

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: P1305914 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-57-80-4S-HEG-A**

Issue Date: 2/3/2026

Test Information

Test Method: LM-79-08
Report Number: P1305914 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-4)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-320N-57-80-4S-HEG-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 4S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

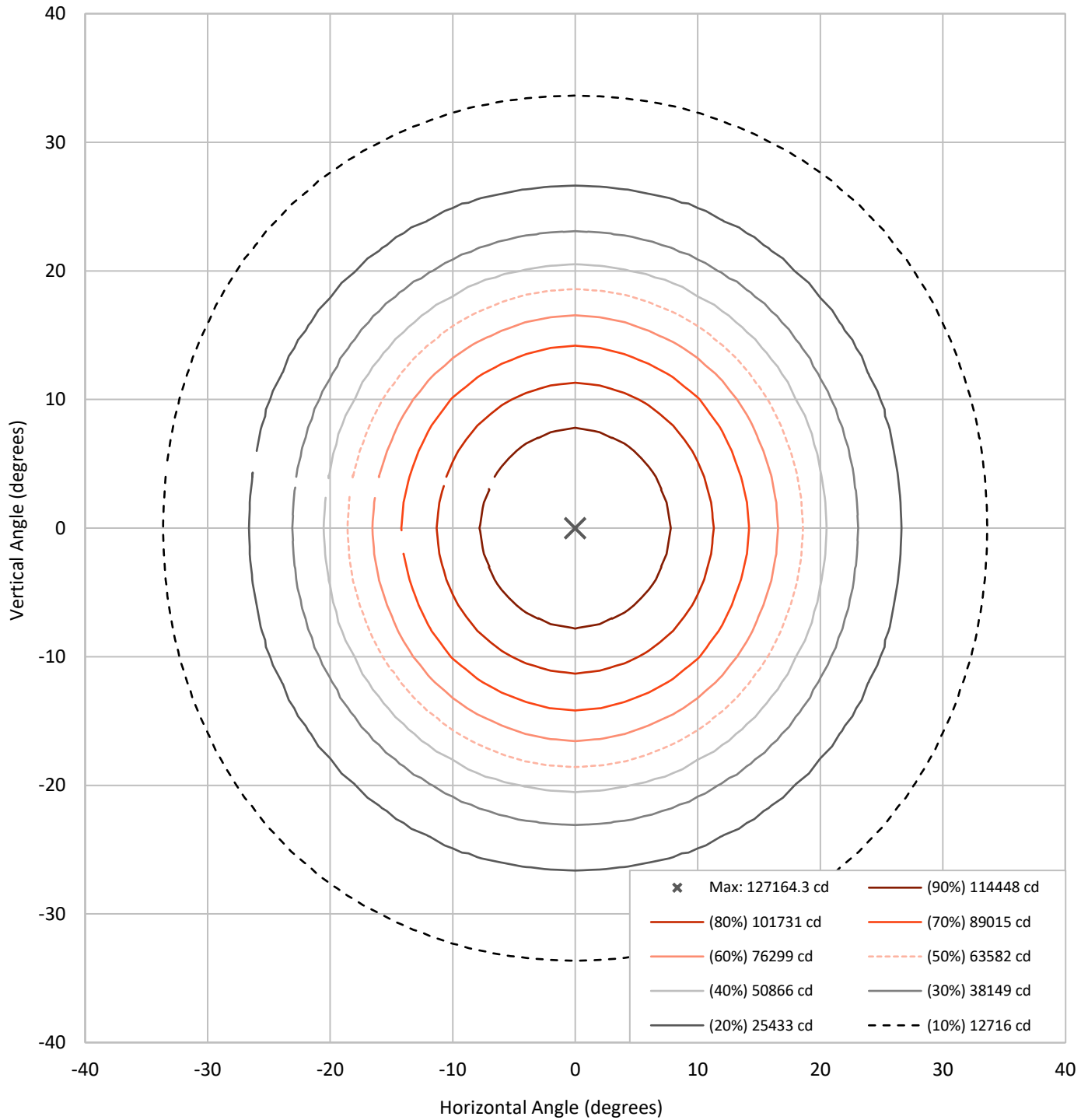
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	58725.6 lumens	Max Intensity:	127164.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	175.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	37.2°H x 37.2°V	Field Angle (10%):	67.2°H x 67.2°V
Beam Lumens:	30572.1 lumens	Field Lumens:	51355.9 lumens
Beam Efficiency:	52.1%	Field Efficiency:	87.5%

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





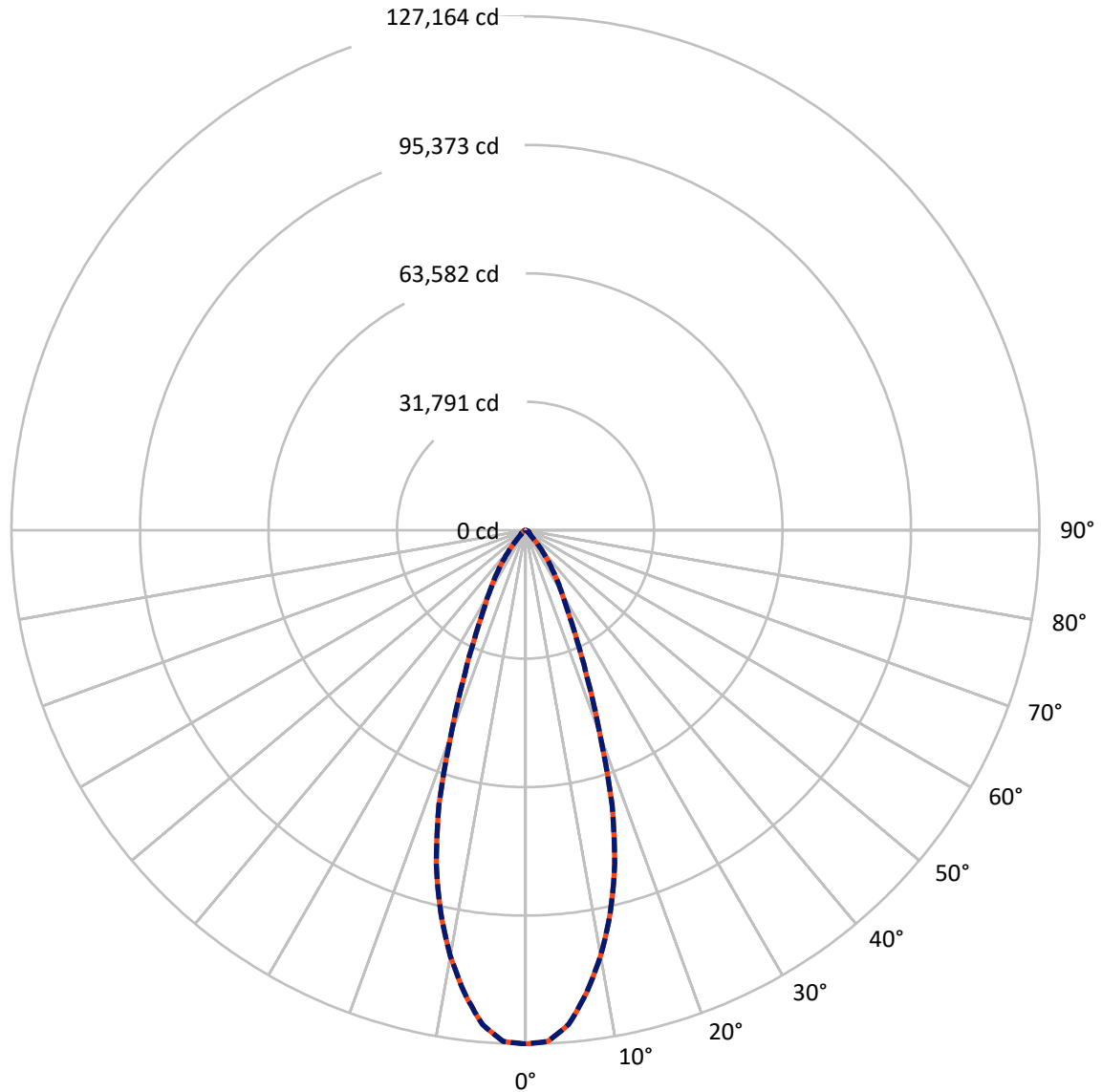
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Lumen Table

