

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: P1305981 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680N-57-70-5S-HEG-A**

Issue Date: 2/3/2026

Test Information

Test Method: LM-79-08
Report Number: P1305981 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-5)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-08-680N-57-70-5S-HEG-A
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 5S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

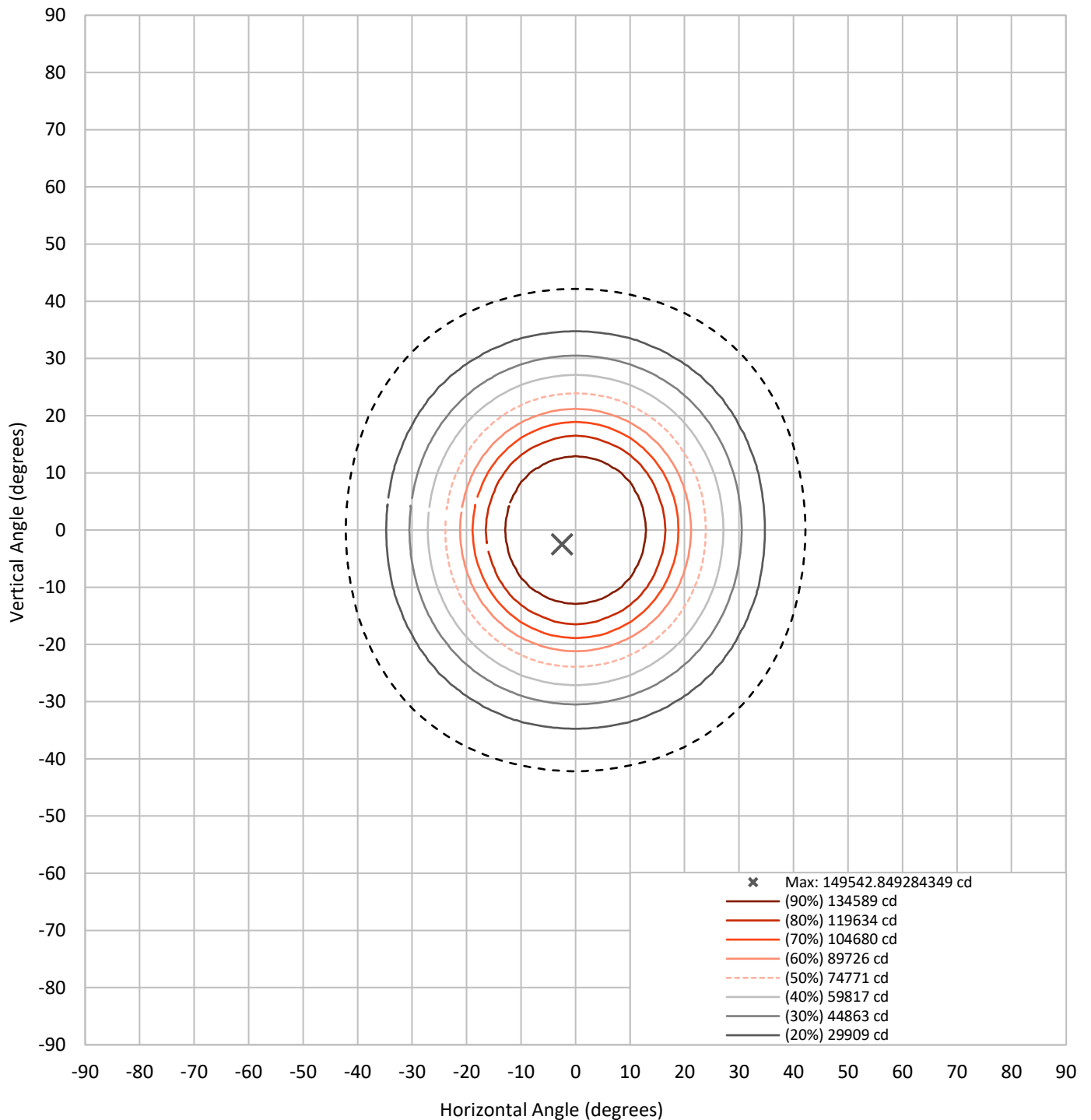
Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	109306.8 lumens	Max Intensity:	149542.8 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x -2.5°V
Efficacy:	158.9 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	47.6°H x 47.6°V	Field Angle (10%):	84.3°H x 84.3°V
Beam Lumens:	61321.1 lumens	Field Lumens:	101846.8 lumens
Beam Efficiency:	56.1%	Field Efficiency:	93.2%

Input Watts (W): 688
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





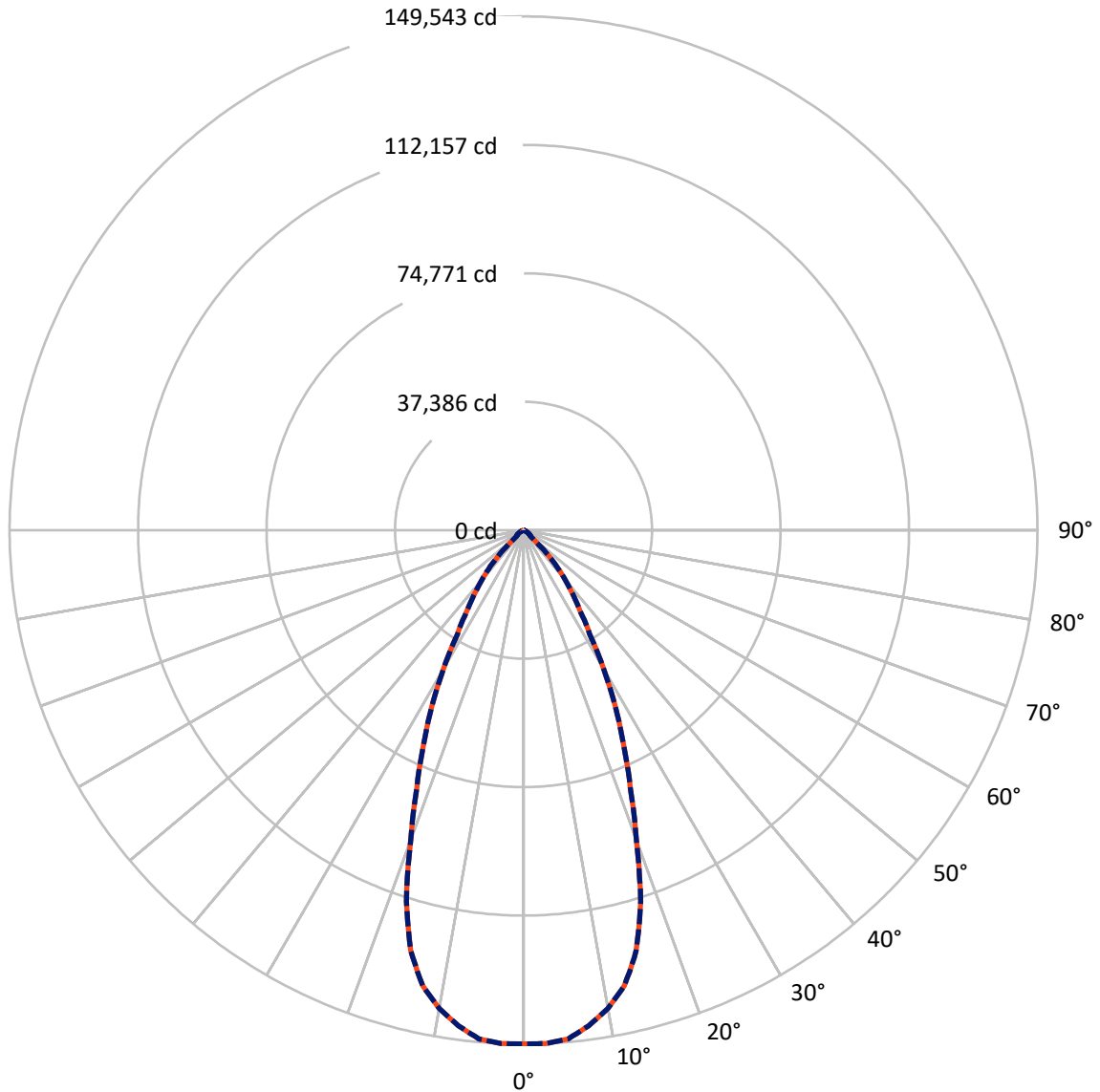
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Lumen Table

