

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: P1305953 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680N-40-70-1S-HEG-A**

Issue Date: 2/3/2026

Test Information

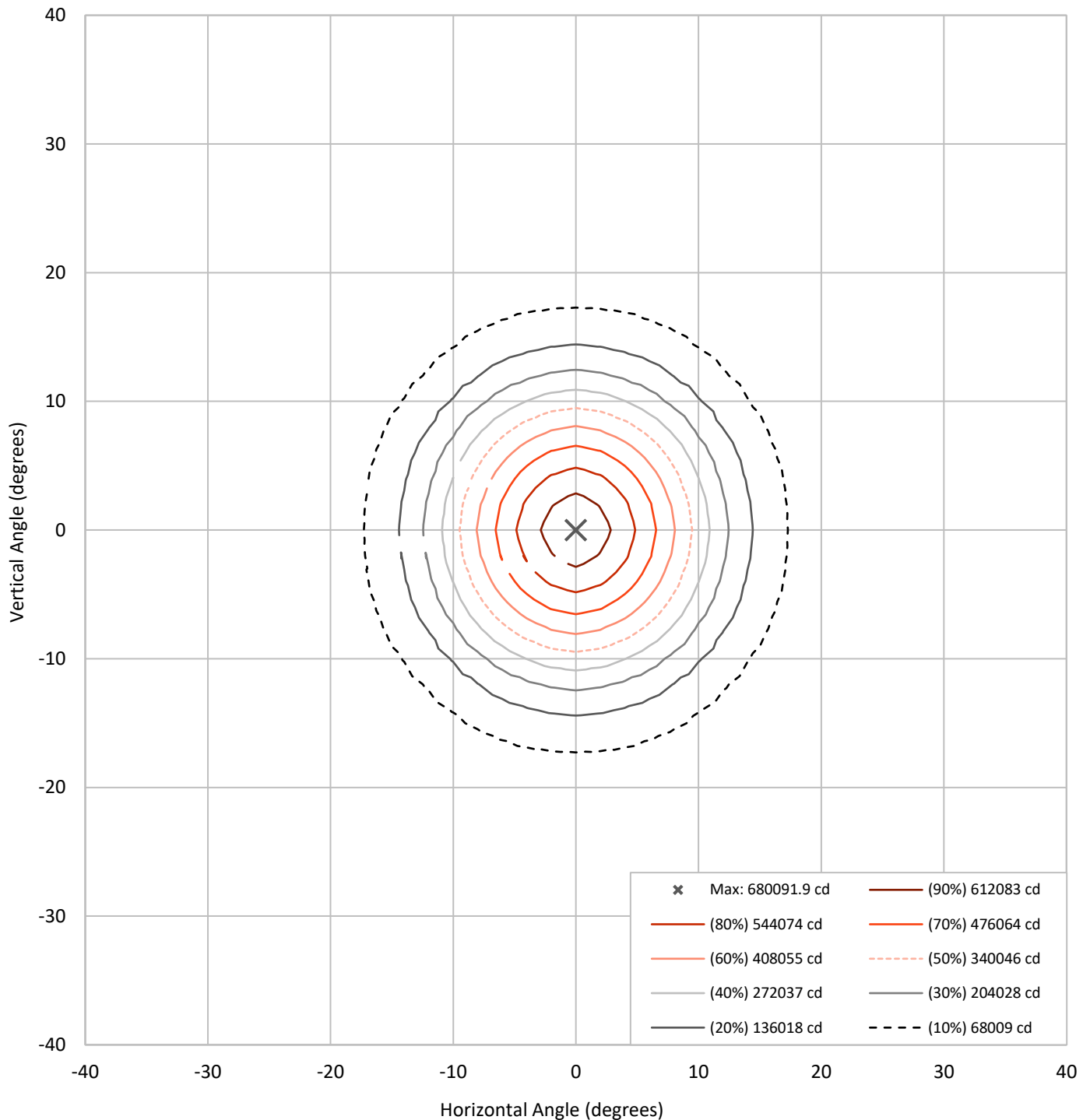
Test Method: LM-79-08
Report Number: P1305953 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-61)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-680N-40-70-1S-HEG-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 1S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	92129.1 lumens	Max Intensity:	680091.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	128.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	19°H x 19°V	Field Angle (10%):	34.3°H x 34.3°V
Beam Lumens:	39708.8 lumens	Field Lumens:	73152.3 lumens
Beam Efficiency:	43.1%	Field Efficiency:	79.4%
Input Watts (W):	718		
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



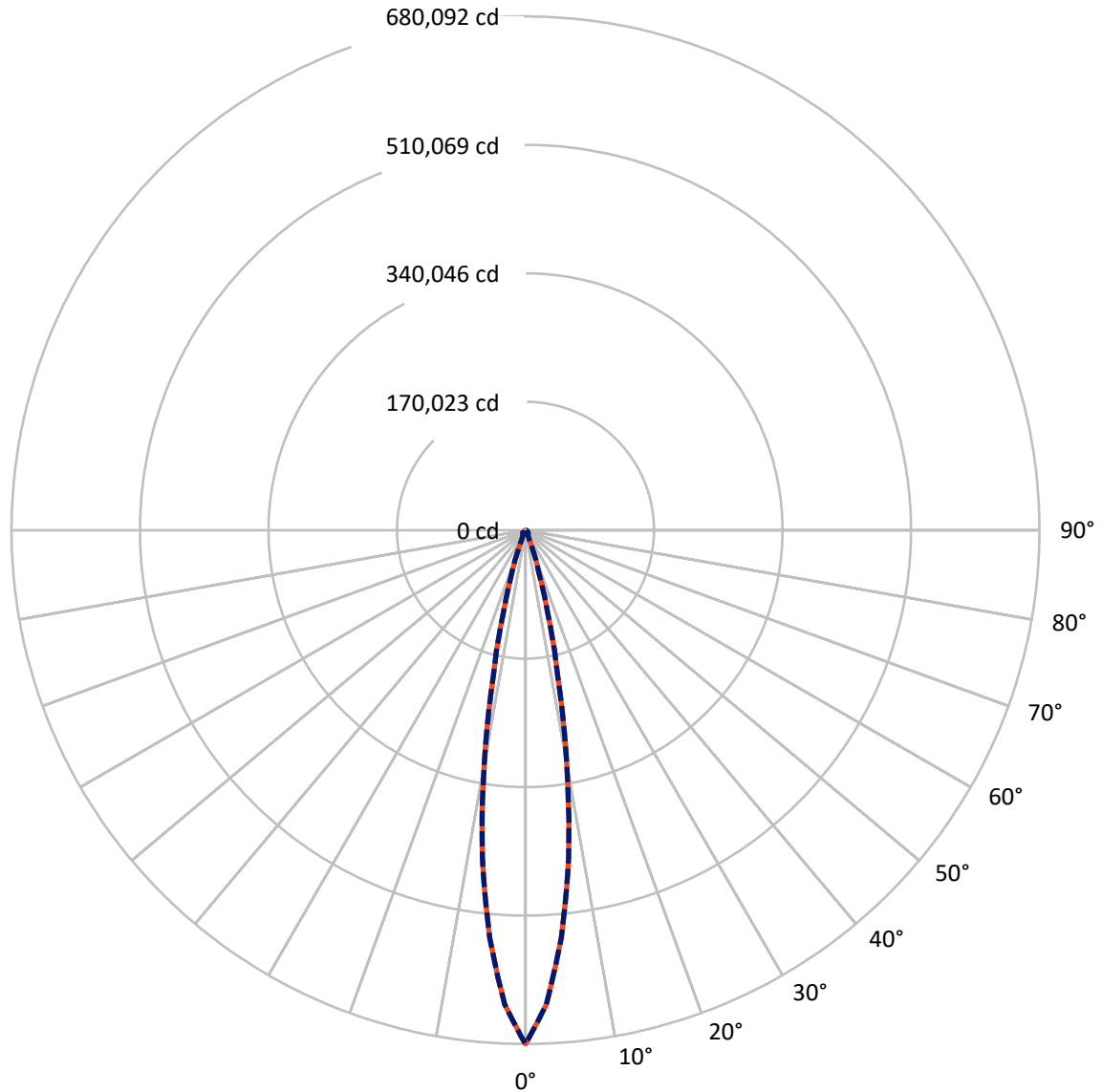
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Lumen Table

