

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: P1305420 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680R-40-80-2S-HEG-A**

Issue Date: 2/3/2026

Test Information

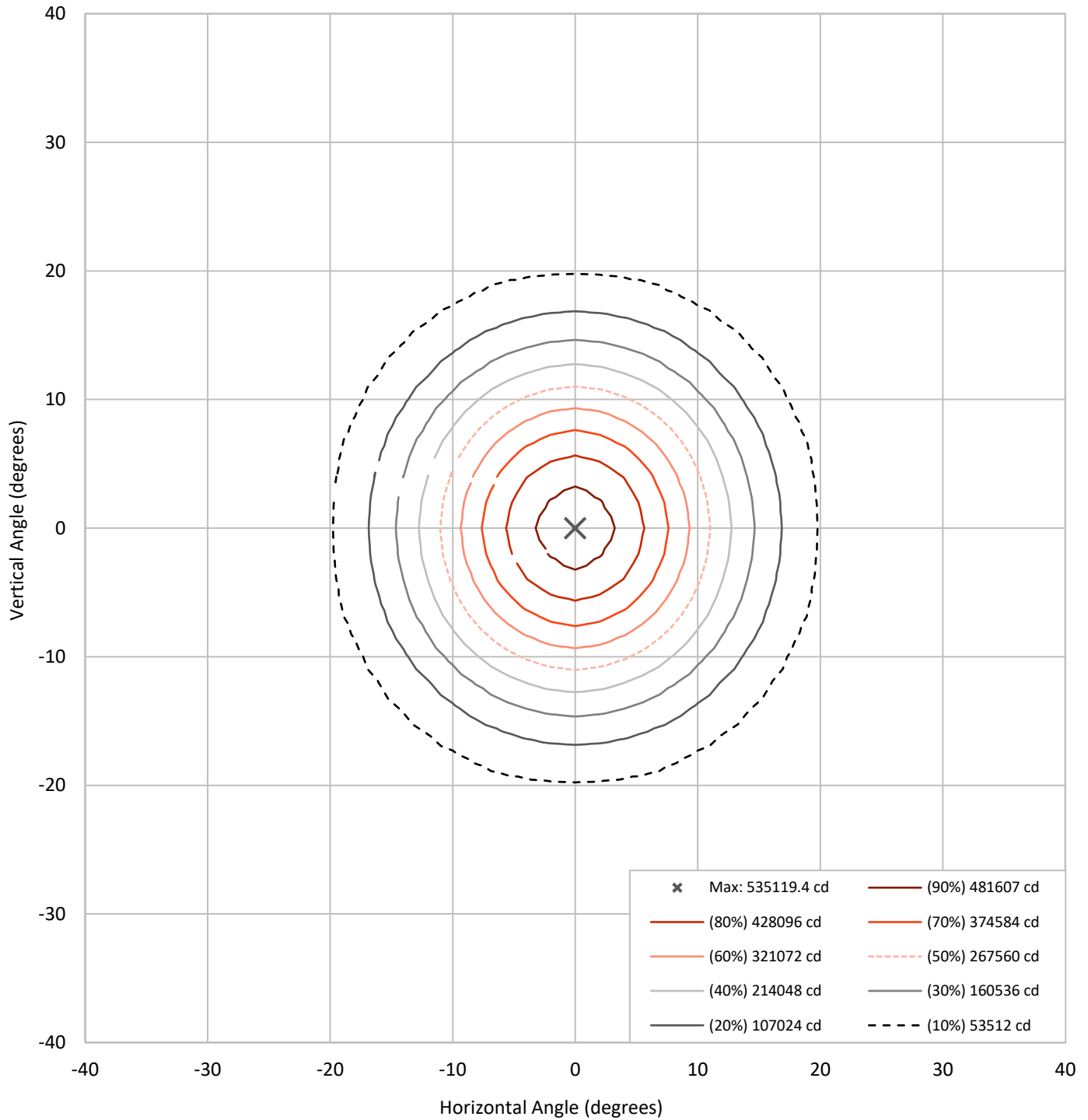
Test Method: LM-79-08
Report Number: P1305420 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-2)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-680R-40-80-2S-HEG-A
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 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:	96391.9 lumens	Max Intensity:	535119.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	135.6 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:	42602 lumens	Field Lumens:	79122.1 lumens
Beam Efficiency:	44.2%	Field Efficiency:	82.1%
Input Watts (W):	711		
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





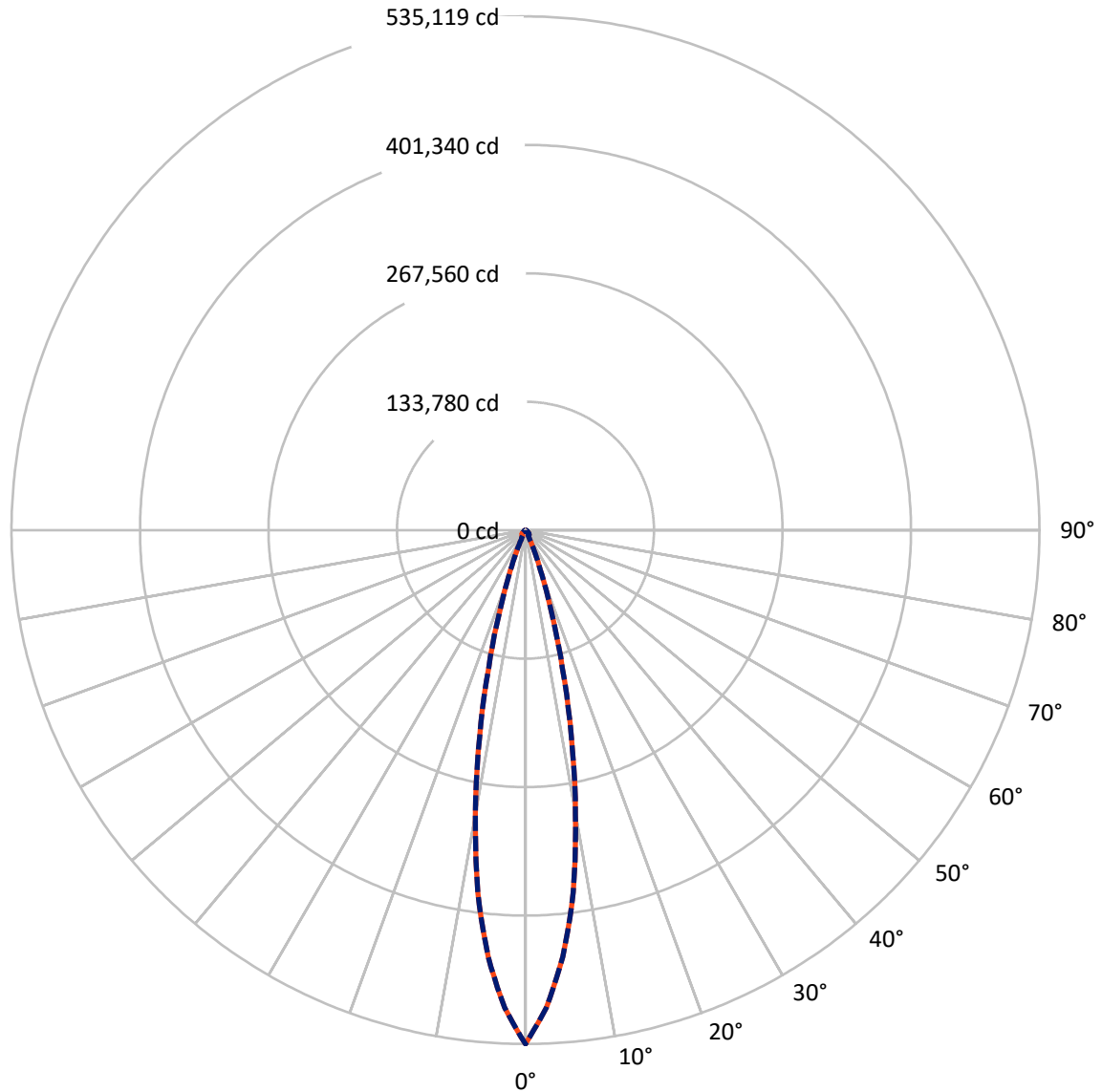
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Lumen Table

