

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: P1305956 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680N-40-70-4S-HEG-A**

Issue Date: 2/3/2026

Test Information

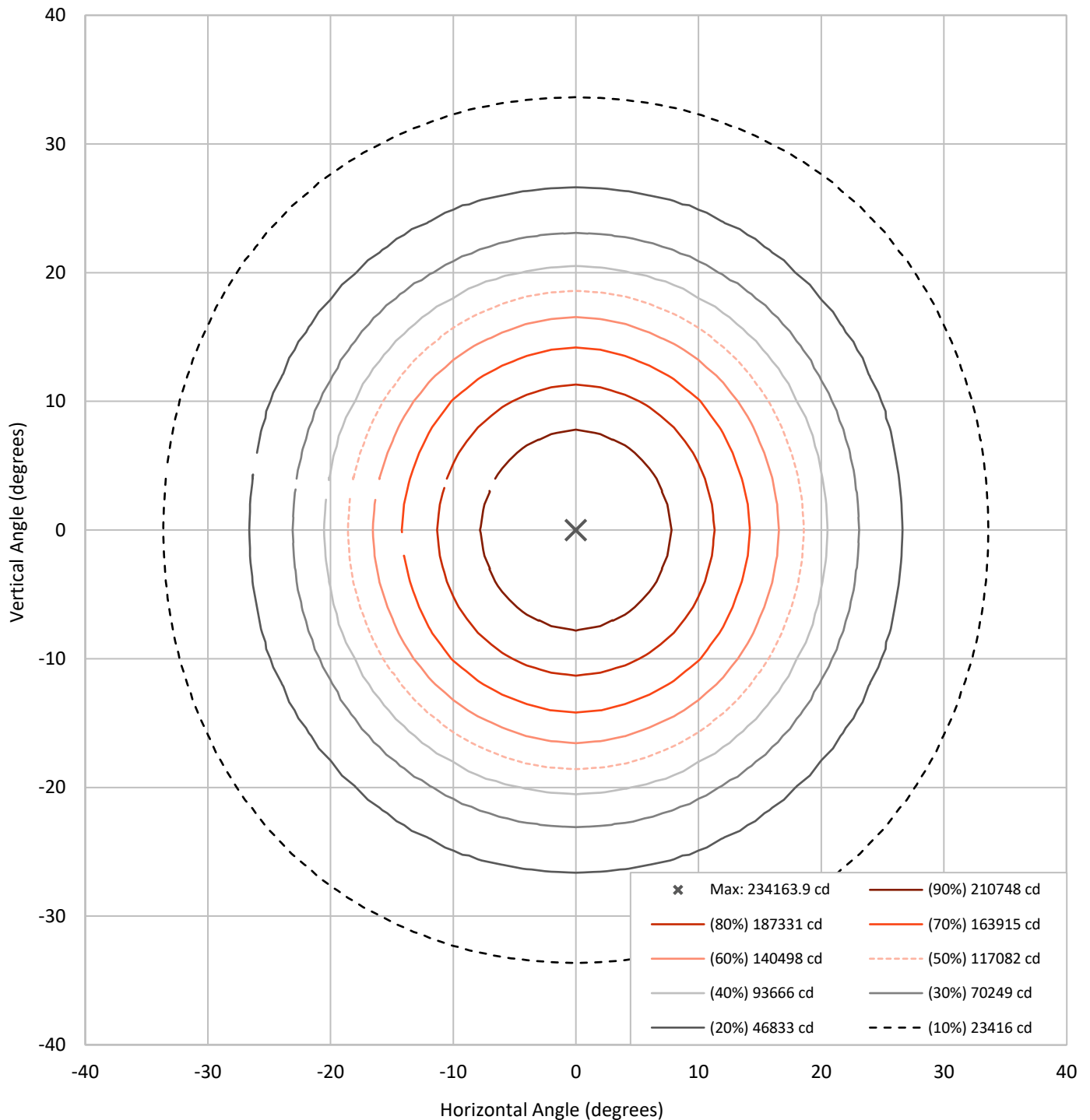
Test Method: LM-79-08
Report Number: P1305956 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-4)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-680N-40-70-4S-HEG-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 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:	108139.1 lumens	Max Intensity:	234163.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	157.2 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:	56296.2 lumens	Field Lumens:	94568.2 lumens
Beam Efficiency:	52.1%	Field Efficiency:	87.5%
Input Watts (W):	688		
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





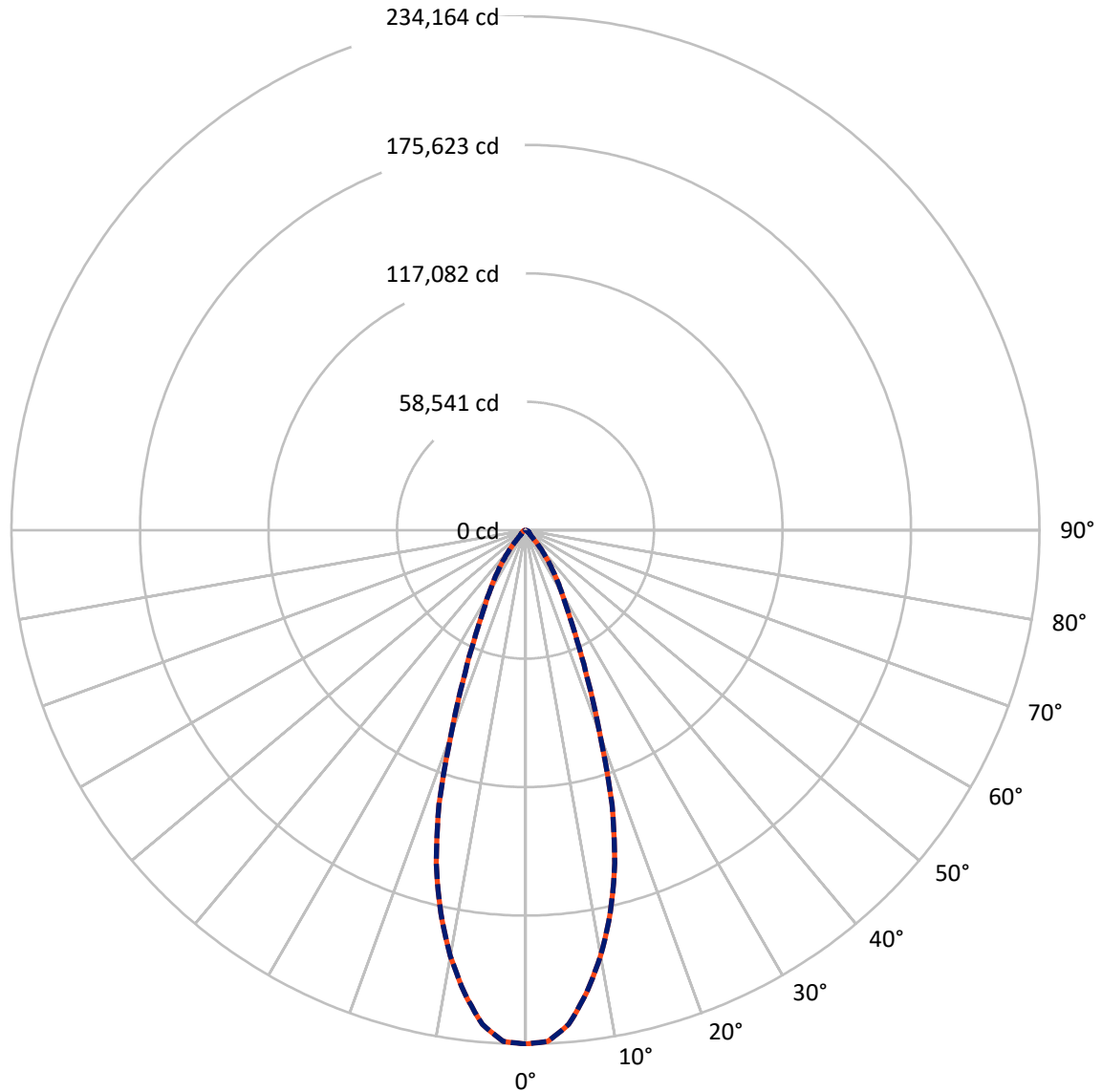
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Lumen Table

90	0.1	0.8	3.2	7.7	10.0	7.7	3.2	0.8	0.1							
80	0.1	0.8	3.2	7.7	10.0	7.7	3.2	0.8	0.1							
70	0.4	0.5	1.9	5.4	11.2	18.3	24.4	27.9	27.9	24.4	18.3	11.2	5.4	1.9	0.5	0.4
60		1.5	6.4	17.4	31.9	44.9	54.4	59.7	59.7	54.4	44.9	31.9	17.4	6.4	1.5	
50	1.1	3.3	14.2	32.4	50.4	69.9	100.5	132.5	132.5	100.5	69.9	50.4	32.4	14.2	3.3	1.1
40		6.0	22.6	43.6	75.6	203.4	430.4	597.1	597.1	430.4	203.4	75.6	43.6	22.6	6.0	
30	2.2	8.8	28.7	54.8	185.2	578.7	1131.7	1682.9	1682.9	1131.7	578.7	185.2	54.8	28.7	8.8	2.2
20		11.1	32.6	74.4	368.7	1065.6	2639.0	4332.1	4332.1	2639.0	1065.6	368.7	74.4	32.6	11.1	
10	2.8	12.3	34.7	95.9	496.2	1540.9	4209.7	6341.1	6341.1	4209.7	1540.9	496.2	95.9	34.7	12.3	2.8
0		12.3	34.7	95.9	496.2	1540.9	4209.7	6341.1	6341.1	4209.7	1540.9	496.2	95.9	34.7	12.3	
-10	2.2	11.1	32.6	74.4	368.7	1065.6	2639.0	4332.1	4332.1	2639.0	1065.6	368.7	74.4	32.6	11.1	2.2
-20		8.8	28.7	54.8	185.2	578.7	1131.7	1682.9	1682.9	1131.7	578.7	185.2	54.8	28.7	8.8	
-30	1.1	6.0	22.6	43.6	75.6	203.4	430.4	597.1	597.1	430.4	203.4	75.6	43.6	22.6	6.0	1.1
-40		3.3	14.2	32.4	50.4	69.9	100.5	132.5	132.5	100.5	69.9	50.4	32.4	14.2	3.3	
-50	0.4	1.5	6.4	17.4	31.9	44.9	54.4	59.7	59.7	54.4	44.9	31.9	17.4	6.4	1.5	0.4
-60		0.5	1.9	5.4	11.2	18.3	24.4	27.9	27.9	24.4	18.3	11.2	5.4	1.9	0.5	
-70	0.1	0.8	3.2	7.7	10.0	7.7	3.2	0.8	0.1							
-80		0.1	0.8	3.2	7.7	10.0	7.7	3.2	0.8	0.1						
-90	0.1	0.8	3.2	7.7	10.0	7.7	3.2	0.8	0.1							