90	0.1	0.9		3.2		8.0		10.5		8.0		3.2		0.9		0.1			
80	0.1	0.9		3.2		8.0		10.5		8.0		3.2		0.9		0.1			
70	0.4	0.5	1.9	5.7	11.6	18.0	23.3	26.2	26.2	23.3	18.0	11.6	5.7	1.9	0.5	0.4			
60		1.4	6.8	16.7	28.7	38.8	45.4	49.0	49.0	45.4	38.8	28.7	16.7	6.8	1.4				
50	1.1	3.6	13.6	28.5	41.5	70.4	110.9	133.2	133.2	110.9	70.4	41.5	28.5	13.6	3.6	1.1			
40		6.2	20.3	35.9	85.0	145.5	160.7	161.0	161.0	160.7	145.5	85.0	35.9	20.3	6.2				
30	2.3	8.7	24.7	55.5	131.6	145.7	160.1	277.6	277.6	160.1	145.7	131.6	55.5	24.7	8.7	2.3			
20		10.5	27.1	82.3	136.2	150.4	879.8	3285.2	3285.2	879.8	150.4	136.2	82.3	27.1	10.5				
10	2.9	11.5	28.4	95.6	132.1	255.4	3205.6	12615.4	12615.4	3205.6	255.4	132.1	95.6	28.4	11.5	2.9			
0		11.5	28.4	95.6	132.1	255.4	3205.6	12615.4	12615.4	3205.6	255.4	132.1	95.6	28.4	11.5				
-10	2.3	10.5	27.1	82.3	136.2	150.4	879.8	3285.2	3285.2	879.8	150.4	136.2	82.3	27.1	10.5	2.3			
-20		8.7	24.7	55.5	131.6	145.7	160.1	277.6	277.6	160.1	145.7	131.6	55.5	24.7	8.7				
-30	1.1	6.2	20.3	35.9	85.0	145.5	160.7	161.0	161.0	160.7	145.5	85.0	35.9	20.3	6.2	1.1			
-40		3.6	13.6	28.5	41.5	70.4	110.9	133.2	133.2	110.9	70.4	41.5	28.5	13.6	3.6				
-50	0.4	1.4	6.8	16.7	28.7	38.8	45.4	49.0	49.0	45.4	38.8	28.7	16.7	6.8	1.4	0.4			
-60		0.5	1.9	5.7	11.6	18.0	23.3	26.2	26.2	23.3	18.0	11.6	5.7	1.9	0.5				
-70	0.1	0.9		3.2		8.0		10.5		8.0		3.2		0.9		0.1			
-80		0.9		3.2		8.0		10.5		8.0		3.2		0.9					
-90	0.1	0.9		3.2		8.0		10.5		8.0		3.2		0.9		0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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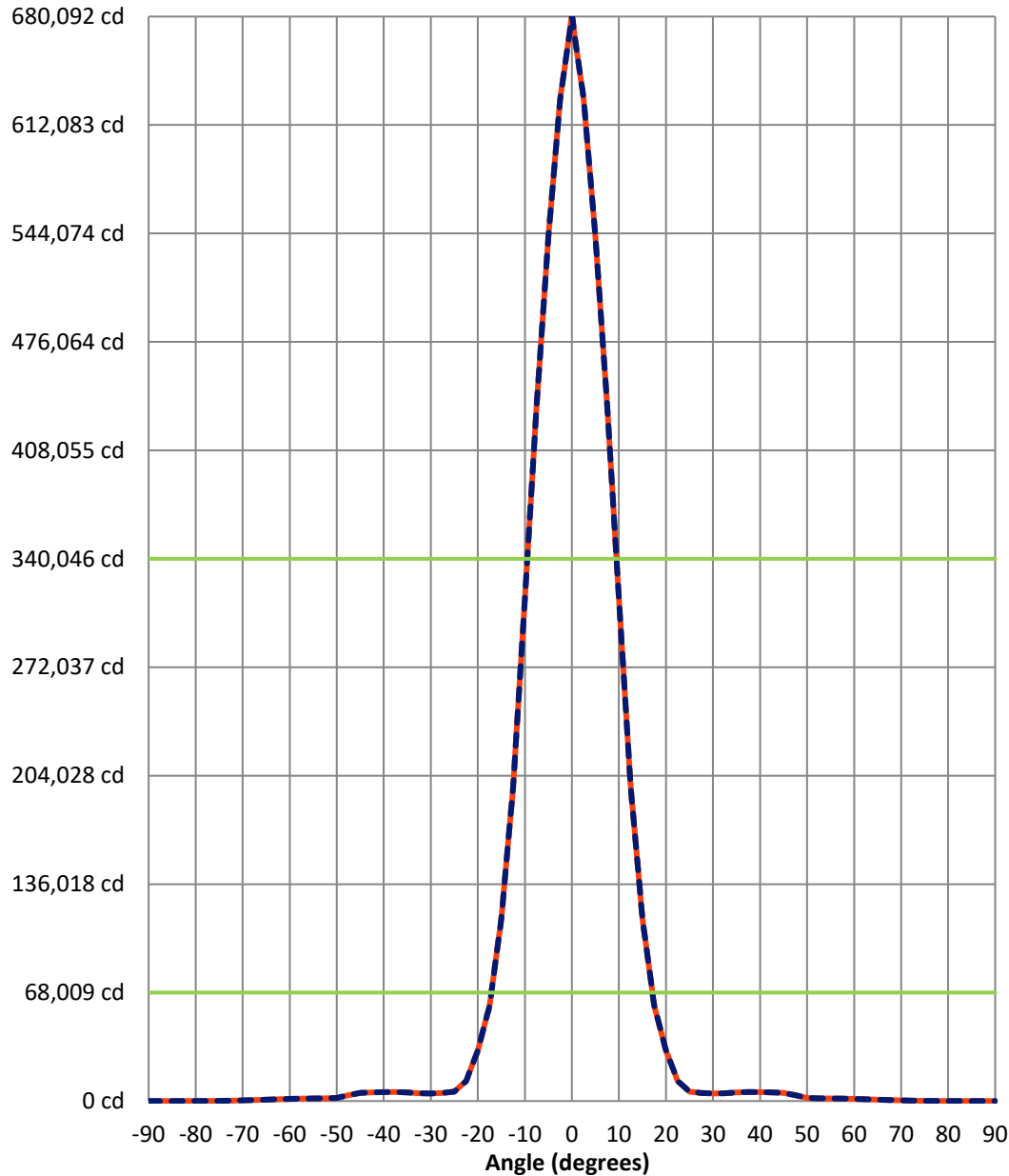
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 19°
 V Angle: 19°
 Lumens: 39708.8
 Efficiency: 43.1%

Field:
 H Angle: 34.3°
 V Angle: 34.3°
 Lumens: 73152.3
 Efficiency: 79.4%

Spill:
 Lumens: 18976.8
 Efficiency: 20.6%

- 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	0.3	0.6	0.8	1.1	1.4	1.7	2.0	2.2	2.5	2.7
85°	0.0	0.6	1.1	1.7	2.3	2.8	3.4	3.9	4.4	5.0	5.5
82.5°	0.0	0.8	1.7	2.5	3.4	4.2	5.0	5.8	6.6	7.2	7.8
80°	0.0	1.1	2.3	3.4	4.5	5.6	6.6	7.5	8.3	9.1	9.8
77.5°	0.0	1.4	2.8	4.2	5.6	6.9	7.9	8.9	9.9	10.9	12.4
75°	0.0	1.7	3.4	5.0	6.6	7.9	9.1	10.3	11.7	14.1	16.4
72.5°	0.0	2.0	3.9	5.8	7.5	8.9	10.3	12.1	14.9	17.7	20.4
70°	0.0	2.2	4.4	6.6	8.3	9.9	11.7	14.9	18.1	21.3	24.9
67.5°	0.0	2.5	5.0	7.2	9.1	10.9	14.1	17.7	21.3	25.4	29.4
65°	0.0	2.7	5.5	7.8	9.8	12.4	16.4	20.4	24.9	29.4	34.9
62.5°	0.0	3.0	6.0	8.4	10.6	14.3	18.7	23.4	28.4	34.0	42.4
60°	0.0	3.2	6.5	8.9	11.4	16.2	20.9	26.4	31.9	40.6	49.8
57.5°	0.0	3.5	6.9	9.5	12.8	18.0	23.5	29.4	37.2	47.2	68.4
55°	0.0	3.7	7.2	10.0	14.2	19.8	25.9	32.3	42.8	56.8	92.0
52.5°	0.0	4.0	7.6	10.5	15.6	21.5	28.3	36.9	48.3	77.4	114.9
50°	0.0	4.2	7.9	11.0	16.9	23.5	30.7	41.5	57.3	97.5	158.0
47.5°	0.0	4.4	8.2	11.6	18.2	25.3	33.1	46.0	74.5	116.9	202.2
45°	0.0	4.6	8.5	12.6	19.4	27.1	36.9	50.4	91.1	154.7	244.8
42.5°	0.0	4.8	8.8	13.4	20.6	28.9	40.4	60.2	107.0	191.4	298.2
40°	0.0	5.0	9.1	14.3	21.9	30.5	43.8	73.4	127.4	226.6	351.3
37.5°	0.0	5.2	9.4	15.1	23.1	32.1	47.0	86.1	157.0	263.4	401.9
35°	0.0	5.3	9.6	15.9	24.3	34.3	50.1	98.0	185.1	306.4	451.8
32.5°	0.0	5.5	9.9	16.6	25.4	36.6	54.9	109.3	211.6	346.9	501.6
30°	0.0	5.6	10.1	17.2	26.4	38.9	63.9	122.4	236.3	384.9	548.4
27.5°	0.0	5.8	10.3	17.9	27.4	40.9	72.2	142.4	262.4	420.2	591.8
25°	0.0	5.9	10.5	18.4	28.3	42.8	79.9	160.8	291.1	454.9	632.3
22.5°	0.0	6.0	10.7	19.0	29.1	44.6	86.9	177.6	317.4	487.6	676.5
20°	0.0	6.1	10.8	19.4	29.8	46.1	93.2	192.8	341.0	517.1	716.4
17.5°	0.0	6.2	10.9	19.8	30.5	47.5	98.8	206.3	362.0	543.3	751.9
15°	0.0	6.3	11.1	20.2	31.0	48.7	103.7	218.0	380.3	566.2	782.8
12.5°	0.0	6.3	11.2	20.5	31.5	49.8	107.8	228.0	395.9	585.7	809.2
10°	0.0	6.4	11.3	20.8	31.9	50.6	111.2	236.2	408.7	601.7	830.9
7.5°	0.0	6.4	11.3	20.9	32.2	51.3	113.9	242.6	418.7	614.2	847.8
5°	0.0	6.5	11.4	21.1	32.4	51.7	115.8	247.1	425.9	623.1	860.0
2.5°	0.0	6.5	11.4	21.2	32.6	52.0	116.9	249.9	430.2	628.5	867.3
0°	0.0	6.5	11.4	21.2	32.6	52.0	116.9	249.9	430.2	628.5	867.3
-2.5°	0.0	6.5	11.4	21.2	32.6	52.0	116.9	249.9	430.2	628.5	867.3
-5°	0.0	6.5	11.4	21.1	32.4	51.7	115.8	247.1	425.9	623.1	860.0
-7.5°	0.0	6.4	11.3	20.9	32.2	51.3	113.9	242.6	418.7	614.2	847.8
-10°	0.0	6.4	11.3	20.8	31.9	50.6	111.2	236.2	408.7	601.7	830.9
-12.5°	0.0	6.3	11.2	20.5	31.5	49.8	107.8	228.0	395.9	585.7	809.2
-15°	0.0	6.3	11.1	20.2	31.0	48.7	103.7	218.0	380.3	566.2	782.8
-17.5°	0.0	6.2	10.9	19.8	30.5	47.5	98.8	206.3	362.0	543.3	751.9
-20°	0.0	6.1	10.8	19.4	29.8	46.1	93.2	192.8	341.0	517.1	716.4



