

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: P1305928 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-530N-40-80-7F-HEG-A**

Issue Date: 2/3/2026

Test Information

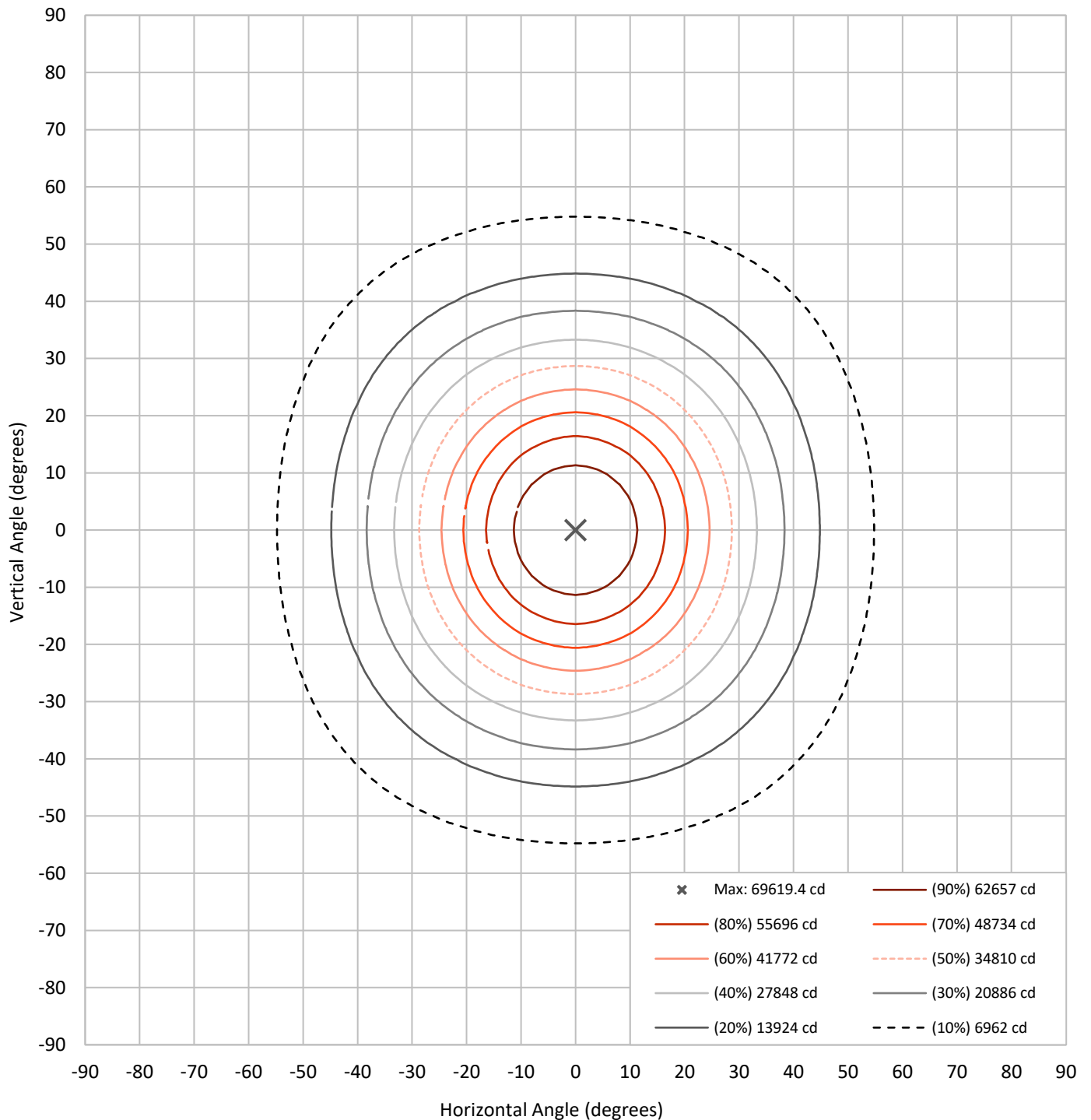
Test Method: LM-79-08
Report Number: P1305928 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-7)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-530N-40-80-7F-HEG-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 7F BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	78552 lumens	Max Intensity:	69619.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	141.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	57.4°H x 57.4°V	Field Angle (10%):	109.4°H x 109.4°V
Beam Lumens:	38686.8 lumens	Field Lumens:	71263.5 lumens
Beam Efficiency:	49.2%	Field Efficiency:	90.7%
Input Watts (W):	554		
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





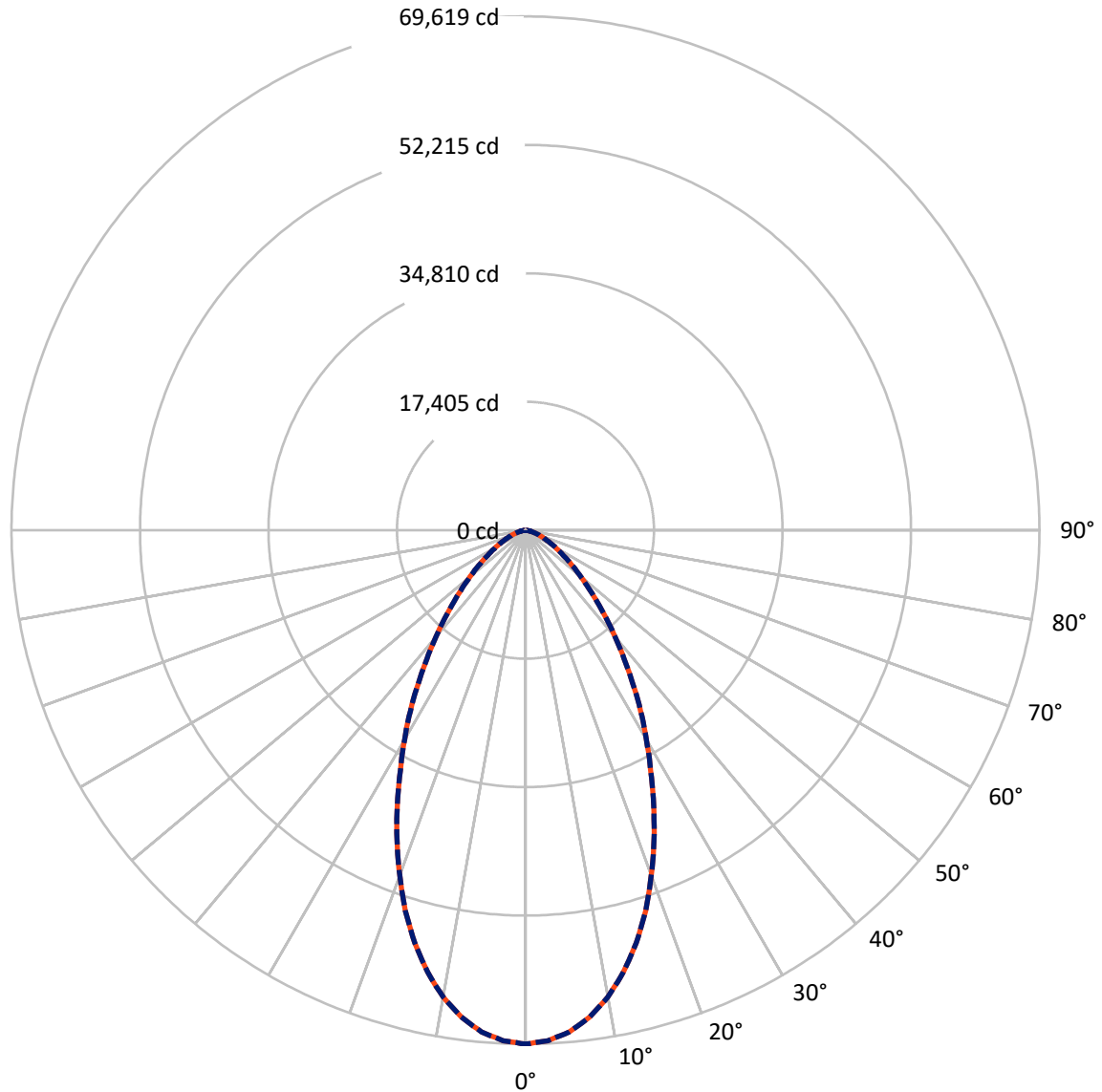
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Lumen Table

90																			
80	0.9	10.6		36.0		66.0		79.1		66.0		36.0		10.6		0.9			
70																			
60	5.1	6.9	17.4	32.8	51.6	70.9	87.1	96.0	96.0	87.1	70.9	51.6	32.8	17.4	6.9	5.1			
50		12.9	32.6	62.5	101.7	145.5	184.9	208.2	208.2	184.9	145.5	101.7	62.5	32.6	12.9				
40	11.9	20.0	51.0	102.6	178.0	270.5	359.5	414.9	414.9	359.5	270.5	178.0	102.6	51.0	20.0	11.9			
30		27.2	71.8	154.2	286.4	462.0	640.7	755.8	755.8	640.7	462.0	286.4	154.2	71.8	27.2				
20	18.1	33.8	93.1	212.3	418.7	708.7	1012.0	1214.1	1214.1	1012.0	708.7	418.7	212.3	93.1	33.8	18.1			
10		39.0	111.2	265.2	545.6	951.1	1396.4	1696.6	1696.6	1396.4	951.1	545.6	265.2	111.2	39.0				
0	20.4	41.7	121.5	297.1	624.7	1107.4	1646.4	1997.5	1997.5	1646.4	1107.4	624.7	297.1	121.5	41.7	20.4			
-10		41.7	121.5	297.1	624.7	1107.4	1646.4	1997.5	1997.5	1646.4	1107.4	624.7	297.1	121.5	41.7				
-20	18.1	39.0	111.2	265.2	545.6	951.1	1396.4	1696.6	1696.6	1396.4	951.1	545.6	265.2	111.2	39.0	18.1			
-30		33.8	93.1	212.3	418.7	708.7	1012.0	1214.1	1214.1	1012.0	708.7	418.7	212.3	93.1	33.8				
-40	11.9	27.2	71.8	154.2	286.4	462.0	640.7	755.8	755.8	640.7	462.0	286.4	154.2	71.8	27.2	11.9			
-50		20.0	51.0	102.6	178.0	270.5	359.5	414.9	414.9	359.5	270.5	178.0	102.6	51.0	20.0				
-60	5.1	12.9	32.6	62.5	101.7	145.5	184.9	208.2	208.2	184.9	145.5	101.7	62.5	32.6	12.9	5.1			
-70		6.9	17.4	32.8	51.6	70.9	87.1	96.0	96.0	87.1	70.9	51.6	32.8	17.4	6.9				
-80	0.9	10.6		36.0		66.0		79.1		66.0		36.0		10.6		0.9			
-90																			

