

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: P1305378 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-40-70-2S-HEG-A**

Issue Date: 2/3/2026

Test Information

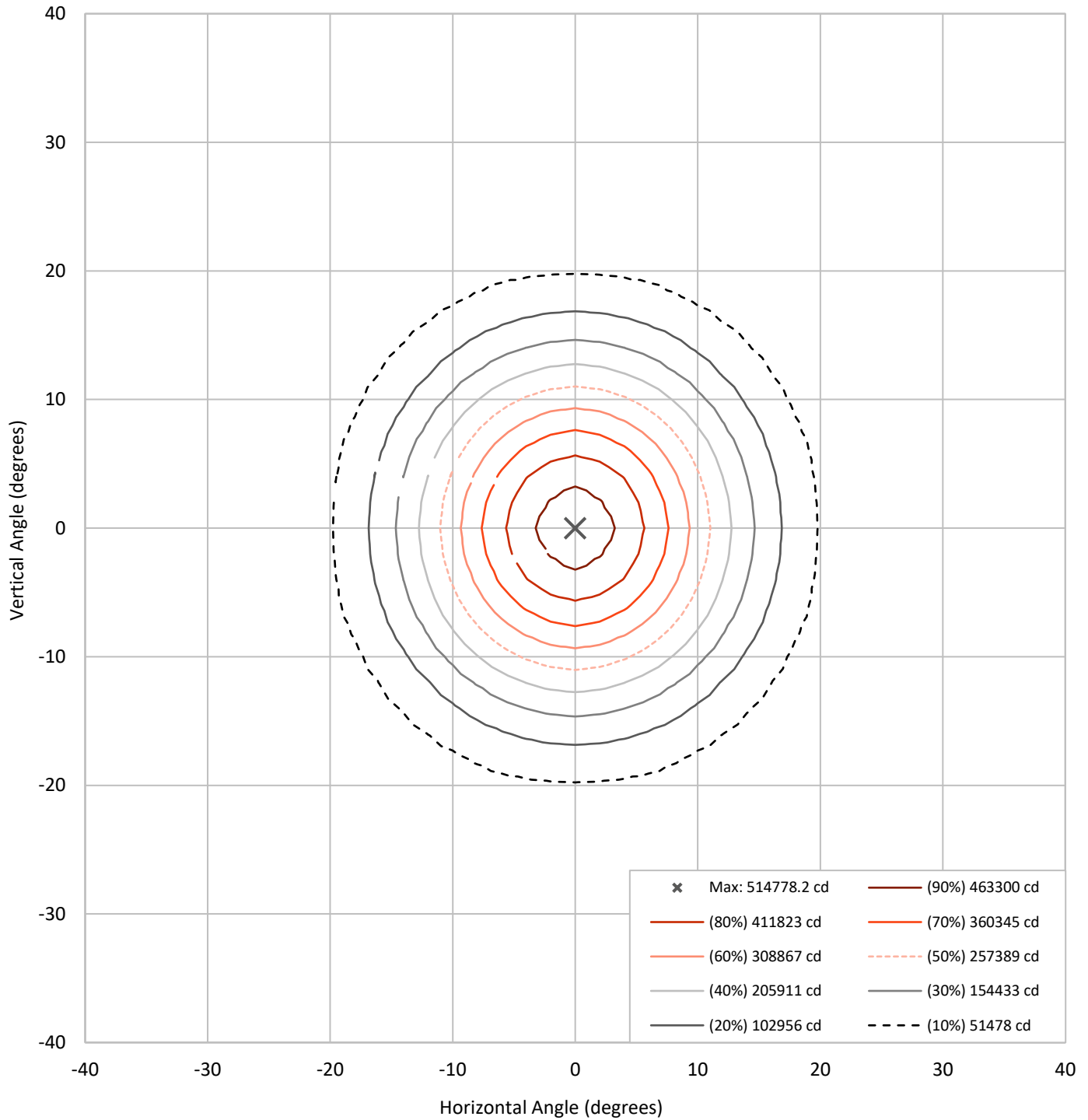
Test Method: LM-79-08
Report Number: P1305378 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-2)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-640L-40-70-2S-HEG-A
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 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:	92727.8 lumens	Max Intensity:	514778.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	138.4 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:	40982.6 lumens	Field Lumens:	76114.5 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





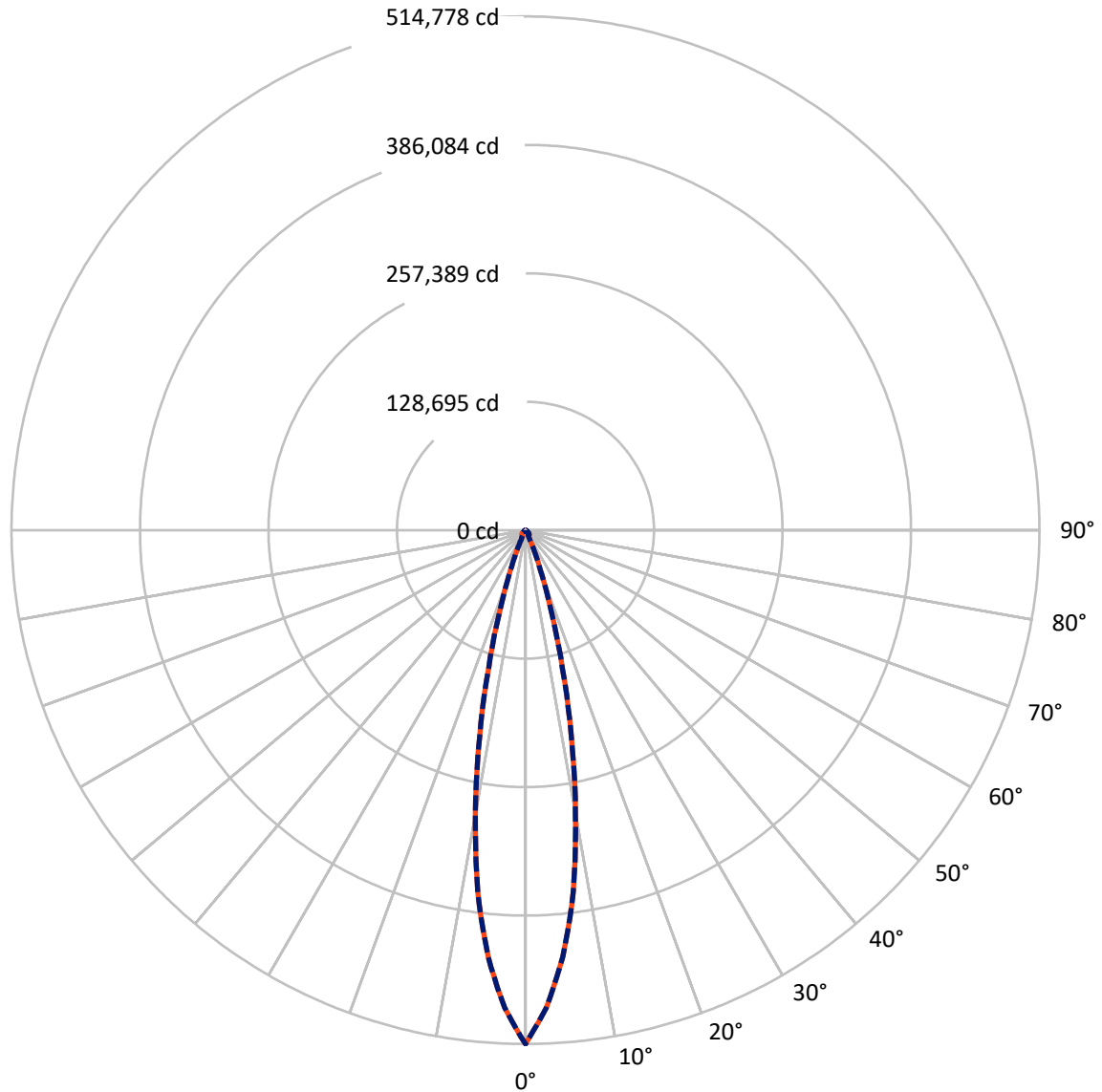
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Lumen Table

90	0.2	1.0	3.3	8.2	10.8	8.2	3.3	1.0	0.2							
80	0.2	1.0	3.3	8.2	10.8	8.2	3.3	1.0	0.2							
70	0.4	0.5	1.9	5.8	11.6	17.8	23.0	25.9	25.9	23.0	17.8	11.6	5.8	1.9	0.5	0.4
60		1.5	6.8	16.5	28.5	39.7	47.3	51.1	51.1	47.3	39.7	28.5	16.5	6.8	1.5	
50	1.1	3.6	13.5	28.6	43.6	70.7	108.2	129.6	129.6	108.2	70.7	43.6	28.6	13.5	3.6	1.1
40		6.2	20.2	37.7	83.3	143.1	167.6	176.3	176.3	167.6	143.1	83.3	37.7	20.2	6.2	
30	2.4	8.6	25.3	55.7	129.5	161.1	220.3	449.5	449.5	220.3	161.1	129.5	55.7	25.3	8.6	2.4
20		10.4	28.3	80.3	142.3	207.3	1311.5	3886.2	3886.2	1311.5	207.3	142.3	80.3	28.3	10.4	
10	3.0	11.3	29.6	93.0	145.0	414.3	3787.5	10651.5	10651.5	3787.5	414.3	145.0	93.0	29.6	11.3	3.0
0		11.3	29.6	93.0	145.0	414.3	3787.5	10651.5	10651.5	3787.5	414.3	145.0	93.0	29.6	11.3	
-10	2.4	10.4	28.3	80.3	142.3	207.3	1311.5	3886.2	3886.2	1311.5	207.3	142.3	80.3	28.3	10.4	2.4
-20		8.6	25.3	55.7	129.5	161.1	220.3	449.5	449.5	220.3	161.1	129.5	55.7	25.3	8.6	
-30	1.1	6.2	20.2	37.7	83.3	143.1	167.6	176.3	176.3	167.6	143.1	83.3	37.7	20.2	6.2	1.1
-40		3.6	13.5	28.6	43.6	70.7	108.2	129.6	129.6	108.2	70.7	43.6	28.6	13.5	3.6	
-50	0.4	1.5	6.8	16.5	28.5	39.7	47.3	51.1	51.1	47.3	39.7	28.5	16.5	6.8	1.5	0.4
-60		0.5	1.9	5.8	11.6	17.8	23.0	25.9	25.9	23.0	17.8	11.6	5.8	1.9	0.5	
-70	0.2	1.0	3.3	8.2	10.8	8.2	3.3	1.0	0.2							
-80	0.2	1.0	3.3	8.2	10.8	8.2	3.3	1.0	0.2							
-90	0.2	1.0	3.3	8.2	10.8	8.2	3.3	1.0	0.2							

