

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: P1305401 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-57-70-1S-HEG-A**

Issue Date: 2/3/2026

**Test Information**

Test Method: LM-79-08  
Report Number: P1305401 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-61)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-640L-57-70-1S-HEG-A  
Description: EPHEBUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 1S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

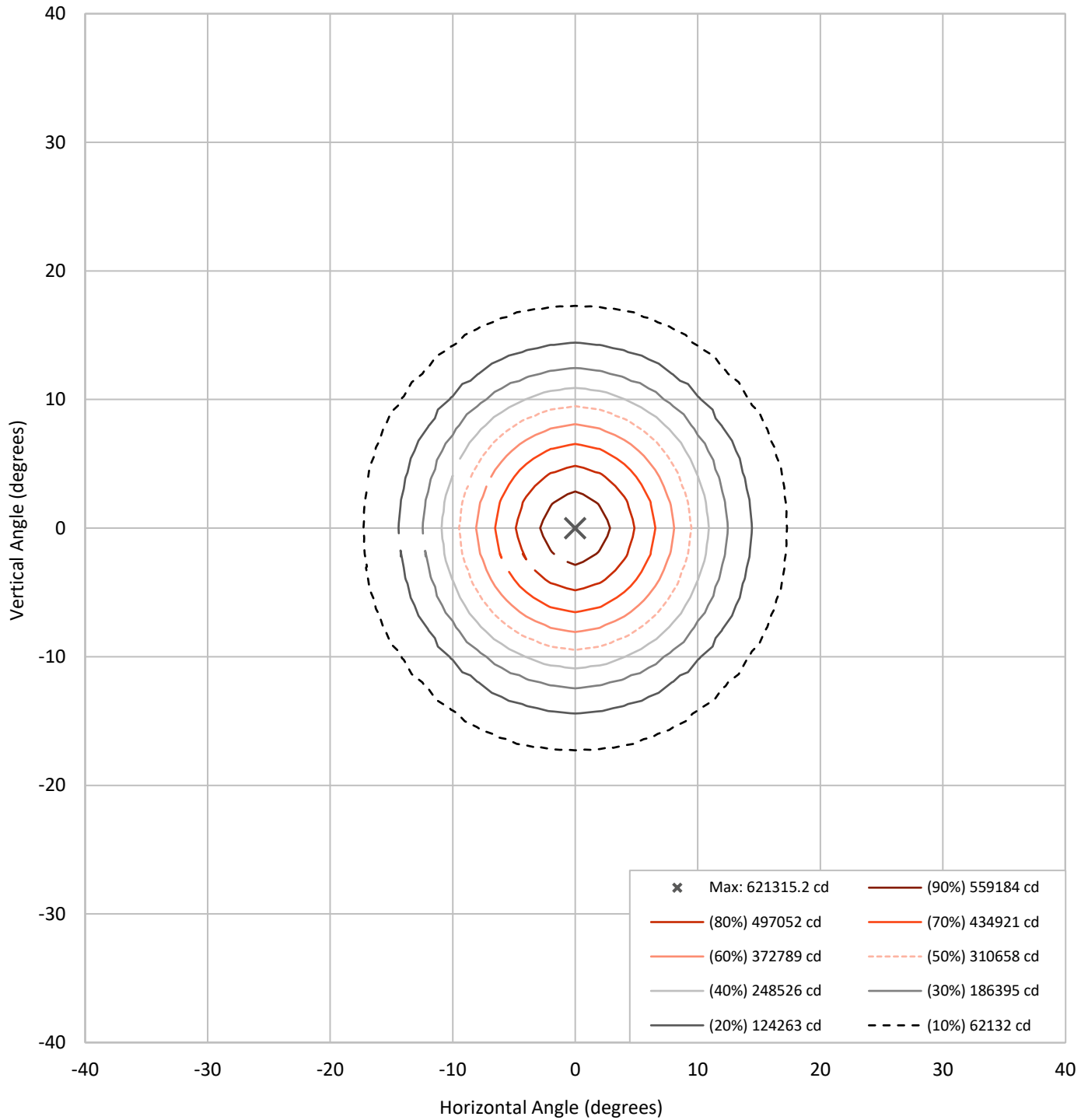
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	84166.8 lumens	Max Intensity:	621315.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	124.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	19°H x 19°V	Field Angle (10%):	34.3°H x 34.3°V
Beam Lumens:	36277 lumens	Field Lumens:	66830.1 lumens
Beam Efficiency:	43.1%	Field Efficiency:	79.4%

Input Watts (W): 677  
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



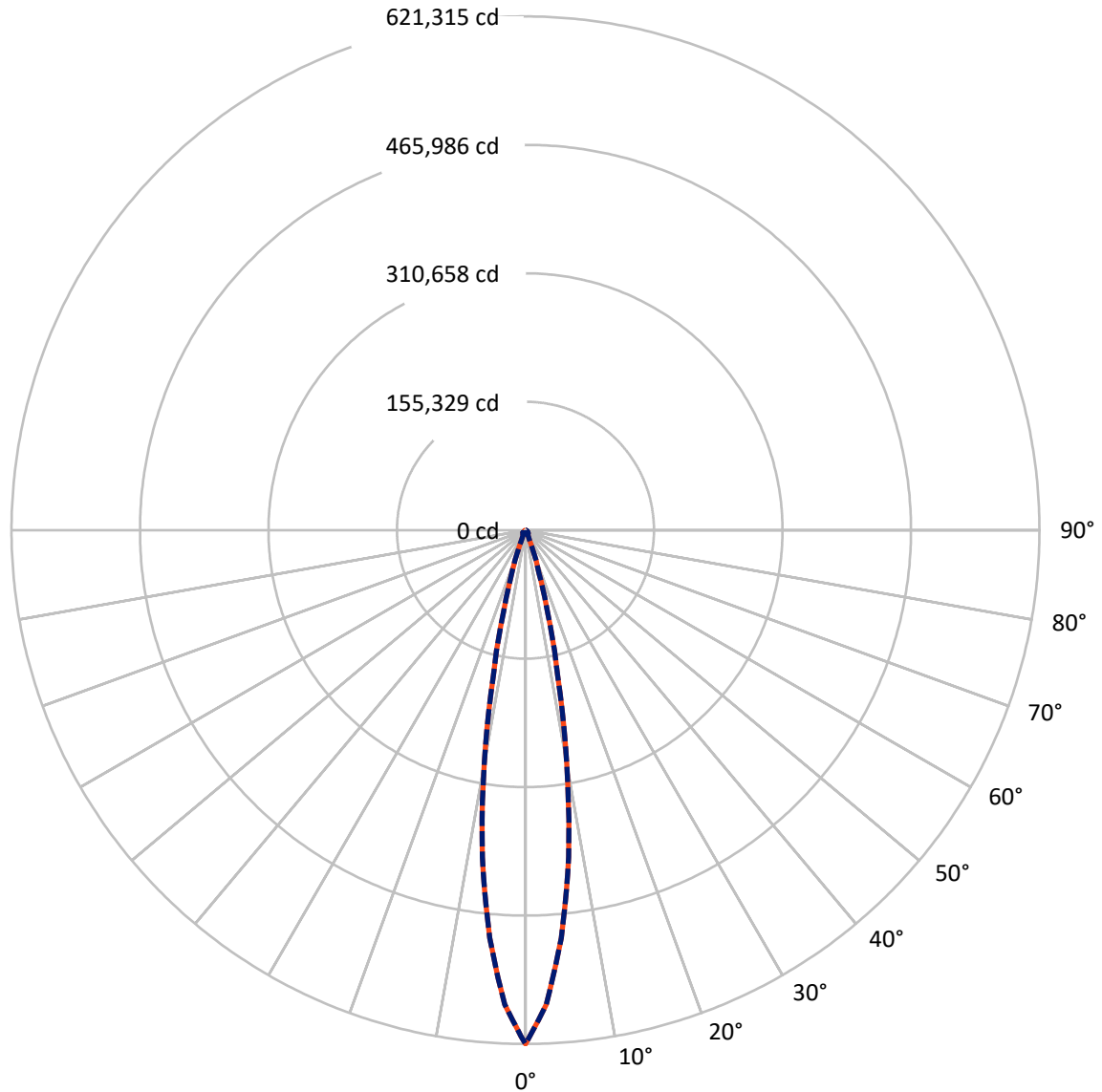
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### Lumen Table

