

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: P1305891 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-40-80-5S-HEG-A**

Issue Date: 2/3/2026

Test Information

Test Method: LM-79-08
Report Number: P1305891 (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-08-320N-40-80-5S-HEG-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

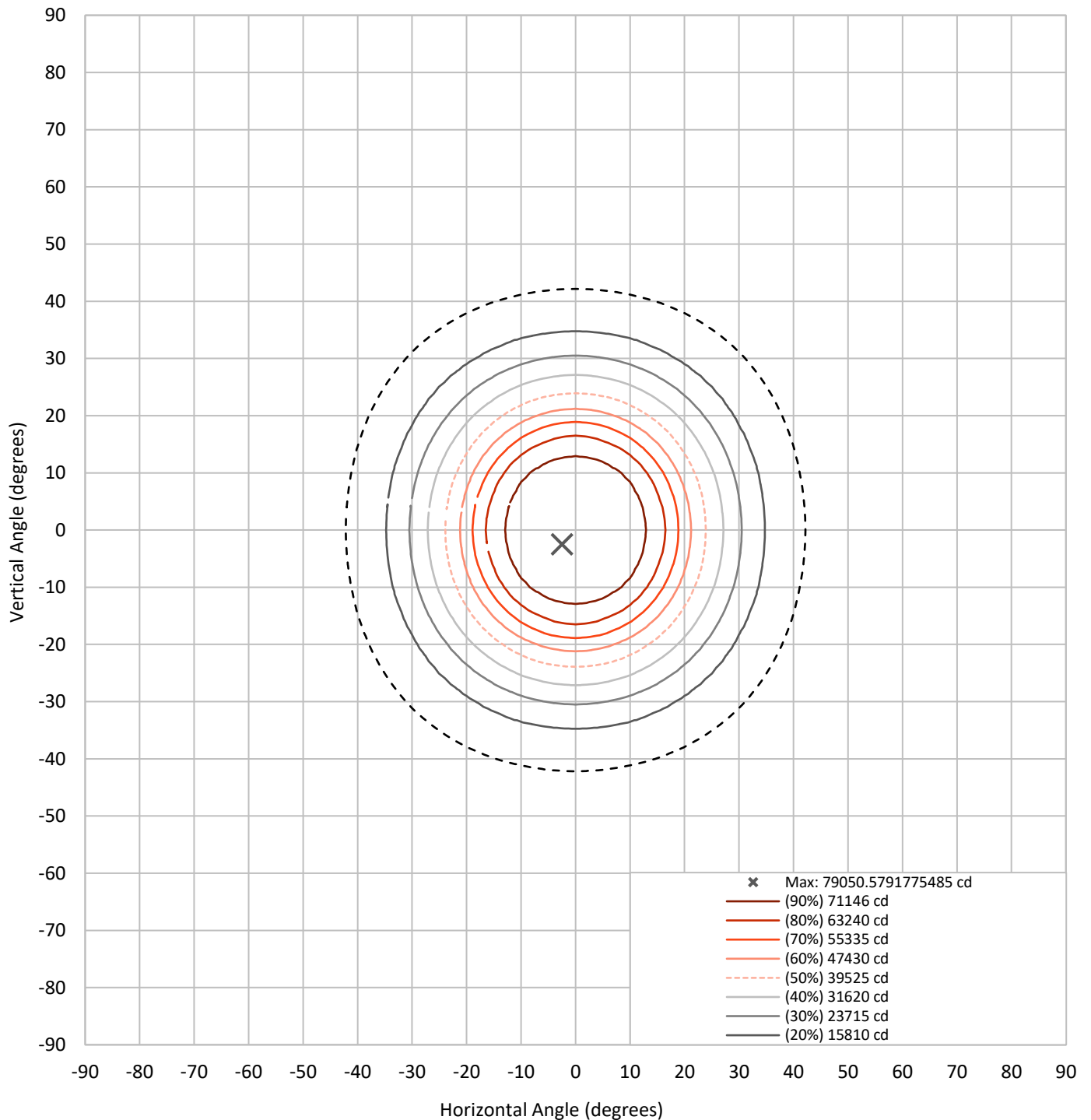
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	57781.2 lumens	Max Intensity:	79050.6 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	173.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	47.6°H x 47.6°V	Field Angle (10%):	84.3°H x 84.3°V
Beam Lumens:	32415.2 lumens	Field Lumens:	53837.8 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





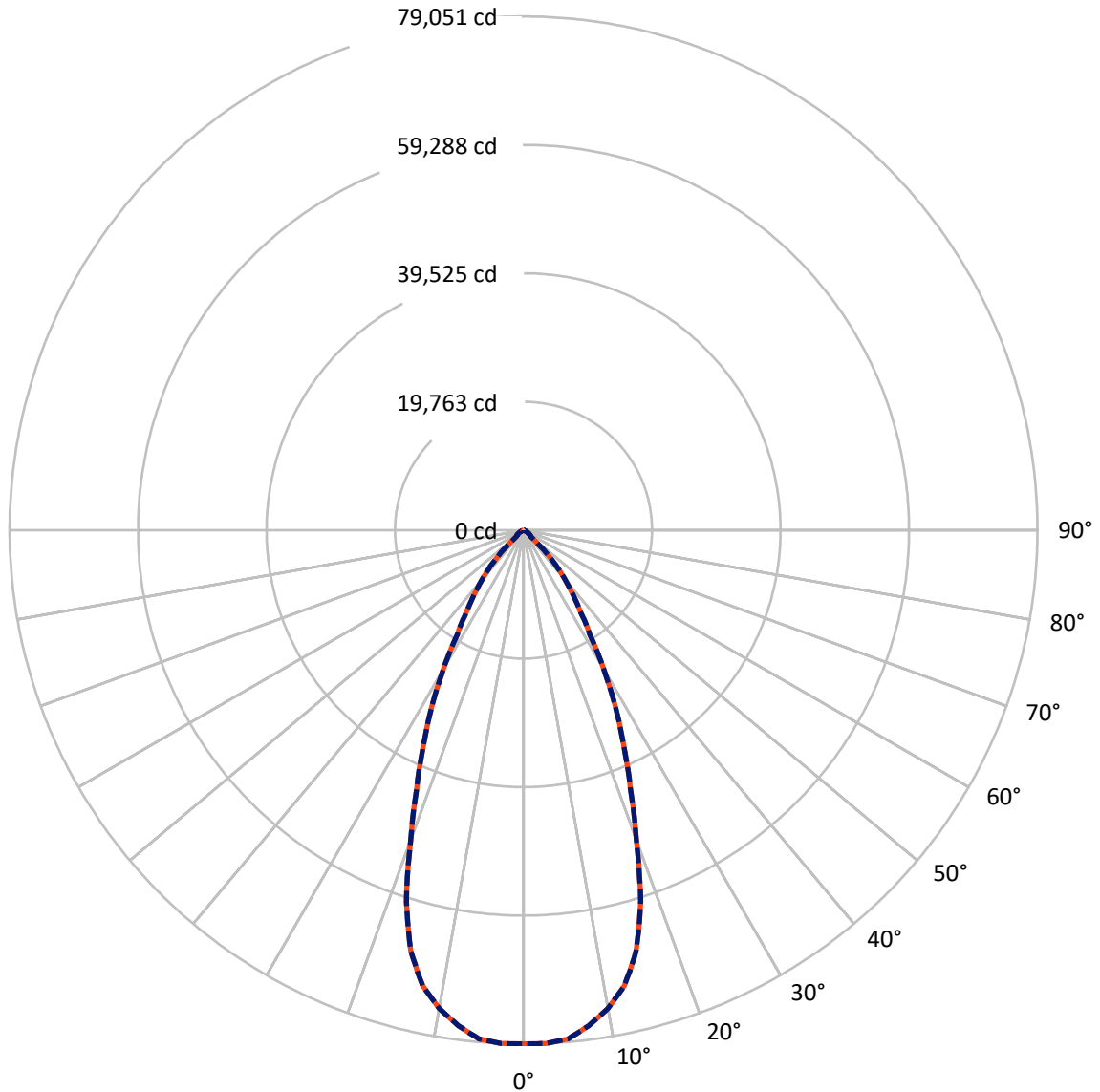
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Lumen Table

