

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: P1305915 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-57-80-5S-HEG-A**

Issue Date: 2/3/2026

Test Information

Test Method: LM-79-08
Report Number: P1305915 (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-57-80-5S-HEG-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 5S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

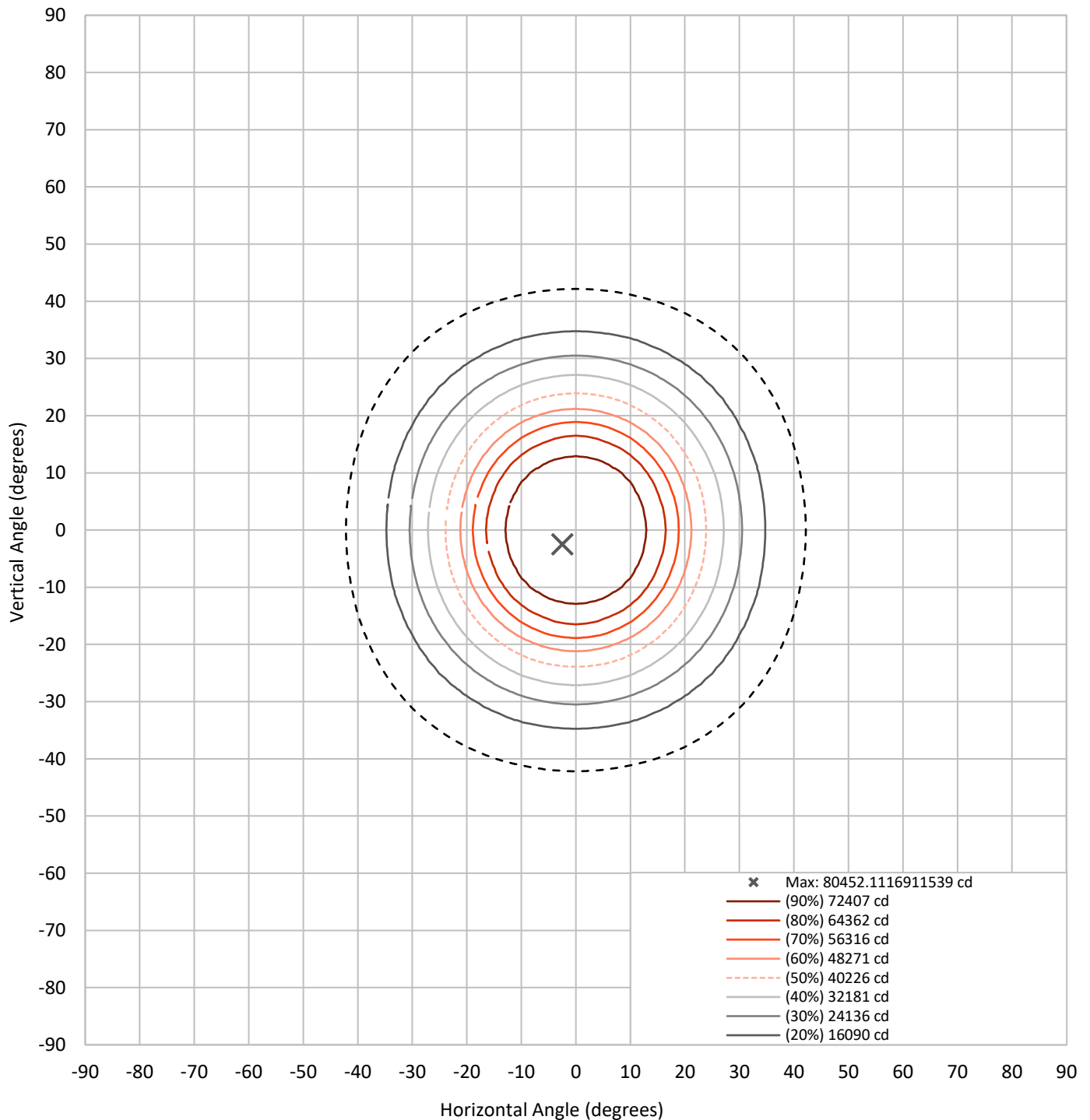
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	58805.7 lumens	Max Intensity:	80452.1 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	176.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	47.6°H x 47.6°V	Field Angle (10%):	84.3°H x 84.3°V
Beam Lumens:	32990 lumens	Field Lumens:	54792.3 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





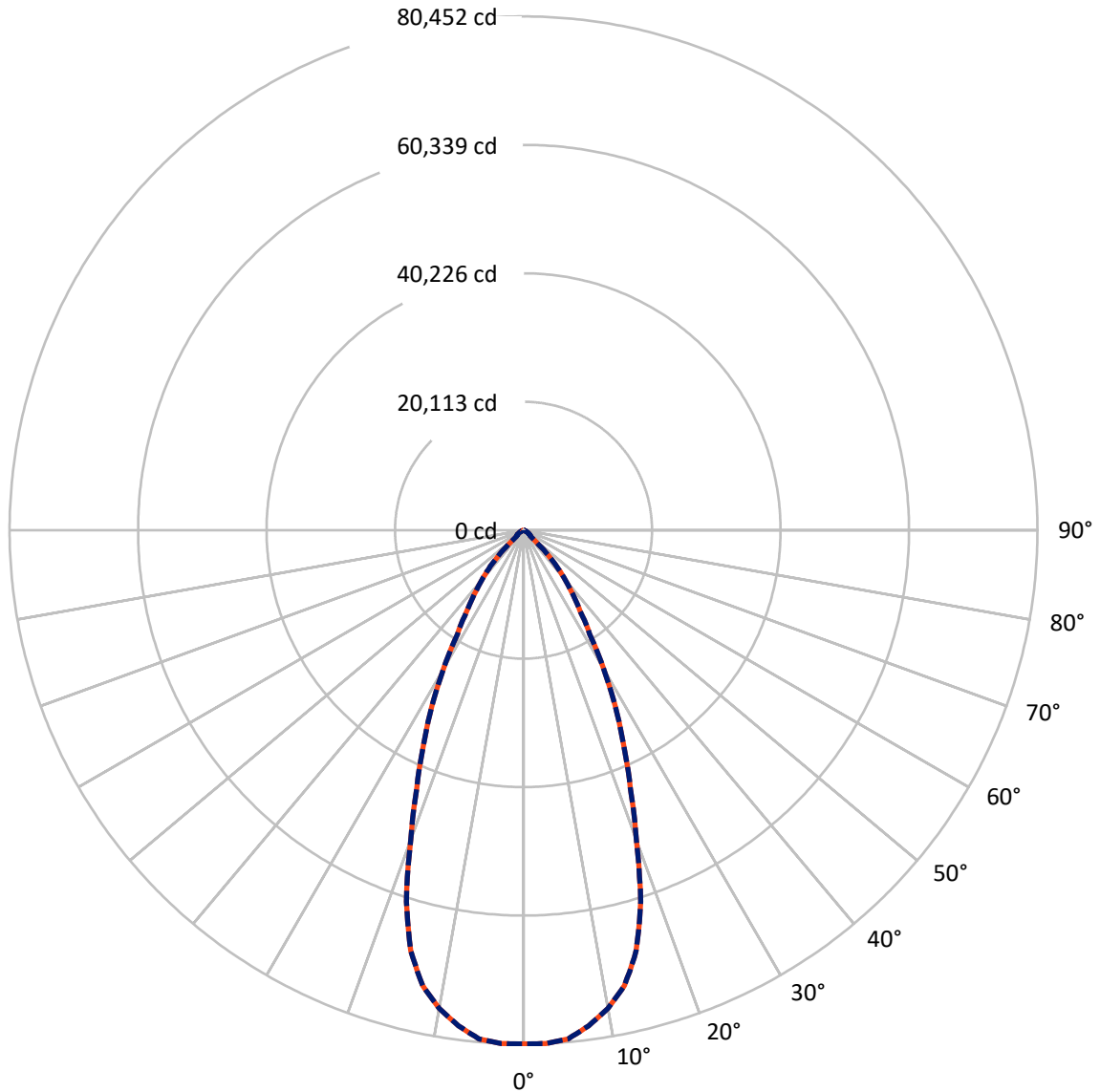
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Lumen Table

