

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: P1212184 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-57-70-3S-HEG**

Issue Date: 11/14/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P1212184 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/14/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: EPHESUS  
Catalog Number: EPH-LS12-1000R-57-70-3S-HEG  
Description: EPHESUS LS12 LUMINAIRE  
(12) 5700K, 70 CRI LEDS AND 3S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

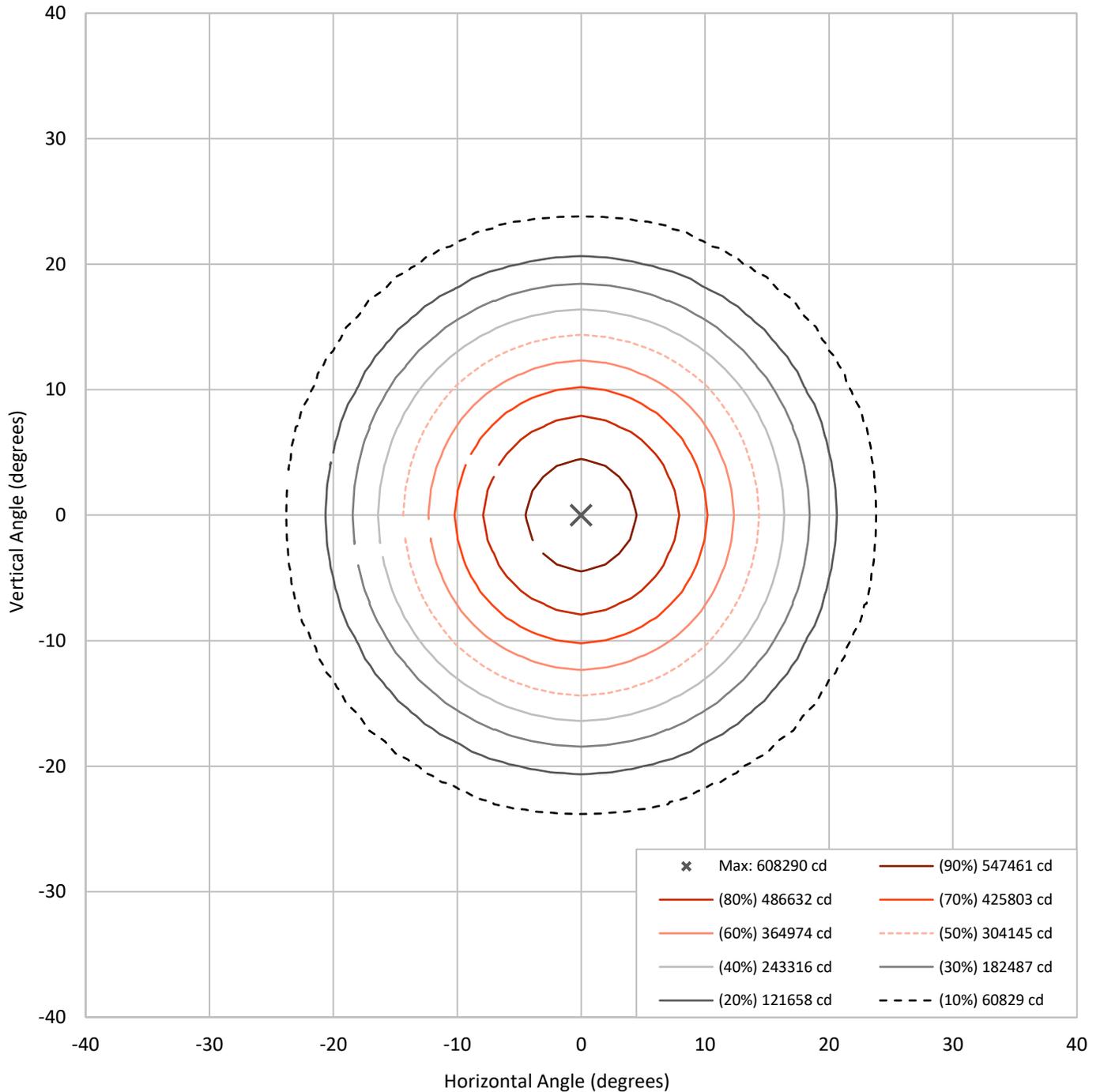
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	170465.3 lumens	Max Intensity:	608290 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	163.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	28.7°H x 28.7°V	Field Angle (10%):	47.6°H x 47.6°V
Beam Lumens:	89162 lumens	Field Lumens:	137459.7 lumens
Beam Efficiency:	52.3%	Field Efficiency:	80.6%
Input Watts (W):	1041		
Input Voltage (V):	NR		
Input Current (A <sub>in</sub> ):	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





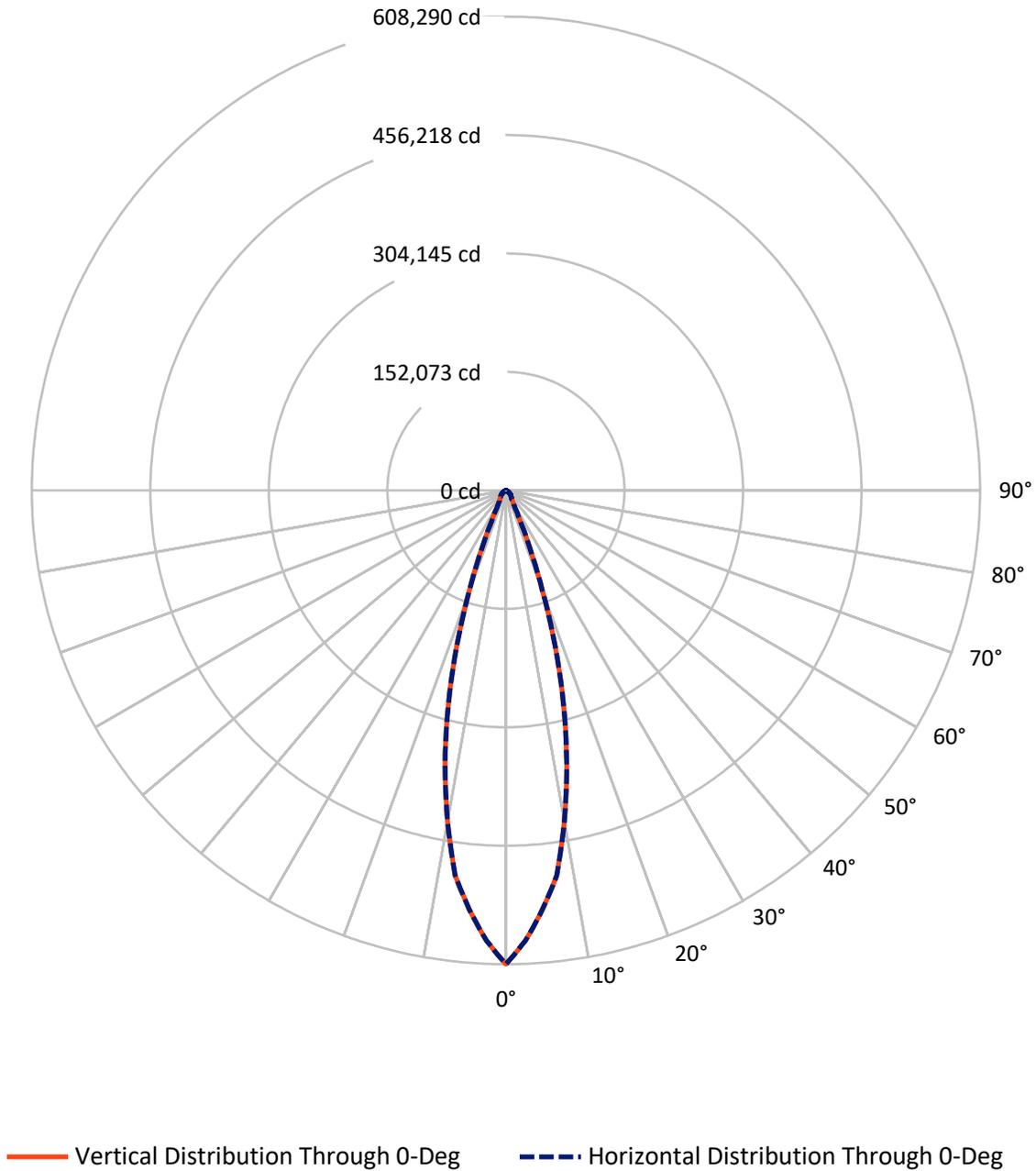
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### Lumen Table