90	0.2	1.0		3.4		8.5		11.2		8.5		3.4		1.0		0.2			
80	0.2	1.0		3.4		8.5		11.2		8.5		3.4		1.0		0.2			
70	0.4	0.5	2.0	6.1	12.1	18.5	23.9	26.9	26.9	23.9	18.5	12.1	6.1	2.0	0.5	0.4			
60		1.5	7.1	17.2	29.6	41.2	49.1	53.2	53.2	49.1	41.2	29.6	17.2	7.1	1.5				
50	1.1	3.7	14.0	29.8	45.3	73.5	112.5	134.7	134.7	112.5	73.5	45.3	29.8	14.0	3.7	1.1			
40		6.4	20.9	39.2	86.6	148.7	174.2	183.2	183.2	174.2	148.7	86.6	39.2	20.9	6.4				
30	2.5	8.9	26.3	57.9	134.6	167.5	229.0	467.3	467.3	229.0	167.5	134.6	57.9	26.3	8.9	2.5			
20		10.8	29.4	83.5	147.9	215.5	1363.3	4039.7	4039.7	1363.3	215.5	147.9	83.5	29.4	10.8				
10	3.1	11.8	30.8	96.7	150.7	430.7	3937.1	11072.4	11072.4	3937.1	430.7	150.7	96.7	30.8	11.8	3.1			
0		11.8	30.8	96.7	150.7	430.7	3937.1	11072.4	11072.4	3937.1	430.7	150.7	96.7	30.8	11.8				
-10	2.5	10.8	29.4	83.5	147.9	215.5	1363.3	4039.7	4039.7	1363.3	215.5	147.9	83.5	29.4	10.8	2.5			
-20		8.9	26.3	57.9	134.6	167.5	229.0	467.3	467.3	229.0	167.5	134.6	57.9	26.3	8.9				
-30	1.1	6.4	20.9	39.2	86.6	148.7	174.2	183.2	183.2	174.2	148.7	86.6	39.2	20.9	6.4	1.1			
-40		3.7	14.0	29.8	45.3	73.5	112.5	134.7	134.7	112.5	73.5	45.3	29.8	14.0	3.7				
-50	0.4	1.5	7.1	17.2	29.6	41.2	49.1	53.2	53.2	49.1	41.2	29.6	17.2	7.1	1.5	0.4			
-60		0.5	2.0	6.1	12.1	18.5	23.9	26.9	26.9	23.9	18.5	12.1	6.1	2.0	0.5				
-70	0.2	1.0		3.4		8.5		11.2		8.5		3.4		1.0		0.2			
-80		1.0		3.4		8.5		11.2		8.5		3.4		1.0					
-90	0.2	1.0		3.4		8.5		11.2		8.5		3.4		1.0		0.2			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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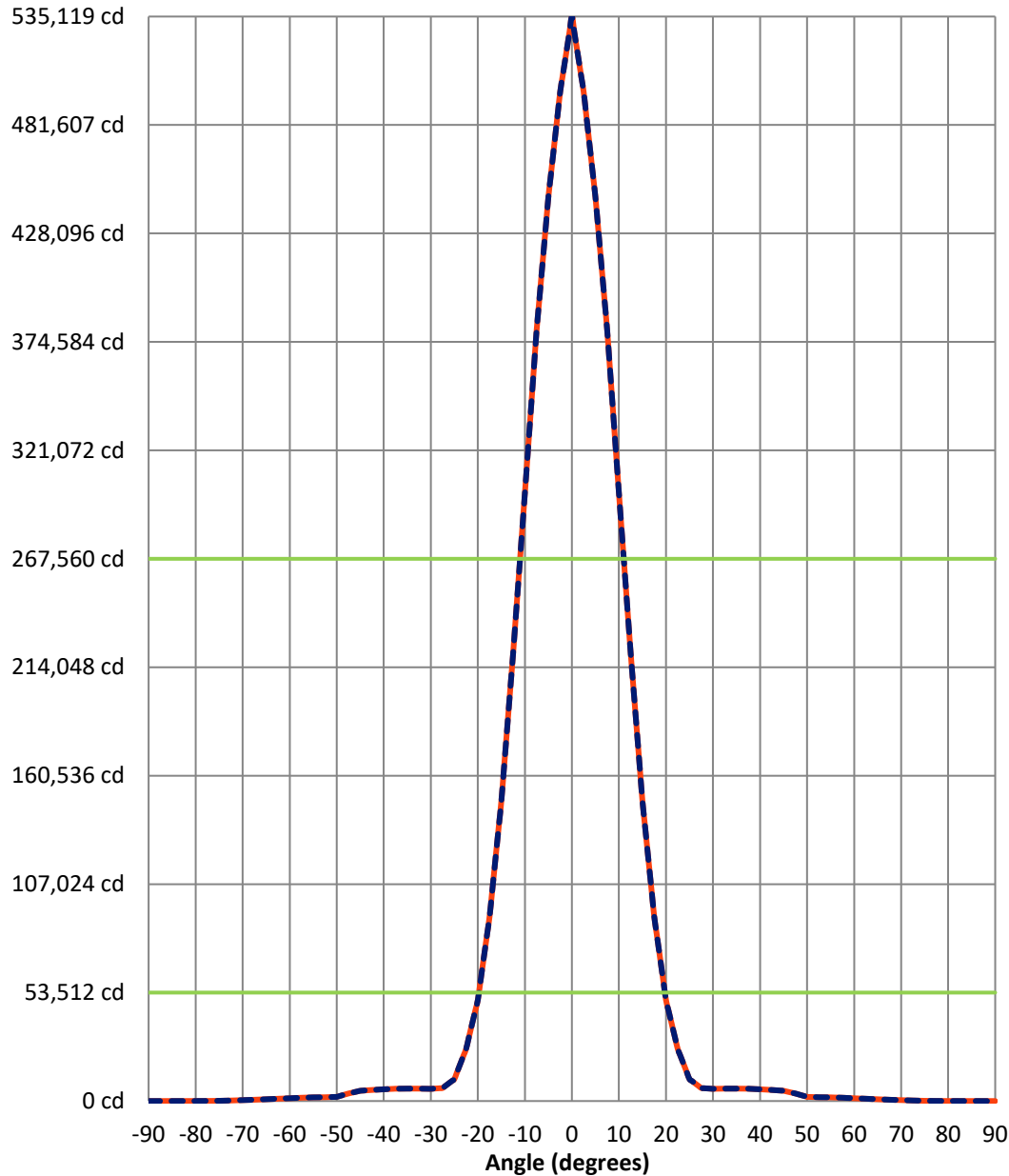
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 22°
 V Angle: 22°
 Lumens: 42602
 Efficiency: 44.2%

Field:
 H Angle: 39.6°
 V Angle: 39.6°
 Lumens: 79122.1
 Efficiency: 82.1%

Spill:
 Lumens: 17269.8
 Efficiency: 17.9%

— 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	0.4	0.9	1.3	1.7	2.2	2.6	3.0	3.4	3.8	4.2
85°	0.0	0.9	1.7	2.6	3.5	4.3	5.2	6.0	6.8	7.6	8.4
82.5°	0.0	1.3	2.6	3.9	5.2	6.5	7.7	9.0	10.1	10.7	11.3
80°	0.0	1.7	3.5	5.2	6.9	8.6	10.2	11.0	11.8	12.6	13.4
77.5°	0.0	2.2	4.3	6.5	8.6	10.4	11.4	12.5	13.5	14.5	15.7
75°	0.0	2.6	5.2	7.7	10.2	11.4	12.7	13.9	15.2	16.8	18.4
72.5°	0.0	3.0	6.0	9.0	11.0	12.5	13.9	15.5	17.4	19.2	21.1
70°	0.0	3.4	6.8	10.1	11.8	13.5	15.2	17.4	19.5	21.7	25.4
67.5°	0.0	3.8	7.6	10.7	12.6	14.5	16.8	19.2	21.7	25.9	30.1
65°	0.0	4.2	8.4	11.3	13.4	15.7	18.4	21.1	25.4	30.1	35.6
62.5°	0.0	4.6	9.2	11.9	14.2	16.9	19.9	23.9	29.0	34.7	43.3
60°	0.0	5.0	10.0	12.5	15.0	18.2	21.4	27.0	32.6	41.5	50.9
57.5°	0.0	5.4	10.4	13.0	15.9	19.4	23.9	30.0	38.0	48.2	70.3
55°	0.0	5.7	10.7	13.6	16.9	20.6	26.5	33.0	43.8	58.2	95.0
52.5°	0.0	6.1	11.1	14.1	17.8	21.9	28.9	37.7	49.4	79.8	119.0
50°	0.0	6.4	11.4	14.6	18.7	23.9	31.3	42.5	58.8	100.8	166.7
47.5°	0.0	6.8	11.8	15.2	19.6	25.9	33.9	47.1	76.8	121.0	215.7
45°	0.0	7.1	12.1	15.8	20.4	27.7	37.7	51.5	94.1	163.0	263.0
42.5°	0.0	7.4	12.4	16.4	21.2	29.5	41.3	61.7	110.7	203.8	318.1
40°	0.0	7.7	12.7	16.9	22.3	31.2	44.8	75.6	132.7	242.8	372.4
37.5°	0.0	7.9	12.9	17.5	23.6	32.8	48.1	88.8	165.6	282.6	424.2
35°	0.0	8.2	13.2	18.0	24.8	35.0	51.2	101.3	196.8	326.5	474.3
32.5°	0.0	8.4	13.4	18.5	25.9	37.4	56.3	113.1	226.2	368.0	523.1
30°	0.0	8.7	13.7	18.9	27.0	39.7	65.6	127.1	253.7	406.8	568.9
27.5°	0.0	8.9	13.9	19.4	28.0	41.8	74.4	149.3	281.6	442.9	611.5
25°	0.0	9.1	14.1	19.7	28.9	43.8	82.4	169.8	310.9	477.4	651.2
22.5°	0.0	9.2	14.2	20.1	29.7	45.6	89.7	188.5	337.7	509.4	695.8
20°	0.0	9.4	14.4	20.4	30.5	47.2	96.3	205.3	361.9	538.3	736.0
17.5°	0.0	9.5	14.5	20.7	31.1	48.6	102.1	220.2	383.4	564.0	771.8
15°	0.0	9.7	14.7	20.9	31.7	49.8	107.2	233.3	402.1	586.4	803.0
12.5°	0.0	9.8	14.8	21.1	32.2	50.9	111.6	244.3	418.0	605.5	829.6
10°	0.0	9.8	14.8	21.3	32.6	51.8	115.1	253.4	431.1	621.2	851.5
7.5°	0.0	9.9	14.9	21.4	32.9	52.4	117.9	260.5	441.3	633.4	868.5
5°	0.0	10.0	15.0	21.5	33.1	52.9	119.9	265.6	448.6	642.2	880.8
2.5°	0.0	10.0	15.0	21.6	33.3	53.2	121.1	268.7	453.0	647.4	888.1
0°	0.0	10.0	15.0	21.6	33.3	53.3	121.5	269.7	454.5	649.2	890.6
-2.5°	0.0	10.0	15.0	21.6	33.3	53.2	121.1	268.7	453.0	647.4	888.1
-5°	0.0	10.0	15.0	21.5	33.1	52.9	119.9	265.6	448.6	642.2	880.8
-7.5°	0.0	9.9	14.9	21.4	32.9	52.4	117.9	260.5	441.3	633.4	868.5
-10°	0.0	9.8	14.8	21.3	32.6	51.8	115.1	253.4	431.1	621.2	851.5
-12.5°	0.0	9.8	14.8	21.1	32.2	50.9	111.6	244.3	418.0	605.5	829.6
-15°	0.0	9.7	14.7	20.9	31.7	49.8	107.2	233.3	402.1	586.4	803.0
-17.5°	0.0	9.5	14.5	20.7	31.1	48.6	102.1	220.2	383.4	564.0	771.8
-20°	0.0	9.4	14.4	20.4	30.5	47.2	96.3	205.3	361.9	538.3	736.0



