

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: P1305385 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-40-80-3S-HEG-A**

Issue Date: 2/3/2026

**Test Information**

Test Method: LM-79-08  
Report Number: P1305385 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-640L-40-80-3S-HEG-A  
Description: EPHEBUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 3S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

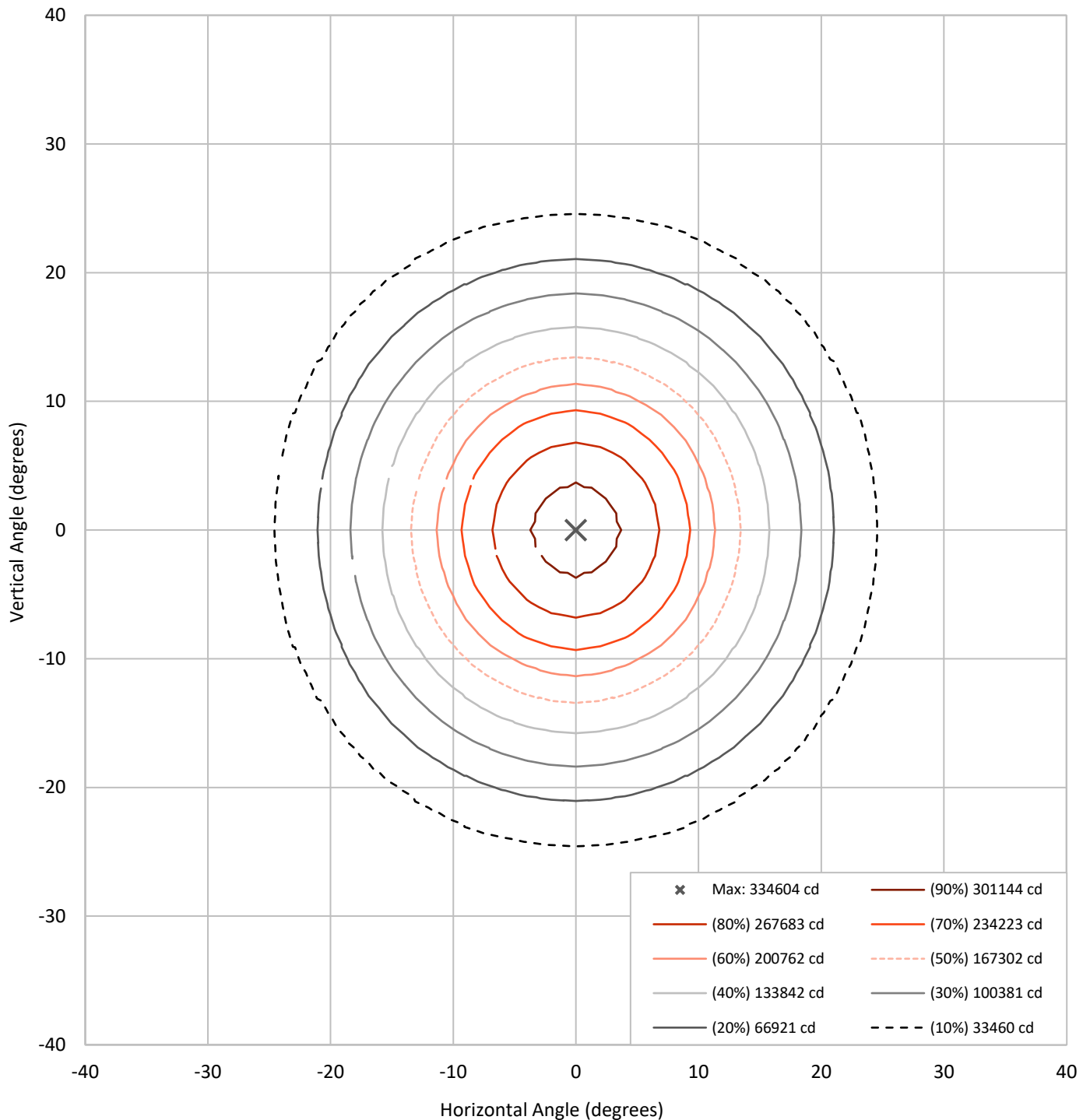
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	90372 lumens	Max Intensity:	334604 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	139.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	26.9°H x 26.9°V	Field Angle (10%):	48.9°H x 48.9°V
Beam Lumens:	39183.9 lumens	Field Lumens:	75017.7 lumens
Beam Efficiency:	43.4%	Field Efficiency:	83.0%

Input Watts (W): 648  
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





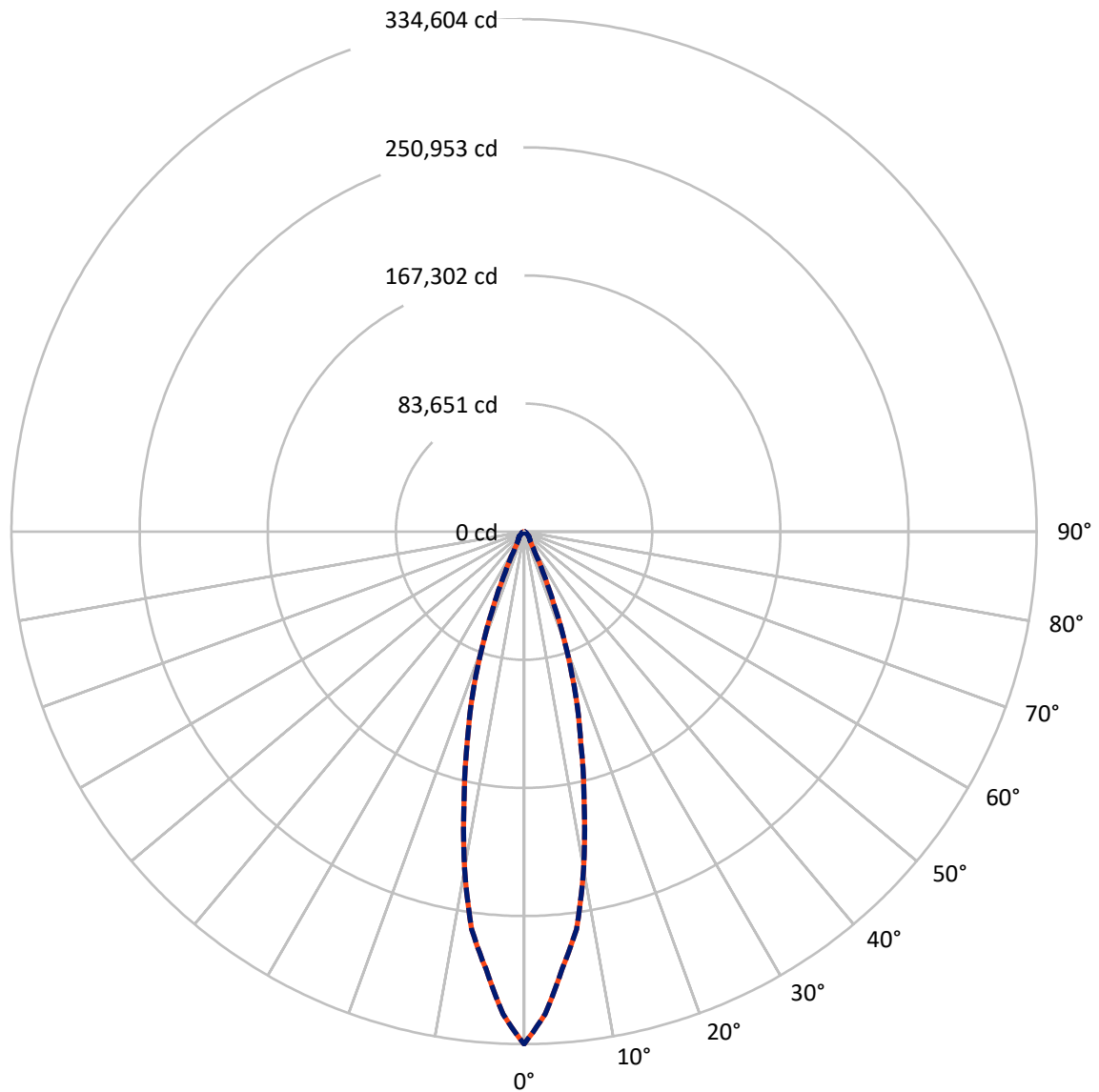
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### Lumen Table