90	0.1	0.5		1.8		3.9		5.0		3.9		1.8		0.5		0.1			
80	0.1	0.5		1.8		3.9		5.0		3.9		1.8		0.5		0.1			
70	0.2	0.3	1.0	2.5	5.1	8.3	11.3	13.0	13.0	11.3	8.3	5.1	2.5	1.0	0.3	0.2			
60		0.7	2.9	8.0	15.5	23.7	29.9	33.2	33.2	29.9	23.7	15.5	8.0	2.9	0.7				
50	0.6	1.5	6.5	16.5	28.5	51.4	104.7	147.4	147.4	104.7	51.4	28.5	16.5	6.5	1.5	0.6			
40		2.7	11.0	24.7	71.7	217.1	366.5	469.6	469.6	366.5	217.1	71.7	24.7	11.0	2.7				
30	1.1	4.0	15.2	40.6	197.2	448.8	803.1	1077.9	1077.9	803.1	448.8	197.2	40.6	15.2	4.0	1.1			
20		5.1	18.0	78.5	312.8	755.8	1404.5	1913.5	1913.5	1404.5	755.8	312.8	78.5	18.0	5.1				
10	1.3	5.7	19.3	107.3	389.3	984.8	1857.8	2319.0	2319.0	1857.8	984.8	389.3	107.3	19.3	5.7	1.3			
0		5.7	19.3	107.3	389.3	984.8	1857.8	2319.0	2319.0	1857.8	984.8	389.3	107.3	19.3	5.7				
-10	1.1	5.1	18.0	78.5	312.8	755.8	1404.5	1913.5	1913.5	1404.5	755.8	312.8	78.5	18.0	5.1	1.1			
-20		4.0	15.2	40.6	197.2	448.8	803.1	1077.9	1077.9	803.1	448.8	197.2	40.6	15.2	4.0				
-30	0.6	2.7	11.0	24.7	71.7	217.1	366.5	469.6	469.6	366.5	217.1	71.7	24.7	11.0	2.7	0.6			
-40		1.5	6.5	16.5	28.5	51.4	104.7	147.4	147.4	104.7	51.4	28.5	16.5	6.5	1.5				
-50	0.2	0.7	2.9	8.0	15.5	23.7	29.9	33.2	33.2	29.9	23.7	15.5	8.0	2.9	0.7	0.2			
-60		0.3	1.0	2.5	5.1	8.3	11.3	13.0	13.0	11.3	8.3	5.1	2.5	1.0	0.3				
-70	0.1	0.5		1.8		3.9		5.0		3.9		1.8		0.5		0.1			
-80		0.5		1.8		3.9		5.0		3.9		1.8		0.5					
-90	0.1	0.5		1.8		3.9		5.0		3.9		1.8		0.5		0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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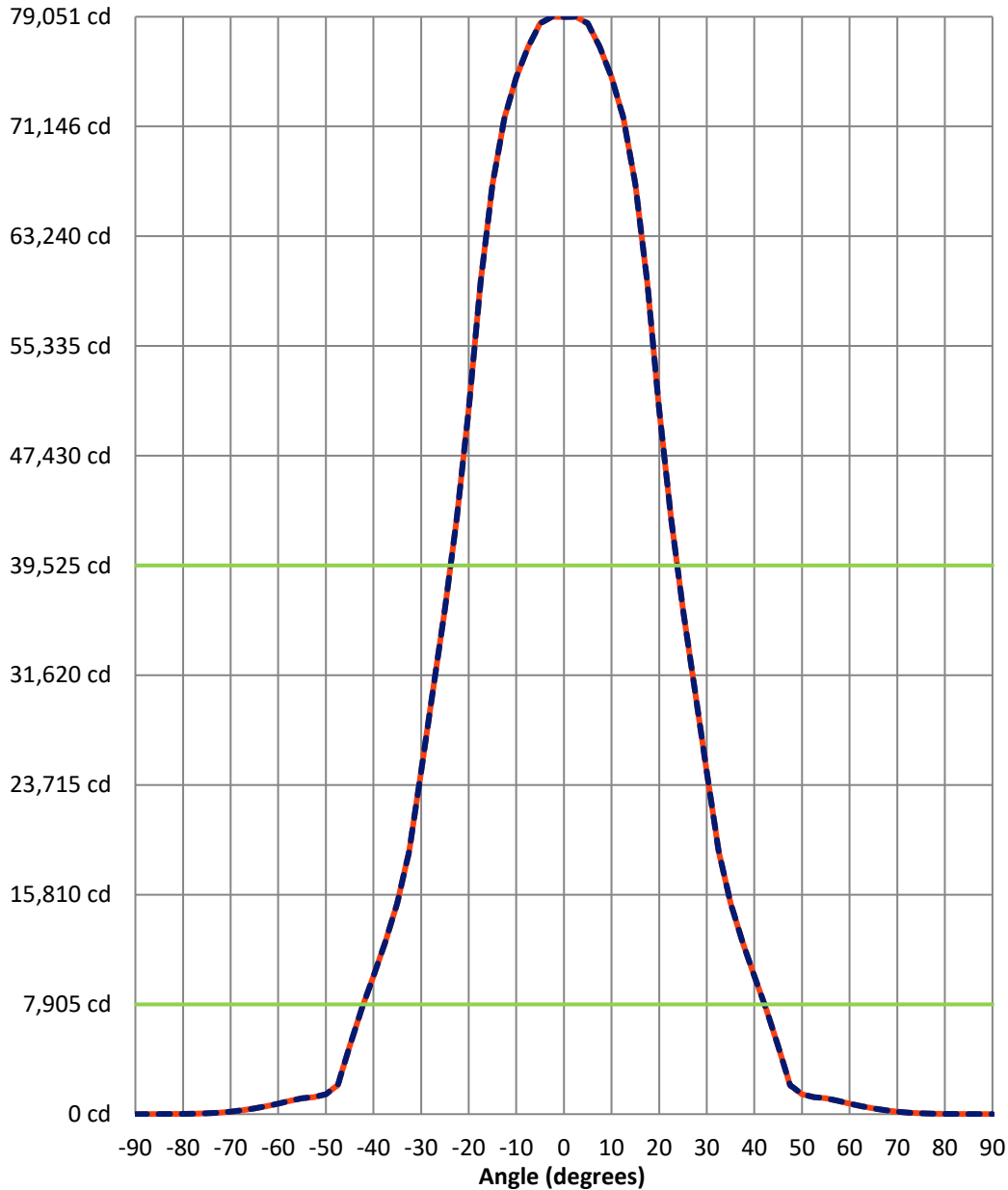
Luminous Intensity Polar Plot



— Vertical Distribution Through -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: 32415.2
 Efficiency: 56.1%

Field:
 H Angle: 84.3°
 V Angle: 84.3°
 Lumens: 53837.8
 Efficiency: 93.2%

Spill:
 Lumens: 3943.4
 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	0.3	0.5	0.7	0.8	1.0	1.1	1.3	1.5	1.6
85°	0.0	0.3	0.7	1.0	1.3	1.6	2.0	2.3	2.6	2.9	3.2
82.5°	0.0	0.5	1.0	1.5	2.0	2.5	2.9	3.4	3.9	4.4	4.8
80°	0.0	0.7	1.3	2.0	2.6	3.3	3.9	4.6	5.2	5.8	6.5
77.5°	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.7	6.5	7.3	8.2
75°	0.0	1.0	2.0	2.9	3.9	4.9	5.9	6.9	7.9	9.0	10.2
72.5°	0.0	1.1	2.3	3.4	4.6	5.7	6.9	8.1	9.4	10.8	12.1
70°	0.0	1.3	2.6	3.9	5.2	6.5	7.9	9.4	11.0	12.6	14.7
67.5°	0.0	1.5	2.9	4.4	5.8	7.3	9.0	10.8	12.6	15.0	17.3
65°	0.0	1.6	3.2	4.8	6.5	8.2	10.2	12.1	14.7	17.3	21.0
62.5°	0.0	1.8	3.5	5.3	7.1	9.1	11.3	13.8	16.8	20.3	26.9
60°	0.0	1.9	3.8	5.7	7.7	10.0	12.4	15.6	18.8	25.5	32.7
57.5°	0.0	2.0	4.1	6.2	8.4	10.9	13.8	17.3	22.8	30.6	41.5
55°	0.0	2.2	4.4	6.6	9.1	11.8	15.3	19.0	27.2	36.5	51.6
52.5°	0.0	2.3	4.6	7.0	9.8	12.7	16.7	22.6	31.5	45.3	61.4
50°	0.0	2.4	4.9	7.4	10.4	13.8	18.1	26.2	36.7	53.9	74.7
47.5°	0.0	2.6	5.2	7.8	11.0	14.9	19.6	29.7	44.1	62.2	88.0
45°	0.0	2.7	5.4	8.3	11.6	16.0	22.5	33.1	51.2	73.7	100.9
42.5°	0.0	2.8	5.6	8.7	12.2	17.0	25.3	37.9	58.0	84.8	122.8
40°	0.0	2.9	5.9	9.1	12.9	18.0	28.0	43.6	65.4	95.4	145.3
37.5°	0.0	3.0	6.1	9.5	13.6	18.9	30.5	49.0	74.4	108.0	166.8
35°	0.0	3.1	6.3	9.9	14.3	20.5	32.9	54.1	82.9	126.3	190.0
32.5°	0.0	3.2	6.5	10.2	15.0	22.4	35.7	59.0	90.9	143.5	216.3
30°	0.0	3.3	6.7	10.6	15.6	24.1	39.6	63.9	98.3	159.6	240.9
27.5°	0.0	3.4	6.8	10.9	16.1	25.7	43.1	70.0	107.6	174.6	263.8
25°	0.0	3.4	7.0	11.1	16.7	27.2	46.4	75.5	119.8	191.7	285.1
22.5°	0.0	3.5	7.1	11.4	17.1	28.6	49.4	80.6	130.9	208.9	309.2
20°	0.0	3.6	7.2	11.6	17.6	29.8	52.1	85.2	141.0	224.4	330.9
17.5°	0.0	3.6	7.3	11.8	17.9	30.9	54.5	89.3	149.9	238.2	350.2
15°	0.0	3.7	7.4	12.0	18.3	31.9	56.6	92.8	157.6	250.3	367.1
12.5°	0.0	3.7	7.5	12.2	18.6	32.7	58.3	95.8	164.3	260.5	381.5
10°	0.0	3.7	7.6	12.3	18.8	33.3	59.8	98.3	169.7	268.9	393.3
7.5°	0.0	3.8	7.6	12.4	19.0	33.8	60.9	100.2	173.9	275.5	402.5
5°	0.0	3.8	7.7	12.4	19.1	34.2	61.7	101.6	177.0	280.2	409.1
2.5°	0.0	3.8	7.7	12.5	19.2	34.4	62.2	102.4	178.8	283.1	413.1
0°	0.0	3.8	7.7	12.5	19.2	34.5	62.4	102.7	179.4	284.0	414.4
-2.5°	0.0	3.8	7.7	12.5	19.2	34.4	62.2	102.4	178.8	283.1	413.1
-5°	0.0	3.8	7.7	12.4	19.1	34.2	61.7	101.6	177.0	280.2	409.1
-7.5°	0.0	3.8	7.6	12.4	19.0	33.8	60.9	100.2	173.9	275.5	402.5
-10°	0.0	3.7	7.6	12.3	18.8	33.3	59.8	98.3	169.7	268.9	393.3
-12.5°	0.0	3.7	7.5	12.2	18.6	32.7	58.3	95.8	164.3	260.5	381.5
-15°	0.0	3.7	7.4	12.0	18.3	31.9	56.6	92.8	157.6	250.3	367.1
-17.5°	0.0	3.6	7.3	11.8	17.9	30.9	54.5	89.3	149.9	238.2	350.2
-20°	0.0	3.6	7.2	11.6	17.6	29.8	52.1	85.2	141.0	224.4	330.9



