

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: P1305884 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-40-70-4S-HEG-A**

Issue Date: 2/3/2026

Test Information

Test Method: LM-79-08
Report Number: P1305884 (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-40-70-4S-HEG-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 4S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

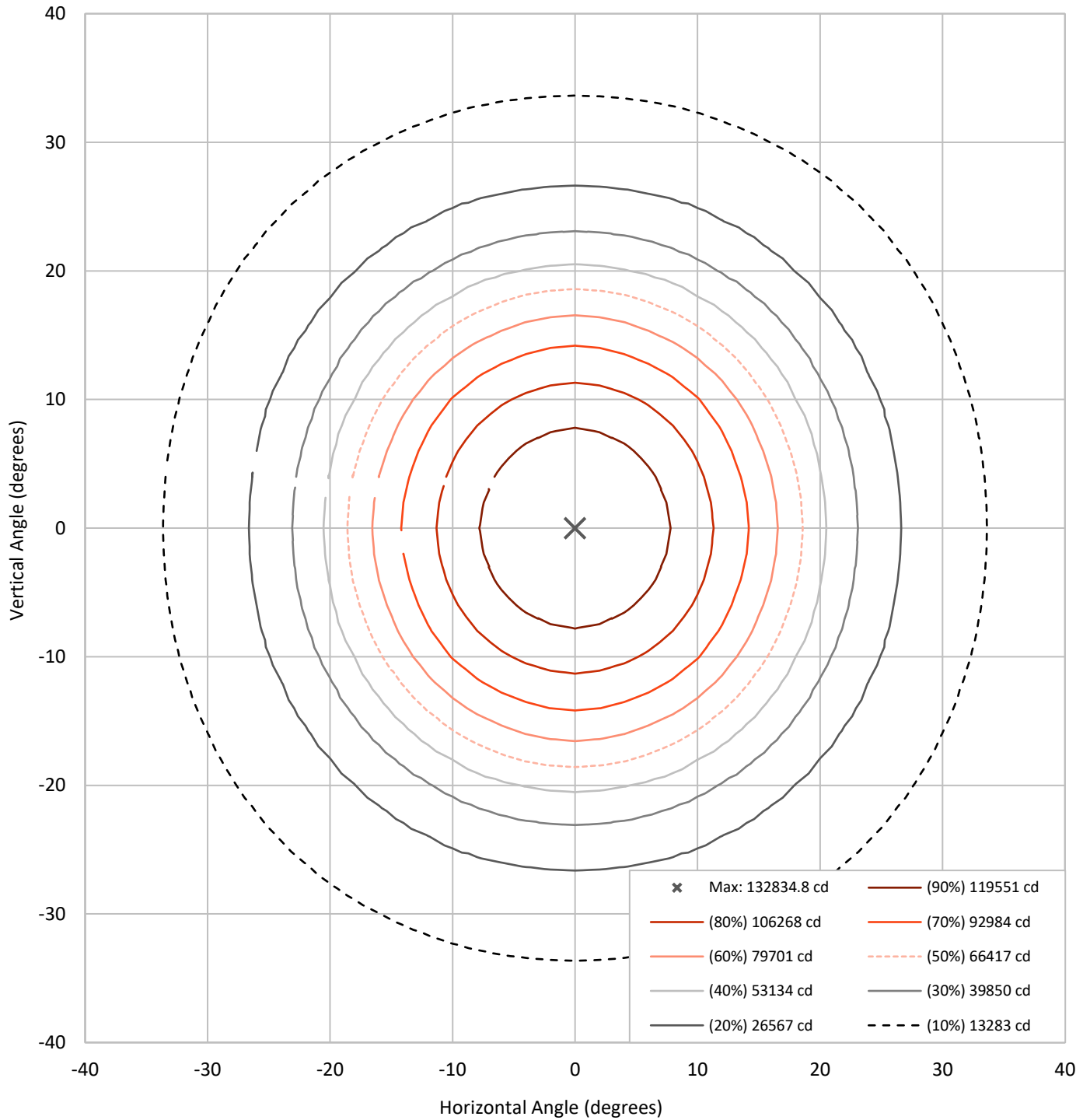
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	61344.4 lumens	Max Intensity:	132834.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	183.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	37.2°H x 37.2°V	Field Angle (10%):	67.2°H x 67.2°V
Beam Lumens:	31935.3 lumens	Field Lumens:	53646 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





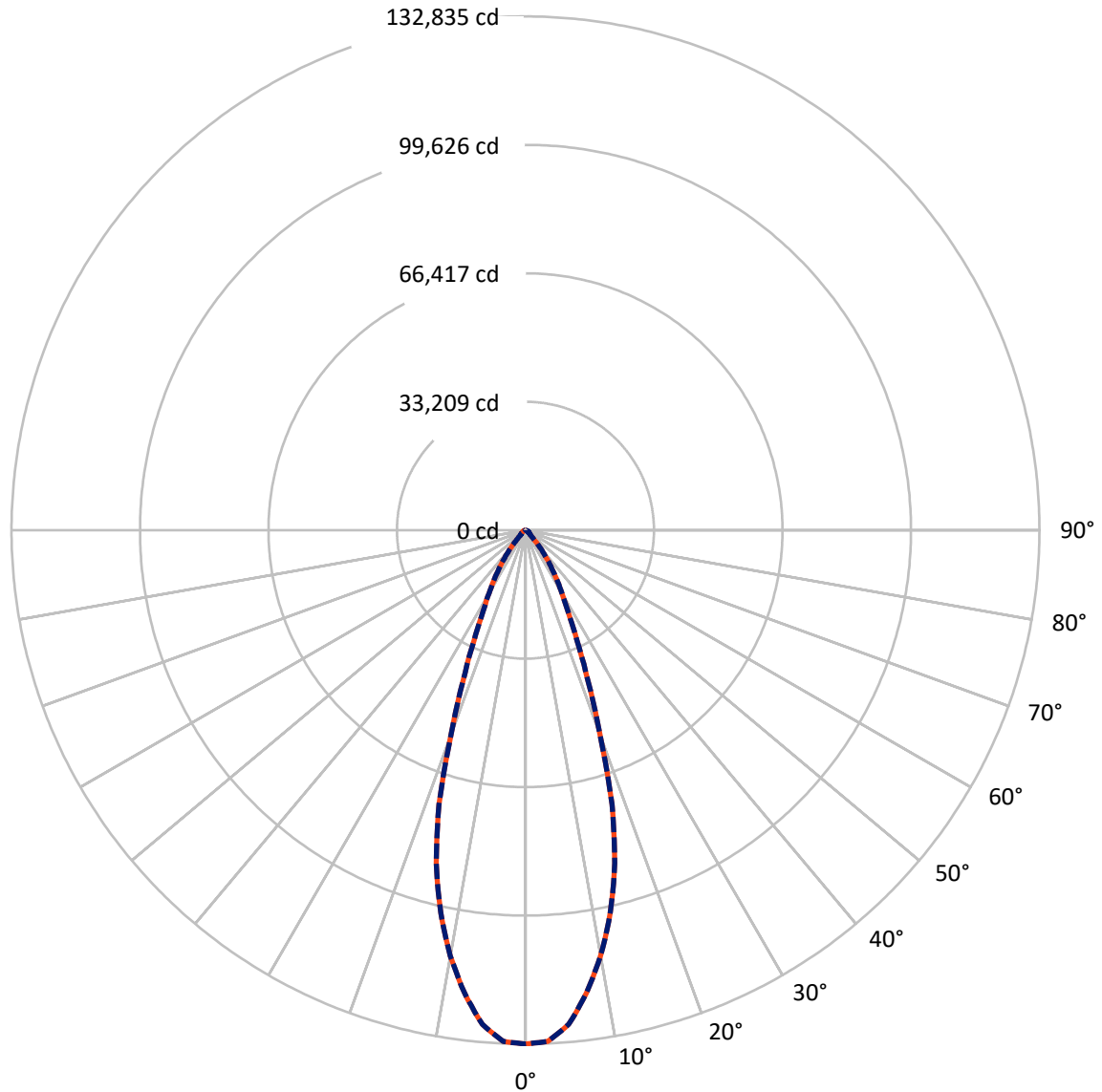
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Lumen Table