90	0.1	0.5	1.9	4.0	5.1	4.0	1.9	0.5	0.1										
80	0.1	0.5	1.9	4.0	5.1	4.0	1.9	0.5	0.1										
70	0.3	0.3	1.0	2.5	5.2	8.5	11.5	13.2	13.2	11.5	8.5	5.2	2.5	1.0	0.3	0.3			
60		0.7	3.0	8.1	15.8	24.2	30.4	33.8	33.8	30.4	24.2	15.8	8.1	3.0	0.7				
50	0.6	1.6	6.6	16.8	29.0	52.3	106.6	150.0	150.0	106.6	52.3	29.0	16.8	6.6	1.6	0.6			
40		2.8	11.2	25.1	73.0	220.9	373.0	477.9	477.9	373.0	220.9	73.0	25.1	11.2	2.8				
30	1.1	4.1	15.5	41.3	200.7	456.7	817.4	1097.0	1097.0	817.4	456.7	200.7	41.3	15.5	4.1	1.1			
20		5.2	18.3	79.9	318.4	769.2	1429.4	1947.4	1947.4	1429.4	769.2	318.4	79.9	18.3	5.2				
10	1.4	5.8	19.7	109.2	396.2	1002.3	1890.7	2360.1	2360.1	1890.7	1002.3	396.2	109.2	19.7	5.8	1.4			
0		5.8	19.7	109.2	396.2	1002.3	1890.7	2360.1	2360.1	1890.7	1002.3	396.2	109.2	19.7	5.8				
-10	1.1	5.2	18.3	79.9	318.4	769.2	1429.4	1947.4	1947.4	1429.4	769.2	318.4	79.9	18.3	5.2	1.1			
-20		4.1	15.5	41.3	200.7	456.7	817.4	1097.0	1097.0	817.4	456.7	200.7	41.3	15.5	4.1				
-30	0.6	2.8	11.2	25.1	73.0	220.9	373.0	477.9	477.9	373.0	220.9	73.0	25.1	11.2	2.8	0.6			
-40		1.6	6.6	16.8	29.0	52.3	106.6	150.0	150.0	106.6	52.3	29.0	16.8	6.6	1.6				
-50	0.3	0.7	3.0	8.1	15.8	24.2	30.4	33.8	33.8	30.4	24.2	15.8	8.1	3.0	0.7	0.3			
-60		0.3	1.0	2.5	5.2	8.5	11.5	13.2	13.2	11.5	8.5	5.2	2.5	1.0	0.3				
-70	0.1	0.3	1.0	2.5	5.2	8.5	11.5	13.2	13.2	11.5	8.5	5.2	2.5	1.0	0.3	0.1			
-80		0.1	0.5	1.9	4.0	5.1	4.0	1.9	0.5	0.1									
-90	0.1	0.5	1.9	4.0	5.1	4.0	1.9	0.5	0.1										

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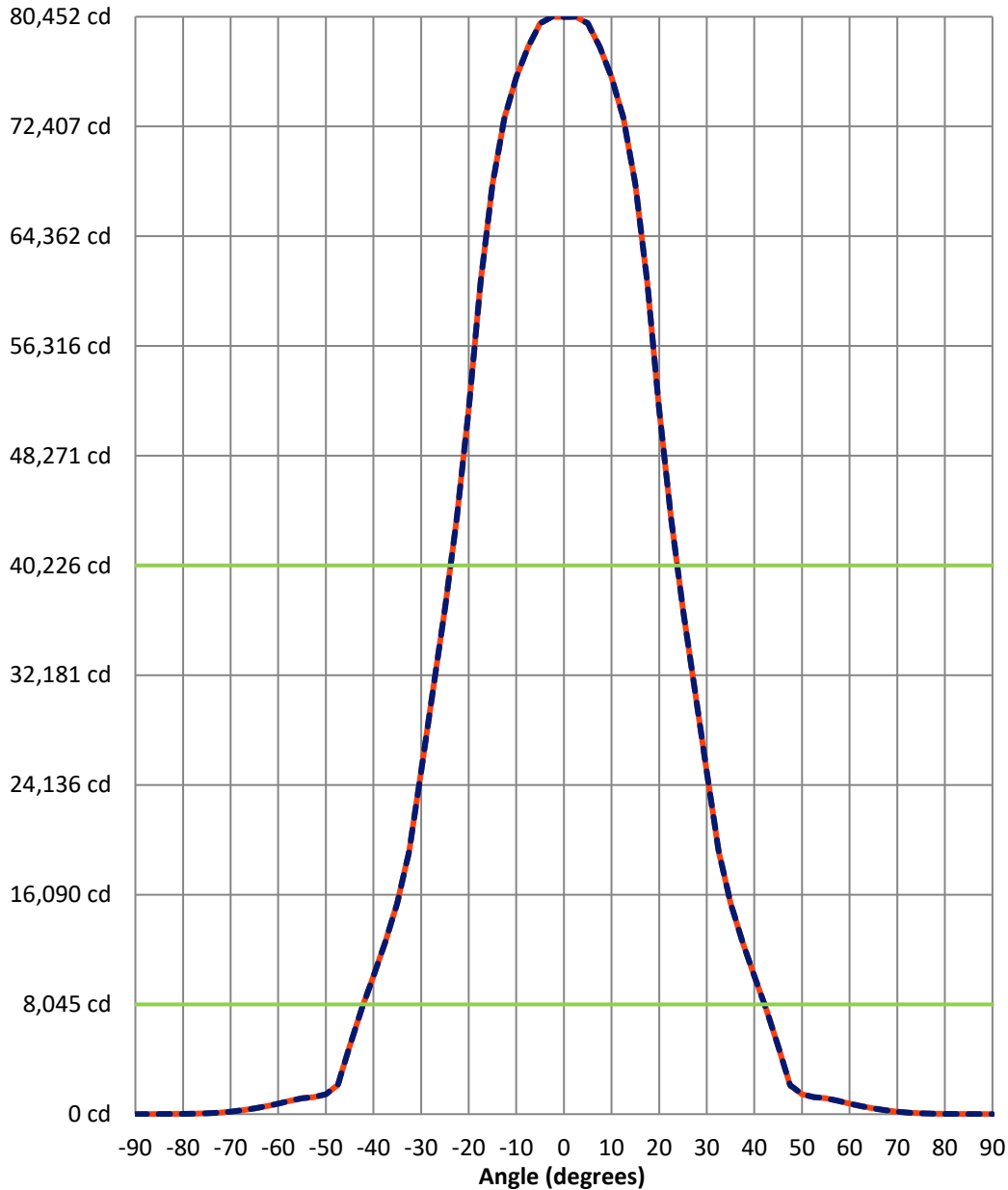
Luminous Intensity Polar Plot



— 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: 32990
 Efficiency: 56.1%

Field:
 H Angle: 84.3°
 V Angle: 84.3°
 Lumens: 54792.3
 Efficiency: 93.2%

Spill:
 Lumens: 4013.4
 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	1.2	1.3	1.5	1.6
85°	0.0	0.3	0.7	1.0	1.4	1.7	2.0	2.3	2.7	3.0	3.3
82.5°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	4.9
80°	0.0	0.7	1.4	2.0	2.7	3.4	4.0	4.7	5.3	5.9	6.6
77.5°	0.0	0.8	1.7	2.5	3.4	4.2	5.0	5.8	6.6	7.4	8.3
75°	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.1	10.3
72.5°	0.0	1.2	2.3	3.5	4.7	5.8	7.0	8.2	9.6	11.0	12.3
70°	0.0	1.3	2.7	4.0	5.3	6.6	8.0	9.6	11.2	12.8	14.9
67.5°	0.0	1.5	3.0	4.5	5.9	7.4	9.1	11.0	12.8	15.2	17.6
65°	0.0	1.6	3.3	4.9	6.6	8.3	10.3	12.3	14.9	17.6	21.3
62.5°	0.0	1.8	3.6	5.4	7.2	9.2	11.5	14.0	17.0	20.6	27.3
60°	0.0	1.9	3.9	5.8	7.8	10.2	12.6	15.8	19.1	25.9	33.2
57.5°	0.0	2.1	4.2	6.3	8.5	11.1	14.0	17.6	23.2	31.1	42.2
55°	0.0	2.2	4.5	6.7	9.2	12.0	15.5	19.3	27.7	37.1	52.5
52.5°	0.0	2.4	4.7	7.1	9.9	12.9	17.0	22.9	32.1	46.1	62.5
50°	0.0	2.5	5.0	7.5	10.6	14.1	18.3	26.6	37.4	54.9	76.0
47.5°	0.0	2.6	5.3	7.9	11.2	15.2	19.9	30.2	44.9	63.3	89.6
45°	0.0	2.8	5.5	8.4	11.8	16.2	22.9	33.7	52.1	75.0	102.7
42.5°	0.0	2.9	5.7	8.8	12.4	17.3	25.7	38.6	59.0	86.3	125.0
40°	0.0	3.0	6.0	9.2	13.1	18.3	28.5	44.4	66.6	97.1	147.9
37.5°	0.0	3.1	6.2	9.6	13.8	19.2	31.0	49.9	75.7	109.9	169.8
35°	0.0	3.2	6.4	10.0	14.5	20.8	33.5	55.1	84.3	128.5	193.4
32.5°	0.0	3.3	6.6	10.4	15.2	22.7	36.3	60.0	92.5	146.0	220.1
30°	0.0	3.4	6.8	10.7	15.8	24.5	40.2	65.1	100.1	162.4	245.1
27.5°	0.0	3.5	6.9	11.0	16.4	26.2	43.9	71.2	109.5	177.7	268.4
25°	0.0	3.5	7.1	11.3	16.9	27.7	47.2	76.9	121.9	195.1	290.1
22.5°	0.0	3.6	7.2	11.6	17.4	29.1	50.3	82.0	133.3	212.6	314.6
20°	0.0	3.7	7.3	11.8	17.8	30.3	53.0	86.7	143.5	228.4	336.8
17.5°	0.0	3.7	7.4	12.0	18.2	31.4	55.4	90.8	152.5	242.4	356.4
15°	0.0	3.8	7.5	12.2	18.6	32.4	57.6	94.4	160.5	254.7	373.6
12.5°	0.0	3.8	7.6	12.3	18.8	33.2	59.4	97.5	167.2	265.1	388.2
10°	0.0	3.8	7.7	12.5	19.1	33.9	60.9	100.0	172.7	273.7	400.3
7.5°	0.0	3.9	7.7	12.6	19.3	34.4	62.0	102.0	177.0	280.4	409.7
5°	0.0	3.9	7.8	12.6	19.4	34.8	62.8	103.4	180.1	285.2	416.4
2.5°	0.0	3.9	7.8	12.7	19.5	35.0	63.3	104.2	182.0	288.0	420.4
0°	0.0	3.9	7.8	12.7	19.5	35.1	63.5	104.5	182.6	289.0	421.8
-2.5°	0.0	3.9	7.8	12.7	19.5	35.1	63.5	104.5	182.6	289.0	421.8
-5°	0.0	3.9	7.8	12.6	19.4	34.8	62.8	103.4	180.1	285.2	416.4
-7.5°	0.0	3.9	7.7	12.6	19.3	34.4	62.0	102.0	177.0	280.4	409.7
-10°	0.0	3.8	7.7	12.5	19.1	33.9	60.9	100.0	172.7	273.7	400.3
-12.5°	0.0	3.8	7.6	12.3	18.8	33.2	59.4	97.5	167.2	265.1	388.2
-15°	0.0	3.8	7.5	12.2	18.6	32.4	57.6	94.4	160.5	254.7	373.6
-17.5°	0.0	3.7	7.4	12.0	18.2	31.4	55.4	90.8	152.5	242.4	356.4
-20°	0.0	3.7	7.3	11.8	17.8	30.3	53.0	86.7	143.5	228.4	336.8