90	0.1	0.4		1.7		4.2		5.4		4.2		1.7		0.4		0.1
80	0.1	0.4		1.7		4.2		5.4		4.2		1.7		0.4		0.1
70	0.2	0.3	1.1	2.9	6.1	9.9	13.3	15.1	15.1	13.3	9.9	6.1	2.9	1.1	0.3	0.2
60		0.8	3.5	9.4	17.3	24.4	29.6	32.4	32.4	29.6	24.4	17.3	9.4	3.5	0.8	
50	0.6	1.8	7.7	17.6	27.4	38.0	54.6	72.0	72.0	54.6	38.0	27.4	17.6	7.7	1.8	0.6
40		3.3	12.3	23.7	41.1	110.5	233.8	324.2	324.2	233.8	110.5	41.1	23.7	12.3	3.3	
30	1.2	4.8	15.6	29.8	100.6	314.3	614.6	913.9	913.9	614.6	314.3	100.6	29.8	15.6	4.8	1.2
20		6.0	17.7	40.4	200.2	578.7	1433.1	2352.6	2352.6	1433.1	578.7	200.2	40.4	17.7	6.0	
10	1.5	6.7	18.8	52.1	269.4	836.8	2286.1	3443.6	3443.6	2286.1	836.8	269.4	52.1	18.8	6.7	1.5
0		6.7	18.8	52.1	269.4	836.8	2286.1	3443.6	3443.6	2286.1	836.8	269.4	52.1	18.8	6.7	
-10	1.2	6.0	17.7	40.4	200.2	578.7	1433.1	2352.6	2352.6	1433.1	578.7	200.2	40.4	17.7	6.0	1.2
-20		4.8	15.6	29.8	100.6	314.3	614.6	913.9	913.9	614.6	314.3	100.6	29.8	15.6	4.8	
-30	0.6	3.3	12.3	23.7	41.1	110.5	233.8	324.2	324.2	233.8	110.5	41.1	23.7	12.3	3.3	0.6
-40		1.8	7.7	17.6	27.4	38.0	54.6	72.0	72.0	54.6	38.0	27.4	17.6	7.7	1.8	
-50	0.2	0.8	3.5	9.4	17.3	24.4	29.6	32.4	32.4	29.6	24.4	17.3	9.4	3.5	0.8	0.2
-60		0.3	1.1	2.9	6.1	9.9	13.3	15.1	15.1	13.3	9.9	6.1	2.9	1.1	0.3	
-70	0.1	0.4		1.7		4.2		5.4		4.2		1.7		0.4		0.1
-80		0.4		1.7		4.2		5.4		4.2		1.7		0.4		
-90	0.1	0.4		1.7		4.2		5.4		4.2		1.7		0.4		0.1

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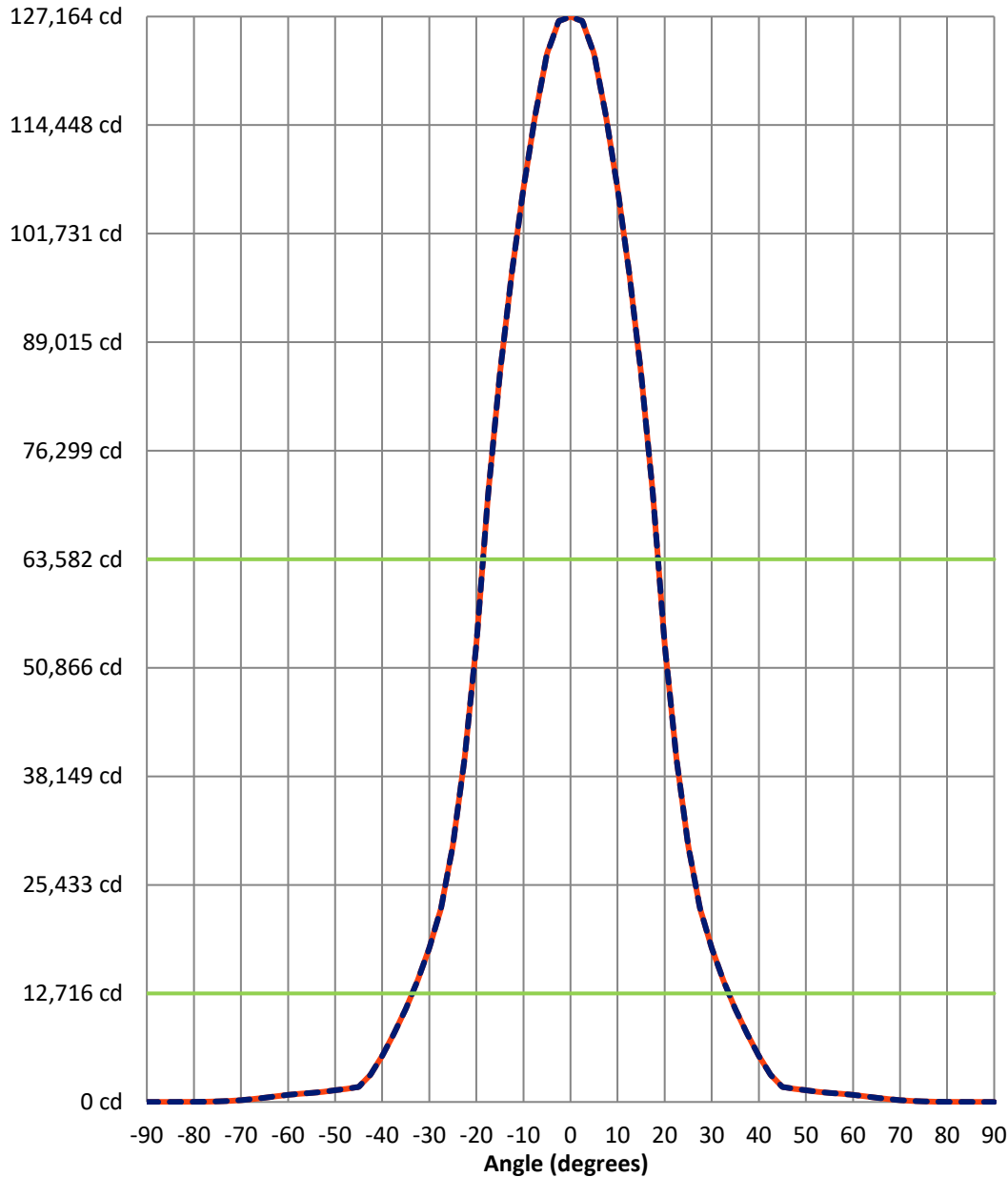
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 37.2°
 V Angle: 37.2°
 Lumens: 30572.1
 Efficiency: 52.1%

Field:
 H Angle: 67.2°
 V Angle: 67.2°
 Lumens: 51355.9
 Efficiency: 87.5%

Spill:
 Lumens: 7369.7
 Efficiency: 12.5%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.2
85°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.7	2.0	2.2	2.4
82.5°	0.0	0.4	0.8	1.1	1.5	1.9	2.2	2.6	3.0	3.3	3.7
80°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
77.5°	0.0	0.6	1.3	1.9	2.5	3.1	3.8	4.4	5.0	5.6	6.4
75°	0.0	0.8	1.5	2.2	3.0	3.8	4.5	5.3	6.1	7.2	8.4
72.5°	0.0	0.9	1.7	2.6	3.5	4.4	5.3	6.3	7.7	9.1	10.4
70°	0.0	1.0	2.0	3.0	4.0	5.0	6.1	7.7	9.3	10.8	12.4
67.5°	0.0	1.1	2.2	3.3	4.5	5.6	7.2	9.1	10.8	12.6	14.3
65°	0.0	1.2	2.4	3.7	5.0	6.4	8.4	10.4	12.4	14.3	17.4
62.5°	0.0	1.3	2.7	4.0	5.4	7.3	9.6	11.7	13.8	16.7	23.5
60°	0.0	1.4	2.9	4.4	5.9	8.3	10.7	13.0	15.3	22.1	29.4
57.5°	0.0	1.6	3.1	4.7	6.6	9.2	11.7	14.3	19.3	27.3	40.8
55°	0.0	1.7	3.3	5.1	7.3	10.1	12.8	15.5	23.8	34.0	54.6
52.5°	0.0	1.8	3.5	5.4	8.0	10.9	13.8	19.0	28.3	46.1	68.0
50°	0.0	1.9	3.8	5.7	8.7	11.8	14.8	22.8	34.3	57.8	85.5
47.5°	0.0	2.0	4.0	6.0	9.3	12.5	16.0	26.4	44.4	69.1	103.0
45°	0.0	2.1	4.1	6.5	9.9	13.3	19.0	29.9	54.1	84.2	119.8
42.5°	0.0	2.1	4.3	6.9	10.5	14.0	21.9	36.0	63.4	98.7	145.7
40°	0.0	2.2	4.5	7.3	11.1	14.7	24.6	43.8	73.4	112.6	172.2
37.5°	0.0	2.3	4.7	7.7	11.6	15.4	27.2	51.1	85.1	128.5	197.4
35°	0.0	2.4	4.8	8.1	12.1	16.9	29.7	58.1	96.2	149.8	225.2
32.5°	0.0	2.4	5.0	8.5	12.6	18.9	33.0	64.7	106.7	170.0	257.6
30°	0.0	2.5	5.1	8.8	13.0	20.6	38.2	71.4	116.5	188.9	288.0
27.5°	0.0	2.6	5.2	9.1	13.4	22.3	43.1	79.3	128.0	206.5	316.2
25°	0.0	2.6	5.3	9.4	13.8	23.8	47.5	86.6	142.3	227.3	342.5
22.5°	0.0	2.7	5.4	9.7	14.1	25.2	51.6	93.3	155.3	248.5	371.2
20°	0.0	2.7	5.5	9.9	14.4	26.5	55.3	99.3	167.1	267.7	397.1
17.5°	0.0	2.8	5.6	10.1	14.7	27.6	58.6	104.6	177.5	284.7	420.1
15°	0.0	2.8	5.7	10.3	14.9	28.6	61.4	109.2	186.6	299.6	440.2
12.5°	0.0	2.8	5.8	10.4	15.1	29.4	63.9	113.2	194.4	312.2	457.3
10°	0.0	2.9	5.8	10.6	15.3	30.1	65.8	116.4	200.7	322.6	471.4
7.5°	0.0	2.9	5.8	10.7	15.4	30.6	67.4	118.9	205.7	330.7	482.4
5°	0.0	2.9	5.9	10.7	15.5	31.0	68.5	120.7	209.2	336.5	490.3
2.5°	0.0	2.9	5.9	10.8	15.6	31.2	69.2	121.8	211.4	340.0	495.0
0°	0.0	2.9	5.9	10.8	15.6	31.3	69.4	122.2	212.1	341.2	496.6
-2.5°	0.0	2.9	5.9	10.8	15.6	31.2	69.2	121.8	211.4	340.0	495.0
-5°	0.0	2.9	5.9	10.7	15.5	31.0	68.5	120.7	209.2	336.5	490.3
-7.5°	0.0	2.9	5.8	10.7	15.4	30.6	67.4	118.9	205.7	330.7	482.4
-10°	0.0	2.9	5.8	10.6	15.3	30.1	65.8	116.4	200.7	322.6	471.4
-12.5°	0.0	2.8	5.8	10.4	15.1	29.4	63.9	113.2	194.4	312.2	457.3
-15°	0.0	2.8	5.7	10.3	14.9	28.6	61.4	109.2	186.6	299.6	440.2
-17.5°	0.0	2.8	5.6	10.1	14.7	27.6	58.6	104.6	177.5	284.7	420.1
-20°	0.0	2.7	5.5	9.9	14.4	26.5	55.3	99.3	167.1	267.7	397.1