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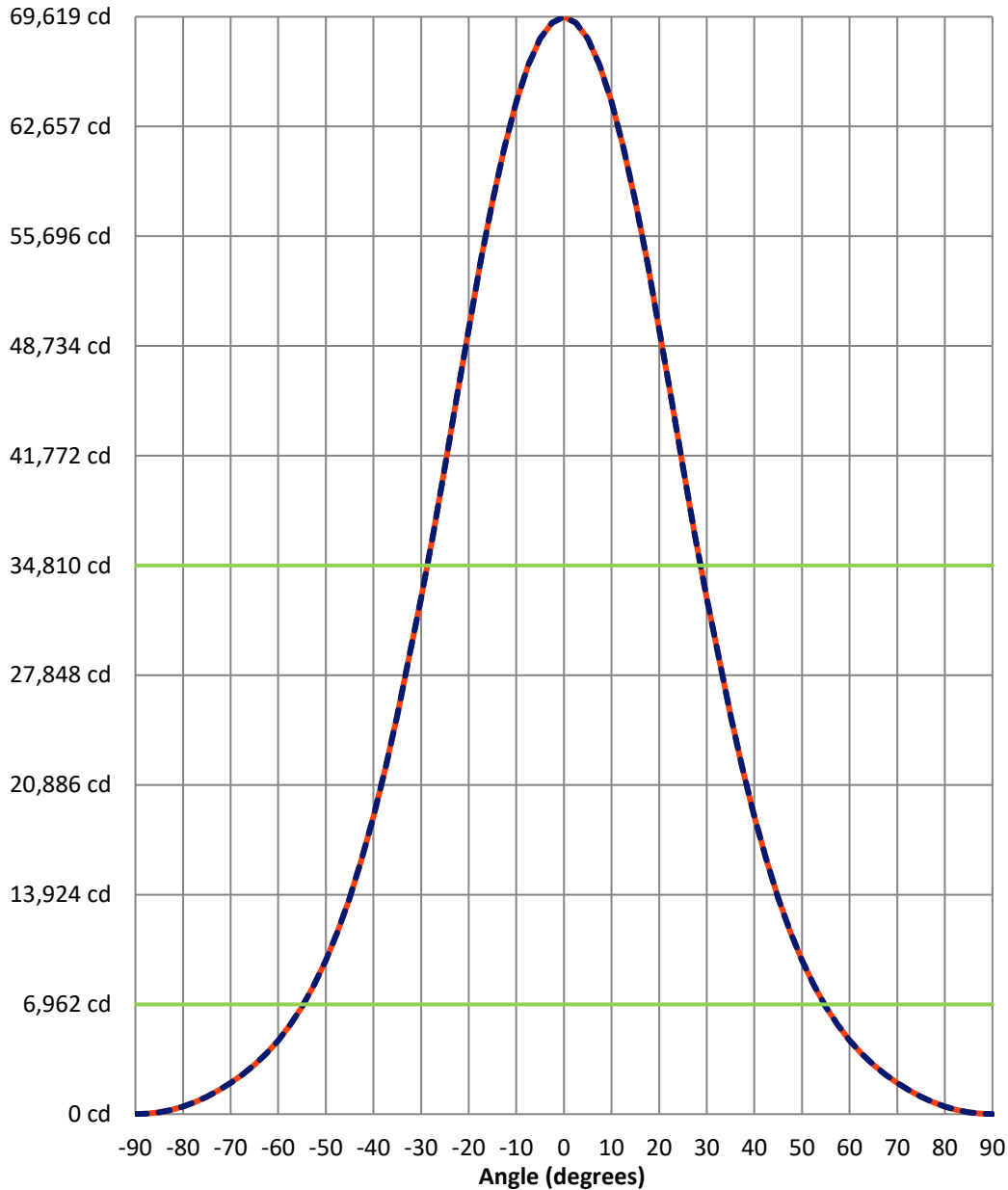
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 57.4°
V Angle: 57.4°
Lumens: 38686.8
Efficiency: 49.2%

Field:
H Angle: 109.4°
V Angle: 109.4°
Lumens: 71263.5
Efficiency: 90.7%

Spill:
Lumens: 7288.4
Efficiency: 9.3%

— 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	1.5	3.1	4.6	6.1	7.7	9.2	10.6	12.1	13.5	15.0
85°	0.0	3.1	6.2	9.2	12.3	15.3	18.3	21.3	24.2	27.1	29.9
82.5°	0.0	4.6	9.2	13.8	18.4	22.9	27.4	31.9	37.3	47.1	56.8
80°	0.0	6.1	12.3	18.4	24.5	30.5	37.9	51.3	64.6	77.7	90.6
77.5°	0.0	7.7	15.3	22.9	30.5	41.4	58.4	75.2	91.7	108.1	130.7
75°	0.0	9.2	18.3	27.4	37.9	58.4	78.7	98.8	120.7	156.4	191.5
72.5°	0.0	10.6	21.3	31.9	51.3	75.2	98.8	127.2	169.3	210.8	251.7
70°	0.0	12.1	24.2	37.3	64.6	91.7	120.7	169.3	217.3	265.2	334.1
67.5°	0.0	13.5	27.1	47.1	77.7	108.1	156.4	210.8	265.2	343.7	421.0
65°	0.0	15.0	29.9	56.8	90.6	130.7	191.5	251.7	334.1	421.0	513.8
62.5°	0.0	16.3	32.7	66.2	103.2	159.5	225.9	305.4	401.8	501.3	621.9
60°	0.0	17.7	35.4	75.5	115.5	187.6	259.6	363.5	468.0	597.0	728.0
57.5°	0.0	19.0	41.3	84.5	136.9	215.0	306.4	420.2	547.5	690.6	847.3
55°	0.0	20.3	47.2	93.3	158.3	241.7	353.8	475.5	628.7	786.3	971.2
52.5°	0.0	21.5	52.9	101.8	179.0	269.6	399.9	542.8	707.6	894.9	1091.8
50°	0.0	22.8	58.4	110.1	199.1	306.8	444.5	609.8	789.1	1000.2	1229.7
47.5°	0.0	23.9	63.7	119.6	218.5	342.6	489.3	674.4	879.6	1102.1	1365.5
45°	0.0	25.0	68.8	133.5	237.1	377.1	542.5	736.7	966.7	1219.3	1496.6
42.5°	0.0	26.1	73.6	146.9	254.9	410.1	593.6	804.1	1050.3	1332.4	1637.4
40°	0.0	27.1	78.3	159.6	276.0	441.6	642.4	873.8	1135.4	1440.6	1774.7
37.5°	0.0	28.1	82.7	171.7	299.9	471.6	688.7	940.2	1226.6	1547.5	1905.6
35°	0.0	29.0	86.9	183.1	322.5	505.2	732.6	1003.0	1313.0	1658.7	2036.2
32.5°	0.0	29.9	90.8	193.9	343.8	539.5	776.6	1062.1	1394.4	1763.4	2169.4
30°	0.0	30.7	94.4	203.9	363.6	571.5	823.7	1120.0	1470.6	1861.6	2294.2
27.5°	0.0	31.4	97.8	213.2	382.0	601.2	867.5	1181.5	1545.0	1952.9	2410.4
25°	0.0	32.1	100.9	221.8	399.0	628.6	907.9	1238.3	1619.2	2044.5	2518.4
22.5°	0.0	32.7	103.8	229.6	414.4	653.5	944.6	1290.0	1687.0	2131.9	2632.6
20°	0.0	33.3	106.3	236.6	428.3	675.9	977.8	1336.6	1748.1	2210.7	2735.7
17.5°	0.0	33.8	108.6	242.8	440.7	695.9	1007.2	1378.0	1802.4	2280.8	2827.4
15°	0.0	34.2	110.6	248.3	451.4	713.2	1032.8	1414.1	1849.7	2341.9	2907.4
12.5°	0.0	34.6	112.3	252.9	460.5	728.0	1054.6	1444.8	1890.0	2394.0	2975.6
10°	0.0	34.9	113.6	256.6	468.0	740.1	1072.4	1470.0	1923.1	2436.7	3031.6
7.5°	0.0	35.1	114.7	259.6	473.9	749.5	1086.4	1489.6	1948.9	2470.1	3075.4
5°	0.0	35.3	115.5	261.7	478.0	756.3	1096.4	1503.7	1967.4	2494.0	3106.7
2.5°	0.0	35.4	115.9	263.0	480.6	760.3	1102.4	1512.2	1978.5	2508.4	3125.6
0°	0.0	35.4	116.1	263.4	481.4	761.7	1104.4	1515.0	1982.2	2513.2	3131.9
-2.5°	0.0	35.4	115.9	263.0	480.6	760.3	1102.4	1512.2	1978.5	2508.4	3125.6
-5°	0.0	35.3	115.5	261.7	478.0	756.3	1096.4	1503.7	1967.4	2494.0	3106.7
-7.5°	0.0	35.1	114.7	259.6	473.9	749.5	1086.4	1489.6	1948.9	2470.1	3075.4
-10°	0.0	34.9	113.6	256.6	468.0	740.1	1072.4	1470.0	1923.1	2436.7	3031.6
-12.5°	0.0	34.6	112.3	252.9	460.5	728.0	1054.6	1444.8	1890.0	2394.0	2975.6
-15°	0.0	34.2	110.6	248.3	451.4	713.2	1032.8	1414.1	1849.7	2341.9	2907.4
-17.5°	0.0	33.8	108.6	242.8	440.7	695.9	1007.2	1378.0	1802.4	2280.8	2827.4
-20°	0.0	33.3	106.3	236.6	428.3	675.9	977.8	1336.6	1748.1	2210.7	2735.7