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 CATALOG NUMBER: EPH-08-320N-57-80-5S-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	3.6	7.2	11.6	17.4	29.1	50.3	82.0	133.3	212.6	314.6
-25°	0.0	3.5	7.1	11.3	16.9	27.7	47.2	76.9	121.9	195.1	290.1
-27.5°	0.0	3.5	6.9	11.0	16.4	26.2	43.9	71.2	109.5	177.7	268.4
-30°	0.0	3.4	6.8	10.7	15.8	24.5	40.2	65.1	100.1	162.4	245.1
-32.5°	0.0	3.3	6.6	10.4	15.2	22.7	36.3	60.0	92.5	146.0	220.1
-35°	0.0	3.2	6.4	10.0	14.5	20.8	33.5	55.1	84.3	128.5	193.4
-37.5°	0.0	3.1	6.2	9.6	13.8	19.2	31.0	49.9	75.7	109.9	169.8
-40°	0.0	3.0	6.0	9.2	13.1	18.3	28.5	44.4	66.6	97.1	147.9
-42.5°	0.0	2.9	5.7	8.8	12.4	17.3	25.7	38.6	59.0	86.3	125.0
-45°	0.0	2.8	5.5	8.4	11.8	16.2	22.9	33.7	52.1	75.0	102.7
-47.5°	0.0	2.6	5.3	7.9	11.2	15.2	19.9	30.2	44.9	63.3	89.6
-50°	0.0	2.5	5.0	7.5	10.6	14.1	18.3	26.6	37.4	54.9	76.0
-52.5°	0.0	2.4	4.7	7.1	9.9	12.9	17.0	22.9	32.1	46.1	62.5
-55°	0.0	2.2	4.5	6.7	9.2	12.0	15.5	19.3	27.7	37.1	52.5
-57.5°	0.0	2.1	4.2	6.3	8.5	11.1	14.0	17.6	23.2	31.1	42.2
-60°	0.0	1.9	3.9	5.8	7.8	10.2	12.6	15.8	19.1	25.9	33.2
-62.5°	0.0	1.8	3.6	5.4	7.2	9.2	11.5	14.0	17.0	20.6	27.3
-65°	0.0	1.6	3.3	4.9	6.6	8.3	10.3	12.3	14.9	17.6	21.3
-67.5°	0.0	1.5	3.0	4.5	5.9	7.4	9.1	11.0	12.8	15.2	17.6
-70°	0.0	1.3	2.7	4.0	5.3	6.6	8.0	9.6	11.2	12.8	14.9
-72.5°	0.0	1.2	2.3	3.5	4.7	5.8	7.0	8.2	9.6	11.0	12.3
-75°	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.1	10.3
-77.5°	0.0	0.8	1.7	2.5	3.4	4.2	5.0	5.8	6.6	7.4	8.3
-80°	0.0	0.7	1.4	2.0	2.7	3.4	4.0	4.7	5.3	5.9	6.6
-82.5°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	4.9
-85°	0.0	0.3	0.7	1.0	1.4	1.7	2.0	2.3	2.7	3.0	3.3
-87.5°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.2	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	2.1	2.2	2.4	2.5	2.6	2.8	2.9	3.0	3.1
85°	3.6	3.9	4.2	4.5	4.7	5.0	5.3	5.5	5.7	6.0	6.2
82.5°	5.4	5.8	6.3	6.7	7.1	7.5	7.9	8.4	8.8	9.2	9.6
80°	7.2	7.8	8.5	9.2	9.9	10.6	11.2	11.8	12.4	13.1	13.8
77.5°	9.2	10.2	11.1	12.0	12.9	14.1	15.2	16.2	17.3	18.3	19.2
75°	11.5	12.6	14.0	15.5	17.0	18.3	19.9	22.9	25.7	28.5	31.0
72.5°	14.0	15.8	17.6	19.3	22.9	26.6	30.2	33.7	38.6	44.4	49.9
70°	17.0	19.1	23.2	27.7	32.1	37.4	44.9	52.1	59.0	66.6	75.7
67.5°	20.6	25.9	31.1	37.1	46.1	54.9	63.3	75.0	86.3	97.1	109.9
65°	27.3	33.2	42.2	52.5	62.5	76.0	89.6	102.7	125.0	147.9	169.8
62.5°	33.9	44.7	56.3	69.4	85.2	100.7	125.6	153.1	179.6	213.0	246.0
60°	44.7	57.6	73.1	90.8	111.4	143.5	174.6	212.6	252.0	290.1	335.2
57.5°	56.3	73.1	92.7	118.5	154.2	191.3	237.3	281.7	333.5	384.9	436.8
55°	69.4	90.8	118.5	157.8	201.2	252.2	304.9	364.8	422.9	490.8	555.9
52.5°	85.2	111.4	154.2	201.2	257.2	317.5	383.8	454.0	530.0	606.2	687.3
50°	100.7	143.5	191.3	252.2	317.5	390.2	469.7	553.7	643.0	733.7	827.6
47.5°	125.6	174.6	237.3	304.9	383.8	469.7	561.6	661.6	761.9	870.7	976.6
45°	153.1	212.6	281.7	364.8	454.0	553.7	661.6	771.3	892.4	1006.1	1103.5
42.5°	179.6	252.0	333.5	422.9	530.0	643.0	761.9	892.4	1015.6	1122.8	1194.0
40°	213.0	290.1	384.9	490.8	606.2	733.7	870.7	1006.1	1122.8	1198.4	1247.4
37.5°	246.0	335.2	436.8	555.9	687.3	827.6	976.6	1103.5	1194.0	1247.4	1378.0
35°	277.3	378.1	493.9	623.2	764.7	922.2	1065.1	1180.8	1238.4	1366.1	1608.4
32.5°	311.3	418.7	548.0	691.1	847.3	1008.3	1148.4	1220.6	1330.6	1530.1	2009.7
30°	345.9	464.5	601.2	755.1	926.0	1081.6	1194.3	1272.0	1435.4	1889.9	3185.4
27.5°	378.1	507.9	656.1	820.8	997.6	1150.3	1227.4	1364.3	1693.1	2498.3	4720.1
25°	407.9	548.0	706.9	883.8	1056.6	1188.5	1271.5	1450.3	1990.6	3845.6	6094.1
22.5°	438.1	584.8	753.5	941.6	1110.8	1214.7	1345.2	1678.8	2648.8	5092.3	7354.8
20°	468.2	623.2	798.9	992.6	1160.0	1238.6	1412.3	1911.9	3711.5	6167.9	8432.8
17.5°	494.9	657.4	841.6	1032.9	1183.9	1276.1	1494.0	2121.4	4668.0	7138.2	9370.4
15°	518.3	687.3	879.0	1068.2	1201.1	1324.8	1664.0	2817.0	5482.8	7970.4	10202.7
12.5°	538.2	712.8	910.9	1098.4	1215.9	1366.4	1809.7	3485.2	6163.8	8631.7	10950.1
10°	554.6	733.7	937.1	1123.2	1228.0	1400.8	1930.1	4038.4	6728.6	9181.2	11572.5
7.5°	567.4	750.1	957.7	1142.6	1237.5	1427.7	2024.6	4472.9	7172.8	9614.0	12063.6
5°	576.5	761.9	972.4	1156.6	1244.3	1447.0	2092.5	4785.6	7492.8	9926.2	12418.4
2.5°	582.1	768.9	981.2	1165.0	1248.4	1458.7	2133.4	4974.2	7685.9	10114.7	12632.9
0°	583.9	771.3	984.2	1167.8	1249.8	1462.6	2147.1	5037.2	7750.5	10177.8	12704.7
-2.5°	582.1	768.9	981.2	1165.0	1248.4	1458.7	2133.4	4974.2	7685.9	10114.7	12632.9
-5°	576.5	761.9	972.4	1156.6	1244.3	1447.0	2092.5	4785.6	7492.8	9926.2	12418.4
-7.5°	567.4	750.1	957.7	1142.6	1237.5	1427.7	2024.6	4472.9	7172.8	9614.0	12063.6
-10°	554.6	733.7	937.1	1123.2	1228.0	1400.8	1930.1	4038.4	6728.6	9181.2	11572.5
-12.5°	538.2	712.8	910.9	1098.4	1215.9	1366.4	1809.7	3485.2	6163.8	8631.7	10950.1
-15°	518.3	687.3	879.0	1068.2	1201.1	1324.8	1664.0	2817.0	5482.8	7970.4	10202.7
-17.5°	494.9	657.4	841.6	1032.9	1183.9	1276.1	1494.0	2121.4	4668.0	7138.2	9370.4
-20°	468.2	623.2	798.9	992.6	1160.0	1238.6	1412.3	1911.9	3711.5	6167.9	8432.8