90	0.1	1.0	3.4	7.4	9.4	7.4	3.4	1.0	0.1							
80	0.1	1.0	3.4	7.4	9.4	7.4	3.4	1.0	0.1							
70	0.5	0.6	1.8	4.7	9.7	15.8	21.3	24.5	24.5	21.3	15.8	9.7	4.7	1.8	0.6	0.5
60		1.4	5.5	15.1	29.4	44.9	56.6	62.9	62.9	56.6	44.9	29.4	15.1	5.5	1.4	
50	1.1	2.9	12.3	31.3	54.0	97.3	198.1	278.9	278.9	198.1	97.3	54.0	31.3	12.3	2.9	1.1
40		5.2	20.9	46.7	135.7	410.7	693.4	888.4	888.4	693.4	410.7	135.7	46.7	20.9	5.2	
30	2.1	7.6	28.8	76.8	373.1	848.9	1519.3	2039.1	2039.1	1519.3	848.9	373.1	76.8	28.8	7.6	2.1
20		9.7	34.0	148.5	591.8	1429.8	2656.9	3619.8	3619.8	2656.9	1429.8	591.8	148.5	34.0	9.7	
10	2.5	10.8	36.6	203.0	736.4	1863.0	3514.4	4386.9	4386.9	3514.4	1863.0	736.4	203.0	36.6	10.8	2.5
0		10.8	36.6	203.0	736.4	1863.0	3514.4	4386.9	4386.9	3514.4	1863.0	736.4	203.0	36.6	10.8	
-10	2.1	9.7	34.0	148.5	591.8	1429.8	2656.9	3619.8	3619.8	2656.9	1429.8	591.8	148.5	34.0	9.7	2.1
-20		7.6	28.8	76.8	373.1	848.9	1519.3	2039.1	2039.1	1519.3	848.9	373.1	76.8	28.8	7.6	
-30	1.1	5.2	20.9	46.7	135.7	410.7	693.4	888.4	888.4	693.4	410.7	135.7	46.7	20.9	5.2	1.1
-40		2.9	12.3	31.3	54.0	97.3	198.1	278.9	278.9	198.1	97.3	54.0	31.3	12.3	2.9	
-50	0.5	1.4	5.5	15.1	29.4	44.9	56.6	62.9	62.9	56.6	44.9	29.4	15.1	5.5	1.4	0.5
-60		0.6	1.8	4.7	9.7	15.8	21.3	24.5	24.5	21.3	15.8	9.7	4.7	1.8	0.6	
-70	0.1	1.0	3.4	7.4	9.4	7.4	3.4	1.0	0.1							
-80		0.1	1.0	3.4	7.4	9.4	7.4	3.4	1.0	0.1						
-90	0.1	1.0	3.4	7.4	9.4	7.4	3.4	1.0	0.1							

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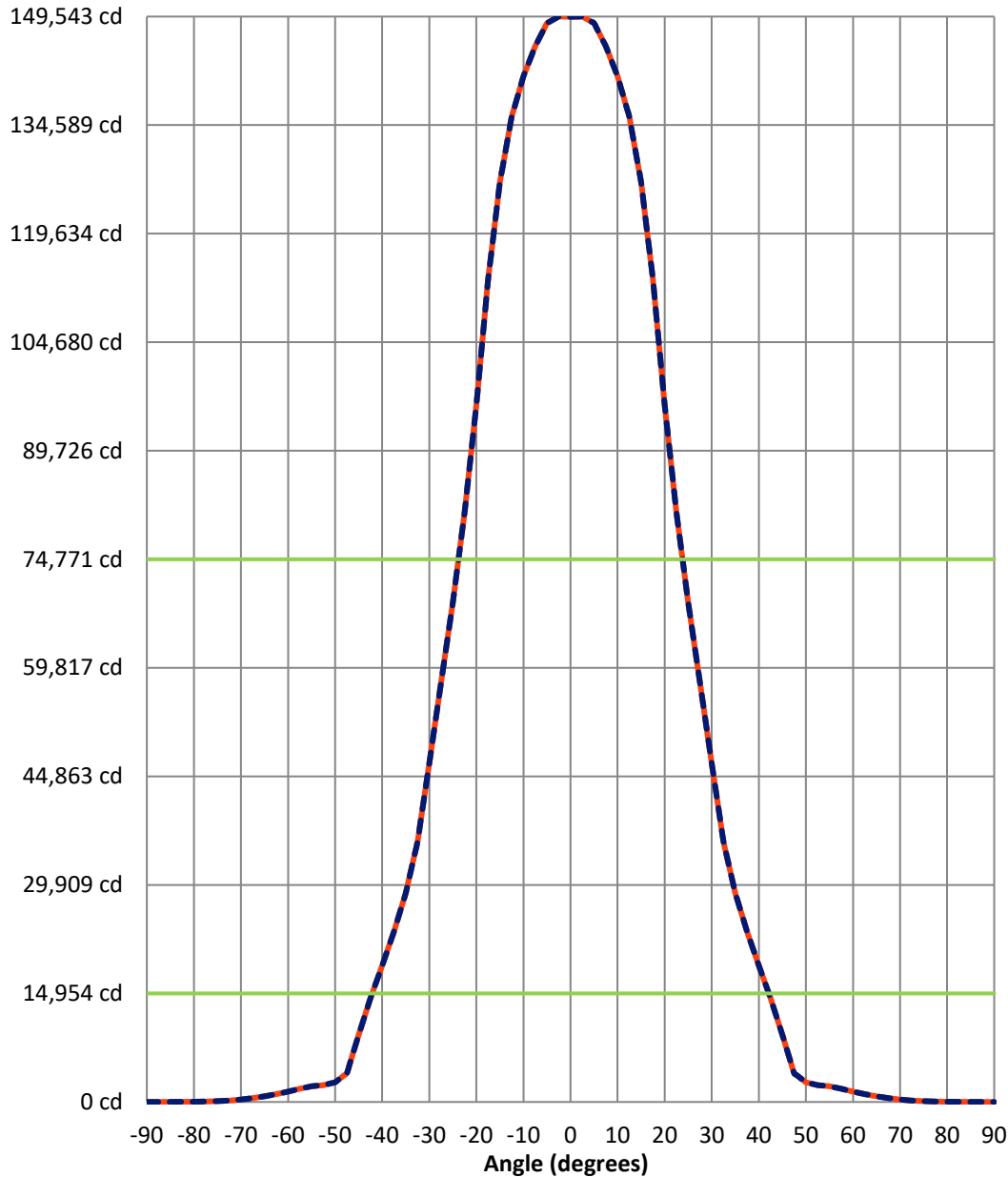
Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg - - - Horizontal Distribution Through -2.5-Deg

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Luminous Intensity Plot



Beam:
H Angle: 47.6°
V Angle: 47.6°
Lumens: 61321.1
Efficiency: 56.1%

Field:
H Angle: 84.3°
V Angle: 84.3°
Lumens: 101846.8
Efficiency: 93.2%

Spill:
Lumens: 7459.9
Efficiency: 6.8%

— Vertical Distribution through -2.5-Deg
- - Horizontal Distribution through -2.5-Deg



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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.3	0.6	1.0	1.3	1.6	1.9	2.2	2.5	2.8	3.1
85°	0.0	0.6	1.3	1.9	2.5	3.2	3.8	4.4	5.0	5.6	6.2
82.5°	0.0	1.0	1.9	2.9	3.8	4.7	5.7	6.6	7.5	8.3	9.2
80°	0.0	1.3	2.5	3.8	5.0	6.3	7.5	8.7	9.9	11.1	12.2
77.5°	0.0	1.6	3.2	4.7	6.3	7.8	9.3	10.8	12.3	13.8	15.4
75°	0.0	1.9	3.8	5.7	7.5	9.3	11.2	13.0	14.8	17.0	19.2
72.5°	0.0	2.2	4.4	6.6	8.7	10.8	13.0	15.2	17.8	20.4	22.9
70°	0.0	2.5	5.0	7.5	9.9	12.3	14.8	17.8	20.8	23.7	27.7
67.5°	0.0	2.8	5.6	8.3	11.1	13.8	17.0	20.4	23.7	28.3	32.8
65°	0.0	3.1	6.2	9.2	12.2	15.4	19.2	22.9	27.7	32.8	39.6
62.5°	0.0	3.4	6.7	10.1	13.3	17.2	21.3	26.0	31.7	38.4	50.8
60°	0.0	3.6	7.3	10.9	14.4	18.9	23.4	29.4	35.5	48.3	61.8
57.5°	0.0	3.9	7.8	11.7	15.8	20.6	26.1	32.7	43.1	57.9	78.5
55°	0.0	4.2	8.4	12.5	17.1	22.3	28.9	36.0	51.5	69.1	97.5
52.5°	0.0	4.4	8.9	13.2	18.4	24.0	31.6	42.7	59.7	85.8	116.1
50°	0.0	4.7	9.3	14.0	19.6	26.1	34.1	49.6	69.5	102.0	141.2
47.5°	0.0	4.9	9.8	14.7	20.8	28.2	37.1	56.3	83.4	117.6	166.5
45°	0.0	5.2	10.3	15.6	22.0	30.2	42.6	62.7	96.8	139.3	190.8
42.5°	0.0	5.4	10.7	16.4	23.1	32.1	47.9	71.8	109.7	160.3	232.2
40°	0.0	5.6	11.1	17.2	24.3	34.0	53.0	82.5	123.8	180.4	274.9
37.5°	0.0	5.8	11.5	17.9	25.7	35.7	57.7	92.7	140.7	204.3	315.6
35°	0.0	6.0	11.9	18.6	27.0	38.8	62.3	102.4	156.7	238.9	359.5
32.5°	0.0	6.2	12.2	19.3	28.3	42.3	67.6	111.5	171.8	271.4	409.1
30°	0.0	6.3	12.6	19.9	29.4	45.6	74.8	120.9	186.0	301.9	455.6
27.5°	0.0	6.5	12.9	20.5	30.5	48.7	81.6	132.3	203.5	330.3	498.9
25°	0.0	6.6	13.1	21.0	31.5	51.5	87.8	142.8	226.6	362.6	539.3
22.5°	0.0	6.7	13.4	21.5	32.4	54.1	93.4	152.4	247.7	395.2	584.8
20°	0.0	6.9	13.6	21.9	33.2	56.4	98.5	161.1	266.6	424.5	625.9
17.5°	0.0	7.0	13.8	22.3	33.9	58.5	103.0	168.8	283.5	450.6	662.5
15°	0.0	7.1	14.0	22.7	34.6	60.3	107.0	175.5	298.2	473.4	694.5
12.5°	0.0	7.1	14.2	22.9	35.1	61.8	110.3	181.2	310.7	492.8	721.6
10°	0.0	7.2	14.3	23.2	35.5	63.1	113.1	185.8	321.0	508.7	744.0
7.5°	0.0	7.2	14.4	23.4	35.9	64.0	115.2	189.5	329.0	521.1	761.5
5°	0.0	7.3	14.4	23.5	36.1	64.7	116.8	192.1	334.8	530.1	774.0
2.5°	0.0	7.3	14.5	23.6	36.3	65.2	117.7	193.7	338.2	535.4	781.5
0°	0.0	7.3	14.5	23.6	36.3	65.3	118.0	194.2	339.4	537.2	784.0
-2.5°	0.0	7.3	14.5	23.6	36.3	65.3	118.0	194.2	339.4	537.2	784.0
-5°	0.0	7.3	14.4	23.5	36.1	64.7	116.8	192.1	334.8	530.1	774.0
-7.5°	0.0	7.2	14.4	23.4	35.9	64.0	115.2	189.5	329.0	521.1	761.5
-10°	0.0	7.2	14.3	23.2	35.5	63.1	113.1	185.8	321.0	508.7	744.0
-12.5°	0.0	7.1	14.2	22.9	35.1	61.8	110.3	181.2	310.7	492.8	721.6
-15°	0.0	7.1	14.0	22.7	34.6	60.3	107.0	175.5	298.2	473.4	694.5
-17.5°	0.0	7.0	13.8	22.3	33.9	58.5	103.0	168.8	283.5	450.6	662.5
-20°	0.0	6.9	13.6	21.9	33.2	56.4	98.5	161.1	266.6	424.5	625.9



