

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: P1305369 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320L-57-70-5S-HEG-A**

Issue Date: 2/3/2026

Test Information

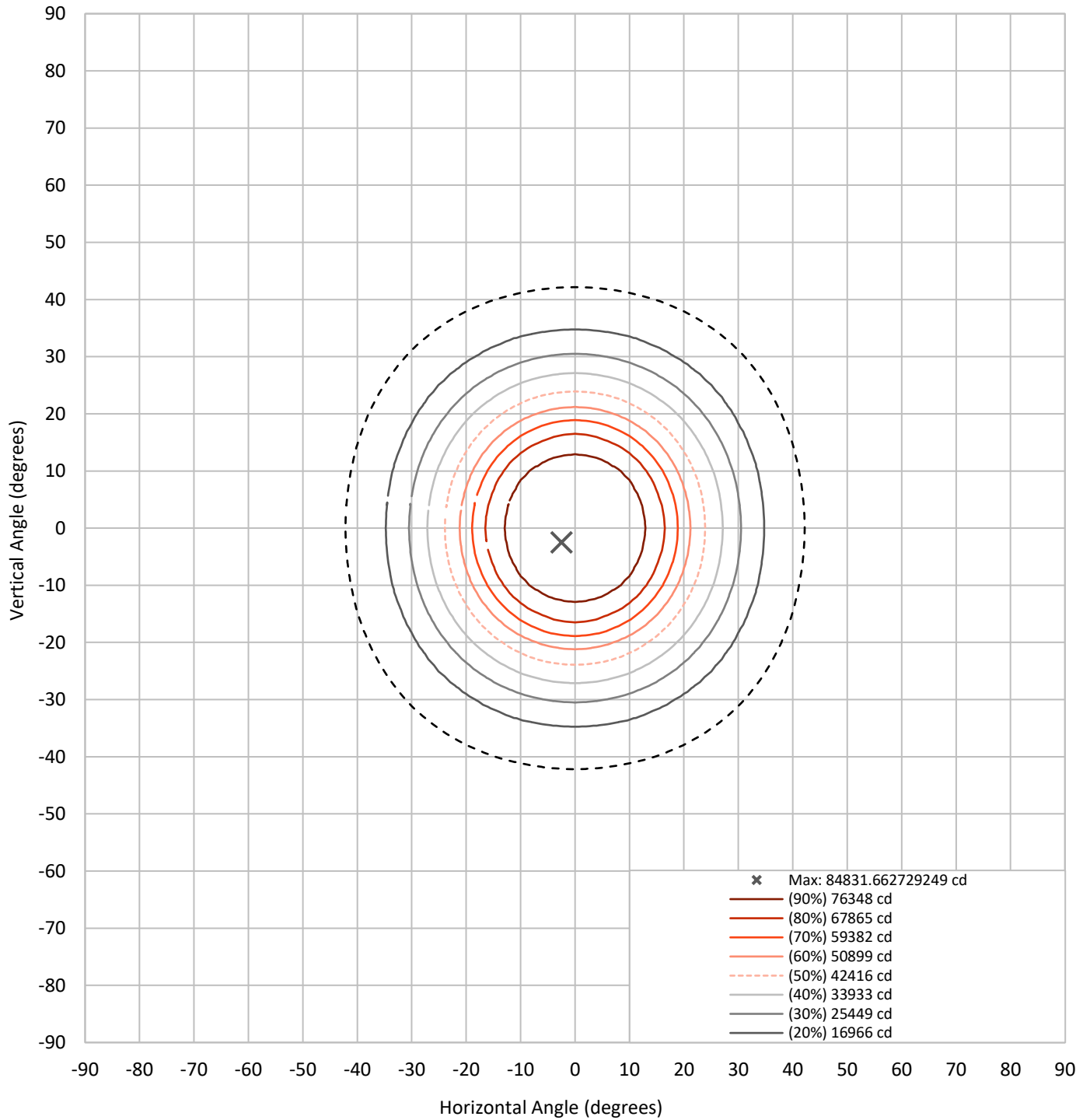
Test Method: LM-79-08
Report Number: P1305369 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-5)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-320L-57-70-5S-HEG-A
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 5S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	62006.8 lumens	Max Intensity:	84831.7 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	185.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	47.6°H x 47.6°V	Field Angle (10%):	84.3°H x 84.3°V
Beam Lumens:	34785.8 lumens	Field Lumens:	57775 lumens
Beam Efficiency:	56.1%	Field Efficiency:	93.2%
Input Watts (W):	334		
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





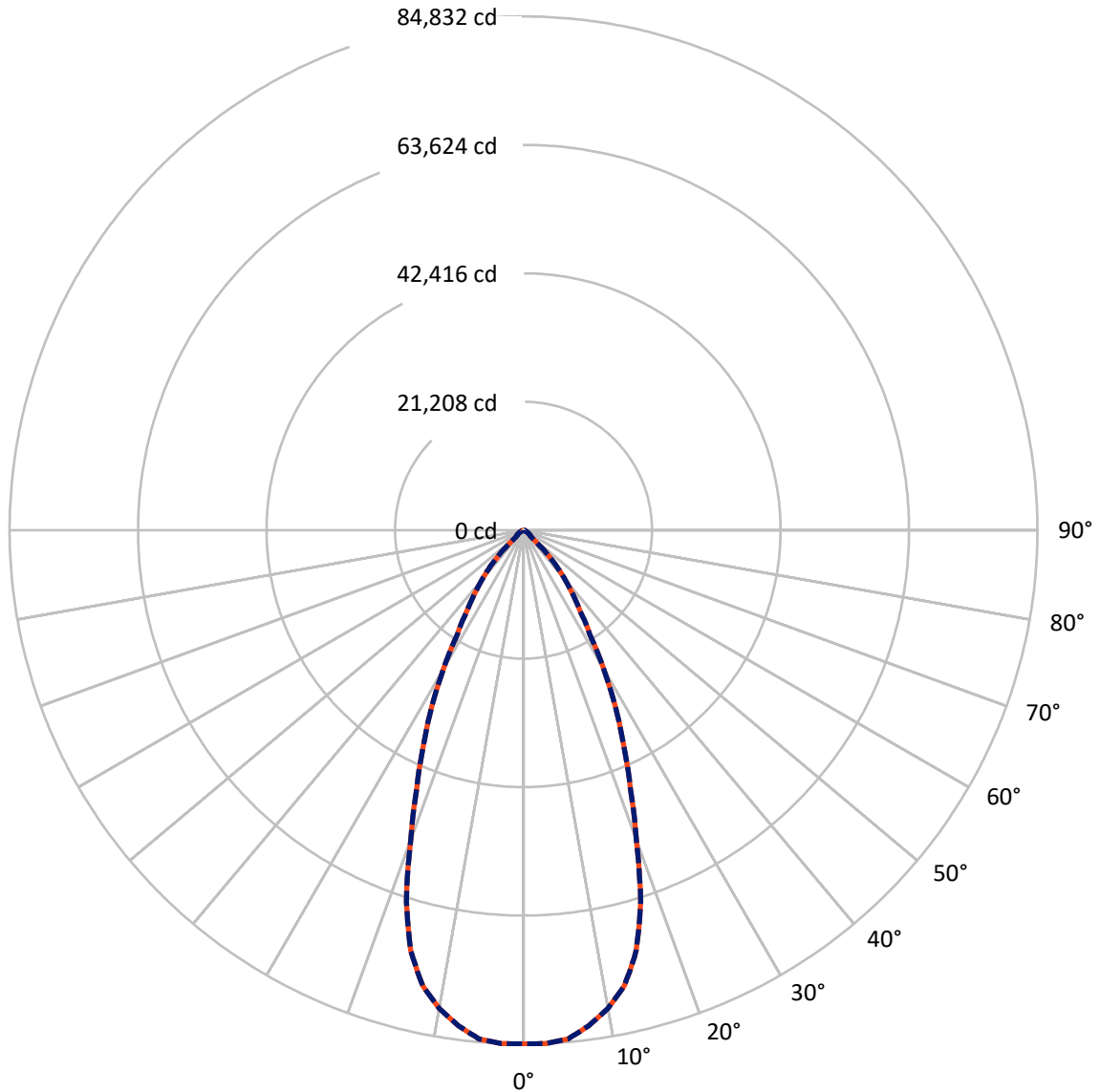
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Lumen Table