REPORT NUMBER: P1305915 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-80-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	438.1	584.8	753.5	941.6	1110.8	1214.7	1345.2	1678.8	2648.8	5092.3	7354.8
-25°	407.9	548.0	706.9	883.8	1056.6	1188.5	1271.5	1450.3	1990.6	3845.6	6094.1
-27.5°	378.1	507.9	656.1	820.8	997.6	1150.3	1227.4	1364.3	1693.1	2498.3	4720.1
-30°	345.9	464.5	601.2	755.1	926.0	1081.6	1194.3	1272.0	1435.4	1889.9	3185.4
-32.5°	311.3	418.7	548.0	691.1	847.3	1008.3	1148.4	1220.6	1330.6	1530.1	2009.7
-35°	277.3	378.1	493.9	623.2	764.7	922.2	1065.1	1180.8	1238.4	1366.1	1608.4
-37.5°	246.0	335.2	436.8	555.9	687.3	827.6	976.6	1103.5	1194.0	1247.4	1378.0
-40°	213.0	290.1	384.9	490.8	606.2	733.7	870.7	1006.1	1122.8	1198.4	1247.4
-42.5°	179.6	252.0	333.5	422.9	530.0	643.0	761.9	892.4	1015.6	1122.8	1194.0
-45°	153.1	212.6	281.7	364.8	454.0	553.7	661.6	771.3	892.4	1006.1	1103.5
-47.5°	125.6	174.6	237.3	304.9	383.8	469.7	561.6	661.6	761.9	870.7	976.6
-50°	100.7	143.5	191.3	252.2	317.5	390.2	469.7	553.7	643.0	733.7	827.6
-52.5°	85.2	111.4	154.2	201.2	257.2	317.5	383.8	454.0	530.0	606.2	687.3
-55°	69.4	90.8	118.5	157.8	201.2	252.2	304.9	364.8	422.9	490.8	555.9
-57.5°	56.3	73.1	92.7	118.5	154.2	191.3	237.3	281.7	333.5	384.9	436.8
-60°	44.7	57.6	73.1	90.8	111.4	143.5	174.6	212.6	252.0	290.1	335.2
-62.5°	33.9	44.7	56.3	69.4	85.2	100.7	125.6	153.1	179.6	213.0	246.0
-65°	27.3	33.2	42.2	52.5	62.5	76.0	89.6	102.7	125.0	147.9	169.8
-67.5°	20.6	25.9	31.1	37.1	46.1	54.9	63.3	75.0	86.3	97.1	109.9
-70°	17.0	19.1	23.2	27.7	32.1	37.4	44.9	52.1	59.0	66.6	75.7
-72.5°	14.0	15.8	17.6	19.3	22.9	26.6	30.2	33.7	38.6	44.4	49.9
-75°	11.5	12.6	14.0	15.5	17.0	18.3	19.9	22.9	25.7	28.5	31.0
-77.5°	9.2	10.2	11.1	12.0	12.9	14.1	15.2	16.2	17.3	18.3	19.2
-80°	7.2	7.8	8.5	9.2	9.9	10.6	11.2	11.8	12.4	13.1	13.8
-82.5°	5.4	5.8	6.3	6.7	7.1	7.5	7.9	8.4	8.8	9.2	9.6
-85°	3.6	3.9	4.2	4.5	4.7	5.0	5.3	5.5	5.7	6.0	6.2
-87.5°	1.8	1.9	2.1	2.2	2.4	2.5	2.6	2.8	2.9	3.0	3.1
-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: P1305915 (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°	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.7	3.8	3.8	3.8
85°	6.4	6.6	6.8	6.9	7.1	7.2	7.3	7.4	7.5	7.6	7.7
82.5°	10.0	10.4	10.7	11.0	11.3	11.6	11.8	12.0	12.2	12.3	12.5
80°	14.5	15.2	15.8	16.4	16.9	17.4	17.8	18.2	18.6	18.8	19.1
77.5°	20.8	22.7	24.5	26.2	27.7	29.1	30.3	31.4	32.4	33.2	33.9
75°	33.5	36.3	40.2	43.9	47.2	50.3	53.0	55.4	57.6	59.4	60.9
72.5°	55.1	60.0	65.1	71.2	76.9	82.0	86.7	90.8	94.4	97.5	100.0
70°	84.3	92.5	100.1	109.5	121.9	133.3	143.5	152.5	160.5	167.2	172.7
67.5°	128.5	146.0	162.4	177.7	195.1	212.6	228.4	242.4	254.7	265.1	273.7
65°	193.4	220.1	245.1	268.4	290.1	314.6	336.8	356.4	373.6	388.2	400.3
62.5°	277.3	311.3	345.9	378.1	407.9	438.1	468.2	494.9	518.3	538.2	554.6
60°	378.1	418.7	464.5	507.9	548.0	584.8	623.2	657.4	687.3	712.8	733.7
57.5°	493.9	548.0	601.2	656.1	706.9	753.5	798.9	841.6	879.0	910.9	937.1
55°	623.2	691.1	755.1	820.8	883.8	941.6	992.6	1032.9	1068.2	1098.4	1123.2
52.5°	764.7	847.3	926.0	997.6	1056.6	1110.8	1160.0	1183.9	1201.1	1215.9	1228.0
50°	922.2	1008.3	1081.6	1150.3	1188.5	1214.7	1238.6	1276.1	1324.8	1366.4	1400.8
47.5°	1065.1	1148.4	1194.3	1227.4	1271.5	1345.2	1412.3	1494.0	1664.0	1809.7	1930.1
45°	1180.8	1220.6	1272.0	1364.3	1450.3	1678.8	1911.9	2121.4	2817.0	3485.2	4038.4
42.5°	1238.4	1330.6	1435.4	1693.1	1990.6	2648.8	3711.5	4668.0	5482.8	6163.8	6728.6
40°	1366.1	1530.1	1889.9	2498.3	3845.6	5092.3	6167.9	7138.2	7970.4	8631.7	9181.2
37.5°	1608.4	2009.7	3185.4	4720.1	6094.1	7354.8	8432.8	9370.4	10202.7	10950.1	11572.5
35°	2049.9	3532.8	5239.8	6775.7	8174.4	9384.3	10512.9	11566.8	12504.1	13398.2	14167.2
32.5°	3532.8	5407.9	7120.8	8649.4	10033.3	11377.2	12626.3	13906.6	15059.0	16227.0	17351.3
30°	5239.8	7120.8	8809.2	10370.0	11906.3	13438.5	14962.1	16622.9	18297.8	19945.2	21833.5
27.5°	6775.7	8649.4	10370.0	12084.5	13856.7	15623.5	17817.9	20061.8	22854.9	25304.8	27414.1
25°	8174.4	10033.3	11906.3	13856.7	15916.5	18426.9	21518.6	24866.7	27951.6	30681.4	32987.7
22.5°	9384.3	11377.2	13438.5	15623.5	18426.9	22011.1	25907.2	29593.2	32945.3	35912.5	38605.1
20°	10512.9	12626.3	14962.1	17817.9	21518.6	25907.2	30150.0	34107.1	37799.9	41490.4	44802.6
17.5°	11566.8	13906.6	16622.9	20061.8	24866.7	29593.2	34107.1	38505.3	42986.2	47644.6	51900.8
15°	12504.1	15059.0	18297.8	22854.9	27951.6	32945.3	37799.9	42986.2	48619.5	54301.5	59873.4
12.5°	13398.2	16227.0	19945.2	25304.8	30681.4	35912.5	41490.4	47644.6	54301.5	61226.7	66014.3
10°	14167.2	17351.3	21833.5	27414.1	32987.7	38605.1	44802.6	51900.8	59873.4	66014.3	70619.2
7.5°	14775.5	18243.1	23336.3	29100.1	34836.4	40931.4	47921.7	55970.6	63814.9	69691.3	73413.4
5°	15215.7	18889.9	24429.2	30330.4	36191.6	42646.5	50239.0	59058.5	66482.3	71830.2	75108.7
2.5°	15482.2	19282.0	25093.0	31079.6	37019.4	43698.6	51668.9	60979.6	68161.9	73015.2	76019.3
0°	15571.4	19413.4	25315.7	31331.2	37297.9	44053.4	52152.6	61632.3	68736.4	73379.2	76330.7
-2.5°	15482.2	19282.0	25093.0	31079.6	37019.4	43698.6	51668.9	60979.6	68161.9	73015.2	76019.3
-5°	15215.7	18889.9	24429.2	30330.4	36191.6	42646.5	50239.0	59058.5	66482.3	71830.2	75108.7
-7.5°	14775.5	18243.1	23336.3	29100.1	34836.4	40931.4	47921.7	55970.6	63814.9	69691.3	73413.4
-10°	14167.2	17351.3	21833.5	27414.1	32987.7	38605.1	44802.6	51900.8	59873.4	66014.3	70619.2
-12.5°	13398.2	16227.0	19945.2	25304.8	30681.4	35912.5	41490.4	47644.6	54301.5	61226.7	66014.3
-15°	12504.1	15059.0	18297.8	22854.9	27951.6	32945.3	37799.9	42986.2	48619.5	54301.5	59873.4
-17.5°	11566.8	13906.6	16622.9	20061.8	24866.7	29593.2	34107.1	38505.3	42986.2	47644.6	51900.8
-20°	10512.9	12626.3	14962.1	17817.9	21518.6	25907.2	30150.0	34107.1	37799.9	41490.4	44802.6



