

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: P1305410 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-57-80-4S-HEG-A**

Issue Date: 2/3/2026

Test Information

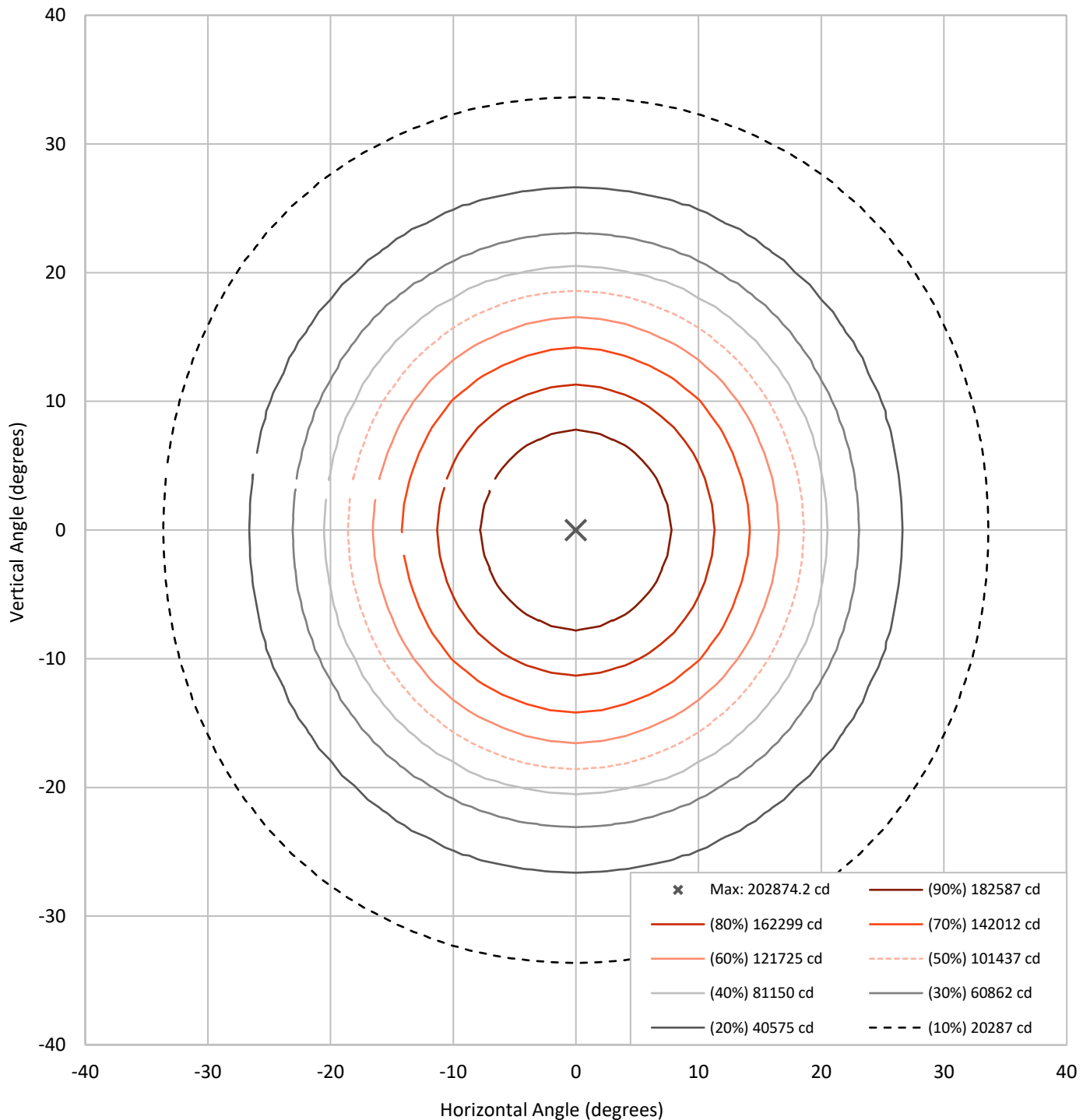
Test Method: LM-79-08
Report Number: P1305410 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-4)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-640L-57-80-4S-HEG-A
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 4S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	93689.2 lumens	Max Intensity:	202874.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	144.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	37.2°H x 37.2°V	Field Angle (10%):	67.2°H x 67.2°V
Beam Lumens:	48773.8 lumens	Field Lumens:	81931.7 lumens
Beam Efficiency:	52.1%	Field Efficiency:	87.5%
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





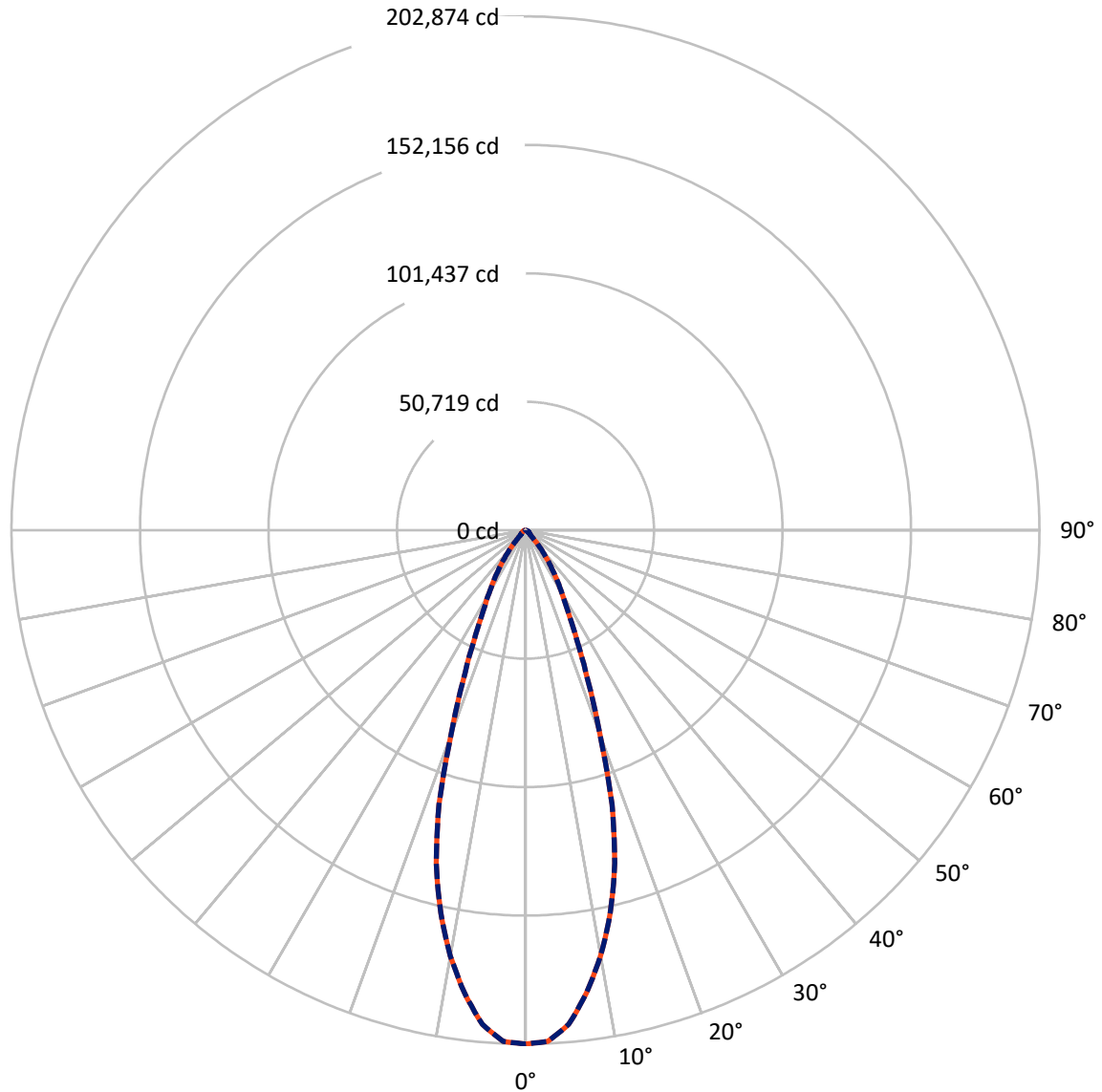
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Lumen Table

