

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

(formerly Eaton)

Brand: EPHESUS

Report Number: P1305418 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680R-40-70-7F-HEG-A**

Issue Date: 2/3/2026

**Test Information**

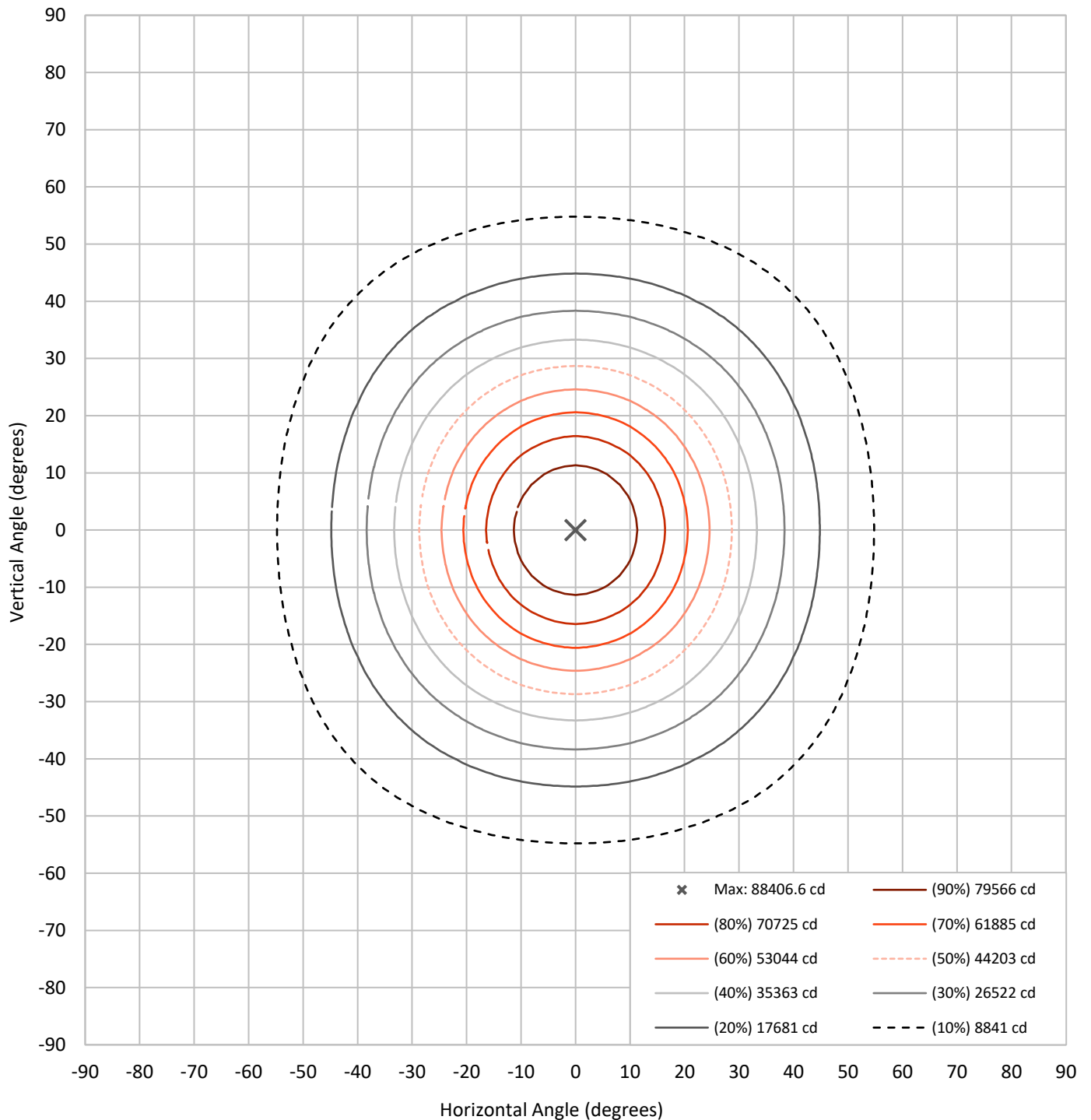
Test Method: LM-79-08  
Report Number: P1305418 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-680R-40-70-7F-HEG-A  
Description: EPHEBUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 70 CRI LEDS AND 7F BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	99749.5 lumens	Max Intensity:	88406.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	145.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	57.4°H x 57.4°V	Field Angle (10%):	109.4°H x 109.4°V
Beam Lumens:	49126.6 lumens	Field Lumens:	90494.3 lumens
Beam Efficiency:	49.2%	Field Efficiency:	90.7%
Input Watts (W):	688		
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





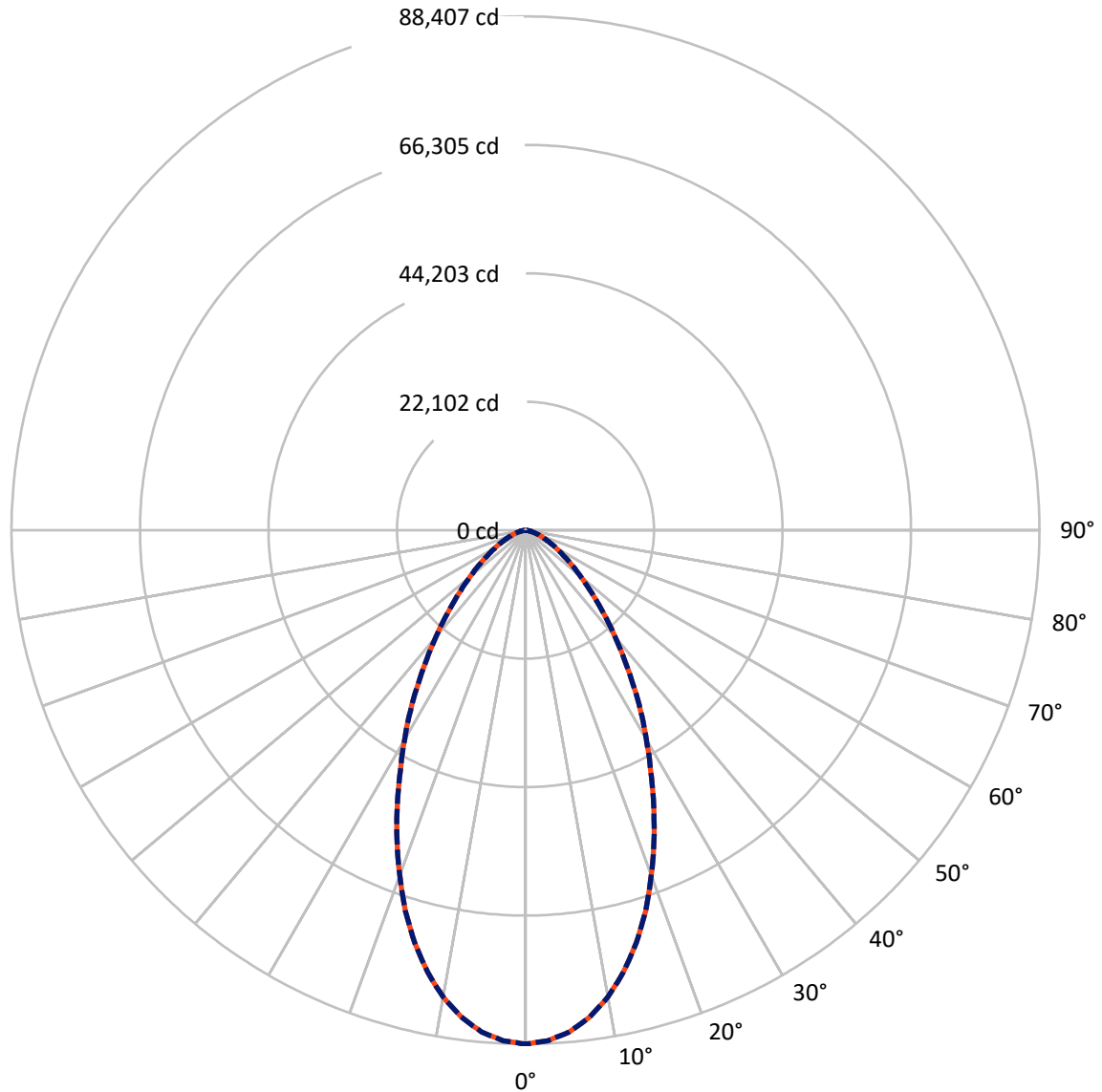
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### Lumen Table