90	0.1	0.5		1.8		4.4		5.7		4.4		1.8		0.5		0.1
80	0.1	0.5		1.8		4.4		5.7		4.4		1.8		0.5		0.1
70	0.2	0.3	1.1	3.1	6.4	10.4	13.9	15.8	15.8	13.9	10.4	6.4	3.1	1.1	0.3	0.2
60		0.8	3.6	9.9	18.1	25.5	30.9	33.9	33.9	30.9	25.5	18.1	9.9	3.6	0.8	
50	0.6	1.9	8.1	18.4	28.6	39.7	57.0	75.2	75.2	57.0	39.7	28.6	18.4	8.1	1.9	0.6
40		3.4	12.8	24.7	42.9	115.4	244.2	338.7	338.7	244.2	115.4	42.9	24.7	12.8	3.4	
30	1.3	5.0	16.3	31.1	105.1	328.3	642.0	954.6	954.6	642.0	328.3	105.1	31.1	16.3	5.0	1.3
20		6.3	18.5	42.2	209.1	604.5	1497.0	2457.5	2457.5	1497.0	604.5	209.1	42.2	18.5	6.3	
10	1.6	7.0	19.7	54.4	281.5	874.1	2388.0	3597.1	3597.1	2388.0	874.1	281.5	54.4	19.7	7.0	1.6
0		7.0	19.7	54.4	281.5	874.1	2388.0	3597.1	3597.1	2388.0	874.1	281.5	54.4	19.7	7.0	
-10	1.3	6.3	18.5	42.2	209.1	604.5	1497.0	2457.5	2457.5	1497.0	604.5	209.1	42.2	18.5	6.3	1.3
-20		5.0	16.3	31.1	105.1	328.3	642.0	954.6	954.6	642.0	328.3	105.1	31.1	16.3	5.0	
-30	0.6	3.4	12.8	24.7	42.9	115.4	244.2	338.7	338.7	244.2	115.4	42.9	24.7	12.8	3.4	0.6
-40		1.9	8.1	18.4	28.6	39.7	57.0	75.2	75.2	57.0	39.7	28.6	18.4	8.1	1.9	
-50	0.2	0.8	3.6	9.9	18.1	25.5	30.9	33.9	33.9	30.9	25.5	18.1	9.9	3.6	0.8	0.2
-60		0.3	1.1	3.1	6.4	10.4	13.9	15.8	15.8	13.9	10.4	6.4	3.1	1.1	0.3	
-70	0.1	0.5		1.8		4.4		5.7		4.4		1.8		0.5		0.1
-80		0.5		1.8		4.4		5.7		4.4		1.8		0.5		
-90	0.1	0.5		1.8		4.4		5.7		4.4		1.8		0.5		0.1

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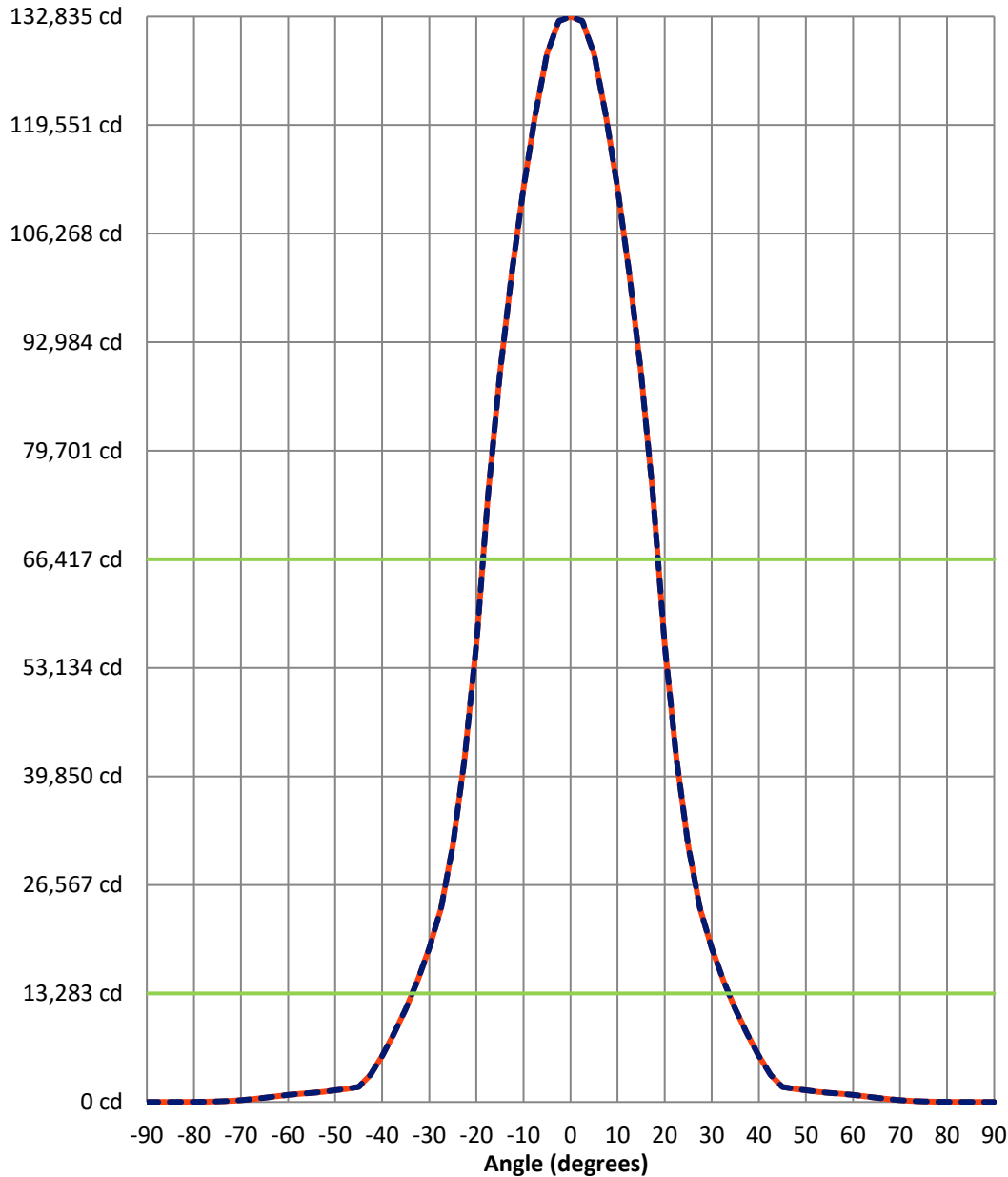
Luminous Intensity Polar Plot



— 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: 31935.3
Efficiency: 52.1%

Field:
H Angle: 67.2°
V Angle: 67.2°
Lumens: 53646
Efficiency: 87.5%

Spill:
Lumens: 7698.4
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	0.7	0.8	0.9	1.1	1.2	1.3
85°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.1	2.4	2.6
82.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.5	3.9
80°	0.0	0.5	1.1	1.6	2.1	2.7	3.2	3.7	4.2	4.7	5.2
77.5°	0.0	0.7	1.3	2.0	2.7	3.3	4.0	4.6	5.2	5.8	6.6
75°	0.0	0.8	1.6	2.4	3.2	4.0	4.7	5.5	6.3	7.5	8.7
72.5°	0.0	0.9	1.9	2.8	3.7	4.6	5.5	6.5	7.9	9.4	10.8
70°	0.0	1.1	2.1	3.2	4.2	5.2	6.3	7.9	9.6	11.2	12.9
67.5°	0.0	1.2	2.4	3.5	4.7	5.8	7.5	9.4	11.2	13.1	14.9
65°	0.0	1.3	2.6	3.9	5.2	6.6	8.7	10.8	12.9	14.9	18.2
62.5°	0.0	1.4	2.9	4.2	5.6	7.6	9.9	12.2	14.4	17.5	24.5
60°	0.0	1.5	3.1	4.6	6.1	8.6	11.1	13.5	16.0	23.1	30.7
57.5°	0.0	1.7	3.3	4.9	6.8	9.5	12.2	14.9	20.2	28.5	42.6
55°	0.0	1.8	3.5	5.3	7.6	10.4	13.3	16.2	24.9	35.6	57.0
52.5°	0.0	1.9	3.7	5.6	8.3	11.3	14.4	19.9	29.5	48.2	71.0
50°	0.0	2.0	4.0	5.9	9.0	12.2	15.4	23.8	35.9	60.4	89.3
47.5°	0.0	2.1	4.2	6.2	9.6	13.1	16.8	27.6	46.4	72.2	107.5
45°	0.0	2.2	4.3	6.7	10.3	13.9	19.9	31.2	56.5	87.9	125.1
42.5°	0.0	2.3	4.5	7.2	10.9	14.6	22.9	37.6	66.2	103.1	152.2
40°	0.0	2.4	4.7	7.6	11.5	15.4	25.7	45.7	76.7	117.6	179.8
37.5°	0.0	2.5	4.9	8.0	12.1	16.1	28.4	53.4	88.9	134.1	206.2
35°	0.0	2.5	5.0	8.4	12.6	17.7	31.0	60.7	100.5	156.5	235.3
32.5°	0.0	2.6	5.2	8.8	13.1	19.7	34.4	67.6	111.4	177.6	269.1
30°	0.0	2.7	5.3	9.1	13.5	21.6	39.9	74.6	121.6	197.3	300.8
27.5°	0.0	2.7	5.4	9.5	14.0	23.3	45.0	82.9	133.6	215.7	330.3
25°	0.0	2.8	5.5	9.8	14.4	24.9	49.7	90.5	148.6	237.4	357.8
22.5°	0.0	2.9	5.6	10.0	14.7	26.4	53.9	97.4	162.2	259.6	387.7
20°	0.0	2.9	5.7	10.3	15.1	27.7	57.8	103.7	174.5	279.6	414.8
17.5°	0.0	3.0	5.8	10.5	15.3	28.8	61.2	109.2	185.4	297.4	438.9
15°	0.0	3.0	5.9	10.7	15.6	29.9	64.2	114.1	194.9	312.9	459.9
12.5°	0.0	3.0	6.0	10.8	15.8	30.7	66.7	118.2	203.0	326.1	477.8
10°	0.0	3.1	6.0	11.0	16.0	31.4	68.8	121.6	209.7	337.0	492.5
7.5°	0.0	3.1	6.0	11.1	16.1	32.0	70.4	124.2	214.9	345.5	504.0
5°	0.0	3.1	6.1	11.1	16.2	32.4	71.6	126.1	218.6	351.5	512.2
2.5°	0.0	3.1	6.1	11.2	16.3	32.6	72.3	127.2	220.9	355.2	517.1
0°	0.0	3.1	6.1	11.2	16.3	32.7	72.5	127.6	221.6	356.4	518.8
-2.5°	0.0	3.1	6.1	11.2	16.3	32.6	72.3	127.2	220.9	355.2	517.1
-5°	0.0	3.1	6.1	11.1	16.2	32.4	71.6	126.1	218.6	351.5	512.2
-7.5°	0.0	3.1	6.0	11.1	16.1	32.0	70.4	124.2	214.9	345.5	504.0
-10°	0.0	3.1	6.0	11.0	16.0	31.4	68.8	121.6	209.7	337.0	492.5
-12.5°	0.0	3.0	6.0	10.8	15.8	30.7	66.7	118.2	203.0	326.1	477.8
-15°	0.0	3.0	5.9	10.7	15.6	29.9	64.2	114.1	194.9	312.9	459.9
-17.5°	0.0	3.0	5.8	10.5	15.3	28.8	61.2	109.2	185.4	297.4	438.9
-20°	0.0	2.9	5.7	10.3	15.1	27.7	57.8	103.7	174.5	279.6	414.8