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 CATALOG NUMBER: EPH-08-320N-40-80-5S-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	3.5	7.1	11.4	17.1	28.6	49.4	80.6	130.9	208.9	309.2
-25°	0.0	3.4	7.0	11.1	16.7	27.2	46.4	75.5	119.8	191.7	285.1
-27.5°	0.0	3.4	6.8	10.9	16.1	25.7	43.1	70.0	107.6	174.6	263.8
-30°	0.0	3.3	6.7	10.6	15.6	24.1	39.6	63.9	98.3	159.6	240.9
-32.5°	0.0	3.2	6.5	10.2	15.0	22.4	35.7	59.0	90.9	143.5	216.3
-35°	0.0	3.1	6.3	9.9	14.3	20.5	32.9	54.1	82.9	126.3	190.0
-37.5°	0.0	3.0	6.1	9.5	13.6	18.9	30.5	49.0	74.4	108.0	166.8
-40°	0.0	2.9	5.9	9.1	12.9	18.0	28.0	43.6	65.4	95.4	145.3
-42.5°	0.0	2.8	5.6	8.7	12.2	17.0	25.3	37.9	58.0	84.8	122.8
-45°	0.0	2.7	5.4	8.3	11.6	16.0	22.5	33.1	51.2	73.7	100.9
-47.5°	0.0	2.6	5.2	7.8	11.0	14.9	19.6	29.7	44.1	62.2	88.0
-50°	0.0	2.4	4.9	7.4	10.4	13.8	18.1	26.2	36.7	53.9	74.7
-52.5°	0.0	2.3	4.6	7.0	9.8	12.7	16.7	22.6	31.5	45.3	61.4
-55°	0.0	2.2	4.4	6.6	9.1	11.8	15.3	19.0	27.2	36.5	51.6
-57.5°	0.0	2.0	4.1	6.2	8.4	10.9	13.8	17.3	22.8	30.6	41.5
-60°	0.0	1.9	3.8	5.7	7.7	10.0	12.4	15.6	18.8	25.5	32.7
-62.5°	0.0	1.8	3.5	5.3	7.1	9.1	11.3	13.8	16.8	20.3	26.9
-65°	0.0	1.6	3.2	4.8	6.5	8.2	10.2	12.1	14.7	17.3	21.0
-67.5°	0.0	1.5	2.9	4.4	5.8	7.3	9.0	10.8	12.6	15.0	17.3
-70°	0.0	1.3	2.6	3.9	5.2	6.5	7.9	9.4	11.0	12.6	14.7
-72.5°	0.0	1.1	2.3	3.4	4.6	5.7	6.9	8.1	9.4	10.8	12.1
-75°	0.0	1.0	2.0	2.9	3.9	4.9	5.9	6.9	7.9	9.0	10.2
-77.5°	0.0	0.8	1.6	2.5	3.3	4.1	4.9	5.7	6.5	7.3	8.2
-80°	0.0	0.7	1.3	2.0	2.6	3.3	3.9	4.6	5.2	5.8	6.5
-82.5°	0.0	0.5	1.0	1.5	2.0	2.5	2.9	3.4	3.9	4.4	4.8
-85°	0.0	0.3	0.7	1.0	1.3	1.6	2.0	2.3	2.6	2.9	3.2
-87.5°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.1	1.3	1.5	1.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-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°	1.8	1.9	2.0	2.2	2.3	2.4	2.6	2.7	2.8	2.9	3.0
85°	3.5	3.8	4.1	4.4	4.6	4.9	5.2	5.4	5.6	5.9	6.1
82.5°	5.3	5.7	6.2	6.6	7.0	7.4	7.8	8.3	8.7	9.1	9.5
80°	7.1	7.7	8.4	9.1	9.8	10.4	11.0	11.6	12.2	12.9	13.6
77.5°	9.1	10.0	10.9	11.8	12.7	13.8	14.9	16.0	17.0	18.0	18.9
75°	11.3	12.4	13.8	15.3	16.7	18.1	19.6	22.5	25.3	28.0	30.5
72.5°	13.8	15.6	17.3	19.0	22.6	26.2	29.7	33.1	37.9	43.6	49.0
70°	16.8	18.8	22.8	27.2	31.5	36.7	44.1	51.2	58.0	65.4	74.4
67.5°	20.3	25.5	30.6	36.5	45.3	53.9	62.2	73.7	84.8	95.4	108.0
65°	26.9	32.7	41.5	51.6	61.4	74.7	88.0	100.9	122.8	145.3	166.8
62.5°	33.3	44.0	55.3	68.2	83.8	98.9	123.5	150.5	176.4	209.3	241.7
60°	44.0	56.6	71.8	89.3	109.5	141.0	171.5	208.9	247.7	285.1	329.4
57.5°	55.3	71.8	91.1	116.5	151.5	188.0	233.1	276.9	327.7	378.2	429.1
55°	68.2	89.3	116.5	155.1	197.7	247.8	299.6	358.5	415.5	482.2	546.2
52.5°	83.8	109.5	151.5	197.7	252.7	311.9	377.1	446.1	520.7	595.6	675.3
50°	98.9	141.0	188.0	247.8	311.9	383.3	461.4	544.0	631.8	721.0	813.2
47.5°	123.5	171.5	233.1	299.6	377.1	461.4	551.8	650.0	748.6	855.5	959.5
45°	150.5	208.9	276.9	358.5	446.1	544.0	650.0	757.9	876.8	988.5	1084.2
42.5°	176.4	247.7	327.7	415.5	520.7	631.8	748.6	876.8	997.9	1103.2	1173.1
40°	209.3	285.1	378.2	482.2	595.6	721.0	855.5	988.5	1103.2	1177.4	1225.6
37.5°	241.7	329.4	429.1	546.2	675.3	813.2	959.5	1084.2	1173.1	1225.6	1354.0
35°	272.5	371.5	485.3	612.3	751.4	906.1	1046.5	1160.2	1216.8	1342.3	1580.3
32.5°	305.9	411.4	538.4	679.1	832.5	990.7	1128.3	1199.3	1307.3	1503.4	1974.7
30°	339.9	456.4	590.7	742.0	909.8	1062.7	1173.5	1249.9	1410.3	1857.0	3129.9
27.5°	371.5	499.0	644.7	806.6	980.1	1130.2	1206.0	1340.5	1663.6	2454.8	4637.8
25°	400.8	538.4	694.6	868.4	1038.1	1167.7	1249.4	1425.0	1955.9	3778.6	5987.9
22.5°	430.5	574.6	740.4	925.2	1091.4	1193.5	1321.7	1649.5	2602.7	5003.5	7226.6
20°	460.0	612.3	785.0	975.3	1139.7	1217.0	1387.6	1878.6	3646.9	6060.4	8285.9
17.5°	486.3	645.9	827.0	1014.9	1163.3	1253.9	1468.0	2084.4	4586.6	7013.9	9207.2
15°	509.2	675.3	863.7	1049.6	1180.2	1301.7	1635.0	2768.0	5387.2	7831.6	10024.9
12.5°	528.8	700.4	895.0	1079.2	1194.6	1342.6	1778.1	3424.4	6056.4	8481.3	10759.3
10°	544.9	721.0	920.8	1103.6	1206.6	1376.3	1896.5	3968.0	6611.4	9021.3	11370.9
7.5°	557.5	737.1	940.9	1122.7	1215.9	1402.8	1989.3	4395.0	7047.9	9446.5	11853.5
5°	566.5	748.6	955.4	1136.4	1222.6	1421.8	2056.0	4702.2	7362.3	9753.3	12202.1
2.5°	571.9	755.6	964.1	1144.6	1226.7	1433.3	2096.3	4887.5	7552.1	9938.5	12412.9
0°	573.7	757.9	967.0	1147.4	1228.0	1437.1	2109.7	4949.4	7615.5	10000.5	12483.4
-2.5°	571.9	755.6	964.1	1144.6	1226.7	1433.3	2096.3	4887.5	7552.1	9938.5	12412.9
-5°	566.5	748.6	955.4	1136.4	1222.6	1421.8	2056.0	4702.2	7362.3	9753.3	12202.1
-7.5°	557.5	737.1	940.9	1122.7	1215.9	1402.8	1989.3	4395.0	7047.9	9446.5	11853.5
-10°	544.9	721.0	920.8	1103.6	1206.6	1376.3	1896.5	3968.0	6611.4	9021.3	11370.9
-12.5°	528.8	700.4	895.0	1079.2	1194.6	1342.6	1778.1	3424.4	6056.4	8481.3	10759.3
-15°	509.2	675.3	863.7	1049.6	1180.2	1301.7	1635.0	2768.0	5387.2	7831.6	10024.9
-17.5°	486.3	645.9	827.0	1014.9	1163.3	1253.9	1468.0	2084.4	4586.6	7013.9	9207.2
-20°	460.0	612.3	785.0	975.3	1139.7	1217.0	1387.6	1878.6	3646.9	6060.4	8285.9



