

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: P1305408 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-57-80-2S-HEG-A**

Issue Date: 2/3/2026

**Test Information**

Test Method: LM-79-08  
Report Number: P1305408 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-640L-57-80-2S-HEG-A  
Description: EPHEBUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 2S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

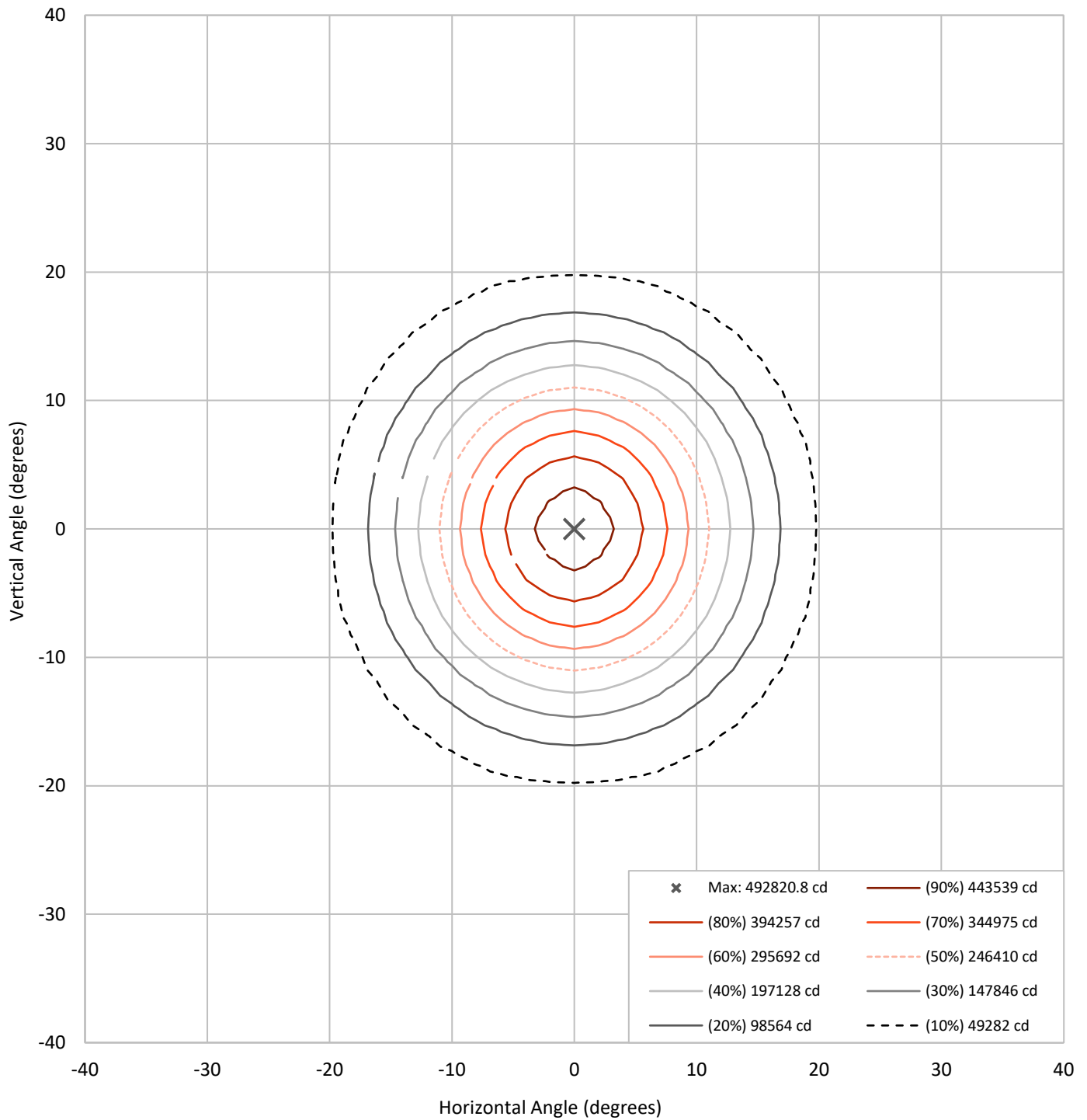
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	88772.6 lumens	Max Intensity:	492820.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	132.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	22°H x 22°V	Field Angle (10%):	39.6°H x 39.6°V
Beam Lumens:	39234.5 lumens	Field Lumens:	72867.9 lumens
Beam Efficiency:	44.2%	Field Efficiency:	82.1%

Input Watts (W): 670  
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





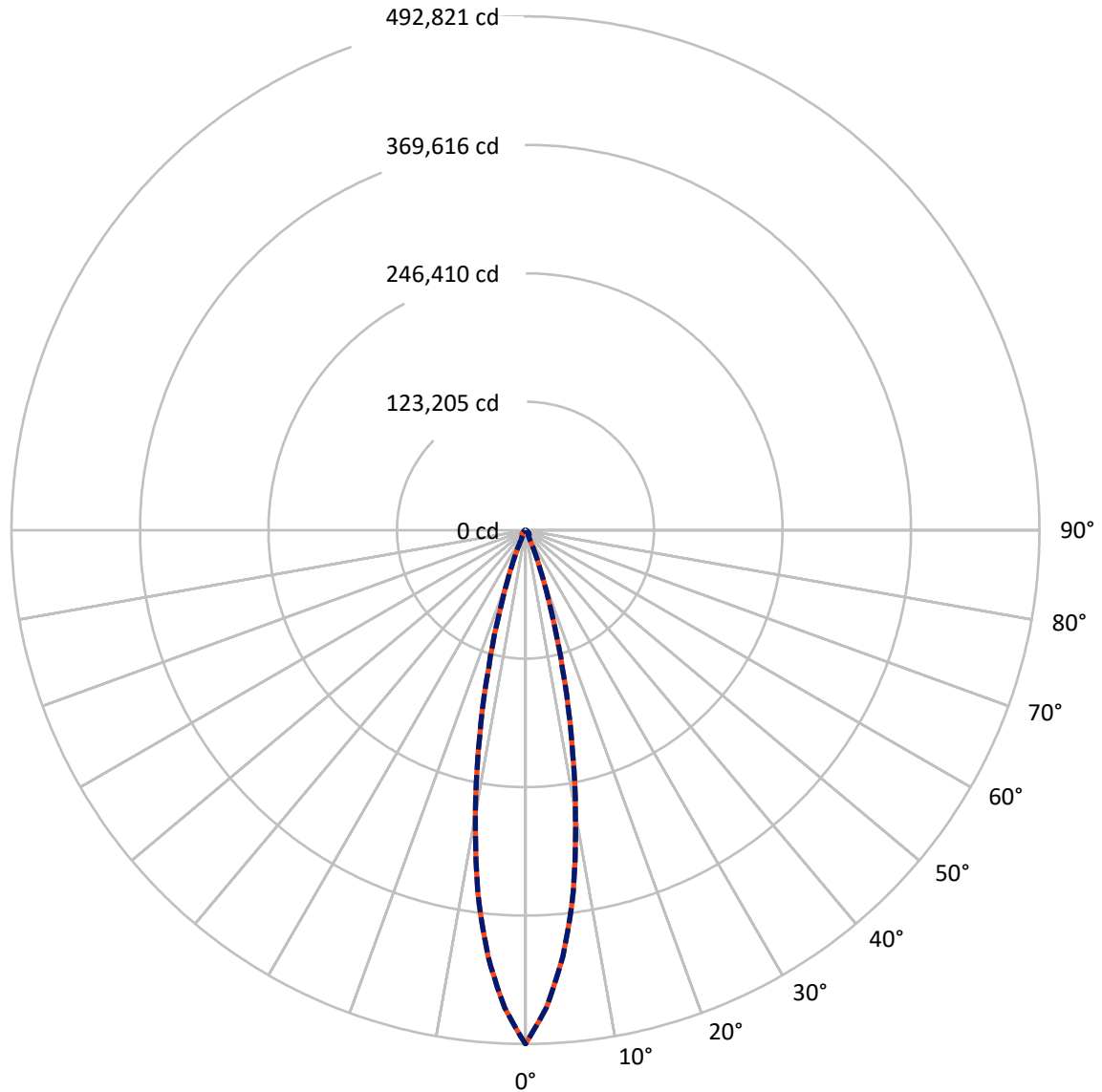
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### Lumen Table

