

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: P1305886 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-40-70-7F-HEG-A**

Issue Date: 2/3/2026

Test Information

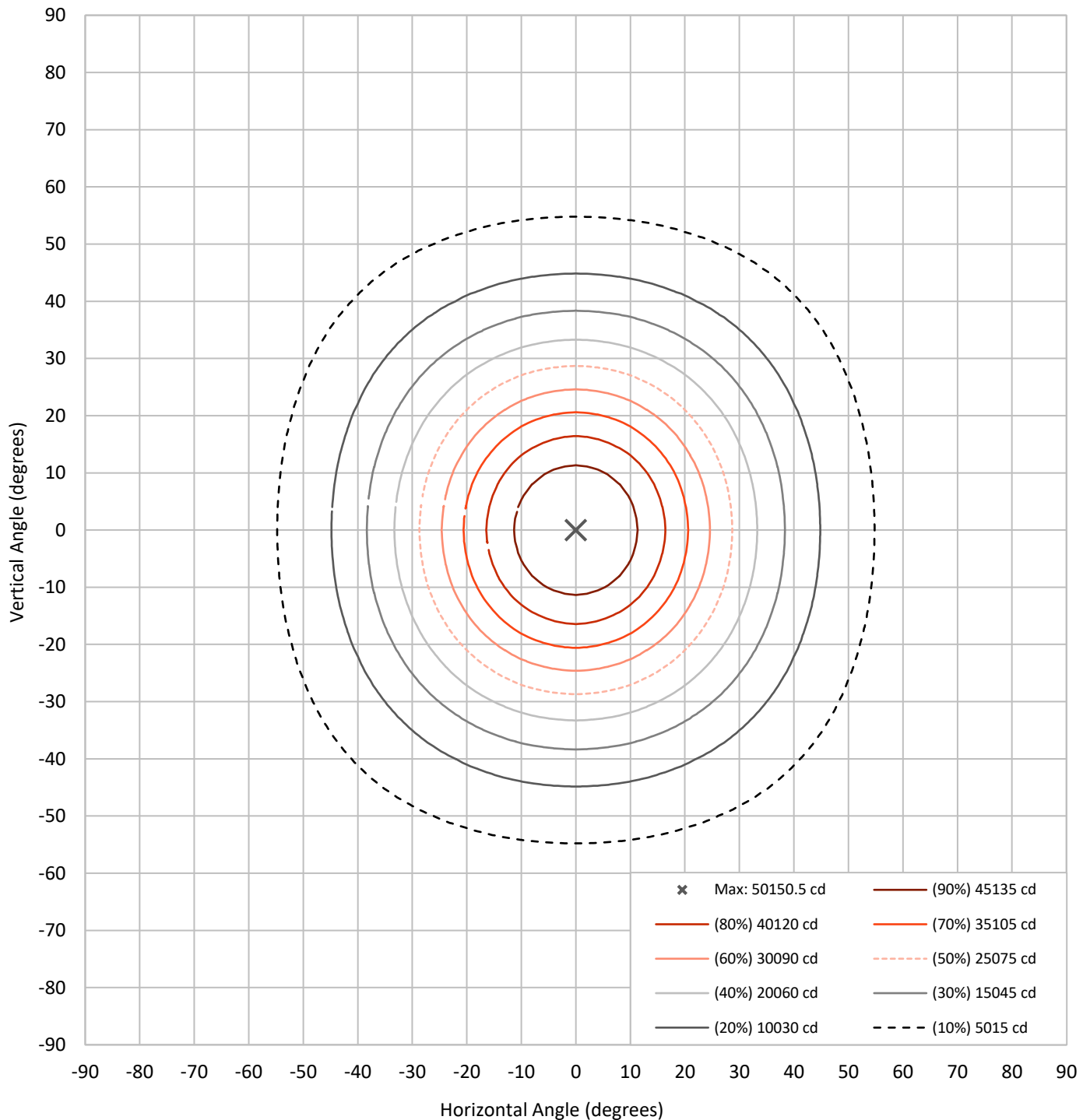
Test Method: LM-79-08
Report Number: P1305886 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-7)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-320N-40-70-7F-HEG-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 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:	56585 lumens	Max Intensity:	50150.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	169.4 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:	27868.1 lumens	Field Lumens:	51334.8 lumens
Beam Efficiency:	49.2%	Field Efficiency:	90.7%
Input Watts (W):	334		
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





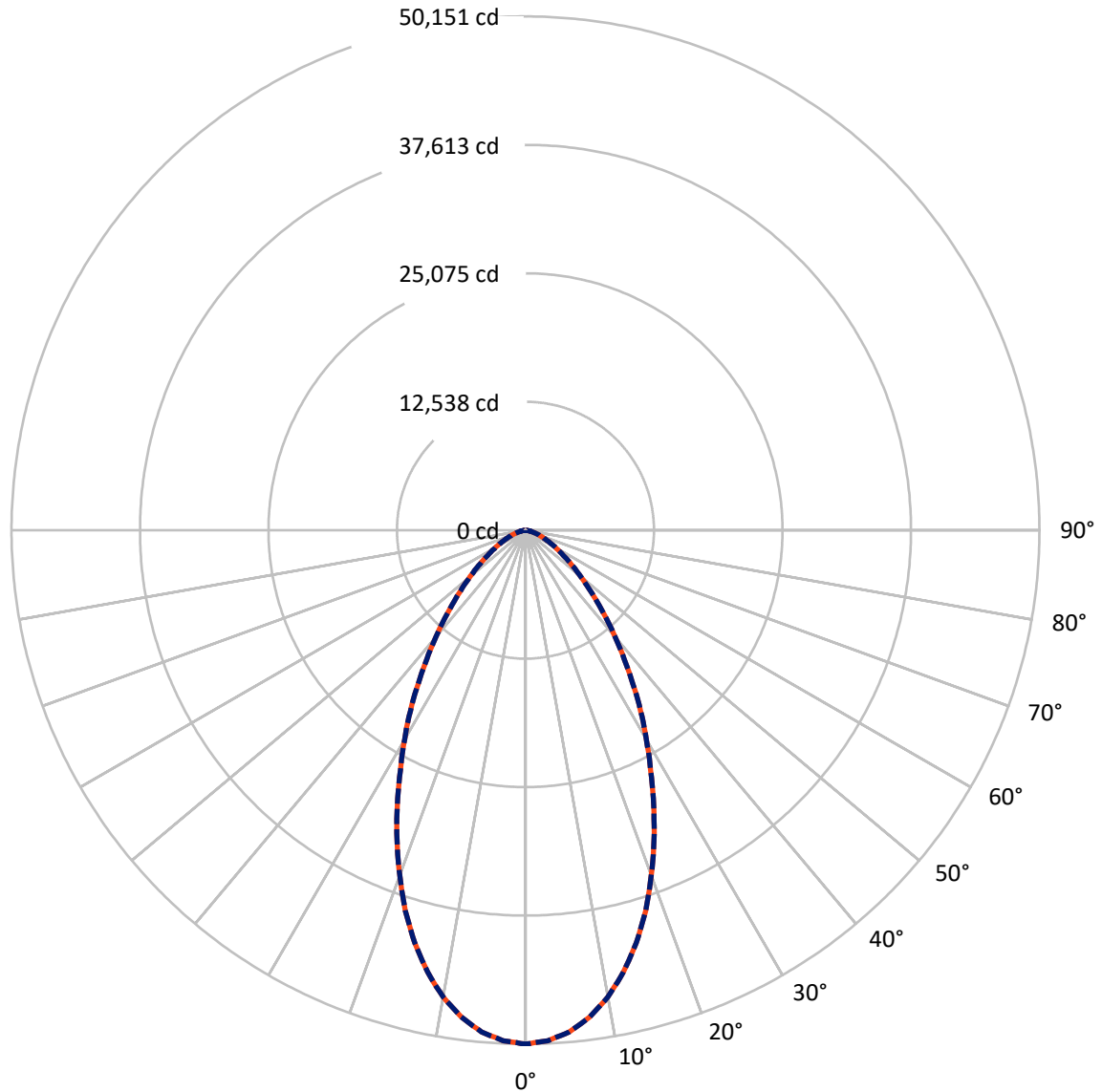
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Lumen Table

90	0.7	7.7	25.9	47.5	56.9	47.5	25.9	7.7	0.7							
80	0.7	7.7	25.9	47.5	56.9	47.5	25.9	7.7	0.7							
70	3.7	5.0	12.5	23.6	37.2	51.1	62.7	69.2	69.2	62.7	51.1	37.2	23.6	12.5	5.0	3.7
60		9.3	23.5	45.1	73.3	104.8	133.2	150.0	150.0	133.2	104.8	73.3	45.1	23.5	9.3	
50	8.6	14.4	36.7	73.9	128.2	194.9	259.0	298.8	298.8	259.0	194.9	128.2	73.9	36.7	14.4	8.6
40		19.6	51.7	111.1	206.3	332.8	461.5	544.4	544.4	461.5	332.8	206.3	111.1	51.7	19.6	