90	0.1	0.6	2.0	4.2	5.3	4.2	2.0	0.6	0.1							
80	0.1	0.6	2.0	4.2	5.3	4.2	2.0	0.6	0.1							
70	0.3	0.3	1.0	2.7	5.5	8.9	12.1	13.9	13.9	12.1	8.9	5.5	2.7	1.0	0.3	0.3
60		0.8	3.1	8.5	16.7	25.5	32.1	35.7	35.7	32.1	25.5	16.7	8.5	3.1	0.8	
50	0.6	1.7	7.0	17.7	30.6	55.2	112.4	158.2	158.2	112.4	55.2	30.6	17.7	7.0	1.7	0.6
40		2.9	11.8	26.5	77.0	233.0	393.3	503.9	503.9	393.3	233.0	77.0	26.5	11.8	2.9	
30	1.2	4.3	16.3	43.6	211.7	481.6	861.8	1156.7	1156.7	861.8	481.6	211.7	43.6	16.3	4.3	1.2
20		5.5	19.3	84.2	335.7	811.1	1507.2	2053.4	2053.4	1507.2	811.1	335.7	84.2	19.3	5.5	
10	1.4	6.1	20.8	115.2	417.8	1056.8	1993.6	2488.6	2488.6	1993.6	1056.8	417.8	115.2	20.8	6.1	1.4
0		6.1	20.8	115.2	417.8	1056.8	1993.6	2488.6	2488.6	1993.6	1056.8	417.8	115.2	20.8	6.1	
-10	1.2	5.5	19.3	84.2	335.7	811.1	1507.2	2053.4	2053.4	1507.2	811.1	335.7	84.2	19.3	5.5	1.2
-20		4.3	16.3	43.6	211.7	481.6	861.8	1156.7	1156.7	861.8	481.6	211.7	43.6	16.3	4.3	
-30	0.6	2.9	11.8	26.5	77.0	233.0	393.3	503.9	503.9	393.3	233.0	77.0	26.5	11.8	2.9	0.6
-40		1.7	7.0	17.7	30.6	55.2	112.4	158.2	158.2	112.4	55.2	30.6	17.7	7.0	1.7	
-50	0.3	0.8	3.1	8.5	16.7	25.5	32.1	35.7	35.7	32.1	25.5	16.7	8.5	3.1	0.8	0.3
-60		0.3	1.0	2.7	5.5	8.9	12.1	13.9	13.9	12.1	8.9	5.5	2.7	1.0	0.3	
-70	0.1	0.6	2.0	4.2	5.3	4.2	2.0	0.6	0.1							
-80		0.1	0.6	2.0	4.2	5.3	4.2	2.0	0.6	0.1						
-90	0.1	0.6	2.0	4.2	5.3	4.2	2.0	0.6	0.1							

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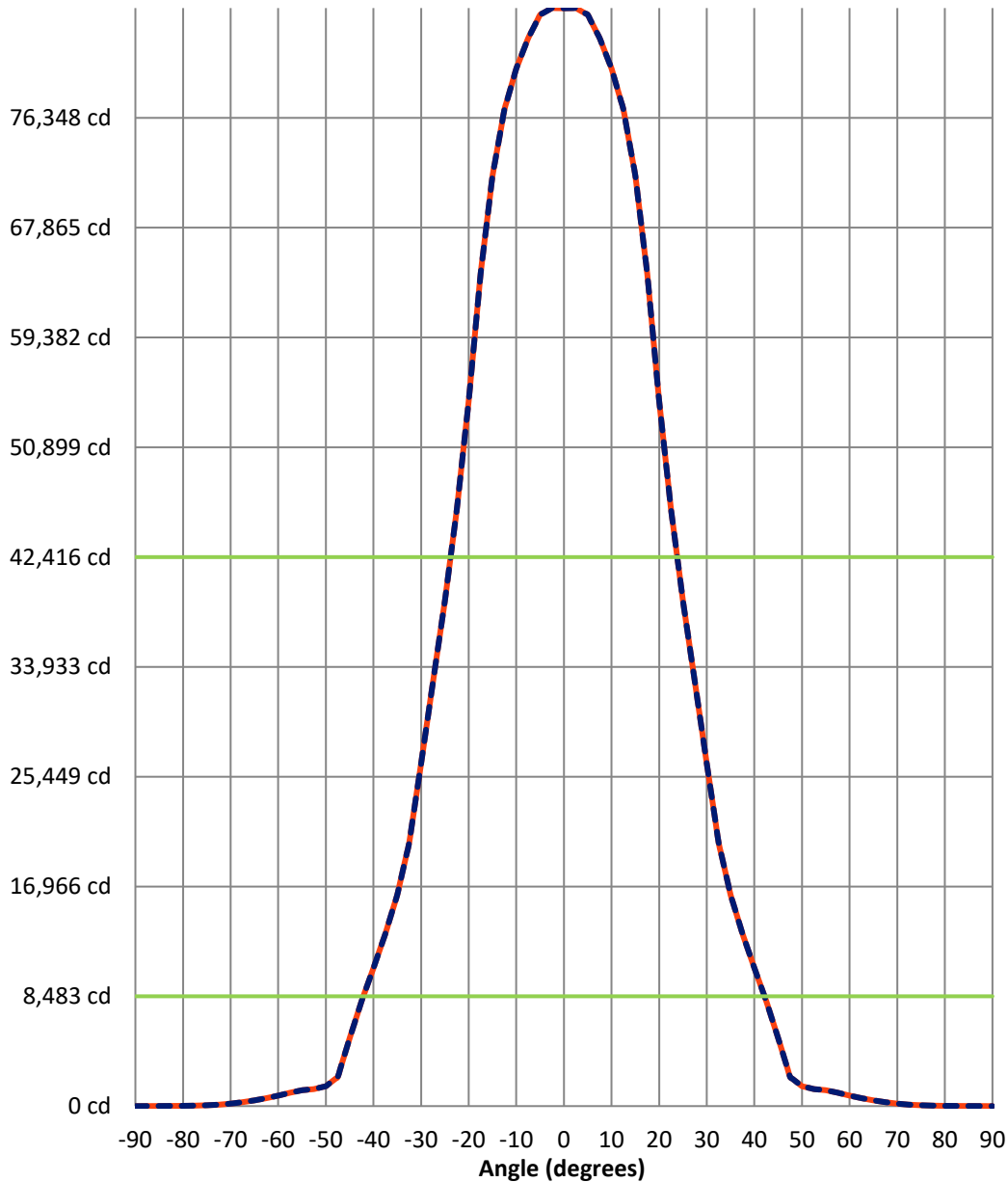
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through -2.5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 47.6°
 V Angle: 47.6°
 Lumens: 34785.8
 Efficiency: 56.1%

Field:
 H Angle: 84.3°
 V Angle: 84.3°
 Lumens: 57775
 Efficiency: 93.2%

Spill:
 Lumens: 4231.8
 Efficiency: 6.8%

- Vertical Distribution through -2.5-Deg
- - Horizontal Distribution through -2.5-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	0.2	0.4	0.5	0.7	0.9	1.1	1.2	1.4	1.6	1.7
85°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.8	3.1	3.5
82.5°	0.0	0.5	1.1	1.6	2.1	2.7	3.2	3.7	4.2	4.7	5.2
80°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.6	6.2	6.9
77.5°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.1	7.0	7.8	8.7
75°	0.0	1.1	2.1	3.2	4.2	5.3	6.3	7.3	8.4	9.6	10.9
72.5°	0.0	1.2	2.5	3.7	4.9	6.1	7.3	8.6	10.1	11.5	13.0
70°	0.0	1.4	2.8	4.2	5.6	7.0	8.4	10.1	11.8	13.5	15.7
67.5°	0.0	1.6	3.1	4.7	6.2	7.8	9.6	11.5	13.5	16.1	18.6
65°	0.0	1.7	3.5	5.2	6.9	8.7	10.9	13.0	15.7	18.6	22.5
62.5°	0.0	1.9	3.8	5.7	7.5	9.7	12.1	14.8	18.0	21.8	28.9
60°	0.0	2.0	4.1	6.1	8.2	10.7	13.3	16.7	20.2	27.4	35.1
57.5°	0.0	2.2	4.4	6.6	8.9	11.7	14.8	18.6	24.5	32.9	44.5
55°	0.0	2.4	4.7	7.0	9.7	12.6	16.4	20.4	29.3	39.2	55.3
52.5°	0.0	2.5	5.0	7.5	10.4	13.6	17.9	24.2	33.9	48.7	65.8
50°	0.0	2.6	5.3	7.9	11.1	14.8	19.4	28.2	39.5	57.8	80.1
47.5°	0.0	2.8	5.5	8.3	11.8	16.0	21.1	32.0	47.3	66.7	94.4
45°	0.0	2.9	5.8	8.8	12.5	17.2	24.2	35.6	54.9	79.0	108.3
42.5°	0.0	3.0	6.0	9.3	13.1	18.2	27.2	40.8	62.2	90.9	131.8
40°	0.0	3.1	6.3	9.7	13.8	19.3	30.1	46.8	70.2	102.4	155.9
37.5°	0.0	3.3	6.5	10.2	14.6	20.3	32.8	52.6	79.8	115.9	179.0
35°	0.0	3.4	6.7	10.6	15.4	22.0	35.4	58.1	88.9	135.5	203.9
32.5°	0.0	3.5	6.9	10.9	16.1	24.0	38.4	63.2	97.5	154.0	232.1
30°	0.0	3.6	7.1	11.3	16.7	25.9	42.5	68.5	105.5	171.3	258.4
27.5°	0.0	3.6	7.3	11.6	17.3	27.7	46.3	75.0	115.5	187.3	283.0
25°	0.0	3.7	7.4	11.9	17.9	29.3	49.8	81.0	128.6	205.7	305.9
22.5°	0.0	3.8	7.6	12.2	18.4	30.7	53.0	86.5	140.5	224.1	331.7
20°	0.0	3.9	7.7	12.5	18.8	32.1	55.9	91.4	151.3	240.8	355.1
17.5°	0.0	3.9	7.8	12.7	19.3	33.2	58.4	95.8	160.8	255.6	375.8
15°	0.0	4.0	7.9	12.9	19.6	34.2	60.7	99.6	169.2	268.5	394.0
12.5°	0.0	4.0	8.0	13.0	19.9	35.1	62.6	102.8	176.3	279.5	409.4
10°	0.0	4.0	8.1	13.2	20.2	35.8	64.1	105.5	182.1	288.5	422.1
7.5°	0.0	4.1	8.1	13.3	20.4	36.4	65.3	107.5	186.6	295.6	432.0
5°	0.0	4.1	8.2	13.3	20.5	36.8	66.2	109.0	189.9	300.6	439.1
2.5°	0.0	4.1	8.2	13.4	20.6	37.0	66.7	109.9	191.8	303.7	443.4
0°	0.0	4.1	8.2	13.4	20.6	37.1	66.9	110.2	192.5	304.7	444.8
-2.5°	0.0	4.1	8.2	13.4	20.6	37.1	66.9	110.2	192.5	304.7	444.8
-5°	0.0	4.1	8.2	13.3	20.5	36.8	66.2	109.0	189.9	300.6	439.1
-7.5°	0.0	4.1	8.1	13.3	20.4	36.4	65.3	107.5	186.6	295.6	432.0
-10°	0.0	4.0	8.1	13.2	20.2	35.8	64.1	105.5	182.1	288.5	422.1
-12.5°	0.0	4.0	8.0	13.0	19.9	35.1	62.6	102.8	176.3	279.5	409.4
-15°	0.0	4.0	7.9	12.9	19.6	34.2	60.7	99.6	169.2	268.5	394.0
-17.5°	0.0	3.9	7.8	12.7	19.3	33.2	58.4	95.8	160.8	255.6	375.8
-20°	0.0	3.9	7.7	12.5	18.8	32.1	55.9	91.4	151.3	240.8	355.1



