

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: P1305377 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-40-70-1S-HEG-A**

Issue Date: 2/3/2026

**Test Information**

Test Method: LM-79-08  
Report Number: P1305377 (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-40-70-1S-HEG-A  
Description: EPHEBUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 70 CRI LEDS AND 1S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

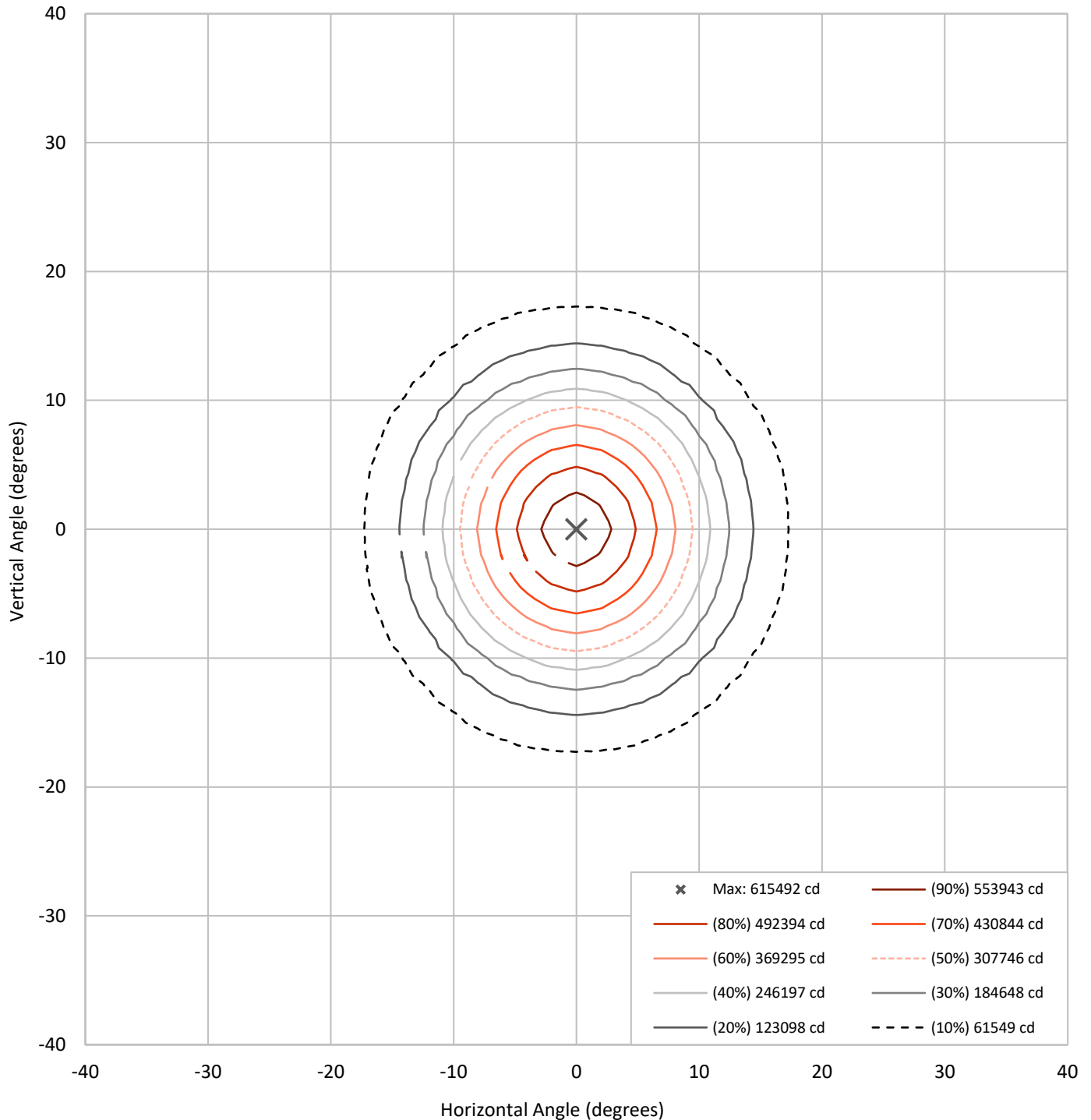
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	83378 lumens	Max Intensity:	615492 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	123.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	19°H x 19°V	Field Angle (10%):	34.3°H x 34.3°V
Beam Lumens:	35937 lumens	Field Lumens:	66203.7 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





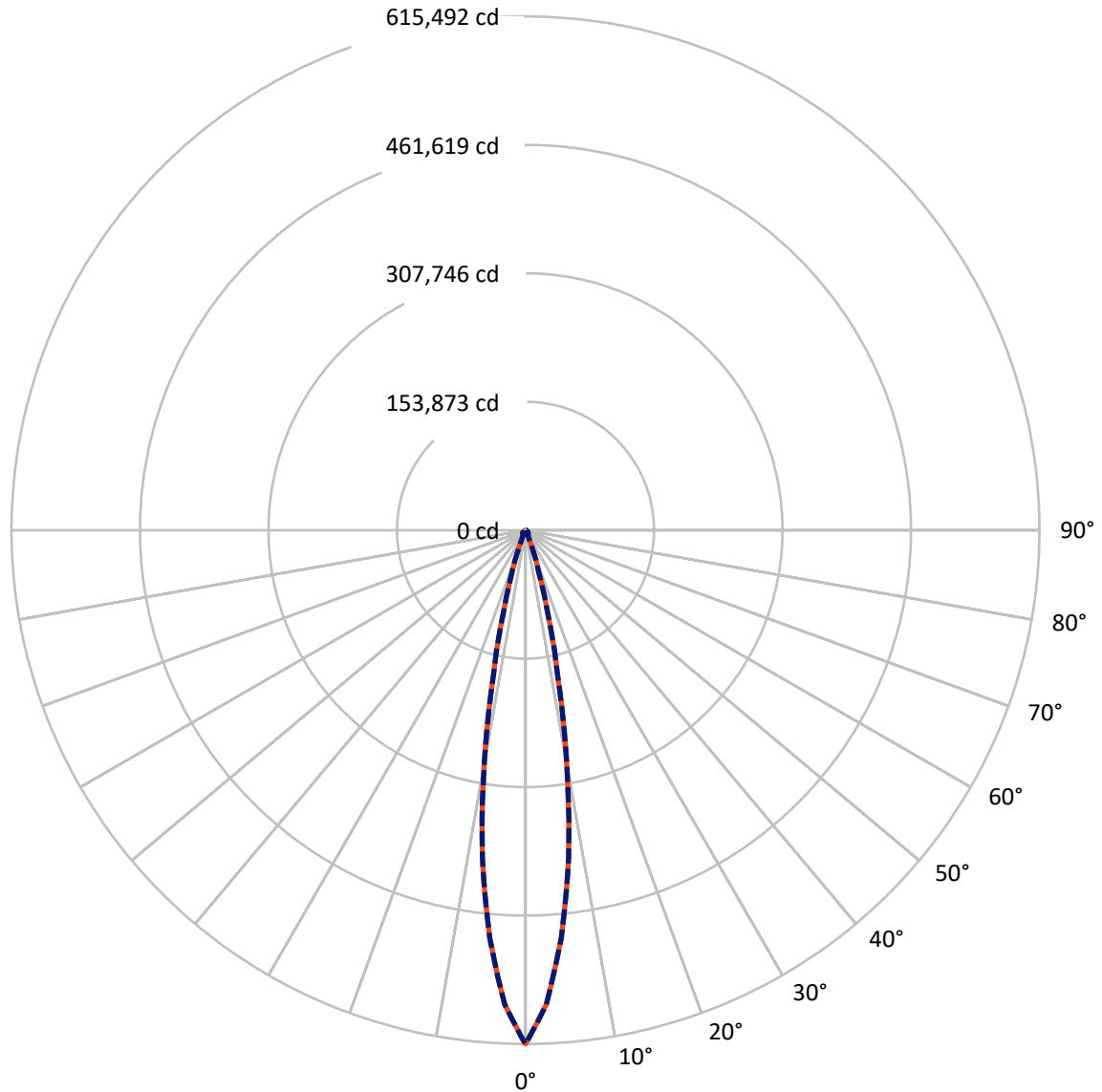
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### Lumen Table

