

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: P1305402 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-57-70-2S-HEG-A**

Issue Date: 2/3/2026

Test Information

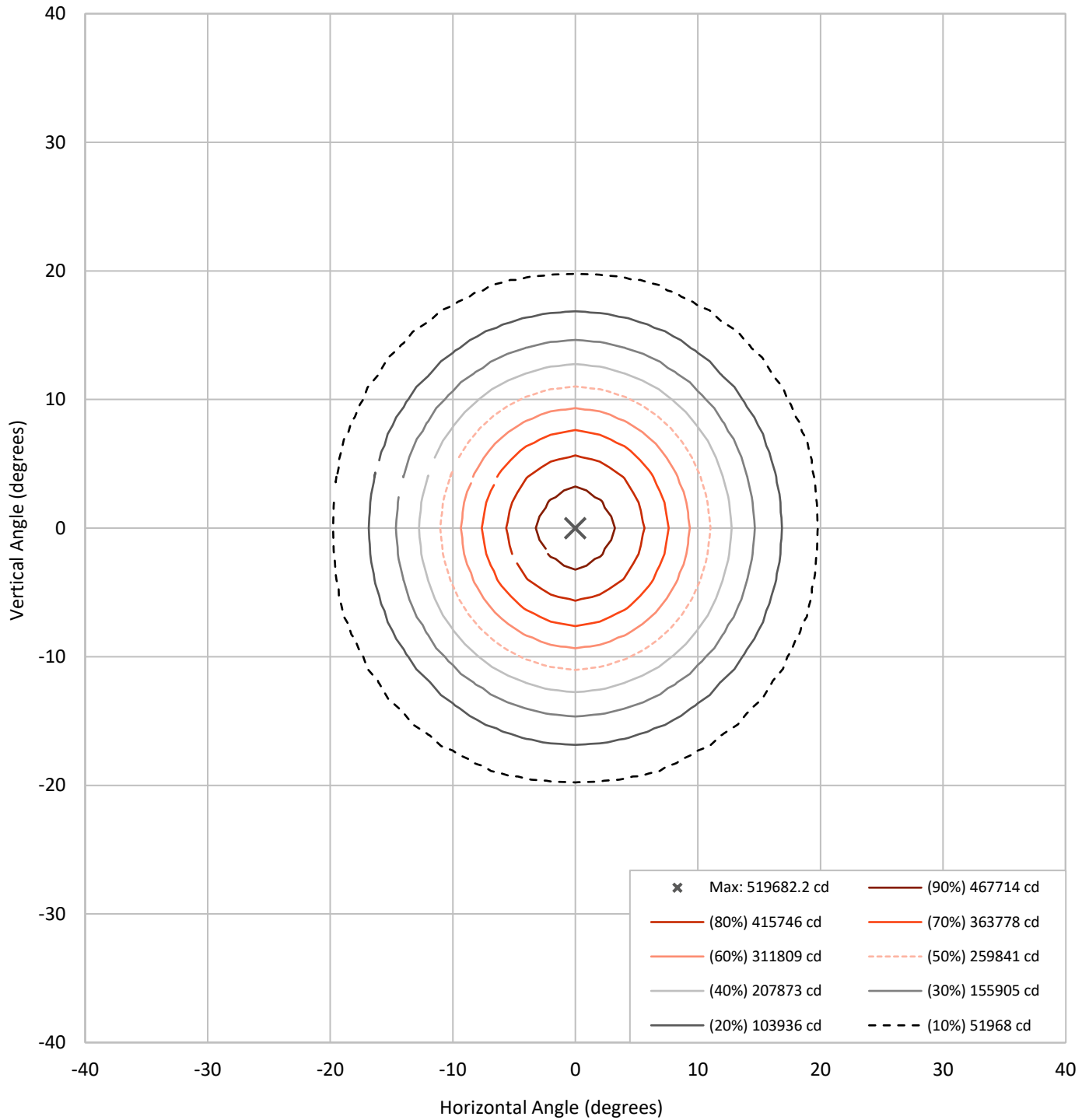
Test Method: LM-79-08
Report Number: P1305402 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-2)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-640L-57-70-2S-HEG-A
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 2S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	93611.1 lumens	Max Intensity:	519682.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	139.7 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	22°H x 22°V	Field Angle (10%):	39.6°H x 39.6°V
Beam Lumens:	41373 lumens	Field Lumens:	76839.6 lumens
Beam Efficiency:	44.2%	Field Efficiency:	82.1%
Input Watts (W):	670		
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





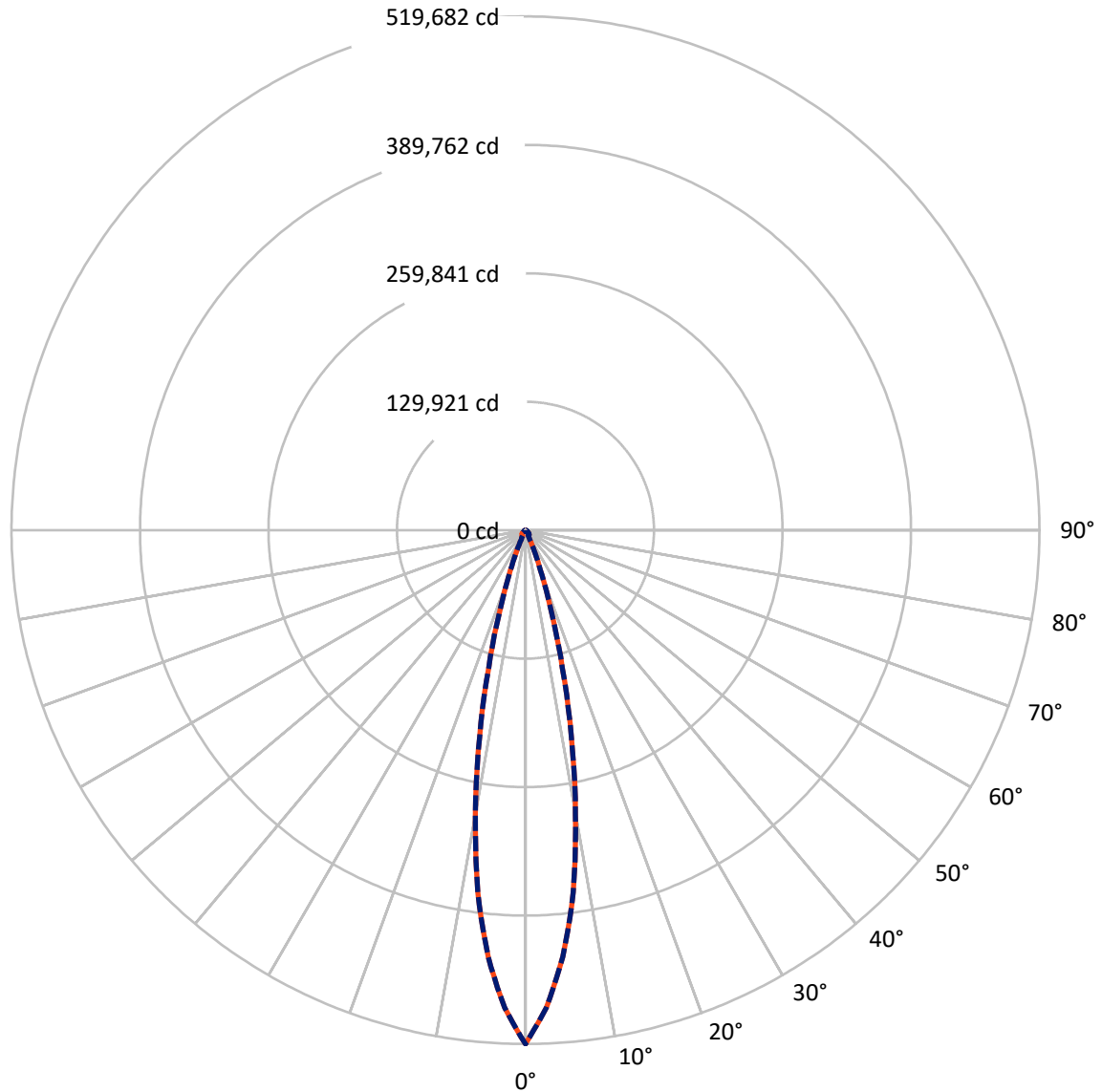
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Lumen Table

