

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: P1305404 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-57-70-4S-HEG-A**

Issue Date: 2/3/2026

Test Information

Test Method: LM-79-08
Report Number: P1305404 (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-57-70-4S-HEG-A
Description: EPHEBUS LUMASPORT 8 LUMINAIRE
(8) 5700K, 70 CRI LEDS AND 4S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

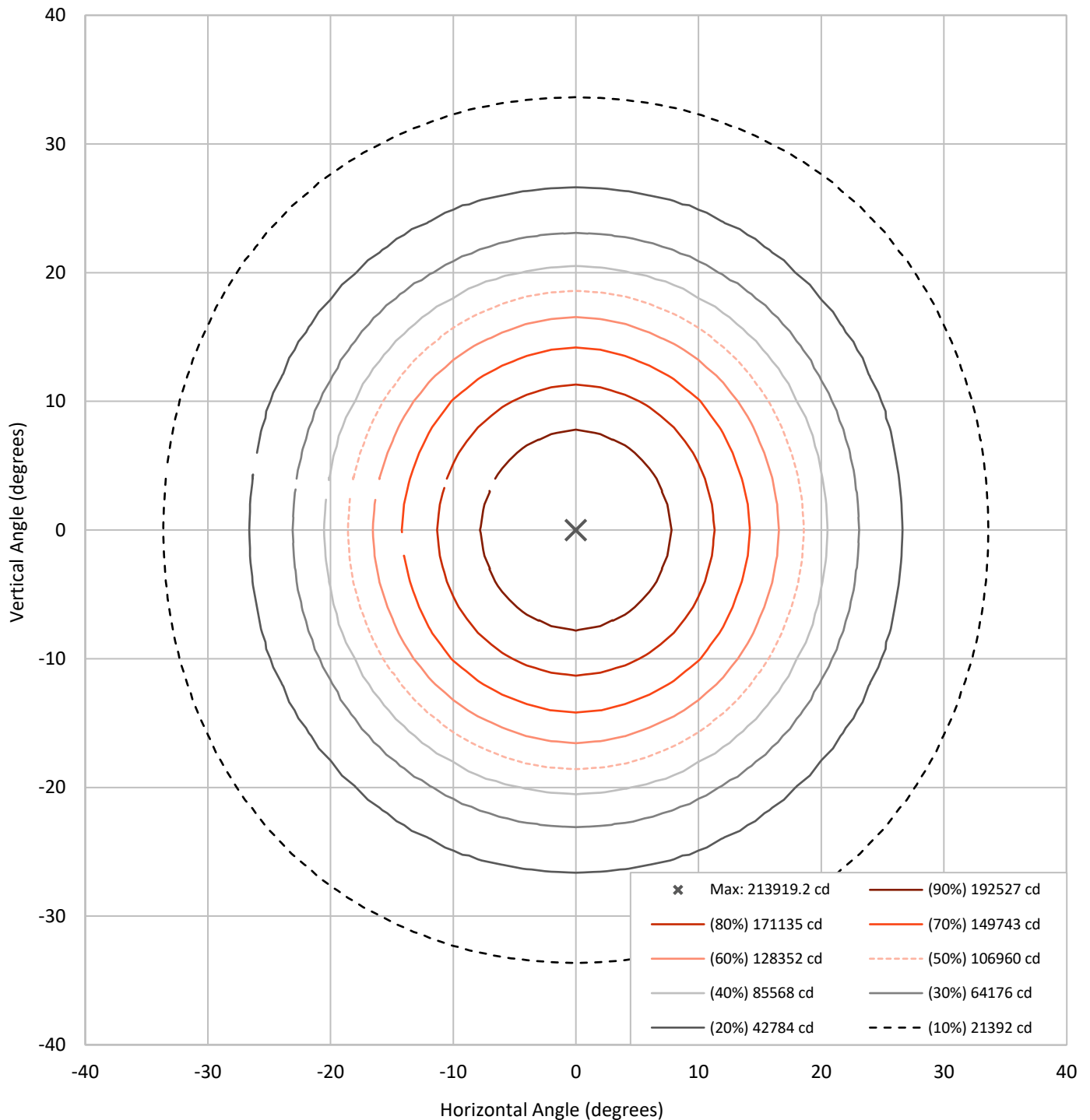
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	98790 lumens	Max Intensity:	213919.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	152.5 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	37.2°H x 37.2°V	Field Angle (10%):	67.2°H x 67.2°V
Beam Lumens:	51429.2 lumens	Field Lumens:	86392.4 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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CATALOG NUMBER: EPH-08-640L-57-70-4S-HEG-A

Iso-Candela Plot





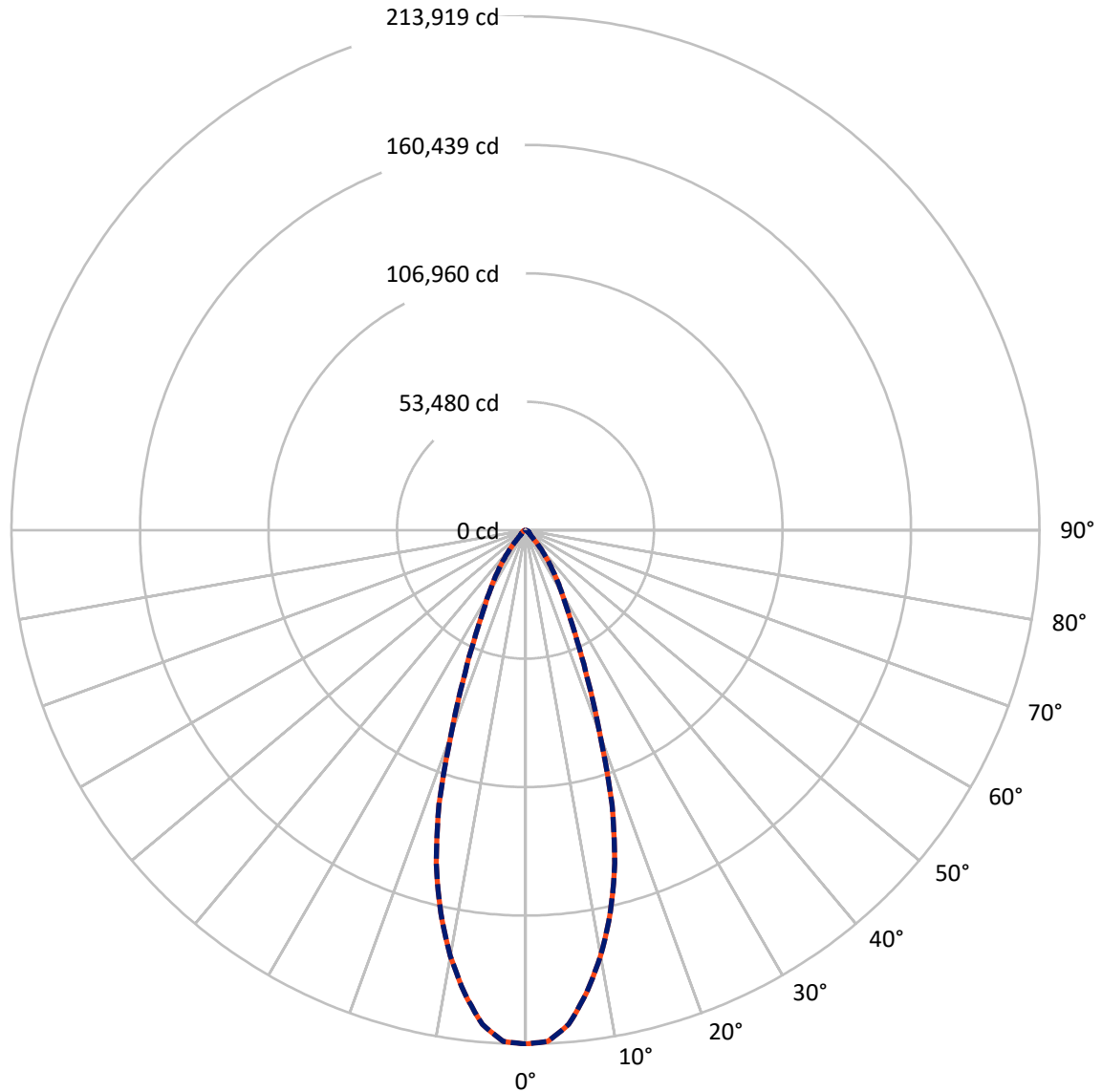
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Lumen Table