90	0.1	0.8		2.9		7.2		9.5		7.2		2.9		0.8		0.1			
80	0.1	0.8		2.9		7.2		9.5		7.2		2.9		0.8		0.1			
70	0.4	0.5	1.7	5.2	10.5	16.3	21.1	23.7	23.7	21.1	16.3	10.5	5.2	1.7	0.5	0.4			
60		1.3	6.1	15.1	26.0	35.1	41.1	44.3	44.3	41.1	35.1	26.0	15.1	6.1	1.3				
50	1.0	3.2	12.3	25.8	37.6	63.7	100.3	120.5	120.5	100.3	63.7	37.6	25.8	12.3	3.2	1.0			
40		5.6	18.4	32.5	76.9	131.6	145.4	145.7	145.7	145.4	131.6	76.9	32.5	18.4	5.6				
30	2.1	7.8	22.4	50.3	119.1	131.9	144.9	251.2	251.2	144.9	131.9	119.1	50.3	22.4	7.8	2.1			
20		9.5	24.5	74.5	123.3	136.2	796.2	2973.2	2973.2	796.2	136.2	123.3	74.5	24.5	9.5				
10	2.7	10.4	25.7	86.5	119.6	231.1	2901.1	11417.1	11417.1	2901.1	231.1	119.6	86.5	25.7	10.4	2.7			
0		10.4	25.7	86.5	119.6	231.1	2901.1	11417.1	11417.1	2901.1	231.1	119.6	86.5	25.7	10.4				
-10	2.1	9.5	24.5	74.5	123.3	136.2	796.2	2973.2	2973.2	796.2	136.2	123.3	74.5	24.5	9.5	2.1			
-20		7.8	22.4	50.3	119.1	131.9	144.9	251.2	251.2	144.9	131.9	119.1	50.3	22.4	7.8				
-30	1.0	5.6	18.4	32.5	76.9	131.6	145.4	145.7	145.7	145.4	131.6	76.9	32.5	18.4	5.6	1.0			
-40		3.2	12.3	25.8	37.6	63.7	100.3	120.5	120.5	100.3	63.7	37.6	25.8	12.3	3.2				
-50	0.4	1.3	6.1	15.1	26.0	35.1	41.1	44.3	44.3	41.1	35.1	26.0	15.1	6.1	1.3	0.4			
-60		0.5	1.7	5.2	10.5	16.3	21.1	23.7	23.7	21.1	16.3	10.5	5.2	1.7	0.5				
-70	0.1	0.8		2.9		7.2		9.5		7.2		2.9		0.8		0.1			
-80		0.8		2.9		7.2		9.5		7.2		2.9		0.8					
-90	0.1	0.8		2.9		7.2		9.5		7.2		2.9		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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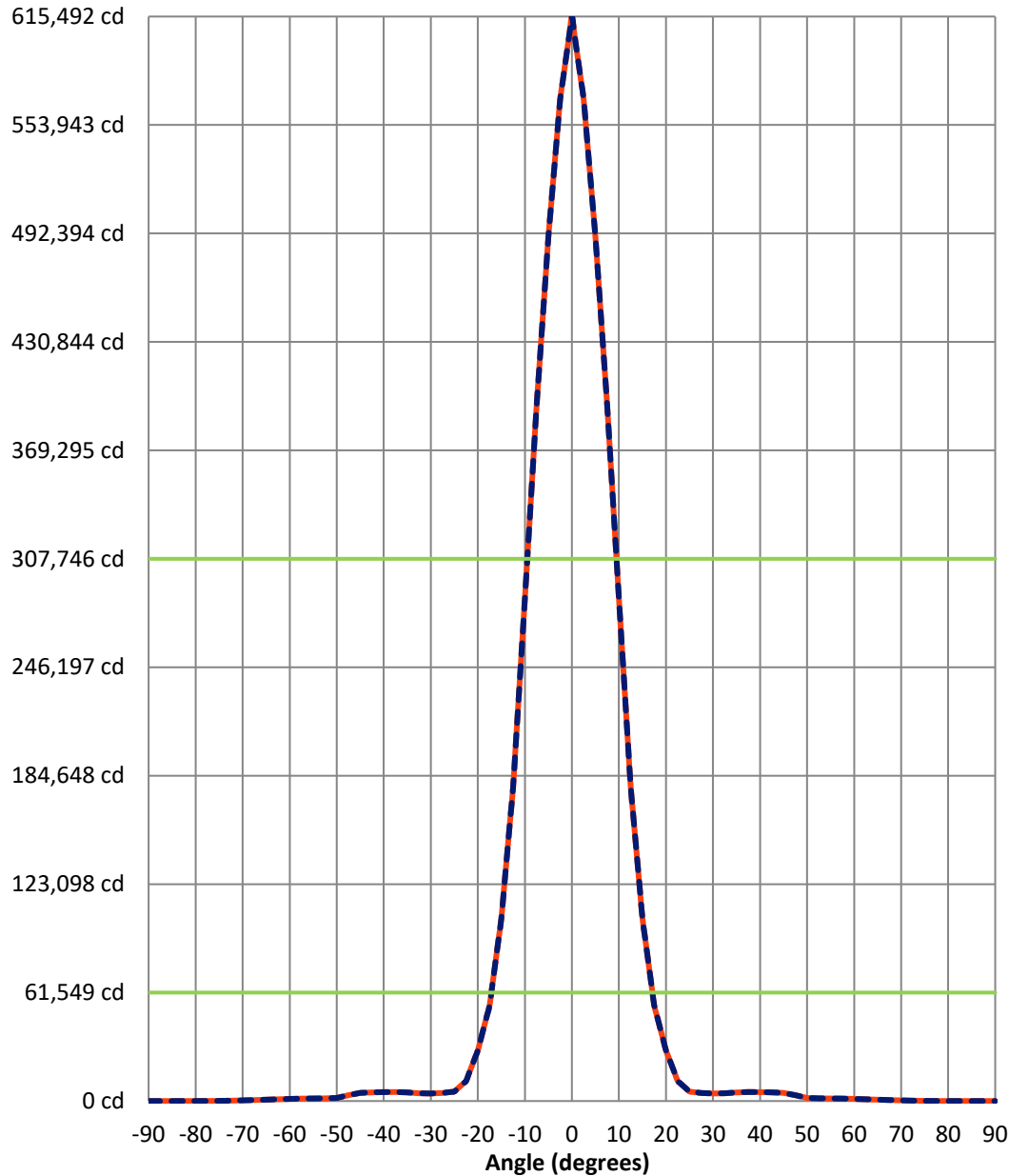
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 19°  
V Angle: 19°  
Lumens: 35937  
Efficiency: 43.1%

**Field:**  
H Angle: 34.3°  
V Angle: 34.3°  
Lumens: 66203.7  
Efficiency: 79.4%

**Spill:**  
Lumens: 17174.3  
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	1.5	1.8	2.0	2.3	2.5
85°	0.0	0.5	1.0	1.5	2.0	2.6	3.1	3.5	4.0	4.5	5.0
82.5°	0.0	0.8	1.5	2.3	3.1	3.8	4.6	5.3	6.0	6.5	7.1
80°	0.0	1.0	2.0	3.1	4.1	5.1	6.0	6.8	7.5	8.2	8.9
77.5°	0.0	1.3	2.6	3.8	5.1	6.2	7.2	8.1	9.0	9.9	11.2
75°	0.0	1.5	3.1	4.6	6.0	7.2	8.3	9.4	10.6	12.7	14.9
72.5°	0.0	1.8	3.5	5.3	6.8	8.1	9.4	11.0	13.5	16.0	18.5
70°	0.0	2.0	4.0	6.0	7.5	9.0	10.6	13.5	16.4	19.3	22.5
67.5°	0.0	2.3	4.5	6.5	8.2	9.9	12.7	16.0	19.3	23.0	26.6
65°	0.0	2.5	5.0	7.1	8.9	11.2	14.9	18.5	22.5	26.6	31.5
62.5°	0.0	2.7	5.4	7.6	9.6	12.9	16.9	21.2	25.7	30.8	38.4
60°	0.0	2.9	5.9	8.1	10.3	14.6	19.0	23.9	28.9	36.8	45.1
57.5°	0.0	3.2	6.2	8.6	11.6	16.3	21.2	26.6	33.7	42.7	61.9
55°	0.0	3.4	6.5	9.1	12.8	17.9	23.5	29.2	38.8	51.4	83.2
52.5°	0.0	3.6	6.9	9.5	14.1	19.5	25.6	33.4	43.8	70.1	103.9
50°	0.0	3.8	7.2	10.0	15.3	21.2	27.8	37.6	51.9	88.2	143.0
47.5°	0.0	4.0	7.4	10.5	16.5	22.9	30.0	41.7	67.5	105.7	183.0
45°	0.0	4.2	7.7	11.4	17.6	24.6	33.4	45.6	82.4	139.9	221.6
42.5°	0.0	4.3	8.0	12.2	18.7	26.1	36.6	54.5	96.8	173.2	269.9
40°	0.0	4.5	8.2	12.9	19.8	27.6	39.7	66.5	115.2	205.1	317.9
37.5°	0.0	4.7	8.5	13.7	20.9	29.0	42.6	77.9	142.1	238.4	363.8
35°	0.0	4.8	8.7	14.4	22.0	31.0	45.4	88.7	167.5	277.3	408.9
32.5°	0.0	5.0	8.9	15.0	23.0	33.2	49.8	98.8	191.5	314.0	454.0
30°	0.0	5.1	9.1	15.6	23.9	35.2	57.9	110.7	213.9	348.4	496.3
27.5°	0.0	5.2	9.3	16.2	24.8	37.1	65.4	128.8	237.5	380.3	535.6
25°	0.0	5.3	9.5	16.7	25.6	38.8	72.3	145.5	263.5	411.7	572.2
22.5°	0.0	5.5	9.6	17.2	26.3	40.4	78.6	160.7	287.2	441.3	612.2
20°	0.0	5.5	9.8	17.6	27.0	41.8	84.3	174.5	308.6	468.0	648.3
17.5°	0.0	5.6	9.9	18.0	27.6	43.0	89.4	186.7	327.6	491.7	680.4
15°	0.0	5.7	10.0	18.3	28.1	44.1	93.8	197.3	344.2	512.4	708.5
12.5°	0.0	5.8	10.1	18.6	28.5	45.1	97.5	206.3	358.3	530.0	732.3
10°	0.0	5.8	10.2	18.8	28.9	45.8	100.6	213.7	369.9	544.5	752.0
7.5°	0.0	5.8	10.2	19.0	29.1	46.4	103.0	219.5	378.9	555.8	767.3
5°	0.0	5.9	10.3	19.1	29.3	46.9	104.7	223.7	385.4	563.9	778.3
2.5°	0.0	5.9	10.3	19.2	29.5	47.1	105.8	226.2	389.3	568.8	784.9
0°	0.0	5.9	10.3	19.2	29.5	47.1	105.8	226.2	389.3	568.8	784.9
-2.5°	0.0	5.9	10.3	19.2	29.5	47.1	105.8	226.2	389.3	568.8	784.9
-5°	0.0	5.9	10.3	19.1	29.3	46.9	104.7	223.7	385.4	563.9	778.3
-7.5°	0.0	5.8	10.2	19.0	29.1	46.4	103.0	219.5	378.9	555.8	767.3
-10°	0.0	5.8	10.2	18.8	28.9	45.8	100.6	213.7	369.9	544.5	752.0
-12.5°	0.0	5.8	10.1	18.6	28.5	45.1	97.5	206.3	358.3	530.0	732.3
-15°	0.0	5.7	10.0	18.3	28.1	44.1	93.8	197.3	344.2	512.4	708.5
-17.5°	0.0	5.6	9.9	18.0	27.6	43.0	89.4	186.7	327.6	491.7	680.4
-20°	0.0	5.5	9.8	17.6	27.0	41.8	84.3	174.5	308.6	468.0	648.3