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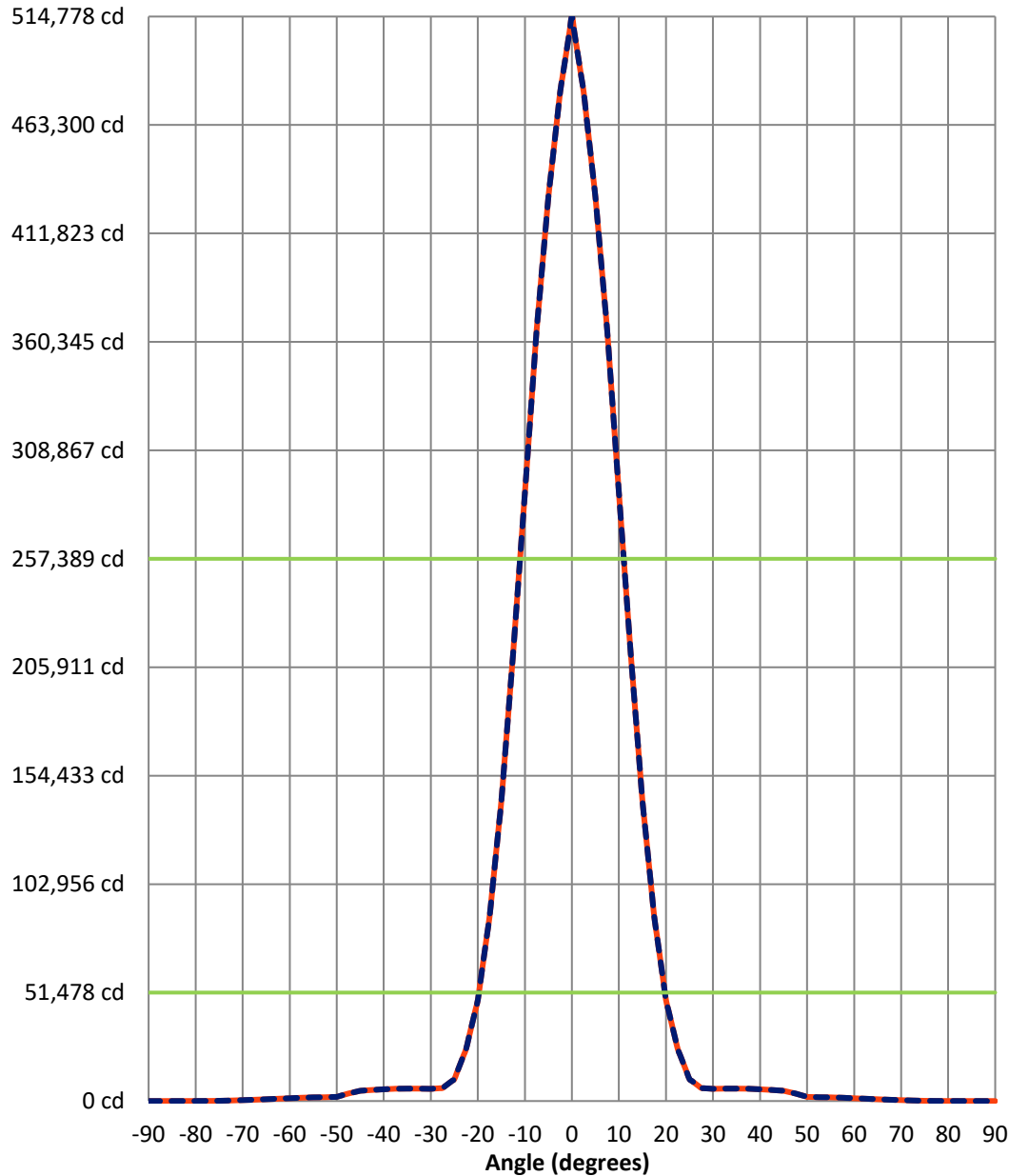
Luminous Intensity Polar Plot



— 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: 40982.6
Efficiency: 44.2%

Field:
H Angle: 39.6°
V Angle: 39.6°
Lumens: 76114.5
Efficiency: 82.1%

Spill:
Lumens: 16613.3
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	3.3	4.2	5.0	5.8	6.6	7.3	8.1
82.5°	0.0	1.3	2.5	3.7	5.0	6.2	7.4	8.6	9.7	10.3	10.9
80°	0.0	1.7	3.3	5.0	6.6	8.3	9.7	10.5	11.3	12.1	12.9
77.5°	0.0	2.1	4.2	6.2	8.3	10.0	11.0	12.0	13.0	13.9	15.0
75°	0.0	2.5	5.0	7.4	9.7	11.0	12.2	13.4	14.6	16.2	17.7
72.5°	0.0	2.9	5.8	8.6	10.5	12.0	13.4	14.9	16.7	18.5	20.3
70°	0.0	3.3	6.6	9.7	11.3	13.0	14.6	16.7	18.8	20.9	24.4
67.5°	0.0	3.7	7.3	10.3	12.1	13.9	16.2	18.5	20.9	24.9	28.9
65°	0.0	4.1	8.1	10.9	12.9	15.0	17.7	20.3	24.4	28.9	34.2
62.5°	0.0	4.4	8.9	11.4	13.6	16.3	19.2	23.0	27.9	33.4	41.6
60°	0.0	4.8	9.6	12.0	14.4	17.5	20.6	25.9	31.3	39.9	48.9
57.5°	0.0	5.2	10.0	12.5	15.3	18.7	23.0	28.9	36.5	46.3	67.6
55°	0.0	5.5	10.3	13.0	16.2	19.9	25.4	31.7	42.1	55.9	91.4
52.5°	0.0	5.8	10.6	13.6	17.1	21.1	27.8	36.2	47.5	76.7	114.5
50°	0.0	6.2	11.0	14.0	18.0	23.0	30.1	40.8	56.5	96.9	160.4
47.5°	0.0	6.5	11.3	14.6	18.8	24.9	32.5	45.2	73.8	116.5	207.5
45°	0.0	6.8	11.6	15.2	19.7	26.6	36.2	49.5	90.5	156.8	253.0
42.5°	0.0	7.1	11.9	15.7	20.4	28.3	39.7	59.3	106.5	196.0	306.0
40°	0.0	7.4	12.2	16.3	21.4	30.0	43.0	72.7	127.7	233.6	358.2
37.5°	0.0	7.6	12.4	16.8	22.7	31.5	46.2	85.4	159.3	271.8	408.0
35°	0.0	7.9	12.7	17.3	23.8	33.6	49.2	97.5	189.3	314.1	456.3
32.5°	0.0	8.1	12.9	17.8	24.9	36.0	54.0	108.8	217.5	353.9	503.2
30°	0.0	8.3	13.1	18.2	25.9	38.2	63.1	122.3	244.0	391.3	547.3
27.5°	0.0	8.5	13.3	18.6	26.9	40.2	71.5	143.7	270.8	426.0	588.2
25°	0.0	8.7	13.5	19.0	27.8	42.1	79.2	163.4	299.1	459.2	626.5
22.5°	0.0	8.9	13.7	19.3	28.6	43.8	86.3	181.3	324.9	490.0	669.3
20°	0.0	9.0	13.8	19.6	29.3	45.3	92.6	197.5	348.1	517.8	708.0
17.5°	0.0	9.2	14.0	19.9	29.9	46.7	98.3	211.8	368.8	542.5	742.4
15°	0.0	9.3	14.1	20.1	30.5	47.9	103.2	224.4	386.8	564.1	772.5
12.5°	0.0	9.4	14.2	20.3	30.9	48.9	107.3	235.0	402.1	582.4	798.0
10°	0.0	9.5	14.3	20.5	31.3	49.7	110.8	243.8	414.7	597.5	819.1
7.5°	0.0	9.5	14.3	20.6	31.6	50.4	113.4	250.6	424.5	609.3	835.5
5°	0.0	9.6	14.4	20.7	31.8	50.8	115.4	255.5	431.6	617.7	847.3
2.5°	0.0	9.6	14.4	20.8	32.0	51.1	116.5	258.4	435.8	622.8	854.3
0°	0.0	9.6	14.4	20.8	32.0	51.2	116.9	259.4	437.2	624.5	856.7
-2.5°	0.0	9.6	14.4	20.8	32.0	51.1	116.5	258.4	435.8	622.8	854.3
-5°	0.0	9.6	14.4	20.7	31.8	50.8	115.4	255.5	431.6	617.7	847.3
-7.5°	0.0	9.5	14.3	20.6	31.6	50.4	113.4	250.6	424.5	609.3	835.5
-10°	0.0	9.5	14.3	20.5	31.3	49.7	110.8	243.8	414.7	597.5	819.1
-12.5°	0.0	9.4	14.2	20.3	30.9	48.9	107.3	235.0	402.1	582.4	798.0
-15°	0.0	9.3	14.1	20.1	30.5	47.9	103.2	224.4	386.8	564.1	772.5
-17.5°	0.0	9.2	14.0	19.9	29.9	46.7	98.3	211.8	368.8	542.5	742.4
-20°	0.0	9.0	13.8	19.6	29.3	45.3	92.6	197.5	348.1	517.8	708.0