REPORT NUMBER: P1305891 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	430.5	574.6	740.4	925.2	1091.4	1193.5	1321.7	1649.5	2602.7	5003.5	7226.6
-25°	400.8	538.4	694.6	868.4	1038.1	1167.7	1249.4	1425.0	1955.9	3778.6	5987.9
-27.5°	371.5	499.0	644.7	806.6	980.1	1130.2	1206.0	1340.5	1663.6	2454.8	4637.8
-30°	339.9	456.4	590.7	742.0	909.8	1062.7	1173.5	1249.9	1410.3	1857.0	3129.9
-32.5°	305.9	411.4	538.4	679.1	832.5	990.7	1128.3	1199.3	1307.3	1503.4	1974.7
-35°	272.5	371.5	485.3	612.3	751.4	906.1	1046.5	1160.2	1216.8	1342.3	1580.3
-37.5°	241.7	329.4	429.1	546.2	675.3	813.2	959.5	1084.2	1173.1	1225.6	1354.0
-40°	209.3	285.1	378.2	482.2	595.6	721.0	855.5	988.5	1103.2	1177.4	1225.6
-42.5°	176.4	247.7	327.7	415.5	520.7	631.8	748.6	876.8	997.9	1103.2	1173.1
-45°	150.5	208.9	276.9	358.5	446.1	544.0	650.0	757.9	876.8	988.5	1084.2
-47.5°	123.5	171.5	233.1	299.6	377.1	461.4	551.8	650.0	748.6	855.5	959.5
-50°	98.9	141.0	188.0	247.8	311.9	383.3	461.4	544.0	631.8	721.0	813.2
-52.5°	83.8	109.5	151.5	197.7	252.7	311.9	377.1	446.1	520.7	595.6	675.3
-55°	68.2	89.3	116.5	155.1	197.7	247.8	299.6	358.5	415.5	482.2	546.2
-57.5°	55.3	71.8	91.1	116.5	151.5	188.0	233.1	276.9	327.7	378.2	429.1
-60°	44.0	56.6	71.8	89.3	109.5	141.0	171.5	208.9	247.7	285.1	329.4
-62.5°	33.3	44.0	55.3	68.2	83.8	98.9	123.5	150.5	176.4	209.3	241.7
-65°	26.9	32.7	41.5	51.6	61.4	74.7	88.0	100.9	122.8	145.3	166.8
-67.5°	20.3	25.5	30.6	36.5	45.3	53.9	62.2	73.7	84.8	95.4	108.0
-70°	16.8	18.8	22.8	27.2	31.5	36.7	44.1	51.2	58.0	65.4	74.4
-72.5°	13.8	15.6	17.3	19.0	22.6	26.2	29.7	33.1	37.9	43.6	49.0
-75°	11.3	12.4	13.8	15.3	16.7	18.1	19.6	22.5	25.3	28.0	30.5
-77.5°	9.1	10.0	10.9	11.8	12.7	13.8	14.9	16.0	17.0	18.0	18.9
-80°	7.1	7.7	8.4	9.1	9.8	10.4	11.0	11.6	12.2	12.9	13.6
-82.5°	5.3	5.7	6.2	6.6	7.0	7.4	7.8	8.3	8.7	9.1	9.5
-85°	3.5	3.8	4.1	4.4	4.6	4.9	5.2	5.4	5.6	5.9	6.1
-87.5°	1.8	1.9	2.0	2.2	2.3	2.4	2.6	2.7	2.8	2.9	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



REPORT NUMBER: P1305891 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-5S-HEG-A

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°	3.1	3.2	3.3	3.4	3.4	3.5	3.6	3.6	3.7	3.7	3.7
85°	6.3	6.5	6.7	6.8	7.0	7.1	7.2	7.3	7.4	7.5	7.6
82.5°	9.9	10.2	10.6	10.9	11.1	11.4	11.6	11.8	12.0	12.2	12.3
80°	14.3	15.0	15.6	16.1	16.7	17.1	17.6	17.9	18.3	18.6	18.8
77.5°	20.5	22.4	24.1	25.7	27.2	28.6	29.8	30.9	31.9	32.7	33.3
75°	32.9	35.7	39.6	43.1	46.4	49.4	52.1	54.5	56.6	58.3	59.8
72.5°	54.1	59.0	63.9	70.0	75.5	80.6	85.2	89.3	92.8	95.8	98.3
70°	82.9	90.9	98.3	107.6	119.8	130.9	141.0	149.9	157.6	164.3	169.7
67.5°	126.3	143.5	159.6	174.6	191.7	208.9	224.4	238.2	250.3	260.5	268.9
65°	190.0	216.3	240.9	263.8	285.1	309.2	330.9	350.2	367.1	381.5	393.3
62.5°	272.5	305.9	339.9	371.5	400.8	430.5	460.0	486.3	509.2	528.8	544.9
60°	371.5	411.4	456.4	499.0	538.4	574.6	612.3	645.9	675.3	700.4	721.0
57.5°	485.3	538.4	590.7	644.7	694.6	740.4	785.0	827.0	863.7	895.0	920.8
55°	612.3	679.1	742.0	806.6	868.4	925.2	975.3	1014.9	1049.6	1079.2	1103.6
52.5°	751.4	832.5	909.8	980.1	1038.1	1091.4	1139.7	1163.3	1180.2	1194.6	1206.6
50°	906.1	990.7	1062.7	1130.2	1167.7	1193.5	1217.0	1253.9	1301.7	1342.6	1376.3
47.5°	1046.5	1128.3	1173.5	1206.0	1249.4	1321.7	1387.6	1468.0	1635.0	1778.1	1896.5
45°	1160.2	1199.3	1249.9	1340.5	1425.0	1649.5	1878.6	2084.4	2768.0	3424.4	3968.0
42.5°	1216.8	1307.3	1410.3	1663.6	1955.9	2602.7	3646.9	4586.6	5387.2	6056.4	6611.4
40°	1342.3	1503.4	1857.0	2454.8	3778.6	5003.5	6060.4	7013.9	7831.6	8481.3	9021.3
37.5°	1580.3	1974.7	3129.9	4637.8	5987.9	7226.6	8285.9	9207.2	10024.9	10759.3	11370.9
35°	2014.2	3471.3	5148.4	6657.7	8032.0	9220.8	10329.8	11365.3	12286.3	13164.8	13920.4
32.5°	3471.3	5313.6	6996.8	8498.7	9858.5	11179.0	12406.4	13664.4	14796.6	15944.3	17049.0
30°	5148.4	6996.8	8655.7	10189.4	11698.9	13204.4	14701.4	16333.3	17979.0	19597.7	21453.1
27.5°	6657.7	8498.7	10189.4	11874.0	13615.3	15351.3	17507.5	19712.3	22456.7	24863.9	26936.4
25°	8032.0	9858.5	11698.9	13615.3	15639.2	18105.9	21143.7	24433.5	27464.5	30146.8	32412.9
22.5°	9220.8	11179.0	13204.4	15351.3	18105.9	21627.6	25455.8	29077.6	32371.3	35286.9	37932.6
20°	10329.8	12406.4	14701.4	17507.5	21143.7	25455.8	29624.7	33512.9	37141.4	40767.6	44022.1
17.5°	11365.3	13664.4	16333.3	19712.3	24433.5	29077.6	33512.9	37834.5	42237.4	46814.6	50996.6
15°	12286.3	14796.6	17979.0	22456.7	27464.5	32371.3	37141.4	42237.4	47772.5	53355.5	58830.3
12.5°	13164.8	15944.3	19597.7	24863.9	30146.8	35286.9	40767.6	46814.6	53355.5	60160.1	64864.3
10°	13920.4	17049.0	21453.1	26936.4	32412.9	37932.6	44022.1	50996.6	58830.3	64864.3	69388.9
7.5°	14518.1	17925.3	22929.7	28593.0	34229.5	40218.4	47086.9	54995.5	62703.2	68477.2	72134.5
5°	14950.6	18560.8	24003.5	29801.9	35561.0	41903.6	49363.8	58029.6	65324.2	70578.8	73800.2
2.5°	15212.4	18946.1	24655.8	30538.1	36374.4	42937.4	50768.8	59917.2	66974.5	71743.2	74695.0
0°	15300.1	19075.2	24874.6	30785.3	36648.1	43286.0	51244.0	60558.6	67539.0	72100.8	75001.0
-2.5°	15212.4	18946.1	24655.8	30538.1	36374.4	42937.4	50768.8	59917.2	66974.5	71743.2	74695.0
-5°	14950.6	18560.8	24003.5	29801.9	35561.0	41903.6	49363.8	58029.6	65324.2	70578.8	73800.2
-7.5°	14518.1	17925.3	22929.7	28593.0	34229.5	40218.4	47086.9	54995.5	62703.2	68477.2	72134.5
-10°	13920.4	17049.0	21453.1	26936.4	32412.9	37932.6	44022.1	50996.6	58830.3	64864.3	69388.9
-12.5°	13164.8	15944.3	19597.7	24863.9	30146.8	35286.9	40767.6	46814.6	53355.5	60160.1	64864.3
-15°	12286.3	14796.6	17979.0	22456.7	27464.5	32371.3	37141.4	42237.4	47772.5	53355.5	58830.3
-17.5°	11365.3	13664.4	16333.3	19712.3	24433.5	29077.6	33512.9	37834.5	42237.4	46814.6	50996.6
-20°	10329.8	12406.4	14701.4	17507.5	21143.7	25455.8	29624.7	33512.9	37141.4	40767.6	44022.1



