

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: P1305379 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-40-70-3S-HEG-A**

Issue Date: 2/3/2026

Test Information

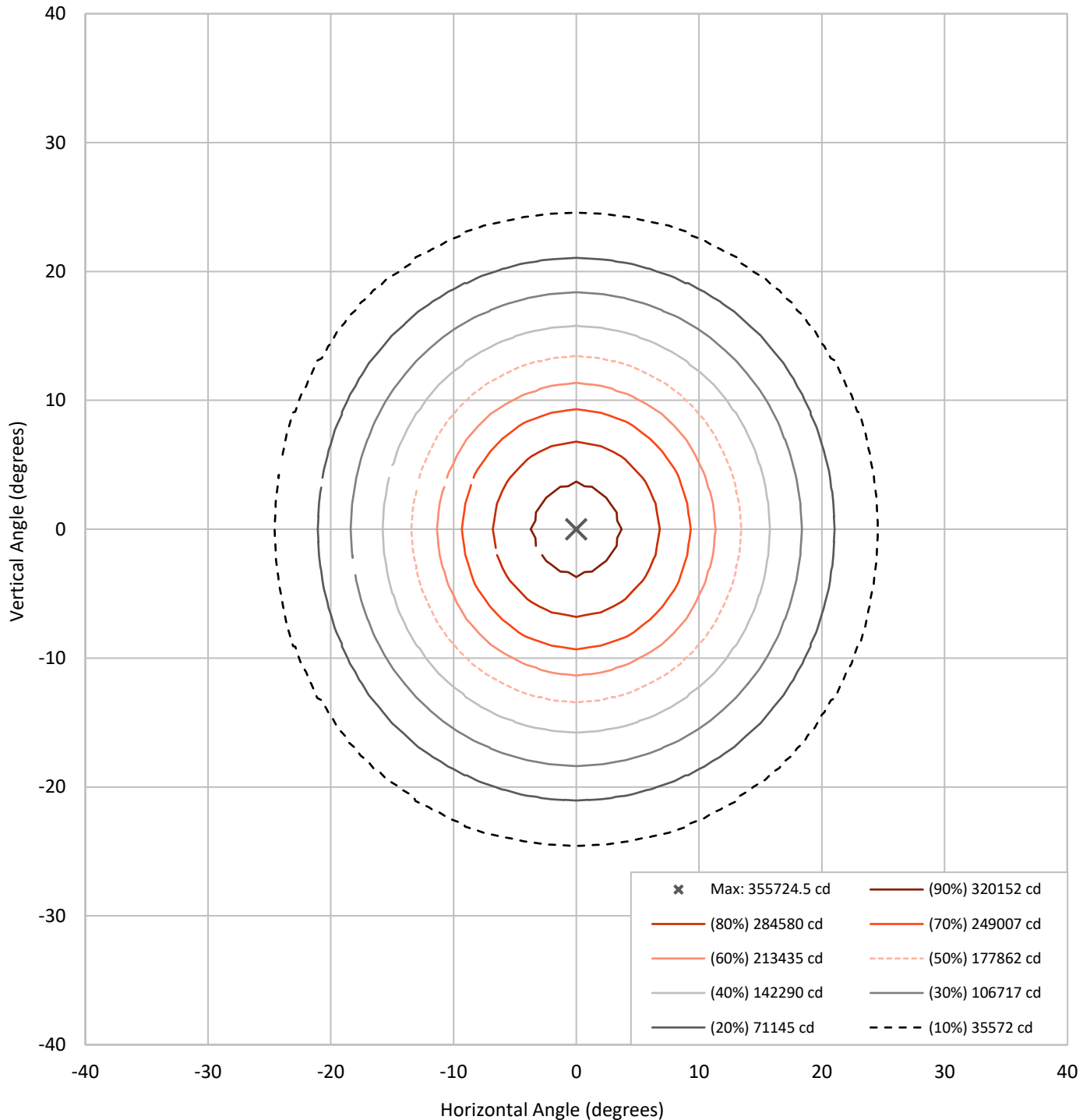
Test Method: LM-79-08
Report Number: P1305379 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-3)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-08-640L-40-70-3S-HEG-A
Description: EPHESUS LUMASPORT 8 LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 3S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	96076.4 lumens	Max Intensity:	355724.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	148.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	26.9°H x 26.9°V	Field Angle (10%):	48.9°H x 48.9°V
Beam Lumens:	41657.3 lumens	Field Lumens:	79752.9 lumens
Beam Efficiency:	43.4%	Field Efficiency:	83.0%
Input Watts (W):	648		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





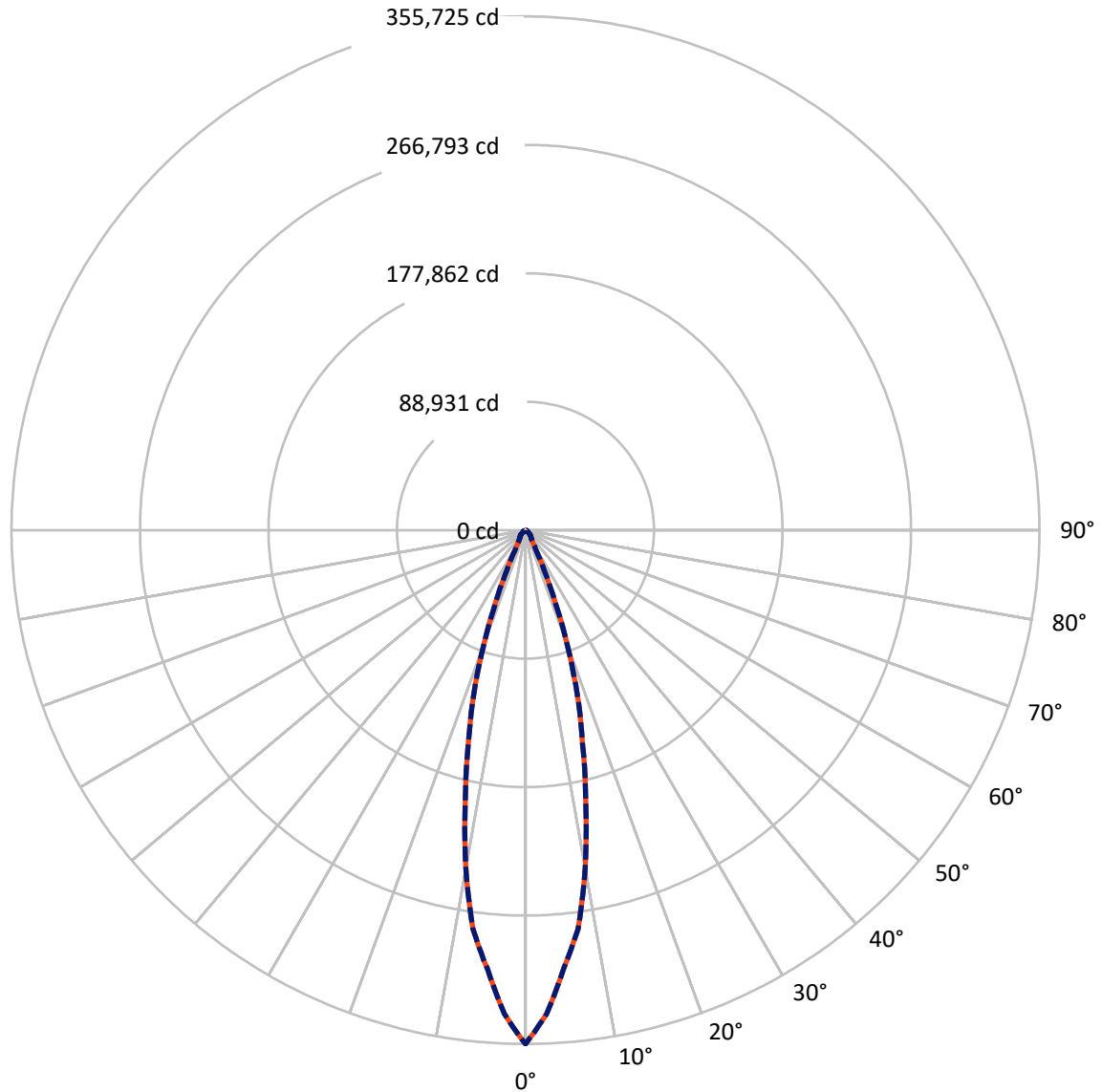
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Lumen Table