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 CATALOG NUMBER: EPH-08-640L-40-70-2S-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	8.9	13.7	19.3	28.6	43.8	86.3	181.3	324.9	490.0	669.3
-25°	0.0	8.7	13.5	19.0	27.8	42.1	79.2	163.4	299.1	459.2	626.5
-27.5°	0.0	8.5	13.3	18.6	26.9	40.2	71.5	143.7	270.8	426.0	588.2
-30°	0.0	8.3	13.1	18.2	25.9	38.2	63.1	122.3	244.0	391.3	547.3
-32.5°	0.0	8.1	12.9	17.8	24.9	36.0	54.0	108.8	217.5	353.9	503.2
-35°	0.0	7.9	12.7	17.3	23.8	33.6	49.2	97.5	189.3	314.1	456.3
-37.5°	0.0	7.6	12.4	16.8	22.7	31.5	46.2	85.4	159.3	271.8	408.0
-40°	0.0	7.4	12.2	16.3	21.4	30.0	43.0	72.7	127.7	233.6	358.2
-42.5°	0.0	7.1	11.9	15.7	20.4	28.3	39.7	59.3	106.5	196.0	306.0
-45°	0.0	6.8	11.6	15.2	19.7	26.6	36.2	49.5	90.5	156.8	253.0
-47.5°	0.0	6.5	11.3	14.6	18.8	24.9	32.5	45.2	73.8	116.5	207.5
-50°	0.0	6.2	11.0	14.0	18.0	23.0	30.1	40.8	56.5	96.9	160.4
-52.5°	0.0	5.8	10.6	13.6	17.1	21.1	27.8	36.2	47.5	76.7	114.5
-55°	0.0	5.5	10.3	13.0	16.2	19.9	25.4	31.7	42.1	55.9	91.4
-57.5°	0.0	5.2	10.0	12.5	15.3	18.7	23.0	28.9	36.5	46.3	67.6
-60°	0.0	4.8	9.6	12.0	14.4	17.5	20.6	25.9	31.3	39.9	48.9
-62.5°	0.0	4.4	8.9	11.4	13.6	16.3	19.2	23.0	27.9	33.4	41.6
-65°	0.0	4.1	8.1	10.9	12.9	15.0	17.7	20.3	24.4	28.9	34.2
-67.5°	0.0	3.7	7.3	10.3	12.1	13.9	16.2	18.5	20.9	24.9	28.9
-70°	0.0	3.3	6.6	9.7	11.3	13.0	14.6	16.7	18.8	20.9	24.4
-72.5°	0.0	2.9	5.8	8.6	10.5	12.0	13.4	14.9	16.7	18.5	20.3
-75°	0.0	2.5	5.0	7.4	9.7	11.0	12.2	13.4	14.6	16.2	17.7
-77.5°	0.0	2.1	4.2	6.2	8.3	10.0	11.0	12.0	13.0	13.9	15.0
-80°	0.0	1.7	3.3	5.0	6.6	8.3	9.7	10.5	11.3	12.1	12.9
-82.5°	0.0	1.3	2.5	3.7	5.0	6.2	7.4	8.6	9.7	10.3	10.9
-85°	0.0	0.8	1.7	2.5	3.3	4.2	5.0	5.8	6.6	7.3	8.1
-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-40-70-2S-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°	4.4	4.8	5.2	5.5	5.8	6.2	6.5	6.8	7.1	7.4	7.6
85°	8.9	9.6	10.0	10.3	10.6	11.0	11.3	11.6	11.9	12.2	12.4
82.5°	11.4	12.0	12.5	13.0	13.6	14.0	14.6	15.2	15.7	16.3	16.8
80°	13.6	14.4	15.3	16.2	17.1	18.0	18.8	19.7	20.4	21.4	22.7
77.5°	16.3	17.5	18.7	19.9	21.1	23.0	24.9	26.6	28.3	30.0	31.5
75°	19.2	20.6	23.0	25.4	27.8	30.1	32.5	36.2	39.7	43.0	46.2
72.5°	23.0	25.9	28.9	31.7	36.2	40.8	45.2	49.5	59.3	72.7	85.4
70°	27.9	31.3	36.5	42.1	47.5	56.5	73.8	90.5	106.5	127.7	159.3
67.5°	33.4	39.9	46.3	55.9	76.7	96.9	116.5	156.8	196.0	233.6	271.8
65°	41.6	48.9	67.6	91.4	114.5	160.4	207.5	253.0	306.0	358.2	408.0
62.5°	49.7	73.5	100.2	137.3	192.5	246.1	307.5	370.1	430.3	490.8	548.8
60°	73.5	103.2	150.2	211.8	275.1	348.1	418.9	490.0	559.4	626.5	705.4
57.5°	100.2	150.2	218.3	291.4	372.6	452.5	533.4	611.7	702.2	792.2	879.0
55°	137.3	211.8	291.4	380.8	469.9	559.7	652.3	757.1	858.3	959.7	1056.8
52.5°	192.5	275.1	372.6	469.9	568.5	674.3	790.3	904.8	1018.1	1126.2	1226.7
50°	246.1	348.1	452.5	559.7	674.3	801.4	928.1	1053.5	1171.8	1284.2	1396.8
47.5°	307.5	418.9	533.4	652.3	790.3	928.1	1065.4	1194.8	1319.1	1447.4	1571.7
45°	370.1	490.0	611.7	757.1	904.8	1053.5	1194.8	1330.8	1472.9	1601.4	1694.0
42.5°	430.3	559.4	702.2	858.3	1018.1	1171.8	1319.1	1472.9	1610.4	1712.3	1771.5
40°	490.8	626.5	792.2	959.7	1126.2	1284.2	1447.4	1601.4	1712.3	1774.2	1804.9
37.5°	548.8	705.4	879.0	1056.8	1226.7	1396.8	1571.7	1694.0	1771.5	1804.9	1921.2
35°	603.9	780.4	964.3	1147.3	1322.6	1507.9	1657.5	1763.2	1799.3	1910.5	2335.2
32.5°	663.4	851.3	1045.0	1231.5	1419.9	1603.5	1736.6	1788.1	1878.7	2153.4	3266.6
30°	724.0	920.5	1120.0	1310.7	1512.3	1673.1	1771.7	1826.3	1972.5	2988.7	4049.2
27.5°	780.4	985.2	1188.0	1388.9	1593.3	1738.4	1792.4	1908.9	2531.8	3742.3	4734.6
25°	832.5	1045.0	1251.0	1462.8	1649.4	1768.0	1825.9	1985.9	3222.2	4344.0	5025.9
22.5°	881.1	1099.7	1308.7	1530.6	1700.9	1784.5	1891.8	2498.6	3809.6	4884.0	5204.5
20°	925.9	1147.3	1363.2	1588.6	1747.6	1799.4	1951.8	3039.7	4284.2	5036.4	5351.1
17.5°	965.8	1189.7	1413.3	1626.9	1765.2	1830.0	2069.9	3525.8	4711.3	5173.9	5475.4
15°	1000.7	1226.7	1457.2	1660.5	1776.0	1873.5	2464.4	3884.7	4939.3	5289.8	5585.0
12.5°	1030.4	1258.3	1494.6	1689.1	1785.2	1910.8	2802.3	4183.1	5035.8	5377.4	5662.7
10°	1054.8	1284.2	1525.4	1712.7	1792.8	1941.5	3081.8	4430.1	5115.8	5450.3	5727.4
7.5°	1073.9	1304.6	1549.5	1731.2	1798.7	1965.7	3301.1	4624.2	5178.8	5507.7	5778.5
5°	1087.6	1319.1	1566.7	1744.5	1803.0	1983.0	3458.8	4763.8	5224.1	5549.0	5815.3
2.5°	1095.9	1327.9	1577.1	1752.4	1805.5	1993.4	3553.8	4848.1	5251.5	5574.0	5837.6
0°	1098.6	1330.8	1580.6	1755.1	1806.4	1996.9	3585.5	4876.2	5260.6	5582.4	5845.1
-2.5°	1095.9	1327.9	1577.1	1752.4	1805.5	1993.4	3553.8	4848.1	5251.5	5574.0	5837.6
-5°	1087.6	1319.1	1566.7	1744.5	1803.0	1983.0	3458.8	4763.8	5224.1	5549.0	5815.3
-7.5°	1073.9	1304.6	1549.5	1731.2	1798.7	1965.7	3301.1	4624.2	5178.8	5507.7	5778.5
-10°	1054.8	1284.2	1525.4	1712.7	1792.8	1941.5	3081.8	4430.1	5115.8	5450.3	5727.4
-12.5°	1030.4	1258.3	1494.6	1689.1	1785.2	1910.8	2802.3	4183.1	5035.8	5377.4	5662.7
-15°	1000.7	1226.7	1457.2	1660.5	1776.0	1873.5	2464.4	3884.7	4939.3	5289.8	5585.0
-17.5°	965.8	1189.7	1413.3	1626.9	1765.2	1830.0	2069.9	3525.8	4711.3	5173.9	5475.4
-20°	925.9	1147.3	1363.2	1588.6	1747.6	1799.4	1951.8	3039.7	4284.2	5036.4	5351.1