90	0.2	0.9	3.1	7.8	10.3	7.8	3.1	0.9	0.2							
80	0.2	0.9	3.1	7.8	10.3	7.8	3.1	0.9	0.2							
70	0.4	0.5	1.8	5.6	11.1	17.1	22.0	24.8	24.8	22.0	17.1	11.1	5.6	1.8	0.5	0.4
60		1.4	6.5	15.8	27.3	38.0	45.2	49.0	49.0	45.2	38.0	27.3	15.8	6.5	1.4	
50	1.0	3.5	12.9	27.4	41.8	67.7	103.6	124.1	124.1	103.6	67.7	41.8	27.4	12.9	3.5	1.0
40		5.9	19.3	36.1	79.8	137.0	160.5	168.7	168.7	160.5	137.0	79.8	36.1	19.3	5.9	
30	2.3	8.2	24.2	53.4	124.0	154.2	210.9	430.3	430.3	210.9	154.2	124.0	53.4	24.2	8.2	2.3
20		9.9	27.1	76.9	136.2	198.5	1255.5	3720.4	3720.4	1255.5	198.5	136.2	76.9	27.1	9.9	
10	2.9	10.8	28.4	89.1	138.8	396.7	3625.9	10197.2	10197.2	3625.9	396.7	138.8	89.1	28.4	10.8	2.9
0		10.8	28.4	89.1	138.8	396.7	3625.9	10197.2	10197.2	3625.9	396.7	138.8	89.1	28.4	10.8	
-10	2.3	9.9	27.1	76.9	136.2	198.5	1255.5	3720.4	3720.4	1255.5	198.5	136.2	76.9	27.1	9.9	2.3
-20		8.2	24.2	53.4	124.0	154.2	210.9	430.3	430.3	210.9	154.2	124.0	53.4	24.2	8.2	
-30	1.0	5.9	19.3	36.1	79.8	137.0	160.5	168.7	168.7	160.5	137.0	79.8	36.1	19.3	5.9	1.0
-40		3.5	12.9	27.4	41.8	67.7	103.6	124.1	124.1	103.6	67.7	41.8	27.4	12.9	3.5	
-50	0.4	1.4	6.5	15.8	27.3	38.0	45.2	49.0	49.0	45.2	38.0	27.3	15.8	6.5	1.4	0.4
-60		0.5	1.8	5.6	11.1	17.1	22.0	24.8	24.8	22.0	17.1	11.1	5.6	1.8	0.5	
-70	0.2	0.9	3.1	7.8	10.3	7.8	3.1	0.9	0.2							
-80		0.2	0.9	3.1	7.8	10.3	7.8	3.1	0.9	0.2						
-90	0.2	0.9	3.1	7.8	10.3	7.8	3.1	0.9	0.2							

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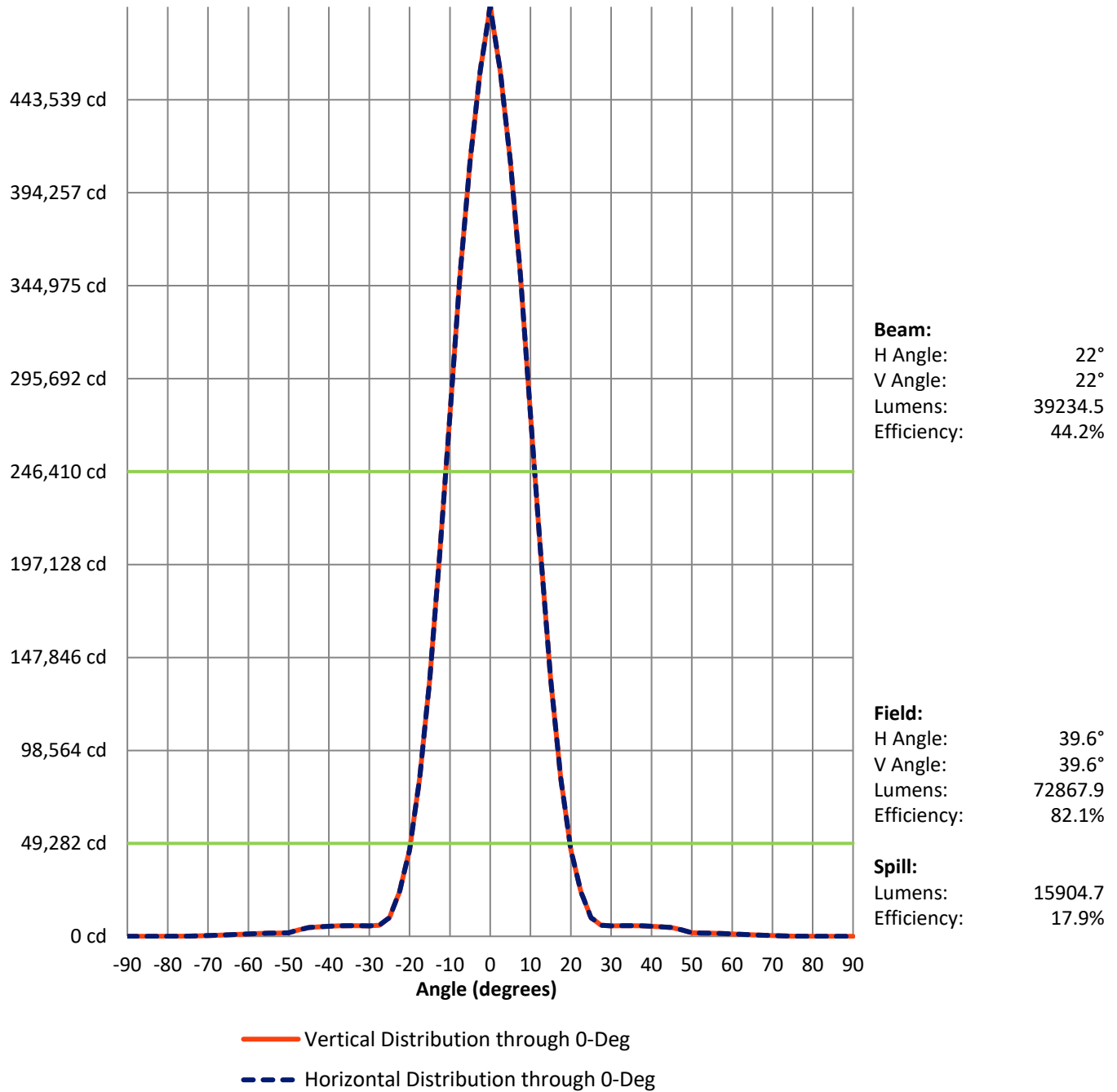
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



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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	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.1	3.5	3.9
85°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.5	6.3	7.0	7.8
82.5°	0.0	1.2	2.4	3.6	4.8	6.0	7.1	8.3	9.3	9.9	10.4
80°	0.0	1.6	3.2	4.8	6.4	7.9	9.3	10.1	10.9	11.6	12.3
77.5°	0.0	2.0	4.0	6.0	7.9	9.5	10.5	11.5	12.4	13.3	14.4
75°	0.0	2.4	4.8	7.1	9.3	10.5	11.7	12.8	14.0	15.5	16.9
72.5°	0.0	2.8	5.5	8.3	10.1	11.5	12.8	14.3	16.0	17.7	19.4
70°	0.0	3.1	6.3	9.3	10.9	12.4	14.0	16.0	18.0	20.0	23.4
67.5°	0.0	3.5	7.0	9.9	11.6	13.3	15.5	17.7	20.0	23.9	27.7
65°	0.0	3.9	7.8	10.4	12.3	14.4	16.9	19.4	23.4	27.7	32.8
62.5°	0.0	4.2	8.5	11.0	13.1	15.6	18.3	22.0	26.8	32.0	39.9
60°	0.0	4.6	9.2	11.5	13.8	16.8	19.7	24.9	30.0	38.3	46.9
57.5°	0.0	4.9	9.5	12.0	14.7	17.9	22.0	27.7	35.0	44.4	64.8
55°	0.0	5.3	9.9	12.5	15.5	19.0	24.4	30.4	40.4	53.6	87.5
52.5°	0.0	5.6	10.2	13.0	16.4	20.2	26.7	34.7	45.5	73.5	109.6
50°	0.0	5.9	10.5	13.5	17.2	22.0	28.9	39.1	54.1	92.8	153.5
47.5°	0.0	6.2	10.8	13.9	18.0	23.8	31.2	43.4	70.7	111.5	198.7
45°	0.0	6.5	11.1	14.5	18.8	25.5	34.7	47.5	86.7	150.1	242.3
42.5°	0.0	6.8	11.4	15.1	19.5	27.2	38.1	56.9	102.0	187.7	293.0
40°	0.0	7.0	11.6	15.6	20.5	28.7	41.3	69.6	122.2	223.7	342.9
37.5°	0.0	7.3	11.9	16.1	21.7	30.2	44.3	81.8	152.5	260.2	390.6
35°	0.0	7.5	12.1	16.6	22.8	32.3	47.2	93.3	181.2	300.7	436.8
32.5°	0.0	7.8	12.4	17.0	23.9	34.5	51.8	104.1	208.3	338.9	481.7
30°	0.0	8.0	12.6	17.4	24.9	36.6	60.5	117.1	233.6	374.6	523.9
27.5°	0.0	8.2	12.8	17.8	25.8	38.6	68.5	137.5	259.3	407.8	563.2
25°	0.0	8.3	12.9	18.2	26.6	40.4	75.9	156.4	286.3	439.6	599.8
22.5°	0.0	8.5	13.1	18.5	27.4	42.0	82.6	173.6	311.0	469.1	640.8
20°	0.0	8.6	13.2	18.8	28.1	43.5	88.7	189.1	333.3	495.7	677.8
17.5°	0.0	8.8	13.4	19.0	28.7	44.8	94.1	202.9	353.0	519.4	710.8
15°	0.0	8.9	13.5	19.3	29.2	45.9	98.8	214.8	370.3	540.0	739.5
12.5°	0.0	9.0	13.6	19.5	29.7	46.9	102.8	225.0	384.9	557.6	764.0
10°	0.0	9.1	13.7	19.6	30.0	47.7	106.0	233.4	397.0	572.1	784.2
7.5°	0.0	9.1	13.7	19.7	30.3	48.3	108.6	240.0	406.4	583.3	799.9
5°	0.0	9.2	13.8	19.8	30.5	48.7	110.4	244.6	413.1	591.4	811.2
2.5°	0.0	9.2	13.8	19.9	30.7	49.0	111.5	247.5	417.1	596.3	817.9
0°	0.0	9.2	13.8	19.9	30.7	49.1	111.9	248.4	418.5	597.9	820.2
-2.5°	0.0	9.2	13.8	19.9	30.7	49.0	111.5	247.5	417.1	596.3	817.9
-5°	0.0	9.2	13.8	19.8	30.5	48.7	110.4	244.6	413.1	591.4	811.2
-7.5°	0.0	9.1	13.7	19.7	30.3	48.3	108.6	240.0	406.4	583.3	799.9
-10°	0.0	9.1	13.7	19.6	30.0	47.7	106.0	233.4	397.0	572.1	784.2
-12.5°	0.0	9.0	13.6	19.5	29.7	46.9	102.8	225.0	384.9	557.6	764.0
-15°	0.0	8.9	13.5	19.3	29.2	45.9	98.8	214.8	370.3	540.0	739.5
-17.5°	0.0	8.8	13.4	19.0	28.7	44.8	94.1	202.9	353.0	519.4	710.8
-20°	0.0	8.6	13.2	18.8	28.1	43.5	88.7	189.1	333.3	495.7	677.8