90																
80	0.1	0.7		5.0		14.2		19.0		14.2		5.0		0.7		0.1
70																
60	0.4	0.7	3.7	11.0	22.5	35.2	46.2	52.4	52.4	46.2	35.2	22.5	11.0	3.7	0.7	0.4
50		2.8	13.0	33.0	60.9	95.1	126.1	143.8	143.8	126.1	95.1	60.9	33.0	13.0	2.8	
40	1.8	6.8	27.0	64.8	124.0	188.3	238.4	264.4	264.4	238.4	188.3	124.0	64.8	27.0	6.8	1.8
30		12.0	43.2	107.5	194.1	269.9	340.2	396.7	396.7	340.2	269.9	194.1	107.5	43.2	12.0	
20	4.3	17.0	61.1	147.7	244.3	374.2	759.3	1514.6	1514.6	759.3	374.2	244.3	147.7	61.1	17.0	4.3
10		20.9	76.1	175.5	289.4	716.1	3488.6	7689.3	7689.3	3488.6	716.1	289.4	175.5	76.1	20.9	
0	5.5	23.0	84.1	188.6	327.9	1394.1	7481.8	14580.3	14580.3	7481.8	1394.1	327.9	188.6	84.1	23.0	5.5
-10		23.0	84.1	188.6	327.9	1394.1	7481.8	14580.3	14580.3	7481.8	1394.1	327.9	188.6	84.1	23.0	
-20	4.3	20.9	76.1	175.5	289.4	716.1	3488.6	7689.3	7689.3	3488.6	716.1	289.4	175.5	76.1	20.9	4.3
-30		17.0	61.1	147.7	244.3	374.2	759.3	1514.6	1514.6	759.3	374.2	244.3	147.7	61.1	17.0	
-40	1.8	12.0	43.2	107.5	194.1	269.9	340.2	396.7	396.7	340.2	269.9	194.1	107.5	43.2	12.0	1.8
-50		6.8	27.0	64.8	124.0	188.3	238.4	264.4	264.4	238.4	188.3	124.0	64.8	27.0	6.8	
-60	0.4	2.8	13.0	33.0	60.9	95.1	126.1	143.8	143.8	126.1	95.1	60.9	33.0	13.0	2.8	0.4
-70		0.7	3.7	11.0	22.5	35.2	46.2	52.4	52.4	46.2	35.2	22.5	11.0	3.7	0.7	
-80																
-90	0.1	0.7		5.0		14.2		19.0		14.2		5.0		0.7		0.1

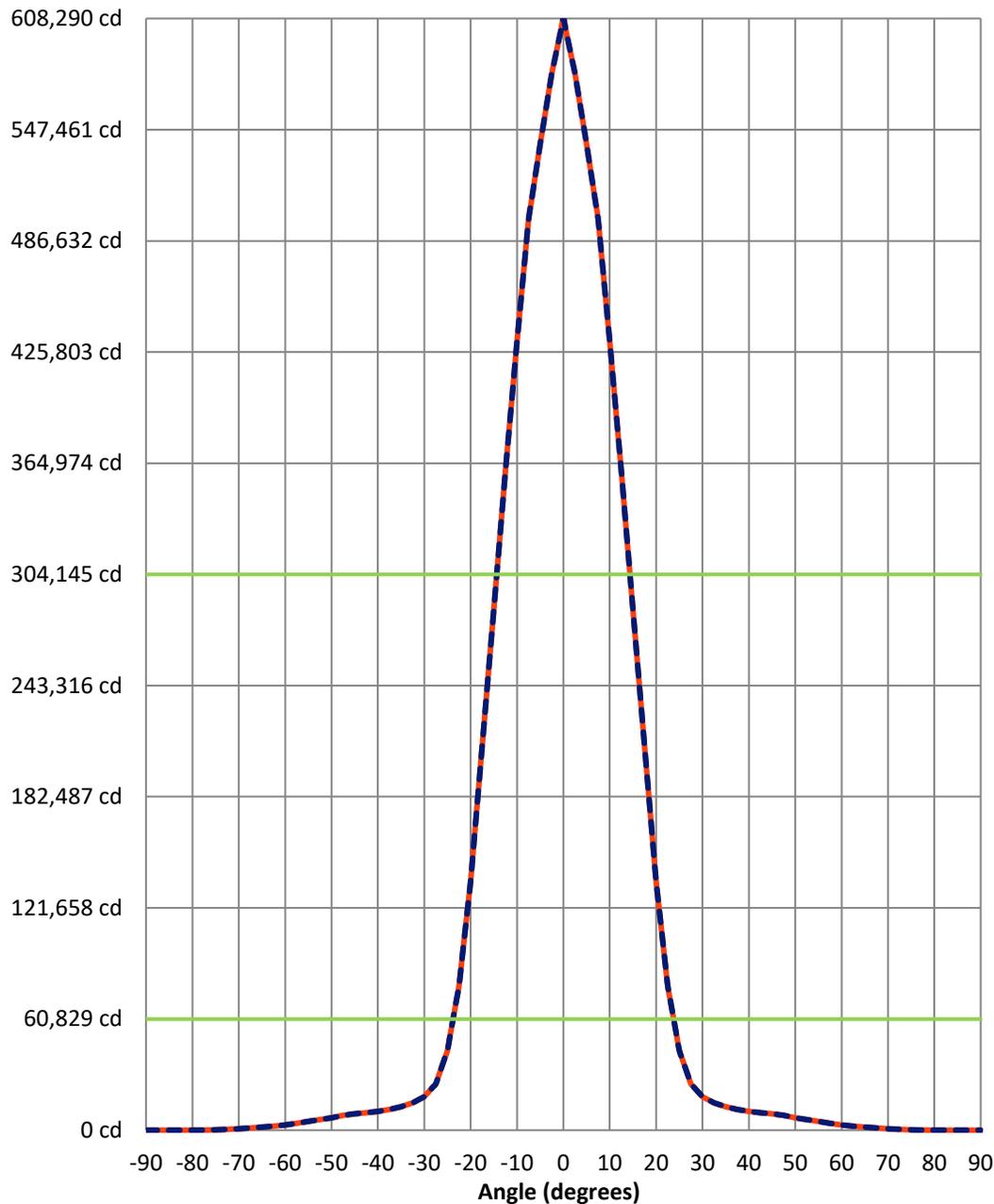
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 28.7°  
 V Angle: 28.7°  
 Lumens: 89162  
 Efficiency: 52.3%

**Field:**  
 H Angle: 47.6°  
 V Angle: 47.6°  
 Lumens: 137459.7  
 Efficiency: 80.6%

**Spill:**  
 Lumens: 33005.6  
 Efficiency: 19.4%

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



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.7
85°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.7	3.1	3.4
82.5°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.0	4.3	4.6
80°	0.0	0.7	1.4	2.1	2.8	3.4	4.1	4.4	4.8	5.1	5.4
77.5°	0.0	0.9	1.7	2.6	3.4	4.2	4.6	5.0	5.5	5.9	6.7
75°	0.0	1.0	2.1	3.1	4.1	4.6	5.1	5.6	6.3	7.7	9.2
72.5°	0.0	1.2	2.4	3.6	4.4	5.0	5.6	6.6	8.3	10.0	11.6
70°	0.0	1.4	2.7	4.0	4.8	5.5	6.3	8.3	10.2	12.3	20.3
67.5°	0.0	1.5	3.1	4.3	5.1	5.9	7.7	10.0	12.3	21.4	30.3
65°	0.0	1.7	3.4	4.6	5.4	6.7	9.2	11.6	20.3	30.3	43.6
62.5°	0.0	1.8	3.7	4.8	5.8	7.9	10.6	17.0	28.1	41.2	64.7
60°	0.0	2.0	4.0	5.0	6.1	9.0	11.9	23.7	35.8	59.8	85.3
57.5°	0.0	2.1	4.2	5.3	6.9	10.1	17.1	30.2	50.2	78.0	129.5
55°	0.0	2.3	4.3	5.5	7.8	11.2	22.6	36.6	66.0	102.7	183.9
52.5°	0.0	2.4	4.5	5.7	8.7	12.8	27.9	49.3	81.4	150.3	236.8
50°	0.0	2.6	4.6	5.9	9.5	17.1	33.0	62.3	103.9	196.6	314.7
47.5°	0.0	2.7	4.7	6.2	10.3	21.3	38.8	74.9	143.6	241.3	393.1
45°	0.0	2.8	4.9	6.8	11.0	25.2	49.2	87.0	181.9	308.7	468.8
42.5°	0.0	2.9	5.0	7.4	11.8	29.1	59.2	110.5	218.6	374.0	564.4
40°	0.0	3.1	5.1	7.9	13.6	32.7	68.7	141.1	260.2	436.5	659.6
37.5°	0.0	3.2	5.2	8.4	16.3	36.2	77.7	170.2	312.9	502.1	750.4
35°	0.0	3.3	5.3	8.8	18.9	41.9	86.2	197.8	362.8	579.1	848.9
32.5°	0.0	3.4	5.4	9.3	21.4	48.6	98.4	223.7	409.8	651.8	960.8
30°	0.0	3.5	5.5	9.7	23.7	54.8	119.1	251.3	453.8	719.9	1065.7
27.5°	0.0	3.5	5.6	10.1	25.8	60.6	138.3	286.9	500.3	783.2	1163.3
25°	0.0	3.6	5.7	10.4	27.8	66.0	156.0	319.6	551.8	855.9	1253.7
22.5°	0.0	3.7	5.8	10.7	29.6	70.8	172.2	349.5	598.8	929.3	1340.5
20°	0.0	3.8	5.8	11.0	31.2	75.2	186.7	376.4	641.1	995.5	1418.8
17.5°	0.0	3.8	5.9	11.3	32.6	79.1	199.6	400.3	678.8	1054.4	1488.6
15°	0.0	3.9	6.0	11.5	33.8	82.5	210.9	421.2	711.6	1105.8	1549.4
12.5°	0.0	3.9	6.0	11.7	34.9	85.3	220.4	438.9	739.5	1149.5	1601.2
10°	0.0	3.9	6.0	11.8	35.8	87.7	228.3	453.5	762.5	1185.4	1643.9
7.5°	0.0	4.0	6.1	11.9	36.4	89.5	234.4	464.8	780.4	1213.5	1677.1
5°	0.0	4.0	6.1	12.0	36.9	90.8	238.8	473.0	793.2	1233.6	1701.0
2.5°	0.0	4.0	6.1	12.1	37.2	91.6	241.4	477.9	800.9	1245.7	1715.3
0°	0.0	4.0	6.1	12.1	37.3	91.9	242.3	479.5	803.5	1249.7	1720.1
-2.5°	0.0	4.0	6.1	12.1	37.2	91.6	241.4	477.9	800.9	1245.7	1715.3
-5°	0.0	4.0	6.1	12.0	36.9	90.8	238.8	473.0	793.2	1233.6	1701.0
-7.5°	0.0	4.0	6.1	11.9	36.4	89.5	234.4	464.8	780.4	1213.5	1677.1
-10°	0.0	3.9	6.0	11.8	35.8	87.7	228.3	453.5	762.5	1185.4	1643.9
-12.5°	0.0	3.9	6.0	11.7	34.9	85.3	220.4	438.9	739.5	1149.5	1601.2
-15°	0.0	3.9	6.0	11.5	33.8	82.5	210.9	421.2	711.6	1105.8	1549.4
-17.5°	0.0	3.8	5.9	11.3	32.6	79.1	199.6	400.3	678.8	1054.4	1488.6
-20°	0.0	3.8	5.8	11.0	31.2	75.2	186.7	376.4	641.1	995.5	1418.8