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 CATALOG NUMBER: EPH-08-320N-57-80-4S-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	2.7	5.4	9.7	14.1	25.2	51.6	93.3	155.3	248.5	371.2
-25°	0.0	2.6	5.3	9.4	13.8	23.8	47.5	86.6	142.3	227.3	342.5
-27.5°	0.0	2.6	5.2	9.1	13.4	22.3	43.1	79.3	128.0	206.5	316.2
-30°	0.0	2.5	5.1	8.8	13.0	20.6	38.2	71.4	116.5	188.9	288.0
-32.5°	0.0	2.4	5.0	8.5	12.6	18.9	33.0	64.7	106.7	170.0	257.6
-35°	0.0	2.4	4.8	8.1	12.1	16.9	29.7	58.1	96.2	149.8	225.2
-37.5°	0.0	2.3	4.7	7.7	11.6	15.4	27.2	51.1	85.1	128.5	197.4
-40°	0.0	2.2	4.5	7.3	11.1	14.7	24.6	43.8	73.4	112.6	172.2
-42.5°	0.0	2.1	4.3	6.9	10.5	14.0	21.9	36.0	63.4	98.7	145.7
-45°	0.0	2.1	4.1	6.5	9.9	13.3	19.0	29.9	54.1	84.2	119.8
-47.5°	0.0	2.0	4.0	6.0	9.3	12.5	16.0	26.4	44.4	69.1	103.0
-50°	0.0	1.9	3.8	5.7	8.7	11.8	14.8	22.8	34.3	57.8	85.5
-52.5°	0.0	1.8	3.5	5.4	8.0	10.9	13.8	19.0	28.3	46.1	68.0
-55°	0.0	1.7	3.3	5.1	7.3	10.1	12.8	15.5	23.8	34.0	54.6
-57.5°	0.0	1.6	3.1	4.7	6.6	9.2	11.7	14.3	19.3	27.3	40.8
-60°	0.0	1.4	2.9	4.4	5.9	8.3	10.7	13.0	15.3	22.1	29.4
-62.5°	0.0	1.3	2.7	4.0	5.4	7.3	9.6	11.7	13.8	16.7	23.5
-65°	0.0	1.2	2.4	3.7	5.0	6.4	8.4	10.4	12.4	14.3	17.4
-67.5°	0.0	1.1	2.2	3.3	4.5	5.6	7.2	9.1	10.8	12.6	14.3
-70°	0.0	1.0	2.0	3.0	4.0	5.0	6.1	7.7	9.3	10.8	12.4
-72.5°	0.0	0.9	1.7	2.6	3.5	4.4	5.3	6.3	7.7	9.1	10.4
-75°	0.0	0.8	1.5	2.2	3.0	3.8	4.5	5.3	6.1	7.2	8.4
-77.5°	0.0	0.6	1.3	1.9	2.5	3.1	3.8	4.4	5.0	5.6	6.4
-80°	0.0	0.5	1.0	1.5	2.0	2.5	3.0	3.5	4.0	4.5	5.0
-82.5°	0.0	0.4	0.8	1.1	1.5	1.9	2.2	2.6	3.0	3.3	3.7
-85°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.7	2.0	2.2	2.4
-87.5°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	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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 CATALOG NUMBER: EPH-08-320N-57-80-4S-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°	1.3	1.4	1.6	1.7	1.8	1.9	2.0	2.1	2.1	2.2	2.3
85°	2.7	2.9	3.1	3.3	3.5	3.8	4.0	4.1	4.3	4.5	4.7
82.5°	4.0	4.4	4.7	5.1	5.4	5.7	6.0	6.5	6.9	7.3	7.7
80°	5.4	5.9	6.6	7.3	8.0	8.7	9.3	9.9	10.5	11.1	11.6
77.5°	7.3	8.3	9.2	10.1	10.9	11.8	12.5	13.3	14.0	14.7	15.4
75°	9.6	10.7	11.7	12.8	13.8	14.8	16.0	19.0	21.9	24.6	27.2
72.5°	11.7	13.0	14.3	15.5	19.0	22.8	26.4	29.9	36.0	43.8	51.1
70°	13.8	15.3	19.3	23.8	28.3	34.3	44.4	54.1	63.4	73.4	85.1
67.5°	16.7	22.1	27.3	34.0	46.1	57.8	69.1	84.2	98.7	112.6	128.5
65°	23.5	29.4	40.8	54.6	68.0	85.5	103.0	119.8	145.7	172.2	197.4
62.5°	30.1	44.2	59.7	77.0	97.4	117.3	146.5	178.2	208.6	249.0	289.0
60°	44.2	61.4	81.7	104.6	130.1	167.1	202.8	248.5	296.4	342.5	395.3
57.5°	59.7	81.7	107.0	138.4	179.5	222.7	278.4	332.4	393.2	453.4	512.6
55°	77.0	104.6	138.4	183.6	234.6	296.5	359.8	429.9	497.8	570.3	639.7
52.5°	97.4	130.1	179.5	234.6	302.6	374.5	452.1	531.0	612.1	689.3	761.3
50°	117.3	167.1	222.7	296.5	374.5	459.6	547.7	637.4	722.0	802.5	869.4
47.5°	146.5	202.8	278.4	359.8	452.1	547.7	645.8	738.5	827.4	895.1	958.4
45°	178.2	248.5	332.4	429.9	531.0	637.4	738.5	835.8	908.1	974.7	1027.1
42.5°	208.6	296.4	393.2	497.8	612.1	722.0	827.4	908.1	979.8	1037.5	1103.5
40°	249.0	342.5	453.4	570.3	689.3	802.5	895.1	974.7	1037.5	1110.5	1188.9
37.5°	289.0	395.3	512.6	639.7	761.3	869.4	958.4	1027.1	1103.5	1188.9	1304.0
35°	327.0	445.5	573.6	704.5	829.9	925.9	1006.4	1082.5	1174.5	1293.7	1412.6
32.5°	367.3	493.0	631.3	764.7	881.2	975.9	1051.2	1146.1	1262.8	1393.7	1509.4
30°	407.8	542.2	684.9	821.4	928.2	1015.3	1104.1	1212.0	1353.8	1480.5	1624.1
27.5°	445.5	588.5	733.6	865.4	970.1	1052.3	1156.9	1292.0	1433.0	1570.2	1744.5
25°	480.4	631.3	778.7	903.0	1001.8	1094.8	1211.6	1366.7	1504.8	1675.9	2322.7
22.5°	514.0	670.4	820.0	937.5	1031.0	1136.7	1275.5	1429.6	1582.0	1798.2	2982.7
20°	546.1	704.5	852.3	967.4	1057.5	1174.8	1333.7	1485.8	1665.4	2361.3	3812.9
17.5°	574.7	734.8	877.8	989.1	1087.5	1215.6	1385.0	1536.4	1740.4	2869.3	4668.8
15°	599.6	761.3	900.1	1008.1	1115.0	1257.8	1426.0	1595.2	2002.7	3390.7	5431.7
12.5°	620.8	783.9	919.1	1024.3	1138.5	1293.9	1461.2	1647.6	2359.2	3994.4	6205.2
10°	638.3	802.5	934.8	1037.7	1157.9	1323.7	1490.2	1691.0	2654.9	4496.1	6849.3
7.5°	652.0	817.0	947.1	1048.2	1173.0	1347.1	1513.0	1725.1	2887.5	4891.3	7357.7
5°	661.7	827.4	955.8	1055.7	1183.9	1363.9	1529.4	1749.7	3055.0	5176.3	7724.8
2.5°	667.6	833.7	961.1	1060.2	1190.5	1374.0	1539.3	1764.5	3156.1	5348.4	7946.8
0°	669.6	835.8	962.9	1061.7	1192.7	1377.4	1542.6	1769.4	3189.9	5406.0	8021.1
-2.5°	667.6	833.7	961.1	1060.2	1190.5	1374.0	1539.3	1764.5	3156.1	5348.4	7946.8
-5°	661.7	827.4	955.8	1055.7	1183.9	1363.9	1529.4	1749.7	3055.0	5176.3	7724.8
-7.5°	652.0	817.0	947.1	1048.2	1173.0	1347.1	1513.0	1725.1	2887.5	4891.3	7357.7
-10°	638.3	802.5	934.8	1037.7	1157.9	1323.7	1490.2	1691.0	2654.9	4496.1	6849.3
-12.5°	620.8	783.9	919.1	1024.3	1138.5	1293.9	1461.2	1647.6	2359.2	3994.4	6205.2
-15°	599.6	761.3	900.1	1008.1	1115.0	1257.8	1426.0	1595.2	2002.7	3390.7	5431.7
-17.5°	574.7	734.8	877.8	989.1	1087.5	1215.6	1385.0	1536.4	1740.4	2869.3	4668.8
-20°	546.1	704.5	852.3	967.4	1057.5	1174.8	1333.7	1485.8	1665.4	2361.3	3812.9