90	0.1	0.7	2.8	6.7	8.7	6.7	2.8	0.7	0.1							
80	0.1	0.7	2.8	6.7	8.7	6.7	2.8	0.7	0.1							
70	0.3	0.4	1.7	4.7	9.7	15.8	21.2	24.2	24.2	21.2	15.8	9.7	4.7	1.7	0.4	0.3
60		1.3	5.5	15.1	27.7	38.9	47.2	51.7	51.7	47.2	38.9	27.7	15.1	5.5	1.3	
50	0.9	2.9	12.3	28.1	43.7	60.6	87.0	114.8	114.8	87.0	60.6	43.7	28.1	12.3	2.9	0.9
40		5.2	19.6	37.8	65.5	176.2	372.9	517.3	517.3	372.9	176.2	65.5	37.8	19.6	5.2	
30	1.9	7.7	24.9	47.5	160.5	501.4	980.5	1458.0	1458.0	980.5	501.4	160.5	47.5	24.9	7.7	1.9
20		9.6	28.2	64.5	319.4	923.2	2286.4	3753.2	3753.2	2286.4	923.2	319.4	64.5	28.2	9.6	
10	2.4	10.6	30.1	83.1	429.9	1335.0	3647.2	5493.7	5493.7	3647.2	1335.0	429.9	83.1	30.1	10.6	2.4
0		10.6	30.1	83.1	429.9	1335.0	3647.2	5493.7	5493.7	3647.2	1335.0	429.9	83.1	30.1	10.6	
-10	1.9	9.6	28.2	64.5	319.4	923.2	2286.4	3753.2	3753.2	2286.4	923.2	319.4	64.5	28.2	9.6	1.9
-20		7.7	24.9	47.5	160.5	501.4	980.5	1458.0	1458.0	980.5	501.4	160.5	47.5	24.9	7.7	
-30	0.9	5.2	19.6	37.8	65.5	176.2	372.9	517.3	517.3	372.9	176.2	65.5	37.8	19.6	5.2	0.9
-40		2.9	12.3	28.1	43.7	60.6	87.0	114.8	114.8	87.0	60.6	43.7	28.1	12.3	2.9	
-50	0.3	1.3	5.5	15.1	27.7	38.9	47.2	51.7	51.7	47.2	38.9	27.7	15.1	5.5	1.3	0.3
-60		0.4	1.7	4.7	9.7	15.8	21.2	24.2	24.2	21.2	15.8	9.7	4.7	1.7	0.4	
-70	0.1	0.4	1.7	4.7	9.7	15.8	21.2	24.2	24.2	21.2	15.8	9.7	4.7	1.7	0.4	0.1
-80		0.1	0.7	2.8	6.7	8.7	6.7	2.8	0.7	0.1						
-90	0.1	0.7	2.8	6.7	8.7	6.7	2.8	0.7	0.1							

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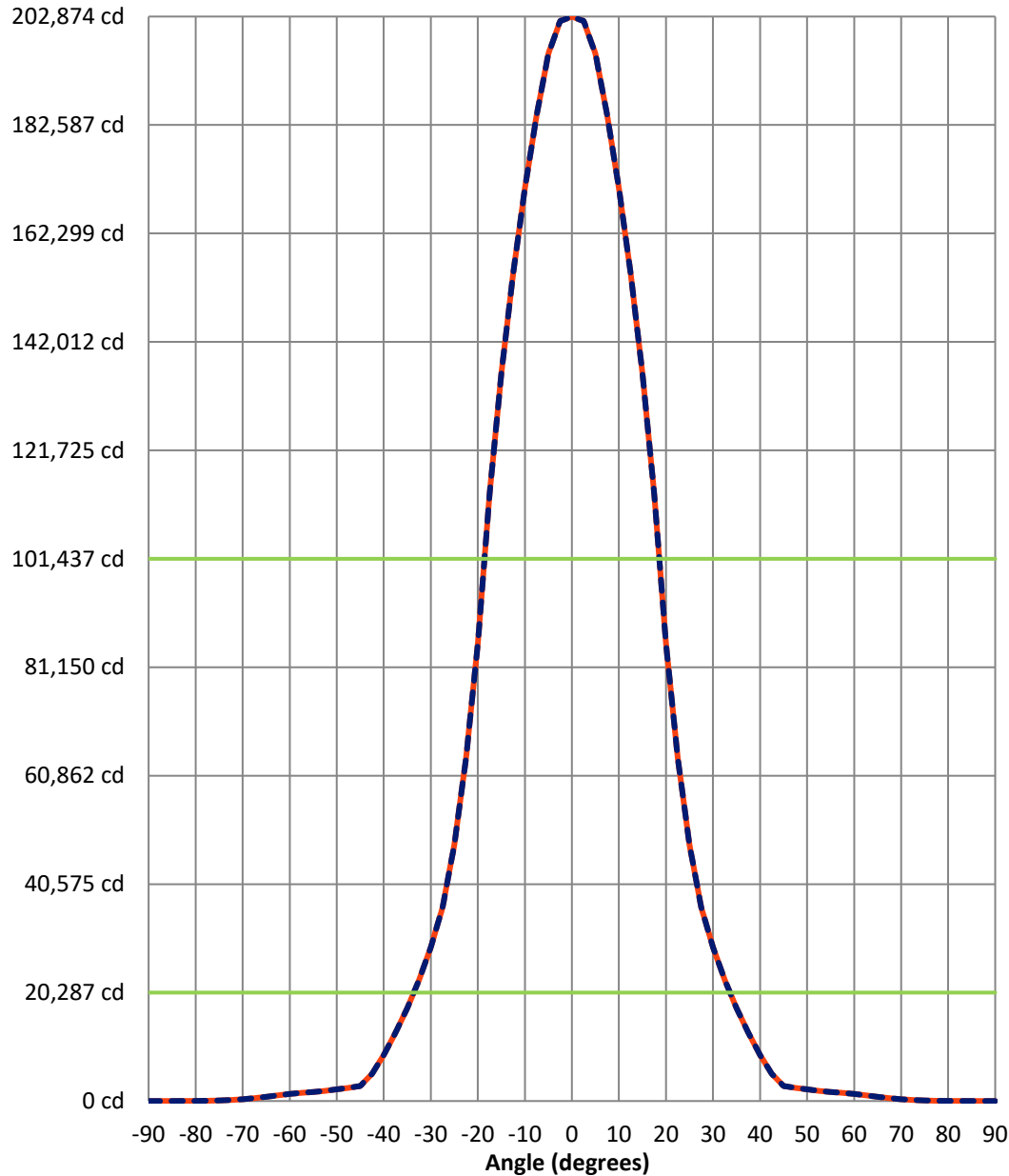
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 37.2°
 V Angle: 37.2°
 Lumens: 48773.8
 Efficiency: 52.1%

Field:
 H Angle: 67.2°
 V Angle: 67.2°
 Lumens: 81931.7
 Efficiency: 87.5%

Spill:
 Lumens: 11757.5
 Efficiency: 12.5%

— 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	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	2.0
85°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
82.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	5.9
80°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.4	7.2	7.9
77.5°	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	10.2
75°	0.0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	11.5	13.4
72.5°	0.0	1.4	2.8	4.2	5.6	7.0	8.4	10.0	12.2	14.4	16.6
70°	0.0	1.6	3.2	4.8	6.4	8.0	9.6	12.2	14.8	17.3	19.7
67.5°	0.0	1.8	3.6	5.4	7.2	8.9	11.5	14.4	17.3	20.1	22.8
65°	0.0	2.0	4.0	5.9	7.9	10.2	13.4	16.6	19.7	22.8	27.9
62.5°	0.0	2.2	4.3	6.5	8.6	11.7	15.2	18.7	22.2	26.8	37.5
60°	0.0	2.3	4.7	7.0	9.4	13.2	17.0	20.8	24.5	35.3	46.9
57.5°	0.0	2.5	5.0	7.6	10.5	14.6	18.7	22.8	30.9	43.6	65.1
55°	0.0	2.7	5.4	8.1	11.6	16.0	20.4	24.8	38.1	54.3	87.1
52.5°	0.0	2.9	5.7	8.6	12.7	17.4	22.1	30.5	45.1	73.5	108.5
50°	0.0	3.0	6.0	9.0	13.8	18.8	23.7	36.4	54.8	92.2	136.4
47.5°	0.0	3.2	6.3	9.6	14.8	20.0	25.7	42.1	70.8	110.3	164.3
45°	0.0	3.3	6.6	10.3	15.8	21.3	30.4	47.7	86.3	134.3	191.2
42.5°	0.0	3.5	6.9	11.0	16.7	22.4	35.0	57.4	101.1	157.5	232.6
40°	0.0	3.6	7.2	11.7	17.7	23.6	39.3	69.8	117.1	179.7	274.7
37.5°	0.0	3.7	7.5	12.3	18.5	24.6	43.4	81.6	135.8	205.0	314.9
35°	0.0	3.8	7.7	13.0	19.3	27.1	47.3	92.7	153.5	239.1	359.3
32.5°	0.0	4.0	7.9	13.5	20.1	30.2	52.5	103.2	170.2	271.3	411.0
30°	0.0	4.1	8.1	14.1	20.8	33.0	60.9	113.9	185.9	301.4	459.4
27.5°	0.0	4.2	8.3	14.5	21.4	35.6	68.7	126.5	204.2	329.4	504.4
25°	0.0	4.3	8.5	15.0	22.1	38.1	75.8	138.2	227.0	362.6	546.4
22.5°	0.0	4.3	8.7	15.4	22.6	40.3	82.4	148.8	247.8	396.4	592.2
20°	0.0	4.4	8.8	15.8	23.1	42.3	88.2	158.4	266.5	427.0	633.5
17.5°	0.0	4.5	9.0	16.1	23.5	44.1	93.4	166.9	283.2	454.2	670.2
15°	0.0	4.5	9.1	16.4	23.9	45.6	98.0	174.3	297.7	477.9	702.3
12.5°	0.0	4.6	9.2	16.6	24.3	46.9	101.9	180.6	310.1	498.1	729.6
10°	0.0	4.6	9.3	16.8	24.5	48.0	105.0	185.8	320.2	514.6	752.1
7.5°	0.0	4.7	9.3	17.0	24.7	48.8	107.5	189.8	328.2	527.6	769.6
5°	0.0	4.7	9.4	17.1	24.9	49.4	109.3	192.7	333.8	536.9	782.2
2.5°	0.0	4.7	9.4	17.2	25.0	49.8	110.3	194.4	337.3	542.4	789.8
0°	0.0	4.7	9.4	17.2	25.0	49.9	110.7	195.0	338.4	544.3	792.3
-2.5°	0.0	4.7	9.4	17.2	25.0	49.8	110.3	194.4	337.3	542.4	789.8
-5°	0.0	4.7	9.4	17.1	24.9	49.4	109.3	192.7	333.8	536.9	782.2
-7.5°	0.0	4.7	9.3	17.0	24.7	48.8	107.5	189.8	328.2	527.6	769.6
-10°	0.0	4.6	9.3	16.8	24.5	48.0	105.0	185.8	320.2	514.6	752.1
-12.5°	0.0	4.6	9.2	16.6	24.3	46.9	101.9	180.6	310.1	498.1	729.6
-15°	0.0	4.5	9.1	16.4	23.9	45.6	98.0	174.3	297.7	477.9	702.3
-17.5°	0.0	4.5	9.0	16.1	23.5	44.1	93.4	166.9	283.2	454.2	670.2
-20°	0.0	4.4	8.8	15.8	23.1	42.3	88.2	158.4	266.5	427.0	633.5