REPORT NUMBER: P1305891 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9220.8	11179.0	13204.4	15351.3	18105.9	21627.6	25455.8	29077.6	32371.3	35286.9	37932.6
-25°	8032.0	9858.5	11698.9	13615.3	15639.2	18105.9	21143.7	24433.5	27464.5	30146.8	32412.9
-27.5°	6657.7	8498.7	10189.4	11874.0	13615.3	15351.3	17507.5	19712.3	22456.7	24863.9	26936.4
-30°	5148.4	6996.8	8655.7	10189.4	11698.9	13204.4	14701.4	16333.3	17979.0	19597.7	21453.1
-32.5°	3471.3	5313.6	6996.8	8498.7	9858.5	11179.0	12406.4	13664.4	14796.6	15944.3	17049.0
-35°	2014.2	3471.3	5148.4	6657.7	8032.0	9220.8	10329.8	11365.3	12286.3	13164.8	13920.4
-37.5°	1580.3	1974.7	3129.9	4637.8	5987.9	7226.6	8285.9	9207.2	10024.9	10759.3	11370.9
-40°	1342.3	1503.4	1857.0	2454.8	3778.6	5003.5	6060.4	7013.9	7831.6	8481.3	9021.3
-42.5°	1216.8	1307.3	1410.3	1663.6	1955.9	2602.7	3646.9	4586.6	5387.2	6056.4	6611.4
-45°	1160.2	1199.3	1249.9	1340.5	1425.0	1649.5	1878.6	2084.4	2768.0	3424.4	3968.0
-47.5°	1046.5	1128.3	1173.5	1206.0	1249.4	1321.7	1387.6	1468.0	1635.0	1778.1	1896.5
-50°	906.1	990.7	1062.7	1130.2	1167.7	1193.5	1217.0	1253.9	1301.7	1342.6	1376.3
-52.5°	751.4	832.5	909.8	980.1	1038.1	1091.4	1139.7	1163.3	1180.2	1194.6	1206.6
-55°	612.3	679.1	742.0	806.6	868.4	925.2	975.3	1014.9	1049.6	1079.2	1103.6
-57.5°	485.3	538.4	590.7	644.7	694.6	740.4	785.0	827.0	863.7	895.0	920.8
-60°	371.5	411.4	456.4	499.0	538.4	574.6	612.3	645.9	675.3	700.4	721.0
-62.5°	272.5	305.9	339.9	371.5	400.8	430.5	460.0	486.3	509.2	528.8	544.9
-65°	190.0	216.3	240.9	263.8	285.1	309.2	330.9	350.2	367.1	381.5	393.3
-67.5°	126.3	143.5	159.6	174.6	191.7	208.9	224.4	238.2	250.3	260.5	268.9
-70°	82.9	90.9	98.3	107.6	119.8	130.9	141.0	149.9	157.6	164.3	169.7
-72.5°	54.1	59.0	63.9	70.0	75.5	80.6	85.2	89.3	92.8	95.8	98.3
-75°	32.9	35.7	39.6	43.1	46.4	49.4	52.1	54.5	56.6	58.3	59.8
-77.5°	20.5	22.4	24.1	25.7	27.2	28.6	29.8	30.9	31.9	32.7	33.3
-80°	14.3	15.0	15.6	16.1	16.7	17.1	17.6	17.9	18.3	18.6	18.8
-82.5°	9.9	10.2	10.6	10.9	11.1	11.4	11.6	11.8	12.0	12.2	12.3
-85°	6.3	6.5	6.7	6.8	7.0	7.1	7.2	7.3	7.4	7.5	7.6
-87.5°	3.1	3.2	3.3	3.4	3.4	3.5	3.6	3.6	3.7	3.7	3.7
-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: P1305891 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-5S-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°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.6
85°	7.6	7.7	7.7	7.7	7.7	7.7	7.6	7.6	7.5	7.4	7.3
82.5°	12.4	12.4	12.5	12.5	12.5	12.4	12.4	12.3	12.2	12.0	11.8
80°	19.0	19.1	19.2	19.2	19.2	19.1	19.0	18.8	18.6	18.3	17.9
77.5°	33.8	34.2	34.4	34.5	34.4	34.2	33.8	33.3	32.7	31.9	30.9
75°	60.9	61.7	62.2	62.4	62.2	61.7	60.9	59.8	58.3	56.6	54.5
72.5°	100.2	101.6	102.4	102.7	102.4	101.6	100.2	98.3	95.8	92.8	89.3
70°	173.9	177.0	178.8	179.4	178.8	177.0	173.9	169.7	164.3	157.6	149.9
67.5°	275.5	280.2	283.1	284.0	283.1	280.2	275.5	268.9	260.5	250.3	238.2
65°	402.5	409.1	413.1	414.4	413.1	409.1	402.5	393.3	381.5	367.1	350.2
62.5°	557.5	566.5	571.9	573.7	571.9	566.5	557.5	544.9	528.8	509.2	486.3
60°	737.1	748.6	755.6	757.9	755.6	748.6	737.1	721.0	700.4	675.3	645.9
57.5°	940.9	955.4	964.1	967.0	964.1	955.4	940.9	920.8	895.0	863.7	827.0
55°	1122.7	1136.4	1144.6	1147.4	1144.6	1136.4	1122.7	1103.6	1079.2	1049.6	1014.9
52.5°	1215.9	1222.6	1226.7	1228.0	1226.7	1222.6	1215.9	1206.6	1194.6	1180.2	1163.3
50°	1402.8	1421.8	1433.3	1437.1	1433.3	1421.8	1402.8	1376.3	1342.6	1301.7	1253.9
47.5°	1989.3	2056.0	2096.3	2109.7	2096.3	2056.0	1989.3	1896.5	1778.1	1635.0	1468.0
45°	4395.0	4702.2	4887.5	4949.4	4887.5	4702.2	4395.0	3968.0	3424.4	2768.0	2084.4
42.5°	7047.9	7362.3	7552.1	7615.5	7552.1	7362.3	7047.9	6611.4	6056.4	5387.2	4586.6
40°	9446.5	9753.3	9938.5	10000.5	9938.5	9753.3	9446.5	9021.3	8481.3	7831.6	7013.9
37.5°	11853.5	12202.1	12412.9	12483.4	12412.9	12202.1	11853.5	11370.9	10759.3	10024.9	9207.2
35°	14518.1	14950.6	15212.4	15300.1	15212.4	14950.6	14518.1	13920.4	13164.8	12286.3	11365.3
32.5°	17925.3	18560.8	18946.1	19075.2	18946.1	18560.8	17925.3	17049.0	15944.3	14796.6	13664.4
30°	22929.7	24003.5	24655.8	24874.6	24655.8	24003.5	22929.7	21453.1	19597.7	17979.0	16333.3
27.5°	28593.0	29801.9	30538.1	30785.3	30538.1	29801.9	28593.0	26936.4	24863.9	22456.7	19712.3
25°	34229.5	35561.0	36374.4	36648.1	36374.4	35561.0	34229.5	32412.9	30146.8	27464.5	24433.5
22.5°	40218.4	41903.6	42937.4	43286.0	42937.4	41903.6	40218.4	37932.6	35286.9	32371.3	29077.6
20°	47086.9	49363.8	50768.8	51244.0	50768.8	49363.8	47086.9	44022.1	40767.6	37141.4	33512.9
17.5°	54995.5	58029.6	59917.2	60558.6	59917.2	58029.6	54995.5	50996.6	46814.6	42237.4	37834.5
15°	62703.2	65324.2	66974.5	67539.0	66974.5	65324.2	62703.2	58830.3	53355.5	47772.5	42237.4
12.5°	68477.2	70578.8	71743.2	72100.8	71743.2	70578.8	68477.2	64864.3	60160.1	53355.5	46814.6
10°	72134.5	73800.2	74695.0	75001.0	74695.0	73800.2	72134.5	69388.9	64864.3	58830.3	50996.6
7.5°	74406.9	75957.5	76888.9	77217.1	76888.9	75957.5	74406.9	72134.5	68477.2	62703.2	54995.5
5°	75957.5	77569.7	78569.9	78874.9	78569.9	77569.7	75957.5	73800.2	70578.8	65324.2	58029.6
2.5°	76888.9	78569.9	79050.6	79034.2	79050.6	78569.9	76888.9	74695.0	71743.2	66974.5	59917.2
0°	77217.1	78874.9	79034.2	78729.1	79034.2	78874.9	77217.1	75001.0	72100.8	67539.0	60558.6
-2.5°	76888.9	78569.9	79050.6	79034.2	79050.6	78569.9	76888.9	74695.0	71743.2	66974.5	59917.2
-5°	75957.5	77569.7	78569.9	78874.9	78569.9	77569.7	75957.5	73800.2	70578.8	65324.2	58029.6
-7.5°	74406.9	75957.5	76888.9	77217.1	76888.9	75957.5	74406.9	72134.5	68477.2	62703.2	54995.5
-10°	72134.5	73800.2	74695.0	75001.0	74695.0	73800.2	72134.5	69388.9	64864.3	58830.3	50996.6
-12.5°	68477.2	70578.8	71743.2	72100.8	71743.2	70578.8	68477.2	64864.3	60160.1	53355.5	46814.6
-15°	62703.2	65324.2	66974.5	67539.0	66974.5	65324.2	62703.2	58830.3	53355.5	47772.5	42237.4
-17.5°	54995.5	58029.6	59917.2	60558.6	59917.2	58029.6	54995.5	50996.6	46814.6	42237.4	37834.5
-20°	47086.9	49363.8	50768.8	51244.0	50768.8	49363.8	47086.9	44022.1	40767.6	37141.4	33512.9