90	0.1	0.8	3.3	8.7	11.6	8.7	3.3	0.8	0.1							
80	0.1	0.8	3.3	8.7	11.6	8.7	3.3	0.8	0.1							
70	0.4	0.5	2.1	6.4	12.5	19.0	24.4	27.3	27.3	24.4	19.0	12.5	6.4	2.1	0.5	0.4
60		1.6	7.4	17.5	30.0	42.9	53.2	58.7	58.7	53.2	42.9	30.0	17.5	7.4	1.6	
50	1.1	3.9	14.3	30.4	50.3	79.2	113.4	133.1	133.1	113.4	79.2	50.3	30.4	14.3	3.9	1.1
40		6.7	21.2	43.5	88.8	146.3	188.1	221.0	221.0	188.1	146.3	88.8	43.5	21.2	6.7	
30	2.6	9.2	27.4	62.3	132.4	209.6	484.7	996.9	996.9	484.7	209.6	132.4	62.3	27.4	9.2	2.6
20		11.0	31.9	83.9	160.1	457.5	2120.4	4246.2	4246.2	2120.4	457.5	160.1	83.9	31.9	11.0	
10	3.2	11.9	34.2	95.4	182.7	917.6	4130.0	8145.3	8145.3	4130.0	917.6	182.7	95.4	34.2	11.9	3.2
0		11.9	34.2	95.4	182.7	917.6	4130.0	8145.3	8145.3	4130.0	917.6	182.7	95.4	34.2	11.9	
-10	2.6	11.0	31.9	83.9	160.1	457.5	2120.4	4246.2	4246.2	2120.4	457.5	160.1	83.9	31.9	11.0	2.6
-20		9.2	27.4	62.3	132.4	209.6	484.7	996.9	996.9	484.7	209.6	132.4	62.3	27.4	9.2	
-30	1.1	6.7	21.2	43.5	88.8	146.3	188.1	221.0	221.0	188.1	146.3	88.8	43.5	21.2	6.7	1.1
-40		3.9	14.3	30.4	50.3	79.2	113.4	133.1	133.1	113.4	79.2	50.3	30.4	14.3	3.9	
-50	0.4	1.6	7.4	17.5	30.0	42.9	53.2	58.7	58.7	53.2	42.9	30.0	17.5	7.4	1.6	0.4
-60		0.5	2.1	6.4	12.5	19.0	24.4	27.3	27.3	24.4	19.0	12.5	6.4	2.1	0.5	
-70	0.1	0.8	3.3	8.7	11.6	8.7	3.3	0.8	0.1							
-80		0.1	0.8	3.3	8.7	11.6	8.7	3.3	0.8	0.1						
-90	0.1	0.8	3.3	8.7	11.6	8.7	3.3	0.8	0.1							

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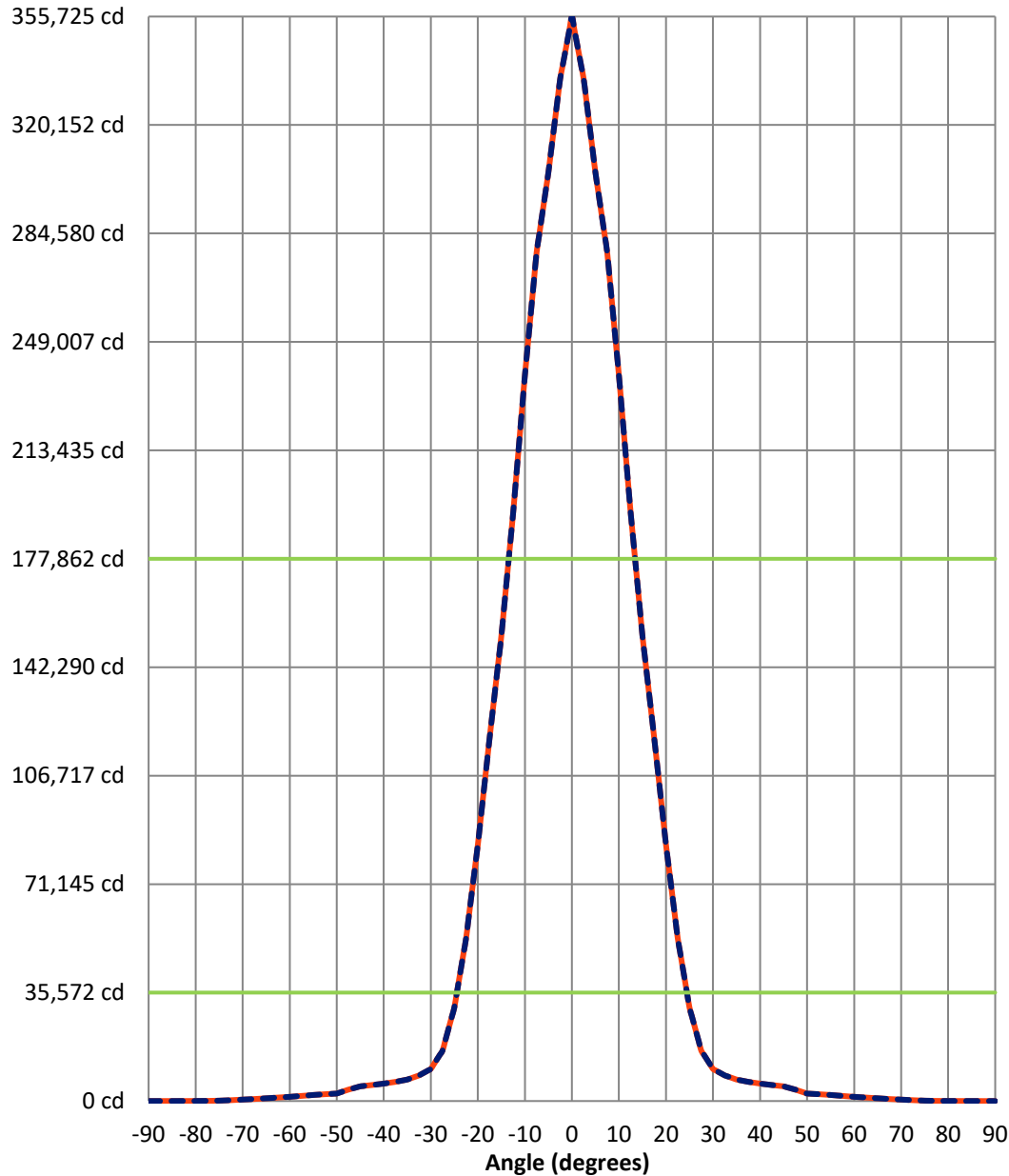
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 26.9°
V Angle: 26.9°
Lumens: 41657.3
Efficiency: 43.4%

Field:
H Angle: 48.9°
V Angle: 48.9°
Lumens: 79752.9
Efficiency: 83.0%

Spill:
Lumens: 16323.5
Efficiency: 17.0%

— Vertical Distribution through 0-Deg
- - Horizontal Distribution through 0-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.3	0.6	0.8	1.1	1.4	1.7	2.0	2.2	2.5	2.7
85°	0.0	0.6	1.1	1.7	2.3	2.8	3.4	3.9	4.4	5.0	5.5
82.5°	0.0	0.8	1.7	2.5	3.4	4.2	5.0	5.8	6.6	7.2	7.8
80°	0.0	1.1	2.3	3.4	4.5	5.6	6.6	7.4	8.2	9.0	9.8
77.5°	0.0	1.4	2.8	4.2	5.6	6.9	7.9	8.9	9.9	10.8	12.1
75°	0.0	1.7	3.4	5.0	6.6	7.9	9.1	10.3	11.6	13.5	15.4
72.5°	0.0	2.0	3.9	5.8	7.4	8.9	10.3	11.9	14.2	16.5	18.8
70°	0.0	2.2	4.4	6.6	8.2	9.9	11.6	14.2	16.9	19.5	23.1
67.5°	0.0	2.5	5.0	7.2	9.0	10.8	13.5	16.5	19.5	23.6	27.6
65°	0.0	2.7	5.5	7.8	9.8	12.1	15.4	18.8	23.1	27.6	33.3
62.5°	0.0	3.0	6.0	8.3	10.5	13.7	17.3	21.6	26.6	32.3	42.0
60°	0.0	3.2	6.5	8.9	11.3	15.2	19.2	24.6	30.0	40.0	50.6
57.5°	0.0	3.5	6.9	9.4	12.4	16.7	21.6	27.5	36.0	47.6	72.7
55°	0.0	3.7	7.2	9.9	13.6	18.2	24.1	30.4	42.6	58.9	100.7
52.5°	0.0	4.0	7.5	10.5	14.8	19.7	26.5	35.7	48.9	83.5	128.1
50°	0.0	4.2	7.9	10.9	15.9	21.6	28.8	41.0	59.5	107.3	177.8
47.5°	0.0	4.4	8.2	11.5	16.9	23.5	31.3	46.3	80.0	130.4	228.6
45°	0.0	4.6	8.5	12.3	18.0	25.3	35.6	51.3	99.7	173.9	277.6
42.5°	0.0	4.8	8.8	13.0	18.9	27.0	39.7	62.9	118.7	216.2	335.3
40°	0.0	5.0	9.1	13.7	20.1	28.6	43.7	78.7	142.5	256.7	392.3
37.5°	0.0	5.2	9.3	14.4	21.3	30.2	47.4	93.7	176.6	298.0	446.7
35°	0.0	5.3	9.6	15.0	22.5	32.6	51.0	107.9	208.9	344.2	497.8
32.5°	0.0	5.5	9.8	15.6	23.6	35.4	56.7	121.3	239.4	387.7	545.2
30°	0.0	5.6	10.0	16.1	24.6	38.0	67.3	136.7	267.9	428.4	589.7
27.5°	0.0	5.8	10.2	16.6	25.5	40.4	77.3	159.8	297.0	466.3	631.1
25°	0.0	5.9	10.4	17.1	26.4	42.6	86.4	181.0	327.8	500.7	669.7
22.5°	0.0	6.0	10.6	17.5	27.2	44.6	94.7	200.3	355.9	531.8	713.9
20°	0.0	6.1	10.7	17.9	27.9	46.4	102.2	217.8	381.3	559.9	753.7
17.5°	0.0	6.2	10.9	18.3	28.6	48.0	108.9	233.2	403.8	584.9	789.2
15°	0.0	6.3	11.0	18.6	29.1	49.4	114.7	246.7	423.5	606.7	820.1
12.5°	0.0	6.3	11.1	18.8	29.6	50.6	119.6	258.2	440.2	625.2	846.5
10°	0.0	6.4	11.2	19.0	30.0	51.6	123.7	267.7	453.9	640.4	868.1
7.5°	0.0	6.4	11.2	19.2	30.3	52.3	126.8	275.0	464.7	652.3	885.1
5°	0.0	6.5	11.3	19.3	30.5	52.9	129.1	280.3	472.3	660.9	897.2
2.5°	0.0	6.5	11.3	19.4	30.7	53.2	130.4	283.4	477.0	666.0	904.5
0°	0.0	6.5	11.3	19.4	30.7	53.3	130.9	284.5	478.5	667.7	906.9
-2.5°	0.0	6.5	11.3	19.4	30.7	53.2	130.4	283.4	477.0	666.0	904.5
-5°	0.0	6.5	11.3	19.3	30.5	52.9	129.1	280.3	472.3	660.9	897.2
-7.5°	0.0	6.4	11.2	19.2	30.3	52.3	126.8	275.0	464.7	652.3	885.1
-10°	0.0	6.4	11.2	19.0	30.0	51.6	123.7	267.7	453.9	640.4	868.1
-12.5°	0.0	6.3	11.1	18.8	29.6	50.6	119.6	258.2	440.2	625.2	846.5
-15°	0.0	6.3	11.0	18.6	29.1	49.4	114.7	246.7	423.5	606.7	820.1
-17.5°	0.0	6.2	10.9	18.3	28.6	48.0	108.9	233.2	403.8	584.9	789.2
-20°	0.0	6.1	10.7	17.9	27.9	46.4	102.2	217.8	381.3	559.9	753.7