90																			
80	1.2	13.5		45.7		83.8		100.4		83.8		45.7		13.5		1.2			
70																			
60	6.5	8.8	22.0	41.7	65.5	90.0	110.5	121.9	121.9	110.5	90.0	65.5	41.7	22.0	8.8	6.5			
50		16.4	41.4	79.4	129.1	184.7	234.8	264.4	264.4	234.8	184.7	129.1	79.4	41.4	16.4				
40	15.1	25.3	64.8	130.3	226.0	343.5	456.5	526.8	526.8	456.5	343.5	226.0	130.3	64.8	25.3	15.1			
30		34.5	91.2	195.8	363.7	586.7	813.5	959.7	959.7	813.5	586.7	363.7	195.8	91.2	34.5				
20	22.9	42.9	118.2	269.6	531.6	899.9	1285.1	1541.7	1541.7	1285.1	899.9	531.6	269.6	118.2	42.9	22.9			
10		49.5	141.3	336.8	692.9	1207.8	1773.2	2154.5	2154.5	1773.2	1207.8	692.9	336.8	141.3	49.5				
0	25.9	53.0	154.3	377.2	793.2	1406.2	2090.7	2536.6	2536.6	2090.7	1406.2	793.2	377.2	154.3	53.0	25.9			
-10		53.0	154.3	377.2	793.2	1406.2	2090.7	2536.6	2536.6	2090.7	1406.2	793.2	377.2	154.3	53.0				
-20	22.9	49.5	141.3	336.8	692.9	1207.8	1773.2	2154.5	2154.5	1773.2	1207.8	692.9	336.8	141.3	49.5	22.9			
-30		42.9	118.2	269.6	531.6	899.9	1285.1	1541.7	1541.7	1285.1	899.9	531.6	269.6	118.2	42.9				
-40	15.1	34.5	91.2	195.8	363.7	586.7	813.5	959.7	959.7	813.5	586.7	363.7	195.8	91.2	34.5	15.1			
-50		25.3	64.8	130.3	226.0	343.5	456.5	526.8	526.8	456.5	343.5	226.0	130.3	64.8	25.3				
-60	6.5	16.4	41.4	79.4	129.1	184.7	234.8	264.4	264.4	234.8	184.7	129.1	79.4	41.4	16.4	6.5			
-70		8.8	22.0	41.7	65.5	90.0	110.5	121.9	121.9	110.5	90.0	65.5	41.7	22.0	8.8				
-80	1.2	13.5		45.7		83.8		100.4		83.8		45.7		13.5		1.2			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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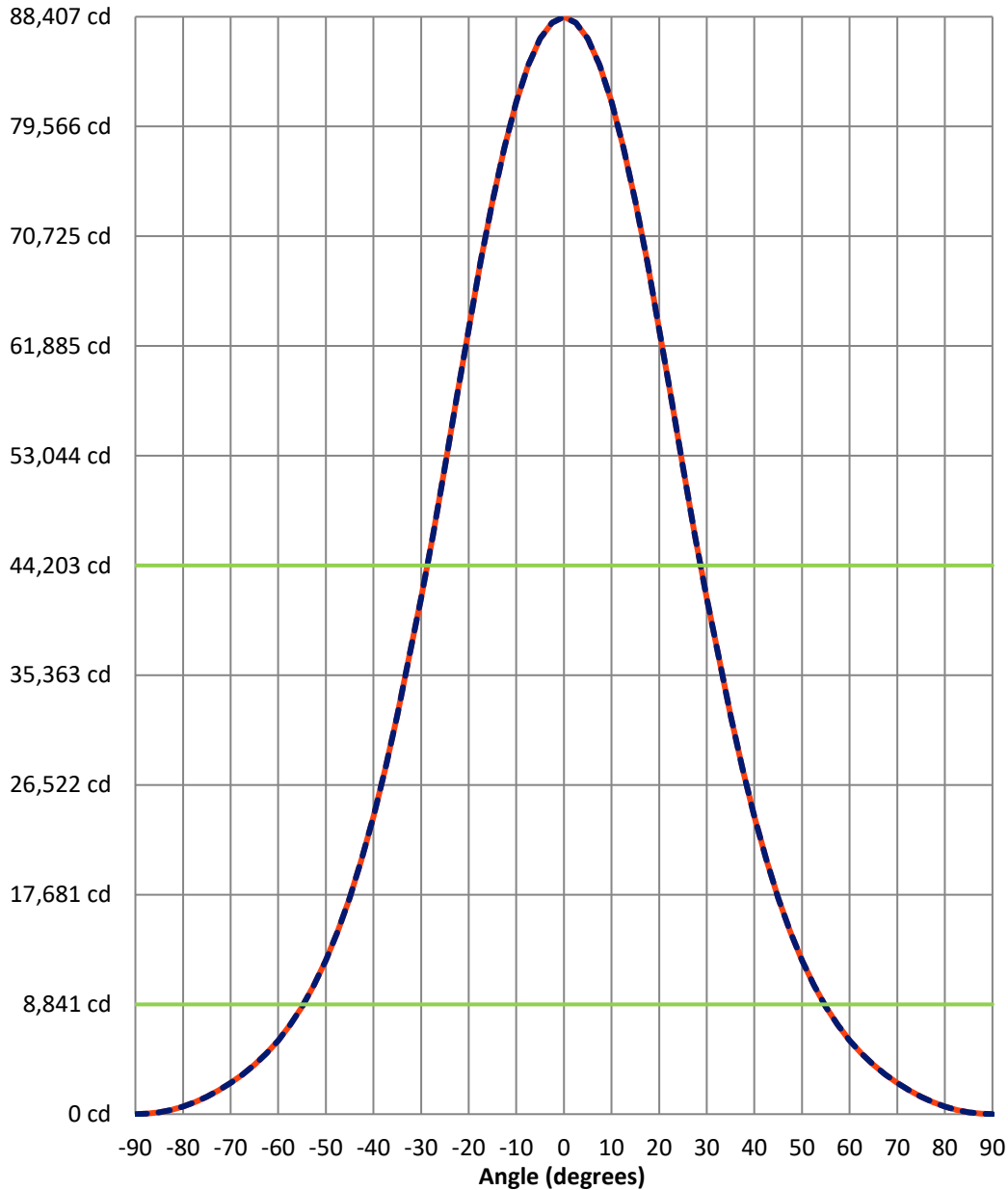
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 0-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 57.4°  
 V Angle: 57.4°  
 Lumens: 49126.6  
 Efficiency: 49.2%

**Field:**  
 H Angle: 109.4°  
 V Angle: 109.4°  
 Lumens: 90494.3  
 Efficiency: 90.7%

**Spill:**  
 Lumens: 9255.2  
 Efficiency: 9.3%

— 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	2.0	3.9	5.9	7.8	9.7	11.6	13.5	15.4	17.2	19.0
85°	0.0	3.9	7.8	11.7	15.6	19.4	23.2	27.0	30.7	34.3	37.9
82.5°	0.0	5.9	11.7	17.5	23.3	29.1	34.8	40.4	47.3	59.8	72.1
80°	0.0	7.8	15.6	23.3	31.0	38.7	48.0	65.1	82.0	98.6	115.0
77.5°	0.0	9.7	19.4	29.1	38.7	52.5	74.1	95.4	116.5	137.2	166.0
75°	0.0	11.6	23.2	34.8	48.0	74.1	99.9	125.4	153.3	198.6	243.1
72.5°	0.0	13.5	27.0	40.4	65.1	95.4	125.4	161.5	215.0	267.7	319.5
70°	0.0	15.4	30.7	47.3	82.0	116.5	153.3	215.0	275.9	336.7	424.2
67.5°	0.0	17.2	34.3	59.8	98.6	137.2	198.6	267.7	336.7	436.4	534.6
65°	0.0	19.0	37.9	72.1	115.0	166.0	243.1	319.5	424.2	534.6	652.4
62.5°	0.0	20.7	41.4	84.1	131.0	202.4	286.8	387.7	510.1	636.6	789.7
60°	0.0	22.4	44.9	95.8	146.6	238.1	329.6	461.5	594.3	758.1	924.4
57.5°	0.0	24.1	52.4	107.3	173.8	272.9	389.1	533.5	695.2	877.0	1076.0
55°	0.0	25.7	59.9	118.4	201.0	306.8	449.3	603.8	798.3	998.6	1233.3
52.5°	0.0	27.3	67.1	129.3	227.3	342.3	507.8	689.3	898.6	1136.4	1386.4
50°	0.0	28.9	74.1	139.7	252.8	389.5	564.4	774.3	1002.1	1270.1	1561.5
47.5°	0.0	30.3	80.8	151.8	277.3	435.0	621.3	856.4	1116.9	1399.5	1734.0
45°	0.0	31.7	87.3	169.5	301.0	478.8	688.9	935.5	1227.6	1548.4	1900.4
42.5°	0.0	33.1	93.5	186.5	323.6	520.7	753.8	1021.1	1333.8	1691.9	2079.2
40°	0.0	34.4	99.4	202.6	350.4	560.8	815.7	1109.6	1441.8	1829.3	2253.6
37.5°	0.0	35.6	105.0	218.0	380.8	598.8	874.6	1193.9	1557.6	1965.1	2419.8
35°	0.0	36.8	110.3	232.5	409.5	641.5	930.3	1273.6	1667.3	2106.3	2585.7
32.5°	0.0	37.9	115.2	246.2	436.5	685.1	986.2	1348.7	1770.6	2239.3	2754.8
30°	0.0	38.9	119.9	258.9	461.7	725.7	1046.1	1422.2	1867.4	2363.9	2913.3
27.5°	0.0	39.8	124.2	270.7	485.1	763.5	1101.7	1500.4	1961.9	2479.8	3060.8
25°	0.0	40.7	128.2	281.6	506.6	798.2	1152.9	1572.4	2056.2	2596.2	3197.9
22.5°	0.0	41.5	131.8	291.5	526.2	829.9	1199.6	1638.1	2142.2	2707.2	3342.9
20°	0.0	42.2	135.0	300.4	543.9	858.4	1241.6	1697.2	2219.8	2807.3	3473.8
17.5°	0.0	42.8	137.9	308.3	559.5	883.7	1278.9	1749.8	2288.7	2896.2	3590.3
15°	0.0	43.4	140.4	315.2	573.2	905.7	1311.5	1795.6	2348.8	2973.8	3691.9
12.5°	0.0	43.8	142.5	321.0	584.8	924.4	1339.1	1834.6	2400.0	3039.9	3778.5
10°	0.0	44.2	144.3	325.8	594.3	939.8	1361.8	1866.6	2442.0	3094.2	3849.6
7.5°	0.0	44.5	145.6	329.6	601.7	951.8	1379.5	1891.6	2474.8	3136.6	3905.2
5°	0.0	44.7	146.6	332.3	607.0	960.4	1392.2	1909.5	2498.3	3167.0	3945.1
2.5°	0.0	44.9	147.2	333.9	610.2	965.6	1399.9	1920.2	2512.4	3185.2	3969.0
0°	0.0	44.9	147.4	334.4	611.3	967.3	1402.4	1923.8	2517.1	3191.3	3977.0
-2.5°	0.0	44.9	147.2	333.9	610.2	965.6	1399.9	1920.2	2512.4	3185.2	3969.0
-5°	0.0	44.7	146.6	332.3	607.0	960.4	1392.2	1909.5	2498.3	3167.0	3945.1
-7.5°	0.0	44.5	145.6	329.6	601.7	951.8	1379.5	1891.6	2474.8	3136.6	3905.2
-10°	0.0	44.2	144.3	325.8	594.3	939.8	1361.8	1866.6	2442.0	3094.2	3849.6
-12.5°	0.0	43.8	142.5	321.0	584.8	924.4	1339.1	1834.6	2400.0	3039.9	3778.5
-15°	0.0	43.4	140.4	315.2	573.2	905.7	1311.5	1795.6	2348.8	2973.8	3691.9
-17.5°	0.0	42.8	137.9	308.3	559.5	883.7	1278.9	1749.8	2288.7	2896.2	3590.3
-20°	0.0	42.2	135.0	300.4	543.9	858.4	1241.6	1697.2	2219.8	2807.3	3473.8