90	0.1	0.8		3.1		8.2		10.9		8.2		3.1		0.8		0.1			
80	0.1	0.8		3.1		8.2		10.9		8.2		3.1		0.8		0.1			
70	0.4	0.5	2.0	6.0	11.8	17.9	22.9	25.7	25.7	22.9	17.9	11.8	6.0	2.0	0.5	0.4			
60		1.5	7.0	16.5	28.2	40.3	50.0	55.2	55.2	50.0	40.3	28.2	16.5	7.0	1.5				
50	1.0	3.7	13.5	28.6	47.3	74.5	106.7	125.2	125.2	106.7	74.5	47.3	28.6	13.5	3.7	1.0			
40		6.3	20.0	41.0	83.5	137.6	177.0	207.9	207.9	177.0	137.6	83.5	41.0	20.0	6.3				
30	2.4	8.6	25.8	58.6	124.6	197.2	455.9	937.7	937.7	455.9	197.2	124.6	58.6	25.8	8.6	2.4			
20		10.3	30.0	79.0	150.6	430.4	1994.6	3994.1	3994.1	1994.6	430.4	150.6	79.0	30.0	10.3				
10	3.1	11.2	32.2	89.7	171.8	863.1	3884.8	7661.6	7661.6	3884.8	863.1	171.8	89.7	32.2	11.2	3.1			
0		11.2	32.2	89.7	171.8	863.1	3884.8	7661.6	7661.6	3884.8	863.1	171.8	89.7	32.2	11.2				
-10	2.4	10.3	30.0	79.0	150.6	430.4	1994.6	3994.1	3994.1	1994.6	430.4	150.6	79.0	30.0	10.3	2.4			
-20		8.6	25.8	58.6	124.6	197.2	455.9	937.7	937.7	455.9	197.2	124.6	58.6	25.8	8.6				
-30	1.0	6.3	20.0	41.0	83.5	137.6	177.0	207.9	207.9	177.0	137.6	83.5	41.0	20.0	6.3	1.0			
-40		3.7	13.5	28.6	47.3	74.5	106.7	125.2	125.2	106.7	74.5	47.3	28.6	13.5	3.7				
-50	0.4	1.5	7.0	16.5	28.2	40.3	50.0	55.2	55.2	50.0	40.3	28.2	16.5	7.0	1.5	0.4			
-60		0.5	2.0	6.0	11.8	17.9	22.9	25.7	25.7	22.9	17.9	11.8	6.0	2.0	0.5				
-70	0.1	0.8		3.1		8.2		10.9		8.2		3.1		0.8		0.1			
-80		0.8		3.1		8.2		10.9		8.2		3.1		0.8					
-90	0.1	0.8		3.1		8.2		10.9		8.2		3.1		0.8		0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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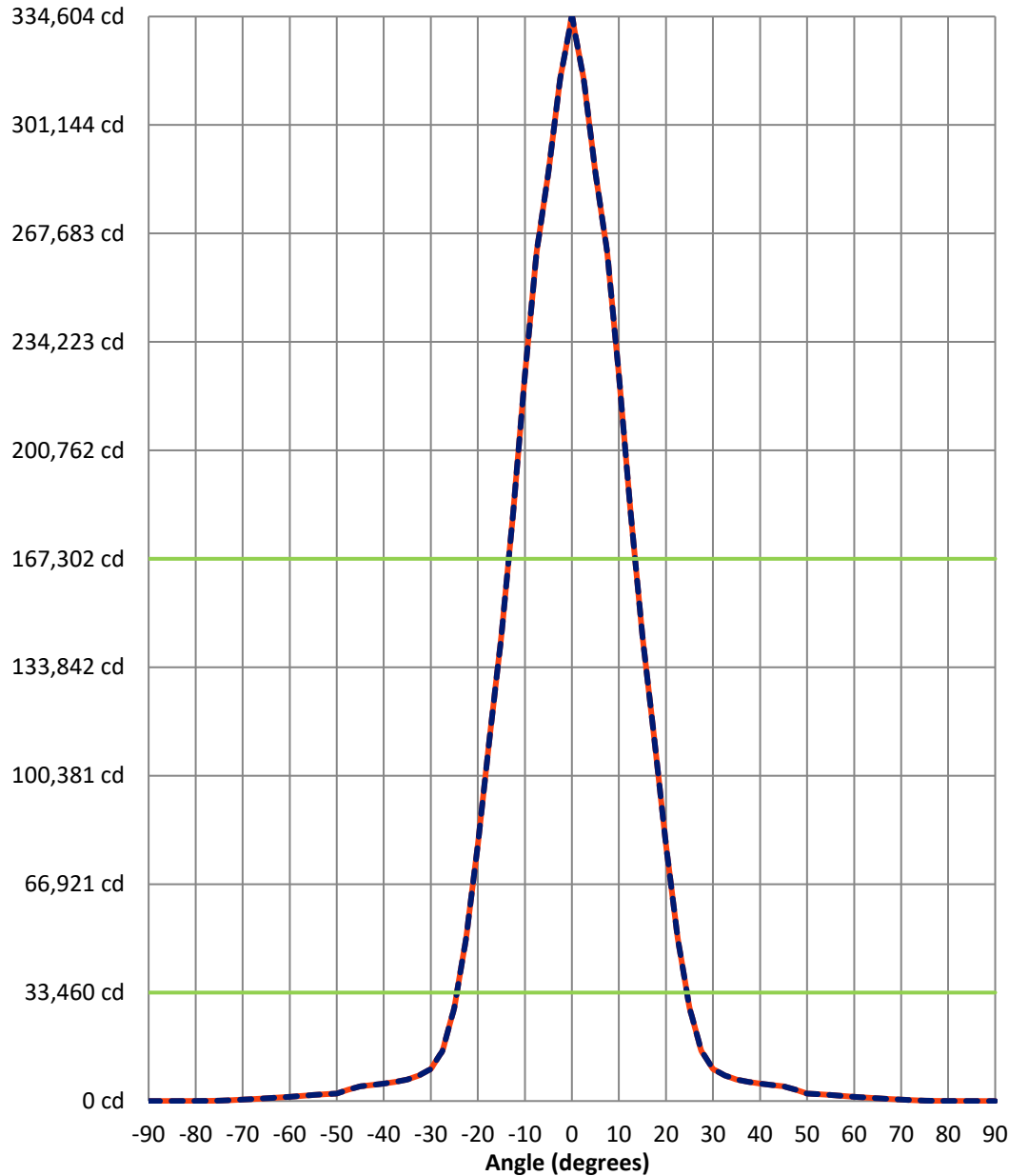
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 26.9°  
 V Angle: 26.9°  
 Lumens: 39183.9  
 Efficiency: 43.4%

**Field:**  
 H Angle: 48.9°  
 V Angle: 48.9°  
 Lumens: 75017.7  
 Efficiency: 83.0%

**Spill:**  
 Lumens: 15354.3  
 Efficiency: 17.0%

- 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	0.3	0.5	0.8	1.1	1.3	1.6	1.8	2.1	2.3	2.6
85°	0.0	0.5	1.1	1.6	2.1	2.6	3.2	3.7	4.2	4.7	5.2
82.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.7	5.5	6.2	6.8	7.3
80°	0.0	1.1	2.1	3.2	4.2	5.3	6.2	7.0	7.7	8.5	9.2
77.5°	0.0	1.3	2.6	4.0	5.3	6.4	7.4	8.3	9.2	10.2	11.4
75°	0.0	1.6	3.2	4.7	6.2	7.4	8.5	9.6	10.8	12.7	14.5
72.5°	0.0	1.8	3.7	5.5	7.0	8.3	9.6	11.2	13.3	15.5	17.6
70°	0.0	2.1	4.2	6.2	7.7	9.2	10.8	13.3	15.8	18.3	21.7
67.5°	0.0	2.3	4.7	6.8	8.5	10.2	12.7	15.5	18.3	22.1	25.9
65°	0.0	2.6	5.2	7.3	9.2	11.4	14.5	17.6	21.7	25.9	31.4
62.5°	0.0	2.8	5.6	7.8	9.9	12.8	16.3	20.3	25.0	30.4	39.6
60°	0.0	3.0	6.1	8.3	10.6	14.3	18.0	23.1	28.2	37.7	47.6
57.5°	0.0	3.3	6.4	8.8	11.7	15.7	20.3	25.9	33.9	44.8	68.4
55°	0.0	3.5	6.8	9.3	12.8	17.1	22.6	28.6	40.1	55.4	94.8
52.5°	0.0	3.7	7.1	9.8	13.8	18.5	24.9	33.6	46.1	78.6	120.5
50°	0.0	3.9	7.4	10.3	14.9	20.3	27.1	38.7	56.0	101.0	167.3
47.5°	0.0	4.1	7.7	10.8	15.9	22.1	29.5	43.6	75.3	122.7	215.0
45°	0.0	4.3	8.0	11.5	16.8	23.8	33.5	48.3	93.9	163.6	261.1
42.5°	0.0	4.5	8.2	12.2	17.8	25.4	37.4	59.2	111.7	203.4	315.4
40°	0.0	4.7	8.5	12.8	18.8	26.9	41.1	74.1	134.1	241.4	369.0
37.5°	0.0	4.8	8.7	13.5	20.0	28.4	44.7	88.2	166.2	280.3	420.2
35°	0.0	5.0	9.0	14.1	21.1	30.7	48.0	101.6	196.6	323.7	468.2
32.5°	0.0	5.1	9.2	14.6	22.1	33.3	53.4	114.2	225.2	364.6	512.8
30°	0.0	5.3	9.4	15.1	23.1	35.7	63.4	128.7	252.0	403.0	554.6
27.5°	0.0	5.4	9.6	15.6	24.0	38.0	72.7	150.3	279.3	438.6	593.6
25°	0.0	5.5	9.8	16.1	24.9	40.1	81.3	170.3	308.3	471.0	629.9
22.5°	0.0	5.6	9.9	16.5	25.6	42.0	89.2	188.5	334.8	500.3	671.4
20°	0.0	5.7	10.1	16.8	26.3	43.7	96.2	204.9	358.6	526.7	708.9
17.5°	0.0	5.8	10.2	17.1	26.9	45.2	102.5	219.4	379.9	550.1	742.3
15°	0.0	5.9	10.3	17.4	27.4	46.5	107.9	232.1	398.3	570.6	771.4
12.5°	0.0	6.0	10.4	17.7	27.9	47.6	112.6	242.9	414.1	588.0	796.2
10°	0.0	6.0	10.5	17.9	28.2	48.6	116.4	251.8	427.0	602.4	816.6
7.5°	0.0	6.0	10.5	18.0	28.5	49.3	119.4	258.7	437.1	613.6	832.5
5°	0.0	6.1	10.6	18.1	28.7	49.8	121.5	263.6	444.3	621.6	843.9
2.5°	0.0	6.1	10.6	18.2	28.9	50.1	122.8	266.6	448.7	626.4	850.8
0°	0.0	6.1	10.6	18.2	28.9	50.2	123.2	267.6	450.1	628.0	853.1
-2.5°	0.0	6.1	10.6	18.2	28.9	50.1	122.8	266.6	448.7	626.4	850.8
-5°	0.0	6.1	10.6	18.1	28.7	49.8	121.5	263.6	444.3	621.6	843.9
-7.5°	0.0	6.0	10.5	18.0	28.5	49.3	119.4	258.7	437.1	613.6	832.5
-10°	0.0	6.0	10.5	17.9	28.2	48.6	116.4	251.8	427.0	602.4	816.6
-12.5°	0.0	6.0	10.4	17.7	27.9	47.6	112.6	242.9	414.1	588.0	796.2
-15°	0.0	5.9	10.3	17.4	27.4	46.5	107.9	232.1	398.3	570.6	771.4
-17.5°	0.0	5.8	10.2	17.1	26.9	45.2	102.5	219.4	379.9	550.1	742.3
-20°	0.0	5.7	10.1	16.8	26.3	43.7	96.2	204.9	358.6	526.7	708.9