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 CATALOG NUMBER: EPH-08-640L-57-80-2S-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	8.5	13.1	18.5	27.4	42.0	82.6	173.6	311.0	469.1	640.8
-25°	0.0	8.3	12.9	18.2	26.6	40.4	75.9	156.4	286.3	439.6	599.8
-27.5°	0.0	8.2	12.8	17.8	25.8	38.6	68.5	137.5	259.3	407.8	563.2
-30°	0.0	8.0	12.6	17.4	24.9	36.6	60.5	117.1	233.6	374.6	523.9
-32.5°	0.0	7.8	12.4	17.0	23.9	34.5	51.8	104.1	208.3	338.9	481.7
-35°	0.0	7.5	12.1	16.6	22.8	32.3	47.2	93.3	181.2	300.7	436.8
-37.5°	0.0	7.3	11.9	16.1	21.7	30.2	44.3	81.8	152.5	260.2	390.6
-40°	0.0	7.0	11.6	15.6	20.5	28.7	41.3	69.6	122.2	223.7	342.9
-42.5°	0.0	6.8	11.4	15.1	19.5	27.2	38.1	56.9	102.0	187.7	293.0
-45°	0.0	6.5	11.1	14.5	18.8	25.5	34.7	47.5	86.7	150.1	242.3
-47.5°	0.0	6.2	10.8	13.9	18.0	23.8	31.2	43.4	70.7	111.5	198.7
-50°	0.0	5.9	10.5	13.5	17.2	22.0	28.9	39.1	54.1	92.8	153.5
-52.5°	0.0	5.6	10.2	13.0	16.4	20.2	26.7	34.7	45.5	73.5	109.6
-55°	0.0	5.3	9.9	12.5	15.5	19.0	24.4	30.4	40.4	53.6	87.5
-57.5°	0.0	4.9	9.5	12.0	14.7	17.9	22.0	27.7	35.0	44.4	64.8
-60°	0.0	4.6	9.2	11.5	13.8	16.8	19.7	24.9	30.0	38.3	46.9
-62.5°	0.0	4.2	8.5	11.0	13.1	15.6	18.3	22.0	26.8	32.0	39.9
-65°	0.0	3.9	7.8	10.4	12.3	14.4	16.9	19.4	23.4	27.7	32.8
-67.5°	0.0	3.5	7.0	9.9	11.6	13.3	15.5	17.7	20.0	23.9	27.7
-70°	0.0	3.1	6.3	9.3	10.9	12.4	14.0	16.0	18.0	20.0	23.4
-72.5°	0.0	2.8	5.5	8.3	10.1	11.5	12.8	14.3	16.0	17.7	19.4
-75°	0.0	2.4	4.8	7.1	9.3	10.5	11.7	12.8	14.0	15.5	16.9
-77.5°	0.0	2.0	4.0	6.0	7.9	9.5	10.5	11.5	12.4	13.3	14.4
-80°	0.0	1.6	3.2	4.8	6.4	7.9	9.3	10.1	10.9	11.6	12.3
-82.5°	0.0	1.2	2.4	3.6	4.8	6.0	7.1	8.3	9.3	9.9	10.4
-85°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.5	6.3	7.0	7.8
-87.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.1	3.5	3.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	4.2	4.6	4.9	5.3	5.6	5.9	6.2	6.5	6.8	7.0	7.3
85°	8.5	9.2	9.5	9.9	10.2	10.5	10.8	11.1	11.4	11.6	11.9
82.5°	11.0	11.5	12.0	12.5	13.0	13.5	13.9	14.5	15.1	15.6	16.1
80°	13.1	13.8	14.7	15.5	16.4	17.2	18.0	18.8	19.5	20.5	21.7
77.5°	15.6	16.8	17.9	19.0	20.2	22.0	23.8	25.5	27.2	28.7	30.2
75°	18.3	19.7	22.0	24.4	26.7	28.9	31.2	34.7	38.1	41.3	44.3
72.5°	22.0	24.9	27.7	30.4	34.7	39.1	43.4	47.5	56.9	69.6	81.8
70°	26.8	30.0	35.0	40.4	45.5	54.1	70.7	86.7	102.0	122.2	152.5
67.5°	32.0	38.3	44.4	53.6	73.5	92.8	111.5	150.1	187.7	223.7	260.2
65°	39.9	46.9	64.8	87.5	109.6	153.5	198.7	242.3	293.0	342.9	390.6
62.5°	47.7	70.4	95.9	131.4	184.3	235.6	294.5	354.3	411.9	469.8	525.4
60°	70.4	98.8	143.8	202.9	263.4	333.3	401.0	469.1	535.6	599.8	675.3
57.5°	95.9	143.8	209.1	279.0	356.7	433.2	510.7	585.6	672.3	758.4	841.6
55°	131.4	202.9	279.0	364.6	449.8	535.8	624.5	724.8	821.8	918.8	1011.7
52.5°	184.3	263.4	356.7	449.8	544.2	645.5	756.6	866.2	974.7	1078.1	1174.3
50°	235.6	333.3	433.2	535.8	645.5	767.2	888.6	1008.6	1121.8	1229.4	1337.2
47.5°	294.5	401.0	510.7	624.5	756.6	888.6	1019.9	1143.8	1262.8	1385.6	1504.5
45°	354.3	469.1	585.6	724.8	866.2	1008.6	1143.8	1274.0	1410.0	1533.0	1621.7
42.5°	411.9	535.6	672.3	821.8	974.7	1121.8	1262.8	1410.0	1541.7	1639.3	1695.9
40°	469.8	599.8	758.4	918.8	1078.1	1229.4	1385.6	1533.0	1639.3	1698.6	1727.9
37.5°	525.4	675.3	841.6	1011.7	1174.3	1337.2	1504.5	1621.7	1695.9	1727.9	1839.3
35°	578.2	747.1	923.2	1098.3	1266.2	1443.5	1586.8	1688.1	1722.5	1829.0	2235.6
32.5°	635.2	815.0	1000.4	1178.9	1359.3	1535.0	1662.6	1711.9	1798.6	2061.7	3127.4
30°	693.1	881.2	1072.2	1254.8	1447.7	1601.8	1696.1	1748.4	1888.4	2861.2	3876.5
27.5°	747.1	943.2	1137.3	1329.6	1525.3	1664.3	1715.9	1827.5	2423.9	3582.7	4532.6
25°	797.0	1000.4	1197.6	1400.4	1579.0	1692.7	1747.9	1901.3	3084.8	4158.8	4811.5
22.5°	843.5	1052.8	1252.8	1465.3	1628.4	1708.4	1811.1	2392.1	3647.1	4675.7	4982.5
20°	886.4	1098.3	1305.0	1520.8	1673.2	1722.6	1868.6	2910.1	4101.4	4821.6	5122.8
17.5°	924.6	1138.9	1353.0	1557.5	1689.9	1751.9	1981.7	3375.4	4510.3	4953.2	5241.8
15°	958.0	1174.3	1394.9	1589.6	1700.2	1793.6	2359.3	3719.0	4728.6	5064.1	5346.8
12.5°	986.4	1204.5	1430.7	1617.1	1709.0	1829.3	2682.9	4004.7	4821.0	5148.1	5421.1
10°	1009.8	1229.4	1460.2	1639.7	1716.3	1858.8	2950.4	4241.2	4897.6	5217.8	5483.1
7.5°	1028.1	1248.9	1483.3	1657.4	1721.9	1881.9	3160.3	4427.0	4957.9	5272.7	5531.9
5°	1041.2	1262.8	1499.8	1670.1	1726.0	1898.5	3311.3	4560.6	5001.3	5312.4	5567.2
2.5°	1049.1	1271.2	1509.8	1677.7	1728.5	1908.5	3402.2	4641.3	5027.4	5336.3	5588.6
0°	1051.7	1274.0	1513.1	1680.3	1729.3	1911.8	3432.6	4668.2	5036.2	5344.3	5595.7
-2.5°	1049.1	1271.2	1509.8	1677.7	1728.5	1908.5	3402.2	4641.3	5027.4	5336.3	5588.6
-5°	1041.2	1262.8	1499.8	1670.1	1726.0	1898.5	3311.3	4560.6	5001.3	5312.4	5567.2
-7.5°	1028.1	1248.9	1483.3	1657.4	1721.9	1881.9	3160.3	4427.0	4957.9	5272.7	5531.9
-10°	1009.8	1229.4	1460.2	1639.7	1716.3	1858.8	2950.4	4241.2	4897.6	5217.8	5483.1
-12.5°	986.4	1204.5	1430.7	1617.1	1709.0	1829.3	2682.9	4004.7	4821.0	5148.1	5421.1
-15°	958.0	1174.3	1394.9	1589.6	1700.2	1793.6	2359.3	3719.0	4728.6	5064.1	5346.8
-17.5°	924.6	1138.9	1353.0	1557.5	1689.9	1751.9	1981.7	3375.4	4510.3	4953.2	5241.8
-20°	886.4	1098.3	1305.0	1520.8	1673.2	1722.6	1868.6	2910.1	4101.4	4821.6	5122.8