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 CATALOG NUMBER: EPH-08-640L-40-70-1S-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	9.6	17.2	26.3	40.4	78.6	160.7	287.2	441.3	612.2
-25°	0.0	5.3	9.5	16.7	25.6	38.8	72.3	145.5	263.5	411.7	572.2
-27.5°	0.0	5.2	9.3	16.2	24.8	37.1	65.4	128.8	237.5	380.3	535.6
-30°	0.0	5.1	9.1	15.6	23.9	35.2	57.9	110.7	213.9	348.4	496.3
-32.5°	0.0	5.0	8.9	15.0	23.0	33.2	49.8	98.8	191.5	314.0	454.0
-35°	0.0	4.8	8.7	14.4	22.0	31.0	45.4	88.7	167.5	277.3	408.9
-37.5°	0.0	4.7	8.5	13.7	20.9	29.0	42.6	77.9	142.1	238.4	363.8
-40°	0.0	4.5	8.2	12.9	19.8	27.6	39.7	66.5	115.2	205.1	317.9
-42.5°	0.0	4.3	8.0	12.2	18.7	26.1	36.6	54.5	96.8	173.2	269.9
-45°	0.0	4.2	7.7	11.4	17.6	24.6	33.4	45.6	82.4	139.9	221.6
-47.5°	0.0	4.0	7.4	10.5	16.5	22.9	30.0	41.7	67.5	105.7	183.0
-50°	0.0	3.8	7.2	10.0	15.3	21.2	27.8	37.6	51.9	88.2	143.0
-52.5°	0.0	3.6	6.9	9.5	14.1	19.5	25.6	33.4	43.8	70.1	103.9
-55°	0.0	3.4	6.5	9.1	12.8	17.9	23.5	29.2	38.8	51.4	83.2
-57.5°	0.0	3.2	6.2	8.6	11.6	16.3	21.2	26.6	33.7	42.7	61.9
-60°	0.0	2.9	5.9	8.1	10.3	14.6	19.0	23.9	28.9	36.8	45.1
-62.5°	0.0	2.7	5.4	7.6	9.6	12.9	16.9	21.2	25.7	30.8	38.4
-65°	0.0	2.5	5.0	7.1	8.9	11.2	14.9	18.5	22.5	26.6	31.5
-67.5°	0.0	2.3	4.5	6.5	8.2	9.9	12.7	16.0	19.3	23.0	26.6
-70°	0.0	2.0	4.0	6.0	7.5	9.0	10.6	13.5	16.4	19.3	22.5
-72.5°	0.0	1.8	3.5	5.3	6.8	8.1	9.4	11.0	13.5	16.0	18.5
-75°	0.0	1.5	3.1	4.6	6.0	7.2	8.3	9.4	10.6	12.7	14.9
-77.5°	0.0	1.3	2.6	3.8	5.1	6.2	7.2	8.1	9.0	9.9	11.2
-80°	0.0	1.0	2.0	3.1	4.1	5.1	6.0	6.8	7.5	8.2	8.9
-82.5°	0.0	0.8	1.5	2.3	3.1	3.8	4.6	5.3	6.0	6.5	7.1
-85°	0.0	0.5	1.0	1.5	2.0	2.6	3.1	3.5	4.0	4.5	5.0
-87.5°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.8	2.0	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°	2.7	2.9	3.2	3.4	3.6	3.8	4.0	4.2	4.3	4.5	4.7
85°	5.4	5.9	6.2	6.5	6.9	7.2	7.4	7.7	8.0	8.2	8.5
82.5°	7.6	8.1	8.6	9.1	9.5	10.0	10.5	11.4	12.2	12.9	13.7
80°	9.6	10.3	11.6	12.8	14.1	15.3	16.5	17.6	18.7	19.8	20.9
77.5°	12.9	14.6	16.3	17.9	19.5	21.2	22.9	24.6	26.1	27.6	29.0
75°	16.9	19.0	21.2	23.5	25.6	27.8	30.0	33.4	36.6	39.7	42.6
72.5°	21.2	23.9	26.6	29.2	33.4	37.6	41.7	45.6	54.5	66.5	77.9
70°	25.7	28.9	33.7	38.8	43.8	51.9	67.5	82.4	96.8	115.2	142.1
67.5°	30.8	36.8	42.7	51.4	70.1	88.2	105.7	139.9	173.2	205.1	238.4
65°	38.4	45.1	61.9	83.2	103.9	143.0	183.0	221.6	269.9	317.9	363.8
62.5°	45.9	67.2	91.1	123.4	170.2	215.7	271.3	328.9	384.3	442.0	497.7
60°	67.2	93.8	134.3	186.7	241.5	308.6	373.8	441.3	508.0	572.2	645.9
57.5°	91.1	134.3	192.2	256.4	331.2	405.3	483.0	558.1	643.0	726.9	807.8
55°	123.4	186.7	256.4	338.7	422.0	508.2	596.3	694.1	788.6	882.5	972.4
52.5°	170.2	241.5	331.2	422.0	516.6	616.8	725.1	831.6	936.6	1035.8	1125.7
50°	215.7	308.6	405.3	508.2	616.8	735.5	853.2	969.3	1076.6	1177.2	1266.8
47.5°	271.3	373.8	483.0	596.3	725.1	853.2	980.3	1097.2	1208.4	1303.5	1393.7
45°	328.9	441.3	558.1	694.1	831.6	969.3	1097.2	1218.9	1322.0	1407.2	1438.5
42.5°	384.3	508.0	643.0	788.6	936.6	1076.6	1208.4	1322.0	1410.3	1444.7	1484.6
40°	442.0	572.2	726.9	882.5	1035.8	1177.2	1303.5	1407.2	1444.7	1488.9	1536.5
37.5°	497.7	645.9	807.8	972.4	1125.7	1266.8	1393.7	1438.5	1484.6	1536.5	1679.1
35°	550.6	715.9	886.8	1054.7	1211.6	1347.4	1426.2	1471.8	1527.7	1666.0	2101.8
32.5°	606.7	782.0	961.5	1130.0	1283.6	1407.9	1453.0	1510.5	1627.1	1924.4	3011.0
30°	663.2	846.1	1030.3	1200.9	1350.6	1431.5	1484.9	1563.1	1741.8	2739.6	3794.0
27.5°	715.9	906.1	1091.1	1261.1	1404.5	1453.6	1517.0	1664.0	2293.7	3481.8	4491.3
25°	764.5	961.5	1147.5	1314.7	1423.5	1479.3	1562.6	1758.2	2967.6	4094.0	4742.2
22.5°	809.7	1012.1	1199.1	1363.9	1440.9	1504.8	1643.2	2261.3	3550.2	4641.0	4869.6
20°	851.2	1054.7	1242.4	1402.9	1456.7	1527.9	1716.5	2789.5	4033.1	4749.7	4956.0
17.5°	888.2	1092.6	1278.8	1415.9	1474.9	1567.6	1842.8	3263.9	4467.6	4847.7	5019.8
15°	920.5	1125.7	1310.6	1427.2	1491.6	1620.8	2227.9	3626.6	4680.4	4924.6	5075.2
12.5°	948.0	1154.0	1337.8	1436.9	1505.8	1666.3	2557.8	3930.2	4749.3	4969.5	5090.4
10°	970.6	1177.2	1360.1	1444.9	1517.6	1703.9	2830.6	4181.6	4806.3	5006.9	5103.1
7.5°	988.3	1195.4	1377.6	1451.1	1526.9	1733.4	3044.6	4379.0	4851.2	5036.4	5113.1
5°	1000.9	1208.4	1390.1	1455.6	1533.5	1754.6	3198.5	4521.1	4883.6	5057.6	5120.4
2.5°	1008.6	1216.3	1397.7	1458.3	1537.5	1767.3	3291.2	4606.8	4903.1	5070.4	5124.7
0°	1011.1	1218.9	1400.2	1459.2	1538.8	1771.6	3322.2	4635.4	4909.6	5074.7	5126.2
-2.5°	1008.6	1216.3	1397.7	1458.3	1537.5	1767.3	3291.2	4606.8	4903.1	5070.4	5124.7
-5°	1000.9	1208.4	1390.1	1455.6	1533.5	1754.6	3198.5	4521.1	4883.6	5057.6	5120.4
-7.5°	988.3	1195.4	1377.6	1451.1	1526.9	1733.4	3044.6	4379.0	4851.2	5036.4	5113.1
-10°	970.6	1177.2	1360.1	1444.9	1517.6	1703.9	2830.6	4181.6	4806.3	5006.9	5103.1
-12.5°	948.0	1154.0	1337.8	1436.9	1505.8	1666.3	2557.8	3930.2	4749.3	4969.5	5090.4
-15°	920.5	1125.7	1310.6	1427.2	1491.6	1620.8	2227.9	3626.6	4680.4	4924.6	5075.2
-17.5°	888.2	1092.6	1278.8	1415.9	1474.9	1567.6	1842.8	3263.9	4467.6	4847.7	5019.8
-20°	851.2	1054.7	1242.4	1402.9	1456.7	1527.9	1716.5	2789.5	4033.1	4749.7	4956.0