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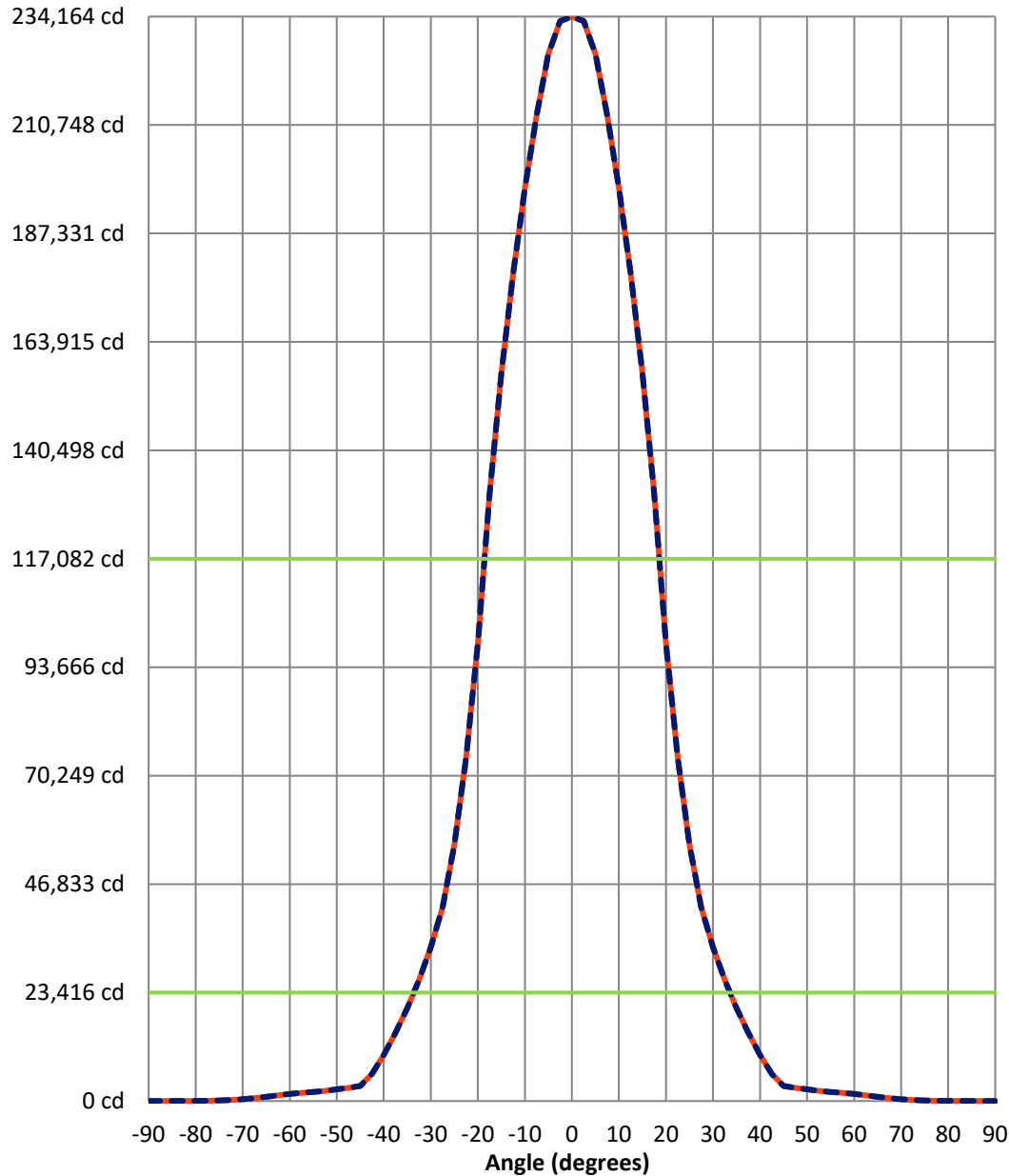
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 37.2°
V Angle: 37.2°
Lumens: 56296.2
Efficiency: 52.1%

Field:
H Angle: 67.2°
V Angle: 67.2°
Lumens: 94568.2
Efficiency: 87.5%

Spill:
Lumens: 13570.9
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	0.5	0.7	0.9	1.2	1.4	1.6	1.8	2.1	2.3
85°	0.0	0.5	0.9	1.4	1.9	2.3	2.8	3.2	3.7	4.1	4.6
82.5°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.5	6.2	6.8
80°	0.0	0.9	1.9	2.8	3.7	4.7	5.6	6.5	7.4	8.2	9.1
77.5°	0.0	1.2	2.3	3.5	4.7	5.8	6.9	8.1	9.2	10.3	11.7
75°	0.0	1.4	2.8	4.2	5.6	6.9	8.3	9.6	11.1	13.3	15.4
72.5°	0.0	1.6	3.2	4.9	6.5	8.1	9.6	11.5	14.1	16.6	19.1
70°	0.0	1.8	3.7	5.5	7.4	9.2	11.1	14.1	17.0	19.9	22.7
67.5°	0.0	2.1	4.1	6.2	8.2	10.3	13.3	16.6	19.9	23.1	26.3
65°	0.0	2.3	4.6	6.8	9.1	11.7	15.4	19.1	22.7	26.3	32.1
62.5°	0.0	2.5	5.0	7.5	9.9	13.4	17.5	21.5	25.5	30.8	43.2
60°	0.0	2.7	5.4	8.1	10.8	15.2	19.6	23.9	28.2	40.7	54.1
57.5°	0.0	2.9	5.8	8.7	12.1	16.8	21.6	26.3	35.6	50.3	75.1
55°	0.0	3.1	6.2	9.3	13.4	18.5	23.5	28.6	43.9	62.6	100.5
52.5°	0.0	3.3	6.6	9.8	14.6	20.1	25.4	35.1	52.0	84.9	125.2
50°	0.0	3.5	6.9	10.4	15.9	21.6	27.3	42.0	63.2	106.5	157.5
47.5°	0.0	3.6	7.3	11.0	17.1	23.1	29.6	48.6	81.7	127.3	189.6
45°	0.0	3.8	7.6	11.9	18.2	24.5	35.1	55.0	99.6	155.0	220.6
42.5°	0.0	4.0	8.0	12.7	19.3	25.9	40.3	66.3	116.7	181.8	268.4
40°	0.0	4.1	8.3	13.5	20.3	27.2	45.3	80.6	135.1	207.4	317.0
37.5°	0.0	4.3	8.6	14.2	21.3	28.4	50.1	94.2	156.7	236.5	363.4
35°	0.0	4.4	8.8	14.9	22.2	31.2	54.6	107.0	177.2	275.9	414.8
32.5°	0.0	4.6	9.1	15.6	23.1	34.8	60.6	119.1	196.4	313.1	474.4
30°	0.0	4.7	9.4	16.2	23.9	38.1	70.3	131.5	214.5	347.8	530.3
27.5°	0.0	4.8	9.6	16.7	24.7	41.1	79.3	146.1	235.6	380.2	582.3
25°	0.0	4.9	9.8	17.3	25.4	43.9	87.5	159.5	261.9	418.5	630.7
22.5°	0.0	5.0	10.0	17.7	26.0	46.5	95.1	171.7	286.0	457.6	683.5
20°	0.0	5.1	10.1	18.2	26.6	48.8	101.9	182.8	307.6	492.9	731.2
17.5°	0.0	5.1	10.3	18.5	27.1	50.8	107.9	192.6	326.9	524.3	773.6
15°	0.0	5.2	10.4	18.9	27.6	52.6	113.1	201.1	343.6	551.6	810.7
12.5°	0.0	5.3	10.5	19.2	27.9	54.1	117.6	208.4	357.9	574.9	842.2
10°	0.0	5.3	10.6	19.4	28.2	55.4	121.3	214.3	369.6	594.1	868.1
7.5°	0.0	5.4	10.7	19.6	28.5	56.3	124.1	219.0	378.8	609.0	888.4
5°	0.0	5.4	10.8	19.7	28.7	57.0	126.2	222.3	385.3	619.7	902.9
2.5°	0.0	5.4	10.8	19.8	28.8	57.5	127.4	224.3	389.3	626.2	911.6
0°	0.0	5.4	10.8	19.8	28.8	57.6	127.8	225.0	390.6	628.3	914.5
-2.5°	0.0	5.4	10.8	19.8	28.8	57.5	127.4	224.3	389.3	626.2	911.6
-5°	0.0	5.4	10.8	19.7	28.7	57.0	126.2	222.3	385.3	619.7	902.9
-7.5°	0.0	5.4	10.7	19.6	28.5	56.3	124.1	219.0	378.8	609.0	888.4
-10°	0.0	5.3	10.6	19.4	28.2	55.4	121.3	214.3	369.6	594.1	868.1
-12.5°	0.0	5.3	10.5	19.2	27.9	54.1	117.6	208.4	357.9	574.9	842.2
-15°	0.0	5.2	10.4	18.9	27.6	52.6	113.1	201.1	343.6	551.6	810.7
-17.5°	0.0	5.1	10.3	18.5	27.1	50.8	107.9	192.6	326.9	524.3	773.6
-20°	0.0	5.1	10.1	18.2	26.6	48.8	101.9	182.8	307.6	492.9	731.2