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 CATALOG NUMBER: EPH-08-640L-40-80-3S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.6	9.9	16.5	25.6	42.0	89.2	188.5	334.8	500.3	671.4
-25°	0.0	5.5	9.8	16.1	24.9	40.1	81.3	170.3	308.3	471.0	629.9
-27.5°	0.0	5.4	9.6	15.6	24.0	38.0	72.7	150.3	279.3	438.6	593.6
-30°	0.0	5.3	9.4	15.1	23.1	35.7	63.4	128.7	252.0	403.0	554.6
-32.5°	0.0	5.1	9.2	14.6	22.1	33.3	53.4	114.2	225.2	364.6	512.8
-35°	0.0	5.0	9.0	14.1	21.1	30.7	48.0	101.6	196.6	323.7	468.2
-37.5°	0.0	4.8	8.7	13.5	20.0	28.4	44.7	88.2	166.2	280.3	420.2
-40°	0.0	4.7	8.5	12.8	18.8	26.9	41.1	74.1	134.1	241.4	369.0
-42.5°	0.0	4.5	8.2	12.2	17.8	25.4	37.4	59.2	111.7	203.4	315.4
-45°	0.0	4.3	8.0	11.5	16.8	23.8	33.5	48.3	93.9	163.6	261.1
-47.5°	0.0	4.1	7.7	10.8	15.9	22.1	29.5	43.6	75.3	122.7	215.0
-50°	0.0	3.9	7.4	10.3	14.9	20.3	27.1	38.7	56.0	101.0	167.3
-52.5°	0.0	3.7	7.1	9.8	13.8	18.5	24.9	33.6	46.1	78.6	120.5
-55°	0.0	3.5	6.8	9.3	12.8	17.1	22.6	28.6	40.1	55.4	94.8
-57.5°	0.0	3.3	6.4	8.8	11.7	15.7	20.3	25.9	33.9	44.8	68.4
-60°	0.0	3.0	6.1	8.3	10.6	14.3	18.0	23.1	28.2	37.7	47.6
-62.5°	0.0	2.8	5.6	7.8	9.9	12.8	16.3	20.3	25.0	30.4	39.6
-65°	0.0	2.6	5.2	7.3	9.2	11.4	14.5	17.6	21.7	25.9	31.4
-67.5°	0.0	2.3	4.7	6.8	8.5	10.2	12.7	15.5	18.3	22.1	25.9
-70°	0.0	2.1	4.2	6.2	7.7	9.2	10.8	13.3	15.8	18.3	21.7
-72.5°	0.0	1.8	3.7	5.5	7.0	8.3	9.6	11.2	13.3	15.5	17.6
-75°	0.0	1.6	3.2	4.7	6.2	7.4	8.5	9.6	10.8	12.7	14.5
-77.5°	0.0	1.3	2.6	4.0	5.3	6.4	7.4	8.3	9.2	10.2	11.4
-80°	0.0	1.1	2.1	3.2	4.2	5.3	6.2	7.0	7.7	8.5	9.2
-82.5°	0.0	0.8	1.6	2.4	3.2	4.0	4.7	5.5	6.2	6.8	7.3
-85°	0.0	0.5	1.1	1.6	2.1	2.6	3.2	3.7	4.2	4.7	5.2
-87.5°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.8	2.1	2.3	2.6
-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°	2.8	3.0	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.8
85°	5.6	6.1	6.4	6.8	7.1	7.4	7.7	8.0	8.2	8.5	8.7
82.5°	7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.5	12.2	12.8	13.5
80°	9.9	10.6	11.7	12.8	13.8	14.9	15.9	16.8	17.8	18.8	20.0
77.5°	12.8	14.3	15.7	17.1	18.5	20.3	22.1	23.8	25.4	26.9	28.4
75°	16.3	18.0	20.3	22.6	24.9	27.1	29.5	33.5	37.4	41.1	44.7
72.5°	20.3	23.1	25.9	28.6	33.6	38.7	43.6	48.3	59.2	74.1	88.2
70°	25.0	28.2	33.9	40.1	46.1	56.0	75.3	93.9	111.7	134.1	166.2
67.5°	30.4	37.7	44.8	55.4	78.6	101.0	122.7	163.6	203.4	241.4	280.3
65°	39.6	47.6	68.4	94.8	120.5	167.3	215.0	261.1	315.4	369.0	420.2
62.5°	48.6	75.0	104.7	143.9	199.8	254.1	317.0	381.2	443.1	501.0	556.1
60°	75.0	107.9	156.9	219.4	283.7	358.6	431.3	500.3	566.2	629.9	706.4
57.5°	104.7	156.9	226.0	300.4	383.8	464.6	541.5	615.8	703.4	790.5	874.3
55°	143.9	219.4	300.4	392.2	481.2	566.4	654.9	756.5	854.6	950.9	1043.0
52.5°	199.8	283.7	383.8	481.2	574.8	676.2	788.7	898.7	1006.3	1109.3	1206.0
50°	254.1	358.6	464.6	566.4	676.2	799.5	920.9	1039.9	1153.2	1261.5	1379.5
47.5°	317.0	431.3	541.5	654.9	788.7	920.9	1051.2	1175.4	1295.0	1435.4	1573.1
45°	381.2	500.3	615.8	756.5	898.7	1039.9	1175.4	1306.3	1463.7	1617.4	1770.7
42.5°	443.1	566.2	703.4	854.6	1006.3	1153.2	1295.0	1463.7	1632.4	1801.2	1948.6
40°	501.0	629.9	790.5	950.9	1109.3	1261.5	1435.4	1617.4	1801.2	1961.5	2105.1
37.5°	556.1	706.4	874.3	1043.0	1206.0	1379.5	1573.1	1770.7	1948.6	2105.1	2232.2
35°	608.4	779.1	955.2	1129.6	1298.4	1502.4	1710.3	1910.1	2078.8	2221.1	2571.1
32.5°	665.8	847.8	1031.8	1210.7	1405.0	1620.9	1841.4	2026.7	2187.8	2431.6	3286.2
30°	724.4	913.6	1103.3	1287.0	1507.4	1736.3	1949.7	2133.0	2285.9	3072.8	3892.1
27.5°	779.1	975.0	1168.8	1370.7	1604.1	1844.4	2046.5	2219.3	2722.1	3653.1	4425.9
25°	829.6	1031.8	1229.5	1452.5	1696.9	1932.6	2132.6	2299.9	3252.1	4121.8	4696.7
22.5°	876.2	1083.8	1285.0	1527.6	1782.2	2009.5	2201.5	2696.5	3705.5	4544.6	4888.2
20°	918.8	1129.6	1342.2	1596.2	1859.7	2079.4	2264.3	3112.0	4075.1	4707.9	5071.4
17.5°	956.7	1170.4	1397.7	1659.7	1919.2	2136.9	2367.4	3485.1	4407.8	4855.3	5240.5
15°	989.8	1206.0	1446.3	1715.3	1969.7	2182.4	2670.3	3764.0	4603.9	4988.0	5391.5
12.5°	1018.0	1236.4	1487.7	1762.7	2012.8	2221.3	2929.8	3996.4	4707.3	5107.3	5550.3
10°	1041.2	1261.5	1521.8	1801.8	2048.3	2253.5	3144.3	4188.8	4793.1	5206.4	5682.5
7.5°	1059.3	1281.0	1548.5	1832.4	2076.2	2278.7	3312.7	4339.9	4860.6	5284.5	5786.8
5°	1072.3	1295.0	1567.6	1854.4	2096.1	2296.8	3433.7	4448.7	4909.2	5340.8	5862.2
2.5°	1080.1	1303.5	1579.2	1867.6	2108.2	2307.8	3506.6	4514.3	4938.5	5374.8	5907.8
0°	1082.7	1306.3	1583.0	1872.0	2112.2	2311.4	3531.0	4536.2	4948.3	5386.2	5923.0
-2.5°	1080.1	1303.5	1579.2	1867.6	2108.2	2307.8	3506.6	4514.3	4938.5	5374.8	5907.8
-5°	1072.3	1295.0	1567.6	1854.4	2096.1	2296.8	3433.7	4448.7	4909.2	5340.8	5862.2
-7.5°	1059.3	1281.0	1548.5	1832.4	2076.2	2278.7	3312.7	4339.9	4860.6	5284.5	5786.8
-10°	1041.2	1261.5	1521.8	1801.8	2048.3	2253.5	3144.3	4188.8	4793.1	5206.4	5682.5
-12.5°	1018.0	1236.4	1487.7	1762.7	2012.8	2221.3	2929.8	3996.4	4707.3	5107.3	5550.3
-15°	989.8	1206.0	1446.3	1715.3	1969.7	2182.4	2670.3	3764.0	4603.9	4988.0	5391.5
-17.5°	956.7	1170.4	1397.7	1659.7	1919.2	2136.9	2367.4	3485.1	4407.8	4855.3	5240.5
-20°	918.8	1129.6	1342.2	1596.2	1859.7	2079.4	2264.3	3112.0	4075.1	4707.9	5071.4