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	32.7	103.8	229.6	414.4	653.5	944.6	1290.0	1687.0	2131.9	2632.6
-25°	0.0	32.1	100.9	221.8	399.0	628.6	907.9	1238.3	1619.2	2044.5	2518.4
-27.5°	0.0	31.4	97.8	213.2	382.0	601.2	867.5	1181.5	1545.0	1952.9	2410.4
-30°	0.0	30.7	94.4	203.9	363.6	571.5	823.7	1120.0	1470.6	1861.6	2294.2
-32.5°	0.0	29.9	90.8	193.9	343.8	539.5	776.6	1062.1	1394.4	1763.4	2169.4
-35°	0.0	29.0	86.9	183.1	322.5	505.2	732.6	1003.0	1313.0	1658.7	2036.2
-37.5°	0.0	28.1	82.7	171.7	299.9	471.6	688.7	940.2	1226.6	1547.5	1905.6
-40°	0.0	27.1	78.3	159.6	276.0	441.6	642.4	873.8	1135.4	1440.6	1774.7
-42.5°	0.0	26.1	73.6	146.9	254.9	410.1	593.6	804.1	1050.3	1332.4	1637.4
-45°	0.0	25.0	68.8	133.5	237.1	377.1	542.5	736.7	966.7	1219.3	1496.6
-47.5°	0.0	23.9	63.7	119.6	218.5	342.6	489.3	674.4	879.6	1102.1	1365.5
-50°	0.0	22.8	58.4	110.1	199.1	306.8	444.5	609.8	789.1	1000.2	1229.7
-52.5°	0.0	21.5	52.9	101.8	179.0	269.6	399.9	542.8	707.6	894.9	1091.8
-55°	0.0	20.3	47.2	93.3	158.3	241.7	353.8	475.5	628.7	786.3	971.2
-57.5°	0.0	19.0	41.3	84.5	136.9	215.0	306.4	420.2	547.5	690.6	847.3
-60°	0.0	17.7	35.4	75.5	115.5	187.6	259.6	363.5	468.0	597.0	728.0
-62.5°	0.0	16.3	32.7	66.2	103.2	159.5	225.9	305.4	401.8	501.3	621.9
-65°	0.0	15.0	29.9	56.8	90.6	130.7	191.5	251.7	334.1	421.0	513.8
-67.5°	0.0	13.5	27.1	47.1	77.7	108.1	156.4	210.8	265.2	343.7	421.0
-70°	0.0	12.1	24.2	37.3	64.6	91.7	120.7	169.3	217.3	265.2	334.1
-72.5°	0.0	10.6	21.3	31.9	51.3	75.2	98.8	127.2	169.3	210.8	251.7
-75°	0.0	9.2	18.3	27.4	37.9	58.4	78.7	98.8	120.7	156.4	191.5
-77.5°	0.0	7.7	15.3	22.9	30.5	41.4	58.4	75.2	91.7	108.1	130.7
-80°	0.0	6.1	12.3	18.4	24.5	30.5	37.9	51.3	64.6	77.7	90.6
-82.5°	0.0	4.6	9.2	13.8	18.4	22.9	27.4	31.9	37.3	47.1	56.8
-85°	0.0	3.1	6.2	9.2	12.3	15.3	18.3	21.3	24.2	27.1	29.9
-87.5°	0.0	1.5	3.1	4.6	6.1	7.7	9.2	10.6	12.1	13.5	15.0
-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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 CATALOG NUMBER: EPH-08-530N-40-80-7F-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°	16.3	17.7	19.0	20.3	21.5	22.8	23.9	25.0	26.1	27.1	28.1
85°	32.7	35.4	41.3	47.2	52.9	58.4	63.7	68.8	73.6	78.3	82.7
82.5°	66.2	75.5	84.5	93.3	101.8	110.1	119.6	133.5	146.9	159.6	171.7
80°	103.2	115.5	136.9	158.3	179.0	199.1	218.5	237.1	254.9	276.0	299.9
77.5°	159.5	187.6	215.0	241.7	269.6	306.8	342.6	377.1	410.1	441.6	471.6
75°	225.9	259.6	306.4	353.8	399.9	444.5	489.3	542.5	593.6	642.4	688.7
72.5°	305.4	363.5	420.2	475.5	542.8	609.8	674.4	736.7	804.1	873.8	940.2
70°	401.8	468.0	547.5	628.7	707.6	789.1	879.6	966.7	1050.3	1135.4	1226.6
67.5°	501.3	597.0	690.6	786.3	894.9	1000.2	1102.1	1219.3	1332.4	1440.6	1547.5
65°	621.9	728.0	847.3	971.2	1091.8	1229.7	1365.5	1496.6	1637.4	1774.7	1905.6
62.5°	740.5	878.0	1017.3	1163.2	1322.1	1476.5	1641.5	1805.9	1964.2	2134.1	2298.6
60°	878.0	1032.8	1200.3	1378.0	1556.3	1748.1	1934.1	2131.9	2328.8	2518.4	2728.7
57.5°	1017.3	1200.3	1396.7	1599.0	1812.5	2025.6	2255.0	2476.9	2720.3	2959.9	3198.0
55°	1163.2	1378.0	1599.0	1834.1	2074.9	2329.4	2587.2	2866.5	3136.7	3436.4	3723.4
52.5°	1322.1	1556.3	1812.5	2074.9	2354.3	2645.8	2954.9	3274.0	3609.1	3944.6	4300.7
50°	1476.5	1748.1	2025.6	2329.4	2645.8	2984.5	3343.0	3713.6	4106.4	4504.6	4933.8
47.5°	1641.5	1934.1	2255.0	2587.2	2954.9	3343.0	3748.7	4187.9	4628.1	5136.1	5633.3
45°	1805.9	2131.9	2476.9	2866.5	3274.0	3713.6	4187.9	4669.5	5238.0	5805.0	6410.4
42.5°	1964.2	2328.8	2720.3	3136.7	3609.1	4106.4	4628.1	5238.0	5864.3	6530.7	7249.3
40°	2134.1	2518.4	2959.9	3436.4	3944.6	4504.6	5136.1	5805.0	6530.7	7323.3	8146.1
37.5°	2298.6	2728.7	3198.0	3723.4	4300.7	4933.8	5633.3	6410.4	7249.3	8146.1	9134.5
35°	2454.8	2928.5	3450.0	4019.4	4640.5	5378.0	6171.8	7028.4	7995.4	9046.3	10152.1
32.5°	2617.0	3117.5	3688.5	4317.6	5026.2	5818.9	6689.5	7696.7	8783.4	9941.2	11233.0
30°	2778.3	3320.3	3922.8	4598.4	5395.9	6274.3	7255.4	8350.9	9558.3	10910.4	12360.4
27.5°	2928.5	3511.6	4163.8	4902.1	5752.2	6701.4	7810.3	9032.6	10380.3	11859.2	13479.9
25°	3067.3	3688.5	4386.8	5197.8	6118.9	7157.7	8347.2	9668.8	11181.5	12842.0	14665.9
22.5°	3204.0	3851.0	4591.2	5469.1	6455.8	7598.2	8891.8	10341.7	11969.0	13760.9	15804.6
20°	3336.5	4019.4	4799.2	5721.4	6761.6	7998.5	9387.5	10969.7	12744.2	14732.5	16923.9
17.5°	3454.5	4169.5	4999.7	5972.0	7081.0	8381.2	9844.3	11533.7	13441.8	15609.0	17970.6
15°	3557.6	4300.7	5175.2	6191.4	7369.9	8740.7	10302.0	12091.7	14113.7	16407.6	18902.2
12.5°	3645.3	4412.5	5324.8	6378.7	7616.7	9048.4	10694.2	12579.1	14728.9	17145.9	19805.9
10°	3717.6	4504.6	5448.0	6533.1	7820.4	9302.4	11018.6	12982.6	15239.1	17759.4	20558.4
7.5°	3774.0	4576.5	5544.5	6654.0	7980.0	9501.6	11273.0	13299.6	15640.3	18242.7	21152.4
5°	3814.5	4628.1	5613.6	6740.7	8094.5	9644.6	11455.9	13527.7	15929.4	18591.2	21581.3
2.5°	3838.8	4659.1	5655.2	6792.9	8163.5	9730.8	11566.2	13665.2	16103.8	18801.7	21840.7
0°	3846.9	4669.5	5669.1	6810.3	8186.5	9759.6	11603.0	13711.2	16162.1	18872.1	21927.5
-2.5°	3838.8	4659.1	5655.2	6792.9	8163.5	9730.8	11566.2	13665.2	16103.8	18801.7	21840.7
-5°	3814.5	4628.1	5613.6	6740.7	8094.5	9644.6	11455.9	13527.7	15929.4	18591.2	21581.3
-7.5°	3774.0	4576.5	5544.5	6654.0	7980.0	9501.6	11273.0	13299.6	15640.3	18242.7	21152.4
-10°	3717.6	4504.6	5448.0	6533.1	7820.4	9302.4	11018.6	12982.6	15239.1	17759.4	20558.4
-12.5°	3645.3	4412.5	5324.8	6378.7	7616.7	9048.4	10694.2	12579.1	14728.9	17145.9	19805.9
-15°	3557.6	4300.7	5175.2	6191.4	7369.9	8740.7	10302.0	12091.7	14113.7	16407.6	18902.2
-17.5°	3454.5	4169.5	4999.7	5972.0	7081.0	8381.2	9844.3	11533.7	13441.8	15609.0	17970.6
-20°	3336.5	4019.4	4799.2	5721.4	6761.6	7998.5	9387.5	10969.7	12744.2	14732.5	16923.9