REPORT NUMBER: P1305915 (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°	9384.3	11377.2	13438.5	15623.5	18426.9	22011.1	25907.2	29593.2	32945.3	35912.5	38605.1
-25°	8174.4	10033.3	11906.3	13856.7	15916.5	18426.9	21518.6	24866.7	27951.6	30681.4	32987.7
-27.5°	6775.7	8649.4	10370.0	12084.5	13856.7	15623.5	17817.9	20061.8	22854.9	25304.8	27414.1
-30°	5239.8	7120.8	8809.2	10370.0	11906.3	13438.5	14962.1	16622.9	18297.8	19945.2	21833.5
-32.5°	3532.8	5407.9	7120.8	8649.4	10033.3	11377.2	12626.3	13906.6	15059.0	16227.0	17351.3
-35°	2049.9	3532.8	5239.8	6775.7	8174.4	9384.3	10512.9	11566.8	12504.1	13398.2	14167.2
-37.5°	1608.4	2009.7	3185.4	4720.1	6094.1	7354.8	8432.8	9370.4	10202.7	10950.1	11572.5
-40°	1366.1	1530.1	1889.9	2498.3	3845.6	5092.3	6167.9	7138.2	7970.4	8631.7	9181.2
-42.5°	1238.4	1330.6	1435.4	1693.1	1990.6	2648.8	3711.5	4668.0	5482.8	6163.8	6728.6
-45°	1180.8	1220.6	1272.0	1364.3	1450.3	1678.8	1911.9	2121.4	2817.0	3485.2	4038.4
-47.5°	1065.1	1148.4	1194.3	1227.4	1271.5	1345.2	1412.3	1494.0	1664.0	1809.7	1930.1
-50°	922.2	1008.3	1081.6	1150.3	1188.5	1214.7	1238.6	1276.1	1324.8	1366.4	1400.8
-52.5°	764.7	847.3	926.0	997.6	1056.6	1110.8	1160.0	1183.9	1201.1	1215.9	1228.0
-55°	623.2	691.1	755.1	820.8	883.8	941.6	992.6	1032.9	1068.2	1098.4	1123.2
-57.5°	493.9	548.0	601.2	656.1	706.9	753.5	798.9	841.6	879.0	910.9	937.1
-60°	378.1	418.7	464.5	507.9	548.0	584.8	623.2	657.4	687.3	712.8	733.7
-62.5°	277.3	311.3	345.9	378.1	407.9	438.1	468.2	494.9	518.3	538.2	554.6
-65°	193.4	220.1	245.1	268.4	290.1	314.6	336.8	356.4	373.6	388.2	400.3
-67.5°	128.5	146.0	162.4	177.7	195.1	212.6	228.4	242.4	254.7	265.1	273.7
-70°	84.3	92.5	100.1	109.5	121.9	133.3	143.5	152.5	160.5	167.2	172.7
-72.5°	55.1	60.0	65.1	71.2	76.9	82.0	86.7	90.8	94.4	97.5	100.0
-75°	33.5	36.3	40.2	43.9	47.2	50.3	53.0	55.4	57.6	59.4	60.9
-77.5°	20.8	22.7	24.5	26.2	27.7	29.1	30.3	31.4	32.4	33.2	33.9
-80°	14.5	15.2	15.8	16.4	16.9	17.4	17.8	18.2	18.6	18.8	19.1
-82.5°	10.0	10.4	10.7	11.0	11.3	11.6	11.8	12.0	12.2	12.3	12.5
-85°	6.4	6.6	6.8	6.9	7.1	7.2	7.3	7.4	7.5	7.6	7.7
-87.5°	3.2	3.3	3.4	3.5	3.5	3.6	3.7	3.7	3.8	3.8	3.8
-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: P1305915 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-80-5S-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°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	3.7
85°	7.7	7.8	7.8	7.8	7.8	7.8	7.7	7.7	7.6	7.5	7.4
82.5°	12.6	12.6	12.7	12.7	12.7	12.6	12.6	12.5	12.3	12.2	12.0
80°	19.3	19.4	19.5	19.5	19.5	19.4	19.3	19.1	18.8	18.6	18.2
77.5°	34.4	34.8	35.0	35.1	35.0	34.8	34.4	33.9	33.2	32.4	31.4
75°	62.0	62.8	63.3	63.5	63.3	62.8	62.0	60.9	59.4	57.6	55.4
72.5°	102.0	103.4	104.2	104.5	104.2	103.4	102.0	100.0	97.5	94.4	90.8
70°	177.0	180.1	182.0	182.6	182.0	180.1	177.0	172.7	167.2	160.5	152.5
67.5°	280.4	285.2	288.0	289.0	288.0	285.2	280.4	273.7	265.1	254.7	242.4
65°	409.7	416.4	420.4	421.8	420.4	416.4	409.7	400.3	388.2	373.6	356.4
62.5°	567.4	576.5	582.1	583.9	582.1	576.5	567.4	554.6	538.2	518.3	494.9
60°	750.1	761.9	768.9	771.3	768.9	761.9	750.1	733.7	712.8	687.3	657.4
57.5°	957.7	972.4	981.2	984.2	981.2	972.4	957.7	937.1	910.9	879.0	841.6
55°	1142.6	1156.6	1165.0	1167.8	1165.0	1156.6	1142.6	1123.2	1098.4	1068.2	1032.9
52.5°	1237.5	1244.3	1248.4	1249.8	1248.4	1244.3	1237.5	1228.0	1215.9	1201.1	1183.9
50°	1427.7	1447.0	1458.7	1462.6	1458.7	1447.0	1427.7	1400.8	1366.4	1324.8	1276.1
47.5°	2024.6	2092.5	2133.4	2147.1	2133.4	2092.5	2024.6	1930.1	1809.7	1664.0	1494.0
45°	4472.9	4785.6	4974.2	5037.2	4974.2	4785.6	4472.9	4038.4	3485.2	2817.0	2121.4
42.5°	7172.8	7492.8	7685.9	7750.5	7685.9	7492.8	7172.8	6728.6	6163.8	5482.8	4668.0
40°	9614.0	9926.2	10114.7	10177.8	10114.7	9926.2	9614.0	9181.2	8631.7	7970.4	7138.2
37.5°	12063.6	12418.4	12632.9	12704.7	12632.9	12418.4	12063.6	11572.5	10950.1	10202.7	9370.4
35°	14775.5	15215.7	15482.2	15571.4	15482.2	15215.7	14775.5	14167.2	13398.2	12504.1	11566.8
32.5°	18243.1	18889.9	19282.0	19413.4	19282.0	18889.9	18243.1	17351.3	16227.0	15059.0	13906.6
30°	23336.3	24429.2	25093.0	25315.7	25093.0	24429.2	23336.3	21833.5	19945.2	18297.8	16622.9
27.5°	29100.1	30330.4	31079.6	31331.2	31079.6	30330.4	29100.1	27414.1	25304.8	22854.9	20061.8
25°	34836.4	36191.6	37019.4	37297.9	37019.4	36191.6	34836.4	32987.7	30681.4	27951.6	24866.7
22.5°	40931.4	42646.5	43698.6	44053.4	43698.6	42646.5	40931.4	38605.1	35912.5	32945.3	29593.2
20°	47921.7	50239.0	51668.9	52152.6	51668.9	50239.0	47921.7	44802.6	41490.4	37799.9	34107.1
17.5°	55970.6	59058.5	60979.6	61632.3	60979.6	59058.5	55970.6	51900.8	47644.6	42986.2	38505.3
15°	63814.9	66482.3	68161.9	68736.4	68161.9	66482.3	63814.9	59873.4	54301.5	48619.5	42986.2
12.5°	69691.3	71830.2	73015.2	73379.2	73015.2	71830.2	69691.3	66014.3	61226.7	54301.5	47644.6
10°	73413.4	75108.7	76019.3	76330.7	76019.3	75108.7	73413.4	70619.2	66014.3	59873.4	51900.8
7.5°	75726.2	77304.2	78252.2	78586.2	78252.2	77304.2	75726.2	73413.4	69691.3	63814.9	55970.6
5°	77304.2	78945.1	79963.0	80273.4	79963.0	78945.1	77304.2	75108.7	71830.2	66482.3	59058.5
2.5°	78252.2	79963.0	80452.1	80435.5	80452.1	79963.0	78252.2	76019.3	73015.2	68161.9	60979.6
0°	78586.2	80273.4	80435.5	80125.0	80435.5	80273.4	78586.2	76330.7	73379.2	68736.4	61632.3
-2.5°	78252.2	79963.0	80452.1	80435.5	80452.1	79963.0	78252.2	76019.3	73015.2	68161.9	60979.6
-5°	77304.2	78945.1	79963.0	80273.4	79963.0	78945.1	77304.2	75108.7	71830.2	66482.3	59058.5
-7.5°	75726.2	77304.2	78252.2	78586.2	78252.2	77304.2	75726.2	73413.4	69691.3	63814.9	55970.6
-10°	73413.4	75108.7	76019.3	76330.7	76019.3	75108.7	73413.4	70619.2	66014.3	59873.4	51900.8
-12.5°	69691.3	71830.2	73015.2	73379.2	73015.2	71830.2	69691.3	66014.3	61226.7	54301.5	47644.6
-15°	63814.9	66482.3	68161.9	68736.4	68161.9	66482.3	63814.9	59873.4	54301.5	48619.5	42986.2
-17.5°	55970.6	59058.5	60979.6	61632.3	60979.6	59058.5	55970.6	51900.8	47644.6	42986.2	38505.3
-20°	47921.7	50239.0	51668.9	52152.6	51668.9	50239.0	47921.7	44802.6	41490.4	37799.9	34107.1