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 CATALOG NUMBER: EPH-08-320L-57-70-5S-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	3.8	7.6	12.2	18.4	30.7	53.0	86.5	140.5	224.1	331.7
-25°	0.0	3.7	7.4	11.9	17.9	29.3	49.8	81.0	128.6	205.7	305.9
-27.5°	0.0	3.6	7.3	11.6	17.3	27.7	46.3	75.0	115.5	187.3	283.0
-30°	0.0	3.6	7.1	11.3	16.7	25.9	42.5	68.5	105.5	171.3	258.4
-32.5°	0.0	3.5	6.9	10.9	16.1	24.0	38.4	63.2	97.5	154.0	232.1
-35°	0.0	3.4	6.7	10.6	15.4	22.0	35.4	58.1	88.9	135.5	203.9
-37.5°	0.0	3.3	6.5	10.2	14.6	20.3	32.8	52.6	79.8	115.9	179.0
-40°	0.0	3.1	6.3	9.7	13.8	19.3	30.1	46.8	70.2	102.4	155.9
-42.5°	0.0	3.0	6.0	9.3	13.1	18.2	27.2	40.8	62.2	90.9	131.8
-45°	0.0	2.9	5.8	8.8	12.5	17.2	24.2	35.6	54.9	79.0	108.3
-47.5°	0.0	2.8	5.5	8.3	11.8	16.0	21.1	32.0	47.3	66.7	94.4
-50°	0.0	2.6	5.3	7.9	11.1	14.8	19.4	28.2	39.5	57.8	80.1
-52.5°	0.0	2.5	5.0	7.5	10.4	13.6	17.9	24.2	33.9	48.7	65.8
-55°	0.0	2.4	4.7	7.0	9.7	12.6	16.4	20.4	29.3	39.2	55.3
-57.5°	0.0	2.2	4.4	6.6	8.9	11.7	14.8	18.6	24.5	32.9	44.5
-60°	0.0	2.0	4.1	6.1	8.2	10.7	13.3	16.7	20.2	27.4	35.1
-62.5°	0.0	1.9	3.8	5.7	7.5	9.7	12.1	14.8	18.0	21.8	28.9
-65°	0.0	1.7	3.5	5.2	6.9	8.7	10.9	13.0	15.7	18.6	22.5
-67.5°	0.0	1.6	3.1	4.7	6.2	7.8	9.6	11.5	13.5	16.1	18.6
-70°	0.0	1.4	2.8	4.2	5.6	7.0	8.4	10.1	11.8	13.5	15.7
-72.5°	0.0	1.2	2.5	3.7	4.9	6.1	7.3	8.6	10.1	11.5	13.0
-75°	0.0	1.1	2.1	3.2	4.2	5.3	6.3	7.3	8.4	9.6	10.9
-77.5°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.1	7.0	7.8	8.7
-80°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.6	6.2	6.9
-82.5°	0.0	0.5	1.1	1.6	2.1	2.7	3.2	3.7	4.2	4.7	5.2
-85°	0.0	0.4	0.7	1.1	1.4	1.8	2.1	2.5	2.8	3.1	3.5
-87.5°	0.0	0.2	0.4	0.5	0.7	0.9	1.1	1.2	1.4	1.6	1.7
-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: P1305369 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320L-57-70-5S-HEG-A

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°	1.9	2.0	2.2	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.3
85°	3.8	4.1	4.4	4.7	5.0	5.3	5.5	5.8	6.0	6.3	6.5
82.5°	5.7	6.1	6.6	7.0	7.5	7.9	8.3	8.8	9.3	9.7	10.2
80°	7.5	8.2	8.9	9.7	10.4	11.1	11.8	12.5	13.1	13.8	14.6
77.5°	9.7	10.7	11.7	12.6	13.6	14.8	16.0	17.2	18.2	19.3	20.3
75°	12.1	13.3	14.8	16.4	17.9	19.4	21.1	24.2	27.2	30.1	32.8
72.5°	14.8	16.7	18.6	20.4	24.2	28.2	32.0	35.6	40.8	46.8	52.6
70°	18.0	20.2	24.5	29.3	33.9	39.5	47.3	54.9	62.2	70.2	79.8
67.5°	21.8	27.4	32.9	39.2	48.7	57.8	66.7	79.0	90.9	102.4	115.9
65°	28.9	35.1	44.5	55.3	65.8	80.1	94.4	108.3	131.8	155.9	179.0
62.5°	35.9	47.2	59.3	73.1	89.9	106.1	132.5	161.5	189.3	224.6	259.3
60°	47.2	60.7	77.0	95.8	117.5	151.3	184.0	224.1	265.7	305.9	353.5
57.5°	59.3	77.0	97.7	125.0	162.6	201.7	250.1	297.0	351.6	405.9	460.6
55°	73.1	95.8	125.0	166.4	212.1	265.9	321.5	384.7	446.0	517.6	586.2
52.5°	89.9	117.5	162.6	212.1	271.1	334.7	404.7	478.8	558.9	639.2	724.7
50°	106.1	151.3	201.7	265.9	334.7	411.4	495.3	583.8	678.0	773.7	872.7
47.5°	132.5	184.0	250.1	321.5	404.7	495.3	592.2	697.6	803.4	918.1	1029.8
45°	161.5	224.1	297.0	384.7	478.8	583.8	697.6	813.3	941.0	1060.8	1163.5
42.5°	189.3	265.7	351.6	446.0	558.9	678.0	803.4	941.0	1070.9	1183.9	1258.9
40°	224.6	305.9	405.9	517.6	639.2	773.7	918.1	1060.8	1183.9	1263.5	1315.3
37.5°	259.3	353.5	460.6	586.2	724.7	872.7	1029.8	1163.5	1258.9	1315.3	1453.0
35°	292.4	398.7	520.8	657.1	806.3	972.4	1123.0	1245.0	1305.8	1440.5	1695.9
32.5°	328.2	441.5	577.8	728.8	893.4	1063.2	1210.8	1287.0	1403.0	1613.3	2119.0
30°	364.7	489.8	633.9	796.2	976.4	1140.4	1259.3	1341.2	1513.5	1992.8	3358.8
27.5°	398.7	535.6	691.8	865.5	1051.9	1212.8	1294.2	1438.5	1785.2	2634.2	4977.0
25°	430.2	577.8	745.4	932.0	1114.1	1253.1	1340.7	1529.2	2098.9	4054.9	6425.8
22.5°	462.0	616.7	794.5	992.9	1171.2	1280.8	1418.4	1770.1	2792.9	5369.5	7755.1
20°	493.7	657.1	842.4	1046.7	1223.0	1306.0	1489.1	2016.0	3913.6	6503.6	8891.9
17.5°	521.9	693.2	887.5	1089.2	1248.3	1345.6	1575.4	2236.8	4922.0	7526.8	9880.5
15°	546.5	724.7	926.9	1126.4	1266.5	1396.9	1754.6	2970.3	5781.2	8404.3	10758.1
12.5°	567.5	751.6	960.5	1158.1	1282.0	1440.7	1908.1	3674.9	6499.3	9101.6	11546.2
10°	584.8	773.7	988.2	1184.3	1294.8	1477.0	2035.1	4258.2	7094.9	9681.0	12202.4
7.5°	598.3	791.0	1009.8	1204.8	1304.8	1505.4	2134.7	4716.4	7563.3	10137.4	12720.3
5°	607.9	803.4	1025.3	1219.5	1312.0	1525.8	2206.3	5046.1	7900.7	10466.6	13094.4
2.5°	613.8	810.8	1034.7	1228.3	1316.4	1538.1	2249.5	5245.0	8104.3	10665.4	13320.6
0°	615.7	813.3	1037.8	1231.3	1317.8	1542.2	2263.9	5311.4	8172.4	10731.9	13396.3
-2.5°	613.8	810.8	1034.7	1228.3	1316.4	1538.1	2249.5	5245.0	8104.3	10665.4	13320.6
-5°	607.9	803.4	1025.3	1219.5	1312.0	1525.8	2206.3	5046.1	7900.7	10466.6	13094.4
-7.5°	598.3	791.0	1009.8	1204.8	1304.8	1505.4	2134.7	4716.4	7563.3	10137.4	12720.3
-10°	584.8	773.7	988.2	1184.3	1294.8	1477.0	2035.1	4258.2	7094.9	9681.0	12202.4
-12.5°	567.5	751.6	960.5	1158.1	1282.0	1440.7	1908.1	3674.9	6499.3	9101.6	11546.2
-15°	546.5	724.7	926.9	1126.4	1266.5	1396.9	1754.6	2970.3	5781.2	8404.3	10758.1
-17.5°	521.9	693.2	887.5	1089.2	1248.3	1345.6	1575.4	2236.8	4922.0	7526.8	9880.5
-20°	493.7	657.1	842.4	1046.7	1223.0	1306.0	1489.1	2016.0	3913.6	6503.6	8891.9