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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	41.5	131.8	291.5	526.2	829.9	1199.6	1638.1	2142.2	2707.2	3342.9
-25°	0.0	40.7	128.2	281.6	506.6	798.2	1152.9	1572.4	2056.2	2596.2	3197.9
-27.5°	0.0	39.8	124.2	270.7	485.1	763.5	1101.7	1500.4	1961.9	2479.8	3060.8
-30°	0.0	38.9	119.9	258.9	461.7	725.7	1046.1	1422.2	1867.4	2363.9	2913.3
-32.5°	0.0	37.9	115.2	246.2	436.5	685.1	986.2	1348.7	1770.6	2239.3	2754.8
-35°	0.0	36.8	110.3	232.5	409.5	641.5	930.3	1273.6	1667.3	2106.3	2585.7
-37.5°	0.0	35.6	105.0	218.0	380.8	598.8	874.6	1193.9	1557.6	1965.1	2419.8
-40°	0.0	34.4	99.4	202.6	350.4	560.8	815.7	1109.6	1441.8	1829.3	2253.6
-42.5°	0.0	33.1	93.5	186.5	323.6	520.7	753.8	1021.1	1333.8	1691.9	2079.2
-45°	0.0	31.7	87.3	169.5	301.0	478.8	688.9	935.5	1227.6	1548.4	1900.4
-47.5°	0.0	30.3	80.8	151.8	277.3	435.0	621.3	856.4	1116.9	1399.5	1734.0
-50°	0.0	28.9	74.1	139.7	252.8	389.5	564.4	774.3	1002.1	1270.1	1561.5
-52.5°	0.0	27.3	67.1	129.3	227.3	342.3	507.8	689.3	898.6	1136.4	1386.4
-55°	0.0	25.7	59.9	118.4	201.0	306.8	449.3	603.8	798.3	998.6	1233.3
-57.5°	0.0	24.1	52.4	107.3	173.8	272.9	389.1	533.5	695.2	877.0	1076.0
-60°	0.0	22.4	44.9	95.8	146.6	238.1	329.6	461.5	594.3	758.1	924.4
-62.5°	0.0	20.7	41.4	84.1	131.0	202.4	286.8	387.7	510.1	636.6	789.7
-65°	0.0	19.0	37.9	72.1	115.0	166.0	243.1	319.5	424.2	534.6	652.4
-67.5°	0.0	17.2	34.3	59.8	98.6	137.2	198.6	267.7	336.7	436.4	534.6
-70°	0.0	15.4	30.7	47.3	82.0	116.5	153.3	215.0	275.9	336.7	424.2
-72.5°	0.0	13.5	27.0	40.4	65.1	95.4	125.4	161.5	215.0	267.7	319.5
-75°	0.0	11.6	23.2	34.8	48.0	74.1	99.9	125.4	153.3	198.6	243.1
-77.5°	0.0	9.7	19.4	29.1	38.7	52.5	74.1	95.4	116.5	137.2	166.0
-80°	0.0	7.8	15.6	23.3	31.0	38.7	48.0	65.1	82.0	98.6	115.0
-82.5°	0.0	5.9	11.7	17.5	23.3	29.1	34.8	40.4	47.3	59.8	72.1
-85°	0.0	3.9	7.8	11.7	15.6	19.4	23.2	27.0	30.7	34.3	37.9
-87.5°	0.0	2.0	3.9	5.9	7.8	9.7	11.6	13.5	15.4	17.2	19.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	20.7	22.4	24.1	25.7	27.3	28.9	30.3	31.7	33.1	34.4	35.6
85°	41.4	44.9	52.4	59.9	67.1	74.1	80.8	87.3	93.5	99.4	105.0
82.5°	84.1	95.8	107.3	118.4	129.3	139.7	151.8	169.5	186.5	202.6	218.0
80°	131.0	146.6	173.8	201.0	227.3	252.8	277.3	301.0	323.6	350.4	380.8
77.5°	202.4	238.1	272.9	306.8	342.3	389.5	435.0	478.8	520.7	560.8	598.8
75°	286.8	329.6	389.1	449.3	507.8	564.4	621.3	688.9	753.8	815.7	874.6
72.5°	387.7	461.5	533.5	603.8	689.3	774.3	856.4	935.5	1021.1	1109.6	1193.9
70°	510.1	594.3	695.2	798.3	898.6	1002.1	1116.9	1227.6	1333.8	1441.8	1557.6
67.5°	636.6	758.1	877.0	998.6	1136.4	1270.1	1399.5	1548.4	1691.9	1829.3	1965.1
65°	789.7	924.4	1076.0	1233.3	1386.4	1561.5	1734.0	1900.4	2079.2	2253.6	2419.8
62.5°	940.3	1115.0	1291.9	1477.0	1678.9	1875.0	2084.5	2293.3	2494.2	2709.9	2918.8
60°	1115.0	1311.5	1524.2	1749.8	1976.2	2219.8	2456.0	2707.2	2957.1	3197.9	3464.9
57.5°	1291.9	1524.2	1773.6	2030.5	2301.6	2572.2	2863.4	3145.2	3454.4	3758.6	4060.9
55°	1477.0	1749.8	2030.5	2329.0	2634.9	2957.9	3285.3	3639.9	3983.1	4363.7	4728.1
52.5°	1678.9	1976.2	2301.6	2634.9	2989.6	3359.7	3752.2	4157.4	4583.0	5009.0	5461.2
50°	1875.0	2219.8	2572.2	2957.9	3359.7	3789.8	4245.1	4715.8	5214.5	5720.1	6265.2
47.5°	2084.5	2456.0	2863.4	3285.3	3752.2	4245.1	4760.2	5318.0	5877.0	6522.1	7153.6
45°	2293.3	2707.2	3145.2	3639.9	4157.4	4715.8	5318.0	5929.6	6651.5	7371.6	8140.3
42.5°	2494.2	2957.1	3454.4	3983.1	4583.0	5214.5	5877.0	6651.5	7446.8	8293.1	9205.5
40°	2709.9	3197.9	3758.6	4363.7	5009.0	5720.1	6522.1	7371.6	8293.1	9299.6	10344.4
37.5°	2918.8	3464.9	4060.9	4728.1	5461.2	6265.2	7153.6	8140.3	9205.5	10344.4	11599.5
35°	3117.1	3718.7	4380.9	5104.1	5892.8	6829.4	7837.4	8925.1	10153.0	11487.5	12891.7
32.5°	3323.1	3958.7	4683.9	5482.8	6382.6	7389.2	8494.7	9773.7	11153.7	12623.9	14264.2
30°	3527.9	4216.3	4981.4	5839.4	6852.0	7967.5	9213.3	10604.4	12137.6	13854.6	15695.9
27.5°	3718.7	4459.2	5287.4	6225.0	7304.6	8509.8	9918.0	11470.1	13181.4	15059.4	17117.5
25°	3895.0	4683.9	5570.6	6600.5	7770.2	9089.2	10599.8	12277.9	14198.8	16307.5	18623.6
22.5°	4068.5	4890.2	5830.2	6945.0	8198.0	9648.6	11291.3	13132.4	15198.9	17474.5	20069.6
20°	4236.8	5104.1	6094.4	7265.4	8586.2	10157.0	11920.7	13929.9	16183.3	18708.2	21490.9
17.5°	4386.7	5294.7	6349.0	7583.6	8991.9	10643.0	12500.7	14646.1	17069.3	19821.2	22820.1
15°	4517.5	5461.2	6571.7	7862.2	9358.7	11099.5	13082.0	15354.7	17922.4	20835.3	24003.0
12.5°	4629.0	5603.2	6761.7	8100.0	9672.2	11490.1	13580.1	15973.6	18703.5	21772.8	25150.6
10°	4720.8	5720.1	6918.3	8296.1	9930.9	11812.7	13991.9	16486.1	19351.4	22551.9	26106.2
7.5°	4792.4	5811.5	7040.7	8449.6	10133.4	12065.5	14315.0	16888.6	19860.9	23165.5	26860.4
5°	4843.8	5877.0	7128.5	8559.7	10278.9	12247.2	14547.3	17178.3	20228.0	23608.1	27405.1
2.5°	4874.7	5916.4	7181.4	8626.0	10366.5	12356.7	14687.3	17352.9	20449.5	23875.4	27734.5
0°	4885.0	5929.6	7199.0	8648.1	10395.7	12393.2	14734.1	17411.3	20523.5	23964.8	27844.7
-2.5°	4874.7	5916.4	7181.4	8626.0	10366.5	12356.7	14687.3	17352.9	20449.5	23875.4	27734.5
-5°	4843.8	5877.0	7128.5	8559.7	10278.9	12247.2	14547.3	17178.3	20228.0	23608.1	27405.1
-7.5°	4792.4	5811.5	7040.7	8449.6	10133.4	12065.5	14315.0	16888.6	19860.9	23165.5	26860.4
-10°	4720.8	5720.1	6918.3	8296.1	9930.9	11812.7	13991.9	16486.1	19351.4	22551.9	26106.2
-12.5°	4629.0	5603.2	6761.7	8100.0	9672.2	11490.1	13580.1	15973.6	18703.5	21772.8	25150.6
-15°	4517.5	5461.2	6571.7	7862.2	9358.7	11099.5	13082.0	15354.7	17922.4	20835.3	24003.0
-17.5°	4386.7	5294.7	6349.0	7583.6	8991.9	10643.0	12500.7	14646.1	17069.3	19821.2	22820.1
-20°	4236.8	5104.1	6094.4	7265.4	8586.2	10157.0	11920.7	13929.9	16183.3	18708.2	21490.9