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 CATALOG NUMBER: EPH-LS12-1000R-57-70-3S-HEG

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	3.7	5.8	10.7	29.6	70.8	172.2	349.5	598.8	929.3	1340.5
-25°	0.0	3.6	5.7	10.4	27.8	66.0	156.0	319.6	551.8	855.9	1253.7
-27.5°	0.0	3.5	5.6	10.1	25.8	60.6	138.3	286.9	500.3	783.2	1163.3
-30°	0.0	3.5	5.5	9.7	23.7	54.8	119.1	251.3	453.8	719.9	1065.7
-32.5°	0.0	3.4	5.4	9.3	21.4	48.6	98.4	223.7	409.8	651.8	960.8
-35°	0.0	3.3	5.3	8.8	18.9	41.9	86.2	197.8	362.8	579.1	848.9
-37.5°	0.0	3.2	5.2	8.4	16.3	36.2	77.7	170.2	312.9	502.1	750.4
-40°	0.0	3.1	5.1	7.9	13.6	32.7	68.7	141.1	260.2	436.5	659.6
-42.5°	0.0	2.9	5.0	7.4	11.8	29.1	59.2	110.5	218.6	374.0	564.4
-45°	0.0	2.8	4.9	6.8	11.0	25.2	49.2	87.0	181.9	308.7	468.8
-47.5°	0.0	2.7	4.7	6.2	10.3	21.3	38.8	74.9	143.6	241.3	393.1
-50°	0.0	2.6	4.6	5.9	9.5	17.1	33.0	62.3	103.9	196.6	314.7
-52.5°	0.0	2.4	4.5	5.7	8.7	12.8	27.9	49.3	81.4	150.3	236.8
-55°	0.0	2.3	4.3	5.5	7.8	11.2	22.6	36.6	66.0	102.7	183.9
-57.5°	0.0	2.1	4.2	5.3	6.9	10.1	17.1	30.2	50.2	78.0	129.5
-60°	0.0	2.0	4.0	5.0	6.1	9.0	11.9	23.7	35.8	59.8	85.3
-62.5°	0.0	1.8	3.7	4.8	5.8	7.9	10.6	17.0	28.1	41.2	64.7
-65°	0.0	1.7	3.4	4.6	5.4	6.7	9.2	11.6	20.3	30.3	43.6
-67.5°	0.0	1.5	3.1	4.3	5.1	5.9	7.7	10.0	12.3	21.4	30.3
-70°	0.0	1.4	2.7	4.0	4.8	5.5	6.3	8.3	10.2	12.3	20.3
-72.5°	0.0	1.2	2.4	3.6	4.4	5.0	5.6	6.6	8.3	10.0	11.6
-75°	0.0	1.0	2.1	3.1	4.1	4.6	5.1	5.6	6.3	7.7	9.2
-77.5°	0.0	0.9	1.7	2.6	3.4	4.2	4.6	5.0	5.5	5.9	6.7
-80°	0.0	0.7	1.4	2.1	2.8	3.4	4.1	4.4	4.8	5.1	5.4
-82.5°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.0	4.3	4.6
-85°	0.0	0.3	0.7	1.0	1.4	1.7	2.1	2.4	2.7	3.1	3.4
-87.5°	0.0	0.2	0.3	0.5	0.7	0.9	1.0	1.2	1.4	1.5	1.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.8	2.9	3.1	3.2
85°	3.7	4.0	4.2	4.3	4.5	4.6	4.7	4.9	5.0	5.1	5.2
82.5°	4.8	5.0	5.3	5.5	5.7	5.9	6.2	6.8	7.4	7.9	8.4
80°	5.8	6.1	6.9	7.8	8.7	9.5	10.3	11.0	11.8	13.6	16.3
77.5°	7.9	9.0	10.1	11.2	12.8	17.1	21.3	25.2	29.1	32.7	36.2
75°	10.6	11.9	17.1	22.6	27.9	33.0	38.8	49.2	59.2	68.7	77.7
72.5°	17.0	23.7	30.2	36.6	49.3	62.3	74.9	87.0	110.5	141.1	170.2
70°	28.1	35.8	50.2	66.0	81.4	103.9	143.6	181.9	218.6	260.2	312.9
67.5°	41.2	59.8	78.0	102.7	150.3	196.6	241.3	308.7	374.0	436.5	502.1
65°	64.7	85.3	129.5	183.9	236.8	314.7	393.1	468.8	564.4	659.6	750.4
62.5°	87.8	142.9	204.1	276.3	368.1	457.3	567.2	681.3	791.0	931.1	1069.3
60°	142.9	210.9	297.7	400.3	508.1	641.1	770.1	929.3	1094.7	1253.7	1413.5
57.5°	204.1	297.7	411.1	537.8	685.8	840.0	1032.7	1219.2	1407.2	1589.3	1766.1
55°	276.3	400.3	537.8	700.8	881.4	1095.3	1306.0	1518.3	1723.5	1932.0	2131.7
52.5°	368.1	508.1	685.8	881.4	1116.2	1350.5	1585.5	1819.0	2052.2	2296.5	2583.5
50°	457.3	641.1	840.0	1095.3	1350.5	1608.1	1867.0	2125.0	2426.9	2747.9	3122.2
47.5°	567.2	770.1	1032.7	1306.0	1585.5	1867.0	2149.3	2492.6	2847.5	3306.8	3760.7
45°	681.3	929.3	1219.2	1518.3	1819.0	2125.0	2492.6	2880.9	3399.8	3918.4	4475.3
42.5°	791.0	1094.7	1407.2	1723.5	2052.2	2426.9	2847.5	3399.8	3972.9	4586.0	5156.5
40°	931.1	1253.7	1589.3	1932.0	2296.5	2747.9	3306.8	3918.4	4586.0	5209.3	5796.5
37.5°	1069.3	1413.5	1766.1	2131.7	2583.5	3122.2	3760.7	4475.3	5156.5	5796.5	6402.7
35°	1200.6	1565.5	1941.5	2356.8	2857.5	3527.7	4255.9	4998.9	5689.0	6349.0	7079.1
32.5°	1328.6	1709.1	2107.5	2597.2	3206.5	3931.2	4732.1	5475.8	6188.9	6920.2	7893.5
30°	1451.2	1851.2	2278.9	2823.6	3544.0	4350.1	5160.9	5925.5	6660.7	7650.5	8474.4
27.5°	1565.5	1984.4	2473.2	3093.3	3869.9	4743.0	5556.9	6340.6	7251.0	8274.5	8920.8
25°	1671.0	2107.5	2653.0	3363.2	4207.2	5091.1	5923.3	6728.0	7854.7	8666.4	9234.1
22.5°	1770.3	2221.0	2817.8	3610.8	4517.1	5405.5	6254.9	7221.9	8318.3	9024.6	9497.7
20°	1862.5	2356.8	2999.3	3841.5	4798.4	5691.3	6556.7	7695.1	8627.4	9249.5	9788.4
17.5°	1944.6	2477.8	3182.4	4072.0	5036.4	5944.0	6847.1	8120.1	8905.7	9452.4	10074.2
15°	2016.3	2583.5	3342.5	4273.8	5242.6	6162.9	7192.0	8367.2	9106.3	9647.4	10330.7
12.5°	2077.4	2673.7	3479.1	4446.1	5418.8	6350.2	7487.5	8561.6	9248.7	9849.0	10642.4
10°	2127.7	2747.9	3591.6	4588.2	5564.1	6504.9	7731.9	8722.5	9366.7	10016.5	10902.0
7.5°	2167.0	2805.9	3679.6	4699.4	5678.0	6626.2	7923.6	8848.9	9459.6	10148.4	11106.8
5°	2195.1	2847.5	3742.7	4779.2	5759.7	6713.3	8061.5	8939.9	9526.5	10243.6	11254.8
2.5°	2212.1	2872.5	3780.7	4827.2	5809.0	6765.8	8144.5	8994.8	9566.9	10301.1	11344.3
0°	2217.7	2880.9	3793.4	4843.2	5825.4	6783.3	8172.3	9013.1	9580.4	10320.3	11374.2
-2.5°	2212.1	2872.5	3780.7	4827.2	5809.0	6765.8	8144.5	8994.8	9566.9	10301.1	11344.3
-5°	2195.1	2847.5	3742.7	4779.2	5759.7	6713.3	8061.5	8939.9	9526.5	10243.6	11254.8
-7.5°	2167.0	2805.9	3679.6	4699.4	5678.0	6626.2	7923.6	8848.9	9459.6	10148.4	11106.8
-10°	2127.7	2747.9	3591.6	4588.2	5564.1	6504.9	7731.9	8722.5	9366.7	10016.5	10902.0
-12.5°	2077.4	2673.7	3479.1	4446.1	5418.8	6350.2	7487.5	8561.6	9248.7	9849.0	10642.4
-15°	2016.3	2583.5	3342.5	4273.8	5242.6	6162.9	7192.0	8367.2	9106.3	9647.4	10330.7
-17.5°	1944.6	2477.8	3182.4	4072.0	5036.4	5944.0	6847.1	8120.1	8905.7	9452.4	10074.2
-20°	1862.5	2356.8	2999.3	3841.5	4798.4	5691.3	6556.7	7695.1	8627.4	9249.5	9788.4