REPORT NUMBER: P1305914 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-80-4S-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	514.0	670.4	820.0	937.5	1031.0	1136.7	1275.5	1429.6	1582.0	1798.2	2982.7
-25°	480.4	631.3	778.7	903.0	1001.8	1094.8	1211.6	1366.7	1504.8	1675.9	2322.7
-27.5°	445.5	588.5	733.6	865.4	970.1	1052.3	1156.9	1292.0	1433.0	1570.2	1744.5
-30°	407.8	542.2	684.9	821.4	928.2	1015.3	1104.1	1212.0	1353.8	1480.5	1624.1
-32.5°	367.3	493.0	631.3	764.7	881.2	975.9	1051.2	1146.1	1262.8	1393.7	1509.4
-35°	327.0	445.5	573.6	704.5	829.9	925.9	1006.4	1082.5	1174.5	1293.7	1412.6
-37.5°	289.0	395.3	512.6	639.7	761.3	869.4	958.4	1027.1	1103.5	1188.9	1304.0
-40°	249.0	342.5	453.4	570.3	689.3	802.5	895.1	974.7	1037.5	1110.5	1188.9
-42.5°	208.6	296.4	393.2	497.8	612.1	722.0	827.4	908.1	979.8	1037.5	1103.5
-45°	178.2	248.5	332.4	429.9	531.0	637.4	738.5	835.8	908.1	974.7	1027.1
-47.5°	146.5	202.8	278.4	359.8	452.1	547.7	645.8	738.5	827.4	895.1	958.4
-50°	117.3	167.1	222.7	296.5	374.5	459.6	547.7	637.4	722.0	802.5	869.4
-52.5°	97.4	130.1	179.5	234.6	302.6	374.5	452.1	531.0	612.1	689.3	761.3
-55°	77.0	104.6	138.4	183.6	234.6	296.5	359.8	429.9	497.8	570.3	639.7
-57.5°	59.7	81.7	107.0	138.4	179.5	222.7	278.4	332.4	393.2	453.4	512.6
-60°	44.2	61.4	81.7	104.6	130.1	167.1	202.8	248.5	296.4	342.5	395.3
-62.5°	30.1	44.2	59.7	77.0	97.4	117.3	146.5	178.2	208.6	249.0	289.0
-65°	23.5	29.4	40.8	54.6	68.0	85.5	103.0	119.8	145.7	172.2	197.4
-67.5°	16.7	22.1	27.3	34.0	46.1	57.8	69.1	84.2	98.7	112.6	128.5
-70°	13.8	15.3	19.3	23.8	28.3	34.3	44.4	54.1	63.4	73.4	85.1
-72.5°	11.7	13.0	14.3	15.5	19.0	22.8	26.4	29.9	36.0	43.8	51.1
-75°	9.6	10.7	11.7	12.8	13.8	14.8	16.0	19.0	21.9	24.6	27.2
-77.5°	7.3	8.3	9.2	10.1	10.9	11.8	12.5	13.3	14.0	14.7	15.4
-80°	5.4	5.9	6.6	7.3	8.0	8.7	9.3	9.9	10.5	11.1	11.6
-82.5°	4.0	4.4	4.7	5.1	5.4	5.7	6.0	6.5	6.9	7.3	7.7
-85°	2.7	2.9	3.1	3.3	3.5	3.8	4.0	4.1	4.3	4.5	4.7
-87.5°	1.3	1.4	1.6	1.7	1.8	1.9	2.0	2.1	2.1	2.2	2.3
-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: P1305914 (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°	2.4	2.4	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.8	2.9
85°	4.8	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.8
82.5°	8.1	8.5	8.8	9.1	9.4	9.7	9.9	10.1	10.3	10.4	10.6
80°	12.1	12.6	13.0	13.4	13.8	14.1	14.4	14.7	14.9	15.1	15.3
77.5°	16.9	18.9	20.6	22.3	23.8	25.2	26.5	27.6	28.6	29.4	30.1
75°	29.7	33.0	38.2	43.1	47.5	51.6	55.3	58.6	61.4	63.9	65.8
72.5°	58.1	64.7	71.4	79.3	86.6	93.3	99.3	104.6	109.2	113.2	116.4
70°	96.2	106.7	116.5	128.0	142.3	155.3	167.1	177.5	186.6	194.4	200.7
67.5°	149.8	170.0	188.9	206.5	227.3	248.5	267.7	284.7	299.6	312.2	322.6
65°	225.2	257.6	288.0	316.2	342.5	371.2	397.1	420.1	440.2	457.3	471.4
62.5°	327.0	367.3	407.8	445.5	480.4	514.0	546.1	574.7	599.6	620.8	638.3
60°	445.5	493.0	542.2	588.5	631.3	670.4	704.5	734.8	761.3	783.9	802.5
57.5°	573.6	631.3	684.9	733.6	778.7	820.0	852.3	877.8	900.1	919.1	934.8
55°	704.5	764.7	821.4	865.4	903.0	937.5	967.4	989.1	1008.1	1024.3	1037.7
52.5°	829.9	881.2	928.2	970.1	1001.8	1031.0	1057.5	1087.5	1115.0	1138.5	1157.9
50°	925.9	975.9	1015.3	1052.3	1094.8	1136.7	1174.8	1215.6	1257.8	1293.9	1323.7
47.5°	1006.4	1051.2	1104.1	1156.9	1211.6	1275.5	1333.7	1385.0	1426.0	1461.2	1490.2
45°	1082.5	1146.1	1212.0	1292.0	1366.7	1429.6	1485.8	1536.4	1595.2	1647.6	1691.0
42.5°	1174.5	1262.8	1353.8	1433.0	1504.8	1582.0	1665.4	1740.4	2002.7	2359.2	2654.9
40°	1293.7	1393.7	1480.5	1570.2	1675.9	1798.2	2361.3	2869.3	3390.7	3994.4	4496.1
37.5°	1412.6	1509.4	1624.1	1744.5	2322.7	2982.7	3812.9	4668.8	5431.7	6205.2	6849.3
35°	1519.1	1651.3	1875.5	2679.6	3576.9	4681.5	5752.8	6843.4	7813.5	8717.8	9490.4
32.5°	1651.3	1963.5	2860.2	4010.6	5274.1	6647.3	7940.0	9228.6	10386.3	11463.9	12429.1
30°	1875.5	2860.2	4156.5	5604.9	7194.8	8758.3	10289.0	11803.8	13241.6	14545.0	15772.3
27.5°	2679.6	4010.6	5604.9	7379.2	9178.4	10945.8	12829.7	14620.8	16436.1	18028.4	19667.2
25°	3576.9	5274.1	7194.8	9178.4	11197.4	13352.5	15567.6	17743.7	20085.2	22207.9	24751.1
22.5°	4681.5	6647.3	8758.3	10945.8	13352.5	15887.7	18495.5	21361.7	24699.0	28349.5	32030.9
20°	5752.8	7940.0	10289.0	12829.7	15567.6	18495.5	21794.7	26128.3	30813.1	36394.4	41510.1
17.5°	6843.4	9228.6	11803.8	14620.8	17743.7	21361.7	26128.3	31879.9	38656.6	46212.2	53253.9
15°	7813.5	10386.3	13241.6	16436.1	20085.2	24699.0	30813.1	38656.6	47825.0	57638.7	67927.9
12.5°	8717.8	11463.9	14545.0	18028.4	22207.9	28349.5	36394.4	46212.2	57638.7	70427.0	79889.4
10°	9490.4	12429.1	15772.3	19667.2	24751.1	32030.9	41510.1	53253.9	67927.9	79889.4	89638.5
7.5°	10101.6	13194.7	16749.0	20978.3	27025.6	35549.1	46670.5	60720.9	75515.9	87501.4	97086.7
5°	10543.8	13750.0	17459.3	21935.0	28692.8	38142.8	50504.4	66423.2	80820.0	92721.5	102398.8
2.5°	10811.5	14086.6	17890.8	22517.5	29711.3	39734.1	52870.2	69970.7	84159.6	95924.6	105801.5
0°	10901.1	14199.4	18035.5	22713.2	30053.9	40270.6	53670.4	71176.0	85302.1	96986.7	107004.5
-2.5°	10811.5	14086.6	17890.8	22517.5	29711.3	39734.1	52870.2	69970.7	84159.6	95924.6	105801.5
-5°	10543.8	13750.0	17459.3	21935.0	28692.8	38142.8	50504.4	66423.2	80820.0	92721.5	102398.8
-7.5°	10101.6	13194.7	16749.0	20978.3	27025.6	35549.1	46670.5	60720.9	75515.9	87501.4	97086.7
-10°	9490.4	12429.1	15772.3	19667.2	24751.1	32030.9	41510.1	53253.9	67927.9	79889.4	89638.5
-12.5°	8717.8	11463.9	14545.0	18028.4	22207.9	28349.5	36394.4	46212.2	57638.7	70427.0	79889.4
-15°	7813.5	10386.3	13241.6	16436.1	20085.2	24699.0	30813.1	38656.6	47825.0	57638.7	67927.9
-17.5°	6843.4	9228.6	11803.8	14620.8	17743.7	21361.7	26128.3	31879.9	38656.6	46212.2	53253.9
-20°	5752.8	7940.0	10289.0	12829.7	15567.6	18495.5	21794.7	26128.3	30813.1	36394.4	41510.1