90	0.1	0.8		2.9		7.3		9.6		7.3		2.9		0.8		0.1
80	0.1	0.8		2.9		7.3		9.6		7.3		2.9		0.8		0.1
70	0.4	0.5	1.7	5.2	10.6	16.4	21.3	23.9	23.9	21.3	16.4	10.6	5.2	1.7	0.5	0.4
60		1.3	6.2	15.2	26.2	35.5	41.5	44.7	44.7	41.5	35.5	26.2	15.2	6.2	1.3	
50	1.0	3.2	12.5	26.0	38.0	64.3	101.3	121.7	121.7	101.3	64.3	38.0	26.0	12.5	3.2	1.0
40		5.6	18.5	32.8	77.7	132.9	146.8	147.1	147.1	146.8	132.9	77.7	32.8	18.5	5.6	
30	2.1	7.9	22.6	50.7	120.2	133.1	146.3	253.6	253.6	146.3	133.1	120.2	50.7	22.6	7.9	2.1
20		9.6	24.8	75.2	124.4	137.4	803.7	3001.3	3001.3	803.7	137.4	124.4	75.2	24.8	9.6	
10	2.7	10.5	25.9	87.3	120.7	233.3	2928.6	11525.1	11525.1	2928.6	233.3	120.7	87.3	25.9	10.5	2.7
0		10.5	25.9	87.3	120.7	233.3	2928.6	11525.1	11525.1	2928.6	233.3	120.7	87.3	25.9	10.5	
-10	2.1	9.6	24.8	75.2	124.4	137.4	803.7	3001.3	3001.3	803.7	137.4	124.4	75.2	24.8	9.6	2.1
-20		7.9	22.6	50.7	120.2	133.1	146.3	253.6	253.6	146.3	133.1	120.2	50.7	22.6	7.9	
-30	1.0	5.6	18.5	32.8	77.7	132.9	146.8	147.1	147.1	146.8	132.9	77.7	32.8	18.5	5.6	1.0
-40		3.2	12.5	26.0	38.0	64.3	101.3	121.7	121.7	101.3	64.3	38.0	26.0	12.5	3.2	
-50	0.4	1.3	6.2	15.2	26.2	35.5	41.5	44.7	44.7	41.5	35.5	26.2	15.2	6.2	1.3	0.4
-60		0.5	1.7	5.2	10.6	16.4	21.3	23.9	23.9	21.3	16.4	10.6	5.2	1.7	0.5	
-70	0.1	0.8		2.9		7.3		9.6		7.3		2.9		0.8		0.1
-80		0.8		2.9		7.3		9.6		7.3		2.9		0.8		
-90	0.1	0.8		2.9		7.3		9.6		7.3		2.9		0.8		0.1

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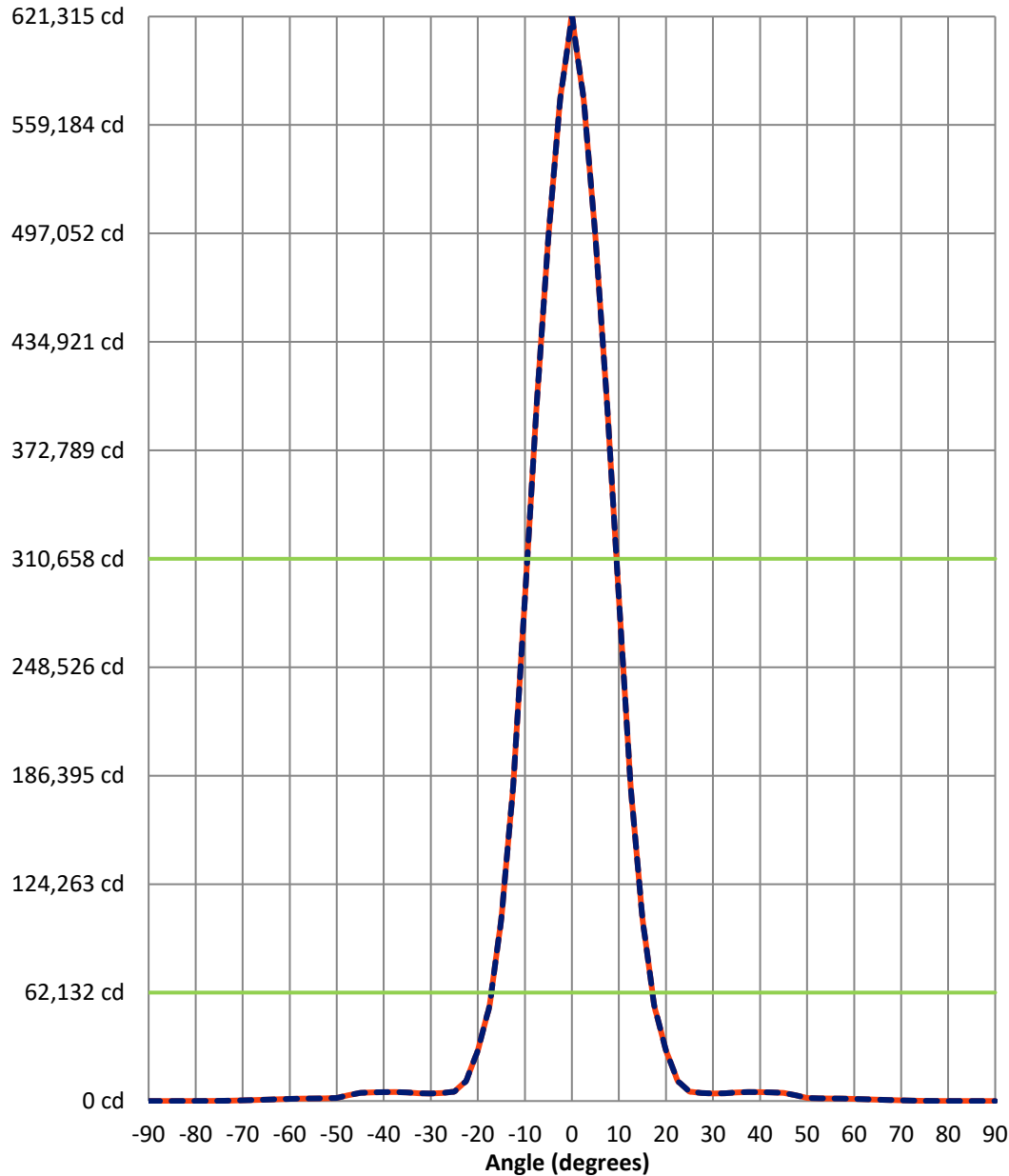
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 19°  
 V Angle: 19°  
 Lumens: 36277  
 Efficiency: 43.1%

**Field:**  
 H Angle: 34.3°  
 V Angle: 34.3°  
 Lumens: 66830.1  
 Efficiency: 79.4%

**Spill:**  
 Lumens: 17336.7  
 Efficiency: 20.6%

- 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	1.0	1.3	1.6	1.8	2.1	2.3	2.5
85°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.1
82.5°	0.0	0.8	1.6	2.3	3.1	3.9	4.6	5.4	6.1	6.6	7.2
80°	0.0	1.0	2.1	3.1	4.1	5.2	6.1	6.9	7.6	8.3	9.0
77.5°	0.0	1.3	2.6	3.9	5.2	6.3	7.3	8.2	9.1	10.0	11.3
75°	0.0	1.6	3.1	4.6	6.1	7.3	8.4	9.5	10.7	12.8	15.0
72.5°	0.0	1.8	3.6	5.4	6.9	8.2	9.5	11.1	13.6	16.1	18.6
70°	0.0	2.1	4.1	6.1	7.6	9.1	10.7	13.6	16.5	19.4	22.7
67.5°	0.0	2.3	4.6	6.6	8.3	10.0	12.8	16.1	19.4	23.2	26.9
65°	0.0	2.5	5.1	7.2	9.0	11.3	15.0	18.6	22.7	26.9	31.9
62.5°	0.0	2.8	5.5	7.7	9.7	13.0	17.0	21.3	26.0	31.1	38.7
60°	0.0	3.0	6.0	8.2	10.4	14.7	19.1	24.1	29.2	37.1	45.5
57.5°	0.0	3.2	6.3	8.7	11.7	16.4	21.4	26.9	34.0	43.1	62.5
55°	0.0	3.4	6.6	9.2	12.9	18.0	23.7	29.5	39.2	51.9	84.0
52.5°	0.0	3.7	7.0	9.6	14.2	19.6	25.9	33.7	44.2	70.7	104.9
50°	0.0	3.9	7.3	10.1	15.4	21.4	28.0	38.0	52.4	89.0	144.3
47.5°	0.0	4.1	7.5	10.6	16.6	23.1	30.3	42.1	68.1	106.7	184.7
45°	0.0	4.2	7.8	11.5	17.7	24.8	33.7	46.0	83.2	141.3	223.6
42.5°	0.0	4.4	8.1	12.3	18.8	26.4	36.9	55.0	97.7	174.8	272.4
40°	0.0	4.6	8.3	13.0	19.9	27.9	40.0	67.1	116.3	207.0	320.9
37.5°	0.0	4.8	8.6	13.8	21.1	29.3	43.0	78.6	143.4	240.6	367.2
35°	0.0	4.9	8.8	14.5	22.1	31.3	45.8	89.5	169.1	279.9	412.8
32.5°	0.0	5.1	9.0	15.1	23.2	33.5	50.2	99.8	193.3	316.9	458.3
30°	0.0	5.2	9.2	15.7	24.1	35.5	58.4	111.7	215.9	351.7	501.0
27.5°	0.0	5.3	9.4	16.3	25.0	37.4	66.0	130.0	239.7	383.9	540.7
25°	0.0	5.4	9.6	16.8	25.8	39.1	73.0	146.9	266.0	415.6	577.6
22.5°	0.0	5.5	9.7	17.3	26.6	40.7	79.4	162.2	289.9	445.5	618.0
20°	0.0	5.6	9.9	17.7	27.2	42.2	85.1	176.1	311.5	472.4	654.4
17.5°	0.0	5.7	10.0	18.1	27.8	43.4	90.2	188.4	330.7	496.4	686.9
15°	0.0	5.8	10.1	18.4	28.4	44.5	94.7	199.1	347.4	517.3	715.1
12.5°	0.0	5.9	10.2	18.7	28.8	45.5	98.4	208.2	361.7	535.0	739.2
10°	0.0	5.9	10.3	18.9	29.2	46.2	101.6	215.7	373.4	549.7	759.1
7.5°	0.0	5.9	10.3	19.1	29.4	46.8	104.0	221.6	382.5	561.1	774.5
5°	0.0	6.0	10.4	19.2	29.6	47.3	105.7	225.7	389.1	569.2	785.6
2.5°	0.0	6.0	10.4	19.3	29.8	47.5	106.8	228.3	393.0	574.2	792.3
0°	0.0	6.0	10.4	19.3	29.8	47.6	107.1	229.1	394.3	575.8	794.5
-2.5°	0.0	6.0	10.4	19.3	29.8	47.5	106.8	228.3	393.0	574.2	792.3
-5°	0.0	6.0	10.4	19.2	29.6	47.3	105.7	225.7	389.1	569.2	785.6
-7.5°	0.0	5.9	10.3	19.1	29.4	46.8	104.0	221.6	382.5	561.1	774.5
-10°	0.0	5.9	10.3	18.9	29.2	46.2	101.6	215.7	373.4	549.7	759.1
-12.5°	0.0	5.9	10.2	18.7	28.8	45.5	98.4	208.2	361.7	535.0	739.2
-15°	0.0	5.8	10.1	18.4	28.4	44.5	94.7	199.1	347.4	517.3	715.1
-17.5°	0.0	5.7	10.0	18.1	27.8	43.4	90.2	188.4	330.7	496.4	686.9
-20°	0.0	5.6	9.9	17.7	27.2	42.2	85.1	176.1	311.5	472.4	654.4