30	13.0	24.3	67.1	153.0	301.6	510.5	729.0	874.6	874.6	729.0	510.5	301.6	153.0	67.1	24.3	13.0
20		28.1	80.1	191.1	393.0	685.1	1005.9	1222.2	1222.2	1005.9	685.1	393.0	191.1	80.1	28.1	
10	14.7	30.1	87.6	214.0	450.0	797.7	1186.0	1438.9	1438.9	1186.0	797.7	450.0	214.0	87.6	30.1	14.7
0		30.1	87.6	214.0	450.0	797.7	1186.0	1438.9	1438.9	1186.0	797.7	450.0	214.0	87.6	30.1	
-10	13.0	28.1	80.1	191.1	393.0	685.1	1005.9	1222.2	1222.2	1005.9	685.1	393.0	191.1	80.1	28.1	13.0
-20		24.3	67.1	153.0	301.6	510.5	729.0	874.6	874.6	729.0	510.5	301.6	153.0	67.1	24.3	
-30	8.6	19.6	51.7	111.1	206.3	332.8	461.5	544.4	544.4	461.5	332.8	206.3	111.1	51.7	19.6	8.6
-40		14.4	36.7	73.9	128.2	194.9	259.0	298.8	298.8	259.0	194.9	128.2	73.9	36.7	14.4	
-50	3.7	9.3	23.5	45.1	73.3	104.8	133.2	150.0	150.0	133.2	104.8	73.3	45.1	23.5	9.3	3.7
-60		5.0	12.5	23.6	37.2	51.1	62.7	69.2	69.2	62.7	51.1	37.2	23.6	12.5	5.0	
-70	0.7	7.7	25.9	47.5	56.9	47.5	25.9	7.7	0.7							
-80		0.7	7.7	25.9	47.5	56.9	47.5	25.9	7.7	0.7						
-90	0.7	7.7	25.9	47.5	56.9	47.5	25.9	7.7	0.7							

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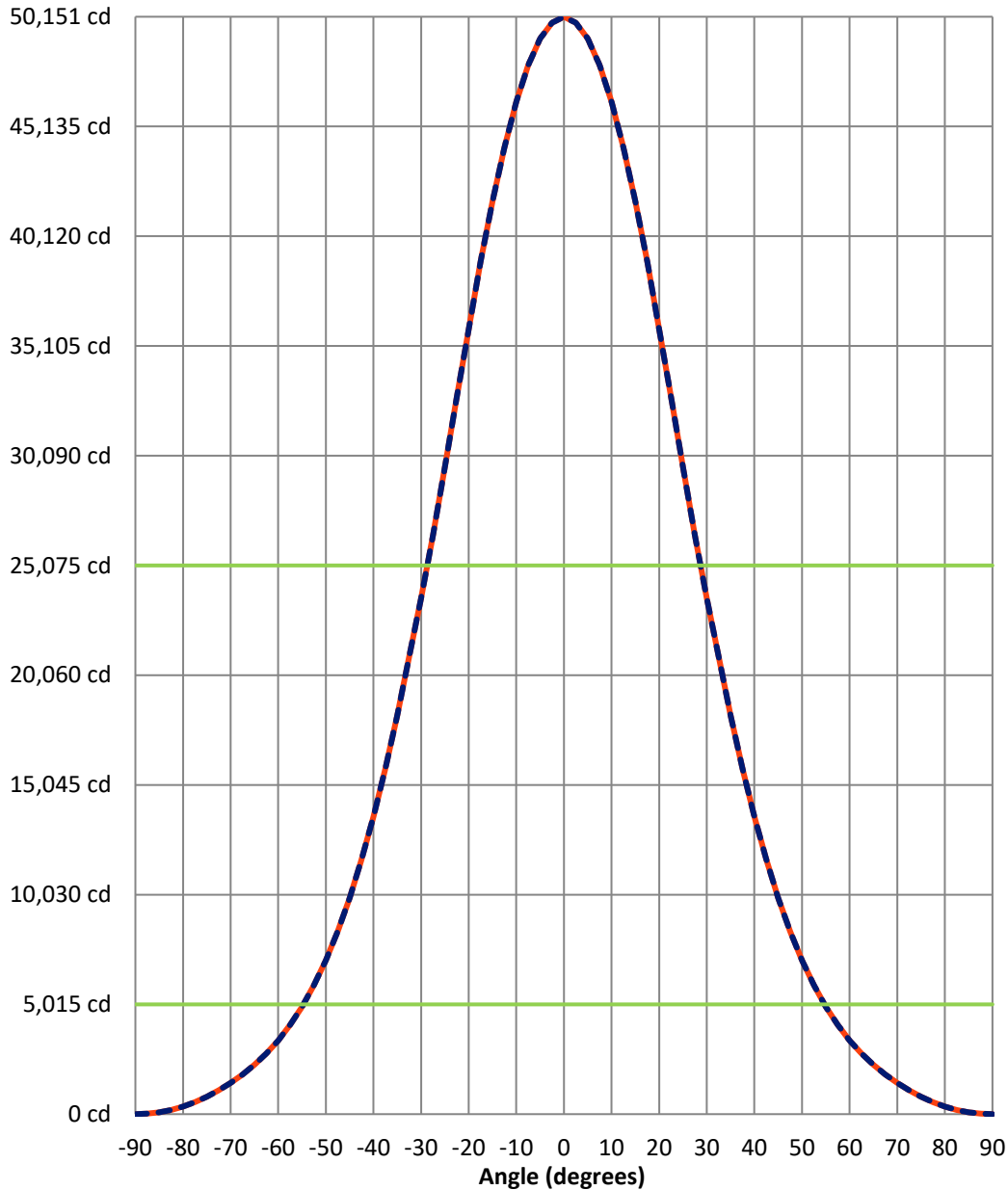
Luminous Intensity Polar Plot



— 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: 27868.1
 Efficiency: 49.2%

Field:
 H Angle: 109.4°
 V Angle: 109.4°
 Lumens: 51334.8
 Efficiency: 90.7%

Spill:
 Lumens: 5250.2
 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	1.1	2.2	3.3	4.4	5.5	6.6	7.7	8.7	9.8	10.8