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 CATALOG NUMBER: EPH-08-680N-57-70-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	6.7	13.4	21.5	32.4	54.1	93.4	152.4	247.7	395.2	584.8
-25°	0.0	6.6	13.1	21.0	31.5	51.5	87.8	142.8	226.6	362.6	539.3
-27.5°	0.0	6.5	12.9	20.5	30.5	48.7	81.6	132.3	203.5	330.3	498.9
-30°	0.0	6.3	12.6	19.9	29.4	45.6	74.8	120.9	186.0	301.9	455.6
-32.5°	0.0	6.2	12.2	19.3	28.3	42.3	67.6	111.5	171.8	271.4	409.1
-35°	0.0	6.0	11.9	18.6	27.0	38.8	62.3	102.4	156.7	238.9	359.5
-37.5°	0.0	5.8	11.5	17.9	25.7	35.7	57.7	92.7	140.7	204.3	315.6
-40°	0.0	5.6	11.1	17.2	24.3	34.0	53.0	82.5	123.8	180.4	274.9
-42.5°	0.0	5.4	10.7	16.4	23.1	32.1	47.9	71.8	109.7	160.3	232.2
-45°	0.0	5.2	10.3	15.6	22.0	30.2	42.6	62.7	96.8	139.3	190.8
-47.5°	0.0	4.9	9.8	14.7	20.8	28.2	37.1	56.3	83.4	117.6	166.5
-50°	0.0	4.7	9.3	14.0	19.6	26.1	34.1	49.6	69.5	102.0	141.2
-52.5°	0.0	4.4	8.9	13.2	18.4	24.0	31.6	42.7	59.7	85.8	116.1
-55°	0.0	4.2	8.4	12.5	17.1	22.3	28.9	36.0	51.5	69.1	97.5
-57.5°	0.0	3.9	7.8	11.7	15.8	20.6	26.1	32.7	43.1	57.9	78.5
-60°	0.0	3.6	7.3	10.9	14.4	18.9	23.4	29.4	35.5	48.3	61.8
-62.5°	0.0	3.4	6.7	10.1	13.3	17.2	21.3	26.0	31.7	38.4	50.8
-65°	0.0	3.1	6.2	9.2	12.2	15.4	19.2	22.9	27.7	32.8	39.6
-67.5°	0.0	2.8	5.6	8.3	11.1	13.8	17.0	20.4	23.7	28.3	32.8
-70°	0.0	2.5	5.0	7.5	9.9	12.3	14.8	17.8	20.8	23.7	27.7
-72.5°	0.0	2.2	4.4	6.6	8.7	10.8	13.0	15.2	17.8	20.4	22.9
-75°	0.0	1.9	3.8	5.7	7.5	9.3	11.2	13.0	14.8	17.0	19.2
-77.5°	0.0	1.6	3.2	4.7	6.3	7.8	9.3	10.8	12.3	13.8	15.4
-80°	0.0	1.3	2.5	3.8	5.0	6.3	7.5	8.7	9.9	11.1	12.2
-82.5°	0.0	1.0	1.9	2.9	3.8	4.7	5.7	6.6	7.5	8.3	9.2
-85°	0.0	0.6	1.3	1.9	2.5	3.2	3.8	4.4	5.0	5.6	6.2
-87.5°	0.0	0.3	0.6	1.0	1.3	1.6	1.9	2.2	2.5	2.8	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



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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°	3.4	3.6	3.9	4.2	4.4	4.7	4.9	5.2	5.4	5.6	5.8
85°	6.7	7.3	7.8	8.4	8.9	9.3	9.8	10.3	10.7	11.1	11.5
82.5°	10.1	10.9	11.7	12.5	13.2	14.0	14.7	15.6	16.4	17.2	17.9
80°	13.3	14.4	15.8	17.1	18.4	19.6	20.8	22.0	23.1	24.3	25.7
77.5°	17.2	18.9	20.6	22.3	24.0	26.1	28.2	30.2	32.1	34.0	35.7
75°	21.3	23.4	26.1	28.9	31.6	34.1	37.1	42.6	47.9	53.0	57.7
72.5°	26.0	29.4	32.7	36.0	42.7	49.6	56.3	62.7	71.8	82.5	92.7
70°	31.7	35.5	43.1	51.5	59.7	69.5	83.4	96.8	109.7	123.8	140.7
67.5°	38.4	48.3	57.9	69.1	85.8	102.0	117.6	139.3	160.3	180.4	204.3
65°	50.8	61.8	78.5	97.5	116.1	141.2	166.5	190.8	232.2	274.9	315.6
62.5°	63.1	83.2	104.6	128.9	158.4	187.1	233.5	284.6	333.8	396.0	457.2
60°	83.2	107.0	135.8	168.8	207.0	266.6	324.5	395.2	468.5	539.3	623.1
57.5°	104.6	135.8	172.2	220.3	286.7	355.6	441.0	523.7	619.8	715.4	811.8
55°	128.9	168.8	220.3	293.4	373.9	468.7	566.7	678.1	786.0	912.3	1033.2
52.5°	158.4	207.0	286.7	373.9	478.0	590.1	713.4	843.9	985.1	1126.7	1277.5
50°	187.1	266.6	355.6	468.7	590.1	725.2	873.0	1029.1	1195.2	1363.9	1538.4
47.5°	233.5	324.5	441.0	566.7	713.4	873.0	1043.9	1229.8	1416.3	1618.4	1815.2
45°	284.6	395.2	523.7	678.1	843.9	1029.1	1229.8	1433.8	1658.8	1870.0	2051.0
42.5°	333.8	468.5	619.8	786.0	985.1	1195.2	1416.3	1658.8	1887.7	2087.0	2219.2
40°	396.0	539.3	715.4	912.3	1126.7	1363.9	1618.4	1870.0	2087.0	2227.4	2318.5
37.5°	457.2	623.1	811.8	1033.2	1277.5	1538.4	1815.2	2051.0	2219.2	2318.5	2561.5
35°	515.4	702.9	918.0	1158.4	1421.5	1714.2	1979.7	2194.8	2301.8	2539.3	2989.6
32.5°	578.6	778.2	1018.6	1284.7	1575.0	1874.2	2134.5	2268.8	2473.2	2844.1	3735.6
30°	642.9	863.4	1117.4	1403.7	1721.3	2010.4	2219.9	2364.3	2668.1	3512.9	5920.9
27.5°	702.9	944.0	1219.5	1525.9	1854.3	2138.0	2281.3	2535.8	3147.1	4643.7	8773.5
25°	758.2	1018.6	1314.0	1642.9	1963.9	2209.1	2363.4	2695.9	3700.0	7148.1	11327.6
22.5°	814.4	1087.0	1400.6	1750.2	2064.6	2257.9	2500.4	3120.4	4923.5	9465.4	13670.9
20°	870.2	1158.4	1485.1	1845.0	2156.0	2302.2	2625.1	3553.8	6898.9	11464.7	15674.8
17.5°	919.9	1222.0	1564.5	1919.9	2200.6	2372.0	2777.1	3943.1	8676.6	13268.4	17417.5
15°	963.4	1277.5	1633.9	1985.5	2232.6	2462.4	3093.1	5236.2	10191.2	14815.2	18964.5
12.5°	1000.4	1324.9	1693.1	2041.6	2259.9	2539.8	3363.7	6478.1	11457.2	16044.5	20353.8
10°	1030.8	1363.9	1741.9	2087.7	2282.5	2603.7	3587.5	7506.5	12507.1	17065.8	21510.6
7.5°	1054.6	1394.4	1780.1	2123.9	2300.1	2653.8	3763.1	8314.2	13332.8	17870.4	22423.6
5°	1071.6	1416.3	1807.4	2149.8	2312.8	2689.8	3889.4	8895.4	13927.6	18450.6	23083.1
2.5°	1081.9	1429.4	1823.9	2165.4	2320.4	2711.5	3965.5	9245.9	14286.5	18801.1	23481.8
0°	1085.3	1433.8	1829.4	2170.6	2323.0	2718.7	3990.9	9363.0	14406.5	18918.3	23615.2
-2.5°	1081.9	1429.4	1823.9	2165.4	2320.4	2711.5	3965.5	9245.9	14286.5	18801.1	23481.8
-5°	1071.6	1416.3	1807.4	2149.8	2312.8	2689.8	3889.4	8895.4	13927.6	18450.6	23083.1
-7.5°	1054.6	1394.4	1780.1	2123.9	2300.1	2653.8	3763.1	8314.2	13332.8	17870.4	22423.6
-10°	1030.8	1363.9	1741.9	2087.7	2282.5	2603.7	3587.5	7506.5	12507.1	17065.8	21510.6
-12.5°	1000.4	1324.9	1693.1	2041.6	2259.9	2539.8	3363.7	6478.1	11457.2	16044.5	20353.8
-15°	963.4	1277.5	1633.9	1985.5	2232.6	2462.4	3093.1	5236.2	10191.2	14815.2	18964.5
-17.5°	919.9	1222.0	1564.5	1919.9	2200.6	2372.0	2777.1	3943.1	8676.6	13268.4	17417.5
-20°	870.2	1158.4	1485.1	1845.0	2156.0	2302.2	2625.1	3553.8	6898.9	11464.7	15674.8