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 CATALOG NUMBER: EPH-08-320N-40-70-4S-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	2.9	5.6	10.0	14.7	26.4	53.9	97.4	162.2	259.6	387.7
-25°	0.0	2.8	5.5	9.8	14.4	24.9	49.7	90.5	148.6	237.4	357.8
-27.5°	0.0	2.7	5.4	9.5	14.0	23.3	45.0	82.9	133.6	215.7	330.3
-30°	0.0	2.7	5.3	9.1	13.5	21.6	39.9	74.6	121.6	197.3	300.8
-32.5°	0.0	2.6	5.2	8.8	13.1	19.7	34.4	67.6	111.4	177.6	269.1
-35°	0.0	2.5	5.0	8.4	12.6	17.7	31.0	60.7	100.5	156.5	235.3
-37.5°	0.0	2.5	4.9	8.0	12.1	16.1	28.4	53.4	88.9	134.1	206.2
-40°	0.0	2.4	4.7	7.6	11.5	15.4	25.7	45.7	76.7	117.6	179.8
-42.5°	0.0	2.3	4.5	7.2	10.9	14.6	22.9	37.6	66.2	103.1	152.2
-45°	0.0	2.2	4.3	6.7	10.3	13.9	19.9	31.2	56.5	87.9	125.1
-47.5°	0.0	2.1	4.2	6.2	9.6	13.1	16.8	27.6	46.4	72.2	107.5
-50°	0.0	2.0	4.0	5.9	9.0	12.2	15.4	23.8	35.9	60.4	89.3
-52.5°	0.0	1.9	3.7	5.6	8.3	11.3	14.4	19.9	29.5	48.2	71.0
-55°	0.0	1.8	3.5	5.3	7.6	10.4	13.3	16.2	24.9	35.6	57.0
-57.5°	0.0	1.7	3.3	4.9	6.8	9.5	12.2	14.9	20.2	28.5	42.6
-60°	0.0	1.5	3.1	4.6	6.1	8.6	11.1	13.5	16.0	23.1	30.7
-62.5°	0.0	1.4	2.9	4.2	5.6	7.6	9.9	12.2	14.4	17.5	24.5
-65°	0.0	1.3	2.6	3.9	5.2	6.6	8.7	10.8	12.9	14.9	18.2
-67.5°	0.0	1.2	2.4	3.5	4.7	5.8	7.5	9.4	11.2	13.1	14.9
-70°	0.0	1.1	2.1	3.2	4.2	5.2	6.3	7.9	9.6	11.2	12.9
-72.5°	0.0	0.9	1.9	2.8	3.7	4.6	5.5	6.5	7.9	9.4	10.8
-75°	0.0	0.8	1.6	2.4	3.2	4.0	4.7	5.5	6.3	7.5	8.7
-77.5°	0.0	0.7	1.3	2.0	2.7	3.3	4.0	4.6	5.2	5.8	6.6
-80°	0.0	0.5	1.1	1.6	2.1	2.7	3.2	3.7	4.2	4.7	5.2
-82.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.5	3.9
-85°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.1	2.4	2.6
-87.5°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.1	1.2	1.3
-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-40-70-4S-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°	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
85°	2.9	3.1	3.3	3.5	3.7	4.0	4.2	4.3	4.5	4.7	4.9
82.5°	4.2	4.6	4.9	5.3	5.6	5.9	6.2	6.7	7.2	7.6	8.0
80°	5.6	6.1	6.8	7.6	8.3	9.0	9.6	10.3	10.9	11.5	12.1
77.5°	7.6	8.6	9.5	10.4	11.3	12.2	13.1	13.9	14.6	15.4	16.1
75°	9.9	11.1	12.2	13.3	14.4	15.4	16.8	19.9	22.9	25.7	28.4
72.5°	12.2	13.5	14.9	16.2	19.9	23.8	27.6	31.2	37.6	45.7	53.4
70°	14.4	16.0	20.2	24.9	29.5	35.9	46.4	56.5	66.2	76.7	88.9
67.5°	17.5	23.1	28.5	35.6	48.2	60.4	72.2	87.9	103.1	117.6	134.1
65°	24.5	30.7	42.6	57.0	71.0	89.3	107.5	125.1	152.2	179.8	206.2
62.5°	31.5	46.2	62.4	80.4	101.7	122.4	153.1	186.1	218.0	260.2	301.9
60°	46.2	64.2	85.4	109.2	135.9	174.5	211.9	259.6	309.6	357.8	413.0
57.5°	62.4	85.4	111.7	144.5	187.5	232.6	290.8	347.2	410.8	473.7	535.5
55°	80.4	109.2	144.5	191.8	245.1	309.7	375.8	449.1	520.0	595.8	668.3
52.5°	101.7	135.9	187.5	245.1	316.1	391.2	472.3	554.7	639.4	720.1	795.3
50°	122.4	174.5	232.6	309.7	391.2	480.1	572.2	665.8	754.3	838.3	908.2
47.5°	153.1	211.9	290.8	375.8	472.3	572.2	674.7	771.5	864.4	935.1	1001.1
45°	186.1	259.6	347.2	449.1	554.7	665.8	771.5	873.1	948.6	1018.2	1072.9
42.5°	218.0	309.6	410.8	520.0	639.4	754.3	864.4	948.6	1023.5	1083.7	1152.6
40°	260.2	357.8	473.7	595.8	720.1	838.3	935.1	1018.2	1083.7	1160.0	1241.8
37.5°	301.9	413.0	535.5	668.3	795.3	908.2	1001.1	1072.9	1152.6	1241.8	1362.1
35°	341.6	465.4	599.2	735.9	867.0	967.2	1051.3	1130.7	1226.8	1351.3	1475.6
32.5°	383.6	515.0	659.5	798.8	920.5	1019.4	1098.1	1197.1	1319.0	1455.8	1576.8
30°	426.0	566.4	715.5	858.1	969.6	1060.6	1153.2	1266.0	1414.1	1546.6	1696.5
27.5°	465.4	614.8	766.4	904.0	1013.4	1099.2	1208.4	1349.6	1496.9	1640.2	1822.3
25°	501.8	659.5	813.4	943.3	1046.5	1143.5	1265.5	1427.7	1571.9	1750.6	2426.3
22.5°	537.0	700.4	856.6	979.3	1077.0	1187.3	1332.3	1493.3	1652.5	1878.4	3115.7
20°	570.5	735.9	890.3	1010.6	1104.6	1227.1	1393.1	1552.1	1739.6	2466.6	3982.9
17.5°	600.3	767.6	917.0	1033.3	1135.9	1269.7	1446.7	1604.9	1818.0	2997.3	4877.0
15°	626.4	795.3	940.3	1053.1	1164.6	1313.8	1489.6	1666.3	2092.0	3541.8	5674.0
12.5°	648.6	818.9	960.2	1070.0	1189.2	1351.5	1526.3	1721.1	2464.4	4172.5	6482.0
10°	666.8	838.3	976.5	1084.0	1209.4	1382.7	1556.7	1766.4	2773.3	4696.6	7154.8
7.5°	681.1	853.5	989.3	1094.9	1225.3	1407.1	1580.5	1802.0	3016.2	5109.4	7685.8
5°	691.3	864.4	998.5	1102.7	1236.7	1424.7	1597.6	1827.7	3191.2	5407.1	8069.3
2.5°	697.4	870.9	1004.1	1107.4	1243.5	1435.3	1608.0	1843.1	3296.8	5587.0	8301.2
0°	699.5	873.1	1005.9	1109.0	1245.8	1438.8	1611.4	1848.3	3332.1	5647.1	8378.8
-2.5°	697.4	870.9	1004.1	1107.4	1243.5	1435.3	1608.0	1843.1	3296.8	5587.0	8301.2
-5°	691.3	864.4	998.5	1102.7	1236.7	1424.7	1597.6	1827.7	3191.2	5407.1	8069.3
-7.5°	681.1	853.5	989.3	1094.9	1225.3	1407.1	1580.5	1802.0	3016.2	5109.4	7685.8
-10°	666.8	838.3	976.5	1084.0	1209.4	1382.7	1556.7	1766.4	2773.3	4696.6	7154.8
-12.5°	648.6	818.9	960.2	1070.0	1189.2	1351.5	1526.3	1721.1	2464.4	4172.5	6482.0
-15°	626.4	795.3	940.3	1053.1	1164.6	1313.8	1489.6	1666.3	2092.0	3541.8	5674.0
-17.5°	600.3	767.6	917.0	1033.3	1135.9	1269.7	1446.7	1604.9	1818.0	2997.3	4877.0
-20°	570.5	735.9	890.3	1010.6	1104.6	1227.1	1393.1	1552.1	1739.6	2466.6	3982.9