REPORT NUMBER: P1305418 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-680R-40-70-7F-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	4068.5	4890.2	5830.2	6945.0	8198.0	9648.6	11291.3	13132.4	15198.9	17474.5	20069.6
-25°	3895.0	4683.9	5570.6	6600.5	7770.2	9089.2	10599.8	12277.9	14198.8	16307.5	18623.6
-27.5°	3718.7	4459.2	5287.4	6225.0	7304.6	8509.8	9918.0	11470.1	13181.4	15059.4	17117.5
-30°	3527.9	4216.3	4981.4	5839.4	6852.0	7967.5	9213.3	10604.4	12137.6	13854.6	15695.9
-32.5°	3323.1	3958.7	4683.9	5482.8	6382.6	7389.2	8494.7	9773.7	11153.7	12623.9	14264.2
-35°	3117.1	3718.7	4380.9	5104.1	5892.8	6829.4	7837.4	8925.1	10153.0	11487.5	12891.7
-37.5°	2918.8	3464.9	4060.9	4728.1	5461.2	6265.2	7153.6	8140.3	9205.5	10344.4	11599.5
-40°	2709.9	3197.9	3758.6	4363.7	5009.0	5720.1	6522.1	7371.6	8293.1	9299.6	10344.4
-42.5°	2494.2	2957.1	3454.4	3983.1	4583.0	5214.5	5877.0	6651.5	7446.8	8293.1	9205.5
-45°	2293.3	2707.2	3145.2	3639.9	4157.4	4715.8	5318.0	5929.6	6651.5	7371.6	8140.3
-47.5°	2084.5	2456.0	2863.4	3285.3	3752.2	4245.1	4760.2	5318.0	5877.0	6522.1	7153.6
-50°	1875.0	2219.8	2572.2	2957.9	3359.7	3789.8	4245.1	4715.8	5214.5	5720.1	6265.2
-52.5°	1678.9	1976.2	2301.6	2634.9	2989.6	3359.7	3752.2	4157.4	4583.0	5009.0	5461.2
-55°	1477.0	1749.8	2030.5	2329.0	2634.9	2957.9	3285.3	3639.9	3983.1	4363.7	4728.1
-57.5°	1291.9	1524.2	1773.6	2030.5	2301.6	2572.2	2863.4	3145.2	3454.4	3758.6	4060.9
-60°	1115.0	1311.5	1524.2	1749.8	1976.2	2219.8	2456.0	2707.2	2957.1	3197.9	3464.9
-62.5°	940.3	1115.0	1291.9	1477.0	1678.9	1875.0	2084.5	2293.3	2494.2	2709.9	2918.8
-65°	789.7	924.4	1076.0	1233.3	1386.4	1561.5	1734.0	1900.4	2079.2	2253.6	2419.8
-67.5°	636.6	758.1	877.0	998.6	1136.4	1270.1	1399.5	1548.4	1691.9	1829.3	1965.1
-70°	510.1	594.3	695.2	798.3	898.6	1002.1	1116.9	1227.6	1333.8	1441.8	1557.6
-72.5°	387.7	461.5	533.5	603.8	689.3	774.3	856.4	935.5	1021.1	1109.6	1193.9
-75°	286.8	329.6	389.1	449.3	507.8	564.4	621.3	688.9	753.8	815.7	874.6
-77.5°	202.4	238.1	272.9	306.8	342.3	389.5	435.0	478.8	520.7	560.8	598.8
-80°	131.0	146.6	173.8	201.0	227.3	252.8	277.3	301.0	323.6	350.4	380.8
-82.5°	84.1	95.8	107.3	118.4	129.3	139.7	151.8	169.5	186.5	202.6	218.0
-85°	41.4	44.9	52.4	59.9	67.1	74.1	80.8	87.3	93.5	99.4	105.0
-87.5°	20.7	22.4	24.1	25.7	27.3	28.9	30.3	31.7	33.1	34.4	35.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305418 (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°	36.8	37.9	38.9	39.8	40.7	41.5	42.2	42.8	43.4	43.8	44.2
85°	110.3	115.2	119.9	124.2	128.2	131.8	135.0	137.9	140.4	142.5	144.3
82.5°	232.5	246.2	258.9	270.7	281.6	291.5	300.4	308.3	315.2	321.0	325.8
80°	409.5	436.5	461.7	485.1	506.6	526.2	543.9	559.5	573.2	584.8	594.3
77.5°	641.5	685.1	725.7	763.5	798.2	829.9	858.4	883.7	905.7	924.4	939.8
75°	930.3	986.2	1046.1	1101.7	1152.9	1199.6	1241.6	1278.9	1311.5	1339.1	1361.8
72.5°	1273.6	1348.7	1422.2	1500.4	1572.4	1638.1	1697.2	1749.8	1795.6	1834.6	1866.6
70°	1667.3	1770.6	1867.4	1961.9	2056.2	2142.2	2219.8	2288.7	2348.8	2400.0	2442.0
67.5°	2106.3	2239.3	2363.9	2479.8	2596.2	2707.2	2807.3	2896.2	2973.8	3039.9	3094.2
65°	2585.7	2754.8	2913.3	3060.8	3197.9	3342.9	3473.8	3590.3	3691.9	3778.5	3849.6
62.5°	3117.1	3323.1	3527.9	3718.7	3895.0	4068.5	4236.8	4386.7	4517.5	4629.0	4720.8
60°	3718.7	3958.7	4216.3	4459.2	4683.9	4890.2	5104.1	5294.7	5461.2	5603.2	5720.1
57.5°	4380.9	4683.9	4981.4	5287.4	5570.6	5830.2	6094.4	6349.0	6571.7	6761.7	6918.3
55°	5104.1	5482.8	5839.4	6225.0	6600.5	6945.0	7265.4	7583.6	7862.2	8100.0	8296.1
52.5°	5892.8	6382.6	6852.0	7304.6	7770.2	8198.0	8586.2	8991.9	9358.7	9672.2	9930.9
50°	6829.4	7389.2	7967.5	8509.8	9089.2	9648.6	10157.0	10643.0	11099.5	11490.1	11812.7
47.5°	7837.4	8494.7	9213.3	9918.0	10599.8	11291.3	11920.7	12500.7	13082.0	13580.1	13991.9
45°	8925.1	9773.7	10604.4	11470.1	12277.9	13132.4	13929.9	14646.1	15354.7	15973.6	16486.1
42.5°	10153.0	11153.7	12137.6	13181.4	14198.8	15198.9	16183.3	17069.3	17922.4	18703.5	19351.4
40°	11487.5	12623.9	13854.6	15059.4	16307.5	17474.5	18708.2	19821.2	20835.3	21772.8	22551.9
37.5°	12891.7	14264.2	15695.9	17117.5	18623.6	20069.6	21490.9	22820.1	24003.0	25150.6	26106.2
35°	14401.8	16017.7	17643.7	19405.4	21124.5	22839.8	24479.3	26097.5	27536.7	28880.3	30028.7
32.5°	16017.7	17836.5	19801.2	21797.9	23759.9	25806.5	27724.4	29639.6	31360.4	32932.4	34316.3
30°	17643.7	19801.2	22024.4	24260.0	26618.8	28940.5	31215.7	33419.8	35481.1	37278.4	38784.9
27.5°	19405.4	21797.9	24260.0	26892.4	29565.0	32189.7	34890.5	37371.5	39599.8	41554.3	43331.7
25°	21124.5	23759.9	26618.8	29565.0	32550.3	35640.1	38533.7	41204.8	43784.6	46085.5	48161.1
22.5°	22839.8	25806.5	28940.5	32189.7	35640.1	38926.6	42061.6	45168.3	48122.0	50858.9	53225.7
20°	24479.3	27724.4	31215.7	34890.5	38533.7	42061.6	45637.6	49193.6	52554.9	55629.2	58268.9
17.5°	26097.5	29639.6	33419.8	37371.5	41204.8	45168.3	49193.6	53142.5	56875.3	60183.1	63049.7
15°	27536.7	31360.4	35481.1	39599.8	43784.6	48122.0	52554.9	56875.3	60839.7	64458.7	67672.3
12.5°	28880.3	32932.4	37278.4	41554.3	46085.5	50858.9	55629.2	60183.1	64458.7	68452.9	71674.6
10°	30028.7	34316.3	38784.9	43331.7	48161.1	53225.7	58268.9	63049.7	67672.3	71674.6	75187.5
7.5°	30937.1	35413.9	39983.8	44752.7	49866.3	55163.6	60369.7	65421.4	70174.9	74370.9	77895.9
5°	31594.5	36209.9	40855.7	45789.7	51116.3	56592.3	61930.5	67202.4	71993.6	76316.8	79921.6
2.5°	31992.4	36692.5	41385.3	46421.1	51879.8	57468.8	62893.5	68310.3	73138.8	77477.0	81133.7
0°	32125.6	36854.2	41563.0	46633.2	52136.7	57764.3	63219.3	68686.8	73530.5	77859.9	81551.1
-2.5°	31992.4	36692.5	41385.3	46421.1	51879.8	57468.8	62893.5	68310.3	73138.8	77477.0	81133.7
-5°	31594.5	36209.9	40855.7	45789.7	51116.3	56592.3	61930.5	67202.4	71993.6	76316.8	79921.6
-7.5°	30937.1	35413.9	39983.8	44752.7	49866.3	55163.6	60369.7	65421.4	70174.9	74370.9	77895.9
-10°	30028.7	34316.3	38784.9	43331.7	48161.1	53225.7	58268.9	63049.7	67672.3	71674.6	75187.5
-12.5°	28880.3	32932.4	37278.4	41554.3	46085.5	50858.9	55629.2	60183.1	64458.7	68452.9	71674.6
-15°	27536.7	31360.4	35481.1	39599.8	43784.6	48122.0	52554.9	56875.3	60839.7	64458.7	67672.3
-17.5°	26097.5	29639.6	33419.8	37371.5	41204.8	45168.3	49193.6	53142.5	56875.3	60183.1	63049.7
-20°	24479.3	27724.4	31215.7	34890.5	38533.7	42061.6	45637.6	49193.6	52554.9	55629.2	58268.9