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 CATALOG NUMBER: EPH-08-680R-40-80-2S-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	9.2	14.2	20.1	29.7	45.6	89.7	188.5	337.7	509.4	695.8
-25°	0.0	9.1	14.1	19.7	28.9	43.8	82.4	169.8	310.9	477.4	651.2
-27.5°	0.0	8.9	13.9	19.4	28.0	41.8	74.4	149.3	281.6	442.9	611.5
-30°	0.0	8.7	13.7	18.9	27.0	39.7	65.6	127.1	253.7	406.8	568.9
-32.5°	0.0	8.4	13.4	18.5	25.9	37.4	56.3	113.1	226.2	368.0	523.1
-35°	0.0	8.2	13.2	18.0	24.8	35.0	51.2	101.3	196.8	326.5	474.3
-37.5°	0.0	7.9	12.9	17.5	23.6	32.8	48.1	88.8	165.6	282.6	424.2
-40°	0.0	7.7	12.7	16.9	22.3	31.2	44.8	75.6	132.7	242.8	372.4
-42.5°	0.0	7.4	12.4	16.4	21.2	29.5	41.3	61.7	110.7	203.8	318.1
-45°	0.0	7.1	12.1	15.8	20.4	27.7	37.7	51.5	94.1	163.0	263.0
-47.5°	0.0	6.8	11.8	15.2	19.6	25.9	33.9	47.1	76.8	121.0	215.7
-50°	0.0	6.4	11.4	14.6	18.7	23.9	31.3	42.5	58.8	100.8	166.7
-52.5°	0.0	6.1	11.1	14.1	17.8	21.9	28.9	37.7	49.4	79.8	119.0
-55°	0.0	5.7	10.7	13.6	16.9	20.6	26.5	33.0	43.8	58.2	95.0
-57.5°	0.0	5.4	10.4	13.0	15.9	19.4	23.9	30.0	38.0	48.2	70.3
-60°	0.0	5.0	10.0	12.5	15.0	18.2	21.4	27.0	32.6	41.5	50.9
-62.5°	0.0	4.6	9.2	11.9	14.2	16.9	19.9	23.9	29.0	34.7	43.3
-65°	0.0	4.2	8.4	11.3	13.4	15.7	18.4	21.1	25.4	30.1	35.6
-67.5°	0.0	3.8	7.6	10.7	12.6	14.5	16.8	19.2	21.7	25.9	30.1
-70°	0.0	3.4	6.8	10.1	11.8	13.5	15.2	17.4	19.5	21.7	25.4
-72.5°	0.0	3.0	6.0	9.0	11.0	12.5	13.9	15.5	17.4	19.2	21.1
-75°	0.0	2.6	5.2	7.7	10.2	11.4	12.7	13.9	15.2	16.8	18.4
-77.5°	0.0	2.2	4.3	6.5	8.6	10.4	11.4	12.5	13.5	14.5	15.7
-80°	0.0	1.7	3.5	5.2	6.9	8.6	10.2	11.0	11.8	12.6	13.4
-82.5°	0.0	1.3	2.6	3.9	5.2	6.5	7.7	9.0	10.1	10.7	11.3
-85°	0.0	0.9	1.7	2.6	3.5	4.3	5.2	6.0	6.8	7.6	8.4
-87.5°	0.0	0.4	0.9	1.3	1.7	2.2	2.6	3.0	3.4	3.8	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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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°	4.6	5.0	5.4	5.7	6.1	6.4	6.8	7.1	7.4	7.7	7.9
85°	9.2	10.0	10.4	10.7	11.1	11.4	11.8	12.1	12.4	12.7	12.9
82.5°	11.9	12.5	13.0	13.6	14.1	14.6	15.2	15.8	16.4	16.9	17.5
80°	14.2	15.0	15.9	16.9	17.8	18.7	19.6	20.4	21.2	22.3	23.6
77.5°	16.9	18.2	19.4	20.6	21.9	23.9	25.9	27.7	29.5	31.2	32.8
75°	19.9	21.4	23.9	26.5	28.9	31.3	33.9	37.7	41.3	44.8	48.1
72.5°	23.9	27.0	30.0	33.0	37.7	42.5	47.1	51.5	61.7	75.6	88.8
70°	29.0	32.6	38.0	43.8	49.4	58.8	76.8	94.1	110.7	132.7	165.6
67.5°	34.7	41.5	48.2	58.2	79.8	100.8	121.0	163.0	203.8	242.8	282.6
65°	43.3	50.9	70.3	95.0	119.0	166.7	215.7	263.0	318.1	372.4	424.2
62.5°	51.8	76.4	104.2	142.7	200.1	255.8	319.7	384.8	447.4	510.2	570.5
60°	76.4	107.2	156.1	220.2	286.0	361.9	435.5	509.4	581.6	651.2	733.3
57.5°	104.2	156.1	227.0	302.9	387.4	470.4	554.5	635.9	730.0	823.5	913.8
55°	142.7	220.2	302.9	395.9	488.5	581.8	678.1	787.0	892.3	997.7	1098.6
52.5°	200.1	286.0	387.4	488.5	590.9	700.9	821.5	940.5	1058.4	1170.7	1275.1
50°	255.8	361.9	470.4	581.8	700.9	833.1	964.8	1095.1	1218.1	1334.9	1452.0
47.5°	319.7	435.5	554.5	678.1	821.5	964.8	1107.5	1242.0	1371.2	1504.5	1633.7
45°	384.8	509.4	635.9	787.0	940.5	1095.1	1242.0	1383.3	1531.0	1664.6	1760.9
42.5°	447.4	581.6	730.0	892.3	1058.4	1218.1	1371.2	1531.0	1674.0	1780.0	1841.5
40°	510.2	651.2	823.5	997.7	1170.7	1334.9	1504.5	1664.6	1780.0	1844.3	1876.1
37.5°	570.5	733.3	913.8	1098.6	1275.1	1452.0	1633.7	1760.9	1841.5	1876.1	1997.1
35°	627.8	811.2	1002.4	1192.6	1374.8	1567.4	1723.0	1832.9	1870.3	1986.0	2427.4
32.5°	689.7	885.0	1086.3	1280.1	1476.0	1666.8	1805.3	1858.8	1952.9	2238.5	3395.7
30°	752.6	956.9	1164.3	1362.5	1572.0	1739.3	1841.7	1898.4	2050.5	3106.8	4209.2
27.5°	811.2	1024.1	1234.9	1443.7	1656.2	1807.2	1863.2	1984.3	2631.9	3890.2	4921.7
25°	865.4	1086.3	1300.4	1520.6	1714.5	1837.9	1897.9	2064.4	3349.6	4515.7	5224.5
22.5°	915.9	1143.2	1360.3	1591.0	1768.1	1855.0	1966.5	2597.3	3960.1	5077.0	5410.1
20°	962.5	1192.6	1417.0	1651.3	1816.7	1870.4	2028.9	3159.9	4453.5	5235.4	5562.5
17.5°	1004.0	1236.6	1469.1	1691.2	1835.0	1902.2	2151.7	3665.1	4897.5	5378.2	5691.7
15°	1040.3	1275.1	1514.7	1726.1	1846.1	1947.5	2561.7	4038.2	5134.5	5498.7	5805.7
12.5°	1071.1	1307.9	1553.5	1755.9	1855.7	1986.2	2913.1	4348.4	5234.8	5589.9	5886.4
10°	1096.5	1334.9	1585.6	1780.4	1863.5	2018.2	3203.6	4605.2	5317.9	5665.6	5953.7
7.5°	1116.4	1356.0	1610.6	1799.6	1869.7	2043.3	3431.6	4806.9	5383.3	5725.3	6006.7
5°	1130.6	1371.2	1628.6	1813.4	1874.1	2061.3	3595.4	4952.1	5430.5	5768.3	6045.1
2.5°	1139.1	1380.3	1639.4	1821.7	1876.8	2072.2	3694.2	5039.6	5458.9	5794.3	6068.2
0°	1142.0	1383.3	1643.0	1824.5	1877.7	2075.8	3727.2	5068.9	5468.4	5803.0	6076.0
-2.5°	1139.1	1380.3	1639.4	1821.7	1876.8	2072.2	3694.2	5039.6	5458.9	5794.3	6068.2
-5°	1130.6	1371.2	1628.6	1813.4	1874.1	2061.3	3595.4	4952.1	5430.5	5768.3	6045.1
-7.5°	1116.4	1356.0	1610.6	1799.6	1869.7	2043.3	3431.6	4806.9	5383.3	5725.3	6006.7
-10°	1096.5	1334.9	1585.6	1780.4	1863.5	2018.2	3203.6	4605.2	5317.9	5665.6	5953.7
-12.5°	1071.1	1307.9	1553.5	1755.9	1855.7	1986.2	2913.1	4348.4	5234.8	5589.9	5886.4
-15°	1040.3	1275.1	1514.7	1726.1	1846.1	1947.5	2561.7	4038.2	5134.5	5498.7	5805.7
-17.5°	1004.0	1236.6	1469.1	1691.2	1835.0	1902.2	2151.7	3665.1	4897.5	5378.2	5691.7
-20°	962.5	1192.6	1417.0	1651.3	1816.7	1870.4	2028.9	3159.9	4453.5	5235.4	5562.5