REPORT NUMBER: P1305378 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-2S-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	881.1	1099.7	1308.7	1530.6	1700.9	1784.5	1891.8	2498.6	3809.6	4884.0	5204.5
-25°	832.5	1045.0	1251.0	1462.8	1649.4	1768.0	1825.9	1985.9	3222.2	4344.0	5025.9
-27.5°	780.4	985.2	1188.0	1388.9	1593.3	1738.4	1792.4	1908.9	2531.8	3742.3	4734.6
-30°	724.0	920.5	1120.0	1310.7	1512.3	1673.1	1771.7	1826.3	1972.5	2988.7	4049.2
-32.5°	663.4	851.3	1045.0	1231.5	1419.9	1603.5	1736.6	1788.1	1878.7	2153.4	3266.6
-35°	603.9	780.4	964.3	1147.3	1322.6	1507.9	1657.5	1763.2	1799.3	1910.5	2335.2
-37.5°	548.8	705.4	879.0	1056.8	1226.7	1396.8	1571.7	1694.0	1771.5	1804.9	1921.2
-40°	490.8	626.5	792.2	959.7	1126.2	1284.2	1447.4	1601.4	1712.3	1774.2	1804.9
-42.5°	430.3	559.4	702.2	858.3	1018.1	1171.8	1319.1	1472.9	1610.4	1712.3	1771.5
-45°	370.1	490.0	611.7	757.1	904.8	1053.5	1194.8	1330.8	1472.9	1601.4	1694.0
-47.5°	307.5	418.9	533.4	652.3	790.3	928.1	1065.4	1194.8	1319.1	1447.4	1571.7
-50°	246.1	348.1	452.5	559.7	674.3	801.4	928.1	1053.5	1171.8	1284.2	1396.8
-52.5°	192.5	275.1	372.6	469.9	568.5	674.3	790.3	904.8	1018.1	1126.2	1226.7
-55°	137.3	211.8	291.4	380.8	469.9	559.7	652.3	757.1	858.3	959.7	1056.8
-57.5°	100.2	150.2	218.3	291.4	372.6	452.5	533.4	611.7	702.2	792.2	879.0
-60°	73.5	103.2	150.2	211.8	275.1	348.1	418.9	490.0	559.4	626.5	705.4
-62.5°	49.7	73.5	100.2	137.3	192.5	246.1	307.5	370.1	430.3	490.8	548.8
-65°	41.6	48.9	67.6	91.4	114.5	160.4	207.5	253.0	306.0	358.2	408.0
-67.5°	33.4	39.9	46.3	55.9	76.7	96.9	116.5	156.8	196.0	233.6	271.8
-70°	27.9	31.3	36.5	42.1	47.5	56.5	73.8	90.5	106.5	127.7	159.3
-72.5°	23.0	25.9	28.9	31.7	36.2	40.8	45.2	49.5	59.3	72.7	85.4
-75°	19.2	20.6	23.0	25.4	27.8	30.1	32.5	36.2	39.7	43.0	46.2
-77.5°	16.3	17.5	18.7	19.9	21.1	23.0	24.9	26.6	28.3	30.0	31.5
-80°	13.6	14.4	15.3	16.2	17.1	18.0	18.8	19.7	20.4	21.4	22.7
-82.5°	11.4	12.0	12.5	13.0	13.6	14.0	14.6	15.2	15.7	16.3	16.8
-85°	8.9	9.6	10.0	10.3	10.6	11.0	11.3	11.6	11.9	12.2	12.4
-87.5°	4.4	4.8	5.2	5.5	5.8	6.2	6.5	6.8	7.1	7.4	7.6
-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	8.1	8.3	8.5	8.7	8.9	9.0	9.2	9.3	9.4	9.5
85°	12.7	12.9	13.1	13.3	13.5	13.7	13.8	14.0	14.1	14.2	14.3
82.5°	17.3	17.8	18.2	18.6	19.0	19.3	19.6	19.9	20.1	20.3	20.5
80°	23.8	24.9	25.9	26.9	27.8	28.6	29.3	29.9	30.5	30.9	31.3
77.5°	33.6	36.0	38.2	40.2	42.1	43.8	45.3	46.7	47.9	48.9	49.7
75°	49.2	54.0	63.1	71.5	79.2	86.3	92.6	98.3	103.2	107.3	110.8
72.5°	97.5	108.8	122.3	143.7	163.4	181.3	197.5	211.8	224.4	235.0	243.8
70°	189.3	217.5	244.0	270.8	299.1	324.9	348.1	368.8	386.8	402.1	414.7
67.5°	314.1	353.9	391.3	426.0	459.2	490.0	517.8	542.5	564.1	582.4	597.5
65°	456.3	503.2	547.3	588.2	626.5	669.3	708.0	742.4	772.5	798.0	819.1
62.5°	603.9	663.4	724.0	780.4	832.5	881.1	925.9	965.8	1000.7	1030.4	1054.8
60°	780.4	851.3	920.5	985.2	1045.0	1099.7	1147.3	1189.7	1226.7	1258.3	1284.2
57.5°	964.3	1045.0	1120.0	1188.0	1251.0	1308.7	1363.2	1413.3	1457.2	1494.6	1525.4
55°	1147.3	1231.5	1310.7	1388.9	1462.8	1530.6	1588.6	1626.9	1660.5	1689.1	1712.7
52.5°	1322.6	1419.9	1512.3	1593.3	1649.4	1700.9	1747.6	1765.2	1776.0	1785.2	1792.8
50°	1507.9	1603.5	1673.1	1738.4	1768.0	1784.5	1799.4	1830.0	1873.5	1910.8	1941.5
47.5°	1657.5	1736.6	1771.7	1792.4	1825.9	1891.8	1951.8	2069.9	2464.4	2802.3	3081.8
45°	1763.2	1788.1	1826.3	1908.9	1985.9	2498.6	3039.7	3525.8	3884.7	4183.1	4430.1
42.5°	1799.3	1878.7	1972.5	2531.8	3222.2	3809.6	4284.2	4711.3	4939.3	5035.8	5115.8
40°	1910.5	2153.4	2988.7	3742.3	4344.0	4884.0	5036.4	5173.9	5289.8	5377.4	5450.3
37.5°	2335.2	3266.6	4049.2	4734.6	5025.9	5204.5	5351.1	5475.4	5585.0	5662.7	5727.4
35°	3360.0	4204.4	4904.9	5122.5	5316.8	5477.2	5617.2	5726.8	5824.2	5857.9	5872.0
32.5°	4204.4	4928.7	5171.4	5379.8	5563.2	5707.1	5837.0	5867.2	5888.5	5896.8	5894.9
30°	4904.9	5171.4	5401.0	5602.4	5762.1	5858.6	5886.7	5896.1	5893.4	5883.0	5852.8
27.5°	5122.5	5379.8	5602.4	5780.6	5866.3	5897.8	5894.2	5881.1	5836.4	5797.2	5928.3
25°	5316.8	5563.2	5762.1	5866.3	5897.3	5893.1	5857.8	5804.2	5961.9	6132.7	7344.3
22.5°	5477.2	5707.1	5858.6	5897.8	5893.1	5849.9	5834.0	6064.6	7314.4	9412.0	13161.7
20°	5617.2	5837.0	5886.7	5894.2	5857.8	5834.0	6099.4	8135.7	11455.3	19276.2	26860.9
17.5°	5726.8	5867.2	5896.1	5881.1	5804.2	6064.6	8135.7	12950.2	22446.2	35028.6	47260.3
15°	5824.2	5888.5	5893.4	5836.4	5961.9	7314.4	11455.3	22446.2	37830.1	56970.6	80272.1
12.5°	5857.9	5896.8	5883.0	5797.2	6132.7	9412.0	19276.2	35028.6	56970.6	85931.6	121395.3
10°	5872.0	5894.9	5852.8	5928.3	7344.3	13161.7	26860.9	47260.3	80272.1	121395.3	165790.2
7.5°	5883.2	5893.4	5828.7	6033.7	8651.3	18091.7	35824.8	63950.9	104446.5	154248.8	213176.5
5°	5891.3	5892.4	5811.2	6110.7	9609.3	21726.2	42484.5	76864.3	125001.7	184483.3	253204.3
2.5°	5896.3	5891.7	5800.6	6157.6	10194.5	23956.0	46593.9	84898.1	137943.8	205136.9	279303.8
0°	5897.9	5891.5	5797.0	6173.3	10391.4	24707.8	47983.9	87627.8	142371.2	212484.7	288456.0
-2.5°	5896.3	5891.7	5800.6	6157.6	10194.5	23956.0	46593.9	84898.1	137943.8	205136.9	279303.8
-5°	5891.3	5892.4	5811.2	6110.7	9609.3	21726.2	42484.5	76864.3	125001.7	184483.3	253204.3
-7.5°	5883.2	5893.4	5828.7	6033.7	8651.3	18091.7	35824.8	63950.9	104446.5	154248.8	213176.5
-10°	5872.0	5894.9	5852.8	5928.3	7344.3	13161.7	26860.9	47260.3	80272.1	121395.3	165790.2
-12.5°	5857.9	5896.8	5883.0	5797.2	6132.7	9412.0	19276.2	35028.6	56970.6	85931.6	121395.3
-15°	5824.2	5888.5	5893.4	5836.4	5961.9	7314.4	11455.3	22446.2	37830.1	56970.6	80272.1
-17.5°	5726.8	5867.2	5896.1	5881.1	5804.2	6064.6	8135.7	12950.2	22446.2	35028.6	47260.3
-20°	5617.2	5837.0	5886.7	5894.2	5857.8	5834.0	6099.4	8135.7	11455.3	19276.2	26860.9