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 CATALOG NUMBER: EPH-08-680N-40-70-1S-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	6.0	10.7	19.0	29.1	44.6	86.9	177.6	317.4	487.6	676.5
-25°	0.0	5.9	10.5	18.4	28.3	42.8	79.9	160.8	291.1	454.9	632.3
-27.5°	0.0	5.8	10.3	17.9	27.4	40.9	72.2	142.4	262.4	420.2	591.8
-30°	0.0	5.6	10.1	17.2	26.4	38.9	63.9	122.4	236.3	384.9	548.4
-32.5°	0.0	5.5	9.9	16.6	25.4	36.6	54.9	109.3	211.6	346.9	501.6
-35°	0.0	5.3	9.6	15.9	24.3	34.3	50.1	98.0	185.1	306.4	451.8
-37.5°	0.0	5.2	9.4	15.1	23.1	32.1	47.0	86.1	157.0	263.4	401.9
-40°	0.0	5.0	9.1	14.3	21.9	30.5	43.8	73.4	127.4	226.6	351.3
-42.5°	0.0	4.8	8.8	13.4	20.6	28.9	40.4	60.2	107.0	191.4	298.2
-45°	0.0	4.6	8.5	12.6	19.4	27.1	36.9	50.4	91.1	154.7	244.8
-47.5°	0.0	4.4	8.2	11.6	18.2	25.3	33.1	46.0	74.5	116.9	202.2
-50°	0.0	4.2	7.9	11.0	16.9	23.5	30.7	41.5	57.3	97.5	158.0
-52.5°	0.0	4.0	7.6	10.5	15.6	21.5	28.3	36.9	48.3	77.4	114.9
-55°	0.0	3.7	7.2	10.0	14.2	19.8	25.9	32.3	42.8	56.8	92.0
-57.5°	0.0	3.5	6.9	9.5	12.8	18.0	23.5	29.4	37.2	47.2	68.4
-60°	0.0	3.2	6.5	8.9	11.4	16.2	20.9	26.4	31.9	40.6	49.8
-62.5°	0.0	3.0	6.0	8.4	10.6	14.3	18.7	23.4	28.4	34.0	42.4
-65°	0.0	2.7	5.5	7.8	9.8	12.4	16.4	20.4	24.9	29.4	34.9
-67.5°	0.0	2.5	5.0	7.2	9.1	10.9	14.1	17.7	21.3	25.4	29.4
-70°	0.0	2.2	4.4	6.6	8.3	9.9	11.7	14.9	18.1	21.3	24.9
-72.5°	0.0	2.0	3.9	5.8	7.5	8.9	10.3	12.1	14.9	17.7	20.4
-75°	0.0	1.7	3.4	5.0	6.6	7.9	9.1	10.3	11.7	14.1	16.4
-77.5°	0.0	1.4	2.8	4.2	5.6	6.9	7.9	8.9	9.9	10.9	12.4
-80°	0.0	1.1	2.3	3.4	4.5	5.6	6.6	7.5	8.3	9.1	9.8
-82.5°	0.0	0.8	1.7	2.5	3.4	4.2	5.0	5.8	6.6	7.2	7.8
-85°	0.0	0.6	1.1	1.7	2.3	2.8	3.4	3.9	4.4	5.0	5.5
-87.5°	0.0	0.3	0.6	0.8	1.1	1.4	1.7	2.0	2.2	2.5	2.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	3.0	3.2	3.5	3.7	4.0	4.2	4.4	4.6	4.8	5.0	5.2
85°	6.0	6.5	6.9	7.2	7.6	7.9	8.2	8.5	8.8	9.1	9.4
82.5°	8.4	8.9	9.5	10.0	10.5	11.0	11.6	12.6	13.4	14.3	15.1
80°	10.6	11.4	12.8	14.2	15.6	16.9	18.2	19.4	20.6	21.9	23.1
77.5°	14.3	16.2	18.0	19.8	21.5	23.5	25.3	27.1	28.9	30.5	32.1
75°	18.7	20.9	23.5	25.9	28.3	30.7	33.1	36.9	40.4	43.8	47.0
72.5°	23.4	26.4	29.4	32.3	36.9	41.5	46.0	50.4	60.2	73.4	86.1
70°	28.4	31.9	37.2	42.8	48.3	57.3	74.5	91.1	107.0	127.4	157.0
67.5°	34.0	40.6	47.2	56.8	77.4	97.5	116.9	154.7	191.4	226.6	263.4
65°	42.4	49.8	68.4	92.0	114.9	158.0	202.2	244.8	298.2	351.3	401.9
62.5°	50.6	74.2	100.7	136.4	188.1	238.3	299.8	363.4	424.6	488.4	550.0
60°	74.2	103.7	148.5	206.3	266.8	341.0	413.0	487.6	561.3	632.3	713.7
57.5°	100.7	148.5	212.3	283.3	365.9	447.8	533.7	616.7	710.5	803.2	892.6
55°	136.4	206.3	283.3	374.3	466.3	561.5	659.0	767.0	871.4	975.1	1074.4
52.5°	188.1	266.8	365.9	466.3	570.9	681.6	801.2	918.9	1034.9	1144.5	1243.9
50°	238.3	341.0	447.8	561.5	681.6	812.7	942.8	1071.1	1189.7	1300.8	1399.9
47.5°	299.8	413.0	533.7	659.0	801.2	942.8	1083.2	1212.4	1335.3	1440.4	1540.0
45°	363.4	487.6	616.7	767.0	918.9	1071.1	1212.4	1346.9	1460.8	1555.0	1589.5
42.5°	424.6	561.3	710.5	871.4	1034.9	1189.7	1335.3	1460.8	1558.3	1596.4	1640.4
40°	488.4	632.3	803.2	975.1	1144.5	1300.8	1440.4	1555.0	1596.4	1645.1	1697.7
37.5°	550.0	713.7	892.6	1074.4	1243.9	1399.9	1540.0	1589.5	1640.4	1697.7	1855.4
35°	608.4	791.0	979.8	1165.4	1338.8	1488.9	1575.9	1626.2	1688.1	1840.9	2322.4
32.5°	670.5	864.1	1062.4	1248.6	1418.4	1555.7	1605.4	1669.0	1797.9	2126.4	3327.0
30°	732.9	934.9	1138.4	1327.1	1492.5	1581.7	1640.8	1727.2	1924.7	3027.2	4192.2
27.5°	791.0	1001.1	1205.7	1393.5	1551.9	1606.1	1676.2	1838.7	2534.5	3847.2	4962.7
25°	844.7	1062.4	1268.0	1452.8	1572.9	1634.5	1726.6	1942.7	3279.1	4523.6	5239.9
22.5°	894.6	1118.3	1325.0	1507.1	1592.1	1662.7	1815.7	2498.6	3922.8	5128.1	5380.7
20°	940.5	1165.4	1372.9	1550.2	1609.5	1688.3	1896.7	3082.3	4456.3	5248.2	5476.2
17.5°	981.4	1207.3	1413.1	1564.5	1629.6	1732.1	2036.3	3606.5	4936.5	5356.5	5546.6
15°	1017.0	1243.9	1448.2	1577.0	1648.1	1791.0	2461.8	4007.3	5171.7	5441.4	5607.9
12.5°	1047.4	1275.1	1478.2	1587.7	1663.9	1841.3	2826.3	4342.7	5247.7	5491.1	5624.7
10°	1072.4	1300.8	1502.9	1596.5	1676.9	1882.8	3127.7	4620.5	5310.8	5532.4	5638.8
7.5°	1092.0	1320.9	1522.2	1603.4	1687.1	1915.4	3364.2	4838.6	5360.4	5564.9	5649.8
5°	1106.0	1335.3	1536.1	1608.3	1694.4	1938.8	3534.2	4995.6	5396.1	5588.4	5657.8
2.5°	1114.4	1344.0	1544.4	1611.3	1698.8	1952.9	3636.7	5090.3	5417.7	5602.6	5662.7
0°	1117.2	1346.9	1547.2	1612.3	1700.3	1957.6	3670.9	5121.9	5424.9	5607.3	5664.3
-2.5°	1114.4	1344.0	1544.4	1611.3	1698.8	1952.9	3636.7	5090.3	5417.7	5602.6	5662.7
-5°	1106.0	1335.3	1536.1	1608.3	1694.4	1938.8	3534.2	4995.6	5396.1	5588.4	5657.8
-7.5°	1092.0	1320.9	1522.2	1603.4	1687.1	1915.4	3364.2	4838.6	5360.4	5564.9	5649.8
-10°	1072.4	1300.8	1502.9	1596.5	1676.9	1882.8	3127.7	4620.5	5310.8	5532.4	5638.8
-12.5°	1047.4	1275.1	1478.2	1587.7	1663.9	1841.3	2826.3	4342.7	5247.7	5491.1	5624.7
-15°	1017.0	1243.9	1448.2	1577.0	1648.1	1791.0	2461.8	4007.3	5171.7	5441.4	5607.9
-17.5°	981.4	1207.3	1413.1	1564.5	1629.6	1732.1	2036.3	3606.5	4936.5	5356.5	5546.6
-20°	940.5	1165.4	1372.9	1550.2	1609.5	1688.3	1896.7	3082.3	4456.3	5248.2	5476.2