REPORT NUMBER: P1305385 (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°	876.2	1083.8	1285.0	1527.6	1782.2	2009.5	2201.5	2696.5	3705.5	4544.6	4888.2
-25°	829.6	1031.8	1229.5	1452.5	1696.9	1932.6	2132.6	2299.9	3252.1	4121.8	4696.7
-27.5°	779.1	975.0	1168.8	1370.7	1604.1	1844.4	2046.5	2219.3	2722.1	3653.1	4425.9
-30°	724.4	913.6	1103.3	1287.0	1507.4	1736.3	1949.7	2133.0	2285.9	3072.8	3892.1
-32.5°	665.8	847.8	1031.8	1210.7	1405.0	1620.9	1841.4	2026.7	2187.8	2431.6	3286.2
-35°	608.4	779.1	955.2	1129.6	1298.4	1502.4	1710.3	1910.1	2078.8	2221.1	2571.1
-37.5°	556.1	706.4	874.3	1043.0	1206.0	1379.5	1573.1	1770.7	1948.6	2105.1	2232.2
-40°	501.0	629.9	790.5	950.9	1109.3	1261.5	1435.4	1617.4	1801.2	1961.5	2105.1
-42.5°	443.1	566.2	703.4	854.6	1006.3	1153.2	1295.0	1463.7	1632.4	1801.2	1948.6
-45°	381.2	500.3	615.8	756.5	898.7	1039.9	1175.4	1306.3	1463.7	1617.4	1770.7
-47.5°	317.0	431.3	541.5	654.9	788.7	920.9	1051.2	1175.4	1295.0	1435.4	1573.1
-50°	254.1	358.6	464.6	566.4	676.2	799.5	920.9	1039.9	1153.2	1261.5	1379.5
-52.5°	199.8	283.7	383.8	481.2	574.8	676.2	788.7	898.7	1006.3	1109.3	1206.0
-55°	143.9	219.4	300.4	392.2	481.2	566.4	654.9	756.5	854.6	950.9	1043.0
-57.5°	104.7	156.9	226.0	300.4	383.8	464.6	541.5	615.8	703.4	790.5	874.3
-60°	75.0	107.9	156.9	219.4	283.7	358.6	431.3	500.3	566.2	629.9	706.4
-62.5°	48.6	75.0	104.7	143.9	199.8	254.1	317.0	381.2	443.1	501.0	556.1
-65°	39.6	47.6	68.4	94.8	120.5	167.3	215.0	261.1	315.4	369.0	420.2
-67.5°	30.4	37.7	44.8	55.4	78.6	101.0	122.7	163.6	203.4	241.4	280.3
-70°	25.0	28.2	33.9	40.1	46.1	56.0	75.3	93.9	111.7	134.1	166.2
-72.5°	20.3	23.1	25.9	28.6	33.6	38.7	43.6	48.3	59.2	74.1	88.2
-75°	16.3	18.0	20.3	22.6	24.9	27.1	29.5	33.5	37.4	41.1	44.7
-77.5°	12.8	14.3	15.7	17.1	18.5	20.3	22.1	23.8	25.4	26.9	28.4
-80°	9.9	10.6	11.7	12.8	13.8	14.9	15.9	16.8	17.8	18.8	20.0
-82.5°	7.8	8.3	8.8	9.3	9.8	10.3	10.8	11.5	12.2	12.8	13.5
-85°	5.6	6.1	6.4	6.8	7.1	7.4	7.7	8.0	8.2	8.5	8.7
-87.5°	2.8	3.0	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.8
-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):**

	-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°	5.0	5.1	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.0
85°	9.0	9.2	9.4	9.6	9.8	9.9	10.1	10.2	10.3	10.4	10.5
82.5°	14.1	14.6	15.1	15.6	16.1	16.5	16.8	17.1	17.4	17.7	17.9
80°	21.1	22.1	23.1	24.0	24.9	25.6	26.3	26.9	27.4	27.9	28.2
77.5°	30.7	33.3	35.7	38.0	40.1	42.0	43.7	45.2	46.5	47.6	48.6
75°	48.0	53.4	63.4	72.7	81.3	89.2	96.2	102.5	107.9	112.6	116.4
72.5°	101.6	114.2	128.7	150.3	170.3	188.5	204.9	219.4	232.1	242.9	251.8
70°	196.6	225.2	252.0	279.3	308.3	334.8	358.6	379.9	398.3	414.1	427.0
67.5°	323.7	364.6	403.0	438.6	471.0	500.3	526.7	550.1	570.6	588.0	602.4
65°	468.2	512.8	554.6	593.6	629.9	671.4	708.9	742.3	771.4	796.2	816.6
62.5°	608.4	665.8	724.4	779.1	829.6	876.2	918.8	956.7	989.8	1018.0	1041.2
60°	779.1	847.8	913.6	975.0	1031.8	1083.8	1129.6	1170.4	1206.0	1236.4	1261.5
57.5°	955.2	1031.8	1103.3	1168.8	1229.5	1285.0	1342.2	1397.7	1446.3	1487.7	1521.8
55°	1129.6	1210.7	1287.0	1370.7	1452.5	1527.6	1596.2	1659.7	1715.3	1762.7	1801.8
52.5°	1298.4	1405.0	1507.4	1604.1	1696.9	1782.2	1859.7	1919.2	1969.7	2012.8	2048.3
50°	1502.4	1620.9	1736.3	1844.4	1932.6	2009.5	2079.4	2136.9	2182.4	2221.3	2253.5
47.5°	1710.3	1841.4	1949.7	2046.5	2132.6	2201.5	2264.3	2367.4	2670.3	2929.8	3144.3
45°	1910.1	2026.7	2133.0	2219.3	2299.9	2696.5	3112.0	3485.1	3764.0	3996.4	4188.8
42.5°	2078.8	2187.8	2285.9	2722.1	3252.1	3705.5	4075.1	4407.8	4603.9	4707.3	4793.1
40°	2221.1	2431.6	3072.8	3653.1	4121.8	4544.6	4707.9	4855.3	4988.0	5107.3	5206.4
37.5°	2571.1	3286.2	3892.1	4425.9	4696.7	4888.2	5071.4	5240.5	5391.5	5550.3	5682.5
35°	3357.9	4013.0	4567.0	4800.2	5024.8	5243.0	5457.4	5681.3	5880.4	6095.5	6286.9
32.5°	4013.0	4592.5	4852.7	5110.5	5360.1	5641.0	5906.3	6222.0	6508.7	6853.1	7225.2
30°	4567.0	4852.7	5139.3	5427.0	5753.4	6105.6	6484.6	6984.1	7538.3	8086.4	8721.8
27.5°	4800.2	5110.5	5427.0	5791.2	6209.6	6653.4	7379.5	8125.7	9065.5	9889.8	11872.1
25°	5024.8	5360.1	5753.4	6209.6	6750.4	7581.1	8615.8	9742.4	12378.9	14953.0	19252.9
22.5°	5243.0	5641.0	6105.6	6653.4	7581.1	8781.6	10451.3	13926.9	19158.5	25763.6	32984.6
20°	5457.4	5906.3	6484.6	7379.5	8615.8	10451.3	14451.9	21744.8	30436.2	42116.2	52898.3
17.5°	5681.3	6222.0	6984.1	8125.7	9742.4	13926.9	21744.8	32668.7	46850.4	63027.8	78197.6
15°	5880.4	6508.7	7538.3	9065.5	12378.9	19158.5	30436.2	46850.4	66502.3	86557.4	105906.6
12.5°	6095.5	6853.1	8086.4	9889.8	14953.0	25763.6	42116.2	63027.8	86557.4	110606.2	131427.6
10°	6286.9	7225.2	8721.8	11872.1	19252.9	32984.6	52898.3	78197.6	105906.6	131427.6	156266.5
7.5°	6438.2	7520.3	9227.5	13461.9	23368.2	40347.2	64015.3	92353.7	121683.7	149968.3	181728.0
5°	6547.7	7734.3	9595.2	14622.0	26384.6	45775.2	72274.6	103076.9	133500.9	166472.8	202800.3
2.5°	6614.0	7864.0	9818.6	15328.4	28227.4	49105.2	77371.1	109748.0	140941.3	177548.4	218266.9
0°	6636.2	7907.5	9893.5	15565.7	28847.3	50228.0	79095.0	112014.7	143486.6	181368.3	223833.2
-2.5°	6614.0	7864.0	9818.6	15328.4	28227.4	49105.2	77371.1	109748.0	140941.3	177548.4	218266.9
-5°	6547.7	7734.3	9595.2	14622.0	26384.6	45775.2	72274.6	103076.9	133500.9	166472.8	202800.3
-7.5°	6438.2	7520.3	9227.5	13461.9	23368.2	40347.2	64015.3	92353.7	121683.7	149968.3	181728.0
-10°	6286.9	7225.2	8721.8	11872.1	19252.9	32984.6	52898.3	78197.6	105906.6	131427.6	156266.5
-12.5°	6095.5	6853.1	8086.4	9889.8	14953.0	25763.6	42116.2	63027.8	86557.4	110606.2	131427.6
-15°	5880.4	6508.7	7538.3	9065.5	12378.9	19158.5	30436.2	46850.4	66502.3	86557.4	105906.6
-17.5°	5681.3	6222.0	6984.1	8125.7	9742.4	13926.9	21744.8	32668.7	46850.4	63027.8	78197.6
-20°	5457.4	5906.3	6484.6	7379.5	8615.8	10451.3	14451.9	21744.8	30436.2	42116.2	52898.3