REPORT NUMBER: P1305884 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-4S-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	537.0	700.4	856.6	979.3	1077.0	1187.3	1332.3	1493.3	1652.5	1878.4	3115.7
-25°	501.8	659.5	813.4	943.3	1046.5	1143.5	1265.5	1427.7	1571.9	1750.6	2426.3
-27.5°	465.4	614.8	766.4	904.0	1013.4	1099.2	1208.4	1349.6	1496.9	1640.2	1822.3
-30°	426.0	566.4	715.5	858.1	969.6	1060.6	1153.2	1266.0	1414.1	1546.6	1696.5
-32.5°	383.6	515.0	659.5	798.8	920.5	1019.4	1098.1	1197.1	1319.0	1455.8	1576.8
-35°	341.6	465.4	599.2	735.9	867.0	967.2	1051.3	1130.7	1226.8	1351.3	1475.6
-37.5°	301.9	413.0	535.5	668.3	795.3	908.2	1001.1	1072.9	1152.6	1241.8	1362.1
-40°	260.2	357.8	473.7	595.8	720.1	838.3	935.1	1018.2	1083.7	1160.0	1241.8
-42.5°	218.0	309.6	410.8	520.0	639.4	754.3	864.4	948.6	1023.5	1083.7	1152.6
-45°	186.1	259.6	347.2	449.1	554.7	665.8	771.5	873.1	948.6	1018.2	1072.9
-47.5°	153.1	211.9	290.8	375.8	472.3	572.2	674.7	771.5	864.4	935.1	1001.1
-50°	122.4	174.5	232.6	309.7	391.2	480.1	572.2	665.8	754.3	838.3	908.2
-52.5°	101.7	135.9	187.5	245.1	316.1	391.2	472.3	554.7	639.4	720.1	795.3
-55°	80.4	109.2	144.5	191.8	245.1	309.7	375.8	449.1	520.0	595.8	668.3
-57.5°	62.4	85.4	111.7	144.5	187.5	232.6	290.8	347.2	410.8	473.7	535.5
-60°	46.2	64.2	85.4	109.2	135.9	174.5	211.9	259.6	309.6	357.8	413.0
-62.5°	31.5	46.2	62.4	80.4	101.7	122.4	153.1	186.1	218.0	260.2	301.9
-65°	24.5	30.7	42.6	57.0	71.0	89.3	107.5	125.1	152.2	179.8	206.2
-67.5°	17.5	23.1	28.5	35.6	48.2	60.4	72.2	87.9	103.1	117.6	134.1
-70°	14.4	16.0	20.2	24.9	29.5	35.9	46.4	56.5	66.2	76.7	88.9
-72.5°	12.2	13.5	14.9	16.2	19.9	23.8	27.6	31.2	37.6	45.7	53.4
-75°	9.9	11.1	12.2	13.3	14.4	15.4	16.8	19.9	22.9	25.7	28.4
-77.5°	7.6	8.6	9.5	10.4	11.3	12.2	13.1	13.9	14.6	15.4	16.1
-80°	5.6	6.1	6.8	7.6	8.3	9.0	9.6	10.3	10.9	11.5	12.1
-82.5°	4.2	4.6	4.9	5.3	5.6	5.9	6.2	6.7	7.2	7.6	8.0
-85°	2.9	3.1	3.3	3.5	3.7	4.0	4.2	4.3	4.5	4.7	4.9
-87.5°	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
-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: P1305884 (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°	2.5	2.6	2.7	2.7	2.8	2.9	2.9	3.0	3.0	3.0	3.1
85°	5.0	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.0
82.5°	8.4	8.8	9.1	9.5	9.8	10.0	10.3	10.5	10.7	10.8	11.0
80°	12.6	13.1	13.5	14.0	14.4	14.7	15.1	15.3	15.6	15.8	16.0
77.5°	17.7	19.7	21.6	23.3	24.9	26.4	27.7	28.8	29.9	30.7	31.4
75°	31.0	34.4	39.9	45.0	49.7	53.9	57.8	61.2	64.2	66.7	68.8
72.5°	60.7	67.6	74.6	82.9	90.5	97.4	103.7	109.2	114.1	118.2	121.6
70°	100.5	111.4	121.6	133.6	148.6	162.2	174.5	185.4	194.9	203.0	209.7
67.5°	156.5	177.6	197.3	215.7	237.4	259.6	279.6	297.4	312.9	326.1	337.0
65°	235.3	269.1	300.8	330.3	357.8	387.7	414.8	438.9	459.9	477.8	492.5
62.5°	341.6	383.6	426.0	465.4	501.8	537.0	570.5	600.3	626.4	648.6	666.8
60°	465.4	515.0	566.4	614.8	659.5	700.4	735.9	767.6	795.3	818.9	838.3
57.5°	599.2	659.5	715.5	766.4	813.4	856.6	890.3	917.0	940.3	960.2	976.5
55°	735.9	798.8	858.1	904.0	943.3	979.3	1010.6	1033.3	1053.1	1070.0	1084.0
52.5°	867.0	920.5	969.6	1013.4	1046.5	1077.0	1104.6	1135.9	1164.6	1189.2	1209.4
50°	967.2	1019.4	1060.6	1099.2	1143.5	1187.3	1227.1	1269.7	1313.8	1351.5	1382.7
47.5°	1051.3	1098.1	1153.2	1208.4	1265.5	1332.3	1393.1	1446.7	1489.6	1526.3	1556.7
45°	1130.7	1197.1	1266.0	1349.6	1427.7	1493.3	1552.1	1604.9	1666.3	1721.1	1766.4
42.5°	1226.8	1319.0	1414.1	1496.9	1571.9	1652.5	1739.6	1818.0	2092.0	2464.4	2773.3
40°	1351.3	1455.8	1546.6	1640.2	1750.6	1878.4	2466.6	2997.3	3541.8	4172.5	4696.6
37.5°	1475.6	1576.8	1696.5	1822.3	2426.3	3115.7	3982.9	4877.0	5674.0	6482.0	7154.8
35°	1586.9	1725.0	1959.1	2799.0	3736.4	4890.3	6009.4	7148.6	8162.0	9106.6	9913.6
32.5°	1725.0	2051.0	2987.7	4189.4	5509.3	6943.7	8294.1	9640.1	10849.4	11975.1	12983.4
30°	1959.1	2987.7	4341.8	5854.9	7515.7	9148.9	10747.8	12330.2	13832.1	15193.6	16475.6
27.5°	2799.0	4189.4	5854.9	7708.3	9587.7	11433.9	13401.8	15272.8	17169.0	18832.3	20544.2
25°	3736.4	5509.3	7515.7	9587.7	11696.7	13948.0	16261.8	18534.9	20980.8	23198.2	25854.8
22.5°	4890.3	6943.7	9148.9	11433.9	13948.0	16596.2	19320.2	22314.3	25800.3	29613.7	33459.3
20°	6009.4	8294.1	10747.8	13401.8	16261.8	19320.2	22766.5	27293.5	32187.2	38017.4	43361.2
17.5°	7148.6	9640.1	12330.2	15272.8	18534.9	22314.3	27293.5	33301.6	40380.5	48272.9	55628.6
15°	8162.0	10849.4	13832.1	17169.0	20980.8	25800.3	32187.2	40380.5	49957.6	60208.9	70957.0
12.5°	9106.6	11975.1	15193.6	18832.3	23198.2	29613.7	38017.4	48272.9	60208.9	73567.5	83451.9
10°	9913.6	12983.4	16475.6	20544.2	25854.8	33459.3	43361.2	55628.6	70957.0	83451.9	93635.7
7.5°	10552.0	13783.1	17495.9	21913.7	28230.8	37134.3	48751.7	63428.6	78883.4	91403.4	101416.1
5°	11013.9	14363.1	18237.8	22913.1	29972.3	39843.7	52756.6	69385.1	84424.0	96856.2	106965.1
2.5°	11293.6	14714.8	18688.5	23521.6	31036.2	41505.9	55227.8	73090.8	87912.6	100202.2	110519.5
0°	11387.2	14832.6	18839.7	23726.0	31394.1	42066.4	56063.7	74349.9	89106.0	101311.6	111776.1
-2.5°	11293.6	14714.8	18688.5	23521.6	31036.2	41505.9	55227.8	73090.8	87912.6	100202.2	110519.5
-5°	11013.9	14363.1	18237.8	22913.1	29972.3	39843.7	52756.6	69385.1	84424.0	96856.2	106965.1
-7.5°	10552.0	13783.1	17495.9	21913.7	28230.8	37134.3	48751.7	63428.6	78883.4	91403.4	101416.1
-10°	9913.6	12983.4	16475.6	20544.2	25854.8	33459.3	43361.2	55628.6	70957.0	83451.9	93635.7
-12.5°	9106.6	11975.1	15193.6	18832.3	23198.2	29613.7	38017.4	48272.9	60208.9	73567.5	83451.9
-15°	8162.0	10849.4	13832.1	17169.0	20980.8	25800.3	32187.2	40380.5	49957.6	60208.9	70957.0
-17.5°	7148.6	9640.1	12330.2	15272.8	18534.9	22314.3	27293.5	33301.6	40380.5	48272.9	55628.6
-20°	6009.4	8294.1	10747.8	13401.8	16261.8	19320.2	22766.5	27293.5	32187.2	38017.4	43361.2