REPORT NUMBER: P1305981 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-57-70-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	814.4	1087.0	1400.6	1750.2	2064.6	2257.9	2500.4	3120.4	4923.5	9465.4	13670.9
-25°	758.2	1018.6	1314.0	1642.9	1963.9	2209.1	2363.4	2695.9	3700.0	7148.1	11327.6
-27.5°	702.9	944.0	1219.5	1525.9	1854.3	2138.0	2281.3	2535.8	3147.1	4643.7	8773.5
-30°	642.9	863.4	1117.4	1403.7	1721.3	2010.4	2219.9	2364.3	2668.1	3512.9	5920.9
-32.5°	578.6	778.2	1018.6	1284.7	1575.0	1874.2	2134.5	2268.8	2473.2	2844.1	3735.6
-35°	515.4	702.9	918.0	1158.4	1421.5	1714.2	1979.7	2194.8	2301.8	2539.3	2989.6
-37.5°	457.2	623.1	811.8	1033.2	1277.5	1538.4	1815.2	2051.0	2219.2	2318.5	2561.5
-40°	396.0	539.3	715.4	912.3	1126.7	1363.9	1618.4	1870.0	2087.0	2227.4	2318.5
-42.5°	333.8	468.5	619.8	786.0	985.1	1195.2	1416.3	1658.8	1887.7	2087.0	2219.2
-45°	284.6	395.2	523.7	678.1	843.9	1029.1	1229.8	1433.8	1658.8	1870.0	2051.0
-47.5°	233.5	324.5	441.0	566.7	713.4	873.0	1043.9	1229.8	1416.3	1618.4	1815.2
-50°	187.1	266.6	355.6	468.7	590.1	725.2	873.0	1029.1	1195.2	1363.9	1538.4
-52.5°	158.4	207.0	286.7	373.9	478.0	590.1	713.4	843.9	985.1	1126.7	1277.5
-55°	128.9	168.8	220.3	293.4	373.9	468.7	566.7	678.1	786.0	912.3	1033.2
-57.5°	104.6	135.8	172.2	220.3	286.7	355.6	441.0	523.7	619.8	715.4	811.8
-60°	83.2	107.0	135.8	168.8	207.0	266.6	324.5	395.2	468.5	539.3	623.1
-62.5°	63.1	83.2	104.6	128.9	158.4	187.1	233.5	284.6	333.8	396.0	457.2
-65°	50.8	61.8	78.5	97.5	116.1	141.2	166.5	190.8	232.2	274.9	315.6
-67.5°	38.4	48.3	57.9	69.1	85.8	102.0	117.6	139.3	160.3	180.4	204.3
-70°	31.7	35.5	43.1	51.5	59.7	69.5	83.4	96.8	109.7	123.8	140.7
-72.5°	26.0	29.4	32.7	36.0	42.7	49.6	56.3	62.7	71.8	82.5	92.7
-75°	21.3	23.4	26.1	28.9	31.6	34.1	37.1	42.6	47.9	53.0	57.7
-77.5°	17.2	18.9	20.6	22.3	24.0	26.1	28.2	30.2	32.1	34.0	35.7
-80°	13.3	14.4	15.8	17.1	18.4	19.6	20.8	22.0	23.1	24.3	25.7
-82.5°	10.1	10.9	11.7	12.5	13.2	14.0	14.7	15.6	16.4	17.2	17.9
-85°	6.7	7.3	7.8	8.4	8.9	9.3	9.8	10.3	10.7	11.1	11.5
-87.5°	3.4	3.6	3.9	4.2	4.4	4.7	4.9	5.2	5.4	5.6	5.8
-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):

	-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°	6.0	6.2	6.3	6.5	6.6	6.7	6.9	7.0	7.1	7.1	7.2
85°	11.9	12.2	12.6	12.9	13.1	13.4	13.6	13.8	14.0	14.2	14.3
82.5°	18.6	19.3	19.9	20.5	21.0	21.5	21.9	22.3	22.7	22.9	23.2
80°	27.0	28.3	29.4	30.5	31.5	32.4	33.2	33.9	34.6	35.1	35.5
77.5°	38.8	42.3	45.6	48.7	51.5	54.1	56.4	58.5	60.3	61.8	63.1
75°	62.3	67.6	74.8	81.6	87.8	93.4	98.5	103.0	107.0	110.3	113.1
72.5°	102.4	111.5	120.9	132.3	142.8	152.4	161.1	168.8	175.5	181.2	185.8
70°	156.7	171.8	186.0	203.5	226.6	247.7	266.6	283.5	298.2	310.7	321.0
67.5°	238.9	271.4	301.9	330.3	362.6	395.2	424.5	450.6	473.4	492.8	508.7
65°	359.5	409.1	455.6	498.9	539.3	584.8	625.9	662.5	694.5	721.6	744.0
62.5°	515.4	578.6	642.9	702.9	758.2	814.4	870.2	919.9	963.4	1000.4	1030.8
60°	702.9	778.2	863.4	944.0	1018.6	1087.0	1158.4	1222.0	1277.5	1324.9	1363.9
57.5°	918.0	1018.6	1117.4	1219.5	1314.0	1400.6	1485.1	1564.5	1633.9	1693.1	1741.9
55°	1158.4	1284.7	1403.7	1525.9	1642.9	1750.2	1845.0	1919.9	1985.5	2041.6	2087.7
52.5°	1421.5	1575.0	1721.3	1854.3	1963.9	2064.6	2156.0	2200.6	2232.6	2259.9	2282.5
50°	1714.2	1874.2	2010.4	2138.0	2209.1	2257.9	2302.2	2372.0	2462.4	2539.8	2603.7
47.5°	1979.7	2134.5	2219.9	2281.3	2363.4	2500.4	2625.1	2777.1	3093.1	3363.7	3587.5
45°	2194.8	2268.8	2364.3	2535.8	2695.9	3120.4	3553.8	3943.1	5236.2	6478.1	7506.5
42.5°	2301.8	2473.2	2668.1	3147.1	3700.0	4923.5	6898.9	8676.6	10191.2	11457.2	12507.1
40°	2539.3	2844.1	3512.9	4643.7	7148.1	9465.4	11464.7	13268.4	14815.2	16044.5	17065.8
37.5°	2989.6	3735.6	5920.9	8773.5	11327.6	13670.9	15674.8	17417.5	18964.5	20353.8	21510.6
35°	3810.3	6566.7	9739.5	12594.6	15194.4	17443.3	19541.2	21500.0	23242.4	24904.3	26333.7
32.5°	6566.7	10052.0	13236.0	16077.4	18649.7	21147.8	23469.5	25849.3	27991.2	30162.3	32252.3
30°	9739.5	13236.0	16374.3	19275.6	22131.2	24979.2	27811.2	30898.3	34011.5	37073.7	40583.6
27.5°	12594.6	16077.4	19275.6	22462.3	25756.4	29040.5	33119.5	37290.6	42482.2	47036.1	50956.8
25°	15194.4	18649.7	22131.2	25756.4	29585.2	34251.6	39998.3	46221.8	51955.8	57030.0	61316.8
22.5°	17443.3	21147.8	24979.2	29040.5	34251.6	40913.8	48155.8	55007.3	61238.0	66753.5	71758.4
20°	19541.2	23469.5	27811.2	33119.5	39998.3	48155.8	56042.2	63397.6	70261.7	77121.5	83278.3
17.5°	21500.0	25849.3	30898.3	37290.6	46221.8	55007.3	63397.6	71572.9	79902.0	88560.9	96472.1
15°	23242.4	27991.2	34011.5	42482.2	51955.8	61238.0	70261.7	79902.0	90372.9	100934.5	111291.4
12.5°	24904.3	30162.3	37073.7	47036.1	57030.0	66753.5	77121.5	88560.9	100934.5	113806.9	122706.1
10°	26333.7	32252.3	40583.6	50956.8	61316.8	71758.4	83278.3	96472.1	111291.4	122706.1	131265.5
7.5°	27464.4	33910.0	43377.0	54090.6	64753.2	76082.6	89075.9	104037.0	118617.8	129540.8	136459.4
5°	28282.6	35112.2	45408.4	56377.5	67272.1	79270.5	93383.2	109776.7	123576.1	133516.5	139610.6
2.5°	28777.9	35841.1	46642.4	57770.1	68810.8	81226.2	96041.1	113347.5	126697.9	135719.1	141303.1
0°	28943.7	36085.3	47056.3	58237.8	69328.5	81885.7	96940.1	114560.8	127765.9	136395.7	141882.1
-2.5°	28777.9	35841.1	46642.4	57770.1	68810.8	81226.2	96041.1	113347.5	126697.9	135719.1	141303.1
-5°	28282.6	35112.2	45408.4	56377.5	67272.1	79270.5	93383.2	109776.7	123576.1	133516.5	139610.6
-7.5°	27464.4	33910.0	43377.0	54090.6	64753.2	76082.6	89075.9	104037.0	118617.8	129540.8	136459.4
-10°	26333.7	32252.3	40583.6	50956.8	61316.8	71758.4	83278.3	96472.1	111291.4	122706.1	131265.5
-12.5°	24904.3	30162.3	37073.7	47036.1	57030.0	66753.5	77121.5	88560.9	100934.5	113806.9	122706.1
-15°	23242.4	27991.2	34011.5	42482.2	51955.8	61238.0	70261.7	79902.0	90372.9	100934.5	111291.4
-17.5°	21500.0	25849.3	30898.3	37290.6	46221.8	55007.3	63397.6	71572.9	79902.0	88560.9	96472.1
-20°	19541.2	23469.5	27811.2	33119.5	39998.3	48155.8	56042.2	63397.6	70261.7	77121.5	83278.3