REPORT NUMBER: P1305953 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-1S-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	894.6	1118.3	1325.0	1507.1	1592.1	1662.7	1815.7	2498.6	3922.8	5128.1	5380.7
-25°	844.7	1062.4	1268.0	1452.8	1572.9	1634.5	1726.6	1942.7	3279.1	4523.6	5239.9
-27.5°	791.0	1001.1	1205.7	1393.5	1551.9	1606.1	1676.2	1838.7	2534.5	3847.2	4962.7
-30°	732.9	934.9	1138.4	1327.1	1492.5	1581.7	1640.8	1727.2	1924.7	3027.2	4192.2
-32.5°	670.5	864.1	1062.4	1248.6	1418.4	1555.7	1605.4	1669.0	1797.9	2126.4	3327.0
-35°	608.4	791.0	979.8	1165.4	1338.8	1488.9	1575.9	1626.2	1688.1	1840.9	2322.4
-37.5°	550.0	713.7	892.6	1074.4	1243.9	1399.9	1540.0	1589.5	1640.4	1697.7	1855.4
-40°	488.4	632.3	803.2	975.1	1144.5	1300.8	1440.4	1555.0	1596.4	1645.1	1697.7
-42.5°	424.6	561.3	710.5	871.4	1034.9	1189.7	1335.3	1460.8	1558.3	1596.4	1640.4
-45°	363.4	487.6	616.7	767.0	918.9	1071.1	1212.4	1346.9	1460.8	1555.0	1589.5
-47.5°	299.8	413.0	533.7	659.0	801.2	942.8	1083.2	1212.4	1335.3	1440.4	1540.0
-50°	238.3	341.0	447.8	561.5	681.6	812.7	942.8	1071.1	1189.7	1300.8	1399.9
-52.5°	188.1	266.8	365.9	466.3	570.9	681.6	801.2	918.9	1034.9	1144.5	1243.9
-55°	136.4	206.3	283.3	374.3	466.3	561.5	659.0	767.0	871.4	975.1	1074.4
-57.5°	100.7	148.5	212.3	283.3	365.9	447.8	533.7	616.7	710.5	803.2	892.6
-60°	74.2	103.7	148.5	206.3	266.8	341.0	413.0	487.6	561.3	632.3	713.7
-62.5°	50.6	74.2	100.7	136.4	188.1	238.3	299.8	363.4	424.6	488.4	550.0
-65°	42.4	49.8	68.4	92.0	114.9	158.0	202.2	244.8	298.2	351.3	401.9
-67.5°	34.0	40.6	47.2	56.8	77.4	97.5	116.9	154.7	191.4	226.6	263.4
-70°	28.4	31.9	37.2	42.8	48.3	57.3	74.5	91.1	107.0	127.4	157.0
-72.5°	23.4	26.4	29.4	32.3	36.9	41.5	46.0	50.4	60.2	73.4	86.1
-75°	18.7	20.9	23.5	25.9	28.3	30.7	33.1	36.9	40.4	43.8	47.0
-77.5°	14.3	16.2	18.0	19.8	21.5	23.5	25.3	27.1	28.9	30.5	32.1
-80°	10.6	11.4	12.8	14.2	15.6	16.9	18.2	19.4	20.6	21.9	23.1
-82.5°	8.4	8.9	9.5	10.0	10.5	11.0	11.6	12.6	13.4	14.3	15.1
-85°	6.0	6.5	6.9	7.2	7.6	7.9	8.2	8.5	8.8	9.1	9.4
-87.5°	3.0	3.2	3.5	3.7	4.0	4.2	4.4	4.6	4.8	5.0	5.2
-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: P1305953 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-1S-HEG-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.3	5.5	5.6	5.8	5.9	6.0	6.1	6.2	6.3	6.3	6.4
85°	9.6	9.9	10.1	10.3	10.5	10.7	10.8	10.9	11.1	11.2	11.3
82.5°	15.9	16.6	17.2	17.9	18.4	19.0	19.4	19.8	20.2	20.5	20.8
80°	24.3	25.4	26.4	27.4	28.3	29.1	29.8	30.5	31.0	31.5	31.9
77.5°	34.3	36.6	38.9	40.9	42.8	44.6	46.1	47.5	48.7	49.8	50.6
75°	50.1	54.9	63.9	72.2	79.9	86.9	93.2	98.8	103.7	107.8	111.2
72.5°	98.0	109.3	122.4	142.4	160.8	177.6	192.8	206.3	218.0	228.0	236.2
70°	185.1	211.6	236.3	262.4	291.1	317.4	341.0	362.0	380.3	395.9	408.7
67.5°	306.4	346.9	384.9	420.2	454.9	487.6	517.1	543.3	566.2	585.7	601.7
65°	451.8	501.6	548.4	591.8	632.3	676.5	716.4	751.9	782.8	809.2	830.9
62.5°	608.4	670.5	732.9	791.0	844.7	894.6	940.5	981.4	1017.0	1047.4	1072.4
60°	791.0	864.1	934.9	1001.1	1062.4	1118.3	1165.4	1207.3	1243.9	1275.1	1300.8
57.5°	979.8	1062.4	1138.4	1205.7	1268.0	1325.0	1372.9	1413.1	1448.2	1478.2	1502.9
55°	1165.4	1248.6	1327.1	1393.5	1452.8	1507.1	1550.2	1564.5	1577.0	1587.7	1596.5
52.5°	1338.8	1418.4	1492.5	1551.9	1572.9	1592.1	1609.5	1629.6	1648.1	1663.9	1676.9
50°	1488.9	1555.7	1581.7	1606.1	1634.5	1662.7	1688.3	1732.1	1791.0	1841.3	1882.8
47.5°	1575.9	1605.4	1640.8	1676.2	1726.6	1815.7	1896.7	2036.3	2461.8	2826.3	3127.7
45°	1626.2	1669.0	1727.2	1838.7	1942.7	2498.6	3082.3	3606.5	4007.3	4342.7	4620.5
42.5°	1688.1	1797.9	1924.7	2534.5	3279.1	3922.8	4456.3	4936.5	5171.7	5247.7	5310.8
40°	1840.9	2126.4	3027.2	3847.2	4523.6	5128.1	5248.2	5356.5	5441.4	5491.1	5532.4
37.5°	2322.4	3327.0	4192.2	4962.7	5239.9	5380.7	5476.2	5546.6	5607.9	5624.7	5638.8
35°	3427.7	4366.6	5144.5	5316.0	5456.8	5547.7	5614.9	5638.6	5659.8	5599.3	5527.2
32.5°	4366.6	5163.3	5354.6	5492.4	5596.4	5634.4	5662.5	5551.6	5443.6	5307.2	5155.7
30°	5144.5	5354.6	5504.5	5611.6	5646.3	5595.5	5452.7	5253.9	5028.1	4865.8	4823.6
27.5°	5316.0	5492.4	5611.6	5650.3	5556.3	5388.6	5092.8	4863.2	4800.7	4745.9	4858.2
25°	5456.8	5596.4	5646.3	5556.3	5349.1	5010.7	4830.6	4755.7	4887.0	5033.4	5306.9
22.5°	5547.7	5634.4	5595.5	5388.6	5010.7	4819.6	4777.4	4975.0	5300.8	5728.4	7213.6
20°	5614.9	5662.5	5452.7	5092.8	4830.6	4777.4	5004.9	5468.3	6421.8	10050.8	14345.1
17.5°	5638.6	5551.6	5253.9	4863.2	4755.7	4975.0	5468.3	7115.4	11521.8	21074.3	31151.8
15°	5659.8	5443.6	5028.1	4800.7	4887.0	5300.8	6421.8	11521.8	23382.4	38137.7	54705.6
12.5°	5599.3	5307.2	4865.8	4745.9	5033.4	5728.4	10050.8	21074.3	38137.7	58729.6	93609.0
10°	5527.2	5155.7	4823.6	4858.2	5306.9	7213.6	14345.1	31151.8	54705.6	93609.0	140964.1
7.5°	5470.2	5035.5	4790.0	4948.6	5573.4	9501.2	21730.3	43100.8	76707.5	127935.0	197935.2
5°	5428.9	4948.3	4765.5	5014.5	5768.7	11187.7	27217.0	52282.6	97205.3	162583.0	255953.0
2.5°	5404.0	4895.4	4750.7	5054.7	5888.0	12222.3	30602.7	57994.8	110111.4	187563.9	299357.9
0°	5395.6	4877.7	4745.7	5068.2	5928.1	12571.2	31747.9	59935.7	114526.4	197042.7	314862.1
-2.5°	5404.0	4895.4	4750.7	5054.7	5888.0	12222.3	30602.7	57994.8	110111.4	187563.9	299357.9
-5°	5428.9	4948.3	4765.5	5014.5	5768.7	11187.7	27217.0	52282.6	97205.3	162583.0	255953.0
-7.5°	5470.2	5035.5	4790.0	4948.6	5573.4	9501.2	21730.3	43100.8	76707.5	127935.0	197935.2
-10°	5527.2	5155.7	4823.6	4858.2	5306.9	7213.6	14345.1	31151.8	54705.6	93609.0	140964.1
-12.5°	5599.3	5307.2	4865.8	4745.9	5033.4	5728.4	10050.8	21074.3	38137.7	58729.6	93609.0
-15°	5659.8	5443.6	5028.1	4800.7	4887.0	5300.8	6421.8	11521.8	23382.4	38137.7	54705.6
-17.5°	5638.6	5551.6	5253.9	4863.2	4755.7	4975.0	5468.3	7115.4	11521.8	21074.3	31151.8
-20°	5614.9	5662.5	5452.7	5092.8	4830.6	4777.4	5004.9	5468.3	6421.8	10050.8	14345.1