REPORT NUMBER: P1305884 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-4S-HEG-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	4890.3	6943.7	9148.9	11433.9	13948.0	16596.2	19320.2	22314.3	25800.3	29613.7	33459.3
-25°	3736.4	5509.3	7515.7	9587.7	11696.7	13948.0	16261.8	18534.9	20980.8	23198.2	25854.8
-27.5°	2799.0	4189.4	5854.9	7708.3	9587.7	11433.9	13401.8	15272.8	17169.0	18832.3	20544.2
-30°	1959.1	2987.7	4341.8	5854.9	7515.7	9148.9	10747.8	12330.2	13832.1	15193.6	16475.6
-32.5°	1725.0	2051.0	2987.7	4189.4	5509.3	6943.7	8294.1	9640.1	10849.4	11975.1	12983.4
-35°	1586.9	1725.0	1959.1	2799.0	3736.4	4890.3	6009.4	7148.6	8162.0	9106.6	9913.6
-37.5°	1475.6	1576.8	1696.5	1822.3	2426.3	3115.7	3982.9	4877.0	5674.0	6482.0	7154.8
-40°	1351.3	1455.8	1546.6	1640.2	1750.6	1878.4	2466.6	2997.3	3541.8	4172.5	4696.6
-42.5°	1226.8	1319.0	1414.1	1496.9	1571.9	1652.5	1739.6	1818.0	2092.0	2464.4	2773.3
-45°	1130.7	1197.1	1266.0	1349.6	1427.7	1493.3	1552.1	1604.9	1666.3	1721.1	1766.4
-47.5°	1051.3	1098.1	1153.2	1208.4	1265.5	1332.3	1393.1	1446.7	1489.6	1526.3	1556.7
-50°	967.2	1019.4	1060.6	1099.2	1143.5	1187.3	1227.1	1269.7	1313.8	1351.5	1382.7
-52.5°	867.0	920.5	969.6	1013.4	1046.5	1077.0	1104.6	1135.9	1164.6	1189.2	1209.4
-55°	735.9	798.8	858.1	904.0	943.3	979.3	1010.6	1033.3	1053.1	1070.0	1084.0
-57.5°	599.2	659.5	715.5	766.4	813.4	856.6	890.3	917.0	940.3	960.2	976.5
-60°	465.4	515.0	566.4	614.8	659.5	700.4	735.9	767.6	795.3	818.9	838.3
-62.5°	341.6	383.6	426.0	465.4	501.8	537.0	570.5	600.3	626.4	648.6	666.8
-65°	235.3	269.1	300.8	330.3	357.8	387.7	414.8	438.9	459.9	477.8	492.5
-67.5°	156.5	177.6	197.3	215.7	237.4	259.6	279.6	297.4	312.9	326.1	337.0
-70°	100.5	111.4	121.6	133.6	148.6	162.2	174.5	185.4	194.9	203.0	209.7
-72.5°	60.7	67.6	74.6	82.9	90.5	97.4	103.7	109.2	114.1	118.2	121.6
-75°	31.0	34.4	39.9	45.0	49.7	53.9	57.8	61.2	64.2	66.7	68.8
-77.5°	17.7	19.7	21.6	23.3	24.9	26.4	27.7	28.8	29.9	30.7	31.4
-80°	12.6	13.1	13.5	14.0	14.4	14.7	15.1	15.3	15.6	15.8	16.0
-82.5°	8.4	8.8	9.1	9.5	9.8	10.0	10.3	10.5	10.7	10.8	11.0
-85°	5.0	5.2	5.3	5.4	5.5	5.6	5.7	5.8	5.9	6.0	6.0
-87.5°	2.5	2.6	2.7	2.7	2.8	2.9	2.9	3.0	3.0	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: P1305884 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-4S-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°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0
85°	6.0	6.1	6.1	6.1	6.1	6.1	6.0	6.0	6.0	5.9	5.8
82.5°	11.1	11.1	11.2	11.2	11.2	11.1	11.1	11.0	10.8	10.7	10.5
80°	16.1	16.2	16.3	16.3	16.3	16.2	16.1	16.0	15.8	15.6	15.3
77.5°	32.0	32.4	32.6	32.7	32.6	32.4	32.0	31.4	30.7	29.9	28.8
75°	70.4	71.6	72.3	72.5	72.3	71.6	70.4	68.8	66.7	64.2	61.2
72.5°	124.2	126.1	127.2	127.6	127.2	126.1	124.2	121.6	118.2	114.1	109.2
70°	214.9	218.6	220.9	221.6	220.9	218.6	214.9	209.7	203.0	194.9	185.4
67.5°	345.5	351.5	355.2	356.4	355.2	351.5	345.5	337.0	326.1	312.9	297.4
65°	504.0	512.2	517.1	518.8	517.1	512.2	504.0	492.5	477.8	459.9	438.9
62.5°	681.1	691.3	697.4	699.5	697.4	691.3	681.1	666.8	648.6	626.4	600.3
60°	853.5	864.4	870.9	873.1	870.9	864.4	853.5	838.3	818.9	795.3	767.6
57.5°	989.3	998.5	1004.1	1005.9	1004.1	998.5	989.3	976.5	960.2	940.3	917.0
55°	1094.9	1102.7	1107.4	1109.0	1107.4	1102.7	1094.9	1084.0	1070.0	1053.1	1033.3
52.5°	1225.3	1236.7	1243.5	1245.8	1243.5	1236.7	1225.3	1209.4	1189.2	1164.6	1135.9
50°	1407.1	1424.7	1435.3	1438.8	1435.3	1424.7	1407.1	1382.7	1351.5	1313.8	1269.7
47.5°	1580.5	1597.6	1608.0	1611.4	1608.0	1597.6	1580.5	1556.7	1526.3	1489.6	1446.7
45°	1802.0	1827.7	1843.1	1848.3	1843.1	1827.7	1802.0	1766.4	1721.1	1666.3	1604.9
42.5°	3016.2	3191.2	3296.8	3332.1	3296.8	3191.2	3016.2	2773.3	2464.4	2092.0	1818.0
40°	5109.4	5407.1	5587.0	5647.1	5587.0	5407.1	5109.4	4696.6	4172.5	3541.8	2997.3
37.5°	7685.8	8069.3	8301.2	8378.8	8301.2	8069.3	7685.8	7154.8	6482.0	5674.0	4877.0
35°	10552.0	11013.9	11293.6	11387.2	11293.6	11013.9	10552.0	9913.6	9106.6	8162.0	7148.6
32.5°	13783.1	14363.1	14714.8	14832.6	14714.8	14363.1	13783.1	12983.4	11975.1	10849.4	9640.1
30°	17495.9	18237.8	18688.5	18839.7	18688.5	18237.8	17495.9	16475.6	15193.6	13832.1	12330.2
27.5°	21913.7	22913.1	23521.6	23726.0	23521.6	22913.1	21913.7	20544.2	18832.3	17169.0	15272.8
25°	28230.8	29972.3	31036.2	31394.1	31036.2	29972.3	28230.8	25854.8	23198.2	20980.8	18534.9
22.5°	37134.3	39843.7	41505.9	42066.4	41505.9	39843.7	37134.3	33459.3	29613.7	25800.3	22314.3
20°	48751.7	52756.6	55227.8	56063.7	55227.8	52756.6	48751.7	43361.2	38017.4	32187.2	27293.5
17.5°	63428.6	69385.1	73090.8	74349.9	73090.8	69385.1	63428.6	55628.6	48272.9	40380.5	33301.6
15°	78883.4	84424.0	87912.6	89106.0	87912.6	84424.0	78883.4	70957.0	60208.9	49957.6	40380.5
12.5°	91403.4	96856.2	100202.2	101311.6	100202.2	96856.2	91403.4	83451.9	73567.5	60208.9	48272.9
10°	101416.1	106965.1	110519.5	111776.1	110519.5	106965.1	101416.1	93635.7	83451.9	70957.0	55628.6
7.5°	109336.8	115600.0	119393.6	120743.6	119393.6	115600.0	109336.8	101416.1	91403.4	78883.4	63428.6
5°	115600.0	122194.0	126684.0	128264.0	126684.0	122194.0	115600.0	106965.1	96856.2	84424.0	69385.1
2.5°	119393.6	126684.0	131021.4	132267.6	131021.4	126684.0	119393.6	110519.5	100202.2	87912.6	73090.8
0°	120743.6	128264.0	132267.6	132834.8	132267.6	128264.0	120743.6	111776.1	101311.6	89106.0	74349.9
-2.5°	119393.6	126684.0	131021.4	132267.6	131021.4	126684.0	119393.6	110519.5	100202.2	87912.6	73090.8
-5°	115600.0	122194.0	126684.0	128264.0	126684.0	122194.0	115600.0	106965.1	96856.2	84424.0	69385.1
-7.5°	109336.8	115600.0	119393.6	120743.6	119393.6	115600.0	109336.8	101416.1	91403.4	78883.4	63428.6
-10°	101416.1	106965.1	110519.5	111776.1	110519.5	106965.1	101416.1	93635.7	83451.9	70957.0	55628.6
-12.5°	91403.4	96856.2	100202.2	101311.6	100202.2	96856.2	91403.4	83451.9	73567.5	60208.9	48272.9
-15°	78883.4	84424.0	87912.6	89106.0	87912.6	84424.0	78883.4	70957.0	60208.9	49957.6	40380.5
-17.5°	63428.6	69385.1	73090.8	74349.9	73090.8	69385.1	63428.6	55628.6	48272.9	40380.5	33301.6
-20°	48751.7	52756.6	55227.8	56063.7	55227.8	52756.6	48751.7	43361.2	38017.4	32187.2	27293.5