REPORT NUMBER: P1305981 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-57-70-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	17443.3	21147.8	24979.2	29040.5	34251.6	40913.8	48155.8	55007.3	61238.0	66753.5	71758.4
-25°	15194.4	18649.7	22131.2	25756.4	29585.2	34251.6	39998.3	46221.8	51955.8	57030.0	61316.8
-27.5°	12594.6	16077.4	19275.6	22462.3	25756.4	29040.5	33119.5	37290.6	42482.2	47036.1	50956.8
-30°	9739.5	13236.0	16374.3	19275.6	22131.2	24979.2	27811.2	30898.3	34011.5	37073.7	40583.6
-32.5°	6566.7	10052.0	13236.0	16077.4	18649.7	21147.8	23469.5	25849.3	27991.2	30162.3	32252.3
-35°	3810.3	6566.7	9739.5	12594.6	15194.4	17443.3	19541.2	21500.0	23242.4	24904.3	26333.7
-37.5°	2989.6	3735.6	5920.9	8773.5	11327.6	13670.9	15674.8	17417.5	18964.5	20353.8	21510.6
-40°	2539.3	2844.1	3512.9	4643.7	7148.1	9465.4	11464.7	13268.4	14815.2	16044.5	17065.8
-42.5°	2301.8	2473.2	2668.1	3147.1	3700.0	4923.5	6898.9	8676.6	10191.2	11457.2	12507.1
-45°	2194.8	2268.8	2364.3	2535.8	2695.9	3120.4	3553.8	3943.1	5236.2	6478.1	7506.5
-47.5°	1979.7	2134.5	2219.9	2281.3	2363.4	2500.4	2625.1	2777.1	3093.1	3363.7	3587.5
-50°	1714.2	1874.2	2010.4	2138.0	2209.1	2257.9	2302.2	2372.0	2462.4	2539.8	2603.7
-52.5°	1421.5	1575.0	1721.3	1854.3	1963.9	2064.6	2156.0	2200.6	2232.6	2259.9	2282.5
-55°	1158.4	1284.7	1403.7	1525.9	1642.9	1750.2	1845.0	1919.9	1985.5	2041.6	2087.7
-57.5°	918.0	1018.6	1117.4	1219.5	1314.0	1400.6	1485.1	1564.5	1633.9	1693.1	1741.9
-60°	702.9	778.2	863.4	944.0	1018.6	1087.0	1158.4	1222.0	1277.5	1324.9	1363.9
-62.5°	515.4	578.6	642.9	702.9	758.2	814.4	870.2	919.9	963.4	1000.4	1030.8
-65°	359.5	409.1	455.6	498.9	539.3	584.8	625.9	662.5	694.5	721.6	744.0
-67.5°	238.9	271.4	301.9	330.3	362.6	395.2	424.5	450.6	473.4	492.8	508.7
-70°	156.7	171.8	186.0	203.5	226.6	247.7	266.6	283.5	298.2	310.7	321.0
-72.5°	102.4	111.5	120.9	132.3	142.8	152.4	161.1	168.8	175.5	181.2	185.8
-75°	62.3	67.6	74.8	81.6	87.8	93.4	98.5	103.0	107.0	110.3	113.1
-77.5°	38.8	42.3	45.6	48.7	51.5	54.1	56.4	58.5	60.3	61.8	63.1
-80°	27.0	28.3	29.4	30.5	31.5	32.4	33.2	33.9	34.6	35.1	35.5
-82.5°	18.6	19.3	19.9	20.5	21.0	21.5	21.9	22.3	22.7	22.9	23.2
-85°	11.9	12.2	12.6	12.9	13.1	13.4	13.6	13.8	14.0	14.2	14.3
-87.5°	6.0	6.2	6.3	6.5	6.6	6.7	6.9	7.0	7.1	7.1	7.2
-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: P1305981 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-57-70-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	7.2	7.3	7.3	7.3	7.3	7.3	7.2	7.2	7.1	7.1	7.0
85°	14.4	14.4	14.5	14.5	14.5	14.4	14.4	14.3	14.2	14.0	13.8
82.5°	23.4	23.5	23.6	23.6	23.6	23.5	23.4	23.2	22.9	22.7	22.3
80°	35.9	36.1	36.3	36.3	36.3	36.1	35.9	35.5	35.1	34.6	33.9
77.5°	64.0	64.7	65.2	65.3	65.2	64.7	64.0	63.1	61.8	60.3	58.5
75°	115.2	116.8	117.7	118.0	117.7	116.8	115.2	113.1	110.3	107.0	103.0
72.5°	189.5	192.1	193.7	194.2	193.7	192.1	189.5	185.8	181.2	175.5	168.8
70°	329.0	334.8	338.2	339.4	338.2	334.8	329.0	321.0	310.7	298.2	283.5
67.5°	521.1	530.1	535.4	537.2	535.4	530.1	521.1	508.7	492.8	473.4	450.6
65°	761.5	774.0	781.5	784.0	781.5	774.0	761.5	744.0	721.6	694.5	662.5
62.5°	1054.6	1071.6	1081.9	1085.3	1081.9	1071.6	1054.6	1030.8	1000.4	963.4	919.9
60°	1394.4	1416.3	1429.4	1433.8	1429.4	1416.3	1394.4	1363.9	1324.9	1277.5	1222.0
57.5°	1780.1	1807.4	1823.9	1829.4	1823.9	1807.4	1780.1	1741.9	1693.1	1633.9	1564.5
55°	2123.9	2149.8	2165.4	2170.6	2165.4	2149.8	2123.9	2087.7	2041.6	1985.5	1919.9
52.5°	2300.1	2312.8	2320.4	2323.0	2320.4	2312.8	2300.1	2282.5	2259.9	2232.6	2200.6
50°	2653.8	2689.8	2711.5	2718.7	2711.5	2689.8	2653.8	2603.7	2539.8	2462.4	2372.0
47.5°	3763.1	3889.4	3965.5	3990.9	3965.5	3889.4	3763.1	3587.5	3363.7	3093.1	2777.1
45°	8314.2	8895.4	9245.9	9363.0	9245.9	8895.4	8314.2	7506.5	6478.1	5236.2	3943.1
42.5°	13332.8	13927.6	14286.5	14406.5	14286.5	13927.6	13332.8	12507.1	11457.2	10191.2	8676.6
40°	17870.4	18450.6	18801.1	18918.3	18801.1	18450.6	17870.4	17065.8	16044.5	14815.2	13268.4
37.5°	22423.6	23083.1	23481.8	23615.2	23481.8	23083.1	22423.6	21510.6	20353.8	18964.5	17417.5
35°	27464.4	28282.6	28777.9	28943.7	28777.9	28282.6	27464.4	26333.7	24904.3	23242.4	21500.0
32.5°	33910.0	35112.2	35841.1	36085.3	35841.1	35112.2	33910.0	32252.3	30162.3	27991.2	25849.3
30°	43377.0	45408.4	46642.4	47056.3	46642.4	45408.4	43377.0	40583.6	37073.7	34011.5	30898.3
27.5°	54090.6	56377.5	57770.1	58237.8	57770.1	56377.5	54090.6	50956.8	47036.1	42482.2	37290.6
25°	64753.2	67272.1	68810.8	69328.5	68810.8	67272.1	64753.2	61316.8	57030.0	51955.8	46221.8
22.5°	76082.6	79270.5	81226.2	81885.7	81226.2	79270.5	76082.6	71758.4	66753.5	61238.0	55007.3
20°	89075.9	93383.2	96041.1	96940.1	96041.1	93383.2	89075.9	83278.3	77121.5	70261.7	63397.6
17.5°	104037.0	109776.7	113347.5	114560.8	113347.5	109776.7	104037.0	96472.1	88560.9	79902.0	71572.9
15°	118617.8	123576.1	126697.9	127765.9	126697.9	123576.1	118617.8	111291.4	100934.5	90372.9	79902.0
12.5°	129540.8	133516.5	135719.1	136395.7	135719.1	133516.5	129540.8	122706.1	113806.9	100934.5	88560.9
10°	136459.4	139610.6	141303.1	141882.1	141303.1	139610.6	136459.4	131265.5	122706.1	111291.4	96472.1
7.5°	140758.3	143691.6	145453.5	146074.4	145453.5	143691.6	140758.3	136459.4	129540.8	118617.8	104037.0
5°	143691.6	146741.4	148633.6	149210.6	148633.6	146741.4	143691.6	139610.6	133516.5	123576.1	109776.7
2.5°	145453.5	148633.6	149542.8	149511.8	149542.8	148633.6	145453.5	141303.1	135719.1	126697.9	113347.5
0°	146074.4	149210.6	149511.8	148934.7	149511.8	149210.6	146074.4	141882.1	136395.7	127765.9	114560.8
-2.5°	145453.5	148633.6	149542.8	149511.8	149542.8	148633.6	145453.5	141303.1	135719.1	126697.9	113347.5
-5°	143691.6	146741.4	148633.6	149210.6	148633.6	146741.4	143691.6	139610.6	133516.5	123576.1	109776.7
-7.5°	140758.3	143691.6	145453.5	146074.4	145453.5	143691.6	140758.3	136459.4	129540.8	118617.8	104037.0
-10°	136459.4	139610.6	141303.1	141882.1	141303.1	139610.6	136459.4	131265.5	122706.1	111291.4	96472.1
-12.5°	129540.8	133516.5	135719.1	136395.7	135719.1	133516.5	129540.8	122706.1	113806.9	100934.5	88560.9
-15°	118617.8	123576.1	126697.9	127765.9	126697.9	123576.1	118617.8	111291.4	100934.5	90372.9	79902.0
-17.5°	104037.0	109776.7	113347.5	114560.8	113347.5	109776.7	104037.0	96472.1	88560.9	79902.0	71572.9
-20°	89075.9	93383.2	96041.1	96940.1	96041.1	93383.2	89075.9	83278.3	77121.5	70261.7	63397.6