85°	0.0	2.2	4.4	6.6	8.8	11.0	13.2	15.3	17.4	19.5	21.5
82.5°	0.0	3.3	6.6	10.0	13.2	16.5	19.7	22.9	26.9	33.9	40.9
80°	0.0	4.4	8.8	13.2	17.6	22.0	27.3	37.0	46.5	56.0	65.2
77.5°	0.0	5.5	11.0	16.5	22.0	29.8	42.0	54.1	66.1	77.8	94.1
75°	0.0	6.6	13.2	19.7	27.3	42.0	56.7	71.1	86.9	112.6	137.9
72.5°	0.0	7.7	15.3	22.9	37.0	54.1	71.1	91.6	121.9	151.8	181.3
70°	0.0	8.7	17.4	26.9	46.5	66.1	86.9	121.9	156.5	191.0	240.7
67.5°	0.0	9.8	19.5	33.9	56.0	77.8	112.6	151.8	191.0	247.6	303.3
65°	0.0	10.8	21.5	40.9	65.2	94.1	137.9	181.3	240.7	303.3	370.1
62.5°	0.0	11.8	23.5	47.7	74.3	114.8	162.7	219.9	289.4	361.2	448.0
60°	0.0	12.7	25.5	54.4	83.2	135.1	187.0	261.8	337.2	430.1	524.4
57.5°	0.0	13.7	29.8	60.9	98.6	154.8	220.7	302.7	394.4	497.5	610.4
55°	0.0	14.6	34.0	67.2	114.0	174.1	254.9	342.5	452.9	566.4	699.6
52.5°	0.0	15.5	38.1	73.3	128.9	194.2	288.1	391.1	509.7	644.6	786.5
50°	0.0	16.4	42.0	79.2	143.4	220.9	320.2	439.3	568.4	720.5	885.7
47.5°	0.0	17.2	45.8	86.1	157.3	246.8	352.5	485.8	633.6	793.8	983.6
45°	0.0	18.0	49.5	96.1	170.7	271.6	390.8	530.7	696.3	878.3	1078.0
42.5°	0.0	18.8	53.0	105.8	183.6	295.4	427.6	579.2	756.6	959.8	1179.5
40°	0.0	19.5	56.4	114.9	198.8	318.1	462.7	629.4	817.9	1037.7	1278.4
37.5°	0.0	20.2	59.5	123.7	216.0	339.7	496.1	677.2	883.6	1114.7	1372.7
35°	0.0	20.9	62.5	131.9	232.3	363.9	527.7	722.5	945.8	1194.8	1466.8
32.5°	0.0	21.5	65.4	139.6	247.6	388.6	559.4	765.0	1004.4	1270.3	1562.7