90	0.2	1.0		3.3		8.2		10.9		8.2		3.3		1.0		0.2			
80	0.2	1.0		3.3		8.2		10.9		8.2		3.3		1.0		0.2			
70	0.4	0.5	1.9	5.9	11.7	18.0	23.2	26.1	26.1	23.2	18.0	11.7	5.9	1.9	0.5	0.4			
60		1.5	6.9	16.7	28.8	40.0	47.7	51.6	51.6	47.7	40.0	28.8	16.7	6.9	1.5				
50	1.1	3.6	13.6	28.9	44.0	71.4	109.2	130.8	130.8	109.2	71.4	44.0	28.9	13.6	3.6	1.1			
40		6.2	20.3	38.1	84.1	144.4	169.2	177.9	177.9	169.2	144.4	84.1	38.1	20.3	6.2				
30	2.4	8.7	25.6	56.3	130.7	162.6	222.4	453.8	453.8	222.4	162.6	130.7	56.3	25.6	8.7	2.4			
20		10.5	28.5	81.1	143.6	209.3	324.0	3923.2	3923.2	324.0	209.3	143.6	81.1	28.5	10.5				
10	3.0	11.4	29.9	93.9	146.4	418.3	3823.6	10753.0	10753.0	3823.6	418.3	146.4	93.9	29.9	11.4	3.0			
0		11.4	29.9	93.9	146.4	418.3	3823.6	10753.0	10753.0	3823.6	418.3	146.4	93.9	29.9	11.4				
-10	2.4	10.5	28.5	81.1	143.6	209.3	324.0	3923.2	3923.2	324.0	209.3	143.6	81.1	28.5	10.5	2.4			
-20		8.7	25.6	56.3	130.7	162.6	222.4	453.8	453.8	222.4	162.6	130.7	56.3	25.6	8.7				
-30	1.1	6.2	20.3	38.1	84.1	144.4	169.2	177.9	177.9	169.2	144.4	84.1	38.1	20.3	6.2	1.1			
-40		3.6	13.6	28.9	44.0	71.4	109.2	130.8	130.8	109.2	71.4	44.0	28.9	13.6	3.6				
-50	0.4	1.5	6.9	16.7	28.8	40.0	47.7	51.6	51.6	47.7	40.0	28.8	16.7	6.9	1.5	0.4			
-60		0.5	1.9	5.9	11.7	18.0	23.2	26.1	26.1	23.2	18.0	11.7	5.9	1.9	0.5				
-70	0.2	1.0		3.3		8.2		10.9		8.2		3.3		1.0		0.2			
-80		1.0		3.3		8.2		10.9		8.2		3.3		1.0					
-90	0.2	1.0		3.3		8.2		10.9		8.2		3.3		1.0		0.2			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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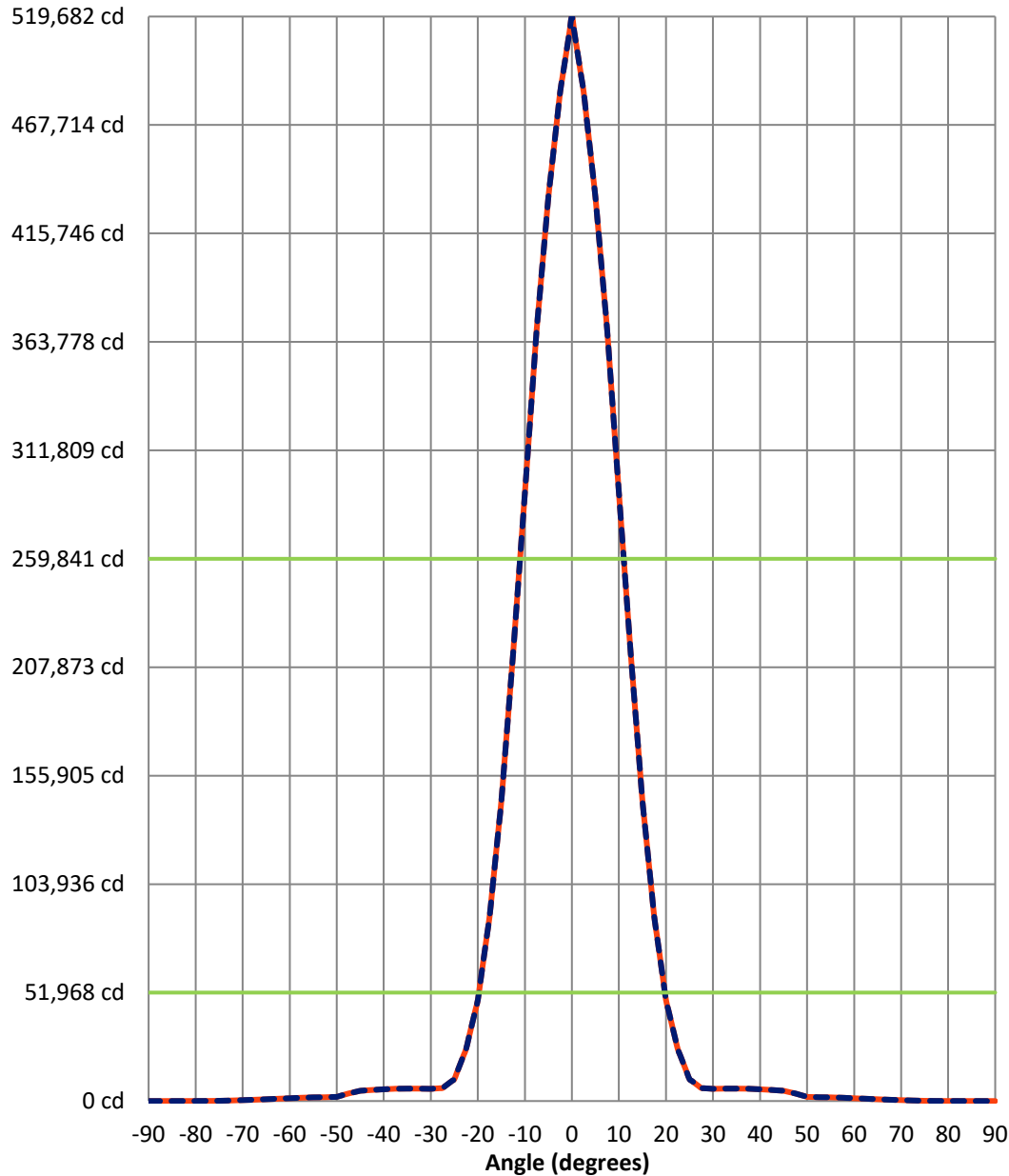
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 22°
 V Angle: 22°
 Lumens: 41373
 Efficiency: 44.2%

Field:
 H Angle: 39.6°
 V Angle: 39.6°
 Lumens: 76839.6
 Efficiency: 82.1%

Spill:
 Lumens: 16771.5
 Efficiency: 17.9%

- 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	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.1
85°	0.0	0.8	1.7	2.5	3.4	4.2	5.0	5.8	6.6	7.4	8.2
82.5°	0.0	1.3	2.5	3.8	5.0	6.3	7.5	8.7	9.8	10.4	11.0
80°	0.0	1.7	3.4	5.0	6.7	8.4	9.8	10.6	11.4	12.2	13.0
77.5°	0.0	2.1	4.2	6.3	8.4	10.1	11.1	12.1	13.1	14.0	15.1
75°	0.0	2.5	5.0	7.5	9.8	11.1	12.3	13.5	14.7	16.3	17.8
72.5°	0.0	2.9	5.8	8.7	10.6	12.1	13.5	15.0	16.8	18.7	20.5
70°	0.0	3.3	6.6	9.8	11.4	13.1	14.7	16.8	19.0	21.1	24.7
67.5°	0.0	3.7	7.4	10.4	12.2	14.0	16.3	18.7	21.1	25.2	29.2
65°	0.0	4.1	8.2	11.0	13.0	15.1	17.8	20.5	24.7	29.2	34.5
62.5°	0.0	4.5	8.9	11.5	13.7	16.4	19.3	23.2	28.2	33.7	42.0
60°	0.0	4.8	9.7	12.1	14.5	17.7	20.8	26.2	31.6	40.3	49.4
57.5°	0.0	5.2	10.1	12.6	15.4	18.9	23.2	29.1	36.9	46.8	68.3
55°	0.0	5.6	10.4	13.1	16.4	20.0	25.7	32.0	42.5	56.5	92.2
52.5°	0.0	5.9	10.7	13.7	17.3	21.3	28.1	36.6	48.0	77.5	115.6
50°	0.0	6.2	11.1	14.1	18.2	23.2	30.4	41.2	57.0	97.8	161.9
47.5°	0.0	6.6	11.4	14.7	19.0	25.1	32.8	45.7	74.5	117.6	209.5
45°	0.0	6.9	11.7	15.3	19.8	26.9	36.5	50.0	91.4	158.3	255.4
42.5°	0.0	7.2	12.0	15.9	20.6	28.6	40.1	59.9	107.5	197.9	308.9
40°	0.0	7.4	12.3	16.4	21.7	30.2	43.4	73.4	128.9	235.8	361.6
37.5°	0.0	7.7	12.5	17.0	22.9	31.8	46.6	86.2	160.8	274.4	411.9
35°	0.0	7.9	12.8	17.5	24.1	33.9	49.7	98.4	191.1	317.1	460.6
32.5°	0.0	8.2	13.0	17.9	25.2	36.3	54.6	109.8	219.6	357.3	508.0
30°	0.0	8.4	13.2	18.4	26.2	38.5	63.7	123.5	246.3	395.0	552.5
27.5°	0.0	8.6	13.4	18.8	27.1	40.6	72.2	145.0	273.4	430.0	593.9
25°	0.0	8.8	13.6	19.2	28.0	42.5	80.0	164.9	301.9	463.5	632.5
22.5°	0.0	9.0	13.8	19.5	28.8	44.2	87.1	183.0	327.9	494.6	675.7
20°	0.0	9.1	13.9	19.8	29.5	45.8	93.5	199.4	351.4	522.7	714.8
17.5°	0.0	9.3	14.1	20.1	30.2	47.1	99.2	213.9	372.2	547.7	749.5
15°	0.0	9.4	14.2	20.3	30.7	48.3	104.1	226.5	390.4	569.5	779.9
12.5°	0.0	9.5	14.3	20.5	31.2	49.4	108.4	237.3	405.9	588.0	805.7
10°	0.0	9.6	14.4	20.7	31.6	50.2	111.8	246.1	418.6	603.2	826.9
7.5°	0.0	9.6	14.4	20.8	31.9	50.9	114.5	253.0	428.5	615.1	843.5
5°	0.0	9.7	14.5	20.9	32.1	51.3	116.5	257.9	435.6	623.7	855.4
2.5°	0.0	9.7	14.5	21.0	32.3	51.6	117.6	260.9	439.9	628.8	862.5
0°	0.0	9.7	14.5	21.0	32.3	51.7	118.0	261.9	441.3	630.5	864.9
-2.5°	0.0	9.7	14.5	21.0	32.3	51.6	117.6	260.9	439.9	628.8	862.5
-5°	0.0	9.7	14.5	20.9	32.1	51.3	116.5	257.9	435.6	623.7	855.4
-7.5°	0.0	9.6	14.4	20.8	31.9	50.9	114.5	253.0	428.5	615.1	843.5
-10°	0.0	9.6	14.4	20.7	31.6	50.2	111.8	246.1	418.6	603.2	826.9
-12.5°	0.0	9.5	14.3	20.5	31.2	49.4	108.4	237.3	405.9	588.0	805.7
-15°	0.0	9.4	14.2	20.3	30.7	48.3	104.1	226.5	390.4	569.5	779.9
-17.5°	0.0	9.3	14.1	20.1	30.2	47.1	99.2	213.9	372.2	547.7	749.5
-20°	0.0	9.1	13.9	19.8	29.5	45.8	93.5	199.4	351.4	522.7	714.8