90	0.1	0.7	2.9	7.0	9.1	7.0	2.9	0.7	0.1										
80	0.1	0.7	2.9	7.0	9.1	7.0	2.9	0.7	0.1										
70	0.3	0.5	1.8	4.9	10.3	16.7	22.3	25.5	25.5	22.3	16.7	10.3	4.9	1.8	0.5	0.3			
60		1.3	5.8	15.9	29.2	41.0	49.7	54.5	54.5	49.7	41.0	29.2	15.9	5.8	1.3				
50	1.0	3.0	13.0	29.6	46.0	63.9	91.8	121.1	121.1	91.8	63.9	46.0	29.6	13.0	3.0	1.0			
40		5.5	20.6	39.8	69.1	185.8	393.2	545.5	545.5	393.2	185.8	69.1	39.8	20.6	5.5				
30	2.0	8.1	26.2	50.1	169.2	528.7	1033.9	1537.4	1537.4	1033.9	528.7	169.2	50.1	26.2	8.1	2.0			
20		10.1	29.8	68.0	336.8	973.5	2410.9	3957.6	3957.6	2410.9	973.5	336.8	68.0	29.8	10.1				
10	2.5	11.2	31.7	87.6	453.3	1407.7	3845.7	5792.8	5792.8	3845.7	1407.7	453.3	87.6	31.7	11.2	2.5			
0		11.2	31.7	87.6	453.3	1407.7	3845.7	5792.8	5792.8	3845.7	1407.7	453.3	87.6	31.7	11.2				
-10	2.0	10.1	29.8	68.0	336.8	973.5	2410.9	3957.6	3957.6	2410.9	973.5	336.8	68.0	29.8	10.1	2.0			
-20		8.1	26.2	50.1	169.2	528.7	1033.9	1537.4	1537.4	1033.9	528.7	169.2	50.1	26.2	8.1				
-30	1.0	5.5	20.6	39.8	69.1	185.8	393.2	545.5	545.5	393.2	185.8	69.1	39.8	20.6	5.5	1.0			
-40		3.0	13.0	29.6	46.0	63.9	91.8	121.1	121.1	91.8	63.9	46.0	29.6	13.0	3.0				
-50	0.3	1.3	5.8	15.9	29.2	41.0	49.7	54.5	54.5	49.7	41.0	29.2	15.9	5.8	1.3	0.3			
-60		0.5	1.8	4.9	10.3	16.7	22.3	25.5	25.5	22.3	16.7	10.3	4.9	1.8	0.5				
-70	0.1	0.7	2.9	7.0	9.1	7.0	2.9	0.7	0.1						0.1				
-80		0.1	0.7	2.9	7.0	9.1	7.0	2.9	0.7	0.1									
-90	0.1	0.7	2.9	7.0	9.1	7.0	2.9	0.7	0.1										

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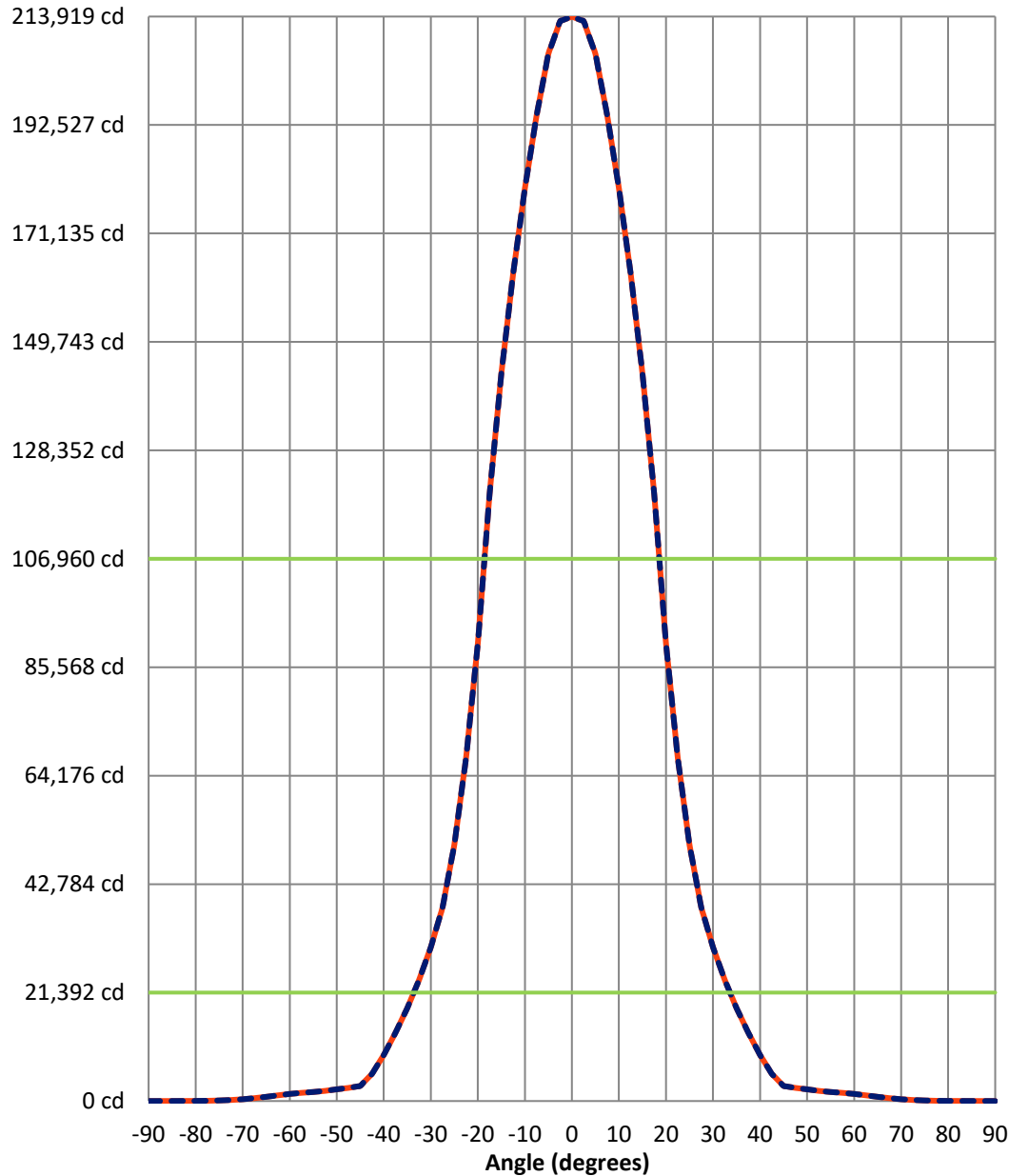
Luminous Intensity Polar Plot



— 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: 51429.2
 Efficiency: 52.1%

Field:
 H Angle: 67.2°
 V Angle: 67.2°
 Lumens: 86392.4
 Efficiency: 87.5%

Spill:
 Lumens: 12397.6
 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	0.9	1.1	1.3	1.5	1.7	1.9	2.1
85°	0.0	0.4	0.9	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.1
82.5°	0.0	0.6	1.3	1.9	2.5	3.2	3.8	4.4	5.0	5.6	6.2
80°	0.0	0.9	1.7	2.5	3.4	4.2	5.1	5.9	6.7	7.5	8.3
77.5°	0.0	1.1	2.1	3.2	4.2	5.3	6.3	7.4	8.4	9.4	10.7
75°	0.0	1.3	2.5	3.8	5.1	6.3	7.6	8.8	10.2	12.1	14.1
72.5°	0.0	1.5	2.9	4.4	5.9	7.4	8.8	10.5	12.9	15.2	17.4
70°	0.0	1.7	3.3	5.0	6.7	8.4	10.2	12.9	15.5	18.2	20.8
67.5°	0.0	1.9	3.7	5.6	7.5	9.4	12.1	15.2	18.2	21.1	24.0
65°	0.0	2.1	4.1	6.2	8.3	10.7	14.1	17.4	20.8	24.0	29.3
62.5°	0.0	2.3	4.5	6.8	9.1	12.3	16.0	19.7	23.3	28.2	39.5
60°	0.0	2.4	4.9	7.4	9.9	13.9	17.9	21.9	25.8	37.1	49.4
57.5°	0.0	2.6	5.3	7.9	11.1	15.4	19.7	24.0	32.5	45.9	68.6
55°	0.0	2.8	5.6	8.5	12.2	16.9	21.5	26.1	40.1	57.2	91.9
52.5°	0.0	3.0	6.0	9.0	13.4	18.3	23.2	32.1	47.5	77.6	114.4
50°	0.0	3.1	6.3	9.5	14.5	19.7	24.9	38.3	57.7	97.3	143.9
47.5°	0.0	3.3	6.7	10.1	15.6	21.1	27.0	44.4	74.7	116.4	173.3
45°	0.0	3.5	7.0	10.9	16.6	22.4	32.0	50.2	91.0	141.7	201.6
42.5°	0.0	3.6	7.3	11.6	17.6	23.6	36.8	60.5	106.7	166.1	245.2
40°	0.0	3.8	7.6	12.3	18.6	24.8	41.4	73.6	123.5	189.5	289.7
37.5°	0.0	3.9	7.8	13.0	19.5	25.9	45.8	86.0	143.2	216.1	332.1
35°	0.0	4.0	8.1	13.6	20.3	28.5	49.9	97.8	161.9	252.1	379.0
32.5°	0.0	4.1	8.3	14.2	21.1	31.7	55.4	108.9	179.5	286.1	433.4
30°	0.0	4.2	8.6	14.8	21.9	34.8	64.2	120.2	196.0	317.8	484.4
27.5°	0.0	4.3	8.8	15.3	22.6	37.5	72.4	133.5	215.3	347.4	531.9
25°	0.0	4.4	9.0	15.8	23.2	40.1	80.0	145.7	239.4	382.4	576.1
22.5°	0.0	4.5	9.1	16.2	23.8	42.4	86.9	156.9	261.3	418.1	624.4
20°	0.0	4.6	9.3	16.6	24.3	44.6	93.1	167.0	281.1	450.3	667.9
17.5°	0.0	4.7	9.4	17.0	24.8	46.4	98.6	176.0	298.7	478.9	706.7
15°	0.0	4.7	9.6	17.3	25.2	48.1	103.4	183.8	314.0	503.9	740.5
12.5°	0.0	4.8	9.7	17.5	25.5	49.4	107.5	190.4	327.0	525.2	769.3
10°	0.0	4.8	9.7	17.7	25.8	50.6	110.8	195.9	337.7	542.6	793.0
7.5°	0.0	4.9	9.8	17.9	26.0	51.5	113.4	200.1	346.1	556.3	811.5
5°	0.0	4.9	9.9	18.0	26.2	52.1	115.3	203.2	352.1	566.1	824.8
2.5°	0.0	4.9	9.9	18.1	26.3	52.5	116.4	205.0	355.7	571.9	832.7
0°	0.0	4.9	9.9	18.1	26.3	52.6	116.8	205.6	356.9	573.9	835.4
-2.5°	0.0	4.9	9.9	18.1	26.3	52.5	116.4	205.0	355.7	571.9	832.7
-5°	0.0	4.9	9.9	18.0	26.2	52.1	115.3	203.2	352.1	566.1	824.8
-7.5°	0.0	4.9	9.8	17.9	26.0	51.5	113.4	200.1	346.1	556.3	811.5
-10°	0.0	4.8	9.7	17.7	25.8	50.6	110.8	195.9	337.7	542.6	793.0
-12.5°	0.0	4.8	9.7	17.5	25.5	49.4	107.5	190.4	327.0	525.2	769.3
-15°	0.0	4.7	9.6	17.3	25.2	48.1	103.4	183.8	314.0	503.9	740.5
-17.5°	0.0	4.7	9.4	17.0	24.8	46.4	98.6	176.0	298.7	478.9	706.7
-20°	0.0	4.6	9.3	16.6	24.3	44.6	93.1	167.0	281.1	450.3	667.9