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 CATALOG NUMBER: EPH-08-680N-40-70-4S-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	5.0	10.0	17.7	26.0	46.5	95.1	171.7	286.0	457.6	683.5
-25°	0.0	4.9	9.8	17.3	25.4	43.9	87.5	159.5	261.9	418.5	630.7
-27.5°	0.0	4.8	9.6	16.7	24.7	41.1	79.3	146.1	235.6	380.2	582.3
-30°	0.0	4.7	9.4	16.2	23.9	38.1	70.3	131.5	214.5	347.8	530.3
-32.5°	0.0	4.6	9.1	15.6	23.1	34.8	60.6	119.1	196.4	313.1	474.4
-35°	0.0	4.4	8.8	14.9	22.2	31.2	54.6	107.0	177.2	275.9	414.8
-37.5°	0.0	4.3	8.6	14.2	21.3	28.4	50.1	94.2	156.7	236.5	363.4
-40°	0.0	4.1	8.3	13.5	20.3	27.2	45.3	80.6	135.1	207.4	317.0
-42.5°	0.0	4.0	8.0	12.7	19.3	25.9	40.3	66.3	116.7	181.8	268.4
-45°	0.0	3.8	7.6	11.9	18.2	24.5	35.1	55.0	99.6	155.0	220.6
-47.5°	0.0	3.6	7.3	11.0	17.1	23.1	29.6	48.6	81.7	127.3	189.6
-50°	0.0	3.5	6.9	10.4	15.9	21.6	27.3	42.0	63.2	106.5	157.5
-52.5°	0.0	3.3	6.6	9.8	14.6	20.1	25.4	35.1	52.0	84.9	125.2
-55°	0.0	3.1	6.2	9.3	13.4	18.5	23.5	28.6	43.9	62.6	100.5
-57.5°	0.0	2.9	5.8	8.7	12.1	16.8	21.6	26.3	35.6	50.3	75.1
-60°	0.0	2.7	5.4	8.1	10.8	15.2	19.6	23.9	28.2	40.7	54.1
-62.5°	0.0	2.5	5.0	7.5	9.9	13.4	17.5	21.5	25.5	30.8	43.2
-65°	0.0	2.3	4.6	6.8	9.1	11.7	15.4	19.1	22.7	26.3	32.1
-67.5°	0.0	2.1	4.1	6.2	8.2	10.3	13.3	16.6	19.9	23.1	26.3
-70°	0.0	1.8	3.7	5.5	7.4	9.2	11.1	14.1	17.0	19.9	22.7
-72.5°	0.0	1.6	3.2	4.9	6.5	8.1	9.6	11.5	14.1	16.6	19.1
-75°	0.0	1.4	2.8	4.2	5.6	6.9	8.3	9.6	11.1	13.3	15.4
-77.5°	0.0	1.2	2.3	3.5	4.7	5.8	6.9	8.1	9.2	10.3	11.7
-80°	0.0	0.9	1.9	2.8	3.7	4.7	5.6	6.5	7.4	8.2	9.1
-82.5°	0.0	0.7	1.4	2.1	2.8	3.5	4.2	4.9	5.5	6.2	6.8
-85°	0.0	0.5	0.9	1.4	1.9	2.3	2.8	3.2	3.7	4.1	4.6
-87.5°	0.0	0.2	0.5	0.7	0.9	1.2	1.4	1.6	1.8	2.1	2.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-08-680N-40-70-4S-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°	2.5	2.7	2.9	3.1	3.3	3.5	3.6	3.8	4.0	4.1	4.3
85°	5.0	5.4	5.8	6.2	6.6	6.9	7.3	7.6	8.0	8.3	8.6
82.5°	7.5	8.1	8.7	9.3	9.8	10.4	11.0	11.9	12.7	13.5	14.2
80°	9.9	10.8	12.1	13.4	14.6	15.9	17.1	18.2	19.3	20.3	21.3
77.5°	13.4	15.2	16.8	18.5	20.1	21.6	23.1	24.5	25.9	27.2	28.4
75°	17.5	19.6	21.6	23.5	25.4	27.3	29.6	35.1	40.3	45.3	50.1
72.5°	21.5	23.9	26.3	28.6	35.1	42.0	48.6	55.0	66.3	80.6	94.2
70°	25.5	28.2	35.6	43.9	52.0	63.2	81.7	99.6	116.7	135.1	156.7
67.5°	30.8	40.7	50.3	62.6	84.9	106.5	127.3	155.0	181.8	207.4	236.5
65°	43.2	54.1	75.1	100.5	125.2	157.5	189.6	220.6	268.4	317.0	363.4
62.5°	55.4	81.4	110.0	141.7	179.3	215.9	269.8	328.1	384.2	458.6	532.2
60°	81.4	113.1	150.5	192.6	239.6	307.6	373.5	457.6	545.7	630.7	728.0
57.5°	110.0	150.5	197.0	254.8	330.5	410.0	512.7	612.1	724.1	834.9	943.9
55°	141.7	192.6	254.8	338.1	432.1	546.0	662.6	791.7	916.6	1050.2	1178.1
52.5°	179.3	239.6	330.5	432.1	557.2	689.6	832.6	977.8	1127.1	1269.4	1401.9
50°	215.9	307.6	410.0	546.0	689.6	846.3	1008.6	1173.7	1329.6	1477.7	1601.0
47.5°	269.8	373.5	512.7	662.6	832.6	1008.6	1189.3	1359.9	1523.7	1648.4	1764.8
45°	328.1	457.6	612.1	791.7	977.8	1173.7	1359.9	1539.1	1672.2	1794.9	1891.3
42.5°	384.2	545.7	724.1	916.6	1127.1	1329.6	1523.7	1672.2	1804.3	1910.5	2031.9
40°	458.6	630.7	834.9	1050.2	1269.4	1477.7	1648.4	1794.9	1910.5	2044.9	2189.1
37.5°	532.2	728.0	943.9	1178.1	1401.9	1601.0	1764.8	1891.3	2031.9	2189.1	2401.2
35°	602.1	820.4	1056.2	1297.3	1528.3	1705.0	1853.3	1993.2	2162.7	2382.1	2601.2
32.5°	676.3	907.8	1162.5	1408.2	1622.6	1797.1	1935.8	2110.4	2325.3	2566.4	2779.5
30°	750.9	998.5	1261.3	1512.7	1709.2	1869.6	2033.0	2231.8	2492.9	2726.3	2990.7
27.5°	820.4	1083.7	1351.0	1593.6	1786.4	1937.6	2130.3	2379.2	2638.8	2891.4	3212.5
25°	884.6	1162.5	1433.9	1662.8	1844.9	2015.9	2231.0	2516.8	2771.0	3086.1	4277.1
22.5°	946.6	1234.6	1510.0	1726.4	1898.5	2093.1	2348.7	2632.5	2913.1	3311.4	5492.4
20°	1005.7	1297.3	1569.5	1781.5	1947.2	2163.3	2455.9	2736.1	3066.7	4348.3	7021.1
17.5°	1058.2	1353.1	1616.4	1821.4	2002.4	2238.3	2550.4	2829.2	3204.9	5283.7	8597.3
15°	1104.2	1401.9	1657.5	1856.4	2053.1	2316.1	2625.9	2937.4	3687.8	6243.6	10002.2
12.5°	1143.3	1443.5	1692.6	1886.2	2096.3	2382.6	2690.6	3034.0	4344.3	7355.4	11426.5
10°	1175.5	1477.7	1721.4	1910.8	2132.0	2437.5	2744.2	3113.9	4888.8	8279.2	12612.6
7.5°	1200.6	1504.5	1744.0	1930.1	2160.0	2480.6	2786.1	3176.7	5317.0	9006.9	13548.6
5°	1218.6	1523.7	1760.2	1943.9	2180.1	2511.5	2816.3	3221.9	5625.5	9531.8	14224.7
2.5°	1229.5	1535.2	1769.9	1952.2	2192.2	2530.2	2834.5	3249.2	5811.7	9848.8	14633.5
0°	1233.1	1539.1	1773.2	1955.0	2196.2	2536.4	2840.6	3258.3	5873.9	9954.8	14770.3
-2.5°	1229.5	1535.2	1769.9	1952.2	2192.2	2530.2	2834.5	3249.2	5811.7	9848.8	14633.5
-5°	1218.6	1523.7	1760.2	1943.9	2180.1	2511.5	2816.3	3221.9	5625.5	9531.8	14224.7
-7.5°	1200.6	1504.5	1744.0	1930.1	2160.0	2480.6	2786.1	3176.7	5317.0	9006.9	13548.6
-10°	1175.5	1477.7	1721.4	1910.8	2132.0	2437.5	2744.2	3113.9	4888.8	8279.2	12612.6
-12.5°	1143.3	1443.5	1692.6	1886.2	2096.3	2382.6	2690.6	3034.0	4344.3	7355.4	11426.5
-15°	1104.2	1401.9	1657.5	1856.4	2053.1	2316.1	2625.9	2937.4	3687.8	6243.6	10002.2
-17.5°	1058.2	1353.1	1616.4	1821.4	2002.4	2238.3	2550.4	2829.2	3204.9	5283.7	8597.3
-20°	1005.7	1297.3	1569.5	1781.5	1947.2	2163.3	2455.9	2736.1	3066.7	4348.3	7021.1