REPORT NUMBER: P1305915 (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°	40931.4	42646.5	43698.6	44053.4	43698.6	42646.5	40931.4	38605.1	35912.5	32945.3	29593.2
-25°	34836.4	36191.6	37019.4	37297.9	37019.4	36191.6	34836.4	32987.7	30681.4	27951.6	24866.7
-27.5°	29100.1	30330.4	31079.6	31331.2	31079.6	30330.4	29100.1	27414.1	25304.8	22854.9	20061.8
-30°	23336.3	24429.2	25093.0	25315.7	25093.0	24429.2	23336.3	21833.5	19945.2	18297.8	16622.9
-32.5°	18243.1	18889.9	19282.0	19413.4	19282.0	18889.9	18243.1	17351.3	16227.0	15059.0	13906.6
-35°	14775.5	15215.7	15482.2	15571.4	15482.2	15215.7	14775.5	14167.2	13398.2	12504.1	11566.8
-37.5°	12063.6	12418.4	12632.9	12704.7	12632.9	12418.4	12063.6	11572.5	10950.1	10202.7	9370.4
-40°	9614.0	9926.2	10114.7	10177.8	10114.7	9926.2	9614.0	9181.2	8631.7	7970.4	7138.2
-42.5°	7172.8	7492.8	7685.9	7750.5	7685.9	7492.8	7172.8	6728.6	6163.8	5482.8	4668.0
-45°	4472.9	4785.6	4974.2	5037.2	4974.2	4785.6	4472.9	4038.4	3485.2	2817.0	2121.4
-47.5°	2024.6	2092.5	2133.4	2147.1	2133.4	2092.5	2024.6	1930.1	1809.7	1664.0	1494.0
-50°	1427.7	1447.0	1458.7	1462.6	1458.7	1447.0	1427.7	1400.8	1366.4	1324.8	1276.1
-52.5°	1237.5	1244.3	1248.4	1249.8	1248.4	1244.3	1237.5	1228.0	1215.9	1201.1	1183.9
-55°	1142.6	1156.6	1165.0	1167.8	1165.0	1156.6	1142.6	1123.2	1098.4	1068.2	1032.9
-57.5°	957.7	972.4	981.2	984.2	981.2	972.4	957.7	937.1	910.9	879.0	841.6
-60°	750.1	761.9	768.9	771.3	768.9	761.9	750.1	733.7	712.8	687.3	657.4
-62.5°	567.4	576.5	582.1	583.9	582.1	576.5	567.4	554.6	538.2	518.3	494.9
-65°	409.7	416.4	420.4	421.8	420.4	416.4	409.7	400.3	388.2	373.6	356.4
-67.5°	280.4	285.2	288.0	289.0	288.0	285.2	280.4	273.7	265.1	254.7	242.4
-70°	177.0	180.1	182.0	182.6	182.0	180.1	177.0	172.7	167.2	160.5	152.5
-72.5°	102.0	103.4	104.2	104.5	104.2	103.4	102.0	100.0	97.5	94.4	90.8
-75°	62.0	62.8	63.3	63.5	63.3	62.8	62.0	60.9	59.4	57.6	55.4
-77.5°	34.4	34.8	35.0	35.1	35.0	34.8	34.4	33.9	33.2	32.4	31.4
-80°	19.3	19.4	19.5	19.5	19.5	19.4	19.3	19.1	18.8	18.6	18.2
-82.5°	12.6	12.6	12.7	12.7	12.7	12.6	12.6	12.5	12.3	12.2	12.0
-85°	7.7	7.8	7.8	7.8	7.8	7.8	7.7	7.7	7.6	7.5	7.4
-87.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.8	3.8	3.8	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



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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°	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8
85°	7.3	7.2	7.1	6.9	6.8	6.6	6.4	6.2	6.0	5.7	5.5
82.5°	11.8	11.6	11.3	11.0	10.7	10.4	10.0	9.6	9.2	8.8	8.4
80°	17.8	17.4	16.9	16.4	15.8	15.2	14.5	13.8	13.1	12.4	11.8
77.5°	30.3	29.1	27.7	26.2	24.5	22.7	20.8	19.2	18.3	17.3	16.2
75°	53.0	50.3	47.2	43.9	40.2	36.3	33.5	31.0	28.5	25.7	22.9
72.5°	86.7	82.0	76.9	71.2	65.1	60.0	55.1	49.9	44.4	38.6	33.7
70°	143.5	133.3	121.9	109.5	100.1	92.5	84.3	75.7	66.6	59.0	52.1
67.5°	228.4	212.6	195.1	177.7	162.4	146.0	128.5	109.9	97.1	86.3	75.0
65°	336.8	314.6	290.1	268.4	245.1	220.1	193.4	169.8	147.9	125.0	102.7
62.5°	468.2	438.1	407.9	378.1	345.9	311.3	277.3	246.0	213.0	179.6	153.1
60°	623.2	584.8	548.0	507.9	464.5	418.7	378.1	335.2	290.1	252.0	212.6
57.5°	798.9	753.5	706.9	656.1	601.2	548.0	493.9	436.8	384.9	333.5	281.7
55°	992.6	941.6	883.8	820.8	755.1	691.1	623.2	555.9	490.8	422.9	364.8
52.5°	1160.0	1110.8	1056.6	997.6	926.0	847.3	764.7	687.3	606.2	530.0	454.0
50°	1238.6	1214.7	1188.5	1150.3	1081.6	1008.3	922.2	827.6	733.7	643.0	553.7
47.5°	1412.3	1345.2	1271.5	1227.4	1194.3	1148.4	1065.1	976.6	870.7	761.9	661.6
45°	1911.9	1678.8	1450.3	1364.3	1272.0	1220.6	1180.8	1103.5	1006.1	892.4	771.3
42.5°	3711.5	2648.8	1990.6	1693.1	1435.4	1330.6	1238.4	1194.0	1122.8	1015.6	892.4
40°	6167.9	5092.3	3845.6	2498.3	1889.9	1530.1	1366.1	1247.4	1198.4	1122.8	1006.1
37.5°	8432.8	7354.8	6094.1	4720.1	3185.4	2009.7	1608.4	1378.0	1247.4	1194.0	1103.5
35°	10512.9	9384.3	8174.4	6775.7	5239.8	3532.8	2049.9	1608.4	1366.1	1238.4	1180.8
32.5°	12626.3	11377.2	10033.3	8649.4	7120.8	5407.9	3532.8	2009.7	1530.1	1330.6	1220.6
30°	14962.1	13438.5	11906.3	10370.0	8809.2	7120.8	5239.8	3185.4	1889.9	1435.4	1272.0
27.5°	17817.9	15623.5	13856.7	12084.5	10370.0	8649.4	6775.7	4720.1	2498.3	1693.1	1364.3
25°	21518.6	18426.9	15916.5	13856.7	11906.3	10033.3	8174.4	6094.1	3845.6	1990.6	1450.3
22.5°	25907.2	22011.1	18426.9	15623.5	13438.5	11377.2	9384.3	7354.8	5092.3	2648.8	1678.8
20°	30150.0	25907.2	21518.6	17817.9	14962.1	12626.3	10512.9	8432.8	6167.9	3711.5	1911.9
17.5°	34107.1	29593.2	24866.7	20061.8	16622.9	13906.6	11566.8	9370.4	7138.2	4668.0	2121.4
15°	37799.9	32945.3	27951.6	22854.9	18297.8	15059.0	12504.1	10202.7	7970.4	5482.8	2817.0
12.5°	41490.4	35912.5	30681.4	25304.8	19945.2	16227.0	13398.2	10950.1	8631.7	6163.8	3485.2
10°	44802.6	38605.1	32987.7	27414.1	21833.5	17351.3	14167.2	11572.5	9181.2	6728.6	4038.4
7.5°	47921.7	40931.4	34836.4	29100.1	23336.3	18243.1	14775.5	12063.6	9614.0	7172.8	4472.9
5°	50239.0	42646.5	36191.6	30330.4	24429.2	18889.9	15215.7	12418.4	9926.2	7492.8	4785.6
2.5°	51668.9	43698.6	37019.4	31079.6	25093.0	19282.0	15482.2	12632.9	10114.7	7685.9	4974.2
0°	52152.6	44053.4	37297.9	31331.2	25315.7	19413.4	15571.4	12704.7	10177.8	7750.5	5037.2
-2.5°	51668.9	43698.6	37019.4	31079.6	25093.0	19282.0	15482.2	12632.9	10114.7	7685.9	4974.2
-5°	50239.0	42646.5	36191.6	30330.4	24429.2	18889.9	15215.7	12418.4	9926.2	7492.8	4785.6
-7.5°	47921.7	40931.4	34836.4	29100.1	23336.3	18243.1	14775.5	12063.6	9614.0	7172.8	4472.9
-10°	44802.6	38605.1	32987.7	27414.1	21833.5	17351.3	14167.2	11572.5	9181.2	6728.6	4038.4
-12.5°	41490.4	35912.5	30681.4	25304.8	19945.2	16227.0	13398.2	10950.1	8631.7	6163.8	3485.2
-15°	37799.9	32945.3	27951.6	22854.9	18297.8	15059.0	12504.1	10202.7	7970.4	5482.8	2817.0
-17.5°	34107.1	29593.2	24866.7	20061.8	16622.9	13906.6	11566.8	9370.4	7138.2	4668.0	2121.4
-20°	30150.0	25907.2	21518.6	17817.9	14962.1	12626.3	10512.9	8432.8	6167.9	3711.5	1911.9