REPORT NUMBER: P1305378 (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°	5477.2	5707.1	5858.6	5897.8	5893.1	5849.9	5834.0	6064.6	7314.4	9412.0	13161.7
-25°	5316.8	5563.2	5762.1	5866.3	5897.3	5893.1	5857.8	5804.2	5961.9	6132.7	7344.3
-27.5°	5122.5	5379.8	5602.4	5780.6	5866.3	5897.8	5894.2	5881.1	5836.4	5797.2	5928.3
-30°	4904.9	5171.4	5401.0	5602.4	5762.1	5858.6	5886.7	5896.1	5893.4	5883.0	5852.8
-32.5°	4204.4	4928.7	5171.4	5379.8	5563.2	5707.1	5837.0	5867.2	5888.5	5896.8	5894.9
-35°	3360.0	4204.4	4904.9	5122.5	5316.8	5477.2	5617.2	5726.8	5824.2	5857.9	5872.0
-37.5°	2335.2	3266.6	4049.2	4734.6	5025.9	5204.5	5351.1	5475.4	5585.0	5662.7	5727.4
-40°	1910.5	2153.4	2988.7	3742.3	4344.0	4884.0	5036.4	5173.9	5289.8	5377.4	5450.3
-42.5°	1799.3	1878.7	1972.5	2531.8	3222.2	3809.6	4284.2	4711.3	4939.3	5035.8	5115.8
-45°	1763.2	1788.1	1826.3	1908.9	1985.9	2498.6	3039.7	3525.8	3884.7	4183.1	4430.1
-47.5°	1657.5	1736.6	1771.7	1792.4	1825.9	1891.8	1951.8	2069.9	2464.4	2802.3	3081.8
-50°	1507.9	1603.5	1673.1	1738.4	1768.0	1784.5	1799.4	1830.0	1873.5	1910.8	1941.5
-52.5°	1322.6	1419.9	1512.3	1593.3	1649.4	1700.9	1747.6	1765.2	1776.0	1785.2	1792.8
-55°	1147.3	1231.5	1310.7	1388.9	1462.8	1530.6	1588.6	1626.9	1660.5	1689.1	1712.7
-57.5°	964.3	1045.0	1120.0	1188.0	1251.0	1308.7	1363.2	1413.3	1457.2	1494.6	1525.4
-60°	780.4	851.3	920.5	985.2	1045.0	1099.7	1147.3	1189.7	1226.7	1258.3	1284.2
-62.5°	603.9	663.4	724.0	780.4	832.5	881.1	925.9	965.8	1000.7	1030.4	1054.8
-65°	456.3	503.2	547.3	588.2	626.5	669.3	708.0	742.4	772.5	798.0	819.1
-67.5°	314.1	353.9	391.3	426.0	459.2	490.0	517.8	542.5	564.1	582.4	597.5
-70°	189.3	217.5	244.0	270.8	299.1	324.9	348.1	368.8	386.8	402.1	414.7
-72.5°	97.5	108.8	122.3	143.7	163.4	181.3	197.5	211.8	224.4	235.0	243.8
-75°	49.2	54.0	63.1	71.5	79.2	86.3	92.6	98.3	103.2	107.3	110.8
-77.5°	33.6	36.0	38.2	40.2	42.1	43.8	45.3	46.7	47.9	48.9	49.7
-80°	23.8	24.9	25.9	26.9	27.8	28.6	29.3	29.9	30.5	30.9	31.3
-82.5°	17.3	17.8	18.2	18.6	19.0	19.3	19.6	19.9	20.1	20.3	20.5
-85°	12.7	12.9	13.1	13.3	13.5	13.7	13.8	14.0	14.1	14.2	14.3
-87.5°	7.9	8.1	8.3	8.5	8.7	8.9	9.0	9.2	9.3	9.4	9.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305378 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-2S-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°	9.5	9.6	9.6	9.6	9.6	9.6	9.5	9.5	9.4	9.3	9.2
85°	14.3	14.4	14.4	14.4	14.4	14.4	14.3	14.3	14.2	14.1	14.0
82.5°	20.6	20.7	20.8	20.8	20.8	20.7	20.6	20.5	20.3	20.1	19.9
80°	31.6	31.8	32.0	32.0	32.0	31.8	31.6	31.3	30.9	30.5	29.9
77.5°	50.4	50.8	51.1	51.2	51.1	50.8	50.4	49.7	48.9	47.9	46.7
75°	113.4	115.4	116.5	116.9	116.5	115.4	113.4	110.8	107.3	103.2	98.3
72.5°	250.6	255.5	258.4	259.4	258.4	255.5	250.6	243.8	235.0	224.4	211.8
70°	424.5	431.6	435.8	437.2	435.8	431.6	424.5	414.7	402.1	386.8	368.8
67.5°	609.3	617.7	622.8	624.5	622.8	617.7	609.3	597.5	582.4	564.1	542.5
65°	835.5	847.3	854.3	856.7	854.3	847.3	835.5	819.1	798.0	772.5	742.4
62.5°	1073.9	1087.6	1095.9	1098.6	1095.9	1087.6	1073.9	1054.8	1030.4	1000.7	965.8
60°	1304.6	1319.1	1327.9	1330.8	1327.9	1319.1	1304.6	1284.2	1258.3	1226.7	1189.7
57.5°	1549.5	1566.7	1577.1	1580.6	1577.1	1566.7	1549.5	1525.4	1494.6	1457.2	1413.3
55°	1731.2	1744.5	1752.4	1755.1	1752.4	1744.5	1731.2	1712.7	1689.1	1660.5	1626.9
52.5°	1798.7	1803.0	1805.5	1806.4	1805.5	1803.0	1798.7	1792.8	1785.2	1776.0	1765.2
50°	1965.7	1983.0	1993.4	1996.9	1993.4	1983.0	1965.7	1941.5	1910.8	1873.5	1830.0
47.5°	3301.1	3458.8	3553.8	3585.5	3553.8	3458.8	3301.1	3081.8	2802.3	2464.4	2069.9
45°	4624.2	4763.8	4848.1	4876.2	4848.1	4763.8	4624.2	4430.1	4183.1	3884.7	3525.8
42.5°	5178.8	5224.1	5251.5	5260.6	5251.5	5224.1	5178.8	5115.8	5035.8	4939.3	4711.3
40°	5507.7	5549.0	5574.0	5582.4	5574.0	5549.0	5507.7	5450.3	5377.4	5289.8	5173.9
37.5°	5778.5	5815.3	5837.6	5845.1	5837.6	5815.3	5778.5	5727.4	5662.7	5585.0	5475.4
35°	5883.2	5891.3	5896.3	5897.9	5896.3	5891.3	5883.2	5872.0	5857.9	5824.2	5726.8
32.5°	5893.4	5892.4	5891.7	5891.5	5891.7	5892.4	5893.4	5894.9	5896.8	5888.5	5867.2
30°	5828.7	5811.2	5800.6	5797.0	5800.6	5811.2	5828.7	5852.8	5883.0	5893.4	5896.1
27.5°	6033.7	6110.7	6157.6	6173.3	6157.6	6110.7	6033.7	5928.3	5797.2	5836.4	5881.1
25°	8651.3	9609.3	10194.5	10391.4	10194.5	9609.3	8651.3	7344.3	6132.7	5961.9	5804.2
22.5°	18091.7	21726.2	23956.0	24707.8	23956.0	21726.2	18091.7	13161.7	9412.0	7314.4	6064.6
20°	35824.8	42484.5	46593.9	47983.9	46593.9	42484.5	35824.8	26860.9	19276.2	11455.3	8135.7
17.5°	63950.9	76864.3	84898.1	87627.8	84898.1	76864.3	63950.9	47260.3	35028.6	22446.2	12950.2
15°	104446.5	125001.7	137943.8	142371.2	137943.8	125001.7	104446.5	80272.1	56970.6	37830.1	22446.2
12.5°	154248.8	184483.3	205136.9	212484.7	205136.9	184483.3	154248.8	121395.3	85931.6	56970.6	35028.6
10°	213176.5	253204.3	279303.8	288456.0	279303.8	253204.3	213176.5	165790.2	121395.3	80272.1	47260.3
7.5°	270690.7	318212.9	353266.1	365952.6	353266.1	318212.9	270690.7	213176.5	154248.8	104446.5	63950.9
5°	318212.9	379582.3	417211.1	429105.7	417211.1	379582.3	318212.9	253204.3	184483.3	125001.7	76864.3
2.5°	353266.1	417211.1	457887.3	478978.5	457887.3	417211.1	353266.1	279303.8	205136.9	137943.8	84898.1
0°	365952.6	429105.7	478978.5	514778.2	478978.5	429105.7	365952.6	288456.0	212484.7	142371.2	87627.8
-2.5°	353266.1	417211.1	457887.3	478978.5	457887.3	417211.1	353266.1	279303.8	205136.9	137943.8	84898.1
-5°	318212.9	379582.3	417211.1	429105.7	417211.1	379582.3	318212.9	253204.3	184483.3	125001.7	76864.3
-7.5°	270690.7	318212.9	353266.1	365952.6	353266.1	318212.9	270690.7	213176.5	154248.8	104446.5	63950.9
-10°	213176.5	253204.3	279303.8	288456.0	279303.8	253204.3	213176.5	165790.2	121395.3	80272.1	47260.3
-12.5°	154248.8	184483.3	205136.9	212484.7	205136.9	184483.3	154248.8	121395.3	85931.6	56970.6	35028.6
-15°	104446.5	125001.7	137943.8	142371.2	137943.8	125001.7	104446.5	80272.1	56970.6	37830.1	22446.2
-17.5°	63950.9	76864.3	84898.1	87627.8	84898.1	76864.3	63950.9	47260.3	35028.6	22446.2	12950.2
-20°	35824.8	42484.5	46593.9	47983.9	46593.9	42484.5	35824.8	26860.9	19276.2	11455.3	8135.7