REPORT NUMBER: P1305956 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-4S-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	946.6	1234.6	1510.0	1726.4	1898.5	2093.1	2348.7	2632.5	2913.1	3311.4	5492.4
-25°	884.6	1162.5	1433.9	1662.8	1844.9	2015.9	2231.0	2516.8	2771.0	3086.1	4277.1
-27.5°	820.4	1083.7	1351.0	1593.6	1786.4	1937.6	2130.3	2379.2	2638.8	2891.4	3212.5
-30°	750.9	998.5	1261.3	1512.7	1709.2	1869.6	2033.0	2231.8	2492.9	2726.3	2990.7
-32.5°	676.3	907.8	1162.5	1408.2	1622.6	1797.1	1935.8	2110.4	2325.3	2566.4	2779.5
-35°	602.1	820.4	1056.2	1297.3	1528.3	1705.0	1853.3	1993.2	2162.7	2382.1	2601.2
-37.5°	532.2	728.0	943.9	1178.1	1401.9	1601.0	1764.8	1891.3	2031.9	2189.1	2401.2
-40°	458.6	630.7	834.9	1050.2	1269.4	1477.7	1648.4	1794.9	1910.5	2044.9	2189.1
-42.5°	384.2	545.7	724.1	916.6	1127.1	1329.6	1523.7	1672.2	1804.3	1910.5	2031.9
-45°	328.1	457.6	612.1	791.7	977.8	1173.7	1359.9	1539.1	1672.2	1794.9	1891.3
-47.5°	269.8	373.5	512.7	662.6	832.6	1008.6	1189.3	1359.9	1523.7	1648.4	1764.8
-50°	215.9	307.6	410.0	546.0	689.6	846.3	1008.6	1173.7	1329.6	1477.7	1601.0
-52.5°	179.3	239.6	330.5	432.1	557.2	689.6	832.6	977.8	1127.1	1269.4	1401.9
-55°	141.7	192.6	254.8	338.1	432.1	546.0	662.6	791.7	916.6	1050.2	1178.1
-57.5°	110.0	150.5	197.0	254.8	330.5	410.0	512.7	612.1	724.1	834.9	943.9
-60°	81.4	113.1	150.5	192.6	239.6	307.6	373.5	457.6	545.7	630.7	728.0
-62.5°	55.4	81.4	110.0	141.7	179.3	215.9	269.8	328.1	384.2	458.6	532.2
-65°	43.2	54.1	75.1	100.5	125.2	157.5	189.6	220.6	268.4	317.0	363.4
-67.5°	30.8	40.7	50.3	62.6	84.9	106.5	127.3	155.0	181.8	207.4	236.5
-70°	25.5	28.2	35.6	43.9	52.0	63.2	81.7	99.6	116.7	135.1	156.7
-72.5°	21.5	23.9	26.3	28.6	35.1	42.0	48.6	55.0	66.3	80.6	94.2
-75°	17.5	19.6	21.6	23.5	25.4	27.3	29.6	35.1	40.3	45.3	50.1
-77.5°	13.4	15.2	16.8	18.5	20.1	21.6	23.1	24.5	25.9	27.2	28.4
-80°	9.9	10.8	12.1	13.4	14.6	15.9	17.1	18.2	19.3	20.3	21.3
-82.5°	7.5	8.1	8.7	9.3	9.8	10.4	11.0	11.9	12.7	13.5	14.2
-85°	5.0	5.4	5.8	6.2	6.6	6.9	7.3	7.6	8.0	8.3	8.6
-87.5°	2.5	2.7	2.9	3.1	3.3	3.5	3.6	3.8	4.0	4.1	4.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-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°	4.4	4.6	4.7	4.8	4.9	5.0	5.1	5.1	5.2	5.3	5.3
85°	8.8	9.1	9.4	9.6	9.8	10.0	10.1	10.3	10.4	10.5	10.6
82.5°	14.9	15.6	16.2	16.7	17.3	17.7	18.2	18.5	18.9	19.2	19.4
80°	22.2	23.1	23.9	24.7	25.4	26.0	26.6	27.1	27.6	27.9	28.2
77.5°	31.2	34.8	38.1	41.1	43.9	46.5	48.8	50.8	52.6	54.1	55.4
75°	54.6	60.6	70.3	79.3	87.5	95.1	101.9	107.9	113.1	117.6	121.3
72.5°	107.0	119.1	131.5	146.1	159.5	171.7	182.8	192.6	201.1	208.4	214.3
70°	177.2	196.4	214.5	235.6	261.9	286.0	307.6	326.9	343.6	357.9	369.6
67.5°	275.9	313.1	347.8	380.2	418.5	457.6	492.9	524.3	551.6	574.9	594.1
65°	414.8	474.4	530.3	582.3	630.7	683.5	731.2	773.6	810.7	842.2	868.1
62.5°	602.1	676.3	750.9	820.4	884.6	946.6	1005.7	1058.2	1104.2	1143.3	1175.5
60°	820.4	907.8	998.5	1083.7	1162.5	1234.6	1297.3	1353.1	1401.9	1443.5	1477.7
57.5°	1056.2	1162.5	1261.3	1351.0	1433.9	1510.0	1569.5	1616.4	1657.5	1692.6	1721.4
55°	1297.3	1408.2	1512.7	1593.6	1662.8	1726.4	1781.5	1821.4	1856.4	1886.2	1910.8
52.5°	1528.3	1622.6	1709.2	1786.4	1844.9	1898.5	1947.2	2002.4	2053.1	2096.3	2132.0
50°	1705.0	1797.1	1869.6	1937.6	2015.9	2093.1	2163.3	2238.3	2316.1	2382.6	2437.5
47.5°	1853.3	1935.8	2033.0	2130.3	2231.0	2348.7	2455.9	2550.4	2625.9	2690.6	2744.2
45°	1993.2	2110.4	2231.8	2379.2	2516.8	2632.5	2736.1	2829.2	2937.4	3034.0	3113.9
42.5°	2162.7	2325.3	2492.9	2638.8	2771.0	2913.1	3066.7	3204.9	3687.8	4344.3	4888.8
40°	2382.1	2566.4	2726.3	2891.4	3086.1	3311.4	4348.3	5283.7	6243.6	7355.4	8279.2
37.5°	2601.2	2779.5	2990.7	3212.5	4277.1	5492.4	7021.1	8597.3	10002.2	11426.5	12612.6
35°	2797.4	3040.9	3453.6	4934.2	6586.6	8620.7	10593.4	12601.7	14388.1	16053.2	17475.9
32.5°	3040.9	3615.6	5266.9	7385.2	9711.9	12240.6	14620.9	16993.8	19125.5	21109.9	22887.3
30°	3453.6	5266.9	7653.8	10321.1	13248.8	16127.8	18946.4	21735.8	24383.5	26783.6	29043.5
27.5°	4934.2	7385.2	10321.1	13588.3	16901.4	20155.8	23624.9	26923.2	30265.9	33198.0	36215.7
25°	6586.6	9711.9	13248.8	16901.4	20619.1	24587.7	28666.6	32673.7	36985.3	40894.3	45577.4
22.5°	8620.7	12240.6	16127.8	20155.8	24587.7	29256.1	34058.0	39336.1	45481.3	52203.6	58982.6
20°	10593.4	14620.9	18946.4	23624.9	28666.6	34058.0	40133.3	48113.5	56740.2	67017.7	76438.0
17.5°	12601.7	16993.8	21735.8	26923.2	32673.7	39336.1	48113.5	58704.6	71183.5	85096.4	98063.2
15°	14388.1	19125.5	24383.5	30265.9	36985.3	45481.3	56740.2	71183.5	88066.3	106137.5	125084.4
12.5°	16053.2	21109.9	26783.6	33198.0	40894.3	52203.6	67017.7	85096.4	106137.5	129686.3	147110.7
10°	17475.9	22887.3	29043.5	36215.7	45577.4	58982.6	76438.0	98063.2	125084.4	147110.7	165062.9
7.5°	18601.2	24297.2	30842.1	38629.9	49765.7	65461.1	85940.5	111813.3	139057.2	161127.6	178778.2
5°	19415.5	25319.6	32150.0	40391.6	52835.7	70237.3	93000.3	122313.5	148824.3	170740.0	188560.1
2.5°	19908.5	25939.5	32944.5	41464.4	54711.2	73167.5	97356.7	128846.0	154974.0	176638.3	194825.8
0°	20073.5	26147.2	33211.0	41824.7	55342.1	74155.5	98830.2	131065.5	157077.7	178594.1	197041.1
-2.5°	19908.5	25939.5	32944.5	41464.4	54711.2	73167.5	97356.7	128846.0	154974.0	176638.3	194825.8
-5°	19415.5	25319.6	32150.0	40391.6	52835.7	70237.3	93000.3	122313.5	148824.3	170740.0	188560.1
-7.5°	18601.2	24297.2	30842.1	38629.9	49765.7	65461.1	85940.5	111813.3	139057.2	161127.6	178778.2
-10°	17475.9	22887.3	29043.5	36215.7	45577.4	58982.6	76438.0	98063.2	125084.4	147110.7	165062.9
-12.5°	16053.2	21109.9	26783.6	33198.0	40894.3	52203.6	67017.7	85096.4	106137.5	129686.3	147110.7
-15°	14388.1	19125.5	24383.5	30265.9	36985.3	45481.3	56740.2	71183.5	88066.3	106137.5	125084.4
-17.5°	12601.7	16993.8	21735.8	26923.2	32673.7	39336.1	48113.5	58704.6	71183.5	85096.4	98063.2
-20°	10593.4	14620.9	18946.4	23624.9	28666.6	34058.0	40133.3	48113.5	56740.2	67017.7	76438.0