REPORT NUMBER: P1305408 (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°	843.5	1052.8	1252.8	1465.3	1628.4	1708.4	1811.1	2392.1	3647.1	4675.7	4982.5
-25°	797.0	1000.4	1197.6	1400.4	1579.0	1692.7	1747.9	1901.3	3084.8	4158.8	4811.5
-27.5°	747.1	943.2	1137.3	1329.6	1525.3	1664.3	1715.9	1827.5	2423.9	3582.7	4532.6
-30°	693.1	881.2	1072.2	1254.8	1447.7	1601.8	1696.1	1748.4	1888.4	2861.2	3876.5
-32.5°	635.2	815.0	1000.4	1178.9	1359.3	1535.0	1662.6	1711.9	1798.6	2061.7	3127.4
-35°	578.2	747.1	923.2	1098.3	1266.2	1443.5	1586.8	1688.1	1722.5	1829.0	2235.6
-37.5°	525.4	675.3	841.6	1011.7	1174.3	1337.2	1504.5	1621.7	1695.9	1727.9	1839.3
-40°	469.8	599.8	758.4	918.8	1078.1	1229.4	1385.6	1533.0	1639.3	1698.6	1727.9
-42.5°	411.9	535.6	672.3	821.8	974.7	1121.8	1262.8	1410.0	1541.7	1639.3	1695.9
-45°	354.3	469.1	585.6	724.8	866.2	1008.6	1143.8	1274.0	1410.0	1533.0	1621.7
-47.5°	294.5	401.0	510.7	624.5	756.6	888.6	1019.9	1143.8	1262.8	1385.6	1504.5
-50°	235.6	333.3	433.2	535.8	645.5	767.2	888.6	1008.6	1121.8	1229.4	1337.2
-52.5°	184.3	263.4	356.7	449.8	544.2	645.5	756.6	866.2	974.7	1078.1	1174.3
-55°	131.4	202.9	279.0	364.6	449.8	535.8	624.5	724.8	821.8	918.8	1011.7
-57.5°	95.9	143.8	209.1	279.0	356.7	433.2	510.7	585.6	672.3	758.4	841.6
-60°	70.4	98.8	143.8	202.9	263.4	333.3	401.0	469.1	535.6	599.8	675.3
-62.5°	47.7	70.4	95.9	131.4	184.3	235.6	294.5	354.3	411.9	469.8	525.4
-65°	39.9	46.9	64.8	87.5	109.6	153.5	198.7	242.3	293.0	342.9	390.6
-67.5°	32.0	38.3	44.4	53.6	73.5	92.8	111.5	150.1	187.7	223.7	260.2
-70°	26.8	30.0	35.0	40.4	45.5	54.1	70.7	86.7	102.0	122.2	152.5
-72.5°	22.0	24.9	27.7	30.4	34.7	39.1	43.4	47.5	56.9	69.6	81.8
-75°	18.3	19.7	22.0	24.4	26.7	28.9	31.2	34.7	38.1	41.3	44.3
-77.5°	15.6	16.8	17.9	19.0	20.2	22.0	23.8	25.5	27.2	28.7	30.2
-80°	13.1	13.8	14.7	15.5	16.4	17.2	18.0	18.8	19.5	20.5	21.7
-82.5°	11.0	11.5	12.0	12.5	13.0	13.5	13.9	14.5	15.1	15.6	16.1
-85°	8.5	9.2	9.5	9.9	10.2	10.5	10.8	11.1	11.4	11.6	11.9
-87.5°	4.2	4.6	4.9	5.3	5.6	5.9	6.2	6.5	6.8	7.0	7.3
-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°	7.5	7.8	8.0	8.2	8.3	8.5	8.6	8.8	8.9	9.0	9.1
85°	12.1	12.4	12.6	12.8	12.9	13.1	13.2	13.4	13.5	13.6	13.7
82.5°	16.6	17.0	17.4	17.8	18.2	18.5	18.8	19.0	19.3	19.5	19.6
80°	22.8	23.9	24.9	25.8	26.6	27.4	28.1	28.7	29.2	29.7	30.0
77.5°	32.3	34.5	36.6	38.6	40.4	42.0	43.5	44.8	45.9	46.9	47.7
75°	47.2	51.8	60.5	68.5	75.9	82.6	88.7	94.1	98.8	102.8	106.0
72.5°	93.3	104.1	117.1	137.5	156.4	173.6	189.1	202.9	214.8	225.0	233.4
70°	181.2	208.3	233.6	259.3	286.3	311.0	333.3	353.0	370.3	384.9	397.0
67.5°	300.7	338.9	374.6	407.8	439.6	469.1	495.7	519.4	540.0	557.6	572.1
65°	436.8	481.7	523.9	563.2	599.8	640.8	677.8	710.8	739.5	764.0	784.2
62.5°	578.2	635.2	693.1	747.1	797.0	843.5	886.4	924.6	958.0	986.4	1009.8
60°	747.1	815.0	881.2	943.2	1000.4	1052.8	1098.3	1138.9	1174.3	1204.5	1229.4
57.5°	923.2	1000.4	1072.2	1137.3	1197.6	1252.8	1305.0	1353.0	1394.9	1430.7	1460.2
55°	1098.3	1178.9	1254.8	1329.6	1400.4	1465.3	1520.8	1557.5	1589.6	1617.1	1639.7
52.5°	1266.2	1359.3	1447.7	1525.3	1579.0	1628.4	1673.2	1689.9	1700.2	1709.0	1716.3
50°	1443.5	1535.0	1601.8	1664.3	1692.7	1708.4	1722.6	1751.9	1793.6	1829.3	1858.8
47.5°	1586.8	1662.6	1696.1	1715.9	1747.9	1811.1	1868.6	1981.7	2359.3	2682.9	2950.4
45°	1688.1	1711.9	1748.4	1827.5	1901.3	2392.1	2910.1	3375.4	3719.0	4004.7	4241.2
42.5°	1722.5	1798.6	1888.4	2423.9	3084.8	3647.1	4101.4	4510.3	4728.6	4821.0	4897.6
40°	1829.0	2061.7	2861.2	3582.7	4158.8	4675.7	4821.6	4953.2	5064.1	5148.1	5217.8
37.5°	2235.6	3127.4	3876.5	4532.6	4811.5	4982.5	5122.8	5241.8	5346.8	5421.1	5483.1
35°	3216.7	4025.0	4695.7	4904.0	5090.0	5243.6	5377.6	5482.5	5575.7	5607.9	5621.5
32.5°	4025.0	4718.5	4950.8	5150.3	5326.0	5463.6	5587.9	5616.9	5637.3	5645.3	5643.5
30°	4695.7	4950.8	5170.6	5363.4	5516.3	5608.7	5635.5	5644.6	5642.0	5632.0	5603.1
27.5°	4904.0	5150.3	5363.4	5534.0	5616.0	5646.2	5642.7	5630.3	5587.4	5549.9	5675.4
25°	5090.0	5326.0	5516.3	5616.0	5645.8	5641.8	5607.9	5556.6	5707.6	5871.1	7031.1
22.5°	5243.6	5463.6	5608.7	5646.2	5641.8	5600.4	5585.1	5805.9	7002.4	9010.6	12600.3
20°	5377.6	5587.9	5635.5	5642.7	5607.9	5585.1	5839.3	7788.7	10966.7	18454.0	25715.2
17.5°	5482.5	5616.9	5644.6	5630.3	5556.6	5805.9	7788.7	12397.8	21488.8	33534.5	45244.5
15°	5575.7	5637.3	5642.0	5587.4	5707.6	7002.4	10966.7	21488.8	36216.5	54540.6	76848.2
12.5°	5607.9	5645.3	5632.0	5549.9	5871.1	9010.6	18454.0	33534.5	54540.6	82266.2	116217.3
10°	5621.5	5643.5	5603.1	5675.4	7031.1	12600.3	25715.2	45244.5	76848.2	116217.3	158718.6
7.5°	5632.3	5642.1	5580.1	5776.4	8282.3	17320.0	34296.7	61223.1	99991.4	147669.5	204083.6
5°	5640.0	5641.0	5563.3	5850.1	9199.4	20799.5	40672.4	73585.7	119669.9	176614.3	242404.1
2.5°	5644.7	5640.4	5553.1	5894.9	9759.7	22934.1	44606.5	81276.9	132059.9	196387.0	267390.4
0°	5646.3	5640.2	5549.7	5910.0	9948.2	23653.9	45937.2	83890.1	136298.5	203421.3	276152.2
-2.5°	5644.7	5640.4	5553.1	5894.9	9759.7	22934.1	44606.5	81276.9	132059.9	196387.0	267390.4
-5°	5640.0	5641.0	5563.3	5850.1	9199.4	20799.5	40672.4	73585.7	119669.9	176614.3	242404.1
-7.5°	5632.3	5642.1	5580.1	5776.4	8282.3	17320.0	34296.7	61223.1	99991.4	147669.5	204083.6
-10°	5621.5	5643.5	5603.1	5675.4	7031.1	12600.3	25715.2	45244.5	76848.2	116217.3	158718.6
-12.5°	5607.9	5645.3	5632.0	5549.9	5871.1	9010.6	18454.0	33534.5	54540.6	82266.2	116217.3
-15°	5575.7	5637.3	5642.0	5587.4	5707.6	7002.4	10966.7	21488.8	36216.5	54540.6	76848.2
-17.5°	5482.5	5616.9	5644.6	5630.3	5556.6	5805.9	7788.7	12397.8	21488.8	33534.5	45244.5
-20°	5377.6	5587.9	5635.5	5642.7	5607.9	5585.1	5839.3	7788.7	10966.7	18454.0	25715.2