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 CATALOG NUMBER: EPH-08-640L-57-70-1S-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	5.5	9.7	17.3	26.6	40.7	79.4	162.2	289.9	445.5	618.0
-25°	0.0	5.4	9.6	16.8	25.8	39.1	73.0	146.9	266.0	415.6	577.6
-27.5°	0.0	5.3	9.4	16.3	25.0	37.4	66.0	130.0	239.7	383.9	540.7
-30°	0.0	5.2	9.2	15.7	24.1	35.5	58.4	111.7	215.9	351.7	501.0
-32.5°	0.0	5.1	9.0	15.1	23.2	33.5	50.2	99.8	193.3	316.9	458.3
-35°	0.0	4.9	8.8	14.5	22.1	31.3	45.8	89.5	169.1	279.9	412.8
-37.5°	0.0	4.8	8.6	13.8	21.1	29.3	43.0	78.6	143.4	240.6	367.2
-40°	0.0	4.6	8.3	13.0	19.9	27.9	40.0	67.1	116.3	207.0	320.9
-42.5°	0.0	4.4	8.1	12.3	18.8	26.4	36.9	55.0	97.7	174.8	272.4
-45°	0.0	4.2	7.8	11.5	17.7	24.8	33.7	46.0	83.2	141.3	223.6
-47.5°	0.0	4.1	7.5	10.6	16.6	23.1	30.3	42.1	68.1	106.7	184.7
-50°	0.0	3.9	7.3	10.1	15.4	21.4	28.0	38.0	52.4	89.0	144.3
-52.5°	0.0	3.7	7.0	9.6	14.2	19.6	25.9	33.7	44.2	70.7	104.9
-55°	0.0	3.4	6.6	9.2	12.9	18.0	23.7	29.5	39.2	51.9	84.0
-57.5°	0.0	3.2	6.3	8.7	11.7	16.4	21.4	26.9	34.0	43.1	62.5
-60°	0.0	3.0	6.0	8.2	10.4	14.7	19.1	24.1	29.2	37.1	45.5
-62.5°	0.0	2.8	5.5	7.7	9.7	13.0	17.0	21.3	26.0	31.1	38.7
-65°	0.0	2.5	5.1	7.2	9.0	11.3	15.0	18.6	22.7	26.9	31.9
-67.5°	0.0	2.3	4.6	6.6	8.3	10.0	12.8	16.1	19.4	23.2	26.9
-70°	0.0	2.1	4.1	6.1	7.6	9.1	10.7	13.6	16.5	19.4	22.7
-72.5°	0.0	1.8	3.6	5.4	6.9	8.2	9.5	11.1	13.6	16.1	18.6
-75°	0.0	1.6	3.1	4.6	6.1	7.3	8.4	9.5	10.7	12.8	15.0
-77.5°	0.0	1.3	2.6	3.9	5.2	6.3	7.3	8.2	9.1	10.0	11.3
-80°	0.0	1.0	2.1	3.1	4.1	5.2	6.1	6.9	7.6	8.3	9.0
-82.5°	0.0	0.8	1.6	2.3	3.1	3.9	4.6	5.4	6.1	6.6	7.2
-85°	0.0	0.5	1.0	1.6	2.1	2.6	3.1	3.6	4.1	4.6	5.1
-87.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.1	2.3	2.5
-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):**

	-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	3.2	3.4	3.7	3.9	4.1	4.2	4.4	4.6	4.8
85°	5.5	6.0	6.3	6.6	7.0	7.3	7.5	7.8	8.1	8.3	8.6
82.5°	7.7	8.2	8.7	9.2	9.6	10.1	10.6	11.5	12.3	13.0	13.8
80°	9.7	10.4	11.7	12.9	14.2	15.4	16.6	17.7	18.8	19.9	21.1
77.5°	13.0	14.7	16.4	18.0	19.6	21.4	23.1	24.8	26.4	27.9	29.3
75°	17.0	19.1	21.4	23.7	25.9	28.0	30.3	33.7	36.9	40.0	43.0
72.5°	21.3	24.1	26.9	29.5	33.7	38.0	42.1	46.0	55.0	67.1	78.6
70°	26.0	29.2	34.0	39.2	44.2	52.4	68.1	83.2	97.7	116.3	143.4
67.5°	31.1	37.1	43.1	51.9	70.7	89.0	106.7	141.3	174.8	207.0	240.6
65°	38.7	45.5	62.5	84.0	104.9	144.3	184.7	223.6	272.4	320.9	367.2
62.5°	46.3	67.8	92.0	124.6	171.8	217.7	273.8	332.0	387.9	446.2	502.4
60°	67.8	94.7	135.6	188.4	243.7	311.5	377.3	445.5	512.8	577.6	652.0
57.5°	92.0	135.6	193.9	258.8	334.3	409.1	487.5	563.4	649.0	733.7	815.4
55°	124.6	188.4	258.8	341.9	426.0	513.0	602.0	700.7	796.0	890.8	981.6
52.5°	171.8	243.7	334.3	426.0	521.5	622.7	731.9	839.4	945.5	1045.6	1136.4
50°	217.7	311.5	409.1	513.0	622.7	742.4	861.3	978.5	1086.9	1188.4	1278.9
47.5°	273.8	377.3	487.5	602.0	731.9	861.3	989.6	1107.7	1219.9	1315.9	1406.9
45°	332.0	445.5	563.4	700.7	839.4	978.5	1107.7	1230.5	1334.6	1420.6	1452.2
42.5°	387.9	512.8	649.0	796.0	945.5	1086.9	1219.9	1334.6	1423.7	1458.4	1498.6
40°	446.2	577.6	733.7	890.8	1045.6	1188.4	1315.9	1420.6	1458.4	1502.9	1550.9
37.5°	502.4	652.0	815.4	981.6	1136.4	1278.9	1406.9	1452.2	1498.6	1550.9	1695.0
35°	555.8	722.6	895.1	1064.7	1223.1	1360.2	1439.7	1485.7	1542.1	1681.8	2121.7
32.5°	612.5	789.4	970.6	1140.8	1295.8	1421.3	1466.7	1524.7	1642.5	1942.6	3039.4
30°	669.5	854.1	1040.1	1212.4	1363.5	1445.1	1499.0	1577.9	1758.3	2765.6	3829.9
27.5°	722.6	914.6	1101.5	1273.1	1417.8	1467.3	1531.3	1679.8	2315.4	3514.7	4533.8
25°	771.7	970.6	1158.4	1327.2	1437.0	1493.3	1577.3	1774.8	2995.7	4132.7	4787.1
22.5°	817.3	1021.7	1210.5	1376.9	1454.5	1519.0	1658.7	2282.7	3583.7	4684.9	4915.6
20°	859.2	1064.7	1254.3	1416.2	1470.5	1542.3	1732.8	2815.9	4071.2	4794.6	5002.9
17.5°	896.6	1103.0	1291.0	1429.3	1488.8	1582.4	1860.3	3294.7	4509.9	4893.6	5067.2
15°	929.2	1136.4	1323.1	1440.7	1505.7	1636.1	2249.0	3660.9	4724.7	4971.1	5123.2
12.5°	956.9	1165.0	1350.5	1450.5	1520.1	1682.1	2582.0	3967.4	4794.2	5016.5	5138.6
10°	979.8	1188.4	1373.0	1458.5	1531.9	1720.1	2857.4	4221.2	4851.8	5054.3	5151.4
7.5°	997.6	1206.8	1390.7	1464.8	1541.2	1749.8	3073.4	4420.5	4897.1	5084.0	5161.5
5°	1010.4	1219.9	1403.3	1469.4	1547.9	1771.2	3228.7	4563.9	4929.7	5105.4	5168.8
2.5°	1018.1	1227.9	1411.0	1472.1	1552.0	1784.1	3322.3	4650.4	4949.4	5118.4	5173.2
0°	1020.7	1230.5	1413.5	1473.0	1553.3	1788.4	3353.6	4679.3	4956.0	5122.7	5174.7
-2.5°	1018.1	1227.9	1411.0	1472.1	1552.0	1784.1	3322.3	4650.4	4949.4	5118.4	5173.2
-5°	1010.4	1219.9	1403.3	1469.4	1547.9	1771.2	3228.7	4563.9	4929.7	5105.4	5168.8
-7.5°	997.6	1206.8	1390.7	1464.8	1541.2	1749.8	3073.4	4420.5	4897.1	5084.0	5161.5
-10°	979.8	1188.4	1373.0	1458.5	1531.9	1720.1	2857.4	4221.2	4851.8	5054.3	5151.4
-12.5°	956.9	1165.0	1350.5	1450.5	1520.1	1682.1	2582.0	3967.4	4794.2	5016.5	5138.6
-15°	929.2	1136.4	1323.1	1440.7	1505.7	1636.1	2249.0	3660.9	4724.7	4971.1	5123.2
-17.5°	896.6	1103.0	1291.0	1429.3	1488.8	1582.4	1860.3	3294.7	4509.9	4893.6	5067.2
-20°	859.2	1064.7	1254.3	1416.2	1470.5	1542.3	1732.8	2815.9	4071.2	4794.6	5002.9