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 CATALOG NUMBER: EPH-08-640L-57-70-2S-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	9.0	13.8	19.5	28.8	44.2	87.1	183.0	327.9	494.6	675.7
-25°	0.0	8.8	13.6	19.2	28.0	42.5	80.0	164.9	301.9	463.5	632.5
-27.5°	0.0	8.6	13.4	18.8	27.1	40.6	72.2	145.0	273.4	430.0	593.9
-30°	0.0	8.4	13.2	18.4	26.2	38.5	63.7	123.5	246.3	395.0	552.5
-32.5°	0.0	8.2	13.0	17.9	25.2	36.3	54.6	109.8	219.6	357.3	508.0
-35°	0.0	7.9	12.8	17.5	24.1	33.9	49.7	98.4	191.1	317.1	460.6
-37.5°	0.0	7.7	12.5	17.0	22.9	31.8	46.6	86.2	160.8	274.4	411.9
-40°	0.0	7.4	12.3	16.4	21.7	30.2	43.4	73.4	128.9	235.8	361.6
-42.5°	0.0	7.2	12.0	15.9	20.6	28.6	40.1	59.9	107.5	197.9	308.9
-45°	0.0	6.9	11.7	15.3	19.8	26.9	36.5	50.0	91.4	158.3	255.4
-47.5°	0.0	6.6	11.4	14.7	19.0	25.1	32.8	45.7	74.5	117.6	209.5
-50°	0.0	6.2	11.1	14.1	18.2	23.2	30.4	41.2	57.0	97.8	161.9
-52.5°	0.0	5.9	10.7	13.7	17.3	21.3	28.1	36.6	48.0	77.5	115.6
-55°	0.0	5.6	10.4	13.1	16.4	20.0	25.7	32.0	42.5	56.5	92.2
-57.5°	0.0	5.2	10.1	12.6	15.4	18.9	23.2	29.1	36.9	46.8	68.3
-60°	0.0	4.8	9.7	12.1	14.5	17.7	20.8	26.2	31.6	40.3	49.4
-62.5°	0.0	4.5	8.9	11.5	13.7	16.4	19.3	23.2	28.2	33.7	42.0
-65°	0.0	4.1	8.2	11.0	13.0	15.1	17.8	20.5	24.7	29.2	34.5
-67.5°	0.0	3.7	7.4	10.4	12.2	14.0	16.3	18.7	21.1	25.2	29.2
-70°	0.0	3.3	6.6	9.8	11.4	13.1	14.7	16.8	19.0	21.1	24.7
-72.5°	0.0	2.9	5.8	8.7	10.6	12.1	13.5	15.0	16.8	18.7	20.5
-75°	0.0	2.5	5.0	7.5	9.8	11.1	12.3	13.5	14.7	16.3	17.8
-77.5°	0.0	2.1	4.2	6.3	8.4	10.1	11.1	12.1	13.1	14.0	15.1
-80°	0.0	1.7	3.4	5.0	6.7	8.4	9.8	10.6	11.4	12.2	13.0
-82.5°	0.0	1.3	2.5	3.8	5.0	6.3	7.5	8.7	9.8	10.4	11.0
-85°	0.0	0.8	1.7	2.5	3.4	4.2	5.0	5.8	6.6	7.4	8.2
-87.5°	0.0	0.4	0.8	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-08-640L-57-70-2S-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°	4.5	4.8	5.2	5.6	5.9	6.2	6.6	6.9	7.2	7.4	7.7
85°	8.9	9.7	10.1	10.4	10.7	11.1	11.4	11.7	12.0	12.3	12.5
82.5°	11.5	12.1	12.6	13.1	13.7	14.1	14.7	15.3	15.9	16.4	17.0
80°	13.7	14.5	15.4	16.4	17.3	18.2	19.0	19.8	20.6	21.7	22.9
77.5°	16.4	17.7	18.9	20.0	21.3	23.2	25.1	26.9	28.6	30.2	31.8
75°	19.3	20.8	23.2	25.7	28.1	30.4	32.8	36.5	40.1	43.4	46.6
72.5°	23.2	26.2	29.1	32.0	36.6	41.2	45.7	50.0	59.9	73.4	86.2
70°	28.2	31.6	36.9	42.5	48.0	57.0	74.5	91.4	107.5	128.9	160.8
67.5°	33.7	40.3	46.8	56.5	77.5	97.8	117.6	158.3	197.9	235.8	274.4
65°	42.0	49.4	68.3	92.2	115.6	161.9	209.5	255.4	308.9	361.6	411.9
62.5°	50.2	74.2	101.2	138.6	194.3	248.4	310.5	373.6	434.4	495.4	554.0
60°	74.2	104.1	151.6	213.9	277.8	351.4	422.8	494.6	564.8	632.5	712.1
57.5°	101.2	151.6	220.4	294.2	376.1	456.8	538.5	617.6	709.0	799.7	887.5
55°	138.6	213.9	294.2	384.4	474.3	565.0	658.6	764.3	866.5	968.9	1066.8
52.5°	194.3	277.8	376.1	474.3	573.9	680.7	797.8	913.4	1027.8	1136.8	1238.3
50°	248.4	351.4	456.8	565.0	680.7	809.1	937.0	1063.5	1182.9	1296.4	1410.1
47.5°	310.5	422.8	538.5	658.6	797.8	937.0	1075.5	1206.2	1331.6	1461.1	1586.6
45°	373.6	494.6	617.6	764.3	913.4	1063.5	1206.2	1343.4	1486.8	1616.6	1710.1
42.5°	434.4	564.8	709.0	866.5	1027.8	1182.9	1331.6	1486.8	1625.7	1728.6	1788.3
40°	495.4	632.5	799.7	968.9	1136.8	1296.4	1461.1	1616.6	1728.6	1791.1	1822.1
37.5°	554.0	712.1	887.5	1066.8	1238.3	1410.1	1586.6	1710.1	1788.3	1822.1	1939.5
35°	609.7	787.8	973.5	1158.2	1335.1	1522.2	1673.2	1780.0	1816.4	1928.8	2357.5
32.5°	669.8	859.4	1054.9	1243.1	1433.4	1618.7	1753.1	1805.2	1896.6	2174.0	3297.8
30°	730.9	929.2	1130.6	1323.1	1526.7	1689.0	1788.6	1843.7	1991.4	3017.2	4087.8
27.5°	787.8	994.5	1199.3	1402.1	1608.4	1755.0	1809.4	1927.1	2556.0	3778.0	4779.7
25°	840.4	1054.9	1262.8	1476.7	1665.1	1784.9	1843.3	2004.9	3253.0	4385.5	5073.8
22.5°	889.5	1110.2	1321.1	1545.1	1717.1	1801.5	1909.9	2522.4	3845.9	4930.6	5254.1
20°	934.8	1158.2	1376.1	1603.7	1764.3	1816.5	1970.5	3068.8	4325.0	5084.4	5402.0
17.5°	975.0	1200.9	1426.7	1642.4	1782.0	1847.4	2089.7	3559.4	4756.2	5223.1	5527.5
15°	1010.2	1238.3	1471.0	1676.2	1792.9	1891.4	2487.9	3921.7	4986.4	5340.1	5638.2
12.5°	1040.2	1270.2	1508.7	1705.2	1802.2	1929.0	2829.1	4223.0	5083.8	5428.7	5716.6
10°	1064.8	1296.4	1539.8	1729.0	1809.8	1960.1	3111.2	4472.4	5164.6	5502.2	5781.9
7.5°	1084.1	1316.9	1564.2	1747.7	1815.8	1984.4	3332.6	4668.3	5228.1	5560.1	5833.4
5°	1097.9	1331.6	1581.6	1761.1	1820.1	2001.9	3491.7	4809.3	5273.9	5601.9	5870.7
2.5°	1106.2	1340.4	1592.1	1769.1	1822.7	2012.5	3587.7	4894.3	5301.5	5627.2	5893.2
0°	1109.0	1343.4	1595.6	1771.8	1823.6	2016.0	3619.7	4922.7	5310.7	5635.6	5900.7
-2.5°	1106.2	1340.4	1592.1	1769.1	1822.7	2012.5	3587.7	4894.3	5301.5	5627.2	5893.2
-5°	1097.9	1331.6	1581.6	1761.1	1820.1	2001.9	3491.7	4809.3	5273.9	5601.9	5870.7
-7.5°	1084.1	1316.9	1564.2	1747.7	1815.8	1984.4	3332.6	4668.3	5228.1	5560.1	5833.4
-10°	1064.8	1296.4	1539.8	1729.0	1809.8	1960.1	3111.2	4472.4	5164.6	5502.2	5781.9
-12.5°	1040.2	1270.2	1508.7	1705.2	1802.2	1929.0	2829.1	4223.0	5083.8	5428.7	5716.6
-15°	1010.2	1238.3	1471.0	1676.2	1792.9	1891.4	2487.9	3921.7	4986.4	5340.1	5638.2
-17.5°	975.0	1200.9	1426.7	1642.4	1782.0	1847.4	2089.7	3559.4	4756.2	5223.1	5527.5
-20°	934.8	1158.2	1376.1	1603.7	1764.3	1816.5	1970.5	3068.8	4325.0	5084.4	5402.0