REPORT NUMBER: P1305377 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-70-1S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	809.7	1012.1	1199.1	1363.9	1440.9	1504.8	1643.2	2261.3	3550.2	4641.0	4869.6
-25°	764.5	961.5	1147.5	1314.7	1423.5	1479.3	1562.6	1758.2	2967.6	4094.0	4742.2
-27.5°	715.9	906.1	1091.1	1261.1	1404.5	1453.6	1517.0	1664.0	2293.7	3481.8	4491.3
-30°	663.2	846.1	1030.3	1200.9	1350.6	1431.5	1484.9	1563.1	1741.8	2739.6	3794.0
-32.5°	606.7	782.0	961.5	1130.0	1283.6	1407.9	1453.0	1510.5	1627.1	1924.4	3011.0
-35°	550.6	715.9	886.8	1054.7	1211.6	1347.4	1426.2	1471.8	1527.7	1666.0	2101.8
-37.5°	497.7	645.9	807.8	972.4	1125.7	1266.8	1393.7	1438.5	1484.6	1536.5	1679.1
-40°	442.0	572.2	726.9	882.5	1035.8	1177.2	1303.5	1407.2	1444.7	1488.9	1536.5
-42.5°	384.3	508.0	643.0	788.6	936.6	1076.6	1208.4	1322.0	1410.3	1444.7	1484.6
-45°	328.9	441.3	558.1	694.1	831.6	969.3	1097.2	1218.9	1322.0	1407.2	1438.5
-47.5°	271.3	373.8	483.0	596.3	725.1	853.2	980.3	1097.2	1208.4	1303.5	1393.7
-50°	215.7	308.6	405.3	508.2	616.8	735.5	853.2	969.3	1076.6	1177.2	1266.8
-52.5°	170.2	241.5	331.2	422.0	516.6	616.8	725.1	831.6	936.6	1035.8	1125.7
-55°	123.4	186.7	256.4	338.7	422.0	508.2	596.3	694.1	788.6	882.5	972.4
-57.5°	91.1	134.3	192.2	256.4	331.2	405.3	483.0	558.1	643.0	726.9	807.8
-60°	67.2	93.8	134.3	186.7	241.5	308.6	373.8	441.3	508.0	572.2	645.9
-62.5°	45.9	67.2	91.1	123.4	170.2	215.7	271.3	328.9	384.3	442.0	497.7
-65°	38.4	45.1	61.9	83.2	103.9	143.0	183.0	221.6	269.9	317.9	363.8
-67.5°	30.8	36.8	42.7	51.4	70.1	88.2	105.7	139.9	173.2	205.1	238.4
-70°	25.7	28.9	33.7	38.8	43.8	51.9	67.5	82.4	96.8	115.2	142.1
-72.5°	21.2	23.9	26.6	29.2	33.4	37.6	41.7	45.6	54.5	66.5	77.9
-75°	16.9	19.0	21.2	23.5	25.6	27.8	30.0	33.4	36.6	39.7	42.6
-77.5°	12.9	14.6	16.3	17.9	19.5	21.2	22.9	24.6	26.1	27.6	29.0
-80°	9.6	10.3	11.6	12.8	14.1	15.3	16.5	17.6	18.7	19.8	20.9
-82.5°	7.6	8.1	8.6	9.1	9.5	10.0	10.5	11.4	12.2	12.9	13.7
-85°	5.4	5.9	6.2	6.5	6.9	7.2	7.4	7.7	8.0	8.2	8.5
-87.5°	2.7	2.9	3.2	3.4	3.6	3.8	4.0	4.2	4.3	4.5	4.7
-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):**

	-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°	4.8	5.0	5.1	5.2	5.3	5.5	5.5	5.6	5.7	5.8	5.8
85°	8.7	8.9	9.1	9.3	9.5	9.6	9.8	9.9	10.0	10.1	10.2
82.5°	14.4	15.0	15.6	16.2	16.7	17.2	17.6	18.0	18.3	18.6	18.8
80°	22.0	23.0	23.9	24.8	25.6	26.3	27.0	27.6	28.1	28.5	28.9
77.5°	31.0	33.2	35.2	37.1	38.8	40.4	41.8	43.0	44.1	45.1	45.8
75°	45.4	49.8	57.9	65.4	72.3	78.6	84.3	89.4	93.8	97.5	100.6
72.5°	88.7	98.8	110.7	128.8	145.5	160.7	174.5	186.7	197.3	206.3	213.7
70°	167.5	191.5	213.9	237.5	263.5	287.2	308.6	327.6	344.2	358.3	369.9
67.5°	277.3	314.0	348.4	380.3	411.7	441.3	468.0	491.7	512.4	530.0	544.5
65°	408.9	454.0	496.3	535.6	572.2	612.2	648.3	680.4	708.5	732.3	752.0
62.5°	550.6	606.7	663.2	715.9	764.5	809.7	851.2	888.2	920.5	948.0	970.6
60°	715.9	782.0	846.1	906.1	961.5	1012.1	1054.7	1092.6	1125.7	1154.0	1177.2
57.5°	886.8	961.5	1030.3	1091.1	1147.5	1199.1	1242.4	1278.8	1310.6	1337.8	1360.1
55°	1054.7	1130.0	1200.9	1261.1	1314.7	1363.9	1402.9	1415.9	1427.2	1436.9	1444.9
52.5°	1211.6	1283.6	1350.6	1404.5	1423.5	1440.9	1456.7	1474.9	1491.6	1505.8	1517.6
50°	1347.4	1407.9	1431.5	1453.6	1479.3	1504.8	1527.9	1567.6	1620.8	1666.3	1703.9
47.5°	1426.2	1453.0	1484.9	1517.0	1562.6	1643.2	1716.5	1842.8	2227.9	2557.8	2830.6
45°	1471.8	1510.5	1563.1	1664.0	1758.2	2261.3	2789.5	3263.9	3626.6	3930.2	4181.6
42.5°	1527.7	1627.1	1741.8	2293.7	2967.6	3550.2	4033.1	4467.6	4680.4	4749.3	4806.3
40°	1666.0	1924.4	2739.6	3481.8	4094.0	4641.0	4749.7	4847.7	4924.6	4969.5	5006.9
37.5°	2101.8	3011.0	3794.0	4491.3	4742.2	4869.6	4956.0	5019.8	5075.2	5090.4	5103.1
35°	3102.1	3951.8	4655.9	4811.1	4938.4	5020.7	5081.5	5103.0	5122.1	5067.4	5002.1
32.5°	3951.8	4672.9	4846.0	4970.7	5064.9	5099.1	5124.6	5024.2	4926.5	4803.0	4665.9
30°	4655.9	4846.0	4981.6	5078.6	5109.9	5063.9	4934.7	4754.7	4550.4	4403.6	4365.4
27.5°	4811.1	4970.7	5078.6	5113.6	5028.5	4876.6	4608.9	4401.2	4344.7	4295.2	4396.8
25°	4938.4	5064.9	5109.9	5028.5	4840.9	4534.6	4371.7	4304.1	4422.9	4555.3	4802.8
22.5°	5020.7	5099.1	5063.9	4876.6	4534.6	4361.8	4323.7	4502.5	4797.3	5184.3	6528.4
20°	5081.5	5124.6	4934.7	4608.9	4371.7	4323.7	4529.5	4948.8	5811.8	9096.1	12982.5
17.5°	5103.0	5024.2	4754.7	4401.2	4304.1	4502.5	4948.8	6439.5	10427.4	19072.5	28192.8
15°	5122.1	4926.5	4550.4	4344.7	4422.9	4797.3	5811.8	10427.4	21161.4	34515.1	49509.3
12.5°	5067.4	4803.0	4403.6	4295.2	4555.3	5184.3	9096.1	19072.5	34515.1	53151.1	84717.4
10°	5002.1	4665.9	4365.4	4396.8	4802.8	6528.4	12982.5	28192.8	49509.3	84717.4	127574.3
7.5°	4950.5	4557.1	4335.0	4478.6	5044.0	8598.7	19666.2	39006.8	69421.3	115782.8	179133.9
5°	4913.2	4478.2	4312.9	4538.3	5220.7	10125.0	24631.8	47316.4	87972.1	147139.7	231640.8
2.5°	4890.6	4430.3	4299.5	4574.6	5328.7	11061.4	27695.9	52486.1	99652.2	169747.8	270922.8
0°	4883.0	4414.3	4295.0	4586.8	5365.0	11377.1	28732.3	54242.6	103647.9	178326.2	284954.3
-2.5°	4890.6	4430.3	4299.5	4574.6	5328.7	11061.4	27695.9	52486.1	99652.2	169747.8	270922.8
-5°	4913.2	4478.2	4312.9	4538.3	5220.7	10125.0	24631.8	47316.4	87972.1	147139.7	231640.8
-7.5°	4950.5	4557.1	4335.0	4478.6	5044.0	8598.7	19666.2	39006.8	69421.3	115782.8	179133.9
-10°	5002.1	4665.9	4365.4	4396.8	4802.8	6528.4	12982.5	28192.8	49509.3	84717.4	127574.3
-12.5°	5067.4	4803.0	4403.6	4295.2	4555.3	5184.3	9096.1	19072.5	34515.1	53151.1	84717.4
-15°	5122.1	4926.5	4550.4	4344.7	4422.9	4797.3	5811.8	10427.4	21161.4	34515.1	49509.3
-17.5°	5103.0	5024.2	4754.7	4401.2	4304.1	4502.5	4948.8	6439.5	10427.4	19072.5	28192.8
-20°	5081.5	5124.6	4934.7	4608.9	4371.7	4323.7	4529.5	4948.8	5811.8	9096.1	12982.5