REPORT NUMBER: P1305408 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-57-80-2S-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5243.6	5463.6	5608.7	5646.2	5641.8	5600.4	5585.1	5805.9	7002.4	9010.6	12600.3
-25°	5090.0	5326.0	5516.3	5616.0	5645.8	5641.8	5607.9	5556.6	5707.6	5871.1	7031.1
-27.5°	4904.0	5150.3	5363.4	5534.0	5616.0	5646.2	5642.7	5630.3	5587.4	5549.9	5675.4
-30°	4695.7	4950.8	5170.6	5363.4	5516.3	5608.7	5635.5	5644.6	5642.0	5632.0	5603.1
-32.5°	4025.0	4718.5	4950.8	5150.3	5326.0	5463.6	5587.9	5616.9	5637.3	5645.3	5643.5
-35°	3216.7	4025.0	4695.7	4904.0	5090.0	5243.6	5377.6	5482.5	5575.7	5607.9	5621.5
-37.5°	2235.6	3127.4	3876.5	4532.6	4811.5	4982.5	5122.8	5241.8	5346.8	5421.1	5483.1
-40°	1829.0	2061.7	2861.2	3582.7	4158.8	4675.7	4821.6	4953.2	5064.1	5148.1	5217.8
-42.5°	1722.5	1798.6	1888.4	2423.9	3084.8	3647.1	4101.4	4510.3	4728.6	4821.0	4897.6
-45°	1688.1	1711.9	1748.4	1827.5	1901.3	2392.1	2910.1	3375.4	3719.0	4004.7	4241.2
-47.5°	1586.8	1662.6	1696.1	1715.9	1747.9	1811.1	1868.6	1981.7	2359.3	2682.9	2950.4
-50°	1443.5	1535.0	1601.8	1664.3	1692.7	1708.4	1722.6	1751.9	1793.6	1829.3	1858.8
-52.5°	1266.2	1359.3	1447.7	1525.3	1579.0	1628.4	1673.2	1689.9	1700.2	1709.0	1716.3
-55°	1098.3	1178.9	1254.8	1329.6	1400.4	1465.3	1520.8	1557.5	1589.6	1617.1	1639.7
-57.5°	923.2	1000.4	1072.2	1137.3	1197.6	1252.8	1305.0	1353.0	1394.9	1430.7	1460.2
-60°	747.1	815.0	881.2	943.2	1000.4	1052.8	1098.3	1138.9	1174.3	1204.5	1229.4
-62.5°	578.2	635.2	693.1	747.1	797.0	843.5	886.4	924.6	958.0	986.4	1009.8
-65°	436.8	481.7	523.9	563.2	599.8	640.8	677.8	710.8	739.5	764.0	784.2
-67.5°	300.7	338.9	374.6	407.8	439.6	469.1	495.7	519.4	540.0	557.6	572.1
-70°	181.2	208.3	233.6	259.3	286.3	311.0	333.3	353.0	370.3	384.9	397.0
-72.5°	93.3	104.1	117.1	137.5	156.4	173.6	189.1	202.9	214.8	225.0	233.4
-75°	47.2	51.8	60.5	68.5	75.9	82.6	88.7	94.1	98.8	102.8	106.0
-77.5°	32.3	34.5	36.6	38.6	40.4	42.0	43.5	44.8	45.9	46.9	47.7
-80°	22.8	23.9	24.9	25.8	26.6	27.4	28.1	28.7	29.2	29.7	30.0
-82.5°	16.6	17.0	17.4	17.8	18.2	18.5	18.8	19.0	19.3	19.5	19.6
-85°	12.1	12.4	12.6	12.8	12.9	13.1	13.2	13.4	13.5	13.6	13.7
-87.5°	7.5	7.8	8.0	8.2	8.3	8.5	8.6	8.8	8.9	9.0	9.1
-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: P1305408 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-57-80-2S-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°	9.1	9.2	9.2	9.2	9.2	9.2	9.1	9.1	9.0	8.9	8.8
85°	13.7	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.6	13.5	13.4
82.5°	19.7	19.8	19.9	19.9	19.9	19.8	19.7	19.6	19.5	19.3	19.0
80°	30.3	30.5	30.7	30.7	30.7	30.5	30.3	30.0	29.7	29.2	28.7
77.5°	48.3	48.7	49.0	49.1	49.0	48.7	48.3	47.7	46.9	45.9	44.8
75°	108.6	110.4	111.5	111.9	111.5	110.4	108.6	106.0	102.8	98.8	94.1
72.5°	240.0	244.6	247.5	248.4	247.5	244.6	240.0	233.4	225.0	214.8	202.9
70°	406.4	413.1	417.1	418.5	417.1	413.1	406.4	397.0	384.9	370.3	353.0
67.5°	583.3	591.4	596.3	597.9	596.3	591.4	583.3	572.1	557.6	540.0	519.4
65°	799.9	811.2	817.9	820.2	817.9	811.2	799.9	784.2	764.0	739.5	710.8
62.5°	1028.1	1041.2	1049.1	1051.7	1049.1	1041.2	1028.1	1009.8	986.4	958.0	924.6
60°	1248.9	1262.8	1271.2	1274.0	1271.2	1262.8	1248.9	1229.4	1204.5	1174.3	1138.9
57.5°	1483.3	1499.8	1509.8	1513.1	1509.8	1499.8	1483.3	1460.2	1430.7	1394.9	1353.0
55°	1657.4	1670.1	1677.7	1680.3	1677.7	1670.1	1657.4	1639.7	1617.1	1589.6	1557.5
52.5°	1721.9	1726.0	1728.5	1729.3	1728.5	1726.0	1721.9	1716.3	1709.0	1700.2	1689.9
50°	1881.9	1898.5	1908.5	1911.8	1908.5	1898.5	1881.9	1858.8	1829.3	1793.6	1751.9
47.5°	3160.3	3311.3	3402.2	3432.6	3402.2	3311.3	3160.3	2950.4	2682.9	2359.3	1981.7
45°	4427.0	4560.6	4641.3	4668.2	4641.3	4560.6	4427.0	4241.2	4004.7	3719.0	3375.4
42.5°	4957.9	5001.3	5027.4	5036.2	5027.4	5001.3	4957.9	4897.6	4821.0	4728.6	4510.3
40°	5272.7	5312.4	5336.3	5344.3	5336.3	5312.4	5272.7	5217.8	5148.1	5064.1	4953.2
37.5°	5531.9	5567.2	5588.6	5595.7	5588.6	5567.2	5531.9	5483.1	5421.1	5346.8	5241.8
35°	5632.3	5640.0	5644.7	5646.3	5644.7	5640.0	5632.3	5621.5	5607.9	5575.7	5482.5
32.5°	5642.1	5641.0	5640.4	5640.2	5640.4	5641.0	5642.1	5643.5	5645.3	5637.3	5616.9
30°	5580.1	5563.3	5553.1	5549.7	5553.1	5563.3	5580.1	5603.1	5632.0	5642.0	5644.6
27.5°	5776.4	5850.1	5894.9	5910.0	5894.9	5850.1	5776.4	5675.4	5549.9	5587.4	5630.3
25°	8282.3	9199.4	9759.7	9948.2	9759.7	9199.4	8282.3	7031.1	5871.1	5707.6	5556.6
22.5°	17320.0	20799.5	22934.1	23653.9	22934.1	20799.5	17320.0	12600.3	9010.6	7002.4	5805.9
20°	34296.7	40672.4	44606.5	45937.2	44606.5	40672.4	34296.7	25715.2	18454.0	10966.7	7788.7
17.5°	61223.1	73585.7	81276.9	83890.1	81276.9	73585.7	61223.1	45244.5	33534.5	21488.8	12397.8
15°	99991.4	119669.9	132059.9	136298.5	132059.9	119669.9	99991.4	76848.2	54540.6	36216.5	21488.8
12.5°	147669.5	176614.3	196387.0	203421.3	196387.0	176614.3	147669.5	116217.3	82266.2	54540.6	33534.5
10°	204083.6	242404.1	267390.4	276152.2	267390.4	242404.1	204083.6	158718.6	116217.3	76848.2	45244.5
7.5°	259144.6	304639.7	338197.9	350343.3	338197.9	304639.7	259144.6	204083.6	147669.5	99991.4	61223.1
5°	304639.7	363391.6	399415.4	410802.6	399415.4	363391.6	304639.7	242404.1	176614.3	119669.9	73585.7
2.5°	338197.9	399415.4	438356.5	458548.0	438356.5	399415.4	338197.9	267390.4	196387.0	132059.9	81276.9
0°	350343.3	410802.6	458548.0	492820.8	458548.0	410802.6	350343.3	276152.2	203421.3	136298.5	83890.1
-2.5°	338197.9	399415.4	438356.5	458548.0	438356.5	399415.4	338197.9	267390.4	196387.0	132059.9	81276.9
-5°	304639.7	363391.6	399415.4	410802.6	399415.4	363391.6	304639.7	242404.1	176614.3	119669.9	73585.7
-7.5°	259144.6	304639.7	338197.9	350343.3	338197.9	304639.7	259144.6	204083.6	147669.5	99991.4	61223.1
-10°	204083.6	242404.1	267390.4	276152.2	267390.4	242404.1	204083.6	158718.6	116217.3	76848.2	45244.5
-12.5°	147669.5	176614.3	196387.0	203421.3	196387.0	176614.3	147669.5	116217.3	82266.2	54540.6	33534.5
-15°	99991.4	119669.9	132059.9	136298.5	132059.9	119669.9	99991.4	76848.2	54540.6	36216.5	21488.8
-17.5°	61223.1	73585.7	81276.9	83890.1	81276.9	73585.7	61223.1	45244.5	33534.5	21488.8	12397.8
-20°	34296.7	40672.4	44606.5	45937.2	44606.5	40672.4	34296.7	25715.2	18454.0	10966.7	7788.7