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 CATALOG NUMBER: EPH-08-640L-57-70-4S-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	4.5	9.1	16.2	23.8	42.4	86.9	156.9	261.3	418.1	624.4
-25°	0.0	4.4	9.0	15.8	23.2	40.1	80.0	145.7	239.4	382.4	576.1
-27.5°	0.0	4.3	8.8	15.3	22.6	37.5	72.4	133.5	215.3	347.4	531.9
-30°	0.0	4.2	8.6	14.8	21.9	34.8	64.2	120.2	196.0	317.8	484.4
-32.5°	0.0	4.1	8.3	14.2	21.1	31.7	55.4	108.9	179.5	286.1	433.4
-35°	0.0	4.0	8.1	13.6	20.3	28.5	49.9	97.8	161.9	252.1	379.0
-37.5°	0.0	3.9	7.8	13.0	19.5	25.9	45.8	86.0	143.2	216.1	332.1
-40°	0.0	3.8	7.6	12.3	18.6	24.8	41.4	73.6	123.5	189.5	289.7
-42.5°	0.0	3.6	7.3	11.6	17.6	23.6	36.8	60.5	106.7	166.1	245.2
-45°	0.0	3.5	7.0	10.9	16.6	22.4	32.0	50.2	91.0	141.7	201.6
-47.5°	0.0	3.3	6.7	10.1	15.6	21.1	27.0	44.4	74.7	116.4	173.3
-50°	0.0	3.1	6.3	9.5	14.5	19.7	24.9	38.3	57.7	97.3	143.9
-52.5°	0.0	3.0	6.0	9.0	13.4	18.3	23.2	32.1	47.5	77.6	114.4
-55°	0.0	2.8	5.6	8.5	12.2	16.9	21.5	26.1	40.1	57.2	91.9
-57.5°	0.0	2.6	5.3	7.9	11.1	15.4	19.7	24.0	32.5	45.9	68.6
-60°	0.0	2.4	4.9	7.4	9.9	13.9	17.9	21.9	25.8	37.1	49.4
-62.5°	0.0	2.3	4.5	6.8	9.1	12.3	16.0	19.7	23.3	28.2	39.5
-65°	0.0	2.1	4.1	6.2	8.3	10.7	14.1	17.4	20.8	24.0	29.3
-67.5°	0.0	1.9	3.7	5.6	7.5	9.4	12.1	15.2	18.2	21.1	24.0
-70°	0.0	1.7	3.3	5.0	6.7	8.4	10.2	12.9	15.5	18.2	20.8
-72.5°	0.0	1.5	2.9	4.4	5.9	7.4	8.8	10.5	12.9	15.2	17.4
-75°	0.0	1.3	2.5	3.8	5.1	6.3	7.6	8.8	10.2	12.1	14.1
-77.5°	0.0	1.1	2.1	3.2	4.2	5.3	6.3	7.4	8.4	9.4	10.7
-80°	0.0	0.9	1.7	2.5	3.4	4.2	5.1	5.9	6.7	7.5	8.3
-82.5°	0.0	0.6	1.3	1.9	2.5	3.2	3.8	4.4	5.0	5.6	6.2
-85°	0.0	0.4	0.9	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.1
-87.5°	0.0	0.2	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-08-640L-57-70-4S-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°	2.3	2.4	2.6	2.8	3.0	3.1	3.3	3.5	3.6	3.8	3.9
85°	4.5	4.9	5.3	5.6	6.0	6.3	6.7	7.0	7.3	7.6	7.8
82.5°	6.8	7.4	7.9	8.5	9.0	9.5	10.1	10.9	11.6	12.3	13.0
80°	9.1	9.9	11.1	12.2	13.4	14.5	15.6	16.6	17.6	18.6	19.5
77.5°	12.3	13.9	15.4	16.9	18.3	19.7	21.1	22.4	23.6	24.8	25.9
75°	16.0	17.9	19.7	21.5	23.2	24.9	27.0	32.0	36.8	41.4	45.8
72.5°	19.7	21.9	24.0	26.1	32.1	38.3	44.4	50.2	60.5	73.6	86.0
70°	23.3	25.8	32.5	40.1	47.5	57.7	74.7	91.0	106.7	123.5	143.2
67.5°	28.2	37.1	45.9	57.2	77.6	97.3	116.4	141.7	166.1	189.5	216.1
65°	39.5	49.4	68.6	91.9	114.4	143.9	173.3	201.6	245.2	289.7	332.1
62.5°	50.6	74.4	100.5	129.5	163.9	197.3	246.6	299.8	351.1	419.0	486.2
60°	74.4	103.4	137.5	176.0	219.0	281.1	341.3	418.1	498.5	576.1	665.0
57.5°	100.5	137.5	180.0	232.8	302.0	374.6	468.4	559.1	661.5	762.7	862.3
55°	129.5	176.0	232.8	308.9	394.8	498.8	605.2	723.2	837.4	959.4	1076.2
52.5°	163.9	219.0	302.0	394.8	509.0	629.9	760.6	893.2	1029.7	1159.7	1280.7
50°	197.3	281.1	374.6	498.8	629.9	773.1	921.4	1072.2	1214.7	1350.0	1462.6
47.5°	246.6	341.3	468.4	605.2	760.6	921.4	1086.5	1242.4	1392.0	1505.9	1612.2
45°	299.8	418.1	559.1	723.2	893.2	1072.2	1242.4	1406.1	1527.7	1639.7	1727.7
42.5°	351.1	498.5	661.5	837.4	1029.7	1214.7	1392.0	1527.7	1648.3	1745.2	1856.2
40°	419.0	576.1	762.7	959.4	1159.7	1350.0	1505.9	1639.7	1745.2	1868.1	1999.8
37.5°	486.2	665.0	862.3	1076.2	1280.7	1462.6	1612.2	1727.7	1856.2	1999.8	2193.6
35°	550.0	749.4	964.9	1185.1	1396.2	1557.6	1693.0	1820.8	1975.7	2176.2	2376.3
32.5°	617.8	829.3	1062.0	1286.5	1482.4	1641.7	1768.3	1927.9	2124.2	2344.5	2539.3
30°	685.9	912.1	1152.3	1381.9	1561.5	1707.9	1857.2	2038.8	2277.3	2490.7	2732.2
27.5°	749.4	990.0	1234.2	1455.9	1632.0	1770.1	1946.1	2173.5	2410.7	2641.5	2934.7
25°	808.1	1062.0	1310.0	1519.1	1685.3	1841.5	2038.1	2299.2	2531.5	2819.3	3070.4
22.5°	864.7	1127.9	1379.5	1577.1	1734.3	1912.1	2145.6	2404.9	2661.3	3025.1	5017.6
20°	918.7	1185.1	1433.8	1627.5	1778.8	1976.2	2243.6	2499.6	2801.6	3972.3	6414.1
17.5°	966.7	1236.2	1476.7	1664.0	1829.3	2044.8	2329.9	2584.6	2927.9	4826.9	7854.1
15°	1008.7	1280.7	1514.3	1695.9	1875.5	2115.8	2398.9	2683.5	3369.0	5703.8	9137.5
12.5°	1044.4	1318.7	1546.3	1723.1	1915.1	2176.6	2458.1	2771.7	3968.8	6719.5	10438.6
10°	1073.8	1350.0	1572.6	1745.6	1947.7	2226.8	2507.0	2844.8	4466.2	7563.5	11522.2
7.5°	1096.8	1374.5	1593.2	1763.2	1973.2	2266.1	2545.3	2902.1	4857.4	8228.3	12377.3
5°	1113.3	1392.0	1608.0	1775.8	1991.6	2294.4	2572.9	2943.4	5139.2	8707.8	12994.9
2.5°	1123.2	1402.6	1616.9	1783.4	2002.6	2311.4	2589.5	2968.3	5309.3	8997.4	13368.3
0°	1126.5	1406.1	1619.9	1785.9	2006.3	2317.1	2595.1	2976.6	5366.1	9094.2	13493.3
-2.5°	1123.2	1402.6	1616.9	1783.4	2002.6	2311.4	2589.5	2968.3	5309.3	8997.4	13368.3
-5°	1113.3	1392.0	1608.0	1775.8	1991.6	2294.4	2572.9	2943.4	5139.2	8707.8	12994.9
-7.5°	1096.8	1374.5	1593.2	1763.2	1973.2	2266.1	2545.3	2902.1	4857.4	8228.3	12377.3
-10°	1073.8	1350.0	1572.6	1745.6	1947.7	2226.8	2507.0	2844.8	4466.2	7563.5	11522.2
-12.5°	1044.4	1318.7	1546.3	1723.1	1915.1	2176.6	2458.1	2771.7	3968.8	6719.5	10438.6
-15°	1008.7	1280.7	1514.3	1695.9	1875.5	2115.8	2398.9	2683.5	3369.0	5703.8	9137.5
-17.5°	966.7	1236.2	1476.7	1664.0	1829.3	2044.8	2329.9	2584.6	2927.9	4826.9	7854.1
-20°	918.7	1185.1	1433.8	1627.5	1778.8	1976.2	2243.6	2499.6	2801.6	3972.3	6414.1