REPORT NUMBER: P1305956 (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°	8620.7	12240.6	16127.8	20155.8	24587.7	29256.1	34058.0	39336.1	45481.3	52203.6	58982.6
-25°	6586.6	9711.9	13248.8	16901.4	20619.1	24587.7	28666.6	32673.7	36985.3	40894.3	45577.4
-27.5°	4934.2	7385.2	10321.1	13588.3	16901.4	20155.8	23624.9	26923.2	30265.9	33198.0	36215.7
-30°	3453.6	5266.9	7653.8	10321.1	13248.8	16127.8	18946.4	21735.8	24383.5	26783.6	29043.5
-32.5°	3040.9	3615.6	5266.9	7385.2	9711.9	12240.6	14620.9	16993.8	19125.5	21109.9	22887.3
-35°	2797.4	3040.9	3453.6	4934.2	6586.6	8620.7	10593.4	12601.7	14388.1	16053.2	17475.9
-37.5°	2601.2	2779.5	2990.7	3212.5	4277.1	5492.4	7021.1	8597.3	10002.2	11426.5	12612.6
-40°	2382.1	2566.4	2726.3	2891.4	3086.1	3311.4	4348.3	5283.7	6243.6	7355.4	8279.2
-42.5°	2162.7	2325.3	2492.9	2638.8	2771.0	2913.1	3066.7	3204.9	3687.8	4344.3	4888.8
-45°	1993.2	2110.4	2231.8	2379.2	2516.8	2632.5	2736.1	2829.2	2937.4	3034.0	3113.9
-47.5°	1853.3	1935.8	2033.0	2130.3	2231.0	2348.7	2455.9	2550.4	2625.9	2690.6	2744.2
-50°	1705.0	1797.1	1869.6	1937.6	2015.9	2093.1	2163.3	2238.3	2316.1	2382.6	2437.5
-52.5°	1528.3	1622.6	1709.2	1786.4	1844.9	1898.5	1947.2	2002.4	2053.1	2096.3	2132.0
-55°	1297.3	1408.2	1512.7	1593.6	1662.8	1726.4	1781.5	1821.4	1856.4	1886.2	1910.8
-57.5°	1056.2	1162.5	1261.3	1351.0	1433.9	1510.0	1569.5	1616.4	1657.5	1692.6	1721.4
-60°	820.4	907.8	998.5	1083.7	1162.5	1234.6	1297.3	1353.1	1401.9	1443.5	1477.7
-62.5°	602.1	676.3	750.9	820.4	884.6	946.6	1005.7	1058.2	1104.2	1143.3	1175.5
-65°	414.8	474.4	530.3	582.3	630.7	683.5	731.2	773.6	810.7	842.2	868.1
-67.5°	275.9	313.1	347.8	380.2	418.5	457.6	492.9	524.3	551.6	574.9	594.1
-70°	177.2	196.4	214.5	235.6	261.9	286.0	307.6	326.9	343.6	357.9	369.6
-72.5°	107.0	119.1	131.5	146.1	159.5	171.7	182.8	192.6	201.1	208.4	214.3
-75°	54.6	60.6	70.3	79.3	87.5	95.1	101.9	107.9	113.1	117.6	121.3
-77.5°	31.2	34.8	38.1	41.1	43.9	46.5	48.8	50.8	52.6	54.1	55.4
-80°	22.2	23.1	23.9	24.7	25.4	26.0	26.6	27.1	27.6	27.9	28.2
-82.5°	14.9	15.6	16.2	16.7	17.3	17.7	18.2	18.5	18.9	19.2	19.4
-85°	8.8	9.1	9.4	9.6	9.8	10.0	10.1	10.3	10.4	10.5	10.6
-87.5°	4.4	4.6	4.7	4.8	4.9	5.0	5.1	5.1	5.2	5.3	5.3
-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: P1305956 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-4S-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°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.2	5.1
85°	10.7	10.8	10.8	10.8	10.8	10.8	10.7	10.6	10.5	10.4	10.3
82.5°	19.6	19.7	19.8	19.8	19.8	19.7	19.6	19.4	19.2	18.9	18.5
80°	28.5	28.7	28.8	28.8	28.8	28.7	28.5	28.2	27.9	27.6	27.1
77.5°	56.3	57.0	57.5	57.6	57.5	57.0	56.3	55.4	54.1	52.6	50.8
75°	124.1	126.2	127.4	127.8	127.4	126.2	124.1	121.3	117.6	113.1	107.9
72.5°	219.0	222.3	224.3	225.0	224.3	222.3	219.0	214.3	208.4	201.1	192.6
70°	378.8	385.3	389.3	390.6	389.3	385.3	378.8	369.6	357.9	343.6	326.9
67.5°	609.0	619.7	626.2	628.3	626.2	619.7	609.0	594.1	574.9	551.6	524.3
65°	888.4	902.9	911.6	914.5	911.6	902.9	888.4	868.1	842.2	810.7	773.6
62.5°	1200.6	1218.6	1229.5	1233.1	1229.5	1218.6	1200.6	1175.5	1143.3	1104.2	1058.2
60°	1504.5	1523.7	1535.2	1539.1	1535.2	1523.7	1504.5	1477.7	1443.5	1401.9	1353.1
57.5°	1744.0	1760.2	1769.9	1773.2	1769.9	1760.2	1744.0	1721.4	1692.6	1657.5	1616.4
55°	1930.1	1943.9	1952.2	1955.0	1952.2	1943.9	1930.1	1910.8	1886.2	1856.4	1821.4
52.5°	2160.0	2180.1	2192.2	2196.2	2192.2	2180.1	2160.0	2132.0	2096.3	2053.1	2002.4
50°	2480.6	2511.5	2530.2	2536.4	2530.2	2511.5	2480.6	2437.5	2382.6	2316.1	2238.3
47.5°	2786.1	2816.3	2834.5	2840.6	2834.5	2816.3	2786.1	2744.2	2690.6	2625.9	2550.4
45°	3176.7	3221.9	3249.2	3258.3	3249.2	3221.9	3176.7	3113.9	3034.0	2937.4	2829.2
42.5°	5317.0	5625.5	5811.7	5873.9	5811.7	5625.5	5317.0	4888.8	4344.3	3687.8	3204.9
40°	9006.9	9531.8	9848.8	9954.8	9848.8	9531.8	9006.9	8279.2	7355.4	6243.6	5283.7
37.5°	13548.6	14224.7	14633.5	14770.3	14633.5	14224.7	13548.6	12612.6	11426.5	10002.2	8597.3
35°	18601.2	19415.5	19908.5	20073.5	19908.5	19415.5	18601.2	17475.9	16053.2	14388.1	12601.7
32.5°	24297.2	25319.6	25939.5	26147.2	25939.5	25319.6	24297.2	22887.3	21109.9	19125.5	16993.8
30°	30842.1	32150.0	32944.5	33211.0	32944.5	32150.0	30842.1	29043.5	26783.6	24383.5	21735.8
27.5°	38629.9	40391.6	41464.4	41824.7	41464.4	40391.6	38629.9	36215.7	33198.0	30265.9	26923.2
25°	49765.7	52835.7	54711.2	55342.1	54711.2	52835.7	49765.7	45577.4	40894.3	36985.3	32673.7
22.5°	65461.1	70237.3	73167.5	74155.5	73167.5	70237.3	65461.1	58982.6	52203.6	45481.3	39336.1
20°	85940.5	93000.3	97356.7	98830.2	97356.7	93000.3	85940.5	76438.0	67017.7	56740.2	48113.5
17.5°	111813.3	122313.5	128846.0	131065.5	128846.0	122313.5	111813.3	98063.2	85096.4	71183.5	58704.6
15°	139057.2	148824.3	154974.0	157077.7	154974.0	148824.3	139057.2	125084.4	106137.5	88066.3	71183.5
12.5°	161127.6	170740.0	176638.3	178594.1	176638.3	170740.0	161127.6	147110.7	129686.3	106137.5	85096.4
10°	178778.2	188560.1	194825.8	197041.1	194825.8	188560.1	178778.2	165062.9	147110.7	125084.4	98063.2
7.5°	192741.1	203782.0	210469.3	212849.2	210469.3	203782.0	192741.1	178778.2	161127.6	139057.2	111813.3
5°	203782.0	215406.0	223321.1	226106.4	223321.1	215406.0	203782.0	188560.1	170740.0	148824.3	122313.5
2.5°	210469.3	223321.1	230967.2	233163.9	230967.2	223321.1	210469.3	194825.8	176638.3	154974.0	128846.0
0°	212849.2	226106.4	233163.9	234163.9	233163.9	226106.4	212849.2	197041.1	178594.1	157077.7	131065.5
-2.5°	210469.3	223321.1	230967.2	233163.9	230967.2	223321.1	210469.3	194825.8	176638.3	154974.0	128846.0
-5°	203782.0	215406.0	223321.1	226106.4	223321.1	215406.0	203782.0	188560.1	170740.0	148824.3	122313.5
-7.5°	192741.1	203782.0	210469.3	212849.2	210469.3	203782.0	192741.1	178778.2	161127.6	139057.2	111813.3
-10°	178778.2	188560.1	194825.8	197041.1	194825.8	188560.1	178778.2	165062.9	147110.7	125084.4	98063.2
-12.5°	161127.6	170740.0	176638.3	178594.1	176638.3	170740.0	161127.6	147110.7	129686.3	106137.5	85096.4
-15°	139057.2	148824.3	154974.0	157077.7	154974.0	148824.3	139057.2	125084.4	106137.5	88066.3	71183.5
-17.5°	111813.3	122313.5	128846.0	131065.5	128846.0	122313.5	111813.3	98063.2	85096.4	71183.5	58704.6
-20°	85940.5	93000.3	97356.7	98830.2	97356.7	93000.3	85940.5	76438.0	67017.7	56740.2	48113.5