30°	0.0	22.1	68.0	146.9	261.9	411.7	593.4	806.7	1059.3	1341.0	1652.7
27.5°	0.0	22.6	70.4	153.6	275.2	433.1	624.9	851.1	1112.9	1406.8	1736.4
25°	0.0	23.1	72.7	159.7	287.4	452.8	654.0	891.9	1166.4	1472.8	1814.1
22.5°	0.0	23.6	74.7	165.3	298.5	470.8	680.4	929.2	1215.2	1535.7	1896.4
20°	0.0	24.0	76.6	170.4	308.5	486.9	704.3	962.8	1259.2	1592.5	1970.7
17.5°	0.0	24.3	78.2	174.9	317.4	501.3	725.5	992.6	1298.3	1643.0	2036.7
15°	0.0	24.6	79.6	178.8	325.2	513.8	743.9	1018.6	1332.4	1687.0	2094.4
12.5°	0.0	24.9	80.8	182.1	331.8	524.4	759.6	1040.7	1361.4	1724.5	2143.5
10°	0.0	25.1	81.8	184.8	337.2	533.1	772.5	1058.9	1385.3	1755.3	2183.9
7.5°	0.0	25.3	82.6	187.0	341.4	539.9	782.5	1073.0	1403.9	1779.4	2215.4
5°	0.0	25.4	83.2	188.5	344.4	544.8	789.7	1083.2	1417.2	1796.6	2238.0
2.5°	0.0	25.5	83.5	189.4	346.2	547.7	794.1	1089.3	1425.2	1806.9	2251.6
0°	0.0	25.5	83.6	189.7	346.8	548.7	795.5	1091.3	1427.9	1810.4	2256.1
-2.5°	0.0	25.5	83.5	189.4	346.2	547.7	794.1	1089.3	1425.2	1806.9	2251.6
-5°	0.0	25.4	83.2	188.5	344.4	544.8	789.7	1083.2	1417.2	1796.6	2238.0
-7.5°	0.0	25.3	82.6	187.0	341.4	539.9	782.5	1073.0	1403.9	1779.4	2215.4
-10°	0.0	25.1	81.8	184.8	337.2	533.1	772.5	1058.9	1385.3	1755.3	2183.9
-12.5°	0.0	24.9	80.8	182.1	331.8	524.4	759.6	1040.7	1361.4	1724.5	2143.5
-15°	0.0	24.6	79.6	178.8	325.2	513.8	743.9	1018.6	1332.4	1687.0	2094.4