REPORT NUMBER: P1305401 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-57-70-1S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	817.3	1021.7	1210.5	1376.9	1454.5	1519.0	1658.7	2282.7	3583.7	4684.9	4915.6
-25°	771.7	970.6	1158.4	1327.2	1437.0	1493.3	1577.3	1774.8	2995.7	4132.7	4787.1
-27.5°	722.6	914.6	1101.5	1273.1	1417.8	1467.3	1531.3	1679.8	2315.4	3514.7	4533.8
-30°	669.5	854.1	1040.1	1212.4	1363.5	1445.1	1499.0	1577.9	1758.3	2765.6	3829.9
-32.5°	612.5	789.4	970.6	1140.8	1295.8	1421.3	1466.7	1524.7	1642.5	1942.6	3039.4
-35°	555.8	722.6	895.1	1064.7	1223.1	1360.2	1439.7	1485.7	1542.1	1681.8	2121.7
-37.5°	502.4	652.0	815.4	981.6	1136.4	1278.9	1406.9	1452.2	1498.6	1550.9	1695.0
-40°	446.2	577.6	733.7	890.8	1045.6	1188.4	1315.9	1420.6	1458.4	1502.9	1550.9
-42.5°	387.9	512.8	649.0	796.0	945.5	1086.9	1219.9	1334.6	1423.7	1458.4	1498.6
-45°	332.0	445.5	563.4	700.7	839.4	978.5	1107.7	1230.5	1334.6	1420.6	1452.2
-47.5°	273.8	377.3	487.5	602.0	731.9	861.3	989.6	1107.7	1219.9	1315.9	1406.9
-50°	217.7	311.5	409.1	513.0	622.7	742.4	861.3	978.5	1086.9	1188.4	1278.9
-52.5°	171.8	243.7	334.3	426.0	521.5	622.7	731.9	839.4	945.5	1045.6	1136.4
-55°	124.6	188.4	258.8	341.9	426.0	513.0	602.0	700.7	796.0	890.8	981.6
-57.5°	92.0	135.6	193.9	258.8	334.3	409.1	487.5	563.4	649.0	733.7	815.4
-60°	67.8	94.7	135.6	188.4	243.7	311.5	377.3	445.5	512.8	577.6	652.0
-62.5°	46.3	67.8	92.0	124.6	171.8	217.7	273.8	332.0	387.9	446.2	502.4
-65°	38.7	45.5	62.5	84.0	104.9	144.3	184.7	223.6	272.4	320.9	367.2
-67.5°	31.1	37.1	43.1	51.9	70.7	89.0	106.7	141.3	174.8	207.0	240.6
-70°	26.0	29.2	34.0	39.2	44.2	52.4	68.1	83.2	97.7	116.3	143.4
-72.5°	21.3	24.1	26.9	29.5	33.7	38.0	42.1	46.0	55.0	67.1	78.6
-75°	17.0	19.1	21.4	23.7	25.9	28.0	30.3	33.7	36.9	40.0	43.0
-77.5°	13.0	14.7	16.4	18.0	19.6	21.4	23.1	24.8	26.4	27.9	29.3
-80°	9.7	10.4	11.7	12.9	14.2	15.4	16.6	17.7	18.8	19.9	21.1
-82.5°	7.7	8.2	8.7	9.2	9.6	10.1	10.6	11.5	12.3	13.0	13.8
-85°	5.5	6.0	6.3	6.6	7.0	7.3	7.5	7.8	8.1	8.3	8.6
-87.5°	2.8	3.0	3.2	3.4	3.7	3.9	4.1	4.2	4.4	4.6	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



REPORT NUMBER: P1305401 (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°	4.9	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	5.9
85°	8.8	9.0	9.2	9.4	9.6	9.7	9.9	10.0	10.1	10.2	10.3
82.5°	14.5	15.1	15.7	16.3	16.8	17.3	17.7	18.1	18.4	18.7	18.9
80°	22.1	23.2	24.1	25.0	25.8	26.6	27.2	27.8	28.4	28.8	29.2
77.5°	31.3	33.5	35.5	37.4	39.1	40.7	42.2	43.4	44.5	45.5	46.2
75°	45.8	50.2	58.4	66.0	73.0	79.4	85.1	90.2	94.7	98.4	101.6
72.5°	89.5	99.8	111.7	130.0	146.9	162.2	176.1	188.4	199.1	208.2	215.7
70°	169.1	193.3	215.9	239.7	266.0	289.9	311.5	330.7	347.4	361.7	373.4
67.5°	279.9	316.9	351.7	383.9	415.6	445.5	472.4	496.4	517.3	535.0	549.7
65°	412.8	458.3	501.0	540.7	577.6	618.0	654.4	686.9	715.1	739.2	759.1
62.5°	555.8	612.5	669.5	722.6	771.7	817.3	859.2	896.6	929.2	956.9	979.8
60°	722.6	789.4	854.1	914.6	970.6	1021.7	1064.7	1103.0	1136.4	1165.0	1188.4
57.5°	895.1	970.6	1040.1	1101.5	1158.4	1210.5	1254.3	1291.0	1323.1	1350.5	1373.0
55°	1064.7	1140.8	1212.4	1273.1	1327.2	1376.9	1416.2	1429.3	1440.7	1450.5	1458.5
52.5°	1223.1	1295.8	1363.5	1417.8	1437.0	1454.5	1470.5	1488.8	1505.7	1520.1	1531.9
50°	1360.2	1421.3	1445.1	1467.3	1493.3	1519.0	1542.3	1582.4	1636.1	1682.1	1720.1
47.5°	1439.7	1466.7	1499.0	1531.3	1577.3	1658.7	1732.8	1860.3	2249.0	2582.0	2857.4
45°	1485.7	1524.7	1577.9	1679.8	1774.8	2282.7	2815.9	3294.7	3660.9	3967.4	4221.2
42.5°	1542.1	1642.5	1758.3	2315.4	2995.7	3583.7	4071.2	4509.9	4724.7	4794.2	4851.8
40°	1681.8	1942.6	2765.6	3514.7	4132.7	4684.9	4794.6	4893.6	4971.1	5016.5	5054.3
37.5°	2121.7	3039.4	3829.9	4533.8	4787.1	4915.6	5002.9	5067.2	5123.2	5138.6	5151.4
35°	3131.4	3989.2	4700.0	4856.6	4985.1	5068.2	5129.6	5151.3	5170.6	5115.3	5049.4
32.5°	3989.2	4717.1	4891.8	5017.7	5112.8	5147.4	5173.1	5071.8	4973.1	4848.5	4710.0
30°	4700.0	4891.8	5028.7	5126.7	5158.3	5111.9	4981.4	4799.7	4593.5	4445.2	4406.7
27.5°	4856.6	5017.7	5126.7	5161.9	5076.0	4922.8	4652.6	4442.9	4385.8	4335.8	4438.4
25°	4985.1	5112.8	5158.3	5076.0	4886.7	4577.6	4413.1	4344.8	4464.7	4598.4	4848.3
22.5°	5068.2	5147.4	5111.9	4922.8	4577.6	4403.1	4364.6	4545.1	4842.7	5233.4	6590.2
20°	5129.6	5173.1	4981.4	4652.6	4413.1	4364.6	4572.4	4995.7	5866.8	9182.2	13105.3
17.5°	5151.3	5071.8	4799.7	4442.9	4344.8	4545.1	4995.7	6500.5	10526.0	19252.9	28459.5
15°	5170.6	4973.1	4593.5	4385.8	4464.7	4842.7	5866.8	10526.0	21361.6	34841.6	49977.7
12.5°	5115.3	4848.5	4445.2	4335.8	4598.4	5233.4	9182.2	19252.9	34841.6	53654.0	85518.9
10°	5049.4	4710.0	4406.7	4438.4	4848.3	6590.2	13105.3	28459.5	49977.7	85518.9	128781.2
7.5°	4997.4	4600.2	4376.0	4520.9	5091.7	8680.0	19852.2	39375.8	70078.1	116878.2	180828.7
5°	4959.7	4520.6	4353.7	4581.2	5270.1	10220.8	24864.8	47764.1	88804.4	148531.8	233832.3
2.5°	4936.8	4472.3	4340.1	4617.9	5379.1	11166.0	27957.9	52982.7	100595.0	171353.8	273485.9
0°	4929.2	4456.1	4335.6	4630.2	5415.8	11484.7	29004.1	54755.8	104628.5	180013.4	287650.2
-2.5°	4936.8	4472.3	4340.1	4617.9	5379.1	11166.0	27957.9	52982.7	100595.0	171353.8	273485.9
-5°	4959.7	4520.6	4353.7	4581.2	5270.1	10220.8	24864.8	47764.1	88804.4	148531.8	233832.3
-7.5°	4997.4	4600.2	4376.0	4520.9	5091.7	8680.0	19852.2	39375.8	70078.1	116878.2	180828.7
-10°	5049.4	4710.0	4406.7	4438.4	4848.3	6590.2	13105.3	28459.5	49977.7	85518.9	128781.2
-12.5°	5115.3	4848.5	4445.2	4335.8	4598.4	5233.4	9182.2	19252.9	34841.6	53654.0	85518.9
-15°	5170.6	4973.1	4593.5	4385.8	4464.7	4842.7	5866.8	10526.0	21361.6	34841.6	49977.7
-17.5°	5151.3	5071.8	4799.7	4442.9	4344.8	4545.1	4995.7	6500.5	10526.0	19252.9	28459.5
-20°	5129.6	5173.1	4981.4	4652.6	4413.1	4364.6	4572.4	4995.7	5866.8	9182.2	13105.3