REPORT NUMBER: P1305404 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-70-4S-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	864.7	1127.9	1379.5	1577.1	1734.3	1912.1	2145.6	2404.9	2661.3	3025.1	5017.6
-25°	808.1	1062.0	1310.0	1519.1	1685.3	1841.5	2038.1	2299.2	2531.5	2819.3	3907.4
-27.5°	749.4	990.0	1234.2	1455.9	1632.0	1770.1	1946.1	2173.5	2410.7	2641.5	2934.7
-30°	685.9	912.1	1152.3	1381.9	1561.5	1707.9	1857.2	2038.8	2277.3	2490.7	2732.2
-32.5°	617.8	829.3	1062.0	1286.5	1482.4	1641.7	1768.3	1927.9	2124.2	2344.5	2539.3
-35°	550.0	749.4	964.9	1185.1	1396.2	1557.6	1693.0	1820.8	1975.7	2176.2	2376.3
-37.5°	486.2	665.0	862.3	1076.2	1280.7	1462.6	1612.2	1727.7	1856.2	1999.8	2193.6
-40°	419.0	576.1	762.7	959.4	1159.7	1350.0	1505.9	1639.7	1745.2	1868.1	1999.8
-42.5°	351.1	498.5	661.5	837.4	1029.7	1214.7	1392.0	1527.7	1648.3	1745.2	1856.2
-45°	299.8	418.1	559.1	723.2	893.2	1072.2	1242.4	1406.1	1527.7	1639.7	1727.7
-47.5°	246.6	341.3	468.4	605.2	760.6	921.4	1086.5	1242.4	1392.0	1505.9	1612.2
-50°	197.3	281.1	374.6	498.8	629.9	773.1	921.4	1072.2	1214.7	1350.0	1462.6
-52.5°	163.9	219.0	302.0	394.8	509.0	629.9	760.6	893.2	1029.7	1159.7	1280.7
-55°	129.5	176.0	232.8	308.9	394.8	498.8	605.2	723.2	837.4	959.4	1076.2
-57.5°	100.5	137.5	180.0	232.8	302.0	374.6	468.4	559.1	661.5	762.7	862.3
-60°	74.4	103.4	137.5	176.0	219.0	281.1	341.3	418.1	498.5	576.1	665.0
-62.5°	50.6	74.4	100.5	129.5	163.9	197.3	246.6	299.8	351.1	419.0	486.2
-65°	39.5	49.4	68.6	91.9	114.4	143.9	173.3	201.6	245.2	289.7	332.1
-67.5°	28.2	37.1	45.9	57.2	77.6	97.3	116.4	141.7	166.1	189.5	216.1
-70°	23.3	25.8	32.5	40.1	47.5	57.7	74.7	91.0	106.7	123.5	143.2
-72.5°	19.7	21.9	24.0	26.1	32.1	38.3	44.4	50.2	60.5	73.6	86.0
-75°	16.0	17.9	19.7	21.5	23.2	24.9	27.0	32.0	36.8	41.4	45.8
-77.5°	12.3	13.9	15.4	16.9	18.3	19.7	21.1	22.4	23.6	24.8	25.9
-80°	9.1	9.9	11.1	12.2	13.4	14.5	15.6	16.6	17.6	18.6	19.5
-82.5°	6.8	7.4	7.9	8.5	9.0	9.5	10.1	10.9	11.6	12.3	13.0
-85°	4.5	4.9	5.3	5.6	6.0	6.3	6.7	7.0	7.3	7.6	7.8
-87.5°	2.3	2.4	2.6	2.8	3.0	3.1	3.3	3.5	3.6	3.8	3.9
-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):

	-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°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.7	4.8	4.8
85°	8.1	8.3	8.6	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.7
82.5°	13.6	14.2	14.8	15.3	15.8	16.2	16.6	17.0	17.3	17.5	17.7
80°	20.3	21.1	21.9	22.6	23.2	23.8	24.3	24.8	25.2	25.5	25.8
77.5°	28.5	31.7	34.8	37.5	40.1	42.4	44.6	46.4	48.1	49.4	50.6
75°	49.9	55.4	64.2	72.4	80.0	86.9	93.1	98.6	103.4	107.5	110.8
72.5°	97.8	108.9	120.2	133.5	145.7	156.9	167.0	176.0	183.8	190.4	195.9
70°	161.9	179.5	196.0	215.3	239.4	261.3	281.1	298.7	314.0	327.0	337.7
67.5°	252.1	286.1	317.8	347.4	382.4	418.1	450.3	478.9	503.9	525.2	542.6
65°	379.0	433.4	484.4	531.9	576.1	624.4	667.9	706.7	740.5	769.3	793.0
62.5°	550.0	617.8	685.9	749.4	808.1	864.7	918.7	966.7	1008.7	1044.4	1073.8
60°	749.4	829.3	912.1	990.0	1062.0	1127.9	1185.1	1236.2	1280.7	1318.7	1350.0
57.5°	964.9	1062.0	1152.3	1234.2	1310.0	1379.5	1433.8	1476.7	1514.3	1546.3	1572.6
55°	1185.1	1286.5	1381.9	1455.9	1519.1	1577.1	1627.5	1664.0	1695.9	1723.1	1745.6
52.5°	1396.2	1482.4	1561.5	1632.0	1685.3	1734.3	1778.8	1829.3	1875.5	1915.1	1947.7
50°	1557.6	1641.7	1707.9	1770.1	1841.5	1912.1	1976.2	2044.8	2115.8	2176.6	2226.8
47.5°	1693.0	1768.3	1857.2	1946.1	2038.1	2145.6	2243.6	2329.9	2398.9	2458.1	2507.0
45°	1820.8	1927.9	2038.8	2173.5	2299.2	2404.9	2499.6	2584.6	2683.5	2771.7	2844.8
42.5°	1975.7	2124.2	2277.3	2410.7	2531.5	2661.3	2801.6	2927.9	3369.0	3968.8	4466.2
40°	2176.2	2344.5	2490.7	2641.5	2819.3	3025.1	3972.3	4826.9	5703.8	6719.5	7563.5
37.5°	2376.3	2539.3	2732.2	2934.7	3907.4	5017.6	6414.1	7854.1	9137.5	10438.6	11522.2
35°	2555.6	2778.0	3155.0	4507.6	6017.2	7875.4	9677.6	11512.3	13144.1	14665.3	15965.0
32.5°	2778.0	3303.0	4811.5	6746.7	8872.3	11182.3	13356.9	15524.5	17472.0	19284.8	20908.6
30°	3155.0	4811.5	6992.1	9428.9	12103.4	14733.5	17308.3	19856.6	22275.5	24468.1	26532.6
27.5°	4507.6	6746.7	9428.9	12413.5	15440.1	18413.2	21582.4	24595.6	27649.3	30327.9	33084.8
25°	6017.2	8872.3	12103.4	15440.1	18836.4	22462.0	26188.3	29848.9	33787.8	37358.8	41637.0
22.5°	7875.4	11182.3	14733.5	18413.2	22462.0	26726.8	31113.6	35935.3	41549.3	47690.4	53883.3
20°	9677.6	13356.9	17308.3	21582.4	26188.3	31113.6	36663.7	43953.8	51834.7	61223.7	69829.5
17.5°	11512.3	15524.5	19856.6	24595.6	29848.9	35935.3	43953.8	53629.3	65029.3	77739.4	89585.1
15°	13144.1	17472.0	22275.5	27649.3	33787.8	41549.3	51834.7	65029.3	80452.5	96961.3	114270.3
12.5°	14665.3	19284.8	24468.1	30327.9	37358.8	47690.4	61223.7	77739.4	96961.3	118474.3	134392.3
10°	15965.0	20908.6	26532.6	33084.8	41637.0	53883.3	69829.5	89585.1	114270.3	134392.3	150792.4
7.5°	16993.0	22196.6	28175.7	35290.2	45463.3	59801.7	78510.5	102146.5	127035.0	147197.4	163321.9
5°	17736.9	23130.6	29370.5	36899.6	48267.8	64165.0	84960.0	111738.9	135957.8	155978.7	172258.2
2.5°	18187.2	23696.9	30096.3	37879.6	49981.1	66841.8	88939.7	117706.6	141575.7	161367.0	177982.2
0°	18338.0	23886.7	30339.8	38208.8	50557.5	67744.4	90285.8	119734.3	143497.6	163153.7	180005.9
-2.5°	18187.2	23696.9	30096.3	37879.6	49981.1	66841.8	88939.7	117706.6	141575.7	161367.0	177982.2
-5°	17736.9	23130.6	29370.5	36899.6	48267.8	64165.0	84960.0	111738.9	135957.8	155978.7	172258.2
-7.5°	16993.0	22196.6	28175.7	35290.2	45463.3	59801.7	78510.5	102146.5	127035.0	147197.4	163321.9
-10°	15965.0	20908.6	26532.6	33084.8	41637.0	53883.3	69829.5	89585.1	114270.3	134392.3	150792.4
-12.5°	14665.3	19284.8	24468.1	30327.9	37358.8	47690.4	61223.7	77739.4	96961.3	118474.3	134392.3
-15°	13144.1	17472.0	22275.5	27649.3	33787.8	41549.3	51834.7	65029.3	80452.5	96961.3	114270.3
-17.5°	11512.3	15524.5	19856.6	24595.6	29848.9	35935.3	43953.8	53629.3	65029.3	77739.4	89585.1
-20°	9677.6	13356.9	17308.3	21582.4	26188.3	31113.6	36663.7	43953.8	51834.7	61223.7	69829.5