REPORT NUMBER: P1305377 (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°	5020.7	5099.1	5063.9	4876.6	4534.6	4361.8	4323.7	4502.5	4797.3	5184.3	6528.4
-25°	4938.4	5064.9	5109.9	5028.5	4840.9	4534.6	4371.7	4304.1	4422.9	4555.3	4802.8
-27.5°	4811.1	4970.7	5078.6	5113.6	5028.5	4876.6	4608.9	4401.2	4344.7	4295.2	4396.8
-30°	4655.9	4846.0	4981.6	5078.6	5109.9	5063.9	4934.7	4754.7	4550.4	4403.6	4365.4
-32.5°	3951.8	4672.9	4846.0	4970.7	5064.9	5099.1	5124.6	5024.2	4926.5	4803.0	4665.9
-35°	3102.1	3951.8	4655.9	4811.1	4938.4	5020.7	5081.5	5103.0	5122.1	5067.4	5002.1
-37.5°	2101.8	3011.0	3794.0	4491.3	4742.2	4869.6	4956.0	5019.8	5075.2	5090.4	5103.1
-40°	1666.0	1924.4	2739.6	3481.8	4094.0	4641.0	4749.7	4847.7	4924.6	4969.5	5006.9
-42.5°	1527.7	1627.1	1741.8	2293.7	2967.6	3550.2	4033.1	4467.6	4680.4	4749.3	4806.3
-45°	1471.8	1510.5	1563.1	1664.0	1758.2	2261.3	2789.5	3263.9	3626.6	3930.2	4181.6
-47.5°	1426.2	1453.0	1484.9	1517.0	1562.6	1643.2	1716.5	1842.8	2227.9	2557.8	2830.6
-50°	1347.4	1407.9	1431.5	1453.6	1479.3	1504.8	1527.9	1567.6	1620.8	1666.3	1703.9
-52.5°	1211.6	1283.6	1350.6	1404.5	1423.5	1440.9	1456.7	1474.9	1491.6	1505.8	1517.6
-55°	1054.7	1130.0	1200.9	1261.1	1314.7	1363.9	1402.9	1415.9	1427.2	1436.9	1444.9
-57.5°	886.8	961.5	1030.3	1091.1	1147.5	1199.1	1242.4	1278.8	1310.6	1337.8	1360.1
-60°	715.9	782.0	846.1	906.1	961.5	1012.1	1054.7	1092.6	1125.7	1154.0	1177.2
-62.5°	550.6	606.7	663.2	715.9	764.5	809.7	851.2	888.2	920.5	948.0	970.6
-65°	408.9	454.0	496.3	535.6	572.2	612.2	648.3	680.4	708.5	732.3	752.0
-67.5°	277.3	314.0	348.4	380.3	411.7	441.3	468.0	491.7	512.4	530.0	544.5
-70°	167.5	191.5	213.9	237.5	263.5	287.2	308.6	327.6	344.2	358.3	369.9
-72.5°	88.7	98.8	110.7	128.8	145.5	160.7	174.5	186.7	197.3	206.3	213.7
-75°	45.4	49.8	57.9	65.4	72.3	78.6	84.3	89.4	93.8	97.5	100.6
-77.5°	31.0	33.2	35.2	37.1	38.8	40.4	41.8	43.0	44.1	45.1	45.8
-80°	22.0	23.0	23.9	24.8	25.6	26.3	27.0	27.6	28.1	28.5	28.9
-82.5°	14.4	15.0	15.6	16.2	16.7	17.2	17.6	18.0	18.3	18.6	18.8
-85°	8.7	8.9	9.1	9.3	9.5	9.6	9.8	9.9	10.0	10.1	10.2
-87.5°	4.8	5.0	5.1	5.2	5.3	5.5	5.5	5.6	5.7	5.8	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



REPORT NUMBER: P1305377 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-70-1S-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°	5.8	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.7	5.6
85°	10.2	10.3	10.3	10.3	10.3	10.3	10.2	10.2	10.1	10.0	9.9
82.5°	19.0	19.1	19.2	19.2	19.2	19.1	19.0	18.8	18.6	18.3	18.0
80°	29.1	29.3	29.5	29.5	29.5	29.3	29.1	28.9	28.5	28.1	27.6
77.5°	46.4	46.9	47.1	47.2	47.1	46.9	46.4	45.8	45.1	44.1	43.0
75°	103.0	104.7	105.8	106.1	105.8	104.7	103.0	100.6	97.5	93.8	89.4
72.5°	219.5	223.7	226.2	227.0	226.2	223.7	219.5	213.7	206.3	197.3	186.7
70°	378.9	385.4	389.3	390.6	389.3	385.4	378.9	369.9	358.3	344.2	327.6
67.5°	555.8	563.9	568.8	570.4	568.8	563.9	555.8	544.5	530.0	512.4	491.7
65°	767.3	778.3	784.9	787.1	784.9	778.3	767.3	752.0	732.3	708.5	680.4
62.5°	988.3	1000.9	1008.6	1011.1	1008.6	1000.9	988.3	970.6	948.0	920.5	888.2
60°	1195.4	1208.4	1216.3	1218.9	1216.3	1208.4	1195.4	1177.2	1154.0	1125.7	1092.6
57.5°	1377.6	1390.1	1397.7	1400.2	1397.7	1390.1	1377.6	1360.1	1337.8	1310.6	1278.8
55°	1451.1	1455.6	1458.3	1459.2	1458.3	1455.6	1451.1	1444.9	1436.9	1427.2	1415.9
52.5°	1526.9	1533.5	1537.5	1538.8	1537.5	1533.5	1526.9	1517.6	1505.8	1491.6	1474.9
50°	1733.4	1754.6	1767.3	1771.6	1767.3	1754.6	1733.4	1703.9	1666.3	1620.8	1567.6
47.5°	3044.6	3198.5	3291.2	3322.2	3291.2	3198.5	3044.6	2830.6	2557.8	2227.9	1842.8
45°	4379.0	4521.1	4606.8	4635.4	4606.8	4521.1	4379.0	4181.6	3930.2	3626.6	3263.9
42.5°	4851.2	4883.6	4903.1	4909.6	4903.1	4883.6	4851.2	4806.3	4749.3	4680.4	4467.6
40°	5036.4	5057.6	5070.4	5074.7	5070.4	5057.6	5036.4	5006.9	4969.5	4924.6	4847.7
37.5°	5113.1	5120.4	5124.7	5126.2	5124.7	5120.4	5113.1	5103.1	5090.4	5075.2	5019.8
35°	4950.5	4913.2	4890.6	4883.0	4890.6	4913.2	4950.5	5002.1	5067.4	5122.1	5103.0
32.5°	4557.1	4478.2	4430.3	4414.3	4430.3	4478.2	4557.1	4665.9	4803.0	4926.5	5024.2
30°	4335.0	4312.9	4299.5	4295.0	4299.5	4312.9	4335.0	4365.4	4403.6	4550.4	4754.7
27.5°	4478.6	4538.3	4574.6	4586.8	4574.6	4538.3	4478.6	4396.8	4295.2	4344.7	4401.2
25°	5044.0	5220.7	5328.7	5365.0	5328.7	5220.7	5044.0	4802.8	4555.3	4422.9	4304.1
22.5°	8598.7	10125.0	11061.4	11377.1	11061.4	10125.0	8598.7	6528.4	5184.3	4797.3	4502.5
20°	19666.2	24631.8	27695.9	28732.3	27695.9	24631.8	19666.2	12982.5	9096.1	5811.8	4948.8
17.5°	39006.8	47316.4	52486.1	54242.6	52486.1	47316.4	39006.8	28192.8	19072.5	10427.4	6439.5
15°	69421.3	87972.1	99652.2	103647.9	99652.2	87972.1	69421.3	49509.3	34515.1	21161.4	10427.4
12.5°	115782.8	147139.7	169747.8	178326.2	169747.8	147139.7	115782.8	84717.4	53151.1	34515.1	19072.5
10°	179133.9	231640.8	270922.8	284954.3	270922.8	231640.8	179133.9	127574.3	84717.4	49509.3	28192.8
7.5°	257717.7	328288.9	377876.3	394759.4	377876.3	328288.9	257717.7	179133.9	115782.8	69421.3	39006.8
5°	328288.9	412897.7	469489.1	490423.9	469489.1	412897.7	328288.9	231640.8	147139.7	87972.1	47316.4
2.5°	377876.3	469489.1	536639.4	568479.7	536639.4	469489.1	377876.3	270922.8	169747.8	99652.2	52486.1
0°	394759.4	490423.9	568479.7	615492.0	568479.7	490423.9	394759.4	284954.3	178326.2	103647.9	54242.6
-2.5°	377876.3	469489.1	536639.4	568479.7	536639.4	469489.1	377876.3	270922.8	169747.8	99652.2	52486.1
-5°	328288.9	412897.7	469489.1	490423.9	469489.1	412897.7	328288.9	231640.8	147139.7	87972.1	47316.4
-7.5°	257717.7	328288.9	377876.3	394759.4	377876.3	328288.9	257717.7	179133.9	115782.8	69421.3	39006.8
-10°	179133.9	231640.8	270922.8	284954.3	270922.8	231640.8	179133.9	127574.3	84717.4	49509.3	28192.8
-12.5°	115782.8	147139.7	169747.8	178326.2	169747.8	147139.7	115782.8	84717.4	53151.1	34515.1	19072.5
-15°	69421.3	87972.1	99652.2	103647.9	99652.2	87972.1	69421.3	49509.3	34515.1	21161.4	10427.4
-17.5°	39006.8	47316.4	52486.1	54242.6	52486.1	47316.4	39006.8	28192.8	19072.5	10427.4	6439.5
-20°	19666.2	24631.8	27695.9	28732.3	27695.9	24631.8	19666.2	12982.5	9096.1	5811.8	4948.8