REPORT NUMBER: P1305385 (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°
-22.5°	5243.0	5641.0	6105.6	6653.4	7581.1	8781.6	10451.3	13926.9	19158.5	25763.6	32984.6
-25°	5024.8	5360.1	5753.4	6209.6	6750.4	7581.1	8615.8	9742.4	12378.9	14953.0	19252.9
-27.5°	4800.2	5110.5	5427.0	5791.2	6209.6	6653.4	7379.5	8125.7	9065.5	9889.8	11872.1
-30°	4567.0	4852.7	5139.3	5427.0	5753.4	6105.6	6484.6	6984.1	7538.3	8086.4	8721.8
-32.5°	4013.0	4592.5	4852.7	5110.5	5360.1	5641.0	5906.3	6222.0	6508.7	6853.1	7225.2
-35°	3357.9	4013.0	4567.0	4800.2	5024.8	5243.0	5457.4	5681.3	5880.4	6095.5	6286.9
-37.5°	2571.1	3286.2	3892.1	4425.9	4696.7	4888.2	5071.4	5240.5	5391.5	5550.3	5682.5
-40°	2221.1	2431.6	3072.8	3653.1	4121.8	4544.6	4707.9	4855.3	4988.0	5107.3	5206.4
-42.5°	2078.8	2187.8	2285.9	2722.1	3252.1	3705.5	4075.1	4407.8	4603.9	4707.3	4793.1
-45°	1910.1	2026.7	2133.0	2219.3	2299.9	2696.5	3112.0	3485.1	3764.0	3996.4	4188.8
-47.5°	1710.3	1841.4	1949.7	2046.5	2132.6	2201.5	2264.3	2367.4	2670.3	2929.8	3144.3
-50°	1502.4	1620.9	1736.3	1844.4	1932.6	2009.5	2079.4	2136.9	2182.4	2221.3	2253.5
-52.5°	1298.4	1405.0	1507.4	1604.1	1696.9	1782.2	1859.7	1919.2	1969.7	2012.8	2048.3
-55°	1129.6	1210.7	1287.0	1370.7	1452.5	1527.6	1596.2	1659.7	1715.3	1762.7	1801.8
-57.5°	955.2	1031.8	1103.3	1168.8	1229.5	1285.0	1342.2	1397.7	1446.3	1487.7	1521.8
-60°	779.1	847.8	913.6	975.0	1031.8	1083.8	1129.6	1170.4	1206.0	1236.4	1261.5
-62.5°	608.4	665.8	724.4	779.1	829.6	876.2	918.8	956.7	989.8	1018.0	1041.2
-65°	468.2	512.8	554.6	593.6	629.9	671.4	708.9	742.3	771.4	796.2	816.6
-67.5°	323.7	364.6	403.0	438.6	471.0	500.3	526.7	550.1	570.6	588.0	602.4
-70°	196.6	225.2	252.0	279.3	308.3	334.8	358.6	379.9	398.3	414.1	427.0
-72.5°	101.6	114.2	128.7	150.3	170.3	188.5	204.9	219.4	232.1	242.9	251.8
-75°	48.0	53.4	63.4	72.7	81.3	89.2	96.2	102.5	107.9	112.6	116.4
-77.5°	30.7	33.3	35.7	38.0	40.1	42.0	43.7	45.2	46.5	47.6	48.6
-80°	21.1	22.1	23.1	24.0	24.9	25.6	26.3	26.9	27.4	27.9	28.2
-82.5°	14.1	14.6	15.1	15.6	16.1	16.5	16.8	17.1	17.4	17.7	17.9
-85°	9.0	9.2	9.4	9.6	9.8	9.9	10.1	10.2	10.3	10.4	10.5
-87.5°	5.0	5.1	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305385 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-80-3S-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°	6.0	6.1	6.1	6.1	6.1	6.1	6.0	6.0	6.0	5.9	5.8
85°	10.5	10.6	10.6	10.6	10.6	10.6	10.5	10.5	10.4	10.3	10.2
82.5°	18.0	18.1	18.2	18.2	18.2	18.1	18.0	17.9	17.7	17.4	17.1
80°	28.5	28.7	28.9	28.9	28.9	28.7	28.5	28.2	27.9	27.4	26.9
77.5°	49.3	49.8	50.1	50.2	50.1	49.8	49.3	48.6	47.6	46.5	45.2
75°	119.4	121.5	122.8	123.2	122.8	121.5	119.4	116.4	112.6	107.9	102.5
72.5°	258.7	263.6	266.6	267.6	266.6	263.6	258.7	251.8	242.9	232.1	219.4
70°	437.1	444.3	448.7	450.1	448.7	444.3	437.1	427.0	414.1	398.3	379.9
67.5°	613.6	621.6	626.4	628.0	626.4	621.6	613.6	602.4	588.0	570.6	550.1
65°	832.5	843.9	850.8	853.1	850.8	843.9	832.5	816.6	796.2	771.4	742.3
62.5°	1059.3	1072.3	1080.1	1082.7	1080.1	1072.3	1059.3	1041.2	1018.0	989.8	956.7
60°	1281.0	1295.0	1303.5	1306.3	1303.5	1295.0	1281.0	1261.5	1236.4	1206.0	1170.4
57.5°	1548.5	1567.6	1579.2	1583.0	1579.2	1567.6	1548.5	1521.8	1487.7	1446.3	1397.7
55°	1832.4	1854.4	1867.6	1872.0	1867.6	1854.4	1832.4	1801.8	1762.7	1715.3	1659.7
52.5°	2076.2	2096.1	2108.2	2112.2	2108.2	2096.1	2076.2	2048.3	2012.8	1969.7	1919.2
50°	2278.7	2296.8	2307.8	2311.4	2307.8	2296.8	2278.7	2253.5	2221.3	2182.4	2136.9
47.5°	3312.7	3433.7	3506.6	3531.0	3506.6	3433.7	3312.7	3144.3	2929.8	2670.3	2367.4
45°	4339.9	4448.7	4514.3	4536.2	4514.3	4448.7	4339.9	4188.8	3996.4	3764.0	3485.1
42.5°	4860.6	4909.2	4938.5	4948.3	4938.5	4909.2	4860.6	4793.1	4707.3	4603.9	4407.8
40°	5284.5	5340.8	5374.8	5386.2	5374.8	5340.8	5284.5	5206.4	5107.3	4988.0	4855.3
37.5°	5786.8	5862.2	5907.8	5923.0	5907.8	5862.2	5786.8	5682.5	5550.3	5391.5	5240.5
35°	6438.2	6547.7	6614.0	6636.2	6614.0	6547.7	6438.2	6286.9	6095.5	5880.4	5681.3
32.5°	7520.3	7734.3	7864.0	7907.5	7864.0	7734.3	7520.3	7225.2	6853.1	6508.7	6222.0
30°	9227.5	9595.2	9818.6	9893.5	9818.6	9595.2	9227.5	8721.8	8086.4	7538.3	6984.1
27.5°	13461.9	14622.0	15328.4	15565.7	15328.4	14622.0	13461.9	11872.1	9889.8	9065.5	8125.7
25°	23368.2	26384.6	28227.4	28847.3	28227.4	26384.6	23368.2	19252.9	14953.0	12378.9	9742.4
22.5°	40347.2	45775.2	49105.2	50228.0	49105.2	45775.2	40347.2	32984.6	25763.6	19158.5	13926.9
20°	64015.3	72274.6	77371.1	79095.0	77371.1	72274.6	64015.3	52898.3	42116.2	30436.2	21744.8
17.5°	92353.7	103076.9	109748.0	112014.7	109748.0	103076.9	92353.7	78197.6	63027.8	46850.4	32668.7
15°	121683.7	133500.9	140941.3	143486.6	140941.3	133500.9	121683.7	105906.6	86557.4	66502.3	46850.4
12.5°	149968.3	166472.8	177548.4	181368.3	177548.4	166472.8	149968.3	131427.6	110606.2	86557.4	63027.8
10°	181728.0	202800.3	218266.9	223833.2	218266.9	202800.3	181728.0	156266.5	131427.6	105906.6	78197.6
7.5°	213028.5	241475.6	257211.1	261882.9	257211.1	241475.6	213028.5	181728.0	149968.3	121683.7	92353.7
5°	241475.6	266901.9	281456.0	286491.2	281456.0	266901.9	241475.6	202800.3	166472.8	133500.9	103076.9
2.5°	257211.1	281456.0	301658.6	315367.4	301658.6	281456.0	257211.1	218266.9	177548.4	140941.3	109748.0
0°	261882.9	286491.2	315367.4	334604.0	315367.4	286491.2	261882.9	223833.2	181368.3	143486.6	112014.7
-2.5°	257211.1	281456.0	301658.6	315367.4	301658.6	281456.0	257211.1	218266.9	177548.4	140941.3	109748.0
-5°	241475.6	266901.9	281456.0	286491.2	281456.0	266901.9	241475.6	202800.3	166472.8	133500.9	103076.9
-7.5°	213028.5	241475.6	257211.1	261882.9	257211.1	241475.6	213028.5	181728.0	149968.3	121683.7	92353.7
-10°	181728.0	202800.3	218266.9	223833.2	218266.9	202800.3	181728.0	156266.5	131427.6	105906.6	78197.6
-12.5°	149968.3	166472.8	177548.4	181368.3	177548.4	166472.8	149968.3	131427.6	110606.2	86557.4	63027.8
-15°	121683.7	133500.9	140941.3	143486.6	140941.3	133500.9	121683.7	105906.6	86557.4	66502.3	46850.4
-17.5°	92353.7	103076.9	109748.0	112014.7	109748.0	103076.9	92353.7	78197.6	63027.8	46850.4	32668.7
-20°	64015.3	72274.6	77371.1	79095.0	77371.1	72274.6	64015.3	52898.3	42116.2	30436.2	21744.8