REPORT NUMBER: P1305914 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-80-4S-HEG-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4681.5	6647.3	8758.3	10945.8	13352.5	15887.7	18495.5	21361.7	24699.0	28349.5	32030.9
-25°	3576.9	5274.1	7194.8	9178.4	11197.4	13352.5	15567.6	17743.7	20085.2	22207.9	24751.1
-27.5°	2679.6	4010.6	5604.9	7379.2	9178.4	10945.8	12829.7	14620.8	16436.1	18028.4	19667.2
-30°	1875.5	2860.2	4156.5	5604.9	7194.8	8758.3	10289.0	11803.8	13241.6	14545.0	15772.3
-32.5°	1651.3	1963.5	2860.2	4010.6	5274.1	6647.3	7940.0	9228.6	10386.3	11463.9	12429.1
-35°	1519.1	1651.3	1875.5	2679.6	3576.9	4681.5	5752.8	6843.4	7813.5	8717.8	9490.4
-37.5°	1412.6	1509.4	1624.1	1744.5	2322.7	2982.7	3812.9	4668.8	5431.7	6205.2	6849.3
-40°	1293.7	1393.7	1480.5	1570.2	1675.9	1798.2	2361.3	2869.3	3390.7	3994.4	4496.1
-42.5°	1174.5	1262.8	1353.8	1433.0	1504.8	1582.0	1665.4	1740.4	2002.7	2359.2	2654.9
-45°	1082.5	1146.1	1212.0	1292.0	1366.7	1429.6	1485.8	1536.4	1595.2	1647.6	1691.0
-47.5°	1006.4	1051.2	1104.1	1156.9	1211.6	1275.5	1333.7	1385.0	1426.0	1461.2	1490.2
-50°	925.9	975.9	1015.3	1052.3	1094.8	1136.7	1174.8	1215.6	1257.8	1293.9	1323.7
-52.5°	829.9	881.2	928.2	970.1	1001.8	1031.0	1057.5	1087.5	1115.0	1138.5	1157.9
-55°	704.5	764.7	821.4	865.4	903.0	937.5	967.4	989.1	1008.1	1024.3	1037.7
-57.5°	573.6	631.3	684.9	733.6	778.7	820.0	852.3	877.8	900.1	919.1	934.8
-60°	445.5	493.0	542.2	588.5	631.3	670.4	704.5	734.8	761.3	783.9	802.5
-62.5°	327.0	367.3	407.8	445.5	480.4	514.0	546.1	574.7	599.6	620.8	638.3
-65°	225.2	257.6	288.0	316.2	342.5	371.2	397.1	420.1	440.2	457.3	471.4
-67.5°	149.8	170.0	188.9	206.5	227.3	248.5	267.7	284.7	299.6	312.2	322.6
-70°	96.2	106.7	116.5	128.0	142.3	155.3	167.1	177.5	186.6	194.4	200.7
-72.5°	58.1	64.7	71.4	79.3	86.6	93.3	99.3	104.6	109.2	113.2	116.4
-75°	29.7	33.0	38.2	43.1	47.5	51.6	55.3	58.6	61.4	63.9	65.8
-77.5°	16.9	18.9	20.6	22.3	23.8	25.2	26.5	27.6	28.6	29.4	30.1
-80°	12.1	12.6	13.0	13.4	13.8	14.1	14.4	14.7	14.9	15.1	15.3
-82.5°	8.1	8.5	8.8	9.1	9.4	9.7	9.9	10.1	10.3	10.4	10.6
-85°	4.8	5.0	5.1	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.8
-87.5°	2.4	2.4	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.8	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: P1305914 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-80-4S-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°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8
85°	5.8	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.7	5.6
82.5°	10.7	10.7	10.8	10.8	10.8	10.7	10.7	10.6	10.4	10.3	10.1
80°	15.4	15.5	15.6	15.6	15.6	15.5	15.4	15.3	15.1	14.9	14.7
77.5°	30.6	31.0	31.2	31.3	31.2	31.0	30.6	30.1	29.4	28.6	27.6
75°	67.4	68.5	69.2	69.4	69.2	68.5	67.4	65.8	63.9	61.4	58.6
72.5°	118.9	120.7	121.8	122.2	121.8	120.7	118.9	116.4	113.2	109.2	104.6
70°	205.7	209.2	211.4	212.1	211.4	209.2	205.7	200.7	194.4	186.6	177.5
67.5°	330.7	336.5	340.0	341.2	340.0	336.5	330.7	322.6	312.2	299.6	284.7
65°	482.4	490.3	495.0	496.6	495.0	490.3	482.4	471.4	457.3	440.2	420.1
62.5°	652.0	661.7	667.6	669.6	667.6	661.7	652.0	638.3	620.8	599.6	574.7
60°	817.0	827.4	833.7	835.8	833.7	827.4	817.0	802.5	783.9	761.3	734.8
57.5°	947.1	955.8	961.1	962.9	961.1	955.8	947.1	934.8	919.1	900.1	877.8
55°	1048.2	1055.7	1060.2	1061.7	1060.2	1055.7	1048.2	1037.7	1024.3	1008.1	989.1
52.5°	1173.0	1183.9	1190.5	1192.7	1190.5	1183.9	1173.0	1157.9	1138.5	1115.0	1087.5
50°	1347.1	1363.9	1374.0	1377.4	1374.0	1363.9	1347.1	1323.7	1293.9	1257.8	1215.6
47.5°	1513.0	1529.4	1539.3	1542.6	1539.3	1529.4	1513.0	1490.2	1461.2	1426.0	1385.0
45°	1725.1	1749.7	1764.5	1769.4	1764.5	1749.7	1725.1	1691.0	1647.6	1595.2	1536.4
42.5°	2887.5	3055.0	3156.1	3189.9	3156.1	3055.0	2887.5	2654.9	2359.2	2002.7	1740.4
40°	4891.3	5176.3	5348.4	5406.0	5348.4	5176.3	4891.3	4496.1	3994.4	3390.7	2869.3
37.5°	7357.7	7724.8	7946.8	8021.1	7946.8	7724.8	7357.7	6849.3	6205.2	5431.7	4668.8
35°	10101.6	10543.8	10811.5	10901.1	10811.5	10543.8	10101.6	9490.4	8717.8	7813.5	6843.4
32.5°	13194.7	13750.0	14086.6	14199.4	14086.6	13750.0	13194.7	12429.1	11463.9	10386.3	9228.6
30°	16749.0	17459.3	17890.8	18035.5	17890.8	17459.3	16749.0	15772.3	14545.0	13241.6	11803.8
27.5°	20978.3	21935.0	22517.5	22713.2	22517.5	21935.0	20978.3	19667.2	18028.4	16436.1	14620.8
25°	27025.6	28692.8	29711.3	30053.9	29711.3	28692.8	27025.6	24751.1	22207.9	20085.2	17743.7
22.5°	35549.1	38142.8	39734.1	40270.6	39734.1	38142.8	35549.1	32030.9	28349.5	24699.0	21361.7
20°	46670.5	50504.4	52870.2	53670.4	52870.2	50504.4	46670.5	41510.1	36394.4	30813.1	26128.3
17.5°	60720.9	66423.2	69970.7	71176.0	69970.7	66423.2	60720.9	53253.9	46212.2	38656.6	31879.9
15°	75515.9	80820.0	84159.6	85302.1	84159.6	80820.0	75515.9	67927.9	57638.7	47825.0	38656.6
12.5°	87501.4	92721.5	95924.6	96986.7	95924.6	92721.5	87501.4	79889.4	70427.0	57638.7	46212.2
10°	97086.7	102398.8	105801.5	107004.5	105801.5	102398.8	97086.7	89638.5	79889.4	67927.9	53253.9
7.5°	104669.3	110665.2	114296.8	115589.2	114296.8	110665.2	104669.3	97086.7	87501.4	75515.9	60720.9
5°	110665.2	116977.6	121276.0	122788.6	121276.0	116977.6	110665.2	102398.8	92721.5	80820.0	66423.2
2.5°	114296.8	121276.0	125428.3	126621.3	125428.3	121276.0	114296.8	105801.5	95924.6	84159.6	69970.7
0°	115589.2	122788.6	126621.3	127164.3	126621.3	122788.6	115589.2	107004.5	96986.7	85302.1	71176.0
-2.5°	114296.8	121276.0	125428.3	126621.3	125428.3	121276.0	114296.8	105801.5	95924.6	84159.6	69970.7
-5°	110665.2	116977.6	121276.0	122788.6	121276.0	116977.6	110665.2	102398.8	92721.5	80820.0	66423.2
-7.5°	104669.3	110665.2	114296.8	115589.2	114296.8	110665.2	104669.3	97086.7	87501.4	75515.9	60720.9
-10°	97086.7	102398.8	105801.5	107004.5	105801.5	102398.8	97086.7	89638.5	79889.4	67927.9	53253.9
-12.5°	87501.4	92721.5	95924.6	96986.7	95924.6	92721.5	87501.4	79889.4	70427.0	57638.7	46212.2
-15°	75515.9	80820.0	84159.6	85302.1	84159.6	80820.0	75515.9	67927.9	57638.7	47825.0	38656.6
-17.5°	60720.9	66423.2	69970.7	71176.0	69970.7	66423.2	60720.9	53253.9	46212.2	38656.6	31879.9
-20°	46670.5	50504.4	52870.2	53670.4	52870.2	50504.4	46670.5	41510.1	36394.4	30813.1	26128.3