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 CATALOG NUMBER: EPH-08-640L-40-70-3S-HEG-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	6.0	10.6	17.5	27.2	44.6	94.7	200.3	355.9	531.8	713.9
-25°	0.0	5.9	10.4	17.1	26.4	42.6	86.4	181.0	327.8	500.7	669.7
-27.5°	0.0	5.8	10.2	16.6	25.5	40.4	77.3	159.8	297.0	466.3	631.1
-30°	0.0	5.6	10.0	16.1	24.6	38.0	67.3	136.7	267.9	428.4	589.7
-32.5°	0.0	5.5	9.8	15.6	23.6	35.4	56.7	121.3	239.4	387.7	545.2
-35°	0.0	5.3	9.6	15.0	22.5	32.6	51.0	107.9	208.9	344.2	497.8
-37.5°	0.0	5.2	9.3	14.4	21.3	30.2	47.4	93.7	176.6	298.0	446.7
-40°	0.0	5.0	9.1	13.7	20.1	28.6	43.7	78.7	142.5	256.7	392.3
-42.5°	0.0	4.8	8.8	13.0	18.9	27.0	39.7	62.9	118.7	216.2	335.3
-45°	0.0	4.6	8.5	12.3	18.0	25.3	35.6	51.3	99.7	173.9	277.6
-47.5°	0.0	4.4	8.2	11.5	16.9	23.5	31.3	46.3	80.0	130.4	228.6
-50°	0.0	4.2	7.9	10.9	15.9	21.6	28.8	41.0	59.5	107.3	177.8
-52.5°	0.0	4.0	7.5	10.5	14.8	19.7	26.5	35.7	48.9	83.5	128.1
-55°	0.0	3.7	7.2	9.9	13.6	18.2	24.1	30.4	42.6	58.9	100.7
-57.5°	0.0	3.5	6.9	9.4	12.4	16.7	21.6	27.5	36.0	47.6	72.7
-60°	0.0	3.2	6.5	8.9	11.3	15.2	19.2	24.6	30.0	40.0	50.6
-62.5°	0.0	3.0	6.0	8.3	10.5	13.7	17.3	21.6	26.6	32.3	42.0
-65°	0.0	2.7	5.5	7.8	9.8	12.1	15.4	18.8	23.1	27.6	33.3
-67.5°	0.0	2.5	5.0	7.2	9.0	10.8	13.5	16.5	19.5	23.6	27.6
-70°	0.0	2.2	4.4	6.6	8.2	9.9	11.6	14.2	16.9	19.5	23.1
-72.5°	0.0	2.0	3.9	5.8	7.4	8.9	10.3	11.9	14.2	16.5	18.8
-75°	0.0	1.7	3.4	5.0	6.6	7.9	9.1	10.3	11.6	13.5	15.4
-77.5°	0.0	1.4	2.8	4.2	5.6	6.9	7.9	8.9	9.9	10.8	12.1
-80°	0.0	1.1	2.3	3.4	4.5	5.6	6.6	7.4	8.2	9.0	9.8
-82.5°	0.0	0.8	1.7	2.5	3.4	4.2	5.0	5.8	6.6	7.2	7.8
-85°	0.0	0.6	1.1	1.7	2.3	2.8	3.4	3.9	4.4	5.0	5.5
-87.5°	0.0	0.3	0.6	0.8	1.1	1.4	1.7	2.0	2.2	2.5	2.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-08-640L-40-70-3S-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°	3.0	3.2	3.5	3.7	4.0	4.2	4.4	4.6	4.8	5.0	5.2
85°	6.0	6.5	6.9	7.2	7.5	7.9	8.2	8.5	8.8	9.1	9.3
82.5°	8.3	8.9	9.4	9.9	10.5	10.9	11.5	12.3	13.0	13.7	14.4
80°	10.5	11.3	12.4	13.6	14.8	15.9	16.9	18.0	18.9	20.1	21.3
77.5°	13.7	15.2	16.7	18.2	19.7	21.6	23.5	25.3	27.0	28.6	30.2
75°	17.3	19.2	21.6	24.1	26.5	28.8	31.3	35.6	39.7	43.7	47.4
72.5°	21.6	24.6	27.5	30.4	35.7	41.0	46.3	51.3	62.9	78.7	93.7
70°	26.6	30.0	36.0	42.6	48.9	59.5	80.0	99.7	118.7	142.5	176.6
67.5°	32.3	40.0	47.6	58.9	83.5	107.3	130.4	173.9	216.2	256.7	298.0
65°	42.0	50.6	72.7	100.7	128.1	177.8	228.6	277.6	335.3	392.3	446.7
62.5°	51.6	79.6	111.2	152.9	212.3	270.1	337.0	405.3	471.0	532.6	591.2
60°	79.6	114.7	166.8	233.2	301.6	381.3	458.5	531.8	602.0	669.7	751.0
57.5°	111.2	166.8	240.2	319.4	408.0	494.0	575.7	654.8	747.8	840.4	929.5
55°	152.9	233.2	319.4	417.0	511.5	602.2	696.3	804.3	908.5	1010.9	1108.9
52.5°	212.3	301.6	408.0	511.5	611.1	719.0	838.5	955.4	1069.9	1179.3	1282.2
50°	270.1	381.3	494.0	602.2	719.0	849.9	979.0	1105.6	1226.0	1341.1	1466.5
47.5°	337.0	458.5	575.7	696.3	838.5	979.0	1117.5	1249.6	1376.7	1526.0	1672.4
45°	405.3	531.8	654.8	804.3	955.4	1105.6	1249.6	1388.7	1556.0	1719.5	1882.5
42.5°	471.0	602.0	747.8	908.5	1069.9	1226.0	1376.7	1556.0	1735.4	1914.8	2071.6
40°	532.6	669.7	840.4	1010.9	1179.3	1341.1	1526.0	1719.5	1914.8	2085.3	2238.0
37.5°	591.2	751.0	929.5	1108.9	1282.2	1466.5	1672.4	1882.5	2071.6	2238.0	2373.1
35°	646.9	828.3	1015.5	1200.9	1380.3	1597.2	1818.2	2030.6	2210.0	2361.3	2733.4
32.5°	707.8	901.3	1097.0	1287.1	1493.7	1723.2	1957.6	2154.6	2325.9	2585.1	3493.7
30°	770.2	971.3	1173.0	1368.2	1602.5	1845.8	2072.7	2267.6	2430.2	3266.8	4137.8
27.5°	828.3	1036.6	1242.6	1457.2	1705.3	1960.8	2175.7	2359.4	2893.9	3883.7	4705.2
25°	881.9	1097.0	1307.1	1544.2	1804.0	2054.6	2267.1	2445.1	3457.4	4381.9	4993.2
22.5°	931.5	1152.3	1366.1	1624.0	1894.7	2136.3	2340.5	2866.8	3939.4	4831.4	5196.7
20°	976.8	1200.9	1426.9	1697.0	1977.0	2210.6	2407.2	3308.5	4332.3	5005.1	5391.5
17.5°	1017.1	1244.3	1485.9	1764.4	2040.3	2271.7	2516.9	3705.1	4686.0	5161.7	5571.3
15°	1052.3	1282.2	1537.5	1823.5	2093.9	2320.1	2838.8	4001.6	4894.4	5302.8	5731.8
12.5°	1082.3	1314.5	1581.6	1873.9	2139.8	2361.5	3114.7	4248.6	5004.4	5429.6	5900.6
10°	1106.9	1341.1	1617.8	1915.5	2177.6	2395.7	3342.8	4453.2	5095.6	5535.0	6041.2
7.5°	1126.2	1361.8	1646.2	1948.0	2207.2	2422.6	3521.8	4613.9	5167.3	5618.1	6152.1
5°	1140.0	1376.7	1666.6	1971.4	2228.4	2441.8	3650.4	4729.5	5219.0	5677.9	6232.2
2.5°	1148.3	1385.7	1678.8	1985.4	2241.2	2453.4	3728.0	4799.2	5250.2	5714.1	6280.7
0°	1151.1	1388.7	1682.9	1990.1	2245.5	2457.3	3753.9	4822.5	5260.6	5726.2	6296.9
-2.5°	1148.3	1385.7	1678.8	1985.4	2241.2	2453.4	3728.0	4799.2	5250.2	5714.1	6280.7
-5°	1140.0	1376.7	1666.6	1971.4	2228.4	2441.8	3650.4	4729.5	5219.0	5677.9	6232.2
-7.5°	1126.2	1361.8	1646.2	1948.0	2207.2	2422.6	3521.8	4613.9	5167.3	5618.1	6152.1
-10°	1106.9	1341.1	1617.8	1915.5	2177.6	2395.7	3342.8	4453.2	5095.6	5535.0	6041.2
-12.5°	1082.3	1314.5	1581.6	1873.9	2139.8	2361.5	3114.7	4248.6	5004.4	5429.6	5900.6
-15°	1052.3	1282.2	1537.5	1823.5	2093.9	2320.1	2838.8	4001.6	4894.4	5302.8	5731.8
-17.5°	1017.1	1244.3	1485.9	1764.4	2040.3	2271.7	2516.9	3705.1	4686.0	5161.7	5571.3
-20°	976.8	1200.9	1426.9	1697.0	1977.0	2210.6	2407.2	3308.5	4332.3	5005.1	5391.5