REPORT NUMBER: P1305928 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-40-80-7F-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	3204.0	3851.0	4591.2	5469.1	6455.8	7598.2	8891.8	10341.7	11969.0	13760.9	15804.6
-25°	3067.3	3688.5	4386.8	5197.8	6118.9	7157.7	8347.2	9668.8	11181.5	12842.0	14665.9
-27.5°	2928.5	3511.6	4163.8	4902.1	5752.2	6701.4	7810.3	9032.6	10380.3	11859.2	13479.9
-30°	2778.3	3320.3	3922.8	4598.4	5395.9	6274.3	7255.4	8350.9	9558.3	10910.4	12360.4
-32.5°	2617.0	3117.5	3688.5	4317.6	5026.2	5818.9	6689.5	7696.7	8783.4	9941.2	11233.0
-35°	2454.8	2928.5	3450.0	4019.4	4640.5	5378.0	6171.8	7028.4	7995.4	9046.3	10152.1
-37.5°	2298.6	2728.7	3198.0	3723.4	4300.7	4933.8	5633.3	6410.4	7249.3	8146.1	9134.5
-40°	2134.1	2518.4	2959.9	3436.4	3944.6	4504.6	5136.1	5805.0	6530.7	7323.3	8146.1
-42.5°	1964.2	2328.8	2720.3	3136.7	3609.1	4106.4	4628.1	5238.0	5864.3	6530.7	7249.3
-45°	1805.9	2131.9	2476.9	2866.5	3274.0	3713.6	4187.9	4669.5	5238.0	5805.0	6410.4
-47.5°	1641.5	1934.1	2255.0	2587.2	2954.9	3343.0	3748.7	4187.9	4628.1	5136.1	5633.3
-50°	1476.5	1748.1	2025.6	2329.4	2645.8	2984.5	3343.0	3713.6	4106.4	4504.6	4933.8
-52.5°	1322.1	1556.3	1812.5	2074.9	2354.3	2645.8	2954.9	3274.0	3609.1	3944.6	4300.7
-55°	1163.2	1378.0	1599.0	1834.1	2074.9	2329.4	2587.2	2866.5	3136.7	3436.4	3723.4
-57.5°	1017.3	1200.3	1396.7	1599.0	1812.5	2025.6	2255.0	2476.9	2720.3	2959.9	3198.0
-60°	878.0	1032.8	1200.3	1378.0	1556.3	1748.1	1934.1	2131.9	2328.8	2518.4	2728.7
-62.5°	740.5	878.0	1017.3	1163.2	1322.1	1476.5	1641.5	1805.9	1964.2	2134.1	2298.6
-65°	621.9	728.0	847.3	971.2	1091.8	1229.7	1365.5	1496.6	1637.4	1774.7	1905.6
-67.5°	501.3	597.0	690.6	786.3	894.9	1000.2	1102.1	1219.3	1332.4	1440.6	1547.5
-70°	401.8	468.0	547.5	628.7	707.6	789.1	879.6	966.7	1050.3	1135.4	1226.6
-72.5°	305.4	363.5	420.2	475.5	542.8	609.8	674.4	736.7	804.1	873.8	940.2
-75°	225.9	259.6	306.4	353.8	399.9	444.5	489.3	542.5	593.6	642.4	688.7
-77.5°	159.5	187.6	215.0	241.7	269.6	306.8	342.6	377.1	410.1	441.6	471.6
-80°	103.2	115.5	136.9	158.3	179.0	199.1	218.5	237.1	254.9	276.0	299.9
-82.5°	66.2	75.5	84.5	93.3	101.8	110.1	119.6	133.5	146.9	159.6	171.7
-85°	32.7	35.4	41.3	47.2	52.9	58.4	63.7	68.8	73.6	78.3	82.7
-87.5°	16.3	17.7	19.0	20.3	21.5	22.8	23.9	25.0	26.1	27.1	28.1
-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: P1305928 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-40-80-7F-HEG-A

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°	29.0	29.9	30.7	31.4	32.1	32.7	33.3	33.8	34.2	34.6	34.9
85°	86.9	90.8	94.4	97.8	100.9	103.8	106.3	108.6	110.6	112.3	113.6
82.5°	183.1	193.9	203.9	213.2	221.8	229.6	236.6	242.8	248.3	252.9	256.6
80°	322.5	343.8	363.6	382.0	399.0	414.4	428.3	440.7	451.4	460.5	468.0
77.5°	505.2	539.5	571.5	601.2	628.6	653.5	675.9	695.9	713.2	728.0	740.1
75°	732.6	776.6	823.7	867.5	907.9	944.6	977.8	1007.2	1032.8	1054.6	1072.4
72.5°	1003.0	1062.1	1120.0	1181.5	1238.3	1290.0	1336.6	1378.0	1414.1	1444.8	1470.0
70°	1313.0	1394.4	1470.6	1545.0	1619.2	1687.0	1748.1	1802.4	1849.7	1890.0	1923.1
67.5°	1658.7	1763.4	1861.6	1952.9	2044.5	2131.9	2210.7	2280.8	2341.9	2394.0	2436.7
65°	2036.2	2169.4	2294.2	2410.4	2518.4	2632.6	2735.7	2827.4	2907.4	2975.6	3031.6
62.5°	2454.8	2617.0	2778.3	2928.5	3067.3	3204.0	3336.5	3454.5	3557.6	3645.3	3717.6
60°	2928.5	3117.5	3320.3	3511.6	3688.5	3851.0	4019.4	4169.5	4300.7	4412.5	4504.6
57.5°	3450.0	3688.5	3922.8	4163.8	4386.8	4591.2	4799.2	4999.7	5175.2	5324.8	5448.0
55°	4019.4	4317.6	4598.4	4902.1	5197.8	5469.1	5721.4	5972.0	6191.4	6378.7	6533.1
52.5°	4640.5	5026.2	5395.9	5752.2	6118.9	6455.8	6761.6	7081.0	7369.9	7616.7	7820.4
50°	5378.0	5818.9	6274.3	6701.4	7157.7	7598.2	7998.5	8381.2	8740.7	9048.4	9302.4
47.5°	6171.8	6689.5	7255.4	7810.3	8347.2	8891.8	9387.5	9844.3	10302.0	10694.2	11018.6
45°	7028.4	7696.7	8350.9	9032.6	9668.8	10341.7	10969.7	11533.7	12091.7	12579.1	12982.6
42.5°	7995.4	8783.4	9558.3	10380.3	11181.5	11969.0	12744.2	13441.8	14113.7	14728.9	15239.1
40°	9046.3	9941.2	10910.4	11859.2	12842.0	13760.9	14732.5	15609.0	16407.6	17145.9	17759.4
37.5°	10152.1	11233.0	12360.4	13479.9	14665.9	15804.6	16923.9	17970.6	18902.2	19805.9	20558.4
35°	11341.3	12613.8	13894.2	15281.6	16635.4	17986.2	19277.3	20551.6	21685.0	22743.0	23647.4
32.5°	12613.8	14046.0	15593.3	17165.7	18710.8	20322.4	21832.7	23340.9	24696.1	25934.1	27023.8
30°	13894.2	15593.3	17344.1	19104.5	20962.1	22790.5	24582.2	26317.8	27941.1	29356.5	30542.8
27.5°	15281.6	17165.7	19104.5	21177.5	23282.2	25349.2	27476.0	29429.8	31184.5	32723.7	34123.3
25°	16635.4	18710.8	20962.1	23282.2	25633.2	28066.3	30345.0	32448.4	34480.1	36292.0	37926.5
22.5°	17986.2	20322.4	22790.5	25349.2	28066.3	30654.4	33123.1	35569.7	37895.7	40051.0	41914.8
20°	19277.3	21832.7	24582.2	27476.0	30345.0	33123.1	35939.3	38739.6	41386.5	43807.5	45886.3
17.5°	20551.6	23340.9	26317.8	29429.8	32448.4	35569.7	38739.6	41849.3	44788.8	47393.6	49651.1
15°	21685.0	24696.1	27941.1	31184.5	34480.1	37895.7	41386.5	44788.8	47910.7	50760.6	53291.3
12.5°	22743.0	25934.1	29356.5	32723.7	36292.0	40051.0	43807.5	47393.6	50760.6	53906.0	56443.0
10°	23647.4	27023.8	30542.8	34123.3	37926.5	41914.8	45886.3	49651.1	53291.3	56443.0	59209.5
7.5°	24362.8	27888.2	31486.9	35242.4	39269.3	43440.9	47540.6	51518.7	55262.1	58566.4	61342.4
5°	24880.4	28515.0	32173.5	36059.0	40253.6	44565.9	48769.7	52921.2	56694.3	60098.9	62937.6
2.5°	25193.8	28895.1	32590.6	36556.3	40854.9	45256.2	49528.1	53793.7	57596.1	61012.5	63892.1
0°	25298.7	29022.4	32730.5	36723.3	41057.2	45488.9	49784.6	54090.2	57904.6	61314.0	64220.8
-2.5°	25193.8	28895.1	32590.6	36556.3	40854.9	45256.2	49528.1	53793.7	57596.1	61012.5	63892.1
-5°	24880.4	28515.0	32173.5	36059.0	40253.6	44565.9	48769.7	52921.2	56694.3	60098.9	62937.6
-7.5°	24362.8	27888.2	31486.9	35242.4	39269.3	43440.9	47540.6	51518.7	55262.1	58566.4	61342.4
-10°	23647.4	27023.8	30542.8	34123.3	37926.5	41914.8	45886.3	49651.1	53291.3	56443.0	59209.5
-12.5°	22743.0	25934.1	29356.5	32723.7	36292.0	40051.0	43807.5	47393.6	50760.6	53906.0	56443.0
-15°	21685.0	24696.1	27941.1	31184.5	34480.1	37895.7	41386.5	44788.8	47910.7	50760.6	53291.3
-17.5°	20551.6	23340.9	26317.8	29429.8	32448.4	35569.7	38739.6	41849.3	44788.8	47393.6	49651.1
-20°	19277.3	21832.7	24582.2	27476.0	30345.0	33123.1	35939.3	38739.6	41386.5	43807.5	45886.3