REPORT NUMBER: P1305404 (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°	7875.4	11182.3	14733.5	18413.2	22462.0	26726.8	31113.6	35935.3	41549.3	47690.4	53883.3
-25°	6017.2	8872.3	12103.4	15440.1	18836.4	22462.0	26188.3	29848.9	33787.8	37358.8	41637.0
-27.5°	4507.6	6746.7	9428.9	12413.5	15440.1	18413.2	21582.4	24595.6	27649.3	30327.9	33084.8
-30°	3155.0	4811.5	6992.1	9428.9	12103.4	14733.5	17308.3	19856.6	22275.5	24468.1	26532.6
-32.5°	2778.0	3303.0	4811.5	6746.7	8872.3	11182.3	13356.9	15524.5	17472.0	19284.8	20908.6
-35°	2555.6	2778.0	3155.0	4507.6	6017.2	7875.4	9677.6	11512.3	13144.1	14665.3	15965.0
-37.5°	2376.3	2539.3	2732.2	2934.7	3907.4	5017.6	6414.1	7854.1	9137.5	10438.6	11522.2
-40°	2176.2	2344.5	2490.7	2641.5	2819.3	3025.1	3972.3	4826.9	5703.8	6719.5	7563.5
-42.5°	1975.7	2124.2	2277.3	2410.7	2531.5	2661.3	2801.6	2927.9	3369.0	3968.8	4466.2
-45°	1820.8	1927.9	2038.8	2173.5	2299.2	2404.9	2499.6	2584.6	2683.5	2771.7	2844.8
-47.5°	1693.0	1768.3	1857.2	1946.1	2038.1	2145.6	2243.6	2329.9	2398.9	2458.1	2507.0
-50°	1557.6	1641.7	1707.9	1770.1	1841.5	1912.1	1976.2	2044.8	2115.8	2176.6	2226.8
-52.5°	1396.2	1482.4	1561.5	1632.0	1685.3	1734.3	1778.8	1829.3	1875.5	1915.1	1947.7
-55°	1185.1	1286.5	1381.9	1455.9	1519.1	1577.1	1627.5	1664.0	1695.9	1723.1	1745.6
-57.5°	964.9	1062.0	1152.3	1234.2	1310.0	1379.5	1433.8	1476.7	1514.3	1546.3	1572.6
-60°	749.4	829.3	912.1	990.0	1062.0	1127.9	1185.1	1236.2	1280.7	1318.7	1350.0
-62.5°	550.0	617.8	685.9	749.4	808.1	864.7	918.7	966.7	1008.7	1044.4	1073.8
-65°	379.0	433.4	484.4	531.9	576.1	624.4	667.9	706.7	740.5	769.3	793.0
-67.5°	252.1	286.1	317.8	347.4	382.4	418.1	450.3	478.9	503.9	525.2	542.6
-70°	161.9	179.5	196.0	215.3	239.4	261.3	281.1	298.7	314.0	327.0	337.7
-72.5°	97.8	108.9	120.2	133.5	145.7	156.9	167.0	176.0	183.8	190.4	195.9
-75°	49.9	55.4	64.2	72.4	80.0	86.9	93.1	98.6	103.4	107.5	110.8
-77.5°	28.5	31.7	34.8	37.5	40.1	42.4	44.6	46.4	48.1	49.4	50.6
-80°	20.3	21.1	21.9	22.6	23.2	23.8	24.3	24.8	25.2	25.5	25.8
-82.5°	13.6	14.2	14.8	15.3	15.8	16.2	16.6	17.0	17.3	17.5	17.7
-85°	8.1	8.3	8.6	8.8	9.0	9.1	9.3	9.4	9.6	9.7	9.7
-87.5°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.7	4.8	4.8
-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: P1305404 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-70-4S-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°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.7	4.7
85°	9.8	9.9	9.9	9.9	9.9	9.9	9.8	9.7	9.7	9.6	9.4
82.5°	17.9	18.0	18.1	18.1	18.1	18.0	17.9	17.7	17.5	17.3	17.0
80°	26.0	26.2	26.3	26.3	26.3	26.2	26.0	25.8	25.5	25.2	24.8
77.5°	51.5	52.1	52.5	52.6	52.5	52.1	51.5	50.6	49.4	48.1	46.4
75°	113.4	115.3	116.4	116.8	116.4	115.3	113.4	110.8	107.5	103.4	98.6
72.5°	200.1	203.2	205.0	205.6	205.0	203.2	200.1	195.9	190.4	183.8	176.0
70°	346.1	352.1	355.7	356.9	355.7	352.1	346.1	337.7	327.0	314.0	298.7
67.5°	556.3	566.1	571.9	573.9	571.9	566.1	556.3	542.6	525.2	503.9	478.9
65°	811.5	824.8	832.7	835.4	832.7	824.8	811.5	793.0	769.3	740.5	706.7
62.5°	1096.8	1113.3	1123.2	1126.5	1123.2	1113.3	1096.8	1073.8	1044.4	1008.7	966.7
60°	1374.5	1392.0	1402.6	1406.1	1402.6	1392.0	1374.5	1350.0	1318.7	1280.7	1236.2
57.5°	1593.2	1608.0	1616.9	1619.9	1616.9	1608.0	1593.2	1572.6	1546.3	1514.3	1476.7
55°	1763.2	1775.8	1783.4	1785.9	1783.4	1775.8	1763.2	1745.6	1723.1	1695.9	1664.0
52.5°	1973.2	1991.6	2002.6	2006.3	2002.6	1991.6	1973.2	1947.7	1915.1	1875.5	1829.3
50°	2266.1	2294.4	2311.4	2317.1	2311.4	2294.4	2266.1	2226.8	2176.6	2115.8	2044.8
47.5°	2545.3	2572.9	2589.5	2595.1	2589.5	2572.9	2545.3	2507.0	2458.1	2398.9	2329.9
45°	2902.1	2943.4	2968.3	2976.6	2968.3	2943.4	2902.1	2844.8	2771.7	2683.5	2584.6
42.5°	4857.4	5139.2	5309.3	5366.1	5309.3	5139.2	4857.4	4466.2	3968.8	3369.0	2927.9
40°	8228.3	8707.8	8997.4	9094.2	8997.4	8707.8	8228.3	7563.5	6719.5	5703.8	4826.9
37.5°	12377.3	12994.9	13368.3	13493.3	13368.3	12994.9	12377.3	11522.2	10438.6	9137.5	7854.1
35°	16993.0	17736.9	18187.2	18338.0	18187.2	17736.9	16993.0	15965.0	14665.3	13144.1	11512.3
32.5°	22196.6	23130.6	23696.9	23886.7	23696.9	23130.6	22196.6	20908.6	19284.8	17472.0	15524.5
30°	28175.7	29370.5	30096.3	30339.8	30096.3	29370.5	28175.7	26532.6	24468.1	22275.5	19856.6
27.5°	35290.2	36899.6	37879.6	38208.8	37879.6	36899.6	35290.2	33084.8	30327.9	27649.3	24595.6
25°	45463.3	48267.8	49981.1	50557.5	49981.1	48267.8	45463.3	41637.0	37358.8	33787.8	29848.9
22.5°	59801.7	64165.0	66841.8	67744.4	66841.8	64165.0	59801.7	53883.3	47690.4	41549.3	35935.3
20°	78510.5	84960.0	88939.7	90285.8	88939.7	84960.0	78510.5	69829.5	61223.7	51834.7	43953.8
17.5°	102146.5	111738.9	117706.6	119734.3	117706.6	111738.9	102146.5	89585.1	77739.4	65029.3	53629.3
15°	127035.0	135957.8	141575.7	143497.6	141575.7	135957.8	127035.0	114270.3	96961.3	80452.5	65029.3
12.5°	147197.4	155978.7	161367.0	163153.7	161367.0	155978.7	147197.4	134392.3	118474.3	96961.3	77739.4
10°	163321.9	172258.2	177982.2	180005.9	177982.2	172258.2	163321.9	150792.4	134392.3	114270.3	89585.1
7.5°	176077.6	186164.0	192273.1	194447.3	192273.1	186164.0	176077.6	163321.9	147197.4	127035.0	102146.5
5°	186164.0	196783.0	204013.9	206558.4	204013.9	196783.0	186164.0	172258.2	155978.7	135957.8	111738.9
2.5°	192273.1	204013.9	210998.9	213005.7	210998.9	204013.9	192273.1	177982.2	161367.0	141575.7	117706.6
0°	194447.3	206558.4	213005.7	213919.2	213005.7	206558.4	194447.3	180005.9	163153.7	143497.6	119734.3
-2.5°	192273.1	204013.9	210998.9	213005.7	210998.9	204013.9	192273.1	177982.2	161367.0	141575.7	117706.6
-5°	186164.0	196783.0	204013.9	206558.4	204013.9	196783.0	186164.0	172258.2	155978.7	135957.8	111738.9
-7.5°	176077.6	186164.0	192273.1	194447.3	192273.1	186164.0	176077.6	163321.9	147197.4	127035.0	102146.5
-10°	163321.9	172258.2	177982.2	180005.9	177982.2	172258.2	163321.9	150792.4	134392.3	114270.3	89585.1
-12.5°	147197.4	155978.7	161367.0	163153.7	161367.0	155978.7	147197.4	134392.3	118474.3	96961.3	77739.4
-15°	127035.0	135957.8	141575.7	143497.6	141575.7	135957.8	127035.0	114270.3	96961.3	80452.5	65029.3
-17.5°	102146.5	111738.9	117706.6	119734.3	117706.6	111738.9	102146.5	89585.1	77739.4	65029.3	53629.3
-20°	78510.5	84960.0	88939.7	90285.8	88939.7	84960.0	78510.5	69829.5	61223.7	51834.7	43953.8