REPORT NUMBER: P1305418 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-680R-40-70-7F-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	22839.8	25806.5	28940.5	32189.7	35640.1	38926.6	42061.6	45168.3	48122.0	50858.9	53225.7
-25°	21124.5	23759.9	26618.8	29565.0	32550.3	35640.1	38533.7	41204.8	43784.6	46085.5	48161.1
-27.5°	19405.4	21797.9	24260.0	26892.4	29565.0	32189.7	34890.5	37371.5	39599.8	41554.3	43331.7
-30°	17643.7	19801.2	22024.4	24260.0	26618.8	28940.5	31215.7	33419.8	35481.1	37278.4	38784.9
-32.5°	16017.7	17836.5	19801.2	21797.9	23759.9	25806.5	27724.4	29639.6	31360.4	32932.4	34316.3
-35°	14401.8	16017.7	17643.7	19405.4	21124.5	22839.8	24479.3	26097.5	27536.7	28880.3	30028.7
-37.5°	12891.7	14264.2	15695.9	17117.5	18623.6	20069.6	21490.9	22820.1	24003.0	25150.6	26106.2
-40°	11487.5	12623.9	13854.6	15059.4	16307.5	17474.5	18708.2	19821.2	20835.3	21772.8	22551.9
-42.5°	10153.0	11153.7	12137.6	13181.4	14198.8	15198.9	16183.3	17069.3	17922.4	18703.5	19351.4
-45°	8925.1	9773.7	10604.4	11470.1	12277.9	13132.4	13929.9	14646.1	15354.7	15973.6	16486.1
-47.5°	7837.4	8494.7	9213.3	9918.0	10599.8	11291.3	11920.7	12500.7	13082.0	13580.1	13991.9
-50°	6829.4	7389.2	7967.5	8509.8	9089.2	9648.6	10157.0	10643.0	11099.5	11490.1	11812.7
-52.5°	5892.8	6382.6	6852.0	7304.6	7770.2	8198.0	8586.2	8991.9	9358.7	9672.2	9930.9
-55°	5104.1	5482.8	5839.4	6225.0	6600.5	6945.0	7265.4	7583.6	7862.2	8100.0	8296.1
-57.5°	4380.9	4683.9	4981.4	5287.4	5570.6	5830.2	6094.4	6349.0	6571.7	6761.7	6918.3
-60°	3718.7	3958.7	4216.3	4459.2	4683.9	4890.2	5104.1	5294.7	5461.2	5603.2	5720.1
-62.5°	3117.1	3323.1	3527.9	3718.7	3895.0	4068.5	4236.8	4386.7	4517.5	4629.0	4720.8
-65°	2585.7	2754.8	2913.3	3060.8	3197.9	3342.9	3473.8	3590.3	3691.9	3778.5	3849.6
-67.5°	2106.3	2239.3	2363.9	2479.8	2596.2	2707.2	2807.3	2896.2	2973.8	3039.9	3094.2
-70°	1667.3	1770.6	1867.4	1961.9	2056.2	2142.2	2219.8	2288.7	2348.8	2400.0	2442.0
-72.5°	1273.6	1348.7	1422.2	1500.4	1572.4	1638.1	1697.2	1749.8	1795.6	1834.6	1866.6
-75°	930.3	986.2	1046.1	1101.7	1152.9	1199.6	1241.6	1278.9	1311.5	1339.1	1361.8
-77.5°	641.5	685.1	725.7	763.5	798.2	829.9	858.4	883.7	905.7	924.4	939.8
-80°	409.5	436.5	461.7	485.1	506.6	526.2	543.9	559.5	573.2	584.8	594.3
-82.5°	232.5	246.2	258.9	270.7	281.6	291.5	300.4	308.3	315.2	321.0	325.8
-85°	110.3	115.2	119.9	124.2	128.2	131.8	135.0	137.9	140.4	142.5	144.3
-87.5°	36.8	37.9	38.9	39.8	40.7	41.5	42.2	42.8	43.4	43.8	44.2
-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: P1305418 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-680R-40-70-7F-HEG-A

**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°	44.5	44.7	44.9	44.9	44.9	44.7	44.5	44.2	43.8	43.4	42.8
85°	145.6	146.6	147.2	147.4	147.2	146.6	145.6	144.3	142.5	140.4	137.9
82.5°	329.6	332.3	333.9	334.4	333.9	332.3	329.6	325.8	321.0	315.2	308.3
80°	601.7	607.0	610.2	611.3	610.2	607.0	601.7	594.3	584.8	573.2	559.5
77.5°	951.8	960.4	965.6	967.3	965.6	960.4	951.8	939.8	924.4	905.7	883.7
75°	1379.5	1392.2	1399.9	1402.4	1399.9	1392.2	1379.5	1361.8	1339.1	1311.5	1278.9
72.5°	1891.6	1909.5	1920.2	1923.8	1920.2	1909.5	1891.6	1866.6	1834.6	1795.6	1749.8
70°	2474.8	2498.3	2512.4	2517.1	2512.4	2498.3	2474.8	2442.0	2400.0	2348.8	2288.7
67.5°	3136.6	3167.0	3185.2	3191.3	3185.2	3167.0	3136.6	3094.2	3039.9	2973.8	2896.2
65°	3905.2	3945.1	3969.0	3977.0	3969.0	3945.1	3905.2	3849.6	3778.5	3691.9	3590.3
62.5°	4792.4	4843.8	4874.7	4885.0	4874.7	4843.8	4792.4	4720.8	4629.0	4517.5	4386.7
60°	5811.5	5877.0	5916.4	5929.6	5916.4	5877.0	5811.5	5720.1	5603.2	5461.2	5294.7
57.5°	7040.7	7128.5	7181.4	7199.0	7181.4	7128.5	7040.7	6918.3	6761.7	6571.7	6349.0
55°	8449.6	8559.7	8626.0	8648.1	8626.0	8559.7	8449.6	8296.1	8100.0	7862.2	7583.6
52.5°	10133.4	10278.9	10366.5	10395.7	10366.5	10278.9	10133.4	9930.9	9672.2	9358.7	8991.9
50°	12065.5	12247.2	12356.7	12393.2	12356.7	12247.2	12065.5	11812.7	11490.1	11099.5	10643.0
47.5°	14315.0	14547.3	14687.3	14734.1	14687.3	14547.3	14315.0	13991.9	13580.1	13082.0	12500.7
45°	16888.6	17178.3	17352.9	17411.3	17352.9	17178.3	16888.6	16486.1	15973.6	15354.7	14646.1
42.5°	19860.9	20228.0	20449.5	20523.5	20449.5	20228.0	19860.9	19351.4	18703.5	17922.4	17069.3
40°	23165.5	23608.1	23875.4	23964.8	23875.4	23608.1	23165.5	22551.9	21772.8	20835.3	19821.2
37.5°	26860.4	27405.1	27734.5	27844.7	27734.5	27405.1	26860.4	26106.2	25150.6	24003.0	22820.1
35°	30937.1	31594.5	31992.4	32125.6	31992.4	31594.5	30937.1	30028.7	28880.3	27536.7	26097.5
32.5°	35413.9	36209.9	36692.5	36854.2	36692.5	36209.9	35413.9	34316.3	32932.4	31360.4	29639.6
30°	39983.8	40855.7	41385.3	41563.0	41385.3	40855.7	39983.8	38784.9	37278.4	35481.1	33419.8
27.5°	44752.7	45789.7	46421.1	46633.2	46421.1	45789.7	44752.7	43331.7	41554.3	39599.8	37371.5
25°	49866.3	51116.3	51879.8	52136.7	51879.8	51116.3	49866.3	48161.1	46085.5	43784.6	41204.8
22.5°	55163.6	56592.3	57468.8	57764.3	57468.8	56592.3	55163.6	53225.7	50858.9	48122.0	45168.3
20°	60369.7	61930.5	62893.5	63219.3	62893.5	61930.5	60369.7	58268.9	55629.2	52554.9	49193.6
17.5°	65421.4	67202.4	68310.3	68686.8	68310.3	67202.4	65421.4	63049.7	60183.1	56875.3	53142.5
15°	70174.9	71993.6	73138.8	73530.5	73138.8	71993.6	70174.9	67672.3	64458.7	60839.7	56875.3
12.5°	74370.9	76316.8	77477.0	77859.9	77477.0	76316.8	74370.9	71674.6	68452.9	64458.7	60183.1
10°	77895.9	79921.6	81133.7	81551.1	81133.7	79921.6	77895.9	75187.5	71674.6	67672.3	63049.7
7.5°	80740.8	82803.9	84086.1	84498.8	84086.1	82803.9	80740.8	77895.9	74370.9	70174.9	65421.4
5°	82803.9	84942.2	86183.4	86642.8	86183.4	84942.2	82803.9	79921.6	76316.8	71993.6	67202.4
2.5°	84086.1	86183.4	87476.1	87914.9	87476.1	86183.4	84086.1	81133.7	77477.0	73138.8	68310.3
0°	84498.8	86642.8	87914.9	88406.6	87914.9	86642.8	84498.8	81551.1	77859.9	73530.5	68686.8
-2.5°	84086.1	86183.4	87476.1	87914.9	87476.1	86183.4	84086.1	81133.7	77477.0	73138.8	68310.3
-5°	82803.9	84942.2	86183.4	86642.8	86183.4	84942.2	82803.9	79921.6	76316.8	71993.6	67202.4
-7.5°	80740.8	82803.9	84086.1	84498.8	84086.1	82803.9	80740.8	77895.9	74370.9	70174.9	65421.4
-10°	77895.9	79921.6	81133.7	81551.1	81133.7	79921.6	77895.9	75187.5	71674.6	67672.3	63049.7
-12.5°	74370.9	76316.8	77477.0	77859.9	77477.0	76316.8	74370.9	71674.6	68452.9	64458.7	60183.1
-15°	70174.9	71993.6	73138.8	73530.5	73138.8	71993.6	70174.9	67672.3	64458.7	60839.7	56875.3
-17.5°	65421.4	67202.4	68310.3	68686.8	68310.3	67202.4	65421.4	63049.7	60183.1	56875.3	53142.5
-20°	60369.7	61930.5	62893.5	63219.3	62893.5	61930.5	60369.7	58268.9	55629.2	52554.9	49193.6