REPORT NUMBER: P1305928 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-40-80-7F-HEG-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	17986.2	20322.4	22790.5	25349.2	28066.3	30654.4	33123.1	35569.7	37895.7	40051.0	41914.8
-25°	16635.4	18710.8	20962.1	23282.2	25633.2	28066.3	30345.0	32448.4	34480.1	36292.0	37926.5
-27.5°	15281.6	17165.7	19104.5	21177.5	23282.2	25349.2	27476.0	29429.8	31184.5	32723.7	34123.3
-30°	13894.2	15593.3	17344.1	19104.5	20962.1	22790.5	24582.2	26317.8	27941.1	29356.5	30542.8
-32.5°	12613.8	14046.0	15593.3	17165.7	18710.8	20322.4	21832.7	23340.9	24696.1	25934.1	27023.8
-35°	11341.3	12613.8	13894.2	15281.6	16635.4	17986.2	19277.3	20551.6	21685.0	22743.0	23647.4
-37.5°	10152.1	11233.0	12360.4	13479.9	14665.9	15804.6	16923.9	17970.6	18902.2	19805.9	20558.4
-40°	9046.3	9941.2	10910.4	11859.2	12842.0	13760.9	14732.5	15609.0	16407.6	17145.9	17759.4
-42.5°	7995.4	8783.4	9558.3	10380.3	11181.5	11969.0	12744.2	13441.8	14113.7	14728.9	15239.1
-45°	7028.4	7696.7	8350.9	9032.6	9668.8	10341.7	10969.7	11533.7	12091.7	12579.1	12982.6
-47.5°	6171.8	6689.5	7255.4	7810.3	8347.2	8891.8	9387.5	9844.3	10302.0	10694.2	11018.6
-50°	5378.0	5818.9	6274.3	6701.4	7157.7	7598.2	7998.5	8381.2	8740.7	9048.4	9302.4
-52.5°	4640.5	5026.2	5395.9	5752.2	6118.9	6455.8	6761.6	7081.0	7369.9	7616.7	7820.4
-55°	4019.4	4317.6	4598.4	4902.1	5197.8	5469.1	5721.4	5972.0	6191.4	6378.7	6533.1
-57.5°	3450.0	3688.5	3922.8	4163.8	4386.8	4591.2	4799.2	4999.7	5175.2	5324.8	5448.0
-60°	2928.5	3117.5	3320.3	3511.6	3688.5	3851.0	4019.4	4169.5	4300.7	4412.5	4504.6
-62.5°	2454.8	2617.0	2778.3	2928.5	3067.3	3204.0	3336.5	3454.5	3557.6	3645.3	3717.6
-65°	2036.2	2169.4	2294.2	2410.4	2518.4	2632.6	2735.7	2827.4	2907.4	2975.6	3031.6
-67.5°	1658.7	1763.4	1861.6	1952.9	2044.5	2131.9	2210.7	2280.8	2341.9	2394.0	2436.7
-70°	1313.0	1394.4	1470.6	1545.0	1619.2	1687.0	1748.1	1802.4	1849.7	1890.0	1923.1
-72.5°	1003.0	1062.1	1120.0	1181.5	1238.3	1290.0	1336.6	1378.0	1414.1	1444.8	1470.0
-75°	732.6	776.6	823.7	867.5	907.9	944.6	977.8	1007.2	1032.8	1054.6	1072.4
-77.5°	505.2	539.5	571.5	601.2	628.6	653.5	675.9	695.9	713.2	728.0	740.1
-80°	322.5	343.8	363.6	382.0	399.0	414.4	428.3	440.7	451.4	460.5	468.0
-82.5°	183.1	193.9	203.9	213.2	221.8	229.6	236.6	242.8	248.3	252.9	256.6
-85°	86.9	90.8	94.4	97.8	100.9	103.8	106.3	108.6	110.6	112.3	113.6
-87.5°	29.0	29.9	30.7	31.4	32.1	32.7	33.3	33.8	34.2	34.6	34.9
-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: P1305928 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-40-80-7F-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°	35.1	35.3	35.4	35.4	35.4	35.3	35.1	34.9	34.6	34.2	33.8
85°	114.7	115.5	115.9	116.1	115.9	115.5	114.7	113.6	112.3	110.6	108.6
82.5°	259.6	261.7	263.0	263.4	263.0	261.7	259.6	256.6	252.9	248.3	242.8
80°	473.9	478.0	480.6	481.4	480.6	478.0	473.9	468.0	460.5	451.4	440.7
77.5°	749.5	756.3	760.3	761.7	760.3	756.3	749.5	740.1	728.0	713.2	695.9
75°	1086.4	1096.4	1102.4	1104.4	1102.4	1096.4	1086.4	1072.4	1054.6	1032.8	1007.2
72.5°	1489.6	1503.7	1512.2	1515.0	1512.2	1503.7	1489.6	1470.0	1444.8	1414.1	1378.0
70°	1948.9	1967.4	1978.5	1982.2	1978.5	1967.4	1948.9	1923.1	1890.0	1849.7	1802.4
67.5°	2470.1	2494.0	2508.4	2513.2	2508.4	2494.0	2470.1	2436.7	2394.0	2341.9	2280.8
65°	3075.4	3106.7	3125.6	3131.9	3125.6	3106.7	3075.4	3031.6	2975.6	2907.4	2827.4
62.5°	3774.0	3814.5	3838.8	3846.9	3838.8	3814.5	3774.0	3717.6	3645.3	3557.6	3454.5
60°	4576.5	4628.1	4659.1	4669.5	4659.1	4628.1	4576.5	4504.6	4412.5	4300.7	4169.5
57.5°	5544.5	5613.6	5655.2	5669.1	5655.2	5613.6	5544.5	5448.0	5324.8	5175.2	4999.7
55°	6654.0	6740.7	6792.9	6810.3	6792.9	6740.7	6654.0	6533.1	6378.7	6191.4	5972.0
52.5°	7980.0	8094.5	8163.5	8186.5	8163.5	8094.5	7980.0	7820.4	7616.7	7369.9	7081.0
50°	9501.6	9644.6	9730.8	9759.6	9730.8	9644.6	9501.6	9302.4	9048.4	8740.7	8381.2
47.5°	11273.0	11455.9	11566.2	11603.0	11566.2	11455.9	11273.0	11018.6	10694.2	10302.0	9844.3
45°	13299.6	13527.7	13665.2	13711.2	13665.2	13527.7	13299.6	12982.6	12579.1	12091.7	11533.7
42.5°	15640.3	15929.4	16103.8	16162.1	16103.8	15929.4	15640.3	15239.1	14728.9	14113.7	13441.8
40°	18242.7	18591.2	18801.7	18872.1	18801.7	18591.2	18242.7	17759.4	17145.9	16407.6	15609.0
37.5°	21152.4	21581.3	21840.7	21927.5	21840.7	21581.3	21152.4	20558.4	19805.9	18902.2	17970.6
35°	24362.8	24880.4	25193.8	25298.7	25193.8	24880.4	24362.8	23647.4	22743.0	21685.0	20551.6
32.5°	27888.2	28515.0	28895.1	29022.4	28895.1	28515.0	27888.2	27023.8	25934.1	24696.1	23340.9
30°	31486.9	32173.5	32590.6	32730.5	32590.6	32173.5	31486.9	30542.8	29356.5	27941.1	26317.8
27.5°	35242.4	36059.0	36556.3	36723.3	36556.3	36059.0	35242.4	34123.3	32723.7	31184.5	29429.8
25°	39269.3	40253.6	40854.9	41057.2	40854.9	40253.6	39269.3	37926.5	36292.0	34480.1	32448.4
22.5°	43440.9	44565.9	45256.2	45488.9	45256.2	44565.9	43440.9	41914.8	40051.0	37895.7	35569.7
20°	47540.6	48769.7	49528.1	49784.6	49528.1	48769.7	47540.6	45886.3	43807.5	41386.5	38739.6
17.5°	51518.7	52921.2	53793.7	54090.2	53793.7	52921.2	51518.7	49651.1	47393.6	44788.8	41849.3
15°	55262.1	56694.3	57596.1	57904.6	57596.1	56694.3	55262.1	53291.3	50760.6	47910.7	44788.8
12.5°	58566.4	60098.9	61012.5	61314.0	61012.5	60098.9	58566.4	56443.0	53906.0	50760.6	47393.6
10°	61342.4	62937.6	63892.1	64220.8	63892.1	62937.6	61342.4	59209.5	56443.0	53291.3	49651.1
7.5°	63582.7	65207.4	66217.1	66542.1	66217.1	65207.4	63582.7	61342.4	58566.4	55262.1	51518.7
5°	65207.4	66891.3	67868.7	68230.5	67868.7	66891.3	65207.4	62937.6	60098.9	56694.3	52921.2
2.5°	66217.1	67868.7	68886.6	69232.2	68886.6	67868.7	66217.1	63892.1	61012.5	57596.1	53793.7
0°	66542.1	68230.5	69232.2	69619.4	69232.2	68230.5	66542.1	64220.8	61314.0	57904.6	54090.2
-2.5°	66217.1	67868.7	68886.6	69232.2	68886.6	67868.7	66217.1	63892.1	61012.5	57596.1	53793.7
-5°	65207.4	66891.3	67868.7	68230.5	67868.7	66891.3	65207.4	62937.6	60098.9	56694.3	52921.2
-7.5°	63582.7	65207.4	66217.1	66542.1	66217.1	65207.4	63582.7	61342.4	58566.4	55262.1	51518.7
-10°	61342.4	62937.6	63892.1	64220.8	63892.1	62937.6	61342.4	59209.5	56443.0	53291.3	49651.1
-12.5°	58566.4	60098.9	61012.5	61314.0	61012.5	60098.9	58566.4	56443.0	53906.0	50760.6	47393.6
-15°	55262.1	56694.3	57596.1	57904.6	57596.1	56694.3	55262.1	53291.3	50760.6	47910.7	44788.8
-17.5°	51518.7	52921.2	53793.7	54090.2	53793.7	52921.2	51518.7	49651.1	47393.6	44788.8	41849.3
-20°	47540.6	48769.7	49528.1	49784.6	49528.1	48769.7	47540.6	45886.3	43807.5	41386.5	38739.6