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 CATALOG NUMBER: EPH-08-640L-57-80-4S-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	4.3	8.7	15.4	22.6	40.3	82.4	148.8	247.8	396.4	592.2
-25°	0.0	4.3	8.5	15.0	22.1	38.1	75.8	138.2	227.0	362.6	546.4
-27.5°	0.0	4.2	8.3	14.5	21.4	35.6	68.7	126.5	204.2	329.4	504.4
-30°	0.0	4.1	8.1	14.1	20.8	33.0	60.9	113.9	185.9	301.4	459.4
-32.5°	0.0	4.0	7.9	13.5	20.1	30.2	52.5	103.2	170.2	271.3	411.0
-35°	0.0	3.8	7.7	13.0	19.3	27.1	47.3	92.7	153.5	239.1	359.3
-37.5°	0.0	3.7	7.5	12.3	18.5	24.6	43.4	81.6	135.8	205.0	314.9
-40°	0.0	3.6	7.2	11.7	17.7	23.6	39.3	69.8	117.1	179.7	274.7
-42.5°	0.0	3.5	6.9	11.0	16.7	22.4	35.0	57.4	101.1	157.5	232.6
-45°	0.0	3.3	6.6	10.3	15.8	21.3	30.4	47.7	86.3	134.3	191.2
-47.5°	0.0	3.2	6.3	9.6	14.8	20.0	25.7	42.1	70.8	110.3	164.3
-50°	0.0	3.0	6.0	9.0	13.8	18.8	23.7	36.4	54.8	92.2	136.4
-52.5°	0.0	2.9	5.7	8.6	12.7	17.4	22.1	30.5	45.1	73.5	108.5
-55°	0.0	2.7	5.4	8.1	11.6	16.0	20.4	24.8	38.1	54.3	87.1
-57.5°	0.0	2.5	5.0	7.6	10.5	14.6	18.7	22.8	30.9	43.6	65.1
-60°	0.0	2.3	4.7	7.0	9.4	13.2	17.0	20.8	24.5	35.3	46.9
-62.5°	0.0	2.2	4.3	6.5	8.6	11.7	15.2	18.7	22.2	26.8	37.5
-65°	0.0	2.0	4.0	5.9	7.9	10.2	13.4	16.6	19.7	22.8	27.9
-67.5°	0.0	1.8	3.6	5.4	7.2	8.9	11.5	14.4	17.3	20.1	22.8
-70°	0.0	1.6	3.2	4.8	6.4	8.0	9.6	12.2	14.8	17.3	19.7
-72.5°	0.0	1.4	2.8	4.2	5.6	7.0	8.4	10.0	12.2	14.4	16.6
-75°	0.0	1.2	2.4	3.6	4.8	6.0	7.2	8.4	9.6	11.5	13.4
-77.5°	0.0	1.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	8.9	10.2
-80°	0.0	0.8	1.6	2.4	3.2	4.0	4.8	5.6	6.4	7.2	7.9
-82.5°	0.0	0.6	1.2	1.8	2.4	3.0	3.6	4.2	4.8	5.4	5.9
-85°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.2	3.6	4.0
-87.5°	0.0	0.2	0.4	0.6	0.8	1.0	1.2	1.4	1.6	1.8	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):

	-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°	2.2	2.3	2.5	2.7	2.9	3.0	3.2	3.3	3.5	3.6	3.7
85°	4.3	4.7	5.0	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5
82.5°	6.5	7.0	7.6	8.1	8.6	9.0	9.6	10.3	11.0	11.7	12.3
80°	8.6	9.4	10.5	11.6	12.7	13.8	14.8	15.8	16.7	17.7	18.5
77.5°	11.7	13.2	14.6	16.0	17.4	18.8	20.0	21.3	22.4	23.6	24.6
75°	15.2	17.0	18.7	20.4	22.1	23.7	25.7	30.4	35.0	39.3	43.4
72.5°	18.7	20.8	22.8	24.8	30.5	36.4	42.1	47.7	57.4	69.8	81.6
70°	22.2	24.5	30.9	38.1	45.1	54.8	70.8	86.3	101.1	117.1	135.8
67.5°	26.8	35.3	43.6	54.3	73.5	92.2	110.3	134.3	157.5	179.7	205.0
65°	37.5	46.9	65.1	87.1	108.5	136.4	164.3	191.2	232.6	274.7	314.9
62.5°	48.0	70.5	95.3	122.8	155.4	187.1	233.8	284.3	332.9	397.3	461.1
60°	70.5	98.0	130.4	166.9	207.7	266.5	323.6	396.4	472.8	546.4	630.7
57.5°	95.3	130.4	170.7	220.8	286.3	355.2	444.2	530.2	627.3	723.4	817.8
55°	122.8	166.9	220.8	292.9	374.4	473.0	574.0	685.9	794.2	909.8	1020.6
52.5°	155.4	207.7	286.3	374.4	482.7	597.4	721.4	847.1	976.5	1099.8	1214.6
50°	187.1	266.5	355.2	473.0	597.4	733.2	873.8	1016.9	1152.0	1280.3	1387.1
47.5°	233.8	323.6	444.2	574.0	721.4	873.8	1030.4	1178.2	1320.2	1428.1	1528.9
45°	284.3	396.4	530.2	685.9	847.1	1016.9	1178.2	1333.5	1448.8	1555.0	1638.5
42.5°	332.9	472.8	627.3	794.2	976.5	1152.0	1320.2	1448.8	1563.1	1655.1	1760.4
40°	397.3	546.4	723.4	909.8	1099.8	1280.3	1428.1	1555.0	1655.1	1771.6	1896.6
37.5°	461.1	630.7	817.8	1020.6	1214.6	1387.1	1528.9	1638.5	1760.4	1896.6	2080.4
35°	521.6	710.8	915.1	1123.9	1324.2	1477.2	1605.6	1726.8	1873.7	2063.8	2253.6
32.5°	585.9	786.5	1007.2	1220.1	1405.8	1556.9	1677.0	1828.3	2014.6	2223.5	2408.2
30°	650.5	865.0	1092.8	1310.6	1480.8	1619.7	1761.3	1933.5	2159.8	2362.1	2591.1
27.5°	710.8	938.9	1170.5	1380.7	1547.7	1678.7	1845.6	2061.3	2286.3	2505.1	2783.2
25°	766.4	1007.2	1242.4	1440.6	1598.3	1746.5	1932.8	2180.5	2400.8	2673.7	3705.6
22.5°	820.1	1069.6	1308.3	1495.6	1644.8	1813.4	2034.9	2280.7	2523.9	2868.9	4758.5
20°	871.3	1123.9	1359.8	1543.4	1687.0	1874.2	2127.8	2370.5	2656.9	3767.2	6082.9
17.5°	916.8	1172.3	1400.5	1578.0	1734.8	1939.2	2209.6	2451.2	2776.7	4577.6	7448.5
15°	956.6	1214.6	1436.0	1608.3	1778.7	2006.6	2275.1	2545.0	3195.0	5409.3	8665.7
12.5°	990.5	1250.6	1466.4	1634.1	1816.2	2064.2	2331.2	2628.6	3763.8	6372.6	9899.6
10°	1018.4	1280.3	1491.4	1655.4	1847.1	2111.8	2377.5	2697.9	4235.6	7172.9	10927.2
7.5°	1040.2	1303.5	1510.9	1672.1	1871.3	2149.1	2413.9	2752.3	4606.6	7803.4	11738.2
5°	1055.8	1320.2	1524.9	1684.1	1888.7	2176.0	2440.1	2791.4	4873.8	8258.1	12323.9
2.5°	1065.2	1330.2	1533.4	1691.3	1899.2	2192.1	2455.8	2815.0	5035.1	8532.8	12678.1
0°	1068.3	1333.5	1536.2	1693.7	1902.7	2197.5	2461.1	2822.9	5089.0	8624.6	12796.6
-2.5°	1065.2	1330.2	1533.4	1691.3	1899.2	2192.1	2455.8	2815.0	5035.1	8532.8	12678.1
-5°	1055.8	1320.2	1524.9	1684.1	1888.7	2176.0	2440.1	2791.4	4873.8	8258.1	12323.9
-7.5°	1040.2	1303.5	1510.9	1672.1	1871.3	2149.1	2413.9	2752.3	4606.6	7803.4	11738.2
-10°	1018.4	1280.3	1491.4	1655.4	1847.1	2111.8	2377.5	2697.9	4235.6	7172.9	10927.2
-12.5°	990.5	1250.6	1466.4	1634.1	1816.2	2064.2	2331.2	2628.6	3763.8	6372.6	9899.6
-15°	956.6	1214.6	1436.0	1608.3	1778.7	2006.6	2275.1	2545.0	3195.0	5409.3	8665.7
-17.5°	916.8	1172.3	1400.5	1578.0	1734.8	1939.2	2209.6	2451.2	2776.7	4577.6	7448.5
-20°	871.3	1123.9	1359.8	1543.4	1687.0	1874.2	2127.8	2370.5	2656.9	3767.2	6082.9