REPORT NUMBER: P1305418 (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°	55163.6	56592.3	57468.8	57764.3	57468.8	56592.3	55163.6	53225.7	50858.9	48122.0	45168.3
-25°	49866.3	51116.3	51879.8	52136.7	51879.8	51116.3	49866.3	48161.1	46085.5	43784.6	41204.8
-27.5°	44752.7	45789.7	46421.1	46633.2	46421.1	45789.7	44752.7	43331.7	41554.3	39599.8	37371.5
-30°	39983.8	40855.7	41385.3	41563.0	41385.3	40855.7	39983.8	38784.9	37278.4	35481.1	33419.8
-32.5°	35413.9	36209.9	36692.5	36854.2	36692.5	36209.9	35413.9	34316.3	32932.4	31360.4	29639.6
-35°	30937.1	31594.5	31992.4	32125.6	31992.4	31594.5	30937.1	30028.7	28880.3	27536.7	26097.5
-37.5°	26860.4	27405.1	27734.5	27844.7	27734.5	27405.1	26860.4	26106.2	25150.6	24003.0	22820.1
-40°	23165.5	23608.1	23875.4	23964.8	23875.4	23608.1	23165.5	22551.9	21772.8	20835.3	19821.2
-42.5°	19860.9	20228.0	20449.5	20523.5	20449.5	20228.0	19860.9	19351.4	18703.5	17922.4	17069.3
-45°	16888.6	17178.3	17352.9	17411.3	17352.9	17178.3	16888.6	16486.1	15973.6	15354.7	14646.1
-47.5°	14315.0	14547.3	14687.3	14734.1	14687.3	14547.3	14315.0	13991.9	13580.1	13082.0	12500.7
-50°	12065.5	12247.2	12356.7	12393.2	12356.7	12247.2	12065.5	11812.7	11490.1	11099.5	10643.0
-52.5°	10133.4	10278.9	10366.5	10395.7	10366.5	10278.9	10133.4	9930.9	9672.2	9358.7	8991.9
-55°	8449.6	8559.7	8626.0	8648.1	8626.0	8559.7	8449.6	8296.1	8100.0	7862.2	7583.6
-57.5°	7040.7	7128.5	7181.4	7199.0	7181.4	7128.5	7040.7	6918.3	6761.7	6571.7	6349.0
-60°	5811.5	5877.0	5916.4	5929.6	5916.4	5877.0	5811.5	5720.1	5603.2	5461.2	5294.7
-62.5°	4792.4	4843.8	4874.7	4885.0	4874.7	4843.8	4792.4	4720.8	4629.0	4517.5	4386.7
-65°	3905.2	3945.1	3969.0	3977.0	3969.0	3945.1	3905.2	3849.6	3778.5	3691.9	3590.3
-67.5°	3136.6	3167.0	3185.2	3191.3	3185.2	3167.0	3136.6	3094.2	3039.9	2973.8	2896.2
-70°	2474.8	2498.3	2512.4	2517.1	2512.4	2498.3	2474.8	2442.0	2400.0	2348.8	2288.7
-72.5°	1891.6	1909.5	1920.2	1923.8	1920.2	1909.5	1891.6	1866.6	1834.6	1795.6	1749.8
-75°	1379.5	1392.2	1399.9	1402.4	1399.9	1392.2	1379.5	1361.8	1339.1	1311.5	1278.9
-77.5°	951.8	960.4	965.6	967.3	965.6	960.4	951.8	939.8	924.4	905.7	883.7
-80°	601.7	607.0	610.2	611.3	610.2	607.0	601.7	594.3	584.8	573.2	559.5
-82.5°	329.6	332.3	333.9	334.4	333.9	332.3	329.6	325.8	321.0	315.2	308.3
-85°	145.6	146.6	147.2	147.4	147.2	146.6	145.6	144.3	142.5	140.4	137.9
-87.5°	44.5	44.7	44.9	44.9	44.9	44.7	44.5	44.2	43.8	43.4	42.8
-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: P1305418 (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°	42.2	41.5	40.7	39.8	38.9	37.9	36.8	35.6	34.4	33.1	31.7
85°	135.0	131.8	128.2	124.2	119.9	115.2	110.3	105.0	99.4	93.5	87.3
82.5°	300.4	291.5	281.6	270.7	258.9	246.2	232.5	218.0	202.6	186.5	169.5
80°	543.9	526.2	506.6	485.1	461.7	436.5	409.5	380.8	350.4	323.6	301.0
77.5°	858.4	829.9	798.2	763.5	725.7	685.1	641.5	598.8	560.8	520.7	478.8
75°	1241.6	1199.6	1152.9	1101.7	1046.1	986.2	930.3	874.6	815.7	753.8	688.9
72.5°	1697.2	1638.1	1572.4	1500.4	1422.2	1348.7	1273.6	1193.9	1109.6	1021.1	935.5
70°	2219.8	2142.2	2056.2	1961.9	1867.4	1770.6	1667.3	1557.6	1441.8	1333.8	1227.6
67.5°	2807.3	2707.2	2596.2	2479.8	2363.9	2239.3	2106.3	1965.1	1829.3	1691.9	1548.4
65°	3473.8	3342.9	3197.9	3060.8	2913.3	2754.8	2585.7	2419.8	2253.6	2079.2	1900.4
62.5°	4236.8	4068.5	3895.0	3718.7	3527.9	3323.1	3117.1	2918.8	2709.9	2494.2	2293.3
60°	5104.1	4890.2	4683.9	4459.2	4216.3	3958.7	3718.7	3464.9	3197.9	2957.1	2707.2
57.5°	6094.4	5830.2	5570.6	5287.4	4981.4	4683.9	4380.9	4060.9	3758.6	3454.4	3145.2
55°	7265.4	6945.0	6600.5	6225.0	5839.4	5482.8	5104.1	4728.1	4363.7	3983.1	3639.9
52.5°	8586.2	8198.0	7770.2	7304.6	6852.0	6382.6	5892.8	5461.2	5009.0	4583.0	4157.4
50°	10157.0	9648.6	9089.2	8509.8	7967.5	7389.2	6829.4	6265.2	5720.1	5214.5	4715.8
47.5°	11920.7	11291.3	10599.8	9918.0	9213.3	8494.7	7837.4	7153.6	6522.1	5877.0	5318.0
45°	13929.9	13132.4	12277.9	11470.1	10604.4	9773.7	8925.1	8140.3	7371.6	6651.5	5929.6
42.5°	16183.3	15198.9	14198.8	13181.4	12137.6	11153.7	10153.0	9205.5	8293.1	7446.8	6651.5
40°	18708.2	17474.5	16307.5	15059.4	13854.6	12623.9	11487.5	10344.4	9299.6	8293.1	7371.6
37.5°	21490.9	20069.6	18623.6	17117.5	15695.9	14264.2	12891.7	11599.5	10344.4	9205.5	8140.3
35°	24479.3	22839.8	21124.5	19405.4	17643.7	16017.7	14401.8	12891.7	11487.5	10153.0	8925.1
32.5°	27724.4	25806.5	23759.9	21797.9	19801.2	17836.5	16017.7	14264.2	12623.9	11153.7	9773.7
30°	31215.7	28940.5	26618.8	24260.0	22024.4	19801.2	17643.7	15695.9	13854.6	12137.6	10604.4
27.5°	34890.5	32189.7	29565.0	26892.4	24260.0	21797.9	19405.4	17117.5	15059.4	13181.4	11470.1
25°	38533.7	35640.1	32550.3	29565.0	26618.8	23759.9	21124.5	18623.6	16307.5	14198.8	12277.9
22.5°	42061.6	38926.6	35640.1	32189.7	28940.5	25806.5	22839.8	20069.6	17474.5	15198.9	13132.4
20°	45637.6	42061.6	38533.7	34890.5	31215.7	27724.4	24479.3	21490.9	18708.2	16183.3	13929.9
17.5°	49193.6	45168.3	41204.8	37371.5	33419.8	29639.6	26097.5	22820.1	19821.2	17069.3	14646.1
15°	52554.9	48122.0	43784.6	39599.8	35481.1	31360.4	27536.7	24003.0	20835.3	17922.4	15354.7
12.5°	55629.2	50858.9	46085.5	41554.3	37278.4	32932.4	28880.3	25150.6	21772.8	18703.5	15973.6
10°	58268.9	53225.7	48161.1	43331.7	38784.9	34316.3	30028.7	26106.2	22551.9	19351.4	16486.1
7.5°	60369.7	55163.6	49866.3	44752.7	39983.8	35413.9	30937.1	26860.4	23165.5	19860.9	16888.6
5°	61930.5	56592.3	51116.3	45789.7	40855.7	36209.9	31594.5	27405.1	23608.1	20228.0	17178.3
2.5°	62893.5	57468.8	51879.8	46421.1	41385.3	36692.5	31992.4	27734.5	23875.4	20449.5	17352.9
0°	63219.3	57764.3	52136.7	46633.2	41563.0	36854.2	32125.6	27844.7	23964.8	20523.5	17411.3
-2.5°	62893.5	57468.8	51879.8	46421.1	41385.3	36692.5	31992.4	27734.5	23875.4	20449.5	17352.9
-5°	61930.5	56592.3	51116.3	45789.7	40855.7	36209.9	31594.5	27405.1	23608.1	20228.0	17178.3
-7.5°	60369.7	55163.6	49866.3	44752.7	39983.8	35413.9	30937.1	26860.4	23165.5	19860.9	16888.6
-10°	58268.9	53225.7	48161.1	43331.7	38784.9	34316.3	30028.7	26106.2	22551.9	19351.4	16486.1
-12.5°	55629.2	50858.9	46085.5	41554.3	37278.4	32932.4	28880.3	25150.6	21772.8	18703.5	15973.6
-15°	52554.9	48122.0	43784.6	39599.8	35481.1	31360.4	27536.7	24003.0	20835.3	17922.4	15354.7
-17.5°	49193.6	45168.3	41204.8	37371.5	33419.8	29639.6	26097.5	22820.1	19821.2	17069.3	14646.1
-20°	45637.6	42061.6	38533.7	34890.5	31215.7	27724.4	24479.3	21490.9	18708.2	16183.3	13929.9