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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°	65461.1	70237.3	73167.5	74155.5	73167.5	70237.3	65461.1	58982.6	52203.6	45481.3	39336.1
-25°	49765.7	52835.7	54711.2	55342.1	54711.2	52835.7	49765.7	45577.4	40894.3	36985.3	32673.7
-27.5°	38629.9	40391.6	41464.4	41824.7	41464.4	40391.6	38629.9	36215.7	33198.0	30265.9	26923.2
-30°	30842.1	32150.0	32944.5	33211.0	32944.5	32150.0	30842.1	29043.5	26783.6	24383.5	21735.8
-32.5°	24297.2	25319.6	25939.5	26147.2	25939.5	25319.6	24297.2	22887.3	21109.9	19125.5	16993.8
-35°	18601.2	19415.5	19908.5	20073.5	19908.5	19415.5	18601.2	17475.9	16053.2	14388.1	12601.7
-37.5°	13548.6	14224.7	14633.5	14770.3	14633.5	14224.7	13548.6	12612.6	11426.5	10002.2	8597.3
-40°	9006.9	9531.8	9848.8	9954.8	9848.8	9531.8	9006.9	8279.2	7355.4	6243.6	5283.7
-42.5°	5317.0	5625.5	5811.7	5873.9	5811.7	5625.5	5317.0	4888.8	4344.3	3687.8	3204.9
-45°	3176.7	3221.9	3249.2	3258.3	3249.2	3221.9	3176.7	3113.9	3034.0	2937.4	2829.2
-47.5°	2786.1	2816.3	2834.5	2840.6	2834.5	2816.3	2786.1	2744.2	2690.6	2625.9	2550.4
-50°	2480.6	2511.5	2530.2	2536.4	2530.2	2511.5	2480.6	2437.5	2382.6	2316.1	2238.3
-52.5°	2160.0	2180.1	2192.2	2196.2	2192.2	2180.1	2160.0	2132.0	2096.3	2053.1	2002.4
-55°	1930.1	1943.9	1952.2	1955.0	1952.2	1943.9	1930.1	1910.8	1886.2	1856.4	1821.4
-57.5°	1744.0	1760.2	1769.9	1773.2	1769.9	1760.2	1744.0	1721.4	1692.6	1657.5	1616.4
-60°	1504.5	1523.7	1535.2	1539.1	1535.2	1523.7	1504.5	1477.7	1443.5	1401.9	1353.1
-62.5°	1200.6	1218.6	1229.5	1233.1	1229.5	1218.6	1200.6	1175.5	1143.3	1104.2	1058.2
-65°	888.4	902.9	911.6	914.5	911.6	902.9	888.4	868.1	842.2	810.7	773.6
-67.5°	609.0	619.7	626.2	628.3	626.2	619.7	609.0	594.1	574.9	551.6	524.3
-70°	378.8	385.3	389.3	390.6	389.3	385.3	378.8	369.6	357.9	343.6	326.9
-72.5°	219.0	222.3	224.3	225.0	224.3	222.3	219.0	214.3	208.4	201.1	192.6
-75°	124.1	126.2	127.4	127.8	127.4	126.2	124.1	121.3	117.6	113.1	107.9
-77.5°	56.3	57.0	57.5	57.6	57.5	57.0	56.3	55.4	54.1	52.6	50.8
-80°	28.5	28.7	28.8	28.8	28.8	28.7	28.5	28.2	27.9	27.6	27.1
-82.5°	19.6	19.7	19.8	19.8	19.8	19.7	19.6	19.4	19.2	18.9	18.5
-85°	10.7	10.8	10.8	10.8	10.8	10.8	10.7	10.6	10.5	10.4	10.3
-87.5°	5.4	5.4	5.4	5.4	5.4	5.4	5.4	5.3	5.3	5.2	5.1
-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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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°	5.1	5.0	4.9	4.8	4.7	4.6	4.4	4.3	4.1	4.0	3.8
85°	10.1	10.0	9.8	9.6	9.4	9.1	8.8	8.6	8.3	8.0	7.6
82.5°	18.2	17.7	17.3	16.7	16.2	15.6	14.9	14.2	13.5	12.7	11.9
80°	26.6	26.0	25.4	24.7	23.9	23.1	22.2	21.3	20.3	19.3	18.2
77.5°	48.8	46.5	43.9	41.1	38.1	34.8	31.2	28.4	27.2	25.9	24.5
75°	101.9	95.1	87.5	79.3	70.3	60.6	54.6	50.1	45.3	40.3	35.1
72.5°	182.8	171.7	159.5	146.1	131.5	119.1	107.0	94.2	80.6	66.3	55.0
70°	307.6	286.0	261.9	235.6	214.5	196.4	177.2	156.7	135.1	116.7	99.6
67.5°	492.9	457.6	418.5	380.2	347.8	313.1	275.9	236.5	207.4	181.8	155.0
65°	731.2	683.5	630.7	582.3	530.3	474.4	414.8	363.4	317.0	268.4	220.6
62.5°	1005.7	946.6	884.6	820.4	750.9	676.3	602.1	532.2	458.6	384.2	328.1
60°	1297.3	1234.6	1162.5	1083.7	998.5	907.8	820.4	728.0	630.7	545.7	457.6
57.5°	1569.5	1510.0	1433.9	1351.0	1261.3	1162.5	1056.2	943.9	834.9	724.1	612.1
55°	1781.5	1726.4	1662.8	1593.6	1512.7	1408.2	1297.3	1178.1	1050.2	916.6	791.7
52.5°	1947.2	1898.5	1844.9	1786.4	1709.2	1622.6	1528.3	1401.9	1269.4	1127.1	977.8
50°	2163.3	2093.1	2015.9	1937.6	1869.6	1797.1	1705.0	1601.0	1477.7	1329.6	1173.7
47.5°	2455.9	2348.7	2231.0	2130.3	2033.0	1935.8	1853.3	1764.8	1648.4	1523.7	1359.9
45°	2736.1	2632.5	2516.8	2379.2	2231.8	2110.4	1993.2	1891.3	1794.9	1672.2	1539.1
42.5°	3066.7	2913.1	2771.0	2638.8	2492.9	2325.3	2162.7	2031.9	1910.5	1804.3	1672.2
40°	4348.3	3311.4	3086.1	2891.4	2726.3	2566.4	2382.1	2189.1	2044.9	1910.5	1794.9
37.5°	7021.1	5492.4	4277.1	3212.5	2990.7	2779.5	2601.2	2401.2	2189.1	2031.9	1891.3
35°	10593.4	8620.7	6586.6	4934.2	3453.6	3040.9	2797.4	2601.2	2382.1	2162.7	1993.2
32.5°	14620.9	12240.6	9711.9	7385.2	5266.9	3615.6	3040.9	2779.5	2566.4	2325.3	2110.4
30°	18946.4	16127.8	13248.8	10321.1	7653.8	5266.9	3453.6	2990.7	2726.3	2492.9	2231.8
27.5°	23624.9	20155.8	16901.4	13588.3	10321.1	7385.2	4934.2	3212.5	2891.4	2638.8	2379.2
25°	28666.6	24587.7	20619.1	16901.4	13248.8	9711.9	6586.6	4277.1	3086.1	2771.0	2516.8
22.5°	34058.0	29256.1	24587.7	20155.8	16127.8	12240.6	8620.7	5492.4	3311.4	2913.1	2632.5
20°	40133.3	34058.0	28666.6	23624.9	18946.4	14620.9	10593.4	7021.1	4348.3	3066.7	2736.1
17.5°	48113.5	39336.1	32673.7	26923.2	21735.8	16993.8	12601.7	8597.3	5283.7	3204.9	2829.2
15°	56740.2	45481.3	36985.3	30265.9	24383.5	19125.5	14388.1	10002.2	6243.6	3687.8	2937.4
12.5°	67017.7	52203.6	40894.3	33198.0	26783.6	21109.9	16053.2	11426.5	7355.4	4344.3	3034.0
10°	76438.0	58982.6	45577.4	36215.7	29043.5	22887.3	17475.9	12612.6	8279.2	4888.8	3113.9
7.5°	85940.5	65461.1	49765.7	38629.9	30842.1	24297.2	18601.2	13548.6	9006.9	5317.0	3176.7
5°	93000.3	70237.3	52835.7	40391.6	32150.0	25319.6	19415.5	14224.7	9531.8	5625.5	3221.9
2.5°	97356.7	73167.5	54711.2	41464.4	32944.5	25939.5	19908.5	14633.5	9848.8	5811.7	3249.2
0°	98830.2	74155.5	55342.1	41824.7	33211.0	26147.2	20073.5	14770.3	9954.8	5873.9	3258.3
-2.5°	97356.7	73167.5	54711.2	41464.4	32944.5	25939.5	19908.5	14633.5	9848.8	5811.7	3249.2
-5°	93000.3	70237.3	52835.7	40391.6	32150.0	25319.6	19415.5	14224.7	9531.8	5625.5	3221.9
-7.5°	85940.5	65461.1	49765.7	38629.9	30842.1	24297.2	18601.2	13548.6	9006.9	5317.0	3176.7
-10°	76438.0	58982.6	45577.4	36215.7	29043.5	22887.3	17475.9	12612.6	8279.2	4888.8	3113.9
-12.5°	67017.7	52203.6	40894.3	33198.0	26783.6	21109.9	16053.2	11426.5	7355.4	4344.3	3034.0
-15°	56740.2	45481.3	36985.3	30265.9	24383.5	19125.5	14388.1	10002.2	6243.6	3687.8	2937.4
-17.5°	48113.5	39336.1	32673.7	26923.2	21735.8	16993.8	12601.7	8597.3	5283.7	3204.9	2829.2
-20°	40133.3	34058.0	28666.6	23624.9	18946.4	14620.9	10593.4	7021.1	4348.3	3066.7	2736.1