REPORT NUMBER: P1305369 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320L-57-70-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	462.0	616.7	794.5	992.9	1171.2	1280.8	1418.4	1770.1	2792.9	5369.5	7755.1
-25°	430.2	577.8	745.4	932.0	1114.1	1253.1	1340.7	1529.2	2098.9	4054.9	6425.8
-27.5°	398.7	535.6	691.8	865.5	1051.9	1212.8	1294.2	1438.5	1785.2	2634.2	4977.0
-30°	364.7	489.8	633.9	796.2	976.4	1140.4	1259.3	1341.2	1513.5	1992.8	3358.8
-32.5°	328.2	441.5	577.8	728.8	893.4	1063.2	1210.8	1287.0	1403.0	1613.3	2119.0
-35°	292.4	398.7	520.8	657.1	806.3	972.4	1123.0	1245.0	1305.8	1440.5	1695.9
-37.5°	259.3	353.5	460.6	586.2	724.7	872.7	1029.8	1163.5	1258.9	1315.3	1453.0
-40°	224.6	305.9	405.9	517.6	639.2	773.7	918.1	1060.8	1183.9	1263.5	1315.3
-42.5°	189.3	265.7	351.6	446.0	558.9	678.0	803.4	941.0	1070.9	1183.9	1258.9
-45°	161.5	224.1	297.0	384.7	478.8	583.8	697.6	813.3	941.0	1060.8	1163.5
-47.5°	132.5	184.0	250.1	321.5	404.7	495.3	592.2	697.6	803.4	918.1	1029.8
-50°	106.1	151.3	201.7	265.9	334.7	411.4	495.3	583.8	678.0	773.7	872.7
-52.5°	89.9	117.5	162.6	212.1	271.1	334.7	404.7	478.8	558.9	639.2	724.7
-55°	73.1	95.8	125.0	166.4	212.1	265.9	321.5	384.7	446.0	517.6	586.2
-57.5°	59.3	77.0	97.7	125.0	162.6	201.7	250.1	297.0	351.6	405.9	460.6
-60°	47.2	60.7	77.0	95.8	117.5	151.3	184.0	224.1	265.7	305.9	353.5
-62.5°	35.9	47.2	59.3	73.1	89.9	106.1	132.5	161.5	189.3	224.6	259.3
-65°	28.9	35.1	44.5	55.3	65.8	80.1	94.4	108.3	131.8	155.9	179.0
-67.5°	21.8	27.4	32.9	39.2	48.7	57.8	66.7	79.0	90.9	102.4	115.9
-70°	18.0	20.2	24.5	29.3	33.9	39.5	47.3	54.9	62.2	70.2	79.8
-72.5°	14.8	16.7	18.6	20.4	24.2	28.2	32.0	35.6	40.8	46.8	52.6
-75°	12.1	13.3	14.8	16.4	17.9	19.4	21.1	24.2	27.2	30.1	32.8
-77.5°	9.7	10.7	11.7	12.6	13.6	14.8	16.0	17.2	18.2	19.3	20.3
-80°	7.5	8.2	8.9	9.7	10.4	11.1	11.8	12.5	13.1	13.8	14.6
-82.5°	5.7	6.1	6.6	7.0	7.5	7.9	8.3	8.8	9.3	9.7	10.2
-85°	3.8	4.1	4.4	4.7	5.0	5.3	5.5	5.8	6.0	6.3	6.5
-87.5°	1.9	2.0	2.2	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305369 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.4	3.5	3.6	3.6	3.7	3.8	3.9	3.9	4.0	4.0	4.0
85°	6.7	6.9	7.1	7.3	7.4	7.6	7.7	7.8	7.9	8.0	8.1
82.5°	10.6	10.9	11.3	11.6	11.9	12.2	12.5	12.7	12.9	13.0	13.2
80°	15.4	16.1	16.7	17.3	17.9	18.4	18.8	19.3	19.6	19.9	20.2
77.5°	22.0	24.0	25.9	27.7	29.3	30.7	32.1	33.2	34.2	35.1	35.8
75°	35.4	38.4	42.5	46.3	49.8	53.0	55.9	58.4	60.7	62.6	64.1
72.5°	58.1	63.2	68.5	75.0	81.0	86.5	91.4	95.8	99.6	102.8	105.5
70°	88.9	97.5	105.5	115.5	128.6	140.5	151.3	160.8	169.2	176.3	182.1
67.5°	135.5	154.0	171.3	187.3	205.7	224.1	240.8	255.6	268.5	279.5	288.5
65°	203.9	232.1	258.4	283.0	305.9	331.7	355.1	375.8	394.0	409.4	422.1
62.5°	292.4	328.2	364.7	398.7	430.2	462.0	493.7	521.9	546.5	567.5	584.8
60°	398.7	441.5	489.8	535.6	577.8	616.7	657.1	693.2	724.7	751.6	773.7
57.5°	520.8	577.8	633.9	691.8	745.4	794.5	842.4	887.5	926.9	960.5	988.2
55°	657.1	728.8	796.2	865.5	932.0	992.9	1046.7	1089.2	1126.4	1158.1	1184.3
52.5°	806.3	893.4	976.4	1051.9	1114.1	1171.2	1223.0	1248.3	1266.5	1282.0	1294.8
50°	972.4	1063.2	1140.4	1212.8	1253.1	1280.8	1306.0	1345.6	1396.9	1440.7	1477.0
47.5°	1123.0	1210.8	1259.3	1294.2	1340.7	1418.4	1489.1	1575.4	1754.6	1908.1	2035.1
45°	1245.0	1287.0	1341.2	1438.5	1529.2	1770.1	2016.0	2236.8	2970.3	3674.9	4258.2
42.5°	1305.8	1403.0	1513.5	1785.2	2098.9	2792.9	3913.6	4922.0	5781.2	6499.3	7094.9
40°	1440.5	1613.3	1992.8	2634.2	4054.9	5369.5	6503.6	7526.8	8404.3	9101.6	9681.0
37.5°	1695.9	2119.0	3358.8	4977.0	6425.8	7755.1	8891.9	9880.5	10758.1	11546.2	12202.4
35°	2161.4	3725.1	5525.0	7144.5	8619.4	9895.2	11085.2	12196.4	13184.8	14127.5	14938.4
32.5°	3725.1	5702.2	7508.4	9120.3	10579.5	11996.6	13313.7	14663.6	15878.7	17110.3	18295.8
30°	5525.0	7508.4	9288.7	10934.6	12554.5	14170.1	15776.6	17527.8	19293.8	21030.9	23022.0
27.5°	7144.5	9120.3	10934.6	12742.3	14611.0	16473.9	18787.8	21153.9	24099.0	26682.3	28906.4
25°	8619.4	10579.5	12554.5	14611.0	16782.9	19430.0	22690.0	26220.4	29473.1	32351.5	34783.3
22.5°	9895.2	11996.6	14170.1	16473.9	19430.0	23209.3	27317.5	31204.1	34738.6	37867.4	40706.6
20°	11085.2	13313.7	15776.6	18787.8	22690.0	27317.5	31791.2	35963.7	39857.6	43749.0	47241.6
17.5°	12196.4	14663.6	17527.8	21153.9	26220.4	31204.1	35963.7	40601.4	45326.3	50238.3	54726.1
15°	13184.8	15878.7	19293.8	24099.0	29473.1	34738.6	39857.6	45326.3	51266.2	57257.5	63132.7
12.5°	14127.5	17110.3	21030.9	26682.3	32351.5	37867.4	43749.0	50238.3	57257.5	64559.6	69607.9
10°	14938.4	18295.8	23022.0	28906.4	34783.3	40706.6	47241.6	54726.1	63132.7	69607.9	74463.4
7.5°	15579.8	19236.2	24606.6	30684.1	36732.8	43159.6	50530.4	59017.5	67288.7	73485.1	77409.8
5°	16044.0	19918.2	25759.0	31981.4	38161.6	44968.0	52973.9	62273.4	70101.4	75740.4	79197.3
2.5°	16324.9	20331.6	26459.0	32771.4	39034.5	46077.5	54481.6	64299.1	71872.4	76989.9	80157.5
0°	16419.0	20470.2	26693.8	33036.7	39328.2	46451.6	54991.6	64987.3	72478.2	77373.7	80485.9
-2.5°	16324.9	20331.6	26459.0	32771.4	39034.5	46077.5	54481.6	64299.1	71872.4	76989.9	80157.5
-5°	16044.0	19918.2	25759.0	31981.4	38161.6	44968.0	52973.9	62273.4	70101.4	75740.4	79197.3
-7.5°	15579.8	19236.2	24606.6	30684.1	36732.8	43159.6	50530.4	59017.5	67288.7	73485.1	77409.8
-10°	14938.4	18295.8	23022.0	28906.4	34783.3	40706.6	47241.6	54726.1	63132.7	69607.9	74463.4
-12.5°	14127.5	17110.3	21030.9	26682.3	32351.5	37867.4	43749.0	50238.3	57257.5	64559.6	69607.9
-15°	13184.8	15878.7	19293.8	24099.0	29473.1	34738.6	39857.6	45326.3	51266.2	57257.5	63132.7
-17.5°	12196.4	14663.6	17527.8	21153.9	26220.4	31204.1	35963.7	40601.4	45326.3	50238.3	54726.1
-20°	11085.2	13313.7	15776.6	18787.8	22690.0	27317.5	31791.2	35963.7	39857.6	43749.0	47241.6