REPORT NUMBER: P1305928 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-40-80-7F-HEG-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	43440.9	44565.9	45256.2	45488.9	45256.2	44565.9	43440.9	41914.8	40051.0	37895.7	35569.7
-25°	39269.3	40253.6	40854.9	41057.2	40854.9	40253.6	39269.3	37926.5	36292.0	34480.1	32448.4
-27.5°	35242.4	36059.0	36556.3	36723.3	36556.3	36059.0	35242.4	34123.3	32723.7	31184.5	29429.8
-30°	31486.9	32173.5	32590.6	32730.5	32590.6	32173.5	31486.9	30542.8	29356.5	27941.1	26317.8
-32.5°	27888.2	28515.0	28895.1	29022.4	28895.1	28515.0	27888.2	27023.8	25934.1	24696.1	23340.9
-35°	24362.8	24880.4	25193.8	25298.7	25193.8	24880.4	24362.8	23647.4	22743.0	21685.0	20551.6
-37.5°	21152.4	21581.3	21840.7	21927.5	21840.7	21581.3	21152.4	20558.4	19805.9	18902.2	17970.6
-40°	18242.7	18591.2	18801.7	18872.1	18801.7	18591.2	18242.7	17759.4	17145.9	16407.6	15609.0
-42.5°	15640.3	15929.4	16103.8	16162.1	16103.8	15929.4	15640.3	15239.1	14728.9	14113.7	13441.8
-45°	13299.6	13527.7	13665.2	13711.2	13665.2	13527.7	13299.6	12982.6	12579.1	12091.7	11533.7
-47.5°	11273.0	11455.9	11566.2	11603.0	11566.2	11455.9	11273.0	11018.6	10694.2	10302.0	9844.3
-50°	9501.6	9644.6	9730.8	9759.6	9730.8	9644.6	9501.6	9302.4	9048.4	8740.7	8381.2
-52.5°	7980.0	8094.5	8163.5	8186.5	8163.5	8094.5	7980.0	7820.4	7616.7	7369.9	7081.0
-55°	6654.0	6740.7	6792.9	6810.3	6792.9	6740.7	6654.0	6533.1	6378.7	6191.4	5972.0
-57.5°	5544.5	5613.6	5655.2	5669.1	5655.2	5613.6	5544.5	5448.0	5324.8	5175.2	4999.7
-60°	4576.5	4628.1	4659.1	4669.5	4659.1	4628.1	4576.5	4504.6	4412.5	4300.7	4169.5
-62.5°	3774.0	3814.5	3838.8	3846.9	3838.8	3814.5	3774.0	3717.6	3645.3	3557.6	3454.5
-65°	3075.4	3106.7	3125.6	3131.9	3125.6	3106.7	3075.4	3031.6	2975.6	2907.4	2827.4
-67.5°	2470.1	2494.0	2508.4	2513.2	2508.4	2494.0	2470.1	2436.7	2394.0	2341.9	2280.8
-70°	1948.9	1967.4	1978.5	1982.2	1978.5	1967.4	1948.9	1923.1	1890.0	1849.7	1802.4
-72.5°	1489.6	1503.7	1512.2	1515.0	1512.2	1503.7	1489.6	1470.0	1444.8	1414.1	1378.0
-75°	1086.4	1096.4	1102.4	1104.4	1102.4	1096.4	1086.4	1072.4	1054.6	1032.8	1007.2
-77.5°	749.5	756.3	760.3	761.7	760.3	756.3	749.5	740.1	728.0	713.2	695.9
-80°	473.9	478.0	480.6	481.4	480.6	478.0	473.9	468.0	460.5	451.4	440.7
-82.5°	259.6	261.7	263.0	263.4	263.0	261.7	259.6	256.6	252.9	248.3	242.8
-85°	114.7	115.5	115.9	116.1	115.9	115.5	114.7	113.6	112.3	110.6	108.6
-87.5°	35.1	35.3	35.4	35.4	35.4	35.3	35.1	34.9	34.6	34.2	33.8
-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: P1305928 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-40-80-7F-HEG-A

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°	33.3	32.7	32.1	31.4	30.7	29.9	29.0	28.1	27.1	26.1	25.0
85°	106.3	103.8	100.9	97.8	94.4	90.8	86.9	82.7	78.3	73.6	68.8
82.5°	236.6	229.6	221.8	213.2	203.9	193.9	183.1	171.7	159.6	146.9	133.5
80°	428.3	414.4	399.0	382.0	363.6	343.8	322.5	299.9	276.0	254.9	237.1
77.5°	675.9	653.5	628.6	601.2	571.5	539.5	505.2	471.6	441.6	410.1	377.1
75°	977.8	944.6	907.9	867.5	823.7	776.6	732.6	688.7	642.4	593.6	542.5
72.5°	1336.6	1290.0	1238.3	1181.5	1120.0	1062.1	1003.0	940.2	873.8	804.1	736.7
70°	1748.1	1687.0	1619.2	1545.0	1470.6	1394.4	1313.0	1226.6	1135.4	1050.3	966.7
67.5°	2210.7	2131.9	2044.5	1952.9	1861.6	1763.4	1658.7	1547.5	1440.6	1332.4	1219.3
65°	2735.7	2632.6	2518.4	2410.4	2294.2	2169.4	2036.2	1905.6	1774.7	1637.4	1496.6
62.5°	3336.5	3204.0	3067.3	2928.5	2778.3	2617.0	2454.8	2298.6	2134.1	1964.2	1805.9
60°	4019.4	3851.0	3688.5	3511.6	3320.3	3117.5	2928.5	2728.7	2518.4	2328.8	2131.9
57.5°	4799.2	4591.2	4386.8	4163.8	3922.8	3688.5	3450.0	3198.0	2959.9	2720.3	2476.9
55°	5721.4	5469.1	5197.8	4902.1	4598.4	4317.6	4019.4	3723.4	3436.4	3136.7	2866.5
52.5°	6761.6	6455.8	6118.9	5752.2	5395.9	5026.2	4640.5	4300.7	3944.6	3609.1	3274.0
50°	7998.5	7598.2	7157.7	6701.4	6274.3	5818.9	5378.0	4933.8	4504.6	4106.4	3713.6
47.5°	9387.5	8891.8	8347.2	7810.3	7255.4	6689.5	6171.8	5633.3	5136.1	4628.1	4187.9
45°	10969.7	10341.7	9668.8	9032.6	8350.9	7696.7	7028.4	6410.4	5805.0	5238.0	4669.5
42.5°	12744.2	11969.0	11181.5	10380.3	9558.3	8783.4	7995.4	7249.3	6530.7	5864.3	5238.0
40°	14732.5	13760.9	12842.0	11859.2	10910.4	9941.2	9046.3	8146.1	7323.3	6530.7	5805.0
37.5°	16923.9	15804.6	14665.9	13479.9	12360.4	11233.0	10152.1	9134.5	8146.1	7249.3	6410.4
35°	19277.3	17986.2	16635.4	15281.6	13894.2	12613.8	11341.3	10152.1	9046.3	7995.4	7028.4
32.5°	21832.7	20322.4	18710.8	17165.7	15593.3	14046.0	12613.8	11233.0	9941.2	8783.4	7696.7
30°	24582.2	22790.5	20962.1	19104.5	17344.1	15593.3	13894.2	12360.4	10910.4	9558.3	8350.9
27.5°	27476.0	25349.2	23282.2	21177.5	19104.5	17165.7	15281.6	13479.9	11859.2	10380.3	9032.6
25°	30345.0	28066.3	25633.2	23282.2	20962.1	18710.8	16635.4	14665.9	12842.0	11181.5	9668.8
22.5°	33123.1	30654.4	28066.3	25349.2	22790.5	20322.4	17986.2	15804.6	13760.9	11969.0	10341.7
20°	35939.3	33123.1	30345.0	27476.0	24582.2	21832.7	19277.3	16923.9	14732.5	12744.2	10969.7
17.5°	38739.6	35569.7	32448.4	29429.8	26317.8	23340.9	20551.6	17970.6	15609.0	13441.8	11533.7
15°	41386.5	37895.7	34480.1	31184.5	27941.1	24696.1	21685.0	18902.2	16407.6	14113.7	12091.7
12.5°	43807.5	40051.0	36292.0	32723.7	29356.5	25934.1	22743.0	19805.9	17145.9	14728.9	12579.1
10°	45886.3	41914.8	37926.5	34123.3	30542.8	27023.8	23647.4	20558.4	17759.4	15239.1	12982.6
7.5°	47540.6	43440.9	39269.3	35242.4	31486.9	27888.2	24362.8	21152.4	18242.7	15640.3	13299.6
5°	48769.7	44565.9	40253.6	36059.0	32173.5	28515.0	24880.4	21581.3	18591.2	15929.4	13527.7
2.5°	49528.1	45256.2	40854.9	36556.3	32590.6	28895.1	25193.8	21840.7	18801.7	16103.8	13665.2
0°	49784.6	45488.9	41057.2	36723.3	32730.5	29022.4	25298.7	21927.5	18872.1	16162.1	13711.2
-2.5°	49528.1	45256.2	40854.9	36556.3	32590.6	28895.1	25193.8	21840.7	18801.7	16103.8	13665.2
-5°	48769.7	44565.9	40253.6	36059.0	32173.5	28515.0	24880.4	21581.3	18591.2	15929.4	13527.7
-7.5°	47540.6	43440.9	39269.3	35242.4	31486.9	27888.2	24362.8	21152.4	18242.7	15640.3	13299.6
-10°	45886.3	41914.8	37926.5	34123.3	30542.8	27023.8	23647.4	20558.4	17759.4	15239.1	12982.6
-12.5°	43807.5	40051.0	36292.0	32723.7	29356.5	25934.1	22743.0	19805.9	17145.9	14728.9	12579.1
-15°	41386.5	37895.7	34480.1	31184.5	27941.1	24696.1	21685.0	18902.2	16407.6	14113.7	12091.7
-17.5°	38739.6	35569.7	32448.4	29429.8	26317.8	23340.9	20551.6	17970.6	15609.0	13441.8	11533.7
-20°	35939.3	33123.1	30345.0	27476.0	24582.2	21832.7	19277.3	16923.9	14732.5	12744.2	10969.7