REPORT NUMBER: P1305981 (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°	76082.6	79270.5	81226.2	81885.7	81226.2	79270.5	76082.6	71758.4	66753.5	61238.0	55007.3
-25°	64753.2	67272.1	68810.8	69328.5	68810.8	67272.1	64753.2	61316.8	57030.0	51955.8	46221.8
-27.5°	54090.6	56377.5	57770.1	58237.8	57770.1	56377.5	54090.6	50956.8	47036.1	42482.2	37290.6
-30°	43377.0	45408.4	46642.4	47056.3	46642.4	45408.4	43377.0	40583.6	37073.7	34011.5	30898.3
-32.5°	33910.0	35112.2	35841.1	36085.3	35841.1	35112.2	33910.0	32252.3	30162.3	27991.2	25849.3
-35°	27464.4	28282.6	28777.9	28943.7	28777.9	28282.6	27464.4	26333.7	24904.3	23242.4	21500.0
-37.5°	22423.6	23083.1	23481.8	23615.2	23481.8	23083.1	22423.6	21510.6	20353.8	18964.5	17417.5
-40°	17870.4	18450.6	18801.1	18918.3	18801.1	18450.6	17870.4	17065.8	16044.5	14815.2	13268.4
-42.5°	13332.8	13927.6	14286.5	14406.5	14286.5	13927.6	13332.8	12507.1	11457.2	10191.2	8676.6
-45°	8314.2	8895.4	9245.9	9363.0	9245.9	8895.4	8314.2	7506.5	6478.1	5236.2	3943.1
-47.5°	3763.1	3889.4	3965.5	3990.9	3965.5	3889.4	3763.1	3587.5	3363.7	3093.1	2777.1
-50°	2653.8	2689.8	2711.5	2718.7	2711.5	2689.8	2653.8	2603.7	2539.8	2462.4	2372.0
-52.5°	2300.1	2312.8	2320.4	2323.0	2320.4	2312.8	2300.1	2282.5	2259.9	2232.6	2200.6
-55°	2123.9	2149.8	2165.4	2170.6	2165.4	2149.8	2123.9	2087.7	2041.6	1985.5	1919.9
-57.5°	1780.1	1807.4	1823.9	1829.4	1823.9	1807.4	1780.1	1741.9	1693.1	1633.9	1564.5
-60°	1394.4	1416.3	1429.4	1433.8	1429.4	1416.3	1394.4	1363.9	1324.9	1277.5	1222.0
-62.5°	1054.6	1071.6	1081.9	1085.3	1081.9	1071.6	1054.6	1030.8	1000.4	963.4	919.9
-65°	761.5	774.0	781.5	784.0	781.5	774.0	761.5	744.0	721.6	694.5	662.5
-67.5°	521.1	530.1	535.4	537.2	535.4	530.1	521.1	508.7	492.8	473.4	450.6
-70°	329.0	334.8	338.2	339.4	338.2	334.8	329.0	321.0	310.7	298.2	283.5
-72.5°	189.5	192.1	193.7	194.2	193.7	192.1	189.5	185.8	181.2	175.5	168.8
-75°	115.2	116.8	117.7	118.0	117.7	116.8	115.2	113.1	110.3	107.0	103.0
-77.5°	64.0	64.7	65.2	65.3	65.2	64.7	64.0	63.1	61.8	60.3	58.5
-80°	35.9	36.1	36.3	36.3	36.3	36.1	35.9	35.5	35.1	34.6	33.9
-82.5°	23.4	23.5	23.6	23.6	23.6	23.5	23.4	23.2	22.9	22.7	22.3
-85°	14.4	14.4	14.5	14.5	14.5	14.4	14.4	14.3	14.2	14.0	13.8
-87.5°	7.2	7.3	7.3	7.3	7.3	7.3	7.2	7.2	7.1	7.1	7.0
-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°	6.9	6.7	6.6	6.5	6.3	6.2	6.0	5.8	5.6	5.4	5.2
85°	13.6	13.4	13.1	12.9	12.6	12.2	11.9	11.5	11.1	10.7	10.3
82.5°	21.9	21.5	21.0	20.5	19.9	19.3	18.6	17.9	17.2	16.4	15.6
80°	33.2	32.4	31.5	30.5	29.4	28.3	27.0	25.7	24.3	23.1	22.0
77.5°	56.4	54.1	51.5	48.7	45.6	42.3	38.8	35.7	34.0	32.1	30.2
75°	98.5	93.4	87.8	81.6	74.8	67.6	62.3	57.7	53.0	47.9	42.6
72.5°	161.1	152.4	142.8	132.3	120.9	111.5	102.4	92.7	82.5	71.8	62.7
70°	266.6	247.7	226.6	203.5	186.0	171.8	156.7	140.7	123.8	109.7	96.8
67.5°	424.5	395.2	362.6	330.3	301.9	271.4	238.9	204.3	180.4	160.3	139.3
65°	625.9	584.8	539.3	498.9	455.6	409.1	359.5	315.6	274.9	232.2	190.8
62.5°	870.2	814.4	758.2	702.9	642.9	578.6	515.4	457.2	396.0	333.8	284.6
60°	1158.4	1087.0	1018.6	944.0	863.4	778.2	702.9	623.1	539.3	468.5	395.2
57.5°	1485.1	1400.6	1314.0	1219.5	1117.4	1018.6	918.0	811.8	715.4	619.8	523.7
55°	1845.0	1750.2	1642.9	1525.9	1403.7	1284.7	1158.4	1033.2	912.3	786.0	678.1
52.5°	2156.0	2064.6	1963.9	1854.3	1721.3	1575.0	1421.5	1277.5	1126.7	985.1	843.9
50°	2302.2	2257.9	2209.1	2138.0	2010.4	1874.2	1714.2	1538.4	1363.9	1195.2	1029.1
47.5°	2625.1	2500.4	2363.4	2281.3	2219.9	2134.5	1979.7	1815.2	1618.4	1416.3	1229.8
45°	3553.8	3120.4	2695.9	2535.8	2364.3	2268.8	2194.8	2051.0	1870.0	1658.8	1433.8
42.5°	6898.9	4923.5	3700.0	3147.1	2668.1	2473.2	2301.8	2219.2	2087.0	1887.7	1658.8
40°	11464.7	9465.4	7148.1	4643.7	3512.9	2844.1	2539.3	2318.5	2227.4	2087.0	1870.0
37.5°	15674.8	13670.9	11327.6	8773.5	5920.9	3735.6	2989.6	2561.5	2318.5	2219.2	2051.0
35°	19541.2	17443.3	15194.4	12594.6	9739.5	6566.7	3810.3	2989.6	2539.3	2301.8	2194.8
32.5°	23469.5	21147.8	18649.7	16077.4	13236.0	10052.0	6566.7	3735.6	2844.1	2473.2	2268.8
30°	27811.2	24979.2	22131.2	19275.6	16374.3	13236.0	9739.5	5920.9	3512.9	2668.1	2364.3
27.5°	33119.5	29040.5	25756.4	22462.3	19275.6	16077.4	12594.6	8773.5	4643.7	3147.1	2535.8
25°	39998.3	34251.6	29585.2	25756.4	22131.2	18649.7	15194.4	11327.6	7148.1	3700.0	2695.9
22.5°	48155.8	40913.8	34251.6	29040.5	24979.2	21147.8	17443.3	13670.9	9465.4	4923.5	3120.4
20°	56042.2	48155.8	39998.3	33119.5	27811.2	23469.5	19541.2	15674.8	11464.7	6898.9	3553.8
17.5°	63397.6	55007.3	46221.8	37290.6	30898.3	25849.3	21500.0	17417.5	13268.4	8676.6	3943.1
15°	70261.7	61238.0	51955.8	42482.2	34011.5	27991.2	23242.4	18964.5	14815.2	10191.2	5236.2
12.5°	77121.5	66753.5	57030.0	47036.1	37073.7	30162.3	24904.3	20353.8	16044.5	11457.2	6478.1
10°	83278.3	71758.4	61316.8	50956.8	40583.6	32252.3	26333.7	21510.6	17065.8	12507.1	7506.5
7.5°	89075.9	76082.6	64753.2	54090.6	43377.0	33910.0	27464.4	22423.6	17870.4	13332.8	8314.2
5°	93383.2	79270.5	67272.1	56377.5	45408.4	35112.2	28282.6	23083.1	18450.6	13927.6	8895.4
2.5°	96041.1	81226.2	68810.8	57770.1	46642.4	35841.1	28777.9	23481.8	18801.1	14286.5	9245.9
0°	96940.1	81885.7	69328.5	58237.8	47056.3	36085.3	28943.7	23615.2	18918.3	14406.5	9363.0
-2.5°	96041.1	81226.2	68810.8	57770.1	46642.4	35841.1	28777.9	23481.8	18801.1	14286.5	9245.9
-5°	93383.2	79270.5	67272.1	56377.5	45408.4	35112.2	28282.6	23083.1	18450.6	13927.6	8895.4
-7.5°	89075.9	76082.6	64753.2	54090.6	43377.0	33910.0	27464.4	22423.6	17870.4	13332.8	8314.2
-10°	83278.3	71758.4	61316.8	50956.8	40583.6	32252.3	26333.7	21510.6	17065.8	12507.1	7506.5
-12.5°	77121.5	66753.5	57030.0	47036.1	37073.7	30162.3	24904.3	20353.8	16044.5	11457.2	6478.1
-15°	70261.7	61238.0	51955.8	42482.2	34011.5	27991.2	23242.4	18964.5	14815.2	10191.2	5236.2
-17.5°	63397.6	55007.3	46221.8	37290.6	30898.3	25849.3	21500.0	17417.5	13268.4	8676.6	3943.1
-20°	56042.2	48155.8	39998.3	33119.5	27811.2	23469.5	19541.2	15674.8	11464.7	6898.9	3553.8