-17.5°	0.0	24.3	78.2	174.9	317.4	501.3	725.5	992.6	1298.3	1643.0	2036.7
-20°	0.0	24.0	76.6	170.4	308.5	486.9	704.3	962.8	1259.2	1592.5	1970.7



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 CATALOG NUMBER: EPH-08-320N-40-70-7F-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	23.6	74.7	165.3	298.5	470.8	680.4	929.2	1215.2	1535.7	1896.4
-25°	0.0	23.1	72.7	159.7	287.4	452.8	654.0	891.9	1166.4	1472.8	1814.1
-27.5°	0.0	22.6	70.4	153.6	275.2	433.1	624.9	851.1	1112.9	1406.8	1736.4
-30°	0.0	22.1	68.0	146.9	261.9	411.7	593.4	806.7	1059.3	1341.0	1652.7
-32.5°	0.0	21.5	65.4	139.6	247.6	388.6	559.4	765.0	1004.4	1270.3	1562.7
-35°	0.0	20.9	62.5	131.9	232.3	363.9	527.7	722.5	945.8	1194.8	1466.8
-37.5°	0.0	20.2	59.5	123.7	216.0	339.7	496.1	677.2	883.6	1114.7	1372.7
-40°	0.0	19.5	56.4	114.9	198.8	318.1	462.7	629.4	817.9	1037.7	1278.4
-42.5°	0.0	18.8	53.0	105.8	183.6	295.4	427.6	579.2	756.6	959.8	1179.5
-45°	0.0	18.0	49.5	96.1	170.7	271.6	390.8	530.7	696.3	878.3	1078.0
-47.5°	0.0	17.2	45.8	86.1	157.3	246.8	352.5	485.8	633.6	793.8	983.6
-50°	0.0	16.4	42.0	79.2	143.4	220.9	320.2	439.3	568.4	720.5	885.7
-52.5°	0.0	15.5	38.1	73.3	128.9	194.2	288.1	391.1	509.7	644.6	786.5
-55°	0.0	14.6	34.0	67.2	114.0	174.1	254.9	342.5	452.9	566.4	699.6
-57.5°	0.0	13.7	29.8	60.9	98.6	154.8	220.7	302.7	394.4	497.5	610.4
-60°	0.0	12.7	25.5	54.4	83.2	135.1	187.0	261.8	337.2	430.1	524.4
-62.5°	0.0	11.8	23.5	47.7	74.3	114.8	162.7	219.9	289.4	361.2	448.0