REPORT NUMBER: P1305402 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-70-2S-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	889.5	1110.2	1321.1	1545.1	1717.1	1801.5	1909.9	2522.4	3845.9	4930.6	5254.1
-25°	840.4	1054.9	1262.8	1476.7	1665.1	1784.9	1843.3	2004.9	3253.0	4385.5	5073.8
-27.5°	787.8	994.5	1199.3	1402.1	1608.4	1755.0	1809.4	1927.1	2556.0	3778.0	4779.7
-30°	730.9	929.2	1130.6	1323.1	1526.7	1689.0	1788.6	1843.7	1991.4	3017.2	4087.8
-32.5°	669.8	859.4	1054.9	1243.1	1433.4	1618.7	1753.1	1805.2	1896.6	2174.0	3297.8
-35°	609.7	787.8	973.5	1158.2	1335.1	1522.2	1673.2	1780.0	1816.4	1928.8	2357.5
-37.5°	554.0	712.1	887.5	1066.8	1238.3	1410.1	1586.6	1710.1	1788.3	1822.1	1939.5
-40°	495.4	632.5	799.7	968.9	1136.8	1296.4	1461.1	1616.6	1728.6	1791.1	1822.1
-42.5°	434.4	564.8	709.0	866.5	1027.8	1182.9	1331.6	1486.8	1625.7	1728.6	1788.3
-45°	373.6	494.6	617.6	764.3	913.4	1063.5	1206.2	1343.4	1486.8	1616.6	1710.1
-47.5°	310.5	422.8	538.5	658.6	797.8	937.0	1075.5	1206.2	1331.6	1461.1	1586.6
-50°	248.4	351.4	456.8	565.0	680.7	809.1	937.0	1063.5	1182.9	1296.4	1410.1
-52.5°	194.3	277.8	376.1	474.3	573.9	680.7	797.8	913.4	1027.8	1136.8	1238.3
-55°	138.6	213.9	294.2	384.4	474.3	565.0	658.6	764.3	866.5	968.9	1066.8
-57.5°	101.2	151.6	220.4	294.2	376.1	456.8	538.5	617.6	709.0	799.7	887.5
-60°	74.2	104.1	151.6	213.9	277.8	351.4	422.8	494.6	564.8	632.5	712.1
-62.5°	50.2	74.2	101.2	138.6	194.3	248.4	310.5	373.6	434.4	495.4	554.0
-65°	42.0	49.4	68.3	92.2	115.6	161.9	209.5	255.4	308.9	361.6	411.9
-67.5°	33.7	40.3	46.8	56.5	77.5	97.8	117.6	158.3	197.9	235.8	274.4
-70°	28.2	31.6	36.9	42.5	48.0	57.0	74.5	91.4	107.5	128.9	160.8
-72.5°	23.2	26.2	29.1	32.0	36.6	41.2	45.7	50.0	59.9	73.4	86.2
-75°	19.3	20.8	23.2	25.7	28.1	30.4	32.8	36.5	40.1	43.4	46.6
-77.5°	16.4	17.7	18.9	20.0	21.3	23.2	25.1	26.9	28.6	30.2	31.8
-80°	13.7	14.5	15.4	16.4	17.3	18.2	19.0	19.8	20.6	21.7	22.9
-82.5°	11.5	12.1	12.6	13.1	13.7	14.1	14.7	15.3	15.9	16.4	17.0
-85°	8.9	9.7	10.1	10.4	10.7	11.1	11.4	11.7	12.0	12.3	12.5
-87.5°	4.5	4.8	5.2	5.6	5.9	6.2	6.6	6.9	7.2	7.4	7.7
-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):

	-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°	7.9	8.2	8.4	8.6	8.8	9.0	9.1	9.3	9.4	9.5	9.6
85°	12.8	13.0	13.2	13.4	13.6	13.8	13.9	14.1	14.2	14.3	14.4
82.5°	17.5	17.9	18.4	18.8	19.2	19.5	19.8	20.1	20.3	20.5	20.7
80°	24.1	25.2	26.2	27.1	28.0	28.8	29.5	30.2	30.7	31.2	31.6
77.5°	33.9	36.3	38.5	40.6	42.5	44.2	45.8	47.1	48.3	49.4	50.2
75°	49.7	54.6	63.7	72.2	80.0	87.1	93.5	99.2	104.1	108.4	111.8
72.5°	98.4	109.8	123.5	145.0	164.9	183.0	199.4	213.9	226.5	237.3	246.1
70°	191.1	219.6	246.3	273.4	301.9	327.9	351.4	372.2	390.4	405.9	418.6
67.5°	317.1	357.3	395.0	430.0	463.5	494.6	522.7	547.7	569.5	588.0	603.2
65°	460.6	508.0	552.5	593.9	632.5	675.7	714.8	749.5	779.9	805.7	826.9
62.5°	609.7	669.8	730.9	787.8	840.4	889.5	934.8	975.0	1010.2	1040.2	1064.8
60°	787.8	859.4	929.2	994.5	1054.9	1110.2	1158.2	1200.9	1238.3	1270.2	1296.4
57.5°	973.5	1054.9	1130.6	1199.3	1262.8	1321.1	1376.1	1426.7	1471.0	1508.7	1539.8
55°	1158.2	1243.1	1323.1	1402.1	1476.7	1545.1	1603.7	1642.4	1676.2	1705.2	1729.0
52.5°	1335.1	1433.4	1526.7	1608.4	1665.1	1717.1	1764.3	1782.0	1792.9	1802.2	1809.8
50°	1522.2	1618.7	1689.0	1755.0	1784.9	1801.5	1816.5	1847.4	1891.4	1929.0	1960.1
47.5°	1673.2	1753.1	1788.6	1809.4	1843.3	1909.9	1970.5	2089.7	2487.9	2829.1	3111.2
45°	1780.0	1805.2	1843.7	1927.1	2004.9	2522.4	3068.8	3559.4	3921.7	4223.0	4472.4
42.5°	1816.4	1896.6	1991.4	2556.0	3253.0	3845.9	4325.0	4756.2	4986.4	5083.8	5164.6
40°	1928.8	2174.0	3017.2	3778.0	4385.5	4930.6	5084.4	5223.1	5340.1	5428.7	5502.2
37.5°	2357.5	3297.8	4087.8	4779.7	5073.8	5254.1	5402.0	5527.5	5638.2	5716.6	5781.9
35°	3392.0	4244.5	4951.7	5171.3	5367.4	5529.4	5670.8	5781.3	5879.7	5913.6	5927.9
32.5°	4244.5	4975.7	5220.7	5431.0	5616.3	5761.4	5892.5	5923.1	5944.6	5953.0	5951.1
30°	4951.7	5220.7	5452.4	5655.8	5816.9	5914.4	5942.8	5952.3	5949.5	5939.0	5908.5
27.5°	5171.3	5431.0	5655.8	5835.6	5922.2	5954.0	5950.3	5937.1	5892.0	5852.4	5984.8
25°	5367.4	5616.3	5816.9	5922.2	5953.5	5949.3	5913.6	5859.5	6018.7	6191.2	7414.3
22.5°	5529.4	5761.4	5914.4	5954.0	5949.3	5905.6	5889.6	6122.4	7384.1	9501.7	13287.1
20°	5670.8	5892.5	5942.8	5950.3	5913.6	5889.6	6157.6	8213.3	11564.4	19459.8	27116.8
17.5°	5781.3	5923.1	5952.3	5937.1	5859.5	6122.4	8213.3	13073.6	22660.1	35362.3	47710.5
15°	5879.7	5944.6	5949.5	5892.0	6018.7	7384.1	11564.4	22660.1	38190.5	57513.3	81036.8
12.5°	5913.6	5953.0	5939.0	5852.4	6191.2	9501.7	19459.8	35362.3	57513.3	86750.2	122551.8
10°	5927.9	5951.1	5908.5	5984.8	7414.3	13287.1	27116.8	47710.5	81036.8	122551.8	167369.6
7.5°	5939.3	5949.6	5884.2	6091.3	8733.8	18264.0	36166.1	64560.1	105441.5	155718.3	215207.3
5°	5947.5	5948.5	5866.5	6169.0	9700.9	21933.2	42889.2	77596.6	126192.5	186240.7	255616.5
2.5°	5952.4	5947.8	5855.8	6216.3	10291.6	24184.2	47037.8	85706.9	139257.9	207091.2	281964.6
0°	5954.1	5947.6	5852.2	6232.2	10490.4	24943.2	48441.0	88462.6	143727.5	214508.9	291203.9
-2.5°	5952.4	5947.8	5855.8	6216.3	10291.6	24184.2	47037.8	85706.9	139257.9	207091.2	281964.6
-5°	5947.5	5948.5	5866.5	6169.0	9700.9	21933.2	42889.2	77596.6	126192.5	186240.7	255616.5
-7.5°	5939.3	5949.6	5884.2	6091.3	8733.8	18264.0	36166.1	64560.1	105441.5	155718.3	215207.3
-10°	5927.9	5951.1	5908.5	5984.8	7414.3	13287.1	27116.8	47710.5	81036.8	122551.8	167369.6
-12.5°	5913.6	5953.0	5939.0	5852.4	6191.2	9501.7	19459.8	35362.3	57513.3	86750.2	122551.8
-15°	5879.7	5944.6	5949.5	5892.0	6018.7	7384.1	11564.4	22660.1	38190.5	57513.3	81036.8
-17.5°	5781.3	5923.1	5952.3	5937.1	5859.5	6122.4	8213.3	13073.6	22660.1	35362.3	47710.5
-20°	5670.8	5892.5	5942.8	5950.3	5913.6	5889.6	6157.6	8213.3	11564.4	19459.8	27116.8