REPORT NUMBER: P1212184 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-70-3S-HEG

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1770.3	2221.0	2817.8	3610.8	4517.1	5405.5	6254.9	7221.9	8318.3	9024.6	9497.7
-25°	1671.0	2107.5	2653.0	3363.2	4207.2	5091.1	5923.3	6728.0	7854.7	8666.4	9234.1
-27.5°	1565.5	1984.4	2473.2	3093.3	3869.9	4743.0	5556.9	6340.6	7251.0	8274.5	8920.8
-30°	1451.2	1851.2	2278.9	2823.6	3544.0	4350.1	5160.9	5925.5	6660.7	7650.5	8474.4
-32.5°	1328.6	1709.1	2107.5	2597.2	3206.5	3931.2	4732.1	5475.8	6188.9	6920.2	7893.5
-35°	1200.6	1565.5	1941.5	2356.8	2857.5	3527.7	4255.9	4998.9	5689.0	6349.0	7079.1
-37.5°	1069.3	1413.5	1766.1	2131.7	2583.5	3122.2	3760.7	4475.3	5156.5	5796.5	6402.7
-40°	931.1	1253.7	1589.3	1932.0	2296.5	2747.9	3306.8	3918.4	4586.0	5209.3	5796.5
-42.5°	791.0	1094.7	1407.2	1723.5	2052.2	2426.9	2847.5	3399.8	3972.9	4586.0	5156.5
-45°	681.3	929.3	1219.2	1518.3	1819.0	2125.0	2492.6	2880.9	3399.8	3918.4	4475.3
-47.5°	567.2	770.1	1032.7	1306.0	1585.5	1867.0	2149.3	2492.6	2847.5	3306.8	3760.7
-50°	457.3	641.1	840.0	1095.3	1350.5	1608.1	1867.0	2125.0	2426.9	2747.9	3122.2
-52.5°	368.1	508.1	685.8	881.4	1116.2	1350.5	1585.5	1819.0	2052.2	2296.5	2583.5
-55°	276.3	400.3	537.8	700.8	881.4	1095.3	1306.0	1518.3	1723.5	1932.0	2131.7
-57.5°	204.1	297.7	411.1	537.8	685.8	840.0	1032.7	1219.2	1407.2	1589.3	1766.1
-60°	142.9	210.9	297.7	400.3	508.1	641.1	770.1	929.3	1094.7	1253.7	1413.5
-62.5°	87.8	142.9	204.1	276.3	368.1	457.3	567.2	681.3	791.0	931.1	1069.3
-65°	64.7	85.3	129.5	183.9	236.8	314.7	393.1	468.8	564.4	659.6	750.4
-67.5°	41.2	59.8	78.0	102.7	150.3	196.6	241.3	308.7	374.0	436.5	502.1
-70°	28.1	35.8	50.2	66.0	81.4	103.9	143.6	181.9	218.6	260.2	312.9
-72.5°	17.0	23.7	30.2	36.6	49.3	62.3	74.9	87.0	110.5	141.1	170.2
-75°	10.6	11.9	17.1	22.6	27.9	33.0	38.8	49.2	59.2	68.7	77.7
-77.5°	7.9	9.0	10.1	11.2	12.8	17.1	21.3	25.2	29.1	32.7	36.2
-80°	5.8	6.1	6.9	7.8	8.7	9.5	10.3	11.0	11.8	13.6	16.3
-82.5°	4.8	5.0	5.3	5.5	5.7	5.9	6.2	6.8	7.4	7.9	8.4
-85°	3.7	4.0	4.2	4.3	4.5	4.6	4.7	4.9	5.0	5.1	5.2
-87.5°	1.8	2.0	2.1	2.3	2.4	2.6	2.7	2.8	2.9	3.1	3.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1212184 (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°	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.9	3.9	3.9
85°	5.3	5.4	5.5	5.6	5.7	5.8	5.8	5.9	6.0	6.0	6.0
82.5°	8.8	9.3	9.7	10.1	10.4	10.7	11.0	11.3	11.5	11.7	11.8
80°	18.9	21.4	23.7	25.8	27.8	29.6	31.2	32.6	33.8	34.9	35.8
77.5°	41.9	48.6	54.8	60.6	66.0	70.8	75.2	79.1	82.5	85.3	87.7
75°	86.2	98.4	119.1	138.3	156.0	172.2	186.7	199.6	210.9	220.4	228.3
72.5°	197.8	223.7	251.3	286.9	319.6	349.5	376.4	400.3	421.2	438.9	453.5
70°	362.8	409.8	453.8	500.3	551.8	598.8	641.1	678.8	711.6	739.5	762.5
67.5°	579.1	651.8	719.9	783.2	855.9	929.3	995.5	1054.4	1105.8	1149.5	1185.4
65°	848.9	960.8	1065.7	1163.3	1253.7	1340.5	1418.8	1488.6	1549.4	1601.2	1643.9
62.5°	1200.6	1328.6	1451.2	1565.5	1671.0	1770.3	1862.5	1944.6	2016.3	2077.4	2127.7
60°	1565.5	1709.1	1851.2	1984.4	2107.5	2221.0	2356.8	2477.8	2583.5	2673.7	2747.9
57.5°	1941.5	2107.5	2278.9	2473.2	2653.0	2817.8	2999.3	3182.4	3342.5	3479.1	3591.6
55°	2356.8	2597.2	2823.6	3093.3	3363.2	3610.8	3841.5	4072.0	4273.8	4446.1	4588.2
52.5°	2857.5	3206.5	3544.0	3869.9	4207.2	4517.1	4798.4	5036.4	5242.6	5418.8	5564.1
50°	3527.7	3931.2	4350.1	4743.0	5091.1	5405.5	5691.3	5944.0	6162.9	6350.2	6504.9
47.5°	4255.9	4732.1	5160.9	5556.9	5923.3	6254.9	6556.7	6847.1	7192.0	7487.5	7731.9
45°	4998.9	5475.8	5925.5	6340.6	6728.0	7221.9	7695.1	8120.1	8367.2	8561.6	8722.5
42.5°	5689.0	6188.9	6660.7	7251.0	7854.7	8318.3	8627.4	8905.7	9106.3	9248.7	9366.7
40°	6349.0	6920.2	7650.5	8274.5	8666.4	9024.6	9249.5	9452.4	9647.4	9849.0	10016.5
37.5°	7079.1	7893.5	8474.4	8920.8	9234.1	9497.7	9788.4	10074.2	10330.7	10642.4	10902.0
35°	7975.1	8575.4	9055.5	9376.6	9709.6	10078.4	10460.1	10899.6	11290.5	11735.4	12135.9
32.5°	8575.4	9090.6	9448.7	9854.4	10276.3	10820.5	11341.5	12000.1	12600.2	13228.6	13848.7
30°	9055.5	9448.7	9903.1	10400.5	11041.2	11756.4	12549.8	13447.0	14370.6	15289.5	16367.4
27.5°	9376.6	9854.4	10400.5	11115.5	11974.1	12895.8	14106.0	15356.1	16950.5	18349.1	20805.0
25°	9709.6	10276.3	11041.2	11974.1	13057.4	14441.9	16187.7	18099.0	21432.4	24619.2	30451.1
22.5°	10078.4	10820.5	11756.4	12895.8	14441.9	16468.8	19045.9	23348.9	30321.3	39409.4	50502.4
20°	10460.1	11341.5	12549.8	14106.0	16187.7	19045.9	23998.9	33879.8	46283.0	65621.3	84346.7
17.5°	10899.6	12000.1	13447.0	15356.1	18099.0	23348.9	33879.8	49979.4	73459.7	104433.0	134513.6
15°	11290.5	12600.2	14370.6	16950.5	21432.4	30321.3	46283.0	73459.7	111322.5	153114.5	196730.9
12.5°	11735.4	13228.6	15289.5	18349.1	24619.2	39409.4	65621.3	104433.0	153114.5	207324.4	256476.8
10°	12135.9	13848.7	16367.4	20805.0	30451.1	50502.4	84346.7	134513.6	196730.9	256476.8	313206.6
7.5°	12452.6	14340.5	17225.3	22773.2	36113.5	62692.5	106391.1	166180.4	233399.5	299324.1	361350.5
5°	12681.9	14697.2	17849.2	24209.4	40264.0	71679.4	122768.7	190352.1	261387.2	332992.1	398557.2
2.5°	12820.6	14913.4	18228.2	25084.1	42799.4	77192.8	132874.7	205390.0	279008.9	353700.6	423020.1
0°	12867.1	14985.9	18355.3	25377.8	43652.4	79051.8	136293.0	210499.5	285037.2	360692.2	431644.4
-2.5°	12820.6	14913.4	18228.2	25084.1	42799.4	77192.8	132874.7	205390.0	279008.9	353700.6	423020.1
-5°	12681.9	14697.2	17849.2	24209.4	40264.0	71679.4	122768.7	190352.1	261387.2	332992.1	398557.2
-7.5°	12452.6	14340.5	17225.3	22773.2	36113.5	62692.5	106391.1	166180.4	233399.5	299324.1	361350.5
-10°	12135.9	13848.7	16367.4	20805.0	30451.1	50502.4	84346.7	134513.6	196730.9	256476.8	313206.6
-12.5°	11735.4	13228.6	15289.5	18349.1	24619.2	39409.4	65621.3	104433.0	153114.5	207324.4	256476.8
-15°	11290.5	12600.2	14370.6	16950.5	21432.4	30321.3	46283.0	73459.7	111322.5	153114.5	196730.9
-17.5°	10899.6	12000.1	13447.0	15356.1	18099.0	23348.9	33879.8	49979.4	73459.7	104433.0	134513.6
-20°	10460.1	11341.5	12549.8	14106.0	16187.7	19045.9	23998.9	33879.8	46283.0	65621.3	84346.7