REPORT NUMBER: P1305404 (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°	59801.7	64165.0	66841.8	67744.4	66841.8	64165.0	59801.7	53883.3	47690.4	41549.3	35935.3
-25°	45463.3	48267.8	49981.1	50557.5	49981.1	48267.8	45463.3	41637.0	37358.8	33787.8	29848.9
-27.5°	35290.2	36899.6	37879.6	38208.8	37879.6	36899.6	35290.2	33084.8	30327.9	27649.3	24595.6
-30°	28175.7	29370.5	30096.3	30339.8	30096.3	29370.5	28175.7	26532.6	24468.1	22275.5	19856.6
-32.5°	22196.6	23130.6	23696.9	23886.7	23696.9	23130.6	22196.6	20908.6	19284.8	17472.0	15524.5
-35°	16993.0	17736.9	18187.2	18338.0	18187.2	17736.9	16993.0	15965.0	14665.3	13144.1	11512.3
-37.5°	12377.3	12994.9	13368.3	13493.3	13368.3	12994.9	12377.3	11522.2	10438.6	9137.5	7854.1
-40°	8228.3	8707.8	8997.4	9094.2	8997.4	8707.8	8228.3	7563.5	6719.5	5703.8	4826.9
-42.5°	4857.4	5139.2	5309.3	5366.1	5309.3	5139.2	4857.4	4466.2	3968.8	3369.0	2927.9
-45°	2902.1	2943.4	2968.3	2976.6	2968.3	2943.4	2902.1	2844.8	2771.7	2683.5	2584.6
-47.5°	2545.3	2572.9	2589.5	2595.1	2589.5	2572.9	2545.3	2507.0	2458.1	2398.9	2329.9
-50°	2266.1	2294.4	2311.4	2317.1	2311.4	2294.4	2266.1	2226.8	2176.6	2115.8	2044.8
-52.5°	1973.2	1991.6	2002.6	2006.3	2002.6	1991.6	1973.2	1947.7	1915.1	1875.5	1829.3
-55°	1763.2	1775.8	1783.4	1785.9	1783.4	1775.8	1763.2	1745.6	1723.1	1695.9	1664.0
-57.5°	1593.2	1608.0	1616.9	1619.9	1616.9	1608.0	1593.2	1572.6	1546.3	1514.3	1476.7
-60°	1374.5	1392.0	1402.6	1406.1	1402.6	1392.0	1374.5	1350.0	1318.7	1280.7	1236.2
-62.5°	1096.8	1113.3	1123.2	1126.5	1123.2	1113.3	1096.8	1073.8	1044.4	1008.7	966.7
-65°	811.5	824.8	832.7	835.4	832.7	824.8	811.5	793.0	769.3	740.5	706.7
-67.5°	556.3	566.1	571.9	573.9	571.9	566.1	556.3	542.6	525.2	503.9	478.9
-70°	346.1	352.1	355.7	356.9	355.7	352.1	346.1	337.7	327.0	314.0	298.7
-72.5°	200.1	203.2	205.0	205.6	205.0	203.2	200.1	195.9	190.4	183.8	176.0
-75°	113.4	115.3	116.4	116.8	116.4	115.3	113.4	110.8	107.5	103.4	98.6
-77.5°	51.5	52.1	52.5	52.6	52.5	52.1	51.5	50.6	49.4	48.1	46.4
-80°	26.0	26.2	26.3	26.3	26.3	26.2	26.0	25.8	25.5	25.2	24.8
-82.5°	17.9	18.0	18.1	18.1	18.1	18.0	17.9	17.7	17.5	17.3	17.0
-85°	9.8	9.9	9.9	9.9	9.9	9.9	9.8	9.7	9.7	9.6	9.4
-87.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.7	4.7
-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):

	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°	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.6	3.5
85°	9.3	9.1	9.0	8.8	8.6	8.3	8.1	7.8	7.6	7.3	7.0
82.5°	16.6	16.2	15.8	15.3	14.8	14.2	13.6	13.0	12.3	11.6	10.9
80°	24.3	23.8	23.2	22.6	21.9	21.1	20.3	19.5	18.6	17.6	16.6
77.5°	44.6	42.4	40.1	37.5	34.8	31.7	28.5	25.9	24.8	23.6	22.4
75°	93.1	86.9	80.0	72.4	64.2	55.4	49.9	45.8	41.4	36.8	32.0
72.5°	167.0	156.9	145.7	133.5	120.2	108.9	97.8	86.0	73.6	60.5	50.2
70°	281.1	261.3	239.4	215.3	196.0	179.5	161.9	143.2	123.5	106.7	91.0
67.5°	450.3	418.1	382.4	347.4	317.8	286.1	252.1	216.1	189.5	166.1	141.7
65°	667.9	624.4	576.1	531.9	484.4	433.4	379.0	332.1	289.7	245.2	201.6
62.5°	918.7	864.7	808.1	749.4	685.9	617.8	550.0	486.2	419.0	351.1	299.8
60°	1185.1	1127.9	1062.0	990.0	912.1	829.3	749.4	665.0	576.1	498.5	418.1
57.5°	1433.8	1379.5	1310.0	1234.2	1152.3	1062.0	964.9	862.3	762.7	661.5	559.1
55°	1627.5	1577.1	1519.1	1455.9	1381.9	1286.5	1185.1	1076.2	959.4	837.4	723.2
52.5°	1778.8	1734.3	1685.3	1632.0	1561.5	1482.4	1396.2	1280.7	1159.7	1029.7	893.2
50°	1976.2	1912.1	1841.5	1770.1	1707.9	1641.7	1557.6	1462.6	1350.0	1214.7	1072.2
47.5°	2243.6	2145.6	2038.1	1946.1	1857.2	1768.3	1693.0	1612.2	1505.9	1392.0	1242.4
45°	2499.6	2404.9	2299.2	2173.5	2038.8	1927.9	1820.8	1727.7	1639.7	1527.7	1406.1
42.5°	2801.6	2661.3	2531.5	2410.7	2277.3	2124.2	1975.7	1856.2	1745.2	1648.3	1527.7
40°	3972.3	3025.1	2819.3	2641.5	2490.7	2344.5	2176.2	1999.8	1868.1	1745.2	1639.7
37.5°	6414.1	5017.6	3907.4	2934.7	2732.2	2539.3	2376.3	2193.6	1999.8	1856.2	1727.7
35°	9677.6	7875.4	6017.2	4507.6	3155.0	2778.0	2555.6	2376.3	2176.2	1975.7	1820.8
32.5°	13356.9	11182.3	8872.3	6746.7	4811.5	3303.0	2778.0	2539.3	2344.5	2124.2	1927.9
30°	17308.3	14733.5	12103.4	9428.9	6992.1	4811.5	3155.0	2732.2	2490.7	2277.3	2038.8
27.5°	21582.4	18413.2	15440.1	12413.5	9428.9	6746.7	4507.6	2934.7	2641.5	2410.7	2173.5
25°	26188.3	22462.0	18836.4	15440.1	12103.4	8872.3	6017.2	3907.4	2819.3	2531.5	2299.2
22.5°	31113.6	26726.8	22462.0	18413.2	14733.5	11182.3	7875.4	5017.6	3025.1	2661.3	2404.9
20°	36663.7	31113.6	26188.3	21582.4	17308.3	13356.9	9677.6	6414.1	3972.3	2801.6	2499.6
17.5°	43953.8	35935.3	29848.9	24595.6	19856.6	15524.5	11512.3	7854.1	4826.9	2927.9	2584.6
15°	51834.7	41549.3	33787.8	27649.3	22275.5	17472.0	13144.1	9137.5	5703.8	3369.0	2683.5
12.5°	61223.7	47690.4	37358.8	30327.9	24468.1	19284.8	14665.3	10438.6	6719.5	3968.8	2771.7
10°	69829.5	53883.3	41637.0	33084.8	26532.6	20908.6	15965.0	11522.2	7563.5	4466.2	2844.8
7.5°	78510.5	59801.7	45463.3	35290.2	28175.7	22196.6	16993.0	12377.3	8228.3	4857.4	2902.1
5°	84960.0	64165.0	48267.8	36899.6	29370.5	23130.6	17736.9	12994.9	8707.8	5139.2	2943.4
2.5°	88939.7	66841.8	49981.1	37879.6	30096.3	23696.9	18187.2	13368.3	8997.4	5309.3	2968.3
0°	90285.8	67744.4	50557.5	38208.8	30339.8	23886.7	18338.0	13493.3	9094.2	5366.1	2976.6
-2.5°	88939.7	66841.8	49981.1	37879.6	30096.3	23696.9	18187.2	13368.3	8997.4	5309.3	2968.3
-5°	84960.0	64165.0	48267.8	36899.6	29370.5	23130.6	17736.9	12994.9	8707.8	5139.2	2943.4
-7.5°	78510.5	59801.7	45463.3	35290.2	28175.7	22196.6	16993.0	12377.3	8228.3	4857.4	2902.1
-10°	69829.5	53883.3	41637.0	33084.8	26532.6	20908.6	15965.0	11522.2	7563.5	4466.2	2844.8
-12.5°	61223.7	47690.4	37358.8	30327.9	24468.1	19284.8	14665.3	10438.6	6719.5	3968.8	2771.7
-15°	51834.7	41549.3	33787.8	27649.3	22275.5	17472.0	13144.1	9137.5	5703.8	3369.0	2683.5
-17.5°	43953.8	35935.3	29848.9	24595.6	19856.6	15524.5	11512.3	7854.1	4826.9	2927.9	2584.6
-20°	36663.7	31113.6	26188.3	21582.4	17308.3	13356.9	9677.6	6414.1	3972.3	2801.6	2499.6