REPORT NUMBER: P1305379 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-3S-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	931.5	1152.3	1366.1	1624.0	1894.7	2136.3	2340.5	2866.8	3939.4	4831.4	5196.7
-25°	881.9	1097.0	1307.1	1544.2	1804.0	2054.6	2267.1	2445.1	3457.4	4381.9	4993.2
-27.5°	828.3	1036.6	1242.6	1457.2	1705.3	1960.8	2175.7	2359.4	2893.9	3883.7	4705.2
-30°	770.2	971.3	1173.0	1368.2	1602.5	1845.8	2072.7	2267.6	2430.2	3266.8	4137.8
-32.5°	707.8	901.3	1097.0	1287.1	1493.7	1723.2	1957.6	2154.6	2325.9	2585.1	3493.7
-35°	646.9	828.3	1015.5	1200.9	1380.3	1597.2	1818.2	2030.6	2210.0	2361.3	2733.4
-37.5°	591.2	751.0	929.5	1108.9	1282.2	1466.5	1672.4	1882.5	2071.6	2238.0	2373.1
-40°	532.6	669.7	840.4	1010.9	1179.3	1341.1	1526.0	1719.5	1914.8	2085.3	2238.0
-42.5°	471.0	602.0	747.8	908.5	1069.9	1226.0	1376.7	1556.0	1735.4	1914.8	2071.6
-45°	405.3	531.8	654.8	804.3	955.4	1105.6	1249.6	1388.7	1556.0	1719.5	1882.5
-47.5°	337.0	458.5	575.7	696.3	838.5	979.0	1117.5	1249.6	1376.7	1526.0	1672.4
-50°	270.1	381.3	494.0	602.2	719.0	849.9	979.0	1105.6	1226.0	1341.1	1466.5
-52.5°	212.3	301.6	408.0	511.5	611.1	719.0	838.5	955.4	1069.9	1179.3	1282.2
-55°	152.9	233.2	319.4	417.0	511.5	602.2	696.3	804.3	908.5	1010.9	1108.9
-57.5°	111.2	166.8	240.2	319.4	408.0	494.0	575.7	654.8	747.8	840.4	929.5
-60°	79.6	114.7	166.8	233.2	301.6	381.3	458.5	531.8	602.0	669.7	751.0
-62.5°	51.6	79.6	111.2	152.9	212.3	270.1	337.0	405.3	471.0	532.6	591.2
-65°	42.0	50.6	72.7	100.7	128.1	177.8	228.6	277.6	335.3	392.3	446.7
-67.5°	32.3	40.0	47.6	58.9	83.5	107.3	130.4	173.9	216.2	256.7	298.0
-70°	26.6	30.0	36.0	42.6	48.9	59.5	80.0	99.7	118.7	142.5	176.6
-72.5°	21.6	24.6	27.5	30.4	35.7	41.0	46.3	51.3	62.9	78.7	93.7
-75°	17.3	19.2	21.6	24.1	26.5	28.8	31.3	35.6	39.7	43.7	47.4
-77.5°	13.7	15.2	16.7	18.2	19.7	21.6	23.5	25.3	27.0	28.6	30.2
-80°	10.5	11.3	12.4	13.6	14.8	15.9	16.9	18.0	18.9	20.1	21.3
-82.5°	8.3	8.9	9.4	9.9	10.5	10.9	11.5	12.3	13.0	13.7	14.4
-85°	6.0	6.5	6.9	7.2	7.5	7.9	8.2	8.5	8.8	9.1	9.3
-87.5°	3.0	3.2	3.5	3.7	4.0	4.2	4.4	4.6	4.8	5.0	5.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305379 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.3	5.5	5.6	5.8	5.9	6.0	6.1	6.2	6.3	6.3	6.4
85°	9.6	9.8	10.0	10.2	10.4	10.6	10.7	10.9	11.0	11.1	11.2
82.5°	15.0	15.6	16.1	16.6	17.1	17.5	17.9	18.3	18.6	18.8	19.0
80°	22.5	23.6	24.6	25.5	26.4	27.2	27.9	28.6	29.1	29.6	30.0
77.5°	32.6	35.4	38.0	40.4	42.6	44.6	46.4	48.0	49.4	50.6	51.6
75°	51.0	56.7	67.3	77.3	86.4	94.7	102.2	108.9	114.7	119.6	123.7
72.5°	107.9	121.3	136.7	159.8	181.0	200.3	217.8	233.2	246.7	258.2	267.7
70°	208.9	239.4	267.9	297.0	327.8	355.9	381.3	403.8	423.5	440.2	453.9
67.5°	344.2	387.7	428.4	466.3	500.7	531.8	559.9	584.9	606.7	625.2	640.4
65°	497.8	545.2	589.7	631.1	669.7	713.9	753.7	789.2	820.1	846.5	868.1
62.5°	646.9	707.8	770.2	828.3	881.9	931.5	976.8	1017.1	1052.3	1082.3	1106.9
60°	828.3	901.3	971.3	1036.6	1097.0	1152.3	1200.9	1244.3	1282.2	1314.5	1341.1
57.5°	1015.5	1097.0	1173.0	1242.6	1307.1	1366.1	1426.9	1485.9	1537.5	1581.6	1617.8
55°	1200.9	1287.1	1368.2	1457.2	1544.2	1624.0	1697.0	1764.4	1823.5	1873.9	1915.5
52.5°	1380.3	1493.7	1602.5	1705.3	1804.0	1894.7	1977.0	2040.3	2093.9	2139.8	2177.6
50°	1597.2	1723.2	1845.8	1960.8	2054.6	2136.3	2210.6	2271.7	2320.1	2361.5	2395.7
47.5°	1818.2	1957.6	2072.7	2175.7	2267.1	2340.5	2407.2	2516.9	2838.8	3114.7	3342.8
45°	2030.6	2154.6	2267.6	2359.4	2445.1	2866.8	3308.5	3705.1	4001.6	4248.6	4453.2
42.5°	2210.0	2325.9	2430.2	2893.9	3457.4	3939.4	4332.3	4686.0	4894.4	5004.4	5095.6
40°	2361.3	2585.1	3266.8	3883.7	4381.9	4831.4	5005.1	5161.7	5302.8	5429.6	5535.0
37.5°	2733.4	3493.7	4137.8	4705.2	4993.2	5196.7	5391.5	5571.3	5731.8	5900.6	6041.2
35°	3569.8	4266.3	4855.2	5103.2	5341.9	5574.0	5801.9	6039.9	6251.6	6480.3	6683.7
32.5°	4266.3	4882.3	5158.9	5433.0	5698.5	5997.1	6279.2	6614.8	6919.6	7285.7	7681.3
30°	4855.2	5158.9	5463.7	5769.6	6116.6	6491.0	6894.0	7425.0	8014.2	8596.9	9272.4
27.5°	5103.2	5433.0	5769.6	6156.8	6601.6	7073.4	7845.4	8638.6	9637.7	10514.1	12621.5
25°	5341.9	5698.5	6116.6	6601.6	7176.5	8059.7	9159.7	10357.4	13160.3	15896.8	20468.1
22.5°	5574.0	5997.1	6491.0	7073.4	8059.7	9335.9	11111.0	14806.0	20367.8	27389.7	35066.5
20°	5801.9	6279.2	6894.0	7845.4	9159.7	11111.0	15364.1	23117.3	32357.3	44774.6	56237.2
17.5°	6039.9	6614.8	7425.0	8638.6	10357.4	14806.0	23117.3	34730.7	49807.6	67006.2	83133.6
15°	6251.6	6919.6	8014.2	9637.7	13160.3	20367.8	32357.3	49807.6	70700.0	92021.0	112591.6
12.5°	6480.3	7285.7	8596.9	10514.1	15896.8	27389.7	44774.6	67006.2	92021.0	117587.8	139723.5
10°	6683.7	7681.3	9272.4	12621.5	20468.1	35066.5	56237.2	83133.6	112591.6	139723.5	166130.2
7.5°	6844.6	7995.0	9809.9	14311.6	24843.2	42893.9	68056.0	98183.2	129364.6	159434.5	193198.8
5°	6961.0	8222.5	10200.9	15544.9	28050.0	48664.5	76836.7	109583.2	141927.7	176980.7	215601.3
2.5°	7031.5	8360.5	10438.3	16296.0	30009.0	52204.7	82254.9	116675.5	149837.7	188755.4	232044.1
0°	7055.1	8406.7	10518.0	16548.2	30668.1	53398.4	84087.6	119085.2	152543.7	192816.4	237961.8
-2.5°	7031.5	8360.5	10438.3	16296.0	30009.0	52204.7	82254.9	116675.5	149837.7	188755.4	232044.1
-5°	6961.0	8222.5	10200.9	15544.9	28050.0	48664.5	76836.7	109583.2	141927.7	176980.7	215601.3
-7.5°	6844.6	7995.0	9809.9	14311.6	24843.2	42893.9	68056.0	98183.2	129364.6	159434.5	193198.8
-10°	6683.7	7681.3	9272.4	12621.5	20468.1	35066.5	56237.2	83133.6	112591.6	139723.5	166130.2
-12.5°	6480.3	7285.7	8596.9	10514.1	15896.8	27389.7	44774.6	67006.2	92021.0	117587.8	139723.5
-15°	6251.6	6919.6	8014.2	9637.7	13160.3	20367.8	32357.3	49807.6	70700.0	92021.0	112591.6
-17.5°	6039.9	6614.8	7425.0	8638.6	10357.4	14806.0	23117.3	34730.7	49807.6	67006.2	83133.6
-20°	5801.9	6279.2	6894.0	7845.4	9159.7	11111.0	15364.1	23117.3	32357.3	44774.6	56237.2