REPORT NUMBER: P1305884 (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°	37134.3	39843.7	41505.9	42066.4	41505.9	39843.7	37134.3	33459.3	29613.7	25800.3	22314.3
-25°	28230.8	29972.3	31036.2	31394.1	31036.2	29972.3	28230.8	25854.8	23198.2	20980.8	18534.9
-27.5°	21913.7	22913.1	23521.6	23726.0	23521.6	22913.1	21913.7	20544.2	18832.3	17169.0	15272.8
-30°	17495.9	18237.8	18688.5	18839.7	18688.5	18237.8	17495.9	16475.6	15193.6	13832.1	12330.2
-32.5°	13783.1	14363.1	14714.8	14832.6	14714.8	14363.1	13783.1	12983.4	11975.1	10849.4	9640.1
-35°	10552.0	11013.9	11293.6	11387.2	11293.6	11013.9	10552.0	9913.6	9106.6	8162.0	7148.6
-37.5°	7685.8	8069.3	8301.2	8378.8	8301.2	8069.3	7685.8	7154.8	6482.0	5674.0	4877.0
-40°	5109.4	5407.1	5587.0	5647.1	5587.0	5407.1	5109.4	4696.6	4172.5	3541.8	2997.3
-42.5°	3016.2	3191.2	3296.8	3332.1	3296.8	3191.2	3016.2	2773.3	2464.4	2092.0	1818.0
-45°	1802.0	1827.7	1843.1	1848.3	1843.1	1827.7	1802.0	1766.4	1721.1	1666.3	1604.9
-47.5°	1580.5	1597.6	1608.0	1611.4	1608.0	1597.6	1580.5	1556.7	1526.3	1489.6	1446.7
-50°	1407.1	1424.7	1435.3	1438.8	1435.3	1424.7	1407.1	1382.7	1351.5	1313.8	1269.7
-52.5°	1225.3	1236.7	1243.5	1245.8	1243.5	1236.7	1225.3	1209.4	1189.2	1164.6	1135.9
-55°	1094.9	1102.7	1107.4	1109.0	1107.4	1102.7	1094.9	1084.0	1070.0	1053.1	1033.3
-57.5°	989.3	998.5	1004.1	1005.9	1004.1	998.5	989.3	976.5	960.2	940.3	917.0
-60°	853.5	864.4	870.9	873.1	870.9	864.4	853.5	838.3	818.9	795.3	767.6
-62.5°	681.1	691.3	697.4	699.5	697.4	691.3	681.1	666.8	648.6	626.4	600.3
-65°	504.0	512.2	517.1	518.8	517.1	512.2	504.0	492.5	477.8	459.9	438.9
-67.5°	345.5	351.5	355.2	356.4	355.2	351.5	345.5	337.0	326.1	312.9	297.4
-70°	214.9	218.6	220.9	221.6	220.9	218.6	214.9	209.7	203.0	194.9	185.4
-72.5°	124.2	126.1	127.2	127.6	127.2	126.1	124.2	121.6	118.2	114.1	109.2
-75°	70.4	71.6	72.3	72.5	72.3	71.6	70.4	68.8	66.7	64.2	61.2
-77.5°	32.0	32.4	32.6	32.7	32.6	32.4	32.0	31.4	30.7	29.9	28.8
-80°	16.1	16.2	16.3	16.3	16.3	16.2	16.1	16.0	15.8	15.6	15.3
-82.5°	11.1	11.1	11.2	11.2	11.2	11.1	11.1	11.0	10.8	10.7	10.5
-85°	6.0	6.1	6.1	6.1	6.1	6.1	6.0	6.0	6.0	5.9	5.8
-87.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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°	2.9	2.9	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.2
85°	5.7	5.6	5.5	5.4	5.3	5.2	5.0	4.9	4.7	4.5	4.3
82.5°	10.3	10.0	9.8	9.5	9.1	8.8	8.4	8.0	7.6	7.2	6.7
80°	15.1	14.7	14.4	14.0	13.5	13.1	12.6	12.1	11.5	10.9	10.3
77.5°	27.7	26.4	24.9	23.3	21.6	19.7	17.7	16.1	15.4	14.6	13.9
75°	57.8	53.9	49.7	45.0	39.9	34.4	31.0	28.4	25.7	22.9	19.9
72.5°	103.7	97.4	90.5	82.9	74.6	67.6	60.7	53.4	45.7	37.6	31.2
70°	174.5	162.2	148.6	133.6	121.6	111.4	100.5	88.9	76.7	66.2	56.5
67.5°	279.6	259.6	237.4	215.7	197.3	177.6	156.5	134.1	117.6	103.1	87.9
65°	414.8	387.7	357.8	330.3	300.8	269.1	235.3	206.2	179.8	152.2	125.1
62.5°	570.5	537.0	501.8	465.4	426.0	383.6	341.6	301.9	260.2	218.0	186.1
60°	735.9	700.4	659.5	614.8	566.4	515.0	465.4	413.0	357.8	309.6	259.6
57.5°	890.3	856.6	813.4	766.4	715.5	659.5	599.2	535.5	473.7	410.8	347.2
55°	1010.6	979.3	943.3	904.0	858.1	798.8	735.9	668.3	595.8	520.0	449.1
52.5°	1104.6	1077.0	1046.5	1013.4	969.6	920.5	867.0	795.3	720.1	639.4	554.7
50°	1227.1	1187.3	1143.5	1099.2	1060.6	1019.4	967.2	908.2	838.3	754.3	665.8
47.5°	1393.1	1332.3	1265.5	1208.4	1153.2	1098.1	1051.3	1001.1	935.1	864.4	771.5
45°	1552.1	1493.3	1427.7	1349.6	1266.0	1197.1	1130.7	1072.9	1018.2	948.6	873.1
42.5°	1739.6	1652.5	1571.9	1496.9	1414.1	1319.0	1226.8	1152.6	1083.7	1023.5	948.6
40°	2466.6	1878.4	1750.6	1640.2	1546.6	1455.8	1351.3	1241.8	1160.0	1083.7	1018.2
37.5°	3982.9	3115.7	2426.3	1822.3	1696.5	1576.8	1475.6	1362.1	1241.8	1152.6	1072.9
35°	6009.4	4890.3	3736.4	2799.0	1959.1	1725.0	1586.9	1475.6	1351.3	1226.8	1130.7
32.5°	8294.1	6943.7	5509.3	4189.4	2987.7	2051.0	1725.0	1576.8	1455.8	1319.0	1197.1
30°	10747.8	9148.9	7515.7	5854.9	4341.8	2987.7	1959.1	1696.5	1546.6	1414.1	1266.0
27.5°	13401.8	11433.9	9587.7	7708.3	5854.9	4189.4	2799.0	1822.3	1640.2	1496.9	1349.6
25°	16261.8	13948.0	11696.7	9587.7	7515.7	5509.3	3736.4	2426.3	1750.6	1571.9	1427.7
22.5°	19320.2	16596.2	13948.0	11433.9	9148.9	6943.7	4890.3	3115.7	1878.4	1652.5	1493.3
20°	22766.5	19320.2	16261.8	13401.8	10747.8	8294.1	6009.4	3982.9	2466.6	1739.6	1552.1
17.5°	27293.5	22314.3	18534.9	15272.8	12330.2	9640.1	7148.6	4877.0	2997.3	1818.0	1604.9
15°	32187.2	25800.3	20980.8	17169.0	13832.1	10849.4	8162.0	5674.0	3541.8	2092.0	1666.3
12.5°	38017.4	29613.7	23198.2	18832.3	15193.6	11975.1	9106.6	6482.0	4172.5	2464.4	1721.1
10°	43361.2	33459.3	25854.8	20544.2	16475.6	12983.4	9913.6	7154.8	4696.6	2773.3	1766.4
7.5°	48751.7	37134.3	28230.8	21913.7	17495.9	13783.1	10552.0	7685.8	5109.4	3016.2	1802.0
5°	52756.6	39843.7	29972.3	22913.1	18237.8	14363.1	11013.9	8069.3	5407.1	3191.2	1827.7
2.5°	55227.8	41505.9	31036.2	23521.6	18688.5	14714.8	11293.6	8301.2	5587.0	3296.8	1843.1
0°	56063.7	42066.4	31394.1	23726.0	18839.7	14832.6	11387.2	8378.8	5647.1	3332.1	1848.3
-2.5°	55227.8	41505.9	31036.2	23521.6	18688.5	14714.8	11293.6	8301.2	5587.0	3296.8	1843.1
-5°	52756.6	39843.7	29972.3	22913.1	18237.8	14363.1	11013.9	8069.3	5407.1	3191.2	1827.7
-7.5°	48751.7	37134.3	28230.8	21913.7	17495.9	13783.1	10552.0	7685.8	5109.4	3016.2	1802.0
-10°	43361.2	33459.3	25854.8	20544.2	16475.6	12983.4	9913.6	7154.8	4696.6	2773.3	1766.4
-12.5°	38017.4	29613.7	23198.2	18832.3	15193.6	11975.1	9106.6	6482.0	4172.5	2464.4	1721.1
-15°	32187.2	25800.3	20980.8	17169.0	13832.1	10849.4	8162.0	5674.0	3541.8	2092.0	1666.3
-17.5°	27293.5	22314.3	18534.9	15272.8	12330.2	9640.1	7148.6	4877.0	2997.3	1818.0	1604.9
-20°	22766.5	19320.2	16261.8	13401.8	10747.8	8294.1	6009.4	3982.9	2466.6	1739.6	1552.1



