	605.1	362.9
-7.5°	6219.2	4977.7	4220.1	3483.5	2705.5	2058.5	1618.1	1257.4	913.4	595.4	356.8
-10°	6031.8	4879.7	4134.6	3398.4	2639.9	2018.8	1589.2	1232.7	892.8	581.9	348.3
-12.5°	5792.9	4754.7	4025.5	3289.7	2556.0	1967.9	1552.2	1201.0	866.5	564.5	337.4
-15°	5504.1	4603.4	3893.2	3157.9	2454.1	1906.1	1507.2	1162.5	834.4	543.4	324.1
-17.5°	5167.0	4426.5	3738.5	3003.5	2334.7	1833.6	1454.5	1117.3	796.8	518.6	308.5
-20°	4921.5	4230.0	3559.2	2827.2	2198.2	1750.7	1394.1	1065.5	753.6	490.1	290.6



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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°	4677.7	4015.6	3344.0	2654.2	2066.7	1657.6	1326.2	1007.3	705.1	458.0	270.4
-25°	4409.8	3779.6	3107.0	2469.6	1953.7	1574.3	1252.8	942.8	651.3	422.5	248.0
-27.5°	4129.2	3516.8	2848.9	2268.3	1830.5	1483.7	1174.4	876.6	597.5	383.5	223.5
-30°	3831.9	3216.3	2604.4	2070.6	1697.3	1385.8	1089.6	805.0	549.6	348.6	196.8
-32.5°	3508.5	2895.8	2352.8	1915.5	1574.3	1281.2	998.5	728.2	498.1	315.6	176.3
-35°	3144.2	2592.2	2093.9	1750.7	1452.2	1174.4	903.9	646.2	443.2	280.4	157.0
-37.5°	2766.0	2289.8	1906.1	1592.1	1323.1	1061.6	807.7	572.7	384.9	243.0	136.6
-40°	2427.5	2018.8	1709.4	1445.2	1192.2	942.8	706.4	504.0	335.6	203.5	114.9
-42.5°	2087.0	1798.8	1533.6	1291.8	1056.9	826.3	603.4	432.0	288.8	172.5	92.2
-45°	1843.8	1587.2	1362.0	1139.4	917.6	705.1	520.4	359.8	239.8	145.2	74.9
-47.5°	1605.1	1397.4	1189.3	981.7	780.9	587.7	434.2	303.1	189.4	116.8	66.2
-50°	1397.4	1206.1	1014.8	826.7	639.6	490.1	351.2	244.3	156.1	87.3	57.2
-52.5°	1189.3	1014.8	842.1	670.0	523.9	389.5	284.3	186.0	121.8	70.8	47.8
-55°	981.7	826.7	670.0	535.2	411.9	308.5	215.5	146.7	86.4	59.8	38.7
-57.5°	780.9	639.6	523.9	411.9	316.6	231.6	161.7	106.3	68.5	48.4	34.3
-60°	587.7	490.1	389.5	308.5	231.6	166.8	116.3	73.7	55.4	38.1	29.7
-62.5°	434.2	351.2	284.3	215.5	161.7	116.3	75.4	58.8	42.0	32.8	25.1
-65°	303.1	244.3	186.0	146.7	106.3	73.7	58.8	43.7	34.4	27.4	21.1
-67.5°	189.4	156.1	121.8	86.4	68.5	55.4	42.0	34.4	28.1	21.8	19.0
-70°	116.8	87.3	70.8	59.8	48.4	38.1	32.8	27.4	21.8	19.4	16.9
-72.5°	66.2	57.2	47.8	38.7	34.3	29.7	25.1	21.1	19.0	16.9	14.8
-75°	40.3	36.2	32.7	29.0	25.2	21.5	19.8	18.0	16.3	14.4	13.8
-77.5°	28.1	25.2	22.2	20.6	19.2	17.8	16.4	14.9	14.0	13.7	13.3
-80°	19.4	18.4	17.4	16.3	15.3	14.2	13.9	13.7	13.4	13.1	12.8
-82.5°	14.4	14.1	13.9	13.7	13.5	13.3	13.1	13.0	12.7	12.5	11.2
-85°	13.1	13.0	12.9	12.7	12.6	12.5	11.5	10.6	9.6	8.5	7.5
-87.5°	8.4	8.0	7.6	7.2	6.7	6.2	5.8	5.3	4.8	4.3	3.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	3.2	2.7	2.2	1.6	1.1	0.5	0.0
85°	6.5	5.4	4.3	3.3	2.2	1.1	0.0
82.5°	9.7	8.1	6.5	4.9	3.3	1.6	0.0
80°	12.6	10.8	8.6	6.5	4.3	2.2	0.0