REPORT NUMBER: P1305914 (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°	35549.1	38142.8	39734.1	40270.6	39734.1	38142.8	35549.1	32030.9	28349.5	24699.0	21361.7
-25°	27025.6	28692.8	29711.3	30053.9	29711.3	28692.8	27025.6	24751.1	22207.9	20085.2	17743.7
-27.5°	20978.3	21935.0	22517.5	22713.2	22517.5	21935.0	20978.3	19667.2	18028.4	16436.1	14620.8
-30°	16749.0	17459.3	17890.8	18035.5	17890.8	17459.3	16749.0	15772.3	14545.0	13241.6	11803.8
-32.5°	13194.7	13750.0	14086.6	14199.4	14086.6	13750.0	13194.7	12429.1	11463.9	10386.3	9228.6
-35°	10101.6	10543.8	10811.5	10901.1	10811.5	10543.8	10101.6	9490.4	8717.8	7813.5	6843.4
-37.5°	7357.7	7724.8	7946.8	8021.1	7946.8	7724.8	7357.7	6849.3	6205.2	5431.7	4668.8
-40°	4891.3	5176.3	5348.4	5406.0	5348.4	5176.3	4891.3	4496.1	3994.4	3390.7	2869.3
-42.5°	2887.5	3055.0	3156.1	3189.9	3156.1	3055.0	2887.5	2654.9	2359.2	2002.7	1740.4
-45°	1725.1	1749.7	1764.5	1769.4	1764.5	1749.7	1725.1	1691.0	1647.6	1595.2	1536.4
-47.5°	1513.0	1529.4	1539.3	1542.6	1539.3	1529.4	1513.0	1490.2	1461.2	1426.0	1385.0
-50°	1347.1	1363.9	1374.0	1377.4	1374.0	1363.9	1347.1	1323.7	1293.9	1257.8	1215.6
-52.5°	1173.0	1183.9	1190.5	1192.7	1190.5	1183.9	1173.0	1157.9	1138.5	1115.0	1087.5
-55°	1048.2	1055.7	1060.2	1061.7	1060.2	1055.7	1048.2	1037.7	1024.3	1008.1	989.1
-57.5°	947.1	955.8	961.1	962.9	961.1	955.8	947.1	934.8	919.1	900.1	877.8
-60°	817.0	827.4	833.7	835.8	833.7	827.4	817.0	802.5	783.9	761.3	734.8
-62.5°	652.0	661.7	667.6	669.6	667.6	661.7	652.0	638.3	620.8	599.6	574.7
-65°	482.4	490.3	495.0	496.6	495.0	490.3	482.4	471.4	457.3	440.2	420.1
-67.5°	330.7	336.5	340.0	341.2	340.0	336.5	330.7	322.6	312.2	299.6	284.7
-70°	205.7	209.2	211.4	212.1	211.4	209.2	205.7	200.7	194.4	186.6	177.5
-72.5°	118.9	120.7	121.8	122.2	121.8	120.7	118.9	116.4	113.2	109.2	104.6
-75°	67.4	68.5	69.2	69.4	69.2	68.5	67.4	65.8	63.9	61.4	58.6
-77.5°	30.6	31.0	31.2	31.3	31.2	31.0	30.6	30.1	29.4	28.6	27.6
-80°	15.4	15.5	15.6	15.6	15.6	15.5	15.4	15.3	15.1	14.9	14.7
-82.5°	10.7	10.7	10.8	10.8	10.8	10.7	10.7	10.6	10.4	10.3	10.1
-85°	5.8	5.9	5.9	5.9	5.9	5.9	5.8	5.8	5.8	5.7	5.6
-87.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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°	2.7	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.1
85°	5.5	5.4	5.3	5.2	5.1	5.0	4.8	4.7	4.5	4.3	4.1
82.5°	9.9	9.7	9.4	9.1	8.8	8.5	8.1	7.7	7.3	6.9	6.5
80°	14.4	14.1	13.8	13.4	13.0	12.6	12.1	11.6	11.1	10.5	9.9
77.5°	26.5	25.2	23.8	22.3	20.6	18.9	16.9	15.4	14.7	14.0	13.3
75°	55.3	51.6	47.5	43.1	38.2	33.0	29.7	27.2	24.6	21.9	19.0
72.5°	99.3	93.3	86.6	79.3	71.4	64.7	58.1	51.1	43.8	36.0	29.9
70°	167.1	155.3	142.3	128.0	116.5	106.7	96.2	85.1	73.4	63.4	54.1
67.5°	267.7	248.5	227.3	206.5	188.9	170.0	149.8	128.5	112.6	98.7	84.2
65°	397.1	371.2	342.5	316.2	288.0	257.6	225.2	197.4	172.2	145.7	119.8
62.5°	546.1	514.0	480.4	445.5	407.8	367.3	327.0	289.0	249.0	208.6	178.2
60°	704.5	670.4	631.3	588.5	542.2	493.0	445.5	395.3	342.5	296.4	248.5
57.5°	852.3	820.0	778.7	733.6	684.9	631.3	573.6	512.6	453.4	393.2	332.4
55°	967.4	937.5	903.0	865.4	821.4	764.7	704.5	639.7	570.3	497.8	429.9
52.5°	1057.5	1031.0	1001.8	970.1	928.2	881.2	829.9	761.3	689.3	612.1	531.0
50°	1174.8	1136.7	1094.8	1052.3	1015.3	975.9	925.9	869.4	802.5	722.0	637.4
47.5°	1333.7	1275.5	1211.6	1156.9	1104.1	1051.2	1006.4	958.4	895.1	827.4	738.5
45°	1485.8	1429.6	1366.7	1292.0	1212.0	1146.1	1082.5	1027.1	974.7	908.1	835.8
42.5°	1665.4	1582.0	1504.8	1433.0	1353.8	1262.8	1174.5	1103.5	1037.5	979.8	908.1
40°	2361.3	1798.2	1675.9	1570.2	1480.5	1393.7	1293.7	1188.9	1110.5	1037.5	974.7
37.5°	3812.9	2982.7	2322.7	1744.5	1624.1	1509.4	1412.6	1304.0	1188.9	1103.5	1027.1
35°	5752.8	4681.5	3576.9	2679.6	1875.5	1651.3	1519.1	1412.6	1293.7	1174.5	1082.5
32.5°	7940.0	6647.3	5274.1	4010.6	2860.2	1963.5	1651.3	1509.4	1393.7	1262.8	1146.1
30°	10289.0	8758.3	7194.8	5604.9	4156.5	2860.2	1875.5	1624.1	1480.5	1353.8	1212.0
27.5°	12829.7	10945.8	9178.4	7379.2	5604.9	4010.6	2679.6	1744.5	1570.2	1433.0	1292.0
25°	15567.6	13352.5	11197.4	9178.4	7194.8	5274.1	3576.9	2322.7	1675.9	1504.8	1366.7
22.5°	18495.5	15887.7	13352.5	10945.8	8758.3	6647.3	4681.5	2982.7	1798.2	1582.0	1429.6
20°	21794.7	18495.5	15567.6	12829.7	10289.0	7940.0	5752.8	3812.9	2361.3	1665.4	1485.8
17.5°	26128.3	21361.7	17743.7	14620.8	11803.8	9228.6	6843.4	4668.8	2869.3	1740.4	1536.4
15°	30813.1	24699.0	20085.2	16436.1	13241.6	10386.3	7813.5	5431.7	3390.7	2002.7	1595.2
12.5°	36394.4	28349.5	22207.9	18028.4	14545.0	11463.9	8717.8	6205.2	3994.4	2359.2	1647.6
10°	41510.1	32030.9	24751.1	19667.2	15772.3	12429.1	9490.4	6849.3	4496.1	2654.9	1691.0
7.5°	46670.5	35549.1	27025.6	20978.3	16749.0	13194.7	10101.6	7357.7	4891.3	2887.5	1725.1
5°	50504.4	38142.8	28692.8	21935.0	17459.3	13750.0	10543.8	7724.8	5176.3	3055.0	1749.7
2.5°	52870.2	39734.1	29711.3	22517.5	17890.8	14086.6	10811.5	7946.8	5348.4	3156.1	1764.5
0°	53670.4	40270.6	30053.9	22713.2	18035.5	14199.4	10901.1	8021.1	5406.0	3189.9	1769.4
-2.5°	52870.2	39734.1	29711.3	22517.5	17890.8	14086.6	10811.5	7946.8	5348.4	3156.1	1764.5
-5°	50504.4	38142.8	28692.8	21935.0	17459.3	13750.0	10543.8	7724.8	5176.3	3055.0	1749.7
-7.5°	46670.5	35549.1	27025.6	20978.3	16749.0	13194.7	10101.6	7357.7	4891.3	2887.5	1725.1
-10°	41510.1	32030.9	24751.1	19667.2	15772.3	12429.1	9490.4	6849.3	4496.1	2654.9	1691.0
-12.5°	36394.4	28349.5	22207.9	18028.4	14545.0	11463.9	8717.8	6205.2	3994.4	2359.2	1647.6
-15°	30813.1	24699.0	20085.2	16436.1	13241.6	10386.3	7813.5	5431.7	3390.7	2002.7	1595.2
-17.5°	26128.3	21361.7	17743.7	14620.8	11803.8	9228.6	6843.4	4668.8	2869.3	1740.4	1536.4
-20°	21794.7	18495.5	15567.6	12829.7	10289.0	7940.0	5752.8	3812.9	2361.3	1665.4	1485.8