REPORT NUMBER: P1305401 (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°	5068.2	5147.4	5111.9	4922.8	4577.6	4403.1	4364.6	4545.1	4842.7	5233.4	6590.2
-25°	4985.1	5112.8	5158.3	5076.0	4886.7	4577.6	4413.1	4344.8	4464.7	4598.4	4848.3
-27.5°	4856.6	5017.7	5126.7	5161.9	5076.0	4922.8	4652.6	4442.9	4385.8	4335.8	4438.4
-30°	4700.0	4891.8	5028.7	5126.7	5158.3	5111.9	4981.4	4799.7	4593.5	4445.2	4406.7
-32.5°	3989.2	4717.1	4891.8	5017.7	5112.8	5147.4	5173.1	5071.8	4973.1	4848.5	4710.0
-35°	3131.4	3989.2	4700.0	4856.6	4985.1	5068.2	5129.6	5151.3	5170.6	5115.3	5049.4
-37.5°	2121.7	3039.4	3829.9	4533.8	4787.1	4915.6	5002.9	5067.2	5123.2	5138.6	5151.4
-40°	1681.8	1942.6	2765.6	3514.7	4132.7	4684.9	4794.6	4893.6	4971.1	5016.5	5054.3
-42.5°	1542.1	1642.5	1758.3	2315.4	2995.7	3583.7	4071.2	4509.9	4724.7	4794.2	4851.8
-45°	1485.7	1524.7	1577.9	1679.8	1774.8	2282.7	2815.9	3294.7	3660.9	3967.4	4221.2
-47.5°	1439.7	1466.7	1499.0	1531.3	1577.3	1658.7	1732.8	1860.3	2249.0	2582.0	2857.4
-50°	1360.2	1421.3	1445.1	1467.3	1493.3	1519.0	1542.3	1582.4	1636.1	1682.1	1720.1
-52.5°	1223.1	1295.8	1363.5	1417.8	1437.0	1454.5	1470.5	1488.8	1505.7	1520.1	1531.9
-55°	1064.7	1140.8	1212.4	1273.1	1327.2	1376.9	1416.2	1429.3	1440.7	1450.5	1458.5
-57.5°	895.1	970.6	1040.1	1101.5	1158.4	1210.5	1254.3	1291.0	1323.1	1350.5	1373.0
-60°	722.6	789.4	854.1	914.6	970.6	1021.7	1064.7	1103.0	1136.4	1165.0	1188.4
-62.5°	555.8	612.5	669.5	722.6	771.7	817.3	859.2	896.6	929.2	956.9	979.8
-65°	412.8	458.3	501.0	540.7	577.6	618.0	654.4	686.9	715.1	739.2	759.1
-67.5°	279.9	316.9	351.7	383.9	415.6	445.5	472.4	496.4	517.3	535.0	549.7
-70°	169.1	193.3	215.9	239.7	266.0	289.9	311.5	330.7	347.4	361.7	373.4
-72.5°	89.5	99.8	111.7	130.0	146.9	162.2	176.1	188.4	199.1	208.2	215.7
-75°	45.8	50.2	58.4	66.0	73.0	79.4	85.1	90.2	94.7	98.4	101.6
-77.5°	31.3	33.5	35.5	37.4	39.1	40.7	42.2	43.4	44.5	45.5	46.2
-80°	22.1	23.2	24.1	25.0	25.8	26.6	27.2	27.8	28.4	28.8	29.2
-82.5°	14.5	15.1	15.7	16.3	16.8	17.3	17.7	18.1	18.4	18.7	18.9
-85°	8.8	9.0	9.2	9.4	9.6	9.7	9.9	10.0	10.1	10.2	10.3
-87.5°	4.9	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	5.9
-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: P1305401 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-57-70-1S-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°	5.9	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.7
85°	10.3	10.4	10.4	10.4	10.4	10.4	10.3	10.3	10.2	10.1	10.0
82.5°	19.1	19.2	19.3	19.3	19.3	19.2	19.1	18.9	18.7	18.4	18.1
80°	29.4	29.6	29.8	29.8	29.8	29.6	29.4	29.2	28.8	28.4	27.8
77.5°	46.8	47.3	47.5	47.6	47.5	47.3	46.8	46.2	45.5	44.5	43.4
75°	104.0	105.7	106.8	107.1	106.8	105.7	104.0	101.6	98.4	94.7	90.2
72.5°	221.6	225.7	228.3	229.1	228.3	225.7	221.6	215.7	208.2	199.1	188.4
70°	382.5	389.1	393.0	394.3	393.0	389.1	382.5	373.4	361.7	347.4	330.7
67.5°	561.1	569.2	574.2	575.8	574.2	569.2	561.1	549.7	535.0	517.3	496.4
65°	774.5	785.6	792.3	794.5	792.3	785.6	774.5	759.1	739.2	715.1	686.9
62.5°	997.6	1010.4	1018.1	1020.7	1018.1	1010.4	997.6	979.8	956.9	929.2	896.6
60°	1206.8	1219.9	1227.9	1230.5	1227.9	1219.9	1206.8	1188.4	1165.0	1136.4	1103.0
57.5°	1390.7	1403.3	1411.0	1413.5	1411.0	1403.3	1390.7	1373.0	1350.5	1323.1	1291.0
55°	1464.8	1469.4	1472.1	1473.0	1472.1	1469.4	1464.8	1458.5	1450.5	1440.7	1429.3
52.5°	1541.2	1547.9	1552.0	1553.3	1552.0	1547.9	1541.2	1531.9	1520.1	1505.7	1488.8
50°	1749.8	1771.2	1784.1	1788.4	1784.1	1771.2	1749.8	1720.1	1682.1	1636.1	1582.4
47.5°	3073.4	3228.7	3322.3	3353.6	3322.3	3228.7	3073.4	2857.4	2582.0	2249.0	1860.3
45°	4420.5	4563.9	4650.4	4679.3	4650.4	4563.9	4420.5	4221.2	3967.4	3660.9	3294.7
42.5°	4897.1	4929.7	4949.4	4956.0	4949.4	4929.7	4897.1	4851.8	4794.2	4724.7	4509.9
40°	5084.0	5105.4	5118.4	5122.7	5118.4	5105.4	5084.0	5054.3	5016.5	4971.1	4893.6
37.5°	5161.5	5168.8	5173.2	5174.7	5173.2	5168.8	5161.5	5151.4	5138.6	5123.2	5067.2
35°	4997.4	4959.7	4936.8	4929.2	4936.8	4959.7	4997.4	5049.4	5115.3	5170.6	5151.3
32.5°	4600.2	4520.6	4472.3	4456.1	4472.3	4520.6	4600.2	4710.0	4848.5	4973.1	5071.8
30°	4376.0	4353.7	4340.1	4335.6	4340.1	4353.7	4376.0	4406.7	4445.2	4593.5	4799.7
27.5°	4520.9	4581.2	4617.9	4630.2	4617.9	4581.2	4520.9	4438.4	4335.8	4385.8	4442.9
25°	5091.7	5270.1	5379.1	5415.8	5379.1	5270.1	5091.7	4848.3	4598.4	4464.7	4344.8
22.5°	8680.0	10220.8	11166.0	11484.7	11166.0	10220.8	8680.0	6590.2	5233.4	4842.7	4545.1
20°	19852.2	24864.8	27957.9	29004.1	27957.9	24864.8	19852.2	13105.3	9182.2	5866.8	4995.7
17.5°	39375.8	47764.1	52982.7	54755.8	52982.7	47764.1	39375.8	28459.5	19252.9	10526.0	6500.5
15°	70078.1	88804.4	100595.0	104628.5	100595.0	88804.4	70078.1	49977.7	34841.6	21361.6	10526.0
12.5°	116878.2	148531.8	171353.8	180013.4	171353.8	148531.8	116878.2	85518.9	53654.0	34841.6	19252.9
10°	180828.7	233832.3	273485.9	287650.2	273485.9	233832.3	180828.7	128781.2	85518.9	49977.7	28459.5
7.5°	260155.9	331394.9	381451.4	398494.3	381451.4	331394.9	260155.9	180828.7	116878.2	70078.1	39375.8
5°	331394.9	416804.1	473931.0	495063.8	473931.0	416804.1	331394.9	233832.3	148531.8	88804.4	47764.1
2.5°	381451.4	473931.0	541716.5	573858.1	541716.5	473931.0	381451.4	273485.9	171353.8	100595.0	52982.7
0°	398494.3	495063.8	573858.1	621315.2	573858.1	495063.8	398494.3	287650.2	180013.4	104628.5	54755.8
-2.5°	381451.4	473931.0	541716.5	573858.1	541716.5	473931.0	381451.4	273485.9	171353.8	100595.0	52982.7
-5°	331394.9	416804.1	473931.0	495063.8	473931.0	416804.1	331394.9	233832.3	148531.8	88804.4	47764.1
-7.5°	260155.9	331394.9	381451.4	398494.3	381451.4	331394.9	260155.9	180828.7	116878.2	70078.1	39375.8
-10°	180828.7	233832.3	273485.9	287650.2	273485.9	233832.3	180828.7	128781.2	85518.9	49977.7	28459.5
-12.5°	116878.2	148531.8	171353.8	180013.4	171353.8	148531.8	116878.2	85518.9	53654.0	34841.6	19252.9
-15°	70078.1	88804.4	100595.0	104628.5	100595.0	88804.4	70078.1	49977.7	34841.6	21361.6	10526.0
-17.5°	39375.8	47764.1	52982.7	54755.8	52982.7	47764.1	39375.8	28459.5	19252.9	10526.0	6500.5
-20°	19852.2	24864.8	27957.9	29004.1	27957.9	24864.8	19852.2	13105.3	9182.2	5866.8	4995.7