REPORT NUMBER: P1305928 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-40-80-7F-HEG-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	33123.1	30654.4	28066.3	25349.2	22790.5	20322.4	17986.2	15804.6	13760.9	11969.0	10341.7
-25°	30345.0	28066.3	25633.2	23282.2	20962.1	18710.8	16635.4	14665.9	12842.0	11181.5	9668.8
-27.5°	27476.0	25349.2	23282.2	21177.5	19104.5	17165.7	15281.6	13479.9	11859.2	10380.3	9032.6
-30°	24582.2	22790.5	20962.1	19104.5	17344.1	15593.3	13894.2	12360.4	10910.4	9558.3	8350.9
-32.5°	21832.7	20322.4	18710.8	17165.7	15593.3	14046.0	12613.8	11233.0	9941.2	8783.4	7696.7
-35°	19277.3	17986.2	16635.4	15281.6	13894.2	12613.8	11341.3	10152.1	9046.3	7995.4	7028.4
-37.5°	16923.9	15804.6	14665.9	13479.9	12360.4	11233.0	10152.1	9134.5	8146.1	7249.3	6410.4
-40°	14732.5	13760.9	12842.0	11859.2	10910.4	9941.2	9046.3	8146.1	7323.3	6530.7	5805.0
-42.5°	12744.2	11969.0	11181.5	10380.3	9558.3	8783.4	7995.4	7249.3	6530.7	5864.3	5238.0
-45°	10969.7	10341.7	9668.8	9032.6	8350.9	7696.7	7028.4	6410.4	5805.0	5238.0	4669.5
-47.5°	9387.5	8891.8	8347.2	7810.3	7255.4	6689.5	6171.8	5633.3	5136.1	4628.1	4187.9
-50°	7998.5	7598.2	7157.7	6701.4	6274.3	5818.9	5378.0	4933.8	4504.6	4106.4	3713.6
-52.5°	6761.6	6455.8	6118.9	5752.2	5395.9	5026.2	4640.5	4300.7	3944.6	3609.1	3274.0
-55°	5721.4	5469.1	5197.8	4902.1	4598.4	4317.6	4019.4	3723.4	3436.4	3136.7	2866.5
-57.5°	4799.2	4591.2	4386.8	4163.8	3922.8	3688.5	3450.0	3198.0	2959.9	2720.3	2476.9
-60°	4019.4	3851.0	3688.5	3511.6	3320.3	3117.5	2928.5	2728.7	2518.4	2328.8	2131.9
-62.5°	3336.5	3204.0	3067.3	2928.5	2778.3	2617.0	2454.8	2298.6	2134.1	1964.2	1805.9
-65°	2735.7	2632.6	2518.4	2410.4	2294.2	2169.4	2036.2	1905.6	1774.7	1637.4	1496.6
-67.5°	2210.7	2131.9	2044.5	1952.9	1861.6	1763.4	1658.7	1547.5	1440.6	1332.4	1219.3
-70°	1748.1	1687.0	1619.2	1545.0	1470.6	1394.4	1313.0	1226.6	1135.4	1050.3	966.7
-72.5°	1336.6	1290.0	1238.3	1181.5	1120.0	1062.1	1003.0	940.2	873.8	804.1	736.7
-75°	977.8	944.6	907.9	867.5	823.7	776.6	732.6	688.7	642.4	593.6	542.5
-77.5°	675.9	653.5	628.6	601.2	571.5	539.5	505.2	471.6	441.6	410.1	377.1
-80°	428.3	414.4	399.0	382.0	363.6	343.8	322.5	299.9	276.0	254.9	237.1
-82.5°	236.6	229.6	221.8	213.2	203.9	193.9	183.1	171.7	159.6	146.9	133.5
-85°	106.3	103.8	100.9	97.8	94.4	90.8	86.9	82.7	78.3	73.6	68.8
-87.5°	33.3	32.7	32.1	31.4	30.7	29.9	29.0	28.1	27.1	26.1	25.0
-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: P1305928 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-530N-40-80-7F-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°	23.9	22.8	21.5	20.3	19.0	17.7	16.3	15.0	13.5	12.1	10.6
85°	63.7	58.4	52.9	47.2	41.3	35.4	32.7	29.9	27.1	24.2	21.3
82.5°	119.6	110.1	101.8	93.3	84.5	75.5	66.2	56.8	47.1	37.3	31.9
80°	218.5	199.1	179.0	158.3	136.9	115.5	103.2	90.6	77.7	64.6	51.3
77.5°	342.6	306.8	269.6	241.7	215.0	187.6	159.5	130.7	108.1	91.7	75.2
75°	489.3	444.5	399.9	353.8	306.4	259.6	225.9	191.5	156.4	120.7	98.8
72.5°	674.4	609.8	542.8	475.5	420.2	363.5	305.4	251.7	210.8	169.3	127.2
70°	879.6	789.1	707.6	628.7	547.5	468.0	401.8	334.1	265.2	217.3	169.3
67.5°	1102.1	1000.2	894.9	786.3	690.6	597.0	501.3	421.0	343.7	265.2	210.8
65°	1365.5	1229.7	1091.8	971.2	847.3	728.0	621.9	513.8	421.0	334.1	251.7
62.5°	1641.5	1476.5	1322.1	1163.2	1017.3	878.0	740.5	621.9	501.3	401.8	305.4
60°	1934.1	1748.1	1556.3	1378.0	1200.3	1032.8	878.0	728.0	597.0	468.0	363.5
57.5°	2255.0	2025.6	1812.5	1599.0	1396.7	1200.3	1017.3	847.3	690.6	547.5	420.2
55°	2587.2	2329.4	2074.9	1834.1	1599.0	1378.0	1163.2	971.2	786.3	628.7	475.5
52.5°	2954.9	2645.8	2354.3	2074.9	1812.5	1556.3	1322.1	1091.8	894.9	707.6	542.8
50°	3343.0	2984.5	2645.8	2329.4	2025.6	1748.1	1476.5	1229.7	1000.2	789.1	609.8
47.5°	3748.7	3343.0	2954.9	2587.2	2255.0	1934.1	1641.5	1365.5	1102.1	879.6	674.4
45°	4187.9	3713.6	3274.0	2866.5	2476.9	2131.9	1805.9	1496.6	1219.3	966.7	736.7
42.5°	4628.1	4106.4	3609.1	3136.7	2720.3	2328.8	1964.2	1637.4	1332.4	1050.3	804.1
40°	5136.1	4504.6	3944.6	3436.4	2959.9	2518.4	2134.1	1774.7	1440.6	1135.4	873.8
37.5°	5633.3	4933.8	4300.7	3723.4	3198.0	2728.7	2298.6	1905.6	1547.5	1226.6	940.2
35°	6171.8	5378.0	4640.5	4019.4	3450.0	2928.5	2454.8	2036.2	1658.7	1313.0	1003.0
32.5°	6689.5	5818.9	5026.2	4317.6	3688.5	3117.5	2617.0	2169.4	1763.4	1394.4	1062.1
30°	7255.4	6274.3	5395.9	4598.4	3922.8	3320.3	2778.3	2294.2	1861.6	1470.6	1120.0
27.5°	7810.3	6701.4	5752.2	4902.1	4163.8	3511.6	2928.5	2410.4	1952.9	1545.0	1181.5
25°	8347.2	7157.7	6118.9	5197.8	4386.8	3688.5	3067.3	2518.4	2044.5	1619.2	1238.3
22.5°	8891.8	7598.2	6455.8	5469.1	4591.2	3851.0	3204.0	2632.6	2131.9	1687.0	1290.0
20°	9387.5	7998.5	6761.6	5721.4	4799.2	4019.4	3336.5	2735.7	2210.7	1748.1	1336.6
17.5°	9844.3	8381.2	7081.0	5972.0	4999.7	4169.5	3454.5	2827.4	2280.8	1802.4	1378.0
15°	10302.0	8740.7	7369.9	6191.4	5175.2	4300.7	3557.6	2907.4	2341.9	1849.7	1414.1
12.5°	10694.2	9048.4	7616.7	6378.7	5324.8	4412.5	3645.3	2975.6	2394.0	1890.0	1444.8
10°	11018.6	9302.4	7820.4	6533.1	5448.0	4504.6	3717.6	3031.6	2436.7	1923.1	1470.0
7.5°	11273.0	9501.6	7980.0	6654.0	5544.5	4576.5	3774.0	3075.4	2470.1	1948.9	1489.6
5°	11455.9	9644.6	8094.5	6740.7	5613.6	4628.1	3814.5	3106.7	2494.0	1967.4	1503.7
2.5°	11566.2	9730.8	8163.5	6792.9	5655.2	4659.1	3838.8	3125.6	2508.4	1978.5	1512.2
0°	11603.0	9759.6	8186.5	6810.3	5669.1	4669.5	3846.9	3131.9	2513.2	1982.2	1515.0
-2.5°	11566.2	9730.8	8163.5	6792.9	5655.2	4659.1	3838.8	3125.6	2508.4	1978.5	1512.2
-5°	11455.9	9644.6	8094.5	6740.7	5613.6	4628.1	3814.5	3106.7	2494.0	1967.4	1503.7
-7.5°	11273.0	9501.6	7980.0	6654.0	5544.5	4576.5	3774.0	3075.4	2470.1	1948.9	1489.6
-10°	11018.6	9302.4	7820.4	6533.1	5448.0	4504.6	3717.6	3031.6	2436.7	1923.1	1470.0
-12.5°	10694.2	9048.4	7616.7	6378.7	5324.8	4412.5	3645.3	2975.6	2394.0	1890.0	1444.8
-15°	10302.0	8740.7	7369.9	6191.4	5175.2	4300.7	3557.6	2907.4	2341.9	1849.7	1414.1
-17.5°	9844.3	8381.2	7081.0	5972.0	4999.7	4169.5	3454.5	2827.4	2280.8	1802.4	1378.0
-20°	9387.5	7998.5	6761.6	5721.4	4799.2	4019.4	3336.5	2735.7	2210.7	1748.1	1336.6