REPORT NUMBER: P1305402 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5529.4	5761.4	5914.4	5954.0	5949.3	5905.6	5889.6	6122.4	7384.1	9501.7	13287.1
-25°	5367.4	5616.3	5816.9	5922.2	5953.5	5949.3	5913.6	5859.5	6018.7	6191.2	7414.3
-27.5°	5171.3	5431.0	5655.8	5835.6	5922.2	5954.0	5950.3	5937.1	5892.0	5852.4	5984.8
-30°	4951.7	5220.7	5452.4	5655.8	5816.9	5914.4	5942.8	5952.3	5949.5	5939.0	5908.5
-32.5°	4244.5	4975.7	5220.7	5431.0	5616.3	5761.4	5892.5	5923.1	5944.6	5953.0	5951.1
-35°	3392.0	4244.5	4951.7	5171.3	5367.4	5529.4	5670.8	5781.3	5879.7	5913.6	5927.9
-37.5°	2357.5	3297.8	4087.8	4779.7	5073.8	5254.1	5402.0	5527.5	5638.2	5716.6	5781.9
-40°	1928.8	2174.0	3017.2	3778.0	4385.5	4930.6	5084.4	5223.1	5340.1	5428.7	5502.2
-42.5°	1816.4	1896.6	1991.4	2556.0	3253.0	3845.9	4325.0	4756.2	4986.4	5083.8	5164.6
-45°	1780.0	1805.2	1843.7	1927.1	2004.9	2522.4	3068.8	3559.4	3921.7	4223.0	4472.4
-47.5°	1673.2	1753.1	1788.6	1809.4	1843.3	1909.9	1970.5	2089.7	2487.9	2829.1	3111.2
-50°	1522.2	1618.7	1689.0	1755.0	1784.9	1801.5	1816.5	1847.4	1891.4	1929.0	1960.1
-52.5°	1335.1	1433.4	1526.7	1608.4	1665.1	1717.1	1764.3	1782.0	1792.9	1802.2	1809.8
-55°	1158.2	1243.1	1323.1	1402.1	1476.7	1545.1	1603.7	1642.4	1676.2	1705.2	1729.0
-57.5°	973.5	1054.9	1130.6	1199.3	1262.8	1321.1	1376.1	1426.7	1471.0	1508.7	1539.8
-60°	787.8	859.4	929.2	994.5	1054.9	1110.2	1158.2	1200.9	1238.3	1270.2	1296.4
-62.5°	609.7	669.8	730.9	787.8	840.4	889.5	934.8	975.0	1010.2	1040.2	1064.8
-65°	460.6	508.0	552.5	593.9	632.5	675.7	714.8	749.5	779.9	805.7	826.9
-67.5°	317.1	357.3	395.0	430.0	463.5	494.6	522.7	547.7	569.5	588.0	603.2
-70°	191.1	219.6	246.3	273.4	301.9	327.9	351.4	372.2	390.4	405.9	418.6
-72.5°	98.4	109.8	123.5	145.0	164.9	183.0	199.4	213.9	226.5	237.3	246.1
-75°	49.7	54.6	63.7	72.2	80.0	87.1	93.5	99.2	104.1	108.4	111.8
-77.5°	33.9	36.3	38.5	40.6	42.5	44.2	45.8	47.1	48.3	49.4	50.2
-80°	24.1	25.2	26.2	27.1	28.0	28.8	29.5	30.2	30.7	31.2	31.6
-82.5°	17.5	17.9	18.4	18.8	19.2	19.5	19.8	20.1	20.3	20.5	20.7
-85°	12.8	13.0	13.2	13.4	13.6	13.8	13.9	14.1	14.2	14.3	14.4
-87.5°	7.9	8.2	8.4	8.6	8.8	9.0	9.1	9.3	9.4	9.5	9.6
-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: P1305402 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-70-2S-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°	9.6	9.7	9.7	9.7	9.7	9.7	9.6	9.6	9.5	9.4	9.3
85°	14.4	14.5	14.5	14.5	14.5	14.5	14.4	14.4	14.3	14.2	14.1
82.5°	20.8	20.9	21.0	21.0	21.0	20.9	20.8	20.7	20.5	20.3	20.1
80°	31.9	32.1	32.3	32.3	32.3	32.1	31.9	31.6	31.2	30.7	30.2
77.5°	50.9	51.3	51.6	51.7	51.6	51.3	50.9	50.2	49.4	48.3	47.1
75°	114.5	116.5	117.6	118.0	117.6	116.5	114.5	111.8	108.4	104.1	99.2
72.5°	253.0	257.9	260.9	261.9	260.9	257.9	253.0	246.1	237.3	226.5	213.9
70°	428.5	435.6	439.9	441.3	439.9	435.6	428.5	418.6	405.9	390.4	372.2
67.5°	615.1	623.7	628.8	630.5	628.8	623.7	615.1	603.2	588.0	569.5	547.7
65°	843.5	855.4	862.5	864.9	862.5	855.4	843.5	826.9	805.7	779.9	749.5
62.5°	1084.1	1097.9	1106.2	1109.0	1106.2	1097.9	1084.1	1064.8	1040.2	1010.2	975.0
60°	1316.9	1331.6	1340.4	1343.4	1340.4	1331.6	1316.9	1296.4	1270.2	1238.3	1200.9
57.5°	1564.2	1581.6	1592.1	1595.6	1592.1	1581.6	1564.2	1539.8	1508.7	1471.0	1426.7
55°	1747.7	1761.1	1769.1	1771.8	1769.1	1761.1	1747.7	1729.0	1705.2	1676.2	1642.4
52.5°	1815.8	1820.1	1822.7	1823.6	1822.7	1820.1	1815.8	1809.8	1802.2	1792.9	1782.0
50°	1984.4	2001.9	2012.5	2016.0	2012.5	2001.9	1984.4	1960.1	1929.0	1891.4	1847.4
47.5°	3332.6	3491.7	3587.7	3619.7	3587.7	3491.7	3332.6	3111.2	2829.1	2487.9	2089.7
45°	4668.3	4809.3	4894.3	4922.7	4894.3	4809.3	4668.3	4472.4	4223.0	3921.7	3559.4
42.5°	5228.1	5273.9	5301.5	5310.7	5301.5	5273.9	5228.1	5164.6	5083.8	4986.4	4756.2
40°	5560.1	5601.9	5627.2	5635.6	5627.2	5601.9	5560.1	5502.2	5428.7	5340.1	5223.1
37.5°	5833.4	5870.7	5893.2	5900.7	5893.2	5870.7	5833.4	5781.9	5716.6	5638.2	5527.5
35°	5939.3	5947.5	5952.4	5954.1	5952.4	5947.5	5939.3	5927.9	5913.6	5879.7	5781.3
32.5°	5949.6	5948.5	5947.8	5947.6	5947.8	5948.5	5949.6	5951.1	5953.0	5944.6	5923.1
30°	5884.2	5866.5	5855.8	5852.2	5855.8	5866.5	5884.2	5908.5	5939.0	5949.5	5952.3
27.5°	6091.3	6169.0	6216.3	6232.2	6216.3	6169.0	6091.3	5984.8	5852.4	5892.0	5937.1
25°	8733.8	9700.9	10291.6	10490.4	10291.6	9700.9	8733.8	7414.3	6191.2	6018.7	5859.5
22.5°	18264.0	21933.2	24184.2	24943.2	24184.2	21933.2	18264.0	13287.1	9501.7	7384.1	6122.4
20°	36166.1	42889.2	47037.8	48441.0	47037.8	42889.2	36166.1	27116.8	19459.8	11564.4	8213.3
17.5°	64560.1	77596.6	85706.9	88462.6	85706.9	77596.6	64560.1	47710.5	35362.3	22660.1	13073.6
15°	105441.5	126192.5	139257.9	143727.5	139257.9	126192.5	105441.5	81036.8	57513.3	38190.5	22660.1
12.5°	155718.3	186240.7	207091.2	214508.9	207091.2	186240.7	155718.3	122551.8	86750.2	57513.3	35362.3
10°	215207.3	255616.5	281964.6	291203.9	281964.6	255616.5	215207.3	167369.6	122551.8	81036.8	47710.5
7.5°	273269.4	321244.3	356631.5	369438.9	356631.5	321244.3	273269.4	215207.3	155718.3	105441.5	64560.1
5°	321244.3	383198.4	421185.7	433193.5	421185.7	383198.4	321244.3	255616.5	186240.7	126192.5	77596.6
2.5°	356631.5	421185.7	462249.3	483541.4	462249.3	421185.7	356631.5	281964.6	207091.2	139257.9	85706.9
0°	369438.9	433193.5	483541.4	519682.2	483541.4	433193.5	369438.9	291203.9	214508.9	143727.5	88462.6
-2.5°	356631.5	421185.7	462249.3	483541.4	462249.3	421185.7	356631.5	281964.6	207091.2	139257.9	85706.9
-5°	321244.3	383198.4	421185.7	433193.5	421185.7	383198.4	321244.3	255616.5	186240.7	126192.5	77596.6
-7.5°	273269.4	321244.3	356631.5	369438.9	356631.5	321244.3	273269.4	215207.3	155718.3	105441.5	64560.1
-10°	215207.3	255616.5	281964.6	291203.9	281964.6	255616.5	215207.3	167369.6	122551.8	81036.8	47710.5
-12.5°	155718.3	186240.7	207091.2	214508.9	207091.2	186240.7	155718.3	122551.8	86750.2	57513.3	35362.3
-15°	105441.5	126192.5	139257.9	143727.5	139257.9	126192.5	105441.5	81036.8	57513.3	38190.5	22660.1
-17.5°	64560.1	77596.6	85706.9	88462.6	85706.9	77596.6	64560.1	47710.5	35362.3	22660.1	13073.6
-20°	36166.1	42889.2	47037.8	48441.0	47037.8	42889.2	36166.1	27116.8	19459.8	11564.4	8213.3