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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°	8680.0	10220.8	11166.0	11484.7	11166.0	10220.8	8680.0	6590.2	5233.4	4842.7	4545.1
-25°	5091.7	5270.1	5379.1	5415.8	5379.1	5270.1	5091.7	4848.3	4598.4	4464.7	4344.8
-27.5°	4520.9	4581.2	4617.9	4630.2	4617.9	4581.2	4520.9	4438.4	4335.8	4385.8	4442.9
-30°	4376.0	4353.7	4340.1	4335.6	4340.1	4353.7	4376.0	4406.7	4445.2	4593.5	4799.7
-32.5°	4600.2	4520.6	4472.3	4456.1	4472.3	4520.6	4600.2	4710.0	4848.5	4973.1	5071.8
-35°	4997.4	4959.7	4936.8	4929.2	4936.8	4959.7	4997.4	5049.4	5115.3	5170.6	5151.3
-37.5°	5161.5	5168.8	5173.2	5174.7	5173.2	5168.8	5161.5	5151.4	5138.6	5123.2	5067.2
-40°	5084.0	5105.4	5118.4	5122.7	5118.4	5105.4	5084.0	5054.3	5016.5	4971.1	4893.6
-42.5°	4897.1	4929.7	4949.4	4956.0	4949.4	4929.7	4897.1	4851.8	4794.2	4724.7	4509.9
-45°	4420.5	4563.9	4650.4	4679.3	4650.4	4563.9	4420.5	4221.2	3967.4	3660.9	3294.7
-47.5°	3073.4	3228.7	3322.3	3353.6	3322.3	3228.7	3073.4	2857.4	2582.0	2249.0	1860.3
-50°	1749.8	1771.2	1784.1	1788.4	1784.1	1771.2	1749.8	1720.1	1682.1	1636.1	1582.4
-52.5°	1541.2	1547.9	1552.0	1553.3	1552.0	1547.9	1541.2	1531.9	1520.1	1505.7	1488.8
-55°	1464.8	1469.4	1472.1	1473.0	1472.1	1469.4	1464.8	1458.5	1450.5	1440.7	1429.3
-57.5°	1390.7	1403.3	1411.0	1413.5	1411.0	1403.3	1390.7	1373.0	1350.5	1323.1	1291.0
-60°	1206.8	1219.9	1227.9	1230.5	1227.9	1219.9	1206.8	1188.4	1165.0	1136.4	1103.0
-62.5°	997.6	1010.4	1018.1	1020.7	1018.1	1010.4	997.6	979.8	956.9	929.2	896.6
-65°	774.5	785.6	792.3	794.5	792.3	785.6	774.5	759.1	739.2	715.1	686.9
-67.5°	561.1	569.2	574.2	575.8	574.2	569.2	561.1	549.7	535.0	517.3	496.4
-70°	382.5	389.1	393.0	394.3	393.0	389.1	382.5	373.4	361.7	347.4	330.7
-72.5°	221.6	225.7	228.3	229.1	228.3	225.7	221.6	215.7	208.2	199.1	188.4
-75°	104.0	105.7	106.8	107.1	106.8	105.7	104.0	101.6	98.4	94.7	90.2
-77.5°	46.8	47.3	47.5	47.6	47.5	47.3	46.8	46.2	45.5	44.5	43.4
-80°	29.4	29.6	29.8	29.8	29.8	29.6	29.4	29.2	28.8	28.4	27.8
-82.5°	19.1	19.2	19.3	19.3	19.3	19.2	19.1	18.9	18.7	18.4	18.1
-85°	10.3	10.4	10.4	10.4	10.4	10.4	10.3	10.3	10.2	10.1	10.0
-87.5°	5.9	6.0	6.0	6.0	6.0	6.0	5.9	5.9	5.9	5.8	5.7
-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):**

	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°	5.6	5.5	5.4	5.3	5.2	5.1	4.9	4.8	4.6	4.4	4.2
85°	9.9	9.7	9.6	9.4	9.2	9.0	8.8	8.6	8.3	8.1	7.8
82.5°	17.7	17.3	16.8	16.3	15.7	15.1	14.5	13.8	13.0	12.3	11.5
80°	27.2	26.6	25.8	25.0	24.1	23.2	22.1	21.1	19.9	18.8	17.7
77.5°	42.2	40.7	39.1	37.4	35.5	33.5	31.3	29.3	27.9	26.4	24.8
75°	85.1	79.4	73.0	66.0	58.4	50.2	45.8	43.0	40.0	36.9	33.7
72.5°	176.1	162.2	146.9	130.0	111.7	99.8	89.5	78.6	67.1	55.0	46.0
70°	311.5	289.9	266.0	239.7	215.9	193.3	169.1	143.4	116.3	97.7	83.2
67.5°	472.4	445.5	415.6	383.9	351.7	316.9	279.9	240.6	207.0	174.8	141.3
65°	654.4	618.0	577.6	540.7	501.0	458.3	412.8	367.2	320.9	272.4	223.6
62.5°	859.2	817.3	771.7	722.6	669.5	612.5	555.8	502.4	446.2	387.9	332.0
60°	1064.7	1021.7	970.6	914.6	854.1	789.4	722.6	652.0	577.6	512.8	445.5
57.5°	1254.3	1210.5	1158.4	1101.5	1040.1	970.6	895.1	815.4	733.7	649.0	563.4
55°	1416.2	1376.9	1327.2	1273.1	1212.4	1140.8	1064.7	981.6	890.8	796.0	700.7
52.5°	1470.5	1454.5	1437.0	1417.8	1363.5	1295.8	1223.1	1136.4	1045.6	945.5	839.4
50°	1542.3	1519.0	1493.3	1467.3	1445.1	1421.3	1360.2	1278.9	1188.4	1086.9	978.5
47.5°	1732.8	1658.7	1577.3	1531.3	1499.0	1466.7	1439.7	1406.9	1315.9	1219.9	1107.7
45°	2815.9	2282.7	1774.8	1679.8	1577.9	1524.7	1485.7	1452.2	1420.6	1334.6	1230.5
42.5°	4071.2	3583.7	2995.7	2315.4	1758.3	1642.5	1542.1	1498.6	1458.4	1423.7	1334.6
40°	4794.6	4684.9	4132.7	3514.7	2765.6	1942.6	1681.8	1550.9	1502.9	1458.4	1420.6
37.5°	5002.9	4915.6	4787.1	4533.8	3829.9	3039.4	2121.7	1695.0	1550.9	1498.6	1452.2
35°	5129.6	5068.2	4985.1	4856.6	4700.0	3989.2	3131.4	2121.7	1681.8	1542.1	1485.7
32.5°	5173.1	5147.4	5112.8	5017.7	4891.8	4717.1	3989.2	3039.4	1942.6	1642.5	1524.7
30°	4981.4	5111.9	5158.3	5126.7	5028.7	4891.8	4700.0	3829.9	2765.6	1758.3	1577.9
27.5°	4652.6	4922.8	5076.0	5161.9	5126.7	5017.7	4856.6	4533.8	3514.7	2315.4	1679.8
25°	4413.1	4577.6	4886.7	5076.0	5158.3	5112.8	4985.1	4787.1	4132.7	2995.7	1774.8
22.5°	4364.6	4403.1	4577.6	4922.8	5111.9	5147.4	5068.2	4915.6	4684.9	3583.7	2282.7
20°	4572.4	4364.6	4413.1	4652.6	4981.4	5173.1	5129.6	5002.9	4794.6	4071.2	2815.9
17.5°	4995.7	4545.1	4344.8	4442.9	4799.7	5071.8	5151.3	5067.2	4893.6	4509.9	3294.7
15°	5866.8	4842.7	4464.7	4385.8	4593.5	4973.1	5170.6	5123.2	4971.1	4724.7	3660.9
12.5°	9182.2	5233.4	4598.4	4335.8	4445.2	4848.5	5115.3	5138.6	5016.5	4794.2	3967.4
10°	13105.3	6590.2	4848.3	4438.4	4406.7	4710.0	5049.4	5151.4	5054.3	4851.8	4221.2
7.5°	19852.2	8680.0	5091.7	4520.9	4376.0	4600.2	4997.4	5161.5	5084.0	4897.1	4420.5
5°	24864.8	10220.8	5270.1	4581.2	4353.7	4520.6	4959.7	5168.8	5105.4	4929.7	4563.9
2.5°	27957.9	11166.0	5379.1	4617.9	4340.1	4472.3	4936.8	5173.2	5118.4	4949.4	4650.4
0°	29004.1	11484.7	5415.8	4630.2	4335.6	4456.1	4929.2	5174.7	5122.7	4956.0	4679.3
-2.5°	27957.9	11166.0	5379.1	4617.9	4340.1	4472.3	4936.8	5173.2	5118.4	4949.4	4650.4
-5°	24864.8	10220.8	5270.1	4581.2	4353.7	4520.6	4959.7	5168.8	5105.4	4929.7	4563.9
-7.5°	19852.2	8680.0	5091.7	4520.9	4376.0	4600.2	4997.4	5161.5	5084.0	4897.1	4420.5
-10°	13105.3	6590.2	4848.3	4438.4	4406.7	4710.0	5049.4	5151.4	5054.3	4851.8	4221.2
-12.5°	9182.2	5233.4	4598.4	4335.8	4445.2	4848.5	5115.3	5138.6	5016.5	4794.2	3967.4
-15°	5866.8	4842.7	4464.7	4385.8	4593.5	4973.1	5170.6	5123.2	4971.1	4724.7	3660.9
-17.5°	4995.7	4545.1	4344.8	4442.9	4799.7	5071.8	5151.3	5067.2	4893.6	4509.9	3294.7
-20°	4572.4	4364.6	4413.1	4652.6	4981.4	5173.1	5129.6	5002.9	4794.6	4071.2	2815.9