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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°	31113.6	26726.8	22462.0	18413.2	14733.5	11182.3	7875.4	5017.6	3025.1	2661.3	2404.9
-25°	26188.3	22462.0	18836.4	15440.1	12103.4	8872.3	6017.2	3907.4	2819.3	2531.5	2299.2
-27.5°	21582.4	18413.2	15440.1	12413.5	9428.9	6746.7	4507.6	2934.7	2641.5	2410.7	2173.5
-30°	17308.3	14733.5	12103.4	9428.9	6992.1	4811.5	3155.0	2732.2	2490.7	2277.3	2038.8
-32.5°	13356.9	11182.3	8872.3	6746.7	4811.5	3303.0	2778.0	2539.3	2344.5	2124.2	1927.9
-35°	9677.6	7875.4	6017.2	4507.6	3155.0	2778.0	2555.6	2376.3	2176.2	1975.7	1820.8
-37.5°	6414.1	5017.6	3907.4	2934.7	2732.2	2539.3	2376.3	2193.6	1999.8	1856.2	1727.7
-40°	3972.3	3025.1	2819.3	2641.5	2490.7	2344.5	2176.2	1999.8	1868.1	1745.2	1639.7
-42.5°	2801.6	2661.3	2531.5	2410.7	2277.3	2124.2	1975.7	1856.2	1745.2	1648.3	1527.7
-45°	2499.6	2404.9	2299.2	2173.5	2038.8	1927.9	1820.8	1727.7	1639.7	1527.7	1406.1
-47.5°	2243.6	2145.6	2038.1	1946.1	1857.2	1768.3	1693.0	1612.2	1505.9	1392.0	1242.4
-50°	1976.2	1912.1	1841.5	1770.1	1707.9	1641.7	1557.6	1462.6	1350.0	1214.7	1072.2
-52.5°	1778.8	1734.3	1685.3	1632.0	1561.5	1482.4	1396.2	1280.7	1159.7	1029.7	893.2
-55°	1627.5	1577.1	1519.1	1455.9	1381.9	1286.5	1185.1	1076.2	959.4	837.4	723.2
-57.5°	1433.8	1379.5	1310.0	1234.2	1152.3	1062.0	964.9	862.3	762.7	661.5	559.1
-60°	1185.1	1127.9	1062.0	990.0	912.1	829.3	749.4	665.0	576.1	498.5	418.1
-62.5°	918.7	864.7	808.1	749.4	685.9	617.8	550.0	486.2	419.0	351.1	299.8
-65°	667.9	624.4	576.1	531.9	484.4	433.4	379.0	332.1	289.7	245.2	201.6
-67.5°	450.3	418.1	382.4	347.4	317.8	286.1	252.1	216.1	189.5	166.1	141.7
-70°	281.1	261.3	239.4	215.3	196.0	179.5	161.9	143.2	123.5	106.7	91.0
-72.5°	167.0	156.9	145.7	133.5	120.2	108.9	97.8	86.0	73.6	60.5	50.2
-75°	93.1	86.9	80.0	72.4	64.2	55.4	49.9	45.8	41.4	36.8	32.0
-77.5°	44.6	42.4	40.1	37.5	34.8	31.7	28.5	25.9	24.8	23.6	22.4
-80°	24.3	23.8	23.2	22.6	21.9	21.1	20.3	19.5	18.6	17.6	16.6
-82.5°	16.6	16.2	15.8	15.3	14.8	14.2	13.6	13.0	12.3	11.6	10.9
-85°	9.3	9.1	9.0	8.8	8.6	8.3	8.1	7.8	7.6	7.3	7.0
-87.5°	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.6	3.5
-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: P1305404 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-640L-57-70-4S-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°	3.3	3.1	3.0	2.8	2.6	2.4	2.3	2.1	1.9	1.7	1.5
85°	6.7	6.3	6.0	5.6	5.3	4.9	4.5	4.1	3.7	3.3	2.9
82.5°	10.1	9.5	9.0	8.5	7.9	7.4	6.8	6.2	5.6	5.0	4.4
80°	15.6	14.5	13.4	12.2	11.1	9.9	9.1	8.3	7.5	6.7	5.9
77.5°	21.1	19.7	18.3	16.9	15.4	13.9	12.3	10.7	9.4	8.4	7.4
75°	27.0	24.9	23.2	21.5	19.7	17.9	16.0	14.1	12.1	10.2	8.8
72.5°	44.4	38.3	32.1	26.1	24.0	21.9	19.7	17.4	15.2	12.9	10.5
70°	74.7	57.7	47.5	40.1	32.5	25.8	23.3	20.8	18.2	15.5	12.9
67.5°	116.4	97.3	77.6	57.2	45.9	37.1	28.2	24.0	21.1	18.2	15.2
65°	173.3	143.9	114.4	91.9	68.6	49.4	39.5	29.3	24.0	20.8	17.4
62.5°	246.6	197.3	163.9	129.5	100.5	74.4	50.6	39.5	28.2	23.3	19.7
60°	341.3	281.1	219.0	176.0	137.5	103.4	74.4	49.4	37.1	25.8	21.9
57.5°	468.4	374.6	302.0	232.8	180.0	137.5	100.5	68.6	45.9	32.5	24.0
55°	605.2	498.8	394.8	308.9	232.8	176.0	129.5	91.9	57.2	40.1	26.1
52.5°	760.6	629.9	509.0	394.8	302.0	219.0	163.9	114.4	77.6	47.5	32.1
50°	921.4	773.1	629.9	498.8	374.6	281.1	197.3	143.9	97.3	57.7	38.3
47.5°	1086.5	921.4	760.6	605.2	468.4	341.3	246.6	173.3	116.4	74.7	44.4
45°	1242.4	1072.2	893.2	723.2	559.1	418.1	299.8	201.6	141.7	91.0	50.2
42.5°	1392.0	1214.7	1029.7	837.4	661.5	498.5	351.1	245.2	166.1	106.7	60.5
40°	1505.9	1350.0	1159.7	959.4	762.7	576.1	419.0	289.7	189.5	123.5	73.6
37.5°	1612.2	1462.6	1280.7	1076.2	862.3	665.0	486.2	332.1	216.1	143.2	86.0
35°	1693.0	1557.6	1396.2	1185.1	964.9	749.4	550.0	379.0	252.1	161.9	97.8
32.5°	1768.3	1641.7	1482.4	1286.5	1062.0	829.3	617.8	433.4	286.1	179.5	108.9
30°	1857.2	1707.9	1561.5	1381.9	1152.3	912.1	685.9	484.4	317.8	196.0	120.2
27.5°	1946.1	1770.1	1632.0	1455.9	1234.2	990.0	749.4	531.9	347.4	215.3	133.5
25°	2038.1	1841.5	1685.3	1519.1	1310.0	1062.0	808.1	576.1	382.4	239.4	145.7
22.5°	2145.6	1912.1	1734.3	1577.1	1379.5	1127.9	864.7	624.4	418.1	261.3	156.9
20°	2243.6	1976.2	1778.8	1627.5	1433.8	1185.1	918.7	667.9	450.3	281.1	167.0
17.5°	2329.9	2044.8	1829.3	1664.0	1476.7	1236.2	966.7	706.7	478.9	298.7	176.0
15°	2398.9	2115.8	1875.5	1695.9	1514.3	1280.7	1008.7	740.5	503.9	314.0	183.8
12.5°	2458.1	2176.6	1915.1	1723.1	1546.3	1318.7	1044.4	769.3	525.2	327.0	190.4
10°	2507.0	2226.8	1947.7	1745.6	1572.6	1350.0	1073.8	793.0	542.6	337.7	195.9
7.5°	2545.3	2266.1	1973.2	1763.2	1593.2	1374.5	1096.8	811.5	556.3	346.1	200.1
5°	2572.9	2294.4	1991.6	1775.8	1608.0	1392.0	1113.3	824.8	566.1	352.1	203.2
2.5°	2589.5	2311.4	2002.6	1783.4	1616.9	1402.6	1123.2	832.7	571.9	355.7	205.0
0°	2595.1	2317.1	2006.3	1785.9	1619.9	1406.1	1126.5	835.4	573.9	356.9	205.6
-2.5°	2589.5	2311.4	2002.6	1783.4	1616.9	1402.6	1123.2	832.7	571.9	355.7	205.0
-5°	2572.9	2294.4	1991.6	1775.8	1608.0	1392.0	1113.3	824.8	566.1	352.1	203.2
-7.5°	2545.3	2266.1	1973.2	1763.2	1593.2	1374.5	1096.8	811.5	556.3	346.1	200.1
-10°	2507.0	2226.8	1947.7	1745.6	1572.6	1350.0	1073.8	793.0	542.6	337.7	195.9
-12.5°	2458.1	2176.6	1915.1	1723.1	1546.3	1318.7	1044.4	769.3	525.2	327.0	190.4
-15°	2398.9	2115.8	1875.5	1695.9	1514.3	1280.7	1008.7	740.5	503.9	314.0	183.8
-17.5°	2329.9	2044.8	1829.3	1664.0	1476.7	1236.2	966.7	706.7	478.9	298.7	176.0
-20°	2243.6	1976.2	1778.8	1627.5	1433.8	1185.1	918.7	667.9	450.3	281.1	167.0