REPORT NUMBER: P1305379 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-3S-HEG-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5574.0	5997.1	6491.0	7073.4	8059.7	9335.9	11111.0	14806.0	20367.8	27389.7	35066.5
-25°	5341.9	5698.5	6116.6	6601.6	7176.5	8059.7	9159.7	10357.4	13160.3	15896.8	20468.1
-27.5°	5103.2	5433.0	5769.6	6156.8	6601.6	7073.4	7845.4	8638.6	9637.7	10514.1	12621.5
-30°	4855.2	5158.9	5463.7	5769.6	6116.6	6491.0	6894.0	7425.0	8014.2	8596.9	9272.4
-32.5°	4266.3	4882.3	5158.9	5433.0	5698.5	5997.1	6279.2	6614.8	6919.6	7285.7	7681.3
-35°	3569.8	4266.3	4855.2	5103.2	5341.9	5574.0	5801.9	6039.9	6251.6	6480.3	6683.7
-37.5°	2733.4	3493.7	4137.8	4705.2	4993.2	5196.7	5391.5	5571.3	5731.8	5900.6	6041.2
-40°	2361.3	2585.1	3266.8	3883.7	4381.9	4831.4	5005.1	5161.7	5302.8	5429.6	5535.0
-42.5°	2210.0	2325.9	2430.2	2893.9	3457.4	3939.4	4332.3	4686.0	4894.4	5004.4	5095.6
-45°	2030.6	2154.6	2267.6	2359.4	2445.1	2866.8	3308.5	3705.1	4001.6	4248.6	4453.2
-47.5°	1818.2	1957.6	2072.7	2175.7	2267.1	2340.5	2407.2	2516.9	2838.8	3114.7	3342.8
-50°	1597.2	1723.2	1845.8	1960.8	2054.6	2136.3	2210.6	2271.7	2320.1	2361.5	2395.7
-52.5°	1380.3	1493.7	1602.5	1705.3	1804.0	1894.7	1977.0	2040.3	2093.9	2139.8	2177.6
-55°	1200.9	1287.1	1368.2	1457.2	1544.2	1624.0	1697.0	1764.4	1823.5	1873.9	1915.5
-57.5°	1015.5	1097.0	1173.0	1242.6	1307.1	1366.1	1426.9	1485.9	1537.5	1581.6	1617.8
-60°	828.3	901.3	971.3	1036.6	1097.0	1152.3	1200.9	1244.3	1282.2	1314.5	1341.1
-62.5°	646.9	707.8	770.2	828.3	881.9	931.5	976.8	1017.1	1052.3	1082.3	1106.9
-65°	497.8	545.2	589.7	631.1	669.7	713.9	753.7	789.2	820.1	846.5	868.1
-67.5°	344.2	387.7	428.4	466.3	500.7	531.8	559.9	584.9	606.7	625.2	640.4
-70°	208.9	239.4	267.9	297.0	327.8	355.9	381.3	403.8	423.5	440.2	453.9
-72.5°	107.9	121.3	136.7	159.8	181.0	200.3	217.8	233.2	246.7	258.2	267.7
-75°	51.0	56.7	67.3	77.3	86.4	94.7	102.2	108.9	114.7	119.6	123.7
-77.5°	32.6	35.4	38.0	40.4	42.6	44.6	46.4	48.0	49.4	50.6	51.6
-80°	22.5	23.6	24.6	25.5	26.4	27.2	27.9	28.6	29.1	29.6	30.0
-82.5°	15.0	15.6	16.1	16.6	17.1	17.5	17.9	18.3	18.6	18.8	19.0
-85°	9.6	9.8	10.0	10.2	10.4	10.6	10.7	10.9	11.0	11.1	11.2
-87.5°	5.3	5.5	5.6	5.8	5.9	6.0	6.1	6.2	6.3	6.3	6.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305379 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-3S-HEG-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.4	6.5	6.5	6.5	6.5	6.5	6.4	6.4	6.3	6.3	6.2
85°	11.2	11.3	11.3	11.3	11.3	11.3	11.2	11.2	11.1	11.0	10.9
82.5°	19.2	19.3	19.4	19.4	19.4	19.3	19.2	19.0	18.8	18.6	18.3
80°	30.3	30.5	30.7	30.7	30.7	30.5	30.3	30.0	29.6	29.1	28.6
77.5°	52.3	52.9	53.2	53.3	53.2	52.9	52.3	51.6	50.6	49.4	48.0
75°	126.8	129.1	130.4	130.9	130.4	129.1	126.8	123.7	119.6	114.7	108.9
72.5°	275.0	280.3	283.4	284.5	283.4	280.3	275.0	267.7	258.2	246.7	233.2
70°	464.7	472.3	477.0	478.5	477.0	472.3	464.7	453.9	440.2	423.5	403.8
67.5°	652.3	660.9	666.0	667.7	666.0	660.9	652.3	640.4	625.2	606.7	584.9
65°	885.1	897.2	904.5	906.9	904.5	897.2	885.1	868.1	846.5	820.1	789.2
62.5°	1126.2	1140.0	1148.3	1151.1	1148.3	1140.0	1126.2	1106.9	1082.3	1052.3	1017.1
60°	1361.8	1376.7	1385.7	1388.7	1385.7	1376.7	1361.8	1341.1	1314.5	1282.2	1244.3
57.5°	1646.2	1666.6	1678.8	1682.9	1678.8	1666.6	1646.2	1617.8	1581.6	1537.5	1485.9
55°	1948.0	1971.4	1985.4	1990.1	1985.4	1971.4	1948.0	1915.5	1873.9	1823.5	1764.4
52.5°	2207.2	2228.4	2241.2	2245.5	2241.2	2228.4	2207.2	2177.6	2139.8	2093.9	2040.3
50°	2422.6	2441.8	2453.4	2457.3	2453.4	2441.8	2422.6	2395.7	2361.5	2320.1	2271.7
47.5°	3521.8	3650.4	3728.0	3753.9	3728.0	3650.4	3521.8	3342.8	3114.7	2838.8	2516.9
45°	4613.9	4729.5	4799.2	4822.5	4799.2	4729.5	4613.9	4453.2	4248.6	4001.6	3705.1
42.5°	5167.3	5219.0	5250.2	5260.6	5250.2	5219.0	5167.3	5095.6	5004.4	4894.4	4686.0
40°	5618.1	5677.9	5714.1	5726.2	5714.1	5677.9	5618.1	5535.0	5429.6	5302.8	5161.7
37.5°	6152.1	6232.2	6280.7	6296.9	6280.7	6232.2	6152.1	6041.2	5900.6	5731.8	5571.3
35°	6844.6	6961.0	7031.5	7055.1	7031.5	6961.0	6844.6	6683.7	6480.3	6251.6	6039.9
32.5°	7995.0	8222.5	8360.5	8406.7	8360.5	8222.5	7995.0	7681.3	7285.7	6919.6	6614.8
30°	9809.9	10200.9	10438.3	10518.0	10438.3	10200.9	9809.9	9272.4	8596.9	8014.2	7425.0
27.5°	14311.6	15544.9	16296.0	16548.2	16296.0	15544.9	14311.6	12621.5	10514.1	9637.7	8638.6
25°	24843.2	28050.0	30009.0	30668.1	30009.0	28050.0	24843.2	20468.1	15896.8	13160.3	10357.4
22.5°	42893.9	48664.5	52204.7	53398.4	52204.7	48664.5	42893.9	35066.5	27389.7	20367.8	14806.0
20°	68056.0	76836.7	82254.9	84087.6	82254.9	76836.7	68056.0	56237.2	44774.6	32357.3	23117.3
17.5°	98183.2	109583.2	116675.5	119085.2	116675.5	109583.2	98183.2	83133.6	67006.2	49807.6	34730.7
15°	129364.6	141927.7	149837.7	152543.7	149837.7	141927.7	129364.6	112591.6	92021.0	70700.0	49807.6
12.5°	159434.5	176980.7	188755.4	192816.4	188755.4	176980.7	159434.5	139723.5	117587.8	92021.0	67006.2
10°	193198.8	215601.3	232044.1	237961.8	232044.1	215601.3	193198.8	166130.2	139723.5	112591.6	83133.6
7.5°	226475.1	256717.8	273446.5	278413.2	273446.5	256717.8	226475.1	193198.8	159434.5	129364.6	98183.2
5°	256717.8	283749.0	299221.8	304574.8	299221.8	283749.0	256717.8	215601.3	176980.7	141927.7	109583.2
2.5°	273446.5	299221.8	320699.6	335273.7	320699.6	299221.8	273446.5	232044.1	188755.4	149837.7	116675.5
0°	278413.2	304574.8	335273.7	355724.5	335273.7	304574.8	278413.2	237961.8	192816.4	152543.7	119085.2
-2.5°	273446.5	299221.8	320699.6	335273.7	320699.6	299221.8	273446.5	232044.1	188755.4	149837.7	116675.5
-5°	256717.8	283749.0	299221.8	304574.8	299221.8	283749.0	256717.8	215601.3	176980.7	141927.7	109583.2
-7.5°	226475.1	256717.8	273446.5	278413.2	273446.5	256717.8	226475.1	193198.8	159434.5	129364.6	98183.2
-10°	193198.8	215601.3	232044.1	237961.8	232044.1	215601.3	193198.8	166130.2	139723.5	112591.6	83133.6
-12.5°	159434.5	176980.7	188755.4	192816.4	188755.4	176980.7	159434.5	139723.5	117587.8	92021.0	67006.2
-15°	129364.6	141927.7	149837.7	152543.7	149837.7	141927.7	129364.6	112591.6	92021.0	70700.0	49807.6
-17.5°	98183.2	109583.2	116675.5	119085.2	116675.5	109583.2	98183.2	83133.6	67006.2	49807.6	34730.7
-20°	68056.0	76836.7	82254.9	84087.6	82254.9	76836.7	68056.0	56237.2	44774.6	32357.3	23117.3