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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°	40347.2	45775.2	49105.2	50228.0	49105.2	45775.2	40347.2	32984.6	25763.6	19158.5	13926.9
-25°	23368.2	26384.6	28227.4	28847.3	28227.4	26384.6	23368.2	19252.9	14953.0	12378.9	9742.4
-27.5°	13461.9	14622.0	15328.4	15565.7	15328.4	14622.0	13461.9	11872.1	9889.8	9065.5	8125.7
-30°	9227.5	9595.2	9818.6	9893.5	9818.6	9595.2	9227.5	8721.8	8086.4	7538.3	6984.1
-32.5°	7520.3	7734.3	7864.0	7907.5	7864.0	7734.3	7520.3	7225.2	6853.1	6508.7	6222.0
-35°	6438.2	6547.7	6614.0	6636.2	6614.0	6547.7	6438.2	6286.9	6095.5	5880.4	5681.3
-37.5°	5786.8	5862.2	5907.8	5923.0	5907.8	5862.2	5786.8	5682.5	5550.3	5391.5	5240.5
-40°	5284.5	5340.8	5374.8	5386.2	5374.8	5340.8	5284.5	5206.4	5107.3	4988.0	4855.3
-42.5°	4860.6	4909.2	4938.5	4948.3	4938.5	4909.2	4860.6	4793.1	4707.3	4603.9	4407.8
-45°	4339.9	4448.7	4514.3	4536.2	4514.3	4448.7	4339.9	4188.8	3996.4	3764.0	3485.1
-47.5°	3312.7	3433.7	3506.6	3531.0	3506.6	3433.7	3312.7	3144.3	2929.8	2670.3	2367.4
-50°	2278.7	2296.8	2307.8	2311.4	2307.8	2296.8	2278.7	2253.5	2221.3	2182.4	2136.9
-52.5°	2076.2	2096.1	2108.2	2112.2	2108.2	2096.1	2076.2	2048.3	2012.8	1969.7	1919.2
-55°	1832.4	1854.4	1867.6	1872.0	1867.6	1854.4	1832.4	1801.8	1762.7	1715.3	1659.7
-57.5°	1548.5	1567.6	1579.2	1583.0	1579.2	1567.6	1548.5	1521.8	1487.7	1446.3	1397.7
-60°	1281.0	1295.0	1303.5	1306.3	1303.5	1295.0	1281.0	1261.5	1236.4	1206.0	1170.4
-62.5°	1059.3	1072.3	1080.1	1082.7	1080.1	1072.3	1059.3	1041.2	1018.0	989.8	956.7
-65°	832.5	843.9	850.8	853.1	850.8	843.9	832.5	816.6	796.2	771.4	742.3
-67.5°	613.6	621.6	626.4	628.0	626.4	621.6	613.6	602.4	588.0	570.6	550.1
-70°	437.1	444.3	448.7	450.1	448.7	444.3	437.1	427.0	414.1	398.3	379.9
-72.5°	258.7	263.6	266.6	267.6	266.6	263.6	258.7	251.8	242.9	232.1	219.4
-75°	119.4	121.5	122.8	123.2	122.8	121.5	119.4	116.4	112.6	107.9	102.5
-77.5°	49.3	49.8	50.1	50.2	50.1	49.8	49.3	48.6	47.6	46.5	45.2
-80°	28.5	28.7	28.9	28.9	28.9	28.7	28.5	28.2	27.9	27.4	26.9
-82.5°	18.0	18.1	18.2	18.2	18.2	18.1	18.0	17.9	17.7	17.4	17.1
-85°	10.5	10.6	10.6	10.6	10.6	10.6	10.5	10.5	10.4	10.3	10.2
-87.5°	6.0	6.1	6.1	6.1	6.1	6.1	6.0	6.0	6.0	5.9	5.8
-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°	5.7	5.6	5.5	5.4	5.3	5.1	5.0	4.8	4.7	4.5	4.3
85°	10.1	9.9	9.8	9.6	9.4	9.2	9.0	8.7	8.5	8.2	8.0
82.5°	16.8	16.5	16.1	15.6	15.1	14.6	14.1	13.5	12.8	12.2	11.5
80°	26.3	25.6	24.9	24.0	23.1	22.1	21.1	20.0	18.8	17.8	16.8
77.5°	43.7	42.0	40.1	38.0	35.7	33.3	30.7	28.4	26.9	25.4	23.8
75°	96.2	89.2	81.3	72.7	63.4	53.4	48.0	44.7	41.1	37.4	33.5
72.5°	204.9	188.5	170.3	150.3	128.7	114.2	101.6	88.2	74.1	59.2	48.3
70°	358.6	334.8	308.3	279.3	252.0	225.2	196.6	166.2	134.1	111.7	93.9
67.5°	526.7	500.3	471.0	438.6	403.0	364.6	323.7	280.3	241.4	203.4	163.6
65°	708.9	671.4	629.9	593.6	554.6	512.8	468.2	420.2	369.0	315.4	261.1
62.5°	918.8	876.2	829.6	779.1	724.4	665.8	608.4	556.1	501.0	443.1	381.2
60°	1129.6	1083.8	1031.8	975.0	913.6	847.8	779.1	706.4	629.9	566.2	500.3
57.5°	1342.2	1285.0	1229.5	1168.8	1103.3	1031.8	955.2	874.3	790.5	703.4	615.8
55°	1596.2	1527.6	1452.5	1370.7	1287.0	1210.7	1129.6	1043.0	950.9	854.6	756.5
52.5°	1859.7	1782.2	1696.9	1604.1	1507.4	1405.0	1298.4	1206.0	1109.3	1006.3	898.7
50°	2079.4	2009.5	1932.6	1844.4	1736.3	1620.9	1502.4	1379.5	1261.5	1153.2	1039.9
47.5°	2264.3	2201.5	2132.6	2046.5	1949.7	1841.4	1710.3	1573.1	1435.4	1295.0	1175.4
45°	3112.0	2696.5	2299.9	2219.3	2133.0	2026.7	1910.1	1770.7	1617.4	1463.7	1306.3
42.5°	4075.1	3705.5	3252.1	2722.1	2285.9	2187.8	2078.8	1948.6	1801.2	1632.4	1463.7
40°	4707.9	4544.6	4121.8	3653.1	3072.8	2431.6	2221.1	2105.1	1961.5	1801.2	1617.4
37.5°	5071.4	4888.2	4696.7	4425.9	3892.1	3286.2	2571.1	2232.2	2105.1	1948.6	1770.7
35°	5457.4	5243.0	5024.8	4800.2	4567.0	4013.0	3357.9	2571.1	2221.1	2078.8	1910.1
32.5°	5906.3	5641.0	5360.1	5110.5	4852.7	4592.5	4013.0	3286.2	2431.6	2187.8	2026.7
30°	6484.6	6105.6	5753.4	5427.0	5139.3	4852.7	4567.0	3892.1	3072.8	2285.9	2133.0
27.5°	7379.5	6653.4	6209.6	5791.2	5427.0	5110.5	4800.2	4425.9	3653.1	2722.1	2219.3
25°	8615.8	7581.1	6750.4	6209.6	5753.4	5360.1	5024.8	4696.7	4121.8	3252.1	2299.9
22.5°	10451.3	8781.6	7581.1	6653.4	6105.6	5641.0	5243.0	4888.2	4544.6	3705.5	2696.5
20°	14451.9	10451.3	8615.8	7379.5	6484.6	5906.3	5457.4	5071.4	4707.9	4075.1	3112.0
17.5°	21744.8	13926.9	9742.4	8125.7	6984.1	6222.0	5681.3	5240.5	4855.3	4407.8	3485.1
15°	30436.2	19158.5	12378.9	9065.5	7538.3	6508.7	5880.4	5391.5	4988.0	4603.9	3764.0
12.5°	42116.2	25763.6	14953.0	9889.8	8086.4	6853.1	6095.5	5550.3	5107.3	4707.3	3996.4
10°	52898.3	32984.6	19252.9	11872.1	8721.8	7225.2	6286.9	5682.5	5206.4	4793.1	4188.8
7.5°	64015.3	40347.2	23368.2	13461.9	9227.5	7520.3	6438.2	5786.8	5284.5	4860.6	4339.9
5°	72274.6	45775.2	26384.6	14622.0	9595.2	7734.3	6547.7	5862.2	5340.8	4909.2	4448.7
2.5°	77371.1	49105.2	28227.4	15328.4	9818.6	7864.0	6614.0	5907.8	5374.8	4938.5	4514.3
0°	79095.0	50228.0	28847.3	15565.7	9893.5	7907.5	6636.2	5923.0	5386.2	4948.3	4536.2
-2.5°	77371.1	49105.2	28227.4	15328.4	9818.6	7864.0	6614.0	5907.8	5374.8	4938.5	4514.3
-5°	72274.6	45775.2	26384.6	14622.0	9595.2	7734.3	6547.7	5862.2	5340.8	4909.2	4448.7
-7.5°	64015.3	40347.2	23368.2	13461.9	9227.5	7520.3	6438.2	5786.8	5284.5	4860.6	4339.9
-10°	52898.3	32984.6	19252.9	11872.1	8721.8	7225.2	6286.9	5682.5	5206.4	4793.1	4188.8
-12.5°	42116.2	25763.6	14953.0	9889.8	8086.4	6853.1	6095.5	5550.3	5107.3	4707.3	3996.4
-15°	30436.2	19158.5	12378.9	9065.5	7538.3	6508.7	5880.4	5391.5	4988.0	4603.9	3764.0
-17.5°	21744.8	13926.9	9742.4	8125.7	6984.1	6222.0	5681.3	5240.5	4855.3	4407.8	3485.1
-20°	14451.9	10451.3	8615.8	7379.5	6484.6	5906.3	5457.4	5071.4	4707.9	4075.1	3112.0