REPORT NUMBER: P1305402 (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°	18264.0	21933.2	24184.2	24943.2	24184.2	21933.2	18264.0	13287.1	9501.7	7384.1	6122.4
-25°	8733.8	9700.9	10291.6	10490.4	10291.6	9700.9	8733.8	7414.3	6191.2	6018.7	5859.5
-27.5°	6091.3	6169.0	6216.3	6232.2	6216.3	6169.0	6091.3	5984.8	5852.4	5892.0	5937.1
-30°	5884.2	5866.5	5855.8	5852.2	5855.8	5866.5	5884.2	5908.5	5939.0	5949.5	5952.3
-32.5°	5949.6	5948.5	5947.8	5947.6	5947.8	5948.5	5949.6	5951.1	5953.0	5944.6	5923.1
-35°	5939.3	5947.5	5952.4	5954.1	5952.4	5947.5	5939.3	5927.9	5913.6	5879.7	5781.3
-37.5°	5833.4	5870.7	5893.2	5900.7	5893.2	5870.7	5833.4	5781.9	5716.6	5638.2	5527.5
-40°	5560.1	5601.9	5627.2	5635.6	5627.2	5601.9	5560.1	5502.2	5428.7	5340.1	5223.1
-42.5°	5228.1	5273.9	5301.5	5310.7	5301.5	5273.9	5228.1	5164.6	5083.8	4986.4	4756.2
-45°	4668.3	4809.3	4894.3	4922.7	4894.3	4809.3	4668.3	4472.4	4223.0	3921.7	3559.4
-47.5°	3332.6	3491.7	3587.7	3619.7	3587.7	3491.7	3332.6	3111.2	2829.1	2487.9	2089.7
-50°	1984.4	2001.9	2012.5	2016.0	2012.5	2001.9	1984.4	1960.1	1929.0	1891.4	1847.4
-52.5°	1815.8	1820.1	1822.7	1823.6	1822.7	1820.1	1815.8	1809.8	1802.2	1792.9	1782.0
-55°	1747.7	1761.1	1769.1	1771.8	1769.1	1761.1	1747.7	1729.0	1705.2	1676.2	1642.4
-57.5°	1564.2	1581.6	1592.1	1595.6	1592.1	1581.6	1564.2	1539.8	1508.7	1471.0	1426.7
-60°	1316.9	1331.6	1340.4	1343.4	1340.4	1331.6	1316.9	1296.4	1270.2	1238.3	1200.9
-62.5°	1084.1	1097.9	1106.2	1109.0	1106.2	1097.9	1084.1	1064.8	1040.2	1010.2	975.0
-65°	843.5	855.4	862.5	864.9	862.5	855.4	843.5	826.9	805.7	779.9	749.5
-67.5°	615.1	623.7	628.8	630.5	628.8	623.7	615.1	603.2	588.0	569.5	547.7
-70°	428.5	435.6	439.9	441.3	439.9	435.6	428.5	418.6	405.9	390.4	372.2
-72.5°	253.0	257.9	260.9	261.9	260.9	257.9	253.0	246.1	237.3	226.5	213.9
-75°	114.5	116.5	117.6	118.0	117.6	116.5	114.5	111.8	108.4	104.1	99.2
-77.5°	50.9	51.3	51.6	51.7	51.6	51.3	50.9	50.2	49.4	48.3	47.1
-80°	31.9	32.1	32.3	32.3	32.3	32.1	31.9	31.6	31.2	30.7	30.2
-82.5°	20.8	20.9	21.0	21.0	21.0	20.9	20.8	20.7	20.5	20.3	20.1
-85°	14.4	14.5	14.5	14.5	14.5	14.5	14.4	14.4	14.3	14.2	14.1
-87.5°	9.6	9.7	9.7	9.7	9.7	9.7	9.6	9.6	9.5	9.4	9.3
-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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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°	9.1	9.0	8.8	8.6	8.4	8.2	7.9	7.7	7.4	7.2	6.9
85°	13.9	13.8	13.6	13.4	13.2	13.0	12.8	12.5	12.3	12.0	11.7
82.5°	19.8	19.5	19.2	18.8	18.4	17.9	17.5	17.0	16.4	15.9	15.3
80°	29.5	28.8	28.0	27.1	26.2	25.2	24.1	22.9	21.7	20.6	19.8
77.5°	45.8	44.2	42.5	40.6	38.5	36.3	33.9	31.8	30.2	28.6	26.9
75°	93.5	87.1	80.0	72.2	63.7	54.6	49.7	46.6	43.4	40.1	36.5
72.5°	199.4	183.0	164.9	145.0	123.5	109.8	98.4	86.2	73.4	59.9	50.0
70°	351.4	327.9	301.9	273.4	246.3	219.6	191.1	160.8	128.9	107.5	91.4
67.5°	522.7	494.6	463.5	430.0	395.0	357.3	317.1	274.4	235.8	197.9	158.3
65°	714.8	675.7	632.5	593.9	552.5	508.0	460.6	411.9	361.6	308.9	255.4
62.5°	934.8	889.5	840.4	787.8	730.9	669.8	609.7	554.0	495.4	434.4	373.6
60°	1158.2	1110.2	1054.9	994.5	929.2	859.4	787.8	712.1	632.5	564.8	494.6
57.5°	1376.1	1321.1	1262.8	1199.3	1130.6	1054.9	973.5	887.5	799.7	709.0	617.6
55°	1603.7	1545.1	1476.7	1402.1	1323.1	1243.1	1158.2	1066.8	968.9	866.5	764.3
52.5°	1764.3	1717.1	1665.1	1608.4	1526.7	1433.4	1335.1	1238.3	1136.8	1027.8	913.4
50°	1816.5	1801.5	1784.9	1755.0	1689.0	1618.7	1522.2	1410.1	1296.4	1182.9	1063.5
47.5°	1970.5	1909.9	1843.3	1809.4	1788.6	1753.1	1673.2	1586.6	1461.1	1331.6	1206.2
45°	3068.8	2522.4	2004.9	1927.1	1843.7	1805.2	1780.0	1710.1	1616.6	1486.8	1343.4
42.5°	4325.0	3845.9	3253.0	2556.0	1991.4	1896.6	1816.4	1788.3	1728.6	1625.7	1486.8
40°	5084.4	4930.6	4385.5	3778.0	3017.2	2174.0	1928.8	1822.1	1791.1	1728.6	1616.6
37.5°	5402.0	5254.1	5073.8	4779.7	4087.8	3297.8	2357.5	1939.5	1822.1	1788.3	1710.1
35°	5670.8	5529.4	5367.4	5171.3	4951.7	4244.5	3392.0	2357.5	1928.8	1816.4	1780.0
32.5°	5892.5	5761.4	5616.3	5431.0	5220.7	4975.7	4244.5	3297.8	2174.0	1896.6	1805.2
30°	5942.8	5914.4	5816.9	5655.8	5452.4	5220.7	4951.7	4087.8	3017.2	1991.4	1843.7
27.5°	5950.3	5954.0	5922.2	5835.6	5655.8	5431.0	5171.3	4779.7	3778.0	2556.0	1927.1
25°	5913.6	5949.3	5953.5	5922.2	5816.9	5616.3	5367.4	5073.8	4385.5	3253.0	2004.9
22.5°	5889.6	5905.6	5949.3	5954.0	5914.4	5761.4	5529.4	5254.1	4930.6	3845.9	2522.4
20°	6157.6	5889.6	5913.6	5950.3	5942.8	5892.5	5670.8	5402.0	5084.4	4325.0	3068.8
17.5°	8213.3	6122.4	5859.5	5937.1	5952.3	5923.1	5781.3	5527.5	5223.1	4756.2	3559.4
15°	11564.4	7384.1	6018.7	5892.0	5949.5	5944.6	5879.7	5638.2	5340.1	4986.4	3921.7
12.5°	19459.8	9501.7	6191.2	5852.4	5939.0	5953.0	5913.6	5716.6	5428.7	5083.8	4223.0
10°	27116.8	13287.1	7414.3	5984.8	5908.5	5951.1	5927.9	5781.9	5502.2	5164.6	4472.4
7.5°	36166.1	18264.0	8733.8	6091.3	5884.2	5949.6	5939.3	5833.4	5560.1	5228.1	4668.3
5°	42889.2	21933.2	9700.9	6169.0	5866.5	5948.5	5947.5	5870.7	5601.9	5273.9	4809.3
2.5°	47037.8	24184.2	10291.6	6216.3	5855.8	5947.8	5952.4	5893.2	5627.2	5301.5	4894.3
0°	48441.0	24943.2	10490.4	6232.2	5852.2	5947.6	5954.1	5900.7	5635.6	5310.7	4922.7
-2.5°	47037.8	24184.2	10291.6	6216.3	5855.8	5947.8	5952.4	5893.2	5627.2	5301.5	4894.3
-5°	42889.2	21933.2	9700.9	6169.0	5866.5	5948.5	5947.5	5870.7	5601.9	5273.9	4809.3
-7.5°	36166.1	18264.0	8733.8	6091.3	5884.2	5949.6	5939.3	5833.4	5560.1	5228.1	4668.3
-10°	27116.8	13287.1	7414.3	5984.8	5908.5	5951.1	5927.9	5781.9	5502.2	5164.6	4472.4
-12.5°	19459.8	9501.7	6191.2	5852.4	5939.0	5953.0	5913.6	5716.6	5428.7	5083.8	4223.0
-15°	11564.4	7384.1	6018.7	5892.0	5949.5	5944.6	5879.7	5638.2	5340.1	4986.4	3921.7
-17.5°	8213.3	6122.4	5859.5	5937.1	5952.3	5923.1	5781.3	5527.5	5223.1	4756.2	3559.4
-20°	6157.6	5889.6	5913.6	5950.3	5942.8	5892.5	5670.8	5402.0	5084.4	4325.0	3068.8