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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°	8598.7	10125.0	11061.4	11377.1	11061.4	10125.0	8598.7	6528.4	5184.3	4797.3	4502.5
-25°	5044.0	5220.7	5328.7	5365.0	5328.7	5220.7	5044.0	4802.8	4555.3	4422.9	4304.1
-27.5°	4478.6	4538.3	4574.6	4586.8	4574.6	4538.3	4478.6	4396.8	4295.2	4344.7	4401.2
-30°	4335.0	4312.9	4299.5	4295.0	4299.5	4312.9	4335.0	4365.4	4403.6	4550.4	4754.7
-32.5°	4557.1	4478.2	4430.3	4414.3	4430.3	4478.2	4557.1	4665.9	4803.0	4926.5	5024.2
-35°	4950.5	4913.2	4890.6	4883.0	4890.6	4913.2	4950.5	5002.1	5067.4	5122.1	5103.0
-37.5°	5113.1	5120.4	5124.7	5126.2	5124.7	5120.4	5113.1	5103.1	5090.4	5075.2	5019.8
-40°	5036.4	5057.6	5070.4	5074.7	5070.4	5057.6	5036.4	5006.9	4969.5	4924.6	4847.7
-42.5°	4851.2	4883.6	4903.1	4909.6	4903.1	4883.6	4851.2	4806.3	4749.3	4680.4	4467.6
-45°	4379.0	4521.1	4606.8	4635.4	4606.8	4521.1	4379.0	4181.6	3930.2	3626.6	3263.9
-47.5°	3044.6	3198.5	3291.2	3322.2	3291.2	3198.5	3044.6	2830.6	2557.8	2227.9	1842.8
-50°	1733.4	1754.6	1767.3	1771.6	1767.3	1754.6	1733.4	1703.9	1666.3	1620.8	1567.6
-52.5°	1526.9	1533.5	1537.5	1538.8	1537.5	1533.5	1526.9	1517.6	1505.8	1491.6	1474.9
-55°	1451.1	1455.6	1458.3	1459.2	1458.3	1455.6	1451.1	1444.9	1436.9	1427.2	1415.9
-57.5°	1377.6	1390.1	1397.7	1400.2	1397.7	1390.1	1377.6	1360.1	1337.8	1310.6	1278.8
-60°	1195.4	1208.4	1216.3	1218.9	1216.3	1208.4	1195.4	1177.2	1154.0	1125.7	1092.6
-62.5°	988.3	1000.9	1008.6	1011.1	1008.6	1000.9	988.3	970.6	948.0	920.5	888.2
-65°	767.3	778.3	784.9	787.1	784.9	778.3	767.3	752.0	732.3	708.5	680.4
-67.5°	555.8	563.9	568.8	570.4	568.8	563.9	555.8	544.5	530.0	512.4	491.7
-70°	378.9	385.4	389.3	390.6	389.3	385.4	378.9	369.9	358.3	344.2	327.6
-72.5°	219.5	223.7	226.2	227.0	226.2	223.7	219.5	213.7	206.3	197.3	186.7
-75°	103.0	104.7	105.8	106.1	105.8	104.7	103.0	100.6	97.5	93.8	89.4
-77.5°	46.4	46.9	47.1	47.2	47.1	46.9	46.4	45.8	45.1	44.1	43.0
-80°	29.1	29.3	29.5	29.5	29.5	29.3	29.1	28.9	28.5	28.1	27.6
-82.5°	19.0	19.1	19.2	19.2	19.2	19.1	19.0	18.8	18.6	18.3	18.0
-85°	10.2	10.3	10.3	10.3	10.3	10.3	10.2	10.2	10.1	10.0	9.9
-87.5°	5.8	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.7	5.6
-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):**

	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°	5.5	5.5	5.3	5.2	5.1	5.0	4.8	4.7	4.5	4.3	4.2
85°	9.8	9.6	9.5	9.3	9.1	8.9	8.7	8.5	8.2	8.0	7.7
82.5°	17.6	17.2	16.7	16.2	15.6	15.0	14.4	13.7	12.9	12.2	11.4
80°	27.0	26.3	25.6	24.8	23.9	23.0	22.0	20.9	19.8	18.7	17.6
77.5°	41.8	40.4	38.8	37.1	35.2	33.2	31.0	29.0	27.6	26.1	24.6
75°	84.3	78.6	72.3	65.4	57.9	49.8	45.4	42.6	39.7	36.6	33.4
72.5°	174.5	160.7	145.5	128.8	110.7	98.8	88.7	77.9	66.5	54.5	45.6
70°	308.6	287.2	263.5	237.5	213.9	191.5	167.5	142.1	115.2	96.8	82.4
67.5°	468.0	441.3	411.7	380.3	348.4	314.0	277.3	238.4	205.1	173.2	139.9
65°	648.3	612.2	572.2	535.6	496.3	454.0	408.9	363.8	317.9	269.9	221.6
62.5°	851.2	809.7	764.5	715.9	663.2	606.7	550.6	497.7	442.0	384.3	328.9
60°	1054.7	1012.1	961.5	906.1	846.1	782.0	715.9	645.9	572.2	508.0	441.3
57.5°	1242.4	1199.1	1147.5	1091.1	1030.3	961.5	886.8	807.8	726.9	643.0	558.1
55°	1402.9	1363.9	1314.7	1261.1	1200.9	1130.0	1054.7	972.4	882.5	788.6	694.1
52.5°	1456.7	1440.9	1423.5	1404.5	1350.6	1283.6	1211.6	1125.7	1035.8	936.6	831.6
50°	1527.9	1504.8	1479.3	1453.6	1431.5	1407.9	1347.4	1266.8	1177.2	1076.6	969.3
47.5°	1716.5	1643.2	1562.6	1517.0	1484.9	1453.0	1426.2	1393.7	1303.5	1208.4	1097.2
45°	2789.5	2261.3	1758.2	1664.0	1563.1	1510.5	1471.8	1438.5	1407.2	1322.0	1218.9
42.5°	4033.1	3550.2	2967.6	2293.7	1741.8	1627.1	1527.7	1484.6	1444.7	1410.3	1322.0
40°	4749.7	4641.0	4094.0	3481.8	2739.6	1924.4	1666.0	1536.5	1488.9	1444.7	1407.2
37.5°	4956.0	4869.6	4742.2	4491.3	3794.0	3011.0	2101.8	1679.1	1536.5	1484.6	1438.5
35°	5081.5	5020.7	4938.4	4811.1	4655.9	3951.8	3102.1	2101.8	1666.0	1527.7	1471.8
32.5°	5124.6	5099.1	5064.9	4970.7	4846.0	4672.9	3951.8	3011.0	1924.4	1627.1	1510.5
30°	4934.7	5063.9	5109.9	5078.6	4981.6	4846.0	4655.9	3794.0	2739.6	1741.8	1563.1
27.5°	4608.9	4876.6	5028.5	5113.6	5078.6	4970.7	4811.1	4491.3	3481.8	2293.7	1664.0
25°	4371.7	4534.6	4840.9	5028.5	5109.9	5064.9	4938.4	4742.2	4094.0	2967.6	1758.2
22.5°	4323.7	4361.8	4534.6	4876.6	5063.9	5099.1	5020.7	4869.6	4641.0	3550.2	2261.3
20°	4529.5	4323.7	4371.7	4608.9	4934.7	5124.6	5081.5	4956.0	4749.7	4033.1	2789.5
17.5°	4948.8	4502.5	4304.1	4401.2	4754.7	5024.2	5103.0	5019.8	4847.7	4467.6	3263.9
15°	5811.8	4797.3	4422.9	4344.7	4550.4	4926.5	5122.1	5075.2	4924.6	4680.4	3626.6
12.5°	9096.1	5184.3	4555.3	4295.2	4403.6	4803.0	5067.4	5090.4	4969.5	4749.3	3930.2
10°	12982.5	6528.4	4802.8	4396.8	4365.4	4665.9	5002.1	5103.1	5006.9	4806.3	4181.6
7.5°	19666.2	8598.7	5044.0	4478.6	4335.0	4557.1	4950.5	5113.1	5036.4	4851.2	4379.0
5°	24631.8	10125.0	5220.7	4538.3	4312.9	4478.2	4913.2	5120.4	5057.6	4883.6	4521.1
2.5°	27695.9	11061.4	5328.7	4574.6	4299.5	4430.3	4890.6	5124.7	5070.4	4903.1	4606.8
0°	28732.3	11377.1	5365.0	4586.8	4295.0	4414.3	4883.0	5126.2	5074.7	4909.6	4635.4
-2.5°	27695.9	11061.4	5328.7	4574.6	4299.5	4430.3	4890.6	5124.7	5070.4	4903.1	4606.8
-5°	24631.8	10125.0	5220.7	4538.3	4312.9	4478.2	4913.2	5120.4	5057.6	4883.6	4521.1
-7.5°	19666.2	8598.7	5044.0	4478.6	4335.0	4557.1	4950.5	5113.1	5036.4	4851.2	4379.0
-10°	12982.5	6528.4	4802.8	4396.8	4365.4	4665.9	5002.1	5103.1	5006.9	4806.3	4181.6
-12.5°	9096.1	5184.3	4555.3	4295.2	4403.6	4803.0	5067.4	5090.4	4969.5	4749.3	3930.2
-15°	5811.8	4797.3	4422.9	4344.7	4550.4	4926.5	5122.1	5075.2	4924.6	4680.4	3626.6
-17.5°	4948.8	4502.5	4304.1	4401.2	4754.7	5024.2	5103.0	5019.8	4847.7	4467.6	3263.9
-20°	4529.5	4323.7	4371.7	4608.9	4934.7	5124.6	5081.5	4956.0	4749.7	4033.1	2789.5