REPORT NUMBER: P1305953 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-1S-HEG-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5547.7	5634.4	5595.5	5388.6	5010.7	4819.6	4777.4	4975.0	5300.8	5728.4	7213.6
-25°	5456.8	5596.4	5646.3	5556.3	5349.1	5010.7	4830.6	4755.7	4887.0	5033.4	5306.9
-27.5°	5316.0	5492.4	5611.6	5650.3	5556.3	5388.6	5092.8	4863.2	4800.7	4745.9	4858.2
-30°	5144.5	5354.6	5504.5	5611.6	5646.3	5595.5	5452.7	5253.9	5028.1	4865.8	4823.6
-32.5°	4366.6	5163.3	5354.6	5492.4	5596.4	5634.4	5662.5	5551.6	5443.6	5307.2	5155.7
-35°	3427.7	4366.6	5144.5	5316.0	5456.8	5547.7	5614.9	5638.6	5659.8	5599.3	5527.2
-37.5°	2322.4	3327.0	4192.2	4962.7	5239.9	5380.7	5476.2	5546.6	5607.9	5624.7	5638.8
-40°	1840.9	2126.4	3027.2	3847.2	4523.6	5128.1	5248.2	5356.5	5441.4	5491.1	5532.4
-42.5°	1688.1	1797.9	1924.7	2534.5	3279.1	3922.8	4456.3	4936.5	5171.7	5247.7	5310.8
-45°	1626.2	1669.0	1727.2	1838.7	1942.7	2498.6	3082.3	3606.5	4007.3	4342.7	4620.5
-47.5°	1575.9	1605.4	1640.8	1676.2	1726.6	1815.7	1896.7	2036.3	2461.8	2826.3	3127.7
-50°	1488.9	1555.7	1581.7	1606.1	1634.5	1662.7	1688.3	1732.1	1791.0	1841.3	1882.8
-52.5°	1338.8	1418.4	1492.5	1551.9	1572.9	1592.1	1609.5	1629.6	1648.1	1663.9	1676.9
-55°	1165.4	1248.6	1327.1	1393.5	1452.8	1507.1	1550.2	1564.5	1577.0	1587.7	1596.5
-57.5°	979.8	1062.4	1138.4	1205.7	1268.0	1325.0	1372.9	1413.1	1448.2	1478.2	1502.9
-60°	791.0	864.1	934.9	1001.1	1062.4	1118.3	1165.4	1207.3	1243.9	1275.1	1300.8
-62.5°	608.4	670.5	732.9	791.0	844.7	894.6	940.5	981.4	1017.0	1047.4	1072.4
-65°	451.8	501.6	548.4	591.8	632.3	676.5	716.4	751.9	782.8	809.2	830.9
-67.5°	306.4	346.9	384.9	420.2	454.9	487.6	517.1	543.3	566.2	585.7	601.7
-70°	185.1	211.6	236.3	262.4	291.1	317.4	341.0	362.0	380.3	395.9	408.7
-72.5°	98.0	109.3	122.4	142.4	160.8	177.6	192.8	206.3	218.0	228.0	236.2
-75°	50.1	54.9	63.9	72.2	79.9	86.9	93.2	98.8	103.7	107.8	111.2
-77.5°	34.3	36.6	38.9	40.9	42.8	44.6	46.1	47.5	48.7	49.8	50.6
-80°	24.3	25.4	26.4	27.4	28.3	29.1	29.8	30.5	31.0	31.5	31.9
-82.5°	15.9	16.6	17.2	17.9	18.4	19.0	19.4	19.8	20.2	20.5	20.8
-85°	9.6	9.9	10.1	10.3	10.5	10.7	10.8	10.9	11.1	11.2	11.3
-87.5°	5.3	5.5	5.6	5.8	5.9	6.0	6.1	6.2	6.3	6.3	6.4
-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: P1305953 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-1S-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°	6.4	6.5	6.5	6.5	6.5	6.5	6.4	6.4	6.3	6.3	6.2
85°	11.3	11.4	11.4	11.4	11.4	11.4	11.3	11.3	11.2	11.1	10.9
82.5°	20.9	21.1	21.2	21.2	21.2	21.1	20.9	20.8	20.5	20.2	19.8
80°	32.2	32.4	32.6	32.6	32.6	32.4	32.2	31.9	31.5	31.0	30.5
77.5°	51.3	51.7	52.0	52.1	52.0	51.7	51.3	50.6	49.8	48.7	47.5
75°	113.9	115.8	116.9	117.3	116.9	115.8	113.9	111.2	107.8	103.7	98.8
72.5°	242.6	247.1	249.9	250.8	249.9	247.1	242.6	236.2	228.0	218.0	206.3
70°	418.7	425.9	430.2	431.6	430.2	425.9	418.7	408.7	395.9	380.3	362.0
67.5°	614.2	623.1	628.5	630.3	628.5	623.1	614.2	601.7	585.7	566.2	543.3
65°	847.8	860.0	867.3	869.7	867.3	860.0	847.8	830.9	809.2	782.8	751.9
62.5°	1092.0	1106.0	1114.4	1117.2	1114.4	1106.0	1092.0	1072.4	1047.4	1017.0	981.4
60°	1320.9	1335.3	1344.0	1346.9	1344.0	1335.3	1320.9	1300.8	1275.1	1243.9	1207.3
57.5°	1522.2	1536.1	1544.4	1547.2	1544.4	1536.1	1522.2	1502.9	1478.2	1448.2	1413.1
55°	1603.4	1608.3	1611.3	1612.3	1611.3	1608.3	1603.4	1596.5	1587.7	1577.0	1564.5
52.5°	1687.1	1694.4	1698.8	1700.3	1698.8	1694.4	1687.1	1676.9	1663.9	1648.1	1629.6
50°	1915.4	1938.8	1952.9	1957.6	1952.9	1938.8	1915.4	1882.8	1841.3	1791.0	1732.1
47.5°	3364.2	3534.2	3636.7	3670.9	3636.7	3534.2	3364.2	3127.7	2826.3	2461.8	2036.3
45°	4838.6	4995.6	5090.3	5121.9	5090.3	4995.6	4838.6	4620.5	4342.7	4007.3	3606.5
42.5°	5360.4	5396.1	5417.7	5424.9	5417.7	5396.1	5360.4	5310.8	5247.7	5171.7	4936.5
40°	5564.9	5588.4	5602.6	5607.3	5602.6	5588.4	5564.9	5532.4	5491.1	5441.4	5356.5
37.5°	5649.8	5657.8	5662.7	5664.3	5662.7	5657.8	5649.8	5638.8	5624.7	5607.9	5546.6
35°	5470.2	5428.9	5404.0	5395.6	5404.0	5428.9	5470.2	5527.2	5599.3	5659.8	5638.6
32.5°	5035.5	4948.3	4895.4	4877.7	4895.4	4948.3	5035.5	5155.7	5307.2	5443.6	5551.6
30°	4790.0	4765.5	4750.7	4745.7	4750.7	4765.5	4790.0	4823.6	4865.8	5028.1	5253.9
27.5°	4948.6	5014.5	5054.7	5068.2	5054.7	5014.5	4948.6	4858.2	4745.9	4800.7	4863.2
25°	5573.4	5768.7	5888.0	5928.1	5888.0	5768.7	5573.4	5306.9	5033.4	4887.0	4755.7
22.5°	9501.2	11187.7	12222.3	12571.2	12222.3	11187.7	9501.2	7213.6	5728.4	5300.8	4975.0
20°	21730.3	27217.0	30602.7	31747.9	30602.7	27217.0	21730.3	14345.1	10050.8	6421.8	5468.3
17.5°	43100.8	52282.6	57994.8	59935.7	57994.8	52282.6	43100.8	31151.8	21074.3	11521.8	7115.4
15°	76707.5	97205.3	110111.4	114526.4	110111.4	97205.3	76707.5	54705.6	38137.7	23382.4	11521.8
12.5°	127935.0	162583.0	187563.9	197042.7	187563.9	162583.0	127935.0	93609.0	58729.6	38137.7	21074.3
10°	197935.2	255953.0	299357.9	314862.1	299357.9	255953.0	197935.2	140964.1	93609.0	54705.6	31151.8
7.5°	284766.8	362745.0	417536.9	436192.0	417536.9	362745.0	284766.8	197935.2	127935.0	76707.5	43100.8
5°	362745.0	456233.9	518765.1	541897.1	518765.1	456233.9	362745.0	255953.0	162583.0	97205.3	52282.6
2.5°	417536.9	518765.1	592963.2	628145.3	592963.2	518765.1	417536.9	299357.9	187563.9	110111.4	57994.8
0°	436192.0	541897.1	628145.3	680091.9	628145.3	541897.1	436192.0	314862.1	197042.7	114526.4	59935.7
-2.5°	417536.9	518765.1	592963.2	628145.3	592963.2	518765.1	417536.9	299357.9	187563.9	110111.4	57994.8
-5°	362745.0	456233.9	518765.1	541897.1	518765.1	456233.9	362745.0	255953.0	162583.0	97205.3	52282.6
-7.5°	284766.8	362745.0	417536.9	436192.0	417536.9	362745.0	284766.8	197935.2	127935.0	76707.5	43100.8
-10°	197935.2	255953.0	299357.9	314862.1	299357.9	255953.0	197935.2	140964.1	93609.0	54705.6	31151.8
-12.5°	127935.0	162583.0	187563.9	197042.7	187563.9	162583.0	127935.0	93609.0	58729.6	38137.7	21074.3
-15°	76707.5	97205.3	110111.4	114526.4	110111.4	97205.3	76707.5	54705.6	38137.7	23382.4	11521.8
-17.5°	43100.8	52282.6	57994.8	59935.7	57994.8	52282.6	43100.8	31151.8	21074.3	11521.8	7115.4
-20°	21730.3	27217.0	30602.7	31747.9	30602.7	27217.0	21730.3	14345.1	10050.8	6421.8	5468.3