REPORT NUMBER: P1212184 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-70-3S-HEG

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10078.4	10820.5	11756.4	12895.8	14441.9	16468.8	19045.9	23348.9	30321.3	39409.4	50502.4
-25°	9709.6	10276.3	11041.2	11974.1	13057.4	14441.9	16187.7	18099.0	21432.4	24619.2	30451.1
-27.5°	9376.6	9854.4	10400.5	11115.5	11974.1	12895.8	14106.0	15356.1	16950.5	18349.1	20805.0
-30°	9055.5	9448.7	9903.1	10400.5	11041.2	11756.4	12549.8	13447.0	14370.6	15289.5	16367.4
-32.5°	8575.4	9090.6	9448.7	9854.4	10276.3	10820.5	11341.5	12000.1	12600.2	13228.6	13848.7
-35°	7975.1	8575.4	9055.5	9376.6	9709.6	10078.4	10460.1	10899.6	11290.5	11735.4	12135.9
-37.5°	7079.1	7893.5	8474.4	8920.8	9234.1	9497.7	9788.4	10074.2	10330.7	10642.4	10902.0
-40°	6349.0	6920.2	7650.5	8274.5	8666.4	9024.6	9249.5	9452.4	9647.4	9849.0	10016.5
-42.5°	5689.0	6188.9	6660.7	7251.0	7854.7	8318.3	8627.4	8905.7	9106.3	9248.7	9366.7
-45°	4998.9	5475.8	5925.5	6340.6	6728.0	7221.9	7695.1	8120.1	8367.2	8561.6	8722.5
-47.5°	4255.9	4732.1	5160.9	5556.9	5923.3	6254.9	6556.7	6847.1	7192.0	7487.5	7731.9
-50°	3527.7	3931.2	4350.1	4743.0	5091.1	5405.5	5691.3	5944.0	6162.9	6350.2	6504.9
-52.5°	2857.5	3206.5	3544.0	3869.9	4207.2	4517.1	4798.4	5036.4	5242.6	5418.8	5564.1
-55°	2356.8	2597.2	2823.6	3093.3	3363.2	3610.8	3841.5	4072.0	4273.8	4446.1	4588.2
-57.5°	1941.5	2107.5	2278.9	2473.2	2653.0	2817.8	2999.3	3182.4	3342.5	3479.1	3591.6
-60°	1565.5	1709.1	1851.2	1984.4	2107.5	2221.0	2356.8	2477.8	2583.5	2673.7	2747.9
-62.5°	1200.6	1328.6	1451.2	1565.5	1671.0	1770.3	1862.5	1944.6	2016.3	2077.4	2127.7
-65°	848.9	960.8	1065.7	1163.3	1253.7	1340.5	1418.8	1488.6	1549.4	1601.2	1643.9
-67.5°	579.1	651.8	719.9	783.2	855.9	929.3	995.5	1054.4	1105.8	1149.5	1185.4
-70°	362.8	409.8	453.8	500.3	551.8	598.8	641.1	678.8	711.6	739.5	762.5
-72.5°	197.8	223.7	251.3	286.9	319.6	349.5	376.4	400.3	421.2	438.9	453.5
-75°	86.2	98.4	119.1	138.3	156.0	172.2	186.7	199.6	210.9	220.4	228.3
-77.5°	41.9	48.6	54.8	60.6	66.0	70.8	75.2	79.1	82.5	85.3	87.7
-80°	18.9	21.4	23.7	25.8	27.8	29.6	31.2	32.6	33.8	34.9	35.8
-82.5°	8.8	9.3	9.7	10.1	10.4	10.7	11.0	11.3	11.5	11.7	11.8
-85°	5.3	5.4	5.5	5.6	5.7	5.8	5.8	5.9	6.0	6.0	6.0
-87.5°	3.3	3.4	3.5	3.5	3.6	3.7	3.8	3.8	3.9	3.9	3.9
-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: P1212184 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-70-3S-HEG

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8
85°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.0	6.0	6.0	5.9
82.5°	11.9	12.0	12.1	12.1	12.1	12.0	11.9	11.8	11.7	11.5	11.3
80°	36.4	36.9	37.2	37.3	37.2	36.9	36.4	35.8	34.9	33.8	32.6
77.5°	89.5	90.8	91.6	91.9	91.6	90.8	89.5	87.7	85.3	82.5	79.1
75°	234.4	238.8	241.4	242.3	241.4	238.8	234.4	228.3	220.4	210.9	199.6
72.5°	464.8	473.0	477.9	479.5	477.9	473.0	464.8	453.5	438.9	421.2	400.3
70°	780.4	793.2	800.9	803.5	800.9	793.2	780.4	762.5	739.5	711.6	678.8
67.5°	1213.5	1233.6	1245.7	1249.7	1245.7	1233.6	1213.5	1185.4	1149.5	1105.8	1054.4
65°	1677.1	1701.0	1715.3	1720.1	1715.3	1701.0	1677.1	1643.9	1601.2	1549.4	1488.6
62.5°	2167.0	2195.1	2212.1	2217.7	2212.1	2195.1	2167.0	2127.7	2077.4	2016.3	1944.6
60°	2805.9	2847.5	2872.5	2880.9	2872.5	2847.5	2805.9	2747.9	2673.7	2583.5	2477.8
57.5°	3679.6	3742.7	3780.7	3793.4	3780.7	3742.7	3679.6	3591.6	3479.1	3342.5	3182.4
55°	4699.4	4779.2	4827.2	4843.2	4827.2	4779.2	4699.4	4588.2	4446.1	4273.8	4072.0
52.5°	5678.0	5759.7	5809.0	5825.4	5809.0	5759.7	5678.0	5564.1	5418.8	5242.6	5036.4
50°	6626.2	6713.3	6765.8	6783.3	6765.8	6713.3	6626.2	6504.9	6350.2	6162.9	5944.0
47.5°	7923.6	8061.5	8144.5	8172.3	8144.5	8061.5	7923.6	7731.9	7487.5	7192.0	6847.1
45°	8848.9	8939.9	8994.8	9013.1	8994.8	8939.9	8848.9	8722.5	8561.6	8367.2	8120.1
42.5°	9459.6	9526.5	9566.9	9580.4	9566.9	9526.5	9459.6	9366.7	9248.7	9106.3	8905.7
40°	10148.4	10243.6	10301.1	10320.3	10301.1	10243.6	10148.4	10016.5	9849.0	9647.4	9452.4
37.5°	11106.8	11254.8	11344.3	11374.2	11344.3	11254.8	11106.8	10902.0	10642.4	10330.7	10074.2
35°	12452.6	12681.9	12820.6	12867.1	12820.6	12681.9	12452.6	12135.9	11735.4	11290.5	10899.6
32.5°	14340.5	14697.2	14913.4	14985.9	14913.4	14697.2	14340.5	13848.7	13228.6	12600.2	12000.1
30°	17225.3	17849.2	18228.2	18355.3	18228.2	17849.2	17225.3	16367.4	15289.5	14370.6	13447.0
27.5°	22773.2	24209.4	25084.1	25377.8	25084.1	24209.4	22773.2	20805.0	18349.1	16950.5	15356.1
25°	36113.5	40264.0	42799.4	43652.4	42799.4	40264.0	36113.5	30451.1	24619.2	21432.4	18099.0
22.5°	62692.5	71679.4	77192.8	79051.8	77192.8	71679.4	62692.5	50502.4	39409.4	30321.3	23348.9
20°	106391.1	122768.7	132874.7	136293.0	132874.7	122768.7	106391.1	84346.7	65621.3	46283.0	33879.8
17.5°	166180.4	190352.1	205390.0	210499.5	205390.0	190352.1	166180.4	134513.6	104433.0	73459.7	49979.4
15°	233399.5	261387.2	279008.9	285037.2	279008.9	261387.2	233399.5	196730.9	153114.5	111322.5	73459.7
12.5°	299324.1	332992.1	353700.6	360692.2	353700.6	332992.1	299324.1	256476.8	207324.4	153114.5	104433.0
10°	361350.5	398557.2	423020.1	431644.4	423020.1	398557.2	361350.5	313206.6	256476.8	196730.9	134513.6
7.5°	414903.8	460385.4	489306.5	498503.9	489306.5	460385.4	414903.8	361350.5	299324.1	233399.5	166180.4
5°	460385.4	508385.0	532080.9	539663.5	532080.9	508385.0	460385.4	398557.2	332992.1	261387.2	190352.1
2.5°	489306.5	532080.9	562009.9	578268.8	562009.9	532080.9	489306.5	423020.1	353700.6	279008.9	205390.0
0°	498503.9	539663.5	578268.8	608290.0	578268.8	539663.5	498503.9	431644.4	360692.2	285037.2	210499.5
-2.5°	489306.5	532080.9	562009.9	578268.8	562009.9	532080.9	489306.5	423020.1	353700.6	279008.9	205390.0
-5°	460385.4	508385.0	532080.9	539663.5	532080.9	508385.0	460385.4	398557.2	332992.1	261387.2	190352.1
-7.5°	414903.8	460385.4	489306.5	498503.9	489306.5	460385.4	414903.8	361350.5	299324.1	233399.5	166180.4
-10°	361350.5	398557.2	423020.1	431644.4	423020.1	398557.2	361350.5	313206.6	256476.8	196730.9	134513.6
-12.5°	299324.1	332992.1	353700.6	360692.2	353700.6	332992.1	299324.1	256476.8	207324.4	153114.5	104433.0
-15°	233399.5	261387.2	279008.9	285037.2	279008.9	261387.2	233399.5	196730.9	153114.5	111322.5	73459.7
-17.5°	166180.4	190352.1	205390.0	210499.5	205390.0	190352.1	166180.4	134513.6	104433.0	73459.7	49979.4
-20°	106391.1	122768.7	132874.7	136293.0	132874.7	122768.7	106391.1	84346.7	65621.3	46283.0	33879.8