REPORT NUMBER: P1305418 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-680R-40-70-7F-HEG-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	42061.6	38926.6	35640.1	32189.7	28940.5	25806.5	22839.8	20069.6	17474.5	15198.9	13132.4
-25°	38533.7	35640.1	32550.3	29565.0	26618.8	23759.9	21124.5	18623.6	16307.5	14198.8	12277.9
-27.5°	34890.5	32189.7	29565.0	26892.4	24260.0	21797.9	19405.4	17117.5	15059.4	13181.4	11470.1
-30°	31215.7	28940.5	26618.8	24260.0	22024.4	19801.2	17643.7	15695.9	13854.6	12137.6	10604.4
-32.5°	27724.4	25806.5	23759.9	21797.9	19801.2	17836.5	16017.7	14264.2	12623.9	11153.7	9773.7
-35°	24479.3	22839.8	21124.5	19405.4	17643.7	16017.7	14401.8	12891.7	11487.5	10153.0	8925.1
-37.5°	21490.9	20069.6	18623.6	17117.5	15695.9	14264.2	12891.7	11599.5	10344.4	9205.5	8140.3
-40°	18708.2	17474.5	16307.5	15059.4	13854.6	12623.9	11487.5	10344.4	9299.6	8293.1	7371.6
-42.5°	16183.3	15198.9	14198.8	13181.4	12137.6	11153.7	10153.0	9205.5	8293.1	7446.8	6651.5
-45°	13929.9	13132.4	12277.9	11470.1	10604.4	9773.7	8925.1	8140.3	7371.6	6651.5	5929.6
-47.5°	11920.7	11291.3	10599.8	9918.0	9213.3	8494.7	7837.4	7153.6	6522.1	5877.0	5318.0
-50°	10157.0	9648.6	9089.2	8509.8	7967.5	7389.2	6829.4	6265.2	5720.1	5214.5	4715.8
-52.5°	8586.2	8198.0	7770.2	7304.6	6852.0	6382.6	5892.8	5461.2	5009.0	4583.0	4157.4
-55°	7265.4	6945.0	6600.5	6225.0	5839.4	5482.8	5104.1	4728.1	4363.7	3983.1	3639.9
-57.5°	6094.4	5830.2	5570.6	5287.4	4981.4	4683.9	4380.9	4060.9	3758.6	3454.4	3145.2
-60°	5104.1	4890.2	4683.9	4459.2	4216.3	3958.7	3718.7	3464.9	3197.9	2957.1	2707.2
-62.5°	4236.8	4068.5	3895.0	3718.7	3527.9	3323.1	3117.1	2918.8	2709.9	2494.2	2293.3
-65°	3473.8	3342.9	3197.9	3060.8	2913.3	2754.8	2585.7	2419.8	2253.6	2079.2	1900.4
-67.5°	2807.3	2707.2	2596.2	2479.8	2363.9	2239.3	2106.3	1965.1	1829.3	1691.9	1548.4
-70°	2219.8	2142.2	2056.2	1961.9	1867.4	1770.6	1667.3	1557.6	1441.8	1333.8	1227.6
-72.5°	1697.2	1638.1	1572.4	1500.4	1422.2	1348.7	1273.6	1193.9	1109.6	1021.1	935.5
-75°	1241.6	1199.6	1152.9	1101.7	1046.1	986.2	930.3	874.6	815.7	753.8	688.9
-77.5°	858.4	829.9	798.2	763.5	725.7	685.1	641.5	598.8	560.8	520.7	478.8
-80°	543.9	526.2	506.6	485.1	461.7	436.5	409.5	380.8	350.4	323.6	301.0
-82.5°	300.4	291.5	281.6	270.7	258.9	246.2	232.5	218.0	202.6	186.5	169.5
-85°	135.0	131.8	128.2	124.2	119.9	115.2	110.3	105.0	99.4	93.5	87.3
-87.5°	42.2	41.5	40.7	39.8	38.9	37.9	36.8	35.6	34.4	33.1	31.7
-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: P1305418 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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°	30.3	28.9	27.3	25.7	24.1	22.4	20.7	19.0	17.2	15.4	13.5
85°	80.8	74.1	67.1	59.9	52.4	44.9	41.4	37.9	34.3	30.7	27.0
82.5°	151.8	139.7	129.3	118.4	107.3	95.8	84.1	72.1	59.8	47.3	40.4
80°	277.3	252.8	227.3	201.0	173.8	146.6	131.0	115.0	98.6	82.0	65.1
77.5°	435.0	389.5	342.3	306.8	272.9	238.1	202.4	166.0	137.2	116.5	95.4
75°	621.3	564.4	507.8	449.3	389.1	329.6	286.8	243.1	198.6	153.3	125.4
72.5°	856.4	774.3	689.3	603.8	533.5	461.5	387.7	319.5	267.7	215.0	161.5
70°	1116.9	1002.1	898.6	798.3	695.2	594.3	510.1	424.2	336.7	275.9	215.0
67.5°	1399.5	1270.1	1136.4	998.6	877.0	758.1	636.6	534.6	436.4	336.7	267.7
65°	1734.0	1561.5	1386.4	1233.3	1076.0	924.4	789.7	652.4	534.6	424.2	319.5
62.5°	2084.5	1875.0	1678.9	1477.0	1291.9	1115.0	940.3	789.7	636.6	510.1	387.7
60°	2456.0	2219.8	1976.2	1749.8	1524.2	1311.5	1115.0	924.4	758.1	594.3	461.5
57.5°	2863.4	2572.2	2301.6	2030.5	1773.6	1524.2	1291.9	1076.0	877.0	695.2	533.5
55°	3285.3	2957.9	2634.9	2329.0	2030.5	1749.8	1477.0	1233.3	998.6	798.3	603.8
52.5°	3752.2	3359.7	2989.6	2634.9	2301.6	1976.2	1678.9	1386.4	1136.4	898.6	689.3
50°	4245.1	3789.8	3359.7	2957.9	2572.2	2219.8	1875.0	1561.5	1270.1	1002.1	774.3
47.5°	4760.2	4245.1	3752.2	3285.3	2863.4	2456.0	2084.5	1734.0	1399.5	1116.9	856.4
45°	5318.0	4715.8	4157.4	3639.9	3145.2	2707.2	2293.3	1900.4	1548.4	1227.6	935.5
42.5°	5877.0	5214.5	4583.0	3983.1	3454.4	2957.1	2494.2	2079.2	1691.9	1333.8	1021.1
40°	6522.1	5720.1	5009.0	4363.7	3758.6	3197.9	2709.9	2253.6	1829.3	1441.8	1109.6
37.5°	7153.6	6265.2	5461.2	4728.1	4060.9	3464.9	2918.8	2419.8	1965.1	1557.6	1193.9
35°	7837.4	6829.4	5892.8	5104.1	4380.9	3718.7	3117.1	2585.7	2106.3	1667.3	1273.6
32.5°	8494.7	7389.2	6382.6	5482.8	4683.9	3958.7	3323.1	2754.8	2239.3	1770.6	1348.7
30°	9213.3	7967.5	6852.0	5839.4	4981.4	4216.3	3527.9	2913.3	2363.9	1867.4	1422.2
27.5°	9918.0	8509.8	7304.6	6225.0	5287.4	4459.2	3718.7	3060.8	2479.8	1961.9	1500.4
25°	10599.8	9089.2	7770.2	6600.5	5570.6	4683.9	3895.0	3197.9	2596.2	2056.2	1572.4
22.5°	11291.3	9648.6	8198.0	6945.0	5830.2	4890.2	4068.5	3342.9	2707.2	2142.2	1638.1
20°	11920.7	10157.0	8586.2	7265.4	6094.4	5104.1	4236.8	3473.8	2807.3	2219.8	1697.2
17.5°	12500.7	10643.0	8991.9	7583.6	6349.0	5294.7	4386.7	3590.3	2896.2	2288.7	1749.8
15°	13082.0	11099.5	9358.7	7862.2	6571.7	5461.2	4517.5	3691.9	2973.8	2348.8	1795.6
12.5°	13580.1	11490.1	9672.2	8100.0	6761.7	5603.2	4629.0	3778.5	3039.9	2400.0	1834.6
10°	13991.9	11812.7	9930.9	8296.1	6918.3	5720.1	4720.8	3849.6	3094.2	2442.0	1866.6
7.5°	14315.0	12065.5	10133.4	8449.6	7040.7	5811.5	4792.4	3905.2	3136.6	2474.8	1891.6
5°	14547.3	12247.2	10278.9	8559.7	7128.5	5877.0	4843.8	3945.1	3167.0	2498.3	1909.5
2.5°	14687.3	12356.7	10366.5	8626.0	7181.4	5916.4	4874.7	3969.0	3185.2	2512.4	1920.2
0°	14734.1	12393.2	10395.7	8648.1	7199.0	5929.6	4885.0	3977.0	3191.3	2517.1	1923.8
-2.5°	14687.3	12356.7	10366.5	8626.0	7181.4	5916.4	4874.7	3969.0	3185.2	2512.4	1920.2
-5°	14547.3	12247.2	10278.9	8559.7	7128.5	5877.0	4843.8	3945.1	3167.0	2498.3	1909.5
-7.5°	14315.0	12065.5	10133.4	8449.6	7040.7	5811.5	4792.4	3905.2	3136.6	2474.8	1891.6
-10°	13991.9	11812.7	9930.9	8296.1	6918.3	5720.1	4720.8	3849.6	3094.2	2442.0	1866.6
-12.5°	13580.1	11490.1	9672.2	8100.0	6761.7	5603.2	4629.0	3778.5	3039.9	2400.0	1834.6
-15°	13082.0	11099.5	9358.7	7862.2	6571.7	5461.2	4517.5	3691.9	2973.8	2348.8	1795.6
-17.5°	12500.7	10643.0	8991.9	7583.6	6349.0	5294.7	4386.7	3590.3	2896.2	2288.7	1749.8
-20°	11920.7	10157.0	8586.2	7265.4	6094.4	5104.1	4236.8	3473.8	2807.3	2219.8	1697.2