REPORT NUMBER: P1305378 (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°	18091.7	21726.2	23956.0	24707.8	23956.0	21726.2	18091.7	13161.7	9412.0	7314.4	6064.6
-25°	8651.3	9609.3	10194.5	10391.4	10194.5	9609.3	8651.3	7344.3	6132.7	5961.9	5804.2
-27.5°	6033.7	6110.7	6157.6	6173.3	6157.6	6110.7	6033.7	5928.3	5797.2	5836.4	5881.1
-30°	5828.7	5811.2	5800.6	5797.0	5800.6	5811.2	5828.7	5852.8	5883.0	5893.4	5896.1
-32.5°	5893.4	5892.4	5891.7	5891.5	5891.7	5892.4	5893.4	5894.9	5896.8	5888.5	5867.2
-35°	5883.2	5891.3	5896.3	5897.9	5896.3	5891.3	5883.2	5872.0	5857.9	5824.2	5726.8
-37.5°	5778.5	5815.3	5837.6	5845.1	5837.6	5815.3	5778.5	5727.4	5662.7	5585.0	5475.4
-40°	5507.7	5549.0	5574.0	5582.4	5574.0	5549.0	5507.7	5450.3	5377.4	5289.8	5173.9
-42.5°	5178.8	5224.1	5251.5	5260.6	5251.5	5224.1	5178.8	5115.8	5035.8	4939.3	4711.3
-45°	4624.2	4763.8	4848.1	4876.2	4848.1	4763.8	4624.2	4430.1	4183.1	3884.7	3525.8
-47.5°	3301.1	3458.8	3553.8	3585.5	3553.8	3458.8	3301.1	3081.8	2802.3	2464.4	2069.9
-50°	1965.7	1983.0	1993.4	1996.9	1993.4	1983.0	1965.7	1941.5	1910.8	1873.5	1830.0
-52.5°	1798.7	1803.0	1805.5	1806.4	1805.5	1803.0	1798.7	1792.8	1785.2	1776.0	1765.2
-55°	1731.2	1744.5	1752.4	1755.1	1752.4	1744.5	1731.2	1712.7	1689.1	1660.5	1626.9
-57.5°	1549.5	1566.7	1577.1	1580.6	1577.1	1566.7	1549.5	1525.4	1494.6	1457.2	1413.3
-60°	1304.6	1319.1	1327.9	1330.8	1327.9	1319.1	1304.6	1284.2	1258.3	1226.7	1189.7
-62.5°	1073.9	1087.6	1095.9	1098.6	1095.9	1087.6	1073.9	1054.8	1030.4	1000.7	965.8
-65°	835.5	847.3	854.3	856.7	854.3	847.3	835.5	819.1	798.0	772.5	742.4
-67.5°	609.3	617.7	622.8	624.5	622.8	617.7	609.3	597.5	582.4	564.1	542.5
-70°	424.5	431.6	435.8	437.2	435.8	431.6	424.5	414.7	402.1	386.8	368.8
-72.5°	250.6	255.5	258.4	259.4	258.4	255.5	250.6	243.8	235.0	224.4	211.8
-75°	113.4	115.4	116.5	116.9	116.5	115.4	113.4	110.8	107.3	103.2	98.3
-77.5°	50.4	50.8	51.1	51.2	51.1	50.8	50.4	49.7	48.9	47.9	46.7
-80°	31.6	31.8	32.0	32.0	32.0	31.8	31.6	31.3	30.9	30.5	29.9
-82.5°	20.6	20.7	20.8	20.8	20.8	20.7	20.6	20.5	20.3	20.1	19.9
-85°	14.3	14.4	14.4	14.4	14.4	14.4	14.3	14.3	14.2	14.1	14.0
-87.5°	9.5	9.6	9.6	9.6	9.6	9.6	9.5	9.5	9.4	9.3	9.2
-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°	9.0	8.9	8.7	8.5	8.3	8.1	7.9	7.6	7.4	7.1	6.8
85°	13.8	13.7	13.5	13.3	13.1	12.9	12.7	12.4	12.2	11.9	11.6
82.5°	19.6	19.3	19.0	18.6	18.2	17.8	17.3	16.8	16.3	15.7	15.2
80°	29.3	28.6	27.8	26.9	25.9	24.9	23.8	22.7	21.4	20.4	19.7
77.5°	45.3	43.8	42.1	40.2	38.2	36.0	33.6	31.5	30.0	28.3	26.6
75°	92.6	86.3	79.2	71.5	63.1	54.0	49.2	46.2	43.0	39.7	36.2
72.5°	197.5	181.3	163.4	143.7	122.3	108.8	97.5	85.4	72.7	59.3	49.5
70°	348.1	324.9	299.1	270.8	244.0	217.5	189.3	159.3	127.7	106.5	90.5
67.5°	517.8	490.0	459.2	426.0	391.3	353.9	314.1	271.8	233.6	196.0	156.8
65°	708.0	669.3	626.5	588.2	547.3	503.2	456.3	408.0	358.2	306.0	253.0
62.5°	925.9	881.1	832.5	780.4	724.0	663.4	603.9	548.8	490.8	430.3	370.1
60°	1147.3	1099.7	1045.0	985.2	920.5	851.3	780.4	705.4	626.5	559.4	490.0
57.5°	1363.2	1308.7	1251.0	1188.0	1120.0	1045.0	964.3	879.0	792.2	702.2	611.7
55°	1588.6	1530.6	1462.8	1388.9	1310.7	1231.5	1147.3	1056.8	959.7	858.3	757.1
52.5°	1747.6	1700.9	1649.4	1593.3	1512.3	1419.9	1322.6	1226.7	1126.2	1018.1	904.8
50°	1799.4	1784.5	1768.0	1738.4	1673.1	1603.5	1507.9	1396.8	1284.2	1171.8	1053.5
47.5°	1951.8	1891.8	1825.9	1792.4	1771.7	1736.6	1657.5	1571.7	1447.4	1319.1	1194.8
45°	3039.7	2498.6	1985.9	1908.9	1826.3	1788.1	1763.2	1694.0	1601.4	1472.9	1330.8
42.5°	4284.2	3809.6	3222.2	2531.8	1972.5	1878.7	1799.3	1771.5	1712.3	1610.4	1472.9
40°	5036.4	4884.0	4344.0	3742.3	2988.7	2153.4	1910.5	1804.9	1774.2	1712.3	1601.4
37.5°	5351.1	5204.5	5025.9	4734.6	4049.2	3266.6	2335.2	1921.2	1804.9	1771.5	1694.0
35°	5617.2	5477.2	5316.8	5122.5	4904.9	4204.4	3360.0	2335.2	1910.5	1799.3	1763.2
32.5°	5837.0	5707.1	5563.2	5379.8	5171.4	4928.7	4204.4	3266.6	2153.4	1878.7	1788.1
30°	5886.7	5858.6	5762.1	5602.4	5401.0	5171.4	4904.9	4049.2	2988.7	1972.5	1826.3
27.5°	5894.2	5897.8	5866.3	5780.6	5602.4	5379.8	5122.5	4734.6	3742.3	2531.8	1908.9
25°	5857.8	5893.1	5897.3	5866.3	5762.1	5563.2	5316.8	5025.9	4344.0	3222.2	1985.9
22.5°	5834.0	5849.9	5893.1	5897.8	5858.6	5707.1	5477.2	5204.5	4884.0	3809.6	2498.6
20°	6099.4	5834.0	5857.8	5894.2	5886.7	5837.0	5617.2	5351.1	5036.4	4284.2	3039.7
17.5°	8135.7	6064.6	5804.2	5881.1	5896.1	5867.2	5726.8	5475.4	5173.9	4711.3	3525.8
15°	11455.3	7314.4	5961.9	5836.4	5893.4	5888.5	5824.2	5585.0	5289.8	4939.3	3884.7
12.5°	19276.2	9412.0	6132.7	5797.2	5883.0	5896.8	5857.9	5662.7	5377.4	5035.8	4183.1
10°	26860.9	13161.7	7344.3	5928.3	5852.8	5894.9	5872.0	5727.4	5450.3	5115.8	4430.1
7.5°	35824.8	18091.7	8651.3	6033.7	5828.7	5893.4	5883.2	5778.5	5507.7	5178.8	4624.2
5°	42484.5	21726.2	9609.3	6110.7	5811.2	5892.4	5891.3	5815.3	5549.0	5224.1	4763.8
2.5°	46593.9	23956.0	10194.5	6157.6	5800.6	5891.7	5896.3	5837.6	5574.0	5251.5	4848.1
0°	47983.9	24707.8	10391.4	6173.3	5797.0	5891.5	5897.9	5845.1	5582.4	5260.6	4876.2
-2.5°	46593.9	23956.0	10194.5	6157.6	5800.6	5891.7	5896.3	5837.6	5574.0	5251.5	4848.1
-5°	42484.5	21726.2	9609.3	6110.7	5811.2	5892.4	5891.3	5815.3	5549.0	5224.1	4763.8
-7.5°	35824.8	18091.7	8651.3	6033.7	5828.7	5893.4	5883.2	5778.5	5507.7	5178.8	4624.2
-10°	26860.9	13161.7	7344.3	5928.3	5852.8	5894.9	5872.0	5727.4	5450.3	5115.8	4430.1
-12.5°	19276.2	9412.0	6132.7	5797.2	5883.0	5896.8	5857.9	5662.7	5377.4	5035.8	4183.1
-15°	11455.3	7314.4	5961.9	5836.4	5893.4	5888.5	5824.2	5585.0	5289.8	4939.3	3884.7
-17.5°	8135.7	6064.6	5804.2	5881.1	5896.1	5867.2	5726.8	5475.4	5173.9	4711.3	3525.8
-20°	6099.4	5834.0	5857.8	5894.2	5886.7	5837.0	5617.2	5351.1	5036.4	4284.2	3039.7