REPORT NUMBER: P1305369 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320L-57-70-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9895.2	11996.6	14170.1	16473.9	19430.0	23209.3	27317.5	31204.1	34738.6	37867.4	40706.6
-25°	8619.4	10579.5	12554.5	14611.0	16782.9	19430.0	22690.0	26220.4	29473.1	32351.5	34783.3
-27.5°	7144.5	9120.3	10934.6	12742.3	14611.0	16473.9	18787.8	21153.9	24099.0	26682.3	28906.4
-30°	5525.0	7508.4	9288.7	10934.6	12554.5	14170.1	15776.6	17527.8	19293.8	21030.9	23022.0
-32.5°	3725.1	5702.2	7508.4	9120.3	10579.5	11996.6	13313.7	14663.6	15878.7	17110.3	18295.8
-35°	2161.4	3725.1	5525.0	7144.5	8619.4	9895.2	11085.2	12196.4	13184.8	14127.5	14938.4
-37.5°	1695.9	2119.0	3358.8	4977.0	6425.8	7755.1	8891.9	9880.5	10758.1	11546.2	12202.4
-40°	1440.5	1613.3	1992.8	2634.2	4054.9	5369.5	6503.6	7526.8	8404.3	9101.6	9681.0
-42.5°	1305.8	1403.0	1513.5	1785.2	2098.9	2792.9	3913.6	4922.0	5781.2	6499.3	7094.9
-45°	1245.0	1287.0	1341.2	1438.5	1529.2	1770.1	2016.0	2236.8	2970.3	3674.9	4258.2
-47.5°	1123.0	1210.8	1259.3	1294.2	1340.7	1418.4	1489.1	1575.4	1754.6	1908.1	2035.1
-50°	972.4	1063.2	1140.4	1212.8	1253.1	1280.8	1306.0	1345.6	1396.9	1440.7	1477.0
-52.5°	806.3	893.4	976.4	1051.9	1114.1	1171.2	1223.0	1248.3	1266.5	1282.0	1294.8
-55°	657.1	728.8	796.2	865.5	932.0	992.9	1046.7	1089.2	1126.4	1158.1	1184.3
-57.5°	520.8	577.8	633.9	691.8	745.4	794.5	842.4	887.5	926.9	960.5	988.2
-60°	398.7	441.5	489.8	535.6	577.8	616.7	657.1	693.2	724.7	751.6	773.7
-62.5°	292.4	328.2	364.7	398.7	430.2	462.0	493.7	521.9	546.5	567.5	584.8
-65°	203.9	232.1	258.4	283.0	305.9	331.7	355.1	375.8	394.0	409.4	422.1
-67.5°	135.5	154.0	171.3	187.3	205.7	224.1	240.8	255.6	268.5	279.5	288.5
-70°	88.9	97.5	105.5	115.5	128.6	140.5	151.3	160.8	169.2	176.3	182.1
-72.5°	58.1	63.2	68.5	75.0	81.0	86.5	91.4	95.8	99.6	102.8	105.5
-75°	35.4	38.4	42.5	46.3	49.8	53.0	55.9	58.4	60.7	62.6	64.1
-77.5°	22.0	24.0	25.9	27.7	29.3	30.7	32.1	33.2	34.2	35.1	35.8
-80°	15.4	16.1	16.7	17.3	17.9	18.4	18.8	19.3	19.6	19.9	20.2
-82.5°	10.6	10.9	11.3	11.6	11.9	12.2	12.5	12.7	12.9	13.0	13.2
-85°	6.7	6.9	7.1	7.3	7.4	7.6	7.7	7.8	7.9	8.0	8.1
-87.5°	3.4	3.5	3.6	3.6	3.7	3.8	3.9	3.9	4.0	4.0	4.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305369 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320L-57-70-5S-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°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	3.9
85°	8.1	8.2	8.2	8.2	8.2	8.2	8.1	8.1	8.0	7.9	7.8
82.5°	13.3	13.3	13.4	13.4	13.4	13.3	13.3	13.2	13.0	12.9	12.7
80°	20.4	20.5	20.6	20.6	20.6	20.5	20.4	20.2	19.9	19.6	19.3
77.5°	36.4	36.8	37.0	37.1	37.0	36.8	36.4	35.8	35.1	34.2	33.2
75°	65.3	66.2	66.7	66.9	66.7	66.2	65.3	64.1	62.6	60.7	58.4
72.5°	107.5	109.0	109.9	110.2	109.9	109.0	107.5	105.5	102.8	99.6	95.8
70°	186.6	189.9	191.8	192.5	191.8	189.9	186.6	182.1	176.3	169.2	160.8
67.5°	295.6	300.6	303.7	304.7	303.7	300.6	295.6	288.5	279.5	268.5	255.6
65°	432.0	439.1	443.4	444.8	443.4	439.1	432.0	422.1	409.4	394.0	375.8
62.5°	598.3	607.9	613.8	615.7	613.8	607.9	598.3	584.8	567.5	546.5	521.9
60°	791.0	803.4	810.8	813.3	810.8	803.4	791.0	773.7	751.6	724.7	693.2
57.5°	1009.8	1025.3	1034.7	1037.8	1034.7	1025.3	1009.8	988.2	960.5	926.9	887.5
55°	1204.8	1219.5	1228.3	1231.3	1228.3	1219.5	1204.8	1184.3	1158.1	1126.4	1089.2
52.5°	1304.8	1312.0	1316.4	1317.8	1316.4	1312.0	1304.8	1294.8	1282.0	1266.5	1248.3
50°	1505.4	1525.8	1538.1	1542.2	1538.1	1525.8	1505.4	1477.0	1440.7	1396.9	1345.6
47.5°	2134.7	2206.3	2249.5	2263.9	2249.5	2206.3	2134.7	2035.1	1908.1	1754.6	1575.4
45°	4716.4	5046.1	5245.0	5311.4	5245.0	5046.1	4716.4	4258.2	3674.9	2970.3	2236.8
42.5°	7563.3	7900.7	8104.3	8172.4	8104.3	7900.7	7563.3	7094.9	6499.3	5781.2	4922.0
40°	10137.4	10466.6	10665.4	10731.9	10665.4	10466.6	10137.4	9681.0	9101.6	8404.3	7526.8
37.5°	12720.3	13094.4	13320.6	13396.3	13320.6	13094.4	12720.3	12202.4	11546.2	10758.1	9880.5
35°	15579.8	16044.0	16324.9	16419.0	16324.9	16044.0	15579.8	14938.4	14127.5	13184.8	12196.4
32.5°	19236.2	19918.2	20331.6	20470.2	20331.6	19918.2	19236.2	18295.8	17110.3	15878.7	14663.6
30°	24606.6	25759.0	26459.0	26693.8	26459.0	25759.0	24606.6	23022.0	21030.9	19293.8	17527.8
27.5°	30684.1	31981.4	32771.4	33036.7	32771.4	31981.4	30684.1	28906.4	26682.3	24099.0	21153.9
25°	36732.8	38161.6	39034.5	39328.2	39034.5	38161.6	36732.8	34783.3	32351.5	29473.1	26220.4
22.5°	43159.6	44968.0	46077.5	46451.6	46077.5	44968.0	43159.6	40706.6	37867.4	34738.6	31204.1
20°	50530.4	52973.9	54481.6	54991.6	54481.6	52973.9	50530.4	47241.6	43749.0	39857.6	35963.7
17.5°	59017.5	62273.4	64299.1	64987.3	64299.1	62273.4	59017.5	54726.1	50238.3	45326.3	40601.4
15°	67288.7	70101.4	71872.4	72478.2	71872.4	70101.4	67288.7	63132.7	57257.5	51266.2	45326.3
12.5°	73485.1	75740.4	76989.9	77373.7	76989.9	75740.4	73485.1	69607.9	64559.6	57257.5	50238.3
10°	77409.8	79197.3	80157.5	80485.9	80157.5	79197.3	77409.8	74463.4	69607.9	63132.7	54726.1
7.5°	79848.4	81512.5	82511.9	82864.2	82511.9	81512.5	79848.4	77409.8	73485.1	67288.7	59017.5
5°	81512.5	83242.6	84315.9	84643.2	84315.9	83242.6	81512.5	79197.3	75740.4	70101.4	62273.4
2.5°	82511.9	84315.9	84831.7	84814.1	84831.7	84315.9	82511.9	80157.5	76989.9	71872.4	64299.1
0°	82864.2	84643.2	84814.1	84486.7	84814.1	84643.2	82864.2	80485.9	77373.7	72478.2	64987.3
-2.5°	82511.9	84315.9	84831.7	84814.1	84831.7	84315.9	82511.9	80157.5	76989.9	71872.4	64299.1
-5°	81512.5	83242.6	84315.9	84643.2	84315.9	83242.6	81512.5	79197.3	75740.4	70101.4	62273.4
-7.5°	79848.4	81512.5	82511.9	82864.2	82511.9	81512.5	79848.4	77409.8	73485.1	67288.7	59017.5
-10°	77409.8	79197.3	80157.5	80485.9	80157.5	79197.3	77409.8	74463.4	69607.9	63132.7	54726.1
-12.5°	73485.1	75740.4	76989.9	77373.7	76989.9	75740.4	73485.1	69607.9	64559.6	57257.5	50238.3
-15°	67288.7	70101.4	71872.4	72478.2	71872.4	70101.4	67288.7	63132.7	57257.5	51266.2	45326.3
-17.5°	59017.5	62273.4	64299.1	64987.3	64299.1	62273.4	59017.5	54726.1	50238.3	45326.3	40601.4
-20°	50530.4	52973.9	54481.6	54991.6	54481.6	52973.9	50530.4	47241.6	43749.0	39857.6	35963.7