REPORT NUMBER: P1305891 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	40218.4	41903.6	42937.4	43286.0	42937.4	41903.6	40218.4	37932.6	35286.9	32371.3	29077.6
-25°	34229.5	35561.0	36374.4	36648.1	36374.4	35561.0	34229.5	32412.9	30146.8	27464.5	24433.5
-27.5°	28593.0	29801.9	30538.1	30785.3	30538.1	29801.9	28593.0	26936.4	24863.9	22456.7	19712.3
-30°	22929.7	24003.5	24655.8	24874.6	24655.8	24003.5	22929.7	21453.1	19597.7	17979.0	16333.3
-32.5°	17925.3	18560.8	18946.1	19075.2	18946.1	18560.8	17925.3	17049.0	15944.3	14796.6	13664.4
-35°	14518.1	14950.6	15212.4	15300.1	15212.4	14950.6	14518.1	13920.4	13164.8	12286.3	11365.3
-37.5°	11853.5	12202.1	12412.9	12483.4	12412.9	12202.1	11853.5	11370.9	10759.3	10024.9	9207.2
-40°	9446.5	9753.3	9938.5	10000.5	9938.5	9753.3	9446.5	9021.3	8481.3	7831.6	7013.9
-42.5°	7047.9	7362.3	7552.1	7615.5	7552.1	7362.3	7047.9	6611.4	6056.4	5387.2	4586.6
-45°	4395.0	4702.2	4887.5	4949.4	4887.5	4702.2	4395.0	3968.0	3424.4	2768.0	2084.4
-47.5°	1989.3	2056.0	2096.3	2109.7	2096.3	2056.0	1989.3	1896.5	1778.1	1635.0	1468.0
-50°	1402.8	1421.8	1433.3	1437.1	1433.3	1421.8	1402.8	1376.3	1342.6	1301.7	1253.9
-52.5°	1215.9	1222.6	1226.7	1228.0	1226.7	1222.6	1215.9	1206.6	1194.6	1180.2	1163.3
-55°	1122.7	1136.4	1144.6	1147.4	1144.6	1136.4	1122.7	1103.6	1079.2	1049.6	1014.9
-57.5°	940.9	955.4	964.1	967.0	964.1	955.4	940.9	920.8	895.0	863.7	827.0
-60°	737.1	748.6	755.6	757.9	755.6	748.6	737.1	721.0	700.4	675.3	645.9
-62.5°	557.5	566.5	571.9	573.7	571.9	566.5	557.5	544.9	528.8	509.2	486.3
-65°	402.5	409.1	413.1	414.4	413.1	409.1	402.5	393.3	381.5	367.1	350.2
-67.5°	275.5	280.2	283.1	284.0	283.1	280.2	275.5	268.9	260.5	250.3	238.2
-70°	173.9	177.0	178.8	179.4	178.8	177.0	173.9	169.7	164.3	157.6	149.9
-72.5°	100.2	101.6	102.4	102.7	102.4	101.6	100.2	98.3	95.8	92.8	89.3
-75°	60.9	61.7	62.2	62.4	62.2	61.7	60.9	59.8	58.3	56.6	54.5
-77.5°	33.8	34.2	34.4	34.5	34.4	34.2	33.8	33.3	32.7	31.9	30.9
-80°	19.0	19.1	19.2	19.2	19.2	19.1	19.0	18.8	18.6	18.3	17.9
-82.5°	12.4	12.4	12.5	12.5	12.5	12.4	12.4	12.3	12.2	12.0	11.8
-85°	7.6	7.7	7.7	7.7	7.7	7.7	7.6	7.6	7.5	7.4	7.3
-87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.6	3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7
85°	7.2	7.1	7.0	6.8	6.7	6.5	6.3	6.1	5.9	5.6	5.4
82.5°	11.6	11.4	11.1	10.9	10.6	10.2	9.9	9.5	9.1	8.7	8.3
80°	17.6	17.1	16.7	16.1	15.6	15.0	14.3	13.6	12.9	12.2	11.6
77.5°	29.8	28.6	27.2	25.7	24.1	22.4	20.5	18.9	18.0	17.0	16.0
75°	52.1	49.4	46.4	43.1	39.6	35.7	32.9	30.5	28.0	25.3	22.5
72.5°	85.2	80.6	75.5	70.0	63.9	59.0	54.1	49.0	43.6	37.9	33.1
70°	141.0	130.9	119.8	107.6	98.3	90.9	82.9	74.4	65.4	58.0	51.2
67.5°	224.4	208.9	191.7	174.6	159.6	143.5	126.3	108.0	95.4	84.8	73.7
65°	330.9	309.2	285.1	263.8	240.9	216.3	190.0	166.8	145.3	122.8	100.9
62.5°	460.0	430.5	400.8	371.5	339.9	305.9	272.5	241.7	209.3	176.4	150.5
60°	612.3	574.6	538.4	499.0	456.4	411.4	371.5	329.4	285.1	247.7	208.9
57.5°	785.0	740.4	694.6	644.7	590.7	538.4	485.3	429.1	378.2	327.7	276.9
55°	975.3	925.2	868.4	806.6	742.0	679.1	612.3	546.2	482.2	415.5	358.5
52.5°	1139.7	1091.4	1038.1	980.1	909.8	832.5	751.4	675.3	595.6	520.7	446.1
50°	1217.0	1193.5	1167.7	1130.2	1062.7	990.7	906.1	813.2	721.0	631.8	544.0
47.5°	1387.6	1321.7	1249.4	1206.0	1173.5	1128.3	1046.5	959.5	855.5	748.6	650.0
45°	1878.6	1649.5	1425.0	1340.5	1249.9	1199.3	1160.2	1084.2	988.5	876.8	757.9
42.5°	3646.9	2602.7	1955.9	1663.6	1410.3	1307.3	1216.8	1173.1	1103.2	997.9	876.8
40°	6060.4	5003.5	3778.6	2454.8	1857.0	1503.4	1342.3	1225.6	1177.4	1103.2	988.5
37.5°	8285.9	7226.6	5987.9	4637.8	3129.9	1974.7	1580.3	1354.0	1225.6	1173.1	1084.2
35°	10329.8	9220.8	8032.0	6657.7	5148.4	3471.3	2014.2	1580.3	1342.3	1216.8	1160.2
32.5°	12406.4	11179.0	9858.5	8498.7	6996.8	5313.6	3471.3	1974.7	1503.4	1307.3	1199.3
30°	14701.4	13204.4	11698.9	10189.4	8655.7	6996.8	5148.4	3129.9	1857.0	1410.3	1249.9
27.5°	17507.5	15351.3	13615.3	11874.0	10189.4	8498.7	6657.7	4637.8	2454.8	1663.6	1340.5
25°	21143.7	18105.9	15639.2	13615.3	11698.9	9858.5	8032.0	5987.9	3778.6	1955.9	1425.0
22.5°	25455.8	21627.6	18105.9	15351.3	13204.4	11179.0	9220.8	7226.6	5003.5	2602.7	1649.5
20°	29624.7	25455.8	21143.7	17507.5	14701.4	12406.4	10329.8	8285.9	6060.4	3646.9	1878.6
17.5°	33512.9	29077.6	24433.5	19712.3	16333.3	13664.4	11365.3	9207.2	7013.9	4586.6	2084.4
15°	37141.4	32371.3	27464.5	22456.7	17979.0	14796.6	12286.3	10024.9	7831.6	5387.2	2768.0
12.5°	40767.6	35286.9	30146.8	24863.9	19597.7	15944.3	13164.8	10759.3	8481.3	6056.4	3424.4
10°	44022.1	37932.6	32412.9	26936.4	21453.1	17049.0	13920.4	11370.9	9021.3	6611.4	3968.0
7.5°	47086.9	40218.4	34229.5	28593.0	22929.7	17925.3	14518.1	11853.5	9446.5	7047.9	4395.0
5°	49363.8	41903.6	35561.0	29801.9	24003.5	18560.8	14950.6	12202.1	9753.3	7362.3	4702.2
2.5°	50768.8	42937.4	36374.4	30538.1	24655.8	18946.1	15212.4	12412.9	9938.5	7552.1	4887.5
0°	51244.0	43286.0	36648.1	30785.3	24874.6	19075.2	15300.1	12483.4	10000.5	7615.5	4949.4
-2.5°	50768.8	42937.4	36374.4	30538.1	24655.8	18946.1	15212.4	12412.9	9938.5	7552.1	4887.5
-5°	49363.8	41903.6	35561.0	29801.9	24003.5	18560.8	14950.6	12202.1	9753.3	7362.3	4702.2
-7.5°	47086.9	40218.4	34229.5	28593.0	22929.7	17925.3	14518.1	11853.5	9446.5	7047.9	4395.0
-10°	44022.1	37932.6	32412.9	26936.4	21453.1	17049.0	13920.4	11370.9	9021.3	6611.4	3968.0
-12.5°	40767.6	35286.9	30146.8	24863.9	19597.7	15944.3	13164.8	10759.3	8481.3	6056.4	3424.4
-15°	37141.4	32371.3	27464.5	22456.7	17979.0	14796.6	12286.3	10024.9	7831.6	5387.2	2768.0
-17.5°	33512.9	29077.6	24433.5	19712.3	16333.3	13664.4	11365.3	9207.2	7013.9	4586.6	2084.4
-20°	29624.7	25455.8	21143.7	17507.5	14701.4	12406.4	10329.8	8285.9	6060.4	3646.9	1878.6