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	10451.3	8781.6	7581.1	6653.4	6105.6	5641.0	5243.0	4888.2	4544.6	3705.5	2696.5
-25°	8615.8	7581.1	6750.4	6209.6	5753.4	5360.1	5024.8	4696.7	4121.8	3252.1	2299.9
-27.5°	7379.5	6653.4	6209.6	5791.2	5427.0	5110.5	4800.2	4425.9	3653.1	2722.1	2219.3
-30°	6484.6	6105.6	5753.4	5427.0	5139.3	4852.7	4567.0	3892.1	3072.8	2285.9	2133.0
-32.5°	5906.3	5641.0	5360.1	5110.5	4852.7	4592.5	4013.0	3286.2	2431.6	2187.8	2026.7
-35°	5457.4	5243.0	5024.8	4800.2	4567.0	4013.0	3357.9	2571.1	2221.1	2078.8	1910.1
-37.5°	5071.4	4888.2	4696.7	4425.9	3892.1	3286.2	2571.1	2232.2	2105.1	1948.6	1770.7
-40°	4707.9	4544.6	4121.8	3653.1	3072.8	2431.6	2221.1	2105.1	1961.5	1801.2	1617.4
-42.5°	4075.1	3705.5	3252.1	2722.1	2285.9	2187.8	2078.8	1948.6	1801.2	1632.4	1463.7
-45°	3112.0	2696.5	2299.9	2219.3	2133.0	2026.7	1910.1	1770.7	1617.4	1463.7	1306.3
-47.5°	2264.3	2201.5	2132.6	2046.5	1949.7	1841.4	1710.3	1573.1	1435.4	1295.0	1175.4
-50°	2079.4	2009.5	1932.6	1844.4	1736.3	1620.9	1502.4	1379.5	1261.5	1153.2	1039.9
-52.5°	1859.7	1782.2	1696.9	1604.1	1507.4	1405.0	1298.4	1206.0	1109.3	1006.3	898.7
-55°	1596.2	1527.6	1452.5	1370.7	1287.0	1210.7	1129.6	1043.0	950.9	854.6	756.5
-57.5°	1342.2	1285.0	1229.5	1168.8	1103.3	1031.8	955.2	874.3	790.5	703.4	615.8
-60°	1129.6	1083.8	1031.8	975.0	913.6	847.8	779.1	706.4	629.9	566.2	500.3
-62.5°	918.8	876.2	829.6	779.1	724.4	665.8	608.4	556.1	501.0	443.1	381.2
-65°	708.9	671.4	629.9	593.6	554.6	512.8	468.2	420.2	369.0	315.4	261.1
-67.5°	526.7	500.3	471.0	438.6	403.0	364.6	323.7	280.3	241.4	203.4	163.6
-70°	358.6	334.8	308.3	279.3	252.0	225.2	196.6	166.2	134.1	111.7	93.9
-72.5°	204.9	188.5	170.3	150.3	128.7	114.2	101.6	88.2	74.1	59.2	48.3
-75°	96.2	89.2	81.3	72.7	63.4	53.4	48.0	44.7	41.1	37.4	33.5
-77.5°	43.7	42.0	40.1	38.0	35.7	33.3	30.7	28.4	26.9	25.4	23.8
-80°	26.3	25.6	24.9	24.0	23.1	22.1	21.1	20.0	18.8	17.8	16.8
-82.5°	16.8	16.5	16.1	15.6	15.1	14.6	14.1	13.5	12.8	12.2	11.5
-85°	10.1	9.9	9.8	9.6	9.4	9.2	9.0	8.7	8.5	8.2	8.0
-87.5°	5.7	5.6	5.5	5.4	5.3	5.1	5.0	4.8	4.7	4.5	4.3
-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: P1305385 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-80-3S-HEG-A

**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°	4.1	3.9	3.7	3.5	3.3	3.0	2.8	2.6	2.3	2.1	1.8
85°	7.7	7.4	7.1	6.8	6.4	6.1	5.6	5.2	4.7	4.2	3.7
82.5°	10.8	10.3	9.8	9.3	8.8	8.3	7.8	7.3	6.8	6.2	5.5
80°	15.9	14.9	13.8	12.8	11.7	10.6	9.9	9.2	8.5	7.7	7.0
77.5°	22.1	20.3	18.5	17.1	15.7	14.3	12.8	11.4	10.2	9.2	8.3
75°	29.5	27.1	24.9	22.6	20.3	18.0	16.3	14.5	12.7	10.8	9.6
72.5°	43.6	38.7	33.6	28.6	25.9	23.1	20.3	17.6	15.5	13.3	11.2
70°	75.3	56.0	46.1	40.1	33.9	28.2	25.0	21.7	18.3	15.8	13.3
67.5°	122.7	101.0	78.6	55.4	44.8	37.7	30.4	25.9	22.1	18.3	15.5
65°	215.0	167.3	120.5	94.8	68.4	47.6	39.6	31.4	25.9	21.7	17.6
62.5°	317.0	254.1	199.8	143.9	104.7	75.0	48.6	39.6	30.4	25.0	20.3
60°	431.3	358.6	283.7	219.4	156.9	107.9	75.0	47.6	37.7	28.2	23.1
57.5°	541.5	464.6	383.8	300.4	226.0	156.9	104.7	68.4	44.8	33.9	25.9
55°	654.9	566.4	481.2	392.2	300.4	219.4	143.9	94.8	55.4	40.1	28.6
52.5°	788.7	676.2	574.8	481.2	383.8	283.7	199.8	120.5	78.6	46.1	33.6
50°	920.9	799.5	676.2	566.4	464.6	358.6	254.1	167.3	101.0	56.0	38.7
47.5°	1051.2	920.9	788.7	654.9	541.5	431.3	317.0	215.0	122.7	75.3	43.6
45°	1175.4	1039.9	898.7	756.5	615.8	500.3	381.2	261.1	163.6	93.9	48.3
42.5°	1295.0	1153.2	1006.3	854.6	703.4	566.2	443.1	315.4	203.4	111.7	59.2
40°	1435.4	1261.5	1109.3	950.9	790.5	629.9	501.0	369.0	241.4	134.1	74.1
37.5°	1573.1	1379.5	1206.0	1043.0	874.3	706.4	556.1	420.2	280.3	166.2	88.2
35°	1710.3	1502.4	1298.4	1129.6	955.2	779.1	608.4	468.2	323.7	196.6	101.6
32.5°	1841.4	1620.9	1405.0	1210.7	1031.8	847.8	665.8	512.8	364.6	225.2	114.2
30°	1949.7	1736.3	1507.4	1287.0	1103.3	913.6	724.4	554.6	403.0	252.0	128.7
27.5°	2046.5	1844.4	1604.1	1370.7	1168.8	975.0	779.1	593.6	438.6	279.3	150.3
25°	2132.6	1932.6	1696.9	1452.5	1229.5	1031.8	829.6	629.9	471.0	308.3	170.3
22.5°	2201.5	2009.5	1782.2	1527.6	1285.0	1083.8	876.2	671.4	500.3	334.8	188.5
20°	2264.3	2079.4	1859.7	1596.2	1342.2	1129.6	918.8	708.9	526.7	358.6	204.9
17.5°	2367.4	2136.9	1919.2	1659.7	1397.7	1170.4	956.7	742.3	550.1	379.9	219.4
15°	2670.3	2182.4	1969.7	1715.3	1446.3	1206.0	989.8	771.4	570.6	398.3	232.1
12.5°	2929.8	2221.3	2012.8	1762.7	1487.7	1236.4	1018.0	796.2	588.0	414.1	242.9
10°	3144.3	2253.5	2048.3	1801.8	1521.8	1261.5	1041.2	816.6	602.4	427.0	251.8
7.5°	3312.7	2278.7	2076.2	1832.4	1548.5	1281.0	1059.3	832.5	613.6	437.1	258.7
5°	3433.7	2296.8	2096.1	1854.4	1567.6	1295.0	1072.3	843.9	621.6	444.3	263.6
2.5°	3506.6	2307.8	2108.2	1867.6	1579.2	1303.5	1080.1	850.8	626.4	448.7	266.6
0°	3531.0	2311.4	2112.2	1872.0	1583.0	1306.3	1082.7	853.1	628.0	450.1	267.6
-2.5°	3506.6	2307.8	2108.2	1867.6	1579.2	1303.5	1080.1	850.8	626.4	448.7	266.6
-5°	3433.7	2296.8	2096.1	1854.4	1567.6	1295.0	1072.3	843.9	621.6	444.3	263.6
-7.5°	3312.7	2278.7	2076.2	1832.4	1548.5	1281.0	1059.3	832.5	613.6	437.1	258.7
-10°	3144.3	2253.5	2048.3	1801.8	1521.8	1261.5	1041.2	816.6	602.4	427.0	251.8
-12.5°	2929.8	2221.3	2012.8	1762.7	1487.7	1236.4	1018.0	796.2	588.0	414.1	242.9
-15°	2670.3	2182.4	1969.7	1715.3	1446.3	1206.0	989.8	771.4	570.6	398.3	232.1
-17.5°	2367.4	2136.9	1919.2	1659.7	1397.7	1170.4	956.7	742.3	550.1	379.9	219.4
-20°	2264.3	2079.4	1859.7	1596.2	1342.2	1129.6	918.8	708.9	526.7	358.6	204.9