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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°	5834.0	5849.9	5893.1	5897.8	5858.6	5707.1	5477.2	5204.5	4884.0	3809.6	2498.6
-25°	5857.8	5893.1	5897.3	5866.3	5762.1	5563.2	5316.8	5025.9	4344.0	3222.2	1985.9
-27.5°	5894.2	5897.8	5866.3	5780.6	5602.4	5379.8	5122.5	4734.6	3742.3	2531.8	1908.9
-30°	5886.7	5858.6	5762.1	5602.4	5401.0	5171.4	4904.9	4049.2	2988.7	1972.5	1826.3
-32.5°	5837.0	5707.1	5563.2	5379.8	5171.4	4928.7	4204.4	3266.6	2153.4	1878.7	1788.1
-35°	5617.2	5477.2	5316.8	5122.5	4904.9	4204.4	3360.0	2335.2	1910.5	1799.3	1763.2
-37.5°	5351.1	5204.5	5025.9	4734.6	4049.2	3266.6	2335.2	1921.2	1804.9	1771.5	1694.0
-40°	5036.4	4884.0	4344.0	3742.3	2988.7	2153.4	1910.5	1804.9	1774.2	1712.3	1601.4
-42.5°	4284.2	3809.6	3222.2	2531.8	1972.5	1878.7	1799.3	1771.5	1712.3	1610.4	1472.9
-45°	3039.7	2498.6	1985.9	1908.9	1826.3	1788.1	1763.2	1694.0	1601.4	1472.9	1330.8
-47.5°	1951.8	1891.8	1825.9	1792.4	1771.7	1736.6	1657.5	1571.7	1447.4	1319.1	1194.8
-50°	1799.4	1784.5	1768.0	1738.4	1673.1	1603.5	1507.9	1396.8	1284.2	1171.8	1053.5
-52.5°	1747.6	1700.9	1649.4	1593.3	1512.3	1419.9	1322.6	1226.7	1126.2	1018.1	904.8
-55°	1588.6	1530.6	1462.8	1388.9	1310.7	1231.5	1147.3	1056.8	959.7	858.3	757.1
-57.5°	1363.2	1308.7	1251.0	1188.0	1120.0	1045.0	964.3	879.0	792.2	702.2	611.7
-60°	1147.3	1099.7	1045.0	985.2	920.5	851.3	780.4	705.4	626.5	559.4	490.0
-62.5°	925.9	881.1	832.5	780.4	724.0	663.4	603.9	548.8	490.8	430.3	370.1
-65°	708.0	669.3	626.5	588.2	547.3	503.2	456.3	408.0	358.2	306.0	253.0
-67.5°	517.8	490.0	459.2	426.0	391.3	353.9	314.1	271.8	233.6	196.0	156.8
-70°	348.1	324.9	299.1	270.8	244.0	217.5	189.3	159.3	127.7	106.5	90.5
-72.5°	197.5	181.3	163.4	143.7	122.3	108.8	97.5	85.4	72.7	59.3	49.5
-75°	92.6	86.3	79.2	71.5	63.1	54.0	49.2	46.2	43.0	39.7	36.2
-77.5°	45.3	43.8	42.1	40.2	38.2	36.0	33.6	31.5	30.0	28.3	26.6
-80°	29.3	28.6	27.8	26.9	25.9	24.9	23.8	22.7	21.4	20.4	19.7
-82.5°	19.6	19.3	19.0	18.6	18.2	17.8	17.3	16.8	16.3	15.7	15.2
-85°	13.8	13.7	13.5	13.3	13.1	12.9	12.7	12.4	12.2	11.9	11.6
-87.5°	9.0	8.9	8.7	8.5	8.3	8.1	7.9	7.6	7.4	7.1	6.8
-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: P1305378 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-2S-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°	6.5	6.2	5.8	5.5	5.2	4.8	4.4	4.1	3.7	3.3	2.9
85°	11.3	11.0	10.6	10.3	10.0	9.6	8.9	8.1	7.3	6.6	5.8
82.5°	14.6	14.0	13.6	13.0	12.5	12.0	11.4	10.9	10.3	9.7	8.6
80°	18.8	18.0	17.1	16.2	15.3	14.4	13.6	12.9	12.1	11.3	10.5
77.5°	24.9	23.0	21.1	19.9	18.7	17.5	16.3	15.0	13.9	13.0	12.0
75°	32.5	30.1	27.8	25.4	23.0	20.6	19.2	17.7	16.2	14.6	13.4
72.5°	45.2	40.8	36.2	31.7	28.9	25.9	23.0	20.3	18.5	16.7	14.9
70°	73.8	56.5	47.5	42.1	36.5	31.3	27.9	24.4	20.9	18.8	16.7
67.5°	116.5	96.9	76.7	55.9	46.3	39.9	33.4	28.9	24.9	20.9	18.5
65°	207.5	160.4	114.5	91.4	67.6	48.9	41.6	34.2	28.9	24.4	20.3
62.5°	307.5	246.1	192.5	137.3	100.2	73.5	49.7	41.6	33.4	27.9	23.0
60°	418.9	348.1	275.1	211.8	150.2	103.2	73.5	48.9	39.9	31.3	25.9
57.5°	533.4	452.5	372.6	291.4	218.3	150.2	100.2	67.6	46.3	36.5	28.9
55°	652.3	559.7	469.9	380.8	291.4	211.8	137.3	91.4	55.9	42.1	31.7
52.5°	790.3	674.3	568.5	469.9	372.6	275.1	192.5	114.5	76.7	47.5	36.2
50°	928.1	801.4	674.3	559.7	452.5	348.1	246.1	160.4	96.9	56.5	40.8
47.5°	1065.4	928.1	790.3	652.3	533.4	418.9	307.5	207.5	116.5	73.8	45.2
45°	1194.8	1053.5	904.8	757.1	611.7	490.0	370.1	253.0	156.8	90.5	49.5
42.5°	1319.1	1171.8	1018.1	858.3	702.2	559.4	430.3	306.0	196.0	106.5	59.3
40°	1447.4	1284.2	1126.2	959.7	792.2	626.5	490.8	358.2	233.6	127.7	72.7
37.5°	1571.7	1396.8	1226.7	1056.8	879.0	705.4	548.8	408.0	271.8	159.3	85.4
35°	1657.5	1507.9	1322.6	1147.3	964.3	780.4	603.9	456.3	314.1	189.3	97.5
32.5°	1736.6	1603.5	1419.9	1231.5	1045.0	851.3	663.4	503.2	353.9	217.5	108.8
30°	1771.7	1673.1	1512.3	1310.7	1120.0	920.5	724.0	547.3	391.3	244.0	122.3
27.5°	1792.4	1738.4	1593.3	1388.9	1188.0	985.2	780.4	588.2	426.0	270.8	143.7
25°	1825.9	1768.0	1649.4	1462.8	1251.0	1045.0	832.5	626.5	459.2	299.1	163.4
22.5°	1891.8	1784.5	1700.9	1530.6	1308.7	1099.7	881.1	669.3	490.0	324.9	181.3
20°	1951.8	1799.4	1747.6	1588.6	1363.2	1147.3	925.9	708.0	517.8	348.1	197.5
17.5°	2069.9	1830.0	1765.2	1626.9	1413.3	1189.7	965.8	742.4	542.5	368.8	211.8
15°	2464.4	1873.5	1776.0	1660.5	1457.2	1226.7	1000.7	772.5	564.1	386.8	224.4
12.5°	2802.3	1910.8	1785.2	1689.1	1494.6	1258.3	1030.4	798.0	582.4	402.1	235.0
10°	3081.8	1941.5	1792.8	1712.7	1525.4	1284.2	1054.8	819.1	597.5	414.7	243.8
7.5°	3301.1	1965.7	1798.7	1731.2	1549.5	1304.6	1073.9	835.5	609.3	424.5	250.6
5°	3458.8	1983.0	1803.0	1744.5	1566.7	1319.1	1087.6	847.3	617.7	431.6	255.5
2.5°	3553.8	1993.4	1805.5	1752.4	1577.1	1327.9	1095.9	854.3	622.8	435.8	258.4
0°	3585.5	1996.9	1806.4	1755.1	1580.6	1330.8	1098.6	856.7	624.5	437.2	259.4
-2.5°	3553.8	1993.4	1805.5	1752.4	1577.1	1327.9	1095.9	854.3	622.8	435.8	258.4
-5°	3458.8	1983.0	1803.0	1744.5	1566.7	1319.1	1087.6	847.3	617.7	431.6	255.5
-7.5°	3301.1	1965.7	1798.7	1731.2	1549.5	1304.6	1073.9	835.5	609.3	424.5	250.6
-10°	3081.8	1941.5	1792.8	1712.7	1525.4	1284.2	1054.8	819.1	597.5	414.7	243.8
-12.5°	2802.3	1910.8	1785.2	1689.1	1494.6	1258.3	1030.4	798.0	582.4	402.1	235.0
-15°	2464.4	1873.5	1776.0	1660.5	1457.2	1226.7	1000.7	772.5	564.1	386.8	224.4
-17.5°	2069.9	1830.0	1765.2	1626.9	1413.3	1189.7	965.8	742.4	542.5	368.8	211.8
-20°	1951.8	1799.4	1747.6	1588.6	1363.2	1147.3	925.9	708.0	517.8	348.1	197.5