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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°	34058.0	29256.1	24587.7	20155.8	16127.8	12240.6	8620.7	5492.4	3311.4	2913.1	2632.5
-25°	28666.6	24587.7	20619.1	16901.4	13248.8	9711.9	6586.6	4277.1	3086.1	2771.0	2516.8
-27.5°	23624.9	20155.8	16901.4	13588.3	10321.1	7385.2	4934.2	3212.5	2891.4	2638.8	2379.2
-30°	18946.4	16127.8	13248.8	10321.1	7653.8	5266.9	3453.6	2990.7	2726.3	2492.9	2231.8
-32.5°	14620.9	12240.6	9711.9	7385.2	5266.9	3615.6	3040.9	2779.5	2566.4	2325.3	2110.4
-35°	10593.4	8620.7	6586.6	4934.2	3453.6	3040.9	2797.4	2601.2	2382.1	2162.7	1993.2
-37.5°	7021.1	5492.4	4277.1	3212.5	2990.7	2779.5	2601.2	2401.2	2189.1	2031.9	1891.3
-40°	4348.3	3311.4	3086.1	2891.4	2726.3	2566.4	2382.1	2189.1	2044.9	1910.5	1794.9
-42.5°	3066.7	2913.1	2771.0	2638.8	2492.9	2325.3	2162.7	2031.9	1910.5	1804.3	1672.2
-45°	2736.1	2632.5	2516.8	2379.2	2231.8	2110.4	1993.2	1891.3	1794.9	1672.2	1539.1
-47.5°	2455.9	2348.7	2231.0	2130.3	2033.0	1935.8	1853.3	1764.8	1648.4	1523.7	1359.9
-50°	2163.3	2093.1	2015.9	1937.6	1869.6	1797.1	1705.0	1601.0	1477.7	1329.6	1173.7
-52.5°	1947.2	1898.5	1844.9	1786.4	1709.2	1622.6	1528.3	1401.9	1269.4	1127.1	977.8
-55°	1781.5	1726.4	1662.8	1593.6	1512.7	1408.2	1297.3	1178.1	1050.2	916.6	791.7
-57.5°	1569.5	1510.0	1433.9	1351.0	1261.3	1162.5	1056.2	943.9	834.9	724.1	612.1
-60°	1297.3	1234.6	1162.5	1083.7	998.5	907.8	820.4	728.0	630.7	545.7	457.6
-62.5°	1005.7	946.6	884.6	820.4	750.9	676.3	602.1	532.2	458.6	384.2	328.1
-65°	731.2	683.5	630.7	582.3	530.3	474.4	414.8	363.4	317.0	268.4	220.6
-67.5°	492.9	457.6	418.5	380.2	347.8	313.1	275.9	236.5	207.4	181.8	155.0
-70°	307.6	286.0	261.9	235.6	214.5	196.4	177.2	156.7	135.1	116.7	99.6
-72.5°	182.8	171.7	159.5	146.1	131.5	119.1	107.0	94.2	80.6	66.3	55.0
-75°	101.9	95.1	87.5	79.3	70.3	60.6	54.6	50.1	45.3	40.3	35.1
-77.5°	48.8	46.5	43.9	41.1	38.1	34.8	31.2	28.4	27.2	25.9	24.5
-80°	26.6	26.0	25.4	24.7	23.9	23.1	22.2	21.3	20.3	19.3	18.2
-82.5°	18.2	17.7	17.3	16.7	16.2	15.6	14.9	14.2	13.5	12.7	11.9
-85°	10.1	10.0	9.8	9.6	9.4	9.1	8.8	8.6	8.3	8.0	7.6
-87.5°	5.1	5.0	4.9	4.8	4.7	4.6	4.4	4.3	4.1	4.0	3.8
-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: P1305956 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-4S-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°	3.6	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.8	1.6
85°	7.3	6.9	6.6	6.2	5.8	5.4	5.0	4.6	4.1	3.7	3.2
82.5°	11.0	10.4	9.8	9.3	8.7	8.1	7.5	6.8	6.2	5.5	4.9
80°	17.1	15.9	14.6	13.4	12.1	10.8	9.9	9.1	8.2	7.4	6.5
77.5°	23.1	21.6	20.1	18.5	16.8	15.2	13.4	11.7	10.3	9.2	8.1
75°	29.6	27.3	25.4	23.5	21.6	19.6	17.5	15.4	13.3	11.1	9.6
72.5°	48.6	42.0	35.1	28.6	26.3	23.9	21.5	19.1	16.6	14.1	11.5
70°	81.7	63.2	52.0	43.9	35.6	28.2	25.5	22.7	19.9	17.0	14.1
67.5°	127.3	106.5	84.9	62.6	50.3	40.7	30.8	26.3	23.1	19.9	16.6
65°	189.6	157.5	125.2	100.5	75.1	54.1	43.2	32.1	26.3	22.7	19.1
62.5°	269.8	215.9	179.3	141.7	110.0	81.4	55.4	43.2	30.8	25.5	21.5
60°	373.5	307.6	239.6	192.6	150.5	113.1	81.4	54.1	40.7	28.2	23.9
57.5°	512.7	410.0	330.5	254.8	197.0	150.5	110.0	75.1	50.3	35.6	26.3
55°	662.6	546.0	432.1	338.1	254.8	192.6	141.7	100.5	62.6	43.9	28.6
52.5°	832.6	689.6	557.2	432.1	330.5	239.6	179.3	125.2	84.9	52.0	35.1
50°	1008.6	846.3	689.6	546.0	410.0	307.6	215.9	157.5	106.5	63.2	42.0
47.5°	1189.3	1008.6	832.6	662.6	512.7	373.5	269.8	189.6	127.3	81.7	48.6
45°	1359.9	1173.7	977.8	791.7	612.1	457.6	328.1	220.6	155.0	99.6	55.0
42.5°	1523.7	1329.6	1127.1	916.6	724.1	545.7	384.2	268.4	181.8	116.7	66.3
40°	1648.4	1477.7	1269.4	1050.2	834.9	630.7	458.6	317.0	207.4	135.1	80.6
37.5°	1764.8	1601.0	1401.9	1178.1	943.9	728.0	532.2	363.4	236.5	156.7	94.2
35°	1853.3	1705.0	1528.3	1297.3	1056.2	820.4	602.1	414.8	275.9	177.2	107.0
32.5°	1935.8	1797.1	1622.6	1408.2	1162.5	907.8	676.3	474.4	313.1	196.4	119.1
30°	2033.0	1869.6	1709.2	1512.7	1261.3	998.5	750.9	530.3	347.8	214.5	131.5
27.5°	2130.3	1937.6	1786.4	1593.6	1351.0	1083.7	820.4	582.3	380.2	235.6	146.1
25°	2231.0	2015.9	1844.9	1662.8	1433.9	1162.5	884.6	630.7	418.5	261.9	159.5
22.5°	2348.7	2093.1	1898.5	1726.4	1510.0	1234.6	946.6	683.5	457.6	286.0	171.7
20°	2455.9	2163.3	1947.2	1781.5	1569.5	1297.3	1005.7	731.2	492.9	307.6	182.8
17.5°	2550.4	2238.3	2002.4	1821.4	1616.4	1353.1	1058.2	773.6	524.3	326.9	192.6
15°	2625.9	2316.1	2053.1	1856.4	1657.5	1401.9	1104.2	810.7	551.6	343.6	201.1
12.5°	2690.6	2382.6	2096.3	1886.2	1692.6	1443.5	1143.3	842.2	574.9	357.9	208.4
10°	2744.2	2437.5	2132.0	1910.8	1721.4	1477.7	1175.5	868.1	594.1	369.6	214.3
7.5°	2786.1	2480.6	2160.0	1930.1	1744.0	1504.5	1200.6	888.4	609.0	378.8	219.0
5°	2816.3	2511.5	2180.1	1943.9	1760.2	1523.7	1218.6	902.9	619.7	385.3	222.3
2.5°	2834.5	2530.2	2192.2	1952.2	1769.9	1535.2	1229.5	911.6	626.2	389.3	224.3
0°	2840.6	2536.4	2196.2	1955.0	1773.2	1539.1	1233.1	914.5	628.3	390.6	225.0
-2.5°	2834.5	2530.2	2192.2	1952.2	1769.9	1535.2	1229.5	911.6	626.2	389.3	224.3
-5°	2816.3	2511.5	2180.1	1943.9	1760.2	1523.7	1218.6	902.9	619.7	385.3	222.3
-7.5°	2786.1	2480.6	2160.0	1930.1	1744.0	1504.5	1200.6	888.4	609.0	378.8	219.0
-10°	2744.2	2437.5	2132.0	1910.8	1721.4	1477.7	1175.5	868.1	594.1	369.6	214.3
-12.5°	2690.6	2382.6	2096.3	1886.2	1692.6	1443.5	1143.3	842.2	574.9	357.9	208.4
-15°	2625.9	2316.1	2053.1	1856.4	1657.5	1401.9	1104.2	810.7	551.6	343.6	201.1
-17.5°	2550.4	2238.3	2002.4	1821.4	1616.4	1353.1	1058.2	773.6	524.3	326.9	192.6
-20°	2455.9	2163.3	1947.2	1781.5	1569.5	1297.3	1005.7	731.2	492.9	307.6	182.8