REPORT NUMBER: P1212184 (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°	62692.5	71679.4	77192.8	79051.8	77192.8	71679.4	62692.5	50502.4	39409.4	30321.3	23348.9
-25°	36113.5	40264.0	42799.4	43652.4	42799.4	40264.0	36113.5	30451.1	24619.2	21432.4	18099.0
-27.5°	22773.2	24209.4	25084.1	25377.8	25084.1	24209.4	22773.2	20805.0	18349.1	16950.5	15356.1
-30°	17225.3	17849.2	18228.2	18355.3	18228.2	17849.2	17225.3	16367.4	15289.5	14370.6	13447.0
-32.5°	14340.5	14697.2	14913.4	14985.9	14913.4	14697.2	14340.5	13848.7	13228.6	12600.2	12000.1
-35°	12452.6	12681.9	12820.6	12867.1	12820.6	12681.9	12452.6	12135.9	11735.4	11290.5	10899.6
-37.5°	11106.8	11254.8	11344.3	11374.2	11344.3	11254.8	11106.8	10902.0	10642.4	10330.7	10074.2
-40°	10148.4	10243.6	10301.1	10320.3	10301.1	10243.6	10148.4	10016.5	9849.0	9647.4	9452.4
-42.5°	9459.6	9526.5	9566.9	9580.4	9566.9	9526.5	9459.6	9366.7	9248.7	9106.3	8905.7
-45°	8848.9	8939.9	8994.8	9013.1	8994.8	8939.9	8848.9	8722.5	8561.6	8367.2	8120.1
-47.5°	7923.6	8061.5	8144.5	8172.3	8144.5	8061.5	7923.6	7731.9	7487.5	7192.0	6847.1
-50°	6626.2	6713.3	6765.8	6783.3	6765.8	6713.3	6626.2	6504.9	6350.2	6162.9	5944.0
-52.5°	5678.0	5759.7	5809.0	5825.4	5809.0	5759.7	5678.0	5564.1	5418.8	5242.6	5036.4
-55°	4699.4	4779.2	4827.2	4843.2	4827.2	4779.2	4699.4	4588.2	4446.1	4273.8	4072.0
-57.5°	3679.6	3742.7	3780.7	3793.4	3780.7	3742.7	3679.6	3591.6	3479.1	3342.5	3182.4
-60°	2805.9	2847.5	2872.5	2880.9	2872.5	2847.5	2805.9	2747.9	2673.7	2583.5	2477.8
-62.5°	2167.0	2195.1	2212.1	2217.7	2212.1	2195.1	2167.0	2127.7	2077.4	2016.3	1944.6
-65°	1677.1	1701.0	1715.3	1720.1	1715.3	1701.0	1677.1	1643.9	1601.2	1549.4	1488.6
-67.5°	1213.5	1233.6	1245.7	1249.7	1245.7	1233.6	1213.5	1185.4	1149.5	1105.8	1054.4
-70°	780.4	793.2	800.9	803.5	800.9	793.2	780.4	762.5	739.5	711.6	678.8
-72.5°	464.8	473.0	477.9	479.5	477.9	473.0	464.8	453.5	438.9	421.2	400.3
-75°	234.4	238.8	241.4	242.3	241.4	238.8	234.4	228.3	220.4	210.9	199.6
-77.5°	89.5	90.8	91.6	91.9	91.6	90.8	89.5	87.7	85.3	82.5	79.1
-80°	36.4	36.9	37.2	37.3	37.2	36.9	36.4	35.8	34.9	33.8	32.6
-82.5°	11.9	12.0	12.1	12.1	12.1	12.0	11.9	11.8	11.7	11.5	11.3
-85°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	6.0	6.0	6.0	5.9
-87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9	3.9	3.9	3.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	2.9	2.8
85°	5.8	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.9
82.5°	11.0	10.7	10.4	10.1	9.7	9.3	8.8	8.4	7.9	7.4	6.8
80°	31.2	29.6	27.8	25.8	23.7	21.4	18.9	16.3	13.6	11.8	11.0
77.5°	75.2	70.8	66.0	60.6	54.8	48.6	41.9	36.2	32.7	29.1	25.2
75°	186.7	172.2	156.0	138.3	119.1	98.4	86.2	77.7	68.7	59.2	49.2
72.5°	376.4	349.5	319.6	286.9	251.3	223.7	197.8	170.2	141.1	110.5	87.0
70°	641.1	598.8	551.8	500.3	453.8	409.8	362.8	312.9	260.2	218.6	181.9
67.5°	995.5	929.3	855.9	783.2	719.9	651.8	579.1	502.1	436.5	374.0	308.7
65°	1418.8	1340.5	1253.7	1163.3	1065.7	960.8	848.9	750.4	659.6	564.4	468.8
62.5°	1862.5	1770.3	1671.0	1565.5	1451.2	1328.6	1200.6	1069.3	931.1	791.0	681.3
60°	2356.8	2221.0	2107.5	1984.4	1851.2	1709.1	1565.5	1413.5	1253.7	1094.7	929.3
57.5°	2999.3	2817.8	2653.0	2473.2	2278.9	2107.5	1941.5	1766.1	1589.3	1407.2	1219.2
55°	3841.5	3610.8	3363.2	3093.3	2823.6	2597.2	2356.8	2131.7	1932.0	1723.5	1518.3
52.5°	4798.4	4517.1	4207.2	3869.9	3544.0	3206.5	2857.5	2583.5	2296.5	2052.2	1819.0
50°	5691.3	5405.5	5091.1	4743.0	4350.1	3931.2	3527.7	3122.2	2747.9	2426.9	2125.0
47.5°	6556.7	6254.9	5923.3	5556.9	5160.9	4732.1	4255.9	3760.7	3306.8	2847.5	2492.6
45°	7695.1	7221.9	6728.0	6340.6	5925.5	5475.8	4998.9	4475.3	3918.4	3399.8	2880.9
42.5°	8627.4	8318.3	7854.7	7251.0	6660.7	6188.9	5689.0	5156.5	4586.0	3972.9	3399.8
40°	9249.5	9024.6	8666.4	8274.5	7650.5	6920.2	6349.0	5796.5	5209.3	4586.0	3918.4
37.5°	9788.4	9497.7	9234.1	8920.8	8474.4	7893.5	7079.1	6402.7	5796.5	5156.5	4475.3
35°	10460.1	10078.4	9709.6	9376.6	9055.5	8575.4	7975.1	7079.1	6349.0	5689.0	4998.9
32.5°	11341.5	10820.5	10276.3	9854.4	9448.7	9090.6	8575.4	7893.5	6920.2	6188.9	5475.8
30°	12549.8	11756.4	11041.2	10400.5	9903.1	9448.7	9055.5	8474.4	7650.5	6660.7	5925.5
27.5°	14106.0	12895.8	11974.1	11115.5	10400.5	9854.4	9376.6	8920.8	8274.5	7251.0	6340.6
25°	16187.7	14441.9	13057.4	11974.1	11041.2	10276.3	9709.6	9234.1	8666.4	7854.7	6728.0
22.5°	19045.9	16468.8	14441.9	12895.8	11756.4	10820.5	10078.4	9497.7	9024.6	8318.3	7221.9
20°	23998.9	19045.9	16187.7	14106.0	12549.8	11341.5	10460.1	9788.4	9249.5	8627.4	7695.1
17.5°	33879.8	23348.9	18099.0	15356.1	13447.0	12000.1	10899.6	10074.2	9452.4	8905.7	8120.1
15°	46283.0	30321.3	21432.4	16950.5	14370.6	12600.2	11290.5	10330.7	9647.4	9106.3	8367.2
12.5°	65621.3	39409.4	24619.2	18349.1	15289.5	13228.6	11735.4	10642.4	9849.0	9248.7	8561.6
10°	84346.7	50502.4	30451.1	20805.0	16367.4	13848.7	12135.9	10902.0	10016.5	9366.7	8722.5
7.5°	106391.1	62692.5	36113.5	22773.2	17225.3	14340.5	12452.6	11106.8	10148.4	9459.6	8848.9
5°	122768.7	71679.4	40264.0	24209.4	17849.2	14697.2	12681.9	11254.8	10243.6	9526.5	8939.9
2.5°	132874.7	77192.8	42799.4	25084.1	18228.2	14913.4	12820.6	11344.3	10301.1	9566.9	8994.8
0°	136293.0	79051.8	43652.4	25377.8	18355.3	14985.9	12867.1	11374.2	10320.3	9580.4	9013.1
-2.5°	132874.7	77192.8	42799.4	25084.1	18228.2	14913.4	12820.6	11344.3	10301.1	9566.9	8994.8
-5°	122768.7	71679.4	40264.0	24209.4	17849.2	14697.2	12681.9	11254.8	10243.6	9526.5	8939.9
-7.5°	106391.1	62692.5	36113.5	22773.2	17225.3	14340.5	12452.6	11106.8	10148.4	9459.6	8848.9
-10°	84346.7	50502.4	30451.1	20805.0	16367.4	13848.7	12135.9	10902.0	10016.5	9366.7	8722.5
-12.5°	65621.3	39409.4	24619.2	18349.1	15289.5	13228.6	11735.4	10642.4	9849.0	9248.7	8561.6
-15°	46283.0	30321.3	21432.4	16950.5	14370.6	12600.2	11290.5	10330.7	9647.4	9106.3	8367.2
-17.5°	33879.8	23348.9	18099.0	15356.1	13447.0	12000.1	10899.6	10074.2	9452.4	8905.7	8120.1
-20°	23998.9	19045.9	16187.7	14106.0	12549.8	11341.5	10460.1	9788.4	9249.5	8627.4	7695.1