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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°	43159.6	44968.0	46077.5	46451.6	46077.5	44968.0	43159.6	40706.6	37867.4	34738.6	31204.1
-25°	36732.8	38161.6	39034.5	39328.2	39034.5	38161.6	36732.8	34783.3	32351.5	29473.1	26220.4
-27.5°	30684.1	31981.4	32771.4	33036.7	32771.4	31981.4	30684.1	28906.4	26682.3	24099.0	21153.9
-30°	24606.6	25759.0	26459.0	26693.8	26459.0	25759.0	24606.6	23022.0	21030.9	19293.8	17527.8
-32.5°	19236.2	19918.2	20331.6	20470.2	20331.6	19918.2	19236.2	18295.8	17110.3	15878.7	14663.6
-35°	15579.8	16044.0	16324.9	16419.0	16324.9	16044.0	15579.8	14938.4	14127.5	13184.8	12196.4
-37.5°	12720.3	13094.4	13320.6	13396.3	13320.6	13094.4	12720.3	12202.4	11546.2	10758.1	9880.5
-40°	10137.4	10466.6	10665.4	10731.9	10665.4	10466.6	10137.4	9681.0	9101.6	8404.3	7526.8
-42.5°	7563.3	7900.7	8104.3	8172.4	8104.3	7900.7	7563.3	7094.9	6499.3	5781.2	4922.0
-45°	4716.4	5046.1	5245.0	5311.4	5245.0	5046.1	4716.4	4258.2	3674.9	2970.3	2236.8
-47.5°	2134.7	2206.3	2249.5	2263.9	2249.5	2206.3	2134.7	2035.1	1908.1	1754.6	1575.4
-50°	1505.4	1525.8	1538.1	1542.2	1538.1	1525.8	1505.4	1477.0	1440.7	1396.9	1345.6
-52.5°	1304.8	1312.0	1316.4	1317.8	1316.4	1312.0	1304.8	1294.8	1282.0	1266.5	1248.3
-55°	1204.8	1219.5	1228.3	1231.3	1228.3	1219.5	1204.8	1184.3	1158.1	1126.4	1089.2
-57.5°	1009.8	1025.3	1034.7	1037.8	1034.7	1025.3	1009.8	988.2	960.5	926.9	887.5
-60°	791.0	803.4	810.8	813.3	810.8	803.4	791.0	773.7	751.6	724.7	693.2
-62.5°	598.3	607.9	613.8	615.7	613.8	607.9	598.3	584.8	567.5	546.5	521.9
-65°	432.0	439.1	443.4	444.8	443.4	439.1	432.0	422.1	409.4	394.0	375.8
-67.5°	295.6	300.6	303.7	304.7	303.7	300.6	295.6	288.5	279.5	268.5	255.6
-70°	186.6	189.9	191.8	192.5	191.8	189.9	186.6	182.1	176.3	169.2	160.8
-72.5°	107.5	109.0	109.9	110.2	109.9	109.0	107.5	105.5	102.8	99.6	95.8
-75°	65.3	66.2	66.7	66.9	66.7	66.2	65.3	64.1	62.6	60.7	58.4
-77.5°	36.4	36.8	37.0	37.1	37.0	36.8	36.4	35.8	35.1	34.2	33.2
-80°	20.4	20.5	20.6	20.6	20.6	20.5	20.4	20.2	19.9	19.6	19.3
-82.5°	13.3	13.3	13.4	13.4	13.4	13.3	13.3	13.2	13.0	12.9	12.7
-85°	8.1	8.2	8.2	8.2	8.2	8.2	8.1	8.1	8.0	7.9	7.8
-87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	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):

	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°	3.9	3.8	3.7	3.6	3.6	3.5	3.4	3.3	3.1	3.0	2.9
85°	7.7	7.6	7.4	7.3	7.1	6.9	6.7	6.5	6.3	6.0	5.8
82.5°	12.5	12.2	11.9	11.6	11.3	10.9	10.6	10.2	9.7	9.3	8.8
80°	18.8	18.4	17.9	17.3	16.7	16.1	15.4	14.6	13.8	13.1	12.5
77.5°	32.1	30.7	29.3	27.7	25.9	24.0	22.0	20.3	19.3	18.2	17.2
75°	55.9	53.0	49.8	46.3	42.5	38.4	35.4	32.8	30.1	27.2	24.2
72.5°	91.4	86.5	81.0	75.0	68.5	63.2	58.1	52.6	46.8	40.8	35.6
70°	151.3	140.5	128.6	115.5	105.5	97.5	88.9	79.8	70.2	62.2	54.9
67.5°	240.8	224.1	205.7	187.3	171.3	154.0	135.5	115.9	102.4	90.9	79.0
65°	355.1	331.7	305.9	283.0	258.4	232.1	203.9	179.0	155.9	131.8	108.3
62.5°	493.7	462.0	430.2	398.7	364.7	328.2	292.4	259.3	224.6	189.3	161.5
60°	657.1	616.7	577.8	535.6	489.8	441.5	398.7	353.5	305.9	265.7	224.1
57.5°	842.4	794.5	745.4	691.8	633.9	577.8	520.8	460.6	405.9	351.6	297.0
55°	1046.7	992.9	932.0	865.5	796.2	728.8	657.1	586.2	517.6	446.0	384.7
52.5°	1223.0	1171.2	1114.1	1051.9	976.4	893.4	806.3	724.7	639.2	558.9	478.8
50°	1306.0	1280.8	1253.1	1212.8	1140.4	1063.2	972.4	872.7	773.7	678.0	583.8
47.5°	1489.1	1418.4	1340.7	1294.2	1259.3	1210.8	1123.0	1029.8	918.1	803.4	697.6
45°	2016.0	1770.1	1529.2	1438.5	1341.2	1287.0	1245.0	1163.5	1060.8	941.0	813.3
42.5°	3913.6	2792.9	2098.9	1785.2	1513.5	1403.0	1305.8	1258.9	1183.9	1070.9	941.0
40°	6503.6	5369.5	4054.9	2634.2	1992.8	1613.3	1440.5	1315.3	1263.5	1183.9	1060.8
37.5°	8891.9	7755.1	6425.8	4977.0	3358.8	2119.0	1695.9	1453.0	1315.3	1258.9	1163.5
35°	11085.2	9895.2	8619.4	7144.5	5525.0	3725.1	2161.4	1695.9	1440.5	1305.8	1245.0
32.5°	13313.7	11996.6	10579.5	9120.3	7508.4	5702.2	3725.1	2119.0	1613.3	1403.0	1287.0
30°	15776.6	14170.1	12554.5	10934.6	9288.7	7508.4	5525.0	3358.8	1992.8	1513.5	1341.2
27.5°	18787.8	16473.9	14611.0	12742.3	10934.6	9120.3	7144.5	4977.0	2634.2	1785.2	1438.5
25°	22690.0	19430.0	16782.9	14611.0	12554.5	10579.5	8619.4	6425.8	4054.9	2098.9	1529.2
22.5°	27317.5	23209.3	19430.0	16473.9	14170.1	11996.6	9895.2	7755.1	5369.5	2792.9	1770.1
20°	31791.2	27317.5	22690.0	18787.8	15776.6	13313.7	11085.2	8891.9	6503.6	3913.6	2016.0
17.5°	35963.7	31204.1	26220.4	21153.9	17527.8	14663.6	12196.4	9880.5	7526.8	4922.0	2236.8
15°	39857.6	34738.6	29473.1	24099.0	19293.8	15878.7	13184.8	10758.1	8404.3	5781.2	2970.3
12.5°	43749.0	37867.4	32351.5	26682.3	21030.9	17110.3	14127.5	11546.2	9101.6	6499.3	3674.9
10°	47241.6	40706.6	34783.3	28906.4	23022.0	18295.8	14938.4	12202.4	9681.0	7094.9	4258.2
7.5°	50530.4	43159.6	36732.8	30684.1	24606.6	19236.2	15579.8	12720.3	10137.4	7563.3	4716.4
5°	52973.9	44968.0	38161.6	31981.4	25759.0	19918.2	16044.0	13094.4	10466.6	7900.7	5046.1
2.5°	54481.6	46077.5	39034.5	32771.4	26459.0	20331.6	16324.9	13320.6	10665.4	8104.3	5245.0
0°	54991.6	46451.6	39328.2	33036.7	26693.8	20470.2	16419.0	13396.3	10731.9	8172.4	5311.4
-2.5°	54481.6	46077.5	39034.5	32771.4	26459.0	20331.6	16324.9	13320.6	10665.4	8104.3	5245.0
-5°	52973.9	44968.0	38161.6	31981.4	25759.0	19918.2	16044.0	13094.4	10466.6	7900.7	5046.1
-7.5°	50530.4	43159.6	36732.8	30684.1	24606.6	19236.2	15579.8	12720.3	10137.4	7563.3	4716.4
-10°	47241.6	40706.6	34783.3	28906.4	23022.0	18295.8	14938.4	12202.4	9681.0	7094.9	4258.2
-12.5°	43749.0	37867.4	32351.5	26682.3	21030.9	17110.3	14127.5	11546.2	9101.6	6499.3	3674.9
-15°	39857.6	34738.6	29473.1	24099.0	19293.8	15878.7	13184.8	10758.1	8404.3	5781.2	2970.3
-17.5°	35963.7	31204.1	26220.4	21153.9	17527.8	14663.6	12196.4	9880.5	7526.8	4922.0	2236.8
-20°	31791.2	27317.5	22690.0	18787.8	15776.6	13313.7	11085.2	8891.9	6503.6	3913.6	2016.0