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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°	25907.2	22011.1	18426.9	15623.5	13438.5	11377.2	9384.3	7354.8	5092.3	2648.8	1678.8
-25°	21518.6	18426.9	15916.5	13856.7	11906.3	10033.3	8174.4	6094.1	3845.6	1990.6	1450.3
-27.5°	17817.9	15623.5	13856.7	12084.5	10370.0	8649.4	6775.7	4720.1	2498.3	1693.1	1364.3
-30°	14962.1	13438.5	11906.3	10370.0	8809.2	7120.8	5239.8	3185.4	1889.9	1435.4	1272.0
-32.5°	12626.3	11377.2	10033.3	8649.4	7120.8	5407.9	3532.8	2009.7	1530.1	1330.6	1220.6
-35°	10512.9	9384.3	8174.4	6775.7	5239.8	3532.8	2049.9	1608.4	1366.1	1238.4	1180.8
-37.5°	8432.8	7354.8	6094.1	4720.1	3185.4	2009.7	1608.4	1378.0	1247.4	1194.0	1103.5
-40°	6167.9	5092.3	3845.6	2498.3	1889.9	1530.1	1366.1	1247.4	1198.4	1122.8	1006.1
-42.5°	3711.5	2648.8	1990.6	1693.1	1435.4	1330.6	1238.4	1194.0	1122.8	1015.6	892.4
-45°	1911.9	1678.8	1450.3	1364.3	1272.0	1220.6	1180.8	1103.5	1006.1	892.4	771.3
-47.5°	1412.3	1345.2	1271.5	1227.4	1194.3	1148.4	1065.1	976.6	870.7	761.9	661.6
-50°	1238.6	1214.7	1188.5	1150.3	1081.6	1008.3	922.2	827.6	733.7	643.0	553.7
-52.5°	1160.0	1110.8	1056.6	997.6	926.0	847.3	764.7	687.3	606.2	530.0	454.0
-55°	992.6	941.6	883.8	820.8	755.1	691.1	623.2	555.9	490.8	422.9	364.8
-57.5°	798.9	753.5	706.9	656.1	601.2	548.0	493.9	436.8	384.9	333.5	281.7
-60°	623.2	584.8	548.0	507.9	464.5	418.7	378.1	335.2	290.1	252.0	212.6
-62.5°	468.2	438.1	407.9	378.1	345.9	311.3	277.3	246.0	213.0	179.6	153.1
-65°	336.8	314.6	290.1	268.4	245.1	220.1	193.4	169.8	147.9	125.0	102.7
-67.5°	228.4	212.6	195.1	177.7	162.4	146.0	128.5	109.9	97.1	86.3	75.0
-70°	143.5	133.3	121.9	109.5	100.1	92.5	84.3	75.7	66.6	59.0	52.1
-72.5°	86.7	82.0	76.9	71.2	65.1	60.0	55.1	49.9	44.4	38.6	33.7
-75°	53.0	50.3	47.2	43.9	40.2	36.3	33.5	31.0	28.5	25.7	22.9
-77.5°	30.3	29.1	27.7	26.2	24.5	22.7	20.8	19.2	18.3	17.3	16.2
-80°	17.8	17.4	16.9	16.4	15.8	15.2	14.5	13.8	13.1	12.4	11.8
-82.5°	11.8	11.6	11.3	11.0	10.7	10.4	10.0	9.6	9.2	8.8	8.4
-85°	7.3	7.2	7.1	6.9	6.8	6.6	6.4	6.2	6.0	5.7	5.5
-87.5°	3.7	3.6	3.5	3.5	3.4	3.3	3.2	3.1	3.0	2.9	2.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305915 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-80-5S-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	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.5	1.3	1.2
85°	5.3	5.0	4.7	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.3
82.5°	7.9	7.5	7.1	6.7	6.3	5.8	5.4	4.9	4.5	4.0	3.5
80°	11.2	10.6	9.9	9.2	8.5	7.8	7.2	6.6	5.9	5.3	4.7
77.5°	15.2	14.1	12.9	12.0	11.1	10.2	9.2	8.3	7.4	6.6	5.8
75°	19.9	18.3	17.0	15.5	14.0	12.6	11.5	10.3	9.1	8.0	7.0
72.5°	30.2	26.6	22.9	19.3	17.6	15.8	14.0	12.3	11.0	9.6	8.2
70°	44.9	37.4	32.1	27.7	23.2	19.1	17.0	14.9	12.8	11.2	9.6
67.5°	63.3	54.9	46.1	37.1	31.1	25.9	20.6	17.6	15.2	12.8	11.0
65°	89.6	76.0	62.5	52.5	42.2	33.2	27.3	21.3	17.6	14.9	12.3
62.5°	125.6	100.7	85.2	69.4	56.3	44.7	33.9	27.3	20.6	17.0	14.0
60°	174.6	143.5	111.4	90.8	73.1	57.6	44.7	33.2	25.9	19.1	15.8
57.5°	237.3	191.3	154.2	118.5	92.7	73.1	56.3	42.2	31.1	23.2	17.6
55°	304.9	252.2	201.2	157.8	118.5	90.8	69.4	52.5	37.1	27.7	19.3
52.5°	383.8	317.5	257.2	201.2	154.2	111.4	85.2	62.5	46.1	32.1	22.9
50°	469.7	390.2	317.5	252.2	191.3	143.5	100.7	76.0	54.9	37.4	26.6
47.5°	561.6	469.7	383.8	304.9	237.3	174.6	125.6	89.6	63.3	44.9	30.2
45°	661.6	553.7	454.0	364.8	281.7	212.6	153.1	102.7	75.0	52.1	33.7
42.5°	761.9	643.0	530.0	422.9	333.5	252.0	179.6	125.0	86.3	59.0	38.6
40°	870.7	733.7	606.2	490.8	384.9	290.1	213.0	147.9	97.1	66.6	44.4
37.5°	976.6	827.6	687.3	555.9	436.8	335.2	246.0	169.8	109.9	75.7	49.9
35°	1065.1	922.2	764.7	623.2	493.9	378.1	277.3	193.4	128.5	84.3	55.1
32.5°	1148.4	1008.3	847.3	691.1	548.0	418.7	311.3	220.1	146.0	92.5	60.0
30°	1194.3	1081.6	926.0	755.1	601.2	464.5	345.9	245.1	162.4	100.1	65.1
27.5°	1227.4	1150.3	997.6	820.8	656.1	507.9	378.1	268.4	177.7	109.5	71.2
25°	1271.5	1188.5	1056.6	883.8	706.9	548.0	407.9	290.1	195.1	121.9	76.9
22.5°	1345.2	1214.7	1110.8	941.6	753.5	584.8	438.1	314.6	212.6	133.3	82.0
20°	1412.3	1238.6	1160.0	992.6	798.9	623.2	468.2	336.8	228.4	143.5	86.7
17.5°	1494.0	1276.1	1183.9	1032.9	841.6	657.4	494.9	356.4	242.4	152.5	90.8
15°	1664.0	1324.8	1201.1	1068.2	879.0	687.3	518.3	373.6	254.7	160.5	94.4
12.5°	1809.7	1366.4	1215.9	1098.4	910.9	712.8	538.2	388.2	265.1	167.2	97.5
10°	1930.1	1400.8	1228.0	1123.2	937.1	733.7	554.6	400.3	273.7	172.7	100.0
7.5°	2024.6	1427.7	1237.5	1142.6	957.7	750.1	567.4	409.7	280.4	177.0	102.0
5°	2092.5	1447.0	1244.3	1156.6	972.4	761.9	576.5	416.4	285.2	180.1	103.4
2.5°	2133.4	1458.7	1248.4	1165.0	981.2	768.9	582.1	420.4	288.0	182.0	104.2
0°	2147.1	1462.6	1249.8	1167.8	984.2	771.3	583.9	421.8	289.0	182.6	104.5
-2.5°	2133.4	1458.7	1248.4	1165.0	981.2	768.9	582.1	420.4	288.0	182.0	104.2
-5°	2092.5	1447.0	1244.3	1156.6	972.4	761.9	576.5	416.4	285.2	180.1	103.4
-7.5°	2024.6	1427.7	1237.5	1142.6	957.7	750.1	567.4	409.7	280.4	177.0	102.0
-10°	1930.1	1400.8	1228.0	1123.2	937.1	733.7	554.6	400.3	273.7	172.7	100.0
-12.5°	1809.7	1366.4	1215.9	1098.4	910.9	712.8	538.2	388.2	265.1	167.2	97.5
-15°	1664.0	1324.8	1201.1	1068.2	879.0	687.3	518.3	373.6	254.7	160.5	94.4
-17.5°	1494.0	1276.1	1183.9	1032.9	841.6	657.4	494.9	356.4	242.4	152.5	90.8
-20°	1412.3	1238.6	1160.0	992.6	798.9	623.2	468.2	336.8	228.4	143.5	86.7