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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°	4323.7	4361.8	4534.6	4876.6	5063.9	5099.1	5020.7	4869.6	4641.0	3550.2	2261.3
-25°	4371.7	4534.6	4840.9	5028.5	5109.9	5064.9	4938.4	4742.2	4094.0	2967.6	1758.2
-27.5°	4608.9	4876.6	5028.5	5113.6	5078.6	4970.7	4811.1	4491.3	3481.8	2293.7	1664.0
-30°	4934.7	5063.9	5109.9	5078.6	4981.6	4846.0	4655.9	3794.0	2739.6	1741.8	1563.1
-32.5°	5124.6	5099.1	5064.9	4970.7	4846.0	4672.9	3951.8	3011.0	1924.4	1627.1	1510.5
-35°	5081.5	5020.7	4938.4	4811.1	4655.9	3951.8	3102.1	2101.8	1666.0	1527.7	1471.8
-37.5°	4956.0	4869.6	4742.2	4491.3	3794.0	3011.0	2101.8	1679.1	1536.5	1484.6	1438.5
-40°	4749.7	4641.0	4094.0	3481.8	2739.6	1924.4	1666.0	1536.5	1488.9	1444.7	1407.2
-42.5°	4033.1	3550.2	2967.6	2293.7	1741.8	1627.1	1527.7	1484.6	1444.7	1410.3	1322.0
-45°	2789.5	2261.3	1758.2	1664.0	1563.1	1510.5	1471.8	1438.5	1407.2	1322.0	1218.9
-47.5°	1716.5	1643.2	1562.6	1517.0	1484.9	1453.0	1426.2	1393.7	1303.5	1208.4	1097.2
-50°	1527.9	1504.8	1479.3	1453.6	1431.5	1407.9	1347.4	1266.8	1177.2	1076.6	969.3
-52.5°	1456.7	1440.9	1423.5	1404.5	1350.6	1283.6	1211.6	1125.7	1035.8	936.6	831.6
-55°	1402.9	1363.9	1314.7	1261.1	1200.9	1130.0	1054.7	972.4	882.5	788.6	694.1
-57.5°	1242.4	1199.1	1147.5	1091.1	1030.3	961.5	886.8	807.8	726.9	643.0	558.1
-60°	1054.7	1012.1	961.5	906.1	846.1	782.0	715.9	645.9	572.2	508.0	441.3
-62.5°	851.2	809.7	764.5	715.9	663.2	606.7	550.6	497.7	442.0	384.3	328.9
-65°	648.3	612.2	572.2	535.6	496.3	454.0	408.9	363.8	317.9	269.9	221.6
-67.5°	468.0	441.3	411.7	380.3	348.4	314.0	277.3	238.4	205.1	173.2	139.9
-70°	308.6	287.2	263.5	237.5	213.9	191.5	167.5	142.1	115.2	96.8	82.4
-72.5°	174.5	160.7	145.5	128.8	110.7	98.8	88.7	77.9	66.5	54.5	45.6
-75°	84.3	78.6	72.3	65.4	57.9	49.8	45.4	42.6	39.7	36.6	33.4
-77.5°	41.8	40.4	38.8	37.1	35.2	33.2	31.0	29.0	27.6	26.1	24.6
-80°	27.0	26.3	25.6	24.8	23.9	23.0	22.0	20.9	19.8	18.7	17.6
-82.5°	17.6	17.2	16.7	16.2	15.6	15.0	14.4	13.7	12.9	12.2	11.4
-85°	9.8	9.6	9.5	9.3	9.1	8.9	8.7	8.5	8.2	8.0	7.7
-87.5°	5.5	5.5	5.3	5.2	5.1	5.0	4.8	4.7	4.5	4.3	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



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 CATALOG NUMBER: EPH-08-640L-40-70-1S-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°	4.0	3.8	3.6	3.4	3.2	2.9	2.7	2.5	2.3	2.0	1.8
85°	7.4	7.2	6.9	6.5	6.2	5.9	5.4	5.0	4.5	4.0	3.5
82.5°	10.5	10.0	9.5	9.1	8.6	8.1	7.6	7.1	6.5	6.0	5.3
80°	16.5	15.3	14.1	12.8	11.6	10.3	9.6	8.9	8.2	7.5	6.8
77.5°	22.9	21.2	19.5	17.9	16.3	14.6	12.9	11.2	9.9	9.0	8.1
75°	30.0	27.8	25.6	23.5	21.2	19.0	16.9	14.9	12.7	10.6	9.4
72.5°	41.7	37.6	33.4	29.2	26.6	23.9	21.2	18.5	16.0	13.5	11.0
70°	67.5	51.9	43.8	38.8	33.7	28.9	25.7	22.5	19.3	16.4	13.5
67.5°	105.7	88.2	70.1	51.4	42.7	36.8	30.8	26.6	23.0	19.3	16.0
65°	183.0	143.0	103.9	83.2	61.9	45.1	38.4	31.5	26.6	22.5	18.5
62.5°	271.3	215.7	170.2	123.4	91.1	67.2	45.9	38.4	30.8	25.7	21.2
60°	373.8	308.6	241.5	186.7	134.3	93.8	67.2	45.1	36.8	28.9	23.9
57.5°	483.0	405.3	331.2	256.4	192.2	134.3	91.1	61.9	42.7	33.7	26.6
55°	596.3	508.2	422.0	338.7	256.4	186.7	123.4	83.2	51.4	38.8	29.2
52.5°	725.1	616.8	516.6	422.0	331.2	241.5	170.2	103.9	70.1	43.8	33.4
50°	853.2	735.5	616.8	508.2	405.3	308.6	215.7	143.0	88.2	51.9	37.6
47.5°	980.3	853.2	725.1	596.3	483.0	373.8	271.3	183.0	105.7	67.5	41.7
45°	1097.2	969.3	831.6	694.1	558.1	441.3	328.9	221.6	139.9	82.4	45.6
42.5°	1208.4	1076.6	936.6	788.6	643.0	508.0	384.3	269.9	173.2	96.8	54.5
40°	1303.5	1177.2	1035.8	882.5	726.9	572.2	442.0	317.9	205.1	115.2	66.5
37.5°	1393.7	1266.8	1125.7	972.4	807.8	645.9	497.7	363.8	238.4	142.1	77.9
35°	1426.2	1347.4	1211.6	1054.7	886.8	715.9	550.6	408.9	277.3	167.5	88.7
32.5°	1453.0	1407.9	1283.6	1130.0	961.5	782.0	606.7	454.0	314.0	191.5	98.8
30°	1484.9	1431.5	1350.6	1200.9	1030.3	846.1	663.2	496.3	348.4	213.9	110.7
27.5°	1517.0	1453.6	1404.5	1261.1	1091.1	906.1	715.9	535.6	380.3	237.5	128.8
25°	1562.6	1479.3	1423.5	1314.7	1147.5	961.5	764.5	572.2	411.7	263.5	145.5
22.5°	1643.2	1504.8	1440.9	1363.9	1199.1	1012.1	809.7	612.2	441.3	287.2	160.7
20°	1716.5	1527.9	1456.7	1402.9	1242.4	1054.7	851.2	648.3	468.0	308.6	174.5
17.5°	1842.8	1567.6	1474.9	1415.9	1278.8	1092.6	888.2	680.4	491.7	327.6	186.7
15°	2227.9	1620.8	1491.6	1427.2	1310.6	1125.7	920.5	708.5	512.4	344.2	197.3
12.5°	2557.8	1666.3	1505.8	1436.9	1337.8	1154.0	948.0	732.3	530.0	358.3	206.3
10°	2830.6	1703.9	1517.6	1444.9	1360.1	1177.2	970.6	752.0	544.5	369.9	213.7
7.5°	3044.6	1733.4	1526.9	1451.1	1377.6	1195.4	988.3	767.3	555.8	378.9	219.5
5°	3198.5	1754.6	1533.5	1455.6	1390.1	1208.4	1000.9	778.3	563.9	385.4	223.7
2.5°	3291.2	1767.3	1537.5	1458.3	1397.7	1216.3	1008.6	784.9	568.8	389.3	226.2
0°	3322.2	1771.6	1538.8	1459.2	1400.2	1218.9	1011.1	787.1	570.4	390.6	227.0
-2.5°	3291.2	1767.3	1537.5	1458.3	1397.7	1216.3	1008.6	784.9	568.8	389.3	226.2
-5°	3198.5	1754.6	1533.5	1455.6	1390.1	1208.4	1000.9	778.3	563.9	385.4	223.7
-7.5°	3044.6	1733.4	1526.9	1451.1	1377.6	1195.4	988.3	767.3	555.8	378.9	219.5
-10°	2830.6	1703.9	1517.6	1444.9	1360.1	1177.2	970.6	752.0	544.5	369.9	213.7
-12.5°	2557.8	1666.3	1505.8	1436.9	1337.8	1154.0	948.0	732.3	530.0	358.3	206.3
-15°	2227.9	1620.8	1491.6	1427.2	1310.6	1125.7	920.5	708.5	512.4	344.2	197.3
-17.5°	1842.8	1567.6	1474.9	1415.9	1278.8	1092.6	888.2	680.4	491.7	327.6	186.7
-20°	1716.5	1527.9	1456.7	1402.9	1242.4	1054.7	851.2	648.3	468.0	308.6	174.5