REPORT NUMBER: P1305401 (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°
-22.5°	4364.6	4403.1	4577.6	4922.8	5111.9	5147.4	5068.2	4915.6	4684.9	3583.7	2282.7
-25°	4413.1	4577.6	4886.7	5076.0	5158.3	5112.8	4985.1	4787.1	4132.7	2995.7	1774.8
-27.5°	4652.6	4922.8	5076.0	5161.9	5126.7	5017.7	4856.6	4533.8	3514.7	2315.4	1679.8
-30°	4981.4	5111.9	5158.3	5126.7	5028.7	4891.8	4700.0	3829.9	2765.6	1758.3	1577.9
-32.5°	5173.1	5147.4	5112.8	5017.7	4891.8	4717.1	3989.2	3039.4	1942.6	1642.5	1524.7
-35°	5129.6	5068.2	4985.1	4856.6	4700.0	3989.2	3131.4	2121.7	1681.8	1542.1	1485.7
-37.5°	5002.9	4915.6	4787.1	4533.8	3829.9	3039.4	2121.7	1695.0	1550.9	1498.6	1452.2
-40°	4794.6	4684.9	4132.7	3514.7	2765.6	1942.6	1681.8	1550.9	1502.9	1458.4	1420.6
-42.5°	4071.2	3583.7	2995.7	2315.4	1758.3	1642.5	1542.1	1498.6	1458.4	1423.7	1334.6
-45°	2815.9	2282.7	1774.8	1679.8	1577.9	1524.7	1485.7	1452.2	1420.6	1334.6	1230.5
-47.5°	1732.8	1658.7	1577.3	1531.3	1499.0	1466.7	1439.7	1406.9	1315.9	1219.9	1107.7
-50°	1542.3	1519.0	1493.3	1467.3	1445.1	1421.3	1360.2	1278.9	1188.4	1086.9	978.5
-52.5°	1470.5	1454.5	1437.0	1417.8	1363.5	1295.8	1223.1	1136.4	1045.6	945.5	839.4
-55°	1416.2	1376.9	1327.2	1273.1	1212.4	1140.8	1064.7	981.6	890.8	796.0	700.7
-57.5°	1254.3	1210.5	1158.4	1101.5	1040.1	970.6	895.1	815.4	733.7	649.0	563.4
-60°	1064.7	1021.7	970.6	914.6	854.1	789.4	722.6	652.0	577.6	512.8	445.5
-62.5°	859.2	817.3	771.7	722.6	669.5	612.5	555.8	502.4	446.2	387.9	332.0
-65°	654.4	618.0	577.6	540.7	501.0	458.3	412.8	367.2	320.9	272.4	223.6
-67.5°	472.4	445.5	415.6	383.9	351.7	316.9	279.9	240.6	207.0	174.8	141.3
-70°	311.5	289.9	266.0	239.7	215.9	193.3	169.1	143.4	116.3	97.7	83.2
-72.5°	176.1	162.2	146.9	130.0	111.7	99.8	89.5	78.6	67.1	55.0	46.0
-75°	85.1	79.4	73.0	66.0	58.4	50.2	45.8	43.0	40.0	36.9	33.7
-77.5°	42.2	40.7	39.1	37.4	35.5	33.5	31.3	29.3	27.9	26.4	24.8
-80°	27.2	26.6	25.8	25.0	24.1	23.2	22.1	21.1	19.9	18.8	17.7
-82.5°	17.7	17.3	16.8	16.3	15.7	15.1	14.5	13.8	13.0	12.3	11.5
-85°	9.9	9.7	9.6	9.4	9.2	9.0	8.8	8.6	8.3	8.1	7.8
-87.5°	5.6	5.5	5.4	5.3	5.2	5.1	4.9	4.8	4.6	4.4	4.2
-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: P1305401 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-57-70-1S-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	3.4	3.2	3.0	2.8	2.5	2.3	2.1	1.8
85°	7.5	7.3	7.0	6.6	6.3	6.0	5.5	5.1	4.6	4.1	3.6
82.5°	10.6	10.1	9.6	9.2	8.7	8.2	7.7	7.2	6.6	6.1	5.4
80°	16.6	15.4	14.2	12.9	11.7	10.4	9.7	9.0	8.3	7.6	6.9
77.5°	23.1	21.4	19.6	18.0	16.4	14.7	13.0	11.3	10.0	9.1	8.2
75°	30.3	28.0	25.9	23.7	21.4	19.1	17.0	15.0	12.8	10.7	9.5
72.5°	42.1	38.0	33.7	29.5	26.9	24.1	21.3	18.6	16.1	13.6	11.1
70°	68.1	52.4	44.2	39.2	34.0	29.2	26.0	22.7	19.4	16.5	13.6
67.5°	106.7	89.0	70.7	51.9	43.1	37.1	31.1	26.9	23.2	19.4	16.1
65°	184.7	144.3	104.9	84.0	62.5	45.5	38.7	31.9	26.9	22.7	18.6
62.5°	273.8	217.7	171.8	124.6	92.0	67.8	46.3	38.7	31.1	26.0	21.3
60°	377.3	311.5	243.7	188.4	135.6	94.7	67.8	45.5	37.1	29.2	24.1
57.5°	487.5	409.1	334.3	258.8	193.9	135.6	92.0	62.5	43.1	34.0	26.9
55°	602.0	513.0	426.0	341.9	258.8	188.4	124.6	84.0	51.9	39.2	29.5
52.5°	731.9	622.7	521.5	426.0	334.3	243.7	171.8	104.9	70.7	44.2	33.7
50°	861.3	742.4	622.7	513.0	409.1	311.5	217.7	144.3	89.0	52.4	38.0
47.5°	989.6	861.3	731.9	602.0	487.5	377.3	273.8	184.7	106.7	68.1	42.1
45°	1107.7	978.5	839.4	700.7	563.4	445.5	332.0	223.6	141.3	83.2	46.0
42.5°	1219.9	1086.9	945.5	796.0	649.0	512.8	387.9	272.4	174.8	97.7	55.0
40°	1315.9	1188.4	1045.6	890.8	733.7	577.6	446.2	320.9	207.0	116.3	67.1
37.5°	1406.9	1278.9	1136.4	981.6	815.4	652.0	502.4	367.2	240.6	143.4	78.6
35°	1439.7	1360.2	1223.1	1064.7	895.1	722.6	555.8	412.8	279.9	169.1	89.5
32.5°	1466.7	1421.3	1295.8	1140.8	970.6	789.4	612.5	458.3	316.9	193.3	99.8
30°	1499.0	1445.1	1363.5	1212.4	1040.1	854.1	669.5	501.0	351.7	215.9	111.7
27.5°	1531.3	1467.3	1417.8	1273.1	1101.5	914.6	722.6	540.7	383.9	239.7	130.0
25°	1577.3	1493.3	1437.0	1327.2	1158.4	970.6	771.7	577.6	415.6	266.0	146.9
22.5°	1658.7	1519.0	1454.5	1376.9	1210.5	1021.7	817.3	618.0	445.5	289.9	162.2
20°	1732.8	1542.3	1470.5	1416.2	1254.3	1064.7	859.2	654.4	472.4	311.5	176.1
17.5°	1860.3	1582.4	1488.8	1429.3	1291.0	1103.0	896.6	686.9	496.4	330.7	188.4
15°	2249.0	1636.1	1505.7	1440.7	1323.1	1136.4	929.2	715.1	517.3	347.4	199.1
12.5°	2582.0	1682.1	1520.1	1450.5	1350.5	1165.0	956.9	739.2	535.0	361.7	208.2
10°	2857.4	1720.1	1531.9	1458.5	1373.0	1188.4	979.8	759.1	549.7	373.4	215.7
7.5°	3073.4	1749.8	1541.2	1464.8	1390.7	1206.8	997.6	774.5	561.1	382.5	221.6
5°	3228.7	1771.2	1547.9	1469.4	1403.3	1219.9	1010.4	785.6	569.2	389.1	225.7
2.5°	3322.3	1784.1	1552.0	1472.1	1411.0	1227.9	1018.1	792.3	574.2	393.0	228.3
0°	<b>3353.6</b>	<b>1788.4</b>	<b>1553.3</b>	<b>1473.0</b>	<b>1413.5</b>	<b>1230.5</b>	<b>1020.7</b>	<b>794.5</b>	<b>575.8</b>	<b>394.3</b>	<b>229.1</b>
-2.5°	3322.3	1784.1	1552.0	1472.1	1411.0	1227.9	1018.1	792.3	574.2	393.0	228.3
-5°	3228.7	1771.2	1547.9	1469.4	1403.3	1219.9	1010.4	785.6	569.2	389.1	225.7
-7.5°	3073.4	1749.8	1541.2	1464.8	1390.7	1206.8	997.6	774.5	561.1	382.5	221.6
-10°	2857.4	1720.1	1531.9	1458.5	1373.0	1188.4	979.8	759.1	549.7	373.4	215.7
-12.5°	2582.0	1682.1	1520.1	1450.5	1350.5	1165.0	956.9	739.2	535.0	361.7	208.2
-15°	2249.0	1636.1	1505.7	1440.7	1323.1	1136.4	929.2	715.1	517.3	347.4	199.1
-17.5°	1860.3	1582.4	1488.8	1429.3	1291.0	1103.0	896.6	686.9	496.4	330.7	188.4
-20°	1732.8	1542.3	1470.5	1416.2	1254.3	1064.7	859.2	654.4	472.4	311.5	176.1