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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°	2348.7	2093.1	1898.5	1726.4	1510.0	1234.6	946.6	683.5	457.6	286.0	171.7
-25°	2231.0	2015.9	1844.9	1662.8	1433.9	1162.5	884.6	630.7	418.5	261.9	159.5
-27.5°	2130.3	1937.6	1786.4	1593.6	1351.0	1083.7	820.4	582.3	380.2	235.6	146.1
-30°	2033.0	1869.6	1709.2	1512.7	1261.3	998.5	750.9	530.3	347.8	214.5	131.5
-32.5°	1935.8	1797.1	1622.6	1408.2	1162.5	907.8	676.3	474.4	313.1	196.4	119.1
-35°	1853.3	1705.0	1528.3	1297.3	1056.2	820.4	602.1	414.8	275.9	177.2	107.0
-37.5°	1764.8	1601.0	1401.9	1178.1	943.9	728.0	532.2	363.4	236.5	156.7	94.2
-40°	1648.4	1477.7	1269.4	1050.2	834.9	630.7	458.6	317.0	207.4	135.1	80.6
-42.5°	1523.7	1329.6	1127.1	916.6	724.1	545.7	384.2	268.4	181.8	116.7	66.3
-45°	1359.9	1173.7	977.8	791.7	612.1	457.6	328.1	220.6	155.0	99.6	55.0
-47.5°	1189.3	1008.6	832.6	662.6	512.7	373.5	269.8	189.6	127.3	81.7	48.6
-50°	1008.6	846.3	689.6	546.0	410.0	307.6	215.9	157.5	106.5	63.2	42.0
-52.5°	832.6	689.6	557.2	432.1	330.5	239.6	179.3	125.2	84.9	52.0	35.1
-55°	662.6	546.0	432.1	338.1	254.8	192.6	141.7	100.5	62.6	43.9	28.6
-57.5°	512.7	410.0	330.5	254.8	197.0	150.5	110.0	75.1	50.3	35.6	26.3
-60°	373.5	307.6	239.6	192.6	150.5	113.1	81.4	54.1	40.7	28.2	23.9
-62.5°	269.8	215.9	179.3	141.7	110.0	81.4	55.4	43.2	30.8	25.5	21.5
-65°	189.6	157.5	125.2	100.5	75.1	54.1	43.2	32.1	26.3	22.7	19.1
-67.5°	127.3	106.5	84.9	62.6	50.3	40.7	30.8	26.3	23.1	19.9	16.6
-70°	81.7	63.2	52.0	43.9	35.6	28.2	25.5	22.7	19.9	17.0	14.1
-72.5°	48.6	42.0	35.1	28.6	26.3	23.9	21.5	19.1	16.6	14.1	11.5
-75°	29.6	27.3	25.4	23.5	21.6	19.6	17.5	15.4	13.3	11.1	9.6
-77.5°	23.1	21.6	20.1	18.5	16.8	15.2	13.4	11.7	10.3	9.2	8.1
-80°	17.1	15.9	14.6	13.4	12.1	10.8	9.9	9.1	8.2	7.4	6.5
-82.5°	11.0	10.4	9.8	9.3	8.7	8.1	7.5	6.8	6.2	5.5	4.9
-85°	7.3	6.9	6.6	6.2	5.8	5.4	5.0	4.6	4.1	3.7	3.2
-87.5°	3.6	3.5	3.3	3.1	2.9	2.7	2.5	2.3	2.1	1.8	1.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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°	1.4	1.2	0.9	0.7	0.5	0.2	0.0
85°	2.8	2.3	1.9	1.4	0.9	0.5	0.0
82.5°	4.2	3.5	2.8	2.1	1.4	0.7	0.0
80°	5.6	4.7	3.7	2.8	1.9	0.9	0.0
77.5°	6.9	5.8	4.7	3.5	2.3	1.2	0.0
75°	8.3	6.9	5.6	4.2	2.8	1.4	0.0
72.5°	9.6	8.1	6.5	4.9	3.2	1.6	0.0
70°	11.1	9.2	7.4	5.5	3.7	1.8	0.0
67.5°	13.3	10.3	8.2	6.2	4.1	2.1	0.0
65°	15.4	11.7	9.1	6.8	4.6	2.3	0.0
62.5°	17.5	13.4	9.9	7.5	5.0	2.5	0.0
60°	19.6	15.2	10.8	8.1	5.4	2.7	0.0
57.5°	21.6	16.8	12.1	8.7	5.8	2.9	0.0
55°	23.5	18.5	13.4	9.3	6.2	3.1	0.0
52.5°	25.4	20.1	14.6	9.8	6.6	3.3	0.0
50°	27.3	21.6	15.9	10.4	6.9	3.5	0.0
47.5°	29.6	23.1	17.1	11.0	7.3	3.6	0.0
45°	35.1	24.5	18.2	11.9	7.6	3.8	0.0
42.5°	40.3	25.9	19.3	12.7	8.0	4.0	0.0
40°	45.3	27.2	20.3	13.5	8.3	4.1	0.0
37.5°	50.1	28.4	21.3	14.2	8.6	4.3	0.0
35°	54.6	31.2	22.2	14.9	8.8	4.4	0.0
32.5°	60.6	34.8	23.1	15.6	9.1	4.6	0.0
30°	70.3	38.1	23.9	16.2	9.4	4.7	0.0
27.5°	79.3	41.1	24.7	16.7	9.6	4.8	0.0
25°	87.5	43.9	25.4	17.3	9.8	4.9	0.0
22.5°	95.1	46.5	26.0	17.7	10.0	5.0	0.0
20°	101.9	48.8	26.6	18.2	10.1	5.1	0.0
17.5°	107.9	50.8	27.1	18.5	10.3	5.1	0.0
15°	113.1	52.6	27.6	18.9	10.4	5.2	0.0
12.5°	117.6	54.1	27.9	19.2	10.5	5.3	0.0
10°	121.3	55.4	28.2	19.4	10.6	5.3	0.0
7.5°	124.1	56.3	28.5	19.6	10.7	5.4	0.0
5°	126.2	57.0	28.7	19.7	10.8	5.4	0.0
2.5°	127.4	57.5	28.8	19.8	10.8	5.4	0.0
0°	127.8	57.6	28.8	19.8	10.8	5.4	0.0
-2.5°	127.4	57.5	28.8	19.8	10.8	5.4	0.0
-5°	126.2	57.0	28.7	19.7	10.8	5.4	0.0
-7.5°	124.1	56.3	28.5	19.6	10.7	5.4	0.0
-10°	121.3	55.4	28.2	19.4	10.6	5.3	0.0
-12.5°	117.6	54.1	27.9	19.2	10.5	5.3	0.0
-15°	113.1	52.6	27.6	18.9	10.4	5.2	0.0
-17.5°	107.9	50.8	27.1	18.5	10.3	5.1	0.0
-20°	101.9	48.8	26.6	18.2	10.1	5.1	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	95.1	46.5	26.0	17.7	10.0	5.0	0.0
-25°	87.5	43.9	25.4	17.3	9.8	4.9	0.0
-27.5°	79.3	41.1	24.7	16.7	9.6	4.8	0.0
-30°	70.3	38.1	23.9	16.2	9.4	4.7	0.0
-32.5°	60.6	34.8	23.1	15.6	9.1	4.6	0.0
-35°	54.6	31.2	22.2	14.9	8.8	4.4	0.0
-37.5°	50.1	28.4	21.3	14.2	8.6	4.3	0.0
-40°	45.3	27.2	20.3	13.5	8.3	4.1	0.0
-42.5°	40.3	25.9	19.3	12.7	8.0	4.0	0.0
-45°	35.1	24.5	18.2	11.9	7.6	3.8	0.0
-47.5°	29.6	23.1	17.1	11.0	7.3	3.6	0.0
-50°	27.3	21.6	15.9	10.4	6.9	3.5	0.0
-52.5°	25.4	20.1	14.6	9.8	6.6	3.3	0.0
-55°	23.5	18.5	13.4	9.3	6.2	3.1	0.0
-57.5°	21.6	16.8	12.1	8.7	5.8	2.9	0.0
-60°	19.6	15.2	10.8	8.1	5.4	2.7	0.0
-62.5°	17.5	13.4	9.9	7.5	5.0	2.5	0.0
-65°	15.4	11.7	9.1	6.8	4.6	2.3	0.0
-67.5°	13.3	10.3	8.2	6.2	4.1	2.1	0.0
-70°	11.1	9.2	7.4	5.5	3.7	1.8	0.0
-72.5°	9.6	8.1	6.5	4.9	3.2	1.6	0.0
-75°	8.3	6.9	5.6	4.2	2.8	1.4	0.0
-77.5°	6.9	5.8	4.7	3.5	2.3	1.2	0.0
-80°	5.6	4.7	3.7	2.8	1.9	0.9	0.0
-82.5°	4.2	3.5	2.8	2.1	1.4	0.7	0.0
-85°	2.8	2.3	1.9	1.4	0.9	0.5	0.0
-87.5°	1.4	1.2	0.9	0.7	0.5	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)