REPORT NUMBER: P1305410 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	820.1	1069.6	1308.3	1495.6	1644.8	1813.4	2034.9	2280.7	2523.9	2868.9	4758.5
-25°	766.4	1007.2	1242.4	1440.6	1598.3	1746.5	1932.8	2180.5	2400.8	2673.7	3705.6
-27.5°	710.8	938.9	1170.5	1380.7	1547.7	1678.7	1845.6	2061.3	2286.3	2505.1	2783.2
-30°	650.5	865.0	1092.8	1310.6	1480.8	1619.7	1761.3	1933.5	2159.8	2362.1	2591.1
-32.5°	585.9	786.5	1007.2	1220.1	1405.8	1556.9	1677.0	1828.3	2014.6	2223.5	2408.2
-35°	521.6	710.8	915.1	1123.9	1324.2	1477.2	1605.6	1726.8	1873.7	2063.8	2253.6
-37.5°	461.1	630.7	817.8	1020.6	1214.6	1387.1	1528.9	1638.5	1760.4	1896.6	2080.4
-40°	397.3	546.4	723.4	909.8	1099.8	1280.3	1428.1	1555.0	1655.1	1771.6	1896.6
-42.5°	332.9	472.8	627.3	794.2	976.5	1152.0	1320.2	1448.8	1563.1	1655.1	1760.4
-45°	284.3	396.4	530.2	685.9	847.1	1016.9	1178.2	1333.5	1448.8	1555.0	1638.5
-47.5°	233.8	323.6	444.2	574.0	721.4	873.8	1030.4	1178.2	1320.2	1428.1	1528.9
-50°	187.1	266.5	355.2	473.0	597.4	733.2	873.8	1016.9	1152.0	1280.3	1387.1
-52.5°	155.4	207.7	286.3	374.4	482.7	597.4	721.4	847.1	976.5	1099.8	1214.6
-55°	122.8	166.9	220.8	292.9	374.4	473.0	574.0	685.9	794.2	909.8	1020.6
-57.5°	95.3	130.4	170.7	220.8	286.3	355.2	444.2	530.2	627.3	723.4	817.8
-60°	70.5	98.0	130.4	166.9	207.7	266.5	323.6	396.4	472.8	546.4	630.7
-62.5°	48.0	70.5	95.3	122.8	155.4	187.1	233.8	284.3	332.9	397.3	461.1
-65°	37.5	46.9	65.1	87.1	108.5	136.4	164.3	191.2	232.6	274.7	314.9
-67.5°	26.8	35.3	43.6	54.3	73.5	92.2	110.3	134.3	157.5	179.7	205.0
-70°	22.2	24.5	30.9	38.1	45.1	54.8	70.8	86.3	101.1	117.1	135.8
-72.5°	18.7	20.8	22.8	24.8	30.5	36.4	42.1	47.7	57.4	69.8	81.6
-75°	15.2	17.0	18.7	20.4	22.1	23.7	25.7	30.4	35.0	39.3	43.4
-77.5°	11.7	13.2	14.6	16.0	17.4	18.8	20.0	21.3	22.4	23.6	24.6
-80°	8.6	9.4	10.5	11.6	12.7	13.8	14.8	15.8	16.7	17.7	18.5
-82.5°	6.5	7.0	7.6	8.1	8.6	9.0	9.6	10.3	11.0	11.7	12.3
-85°	4.3	4.7	5.0	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5
-87.5°	2.2	2.3	2.5	2.7	2.9	3.0	3.2	3.3	3.5	3.6	3.7
-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°	3.8	4.0	4.1	4.2	4.3	4.3	4.4	4.5	4.5	4.6	4.6
85°	7.7	7.9	8.1	8.3	8.5	8.7	8.8	9.0	9.1	9.2	9.3
82.5°	13.0	13.5	14.1	14.5	15.0	15.4	15.8	16.1	16.4	16.6	16.8
80°	19.3	20.1	20.8	21.4	22.1	22.6	23.1	23.5	23.9	24.3	24.5
77.5°	27.1	30.2	33.0	35.6	38.1	40.3	42.3	44.1	45.6	46.9	48.0
75°	47.3	52.5	60.9	68.7	75.8	82.4	88.2	93.4	98.0	101.9	105.0
72.5°	92.7	103.2	113.9	126.5	138.2	148.8	158.4	166.9	174.3	180.6	185.8
70°	153.5	170.2	185.9	204.2	227.0	247.8	266.5	283.2	297.7	310.1	320.2
67.5°	239.1	271.3	301.4	329.4	362.6	396.4	427.0	454.2	477.9	498.1	514.6
65°	359.3	411.0	459.4	504.4	546.4	592.2	633.5	670.2	702.3	729.6	752.1
62.5°	521.6	585.9	650.5	710.8	766.4	820.1	871.3	916.8	956.6	990.5	1018.4
60°	710.8	786.5	865.0	938.9	1007.2	1069.6	1123.9	1172.3	1214.6	1250.6	1280.3
57.5°	915.1	1007.2	1092.8	1170.5	1242.4	1308.3	1359.8	1400.5	1436.0	1466.4	1491.4
55°	1123.9	1220.1	1310.6	1380.7	1440.6	1495.6	1543.4	1578.0	1608.3	1634.1	1655.4
52.5°	1324.2	1405.8	1480.8	1547.7	1598.3	1644.8	1687.0	1734.8	1778.7	1816.2	1847.1
50°	1477.2	1556.9	1619.7	1678.7	1746.5	1813.4	1874.2	1939.2	2006.6	2064.2	2111.8
47.5°	1605.6	1677.0	1761.3	1845.6	1932.8	2034.9	2127.8	2209.6	2275.1	2331.2	2377.5
45°	1726.8	1828.3	1933.5	2061.3	2180.5	2280.7	2370.5	2451.2	2545.0	2628.6	2697.9
42.5°	1873.7	2014.6	2159.8	2286.3	2400.8	2523.9	2656.9	2776.7	3195.0	3763.8	4235.6
40°	2063.8	2223.5	2362.1	2505.1	2673.7	2868.9	3767.2	4577.6	5409.3	6372.6	7172.9
37.5°	2253.6	2408.2	2591.1	2783.2	3705.6	4758.5	6082.9	7448.5	8665.7	9899.6	10927.2
35°	2423.7	2634.6	2992.1	4274.9	5706.4	7468.8	9177.9	10917.8	12465.4	13908.1	15140.7
32.5°	2634.6	3132.5	4563.1	6398.3	8414.1	10604.9	12667.2	14723.0	16569.9	18289.1	19829.0
30°	2992.1	4563.1	6631.1	8942.0	11478.4	13972.7	16414.7	18831.4	21125.3	23204.7	25162.6
27.5°	4274.9	6398.3	8942.0	11772.6	14642.9	17462.5	20468.0	23325.6	26221.7	28762.0	31376.5
25°	5706.4	8414.1	11478.4	14642.9	17863.9	21302.2	24836.1	28307.8	32043.3	35429.9	39487.2
22.5°	7468.8	10604.9	13972.7	17462.5	21302.2	25346.8	29507.2	34079.9	39404.0	45228.0	51101.1
20°	9177.9	12667.2	16414.7	20468.0	24836.1	29507.2	34770.7	41684.4	49158.4	58062.6	66224.1
17.5°	10917.8	14723.0	18831.4	23325.6	28307.8	34079.9	41684.4	50860.3	61671.7	73725.6	84959.7
15°	12465.4	16569.9	21125.3	26221.7	32043.3	39404.0	49158.4	61671.7	76298.6	91955.0	108370.2
12.5°	13908.1	18289.1	23204.7	28762.0	35429.9	45228.0	58062.6	73725.6	91955.0	112357.2	127453.3
10°	15140.7	19829.0	25162.6	31376.5	39487.2	51101.1	66224.1	84959.7	108370.2	127453.3	143006.6
7.5°	16115.6	21050.5	26720.9	33468.1	43115.9	56714.0	74456.9	96872.4	120475.9	139597.2	154889.3
5°	16821.1	21936.3	27854.1	34994.4	45775.6	60852.0	80573.3	105969.6	128937.9	147925.2	163364.1
2.5°	17248.2	22473.3	28542.4	35923.8	47400.5	63390.6	84347.6	111629.1	134265.9	153035.4	168792.6
0°	17391.2	22653.3	28773.3	36236.0	47947.1	64246.6	85624.2	113552.1	136088.5	154729.8	170711.9
-2.5°	17248.2	22473.3	28542.4	35923.8	47400.5	63390.6	84347.6	111629.1	134265.9	153035.4	168792.6
-5°	16821.1	21936.3	27854.1	34994.4	45775.6	60852.0	80573.3	105969.6	128937.9	147925.2	163364.1
-7.5°	16115.6	21050.5	26720.9	33468.1	43115.9	56714.0	74456.9	96872.4	120475.9	139597.2	154889.3
-10°	15140.7	19829.0	25162.6	31376.5	39487.2	51101.1	66224.1	84959.7	108370.2	127453.3	143006.6
-12.5°	13908.1	18289.1	23204.7	28762.0	35429.9	45228.0	58062.6	73725.6	91955.0	112357.2	127453.3
-15°	12465.4	16569.9	21125.3	26221.7	32043.3	39404.0	49158.4	61671.7	76298.6	91955.0	108370.2
-17.5°	10917.8	14723.0	18831.4	23325.6	28307.8	34079.9	41684.4	50860.3	61671.7	73725.6	84959.7
-20°	9177.9	12667.2	16414.7	20468.0	24836.1	29507.2	34770.7	41684.4	49158.4	58062.6	66224.1