REPORT NUMBER: P1305420 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-40-80-2S-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	915.9	1143.2	1360.3	1591.0	1768.1	1855.0	1966.5	2597.3	3960.1	5077.0	5410.1
-25°	865.4	1086.3	1300.4	1520.6	1714.5	1837.9	1897.9	2064.4	3349.6	4515.7	5224.5
-27.5°	811.2	1024.1	1234.9	1443.7	1656.2	1807.2	1863.2	1984.3	2631.9	3890.2	4921.7
-30°	752.6	956.9	1164.3	1362.5	1572.0	1739.3	1841.7	1898.4	2050.5	3106.8	4209.2
-32.5°	689.7	885.0	1086.3	1280.1	1476.0	1666.8	1805.3	1858.8	1952.9	2238.5	3395.7
-35°	627.8	811.2	1002.4	1192.6	1374.8	1567.4	1723.0	1832.9	1870.3	1986.0	2427.4
-37.5°	570.5	733.3	913.8	1098.6	1275.1	1452.0	1633.7	1760.9	1841.5	1876.1	1997.1
-40°	510.2	651.2	823.5	997.7	1170.7	1334.9	1504.5	1664.6	1780.0	1844.3	1876.1
-42.5°	447.4	581.6	730.0	892.3	1058.4	1218.1	1371.2	1531.0	1674.0	1780.0	1841.5
-45°	384.8	509.4	635.9	787.0	940.5	1095.1	1242.0	1383.3	1531.0	1664.6	1760.9
-47.5°	319.7	435.5	554.5	678.1	821.5	964.8	1107.5	1242.0	1371.2	1504.5	1633.7
-50°	255.8	361.9	470.4	581.8	700.9	833.1	964.8	1095.1	1218.1	1334.9	1452.0
-52.5°	200.1	286.0	387.4	488.5	590.9	700.9	821.5	940.5	1058.4	1170.7	1275.1
-55°	142.7	220.2	302.9	395.9	488.5	581.8	678.1	787.0	892.3	997.7	1098.6
-57.5°	104.2	156.1	227.0	302.9	387.4	470.4	554.5	635.9	730.0	823.5	913.8
-60°	76.4	107.2	156.1	220.2	286.0	361.9	435.5	509.4	581.6	651.2	733.3
-62.5°	51.8	76.4	104.2	142.7	200.1	255.8	319.7	384.8	447.4	510.2	570.5
-65°	43.3	50.9	70.3	95.0	119.0	166.7	215.7	263.0	318.1	372.4	424.2
-67.5°	34.7	41.5	48.2	58.2	79.8	100.8	121.0	163.0	203.8	242.8	282.6
-70°	29.0	32.6	38.0	43.8	49.4	58.8	76.8	94.1	110.7	132.7	165.6
-72.5°	23.9	27.0	30.0	33.0	37.7	42.5	47.1	51.5	61.7	75.6	88.8
-75°	19.9	21.4	23.9	26.5	28.9	31.3	33.9	37.7	41.3	44.8	48.1
-77.5°	16.9	18.2	19.4	20.6	21.9	23.9	25.9	27.7	29.5	31.2	32.8
-80°	14.2	15.0	15.9	16.9	17.8	18.7	19.6	20.4	21.2	22.3	23.6
-82.5°	11.9	12.5	13.0	13.6	14.1	14.6	15.2	15.8	16.4	16.9	17.5
-85°	9.2	10.0	10.4	10.7	11.1	11.4	11.8	12.1	12.4	12.7	12.9
-87.5°	4.6	5.0	5.4	5.7	6.1	6.4	6.8	7.1	7.4	7.7	7.9
-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):

	-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°	8.2	8.4	8.7	8.9	9.1	9.2	9.4	9.5	9.7	9.8	9.8
85°	13.2	13.4	13.7	13.9	14.1	14.2	14.4	14.5	14.7	14.8	14.8
82.5°	18.0	18.5	18.9	19.4	19.7	20.1	20.4	20.7	20.9	21.1	21.3
80°	24.8	25.9	27.0	28.0	28.9	29.7	30.5	31.1	31.7	32.2	32.6
77.5°	35.0	37.4	39.7	41.8	43.8	45.6	47.2	48.6	49.8	50.9	51.8
75°	51.2	56.3	65.6	74.4	82.4	89.7	96.3	102.1	107.2	111.6	115.1
72.5°	101.3	113.1	127.1	149.3	169.8	188.5	205.3	220.2	233.3	244.3	253.4
70°	196.8	226.2	253.7	281.6	310.9	337.7	361.9	383.4	402.1	418.0	431.1
67.5°	326.5	368.0	406.8	442.9	477.4	509.4	538.3	564.0	586.4	605.5	621.2
65°	474.3	523.1	568.9	611.5	651.2	695.8	736.0	771.8	803.0	829.6	851.5
62.5°	627.8	689.7	752.6	811.2	865.4	915.9	962.5	1004.0	1040.3	1071.1	1096.5
60°	811.2	885.0	956.9	1024.1	1086.3	1143.2	1192.6	1236.6	1275.1	1307.9	1334.9
57.5°	1002.4	1086.3	1164.3	1234.9	1300.4	1360.3	1417.0	1469.1	1514.7	1553.5	1585.6
55°	1192.6	1280.1	1362.5	1443.7	1520.6	1591.0	1651.3	1691.2	1726.1	1755.9	1780.4
52.5°	1374.8	1476.0	1572.0	1656.2	1714.5	1768.1	1816.7	1835.0	1846.1	1855.7	1863.5
50°	1567.4	1666.8	1739.3	1807.2	1837.9	1855.0	1870.4	1902.2	1947.5	1986.2	2018.2
47.5°	1723.0	1805.3	1841.7	1863.2	1897.9	1966.5	2028.9	2151.7	2561.7	2913.1	3203.6
45°	1832.9	1858.8	1898.4	1984.3	2064.4	2597.3	3159.9	3665.1	4038.2	4348.4	4605.2
42.5°	1870.3	1952.9	2050.5	2631.9	3349.6	3960.1	4453.5	4897.5	5134.5	5234.8	5317.9
40°	1986.0	2238.5	3106.8	3890.2	4515.7	5077.0	5235.4	5378.2	5498.7	5589.9	5665.6
37.5°	2427.4	3395.7	4209.2	4921.7	5224.5	5410.1	5562.5	5691.7	5805.7	5886.4	5953.7
35°	3492.7	4370.5	5098.7	5324.9	5526.8	5693.6	5839.2	5953.1	6054.3	6089.3	6104.1
32.5°	4370.5	5123.5	5375.7	5592.3	5783.1	5932.6	6067.5	6099.1	6121.2	6129.9	6127.9
30°	5098.7	5375.7	5614.3	5823.8	5989.7	6090.1	6119.3	6129.2	6126.2	6115.5	6084.0
27.5°	5324.9	5592.3	5823.8	6009.0	6098.1	6130.9	6127.1	6113.5	6067.0	6026.3	6162.6
25°	5526.8	5783.1	5989.7	6098.1	6130.4	6126.0	6089.3	6033.6	6197.5	6375.0	7634.6
22.5°	5693.6	5932.6	6090.1	6130.9	6126.0	6081.1	6064.6	6304.3	7603.4	9784.0	13681.8
20°	5839.2	6067.5	6119.3	6127.1	6089.3	6064.6	6340.5	8457.2	11907.9	20037.9	27922.3
17.5°	5953.1	6099.1	6129.2	6113.5	6033.6	6304.3	8457.2	13461.9	23333.1	36412.7	49127.8
15°	6054.3	6121.2	6126.2	6067.0	6197.5	7603.4	11907.9	23333.1	39325.0	59221.8	83444.1
12.5°	6089.3	6129.9	6115.5	6026.3	6375.0	9784.0	20037.9	36412.7	59221.8	89327.1	126192.2
10°	6104.1	6127.9	6084.0	6162.6	7634.6	13681.8	27922.3	49127.8	83444.1	126192.2	172341.3
7.5°	6115.7	6126.3	6059.0	6272.2	8993.2	18806.5	37240.4	66477.9	108573.6	160343.9	221600.0
5°	6124.2	6125.2	6040.8	6352.2	9989.0	22584.7	44163.3	79901.6	129941.1	191773.0	263209.6
2.5°	6129.3	6124.5	6029.8	6400.9	10597.3	24902.5	48435.1	88252.9	143394.6	213242.8	290340.4
0°	6131.0	6124.3	6026.1	6417.3	10802.0	25684.1	49880.0	91090.4	147996.9	220880.9	299854.2
-2.5°	6129.3	6124.5	6029.8	6400.9	10597.3	24902.5	48435.1	88252.9	143394.6	213242.8	290340.4
-5°	6124.2	6125.2	6040.8	6352.2	9989.0	22584.7	44163.3	79901.6	129941.1	191773.0	263209.6
-7.5°	6115.7	6126.3	6059.0	6272.2	8993.2	18806.5	37240.4	66477.9	108573.6	160343.9	221600.0
-10°	6104.1	6127.9	6084.0	6162.6	7634.6	13681.8	27922.3	49127.8	83444.1	126192.2	172341.3
-12.5°	6089.3	6129.9	6115.5	6026.3	6375.0	9784.0	20037.9	36412.7	59221.8	89327.1	126192.2
-15°	6054.3	6121.2	6126.2	6067.0	6197.5	7603.4	11907.9	23333.1	39325.0	59221.8	83444.1
-17.5°	5953.1	6099.1	6129.2	6113.5	6033.6	6304.3	8457.2	13461.9	23333.1	36412.7	49127.8
-20°	5839.2	6067.5	6119.3	6127.1	6089.3	6064.6	6340.5	8457.2	11907.9	20037.9	27922.3