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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°	42893.9	48664.5	52204.7	53398.4	52204.7	48664.5	42893.9	35066.5	27389.7	20367.8	14806.0
-25°	24843.2	28050.0	30009.0	30668.1	30009.0	28050.0	24843.2	20468.1	15896.8	13160.3	10357.4
-27.5°	14311.6	15544.9	16296.0	16548.2	16296.0	15544.9	14311.6	12621.5	10514.1	9637.7	8638.6
-30°	9809.9	10200.9	10438.3	10518.0	10438.3	10200.9	9809.9	9272.4	8596.9	8014.2	7425.0
-32.5°	7995.0	8222.5	8360.5	8406.7	8360.5	8222.5	7995.0	7681.3	7285.7	6919.6	6614.8
-35°	6844.6	6961.0	7031.5	7055.1	7031.5	6961.0	6844.6	6683.7	6480.3	6251.6	6039.9
-37.5°	6152.1	6232.2	6280.7	6296.9	6280.7	6232.2	6152.1	6041.2	5900.6	5731.8	5571.3
-40°	5618.1	5677.9	5714.1	5726.2	5714.1	5677.9	5618.1	5535.0	5429.6	5302.8	5161.7
-42.5°	5167.3	5219.0	5250.2	5260.6	5250.2	5219.0	5167.3	5095.6	5004.4	4894.4	4686.0
-45°	4613.9	4729.5	4799.2	4822.5	4799.2	4729.5	4613.9	4453.2	4248.6	4001.6	3705.1
-47.5°	3521.8	3650.4	3728.0	3753.9	3728.0	3650.4	3521.8	3342.8	3114.7	2838.8	2516.9
-50°	2422.6	2441.8	2453.4	2457.3	2453.4	2441.8	2422.6	2395.7	2361.5	2320.1	2271.7
-52.5°	2207.2	2228.4	2241.2	2245.5	2241.2	2228.4	2207.2	2177.6	2139.8	2093.9	2040.3
-55°	1948.0	1971.4	1985.4	1990.1	1985.4	1971.4	1948.0	1915.5	1873.9	1823.5	1764.4
-57.5°	1646.2	1666.6	1678.8	1682.9	1678.8	1666.6	1646.2	1617.8	1581.6	1537.5	1485.9
-60°	1361.8	1376.7	1385.7	1388.7	1385.7	1376.7	1361.8	1341.1	1314.5	1282.2	1244.3
-62.5°	1126.2	1140.0	1148.3	1151.1	1148.3	1140.0	1126.2	1106.9	1082.3	1052.3	1017.1
-65°	885.1	897.2	904.5	906.9	904.5	897.2	885.1	868.1	846.5	820.1	789.2
-67.5°	652.3	660.9	666.0	667.7	666.0	660.9	652.3	640.4	625.2	606.7	584.9
-70°	464.7	472.3	477.0	478.5	477.0	472.3	464.7	453.9	440.2	423.5	403.8
-72.5°	275.0	280.3	283.4	284.5	283.4	280.3	275.0	267.7	258.2	246.7	233.2
-75°	126.8	129.1	130.4	130.9	130.4	129.1	126.8	123.7	119.6	114.7	108.9
-77.5°	52.3	52.9	53.2	53.3	53.2	52.9	52.3	51.6	50.6	49.4	48.0
-80°	30.3	30.5	30.7	30.7	30.7	30.5	30.3	30.0	29.6	29.1	28.6
-82.5°	19.2	19.3	19.4	19.4	19.4	19.3	19.2	19.0	18.8	18.6	18.3
-85°	11.2	11.3	11.3	11.3	11.3	11.3	11.2	11.2	11.1	11.0	10.9
-87.5°	6.4	6.5	6.5	6.5	6.5	6.5	6.4	6.4	6.3	6.3	6.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.1	6.0	5.9	5.8	5.6	5.5	5.3	5.2	5.0	4.8	4.6
85°	10.7	10.6	10.4	10.2	10.0	9.8	9.6	9.3	9.1	8.8	8.5
82.5°	17.9	17.5	17.1	16.6	16.1	15.6	15.0	14.4	13.7	13.0	12.3
80°	27.9	27.2	26.4	25.5	24.6	23.6	22.5	21.3	20.1	18.9	18.0
77.5°	46.4	44.6	42.6	40.4	38.0	35.4	32.6	30.2	28.6	27.0	25.3
75°	102.2	94.7	86.4	77.3	67.3	56.7	51.0	47.4	43.7	39.7	35.6
72.5°	217.8	200.3	181.0	159.8	136.7	121.3	107.9	93.7	78.7	62.9	51.3
70°	381.3	355.9	327.8	297.0	267.9	239.4	208.9	176.6	142.5	118.7	99.7
67.5°	559.9	531.8	500.7	466.3	428.4	387.7	344.2	298.0	256.7	216.2	173.9
65°	753.7	713.9	669.7	631.1	589.7	545.2	497.8	446.7	392.3	335.3	277.6
62.5°	976.8	931.5	881.9	828.3	770.2	707.8	646.9	591.2	532.6	471.0	405.3
60°	1200.9	1152.3	1097.0	1036.6	971.3	901.3	828.3	751.0	669.7	602.0	531.8
57.5°	1426.9	1366.1	1307.1	1242.6	1173.0	1097.0	1015.5	929.5	840.4	747.8	654.8
55°	1697.0	1624.0	1544.2	1457.2	1368.2	1287.1	1200.9	1108.9	1010.9	908.5	804.3
52.5°	1977.0	1894.7	1804.0	1705.3	1602.5	1493.7	1380.3	1282.2	1179.3	1069.9	955.4
50°	2210.6	2136.3	2054.6	1960.8	1845.8	1723.2	1597.2	1466.5	1341.1	1226.0	1105.6
47.5°	2407.2	2340.5	2267.1	2175.7	2072.7	1957.6	1818.2	1672.4	1526.0	1376.7	1249.6
45°	3308.5	2866.8	2445.1	2359.4	2267.6	2154.6	2030.6	1882.5	1719.5	1556.0	1388.7
42.5°	4332.3	3939.4	3457.4	2893.9	2430.2	2325.9	2210.0	2071.6	1914.8	1735.4	1556.0
40°	5005.1	4831.4	4381.9	3883.7	3266.8	2585.1	2361.3	2238.0	2085.3	1914.8	1719.5
37.5°	5391.5	5196.7	4993.2	4705.2	4137.8	3493.7	2733.4	2373.1	2238.0	2071.6	1882.5
35°	5801.9	5574.0	5341.9	5103.2	4855.2	4266.3	3569.8	2733.4	2361.3	2210.0	2030.6
32.5°	6279.2	5997.1	5698.5	5433.0	5158.9	4882.3	4266.3	3493.7	2585.1	2325.9	2154.6
30°	6894.0	6491.0	6116.6	5769.6	5463.7	5158.9	4855.2	4137.8	3266.8	2430.2	2267.6
27.5°	7845.4	7073.4	6601.6	6156.8	5769.6	5433.0	5103.2	4705.2	3883.7	2893.9	2359.4
25°	9159.7	8059.7	7176.5	6601.6	6116.6	5698.5	5341.9	4993.2	4381.9	3457.4	2445.1
22.5°	11111.0	9335.9	8059.7	7073.4	6491.0	5997.1	5574.0	5196.7	4831.4	3939.4	2866.8
20°	15364.1	11111.0	9159.7	7845.4	6894.0	6279.2	5801.9	5391.5	5005.1	4332.3	3308.5
17.5°	23117.3	14806.0	10357.4	8638.6	7425.0	6614.8	6039.9	5571.3	5161.7	4686.0	3705.1
15°	32357.3	20367.8	13160.3	9637.7	8014.2	6919.6	6251.6	5731.8	5302.8	4894.4	4001.6
12.5°	44774.6	27389.7	15896.8	10514.1	8596.9	7285.7	6480.3	5900.6	5429.6	5004.4	4248.6
10°	56237.2	35066.5	20468.1	12621.5	9272.4	7681.3	6683.7	6041.2	5535.0	5095.6	4453.2
7.5°	68056.0	42893.9	24843.2	14311.6	9809.9	7995.0	6844.6	6152.1	5618.1	5167.3	4613.9
5°	76836.7	48664.5	28050.0	15544.9	10200.9	8222.5	6961.0	6232.2	5677.9	5219.0	4729.5
2.5°	82254.9	52204.7	30009.0	16296.0	10438.3	8360.5	7031.5	6280.7	5714.1	5250.2	4799.2
0°	84087.6	53398.4	30668.1	16548.2	10518.0	8406.7	7055.1	6296.9	5726.2	5260.6	4822.5
-2.5°	82254.9	52204.7	30009.0	16296.0	10438.3	8360.5	7031.5	6280.7	5714.1	5250.2	4799.2
-5°	76836.7	48664.5	28050.0	15544.9	10200.9	8222.5	6961.0	6232.2	5677.9	5219.0	4729.5
-7.5°	68056.0	42893.9	24843.2	14311.6	9809.9	7995.0	6844.6	6152.1	5618.1	5167.3	4613.9
-10°	56237.2	35066.5	20468.1	12621.5	9272.4	7681.3	6683.7	6041.2	5535.0	5095.6	4453.2
-12.5°	44774.6	27389.7	15896.8	10514.1	8596.9	7285.7	6480.3	5900.6	5429.6	5004.4	4248.6
-15°	32357.3	20367.8	13160.3	9637.7	8014.2	6919.6	6251.6	5731.8	5302.8	4894.4	4001.6
-17.5°	23117.3	14806.0	10357.4	8638.6	7425.0	6614.8	6039.9	5571.3	5161.7	4686.0	3705.1
-20°	15364.1	11111.0	9159.7	7845.4	6894.0	6279.2	5801.9	5391.5	5005.1	4332.3	3308.5