REPORT NUMBER: P1305884 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-4S-HEG-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	19320.2	16596.2	13948.0	11433.9	9148.9	6943.7	4890.3	3115.7	1878.4	1652.5	1493.3
-25°	16261.8	13948.0	11696.7	9587.7	7515.7	5509.3	3736.4	2426.3	1750.6	1571.9	1427.7
-27.5°	13401.8	11433.9	9587.7	7708.3	5854.9	4189.4	2799.0	1822.3	1640.2	1496.9	1349.6
-30°	10747.8	9148.9	7515.7	5854.9	4341.8	2987.7	1959.1	1696.5	1546.6	1414.1	1266.0
-32.5°	8294.1	6943.7	5509.3	4189.4	2987.7	2051.0	1725.0	1576.8	1455.8	1319.0	1197.1
-35°	6009.4	4890.3	3736.4	2799.0	1959.1	1725.0	1586.9	1475.6	1351.3	1226.8	1130.7
-37.5°	3982.9	3115.7	2426.3	1822.3	1696.5	1576.8	1475.6	1362.1	1241.8	1152.6	1072.9
-40°	2466.6	1878.4	1750.6	1640.2	1546.6	1455.8	1351.3	1241.8	1160.0	1083.7	1018.2
-42.5°	1739.6	1652.5	1571.9	1496.9	1414.1	1319.0	1226.8	1152.6	1083.7	1023.5	948.6
-45°	1552.1	1493.3	1427.7	1349.6	1266.0	1197.1	1130.7	1072.9	1018.2	948.6	873.1
-47.5°	1393.1	1332.3	1265.5	1208.4	1153.2	1098.1	1051.3	1001.1	935.1	864.4	771.5
-50°	1227.1	1187.3	1143.5	1099.2	1060.6	1019.4	967.2	908.2	838.3	754.3	665.8
-52.5°	1104.6	1077.0	1046.5	1013.4	969.6	920.5	867.0	795.3	720.1	639.4	554.7
-55°	1010.6	979.3	943.3	904.0	858.1	798.8	735.9	668.3	595.8	520.0	449.1
-57.5°	890.3	856.6	813.4	766.4	715.5	659.5	599.2	535.5	473.7	410.8	347.2
-60°	735.9	700.4	659.5	614.8	566.4	515.0	465.4	413.0	357.8	309.6	259.6
-62.5°	570.5	537.0	501.8	465.4	426.0	383.6	341.6	301.9	260.2	218.0	186.1
-65°	414.8	387.7	357.8	330.3	300.8	269.1	235.3	206.2	179.8	152.2	125.1
-67.5°	279.6	259.6	237.4	215.7	197.3	177.6	156.5	134.1	117.6	103.1	87.9
-70°	174.5	162.2	148.6	133.6	121.6	111.4	100.5	88.9	76.7	66.2	56.5
-72.5°	103.7	97.4	90.5	82.9	74.6	67.6	60.7	53.4	45.7	37.6	31.2
-75°	57.8	53.9	49.7	45.0	39.9	34.4	31.0	28.4	25.7	22.9	19.9
-77.5°	27.7	26.4	24.9	23.3	21.6	19.7	17.7	16.1	15.4	14.6	13.9
-80°	15.1	14.7	14.4	14.0	13.5	13.1	12.6	12.1	11.5	10.9	10.3
-82.5°	10.3	10.0	9.8	9.5	9.1	8.8	8.4	8.0	7.6	7.2	6.7
-85°	5.7	5.6	5.5	5.4	5.3	5.2	5.0	4.9	4.7	4.5	4.3
-87.5°	2.9	2.9	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.2
-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: P1305884 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-4S-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°	2.1	2.0	1.9	1.8	1.7	1.5	1.4	1.3	1.2	1.1	0.9
85°	4.2	4.0	3.7	3.5	3.3	3.1	2.9	2.6	2.4	2.1	1.9
82.5°	6.2	5.9	5.6	5.3	4.9	4.6	4.2	3.9	3.5	3.2	2.8
80°	9.6	9.0	8.3	7.6	6.8	6.1	5.6	5.2	4.7	4.2	3.7
77.5°	13.1	12.2	11.3	10.4	9.5	8.6	7.6	6.6	5.8	5.2	4.6
75°	16.8	15.4	14.4	13.3	12.2	11.1	9.9	8.7	7.5	6.3	5.5
72.5°	27.6	23.8	19.9	16.2	14.9	13.5	12.2	10.8	9.4	7.9	6.5
70°	46.4	35.9	29.5	24.9	20.2	16.0	14.4	12.9	11.2	9.6	7.9
67.5°	72.2	60.4	48.2	35.6	28.5	23.1	17.5	14.9	13.1	11.2	9.4
65°	107.5	89.3	71.0	57.0	42.6	30.7	24.5	18.2	14.9	12.9	10.8
62.5°	153.1	122.4	101.7	80.4	62.4	46.2	31.5	24.5	17.5	14.4	12.2
60°	211.9	174.5	135.9	109.2	85.4	64.2	46.2	30.7	23.1	16.0	13.5
57.5°	290.8	232.6	187.5	144.5	111.7	85.4	62.4	42.6	28.5	20.2	14.9
55°	375.8	309.7	245.1	191.8	144.5	109.2	80.4	57.0	35.6	24.9	16.2
52.5°	472.3	391.2	316.1	245.1	187.5	135.9	101.7	71.0	48.2	29.5	19.9
50°	572.2	480.1	391.2	309.7	232.6	174.5	122.4	89.3	60.4	35.9	23.8
47.5°	674.7	572.2	472.3	375.8	290.8	211.9	153.1	107.5	72.2	46.4	27.6
45°	771.5	665.8	554.7	449.1	347.2	259.6	186.1	125.1	87.9	56.5	31.2
42.5°	864.4	754.3	639.4	520.0	410.8	309.6	218.0	152.2	103.1	66.2	37.6
40°	935.1	838.3	720.1	595.8	473.7	357.8	260.2	179.8	117.6	76.7	45.7
37.5°	1001.1	908.2	795.3	668.3	535.5	413.0	301.9	206.2	134.1	88.9	53.4
35°	1051.3	967.2	867.0	735.9	599.2	465.4	341.6	235.3	156.5	100.5	60.7
32.5°	1098.1	1019.4	920.5	798.8	659.5	515.0	383.6	269.1	177.6	111.4	67.6
30°	1153.2	1060.6	969.6	858.1	715.5	566.4	426.0	300.8	197.3	121.6	74.6
27.5°	1208.4	1099.2	1013.4	904.0	766.4	614.8	465.4	330.3	215.7	133.6	82.9
25°	1265.5	1143.5	1046.5	943.3	813.4	659.5	501.8	357.8	237.4	148.6	90.5
22.5°	1332.3	1187.3	1077.0	979.3	856.6	700.4	537.0	387.7	259.6	162.2	97.4
20°	1393.1	1227.1	1104.6	1010.6	890.3	735.9	570.5	414.8	279.6	174.5	103.7
17.5°	1446.7	1269.7	1135.9	1033.3	917.0	767.6	600.3	438.9	297.4	185.4	109.2
15°	1489.6	1313.8	1164.6	1053.1	940.3	795.3	626.4	459.9	312.9	194.9	114.1
12.5°	1526.3	1351.5	1189.2	1070.0	960.2	818.9	648.6	477.8	326.1	203.0	118.2
10°	1556.7	1382.7	1209.4	1084.0	976.5	838.3	666.8	492.5	337.0	209.7	121.6
7.5°	1580.5	1407.1	1225.3	1094.9	989.3	853.5	681.1	504.0	345.5	214.9	124.2
5°	1597.6	1424.7	1236.7	1102.7	998.5	864.4	691.3	512.2	351.5	218.6	126.1
2.5°	1608.0	1435.3	1243.5	1107.4	1004.1	870.9	697.4	517.1	355.2	220.9	127.2
0°	1611.4	1438.8	1245.8	1109.0	1005.9	873.1	699.5	518.8	356.4	221.6	127.6
-2.5°	1608.0	1435.3	1243.5	1107.4	1004.1	870.9	697.4	517.1	355.2	220.9	127.2
-5°	1597.6	1424.7	1236.7	1102.7	998.5	864.4	691.3	512.2	351.5	218.6	126.1
-7.5°	1580.5	1407.1	1225.3	1094.9	989.3	853.5	681.1	504.0	345.5	214.9	124.2
-10°	1556.7	1382.7	1209.4	1084.0	976.5	838.3	666.8	492.5	337.0	209.7	121.6
-12.5°	1526.3	1351.5	1189.2	1070.0	960.2	818.9	648.6	477.8	326.1	203.0	118.2
-15°	1489.6	1313.8	1164.6	1053.1	940.3	795.3	626.4	459.9	312.9	194.9	114.1
-17.5°	1446.7	1269.7	1135.9	1033.3	917.0	767.6	600.3	438.9	297.4	185.4	109.2
-20°	1393.1	1227.1	1104.6	1010.6	890.3	735.9	570.5	414.8	279.6	174.5	103.7