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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°	17320.0	20799.5	22934.1	23653.9	22934.1	20799.5	17320.0	12600.3	9010.6	7002.4	5805.9
-25°	8282.3	9199.4	9759.7	9948.2	9759.7	9199.4	8282.3	7031.1	5871.1	5707.6	5556.6
-27.5°	5776.4	5850.1	5894.9	5910.0	5894.9	5850.1	5776.4	5675.4	5549.9	5587.4	5630.3
-30°	5580.1	5563.3	5553.1	5549.7	5553.1	5563.3	5580.1	5603.1	5632.0	5642.0	5644.6
-32.5°	5642.1	5641.0	5640.4	5640.2	5640.4	5641.0	5642.1	5643.5	5645.3	5637.3	5616.9
-35°	5632.3	5640.0	5644.7	5646.3	5644.7	5640.0	5632.3	5621.5	5607.9	5575.7	5482.5
-37.5°	5531.9	5567.2	5588.6	5595.7	5588.6	5567.2	5531.9	5483.1	5421.1	5346.8	5241.8
-40°	5272.7	5312.4	5336.3	5344.3	5336.3	5312.4	5272.7	5217.8	5148.1	5064.1	4953.2
-42.5°	4957.9	5001.3	5027.4	5036.2	5027.4	5001.3	4957.9	4897.6	4821.0	4728.6	4510.3
-45°	4427.0	4560.6	4641.3	4668.2	4641.3	4560.6	4427.0	4241.2	4004.7	3719.0	3375.4
-47.5°	3160.3	3311.3	3402.2	3432.6	3402.2	3311.3	3160.3	2950.4	2682.9	2359.3	1981.7
-50°	1881.9	1898.5	1908.5	1911.8	1908.5	1898.5	1881.9	1858.8	1829.3	1793.6	1751.9
-52.5°	1721.9	1726.0	1728.5	1729.3	1728.5	1726.0	1721.9	1716.3	1709.0	1700.2	1689.9
-55°	1657.4	1670.1	1677.7	1680.3	1677.7	1670.1	1657.4	1639.7	1617.1	1589.6	1557.5
-57.5°	1483.3	1499.8	1509.8	1513.1	1509.8	1499.8	1483.3	1460.2	1430.7	1394.9	1353.0
-60°	1248.9	1262.8	1271.2	1274.0	1271.2	1262.8	1248.9	1229.4	1204.5	1174.3	1138.9
-62.5°	1028.1	1041.2	1049.1	1051.7	1049.1	1041.2	1028.1	1009.8	986.4	958.0	924.6
-65°	799.9	811.2	817.9	820.2	817.9	811.2	799.9	784.2	764.0	739.5	710.8
-67.5°	583.3	591.4	596.3	597.9	596.3	591.4	583.3	572.1	557.6	540.0	519.4
-70°	406.4	413.1	417.1	418.5	417.1	413.1	406.4	397.0	384.9	370.3	353.0
-72.5°	240.0	244.6	247.5	248.4	247.5	244.6	240.0	233.4	225.0	214.8	202.9
-75°	108.6	110.4	111.5	111.9	111.5	110.4	108.6	106.0	102.8	98.8	94.1
-77.5°	48.3	48.7	49.0	49.1	49.0	48.7	48.3	47.7	46.9	45.9	44.8
-80°	30.3	30.5	30.7	30.7	30.7	30.5	30.3	30.0	29.7	29.2	28.7
-82.5°	19.7	19.8	19.9	19.9	19.9	19.8	19.7	19.6	19.5	19.3	19.0
-85°	13.7	13.8	13.8	13.8	13.8	13.8	13.7	13.7	13.6	13.5	13.4
-87.5°	9.1	9.2	9.2	9.2	9.2	9.2	9.1	9.1	9.0	8.9	8.8
-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°	8.6	8.5	8.3	8.2	8.0	7.8	7.5	7.3	7.0	6.8	6.5
85°	13.2	13.1	12.9	12.8	12.6	12.4	12.1	11.9	11.6	11.4	11.1
82.5°	18.8	18.5	18.2	17.8	17.4	17.0	16.6	16.1	15.6	15.1	14.5
80°	28.1	27.4	26.6	25.8	24.9	23.9	22.8	21.7	20.5	19.5	18.8
77.5°	43.5	42.0	40.4	38.6	36.6	34.5	32.3	30.2	28.7	27.2	25.5
75°	88.7	82.6	75.9	68.5	60.5	51.8	47.2	44.3	41.3	38.1	34.7
72.5°	189.1	173.6	156.4	137.5	117.1	104.1	93.3	81.8	69.6	56.9	47.5
70°	333.3	311.0	286.3	259.3	233.6	208.3	181.2	152.5	122.2	102.0	86.7
67.5°	495.7	469.1	439.6	407.8	374.6	338.9	300.7	260.2	223.7	187.7	150.1
65°	677.8	640.8	599.8	563.2	523.9	481.7	436.8	390.6	342.9	293.0	242.3
62.5°	886.4	843.5	797.0	747.1	693.1	635.2	578.2	525.4	469.8	411.9	354.3
60°	1098.3	1052.8	1000.4	943.2	881.2	815.0	747.1	675.3	599.8	535.6	469.1
57.5°	1305.0	1252.8	1197.6	1137.3	1072.2	1000.4	923.2	841.6	758.4	672.3	585.6
55°	1520.8	1465.3	1400.4	1329.6	1254.8	1178.9	1098.3	1011.7	918.8	821.8	724.8
52.5°	1673.2	1628.4	1579.0	1525.3	1447.7	1359.3	1266.2	1174.3	1078.1	974.7	866.2
50°	1722.6	1708.4	1692.7	1664.3	1601.8	1535.0	1443.5	1337.2	1229.4	1121.8	1008.6
47.5°	1868.6	1811.1	1747.9	1715.9	1696.1	1662.6	1586.8	1504.5	1385.6	1262.8	1143.8
45°	2910.1	2392.1	1901.3	1827.5	1748.4	1711.9	1688.1	1621.7	1533.0	1410.0	1274.0
42.5°	4101.4	3647.1	3084.8	2423.9	1888.4	1798.6	1722.5	1695.9	1639.3	1541.7	1410.0
40°	4821.6	4675.7	4158.8	3582.7	2861.2	2061.7	1829.0	1727.9	1698.6	1639.3	1533.0
37.5°	5122.8	4982.5	4811.5	4532.6	3876.5	3127.4	2235.6	1839.3	1727.9	1695.9	1621.7
35°	5377.6	5243.6	5090.0	4904.0	4695.7	4025.0	3216.7	2235.6	1829.0	1722.5	1688.1
32.5°	5587.9	5463.6	5326.0	5150.3	4950.8	4718.5	4025.0	3127.4	2061.7	1798.6	1711.9
30°	5635.5	5608.7	5516.3	5363.4	5170.6	4950.8	4695.7	3876.5	2861.2	1888.4	1748.4
27.5°	5642.7	5646.2	5616.0	5534.0	5363.4	5150.3	4904.0	4532.6	3582.7	2423.9	1827.5
25°	5607.9	5641.8	5645.8	5616.0	5516.3	5326.0	5090.0	4811.5	4158.8	3084.8	1901.3
22.5°	5585.1	5600.4	5641.8	5646.2	5608.7	5463.6	5243.6	4982.5	4675.7	3647.1	2392.1
20°	5839.3	5585.1	5607.9	5642.7	5635.5	5587.9	5377.6	5122.8	4821.6	4101.4	2910.1
17.5°	7788.7	5805.9	5556.6	5630.3	5644.6	5616.9	5482.5	5241.8	4953.2	4510.3	3375.4
15°	10966.7	7002.4	5707.6	5587.4	5642.0	5637.3	5575.7	5346.8	5064.1	4728.6	3719.0
12.5°	18454.0	9010.6	5871.1	5549.9	5632.0	5645.3	5607.9	5421.1	5148.1	4821.0	4004.7
10°	25715.2	12600.3	7031.1	5675.4	5603.1	5643.5	5621.5	5483.1	5217.8	4897.6	4241.2
7.5°	34296.7	17320.0	8282.3	5776.4	5580.1	5642.1	5632.3	5531.9	5272.7	4957.9	4427.0
5°	40672.4	20799.5	9199.4	5850.1	5563.3	5641.0	5640.0	5567.2	5312.4	5001.3	4560.6
2.5°	44606.5	22934.1	9759.7	5894.9	5553.1	5640.4	5644.7	5588.6	5336.3	5027.4	4641.3
0°	45937.2	23653.9	9948.2	5910.0	5549.7	5640.2	5646.3	5595.7	5344.3	5036.2	4668.2
-2.5°	44606.5	22934.1	9759.7	5894.9	5553.1	5640.4	5644.7	5588.6	5336.3	5027.4	4641.3
-5°	40672.4	20799.5	9199.4	5850.1	5563.3	5641.0	5640.0	5567.2	5312.4	5001.3	4560.6
-7.5°	34296.7	17320.0	8282.3	5776.4	5580.1	5642.1	5632.3	5531.9	5272.7	4957.9	4427.0
-10°	25715.2	12600.3	7031.1	5675.4	5603.1	5643.5	5621.5	5483.1	5217.8	4897.6	4241.2
-12.5°	18454.0	9010.6	5871.1	5549.9	5632.0	5645.3	5607.9	5421.1	5148.1	4821.0	4004.7
-15°	10966.7	7002.4	5707.6	5587.4	5642.0	5637.3	5575.7	5346.8	5064.1	4728.6	3719.0
-17.5°	7788.7	5805.9	5556.6	5630.3	5644.6	5616.9	5482.5	5241.8	4953.2	4510.3	3375.4
-20°	5839.3	5585.1	5607.9	5642.7	5635.5	5587.9	5377.6	5122.8	4821.6	4101.4	2910.1