-65°	0.0	10.8	21.5	40.9	65.2	94.1	137.9	181.3	240.7	303.3	370.1
-67.5°	0.0	9.8	19.5	33.9	56.0	77.8	112.6	151.8	191.0	247.6	303.3
-70°	0.0	8.7	17.4	26.9	46.5	66.1	86.9	121.9	156.5	191.0	240.7
-72.5°	0.0	7.7	15.3	22.9	37.0	54.1	71.1	91.6	121.9	151.8	181.3
-75°	0.0	6.6	13.2	19.7	27.3	42.0	56.7	71.1	86.9	112.6	137.9
-77.5°	0.0	5.5	11.0	16.5	22.0	29.8	42.0	54.1	66.1	77.8	94.1
-80°	0.0	4.4	8.8	13.2	17.6	22.0	27.3	37.0	46.5	56.0	65.2
-82.5°	0.0	3.3	6.6	10.0	13.2	16.5	19.7	22.9	26.9	33.9	40.9
-85°	0.0	2.2	4.4	6.6	8.8	11.0	13.2	15.3	17.4	19.5	21.5
-87.5°	0.0	1.1	2.2	3.3	4.4	5.5	6.6	7.7	8.7	9.8	10.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	11.8	12.7	13.7	14.6	15.5	16.4	17.2	18.0	18.8	19.5	20.2
85°	23.5	25.5	29.8	34.0	38.1	42.0	45.8	49.5	53.0	56.4	59.5
82.5°	47.7	54.4	60.9	67.2	73.3	79.2	86.1	96.1	105.8	114.9	123.7
80°	74.3	83.2	98.6	114.0	128.9	143.4	157.3	170.7	183.6	198.8	216.0
77.5°	114.8	135.1	154.8	174.1	194.2	220.9	246.8	271.6	295.4	318.1	339.7
75°	162.7	187.0	220.7	254.9	288.1	320.2	352.5	390.8	427.6	462.7	496.1
72.5°	219.9	261.8	302.7	342.5	391.1	439.3	485.8	530.7	579.2	629.4	677.2
70°	289.4	337.2	394.4	452.9	509.7	568.4	633.6	696.3	756.6	817.9	883.6
67.5°	361.2	430.1	497.5	566.4	644.6	720.5	793.8	878.3	959.8	1037.7	1114.7
65°	448.0	524.4	610.4	699.6	786.5	885.7	983.6	1078.0	1179.5	1278.4	1372.7
62.5°	533.4	632.5	732.8	837.9	952.3	1063.6	1182.4	1300.9	1414.9	1537.3	1655.8