REPORT NUMBER: P1305410 (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°	7468.8	10604.9	13972.7	17462.5	21302.2	25346.8	29507.2	34079.9	39404.0	45228.0	51101.1
-25°	5706.4	8414.1	11478.4	14642.9	17863.9	21302.2	24836.1	28307.8	32043.3	35429.9	39487.2
-27.5°	4274.9	6398.3	8942.0	11772.6	14642.9	17462.5	20468.0	23325.6	26221.7	28762.0	31376.5
-30°	2992.1	4563.1	6631.1	8942.0	11478.4	13972.7	16414.7	18831.4	21125.3	23204.7	25162.6
-32.5°	2634.6	3132.5	4563.1	6398.3	8414.1	10604.9	12667.2	14723.0	16569.9	18289.1	19829.0
-35°	2423.7	2634.6	2992.1	4274.9	5706.4	7468.8	9177.9	10917.8	12465.4	13908.1	15140.7
-37.5°	2253.6	2408.2	2591.1	2783.2	3705.6	4758.5	6082.9	7448.5	8665.7	9899.6	10927.2
-40°	2063.8	2223.5	2362.1	2505.1	2673.7	2868.9	3767.2	4577.6	5409.3	6372.6	7172.9
-42.5°	1873.7	2014.6	2159.8	2286.3	2400.8	2523.9	2656.9	2776.7	3195.0	3763.8	4235.6
-45°	1726.8	1828.3	1933.5	2061.3	2180.5	2280.7	2370.5	2451.2	2545.0	2628.6	2697.9
-47.5°	1605.6	1677.0	1761.3	1845.6	1932.8	2034.9	2127.8	2209.6	2275.1	2331.2	2377.5
-50°	1477.2	1556.9	1619.7	1678.7	1746.5	1813.4	1874.2	1939.2	2006.6	2064.2	2111.8
-52.5°	1324.2	1405.8	1480.8	1547.7	1598.3	1644.8	1687.0	1734.8	1778.7	1816.2	1847.1
-55°	1123.9	1220.1	1310.6	1380.7	1440.6	1495.6	1543.4	1578.0	1608.3	1634.1	1655.4
-57.5°	915.1	1007.2	1092.8	1170.5	1242.4	1308.3	1359.8	1400.5	1436.0	1466.4	1491.4
-60°	710.8	786.5	865.0	938.9	1007.2	1069.6	1123.9	1172.3	1214.6	1250.6	1280.3
-62.5°	521.6	585.9	650.5	710.8	766.4	820.1	871.3	916.8	956.6	990.5	1018.4
-65°	359.3	411.0	459.4	504.4	546.4	592.2	633.5	670.2	702.3	729.6	752.1
-67.5°	239.1	271.3	301.4	329.4	362.6	396.4	427.0	454.2	477.9	498.1	514.6
-70°	153.5	170.2	185.9	204.2	227.0	247.8	266.5	283.2	297.7	310.1	320.2
-72.5°	92.7	103.2	113.9	126.5	138.2	148.8	158.4	166.9	174.3	180.6	185.8
-75°	47.3	52.5	60.9	68.7	75.8	82.4	88.2	93.4	98.0	101.9	105.0
-77.5°	27.1	30.2	33.0	35.6	38.1	40.3	42.3	44.1	45.6	46.9	48.0
-80°	19.3	20.1	20.8	21.4	22.1	22.6	23.1	23.5	23.9	24.3	24.5
-82.5°	13.0	13.5	14.1	14.5	15.0	15.4	15.8	16.1	16.4	16.6	16.8
-85°	7.7	7.9	8.1	8.3	8.5	8.7	8.8	9.0	9.1	9.2	9.3
-87.5°	3.8	4.0	4.1	4.2	4.3	4.3	4.4	4.5	4.5	4.6	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: P1305410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-4S-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°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.5	4.5
85°	9.3	9.4	9.4	9.4	9.4	9.4	9.3	9.3	9.2	9.1	9.0
82.5°	17.0	17.1	17.2	17.2	17.2	17.1	17.0	16.8	16.6	16.4	16.1
80°	24.7	24.9	25.0	25.0	25.0	24.9	24.7	24.5	24.3	23.9	23.5
77.5°	48.8	49.4	49.8	49.9	49.8	49.4	48.8	48.0	46.9	45.6	44.1
75°	107.5	109.3	110.3	110.7	110.3	109.3	107.5	105.0	101.9	98.0	93.4
72.5°	189.8	192.7	194.4	195.0	194.4	192.7	189.8	185.8	180.6	174.3	166.9
70°	328.2	333.8	337.3	338.4	337.3	333.8	328.2	320.2	310.1	297.7	283.2
67.5°	527.6	536.9	542.4	544.3	542.4	536.9	527.6	514.6	498.1	477.9	454.2
65°	769.6	782.2	789.8	792.3	789.8	782.2	769.6	752.1	729.6	702.3	670.2
62.5°	1040.2	1055.8	1065.2	1068.3	1065.2	1055.8	1040.2	1018.4	990.5	956.6	916.8
60°	1303.5	1320.2	1330.2	1333.5	1330.2	1320.2	1303.5	1280.3	1250.6	1214.6	1172.3
57.5°	1510.9	1524.9	1533.4	1536.2	1533.4	1524.9	1510.9	1491.4	1466.4	1436.0	1400.5
55°	1672.1	1684.1	1691.3	1693.7	1691.3	1684.1	1672.1	1655.4	1634.1	1608.3	1578.0
52.5°	1871.3	1888.7	1899.2	1902.7	1899.2	1888.7	1871.3	1847.1	1816.2	1778.7	1734.8
50°	2149.1	2176.0	2192.1	2197.5	2192.1	2176.0	2149.1	2111.8	2064.2	2006.6	1939.2
47.5°	2413.9	2440.1	2455.8	2461.1	2455.8	2440.1	2413.9	2377.5	2331.2	2275.1	2209.6
45°	2752.3	2791.4	2815.0	2822.9	2815.0	2791.4	2752.3	2697.9	2628.6	2545.0	2451.2
42.5°	4606.6	4873.8	5035.1	5089.0	5035.1	4873.8	4606.6	4235.6	3763.8	3195.0	2776.7
40°	7803.4	8258.1	8532.8	8624.6	8532.8	8258.1	7803.4	7172.9	6372.6	5409.3	4577.6
37.5°	11738.2	12323.9	12678.1	12796.6	12678.1	12323.9	11738.2	10927.2	9899.6	8665.7	7448.5
35°	16115.6	16821.1	17248.2	17391.2	17248.2	16821.1	16115.6	15140.7	13908.1	12465.4	10917.8
32.5°	21050.5	21936.3	22473.3	22653.3	22473.3	21936.3	21050.5	19829.0	18289.1	16569.9	14723.0
30°	26720.9	27854.1	28542.4	28773.3	28542.4	27854.1	26720.9	25162.6	23204.7	21125.3	18831.4
27.5°	33468.1	34994.4	35923.8	36236.0	35923.8	34994.4	33468.1	31376.5	28762.0	26221.7	23325.6
25°	43115.9	45775.6	47400.5	47947.1	47400.5	45775.6	43115.9	39487.2	35429.9	32043.3	28307.8
22.5°	56714.0	60852.0	63390.6	64246.6	63390.6	60852.0	56714.0	51101.1	45228.0	39404.0	34079.9
20°	74456.9	80573.3	84347.6	85624.2	84347.6	80573.3	74456.9	66224.1	58062.6	49158.4	41684.4
17.5°	96872.4	105969.6	111629.1	113552.1	111629.1	105969.6	96872.4	84959.7	73725.6	61671.7	50860.3
15°	120475.9	128937.9	134265.9	136088.5	134265.9	128937.9	120475.9	108370.2	91955.0	76298.6	61671.7
12.5°	139597.2	147925.2	153035.4	154729.8	153035.4	147925.2	139597.2	127453.3	112357.2	91955.0	73725.6
10°	154889.3	163364.1	168792.6	170711.9	168792.6	163364.1	154889.3	143006.6	127453.3	108370.2	84959.7
7.5°	166986.4	176552.0	182345.7	184407.6	182345.7	176552.0	166986.4	154889.3	139597.2	120475.9	96872.4
5°	176552.0	186622.8	193480.3	195893.3	193480.3	186622.8	176552.0	163364.1	147925.2	128937.9	105969.6
2.5°	182345.7	193480.3	200104.6	202007.8	200104.6	193480.3	182345.7	168792.6	153035.4	134265.9	111629.1
0°	184407.6	195893.3	202007.8	202874.2	202007.8	195893.3	184407.6	170711.9	154729.8	136088.5	113552.1
-2.5°	182345.7	193480.3	200104.6	202007.8	200104.6	193480.3	182345.7	168792.6	153035.4	134265.9	111629.1
-5°	176552.0	186622.8	193480.3	195893.3	193480.3	186622.8	176552.0	163364.1	147925.2	128937.9	105969.6
-7.5°	166986.4	176552.0	182345.7	184407.6	182345.7	176552.0	166986.4	154889.3	139597.2	120475.9	96872.4
-10°	154889.3	163364.1	168792.6	170711.9	168792.6	163364.1	154889.3	143006.6	127453.3	108370.2	84959.7
-12.5°	139597.2	147925.2	153035.4	154729.8	153035.4	147925.2	139597.2	127453.3	112357.2	91955.0	73725.6
-15°	120475.9	128937.9	134265.9	136088.5	134265.9	128937.9	120475.9	108370.2	91955.0	76298.6	61671.7
-17.5°	96872.4	105969.6	111629.1	113552.1	111629.1	105969.6	96872.4	84959.7	73725.6	61671.7	50860.3
-20°	74456.9	80573.3	84347.6	85624.2	84347.6	80573.3	74456.9	66224.1	58062.6	49158.4	41684.4