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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°	1658.7	1519.0	1454.5	1376.9	1210.5	1021.7	817.3	618.0	445.5	289.9	162.2
-25°	1577.3	1493.3	1437.0	1327.2	1158.4	970.6	771.7	577.6	415.6	266.0	146.9
-27.5°	1531.3	1467.3	1417.8	1273.1	1101.5	914.6	722.6	540.7	383.9	239.7	130.0
-30°	1499.0	1445.1	1363.5	1212.4	1040.1	854.1	669.5	501.0	351.7	215.9	111.7
-32.5°	1466.7	1421.3	1295.8	1140.8	970.6	789.4	612.5	458.3	316.9	193.3	99.8
-35°	1439.7	1360.2	1223.1	1064.7	895.1	722.6	555.8	412.8	279.9	169.1	89.5
-37.5°	1406.9	1278.9	1136.4	981.6	815.4	652.0	502.4	367.2	240.6	143.4	78.6
-40°	1315.9	1188.4	1045.6	890.8	733.7	577.6	446.2	320.9	207.0	116.3	67.1
-42.5°	1219.9	1086.9	945.5	796.0	649.0	512.8	387.9	272.4	174.8	97.7	55.0
-45°	1107.7	978.5	839.4	700.7	563.4	445.5	332.0	223.6	141.3	83.2	46.0
-47.5°	989.6	861.3	731.9	602.0	487.5	377.3	273.8	184.7	106.7	68.1	42.1
-50°	861.3	742.4	622.7	513.0	409.1	311.5	217.7	144.3	89.0	52.4	38.0
-52.5°	731.9	622.7	521.5	426.0	334.3	243.7	171.8	104.9	70.7	44.2	33.7
-55°	602.0	513.0	426.0	341.9	258.8	188.4	124.6	84.0	51.9	39.2	29.5
-57.5°	487.5	409.1	334.3	258.8	193.9	135.6	92.0	62.5	43.1	34.0	26.9
-60°	377.3	311.5	243.7	188.4	135.6	94.7	67.8	45.5	37.1	29.2	24.1
-62.5°	273.8	217.7	171.8	124.6	92.0	67.8	46.3	38.7	31.1	26.0	21.3
-65°	184.7	144.3	104.9	84.0	62.5	45.5	38.7	31.9	26.9	22.7	18.6
-67.5°	106.7	89.0	70.7	51.9	43.1	37.1	31.1	26.9	23.2	19.4	16.1
-70°	68.1	52.4	44.2	39.2	34.0	29.2	26.0	22.7	19.4	16.5	13.6
-72.5°	42.1	38.0	33.7	29.5	26.9	24.1	21.3	18.6	16.1	13.6	11.1
-75°	30.3	28.0	25.9	23.7	21.4	19.1	17.0	15.0	12.8	10.7	9.5
-77.5°	23.1	21.4	19.6	18.0	16.4	14.7	13.0	11.3	10.0	9.1	8.2
-80°	16.6	15.4	14.2	12.9	11.7	10.4	9.7	9.0	8.3	7.6	6.9
-82.5°	10.6	10.1	9.6	9.2	8.7	8.2	7.7	7.2	6.6	6.1	5.4
-85°	7.5	7.3	7.0	6.6	6.3	6.0	5.5	5.1	4.6	4.1	3.6
-87.5°	4.1	3.9	3.7	3.4	3.2	3.0	2.8	2.5	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	1.0	0.8	0.5	0.3	0.0
85°	3.1	2.6	2.1	1.6	1.0	0.5	0.0
82.5°	4.6	3.9	3.1	2.3	1.6	0.8	0.0
80°	6.1	5.2	4.1	3.1	2.1	1.0	0.0
77.5°	7.3	6.3	5.2	3.9	2.6	1.3	0.0
75°	8.4	7.3	6.1	4.6	3.1	1.6	0.0
72.5°	9.5	8.2	6.9	5.4	3.6	1.8	0.0
70°	10.7	9.1	7.6	6.1	4.1	2.1	0.0
67.5°	12.8	10.0	8.3	6.6	4.6	2.3	0.0
65°	15.0	11.3	9.0	7.2	5.1	2.5	0.0
62.5°	17.0	13.0	9.7	7.7	5.5	2.8	0.0
60°	19.1	14.7	10.4	8.2	6.0	3.0	0.0
57.5°	21.4	16.4	11.7	8.7	6.3	3.2	0.0
55°	23.7	18.0	12.9	9.2	6.6	3.4	0.0
52.5°	25.9	19.6	14.2	9.6	7.0	3.7	0.0
50°	28.0	21.4	15.4	10.1	7.3	3.9	0.0
47.5°	30.3	23.1	16.6	10.6	7.5	4.1	0.0
45°	33.7	24.8	17.7	11.5	7.8	4.2	0.0
42.5°	36.9	26.4	18.8	12.3	8.1	4.4	0.0
40°	40.0	27.9	19.9	13.0	8.3	4.6	0.0
37.5°	43.0	29.3	21.1	13.8	8.6	4.8	0.0
35°	45.8	31.3	22.1	14.5	8.8	4.9	0.0
32.5°	50.2	33.5	23.2	15.1	9.0	5.1	0.0
30°	58.4	35.5	24.1	15.7	9.2	5.2	0.0
27.5°	66.0	37.4	25.0	16.3	9.4	5.3	0.0
25°	73.0	39.1	25.8	16.8	9.6	5.4	0.0
22.5°	79.4	40.7	26.6	17.3	9.7	5.5	0.0
20°	85.1	42.2	27.2	17.7	9.9	5.6	0.0
17.5°	90.2	43.4	27.8	18.1	10.0	5.7	0.0
15°	94.7	44.5	28.4	18.4	10.1	5.8	0.0
12.5°	98.4	45.5	28.8	18.7	10.2	5.9	0.0
10°	101.6	46.2	29.2	18.9	10.3	5.9	0.0
7.5°	104.0	46.8	29.4	19.1	10.3	5.9	0.0
5°	105.7	47.3	29.6	19.2	10.4	6.0	0.0
2.5°	106.8	47.5	29.8	19.3	10.4	6.0	0.0
0°	107.1	47.6	29.8	19.3	10.4	6.0	0.0
-2.5°	106.8	47.5	29.8	19.3	10.4	6.0	0.0
-5°	105.7	47.3	29.6	19.2	10.4	6.0	0.0
-7.5°	104.0	46.8	29.4	19.1	10.3	5.9	0.0
-10°	101.6	46.2	29.2	18.9	10.3	5.9	0.0
-12.5°	98.4	45.5	28.8	18.7	10.2	5.9	0.0
-15°	94.7	44.5	28.4	18.4	10.1	5.8	0.0
-17.5°	90.2	43.4	27.8	18.1	10.0	5.7	0.0
-20°	85.1	42.2	27.2	17.7	9.9	5.6	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	79.4	40.7	26.6	17.3	9.7	5.5	0.0
-25°	73.0	39.1	25.8	16.8	9.6	5.4	0.0
-27.5°	66.0	37.4	25.0	16.3	9.4	5.3	0.0
-30°	58.4	35.5	24.1	15.7	9.2	5.2	0.0
-32.5°	50.2	33.5	23.2	15.1	9.0	5.1	0.0
-35°	45.8	31.3	22.1	14.5	8.8	4.9	0.0
-37.5°	43.0	29.3	21.1	13.8	8.6	4.8	0.0
-40°	40.0	27.9	19.9	13.0	8.3	4.6	0.0
-42.5°	36.9	26.4	18.8	12.3	8.1	4.4	0.0
-45°	33.7	24.8	17.7	11.5	7.8	4.2	0.0
-47.5°	30.3	23.1	16.6	10.6	7.5	4.1	0.0
-50°	28.0	21.4	15.4	10.1	7.3	3.9	0.0
-52.5°	25.9	19.6	14.2	9.6	7.0	3.7	0.0
-55°	23.7	18.0	12.9	9.2	6.6	3.4	0.0
-57.5°	21.4	16.4	11.7	8.7	6.3	3.2	0.0
-60°	19.1	14.7	10.4	8.2	6.0	3.0	0.0
-62.5°	17.0	13.0	9.7	7.7	5.5	2.8	0.0
-65°	15.0	11.3	9.0	7.2	5.1	2.5	0.0
-67.5°	12.8	10.0	8.3	6.6	4.6	2.3	0.0
-70°	10.7	9.1	7.6	6.1	4.1	2.1	0.0
-72.5°	9.5	8.2	6.9	5.4	3.6	1.8	0.0
-75°	8.4	7.3	6.1	4.6	3.1	1.6	0.0
-77.5°	7.3	6.3	5.2	3.9	2.6	1.3	0.0
-80°	6.1	5.2	4.1	3.1	2.1	1.0	0.0
-82.5°	4.6	3.9	3.1	2.3	1.6	0.8	0.0
-85°	3.1	2.6	2.1	1.6	1.0	0.5	0.0
-87.5°	1.6	1.3	1.0	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)