REPORT NUMBER: P1305891 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	25455.8	21627.6	18105.9	15351.3	13204.4	11179.0	9220.8	7226.6	5003.5	2602.7	1649.5
-25°	21143.7	18105.9	15639.2	13615.3	11698.9	9858.5	8032.0	5987.9	3778.6	1955.9	1425.0
-27.5°	17507.5	15351.3	13615.3	11874.0	10189.4	8498.7	6657.7	4637.8	2454.8	1663.6	1340.5
-30°	14701.4	13204.4	11698.9	10189.4	8655.7	6996.8	5148.4	3129.9	1857.0	1410.3	1249.9
-32.5°	12406.4	11179.0	9858.5	8498.7	6996.8	5313.6	3471.3	1974.7	1503.4	1307.3	1199.3
-35°	10329.8	9220.8	8032.0	6657.7	5148.4	3471.3	2014.2	1580.3	1342.3	1216.8	1160.2
-37.5°	8285.9	7226.6	5987.9	4637.8	3129.9	1974.7	1580.3	1354.0	1225.6	1173.1	1084.2
-40°	6060.4	5003.5	3778.6	2454.8	1857.0	1503.4	1342.3	1225.6	1177.4	1103.2	988.5
-42.5°	3646.9	2602.7	1955.9	1663.6	1410.3	1307.3	1216.8	1173.1	1103.2	997.9	876.8
-45°	1878.6	1649.5	1425.0	1340.5	1249.9	1199.3	1160.2	1084.2	988.5	876.8	757.9
-47.5°	1387.6	1321.7	1249.4	1206.0	1173.5	1128.3	1046.5	959.5	855.5	748.6	650.0
-50°	1217.0	1193.5	1167.7	1130.2	1062.7	990.7	906.1	813.2	721.0	631.8	544.0
-52.5°	1139.7	1091.4	1038.1	980.1	909.8	832.5	751.4	675.3	595.6	520.7	446.1
-55°	975.3	925.2	868.4	806.6	742.0	679.1	612.3	546.2	482.2	415.5	358.5
-57.5°	785.0	740.4	694.6	644.7	590.7	538.4	485.3	429.1	378.2	327.7	276.9
-60°	612.3	574.6	538.4	499.0	456.4	411.4	371.5	329.4	285.1	247.7	208.9
-62.5°	460.0	430.5	400.8	371.5	339.9	305.9	272.5	241.7	209.3	176.4	150.5
-65°	330.9	309.2	285.1	263.8	240.9	216.3	190.0	166.8	145.3	122.8	100.9
-67.5°	224.4	208.9	191.7	174.6	159.6	143.5	126.3	108.0	95.4	84.8	73.7
-70°	141.0	130.9	119.8	107.6	98.3	90.9	82.9	74.4	65.4	58.0	51.2
-72.5°	85.2	80.6	75.5	70.0	63.9	59.0	54.1	49.0	43.6	37.9	33.1
-75°	52.1	49.4	46.4	43.1	39.6	35.7	32.9	30.5	28.0	25.3	22.5
-77.5°	29.8	28.6	27.2	25.7	24.1	22.4	20.5	18.9	18.0	17.0	16.0
-80°	17.6	17.1	16.7	16.1	15.6	15.0	14.3	13.6	12.9	12.2	11.6
-82.5°	11.6	11.4	11.1	10.9	10.6	10.2	9.9	9.5	9.1	8.7	8.3
-85°	7.2	7.1	7.0	6.8	6.7	6.5	6.3	6.1	5.9	5.6	5.4
-87.5°	3.6	3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7
-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: P1305891 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-5S-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°	2.6	2.4	2.3	2.2	2.0	1.9	1.8	1.6	1.5	1.3	1.1
85°	5.2	4.9	4.6	4.4	4.1	3.8	3.5	3.2	2.9	2.6	2.3
82.5°	7.8	7.4	7.0	6.6	6.2	5.7	5.3	4.8	4.4	3.9	3.4
80°	11.0	10.4	9.8	9.1	8.4	7.7	7.1	6.5	5.8	5.2	4.6
77.5°	14.9	13.8	12.7	11.8	10.9	10.0	9.1	8.2	7.3	6.5	5.7
75°	19.6	18.1	16.7	15.3	13.8	12.4	11.3	10.2	9.0	7.9	6.9
72.5°	29.7	26.2	22.6	19.0	17.3	15.6	13.8	12.1	10.8	9.4	8.1
70°	44.1	36.7	31.5	27.2	22.8	18.8	16.8	14.7	12.6	11.0	9.4
67.5°	62.2	53.9	45.3	36.5	30.6	25.5	20.3	17.3	15.0	12.6	10.8
65°	88.0	74.7	61.4	51.6	41.5	32.7	26.9	21.0	17.3	14.7	12.1
62.5°	123.5	98.9	83.8	68.2	55.3	44.0	33.3	26.9	20.3	16.8	13.8
60°	171.5	141.0	109.5	89.3	71.8	56.6	44.0	32.7	25.5	18.8	15.6
57.5°	233.1	188.0	151.5	116.5	91.1	71.8	55.3	41.5	30.6	22.8	17.3
55°	299.6	247.8	197.7	155.1	116.5	89.3	68.2	51.6	36.5	27.2	19.0
52.5°	377.1	311.9	252.7	197.7	151.5	109.5	83.8	61.4	45.3	31.5	22.6
50°	461.4	383.3	311.9	247.8	188.0	141.0	98.9	74.7	53.9	36.7	26.2
47.5°	551.8	461.4	377.1	299.6	233.1	171.5	123.5	88.0	62.2	44.1	29.7
45°	650.0	544.0	446.1	358.5	276.9	208.9	150.5	100.9	73.7	51.2	33.1
42.5°	748.6	631.8	520.7	415.5	327.7	247.7	176.4	122.8	84.8	58.0	37.9
40°	855.5	721.0	595.6	482.2	378.2	285.1	209.3	145.3	95.4	65.4	43.6
37.5°	959.5	813.2	675.3	546.2	429.1	329.4	241.7	166.8	108.0	74.4	49.0
35°	1046.5	906.1	751.4	612.3	485.3	371.5	272.5	190.0	126.3	82.9	54.1
32.5°	1128.3	990.7	832.5	679.1	538.4	411.4	305.9	216.3	143.5	90.9	59.0
30°	1173.5	1062.7	909.8	742.0	590.7	456.4	339.9	240.9	159.6	98.3	63.9
27.5°	1206.0	1130.2	980.1	806.6	644.7	499.0	371.5	263.8	174.6	107.6	70.0
25°	1249.4	1167.7	1038.1	868.4	694.6	538.4	400.8	285.1	191.7	119.8	75.5
22.5°	1321.7	1193.5	1091.4	925.2	740.4	574.6	430.5	309.2	208.9	130.9	80.6
20°	1387.6	1217.0	1139.7	975.3	785.0	612.3	460.0	330.9	224.4	141.0	85.2
17.5°	1468.0	1253.9	1163.3	1014.9	827.0	645.9	486.3	350.2	238.2	149.9	89.3
15°	1635.0	1301.7	1180.2	1049.6	863.7	675.3	509.2	367.1	250.3	157.6	92.8
12.5°	1778.1	1342.6	1194.6	1079.2	895.0	700.4	528.8	381.5	260.5	164.3	95.8
10°	1896.5	1376.3	1206.6	1103.6	920.8	721.0	544.9	393.3	268.9	169.7	98.3
7.5°	1989.3	1402.8	1215.9	1122.7	940.9	737.1	557.5	402.5	275.5	173.9	100.2
5°	2056.0	1421.8	1222.6	1136.4	955.4	748.6	566.5	409.1	280.2	177.0	101.6
2.5°	2096.3	1433.3	1226.7	1144.6	964.1	755.6	571.9	413.1	283.1	178.8	102.4
0°	2109.7	1437.1	1228.0	1147.4	967.0	757.9	573.7	414.4	284.0	179.4	102.7
-2.5°	2096.3	1433.3	1226.7	1144.6	964.1	755.6	571.9	413.1	283.1	178.8	102.4
-5°	2056.0	1421.8	1222.6	1136.4	955.4	748.6	566.5	409.1	280.2	177.0	101.6
-7.5°	1989.3	1402.8	1215.9	1122.7	940.9	737.1	557.5	402.5	275.5	173.9	100.2
-10°	1896.5	1376.3	1206.6	1103.6	920.8	721.0	544.9	393.3	268.9	169.7	98.3
-12.5°	1778.1	1342.6	1194.6	1079.2	895.0	700.4	528.8	381.5	260.5	164.3	95.8
-15°	1635.0	1301.7	1180.2	1049.6	863.7	675.3	509.2	367.1	250.3	157.6	92.8
-17.5°	1468.0	1253.9	1163.3	1014.9	827.0	645.9	486.3	350.2	238.2	149.9	89.3
-20°	1387.6	1217.0	1139.7	975.3	785.0	612.3	460.0	330.9	224.4	141.0	85.2