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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°	56714.0	60852.0	63390.6	64246.6	63390.6	60852.0	56714.0	51101.1	45228.0	39404.0	34079.9
-25°	43115.9	45775.6	47400.5	47947.1	47400.5	45775.6	43115.9	39487.2	35429.9	32043.3	28307.8
-27.5°	33468.1	34994.4	35923.8	36236.0	35923.8	34994.4	33468.1	31376.5	28762.0	26221.7	23325.6
-30°	26720.9	27854.1	28542.4	28773.3	28542.4	27854.1	26720.9	25162.6	23204.7	21125.3	18831.4
-32.5°	21050.5	21936.3	22473.3	22653.3	22473.3	21936.3	21050.5	19829.0	18289.1	16569.9	14723.0
-35°	16115.6	16821.1	17248.2	17391.2	17248.2	16821.1	16115.6	15140.7	13908.1	12465.4	10917.8
-37.5°	11738.2	12323.9	12678.1	12796.6	12678.1	12323.9	11738.2	10927.2	9899.6	8665.7	7448.5
-40°	7803.4	8258.1	8532.8	8624.6	8532.8	8258.1	7803.4	7172.9	6372.6	5409.3	4577.6
-42.5°	4606.6	4873.8	5035.1	5089.0	5035.1	4873.8	4606.6	4235.6	3763.8	3195.0	2776.7
-45°	2752.3	2791.4	2815.0	2822.9	2815.0	2791.4	2752.3	2697.9	2628.6	2545.0	2451.2
-47.5°	2413.9	2440.1	2455.8	2461.1	2455.8	2440.1	2413.9	2377.5	2331.2	2275.1	2209.6
-50°	2149.1	2176.0	2192.1	2197.5	2192.1	2176.0	2149.1	2111.8	2064.2	2006.6	1939.2
-52.5°	1871.3	1888.7	1899.2	1902.7	1899.2	1888.7	1871.3	1847.1	1816.2	1778.7	1734.8
-55°	1672.1	1684.1	1691.3	1693.7	1691.3	1684.1	1672.1	1655.4	1634.1	1608.3	1578.0
-57.5°	1510.9	1524.9	1533.4	1536.2	1533.4	1524.9	1510.9	1491.4	1466.4	1436.0	1400.5
-60°	1303.5	1320.2	1330.2	1333.5	1330.2	1320.2	1303.5	1280.3	1250.6	1214.6	1172.3
-62.5°	1040.2	1055.8	1065.2	1068.3	1065.2	1055.8	1040.2	1018.4	990.5	956.6	916.8
-65°	769.6	782.2	789.8	792.3	789.8	782.2	769.6	752.1	729.6	702.3	670.2
-67.5°	527.6	536.9	542.4	544.3	542.4	536.9	527.6	514.6	498.1	477.9	454.2
-70°	328.2	333.8	337.3	338.4	337.3	333.8	328.2	320.2	310.1	297.7	283.2
-72.5°	189.8	192.7	194.4	195.0	194.4	192.7	189.8	185.8	180.6	174.3	166.9
-75°	107.5	109.3	110.3	110.7	110.3	109.3	107.5	105.0	101.9	98.0	93.4
-77.5°	48.8	49.4	49.8	49.9	49.8	49.4	48.8	48.0	46.9	45.6	44.1
-80°	24.7	24.9	25.0	25.0	25.0	24.9	24.7	24.5	24.3	23.9	23.5
-82.5°	17.0	17.1	17.2	17.2	17.2	17.1	17.0	16.8	16.6	16.4	16.1
-85°	9.3	9.4	9.4	9.4	9.4	9.4	9.3	9.3	9.2	9.1	9.0
-87.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.6	4.6	4.5	4.5
-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°	4.4	4.3	4.3	4.2	4.1	4.0	3.8	3.7	3.6	3.5	3.3
85°	8.8	8.7	8.5	8.3	8.1	7.9	7.7	7.5	7.2	6.9	6.6
82.5°	15.8	15.4	15.0	14.5	14.1	13.5	13.0	12.3	11.7	11.0	10.3
80°	23.1	22.6	22.1	21.4	20.8	20.1	19.3	18.5	17.7	16.7	15.8
77.5°	42.3	40.3	38.1	35.6	33.0	30.2	27.1	24.6	23.6	22.4	21.3
75°	88.2	82.4	75.8	68.7	60.9	52.5	47.3	43.4	39.3	35.0	30.4
72.5°	158.4	148.8	138.2	126.5	113.9	103.2	92.7	81.6	69.8	57.4	47.7
70°	266.5	247.8	227.0	204.2	185.9	170.2	153.5	135.8	117.1	101.1	86.3
67.5°	427.0	396.4	362.6	329.4	301.4	271.3	239.1	205.0	179.7	157.5	134.3
65°	633.5	592.2	546.4	504.4	459.4	411.0	359.3	314.9	274.7	232.6	191.2
62.5°	871.3	820.1	766.4	710.8	650.5	585.9	521.6	461.1	397.3	332.9	284.3
60°	1123.9	1069.6	1007.2	938.9	865.0	786.5	710.8	630.7	546.4	472.8	396.4
57.5°	1359.8	1308.3	1242.4	1170.5	1092.8	1007.2	915.1	817.8	723.4	627.3	530.2
55°	1543.4	1495.6	1440.6	1380.7	1310.6	1220.1	1123.9	1020.6	909.8	794.2	685.9
52.5°	1687.0	1644.8	1598.3	1547.7	1480.8	1405.8	1324.2	1214.6	1099.8	976.5	847.1
50°	1874.2	1813.4	1746.5	1678.7	1619.7	1556.9	1477.2	1387.1	1280.3	1152.0	1016.9
47.5°	2127.8	2034.9	1932.8	1845.6	1761.3	1677.0	1605.6	1528.9	1428.1	1320.2	1178.2
45°	2370.5	2280.7	2180.5	2061.3	1933.5	1828.3	1726.8	1638.5	1555.0	1448.8	1333.5
42.5°	2656.9	2523.9	2400.8	2286.3	2159.8	2014.6	1873.7	1760.4	1655.1	1563.1	1448.8
40°	3767.2	2868.9	2673.7	2505.1	2362.1	2223.5	2063.8	1896.6	1771.6	1655.1	1555.0
37.5°	6082.9	4758.5	3705.6	2783.2	2591.1	2408.2	2253.6	2080.4	1896.6	1760.4	1638.5
35°	9177.9	7468.8	5706.4	4274.9	2992.1	2634.6	2423.7	2253.6	2063.8	1873.7	1726.8
32.5°	12667.2	10604.9	8414.1	6398.3	4563.1	3132.5	2634.6	2408.2	2223.5	2014.6	1828.3
30°	16414.7	13972.7	11478.4	8942.0	6631.1	4563.1	2992.1	2591.1	2362.1	2159.8	1933.5
27.5°	20468.0	17462.5	14642.9	11772.6	8942.0	6398.3	4274.9	2783.2	2505.1	2286.3	2061.3
25°	24836.1	21302.2	17863.9	14642.9	11478.4	8414.1	5706.4	3705.6	2673.7	2400.8	2180.5
22.5°	29507.2	25346.8	21302.2	17462.5	13972.7	10604.9	7468.8	4758.5	2868.9	2523.9	2280.7
20°	34770.7	29507.2	24836.1	20468.0	16414.7	12667.2	9177.9	6082.9	3767.2	2656.9	2370.5
17.5°	41684.4	34079.9	28307.8	23325.6	18831.4	14723.0	10917.8	7448.5	4577.6	2776.7	2451.2
15°	49158.4	39404.0	32043.3	26221.7	21125.3	16569.9	12465.4	8665.7	5409.3	3195.0	2545.0
12.5°	58062.6	45228.0	35429.9	28762.0	23204.7	18289.1	13908.1	9899.6	6372.6	3763.8	2628.6
10°	66224.1	51101.1	39487.2	31376.5	25162.6	19829.0	15140.7	10927.2	7172.9	4235.6	2697.9
7.5°	74456.9	56714.0	43115.9	33468.1	26720.9	21050.5	16115.6	11738.2	7803.4	4606.6	2752.3
5°	80573.3	60852.0	45775.6	34994.4	27854.1	21936.3	16821.1	12323.9	8258.1	4873.8	2791.4
2.5°	84347.6	63390.6	47400.5	35923.8	28542.4	22473.3	17248.2	12678.1	8532.8	5035.1	2815.0
0°	85624.2	64246.6	47947.1	36236.0	28773.3	22653.3	17391.2	12796.6	8624.6	5089.0	2822.9
-2.5°	84347.6	63390.6	47400.5	35923.8	28542.4	22473.3	17248.2	12678.1	8532.8	5035.1	2815.0
-5°	80573.3	60852.0	45775.6	34994.4	27854.1	21936.3	16821.1	12323.9	8258.1	4873.8	2791.4
-7.5°	74456.9	56714.0	43115.9	33468.1	26720.9	21050.5	16115.6	11738.2	7803.4	4606.6	2752.3
-10°	66224.1	51101.1	39487.2	31376.5	25162.6	19829.0	15140.7	10927.2	7172.9	4235.6	2697.9
-12.5°	58062.6	45228.0	35429.9	28762.0	23204.7	18289.1	13908.1	9899.6	6372.6	3763.8	2628.6
-15°	49158.4	39404.0	32043.3	26221.7	21125.3	16569.9	12465.4	8665.7	5409.3	3195.0	2545.0
-17.5°	41684.4	34079.9	28307.8	23325.6	18831.4	14723.0	10917.8	7448.5	4577.6	2776.7	2451.2
-20°	34770.7	29507.2	24836.1	20468.0	16414.7	12667.2	9177.9	6082.9	3767.2	2656.9	2370.5