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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°	2201.5	2009.5	1782.2	1527.6	1285.0	1083.8	876.2	671.4	500.3	334.8	188.5
-25°	2132.6	1932.6	1696.9	1452.5	1229.5	1031.8	829.6	629.9	471.0	308.3	170.3
-27.5°	2046.5	1844.4	1604.1	1370.7	1168.8	975.0	779.1	593.6	438.6	279.3	150.3
-30°	1949.7	1736.3	1507.4	1287.0	1103.3	913.6	724.4	554.6	403.0	252.0	128.7
-32.5°	1841.4	1620.9	1405.0	1210.7	1031.8	847.8	665.8	512.8	364.6	225.2	114.2
-35°	1710.3	1502.4	1298.4	1129.6	955.2	779.1	608.4	468.2	323.7	196.6	101.6
-37.5°	1573.1	1379.5	1206.0	1043.0	874.3	706.4	556.1	420.2	280.3	166.2	88.2
-40°	1435.4	1261.5	1109.3	950.9	790.5	629.9	501.0	369.0	241.4	134.1	74.1
-42.5°	1295.0	1153.2	1006.3	854.6	703.4	566.2	443.1	315.4	203.4	111.7	59.2
-45°	1175.4	1039.9	898.7	756.5	615.8	500.3	381.2	261.1	163.6	93.9	48.3
-47.5°	1051.2	920.9	788.7	654.9	541.5	431.3	317.0	215.0	122.7	75.3	43.6
-50°	920.9	799.5	676.2	566.4	464.6	358.6	254.1	167.3	101.0	56.0	38.7
-52.5°	788.7	676.2	574.8	481.2	383.8	283.7	199.8	120.5	78.6	46.1	33.6
-55°	654.9	566.4	481.2	392.2	300.4	219.4	143.9	94.8	55.4	40.1	28.6
-57.5°	541.5	464.6	383.8	300.4	226.0	156.9	104.7	68.4	44.8	33.9	25.9
-60°	431.3	358.6	283.7	219.4	156.9	107.9	75.0	47.6	37.7	28.2	23.1
-62.5°	317.0	254.1	199.8	143.9	104.7	75.0	48.6	39.6	30.4	25.0	20.3
-65°	215.0	167.3	120.5	94.8	68.4	47.6	39.6	31.4	25.9	21.7	17.6
-67.5°	122.7	101.0	78.6	55.4	44.8	37.7	30.4	25.9	22.1	18.3	15.5
-70°	75.3	56.0	46.1	40.1	33.9	28.2	25.0	21.7	18.3	15.8	13.3
-72.5°	43.6	38.7	33.6	28.6	25.9	23.1	20.3	17.6	15.5	13.3	11.2
-75°	29.5	27.1	24.9	22.6	20.3	18.0	16.3	14.5	12.7	10.8	9.6
-77.5°	22.1	20.3	18.5	17.1	15.7	14.3	12.8	11.4	10.2	9.2	8.3
-80°	15.9	14.9	13.8	12.8	11.7	10.6	9.9	9.2	8.5	7.7	7.0
-82.5°	10.8	10.3	9.8	9.3	8.8	8.3	7.8	7.3	6.8	6.2	5.5
-85°	7.7	7.4	7.1	6.8	6.4	6.1	5.6	5.2	4.7	4.2	3.7
-87.5°	4.1	3.9	3.7	3.5	3.3	3.0	2.8	2.6	2.3	2.1	1.8
-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°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
85°	3.2	2.6	2.1	1.6	1.1	0.5	0.0
82.5°	4.7	4.0	3.2	2.4	1.6	0.8	0.0
80°	6.2	5.3	4.2	3.2	2.1	1.1	0.0
77.5°	7.4	6.4	5.3	4.0	2.6	1.3	0.0
75°	8.5	7.4	6.2	4.7	3.2	1.6	0.0
72.5°	9.6	8.3	7.0	5.5	3.7	1.8	0.0
70°	10.8	9.2	7.7	6.2	4.2	2.1	0.0
67.5°	12.7	10.2	8.5	6.8	4.7	2.3	0.0
65°	14.5	11.4	9.2	7.3	5.2	2.6	0.0
62.5°	16.3	12.8	9.9	7.8	5.6	2.8	0.0
60°	18.0	14.3	10.6	8.3	6.1	3.0	0.0
57.5°	20.3	15.7	11.7	8.8	6.4	3.3	0.0
55°	22.6	17.1	12.8	9.3	6.8	3.5	0.0
52.5°	24.9	18.5	13.8	9.8	7.1	3.7	0.0
50°	27.1	20.3	14.9	10.3	7.4	3.9	0.0
47.5°	29.5	22.1	15.9	10.8	7.7	4.1	0.0
45°	33.5	23.8	16.8	11.5	8.0	4.3	0.0
42.5°	37.4	25.4	17.8	12.2	8.2	4.5	0.0
40°	41.1	26.9	18.8	12.8	8.5	4.7	0.0
37.5°	44.7	28.4	20.0	13.5	8.7	4.8	0.0
35°	48.0	30.7	21.1	14.1	9.0	5.0	0.0
32.5°	53.4	33.3	22.1	14.6	9.2	5.1	0.0
30°	63.4	35.7	23.1	15.1	9.4	5.3	0.0
27.5°	72.7	38.0	24.0	15.6	9.6	5.4	0.0
25°	81.3	40.1	24.9	16.1	9.8	5.5	0.0
22.5°	89.2	42.0	25.6	16.5	9.9	5.6	0.0
20°	96.2	43.7	26.3	16.8	10.1	5.7	0.0
17.5°	102.5	45.2	26.9	17.1	10.2	5.8	0.0
15°	107.9	46.5	27.4	17.4	10.3	5.9	0.0
12.5°	112.6	47.6	27.9	17.7	10.4	6.0	0.0
10°	116.4	48.6	28.2	17.9	10.5	6.0	0.0
7.5°	119.4	49.3	28.5	18.0	10.5	6.0	0.0
5°	121.5	49.8	28.7	18.1	10.6	6.1	0.0
2.5°	122.8	50.1	28.9	18.2	10.6	6.1	0.0
0°	123.2	50.2	28.9	18.2	10.6	6.1	0.0
-2.5°	122.8	50.1	28.9	18.2	10.6	6.1	0.0
-5°	121.5	49.8	28.7	18.1	10.6	6.1	0.0
-7.5°	119.4	49.3	28.5	18.0	10.5	6.0	0.0
-10°	116.4	48.6	28.2	17.9	10.5	6.0	0.0
-12.5°	112.6	47.6	27.9	17.7	10.4	6.0	0.0
-15°	107.9	46.5	27.4	17.4	10.3	5.9	0.0
-17.5°	102.5	45.2	26.9	17.1	10.2	5.8	0.0
-20°	96.2	43.7	26.3	16.8	10.1	5.7	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	89.2	42.0	25.6	16.5	9.9	5.6	0.0
-25°	81.3	40.1	24.9	16.1	9.8	5.5	0.0
-27.5°	72.7	38.0	24.0	15.6	9.6	5.4	0.0
-30°	63.4	35.7	23.1	15.1	9.4	5.3	0.0
-32.5°	53.4	33.3	22.1	14.6	9.2	5.1	0.0
-35°	48.0	30.7	21.1	14.1	9.0	5.0	0.0
-37.5°	44.7	28.4	20.0	13.5	8.7	4.8	0.0
-40°	41.1	26.9	18.8	12.8	8.5	4.7	0.0
-42.5°	37.4	25.4	17.8	12.2	8.2	4.5	0.0
-45°	33.5	23.8	16.8	11.5	8.0	4.3	0.0
-47.5°	29.5	22.1	15.9	10.8	7.7	4.1	0.0
-50°	27.1	20.3	14.9	10.3	7.4	3.9	0.0
-52.5°	24.9	18.5	13.8	9.8	7.1	3.7	0.0
-55°	22.6	17.1	12.8	9.3	6.8	3.5	0.0
-57.5°	20.3	15.7	11.7	8.8	6.4	3.3	0.0
-60°	18.0	14.3	10.6	8.3	6.1	3.0	0.0
-62.5°	16.3	12.8	9.9	7.8	5.6	2.8	0.0
-65°	14.5	11.4	9.2	7.3	5.2	2.6	0.0
-67.5°	12.7	10.2	8.5	6.8	4.7	2.3	0.0
-70°	10.8	9.2	7.7	6.2	4.2	2.1	0.0
-72.5°	9.6	8.3	7.0	5.5	3.7	1.8	0.0
-75°	8.5	7.4	6.2	4.7	3.2	1.6	0.0
-77.5°	7.4	6.4	5.3	4.0	2.6	1.3	0.0
-80°	6.2	5.3	4.2	3.2	2.1	1.1	0.0
-82.5°	4.7	4.0	3.2	2.4	1.6	0.8	0.0
-85°	3.2	2.6	2.1	1.6	1.1	0.5	0.0
-87.5°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)