REPORT NUMBER: P1305420 (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°	5693.6	5932.6	6090.1	6130.9	6126.0	6081.1	6064.6	6304.3	7603.4	9784.0	13681.8
-25°	5526.8	5783.1	5989.7	6098.1	6130.4	6126.0	6089.3	6033.6	6197.5	6375.0	7634.6
-27.5°	5324.9	5592.3	5823.8	6009.0	6098.1	6130.9	6127.1	6113.5	6067.0	6026.3	6162.6
-30°	5098.7	5375.7	5614.3	5823.8	5989.7	6090.1	6119.3	6129.2	6126.2	6115.5	6084.0
-32.5°	4370.5	5123.5	5375.7	5592.3	5783.1	5932.6	6067.5	6099.1	6121.2	6129.9	6127.9
-35°	3492.7	4370.5	5098.7	5324.9	5526.8	5693.6	5839.2	5953.1	6054.3	6089.3	6104.1
-37.5°	2427.4	3395.7	4209.2	4921.7	5224.5	5410.1	5562.5	5691.7	5805.7	5886.4	5953.7
-40°	1986.0	2238.5	3106.8	3890.2	4515.7	5077.0	5235.4	5378.2	5498.7	5589.9	5665.6
-42.5°	1870.3	1952.9	2050.5	2631.9	3349.6	3960.1	4453.5	4897.5	5134.5	5234.8	5317.9
-45°	1832.9	1858.8	1898.4	1984.3	2064.4	2597.3	3159.9	3665.1	4038.2	4348.4	4605.2
-47.5°	1723.0	1805.3	1841.7	1863.2	1897.9	1966.5	2028.9	2151.7	2561.7	2913.1	3203.6
-50°	1567.4	1666.8	1739.3	1807.2	1837.9	1855.0	1870.4	1902.2	1947.5	1986.2	2018.2
-52.5°	1374.8	1476.0	1572.0	1656.2	1714.5	1768.1	1816.7	1835.0	1846.1	1855.7	1863.5
-55°	1192.6	1280.1	1362.5	1443.7	1520.6	1591.0	1651.3	1691.2	1726.1	1755.9	1780.4
-57.5°	1002.4	1086.3	1164.3	1234.9	1300.4	1360.3	1417.0	1469.1	1514.7	1553.5	1585.6
-60°	811.2	885.0	956.9	1024.1	1086.3	1143.2	1192.6	1236.6	1275.1	1307.9	1334.9
-62.5°	627.8	689.7	752.6	811.2	865.4	915.9	962.5	1004.0	1040.3	1071.1	1096.5
-65°	474.3	523.1	568.9	611.5	651.2	695.8	736.0	771.8	803.0	829.6	851.5
-67.5°	326.5	368.0	406.8	442.9	477.4	509.4	538.3	564.0	586.4	605.5	621.2
-70°	196.8	226.2	253.7	281.6	310.9	337.7	361.9	383.4	402.1	418.0	431.1
-72.5°	101.3	113.1	127.1	149.3	169.8	188.5	205.3	220.2	233.3	244.3	253.4
-75°	51.2	56.3	65.6	74.4	82.4	89.7	96.3	102.1	107.2	111.6	115.1
-77.5°	35.0	37.4	39.7	41.8	43.8	45.6	47.2	48.6	49.8	50.9	51.8
-80°	24.8	25.9	27.0	28.0	28.9	29.7	30.5	31.1	31.7	32.2	32.6
-82.5°	18.0	18.5	18.9	19.4	19.7	20.1	20.4	20.7	20.9	21.1	21.3
-85°	13.2	13.4	13.7	13.9	14.1	14.2	14.4	14.5	14.7	14.8	14.8
-87.5°	8.2	8.4	8.7	8.9	9.1	9.2	9.4	9.5	9.7	9.8	9.8
-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: P1305420 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-40-80-2S-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°	9.9	10.0	10.0	10.0	10.0	10.0	9.9	9.8	9.8	9.7	9.5
85°	14.9	15.0	15.0	15.0	15.0	15.0	14.9	14.8	14.8	14.7	14.5
82.5°	21.4	21.5	21.6	21.6	21.6	21.5	21.4	21.3	21.1	20.9	20.7
80°	32.9	33.1	33.3	33.3	33.3	33.1	32.9	32.6	32.2	31.7	31.1
77.5°	52.4	52.9	53.2	53.3	53.2	52.9	52.4	51.8	50.9	49.8	48.6
75°	117.9	119.9	121.1	121.5	121.1	119.9	117.9	115.1	111.6	107.2	102.1
72.5°	260.5	265.6	268.7	269.7	268.7	265.6	260.5	253.4	244.3	233.3	220.2
70°	441.3	448.6	453.0	454.5	453.0	448.6	441.3	431.1	418.0	402.1	383.4
67.5°	633.4	642.2	647.4	649.2	647.4	642.2	633.4	621.2	605.5	586.4	564.0
65°	868.5	880.8	888.1	890.6	888.1	880.8	868.5	851.5	829.6	803.0	771.8
62.5°	1116.4	1130.6	1139.1	1142.0	1139.1	1130.6	1116.4	1096.5	1071.1	1040.3	1004.0
60°	1356.0	1371.2	1380.3	1383.3	1380.3	1371.2	1356.0	1334.9	1307.9	1275.1	1236.6
57.5°	1610.6	1628.6	1639.4	1643.0	1639.4	1628.6	1610.6	1585.6	1553.5	1514.7	1469.1
55°	1799.6	1813.4	1821.7	1824.5	1821.7	1813.4	1799.6	1780.4	1755.9	1726.1	1691.2
52.5°	1869.7	1874.1	1876.8	1877.7	1876.8	1874.1	1869.7	1863.5	1855.7	1846.1	1835.0
50°	2043.3	2061.3	2072.2	2075.8	2072.2	2061.3	2043.3	2018.2	1986.2	1947.5	1902.2
47.5°	3431.6	3595.4	3694.2	3727.2	3694.2	3595.4	3431.6	3203.6	2913.1	2561.7	2151.7
45°	4806.9	4952.1	5039.6	5068.9	5039.6	4952.1	4806.9	4605.2	4348.4	4038.2	3665.1
42.5°	5383.3	5430.5	5458.9	5468.4	5458.9	5430.5	5383.3	5317.9	5234.8	5134.5	4897.5
40°	5725.3	5768.3	5794.3	5803.0	5794.3	5768.3	5725.3	5665.6	5589.9	5498.7	5378.2
37.5°	6006.7	6045.1	6068.2	6076.0	6068.2	6045.1	6006.7	5953.7	5886.4	5805.7	5691.7
35°	6115.7	6124.2	6129.3	6131.0	6129.3	6124.2	6115.7	6104.1	6089.3	6054.3	5953.1
32.5°	6126.3	6125.2	6124.5	6124.3	6124.5	6125.2	6126.3	6127.9	6129.9	6121.2	6099.1
30°	6059.0	6040.8	6029.8	6026.1	6029.8	6040.8	6059.0	6084.0	6115.5	6126.2	6129.2
27.5°	6272.2	6352.2	6400.9	6417.3	6400.9	6352.2	6272.2	6162.6	6026.3	6067.0	6113.5
25°	8993.2	9989.0	10597.3	10802.0	10597.3	9989.0	8993.2	7634.6	6375.0	6197.5	6033.6
22.5°	18806.5	22584.7	24902.5	25684.1	24902.5	22584.7	18806.5	13681.8	9784.0	7603.4	6304.3
20°	37240.4	44163.3	48435.1	49880.0	48435.1	44163.3	37240.4	27922.3	20037.9	11907.9	8457.2
17.5°	66477.9	79901.6	88252.9	91090.4	88252.9	79901.6	66477.9	49127.8	36412.7	23333.1	13461.9
15°	108573.6	129941.1	143394.6	147996.9	143394.6	129941.1	108573.6	83444.1	59221.8	39325.0	23333.1
12.5°	160343.9	191773.0	213242.8	220880.9	213242.8	191773.0	160343.9	126192.2	89327.1	59221.8	36412.7
10°	221600.0	263209.6	290340.4	299854.2	290340.4	263209.6	221600.0	172341.3	126192.2	83444.1	49127.8
7.5°	281386.9	330786.8	367225.2	380413.0	367225.2	330786.8	281386.9	221600.0	160343.9	108573.6	66477.9
5°	330786.8	394581.2	433696.9	446061.5	433696.9	394581.2	330786.8	263209.6	191773.0	129941.1	79901.6
2.5°	367225.2	433696.9	475980.4	497905.0	475980.4	433696.9	367225.2	290340.4	213242.8	143394.6	88252.9
0°	380413.0	446061.5	497905.0	535119.4	497905.0	446061.5	380413.0	299854.2	220880.9	147996.9	91090.4
-2.5°	367225.2	433696.9	475980.4	497905.0	475980.4	433696.9	367225.2	290340.4	213242.8	143394.6	88252.9
-5°	330786.8	394581.2	433696.9	446061.5	433696.9	394581.2	330786.8	263209.6	191773.0	129941.1	79901.6
-7.5°	281386.9	330786.8	367225.2	380413.0	367225.2	330786.8	281386.9	221600.0	160343.9	108573.6	66477.9
-10°	221600.0	263209.6	290340.4	299854.2	290340.4	263209.6	221600.0	172341.3	126192.2	83444.1	49127.8
-12.5°	160343.9	191773.0	213242.8	220880.9	213242.8	191773.0	160343.9	126192.2	89327.1	59221.8	36412.7
-15°	108573.6	129941.1	143394.6	147996.9	143394.6	129941.1	108573.6	83444.1	59221.8	39325.0	23333.1
-17.5°	66477.9	79901.6	88252.9	91090.4	88252.9	79901.6	66477.9	49127.8	36412.7	23333.1	13461.9
-20°	37240.4	44163.3	48435.1	49880.0	48435.1	44163.3	37240.4	27922.3	20037.9	11907.9	8457.2