REPORT NUMBER: P1212184 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-70-3S-HEG

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	19045.9	16468.8	14441.9	12895.8	11756.4	10820.5	10078.4	9497.7	9024.6	8318.3	7221.9
-25°	16187.7	14441.9	13057.4	11974.1	11041.2	10276.3	9709.6	9234.1	8666.4	7854.7	6728.0
-27.5°	14106.0	12895.8	11974.1	11115.5	10400.5	9854.4	9376.6	8920.8	8274.5	7251.0	6340.6
-30°	12549.8	11756.4	11041.2	10400.5	9903.1	9448.7	9055.5	8474.4	7650.5	6660.7	5925.5
-32.5°	11341.5	10820.5	10276.3	9854.4	9448.7	9090.6	8575.4	7893.5	6920.2	6188.9	5475.8
-35°	10460.1	10078.4	9709.6	9376.6	9055.5	8575.4	7975.1	7079.1	6349.0	5689.0	4998.9
-37.5°	9788.4	9497.7	9234.1	8920.8	8474.4	7893.5	7079.1	6402.7	5796.5	5156.5	4475.3
-40°	9249.5	9024.6	8666.4	8274.5	7650.5	6920.2	6349.0	5796.5	5209.3	4586.0	3918.4
-42.5°	8627.4	8318.3	7854.7	7251.0	6660.7	6188.9	5689.0	5156.5	4586.0	3972.9	3399.8
-45°	7695.1	7221.9	6728.0	6340.6	5925.5	5475.8	4998.9	4475.3	3918.4	3399.8	2880.9
-47.5°	6556.7	6254.9	5923.3	5556.9	5160.9	4732.1	4255.9	3760.7	3306.8	2847.5	2492.6
-50°	5691.3	5405.5	5091.1	4743.0	4350.1	3931.2	3527.7	3122.2	2747.9	2426.9	2125.0
-52.5°	4798.4	4517.1	4207.2	3869.9	3544.0	3206.5	2857.5	2583.5	2296.5	2052.2	1819.0
-55°	3841.5	3610.8	3363.2	3093.3	2823.6	2597.2	2356.8	2131.7	1932.0	1723.5	1518.3
-57.5°	2999.3	2817.8	2653.0	2473.2	2278.9	2107.5	1941.5	1766.1	1589.3	1407.2	1219.2
-60°	2356.8	2221.0	2107.5	1984.4	1851.2	1709.1	1565.5	1413.5	1253.7	1094.7	929.3
-62.5°	1862.5	1770.3	1671.0	1565.5	1451.2	1328.6	1200.6	1069.3	931.1	791.0	681.3
-65°	1418.8	1340.5	1253.7	1163.3	1065.7	960.8	848.9	750.4	659.6	564.4	468.8
-67.5°	995.5	929.3	855.9	783.2	719.9	651.8	579.1	502.1	436.5	374.0	308.7
-70°	641.1	598.8	551.8	500.3	453.8	409.8	362.8	312.9	260.2	218.6	181.9
-72.5°	376.4	349.5	319.6	286.9	251.3	223.7	197.8	170.2	141.1	110.5	87.0
-75°	186.7	172.2	156.0	138.3	119.1	98.4	86.2	77.7	68.7	59.2	49.2
-77.5°	75.2	70.8	66.0	60.6	54.8	48.6	41.9	36.2	32.7	29.1	25.2
-80°	31.2	29.6	27.8	25.8	23.7	21.4	18.9	16.3	13.6	11.8	11.0
-82.5°	11.0	10.7	10.4	10.1	9.7	9.3	8.8	8.4	7.9	7.4	6.8
-85°	5.8	5.8	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.9
-87.5°	3.8	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	2.9	2.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1212184 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-70-3S-HEG

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.2
85°	4.7	4.6	4.5	4.3	4.2	4.0	3.7	3.4	3.1	2.7	2.4
82.5°	6.2	5.9	5.7	5.5	5.3	5.0	4.8	4.6	4.3	4.0	3.6
80°	10.3	9.5	8.7	7.8	6.9	6.1	5.8	5.4	5.1	4.8	4.4
77.5°	21.3	17.1	12.8	11.2	10.1	9.0	7.9	6.7	5.9	5.5	5.0
75°	38.8	33.0	27.9	22.6	17.1	11.9	10.6	9.2	7.7	6.3	5.6
72.5°	74.9	62.3	49.3	36.6	30.2	23.7	17.0	11.6	10.0	8.3	6.6
70°	143.6	103.9	81.4	66.0	50.2	35.8	28.1	20.3	12.3	10.2	8.3
67.5°	241.3	196.6	150.3	102.7	78.0	59.8	41.2	30.3	21.4	12.3	10.0
65°	393.1	314.7	236.8	183.9	129.5	85.3	64.7	43.6	30.3	20.3	11.6
62.5°	567.2	457.3	368.1	276.3	204.1	142.9	87.8	64.7	41.2	28.1	17.0
60°	770.1	641.1	508.1	400.3	297.7	210.9	142.9	85.3	59.8	35.8	23.7
57.5°	1032.7	840.0	685.8	537.8	411.1	297.7	204.1	129.5	78.0	50.2	30.2
55°	1306.0	1095.3	881.4	700.8	537.8	400.3	276.3	183.9	102.7	66.0	36.6
52.5°	1585.5	1350.5	1116.2	881.4	685.8	508.1	368.1	236.8	150.3	81.4	49.3
50°	1867.0	1608.1	1350.5	1095.3	840.0	641.1	457.3	314.7	196.6	103.9	62.3
47.5°	2149.3	1867.0	1585.5	1306.0	1032.7	770.1	567.2	393.1	241.3	143.6	74.9
45°	2492.6	2125.0	1819.0	1518.3	1219.2	929.3	681.3	468.8	308.7	181.9	87.0
42.5°	2847.5	2426.9	2052.2	1723.5	1407.2	1094.7	791.0	564.4	374.0	218.6	110.5
40°	3306.8	2747.9	2296.5	1932.0	1589.3	1253.7	931.1	659.6	436.5	260.2	141.1
37.5°	3760.7	3122.2	2583.5	2131.7	1766.1	1413.5	1069.3	750.4	502.1	312.9	170.2
35°	4255.9	3527.7	2857.5	2356.8	1941.5	1565.5	1200.6	848.9	579.1	362.8	197.8
32.5°	4732.1	3931.2	3206.5	2597.2	2107.5	1709.1	1328.6	960.8	651.8	409.8	223.7
30°	5160.9	4350.1	3544.0	2823.6	2278.9	1851.2	1451.2	1065.7	719.9	453.8	251.3
27.5°	5556.9	4743.0	3869.9	3093.3	2473.2	1984.4	1565.5	1163.3	783.2	500.3	286.9
25°	5923.3	5091.1	4207.2	3363.2	2653.0	2107.5	1671.0	1253.7	855.9	551.8	319.6
22.5°	6254.9	5405.5	4517.1	3610.8	2817.8	2221.0	1770.3	1340.5	929.3	598.8	349.5
20°	6556.7	5691.3	4798.4	3841.5	2999.3	2356.8	1862.5	1418.8	995.5	641.1	376.4
17.5°	6847.1	5944.0	5036.4	4072.0	3182.4	2477.8	1944.6	1488.6	1054.4	678.8	400.3
15°	7192.0	6162.9	5242.6	4273.8	3342.5	2583.5	2016.3	1549.4	1105.8	711.6	421.2
12.5°	7487.5	6350.2	5418.8	4446.1	3479.1	2673.7	2077.4	1601.2	1149.5	739.5	438.9
10°	7731.9	6504.9	5564.1	4588.2	3591.6	2747.9	2127.7	1643.9	1185.4	762.5	453.5
7.5°	7923.6	6626.2	5678.0	4699.4	3679.6	2805.9	2167.0	1677.1	1213.5	780.4	464.8
5°	8061.5	6713.3	5759.7	4779.2	3742.7	2847.5	2195.1	1701.0	1233.6	793.2	473.0
2.5°	8144.5	6765.8	5809.0	4827.2	3780.7	2872.5	2212.1	1715.3	1245.7	800.9	477.9
0°	8172.3	6783.3	5825.4	4843.2	3793.4	2880.9	2217.7	1720.1	1249.7	803.5	479.5
-2.5°	8144.5	6765.8	5809.0	4827.2	3780.7	2872.5	2212.1	1715.3	1245.7	800.9	477.9
-5°	8061.5	6713.3	5759.7	4779.2	3742.7	2847.5	2195.1	1701.0	1233.6	793.2	473.0
-7.5°	7923.6	6626.2	5678.0	4699.4	3679.6	2805.9	2167.0	1677.1	1213.5	780.4	464.8
-10°	7731.9	6504.9	5564.1	4588.2	3591.6	2747.9	2127.7	1643.9	1185.4	762.5	453.5
-12.5°	7487.5	6350.2	5418.8	4446.1	3479.1	2673.7	2077.4	1601.2	1149.5	739.5	438.9
-15°	7192.0	6162.9	5242.6	4273.8	3342.5	2583.5	2016.3	1549.4	1105.8	711.6	421.2
-17.5°	6847.1	5944.0	5036.4	4072.0	3182.4	2477.8	1944.6	1488.6	1054.4	678.8	400.3
-20°	6556.7	5691.3	4798.4	3841.5	2999.3	2356.8	1862.5	1418.8	995.5	641.1	376.4