REPORT NUMBER: P1305953 (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°	9501.2	11187.7	12222.3	12571.2	12222.3	11187.7	9501.2	7213.6	5728.4	5300.8	4975.0
-25°	5573.4	5768.7	5888.0	5928.1	5888.0	5768.7	5573.4	5306.9	5033.4	4887.0	4755.7
-27.5°	4948.6	5014.5	5054.7	5068.2	5054.7	5014.5	4948.6	4858.2	4745.9	4800.7	4863.2
-30°	4790.0	4765.5	4750.7	4745.7	4750.7	4765.5	4790.0	4823.6	4865.8	5028.1	5253.9
-32.5°	5035.5	4948.3	4895.4	4877.7	4895.4	4948.3	5035.5	5155.7	5307.2	5443.6	5551.6
-35°	5470.2	5428.9	5404.0	5395.6	5404.0	5428.9	5470.2	5527.2	5599.3	5659.8	5638.6
-37.5°	5649.8	5657.8	5662.7	5664.3	5662.7	5657.8	5649.8	5638.8	5624.7	5607.9	5546.6
-40°	5564.9	5588.4	5602.6	5607.3	5602.6	5588.4	5564.9	5532.4	5491.1	5441.4	5356.5
-42.5°	5360.4	5396.1	5417.7	5424.9	5417.7	5396.1	5360.4	5310.8	5247.7	5171.7	4936.5
-45°	4838.6	4995.6	5090.3	5121.9	5090.3	4995.6	4838.6	4620.5	4342.7	4007.3	3606.5
-47.5°	3364.2	3534.2	3636.7	3670.9	3636.7	3534.2	3364.2	3127.7	2826.3	2461.8	2036.3
-50°	1915.4	1938.8	1952.9	1957.6	1952.9	1938.8	1915.4	1882.8	1841.3	1791.0	1732.1
-52.5°	1687.1	1694.4	1698.8	1700.3	1698.8	1694.4	1687.1	1676.9	1663.9	1648.1	1629.6
-55°	1603.4	1608.3	1611.3	1612.3	1611.3	1608.3	1603.4	1596.5	1587.7	1577.0	1564.5
-57.5°	1522.2	1536.1	1544.4	1547.2	1544.4	1536.1	1522.2	1502.9	1478.2	1448.2	1413.1
-60°	1320.9	1335.3	1344.0	1346.9	1344.0	1335.3	1320.9	1300.8	1275.1	1243.9	1207.3
-62.5°	1092.0	1106.0	1114.4	1117.2	1114.4	1106.0	1092.0	1072.4	1047.4	1017.0	981.4
-65°	847.8	860.0	867.3	869.7	867.3	860.0	847.8	830.9	809.2	782.8	751.9
-67.5°	614.2	623.1	628.5	630.3	628.5	623.1	614.2	601.7	585.7	566.2	543.3
-70°	418.7	425.9	430.2	431.6	430.2	425.9	418.7	408.7	395.9	380.3	362.0
-72.5°	242.6	247.1	249.9	250.8	249.9	247.1	242.6	236.2	228.0	218.0	206.3
-75°	113.9	115.8	116.9	117.3	116.9	115.8	113.9	111.2	107.8	103.7	98.8
-77.5°	51.3	51.7	52.0	52.1	52.0	51.7	51.3	50.6	49.8	48.7	47.5
-80°	32.2	32.4	32.6	32.6	32.6	32.4	32.2	31.9	31.5	31.0	30.5
-82.5°	20.9	21.1	21.2	21.2	21.2	21.1	20.9	20.8	20.5	20.2	19.8
-85°	11.3	11.4	11.4	11.4	11.4	11.4	11.3	11.3	11.2	11.1	10.9
-87.5°	6.4	6.5	6.5	6.5	6.5	6.5	6.4	6.4	6.3	6.3	6.2
-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):

	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°	6.1	6.0	5.9	5.8	5.6	5.5	5.3	5.2	5.0	4.8	4.6
85°	10.8	10.7	10.5	10.3	10.1	9.9	9.6	9.4	9.1	8.8	8.5
82.5°	19.4	19.0	18.4	17.9	17.2	16.6	15.9	15.1	14.3	13.4	12.6
80°	29.8	29.1	28.3	27.4	26.4	25.4	24.3	23.1	21.9	20.6	19.4
77.5°	46.1	44.6	42.8	40.9	38.9	36.6	34.3	32.1	30.5	28.9	27.1
75°	93.2	86.9	79.9	72.2	63.9	54.9	50.1	47.0	43.8	40.4	36.9
72.5°	192.8	177.6	160.8	142.4	122.4	109.3	98.0	86.1	73.4	60.2	50.4
70°	341.0	317.4	291.1	262.4	236.3	211.6	185.1	157.0	127.4	107.0	91.1
67.5°	517.1	487.6	454.9	420.2	384.9	346.9	306.4	263.4	226.6	191.4	154.7
65°	716.4	676.5	632.3	591.8	548.4	501.6	451.8	401.9	351.3	298.2	244.8
62.5°	940.5	894.6	844.7	791.0	732.9	670.5	608.4	550.0	488.4	424.6	363.4
60°	1165.4	1118.3	1062.4	1001.1	934.9	864.1	791.0	713.7	632.3	561.3	487.6
57.5°	1372.9	1325.0	1268.0	1205.7	1138.4	1062.4	979.8	892.6	803.2	710.5	616.7
55°	1550.2	1507.1	1452.8	1393.5	1327.1	1248.6	1165.4	1074.4	975.1	871.4	767.0
52.5°	1609.5	1592.1	1572.9	1551.9	1492.5	1418.4	1338.8	1243.9	1144.5	1034.9	918.9
50°	1688.3	1662.7	1634.5	1606.1	1581.7	1555.7	1488.9	1399.9	1300.8	1189.7	1071.1
47.5°	1896.7	1815.7	1726.6	1676.2	1640.8	1605.4	1575.9	1540.0	1440.4	1335.3	1212.4
45°	3082.3	2498.6	1942.7	1838.7	1727.2	1669.0	1626.2	1589.5	1555.0	1460.8	1346.9
42.5°	4456.3	3922.8	3279.1	2534.5	1924.7	1797.9	1688.1	1640.4	1596.4	1558.3	1460.8
40°	5248.2	5128.1	4523.6	3847.2	3027.2	2126.4	1840.9	1697.7	1645.1	1596.4	1555.0
37.5°	5476.2	5380.7	5239.9	4962.7	4192.2	3327.0	2322.4	1855.4	1697.7	1640.4	1589.5
35°	5614.9	5547.7	5456.8	5316.0	5144.5	4366.6	3427.7	2322.4	1840.9	1688.1	1626.2
32.5°	5662.5	5634.4	5596.4	5492.4	5354.6	5163.3	4366.6	3327.0	2126.4	1797.9	1669.0
30°	5452.7	5595.5	5646.3	5611.6	5504.5	5354.6	5144.5	4192.2	3027.2	1924.7	1727.2
27.5°	5092.8	5388.6	5556.3	5650.3	5611.6	5492.4	5316.0	4962.7	3847.2	2534.5	1838.7
25°	4830.6	5010.7	5349.1	5556.3	5646.3	5596.4	5456.8	5239.9	4523.6	3279.1	1942.7
22.5°	4777.4	4819.6	5010.7	5388.6	5595.5	5634.4	5547.7	5380.7	5128.1	3922.8	2498.6
20°	5004.9	4777.4	4830.6	5092.8	5452.7	5662.5	5614.9	5476.2	5248.2	4456.3	3082.3
17.5°	5468.3	4975.0	4755.7	4863.2	5253.9	5551.6	5638.6	5546.6	5356.5	4936.5	3606.5
15°	6421.8	5300.8	4887.0	4800.7	5028.1	5443.6	5659.8	5607.9	5441.4	5171.7	4007.3
12.5°	10050.8	5728.4	5033.4	4745.9	4865.8	5307.2	5599.3	5624.7	5491.1	5247.7	4342.7
10°	14345.1	7213.6	5306.9	4858.2	4823.6	5155.7	5527.2	5638.8	5532.4	5310.8	4620.5
7.5°	21730.3	9501.2	5573.4	4948.6	4790.0	5035.5	5470.2	5649.8	5564.9	5360.4	4838.6
5°	27217.0	11187.7	5768.7	5014.5	4765.5	4948.3	5428.9	5657.8	5588.4	5396.1	4995.6
2.5°	30602.7	12222.3	5888.0	5054.7	4750.7	4895.4	5404.0	5662.7	5602.6	5417.7	5090.3
0°	31747.9	12571.2	5928.1	5068.2	4745.7	4877.7	5395.6	5664.3	5607.3	5424.9	5121.9
-2.5°	30602.7	12222.3	5888.0	5054.7	4750.7	4895.4	5404.0	5662.7	5602.6	5417.7	5090.3
-5°	27217.0	11187.7	5768.7	5014.5	4765.5	4948.3	5428.9	5657.8	5588.4	5396.1	4995.6
-7.5°	21730.3	9501.2	5573.4	4948.6	4790.0	5035.5	5470.2	5649.8	5564.9	5360.4	4838.6
-10°	14345.1	7213.6	5306.9	4858.2	4823.6	5155.7	5527.2	5638.8	5532.4	5310.8	4620.5
-12.5°	10050.8	5728.4	5033.4	4745.9	4865.8	5307.2	5599.3	5624.7	5491.1	5247.7	4342.7
-15°	6421.8	5300.8	4887.0	4800.7	5028.1	5443.6	5659.8	5607.9	5441.4	5171.7	4007.3
-17.5°	5468.3	4975.0	4755.7	4863.2	5253.9	5551.6	5638.6	5546.6	5356.5	4936.5	3606.5
-20°	5004.9	4777.4	4830.6	5092.8	5452.7	5662.5	5614.9	5476.2	5248.2	4456.3	3082.3