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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°	48155.8	40913.8	34251.6	29040.5	24979.2	21147.8	17443.3	13670.9	9465.4	4923.5	3120.4
-25°	39998.3	34251.6	29585.2	25756.4	22131.2	18649.7	15194.4	11327.6	7148.1	3700.0	2695.9
-27.5°	33119.5	29040.5	25756.4	22462.3	19275.6	16077.4	12594.6	8773.5	4643.7	3147.1	2535.8
-30°	27811.2	24979.2	22131.2	19275.6	16374.3	13236.0	9739.5	5920.9	3512.9	2668.1	2364.3
-32.5°	23469.5	21147.8	18649.7	16077.4	13236.0	10052.0	6566.7	3735.6	2844.1	2473.2	2268.8
-35°	19541.2	17443.3	15194.4	12594.6	9739.5	6566.7	3810.3	2989.6	2539.3	2301.8	2194.8
-37.5°	15674.8	13670.9	11327.6	8773.5	5920.9	3735.6	2989.6	2561.5	2318.5	2219.2	2051.0
-40°	11464.7	9465.4	7148.1	4643.7	3512.9	2844.1	2539.3	2318.5	2227.4	2087.0	1870.0
-42.5°	6898.9	4923.5	3700.0	3147.1	2668.1	2473.2	2301.8	2219.2	2087.0	1887.7	1658.8
-45°	3553.8	3120.4	2695.9	2535.8	2364.3	2268.8	2194.8	2051.0	1870.0	1658.8	1433.8
-47.5°	2625.1	2500.4	2363.4	2281.3	2219.9	2134.5	1979.7	1815.2	1618.4	1416.3	1229.8
-50°	2302.2	2257.9	2209.1	2138.0	2010.4	1874.2	1714.2	1538.4	1363.9	1195.2	1029.1
-52.5°	2156.0	2064.6	1963.9	1854.3	1721.3	1575.0	1421.5	1277.5	1126.7	985.1	843.9
-55°	1845.0	1750.2	1642.9	1525.9	1403.7	1284.7	1158.4	1033.2	912.3	786.0	678.1
-57.5°	1485.1	1400.6	1314.0	1219.5	1117.4	1018.6	918.0	811.8	715.4	619.8	523.7
-60°	1158.4	1087.0	1018.6	944.0	863.4	778.2	702.9	623.1	539.3	468.5	395.2
-62.5°	870.2	814.4	758.2	702.9	642.9	578.6	515.4	457.2	396.0	333.8	284.6
-65°	625.9	584.8	539.3	498.9	455.6	409.1	359.5	315.6	274.9	232.2	190.8
-67.5°	424.5	395.2	362.6	330.3	301.9	271.4	238.9	204.3	180.4	160.3	139.3
-70°	266.6	247.7	226.6	203.5	186.0	171.8	156.7	140.7	123.8	109.7	96.8
-72.5°	161.1	152.4	142.8	132.3	120.9	111.5	102.4	92.7	82.5	71.8	62.7
-75°	98.5	93.4	87.8	81.6	74.8	67.6	62.3	57.7	53.0	47.9	42.6
-77.5°	56.4	54.1	51.5	48.7	45.6	42.3	38.8	35.7	34.0	32.1	30.2
-80°	33.2	32.4	31.5	30.5	29.4	28.3	27.0	25.7	24.3	23.1	22.0
-82.5°	21.9	21.5	21.0	20.5	19.9	19.3	18.6	17.9	17.2	16.4	15.6
-85°	13.6	13.4	13.1	12.9	12.6	12.2	11.9	11.5	11.1	10.7	10.3
-87.5°	6.9	6.7	6.6	6.5	6.3	6.2	6.0	5.8	5.6	5.4	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: P1305981 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-57-70-5S-HEG-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.9	4.7	4.4	4.2	3.9	3.6	3.4	3.1	2.8	2.5	2.2
85°	9.8	9.3	8.9	8.4	7.8	7.3	6.7	6.2	5.6	5.0	4.4
82.5°	14.7	14.0	13.2	12.5	11.7	10.9	10.1	9.2	8.3	7.5	6.6
80°	20.8	19.6	18.4	17.1	15.8	14.4	13.3	12.2	11.1	9.9	8.7
77.5°	28.2	26.1	24.0	22.3	20.6	18.9	17.2	15.4	13.8	12.3	10.8
75°	37.1	34.1	31.6	28.9	26.1	23.4	21.3	19.2	17.0	14.8	13.0
72.5°	56.3	49.6	42.7	36.0	32.7	29.4	26.0	22.9	20.4	17.8	15.2
70°	83.4	69.5	59.7	51.5	43.1	35.5	31.7	27.7	23.7	20.8	17.8
67.5°	117.6	102.0	85.8	69.1	57.9	48.3	38.4	32.8	28.3	23.7	20.4
65°	166.5	141.2	116.1	97.5	78.5	61.8	50.8	39.6	32.8	27.7	22.9
62.5°	233.5	187.1	158.4	128.9	104.6	83.2	63.1	50.8	38.4	31.7	26.0
60°	324.5	266.6	207.0	168.8	135.8	107.0	83.2	61.8	48.3	35.5	29.4
57.5°	441.0	355.6	286.7	220.3	172.2	135.8	104.6	78.5	57.9	43.1	32.7
55°	566.7	468.7	373.9	293.4	220.3	168.8	128.9	97.5	69.1	51.5	36.0
52.5°	713.4	590.1	478.0	373.9	286.7	207.0	158.4	116.1	85.8	59.7	42.7
50°	873.0	725.2	590.1	468.7	355.6	266.6	187.1	141.2	102.0	69.5	49.6
47.5°	1043.9	873.0	713.4	566.7	441.0	324.5	233.5	166.5	117.6	83.4	56.3
45°	1229.8	1029.1	843.9	678.1	523.7	395.2	284.6	190.8	139.3	96.8	62.7
42.5°	1416.3	1195.2	985.1	786.0	619.8	468.5	333.8	232.2	160.3	109.7	71.8
40°	1618.4	1363.9	1126.7	912.3	715.4	539.3	396.0	274.9	180.4	123.8	82.5
37.5°	1815.2	1538.4	1277.5	1033.2	811.8	623.1	457.2	315.6	204.3	140.7	92.7
35°	1979.7	1714.2	1421.5	1158.4	918.0	702.9	515.4	359.5	238.9	156.7	102.4
32.5°	2134.5	1874.2	1575.0	1284.7	1018.6	778.2	578.6	409.1	271.4	171.8	111.5
30°	2219.9	2010.4	1721.3	1403.7	1117.4	863.4	642.9	455.6	301.9	186.0	120.9
27.5°	2281.3	2138.0	1854.3	1525.9	1219.5	944.0	702.9	498.9	330.3	203.5	132.3
25°	2363.4	2209.1	1963.9	1642.9	1314.0	1018.6	758.2	539.3	362.6	226.6	142.8
22.5°	2500.4	2257.9	2064.6	1750.2	1400.6	1087.0	814.4	584.8	395.2	247.7	152.4
20°	2625.1	2302.2	2156.0	1845.0	1485.1	1158.4	870.2	625.9	424.5	266.6	161.1
17.5°	2777.1	2372.0	2200.6	1919.9	1564.5	1222.0	919.9	662.5	450.6	283.5	168.8
15°	3093.1	2462.4	2232.6	1985.5	1633.9	1277.5	963.4	694.5	473.4	298.2	175.5
12.5°	3363.7	2539.8	2259.9	2041.6	1693.1	1324.9	1000.4	721.6	492.8	310.7	181.2
10°	3587.5	2603.7	2282.5	2087.7	1741.9	1363.9	1030.8	744.0	508.7	321.0	185.8
7.5°	3763.1	2653.8	2300.1	2123.9	1780.1	1394.4	1054.6	761.5	521.1	329.0	189.5
5°	3889.4	2689.8	2312.8	2149.8	1807.4	1416.3	1071.6	774.0	530.1	334.8	192.1
2.5°	3965.5	2711.5	2320.4	2165.4	1823.9	1429.4	1081.9	781.5	535.4	338.2	193.7
0°	3990.9	2718.7	2323.0	2170.6	1829.4	1433.8	1085.3	784.0	537.2	339.4	194.2
-2.5°	3965.5	2711.5	2320.4	2165.4	1823.9	1429.4	1081.9	781.5	535.4	338.2	193.7
-5°	3889.4	2689.8	2312.8	2149.8	1807.4	1416.3	1071.6	774.0	530.1	334.8	192.1
-7.5°	3763.1	2653.8	2300.1	2123.9	1780.1	1394.4	1054.6	761.5	521.1	329.0	189.5
-10°	3587.5	2603.7	2282.5	2087.7	1741.9	1363.9	1030.8	744.0	508.7	321.0	185.8
-12.5°	3363.7	2539.8	2259.9	2041.6	1693.1	1324.9	1000.4	721.6	492.8	310.7	181.2
-15°	3093.1	2462.4	2232.6	1985.5	1633.9	1277.5	963.4	694.5	473.4	298.2	175.5
-17.5°	2777.1	2372.0	2200.6	1919.9	1564.5	1222.0	919.9	662.5	450.6	283.5	168.8
-20°	2625.1	2302.2	2156.0	1845.0	1485.1	1158.4	870.2	625.9	424.5	266.6	161.1