REPORT NUMBER: P1305410 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	29507.2	25346.8	21302.2	17462.5	13972.7	10604.9	7468.8	4758.5	2868.9	2523.9	2280.7
-25°	24836.1	21302.2	17863.9	14642.9	11478.4	8414.1	5706.4	3705.6	2673.7	2400.8	2180.5
-27.5°	20468.0	17462.5	14642.9	11772.6	8942.0	6398.3	4274.9	2783.2	2505.1	2286.3	2061.3
-30°	16414.7	13972.7	11478.4	8942.0	6631.1	4563.1	2992.1	2591.1	2362.1	2159.8	1933.5
-32.5°	12667.2	10604.9	8414.1	6398.3	4563.1	3132.5	2634.6	2408.2	2223.5	2014.6	1828.3
-35°	9177.9	7468.8	5706.4	4274.9	2992.1	2634.6	2423.7	2253.6	2063.8	1873.7	1726.8
-37.5°	6082.9	4758.5	3705.6	2783.2	2591.1	2408.2	2253.6	2080.4	1896.6	1760.4	1638.5
-40°	3767.2	2868.9	2673.7	2505.1	2362.1	2223.5	2063.8	1896.6	1771.6	1655.1	1555.0
-42.5°	2656.9	2523.9	2400.8	2286.3	2159.8	2014.6	1873.7	1760.4	1655.1	1563.1	1448.8
-45°	2370.5	2280.7	2180.5	2061.3	1933.5	1828.3	1726.8	1638.5	1555.0	1448.8	1333.5
-47.5°	2127.8	2034.9	1932.8	1845.6	1761.3	1677.0	1605.6	1528.9	1428.1	1320.2	1178.2
-50°	1874.2	1813.4	1746.5	1678.7	1619.7	1556.9	1477.2	1387.1	1280.3	1152.0	1016.9
-52.5°	1687.0	1644.8	1598.3	1547.7	1480.8	1405.8	1324.2	1214.6	1099.8	976.5	847.1
-55°	1543.4	1495.6	1440.6	1380.7	1310.6	1220.1	1123.9	1020.6	909.8	794.2	685.9
-57.5°	1359.8	1308.3	1242.4	1170.5	1092.8	1007.2	915.1	817.8	723.4	627.3	530.2
-60°	1123.9	1069.6	1007.2	938.9	865.0	786.5	710.8	630.7	546.4	472.8	396.4
-62.5°	871.3	820.1	766.4	710.8	650.5	585.9	521.6	461.1	397.3	332.9	284.3
-65°	633.5	592.2	546.4	504.4	459.4	411.0	359.3	314.9	274.7	232.6	191.2
-67.5°	427.0	396.4	362.6	329.4	301.4	271.3	239.1	205.0	179.7	157.5	134.3
-70°	266.5	247.8	227.0	204.2	185.9	170.2	153.5	135.8	117.1	101.1	86.3
-72.5°	158.4	148.8	138.2	126.5	113.9	103.2	92.7	81.6	69.8	57.4	47.7
-75°	88.2	82.4	75.8	68.7	60.9	52.5	47.3	43.4	39.3	35.0	30.4
-77.5°	42.3	40.3	38.1	35.6	33.0	30.2	27.1	24.6	23.6	22.4	21.3
-80°	23.1	22.6	22.1	21.4	20.8	20.1	19.3	18.5	17.7	16.7	15.8
-82.5°	15.8	15.4	15.0	14.5	14.1	13.5	13.0	12.3	11.7	11.0	10.3
-85°	8.8	8.7	8.5	8.3	8.1	7.9	7.7	7.5	7.2	6.9	6.6
-87.5°	4.4	4.3	4.3	4.2	4.1	4.0	3.8	3.7	3.6	3.5	3.3
-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: P1305410 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-80-4S-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°	3.2	3.0	2.9	2.7	2.5	2.3	2.2	2.0	1.8	1.6	1.4
85°	6.3	6.0	5.7	5.4	5.0	4.7	4.3	4.0	3.6	3.2	2.8
82.5°	9.6	9.0	8.6	8.1	7.6	7.0	6.5	5.9	5.4	4.8	4.2
80°	14.8	13.8	12.7	11.6	10.5	9.4	8.6	7.9	7.2	6.4	5.6
77.5°	20.0	18.8	17.4	16.0	14.6	13.2	11.7	10.2	8.9	8.0	7.0
75°	25.7	23.7	22.1	20.4	18.7	17.0	15.2	13.4	11.5	9.6	8.4
72.5°	42.1	36.4	30.5	24.8	22.8	20.8	18.7	16.6	14.4	12.2	10.0
70°	70.8	54.8	45.1	38.1	30.9	24.5	22.2	19.7	17.3	14.8	12.2
67.5°	110.3	92.2	73.5	54.3	43.6	35.3	26.8	22.8	20.1	17.3	14.4
65°	164.3	136.4	108.5	87.1	65.1	46.9	37.5	27.9	22.8	19.7	16.6
62.5°	233.8	187.1	155.4	122.8	95.3	70.5	48.0	37.5	26.8	22.2	18.7
60°	323.6	266.5	207.7	166.9	130.4	98.0	70.5	46.9	35.3	24.5	20.8
57.5°	444.2	355.2	286.3	220.8	170.7	130.4	95.3	65.1	43.6	30.9	22.8
55°	574.0	473.0	374.4	292.9	220.8	166.9	122.8	87.1	54.3	38.1	24.8
52.5°	721.4	597.4	482.7	374.4	286.3	207.7	155.4	108.5	73.5	45.1	30.5
50°	873.8	733.2	597.4	473.0	355.2	266.5	187.1	136.4	92.2	54.8	36.4
47.5°	1030.4	873.8	721.4	574.0	444.2	323.6	233.8	164.3	110.3	70.8	42.1
45°	1178.2	1016.9	847.1	685.9	530.2	396.4	284.3	191.2	134.3	86.3	47.7
42.5°	1320.2	1152.0	976.5	794.2	627.3	472.8	332.9	232.6	157.5	101.1	57.4
40°	1428.1	1280.3	1099.8	909.8	723.4	546.4	397.3	274.7	179.7	117.1	69.8
37.5°	1528.9	1387.1	1214.6	1020.6	817.8	630.7	461.1	314.9	205.0	135.8	81.6
35°	1605.6	1477.2	1324.2	1123.9	915.1	710.8	521.6	359.3	239.1	153.5	92.7
32.5°	1677.0	1556.9	1405.8	1220.1	1007.2	786.5	585.9	411.0	271.3	170.2	103.2
30°	1761.3	1619.7	1480.8	1310.6	1092.8	865.0	650.5	459.4	301.4	185.9	113.9
27.5°	1845.6	1678.7	1547.7	1380.7	1170.5	938.9	710.8	504.4	329.4	204.2	126.5
25°	1932.8	1746.5	1598.3	1440.6	1242.4	1007.2	766.4	546.4	362.6	227.0	138.2
22.5°	2034.9	1813.4	1644.8	1495.6	1308.3	1069.6	820.1	592.2	396.4	247.8	148.8
20°	2127.8	1874.2	1687.0	1543.4	1359.8	1123.9	871.3	633.5	427.0	266.5	158.4
17.5°	2209.6	1939.2	1734.8	1578.0	1400.5	1172.3	916.8	670.2	454.2	283.2	166.9
15°	2275.1	2006.6	1778.7	1608.3	1436.0	1214.6	956.6	702.3	477.9	297.7	174.3
12.5°	2331.2	2064.2	1816.2	1634.1	1466.4	1250.6	990.5	729.6	498.1	310.1	180.6
10°	2377.5	2111.8	1847.1	1655.4	1491.4	1280.3	1018.4	752.1	514.6	320.2	185.8
7.5°	2413.9	2149.1	1871.3	1672.1	1510.9	1303.5	1040.2	769.6	527.6	328.2	189.8
5°	2440.1	2176.0	1888.7	1684.1	1524.9	1320.2	1055.8	782.2	536.9	333.8	192.7
2.5°	2455.8	2192.1	1899.2	1691.3	1533.4	1330.2	1065.2	789.8	542.4	337.3	194.4
0°	2461.1	2197.5	1902.7	1693.7	1536.2	1333.5	1068.3	792.3	544.3	338.4	195.0
-2.5°	2455.8	2192.1	1899.2	1691.3	1533.4	1330.2	1065.2	789.8	542.4	337.3	194.4
-5°	2440.1	2176.0	1888.7	1684.1	1524.9	1320.2	1055.8	782.2	536.9	333.8	192.7
-7.5°	2413.9	2149.1	1871.3	1672.1	1510.9	1303.5	1040.2	769.6	527.6	328.2	189.8
-10°	2377.5	2111.8	1847.1	1655.4	1491.4	1280.3	1018.4	752.1	514.6	320.2	185.8
-12.5°	2331.2	2064.2	1816.2	1634.1	1466.4	1250.6	990.5	729.6	498.1	310.1	180.6
-15°	2275.1	2006.6	1778.7	1608.3	1436.0	1214.6	956.6	702.3	477.9	297.7	174.3
-17.5°	2209.6	1939.2	1734.8	1578.0	1400.5	1172.3	916.8	670.2	454.2	283.2	166.9
-20°	2127.8	1874.2	1687.0	1543.4	1359.8	1123.9	871.3	633.5	427.0	266.5	158.4