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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°	5889.6	5905.6	5949.3	5954.0	5914.4	5761.4	5529.4	5254.1	4930.6	3845.9	2522.4
-25°	5913.6	5949.3	5953.5	5922.2	5816.9	5616.3	5367.4	5073.8	4385.5	3253.0	2004.9
-27.5°	5950.3	5954.0	5922.2	5835.6	5655.8	5431.0	5171.3	4779.7	3778.0	2556.0	1927.1
-30°	5942.8	5914.4	5816.9	5655.8	5452.4	5220.7	4951.7	4087.8	3017.2	1991.4	1843.7
-32.5°	5892.5	5761.4	5616.3	5431.0	5220.7	4975.7	4244.5	3297.8	2174.0	1896.6	1805.2
-35°	5670.8	5529.4	5367.4	5171.3	4951.7	4244.5	3392.0	2357.5	1928.8	1816.4	1780.0
-37.5°	5402.0	5254.1	5073.8	4779.7	4087.8	3297.8	2357.5	1939.5	1822.1	1788.3	1710.1
-40°	5084.4	4930.6	4385.5	3778.0	3017.2	2174.0	1928.8	1822.1	1791.1	1728.6	1616.6
-42.5°	4325.0	3845.9	3253.0	2556.0	1991.4	1896.6	1816.4	1788.3	1728.6	1625.7	1486.8
-45°	3068.8	2522.4	2004.9	1927.1	1843.7	1805.2	1780.0	1710.1	1616.6	1486.8	1343.4
-47.5°	1970.5	1909.9	1843.3	1809.4	1788.6	1753.1	1673.2	1586.6	1461.1	1331.6	1206.2
-50°	1816.5	1801.5	1784.9	1755.0	1689.0	1618.7	1522.2	1410.1	1296.4	1182.9	1063.5
-52.5°	1764.3	1717.1	1665.1	1608.4	1526.7	1433.4	1335.1	1238.3	1136.8	1027.8	913.4
-55°	1603.7	1545.1	1476.7	1402.1	1323.1	1243.1	1158.2	1066.8	968.9	866.5	764.3
-57.5°	1376.1	1321.1	1262.8	1199.3	1130.6	1054.9	973.5	887.5	799.7	709.0	617.6
-60°	1158.2	1110.2	1054.9	994.5	929.2	859.4	787.8	712.1	632.5	564.8	494.6
-62.5°	934.8	889.5	840.4	787.8	730.9	669.8	609.7	554.0	495.4	434.4	373.6
-65°	714.8	675.7	632.5	593.9	552.5	508.0	460.6	411.9	361.6	308.9	255.4
-67.5°	522.7	494.6	463.5	430.0	395.0	357.3	317.1	274.4	235.8	197.9	158.3
-70°	351.4	327.9	301.9	273.4	246.3	219.6	191.1	160.8	128.9	107.5	91.4
-72.5°	199.4	183.0	164.9	145.0	123.5	109.8	98.4	86.2	73.4	59.9	50.0
-75°	93.5	87.1	80.0	72.2	63.7	54.6	49.7	46.6	43.4	40.1	36.5
-77.5°	45.8	44.2	42.5	40.6	38.5	36.3	33.9	31.8	30.2	28.6	26.9
-80°	29.5	28.8	28.0	27.1	26.2	25.2	24.1	22.9	21.7	20.6	19.8
-82.5°	19.8	19.5	19.2	18.8	18.4	17.9	17.5	17.0	16.4	15.9	15.3
-85°	13.9	13.8	13.6	13.4	13.2	13.0	12.8	12.5	12.3	12.0	11.7
-87.5°	9.1	9.0	8.8	8.6	8.4	8.2	7.9	7.7	7.4	7.2	6.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305402 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-70-2S-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°	6.6	6.2	5.9	5.6	5.2	4.8	4.5	4.1	3.7	3.3	2.9
85°	11.4	11.1	10.7	10.4	10.1	9.7	8.9	8.2	7.4	6.6	5.8
82.5°	14.7	14.1	13.7	13.1	12.6	12.1	11.5	11.0	10.4	9.8	8.7
80°	19.0	18.2	17.3	16.4	15.4	14.5	13.7	13.0	12.2	11.4	10.6
77.5°	25.1	23.2	21.3	20.0	18.9	17.7	16.4	15.1	14.0	13.1	12.1
75°	32.8	30.4	28.1	25.7	23.2	20.8	19.3	17.8	16.3	14.7	13.5
72.5°	45.7	41.2	36.6	32.0	29.1	26.2	23.2	20.5	18.7	16.8	15.0
70°	74.5	57.0	48.0	42.5	36.9	31.6	28.2	24.7	21.1	19.0	16.8
67.5°	117.6	97.8	77.5	56.5	46.8	40.3	33.7	29.2	25.2	21.1	18.7
65°	209.5	161.9	115.6	92.2	68.3	49.4	42.0	34.5	29.2	24.7	20.5
62.5°	310.5	248.4	194.3	138.6	101.2	74.2	50.2	42.0	33.7	28.2	23.2
60°	422.8	351.4	277.8	213.9	151.6	104.1	74.2	49.4	40.3	31.6	26.2
57.5°	538.5	456.8	376.1	294.2	220.4	151.6	101.2	68.3	46.8	36.9	29.1
55°	658.6	565.0	474.3	384.4	294.2	213.9	138.6	92.2	56.5	42.5	32.0
52.5°	797.8	680.7	573.9	474.3	376.1	277.8	194.3	115.6	77.5	48.0	36.6
50°	937.0	809.1	680.7	565.0	456.8	351.4	248.4	161.9	97.8	57.0	41.2
47.5°	1075.5	937.0	797.8	658.6	538.5	422.8	310.5	209.5	117.6	74.5	45.7
45°	1206.2	1063.5	913.4	764.3	617.6	494.6	373.6	255.4	158.3	91.4	50.0
42.5°	1331.6	1182.9	1027.8	866.5	709.0	564.8	434.4	308.9	197.9	107.5	59.9
40°	1461.1	1296.4	1136.8	968.9	799.7	632.5	495.4	361.6	235.8	128.9	73.4
37.5°	1586.6	1410.1	1238.3	1066.8	887.5	712.1	554.0	411.9	274.4	160.8	86.2
35°	1673.2	1522.2	1335.1	1158.2	973.5	787.8	609.7	460.6	317.1	191.1	98.4
32.5°	1753.1	1618.7	1433.4	1243.1	1054.9	859.4	669.8	508.0	357.3	219.6	109.8
30°	1788.6	1689.0	1526.7	1323.1	1130.6	929.2	730.9	552.5	395.0	246.3	123.5
27.5°	1809.4	1755.0	1608.4	1402.1	1199.3	994.5	787.8	593.9	430.0	273.4	145.0
25°	1843.3	1784.9	1665.1	1476.7	1262.8	1054.9	840.4	632.5	463.5	301.9	164.9
22.5°	1909.9	1801.5	1717.1	1545.1	1321.1	1110.2	889.5	675.7	494.6	327.9	183.0
20°	1970.5	1816.5	1764.3	1603.7	1376.1	1158.2	934.8	714.8	522.7	351.4	199.4
17.5°	2089.7	1847.4	1782.0	1642.4	1426.7	1200.9	975.0	749.5	547.7	372.2	213.9
15°	2487.9	1891.4	1792.9	1676.2	1471.0	1238.3	1010.2	779.9	569.5	390.4	226.5
12.5°	2829.1	1929.0	1802.2	1705.2	1508.7	1270.2	1040.2	805.7	588.0	405.9	237.3
10°	3111.2	1960.1	1809.8	1729.0	1539.8	1296.4	1064.8	826.9	603.2	418.6	246.1
7.5°	3332.6	1984.4	1815.8	1747.7	1564.2	1316.9	1084.1	843.5	615.1	428.5	253.0
5°	3491.7	2001.9	1820.1	1761.1	1581.6	1331.6	1097.9	855.4	623.7	435.6	257.9
2.5°	3587.7	2012.5	1822.7	1769.1	1592.1	1340.4	1106.2	862.5	628.8	439.9	260.9
0°	3619.7	2016.0	1823.6	1771.8	1595.6	1343.4	1109.0	864.9	630.5	441.3	261.9
-2.5°	3587.7	2012.5	1822.7	1769.1	1592.1	1340.4	1106.2	862.5	628.8	439.9	260.9
-5°	3491.7	2001.9	1820.1	1761.1	1581.6	1331.6	1097.9	855.4	623.7	435.6	257.9
-7.5°	3332.6	1984.4	1815.8	1747.7	1564.2	1316.9	1084.1	843.5	615.1	428.5	253.0
-10°	3111.2	1960.1	1809.8	1729.0	1539.8	1296.4	1064.8	826.9	603.2	418.6	246.1
-12.5°	2829.1	1929.0	1802.2	1705.2	1508.7	1270.2	1040.2	805.7	588.0	405.9	237.3
-15°	2487.9	1891.4	1792.9	1676.2	1471.0	1238.3	1010.2	779.9	569.5	390.4	226.5
-17.5°	2089.7	1847.4	1782.0	1642.4	1426.7	1200.9	975.0	749.5	547.7	372.2	213.9
-20°	1970.5	1816.5	1764.3	1603.7	1376.1	1158.2	934.8	714.8	522.7	351.4	199.4