77.5°	13.0	12.6	10.8	8.1	5.4	2.7	0.0
75°	13.4	13.0	12.6	9.7	6.5	3.2	0.0
72.5°	13.8	13.3	12.8	11.2	7.5	3.8	0.0
70°	14.4	13.7	13.1	12.5	8.5	4.3	0.0
67.5°	16.3	14.0	13.4	12.7	9.6	4.8	0.0
65°	18.0	14.9	13.7	13.0	10.6	5.3	0.0
62.5°	19.8	16.4	13.9	13.1	11.5	5.8	0.0
60°	21.5	17.8	14.2	13.3	12.5	6.2	0.0
57.5°	25.2	19.2	15.3	13.5	12.6	6.7	0.0
55°	29.0	20.6	16.3	13.7	12.7	7.2	0.0
52.5°	32.7	22.2	17.4	13.9	12.9	7.6	0.0
50°	36.2	25.2	18.4	14.1	13.0	8.0	0.0
47.5°	40.3	28.1	19.4	14.4	13.1	8.4	0.0
45°	47.8	30.8	20.4	15.1	13.2	8.8	0.0
42.5°	54.9	33.5	21.3	15.8	13.3	9.2	0.0
40°	61.7	36.0	22.7	16.4	13.4	9.6	0.0
37.5°	68.2	38.4	24.6	17.0	13.5	9.9	0.0
35°	74.3	42.5	26.4	17.6	13.6	10.2	0.0
32.5°	83.2	47.3	28.2	18.2	13.7	10.5	0.0
30°	98.6	51.8	29.7	18.7	13.7	10.8	0.0
27.5°	112.9	56.0	31.2	19.1	13.8	11.1	0.0
25°	126.0	59.8	32.6	19.6	13.9	11.3	0.0
22.5°	138.0	63.3	33.8	20.0	13.9	11.5	0.0
20°	148.8	66.4	34.9	20.3	14.0	11.7	0.0
17.5°	158.4	69.2	35.9	20.7	14.0	11.9	0.0
15°	166.8	71.6	36.8	20.9	14.1	12.1	0.0
12.5°	173.9	73.7	37.5	21.2	14.1	12.2	0.0
10°	179.7	75.4	38.1	21.4	14.1	12.3	0.0
7.5°	184.2	76.7	38.6	21.5	14.2	12.4	0.0
5°	187.5	77.6	38.9	21.6	14.2	12.5	0.0
2.5°	189.4	78.2	39.1	21.7	14.2	12.5	0.0
0°	190.1	78.4	39.2	21.7	14.2	12.5	0.0
-2.5°	189.4	78.2	39.1	21.7	14.2	12.5	0.0
-5°	187.5	77.6	38.9	21.6	14.2	12.5	0.0
-7.5°	184.2	76.7	38.6	21.5	14.2	12.4	0.0
-10°	179.7	75.4	38.1	21.4	14.1	12.3	0.0
-12.5°	173.9	73.7	37.5	21.2	14.1	12.2	0.0
-15°	166.8	71.6	36.8	20.9	14.1	12.1	0.0
-17.5°	158.4	69.2	35.9	20.7	14.0	11.9	0.0
-20°	148.8	66.4	34.9	20.3	14.0	11.7	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	138.0	63.3	33.8	20.0	13.9	11.5	0.0
-25°	126.0	59.8	32.6	19.6	13.9	11.3	0.0
-27.5°	112.9	56.0	31.2	19.1	13.8	11.1	0.0
-30°	98.6	51.8	29.7	18.7	13.7	10.8	0.0
-32.5°	83.2	47.3	28.2	18.2	13.7	10.5	0.0
-35°	74.3	42.5	26.4	17.6	13.6	10.2	0.0
-37.5°	68.2	38.4	24.6	17.0	13.5	9.9	0.0
-40°	61.7	36.0	22.7	16.4	13.4	9.6	0.0
-42.5°	54.9	33.5	21.3	15.8	13.3	9.2	0.0
-45°	47.8	30.8	20.4	15.1	13.2	8.8	0.0
-47.5°	40.3	28.1	19.4	14.4	13.1	8.4	0.0
-50°	36.2	25.2	18.4	14.1	13.0	8.0	0.0
-52.5°	32.7	22.2	17.4	13.9	12.9	7.6	0.0
-55°	29.0	20.6	16.3	13.7	12.7	7.2	0.0
-57.5°	25.2	19.2	15.3	13.5	12.6	6.7	0.0
-60°	21.5	17.8	14.2	13.3	12.5	6.2	0.0
-62.5°	19.8	16.4	13.9	13.1	11.5	5.8	0.0
-65°	18.0	14.9	13.7	13.0	10.6	5.3	0.0
-67.5°	16.3	14.0	13.4	12.7	9.6	4.8	0.0
-70°	14.4	13.7	13.1	12.5	8.5	4.3	0.0
-72.5°	13.8	13.3	12.8	11.2	7.5	3.8	0.0
-75°	13.4	13.0	12.6	9.7	6.5	3.2	0.0
-77.5°	13.0	12.6	10.8	8.1	5.4	2.7	0.0
-80°	12.6	10.8	8.6	6.5	4.3	2.2	0.0
-82.5°	9.7	8.1	6.5	4.9	3.3	1.6	0.0
-85°	6.5	5.4	4.3	3.3	2.2	1.1	0.0
-87.5°	3.2	2.7	2.2	1.6	1.1	0.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)