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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°	11291.3	9648.6	8198.0	6945.0	5830.2	4890.2	4068.5	3342.9	2707.2	2142.2	1638.1
-25°	10599.8	9089.2	7770.2	6600.5	5570.6	4683.9	3895.0	3197.9	2596.2	2056.2	1572.4
-27.5°	9918.0	8509.8	7304.6	6225.0	5287.4	4459.2	3718.7	3060.8	2479.8	1961.9	1500.4
-30°	9213.3	7967.5	6852.0	5839.4	4981.4	4216.3	3527.9	2913.3	2363.9	1867.4	1422.2
-32.5°	8494.7	7389.2	6382.6	5482.8	4683.9	3958.7	3323.1	2754.8	2239.3	1770.6	1348.7
-35°	7837.4	6829.4	5892.8	5104.1	4380.9	3718.7	3117.1	2585.7	2106.3	1667.3	1273.6
-37.5°	7153.6	6265.2	5461.2	4728.1	4060.9	3464.9	2918.8	2419.8	1965.1	1557.6	1193.9
-40°	6522.1	5720.1	5009.0	4363.7	3758.6	3197.9	2709.9	2253.6	1829.3	1441.8	1109.6
-42.5°	5877.0	5214.5	4583.0	3983.1	3454.4	2957.1	2494.2	2079.2	1691.9	1333.8	1021.1
-45°	5318.0	4715.8	4157.4	3639.9	3145.2	2707.2	2293.3	1900.4	1548.4	1227.6	935.5
-47.5°	4760.2	4245.1	3752.2	3285.3	2863.4	2456.0	2084.5	1734.0	1399.5	1116.9	856.4
-50°	4245.1	3789.8	3359.7	2957.9	2572.2	2219.8	1875.0	1561.5	1270.1	1002.1	774.3
-52.5°	3752.2	3359.7	2989.6	2634.9	2301.6	1976.2	1678.9	1386.4	1136.4	898.6	689.3
-55°	3285.3	2957.9	2634.9	2329.0	2030.5	1749.8	1477.0	1233.3	998.6	798.3	603.8
-57.5°	2863.4	2572.2	2301.6	2030.5	1773.6	1524.2	1291.9	1076.0	877.0	695.2	533.5
-60°	2456.0	2219.8	1976.2	1749.8	1524.2	1311.5	1115.0	924.4	758.1	594.3	461.5
-62.5°	2084.5	1875.0	1678.9	1477.0	1291.9	1115.0	940.3	789.7	636.6	510.1	387.7
-65°	1734.0	1561.5	1386.4	1233.3	1076.0	924.4	789.7	652.4	534.6	424.2	319.5
-67.5°	1399.5	1270.1	1136.4	998.6	877.0	758.1	636.6	534.6	436.4	336.7	267.7
-70°	1116.9	1002.1	898.6	798.3	695.2	594.3	510.1	424.2	336.7	275.9	215.0
-72.5°	856.4	774.3	689.3	603.8	533.5	461.5	387.7	319.5	267.7	215.0	161.5
-75°	621.3	564.4	507.8	449.3	389.1	329.6	286.8	243.1	198.6	153.3	125.4
-77.5°	435.0	389.5	342.3	306.8	272.9	238.1	202.4	166.0	137.2	116.5	95.4
-80°	277.3	252.8	227.3	201.0	173.8	146.6	131.0	115.0	98.6	82.0	65.1
-82.5°	151.8	139.7	129.3	118.4	107.3	95.8	84.1	72.1	59.8	47.3	40.4
-85°	80.8	74.1	67.1	59.9	52.4	44.9	41.4	37.9	34.3	30.7	27.0
-87.5°	30.3	28.9	27.3	25.7	24.1	22.4	20.7	19.0	17.2	15.4	13.5
-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°	11.6	9.7	7.8	5.9	3.9	2.0	0.0
85°	23.2	19.4	15.6	11.7	7.8	3.9	0.0
82.5°	34.8	29.1	23.3	17.5	11.7	5.9	0.0
80°	48.0	38.7	31.0	23.3	15.6	7.8	0.0
77.5°	74.1	52.5	38.7	29.1	19.4	9.7	0.0
75°	99.9	74.1	48.0	34.8	23.2	11.6	0.0
72.5°	125.4	95.4	65.1	40.4	27.0	13.5	0.0
70°	153.3	116.5	82.0	47.3	30.7	15.4	0.0
67.5°	198.6	137.2	98.6	59.8	34.3	17.2	0.0
65°	243.1	166.0	115.0	72.1	37.9	19.0	0.0
62.5°	286.8	202.4	131.0	84.1	41.4	20.7	0.0
60°	329.6	238.1	146.6	95.8	44.9	22.4	0.0
57.5°	389.1	272.9	173.8	107.3	52.4	24.1	0.0
55°	449.3	306.8	201.0	118.4	59.9	25.7	0.0
52.5°	507.8	342.3	227.3	129.3	67.1	27.3	0.0
50°	564.4	389.5	252.8	139.7	74.1	28.9	0.0
47.5°	621.3	435.0	277.3	151.8	80.8	30.3	0.0
45°	688.9	478.8	301.0	169.5	87.3	31.7	0.0
42.5°	753.8	520.7	323.6	186.5	93.5	33.1	0.0
40°	815.7	560.8	350.4	202.6	99.4	34.4	0.0
37.5°	874.6	598.8	380.8	218.0	105.0	35.6	0.0
35°	930.3	641.5	409.5	232.5	110.3	36.8	0.0
32.5°	986.2	685.1	436.5	246.2	115.2	37.9	0.0
30°	1046.1	725.7	461.7	258.9	119.9	38.9	0.0
27.5°	1101.7	763.5	485.1	270.7	124.2	39.8	0.0
25°	1152.9	798.2	506.6	281.6	128.2	40.7	0.0
22.5°	1199.6	829.9	526.2	291.5	131.8	41.5	0.0
20°	1241.6	858.4	543.9	300.4	135.0	42.2	0.0
17.5°	1278.9	883.7	559.5	308.3	137.9	42.8	0.0
15°	1311.5	905.7	573.2	315.2	140.4	43.4	0.0
12.5°	1339.1	924.4	584.8	321.0	142.5	43.8	0.0
10°	1361.8	939.8	594.3	325.8	144.3	44.2	0.0
7.5°	1379.5	951.8	601.7	329.6	145.6	44.5	0.0
5°	1392.2	960.4	607.0	332.3	146.6	44.7	0.0
2.5°	1399.9	965.6	610.2	333.9	147.2	44.9	0.0
0°	1402.4	967.3	611.3	334.4	147.4	44.9	0.0
-2.5°	1399.9	965.6	610.2	333.9	147.2	44.9	0.0
-5°	1392.2	960.4	607.0	332.3	146.6	44.7	0.0
-7.5°	1379.5	951.8	601.7	329.6	145.6	44.5	0.0
-10°	1361.8	939.8	594.3	325.8	144.3	44.2	0.0
-12.5°	1339.1	924.4	584.8	321.0	142.5	43.8	0.0
-15°	1311.5	905.7	573.2	315.2	140.4	43.4	0.0
-17.5°	1278.9	883.7	559.5	308.3	137.9	42.8	0.0
-20°	1241.6	858.4	543.9	300.4	135.0	42.2	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1199.6	829.9	526.2	291.5	131.8	41.5	0.0
-25°	1152.9	798.2	506.6	281.6	128.2	40.7	0.0
-27.5°	1101.7	763.5	485.1	270.7	124.2	39.8	0.0
-30°	1046.1	725.7	461.7	258.9	119.9	38.9	0.0
-32.5°	986.2	685.1	436.5	246.2	115.2	37.9	0.0
-35°	930.3	641.5	409.5	232.5	110.3	36.8	0.0
-37.5°	874.6	598.8	380.8	218.0	105.0	35.6	0.0
-40°	815.7	560.8	350.4	202.6	99.4	34.4	0.0
-42.5°	753.8	520.7	323.6	186.5	93.5	33.1	0.0
-45°	688.9	478.8	301.0	169.5	87.3	31.7	0.0
-47.5°	621.3	435.0	277.3	151.8	80.8	30.3	0.0
-50°	564.4	389.5	252.8	139.7	74.1	28.9	0.0
-52.5°	507.8	342.3	227.3	129.3	67.1	27.3	0.0
-55°	449.3	306.8	201.0	118.4	59.9	25.7	0.0
-57.5°	389.1	272.9	173.8	107.3	52.4	24.1	0.0
-60°	329.6	238.1	146.6	95.8	44.9	22.4	0.0
-62.5°	286.8	202.4	131.0	84.1	41.4	20.7	0.0
-65°	243.1	166.0	115.0	72.1	37.9	19.0	0.0
-67.5°	198.6	137.2	98.6	59.8	34.3	17.2	0.0
-70°	153.3	116.5	82.0	47.3	30.7	15.4	0.0
-72.5°	125.4	95.4	65.1	40.4	27.0	13.5	0.0
-75°	99.9	74.1	48.0	34.8	23.2	11.6	0.0
-77.5°	74.1	52.5	38.7	29.1	19.4	9.7	0.0
-80°	48.0	38.7	31.0	23.3	15.6	7.8	0.0
-82.5°	34.8	29.1	23.3	17.5	11.7	5.9	0.0
-85°	23.2	19.4	15.6	11.7	7.8	3.9	0.0
-87.5°	11.6	9.7	7.8	5.9	3.9	2.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)