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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°	2034.9	1813.4	1644.8	1495.6	1308.3	1069.6	820.1	592.2	396.4	247.8	148.8
-25°	1932.8	1746.5	1598.3	1440.6	1242.4	1007.2	766.4	546.4	362.6	227.0	138.2
-27.5°	1845.6	1678.7	1547.7	1380.7	1170.5	938.9	710.8	504.4	329.4	204.2	126.5
-30°	1761.3	1619.7	1480.8	1310.6	1092.8	865.0	650.5	459.4	301.4	185.9	113.9
-32.5°	1677.0	1556.9	1405.8	1220.1	1007.2	786.5	585.9	411.0	271.3	170.2	103.2
-35°	1605.6	1477.2	1324.2	1123.9	915.1	710.8	521.6	359.3	239.1	153.5	92.7
-37.5°	1528.9	1387.1	1214.6	1020.6	817.8	630.7	461.1	314.9	205.0	135.8	81.6
-40°	1428.1	1280.3	1099.8	909.8	723.4	546.4	397.3	274.7	179.7	117.1	69.8
-42.5°	1320.2	1152.0	976.5	794.2	627.3	472.8	332.9	232.6	157.5	101.1	57.4
-45°	1178.2	1016.9	847.1	685.9	530.2	396.4	284.3	191.2	134.3	86.3	47.7
-47.5°	1030.4	873.8	721.4	574.0	444.2	323.6	233.8	164.3	110.3	70.8	42.1
-50°	873.8	733.2	597.4	473.0	355.2	266.5	187.1	136.4	92.2	54.8	36.4
-52.5°	721.4	597.4	482.7	374.4	286.3	207.7	155.4	108.5	73.5	45.1	30.5
-55°	574.0	473.0	374.4	292.9	220.8	166.9	122.8	87.1	54.3	38.1	24.8
-57.5°	444.2	355.2	286.3	220.8	170.7	130.4	95.3	65.1	43.6	30.9	22.8
-60°	323.6	266.5	207.7	166.9	130.4	98.0	70.5	46.9	35.3	24.5	20.8
-62.5°	233.8	187.1	155.4	122.8	95.3	70.5	48.0	37.5	26.8	22.2	18.7
-65°	164.3	136.4	108.5	87.1	65.1	46.9	37.5	27.9	22.8	19.7	16.6
-67.5°	110.3	92.2	73.5	54.3	43.6	35.3	26.8	22.8	20.1	17.3	14.4
-70°	70.8	54.8	45.1	38.1	30.9	24.5	22.2	19.7	17.3	14.8	12.2
-72.5°	42.1	36.4	30.5	24.8	22.8	20.8	18.7	16.6	14.4	12.2	10.0
-75°	25.7	23.7	22.1	20.4	18.7	17.0	15.2	13.4	11.5	9.6	8.4
-77.5°	20.0	18.8	17.4	16.0	14.6	13.2	11.7	10.2	8.9	8.0	7.0
-80°	14.8	13.8	12.7	11.6	10.5	9.4	8.6	7.9	7.2	6.4	5.6
-82.5°	9.6	9.0	8.6	8.1	7.6	7.0	6.5	5.9	5.4	4.8	4.2
-85°	6.3	6.0	5.7	5.4	5.0	4.7	4.3	4.0	3.6	3.2	2.8
-87.5°	3.2	3.0	2.9	2.7	2.5	2.3	2.2	2.0	1.8	1.6	1.4
-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°	1.2	1.0	0.8	0.6	0.4	0.2	0.0
85°	2.4	2.0	1.6	1.2	0.8	0.4	0.0
82.5°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
80°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
77.5°	6.0	5.0	4.0	3.0	2.0	1.0	0.0
75°	7.2	6.0	4.8	3.6	2.4	1.2	0.0
72.5°	8.4	7.0	5.6	4.2	2.8	1.4	0.0
70°	9.6	8.0	6.4	4.8	3.2	1.6	0.0
67.5°	11.5	8.9	7.2	5.4	3.6	1.8	0.0
65°	13.4	10.2	7.9	5.9	4.0	2.0	0.0
62.5°	15.2	11.7	8.6	6.5	4.3	2.2	0.0
60°	17.0	13.2	9.4	7.0	4.7	2.3	0.0
57.5°	18.7	14.6	10.5	7.6	5.0	2.5	0.0
55°	20.4	16.0	11.6	8.1	5.4	2.7	0.0
52.5°	22.1	17.4	12.7	8.6	5.7	2.9	0.0
50°	23.7	18.8	13.8	9.0	6.0	3.0	0.0
47.5°	25.7	20.0	14.8	9.6	6.3	3.2	0.0
45°	30.4	21.3	15.8	10.3	6.6	3.3	0.0
42.5°	35.0	22.4	16.7	11.0	6.9	3.5	0.0
40°	39.3	23.6	17.7	11.7	7.2	3.6	0.0
37.5°	43.4	24.6	18.5	12.3	7.5	3.7	0.0
35°	47.3	27.1	19.3	13.0	7.7	3.8	0.0
32.5°	52.5	30.2	20.1	13.5	7.9	4.0	0.0
30°	60.9	33.0	20.8	14.1	8.1	4.1	0.0
27.5°	68.7	35.6	21.4	14.5	8.3	4.2	0.0
25°	75.8	38.1	22.1	15.0	8.5	4.3	0.0
22.5°	82.4	40.3	22.6	15.4	8.7	4.3	0.0
20°	88.2	42.3	23.1	15.8	8.8	4.4	0.0
17.5°	93.4	44.1	23.5	16.1	9.0	4.5	0.0
15°	98.0	45.6	23.9	16.4	9.1	4.5	0.0
12.5°	101.9	46.9	24.3	16.6	9.2	4.6	0.0
10°	105.0	48.0	24.5	16.8	9.3	4.6	0.0
7.5°	107.5	48.8	24.7	17.0	9.3	4.7	0.0
5°	109.3	49.4	24.9	17.1	9.4	4.7	0.0
2.5°	110.3	49.8	25.0	17.2	9.4	4.7	0.0
0°	110.7	49.9	25.0	17.2	9.4	4.7	0.0
-2.5°	110.3	49.8	25.0	17.2	9.4	4.7	0.0
-5°	109.3	49.4	24.9	17.1	9.4	4.7	0.0
-7.5°	107.5	48.8	24.7	17.0	9.3	4.7	0.0
-10°	105.0	48.0	24.5	16.8	9.3	4.6	0.0
-12.5°	101.9	46.9	24.3	16.6	9.2	4.6	0.0
-15°	98.0	45.6	23.9	16.4	9.1	4.5	0.0
-17.5°	93.4	44.1	23.5	16.1	9.0	4.5	0.0
-20°	88.2	42.3	23.1	15.8	8.8	4.4	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	82.4	40.3	22.6	15.4	8.7	4.3	0.0
-25°	75.8	38.1	22.1	15.0	8.5	4.3	0.0
-27.5°	68.7	35.6	21.4	14.5	8.3	4.2	0.0
-30°	60.9	33.0	20.8	14.1	8.1	4.1	0.0
-32.5°	52.5	30.2	20.1	13.5	7.9	4.0	0.0
-35°	47.3	27.1	19.3	13.0	7.7	3.8	0.0
-37.5°	43.4	24.6	18.5	12.3	7.5	3.7	0.0
-40°	39.3	23.6	17.7	11.7	7.2	3.6	0.0
-42.5°	35.0	22.4	16.7	11.0	6.9	3.5	0.0
-45°	30.4	21.3	15.8	10.3	6.6	3.3	0.0
-47.5°	25.7	20.0	14.8	9.6	6.3	3.2	0.0
-50°	23.7	18.8	13.8	9.0	6.0	3.0	0.0
-52.5°	22.1	17.4	12.7	8.6	5.7	2.9	0.0
-55°	20.4	16.0	11.6	8.1	5.4	2.7	0.0
-57.5°	18.7	14.6	10.5	7.6	5.0	2.5	0.0
-60°	17.0	13.2	9.4	7.0	4.7	2.3	0.0
-62.5°	15.2	11.7	8.6	6.5	4.3	2.2	0.0
-65°	13.4	10.2	7.9	5.9	4.0	2.0	0.0
-67.5°	11.5	8.9	7.2	5.4	3.6	1.8	0.0
-70°	9.6	8.0	6.4	4.8	3.2	1.6	0.0
-72.5°	8.4	7.0	5.6	4.2	2.8	1.4	0.0
-75°	7.2	6.0	4.8	3.6	2.4	1.2	0.0
-77.5°	6.0	5.0	4.0	3.0	2.0	1.0	0.0
-80°	4.8	4.0	3.2	2.4	1.6	0.8	0.0
-82.5°	3.6	3.0	2.4	1.8	1.2	0.6	0.0
-85°	2.4	2.0	1.6	1.2	0.8	0.4	0.0
-87.5°	1.2	1.0	0.8	0.6	0.4	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)