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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°	18806.5	22584.7	24902.5	25684.1	24902.5	22584.7	18806.5	13681.8	9784.0	7603.4	6304.3
-25°	8993.2	9989.0	10597.3	10802.0	10597.3	9989.0	8993.2	7634.6	6375.0	6197.5	6033.6
-27.5°	6272.2	6352.2	6400.9	6417.3	6400.9	6352.2	6272.2	6162.6	6026.3	6067.0	6113.5
-30°	6059.0	6040.8	6029.8	6026.1	6029.8	6040.8	6059.0	6084.0	6115.5	6126.2	6129.2
-32.5°	6126.3	6125.2	6124.5	6124.3	6124.5	6125.2	6126.3	6127.9	6129.9	6121.2	6099.1
-35°	6115.7	6124.2	6129.3	6131.0	6129.3	6124.2	6115.7	6104.1	6089.3	6054.3	5953.1
-37.5°	6006.7	6045.1	6068.2	6076.0	6068.2	6045.1	6006.7	5953.7	5886.4	5805.7	5691.7
-40°	5725.3	5768.3	5794.3	5803.0	5794.3	5768.3	5725.3	5665.6	5589.9	5498.7	5378.2
-42.5°	5383.3	5430.5	5458.9	5468.4	5458.9	5430.5	5383.3	5317.9	5234.8	5134.5	4897.5
-45°	4806.9	4952.1	5039.6	5068.9	5039.6	4952.1	4806.9	4605.2	4348.4	4038.2	3665.1
-47.5°	3431.6	3595.4	3694.2	3727.2	3694.2	3595.4	3431.6	3203.6	2913.1	2561.7	2151.7
-50°	2043.3	2061.3	2072.2	2075.8	2072.2	2061.3	2043.3	2018.2	1986.2	1947.5	1902.2
-52.5°	1869.7	1874.1	1876.8	1877.7	1876.8	1874.1	1869.7	1863.5	1855.7	1846.1	1835.0
-55°	1799.6	1813.4	1821.7	1824.5	1821.7	1813.4	1799.6	1780.4	1755.9	1726.1	1691.2
-57.5°	1610.6	1628.6	1639.4	1643.0	1639.4	1628.6	1610.6	1585.6	1553.5	1514.7	1469.1
-60°	1356.0	1371.2	1380.3	1383.3	1380.3	1371.2	1356.0	1334.9	1307.9	1275.1	1236.6
-62.5°	1116.4	1130.6	1139.1	1142.0	1139.1	1130.6	1116.4	1096.5	1071.1	1040.3	1004.0
-65°	868.5	880.8	888.1	890.6	888.1	880.8	868.5	851.5	829.6	803.0	771.8
-67.5°	633.4	642.2	647.4	649.2	647.4	642.2	633.4	621.2	605.5	586.4	564.0
-70°	441.3	448.6	453.0	454.5	453.0	448.6	441.3	431.1	418.0	402.1	383.4
-72.5°	260.5	265.6	268.7	269.7	268.7	265.6	260.5	253.4	244.3	233.3	220.2
-75°	117.9	119.9	121.1	121.5	121.1	119.9	117.9	115.1	111.6	107.2	102.1
-77.5°	52.4	52.9	53.2	53.3	53.2	52.9	52.4	51.8	50.9	49.8	48.6
-80°	32.9	33.1	33.3	33.3	33.3	33.1	32.9	32.6	32.2	31.7	31.1
-82.5°	21.4	21.5	21.6	21.6	21.6	21.5	21.4	21.3	21.1	20.9	20.7
-85°	14.9	15.0	15.0	15.0	15.0	15.0	14.9	14.8	14.8	14.7	14.5
-87.5°	9.9	10.0	10.0	10.0	10.0	10.0	9.9	9.8	9.8	9.7	9.5
-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):

	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°	9.4	9.2	9.1	8.9	8.7	8.4	8.2	7.9	7.7	7.4	7.1
85°	14.4	14.2	14.1	13.9	13.7	13.4	13.2	12.9	12.7	12.4	12.1
82.5°	20.4	20.1	19.7	19.4	18.9	18.5	18.0	17.5	16.9	16.4	15.8
80°	30.5	29.7	28.9	28.0	27.0	25.9	24.8	23.6	22.3	21.2	20.4
77.5°	47.2	45.6	43.8	41.8	39.7	37.4	35.0	32.8	31.2	29.5	27.7
75°	96.3	89.7	82.4	74.4	65.6	56.3	51.2	48.1	44.8	41.3	37.7
72.5°	205.3	188.5	169.8	149.3	127.1	113.1	101.3	88.8	75.6	61.7	51.5
70°	361.9	337.7	310.9	281.6	253.7	226.2	196.8	165.6	132.7	110.7	94.1
67.5°	538.3	509.4	477.4	442.9	406.8	368.0	326.5	282.6	242.8	203.8	163.0
65°	736.0	695.8	651.2	611.5	568.9	523.1	474.3	424.2	372.4	318.1	263.0
62.5°	962.5	915.9	865.4	811.2	752.6	689.7	627.8	570.5	510.2	447.4	384.8
60°	1192.6	1143.2	1086.3	1024.1	956.9	885.0	811.2	733.3	651.2	581.6	509.4
57.5°	1417.0	1360.3	1300.4	1234.9	1164.3	1086.3	1002.4	913.8	823.5	730.0	635.9
55°	1651.3	1591.0	1520.6	1443.7	1362.5	1280.1	1192.6	1098.6	997.7	892.3	787.0
52.5°	1816.7	1768.1	1714.5	1656.2	1572.0	1476.0	1374.8	1275.1	1170.7	1058.4	940.5
50°	1870.4	1855.0	1837.9	1807.2	1739.3	1666.8	1567.4	1452.0	1334.9	1218.1	1095.1
47.5°	2028.9	1966.5	1897.9	1863.2	1841.7	1805.3	1723.0	1633.7	1504.5	1371.2	1242.0
45°	3159.9	2597.3	2064.4	1984.3	1898.4	1858.8	1832.9	1760.9	1664.6	1531.0	1383.3
42.5°	4453.5	3960.1	3349.6	2631.9	2050.5	1952.9	1870.3	1841.5	1780.0	1674.0	1531.0
40°	5235.4	5077.0	4515.7	3890.2	3106.8	2238.5	1986.0	1876.1	1844.3	1780.0	1664.6
37.5°	5562.5	5410.1	5224.5	4921.7	4209.2	3395.7	2427.4	1997.1	1876.1	1841.5	1760.9
35°	5839.2	5693.6	5526.8	5324.9	5098.7	4370.5	3492.7	2427.4	1986.0	1870.3	1832.9
32.5°	6067.5	5932.6	5783.1	5592.3	5375.7	5123.5	4370.5	3395.7	2238.5	1952.9	1858.8
30°	6119.3	6090.1	5989.7	5823.8	5614.3	5375.7	5098.7	4209.2	3106.8	2050.5	1898.4
27.5°	6127.1	6130.9	6098.1	6009.0	5823.8	5592.3	5324.9	4921.7	3890.2	2631.9	1984.3
25°	6089.3	6126.0	6130.4	6098.1	5989.7	5783.1	5526.8	5224.5	4515.7	3349.6	2064.4
22.5°	6064.6	6081.1	6126.0	6130.9	6090.1	5932.6	5693.6	5410.1	5077.0	3960.1	2597.3
20°	6340.5	6064.6	6089.3	6127.1	6119.3	6067.5	5839.2	5562.5	5235.4	4453.5	3159.9
17.5°	8457.2	6304.3	6033.6	6113.5	6129.2	6099.1	5953.1	5691.7	5378.2	4897.5	3665.1
15°	11907.9	7603.4	6197.5	6067.0	6126.2	6121.2	6054.3	5805.7	5498.7	5134.5	4038.2
12.5°	20037.9	9784.0	6375.0	6026.3	6115.5	6129.9	6089.3	5886.4	5589.9	5234.8	4348.4
10°	27922.3	13681.8	7634.6	6162.6	6084.0	6127.9	6104.1	5953.7	5665.6	5317.9	4605.2
7.5°	37240.4	18806.5	8993.2	6272.2	6059.0	6126.3	6115.7	6006.7	5725.3	5383.3	4806.9
5°	44163.3	22584.7	9989.0	6352.2	6040.8	6125.2	6124.2	6045.1	5768.3	5430.5	4952.1
2.5°	48435.1	24902.5	10597.3	6400.9	6029.8	6124.5	6129.3	6068.2	5794.3	5458.9	5039.6
0°	49880.0	25684.1	10802.0	6417.3	6026.1	6124.3	6131.0	6076.0	5803.0	5468.4	5068.9
-2.5°	48435.1	24902.5	10597.3	6400.9	6029.8	6124.5	6129.3	6068.2	5794.3	5458.9	5039.6
-5°	44163.3	22584.7	9989.0	6352.2	6040.8	6125.2	6124.2	6045.1	5768.3	5430.5	4952.1
-7.5°	37240.4	18806.5	8993.2	6272.2	6059.0	6126.3	6115.7	6006.7	5725.3	5383.3	4806.9
-10°	27922.3	13681.8	7634.6	6162.6	6084.0	6127.9	6104.1	5953.7	5665.6	5317.9	4605.2
-12.5°	20037.9	9784.0	6375.0	6026.3	6115.5	6129.9	6089.3	5886.4	5589.9	5234.8	4348.4
-15°	11907.9	7603.4	6197.5	6067.0	6126.2	6121.2	6054.3	5805.7	5498.7	5134.5	4038.2
-17.5°	8457.2	6304.3	6033.6	6113.5	6129.2	6099.1	5953.1	5691.7	5378.2	4897.5	3665.1
-20°	6340.5	6064.6	6089.3	6127.1	6119.3	6067.5	5839.2	5562.5	5235.4	4453.5	3159.9