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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°	1332.3	1187.3	1077.0	979.3	856.6	700.4	537.0	387.7	259.6	162.2	97.4
-25°	1265.5	1143.5	1046.5	943.3	813.4	659.5	501.8	357.8	237.4	148.6	90.5
-27.5°	1208.4	1099.2	1013.4	904.0	766.4	614.8	465.4	330.3	215.7	133.6	82.9
-30°	1153.2	1060.6	969.6	858.1	715.5	566.4	426.0	300.8	197.3	121.6	74.6
-32.5°	1098.1	1019.4	920.5	798.8	659.5	515.0	383.6	269.1	177.6	111.4	67.6
-35°	1051.3	967.2	867.0	735.9	599.2	465.4	341.6	235.3	156.5	100.5	60.7
-37.5°	1001.1	908.2	795.3	668.3	535.5	413.0	301.9	206.2	134.1	88.9	53.4
-40°	935.1	838.3	720.1	595.8	473.7	357.8	260.2	179.8	117.6	76.7	45.7
-42.5°	864.4	754.3	639.4	520.0	410.8	309.6	218.0	152.2	103.1	66.2	37.6
-45°	771.5	665.8	554.7	449.1	347.2	259.6	186.1	125.1	87.9	56.5	31.2
-47.5°	674.7	572.2	472.3	375.8	290.8	211.9	153.1	107.5	72.2	46.4	27.6
-50°	572.2	480.1	391.2	309.7	232.6	174.5	122.4	89.3	60.4	35.9	23.8
-52.5°	472.3	391.2	316.1	245.1	187.5	135.9	101.7	71.0	48.2	29.5	19.9
-55°	375.8	309.7	245.1	191.8	144.5	109.2	80.4	57.0	35.6	24.9	16.2
-57.5°	290.8	232.6	187.5	144.5	111.7	85.4	62.4	42.6	28.5	20.2	14.9
-60°	211.9	174.5	135.9	109.2	85.4	64.2	46.2	30.7	23.1	16.0	13.5
-62.5°	153.1	122.4	101.7	80.4	62.4	46.2	31.5	24.5	17.5	14.4	12.2
-65°	107.5	89.3	71.0	57.0	42.6	30.7	24.5	18.2	14.9	12.9	10.8
-67.5°	72.2	60.4	48.2	35.6	28.5	23.1	17.5	14.9	13.1	11.2	9.4
-70°	46.4	35.9	29.5	24.9	20.2	16.0	14.4	12.9	11.2	9.6	7.9
-72.5°	27.6	23.8	19.9	16.2	14.9	13.5	12.2	10.8	9.4	7.9	6.5
-75°	16.8	15.4	14.4	13.3	12.2	11.1	9.9	8.7	7.5	6.3	5.5
-77.5°	13.1	12.2	11.3	10.4	9.5	8.6	7.6	6.6	5.8	5.2	4.6
-80°	9.6	9.0	8.3	7.6	6.8	6.1	5.6	5.2	4.7	4.2	3.7
-82.5°	6.2	5.9	5.6	5.3	4.9	4.6	4.2	3.9	3.5	3.2	2.8
-85°	4.2	4.0	3.7	3.5	3.3	3.1	2.9	2.6	2.4	2.1	1.9
-87.5°	2.1	2.0	1.9	1.8	1.7	1.5	1.4	1.3	1.2	1.1	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	0.7	0.5	0.4	0.3	0.1	0.0
85°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
82.5°	2.4	2.0	1.6	1.2	0.8	0.4	0.0
80°	3.2	2.7	2.1	1.6	1.1	0.5	0.0
77.5°	4.0	3.3	2.7	2.0	1.3	0.7	0.0
75°	4.7	4.0	3.2	2.4	1.6	0.8	0.0
72.5°	5.5	4.6	3.7	2.8	1.9	0.9	0.0
70°	6.3	5.2	4.2	3.2	2.1	1.1	0.0
67.5°	7.5	5.8	4.7	3.5	2.4	1.2	0.0
65°	8.7	6.6	5.2	3.9	2.6	1.3	0.0
62.5°	9.9	7.6	5.6	4.2	2.9	1.4	0.0
60°	11.1	8.6	6.1	4.6	3.1	1.5	0.0
57.5°	12.2	9.5	6.8	4.9	3.3	1.7	0.0
55°	13.3	10.4	7.6	5.3	3.5	1.8	0.0
52.5°	14.4	11.3	8.3	5.6	3.7	1.9	0.0
50°	15.4	12.2	9.0	5.9	4.0	2.0	0.0
47.5°	16.8	13.1	9.6	6.2	4.2	2.1	0.0
45°	19.9	13.9	10.3	6.7	4.3	2.2	0.0
42.5°	22.9	14.6	10.9	7.2	4.5	2.3	0.0
40°	25.7	15.4	11.5	7.6	4.7	2.4	0.0
37.5°	28.4	16.1	12.1	8.0	4.9	2.5	0.0
35°	31.0	17.7	12.6	8.4	5.0	2.5	0.0
32.5°	34.4	19.7	13.1	8.8	5.2	2.6	0.0
30°	39.9	21.6	13.5	9.1	5.3	2.7	0.0
27.5°	45.0	23.3	14.0	9.5	5.4	2.7	0.0
25°	49.7	24.9	14.4	9.8	5.5	2.8	0.0
22.5°	53.9	26.4	14.7	10.0	5.6	2.9	0.0
20°	57.8	27.7	15.1	10.3	5.7	2.9	0.0
17.5°	61.2	28.8	15.3	10.5	5.8	3.0	0.0
15°	64.2	29.9	15.6	10.7	5.9	3.0	0.0
12.5°	66.7	30.7	15.8	10.8	6.0	3.0	0.0
10°	68.8	31.4	16.0	11.0	6.0	3.1	0.0
7.5°	70.4	32.0	16.1	11.1	6.0	3.1	0.0
5°	71.6	32.4	16.2	11.1	6.1	3.1	0.0
2.5°	72.3	32.6	16.3	11.2	6.1	3.1	0.0
0°	72.5	32.7	16.3	11.2	6.1	3.1	0.0
-2.5°	72.3	32.6	16.3	11.2	6.1	3.1	0.0
-5°	71.6	32.4	16.2	11.1	6.1	3.1	0.0
-7.5°	70.4	32.0	16.1	11.1	6.0	3.1	0.0
-10°	68.8	31.4	16.0	11.0	6.0	3.1	0.0
-12.5°	66.7	30.7	15.8	10.8	6.0	3.0	0.0
-15°	64.2	29.9	15.6	10.7	5.9	3.0	0.0
-17.5°	61.2	28.8	15.3	10.5	5.8	3.0	0.0
-20°	57.8	27.7	15.1	10.3	5.7	2.9	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	53.9	26.4	14.7	10.0	5.6	2.9	0.0
-25°	49.7	24.9	14.4	9.8	5.5	2.8	0.0
-27.5°	45.0	23.3	14.0	9.5	5.4	2.7	0.0
-30°	39.9	21.6	13.5	9.1	5.3	2.7	0.0
-32.5°	34.4	19.7	13.1	8.8	5.2	2.6	0.0
-35°	31.0	17.7	12.6	8.4	5.0	2.5	0.0
-37.5°	28.4	16.1	12.1	8.0	4.9	2.5	0.0
-40°	25.7	15.4	11.5	7.6	4.7	2.4	0.0
-42.5°	22.9	14.6	10.9	7.2	4.5	2.3	0.0
-45°	19.9	13.9	10.3	6.7	4.3	2.2	0.0
-47.5°	16.8	13.1	9.6	6.2	4.2	2.1	0.0
-50°	15.4	12.2	9.0	5.9	4.0	2.0	0.0
-52.5°	14.4	11.3	8.3	5.6	3.7	1.9	0.0
-55°	13.3	10.4	7.6	5.3	3.5	1.8	0.0
-57.5°	12.2	9.5	6.8	4.9	3.3	1.7	0.0
-60°	11.1	8.6	6.1	4.6	3.1	1.5	0.0
-62.5°	9.9	7.6	5.6	4.2	2.9	1.4	0.0
-65°	8.7	6.6	5.2	3.9	2.6	1.3	0.0
-67.5°	7.5	5.8	4.7	3.5	2.4	1.2	0.0
-70°	6.3	5.2	4.2	3.2	2.1	1.1	0.0
-72.5°	5.5	4.6	3.7	2.8	1.9	0.9	0.0
-75°	4.7	4.0	3.2	2.4	1.6	0.8	0.0
-77.5°	4.0	3.3	2.7	2.0	1.3	0.7	0.0
-80°	3.2	2.7	2.1	1.6	1.1	0.5	0.0
-82.5°	2.4	2.0	1.6	1.2	0.8	0.4	0.0
-85°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
-87.5°	0.8	0.7	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)