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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°	1345.2	1214.7	1110.8	941.6	753.5	584.8	438.1	314.6	212.6	133.3	82.0
-25°	1271.5	1188.5	1056.6	883.8	706.9	548.0	407.9	290.1	195.1	121.9	76.9
-27.5°	1227.4	1150.3	997.6	820.8	656.1	507.9	378.1	268.4	177.7	109.5	71.2
-30°	1194.3	1081.6	926.0	755.1	601.2	464.5	345.9	245.1	162.4	100.1	65.1
-32.5°	1148.4	1008.3	847.3	691.1	548.0	418.7	311.3	220.1	146.0	92.5	60.0
-35°	1065.1	922.2	764.7	623.2	493.9	378.1	277.3	193.4	128.5	84.3	55.1
-37.5°	976.6	827.6	687.3	555.9	436.8	335.2	246.0	169.8	109.9	75.7	49.9
-40°	870.7	733.7	606.2	490.8	384.9	290.1	213.0	147.9	97.1	66.6	44.4
-42.5°	761.9	643.0	530.0	422.9	333.5	252.0	179.6	125.0	86.3	59.0	38.6
-45°	661.6	553.7	454.0	364.8	281.7	212.6	153.1	102.7	75.0	52.1	33.7
-47.5°	561.6	469.7	383.8	304.9	237.3	174.6	125.6	89.6	63.3	44.9	30.2
-50°	469.7	390.2	317.5	252.2	191.3	143.5	100.7	76.0	54.9	37.4	26.6
-52.5°	383.8	317.5	257.2	201.2	154.2	111.4	85.2	62.5	46.1	32.1	22.9
-55°	304.9	252.2	201.2	157.8	118.5	90.8	69.4	52.5	37.1	27.7	19.3
-57.5°	237.3	191.3	154.2	118.5	92.7	73.1	56.3	42.2	31.1	23.2	17.6
-60°	174.6	143.5	111.4	90.8	73.1	57.6	44.7	33.2	25.9	19.1	15.8
-62.5°	125.6	100.7	85.2	69.4	56.3	44.7	33.9	27.3	20.6	17.0	14.0
-65°	89.6	76.0	62.5	52.5	42.2	33.2	27.3	21.3	17.6	14.9	12.3
-67.5°	63.3	54.9	46.1	37.1	31.1	25.9	20.6	17.6	15.2	12.8	11.0
-70°	44.9	37.4	32.1	27.7	23.2	19.1	17.0	14.9	12.8	11.2	9.6
-72.5°	30.2	26.6	22.9	19.3	17.6	15.8	14.0	12.3	11.0	9.6	8.2
-75°	19.9	18.3	17.0	15.5	14.0	12.6	11.5	10.3	9.1	8.0	7.0
-77.5°	15.2	14.1	12.9	12.0	11.1	10.2	9.2	8.3	7.4	6.6	5.8
-80°	11.2	10.6	9.9	9.2	8.5	7.8	7.2	6.6	5.9	5.3	4.7
-82.5°	7.9	7.5	7.1	6.7	6.3	5.8	5.4	4.9	4.5	4.0	3.5
-85°	5.3	5.0	4.7	4.5	4.2	3.9	3.6	3.3	3.0	2.7	2.3
-87.5°	2.6	2.5	2.4	2.2	2.1	1.9	1.8	1.6	1.5	1.3	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°	1.0	0.8	0.7	0.5	0.3	0.2	0.0
85°	2.0	1.7	1.4	1.0	0.7	0.3	0.0
82.5°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
80°	4.0	3.4	2.7	2.0	1.4	0.7	0.0
77.5°	5.0	4.2	3.4	2.5	1.7	0.8	0.0
75°	6.0	5.0	4.0	3.0	2.0	1.0	0.0
72.5°	7.0	5.8	4.7	3.5	2.3	1.2	0.0
70°	8.0	6.6	5.3	4.0	2.7	1.3	0.0
67.5°	9.1	7.4	5.9	4.5	3.0	1.5	0.0
65°	10.3	8.3	6.6	4.9	3.3	1.6	0.0
62.5°	11.5	9.2	7.2	5.4	3.6	1.8	0.0
60°	12.6	10.2	7.8	5.8	3.9	1.9	0.0
57.5°	14.0	11.1	8.5	6.3	4.2	2.1	0.0
55°	15.5	12.0	9.2	6.7	4.5	2.2	0.0
52.5°	17.0	12.9	9.9	7.1	4.7	2.4	0.0
50°	18.3	14.1	10.6	7.5	5.0	2.5	0.0
47.5°	19.9	15.2	11.2	7.9	5.3	2.6	0.0
45°	22.9	16.2	11.8	8.4	5.5	2.8	0.0
42.5°	25.7	17.3	12.4	8.8	5.7	2.9	0.0
40°	28.5	18.3	13.1	9.2	6.0	3.0	0.0
37.5°	31.0	19.2	13.8	9.6	6.2	3.1	0.0
35°	33.5	20.8	14.5	10.0	6.4	3.2	0.0
32.5°	36.3	22.7	15.2	10.4	6.6	3.3	0.0
30°	40.2	24.5	15.8	10.7	6.8	3.4	0.0
27.5°	43.9	26.2	16.4	11.0	6.9	3.5	0.0
25°	47.2	27.7	16.9	11.3	7.1	3.5	0.0
22.5°	50.3	29.1	17.4	11.6	7.2	3.6	0.0
20°	53.0	30.3	17.8	11.8	7.3	3.7	0.0
17.5°	55.4	31.4	18.2	12.0	7.4	3.7	0.0
15°	57.6	32.4	18.6	12.2	7.5	3.8	0.0
12.5°	59.4	33.2	18.8	12.3	7.6	3.8	0.0
10°	60.9	33.9	19.1	12.5	7.7	3.8	0.0
7.5°	62.0	34.4	19.3	12.6	7.7	3.9	0.0
5°	62.8	34.8	19.4	12.6	7.8	3.9	0.0
2.5°	63.3	35.0	19.5	12.7	7.8	3.9	0.0
0°	63.5	35.1	19.5	12.7	7.8	3.9	0.0
-2.5°	63.3	35.0	19.5	12.7	7.8	3.9	0.0
-5°	62.8	34.8	19.4	12.6	7.8	3.9	0.0
-7.5°	62.0	34.4	19.3	12.6	7.7	3.9	0.0
-10°	60.9	33.9	19.1	12.5	7.7	3.8	0.0
-12.5°	59.4	33.2	18.8	12.3	7.6	3.8	0.0
-15°	57.6	32.4	18.6	12.2	7.5	3.8	0.0
-17.5°	55.4	31.4	18.2	12.0	7.4	3.7	0.0
-20°	53.0	30.3	17.8	11.8	7.3	3.7	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	50.3	29.1	17.4	11.6	7.2	3.6	0.0
-25°	47.2	27.7	16.9	11.3	7.1	3.5	0.0
-27.5°	43.9	26.2	16.4	11.0	6.9	3.5	0.0
-30°	40.2	24.5	15.8	10.7	6.8	3.4	0.0
-32.5°	36.3	22.7	15.2	10.4	6.6	3.3	0.0
-35°	33.5	20.8	14.5	10.0	6.4	3.2	0.0
-37.5°	31.0	19.2	13.8	9.6	6.2	3.1	0.0
-40°	28.5	18.3	13.1	9.2	6.0	3.0	0.0
-42.5°	25.7	17.3	12.4	8.8	5.7	2.9	0.0
-45°	22.9	16.2	11.8	8.4	5.5	2.8	0.0
-47.5°	19.9	15.2	11.2	7.9	5.3	2.6	0.0
-50°	18.3	14.1	10.6	7.5	5.0	2.5	0.0
-52.5°	17.0	12.9	9.9	7.1	4.7	2.4	0.0
-55°	15.5	12.0	9.2	6.7	4.5	2.2	0.0
-57.5°	14.0	11.1	8.5	6.3	4.2	2.1	0.0
-60°	12.6	10.2	7.8	5.8	3.9	1.9	0.0
-62.5°	11.5	9.2	7.2	5.4	3.6	1.8	0.0
-65°	10.3	8.3	6.6	4.9	3.3	1.6	0.0
-67.5°	9.1	7.4	5.9	4.5	3.0	1.5	0.0
-70°	8.0	6.6	5.3	4.0	2.7	1.3	0.0
-72.5°	7.0	5.8	4.7	3.5	2.3	1.2	0.0
-75°	6.0	5.0	4.0	3.0	2.0	1.0	0.0
-77.5°	5.0	4.2	3.4	2.5	1.7	0.8	0.0
-80°	4.0	3.4	2.7	2.0	1.4	0.7	0.0
-82.5°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
-85°	2.0	1.7	1.4	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)