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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°	11111.0	9335.9	8059.7	7073.4	6491.0	5997.1	5574.0	5196.7	4831.4	3939.4	2866.8
-25°	9159.7	8059.7	7176.5	6601.6	6116.6	5698.5	5341.9	4993.2	4381.9	3457.4	2445.1
-27.5°	7845.4	7073.4	6601.6	6156.8	5769.6	5433.0	5103.2	4705.2	3883.7	2893.9	2359.4
-30°	6894.0	6491.0	6116.6	5769.6	5463.7	5158.9	4855.2	4137.8	3266.8	2430.2	2267.6
-32.5°	6279.2	5997.1	5698.5	5433.0	5158.9	4882.3	4266.3	3493.7	2585.1	2325.9	2154.6
-35°	5801.9	5574.0	5341.9	5103.2	4855.2	4266.3	3569.8	2733.4	2361.3	2210.0	2030.6
-37.5°	5391.5	5196.7	4993.2	4705.2	4137.8	3493.7	2733.4	2373.1	2238.0	2071.6	1882.5
-40°	5005.1	4831.4	4381.9	3883.7	3266.8	2585.1	2361.3	2238.0	2085.3	1914.8	1719.5
-42.5°	4332.3	3939.4	3457.4	2893.9	2430.2	2325.9	2210.0	2071.6	1914.8	1735.4	1556.0
-45°	3308.5	2866.8	2445.1	2359.4	2267.6	2154.6	2030.6	1882.5	1719.5	1556.0	1388.7
-47.5°	2407.2	2340.5	2267.1	2175.7	2072.7	1957.6	1818.2	1672.4	1526.0	1376.7	1249.6
-50°	2210.6	2136.3	2054.6	1960.8	1845.8	1723.2	1597.2	1466.5	1341.1	1226.0	1105.6
-52.5°	1977.0	1894.7	1804.0	1705.3	1602.5	1493.7	1380.3	1282.2	1179.3	1069.9	955.4
-55°	1697.0	1624.0	1544.2	1457.2	1368.2	1287.1	1200.9	1108.9	1010.9	908.5	804.3
-57.5°	1426.9	1366.1	1307.1	1242.6	1173.0	1097.0	1015.5	929.5	840.4	747.8	654.8
-60°	1200.9	1152.3	1097.0	1036.6	971.3	901.3	828.3	751.0	669.7	602.0	531.8
-62.5°	976.8	931.5	881.9	828.3	770.2	707.8	646.9	591.2	532.6	471.0	405.3
-65°	753.7	713.9	669.7	631.1	589.7	545.2	497.8	446.7	392.3	335.3	277.6
-67.5°	559.9	531.8	500.7	466.3	428.4	387.7	344.2	298.0	256.7	216.2	173.9
-70°	381.3	355.9	327.8	297.0	267.9	239.4	208.9	176.6	142.5	118.7	99.7
-72.5°	217.8	200.3	181.0	159.8	136.7	121.3	107.9	93.7	78.7	62.9	51.3
-75°	102.2	94.7	86.4	77.3	67.3	56.7	51.0	47.4	43.7	39.7	35.6
-77.5°	46.4	44.6	42.6	40.4	38.0	35.4	32.6	30.2	28.6	27.0	25.3
-80°	27.9	27.2	26.4	25.5	24.6	23.6	22.5	21.3	20.1	18.9	18.0
-82.5°	17.9	17.5	17.1	16.6	16.1	15.6	15.0	14.4	13.7	13.0	12.3
-85°	10.7	10.6	10.4	10.2	10.0	9.8	9.6	9.3	9.1	8.8	8.5
-87.5°	6.1	6.0	5.9	5.8	5.6	5.5	5.3	5.2	5.0	4.8	4.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305379 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-40-70-3S-HEG-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	4.4	4.2	4.0	3.7	3.5	3.2	3.0	2.7	2.5	2.2	2.0
85°	8.2	7.9	7.5	7.2	6.9	6.5	6.0	5.5	5.0	4.4	3.9
82.5°	11.5	10.9	10.5	9.9	9.4	8.9	8.3	7.8	7.2	6.6	5.8
80°	16.9	15.9	14.8	13.6	12.4	11.3	10.5	9.8	9.0	8.2	7.4
77.5°	23.5	21.6	19.7	18.2	16.7	15.2	13.7	12.1	10.8	9.9	8.9
75°	31.3	28.8	26.5	24.1	21.6	19.2	17.3	15.4	13.5	11.6	10.3
72.5°	46.3	41.0	35.7	30.4	27.5	24.6	21.6	18.8	16.5	14.2	11.9
70°	80.0	59.5	48.9	42.6	36.0	30.0	26.6	23.1	19.5	16.9	14.2
67.5°	130.4	107.3	83.5	58.9	47.6	40.0	32.3	27.6	23.6	19.5	16.5
65°	228.6	177.8	128.1	100.7	72.7	50.6	42.0	33.3	27.6	23.1	18.8
62.5°	337.0	270.1	212.3	152.9	111.2	79.6	51.6	42.0	32.3	26.6	21.6
60°	458.5	381.3	301.6	233.2	166.8	114.7	79.6	50.6	40.0	30.0	24.6
57.5°	575.7	494.0	408.0	319.4	240.2	166.8	111.2	72.7	47.6	36.0	27.5
55°	696.3	602.2	511.5	417.0	319.4	233.2	152.9	100.7	58.9	42.6	30.4
52.5°	838.5	719.0	611.1	511.5	408.0	301.6	212.3	128.1	83.5	48.9	35.7
50°	979.0	849.9	719.0	602.2	494.0	381.3	270.1	177.8	107.3	59.5	41.0
47.5°	1117.5	979.0	838.5	696.3	575.7	458.5	337.0	228.6	130.4	80.0	46.3
45°	1249.6	1105.6	955.4	804.3	654.8	531.8	405.3	277.6	173.9	99.7	51.3
42.5°	1376.7	1226.0	1069.9	908.5	747.8	602.0	471.0	335.3	216.2	118.7	62.9
40°	1526.0	1341.1	1179.3	1010.9	840.4	669.7	532.6	392.3	256.7	142.5	78.7
37.5°	1672.4	1466.5	1282.2	1108.9	929.5	751.0	591.2	446.7	298.0	176.6	93.7
35°	1818.2	1597.2	1380.3	1200.9	1015.5	828.3	646.9	497.8	344.2	208.9	107.9
32.5°	1957.6	1723.2	1493.7	1287.1	1097.0	901.3	707.8	545.2	387.7	239.4	121.3
30°	2072.7	1845.8	1602.5	1368.2	1173.0	971.3	770.2	589.7	428.4	267.9	136.7
27.5°	2175.7	1960.8	1705.3	1457.2	1242.6	1036.6	828.3	631.1	466.3	297.0	159.8
25°	2267.1	2054.6	1804.0	1544.2	1307.1	1097.0	881.9	669.7	500.7	327.8	181.0
22.5°	2340.5	2136.3	1894.7	1624.0	1366.1	1152.3	931.5	713.9	531.8	355.9	200.3
20°	2407.2	2210.6	1977.0	1697.0	1426.9	1200.9	976.8	753.7	559.9	381.3	217.8
17.5°	2516.9	2271.7	2040.3	1764.4	1485.9	1244.3	1017.1	789.2	584.9	403.8	233.2
15°	2838.8	2320.1	2093.9	1823.5	1537.5	1282.2	1052.3	820.1	606.7	423.5	246.7
12.5°	3114.7	2361.5	2139.8	1873.9	1581.6	1314.5	1082.3	846.5	625.2	440.2	258.2
10°	3342.8	2395.7	2177.6	1915.5	1617.8	1341.1	1106.9	868.1	640.4	453.9	267.7
7.5°	3521.8	2422.6	2207.2	1948.0	1646.2	1361.8	1126.2	885.1	652.3	464.7	275.0
5°	3650.4	2441.8	2228.4	1971.4	1666.6	1376.7	1140.0	897.2	660.9	472.3	280.3
2.5°	3728.0	2453.4	2241.2	1985.4	1678.8	1385.7	1148.3	904.5	666.0	477.0	283.4
0°	3753.9	2457.3	2245.5	1990.1	1682.9	1388.7	1151.1	906.9	667.7	478.5	284.5
-2.5°	3728.0	2453.4	2241.2	1985.4	1678.8	1385.7	1148.3	904.5	666.0	477.0	283.4
-5°	3650.4	2441.8	2228.4	1971.4	1666.6	1376.7	1140.0	897.2	660.9	472.3	280.3
-7.5°	3521.8	2422.6	2207.2	1948.0	1646.2	1361.8	1126.2	885.1	652.3	464.7	275.0
-10°	3342.8	2395.7	2177.6	1915.5	1617.8	1341.1	1106.9	868.1	640.4	453.9	267.7
-12.5°	3114.7	2361.5	2139.8	1873.9	1581.6	1314.5	1082.3	846.5	625.2	440.2	258.2
-15°	2838.8	2320.1	2093.9	1823.5	1537.5	1282.2	1052.3	820.1	606.7	423.5	246.7
-17.5°	2516.9	2271.7	2040.3	1764.4	1485.9	1244.3	1017.1	789.2	584.9	403.8	233.2
-20°	2407.2	2210.6	1977.0	1697.0	1426.9	1200.9	976.8	753.7	559.9	381.3	217.8