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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°	5585.1	5600.4	5641.8	5646.2	5608.7	5463.6	5243.6	4982.5	4675.7	3647.1	2392.1
-25°	5607.9	5641.8	5645.8	5616.0	5516.3	5326.0	5090.0	4811.5	4158.8	3084.8	1901.3
-27.5°	5642.7	5646.2	5616.0	5534.0	5363.4	5150.3	4904.0	4532.6	3582.7	2423.9	1827.5
-30°	5635.5	5608.7	5516.3	5363.4	5170.6	4950.8	4695.7	3876.5	2861.2	1888.4	1748.4
-32.5°	5587.9	5463.6	5326.0	5150.3	4950.8	4718.5	4025.0	3127.4	2061.7	1798.6	1711.9
-35°	5377.6	5243.6	5090.0	4904.0	4695.7	4025.0	3216.7	2235.6	1829.0	1722.5	1688.1
-37.5°	5122.8	4982.5	4811.5	4532.6	3876.5	3127.4	2235.6	1839.3	1727.9	1695.9	1621.7
-40°	4821.6	4675.7	4158.8	3582.7	2861.2	2061.7	1829.0	1727.9	1698.6	1639.3	1533.0
-42.5°	4101.4	3647.1	3084.8	2423.9	1888.4	1798.6	1722.5	1695.9	1639.3	1541.7	1410.0
-45°	2910.1	2392.1	1901.3	1827.5	1748.4	1711.9	1688.1	1621.7	1533.0	1410.0	1274.0
-47.5°	1868.6	1811.1	1747.9	1715.9	1696.1	1662.6	1586.8	1504.5	1385.6	1262.8	1143.8
-50°	1722.6	1708.4	1692.7	1664.3	1601.8	1535.0	1443.5	1337.2	1229.4	1121.8	1008.6
-52.5°	1673.2	1628.4	1579.0	1525.3	1447.7	1359.3	1266.2	1174.3	1078.1	974.7	866.2
-55°	1520.8	1465.3	1400.4	1329.6	1254.8	1178.9	1098.3	1011.7	918.8	821.8	724.8
-57.5°	1305.0	1252.8	1197.6	1137.3	1072.2	1000.4	923.2	841.6	758.4	672.3	585.6
-60°	1098.3	1052.8	1000.4	943.2	881.2	815.0	747.1	675.3	599.8	535.6	469.1
-62.5°	886.4	843.5	797.0	747.1	693.1	635.2	578.2	525.4	469.8	411.9	354.3
-65°	677.8	640.8	599.8	563.2	523.9	481.7	436.8	390.6	342.9	293.0	242.3
-67.5°	495.7	469.1	439.6	407.8	374.6	338.9	300.7	260.2	223.7	187.7	150.1
-70°	333.3	311.0	286.3	259.3	233.6	208.3	181.2	152.5	122.2	102.0	86.7
-72.5°	189.1	173.6	156.4	137.5	117.1	104.1	93.3	81.8	69.6	56.9	47.5
-75°	88.7	82.6	75.9	68.5	60.5	51.8	47.2	44.3	41.3	38.1	34.7
-77.5°	43.5	42.0	40.4	38.6	36.6	34.5	32.3	30.2	28.7	27.2	25.5
-80°	28.1	27.4	26.6	25.8	24.9	23.9	22.8	21.7	20.5	19.5	18.8
-82.5°	18.8	18.5	18.2	17.8	17.4	17.0	16.6	16.1	15.6	15.1	14.5
-85°	13.2	13.1	12.9	12.8	12.6	12.4	12.1	11.9	11.6	11.4	11.1
-87.5°	8.6	8.5	8.3	8.2	8.0	7.8	7.5	7.3	7.0	6.8	6.5
-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: P1305408 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-57-80-2S-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°	6.2	5.9	5.6	5.3	4.9	4.6	4.2	3.9	3.5	3.1	2.8
85°	10.8	10.5	10.2	9.9	9.5	9.2	8.5	7.8	7.0	6.3	5.5
82.5°	13.9	13.5	13.0	12.5	12.0	11.5	11.0	10.4	9.9	9.3	8.3
80°	18.0	17.2	16.4	15.5	14.7	13.8	13.1	12.3	11.6	10.9	10.1
77.5°	23.8	22.0	20.2	19.0	17.9	16.8	15.6	14.4	13.3	12.4	11.5
75°	31.2	28.9	26.7	24.4	22.0	19.7	18.3	16.9	15.5	14.0	12.8
72.5°	43.4	39.1	34.7	30.4	27.7	24.9	22.0	19.4	17.7	16.0	14.3
70°	70.7	54.1	45.5	40.4	35.0	30.0	26.8	23.4	20.0	18.0	16.0
67.5°	111.5	92.8	73.5	53.6	44.4	38.3	32.0	27.7	23.9	20.0	17.7
65°	198.7	153.5	109.6	87.5	64.8	46.9	39.9	32.8	27.7	23.4	19.4
62.5°	294.5	235.6	184.3	131.4	95.9	70.4	47.7	39.9	32.0	26.8	22.0
60°	401.0	333.3	263.4	202.9	143.8	98.8	70.4	46.9	38.3	30.0	24.9
57.5°	510.7	433.2	356.7	279.0	209.1	143.8	95.9	64.8	44.4	35.0	27.7
55°	624.5	535.8	449.8	364.6	279.0	202.9	131.4	87.5	53.6	40.4	30.4
52.5°	756.6	645.5	544.2	449.8	356.7	263.4	184.3	109.6	73.5	45.5	34.7
50°	888.6	767.2	645.5	535.8	433.2	333.3	235.6	153.5	92.8	54.1	39.1
47.5°	1019.9	888.6	756.6	624.5	510.7	401.0	294.5	198.7	111.5	70.7	43.4
45°	1143.8	1008.6	866.2	724.8	585.6	469.1	354.3	242.3	150.1	86.7	47.5
42.5°	1262.8	1121.8	974.7	821.8	672.3	535.6	411.9	293.0	187.7	102.0	56.9
40°	1385.6	1229.4	1078.1	918.8	758.4	599.8	469.8	342.9	223.7	122.2	69.6
37.5°	1504.5	1337.2	1174.3	1011.7	841.6	675.3	525.4	390.6	260.2	152.5	81.8
35°	1586.8	1443.5	1266.2	1098.3	923.2	747.1	578.2	436.8	300.7	181.2	93.3
32.5°	1662.6	1535.0	1359.3	1178.9	1000.4	815.0	635.2	481.7	338.9	208.3	104.1
30°	1696.1	1601.8	1447.7	1254.8	1072.2	881.2	693.1	523.9	374.6	233.6	117.1
27.5°	1715.9	1664.3	1525.3	1329.6	1137.3	943.2	747.1	563.2	407.8	259.3	137.5
25°	1747.9	1692.7	1579.0	1400.4	1197.6	1000.4	797.0	599.8	439.6	286.3	156.4
22.5°	1811.1	1708.4	1628.4	1465.3	1252.8	1052.8	843.5	640.8	469.1	311.0	173.6
20°	1868.6	1722.6	1673.2	1520.8	1305.0	1098.3	886.4	677.8	495.7	333.3	189.1
17.5°	1981.7	1751.9	1689.9	1557.5	1353.0	1138.9	924.6	710.8	519.4	353.0	202.9
15°	2359.3	1793.6	1700.2	1589.6	1394.9	1174.3	958.0	739.5	540.0	370.3	214.8
12.5°	2682.9	1829.3	1709.0	1617.1	1430.7	1204.5	986.4	764.0	557.6	384.9	225.0
10°	2950.4	1858.8	1716.3	1639.7	1460.2	1229.4	1009.8	784.2	572.1	397.0	233.4
7.5°	3160.3	1881.9	1721.9	1657.4	1483.3	1248.9	1028.1	799.9	583.3	406.4	240.0
5°	3311.3	1898.5	1726.0	1670.1	1499.8	1262.8	1041.2	811.2	591.4	413.1	244.6
2.5°	3402.2	1908.5	1728.5	1677.7	1509.8	1271.2	1049.1	817.9	596.3	417.1	247.5
0°	<b>3432.6</b>	<b>1911.8</b>	<b>1729.3</b>	<b>1680.3</b>	<b>1513.1</b>	<b>1274.0</b>	<b>1051.7</b>	<b>820.2</b>	<b>597.9</b>	<b>418.5</b>	<b>248.4</b>
-2.5°	3402.2	1908.5	1728.5	1677.7	1509.8	1271.2	1049.1	817.9	596.3	417.1	247.5
-5°	3311.3	1898.5	1726.0	1670.1	1499.8	1262.8	1041.2	811.2	591.4	413.1	244.6
-7.5°	3160.3	1881.9	1721.9	1657.4	1483.3	1248.9	1028.1	799.9	583.3	406.4	240.0
-10°	2950.4	1858.8	1716.3	1639.7	1460.2	1229.4	1009.8	784.2	572.1	397.0	233.4
-12.5°	2682.9	1829.3	1709.0	1617.1	1430.7	1204.5	986.4	764.0	557.6	384.9	225.0
-15°	2359.3	1793.6	1700.2	1589.6	1394.9	1174.3	958.0	739.5	540.0	370.3	214.8
-17.5°	1981.7	1751.9	1689.9	1557.5	1353.0	1138.9	924.6	710.8	519.4	353.0	202.9
-20°	1868.6	1722.6	1673.2	1520.8	1305.0	1098.3	886.4	677.8	495.7	333.3	189.1