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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°	4777.4	4819.6	5010.7	5388.6	5595.5	5634.4	5547.7	5380.7	5128.1	3922.8	2498.6
-25°	4830.6	5010.7	5349.1	5556.3	5646.3	5596.4	5456.8	5239.9	4523.6	3279.1	1942.7
-27.5°	5092.8	5388.6	5556.3	5650.3	5611.6	5492.4	5316.0	4962.7	3847.2	2534.5	1838.7
-30°	5452.7	5595.5	5646.3	5611.6	5504.5	5354.6	5144.5	4192.2	3027.2	1924.7	1727.2
-32.5°	5662.5	5634.4	5596.4	5492.4	5354.6	5163.3	4366.6	3327.0	2126.4	1797.9	1669.0
-35°	5614.9	5547.7	5456.8	5316.0	5144.5	4366.6	3427.7	2322.4	1840.9	1688.1	1626.2
-37.5°	5476.2	5380.7	5239.9	4962.7	4192.2	3327.0	2322.4	1855.4	1697.7	1640.4	1589.5
-40°	5248.2	5128.1	4523.6	3847.2	3027.2	2126.4	1840.9	1697.7	1645.1	1596.4	1555.0
-42.5°	4456.3	3922.8	3279.1	2534.5	1924.7	1797.9	1688.1	1640.4	1596.4	1558.3	1460.8
-45°	3082.3	2498.6	1942.7	1838.7	1727.2	1669.0	1626.2	1589.5	1555.0	1460.8	1346.9
-47.5°	1896.7	1815.7	1726.6	1676.2	1640.8	1605.4	1575.9	1540.0	1440.4	1335.3	1212.4
-50°	1688.3	1662.7	1634.5	1606.1	1581.7	1555.7	1488.9	1399.9	1300.8	1189.7	1071.1
-52.5°	1609.5	1592.1	1572.9	1551.9	1492.5	1418.4	1338.8	1243.9	1144.5	1034.9	918.9
-55°	1550.2	1507.1	1452.8	1393.5	1327.1	1248.6	1165.4	1074.4	975.1	871.4	767.0
-57.5°	1372.9	1325.0	1268.0	1205.7	1138.4	1062.4	979.8	892.6	803.2	710.5	616.7
-60°	1165.4	1118.3	1062.4	1001.1	934.9	864.1	791.0	713.7	632.3	561.3	487.6
-62.5°	940.5	894.6	844.7	791.0	732.9	670.5	608.4	550.0	488.4	424.6	363.4
-65°	716.4	676.5	632.3	591.8	548.4	501.6	451.8	401.9	351.3	298.2	244.8
-67.5°	517.1	487.6	454.9	420.2	384.9	346.9	306.4	263.4	226.6	191.4	154.7
-70°	341.0	317.4	291.1	262.4	236.3	211.6	185.1	157.0	127.4	107.0	91.1
-72.5°	192.8	177.6	160.8	142.4	122.4	109.3	98.0	86.1	73.4	60.2	50.4
-75°	93.2	86.9	79.9	72.2	63.9	54.9	50.1	47.0	43.8	40.4	36.9
-77.5°	46.1	44.6	42.8	40.9	38.9	36.6	34.3	32.1	30.5	28.9	27.1
-80°	29.8	29.1	28.3	27.4	26.4	25.4	24.3	23.1	21.9	20.6	19.4
-82.5°	19.4	19.0	18.4	17.9	17.2	16.6	15.9	15.1	14.3	13.4	12.6
-85°	10.8	10.7	10.5	10.3	10.1	9.9	9.6	9.4	9.1	8.8	8.5
-87.5°	6.1	6.0	5.9	5.8	5.6	5.5	5.3	5.2	5.0	4.8	4.6
-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: P1305953 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-1S-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°	4.4	4.2	4.0	3.7	3.5	3.2	3.0	2.7	2.5	2.2	2.0
85°	8.2	7.9	7.6	7.2	6.9	6.5	6.0	5.5	5.0	4.4	3.9
82.5°	11.6	11.0	10.5	10.0	9.5	8.9	8.4	7.8	7.2	6.6	5.8
80°	18.2	16.9	15.6	14.2	12.8	11.4	10.6	9.8	9.1	8.3	7.5
77.5°	25.3	23.5	21.5	19.8	18.0	16.2	14.3	12.4	10.9	9.9	8.9
75°	33.1	30.7	28.3	25.9	23.5	20.9	18.7	16.4	14.1	11.7	10.3
72.5°	46.0	41.5	36.9	32.3	29.4	26.4	23.4	20.4	17.7	14.9	12.1
70°	74.5	57.3	48.3	42.8	37.2	31.9	28.4	24.9	21.3	18.1	14.9
67.5°	116.9	97.5	77.4	56.8	47.2	40.6	34.0	29.4	25.4	21.3	17.7
65°	202.2	158.0	114.9	92.0	68.4	49.8	42.4	34.9	29.4	24.9	20.4
62.5°	299.8	238.3	188.1	136.4	100.7	74.2	50.6	42.4	34.0	28.4	23.4
60°	413.0	341.0	266.8	206.3	148.5	103.7	74.2	49.8	40.6	31.9	26.4
57.5°	533.7	447.8	365.9	283.3	212.3	148.5	100.7	68.4	47.2	37.2	29.4
55°	659.0	561.5	466.3	374.3	283.3	206.3	136.4	92.0	56.8	42.8	32.3
52.5°	801.2	681.6	570.9	466.3	365.9	266.8	188.1	114.9	77.4	48.3	36.9
50°	942.8	812.7	681.6	561.5	447.8	341.0	238.3	158.0	97.5	57.3	41.5
47.5°	1083.2	942.8	801.2	659.0	533.7	413.0	299.8	202.2	116.9	74.5	46.0
45°	1212.4	1071.1	918.9	767.0	616.7	487.6	363.4	244.8	154.7	91.1	50.4
42.5°	1335.3	1189.7	1034.9	871.4	710.5	561.3	424.6	298.2	191.4	107.0	60.2
40°	1440.4	1300.8	1144.5	975.1	803.2	632.3	488.4	351.3	226.6	127.4	73.4
37.5°	1540.0	1399.9	1243.9	1074.4	892.6	713.7	550.0	401.9	263.4	157.0	86.1
35°	1575.9	1488.9	1338.8	1165.4	979.8	791.0	608.4	451.8	306.4	185.1	98.0
32.5°	1605.4	1555.7	1418.4	1248.6	1062.4	864.1	670.5	501.6	346.9	211.6	109.3
30°	1640.8	1581.7	1492.5	1327.1	1138.4	934.9	732.9	548.4	384.9	236.3	122.4
27.5°	1676.2	1606.1	1551.9	1393.5	1205.7	1001.1	791.0	591.8	420.2	262.4	142.4
25°	1726.6	1634.5	1572.9	1452.8	1268.0	1062.4	844.7	632.3	454.9	291.1	160.8
22.5°	1815.7	1662.7	1592.1	1507.1	1325.0	1118.3	894.6	676.5	487.6	317.4	177.6
20°	1896.7	1688.3	1609.5	1550.2	1372.9	1165.4	940.5	716.4	517.1	341.0	192.8
17.5°	2036.3	1732.1	1629.6	1564.5	1413.1	1207.3	981.4	751.9	543.3	362.0	206.3
15°	2461.8	1791.0	1648.1	1577.0	1448.2	1243.9	1017.0	782.8	566.2	380.3	218.0
12.5°	2826.3	1841.3	1663.9	1587.7	1478.2	1275.1	1047.4	809.2	585.7	395.9	228.0
10°	3127.7	1882.8	1676.9	1596.5	1502.9	1300.8	1072.4	830.9	601.7	408.7	236.2
7.5°	3364.2	1915.4	1687.1	1603.4	1522.2	1320.9	1092.0	847.8	614.2	418.7	242.6
5°	3534.2	1938.8	1694.4	1608.3	1536.1	1335.3	1106.0	860.0	623.1	425.9	247.1
2.5°	3636.7	1952.9	1698.8	1611.3	1544.4	1344.0	1114.4	867.3	628.5	430.2	249.9
0°	3670.9	1957.6	1700.3	1612.3	1547.2	1346.9	1117.2	869.7	630.3	431.6	250.8
-2.5°	3636.7	1952.9	1698.8	1611.3	1544.4	1344.0	1114.4	867.3	628.5	430.2	249.9
-5°	3534.2	1938.8	1694.4	1608.3	1536.1	1335.3	1106.0	860.0	623.1	425.9	247.1
-7.5°	3364.2	1915.4	1687.1	1603.4	1522.2	1320.9	1092.0	847.8	614.2	418.7	242.6
-10°	3127.7	1882.8	1676.9	1596.5	1502.9	1300.8	1072.4	830.9	601.7	408.7	236.2
-12.5°	2826.3	1841.3	1663.9	1587.7	1478.2	1275.1	1047.4	809.2	585.7	395.9	228.0
-15°	2461.8	1791.0	1648.1	1577.0	1448.2	1243.9	1017.0	782.8	566.2	380.3	218.0
-17.5°	2036.3	1732.1	1629.6	1564.5	1413.1	1207.3	981.4	751.9	543.3	362.0	206.3
-20°	1896.7	1688.3	1609.5	1550.2	1372.9	1165.4	940.5	716.4	517.1	341.0	192.8