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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°	1909.9	1801.5	1717.1	1545.1	1321.1	1110.2	889.5	675.7	494.6	327.9	183.0
-25°	1843.3	1784.9	1665.1	1476.7	1262.8	1054.9	840.4	632.5	463.5	301.9	164.9
-27.5°	1809.4	1755.0	1608.4	1402.1	1199.3	994.5	787.8	593.9	430.0	273.4	145.0
-30°	1788.6	1689.0	1526.7	1323.1	1130.6	929.2	730.9	552.5	395.0	246.3	123.5
-32.5°	1753.1	1618.7	1433.4	1243.1	1054.9	859.4	669.8	508.0	357.3	219.6	109.8
-35°	1673.2	1522.2	1335.1	1158.2	973.5	787.8	609.7	460.6	317.1	191.1	98.4
-37.5°	1586.6	1410.1	1238.3	1066.8	887.5	712.1	554.0	411.9	274.4	160.8	86.2
-40°	1461.1	1296.4	1136.8	968.9	799.7	632.5	495.4	361.6	235.8	128.9	73.4
-42.5°	1331.6	1182.9	1027.8	866.5	709.0	564.8	434.4	308.9	197.9	107.5	59.9
-45°	1206.2	1063.5	913.4	764.3	617.6	494.6	373.6	255.4	158.3	91.4	50.0
-47.5°	1075.5	937.0	797.8	658.6	538.5	422.8	310.5	209.5	117.6	74.5	45.7
-50°	937.0	809.1	680.7	565.0	456.8	351.4	248.4	161.9	97.8	57.0	41.2
-52.5°	797.8	680.7	573.9	474.3	376.1	277.8	194.3	115.6	77.5	48.0	36.6
-55°	658.6	565.0	474.3	384.4	294.2	213.9	138.6	92.2	56.5	42.5	32.0
-57.5°	538.5	456.8	376.1	294.2	220.4	151.6	101.2	68.3	46.8	36.9	29.1
-60°	422.8	351.4	277.8	213.9	151.6	104.1	74.2	49.4	40.3	31.6	26.2
-62.5°	310.5	248.4	194.3	138.6	101.2	74.2	50.2	42.0	33.7	28.2	23.2
-65°	209.5	161.9	115.6	92.2	68.3	49.4	42.0	34.5	29.2	24.7	20.5
-67.5°	117.6	97.8	77.5	56.5	46.8	40.3	33.7	29.2	25.2	21.1	18.7
-70°	74.5	57.0	48.0	42.5	36.9	31.6	28.2	24.7	21.1	19.0	16.8
-72.5°	45.7	41.2	36.6	32.0	29.1	26.2	23.2	20.5	18.7	16.8	15.0
-75°	32.8	30.4	28.1	25.7	23.2	20.8	19.3	17.8	16.3	14.7	13.5
-77.5°	25.1	23.2	21.3	20.0	18.9	17.7	16.4	15.1	14.0	13.1	12.1
-80°	19.0	18.2	17.3	16.4	15.4	14.5	13.7	13.0	12.2	11.4	10.6
-82.5°	14.7	14.1	13.7	13.1	12.6	12.1	11.5	11.0	10.4	9.8	8.7
-85°	11.4	11.1	10.7	10.4	10.1	9.7	8.9	8.2	7.4	6.6	5.8
-87.5°	6.6	6.2	5.9	5.6	5.2	4.8	4.5	4.1	3.7	3.3	2.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	2.5	2.1	1.7	1.3	0.8	0.4	0.0
85°	5.0	4.2	3.4	2.5	1.7	0.8	0.0
82.5°	7.5	6.3	5.0	3.8	2.5	1.3	0.0
80°	9.8	8.4	6.7	5.0	3.4	1.7	0.0
77.5°	11.1	10.1	8.4	6.3	4.2	2.1	0.0
75°	12.3	11.1	9.8	7.5	5.0	2.5	0.0
72.5°	13.5	12.1	10.6	8.7	5.8	2.9	0.0
70°	14.7	13.1	11.4	9.8	6.6	3.3	0.0
67.5°	16.3	14.0	12.2	10.4	7.4	3.7	0.0
65°	17.8	15.1	13.0	11.0	8.2	4.1	0.0
62.5°	19.3	16.4	13.7	11.5	8.9	4.5	0.0
60°	20.8	17.7	14.5	12.1	9.7	4.8	0.0
57.5°	23.2	18.9	15.4	12.6	10.1	5.2	0.0
55°	25.7	20.0	16.4	13.1	10.4	5.6	0.0
52.5°	28.1	21.3	17.3	13.7	10.7	5.9	0.0
50°	30.4	23.2	18.2	14.1	11.1	6.2	0.0
47.5°	32.8	25.1	19.0	14.7	11.4	6.6	0.0
45°	36.5	26.9	19.8	15.3	11.7	6.9	0.0
42.5°	40.1	28.6	20.6	15.9	12.0	7.2	0.0
40°	43.4	30.2	21.7	16.4	12.3	7.4	0.0
37.5°	46.6	31.8	22.9	17.0	12.5	7.7	0.0
35°	49.7	33.9	24.1	17.5	12.8	7.9	0.0
32.5°	54.6	36.3	25.2	17.9	13.0	8.2	0.0
30°	63.7	38.5	26.2	18.4	13.2	8.4	0.0
27.5°	72.2	40.6	27.1	18.8	13.4	8.6	0.0
25°	80.0	42.5	28.0	19.2	13.6	8.8	0.0
22.5°	87.1	44.2	28.8	19.5	13.8	9.0	0.0
20°	93.5	45.8	29.5	19.8	13.9	9.1	0.0
17.5°	99.2	47.1	30.2	20.1	14.1	9.3	0.0
15°	104.1	48.3	30.7	20.3	14.2	9.4	0.0
12.5°	108.4	49.4	31.2	20.5	14.3	9.5	0.0
10°	111.8	50.2	31.6	20.7	14.4	9.6	0.0
7.5°	114.5	50.9	31.9	20.8	14.4	9.6	0.0
5°	116.5	51.3	32.1	20.9	14.5	9.7	0.0
2.5°	117.6	51.6	32.3	21.0	14.5	9.7	0.0
0°	118.0	51.7	32.3	21.0	14.5	9.7	0.0
-2.5°	117.6	51.6	32.3	21.0	14.5	9.7	0.0
-5°	116.5	51.3	32.1	20.9	14.5	9.7	0.0
-7.5°	114.5	50.9	31.9	20.8	14.4	9.6	0.0
-10°	111.8	50.2	31.6	20.7	14.4	9.6	0.0
-12.5°	108.4	49.4	31.2	20.5	14.3	9.5	0.0
-15°	104.1	48.3	30.7	20.3	14.2	9.4	0.0
-17.5°	99.2	47.1	30.2	20.1	14.1	9.3	0.0
-20°	93.5	45.8	29.5	19.8	13.9	9.1	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	87.1	44.2	28.8	19.5	13.8	9.0	0.0
-25°	80.0	42.5	28.0	19.2	13.6	8.8	0.0
-27.5°	72.2	40.6	27.1	18.8	13.4	8.6	0.0
-30°	63.7	38.5	26.2	18.4	13.2	8.4	0.0
-32.5°	54.6	36.3	25.2	17.9	13.0	8.2	0.0
-35°	49.7	33.9	24.1	17.5	12.8	7.9	0.0
-37.5°	46.6	31.8	22.9	17.0	12.5	7.7	0.0
-40°	43.4	30.2	21.7	16.4	12.3	7.4	0.0
-42.5°	40.1	28.6	20.6	15.9	12.0	7.2	0.0
-45°	36.5	26.9	19.8	15.3	11.7	6.9	0.0
-47.5°	32.8	25.1	19.0	14.7	11.4	6.6	0.0
-50°	30.4	23.2	18.2	14.1	11.1	6.2	0.0
-52.5°	28.1	21.3	17.3	13.7	10.7	5.9	0.0
-55°	25.7	20.0	16.4	13.1	10.4	5.6	0.0
-57.5°	23.2	18.9	15.4	12.6	10.1	5.2	0.0
-60°	20.8	17.7	14.5	12.1	9.7	4.8	0.0
-62.5°	19.3	16.4	13.7	11.5	8.9	4.5	0.0
-65°	17.8	15.1	13.0	11.0	8.2	4.1	0.0
-67.5°	16.3	14.0	12.2	10.4	7.4	3.7	0.0
-70°	14.7	13.1	11.4	9.8	6.6	3.3	0.0
-72.5°	13.5	12.1	10.6	8.7	5.8	2.9	0.0
-75°	12.3	11.1	9.8	7.5	5.0	2.5	0.0
-77.5°	11.1	10.1	8.4	6.3	4.2	2.1	0.0
-80°	9.8	8.4	6.7	5.0	3.4	1.7	0.0
-82.5°	7.5	6.3	5.0	3.8	2.5	1.3	0.0
-85°	5.0	4.2	3.4	2.5	1.7	0.8	0.0
-87.5°	2.5	2.1	1.7	1.3	0.8	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)