REPORT NUMBER: P1305914 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-80-4S-HEG-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	18495.5	15887.7	13352.5	10945.8	8758.3	6647.3	4681.5	2982.7	1798.2	1582.0	1429.6
-25°	15567.6	13352.5	11197.4	9178.4	7194.8	5274.1	3576.9	2322.7	1675.9	1504.8	1366.7
-27.5°	12829.7	10945.8	9178.4	7379.2	5604.9	4010.6	2679.6	1744.5	1570.2	1433.0	1292.0
-30°	10289.0	8758.3	7194.8	5604.9	4156.5	2860.2	1875.5	1624.1	1480.5	1353.8	1212.0
-32.5°	7940.0	6647.3	5274.1	4010.6	2860.2	1963.5	1651.3	1509.4	1393.7	1262.8	1146.1
-35°	5752.8	4681.5	3576.9	2679.6	1875.5	1651.3	1519.1	1412.6	1293.7	1174.5	1082.5
-37.5°	3812.9	2982.7	2322.7	1744.5	1624.1	1509.4	1412.6	1304.0	1188.9	1103.5	1027.1
-40°	2361.3	1798.2	1675.9	1570.2	1480.5	1393.7	1293.7	1188.9	1110.5	1037.5	974.7
-42.5°	1665.4	1582.0	1504.8	1433.0	1353.8	1262.8	1174.5	1103.5	1037.5	979.8	908.1
-45°	1485.8	1429.6	1366.7	1292.0	1212.0	1146.1	1082.5	1027.1	974.7	908.1	835.8
-47.5°	1333.7	1275.5	1211.6	1156.9	1104.1	1051.2	1006.4	958.4	895.1	827.4	738.5
-50°	1174.8	1136.7	1094.8	1052.3	1015.3	975.9	925.9	869.4	802.5	722.0	637.4
-52.5°	1057.5	1031.0	1001.8	970.1	928.2	881.2	829.9	761.3	689.3	612.1	531.0
-55°	967.4	937.5	903.0	865.4	821.4	764.7	704.5	639.7	570.3	497.8	429.9
-57.5°	852.3	820.0	778.7	733.6	684.9	631.3	573.6	512.6	453.4	393.2	332.4
-60°	704.5	670.4	631.3	588.5	542.2	493.0	445.5	395.3	342.5	296.4	248.5
-62.5°	546.1	514.0	480.4	445.5	407.8	367.3	327.0	289.0	249.0	208.6	178.2
-65°	397.1	371.2	342.5	316.2	288.0	257.6	225.2	197.4	172.2	145.7	119.8
-67.5°	267.7	248.5	227.3	206.5	188.9	170.0	149.8	128.5	112.6	98.7	84.2
-70°	167.1	155.3	142.3	128.0	116.5	106.7	96.2	85.1	73.4	63.4	54.1
-72.5°	99.3	93.3	86.6	79.3	71.4	64.7	58.1	51.1	43.8	36.0	29.9
-75°	55.3	51.6	47.5	43.1	38.2	33.0	29.7	27.2	24.6	21.9	19.0
-77.5°	26.5	25.2	23.8	22.3	20.6	18.9	16.9	15.4	14.7	14.0	13.3
-80°	14.4	14.1	13.8	13.4	13.0	12.6	12.1	11.6	11.1	10.5	9.9
-82.5°	9.9	9.7	9.4	9.1	8.8	8.5	8.1	7.7	7.3	6.9	6.5
-85°	5.5	5.4	5.3	5.2	5.1	5.0	4.8	4.7	4.5	4.3	4.1
-87.5°	2.7	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.1
-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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 CATALOG NUMBER: EPH-08-320N-57-80-4S-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°	2.0	1.9	1.8	1.7	1.6	1.4	1.3	1.2	1.1	1.0	0.9
85°	4.0	3.8	3.5	3.3	3.1	2.9	2.7	2.4	2.2	2.0	1.7
82.5°	6.0	5.7	5.4	5.1	4.7	4.4	4.0	3.7	3.3	3.0	2.6
80°	9.3	8.7	8.0	7.3	6.6	5.9	5.4	5.0	4.5	4.0	3.5
77.5°	12.5	11.8	10.9	10.1	9.2	8.3	7.3	6.4	5.6	5.0	4.4
75°	16.0	14.8	13.8	12.8	11.7	10.7	9.6	8.4	7.2	6.1	5.3
72.5°	26.4	22.8	19.0	15.5	14.3	13.0	11.7	10.4	9.1	7.7	6.3
70°	44.4	34.3	28.3	23.8	19.3	15.3	13.8	12.4	10.8	9.3	7.7
67.5°	69.1	57.8	46.1	34.0	27.3	22.1	16.7	14.3	12.6	10.8	9.1
65°	103.0	85.5	68.0	54.6	40.8	29.4	23.5	17.4	14.3	12.4	10.4
62.5°	146.5	117.3	97.4	77.0	59.7	44.2	30.1	23.5	16.7	13.8	11.7
60°	202.8	167.1	130.1	104.6	81.7	61.4	44.2	29.4	22.1	15.3	13.0
57.5°	278.4	222.7	179.5	138.4	107.0	81.7	59.7	40.8	27.3	19.3	14.3
55°	359.8	296.5	234.6	183.6	138.4	104.6	77.0	54.6	34.0	23.8	15.5
52.5°	452.1	374.5	302.6	234.6	179.5	130.1	97.4	68.0	46.1	28.3	19.0
50°	547.7	459.6	374.5	296.5	222.7	167.1	117.3	85.5	57.8	34.3	22.8
47.5°	645.8	547.7	452.1	359.8	278.4	202.8	146.5	103.0	69.1	44.4	26.4
45°	738.5	637.4	531.0	429.9	332.4	248.5	178.2	119.8	84.2	54.1	29.9
42.5°	827.4	722.0	612.1	497.8	393.2	296.4	208.6	145.7	98.7	63.4	36.0
40°	895.1	802.5	689.3	570.3	453.4	342.5	249.0	172.2	112.6	73.4	43.8
37.5°	958.4	869.4	761.3	639.7	512.6	395.3	289.0	197.4	128.5	85.1	51.1
35°	1006.4	925.9	829.9	704.5	573.6	445.5	327.0	225.2	149.8	96.2	58.1
32.5°	1051.2	975.9	881.2	764.7	631.3	493.0	367.3	257.6	170.0	106.7	64.7
30°	1104.1	1015.3	928.2	821.4	684.9	542.2	407.8	288.0	188.9	116.5	71.4
27.5°	1156.9	1052.3	970.1	865.4	733.6	588.5	445.5	316.2	206.5	128.0	79.3
25°	1211.6	1094.8	1001.8	903.0	778.7	631.3	480.4	342.5	227.3	142.3	86.6
22.5°	1275.5	1136.7	1031.0	937.5	820.0	670.4	514.0	371.2	248.5	155.3	93.3
20°	1333.7	1174.8	1057.5	967.4	852.3	704.5	546.1	397.1	267.7	167.1	99.3
17.5°	1385.0	1215.6	1087.5	989.1	877.8	734.8	574.7	420.1	284.7	177.5	104.6
15°	1426.0	1257.8	1115.0	1008.1	900.1	761.3	599.6	440.2	299.6	186.6	109.2
12.5°	1461.2	1293.9	1138.5	1024.3	919.1	783.9	620.8	457.3	312.2	194.4	113.2
10°	1490.2	1323.7	1157.9	1037.7	934.8	802.5	638.3	471.4	322.6	200.7	116.4
7.5°	1513.0	1347.1	1173.0	1048.2	947.1	817.0	652.0	482.4	330.7	205.7	118.9
5°	1529.4	1363.9	1183.9	1055.7	955.8	827.4	661.7	490.3	336.5	209.2	120.7
2.5°	1539.3	1374.0	1190.5	1060.2	961.1	833.7	667.6	495.0	340.0	211.4	121.8
0°	1542.6	1377.4	1192.7	1061.7	962.9	835.8	669.6	496.6	341.2	212.1	122.2
-2.5°	1539.3	1374.0	1190.5	1060.2	961.1	833.7	667.6	495.0	340.0	211.4	121.8
-5°	1529.4	1363.9	1183.9	1055.7	955.8	827.4	661.7	490.3	336.5	209.2	120.7
-7.5°	1513.0	1347.1	1173.0	1048.2	947.1	817.0	652.0	482.4	330.7	205.7	118.9
-10°	1490.2	1323.7	1157.9	1037.7	934.8	802.5	638.3	471.4	322.6	200.7	116.4
-12.5°	1461.2	1293.9	1138.5	1024.3	919.1	783.9	620.8	457.3	312.2	194.4	113.2
-15°	1426.0	1257.8	1115.0	1008.1	900.1	761.3	599.6	440.2	299.6	186.6	109.2
-17.5°	1385.0	1215.6	1087.5	989.1	877.8	734.8	574.7	420.1	284.7	177.5	104.6
-20°	1333.7	1174.8	1057.5	967.4	852.3	704.5	546.1	397.1	267.7	167.1	99.3