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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°	1891.8	1784.5	1700.9	1530.6	1308.7	1099.7	881.1	669.3	490.0	324.9	181.3
-25°	1825.9	1768.0	1649.4	1462.8	1251.0	1045.0	832.5	626.5	459.2	299.1	163.4
-27.5°	1792.4	1738.4	1593.3	1388.9	1188.0	985.2	780.4	588.2	426.0	270.8	143.7
-30°	1771.7	1673.1	1512.3	1310.7	1120.0	920.5	724.0	547.3	391.3	244.0	122.3
-32.5°	1736.6	1603.5	1419.9	1231.5	1045.0	851.3	663.4	503.2	353.9	217.5	108.8
-35°	1657.5	1507.9	1322.6	1147.3	964.3	780.4	603.9	456.3	314.1	189.3	97.5
-37.5°	1571.7	1396.8	1226.7	1056.8	879.0	705.4	548.8	408.0	271.8	159.3	85.4
-40°	1447.4	1284.2	1126.2	959.7	792.2	626.5	490.8	358.2	233.6	127.7	72.7
-42.5°	1319.1	1171.8	1018.1	858.3	702.2	559.4	430.3	306.0	196.0	106.5	59.3
-45°	1194.8	1053.5	904.8	757.1	611.7	490.0	370.1	253.0	156.8	90.5	49.5
-47.5°	1065.4	928.1	790.3	652.3	533.4	418.9	307.5	207.5	116.5	73.8	45.2
-50°	928.1	801.4	674.3	559.7	452.5	348.1	246.1	160.4	96.9	56.5	40.8
-52.5°	790.3	674.3	568.5	469.9	372.6	275.1	192.5	114.5	76.7	47.5	36.2
-55°	652.3	559.7	469.9	380.8	291.4	211.8	137.3	91.4	55.9	42.1	31.7
-57.5°	533.4	452.5	372.6	291.4	218.3	150.2	100.2	67.6	46.3	36.5	28.9
-60°	418.9	348.1	275.1	211.8	150.2	103.2	73.5	48.9	39.9	31.3	25.9
-62.5°	307.5	246.1	192.5	137.3	100.2	73.5	49.7	41.6	33.4	27.9	23.0
-65°	207.5	160.4	114.5	91.4	67.6	48.9	41.6	34.2	28.9	24.4	20.3
-67.5°	116.5	96.9	76.7	55.9	46.3	39.9	33.4	28.9	24.9	20.9	18.5
-70°	73.8	56.5	47.5	42.1	36.5	31.3	27.9	24.4	20.9	18.8	16.7
-72.5°	45.2	40.8	36.2	31.7	28.9	25.9	23.0	20.3	18.5	16.7	14.9
-75°	32.5	30.1	27.8	25.4	23.0	20.6	19.2	17.7	16.2	14.6	13.4
-77.5°	24.9	23.0	21.1	19.9	18.7	17.5	16.3	15.0	13.9	13.0	12.0
-80°	18.8	18.0	17.1	16.2	15.3	14.4	13.6	12.9	12.1	11.3	10.5
-82.5°	14.6	14.0	13.6	13.0	12.5	12.0	11.4	10.9	10.3	9.7	8.6
-85°	11.3	11.0	10.6	10.3	10.0	9.6	8.9	8.1	7.3	6.6	5.8
-87.5°	6.5	6.2	5.8	5.5	5.2	4.8	4.4	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	3.3	2.5	1.7	0.8	0.0
82.5°	7.4	6.2	5.0	3.7	2.5	1.3	0.0
80°	9.7	8.3	6.6	5.0	3.3	1.7	0.0
77.5°	11.0	10.0	8.3	6.2	4.2	2.1	0.0
75°	12.2	11.0	9.7	7.4	5.0	2.5	0.0
72.5°	13.4	12.0	10.5	8.6	5.8	2.9	0.0
70°	14.6	13.0	11.3	9.7	6.6	3.3	0.0
67.5°	16.2	13.9	12.1	10.3	7.3	3.7	0.0
65°	17.7	15.0	12.9	10.9	8.1	4.1	0.0
62.5°	19.2	16.3	13.6	11.4	8.9	4.4	0.0
60°	20.6	17.5	14.4	12.0	9.6	4.8	0.0
57.5°	23.0	18.7	15.3	12.5	10.0	5.2	0.0
55°	25.4	19.9	16.2	13.0	10.3	5.5	0.0
52.5°	27.8	21.1	17.1	13.6	10.6	5.8	0.0
50°	30.1	23.0	18.0	14.0	11.0	6.2	0.0
47.5°	32.5	24.9	18.8	14.6	11.3	6.5	0.0
45°	36.2	26.6	19.7	15.2	11.6	6.8	0.0
42.5°	39.7	28.3	20.4	15.7	11.9	7.1	0.0
40°	43.0	30.0	21.4	16.3	12.2	7.4	0.0
37.5°	46.2	31.5	22.7	16.8	12.4	7.6	0.0
35°	49.2	33.6	23.8	17.3	12.7	7.9	0.0
32.5°	54.0	36.0	24.9	17.8	12.9	8.1	0.0
30°	63.1	38.2	25.9	18.2	13.1	8.3	0.0
27.5°	71.5	40.2	26.9	18.6	13.3	8.5	0.0
25°	79.2	42.1	27.8	19.0	13.5	8.7	0.0
22.5°	86.3	43.8	28.6	19.3	13.7	8.9	0.0
20°	92.6	45.3	29.3	19.6	13.8	9.0	0.0
17.5°	98.3	46.7	29.9	19.9	14.0	9.2	0.0
15°	103.2	47.9	30.5	20.1	14.1	9.3	0.0
12.5°	107.3	48.9	30.9	20.3	14.2	9.4	0.0
10°	110.8	49.7	31.3	20.5	14.3	9.5	0.0
7.5°	113.4	50.4	31.6	20.6	14.3	9.5	0.0
5°	115.4	50.8	31.8	20.7	14.4	9.6	0.0
2.5°	116.5	51.1	32.0	20.8	14.4	9.6	0.0
0°	116.9	51.2	32.0	20.8	14.4	9.6	0.0
-2.5°	116.5	51.1	32.0	20.8	14.4	9.6	0.0
-5°	115.4	50.8	31.8	20.7	14.4	9.6	0.0
-7.5°	113.4	50.4	31.6	20.6	14.3	9.5	0.0
-10°	110.8	49.7	31.3	20.5	14.3	9.5	0.0
-12.5°	107.3	48.9	30.9	20.3	14.2	9.4	0.0
-15°	103.2	47.9	30.5	20.1	14.1	9.3	0.0
-17.5°	98.3	46.7	29.9	19.9	14.0	9.2	0.0
-20°	92.6	45.3	29.3	19.6	13.8	9.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	86.3	43.8	28.6	19.3	13.7	8.9	0.0
-25°	79.2	42.1	27.8	19.0	13.5	8.7	0.0
-27.5°	71.5	40.2	26.9	18.6	13.3	8.5	0.0
-30°	63.1	38.2	25.9	18.2	13.1	8.3	0.0
-32.5°	54.0	36.0	24.9	17.8	12.9	8.1	0.0
-35°	49.2	33.6	23.8	17.3	12.7	7.9	0.0
-37.5°	46.2	31.5	22.7	16.8	12.4	7.6	0.0
-40°	43.0	30.0	21.4	16.3	12.2	7.4	0.0
-42.5°	39.7	28.3	20.4	15.7	11.9	7.1	0.0
-45°	36.2	26.6	19.7	15.2	11.6	6.8	0.0
-47.5°	32.5	24.9	18.8	14.6	11.3	6.5	0.0
-50°	30.1	23.0	18.0	14.0	11.0	6.2	0.0
-52.5°	27.8	21.1	17.1	13.6	10.6	5.8	0.0
-55°	25.4	19.9	16.2	13.0	10.3	5.5	0.0
-57.5°	23.0	18.7	15.3	12.5	10.0	5.2	0.0
-60°	20.6	17.5	14.4	12.0	9.6	4.8	0.0
-62.5°	19.2	16.3	13.6	11.4	8.9	4.4	0.0
-65°	17.7	15.0	12.9	10.9	8.1	4.1	0.0
-67.5°	16.2	13.9	12.1	10.3	7.3	3.7	0.0
-70°	14.6	13.0	11.3	9.7	6.6	3.3	0.0
-72.5°	13.4	12.0	10.5	8.6	5.8	2.9	0.0
-75°	12.2	11.0	9.7	7.4	5.0	2.5	0.0
-77.5°	11.0	10.0	8.3	6.2	4.2	2.1	0.0
-80°	9.7	8.3	6.6	5.0	3.3	1.7	0.0
-82.5°	7.4	6.2	5.0	3.7	2.5	1.3	0.0
-85°	5.0	4.2	3.3	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)