REPORT NUMBER: P1305369 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320L-57-70-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	27317.5	23209.3	19430.0	16473.9	14170.1	11996.6	9895.2	7755.1	5369.5	2792.9	1770.1
-25°	22690.0	19430.0	16782.9	14611.0	12554.5	10579.5	8619.4	6425.8	4054.9	2098.9	1529.2
-27.5°	18787.8	16473.9	14611.0	12742.3	10934.6	9120.3	7144.5	4977.0	2634.2	1785.2	1438.5
-30°	15776.6	14170.1	12554.5	10934.6	9288.7	7508.4	5525.0	3358.8	1992.8	1513.5	1341.2
-32.5°	13313.7	11996.6	10579.5	9120.3	7508.4	5702.2	3725.1	2119.0	1613.3	1403.0	1287.0
-35°	11085.2	9895.2	8619.4	7144.5	5525.0	3725.1	2161.4	1695.9	1440.5	1305.8	1245.0
-37.5°	8891.9	7755.1	6425.8	4977.0	3358.8	2119.0	1695.9	1453.0	1315.3	1258.9	1163.5
-40°	6503.6	5369.5	4054.9	2634.2	1992.8	1613.3	1440.5	1315.3	1263.5	1183.9	1060.8
-42.5°	3913.6	2792.9	2098.9	1785.2	1513.5	1403.0	1305.8	1258.9	1183.9	1070.9	941.0
-45°	2016.0	1770.1	1529.2	1438.5	1341.2	1287.0	1245.0	1163.5	1060.8	941.0	813.3
-47.5°	1489.1	1418.4	1340.7	1294.2	1259.3	1210.8	1123.0	1029.8	918.1	803.4	697.6
-50°	1306.0	1280.8	1253.1	1212.8	1140.4	1063.2	972.4	872.7	773.7	678.0	583.8
-52.5°	1223.0	1171.2	1114.1	1051.9	976.4	893.4	806.3	724.7	639.2	558.9	478.8
-55°	1046.7	992.9	932.0	865.5	796.2	728.8	657.1	586.2	517.6	446.0	384.7
-57.5°	842.4	794.5	745.4	691.8	633.9	577.8	520.8	460.6	405.9	351.6	297.0
-60°	657.1	616.7	577.8	535.6	489.8	441.5	398.7	353.5	305.9	265.7	224.1
-62.5°	493.7	462.0	430.2	398.7	364.7	328.2	292.4	259.3	224.6	189.3	161.5
-65°	355.1	331.7	305.9	283.0	258.4	232.1	203.9	179.0	155.9	131.8	108.3
-67.5°	240.8	224.1	205.7	187.3	171.3	154.0	135.5	115.9	102.4	90.9	79.0
-70°	151.3	140.5	128.6	115.5	105.5	97.5	88.9	79.8	70.2	62.2	54.9
-72.5°	91.4	86.5	81.0	75.0	68.5	63.2	58.1	52.6	46.8	40.8	35.6
-75°	55.9	53.0	49.8	46.3	42.5	38.4	35.4	32.8	30.1	27.2	24.2
-77.5°	32.1	30.7	29.3	27.7	25.9	24.0	22.0	20.3	19.3	18.2	17.2
-80°	18.8	18.4	17.9	17.3	16.7	16.1	15.4	14.6	13.8	13.1	12.5
-82.5°	12.5	12.2	11.9	11.6	11.3	10.9	10.6	10.2	9.7	9.3	8.8
-85°	7.7	7.6	7.4	7.3	7.1	6.9	6.7	6.5	6.3	6.0	5.8
-87.5°	3.9	3.8	3.7	3.6	3.6	3.5	3.4	3.3	3.1	3.0	2.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305369 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320L-57-70-5S-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°	2.8	2.6	2.5	2.4	2.2	2.0	1.9	1.7	1.6	1.4	1.2
85°	5.5	5.3	5.0	4.7	4.4	4.1	3.8	3.5	3.1	2.8	2.5
82.5°	8.3	7.9	7.5	7.0	6.6	6.1	5.7	5.2	4.7	4.2	3.7
80°	11.8	11.1	10.4	9.7	8.9	8.2	7.5	6.9	6.2	5.6	4.9
77.5°	16.0	14.8	13.6	12.6	11.7	10.7	9.7	8.7	7.8	7.0	6.1
75°	21.1	19.4	17.9	16.4	14.8	13.3	12.1	10.9	9.6	8.4	7.3
72.5°	32.0	28.2	24.2	20.4	18.6	16.7	14.8	13.0	11.5	10.1	8.6
70°	47.3	39.5	33.9	29.3	24.5	20.2	18.0	15.7	13.5	11.8	10.1
67.5°	66.7	57.8	48.7	39.2	32.9	27.4	21.8	18.6	16.1	13.5	11.5
65°	94.4	80.1	65.8	55.3	44.5	35.1	28.9	22.5	18.6	15.7	13.0
62.5°	132.5	106.1	89.9	73.1	59.3	47.2	35.9	28.9	21.8	18.0	14.8
60°	184.0	151.3	117.5	95.8	77.0	60.7	47.2	35.1	27.4	20.2	16.7
57.5°	250.1	201.7	162.6	125.0	97.7	77.0	59.3	44.5	32.9	24.5	18.6
55°	321.5	265.9	212.1	166.4	125.0	95.8	73.1	55.3	39.2	29.3	20.4
52.5°	404.7	334.7	271.1	212.1	162.6	117.5	89.9	65.8	48.7	33.9	24.2
50°	495.3	411.4	334.7	265.9	201.7	151.3	106.1	80.1	57.8	39.5	28.2
47.5°	592.2	495.3	404.7	321.5	250.1	184.0	132.5	94.4	66.7	47.3	32.0
45°	697.6	583.8	478.8	384.7	297.0	224.1	161.5	108.3	79.0	54.9	35.6
42.5°	803.4	678.0	558.9	446.0	351.6	265.7	189.3	131.8	90.9	62.2	40.8
40°	918.1	773.7	639.2	517.6	405.9	305.9	224.6	155.9	102.4	70.2	46.8
37.5°	1029.8	872.7	724.7	586.2	460.6	353.5	259.3	179.0	115.9	79.8	52.6
35°	1123.0	972.4	806.3	657.1	520.8	398.7	292.4	203.9	135.5	88.9	58.1
32.5°	1210.8	1063.2	893.4	728.8	577.8	441.5	328.2	232.1	154.0	97.5	63.2
30°	1259.3	1140.4	976.4	796.2	633.9	489.8	364.7	258.4	171.3	105.5	68.5
27.5°	1294.2	1212.8	1051.9	865.5	691.8	535.6	398.7	283.0	187.3	115.5	75.0
25°	1340.7	1253.1	1114.1	932.0	745.4	577.8	430.2	305.9	205.7	128.6	81.0
22.5°	1418.4	1280.8	1171.2	992.9	794.5	616.7	462.0	331.7	224.1	140.5	86.5
20°	1489.1	1306.0	1223.0	1046.7	842.4	657.1	493.7	355.1	240.8	151.3	91.4
17.5°	1575.4	1345.6	1248.3	1089.2	887.5	693.2	521.9	375.8	255.6	160.8	95.8
15°	1754.6	1396.9	1266.5	1126.4	926.9	724.7	546.5	394.0	268.5	169.2	99.6
12.5°	1908.1	1440.7	1282.0	1158.1	960.5	751.6	567.5	409.4	279.5	176.3	102.8
10°	2035.1	1477.0	1294.8	1184.3	988.2	773.7	584.8	422.1	288.5	182.1	105.5
7.5°	2134.7	1505.4	1304.8	1204.8	1009.8	791.0	598.3	432.0	295.6	186.6	107.5
5°	2206.3	1525.8	1312.0	1219.5	1025.3	803.4	607.9	439.1	300.6	189.9	109.0
2.5°	2249.5	1538.1	1316.4	1228.3	1034.7	810.8	613.8	443.4	303.7	191.8	109.9
0°	2263.9	1542.2	1317.8	1231.3	1037.8	813.3	615.7	444.8	304.7	192.5	110.2
-2.5°	2249.5	1538.1	1316.4	1228.3	1034.7	810.8	613.8	443.4	303.7	191.8	109.9
-5°	2206.3	1525.8	1312.0	1219.5	1025.3	803.4	607.9	439.1	300.6	189.9	109.0
-7.5°	2134.7	1505.4	1304.8	1204.8	1009.8	791.0	598.3	432.0	295.6	186.6	107.5
-10°	2035.1	1477.0	1294.8	1184.3	988.2	773.7	584.8	422.1	288.5	182.1	105.5
-12.5°	1908.1	1440.7	1282.0	1158.1	960.5	751.6	567.5	409.4	279.5	176.3	102.8
-15°	1754.6	1396.9	1266.5	1126.4	926.9	724.7	546.5	394.0	268.5	169.2	99.6
-17.5°	1575.4	1345.6	1248.3	1089.2	887.5	693.2	521.9	375.8	255.6	160.8	95.8
-20°	1489.1	1306.0	1223.0	1046.7	842.4	657.1	493.7	355.1	240.8	151.3	91.4