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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°	6064.6	6081.1	6126.0	6130.9	6090.1	5932.6	5693.6	5410.1	5077.0	3960.1	2597.3
-25°	6089.3	6126.0	6130.4	6098.1	5989.7	5783.1	5526.8	5224.5	4515.7	3349.6	2064.4
-27.5°	6127.1	6130.9	6098.1	6009.0	5823.8	5592.3	5324.9	4921.7	3890.2	2631.9	1984.3
-30°	6119.3	6090.1	5989.7	5823.8	5614.3	5375.7	5098.7	4209.2	3106.8	2050.5	1898.4
-32.5°	6067.5	5932.6	5783.1	5592.3	5375.7	5123.5	4370.5	3395.7	2238.5	1952.9	1858.8
-35°	5839.2	5693.6	5526.8	5324.9	5098.7	4370.5	3492.7	2427.4	1986.0	1870.3	1832.9
-37.5°	5562.5	5410.1	5224.5	4921.7	4209.2	3395.7	2427.4	1997.1	1876.1	1841.5	1760.9
-40°	5235.4	5077.0	4515.7	3890.2	3106.8	2238.5	1986.0	1876.1	1844.3	1780.0	1664.6
-42.5°	4453.5	3960.1	3349.6	2631.9	2050.5	1952.9	1870.3	1841.5	1780.0	1674.0	1531.0
-45°	3159.9	2597.3	2064.4	1984.3	1898.4	1858.8	1832.9	1760.9	1664.6	1531.0	1383.3
-47.5°	2028.9	1966.5	1897.9	1863.2	1841.7	1805.3	1723.0	1633.7	1504.5	1371.2	1242.0
-50°	1870.4	1855.0	1837.9	1807.2	1739.3	1666.8	1567.4	1452.0	1334.9	1218.1	1095.1
-52.5°	1816.7	1768.1	1714.5	1656.2	1572.0	1476.0	1374.8	1275.1	1170.7	1058.4	940.5
-55°	1651.3	1591.0	1520.6	1443.7	1362.5	1280.1	1192.6	1098.6	997.7	892.3	787.0
-57.5°	1417.0	1360.3	1300.4	1234.9	1164.3	1086.3	1002.4	913.8	823.5	730.0	635.9
-60°	1192.6	1143.2	1086.3	1024.1	956.9	885.0	811.2	733.3	651.2	581.6	509.4
-62.5°	962.5	915.9	865.4	811.2	752.6	689.7	627.8	570.5	510.2	447.4	384.8
-65°	736.0	695.8	651.2	611.5	568.9	523.1	474.3	424.2	372.4	318.1	263.0
-67.5°	538.3	509.4	477.4	442.9	406.8	368.0	326.5	282.6	242.8	203.8	163.0
-70°	361.9	337.7	310.9	281.6	253.7	226.2	196.8	165.6	132.7	110.7	94.1
-72.5°	205.3	188.5	169.8	149.3	127.1	113.1	101.3	88.8	75.6	61.7	51.5
-75°	96.3	89.7	82.4	74.4	65.6	56.3	51.2	48.1	44.8	41.3	37.7
-77.5°	47.2	45.6	43.8	41.8	39.7	37.4	35.0	32.8	31.2	29.5	27.7
-80°	30.5	29.7	28.9	28.0	27.0	25.9	24.8	23.6	22.3	21.2	20.4
-82.5°	20.4	20.1	19.7	19.4	18.9	18.5	18.0	17.5	16.9	16.4	15.8
-85°	14.4	14.2	14.1	13.9	13.7	13.4	13.2	12.9	12.7	12.4	12.1
-87.5°	9.4	9.2	9.1	8.9	8.7	8.4	8.2	7.9	7.7	7.4	7.1
-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: P1305420 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680R-40-80-2S-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°	6.8	6.4	6.1	5.7	5.4	5.0	4.6	4.2	3.8	3.4	3.0
85°	11.8	11.4	11.1	10.7	10.4	10.0	9.2	8.4	7.6	6.8	6.0
82.5°	15.2	14.6	14.1	13.6	13.0	12.5	11.9	11.3	10.7	10.1	9.0
80°	19.6	18.7	17.8	16.9	15.9	15.0	14.2	13.4	12.6	11.8	11.0
77.5°	25.9	23.9	21.9	20.6	19.4	18.2	16.9	15.7	14.5	13.5	12.5
75°	33.9	31.3	28.9	26.5	23.9	21.4	19.9	18.4	16.8	15.2	13.9
72.5°	47.1	42.5	37.7	33.0	30.0	27.0	23.9	21.1	19.2	17.4	15.5
70°	76.8	58.8	49.4	43.8	38.0	32.6	29.0	25.4	21.7	19.5	17.4
67.5°	121.0	100.8	79.8	58.2	48.2	41.5	34.7	30.1	25.9	21.7	19.2
65°	215.7	166.7	119.0	95.0	70.3	50.9	43.3	35.6	30.1	25.4	21.1
62.5°	319.7	255.8	200.1	142.7	104.2	76.4	51.8	43.3	34.7	29.0	23.9
60°	435.5	361.9	286.0	220.2	156.1	107.2	76.4	50.9	41.5	32.6	27.0
57.5°	554.5	470.4	387.4	302.9	227.0	156.1	104.2	70.3	48.2	38.0	30.0
55°	678.1	581.8	488.5	395.9	302.9	220.2	142.7	95.0	58.2	43.8	33.0
52.5°	821.5	700.9	590.9	488.5	387.4	286.0	200.1	119.0	79.8	49.4	37.7
50°	964.8	833.1	700.9	581.8	470.4	361.9	255.8	166.7	100.8	58.8	42.5
47.5°	1107.5	964.8	821.5	678.1	554.5	435.5	319.7	215.7	121.0	76.8	47.1
45°	1242.0	1095.1	940.5	787.0	635.9	509.4	384.8	263.0	163.0	94.1	51.5
42.5°	1371.2	1218.1	1058.4	892.3	730.0	581.6	447.4	318.1	203.8	110.7	61.7
40°	1504.5	1334.9	1170.7	997.7	823.5	651.2	510.2	372.4	242.8	132.7	75.6
37.5°	1633.7	1452.0	1275.1	1098.6	913.8	733.3	570.5	424.2	282.6	165.6	88.8
35°	1723.0	1567.4	1374.8	1192.6	1002.4	811.2	627.8	474.3	326.5	196.8	101.3
32.5°	1805.3	1666.8	1476.0	1280.1	1086.3	885.0	689.7	523.1	368.0	226.2	113.1
30°	1841.7	1739.3	1572.0	1362.5	1164.3	956.9	752.6	568.9	406.8	253.7	127.1
27.5°	1863.2	1807.2	1656.2	1443.7	1234.9	1024.1	811.2	611.5	442.9	281.6	149.3
25°	1897.9	1837.9	1714.5	1520.6	1300.4	1086.3	865.4	651.2	477.4	310.9	169.8
22.5°	1966.5	1855.0	1768.1	1591.0	1360.3	1143.2	915.9	695.8	509.4	337.7	188.5
20°	2028.9	1870.4	1816.7	1651.3	1417.0	1192.6	962.5	736.0	538.3	361.9	205.3
17.5°	2151.7	1902.2	1835.0	1691.2	1469.1	1236.6	1004.0	771.8	564.0	383.4	220.2
15°	2561.7	1947.5	1846.1	1726.1	1514.7	1275.1	1040.3	803.0	586.4	402.1	233.3
12.5°	2913.1	1986.2	1855.7	1755.9	1553.5	1307.9	1071.1	829.6	605.5	418.0	244.3
10°	3203.6	2018.2	1863.5	1780.4	1585.6	1334.9	1096.5	851.5	621.2	431.1	253.4
7.5°	3431.6	2043.3	1869.7	1799.6	1610.6	1356.0	1116.4	868.5	633.4	441.3	260.5
5°	3595.4	2061.3	1874.1	1813.4	1628.6	1371.2	1130.6	880.8	642.2	448.6	265.6
2.5°	3694.2	2072.2	1876.8	1821.7	1639.4	1380.3	1139.1	888.1	647.4	453.0	268.7
0°	3727.2	2075.8	1877.7	1824.5	1643.0	1383.3	1142.0	890.6	649.2	454.5	269.7
-2.5°	3694.2	2072.2	1876.8	1821.7	1639.4	1380.3	1139.1	888.1	647.4	453.0	268.7
-5°	3595.4	2061.3	1874.1	1813.4	1628.6	1371.2	1130.6	880.8	642.2	448.6	265.6
-7.5°	3431.6	2043.3	1869.7	1799.6	1610.6	1356.0	1116.4	868.5	633.4	441.3	260.5
-10°	3203.6	2018.2	1863.5	1780.4	1585.6	1334.9	1096.5	851.5	621.2	431.1	253.4
-12.5°	2913.1	1986.2	1855.7	1755.9	1553.5	1307.9	1071.1	829.6	605.5	418.0	244.3
-15°	2561.7	1947.5	1846.1	1726.1	1514.7	1275.1	1040.3	803.0	586.4	402.1	233.3
-17.5°	2151.7	1902.2	1835.0	1691.2	1469.1	1236.6	1004.0	771.8	564.0	383.4	220.2
-20°	2028.9	1870.4	1816.7	1651.3	1417.0	1192.6	962.5	736.0	538.3	361.9	205.3