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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°	8891.8	7598.2	6455.8	5469.1	4591.2	3851.0	3204.0	2632.6	2131.9	1687.0	1290.0
-25°	8347.2	7157.7	6118.9	5197.8	4386.8	3688.5	3067.3	2518.4	2044.5	1619.2	1238.3
-27.5°	7810.3	6701.4	5752.2	4902.1	4163.8	3511.6	2928.5	2410.4	1952.9	1545.0	1181.5
-30°	7255.4	6274.3	5395.9	4598.4	3922.8	3320.3	2778.3	2294.2	1861.6	1470.6	1120.0
-32.5°	6689.5	5818.9	5026.2	4317.6	3688.5	3117.5	2617.0	2169.4	1763.4	1394.4	1062.1
-35°	6171.8	5378.0	4640.5	4019.4	3450.0	2928.5	2454.8	2036.2	1658.7	1313.0	1003.0
-37.5°	5633.3	4933.8	4300.7	3723.4	3198.0	2728.7	2298.6	1905.6	1547.5	1226.6	940.2
-40°	5136.1	4504.6	3944.6	3436.4	2959.9	2518.4	2134.1	1774.7	1440.6	1135.4	873.8
-42.5°	4628.1	4106.4	3609.1	3136.7	2720.3	2328.8	1964.2	1637.4	1332.4	1050.3	804.1
-45°	4187.9	3713.6	3274.0	2866.5	2476.9	2131.9	1805.9	1496.6	1219.3	966.7	736.7
-47.5°	3748.7	3343.0	2954.9	2587.2	2255.0	1934.1	1641.5	1365.5	1102.1	879.6	674.4
-50°	3343.0	2984.5	2645.8	2329.4	2025.6	1748.1	1476.5	1229.7	1000.2	789.1	609.8
-52.5°	2954.9	2645.8	2354.3	2074.9	1812.5	1556.3	1322.1	1091.8	894.9	707.6	542.8
-55°	2587.2	2329.4	2074.9	1834.1	1599.0	1378.0	1163.2	971.2	786.3	628.7	475.5
-57.5°	2255.0	2025.6	1812.5	1599.0	1396.7	1200.3	1017.3	847.3	690.6	547.5	420.2
-60°	1934.1	1748.1	1556.3	1378.0	1200.3	1032.8	878.0	728.0	597.0	468.0	363.5
-62.5°	1641.5	1476.5	1322.1	1163.2	1017.3	878.0	740.5	621.9	501.3	401.8	305.4
-65°	1365.5	1229.7	1091.8	971.2	847.3	728.0	621.9	513.8	421.0	334.1	251.7
-67.5°	1102.1	1000.2	894.9	786.3	690.6	597.0	501.3	421.0	343.7	265.2	210.8
-70°	879.6	789.1	707.6	628.7	547.5	468.0	401.8	334.1	265.2	217.3	169.3
-72.5°	674.4	609.8	542.8	475.5	420.2	363.5	305.4	251.7	210.8	169.3	127.2
-75°	489.3	444.5	399.9	353.8	306.4	259.6	225.9	191.5	156.4	120.7	98.8
-77.5°	342.6	306.8	269.6	241.7	215.0	187.6	159.5	130.7	108.1	91.7	75.2
-80°	218.5	199.1	179.0	158.3	136.9	115.5	103.2	90.6	77.7	64.6	51.3
-82.5°	119.6	110.1	101.8	93.3	84.5	75.5	66.2	56.8	47.1	37.3	31.9
-85°	63.7	58.4	52.9	47.2	41.3	35.4	32.7	29.9	27.1	24.2	21.3
-87.5°	23.9	22.8	21.5	20.3	19.0	17.7	16.3	15.0	13.5	12.1	10.6
-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°	9.2	7.7	6.1	4.6	3.1	1.5	0.0
85°	18.3	15.3	12.3	9.2	6.2	3.1	0.0
82.5°	27.4	22.9	18.4	13.8	9.2	4.6	0.0
80°	37.9	30.5	24.5	18.4	12.3	6.1	0.0
77.5°	58.4	41.4	30.5	22.9	15.3	7.7	0.0
75°	78.7	58.4	37.9	27.4	18.3	9.2	0.0
72.5°	98.8	75.2	51.3	31.9	21.3	10.6	0.0
70°	120.7	91.7	64.6	37.3	24.2	12.1	0.0
67.5°	156.4	108.1	77.7	47.1	27.1	13.5	0.0
65°	191.5	130.7	90.6	56.8	29.9	15.0	0.0
62.5°	225.9	159.5	103.2	66.2	32.7	16.3	0.0
60°	259.6	187.6	115.5	75.5	35.4	17.7	0.0
57.5°	306.4	215.0	136.9	84.5	41.3	19.0	0.0
55°	353.8	241.7	158.3	93.3	47.2	20.3	0.0
52.5°	399.9	269.6	179.0	101.8	52.9	21.5	0.0
50°	444.5	306.8	199.1	110.1	58.4	22.8	0.0
47.5°	489.3	342.6	218.5	119.6	63.7	23.9	0.0
45°	542.5	377.1	237.1	133.5	68.8	25.0	0.0
42.5°	593.6	410.1	254.9	146.9	73.6	26.1	0.0
40°	642.4	441.6	276.0	159.6	78.3	27.1	0.0
37.5°	688.7	471.6	299.9	171.7	82.7	28.1	0.0
35°	732.6	505.2	322.5	183.1	86.9	29.0	0.0
32.5°	776.6	539.5	343.8	193.9	90.8	29.9	0.0
30°	823.7	571.5	363.6	203.9	94.4	30.7	0.0
27.5°	867.5	601.2	382.0	213.2	97.8	31.4	0.0
25°	907.9	628.6	399.0	221.8	100.9	32.1	0.0
22.5°	944.6	653.5	414.4	229.6	103.8	32.7	0.0
20°	977.8	675.9	428.3	236.6	106.3	33.3	0.0
17.5°	1007.2	695.9	440.7	242.8	108.6	33.8	0.0
15°	1032.8	713.2	451.4	248.3	110.6	34.2	0.0
12.5°	1054.6	728.0	460.5	252.9	112.3	34.6	0.0
10°	1072.4	740.1	468.0	256.6	113.6	34.9	0.0
7.5°	1086.4	749.5	473.9	259.6	114.7	35.1	0.0
5°	1096.4	756.3	478.0	261.7	115.5	35.3	0.0
2.5°	1102.4	760.3	480.6	263.0	115.9	35.4	0.0
0°	1104.4	761.7	481.4	263.4	116.1	35.4	0.0
-2.5°	1102.4	760.3	480.6	263.0	115.9	35.4	0.0
-5°	1096.4	756.3	478.0	261.7	115.5	35.3	0.0
-7.5°	1086.4	749.5	473.9	259.6	114.7	35.1	0.0
-10°	1072.4	740.1	468.0	256.6	113.6	34.9	0.0
-12.5°	1054.6	728.0	460.5	252.9	112.3	34.6	0.0
-15°	1032.8	713.2	451.4	248.3	110.6	34.2	0.0
-17.5°	1007.2	695.9	440.7	242.8	108.6	33.8	0.0
-20°	977.8	675.9	428.3	236.6	106.3	33.3	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	944.6	653.5	414.4	229.6	103.8	32.7	0.0
-25°	907.9	628.6	399.0	221.8	100.9	32.1	0.0
-27.5°	867.5	601.2	382.0	213.2	97.8	31.4	0.0
-30°	823.7	571.5	363.6	203.9	94.4	30.7	0.0
-32.5°	776.6	539.5	343.8	193.9	90.8	29.9	0.0
-35°	732.6	505.2	322.5	183.1	86.9	29.0	0.0
-37.5°	688.7	471.6	299.9	171.7	82.7	28.1	0.0
-40°	642.4	441.6	276.0	159.6	78.3	27.1	0.0
-42.5°	593.6	410.1	254.9	146.9	73.6	26.1	0.0
-45°	542.5	377.1	237.1	133.5	68.8	25.0	0.0
-47.5°	489.3	342.6	218.5	119.6	63.7	23.9	0.0
-50°	444.5	306.8	199.1	110.1	58.4	22.8	0.0
-52.5°	399.9	269.6	179.0	101.8	52.9	21.5	0.0
-55°	353.8	241.7	158.3	93.3	47.2	20.3	0.0
-57.5°	306.4	215.0	136.9	84.5	41.3	19.0	0.0
-60°	259.6	187.6	115.5	75.5	35.4	17.7	0.0
-62.5°	225.9	159.5	103.2	66.2	32.7	16.3	0.0
-65°	191.5	130.7	90.6	56.8	29.9	15.0	0.0
-67.5°	156.4	108.1	77.7	47.1	27.1	13.5	0.0
-70°	120.7	91.7	64.6	37.3	24.2	12.1	0.0
-72.5°	98.8	75.2	51.3	31.9	21.3	10.6	0.0
-75°	78.7	58.4	37.9	27.4	18.3	9.2	0.0
-77.5°	58.4	41.4	30.5	22.9	15.3	7.7	0.0
-80°	37.9	30.5	24.5	18.4	12.3	6.1	0.0
-82.5°	27.4	22.9	18.4	13.8	9.2	4.6	0.0
-85°	18.3	15.3	12.3	9.2	6.2	3.1	0.0
-87.5°	9.2	7.7	6.1	4.6	3.1	1.5	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)