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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°	1418.4	1280.8	1171.2	992.9	794.5	616.7	462.0	331.7	224.1	140.5	86.5
-25°	1340.7	1253.1	1114.1	932.0	745.4	577.8	430.2	305.9	205.7	128.6	81.0
-27.5°	1294.2	1212.8	1051.9	865.5	691.8	535.6	398.7	283.0	187.3	115.5	75.0
-30°	1259.3	1140.4	976.4	796.2	633.9	489.8	364.7	258.4	171.3	105.5	68.5
-32.5°	1210.8	1063.2	893.4	728.8	577.8	441.5	328.2	232.1	154.0	97.5	63.2
-35°	1123.0	972.4	806.3	657.1	520.8	398.7	292.4	203.9	135.5	88.9	58.1
-37.5°	1029.8	872.7	724.7	586.2	460.6	353.5	259.3	179.0	115.9	79.8	52.6
-40°	918.1	773.7	639.2	517.6	405.9	305.9	224.6	155.9	102.4	70.2	46.8
-42.5°	803.4	678.0	558.9	446.0	351.6	265.7	189.3	131.8	90.9	62.2	40.8
-45°	697.6	583.8	478.8	384.7	297.0	224.1	161.5	108.3	79.0	54.9	35.6
-47.5°	592.2	495.3	404.7	321.5	250.1	184.0	132.5	94.4	66.7	47.3	32.0
-50°	495.3	411.4	334.7	265.9	201.7	151.3	106.1	80.1	57.8	39.5	28.2
-52.5°	404.7	334.7	271.1	212.1	162.6	117.5	89.9	65.8	48.7	33.9	24.2
-55°	321.5	265.9	212.1	166.4	125.0	95.8	73.1	55.3	39.2	29.3	20.4
-57.5°	250.1	201.7	162.6	125.0	97.7	77.0	59.3	44.5	32.9	24.5	18.6
-60°	184.0	151.3	117.5	95.8	77.0	60.7	47.2	35.1	27.4	20.2	16.7
-62.5°	132.5	106.1	89.9	73.1	59.3	47.2	35.9	28.9	21.8	18.0	14.8
-65°	94.4	80.1	65.8	55.3	44.5	35.1	28.9	22.5	18.6	15.7	13.0
-67.5°	66.7	57.8	48.7	39.2	32.9	27.4	21.8	18.6	16.1	13.5	11.5
-70°	47.3	39.5	33.9	29.3	24.5	20.2	18.0	15.7	13.5	11.8	10.1
-72.5°	32.0	28.2	24.2	20.4	18.6	16.7	14.8	13.0	11.5	10.1	8.6
-75°	21.1	19.4	17.9	16.4	14.8	13.3	12.1	10.9	9.6	8.4	7.3
-77.5°	16.0	14.8	13.6	12.6	11.7	10.7	9.7	8.7	7.8	7.0	6.1
-80°	11.8	11.1	10.4	9.7	8.9	8.2	7.5	6.9	6.2	5.6	4.9
-82.5°	8.3	7.9	7.5	7.0	6.6	6.1	5.7	5.2	4.7	4.2	3.7
-85°	5.5	5.3	5.0	4.7	4.4	4.1	3.8	3.5	3.1	2.8	2.5
-87.5°	2.8	2.6	2.5	2.4	2.2	2.0	1.9	1.7	1.6	1.4	1.2
-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):

	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°	1.1	0.9	0.7	0.5	0.4	0.2	0.0
85°	2.1	1.8	1.4	1.1	0.7	0.4	0.0
82.5°	3.2	2.7	2.1	1.6	1.1	0.5	0.0
80°	4.2	3.5	2.8	2.1	1.4	0.7	0.0
77.5°	5.3	4.4	3.5	2.7	1.8	0.9	0.0
75°	6.3	5.3	4.2	3.2	2.1	1.1	0.0
72.5°	7.3	6.1	4.9	3.7	2.5	1.2	0.0
70°	8.4	7.0	5.6	4.2	2.8	1.4	0.0
67.5°	9.6	7.8	6.2	4.7	3.1	1.6	0.0
65°	10.9	8.7	6.9	5.2	3.5	1.7	0.0
62.5°	12.1	9.7	7.5	5.7	3.8	1.9	0.0
60°	13.3	10.7	8.2	6.1	4.1	2.0	0.0
57.5°	14.8	11.7	8.9	6.6	4.4	2.2	0.0
55°	16.4	12.6	9.7	7.0	4.7	2.4	0.0
52.5°	17.9	13.6	10.4	7.5	5.0	2.5	0.0
50°	19.4	14.8	11.1	7.9	5.3	2.6	0.0
47.5°	21.1	16.0	11.8	8.3	5.5	2.8	0.0
45°	24.2	17.2	12.5	8.8	5.8	2.9	0.0
42.5°	27.2	18.2	13.1	9.3	6.0	3.0	0.0
40°	30.1	19.3	13.8	9.7	6.3	3.1	0.0
37.5°	32.8	20.3	14.6	10.2	6.5	3.3	0.0
35°	35.4	22.0	15.4	10.6	6.7	3.4	0.0
32.5°	38.4	24.0	16.1	10.9	6.9	3.5	0.0
30°	42.5	25.9	16.7	11.3	7.1	3.6	0.0
27.5°	46.3	27.7	17.3	11.6	7.3	3.6	0.0
25°	49.8	29.3	17.9	11.9	7.4	3.7	0.0
22.5°	53.0	30.7	18.4	12.2	7.6	3.8	0.0
20°	55.9	32.1	18.8	12.5	7.7	3.9	0.0
17.5°	58.4	33.2	19.3	12.7	7.8	3.9	0.0
15°	60.7	34.2	19.6	12.9	7.9	4.0	0.0
12.5°	62.6	35.1	19.9	13.0	8.0	4.0	0.0
10°	64.1	35.8	20.2	13.2	8.1	4.0	0.0
7.5°	65.3	36.4	20.4	13.3	8.1	4.1	0.0
5°	66.2	36.8	20.5	13.3	8.2	4.1	0.0
2.5°	66.7	37.0	20.6	13.4	8.2	4.1	0.0
0°	66.9	37.1	20.6	13.4	8.2	4.1	0.0
-2.5°	66.7	37.0	20.6	13.4	8.2	4.1	0.0
-5°	66.2	36.8	20.5	13.3	8.2	4.1	0.0
-7.5°	65.3	36.4	20.4	13.3	8.1	4.1	0.0
-10°	64.1	35.8	20.2	13.2	8.1	4.0	0.0
-12.5°	62.6	35.1	19.9	13.0	8.0	4.0	0.0
-15°	60.7	34.2	19.6	12.9	7.9	4.0	0.0
-17.5°	58.4	33.2	19.3	12.7	7.8	3.9	0.0
-20°	55.9	32.1	18.8	12.5	7.7	3.9	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	53.0	30.7	18.4	12.2	7.6	3.8	0.0
-25°	49.8	29.3	17.9	11.9	7.4	3.7	0.0
-27.5°	46.3	27.7	17.3	11.6	7.3	3.6	0.0
-30°	42.5	25.9	16.7	11.3	7.1	3.6	0.0
-32.5°	38.4	24.0	16.1	10.9	6.9	3.5	0.0
-35°	35.4	22.0	15.4	10.6	6.7	3.4	0.0
-37.5°	32.8	20.3	14.6	10.2	6.5	3.3	0.0
-40°	30.1	19.3	13.8	9.7	6.3	3.1	0.0
-42.5°	27.2	18.2	13.1	9.3	6.0	3.0	0.0
-45°	24.2	17.2	12.5	8.8	5.8	2.9	0.0
-47.5°	21.1	16.0	11.8	8.3	5.5	2.8	0.0
-50°	19.4	14.8	11.1	7.9	5.3	2.6	0.0
-52.5°	17.9	13.6	10.4	7.5	5.0	2.5	0.0
-55°	16.4	12.6	9.7	7.0	4.7	2.4	0.0
-57.5°	14.8	11.7	8.9	6.6	4.4	2.2	0.0
-60°	13.3	10.7	8.2	6.1	4.1	2.0	0.0
-62.5°	12.1	9.7	7.5	5.7	3.8	1.9	0.0
-65°	10.9	8.7	6.9	5.2	3.5	1.7	0.0
-67.5°	9.6	7.8	6.2	4.7	3.1	1.6	0.0
-70°	8.4	7.0	5.6	4.2	2.8	1.4	0.0
-72.5°	7.3	6.1	4.9	3.7	2.5	1.2	0.0
-75°	6.3	5.3	4.2	3.2	2.1	1.1	0.0
-77.5°	5.3	4.4	3.5	2.7	1.8	0.9	0.0
-80°	4.2	3.5	2.8	2.1	1.4	0.7	0.0
-82.5°	3.2	2.7	2.1	1.6	1.1	0.5	0.0
-85°	2.1	1.8	1.4	1.1	0.7	0.4	0.0
-87.5°	1.1	0.9	0.7	0.5	0.4	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)