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2340.5	2136.3	1894.7	1624.0	1366.1	1152.3	931.5	713.9	531.8	355.9	200.3
-25°	2267.1	2054.6	1804.0	1544.2	1307.1	1097.0	881.9	669.7	500.7	327.8	181.0
-27.5°	2175.7	1960.8	1705.3	1457.2	1242.6	1036.6	828.3	631.1	466.3	297.0	159.8
-30°	2072.7	1845.8	1602.5	1368.2	1173.0	971.3	770.2	589.7	428.4	267.9	136.7
-32.5°	1957.6	1723.2	1493.7	1287.1	1097.0	901.3	707.8	545.2	387.7	239.4	121.3
-35°	1818.2	1597.2	1380.3	1200.9	1015.5	828.3	646.9	497.8	344.2	208.9	107.9
-37.5°	1672.4	1466.5	1282.2	1108.9	929.5	751.0	591.2	446.7	298.0	176.6	93.7
-40°	1526.0	1341.1	1179.3	1010.9	840.4	669.7	532.6	392.3	256.7	142.5	78.7
-42.5°	1376.7	1226.0	1069.9	908.5	747.8	602.0	471.0	335.3	216.2	118.7	62.9
-45°	1249.6	1105.6	955.4	804.3	654.8	531.8	405.3	277.6	173.9	99.7	51.3
-47.5°	1117.5	979.0	838.5	696.3	575.7	458.5	337.0	228.6	130.4	80.0	46.3
-50°	979.0	849.9	719.0	602.2	494.0	381.3	270.1	177.8	107.3	59.5	41.0
-52.5°	838.5	719.0	611.1	511.5	408.0	301.6	212.3	128.1	83.5	48.9	35.7
-55°	696.3	602.2	511.5	417.0	319.4	233.2	152.9	100.7	58.9	42.6	30.4
-57.5°	575.7	494.0	408.0	319.4	240.2	166.8	111.2	72.7	47.6	36.0	27.5
-60°	458.5	381.3	301.6	233.2	166.8	114.7	79.6	50.6	40.0	30.0	24.6
-62.5°	337.0	270.1	212.3	152.9	111.2	79.6	51.6	42.0	32.3	26.6	21.6
-65°	228.6	177.8	128.1	100.7	72.7	50.6	42.0	33.3	27.6	23.1	18.8
-67.5°	130.4	107.3	83.5	58.9	47.6	40.0	32.3	27.6	23.6	19.5	16.5
-70°	80.0	59.5	48.9	42.6	36.0	30.0	26.6	23.1	19.5	16.9	14.2
-72.5°	46.3	41.0	35.7	30.4	27.5	24.6	21.6	18.8	16.5	14.2	11.9
-75°	31.3	28.8	26.5	24.1	21.6	19.2	17.3	15.4	13.5	11.6	10.3
-77.5°	23.5	21.6	19.7	18.2	16.7	15.2	13.7	12.1	10.8	9.9	8.9
-80°	16.9	15.9	14.8	13.6	12.4	11.3	10.5	9.8	9.0	8.2	7.4
-82.5°	11.5	10.9	10.5	9.9	9.4	8.9	8.3	7.8	7.2	6.6	5.8
-85°	8.2	7.9	7.5	7.2	6.9	6.5	6.0	5.5	5.0	4.4	3.9
-87.5°	4.4	4.2	4.0	3.7	3.5	3.2	3.0	2.7	2.5	2.2	2.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.7	1.4	1.1	0.8	0.6	0.3	0.0
85°	3.4	2.8	2.3	1.7	1.1	0.6	0.0
82.5°	5.0	4.2	3.4	2.5	1.7	0.8	0.0
80°	6.6	5.6	4.5	3.4	2.3	1.1	0.0
77.5°	7.9	6.9	5.6	4.2	2.8	1.4	0.0
75°	9.1	7.9	6.6	5.0	3.4	1.7	0.0
72.5°	10.3	8.9	7.4	5.8	3.9	2.0	0.0
70°	11.6	9.9	8.2	6.6	4.4	2.2	0.0
67.5°	13.5	10.8	9.0	7.2	5.0	2.5	0.0
65°	15.4	12.1	9.8	7.8	5.5	2.7	0.0
62.5°	17.3	13.7	10.5	8.3	6.0	3.0	0.0
60°	19.2	15.2	11.3	8.9	6.5	3.2	0.0
57.5°	21.6	16.7	12.4	9.4	6.9	3.5	0.0
55°	24.1	18.2	13.6	9.9	7.2	3.7	0.0
52.5°	26.5	19.7	14.8	10.5	7.5	4.0	0.0
50°	28.8	21.6	15.9	10.9	7.9	4.2	0.0
47.5°	31.3	23.5	16.9	11.5	8.2	4.4	0.0
45°	35.6	25.3	18.0	12.3	8.5	4.6	0.0
42.5°	39.7	27.0	18.9	13.0	8.8	4.8	0.0
40°	43.7	28.6	20.1	13.7	9.1	5.0	0.0
37.5°	47.4	30.2	21.3	14.4	9.3	5.2	0.0
35°	51.0	32.6	22.5	15.0	9.6	5.3	0.0
32.5°	56.7	35.4	23.6	15.6	9.8	5.5	0.0
30°	67.3	38.0	24.6	16.1	10.0	5.6	0.0
27.5°	77.3	40.4	25.5	16.6	10.2	5.8	0.0
25°	86.4	42.6	26.4	17.1	10.4	5.9	0.0
22.5°	94.7	44.6	27.2	17.5	10.6	6.0	0.0
20°	102.2	46.4	27.9	17.9	10.7	6.1	0.0
17.5°	108.9	48.0	28.6	18.3	10.9	6.2	0.0
15°	114.7	49.4	29.1	18.6	11.0	6.3	0.0
12.5°	119.6	50.6	29.6	18.8	11.1	6.3	0.0
10°	123.7	51.6	30.0	19.0	11.2	6.4	0.0
7.5°	126.8	52.3	30.3	19.2	11.2	6.4	0.0
5°	129.1	52.9	30.5	19.3	11.3	6.5	0.0
2.5°	130.4	53.2	30.7	19.4	11.3	6.5	0.0
0°	130.9	53.3	30.7	19.4	11.3	6.5	0.0
-2.5°	130.4	53.2	30.7	19.4	11.3	6.5	0.0
-5°	129.1	52.9	30.5	19.3	11.3	6.5	0.0
-7.5°	126.8	52.3	30.3	19.2	11.2	6.4	0.0
-10°	123.7	51.6	30.0	19.0	11.2	6.4	0.0
-12.5°	119.6	50.6	29.6	18.8	11.1	6.3	0.0
-15°	114.7	49.4	29.1	18.6	11.0	6.3	0.0
-17.5°	108.9	48.0	28.6	18.3	10.9	6.2	0.0
-20°	102.2	46.4	27.9	17.9	10.7	6.1	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	94.7	44.6	27.2	17.5	10.6	6.0	0.0
-25°	86.4	42.6	26.4	17.1	10.4	5.9	0.0
-27.5°	77.3	40.4	25.5	16.6	10.2	5.8	0.0
-30°	67.3	38.0	24.6	16.1	10.0	5.6	0.0
-32.5°	56.7	35.4	23.6	15.6	9.8	5.5	0.0
-35°	51.0	32.6	22.5	15.0	9.6	5.3	0.0
-37.5°	47.4	30.2	21.3	14.4	9.3	5.2	0.0
-40°	43.7	28.6	20.1	13.7	9.1	5.0	0.0
-42.5°	39.7	27.0	18.9	13.0	8.8	4.8	0.0
-45°	35.6	25.3	18.0	12.3	8.5	4.6	0.0
-47.5°	31.3	23.5	16.9	11.5	8.2	4.4	0.0
-50°	28.8	21.6	15.9	10.9	7.9	4.2	0.0
-52.5°	26.5	19.7	14.8	10.5	7.5	4.0	0.0
-55°	24.1	18.2	13.6	9.9	7.2	3.7	0.0
-57.5°	21.6	16.7	12.4	9.4	6.9	3.5	0.0
-60°	19.2	15.2	11.3	8.9	6.5	3.2	0.0
-62.5°	17.3	13.7	10.5	8.3	6.0	3.0	0.0
-65°	15.4	12.1	9.8	7.8	5.5	2.7	0.0
-67.5°	13.5	10.8	9.0	7.2	5.0	2.5	0.0
-70°	11.6	9.9	8.2	6.6	4.4	2.2	0.0
-72.5°	10.3	8.9	7.4	5.8	3.9	2.0	0.0
-75°	9.1	7.9	6.6	5.0	3.4	1.7	0.0
-77.5°	7.9	6.9	5.6	4.2	2.8	1.4	0.0
-80°	6.6	5.6	4.5	3.4	2.3	1.1	0.0
-82.5°	5.0	4.2	3.4	2.5	1.7	0.8	0.0
-85°	3.4	2.8	2.3	1.7	1.1	0.6	0.0
-87.5°	1.7	1.4	1.1	0.8	0.6	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)