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	6254.9	5405.5	4517.1	3610.8	2817.8	2221.0	1770.3	1340.5	929.3	598.8	349.5
-25°	5923.3	5091.1	4207.2	3363.2	2653.0	2107.5	1671.0	1253.7	855.9	551.8	319.6
-27.5°	5556.9	4743.0	3869.9	3093.3	2473.2	1984.4	1565.5	1163.3	783.2	500.3	286.9
-30°	5160.9	4350.1	3544.0	2823.6	2278.9	1851.2	1451.2	1065.7	719.9	453.8	251.3
-32.5°	4732.1	3931.2	3206.5	2597.2	2107.5	1709.1	1328.6	960.8	651.8	409.8	223.7
-35°	4255.9	3527.7	2857.5	2356.8	1941.5	1565.5	1200.6	848.9	579.1	362.8	197.8
-37.5°	3760.7	3122.2	2583.5	2131.7	1766.1	1413.5	1069.3	750.4	502.1	312.9	170.2
-40°	3306.8	2747.9	2296.5	1932.0	1589.3	1253.7	931.1	659.6	436.5	260.2	141.1
-42.5°	2847.5	2426.9	2052.2	1723.5	1407.2	1094.7	791.0	564.4	374.0	218.6	110.5
-45°	2492.6	2125.0	1819.0	1518.3	1219.2	929.3	681.3	468.8	308.7	181.9	87.0
-47.5°	2149.3	1867.0	1585.5	1306.0	1032.7	770.1	567.2	393.1	241.3	143.6	74.9
-50°	1867.0	1608.1	1350.5	1095.3	840.0	641.1	457.3	314.7	196.6	103.9	62.3
-52.5°	1585.5	1350.5	1116.2	881.4	685.8	508.1	368.1	236.8	150.3	81.4	49.3
-55°	1306.0	1095.3	881.4	700.8	537.8	400.3	276.3	183.9	102.7	66.0	36.6
-57.5°	1032.7	840.0	685.8	537.8	411.1	297.7	204.1	129.5	78.0	50.2	30.2
-60°	770.1	641.1	508.1	400.3	297.7	210.9	142.9	85.3	59.8	35.8	23.7
-62.5°	567.2	457.3	368.1	276.3	204.1	142.9	87.8	64.7	41.2	28.1	17.0
-65°	393.1	314.7	236.8	183.9	129.5	85.3	64.7	43.6	30.3	20.3	11.6
-67.5°	241.3	196.6	150.3	102.7	78.0	59.8	41.2	30.3	21.4	12.3	10.0
-70°	143.6	103.9	81.4	66.0	50.2	35.8	28.1	20.3	12.3	10.2	8.3
-72.5°	74.9	62.3	49.3	36.6	30.2	23.7	17.0	11.6	10.0	8.3	6.6
-75°	38.8	33.0	27.9	22.6	17.1	11.9	10.6	9.2	7.7	6.3	5.6
-77.5°	21.3	17.1	12.8	11.2	10.1	9.0	7.9	6.7	5.9	5.5	5.0
-80°	10.3	9.5	8.7	7.8	6.9	6.1	5.8	5.4	5.1	4.8	4.4
-82.5°	6.2	5.9	5.7	5.5	5.3	5.0	4.8	4.6	4.3	4.0	3.6
-85°	4.7	4.6	4.5	4.3	4.2	4.0	3.7	3.4	3.1	2.7	2.4
-87.5°	2.7	2.6	2.4	2.3	2.1	2.0	1.8	1.7	1.5	1.4	1.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
85°	2.1	1.7	1.4	1.0	0.7	0.3	0.0
82.5°	3.1	2.6	2.1	1.6	1.0	0.5	0.0
80°	4.1	3.4	2.8	2.1	1.4	0.7	0.0
77.5°	4.6	4.2	3.4	2.6	1.7	0.9	0.0
75°	5.1	4.6	4.1	3.1	2.1	1.0	0.0
72.5°	5.6	5.0	4.4	3.6	2.4	1.2	0.0
70°	6.3	5.5	4.8	4.0	2.7	1.4	0.0
67.5°	7.7	5.9	5.1	4.3	3.1	1.5	0.0
65°	9.2	6.7	5.4	4.6	3.4	1.7	0.0
62.5°	10.6	7.9	5.8	4.8	3.7	1.8	0.0
60°	11.9	9.0	6.1	5.0	4.0	2.0	0.0
57.5°	17.1	10.1	6.9	5.3	4.2	2.1	0.0
55°	22.6	11.2	7.8	5.5	4.3	2.3	0.0
52.5°	27.9	12.8	8.7	5.7	4.5	2.4	0.0
50°	33.0	17.1	9.5	5.9	4.6	2.6	0.0
47.5°	38.8	21.3	10.3	6.2	4.7	2.7	0.0
45°	49.2	25.2	11.0	6.8	4.9	2.8	0.0
42.5°	59.2	29.1	11.8	7.4	5.0	2.9	0.0
40°	68.7	32.7	13.6	7.9	5.1	3.1	0.0
37.5°	77.7	36.2	16.3	8.4	5.2	3.2	0.0
35°	86.2	41.9	18.9	8.8	5.3	3.3	0.0
32.5°	98.4	48.6	21.4	9.3	5.4	3.4	0.0
30°	119.1	54.8	23.7	9.7	5.5	3.5	0.0
27.5°	138.3	60.6	25.8	10.1	5.6	3.5	0.0
25°	156.0	66.0	27.8	10.4	5.7	3.6	0.0
22.5°	172.2	70.8	29.6	10.7	5.8	3.7	0.0
20°	186.7	75.2	31.2	11.0	5.8	3.8	0.0
17.5°	199.6	79.1	32.6	11.3	5.9	3.8	0.0
15°	210.9	82.5	33.8	11.5	6.0	3.9	0.0
12.5°	220.4	85.3	34.9	11.7	6.0	3.9	0.0
10°	228.3	87.7	35.8	11.8	6.0	3.9	0.0
7.5°	234.4	89.5	36.4	11.9	6.1	4.0	0.0
5°	238.8	90.8	36.9	12.0	6.1	4.0	0.0
2.5°	241.4	91.6	37.2	12.1	6.1	4.0	0.0
0°	242.3	91.9	37.3	12.1	6.1	4.0	0.0
-2.5°	241.4	91.6	37.2	12.1	6.1	4.0	0.0
-5°	238.8	90.8	36.9	12.0	6.1	4.0	0.0
-7.5°	234.4	89.5	36.4	11.9	6.1	4.0	0.0
-10°	228.3	87.7	35.8	11.8	6.0	3.9	0.0
-12.5°	220.4	85.3	34.9	11.7	6.0	3.9	0.0
-15°	210.9	82.5	33.8	11.5	6.0	3.9	0.0
-17.5°	199.6	79.1	32.6	11.3	5.9	3.8	0.0
-20°	186.7	75.2	31.2	11.0	5.8	3.8	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	172.2	70.8	29.6	10.7	5.8	3.7	0.0
-25°	156.0	66.0	27.8	10.4	5.7	3.6	0.0
-27.5°	138.3	60.6	25.8	10.1	5.6	3.5	0.0
-30°	119.1	54.8	23.7	9.7	5.5	3.5	0.0
-32.5°	98.4	48.6	21.4	9.3	5.4	3.4	0.0
-35°	86.2	41.9	18.9	8.8	5.3	3.3	0.0
-37.5°	77.7	36.2	16.3	8.4	5.2	3.2	0.0
-40°	68.7	32.7	13.6	7.9	5.1	3.1	0.0
-42.5°	59.2	29.1	11.8	7.4	5.0	2.9	0.0
-45°	49.2	25.2	11.0	6.8	4.9	2.8	0.0
-47.5°	38.8	21.3	10.3	6.2	4.7	2.7	0.0
-50°	33.0	17.1	9.5	5.9	4.6	2.6	0.0
-52.5°	27.9	12.8	8.7	5.7	4.5	2.4	0.0
-55°	22.6	11.2	7.8	5.5	4.3	2.3	0.0
-57.5°	17.1	10.1	6.9	5.3	4.2	2.1	0.0
-60°	11.9	9.0	6.1	5.0	4.0	2.0	0.0
-62.5°	10.6	7.9	5.8	4.8	3.7	1.8	0.0
-65°	9.2	6.7	5.4	4.6	3.4	1.7	0.0
-67.5°	7.7	5.9	5.1	4.3	3.1	1.5	0.0
-70°	6.3	5.5	4.8	4.0	2.7	1.4	0.0
-72.5°	5.6	5.0	4.4	3.6	2.4	1.2	0.0
-75°	5.1	4.6	4.1	3.1	2.1	1.0	0.0
-77.5°	4.6	4.2	3.4	2.6	1.7	0.9	0.0
-80°	4.1	3.4	2.8	2.1	1.4	0.7	0.0
-82.5°	3.1	2.6	2.1	1.6	1.0	0.5	0.0
-85°	2.1	1.7	1.4	1.0	0.7	0.3	0.0
-87.5°	1.0	0.9	0.7	0.5	0.3	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)