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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°	1815.7	1662.7	1592.1	1507.1	1325.0	1118.3	894.6	676.5	487.6	317.4	177.6
-25°	1726.6	1634.5	1572.9	1452.8	1268.0	1062.4	844.7	632.3	454.9	291.1	160.8
-27.5°	1676.2	1606.1	1551.9	1393.5	1205.7	1001.1	791.0	591.8	420.2	262.4	142.4
-30°	1640.8	1581.7	1492.5	1327.1	1138.4	934.9	732.9	548.4	384.9	236.3	122.4
-32.5°	1605.4	1555.7	1418.4	1248.6	1062.4	864.1	670.5	501.6	346.9	211.6	109.3
-35°	1575.9	1488.9	1338.8	1165.4	979.8	791.0	608.4	451.8	306.4	185.1	98.0
-37.5°	1540.0	1399.9	1243.9	1074.4	892.6	713.7	550.0	401.9	263.4	157.0	86.1
-40°	1440.4	1300.8	1144.5	975.1	803.2	632.3	488.4	351.3	226.6	127.4	73.4
-42.5°	1335.3	1189.7	1034.9	871.4	710.5	561.3	424.6	298.2	191.4	107.0	60.2
-45°	1212.4	1071.1	918.9	767.0	616.7	487.6	363.4	244.8	154.7	91.1	50.4
-47.5°	1083.2	942.8	801.2	659.0	533.7	413.0	299.8	202.2	116.9	74.5	46.0
-50°	942.8	812.7	681.6	561.5	447.8	341.0	238.3	158.0	97.5	57.3	41.5
-52.5°	801.2	681.6	570.9	466.3	365.9	266.8	188.1	114.9	77.4	48.3	36.9
-55°	659.0	561.5	466.3	374.3	283.3	206.3	136.4	92.0	56.8	42.8	32.3
-57.5°	533.7	447.8	365.9	283.3	212.3	148.5	100.7	68.4	47.2	37.2	29.4
-60°	413.0	341.0	266.8	206.3	148.5	103.7	74.2	49.8	40.6	31.9	26.4
-62.5°	299.8	238.3	188.1	136.4	100.7	74.2	50.6	42.4	34.0	28.4	23.4
-65°	202.2	158.0	114.9	92.0	68.4	49.8	42.4	34.9	29.4	24.9	20.4
-67.5°	116.9	97.5	77.4	56.8	47.2	40.6	34.0	29.4	25.4	21.3	17.7
-70°	74.5	57.3	48.3	42.8	37.2	31.9	28.4	24.9	21.3	18.1	14.9
-72.5°	46.0	41.5	36.9	32.3	29.4	26.4	23.4	20.4	17.7	14.9	12.1
-75°	33.1	30.7	28.3	25.9	23.5	20.9	18.7	16.4	14.1	11.7	10.3
-77.5°	25.3	23.5	21.5	19.8	18.0	16.2	14.3	12.4	10.9	9.9	8.9
-80°	18.2	16.9	15.6	14.2	12.8	11.4	10.6	9.8	9.1	8.3	7.5
-82.5°	11.6	11.0	10.5	10.0	9.5	8.9	8.4	7.8	7.2	6.6	5.8
-85°	8.2	7.9	7.6	7.2	6.9	6.5	6.0	5.5	5.0	4.4	3.9
-87.5°	4.4	4.2	4.0	3.7	3.5	3.2	3.0	2.7	2.5	2.2	2.0
-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):

	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°	1.7	1.4	1.1	0.8	0.6	0.3	0.0
85°	3.4	2.8	2.3	1.7	1.1	0.6	0.0
82.5°	5.0	4.2	3.4	2.5	1.7	0.8	0.0
80°	6.6	5.6	4.5	3.4	2.3	1.1	0.0
77.5°	7.9	6.9	5.6	4.2	2.8	1.4	0.0
75°	9.1	7.9	6.6	5.0	3.4	1.7	0.0
72.5°	10.3	8.9	7.5	5.8	3.9	2.0	0.0
70°	11.7	9.9	8.3	6.6	4.4	2.2	0.0
67.5°	14.1	10.9	9.1	7.2	5.0	2.5	0.0
65°	16.4	12.4	9.8	7.8	5.5	2.7	0.0
62.5°	18.7	14.3	10.6	8.4	6.0	3.0	0.0
60°	20.9	16.2	11.4	8.9	6.5	3.2	0.0
57.5°	23.5	18.0	12.8	9.5	6.9	3.5	0.0
55°	25.9	19.8	14.2	10.0	7.2	3.7	0.0
52.5°	28.3	21.5	15.6	10.5	7.6	4.0	0.0
50°	30.7	23.5	16.9	11.0	7.9	4.2	0.0
47.5°	33.1	25.3	18.2	11.6	8.2	4.4	0.0
45°	36.9	27.1	19.4	12.6	8.5	4.6	0.0
42.5°	40.4	28.9	20.6	13.4	8.8	4.8	0.0
40°	43.8	30.5	21.9	14.3	9.1	5.0	0.0
37.5°	47.0	32.1	23.1	15.1	9.4	5.2	0.0
35°	50.1	34.3	24.3	15.9	9.6	5.3	0.0
32.5°	54.9	36.6	25.4	16.6	9.9	5.5	0.0
30°	63.9	38.9	26.4	17.2	10.1	5.6	0.0
27.5°	72.2	40.9	27.4	17.9	10.3	5.8	0.0
25°	79.9	42.8	28.3	18.4	10.5	5.9	0.0
22.5°	86.9	44.6	29.1	19.0	10.7	6.0	0.0
20°	93.2	46.1	29.8	19.4	10.8	6.1	0.0
17.5°	98.8	47.5	30.5	19.8	10.9	6.2	0.0
15°	103.7	48.7	31.0	20.2	11.1	6.3	0.0
12.5°	107.8	49.8	31.5	20.5	11.2	6.3	0.0
10°	111.2	50.6	31.9	20.8	11.3	6.4	0.0
7.5°	113.9	51.3	32.2	20.9	11.3	6.4	0.0
5°	115.8	51.7	32.4	21.1	11.4	6.5	0.0
2.5°	116.9	52.0	32.6	21.2	11.4	6.5	0.0
0°	117.3	52.1	32.6	21.2	11.4	6.5	0.0
-2.5°	116.9	52.0	32.6	21.2	11.4	6.5	0.0
-5°	115.8	51.7	32.4	21.1	11.4	6.5	0.0
-7.5°	113.9	51.3	32.2	20.9	11.3	6.4	0.0
-10°	111.2	50.6	31.9	20.8	11.3	6.4	0.0
-12.5°	107.8	49.8	31.5	20.5	11.2	6.3	0.0
-15°	103.7	48.7	31.0	20.2	11.1	6.3	0.0
-17.5°	98.8	47.5	30.5	19.8	10.9	6.2	0.0
-20°	93.2	46.1	29.8	19.4	10.8	6.1	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	86.9	44.6	29.1	19.0	10.7	6.0	0.0
-25°	79.9	42.8	28.3	18.4	10.5	5.9	0.0
-27.5°	72.2	40.9	27.4	17.9	10.3	5.8	0.0
-30°	63.9	38.9	26.4	17.2	10.1	5.6	0.0
-32.5°	54.9	36.6	25.4	16.6	9.9	5.5	0.0
-35°	50.1	34.3	24.3	15.9	9.6	5.3	0.0
-37.5°	47.0	32.1	23.1	15.1	9.4	5.2	0.0
-40°	43.8	30.5	21.9	14.3	9.1	5.0	0.0
-42.5°	40.4	28.9	20.6	13.4	8.8	4.8	0.0
-45°	36.9	27.1	19.4	12.6	8.5	4.6	0.0
-47.5°	33.1	25.3	18.2	11.6	8.2	4.4	0.0
-50°	30.7	23.5	16.9	11.0	7.9	4.2	0.0
-52.5°	28.3	21.5	15.6	10.5	7.6	4.0	0.0
-55°	25.9	19.8	14.2	10.0	7.2	3.7	0.0
-57.5°	23.5	18.0	12.8	9.5	6.9	3.5	0.0
-60°	20.9	16.2	11.4	8.9	6.5	3.2	0.0
-62.5°	18.7	14.3	10.6	8.4	6.0	3.0	0.0
-65°	16.4	12.4	9.8	7.8	5.5	2.7	0.0
-67.5°	14.1	10.9	9.1	7.2	5.0	2.5	0.0
-70°	11.7	9.9	8.3	6.6	4.4	2.2	0.0
-72.5°	10.3	8.9	7.5	5.8	3.9	2.0	0.0
-75°	9.1	7.9	6.6	5.0	3.4	1.7	0.0
-77.5°	7.9	6.9	5.6	4.2	2.8	1.4	0.0
-80°	6.6	5.6	4.5	3.4	2.3	1.1	0.0
-82.5°	5.0	4.2	3.4	2.5	1.7	0.8	0.0
-85°	3.4	2.8	2.3	1.7	1.1	0.6	0.0
-87.5°	1.7	1.4	1.1	0.8	0.6	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)