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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°	2145.6	1912.1	1734.3	1577.1	1379.5	1127.9	864.7	624.4	418.1	261.3	156.9
-25°	2038.1	1841.5	1685.3	1519.1	1310.0	1062.0	808.1	576.1	382.4	239.4	145.7
-27.5°	1946.1	1770.1	1632.0	1455.9	1234.2	990.0	749.4	531.9	347.4	215.3	133.5
-30°	1857.2	1707.9	1561.5	1381.9	1152.3	912.1	685.9	484.4	317.8	196.0	120.2
-32.5°	1768.3	1641.7	1482.4	1286.5	1062.0	829.3	617.8	433.4	286.1	179.5	108.9
-35°	1693.0	1557.6	1396.2	1185.1	964.9	749.4	550.0	379.0	252.1	161.9	97.8
-37.5°	1612.2	1462.6	1280.7	1076.2	862.3	665.0	486.2	332.1	216.1	143.2	86.0
-40°	1505.9	1350.0	1159.7	959.4	762.7	576.1	419.0	289.7	189.5	123.5	73.6
-42.5°	1392.0	1214.7	1029.7	837.4	661.5	498.5	351.1	245.2	166.1	106.7	60.5
-45°	1242.4	1072.2	893.2	723.2	559.1	418.1	299.8	201.6	141.7	91.0	50.2
-47.5°	1086.5	921.4	760.6	605.2	468.4	341.3	246.6	173.3	116.4	74.7	44.4
-50°	921.4	773.1	629.9	498.8	374.6	281.1	197.3	143.9	97.3	57.7	38.3
-52.5°	760.6	629.9	509.0	394.8	302.0	219.0	163.9	114.4	77.6	47.5	32.1
-55°	605.2	498.8	394.8	308.9	232.8	176.0	129.5	91.9	57.2	40.1	26.1
-57.5°	468.4	374.6	302.0	232.8	180.0	137.5	100.5	68.6	45.9	32.5	24.0
-60°	341.3	281.1	219.0	176.0	137.5	103.4	74.4	49.4	37.1	25.8	21.9
-62.5°	246.6	197.3	163.9	129.5	100.5	74.4	50.6	39.5	28.2	23.3	19.7
-65°	173.3	143.9	114.4	91.9	68.6	49.4	39.5	29.3	24.0	20.8	17.4
-67.5°	116.4	97.3	77.6	57.2	45.9	37.1	28.2	24.0	21.1	18.2	15.2
-70°	74.7	57.7	47.5	40.1	32.5	25.8	23.3	20.8	18.2	15.5	12.9
-72.5°	44.4	38.3	32.1	26.1	24.0	21.9	19.7	17.4	15.2	12.9	10.5
-75°	27.0	24.9	23.2	21.5	19.7	17.9	16.0	14.1	12.1	10.2	8.8
-77.5°	21.1	19.7	18.3	16.9	15.4	13.9	12.3	10.7	9.4	8.4	7.4
-80°	15.6	14.5	13.4	12.2	11.1	9.9	9.1	8.3	7.5	6.7	5.9
-82.5°	10.1	9.5	9.0	8.5	7.9	7.4	6.8	6.2	5.6	5.0	4.4
-85°	6.7	6.3	6.0	5.6	5.3	4.9	4.5	4.1	3.7	3.3	2.9
-87.5°	3.3	3.1	3.0	2.8	2.6	2.4	2.3	2.1	1.9	1.7	1.5
-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):

	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°	1.3	1.1	0.9	0.6	0.4	0.2	0.0
85°	2.5	2.1	1.7	1.3	0.9	0.4	0.0
82.5°	3.8	3.2	2.5	1.9	1.3	0.6	0.0
80°	5.1	4.2	3.4	2.5	1.7	0.9	0.0
77.5°	6.3	5.3	4.2	3.2	2.1	1.1	0.0
75°	7.6	6.3	5.1	3.8	2.5	1.3	0.0
72.5°	8.8	7.4	5.9	4.4	2.9	1.5	0.0
70°	10.2	8.4	6.7	5.0	3.3	1.7	0.0
67.5°	12.1	9.4	7.5	5.6	3.7	1.9	0.0
65°	14.1	10.7	8.3	6.2	4.1	2.1	0.0
62.5°	16.0	12.3	9.1	6.8	4.5	2.3	0.0
60°	17.9	13.9	9.9	7.4	4.9	2.4	0.0
57.5°	19.7	15.4	11.1	7.9	5.3	2.6	0.0
55°	21.5	16.9	12.2	8.5	5.6	2.8	0.0
52.5°	23.2	18.3	13.4	9.0	6.0	3.0	0.0
50°	24.9	19.7	14.5	9.5	6.3	3.1	0.0
47.5°	27.0	21.1	15.6	10.1	6.7	3.3	0.0
45°	32.0	22.4	16.6	10.9	7.0	3.5	0.0
42.5°	36.8	23.6	17.6	11.6	7.3	3.6	0.0
40°	41.4	24.8	18.6	12.3	7.6	3.8	0.0
37.5°	45.8	25.9	19.5	13.0	7.8	3.9	0.0
35°	49.9	28.5	20.3	13.6	8.1	4.0	0.0
32.5°	55.4	31.7	21.1	14.2	8.3	4.1	0.0
30°	64.2	34.8	21.9	14.8	8.6	4.2	0.0
27.5°	72.4	37.5	22.6	15.3	8.8	4.3	0.0
25°	80.0	40.1	23.2	15.8	9.0	4.4	0.0
22.5°	86.9	42.4	23.8	16.2	9.1	4.5	0.0
20°	93.1	44.6	24.3	16.6	9.3	4.6	0.0
17.5°	98.6	46.4	24.8	17.0	9.4	4.7	0.0
15°	103.4	48.1	25.2	17.3	9.6	4.7	0.0
12.5°	107.5	49.4	25.5	17.5	9.7	4.8	0.0
10°	110.8	50.6	25.8	17.7	9.7	4.8	0.0
7.5°	113.4	51.5	26.0	17.9	9.8	4.9	0.0
5°	115.3	52.1	26.2	18.0	9.9	4.9	0.0
2.5°	116.4	52.5	26.3	18.1	9.9	4.9	0.0
0°	116.8	52.6	26.3	18.1	9.9	4.9	0.0
-2.5°	116.4	52.5	26.3	18.1	9.9	4.9	0.0
-5°	115.3	52.1	26.2	18.0	9.9	4.9	0.0
-7.5°	113.4	51.5	26.0	17.9	9.8	4.9	0.0
-10°	110.8	50.6	25.8	17.7	9.7	4.8	0.0
-12.5°	107.5	49.4	25.5	17.5	9.7	4.8	0.0
-15°	103.4	48.1	25.2	17.3	9.6	4.7	0.0
-17.5°	98.6	46.4	24.8	17.0	9.4	4.7	0.0
-20°	93.1	44.6	24.3	16.6	9.3	4.6	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	86.9	42.4	23.8	16.2	9.1	4.5	0.0
-25°	80.0	40.1	23.2	15.8	9.0	4.4	0.0
-27.5°	72.4	37.5	22.6	15.3	8.8	4.3	0.0
-30°	64.2	34.8	21.9	14.8	8.6	4.2	0.0
-32.5°	55.4	31.7	21.1	14.2	8.3	4.1	0.0
-35°	49.9	28.5	20.3	13.6	8.1	4.0	0.0
-37.5°	45.8	25.9	19.5	13.0	7.8	3.9	0.0
-40°	41.4	24.8	18.6	12.3	7.6	3.8	0.0
-42.5°	36.8	23.6	17.6	11.6	7.3	3.6	0.0
-45°	32.0	22.4	16.6	10.9	7.0	3.5	0.0
-47.5°	27.0	21.1	15.6	10.1	6.7	3.3	0.0
-50°	24.9	19.7	14.5	9.5	6.3	3.1	0.0
-52.5°	23.2	18.3	13.4	9.0	6.0	3.0	0.0
-55°	21.5	16.9	12.2	8.5	5.6	2.8	0.0
-57.5°	19.7	15.4	11.1	7.9	5.3	2.6	0.0
-60°	17.9	13.9	9.9	7.4	4.9	2.4	0.0
-62.5°	16.0	12.3	9.1	6.8	4.5	2.3	0.0
-65°	14.1	10.7	8.3	6.2	4.1	2.1	0.0
-67.5°	12.1	9.4	7.5	5.6	3.7	1.9	0.0
-70°	10.2	8.4	6.7	5.0	3.3	1.7	0.0
-72.5°	8.8	7.4	5.9	4.4	2.9	1.5	0.0
-75°	7.6	6.3	5.1	3.8	2.5	1.3	0.0
-77.5°	6.3	5.3	4.2	3.2	2.1	1.1	0.0
-80°	5.1	4.2	3.4	2.5	1.7	0.9	0.0
-82.5°	3.8	3.2	2.5	1.9	1.3	0.6	0.0
-85°	2.5	2.1	1.7	1.3	0.9	0.4	0.0
-87.5°	1.3	1.1	0.9	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)