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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°	1966.5	1855.0	1768.1	1591.0	1360.3	1143.2	915.9	695.8	509.4	337.7	188.5
-25°	1897.9	1837.9	1714.5	1520.6	1300.4	1086.3	865.4	651.2	477.4	310.9	169.8
-27.5°	1863.2	1807.2	1656.2	1443.7	1234.9	1024.1	811.2	611.5	442.9	281.6	149.3
-30°	1841.7	1739.3	1572.0	1362.5	1164.3	956.9	752.6	568.9	406.8	253.7	127.1
-32.5°	1805.3	1666.8	1476.0	1280.1	1086.3	885.0	689.7	523.1	368.0	226.2	113.1
-35°	1723.0	1567.4	1374.8	1192.6	1002.4	811.2	627.8	474.3	326.5	196.8	101.3
-37.5°	1633.7	1452.0	1275.1	1098.6	913.8	733.3	570.5	424.2	282.6	165.6	88.8
-40°	1504.5	1334.9	1170.7	997.7	823.5	651.2	510.2	372.4	242.8	132.7	75.6
-42.5°	1371.2	1218.1	1058.4	892.3	730.0	581.6	447.4	318.1	203.8	110.7	61.7
-45°	1242.0	1095.1	940.5	787.0	635.9	509.4	384.8	263.0	163.0	94.1	51.5
-47.5°	1107.5	964.8	821.5	678.1	554.5	435.5	319.7	215.7	121.0	76.8	47.1
-50°	964.8	833.1	700.9	581.8	470.4	361.9	255.8	166.7	100.8	58.8	42.5
-52.5°	821.5	700.9	590.9	488.5	387.4	286.0	200.1	119.0	79.8	49.4	37.7
-55°	678.1	581.8	488.5	395.9	302.9	220.2	142.7	95.0	58.2	43.8	33.0
-57.5°	554.5	470.4	387.4	302.9	227.0	156.1	104.2	70.3	48.2	38.0	30.0
-60°	435.5	361.9	286.0	220.2	156.1	107.2	76.4	50.9	41.5	32.6	27.0
-62.5°	319.7	255.8	200.1	142.7	104.2	76.4	51.8	43.3	34.7	29.0	23.9
-65°	215.7	166.7	119.0	95.0	70.3	50.9	43.3	35.6	30.1	25.4	21.1
-67.5°	121.0	100.8	79.8	58.2	48.2	41.5	34.7	30.1	25.9	21.7	19.2
-70°	76.8	58.8	49.4	43.8	38.0	32.6	29.0	25.4	21.7	19.5	17.4
-72.5°	47.1	42.5	37.7	33.0	30.0	27.0	23.9	21.1	19.2	17.4	15.5
-75°	33.9	31.3	28.9	26.5	23.9	21.4	19.9	18.4	16.8	15.2	13.9
-77.5°	25.9	23.9	21.9	20.6	19.4	18.2	16.9	15.7	14.5	13.5	12.5
-80°	19.6	18.7	17.8	16.9	15.9	15.0	14.2	13.4	12.6	11.8	11.0
-82.5°	15.2	14.6	14.1	13.6	13.0	12.5	11.9	11.3	10.7	10.1	9.0
-85°	11.8	11.4	11.1	10.7	10.4	10.0	9.2	8.4	7.6	6.8	6.0
-87.5°	6.8	6.4	6.1	5.7	5.4	5.0	4.6	4.2	3.8	3.4	3.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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°	2.6	2.2	1.7	1.3	0.9	0.4	0.0
85°	5.2	4.3	3.5	2.6	1.7	0.9	0.0
82.5°	7.7	6.5	5.2	3.9	2.6	1.3	0.0
80°	10.2	8.6	6.9	5.2	3.5	1.7	0.0
77.5°	11.4	10.4	8.6	6.5	4.3	2.2	0.0
75°	12.7	11.4	10.2	7.7	5.2	2.6	0.0
72.5°	13.9	12.5	11.0	9.0	6.0	3.0	0.0
70°	15.2	13.5	11.8	10.1	6.8	3.4	0.0
67.5°	16.8	14.5	12.6	10.7	7.6	3.8	0.0
65°	18.4	15.7	13.4	11.3	8.4	4.2	0.0
62.5°	19.9	16.9	14.2	11.9	9.2	4.6	0.0
60°	21.4	18.2	15.0	12.5	10.0	5.0	0.0
57.5°	23.9	19.4	15.9	13.0	10.4	5.4	0.0
55°	26.5	20.6	16.9	13.6	10.7	5.7	0.0
52.5°	28.9	21.9	17.8	14.1	11.1	6.1	0.0
50°	31.3	23.9	18.7	14.6	11.4	6.4	0.0
47.5°	33.9	25.9	19.6	15.2	11.8	6.8	0.0
45°	37.7	27.7	20.4	15.8	12.1	7.1	0.0
42.5°	41.3	29.5	21.2	16.4	12.4	7.4	0.0
40°	44.8	31.2	22.3	16.9	12.7	7.7	0.0
37.5°	48.1	32.8	23.6	17.5	12.9	7.9	0.0
35°	51.2	35.0	24.8	18.0	13.2	8.2	0.0
32.5°	56.3	37.4	25.9	18.5	13.4	8.4	0.0
30°	65.6	39.7	27.0	18.9	13.7	8.7	0.0
27.5°	74.4	41.8	28.0	19.4	13.9	8.9	0.0
25°	82.4	43.8	28.9	19.7	14.1	9.1	0.0
22.5°	89.7	45.6	29.7	20.1	14.2	9.2	0.0
20°	96.3	47.2	30.5	20.4	14.4	9.4	0.0
17.5°	102.1	48.6	31.1	20.7	14.5	9.5	0.0
15°	107.2	49.8	31.7	20.9	14.7	9.7	0.0
12.5°	111.6	50.9	32.2	21.1	14.8	9.8	0.0
10°	115.1	51.8	32.6	21.3	14.8	9.8	0.0
7.5°	117.9	52.4	32.9	21.4	14.9	9.9	0.0
5°	119.9	52.9	33.1	21.5	15.0	10.0	0.0
2.5°	121.1	53.2	33.3	21.6	15.0	10.0	0.0
0°	121.5	53.3	33.3	21.6	15.0	10.0	0.0
-2.5°	121.1	53.2	33.3	21.6	15.0	10.0	0.0
-5°	119.9	52.9	33.1	21.5	15.0	10.0	0.0
-7.5°	117.9	52.4	32.9	21.4	14.9	9.9	0.0
-10°	115.1	51.8	32.6	21.3	14.8	9.8	0.0
-12.5°	111.6	50.9	32.2	21.1	14.8	9.8	0.0
-15°	107.2	49.8	31.7	20.9	14.7	9.7	0.0
-17.5°	102.1	48.6	31.1	20.7	14.5	9.5	0.0
-20°	96.3	47.2	30.5	20.4	14.4	9.4	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	89.7	45.6	29.7	20.1	14.2	9.2	0.0
-25°	82.4	43.8	28.9	19.7	14.1	9.1	0.0
-27.5°	74.4	41.8	28.0	19.4	13.9	8.9	0.0
-30°	65.6	39.7	27.0	18.9	13.7	8.7	0.0
-32.5°	56.3	37.4	25.9	18.5	13.4	8.4	0.0
-35°	51.2	35.0	24.8	18.0	13.2	8.2	0.0
-37.5°	48.1	32.8	23.6	17.5	12.9	7.9	0.0
-40°	44.8	31.2	22.3	16.9	12.7	7.7	0.0
-42.5°	41.3	29.5	21.2	16.4	12.4	7.4	0.0
-45°	37.7	27.7	20.4	15.8	12.1	7.1	0.0
-47.5°	33.9	25.9	19.6	15.2	11.8	6.8	0.0
-50°	31.3	23.9	18.7	14.6	11.4	6.4	0.0
-52.5°	28.9	21.9	17.8	14.1	11.1	6.1	0.0
-55°	26.5	20.6	16.9	13.6	10.7	5.7	0.0
-57.5°	23.9	19.4	15.9	13.0	10.4	5.4	0.0
-60°	21.4	18.2	15.0	12.5	10.0	5.0	0.0
-62.5°	19.9	16.9	14.2	11.9	9.2	4.6	0.0
-65°	18.4	15.7	13.4	11.3	8.4	4.2	0.0
-67.5°	16.8	14.5	12.6	10.7	7.6	3.8	0.0
-70°	15.2	13.5	11.8	10.1	6.8	3.4	0.0
-72.5°	13.9	12.5	11.0	9.0	6.0	3.0	0.0
-75°	12.7	11.4	10.2	7.7	5.2	2.6	0.0
-77.5°	11.4	10.4	8.6	6.5	4.3	2.2	0.0
-80°	10.2	8.6	6.9	5.2	3.5	1.7	0.0
-82.5°	7.7	6.5	5.2	3.9	2.6	1.3	0.0
-85°	5.2	4.3	3.5	2.6	1.7	0.9	0.0
-87.5°	2.6	2.2	1.7	1.3	0.9	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)