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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°	2500.4	2257.9	2064.6	1750.2	1400.6	1087.0	814.4	584.8	395.2	247.7	152.4
-25°	2363.4	2209.1	1963.9	1642.9	1314.0	1018.6	758.2	539.3	362.6	226.6	142.8
-27.5°	2281.3	2138.0	1854.3	1525.9	1219.5	944.0	702.9	498.9	330.3	203.5	132.3
-30°	2219.9	2010.4	1721.3	1403.7	1117.4	863.4	642.9	455.6	301.9	186.0	120.9
-32.5°	2134.5	1874.2	1575.0	1284.7	1018.6	778.2	578.6	409.1	271.4	171.8	111.5
-35°	1979.7	1714.2	1421.5	1158.4	918.0	702.9	515.4	359.5	238.9	156.7	102.4
-37.5°	1815.2	1538.4	1277.5	1033.2	811.8	623.1	457.2	315.6	204.3	140.7	92.7
-40°	1618.4	1363.9	1126.7	912.3	715.4	539.3	396.0	274.9	180.4	123.8	82.5
-42.5°	1416.3	1195.2	985.1	786.0	619.8	468.5	333.8	232.2	160.3	109.7	71.8
-45°	1229.8	1029.1	843.9	678.1	523.7	395.2	284.6	190.8	139.3	96.8	62.7
-47.5°	1043.9	873.0	713.4	566.7	441.0	324.5	233.5	166.5	117.6	83.4	56.3
-50°	873.0	725.2	590.1	468.7	355.6	266.6	187.1	141.2	102.0	69.5	49.6
-52.5°	713.4	590.1	478.0	373.9	286.7	207.0	158.4	116.1	85.8	59.7	42.7
-55°	566.7	468.7	373.9	293.4	220.3	168.8	128.9	97.5	69.1	51.5	36.0
-57.5°	441.0	355.6	286.7	220.3	172.2	135.8	104.6	78.5	57.9	43.1	32.7
-60°	324.5	266.6	207.0	168.8	135.8	107.0	83.2	61.8	48.3	35.5	29.4
-62.5°	233.5	187.1	158.4	128.9	104.6	83.2	63.1	50.8	38.4	31.7	26.0
-65°	166.5	141.2	116.1	97.5	78.5	61.8	50.8	39.6	32.8	27.7	22.9
-67.5°	117.6	102.0	85.8	69.1	57.9	48.3	38.4	32.8	28.3	23.7	20.4
-70°	83.4	69.5	59.7	51.5	43.1	35.5	31.7	27.7	23.7	20.8	17.8
-72.5°	56.3	49.6	42.7	36.0	32.7	29.4	26.0	22.9	20.4	17.8	15.2
-75°	37.1	34.1	31.6	28.9	26.1	23.4	21.3	19.2	17.0	14.8	13.0
-77.5°	28.2	26.1	24.0	22.3	20.6	18.9	17.2	15.4	13.8	12.3	10.8
-80°	20.8	19.6	18.4	17.1	15.8	14.4	13.3	12.2	11.1	9.9	8.7
-82.5°	14.7	14.0	13.2	12.5	11.7	10.9	10.1	9.2	8.3	7.5	6.6
-85°	9.8	9.3	8.9	8.4	7.8	7.3	6.7	6.2	5.6	5.0	4.4
-87.5°	4.9	4.7	4.4	4.2	3.9	3.6	3.4	3.1	2.8	2.5	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



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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°	1.9	1.6	1.3	1.0	0.6	0.3	0.0
85°	3.8	3.2	2.5	1.9	1.3	0.6	0.0
82.5°	5.7	4.7	3.8	2.9	1.9	1.0	0.0
80°	7.5	6.3	5.0	3.8	2.5	1.3	0.0
77.5°	9.3	7.8	6.3	4.7	3.2	1.6	0.0
75°	11.2	9.3	7.5	5.7	3.8	1.9	0.0
72.5°	13.0	10.8	8.7	6.6	4.4	2.2	0.0
70°	14.8	12.3	9.9	7.5	5.0	2.5	0.0
67.5°	17.0	13.8	11.1	8.3	5.6	2.8	0.0
65°	19.2	15.4	12.2	9.2	6.2	3.1	0.0
62.5°	21.3	17.2	13.3	10.1	6.7	3.4	0.0
60°	23.4	18.9	14.4	10.9	7.3	3.6	0.0
57.5°	26.1	20.6	15.8	11.7	7.8	3.9	0.0
55°	28.9	22.3	17.1	12.5	8.4	4.2	0.0
52.5°	31.6	24.0	18.4	13.2	8.9	4.4	0.0
50°	34.1	26.1	19.6	14.0	9.3	4.7	0.0
47.5°	37.1	28.2	20.8	14.7	9.8	4.9	0.0
45°	42.6	30.2	22.0	15.6	10.3	5.2	0.0
42.5°	47.9	32.1	23.1	16.4	10.7	5.4	0.0
40°	53.0	34.0	24.3	17.2	11.1	5.6	0.0
37.5°	57.7	35.7	25.7	17.9	11.5	5.8	0.0
35°	62.3	38.8	27.0	18.6	11.9	6.0	0.0
32.5°	67.6	42.3	28.3	19.3	12.2	6.2	0.0
30°	74.8	45.6	29.4	19.9	12.6	6.3	0.0
27.5°	81.6	48.7	30.5	20.5	12.9	6.5	0.0
25°	87.8	51.5	31.5	21.0	13.1	6.6	0.0
22.5°	93.4	54.1	32.4	21.5	13.4	6.7	0.0
20°	98.5	56.4	33.2	21.9	13.6	6.9	0.0
17.5°	103.0	58.5	33.9	22.3	13.8	7.0	0.0
15°	107.0	60.3	34.6	22.7	14.0	7.1	0.0
12.5°	110.3	61.8	35.1	22.9	14.2	7.1	0.0
10°	113.1	63.1	35.5	23.2	14.3	7.2	0.0
7.5°	115.2	64.0	35.9	23.4	14.4	7.2	0.0
5°	116.8	64.7	36.1	23.5	14.4	7.3	0.0
2.5°	117.7	65.2	36.3	23.6	14.5	7.3	0.0
0°	118.0	65.3	36.3	23.6	14.5	7.3	0.0
-2.5°	117.7	65.2	36.3	23.6	14.5	7.3	0.0
-5°	116.8	64.7	36.1	23.5	14.4	7.3	0.0
-7.5°	115.2	64.0	35.9	23.4	14.4	7.2	0.0
-10°	113.1	63.1	35.5	23.2	14.3	7.2	0.0
-12.5°	110.3	61.8	35.1	22.9	14.2	7.1	0.0
-15°	107.0	60.3	34.6	22.7	14.0	7.1	0.0
-17.5°	103.0	58.5	33.9	22.3	13.8	7.0	0.0
-20°	98.5	56.4	33.2	21.9	13.6	6.9	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	93.4	54.1	32.4	21.5	13.4	6.7	0.0
-25°	87.8	51.5	31.5	21.0	13.1	6.6	0.0
-27.5°	81.6	48.7	30.5	20.5	12.9	6.5	0.0
-30°	74.8	45.6	29.4	19.9	12.6	6.3	0.0
-32.5°	67.6	42.3	28.3	19.3	12.2	6.2	0.0
-35°	62.3	38.8	27.0	18.6	11.9	6.0	0.0
-37.5°	57.7	35.7	25.7	17.9	11.5	5.8	0.0
-40°	53.0	34.0	24.3	17.2	11.1	5.6	0.0
-42.5°	47.9	32.1	23.1	16.4	10.7	5.4	0.0
-45°	42.6	30.2	22.0	15.6	10.3	5.2	0.0
-47.5°	37.1	28.2	20.8	14.7	9.8	4.9	0.0
-50°	34.1	26.1	19.6	14.0	9.3	4.7	0.0
-52.5°	31.6	24.0	18.4	13.2	8.9	4.4	0.0
-55°	28.9	22.3	17.1	12.5	8.4	4.2	0.0
-57.5°	26.1	20.6	15.8	11.7	7.8	3.9	0.0
-60°	23.4	18.9	14.4	10.9	7.3	3.6	0.0
-62.5°	21.3	17.2	13.3	10.1	6.7	3.4	0.0
-65°	19.2	15.4	12.2	9.2	6.2	3.1	0.0
-67.5°	17.0	13.8	11.1	8.3	5.6	2.8	0.0
-70°	14.8	12.3	9.9	7.5	5.0	2.5	0.0
-72.5°	13.0	10.8	8.7	6.6	4.4	2.2	0.0
-75°	11.2	9.3	7.5	5.7	3.8	1.9	0.0
-77.5°	9.3	7.8	6.3	4.7	3.2	1.6	0.0
-80°	7.5	6.3	5.0	3.8	2.5	1.3	0.0
-82.5°	5.7	4.7	3.8	2.9	1.9	1.0	0.0
-85°	3.8	3.2	2.5	1.9	1.3	0.6	0.0
-87.5°	1.9	1.6	1.3	1.0	0.6	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)