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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°	1811.1	1708.4	1628.4	1465.3	1252.8	1052.8	843.5	640.8	469.1	311.0	173.6
-25°	1747.9	1692.7	1579.0	1400.4	1197.6	1000.4	797.0	599.8	439.6	286.3	156.4
-27.5°	1715.9	1664.3	1525.3	1329.6	1137.3	943.2	747.1	563.2	407.8	259.3	137.5
-30°	1696.1	1601.8	1447.7	1254.8	1072.2	881.2	693.1	523.9	374.6	233.6	117.1
-32.5°	1662.6	1535.0	1359.3	1178.9	1000.4	815.0	635.2	481.7	338.9	208.3	104.1
-35°	1586.8	1443.5	1266.2	1098.3	923.2	747.1	578.2	436.8	300.7	181.2	93.3
-37.5°	1504.5	1337.2	1174.3	1011.7	841.6	675.3	525.4	390.6	260.2	152.5	81.8
-40°	1385.6	1229.4	1078.1	918.8	758.4	599.8	469.8	342.9	223.7	122.2	69.6
-42.5°	1262.8	1121.8	974.7	821.8	672.3	535.6	411.9	293.0	187.7	102.0	56.9
-45°	1143.8	1008.6	866.2	724.8	585.6	469.1	354.3	242.3	150.1	86.7	47.5
-47.5°	1019.9	888.6	756.6	624.5	510.7	401.0	294.5	198.7	111.5	70.7	43.4
-50°	888.6	767.2	645.5	535.8	433.2	333.3	235.6	153.5	92.8	54.1	39.1
-52.5°	756.6	645.5	544.2	449.8	356.7	263.4	184.3	109.6	73.5	45.5	34.7
-55°	624.5	535.8	449.8	364.6	279.0	202.9	131.4	87.5	53.6	40.4	30.4
-57.5°	510.7	433.2	356.7	279.0	209.1	143.8	95.9	64.8	44.4	35.0	27.7
-60°	401.0	333.3	263.4	202.9	143.8	98.8	70.4	46.9	38.3	30.0	24.9
-62.5°	294.5	235.6	184.3	131.4	95.9	70.4	47.7	39.9	32.0	26.8	22.0
-65°	198.7	153.5	109.6	87.5	64.8	46.9	39.9	32.8	27.7	23.4	19.4
-67.5°	111.5	92.8	73.5	53.6	44.4	38.3	32.0	27.7	23.9	20.0	17.7
-70°	70.7	54.1	45.5	40.4	35.0	30.0	26.8	23.4	20.0	18.0	16.0
-72.5°	43.4	39.1	34.7	30.4	27.7	24.9	22.0	19.4	17.7	16.0	14.3
-75°	31.2	28.9	26.7	24.4	22.0	19.7	18.3	16.9	15.5	14.0	12.8
-77.5°	23.8	22.0	20.2	19.0	17.9	16.8	15.6	14.4	13.3	12.4	11.5
-80°	18.0	17.2	16.4	15.5	14.7	13.8	13.1	12.3	11.6	10.9	10.1
-82.5°	13.9	13.5	13.0	12.5	12.0	11.5	11.0	10.4	9.9	9.3	8.3
-85°	10.8	10.5	10.2	9.9	9.5	9.2	8.5	7.8	7.0	6.3	5.5
-87.5°	6.2	5.9	5.6	5.3	4.9	4.6	4.2	3.9	3.5	3.1	2.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	2.4	2.0	1.6	1.2	0.8	0.4	0.0
85°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
82.5°	7.1	6.0	4.8	3.6	2.4	1.2	0.0
80°	9.3	7.9	6.4	4.8	3.2	1.6	0.0
77.5°	10.5	9.5	7.9	6.0	4.0	2.0	0.0
75°	11.7	10.5	9.3	7.1	4.8	2.4	0.0
72.5°	12.8	11.5	10.1	8.3	5.5	2.8	0.0
70°	14.0	12.4	10.9	9.3	6.3	3.1	0.0
67.5°	15.5	13.3	11.6	9.9	7.0	3.5	0.0
65°	16.9	14.4	12.3	10.4	7.8	3.9	0.0
62.5°	18.3	15.6	13.1	11.0	8.5	4.2	0.0
60°	19.7	16.8	13.8	11.5	9.2	4.6	0.0
57.5°	22.0	17.9	14.7	12.0	9.5	4.9	0.0
55°	24.4	19.0	15.5	12.5	9.9	5.3	0.0
52.5°	26.7	20.2	16.4	13.0	10.2	5.6	0.0
50°	28.9	22.0	17.2	13.5	10.5	5.9	0.0
47.5°	31.2	23.8	18.0	13.9	10.8	6.2	0.0
45°	34.7	25.5	18.8	14.5	11.1	6.5	0.0
42.5°	38.1	27.2	19.5	15.1	11.4	6.8	0.0
40°	41.3	28.7	20.5	15.6	11.6	7.0	0.0
37.5°	44.3	30.2	21.7	16.1	11.9	7.3	0.0
35°	47.2	32.3	22.8	16.6	12.1	7.5	0.0
32.5°	51.8	34.5	23.9	17.0	12.4	7.8	0.0
30°	60.5	36.6	24.9	17.4	12.6	8.0	0.0
27.5°	68.5	38.6	25.8	17.8	12.8	8.2	0.0
25°	75.9	40.4	26.6	18.2	12.9	8.3	0.0
22.5°	82.6	42.0	27.4	18.5	13.1	8.5	0.0
20°	88.7	43.5	28.1	18.8	13.2	8.6	0.0
17.5°	94.1	44.8	28.7	19.0	13.4	8.8	0.0
15°	98.8	45.9	29.2	19.3	13.5	8.9	0.0
12.5°	102.8	46.9	29.7	19.5	13.6	9.0	0.0
10°	106.0	47.7	30.0	19.6	13.7	9.1	0.0
7.5°	108.6	48.3	30.3	19.7	13.7	9.1	0.0
5°	110.4	48.7	30.5	19.8	13.8	9.2	0.0
2.5°	111.5	49.0	30.7	19.9	13.8	9.2	0.0
0°	111.9	49.1	30.7	19.9	13.8	9.2	0.0
-2.5°	111.5	49.0	30.7	19.9	13.8	9.2	0.0
-5°	110.4	48.7	30.5	19.8	13.8	9.2	0.0
-7.5°	108.6	48.3	30.3	19.7	13.7	9.1	0.0
-10°	106.0	47.7	30.0	19.6	13.7	9.1	0.0
-12.5°	102.8	46.9	29.7	19.5	13.6	9.0	0.0
-15°	98.8	45.9	29.2	19.3	13.5	8.9	0.0
-17.5°	94.1	44.8	28.7	19.0	13.4	8.8	0.0
-20°	88.7	43.5	28.1	18.8	13.2	8.6	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	82.6	42.0	27.4	18.5	13.1	8.5	0.0
-25°	75.9	40.4	26.6	18.2	12.9	8.3	0.0
-27.5°	68.5	38.6	25.8	17.8	12.8	8.2	0.0
-30°	60.5	36.6	24.9	17.4	12.6	8.0	0.0
-32.5°	51.8	34.5	23.9	17.0	12.4	7.8	0.0
-35°	47.2	32.3	22.8	16.6	12.1	7.5	0.0
-37.5°	44.3	30.2	21.7	16.1	11.9	7.3	0.0
-40°	41.3	28.7	20.5	15.6	11.6	7.0	0.0
-42.5°	38.1	27.2	19.5	15.1	11.4	6.8	0.0
-45°	34.7	25.5	18.8	14.5	11.1	6.5	0.0
-47.5°	31.2	23.8	18.0	13.9	10.8	6.2	0.0
-50°	28.9	22.0	17.2	13.5	10.5	5.9	0.0
-52.5°	26.7	20.2	16.4	13.0	10.2	5.6	0.0
-55°	24.4	19.0	15.5	12.5	9.9	5.3	0.0
-57.5°	22.0	17.9	14.7	12.0	9.5	4.9	0.0
-60°	19.7	16.8	13.8	11.5	9.2	4.6	0.0
-62.5°	18.3	15.6	13.1	11.0	8.5	4.2	0.0
-65°	16.9	14.4	12.3	10.4	7.8	3.9	0.0
-67.5°	15.5	13.3	11.6	9.9	7.0	3.5	0.0
-70°	14.0	12.4	10.9	9.3	6.3	3.1	0.0
-72.5°	12.8	11.5	10.1	8.3	5.5	2.8	0.0
-75°	11.7	10.5	9.3	7.1	4.8	2.4	0.0
-77.5°	10.5	9.5	7.9	6.0	4.0	2.0	0.0
-80°	9.3	7.9	6.4	4.8	3.2	1.6	0.0
-82.5°	7.1	6.0	4.8	3.6	2.4	1.2	0.0
-85°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
-87.5°	2.4	2.0	1.6	1.2	0.8	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)