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1275.5	1136.7	1031.0	937.5	820.0	670.4	514.0	371.2	248.5	155.3	93.3
-25°	1211.6	1094.8	1001.8	903.0	778.7	631.3	480.4	342.5	227.3	142.3	86.6
-27.5°	1156.9	1052.3	970.1	865.4	733.6	588.5	445.5	316.2	206.5	128.0	79.3
-30°	1104.1	1015.3	928.2	821.4	684.9	542.2	407.8	288.0	188.9	116.5	71.4
-32.5°	1051.2	975.9	881.2	764.7	631.3	493.0	367.3	257.6	170.0	106.7	64.7
-35°	1006.4	925.9	829.9	704.5	573.6	445.5	327.0	225.2	149.8	96.2	58.1
-37.5°	958.4	869.4	761.3	639.7	512.6	395.3	289.0	197.4	128.5	85.1	51.1
-40°	895.1	802.5	689.3	570.3	453.4	342.5	249.0	172.2	112.6	73.4	43.8
-42.5°	827.4	722.0	612.1	497.8	393.2	296.4	208.6	145.7	98.7	63.4	36.0
-45°	738.5	637.4	531.0	429.9	332.4	248.5	178.2	119.8	84.2	54.1	29.9
-47.5°	645.8	547.7	452.1	359.8	278.4	202.8	146.5	103.0	69.1	44.4	26.4
-50°	547.7	459.6	374.5	296.5	222.7	167.1	117.3	85.5	57.8	34.3	22.8
-52.5°	452.1	374.5	302.6	234.6	179.5	130.1	97.4	68.0	46.1	28.3	19.0
-55°	359.8	296.5	234.6	183.6	138.4	104.6	77.0	54.6	34.0	23.8	15.5
-57.5°	278.4	222.7	179.5	138.4	107.0	81.7	59.7	40.8	27.3	19.3	14.3
-60°	202.8	167.1	130.1	104.6	81.7	61.4	44.2	29.4	22.1	15.3	13.0
-62.5°	146.5	117.3	97.4	77.0	59.7	44.2	30.1	23.5	16.7	13.8	11.7
-65°	103.0	85.5	68.0	54.6	40.8	29.4	23.5	17.4	14.3	12.4	10.4
-67.5°	69.1	57.8	46.1	34.0	27.3	22.1	16.7	14.3	12.6	10.8	9.1
-70°	44.4	34.3	28.3	23.8	19.3	15.3	13.8	12.4	10.8	9.3	7.7
-72.5°	26.4	22.8	19.0	15.5	14.3	13.0	11.7	10.4	9.1	7.7	6.3
-75°	16.0	14.8	13.8	12.8	11.7	10.7	9.6	8.4	7.2	6.1	5.3
-77.5°	12.5	11.8	10.9	10.1	9.2	8.3	7.3	6.4	5.6	5.0	4.4
-80°	9.3	8.7	8.0	7.3	6.6	5.9	5.4	5.0	4.5	4.0	3.5
-82.5°	6.0	5.7	5.4	5.1	4.7	4.4	4.0	3.7	3.3	3.0	2.6
-85°	4.0	3.8	3.5	3.3	3.1	2.9	2.7	2.4	2.2	2.0	1.7
-87.5°	2.0	1.9	1.8	1.7	1.6	1.4	1.3	1.2	1.1	1.0	0.9
-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):

	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°	0.8	0.6	0.5	0.4	0.3	0.1	0.0
85°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
82.5°	2.2	1.9	1.5	1.1	0.8	0.4	0.0
80°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
77.5°	3.8	3.1	2.5	1.9	1.3	0.6	0.0
75°	4.5	3.8	3.0	2.2	1.5	0.8	0.0
72.5°	5.3	4.4	3.5	2.6	1.7	0.9	0.0
70°	6.1	5.0	4.0	3.0	2.0	1.0	0.0
67.5°	7.2	5.6	4.5	3.3	2.2	1.1	0.0
65°	8.4	6.4	5.0	3.7	2.4	1.2	0.0
62.5°	9.6	7.3	5.4	4.0	2.7	1.3	0.0
60°	10.7	8.3	5.9	4.4	2.9	1.4	0.0
57.5°	11.7	9.2	6.6	4.7	3.1	1.6	0.0
55°	12.8	10.1	7.3	5.1	3.3	1.7	0.0
52.5°	13.8	10.9	8.0	5.4	3.5	1.8	0.0
50°	14.8	11.8	8.7	5.7	3.8	1.9	0.0
47.5°	16.0	12.5	9.3	6.0	4.0	2.0	0.0
45°	19.0	13.3	9.9	6.5	4.1	2.1	0.0
42.5°	21.9	14.0	10.5	6.9	4.3	2.1	0.0
40°	24.6	14.7	11.1	7.3	4.5	2.2	0.0
37.5°	27.2	15.4	11.6	7.7	4.7	2.3	0.0
35°	29.7	16.9	12.1	8.1	4.8	2.4	0.0
32.5°	33.0	18.9	12.6	8.5	5.0	2.4	0.0
30°	38.2	20.6	13.0	8.8	5.1	2.5	0.0
27.5°	43.1	22.3	13.4	9.1	5.2	2.6	0.0
25°	47.5	23.8	13.8	9.4	5.3	2.6	0.0
22.5°	51.6	25.2	14.1	9.7	5.4	2.7	0.0
20°	55.3	26.5	14.4	9.9	5.5	2.7	0.0
17.5°	58.6	27.6	14.7	10.1	5.6	2.8	0.0
15°	61.4	28.6	14.9	10.3	5.7	2.8	0.0
12.5°	63.9	29.4	15.1	10.4	5.8	2.8	0.0
10°	65.8	30.1	15.3	10.6	5.8	2.9	0.0
7.5°	67.4	30.6	15.4	10.7	5.8	2.9	0.0
5°	68.5	31.0	15.5	10.7	5.9	2.9	0.0
2.5°	69.2	31.2	15.6	10.8	5.9	2.9	0.0
0°	69.4	31.3	15.6	10.8	5.9	2.9	0.0
-2.5°	69.2	31.2	15.6	10.8	5.9	2.9	0.0
-5°	68.5	31.0	15.5	10.7	5.9	2.9	0.0
-7.5°	67.4	30.6	15.4	10.7	5.8	2.9	0.0
-10°	65.8	30.1	15.3	10.6	5.8	2.9	0.0
-12.5°	63.9	29.4	15.1	10.4	5.8	2.8	0.0
-15°	61.4	28.6	14.9	10.3	5.7	2.8	0.0
-17.5°	58.6	27.6	14.7	10.1	5.6	2.8	0.0
-20°	55.3	26.5	14.4	9.9	5.5	2.7	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	51.6	25.2	14.1	9.7	5.4	2.7	0.0
-25°	47.5	23.8	13.8	9.4	5.3	2.6	0.0
-27.5°	43.1	22.3	13.4	9.1	5.2	2.6	0.0
-30°	38.2	20.6	13.0	8.8	5.1	2.5	0.0
-32.5°	33.0	18.9	12.6	8.5	5.0	2.4	0.0
-35°	29.7	16.9	12.1	8.1	4.8	2.4	0.0
-37.5°	27.2	15.4	11.6	7.7	4.7	2.3	0.0
-40°	24.6	14.7	11.1	7.3	4.5	2.2	0.0
-42.5°	21.9	14.0	10.5	6.9	4.3	2.1	0.0
-45°	19.0	13.3	9.9	6.5	4.1	2.1	0.0
-47.5°	16.0	12.5	9.3	6.0	4.0	2.0	0.0
-50°	14.8	11.8	8.7	5.7	3.8	1.9	0.0
-52.5°	13.8	10.9	8.0	5.4	3.5	1.8	0.0
-55°	12.8	10.1	7.3	5.1	3.3	1.7	0.0
-57.5°	11.7	9.2	6.6	4.7	3.1	1.6	0.0
-60°	10.7	8.3	5.9	4.4	2.9	1.4	0.0
-62.5°	9.6	7.3	5.4	4.0	2.7	1.3	0.0
-65°	8.4	6.4	5.0	3.7	2.4	1.2	0.0
-67.5°	7.2	5.6	4.5	3.3	2.2	1.1	0.0
-70°	6.1	5.0	4.0	3.0	2.0	1.0	0.0
-72.5°	5.3	4.4	3.5	2.6	1.7	0.9	0.0
-75°	4.5	3.8	3.0	2.2	1.5	0.8	0.0
-77.5°	3.8	3.1	2.5	1.9	1.3	0.6	0.0
-80°	3.0	2.5	2.0	1.5	1.0	0.5	0.0
-82.5°	2.2	1.9	1.5	1.1	0.8	0.4	0.0
-85°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
-87.5°	0.8	0.6	0.5	0.4	0.3	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)