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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°	1321.7	1193.5	1091.4	925.2	740.4	574.6	430.5	309.2	208.9	130.9	80.6
-25°	1249.4	1167.7	1038.1	868.4	694.6	538.4	400.8	285.1	191.7	119.8	75.5
-27.5°	1206.0	1130.2	980.1	806.6	644.7	499.0	371.5	263.8	174.6	107.6	70.0
-30°	1173.5	1062.7	909.8	742.0	590.7	456.4	339.9	240.9	159.6	98.3	63.9
-32.5°	1128.3	990.7	832.5	679.1	538.4	411.4	305.9	216.3	143.5	90.9	59.0
-35°	1046.5	906.1	751.4	612.3	485.3	371.5	272.5	190.0	126.3	82.9	54.1
-37.5°	959.5	813.2	675.3	546.2	429.1	329.4	241.7	166.8	108.0	74.4	49.0
-40°	855.5	721.0	595.6	482.2	378.2	285.1	209.3	145.3	95.4	65.4	43.6
-42.5°	748.6	631.8	520.7	415.5	327.7	247.7	176.4	122.8	84.8	58.0	37.9
-45°	650.0	544.0	446.1	358.5	276.9	208.9	150.5	100.9	73.7	51.2	33.1
-47.5°	551.8	461.4	377.1	299.6	233.1	171.5	123.5	88.0	62.2	44.1	29.7
-50°	461.4	383.3	311.9	247.8	188.0	141.0	98.9	74.7	53.9	36.7	26.2
-52.5°	377.1	311.9	252.7	197.7	151.5	109.5	83.8	61.4	45.3	31.5	22.6
-55°	299.6	247.8	197.7	155.1	116.5	89.3	68.2	51.6	36.5	27.2	19.0
-57.5°	233.1	188.0	151.5	116.5	91.1	71.8	55.3	41.5	30.6	22.8	17.3
-60°	171.5	141.0	109.5	89.3	71.8	56.6	44.0	32.7	25.5	18.8	15.6
-62.5°	123.5	98.9	83.8	68.2	55.3	44.0	33.3	26.9	20.3	16.8	13.8
-65°	88.0	74.7	61.4	51.6	41.5	32.7	26.9	21.0	17.3	14.7	12.1
-67.5°	62.2	53.9	45.3	36.5	30.6	25.5	20.3	17.3	15.0	12.6	10.8
-70°	44.1	36.7	31.5	27.2	22.8	18.8	16.8	14.7	12.6	11.0	9.4
-72.5°	29.7	26.2	22.6	19.0	17.3	15.6	13.8	12.1	10.8	9.4	8.1
-75°	19.6	18.1	16.7	15.3	13.8	12.4	11.3	10.2	9.0	7.9	6.9
-77.5°	14.9	13.8	12.7	11.8	10.9	10.0	9.1	8.2	7.3	6.5	5.7
-80°	11.0	10.4	9.8	9.1	8.4	7.7	7.1	6.5	5.8	5.2	4.6
-82.5°	7.8	7.4	7.0	6.6	6.2	5.7	5.3	4.8	4.4	3.9	3.4
-85°	5.2	4.9	4.6	4.4	4.1	3.8	3.5	3.2	2.9	2.6	2.3
-87.5°	2.6	2.4	2.3	2.2	2.0	1.9	1.8	1.6	1.5	1.3	1.1
-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°	1.0	0.8	0.7	0.5	0.3	0.2	0.0
85°	2.0	1.6	1.3	1.0	0.7	0.3	0.0
82.5°	2.9	2.5	2.0	1.5	1.0	0.5	0.0
80°	3.9	3.3	2.6	2.0	1.3	0.7	0.0
77.5°	4.9	4.1	3.3	2.5	1.6	0.8	0.0
75°	5.9	4.9	3.9	2.9	2.0	1.0	0.0
72.5°	6.9	5.7	4.6	3.4	2.3	1.1	0.0
70°	7.9	6.5	5.2	3.9	2.6	1.3	0.0
67.5°	9.0	7.3	5.8	4.4	2.9	1.5	0.0
65°	10.2	8.2	6.5	4.8	3.2	1.6	0.0
62.5°	11.3	9.1	7.1	5.3	3.5	1.8	0.0
60°	12.4	10.0	7.7	5.7	3.8	1.9	0.0
57.5°	13.8	10.9	8.4	6.2	4.1	2.0	0.0
55°	15.3	11.8	9.1	6.6	4.4	2.2	0.0
52.5°	16.7	12.7	9.8	7.0	4.6	2.3	0.0
50°	18.1	13.8	10.4	7.4	4.9	2.4	0.0
47.5°	19.6	14.9	11.0	7.8	5.2	2.6	0.0
45°	22.5	16.0	11.6	8.3	5.4	2.7	0.0
42.5°	25.3	17.0	12.2	8.7	5.6	2.8	0.0
40°	28.0	18.0	12.9	9.1	5.9	2.9	0.0
37.5°	30.5	18.9	13.6	9.5	6.1	3.0	0.0
35°	32.9	20.5	14.3	9.9	6.3	3.1	0.0
32.5°	35.7	22.4	15.0	10.2	6.5	3.2	0.0
30°	39.6	24.1	15.6	10.6	6.7	3.3	0.0
27.5°	43.1	25.7	16.1	10.9	6.8	3.4	0.0
25°	46.4	27.2	16.7	11.1	7.0	3.4	0.0
22.5°	49.4	28.6	17.1	11.4	7.1	3.5	0.0
20°	52.1	29.8	17.6	11.6	7.2	3.6	0.0
17.5°	54.5	30.9	17.9	11.8	7.3	3.6	0.0
15°	56.6	31.9	18.3	12.0	7.4	3.7	0.0
12.5°	58.3	32.7	18.6	12.2	7.5	3.7	0.0
10°	59.8	33.3	18.8	12.3	7.6	3.7	0.0
7.5°	60.9	33.8	19.0	12.4	7.6	3.8	0.0
5°	61.7	34.2	19.1	12.4	7.7	3.8	0.0
2.5°	62.2	34.4	19.2	12.5	7.7	3.8	0.0
0°	62.4	34.5	19.2	12.5	7.7	3.8	0.0
-2.5°	62.2	34.4	19.2	12.5	7.7	3.8	0.0
-5°	61.7	34.2	19.1	12.4	7.7	3.8	0.0
-7.5°	60.9	33.8	19.0	12.4	7.6	3.8	0.0
-10°	59.8	33.3	18.8	12.3	7.6	3.7	0.0
-12.5°	58.3	32.7	18.6	12.2	7.5	3.7	0.0
-15°	56.6	31.9	18.3	12.0	7.4	3.7	0.0
-17.5°	54.5	30.9	17.9	11.8	7.3	3.6	0.0
-20°	52.1	29.8	17.6	11.6	7.2	3.6	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	49.4	28.6	17.1	11.4	7.1	3.5	0.0
-25°	46.4	27.2	16.7	11.1	7.0	3.4	0.0
-27.5°	43.1	25.7	16.1	10.9	6.8	3.4	0.0
-30°	39.6	24.1	15.6	10.6	6.7	3.3	0.0
-32.5°	35.7	22.4	15.0	10.2	6.5	3.2	0.0
-35°	32.9	20.5	14.3	9.9	6.3	3.1	0.0
-37.5°	30.5	18.9	13.6	9.5	6.1	3.0	0.0
-40°	28.0	18.0	12.9	9.1	5.9	2.9	0.0
-42.5°	25.3	17.0	12.2	8.7	5.6	2.8	0.0
-45°	22.5	16.0	11.6	8.3	5.4	2.7	0.0
-47.5°	19.6	14.9	11.0	7.8	5.2	2.6	0.0
-50°	18.1	13.8	10.4	7.4	4.9	2.4	0.0
-52.5°	16.7	12.7	9.8	7.0	4.6	2.3	0.0
-55°	15.3	11.8	9.1	6.6	4.4	2.2	0.0
-57.5°	13.8	10.9	8.4	6.2	4.1	2.0	0.0
-60°	12.4	10.0	7.7	5.7	3.8	1.9	0.0
-62.5°	11.3	9.1	7.1	5.3	3.5	1.8	0.0
-65°	10.2	8.2	6.5	4.8	3.2	1.6	0.0
-67.5°	9.0	7.3	5.8	4.4	2.9	1.5	0.0
-70°	7.9	6.5	5.2	3.9	2.6	1.3	0.0
-72.5°	6.9	5.7	4.6	3.4	2.3	1.1	0.0
-75°	5.9	4.9	3.9	2.9	2.0	1.0	0.0
-77.5°	4.9	4.1	3.3	2.5	1.6	0.8	0.0
-80°	3.9	3.3	2.6	2.0	1.3	0.7	0.0
-82.5°	2.9	2.5	2.0	1.5	1.0	0.5	0.0
-85°	2.0	1.6	1.3	1.0	0.7	0.3	0.0
-87.5°	1.0	0.8	0.7	0.5	0.3	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)