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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°	1643.2	1504.8	1440.9	1363.9	1199.1	1012.1	809.7	612.2	441.3	287.2	160.7
-25°	1562.6	1479.3	1423.5	1314.7	1147.5	961.5	764.5	572.2	411.7	263.5	145.5
-27.5°	1517.0	1453.6	1404.5	1261.1	1091.1	906.1	715.9	535.6	380.3	237.5	128.8
-30°	1484.9	1431.5	1350.6	1200.9	1030.3	846.1	663.2	496.3	348.4	213.9	110.7
-32.5°	1453.0	1407.9	1283.6	1130.0	961.5	782.0	606.7	454.0	314.0	191.5	98.8
-35°	1426.2	1347.4	1211.6	1054.7	886.8	715.9	550.6	408.9	277.3	167.5	88.7
-37.5°	1393.7	1266.8	1125.7	972.4	807.8	645.9	497.7	363.8	238.4	142.1	77.9
-40°	1303.5	1177.2	1035.8	882.5	726.9	572.2	442.0	317.9	205.1	115.2	66.5
-42.5°	1208.4	1076.6	936.6	788.6	643.0	508.0	384.3	269.9	173.2	96.8	54.5
-45°	1097.2	969.3	831.6	694.1	558.1	441.3	328.9	221.6	139.9	82.4	45.6
-47.5°	980.3	853.2	725.1	596.3	483.0	373.8	271.3	183.0	105.7	67.5	41.7
-50°	853.2	735.5	616.8	508.2	405.3	308.6	215.7	143.0	88.2	51.9	37.6
-52.5°	725.1	616.8	516.6	422.0	331.2	241.5	170.2	103.9	70.1	43.8	33.4
-55°	596.3	508.2	422.0	338.7	256.4	186.7	123.4	83.2	51.4	38.8	29.2
-57.5°	483.0	405.3	331.2	256.4	192.2	134.3	91.1	61.9	42.7	33.7	26.6
-60°	373.8	308.6	241.5	186.7	134.3	93.8	67.2	45.1	36.8	28.9	23.9
-62.5°	271.3	215.7	170.2	123.4	91.1	67.2	45.9	38.4	30.8	25.7	21.2
-65°	183.0	143.0	103.9	83.2	61.9	45.1	38.4	31.5	26.6	22.5	18.5
-67.5°	105.7	88.2	70.1	51.4	42.7	36.8	30.8	26.6	23.0	19.3	16.0
-70°	67.5	51.9	43.8	38.8	33.7	28.9	25.7	22.5	19.3	16.4	13.5
-72.5°	41.7	37.6	33.4	29.2	26.6	23.9	21.2	18.5	16.0	13.5	11.0
-75°	30.0	27.8	25.6	23.5	21.2	19.0	16.9	14.9	12.7	10.6	9.4
-77.5°	22.9	21.2	19.5	17.9	16.3	14.6	12.9	11.2	9.9	9.0	8.1
-80°	16.5	15.3	14.1	12.8	11.6	10.3	9.6	8.9	8.2	7.5	6.8
-82.5°	10.5	10.0	9.5	9.1	8.6	8.1	7.6	7.1	6.5	6.0	5.3
-85°	7.4	7.2	6.9	6.5	6.2	5.9	5.4	5.0	4.5	4.0	3.5
-87.5°	4.0	3.8	3.6	3.4	3.2	2.9	2.7	2.5	2.3	2.0	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°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
85°	3.1	2.6	2.0	1.5	1.0	0.5	0.0
82.5°	4.6	3.8	3.1	2.3	1.5	0.8	0.0
80°	6.0	5.1	4.1	3.1	2.0	1.0	0.0
77.5°	7.2	6.2	5.1	3.8	2.6	1.3	0.0
75°	8.3	7.2	6.0	4.6	3.1	1.5	0.0
72.5°	9.4	8.1	6.8	5.3	3.5	1.8	0.0
70°	10.6	9.0	7.5	6.0	4.0	2.0	0.0
67.5°	12.7	9.9	8.2	6.5	4.5	2.3	0.0
65°	14.9	11.2	8.9	7.1	5.0	2.5	0.0
62.5°	16.9	12.9	9.6	7.6	5.4	2.7	0.0
60°	19.0	14.6	10.3	8.1	5.9	2.9	0.0
57.5°	21.2	16.3	11.6	8.6	6.2	3.2	0.0
55°	23.5	17.9	12.8	9.1	6.5	3.4	0.0
52.5°	25.6	19.5	14.1	9.5	6.9	3.6	0.0
50°	27.8	21.2	15.3	10.0	7.2	3.8	0.0
47.5°	30.0	22.9	16.5	10.5	7.4	4.0	0.0
45°	33.4	24.6	17.6	11.4	7.7	4.2	0.0
42.5°	36.6	26.1	18.7	12.2	8.0	4.3	0.0
40°	39.7	27.6	19.8	12.9	8.2	4.5	0.0
37.5°	42.6	29.0	20.9	13.7	8.5	4.7	0.0
35°	45.4	31.0	22.0	14.4	8.7	4.8	0.0
32.5°	49.8	33.2	23.0	15.0	8.9	5.0	0.0
30°	57.9	35.2	23.9	15.6	9.1	5.1	0.0
27.5°	65.4	37.1	24.8	16.2	9.3	5.2	0.0
25°	72.3	38.8	25.6	16.7	9.5	5.3	0.0
22.5°	78.6	40.4	26.3	17.2	9.6	5.5	0.0
20°	84.3	41.8	27.0	17.6	9.8	5.5	0.0
17.5°	89.4	43.0	27.6	18.0	9.9	5.6	0.0
15°	93.8	44.1	28.1	18.3	10.0	5.7	0.0
12.5°	97.5	45.1	28.5	18.6	10.1	5.8	0.0
10°	100.6	45.8	28.9	18.8	10.2	5.8	0.0
7.5°	103.0	46.4	29.1	19.0	10.2	5.8	0.0
5°	104.7	46.9	29.3	19.1	10.3	5.9	0.0
2.5°	105.8	47.1	29.5	19.2	10.3	5.9	0.0
0°	106.1	47.2	29.5	19.2	10.3	5.9	0.0
-2.5°	105.8	47.1	29.5	19.2	10.3	5.9	0.0
-5°	104.7	46.9	29.3	19.1	10.3	5.9	0.0
-7.5°	103.0	46.4	29.1	19.0	10.2	5.8	0.0
-10°	100.6	45.8	28.9	18.8	10.2	5.8	0.0
-12.5°	97.5	45.1	28.5	18.6	10.1	5.8	0.0
-15°	93.8	44.1	28.1	18.3	10.0	5.7	0.0
-17.5°	89.4	43.0	27.6	18.0	9.9	5.6	0.0
-20°	84.3	41.8	27.0	17.6	9.8	5.5	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	78.6	40.4	26.3	17.2	9.6	5.5	0.0
-25°	72.3	38.8	25.6	16.7	9.5	5.3	0.0
-27.5°	65.4	37.1	24.8	16.2	9.3	5.2	0.0
-30°	57.9	35.2	23.9	15.6	9.1	5.1	0.0
-32.5°	49.8	33.2	23.0	15.0	8.9	5.0	0.0
-35°	45.4	31.0	22.0	14.4	8.7	4.8	0.0
-37.5°	42.6	29.0	20.9	13.7	8.5	4.7	0.0
-40°	39.7	27.6	19.8	12.9	8.2	4.5	0.0
-42.5°	36.6	26.1	18.7	12.2	8.0	4.3	0.0
-45°	33.4	24.6	17.6	11.4	7.7	4.2	0.0
-47.5°	30.0	22.9	16.5	10.5	7.4	4.0	0.0
-50°	27.8	21.2	15.3	10.0	7.2	3.8	0.0
-52.5°	25.6	19.5	14.1	9.5	6.9	3.6	0.0
-55°	23.5	17.9	12.8	9.1	6.5	3.4	0.0
-57.5°	21.2	16.3	11.6	8.6	6.2	3.2	0.0
-60°	19.0	14.6	10.3	8.1	5.9	2.9	0.0
-62.5°	16.9	12.9	9.6	7.6	5.4	2.7	0.0
-65°	14.9	11.2	8.9	7.1	5.0	2.5	0.0
-67.5°	12.7	9.9	8.2	6.5	4.5	2.3	0.0
-70°	10.6	9.0	7.5	6.0	4.0	2.0	0.0
-72.5°	9.4	8.1	6.8	5.3	3.5	1.8	0.0
-75°	8.3	7.2	6.0	4.6	3.1	1.5	0.0
-77.5°	7.2	6.2	5.1	3.8	2.6	1.3	0.0
-80°	6.0	5.1	4.1	3.1	2.0	1.0	0.0
-82.5°	4.6	3.8	3.1	2.3	1.5	0.8	0.0
-85°	3.1	2.6	2.0	1.5	1.0	0.5	0.0
-87.5°	1.5	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)