60°	632.5	743.9	864.6	992.6	1121.0	1259.2	1393.2	1535.7	1677.5	1814.1	1965.6
57.5°	732.8	864.6	1006.1	1151.9	1305.7	1459.2	1624.4	1784.3	1959.6	2132.2	2303.7
55°	837.9	992.6	1151.9	1321.2	1494.7	1678.0	1863.7	2064.9	2259.6	2475.4	2682.1
52.5°	952.3	1121.0	1305.7	1494.7	1696.0	1905.9	2128.6	2358.4	2599.8	2841.5	3098.0
50°	1063.6	1259.2	1459.2	1678.0	1905.9	2149.9	2408.2	2675.1	2958.0	3244.9	3554.1
47.5°	1182.4	1393.2	1624.4	1863.7	2128.6	2408.2	2700.3	3016.7	3333.9	3699.8	4058.0
45°	1300.9	1535.7	1784.3	2064.9	2358.4	2675.1	3016.7	3363.7	3773.2	4181.7	4617.8
42.5°	1414.9	1677.5	1959.6	2259.6	2599.8	2958.0	3333.9	3773.2	4224.4	4704.4	5222.0
40°	1537.3	1814.1	2132.2	2475.4	2841.5	3244.9	3699.8	4181.7	4704.4	5275.4	5868.1
37.5°	1655.8	1965.6	2303.7	2682.1	3098.0	3554.1	4058.0	4617.8	5222.0	5868.1	6580.0
35°	1768.3	2109.6	2485.2	2895.4	3342.8	3874.1	4445.9	5062.9	5759.5	6516.5	7313.1
32.5°	1885.2	2245.7	2657.0	3110.2	3620.7	4191.7	4818.8	5544.3	6327.2	7161.2	8091.7
30°	2001.3	2391.8	2825.8	3312.5	3887.0	4519.7	5226.4	6015.6	6885.3	7859.3	8903.8
27.5°	2109.6	2529.6	2999.4	3531.3	4143.7	4827.3	5626.2	6506.7	7477.4	8542.7	9710.2
25°	2209.6	2657.0	3160.1	3744.3	4407.8	5156.0	6013.0	6964.9	8054.5	9250.7	10564.6
22.5°	2308.0	2774.0	3307.3	3939.7	4650.5	5473.4	6405.2	7449.6	8621.8	9912.7	11384.9
20°	2403.5	2895.4	3457.2	4121.5	4870.7	5761.8	6762.3	7902.0	9180.3	10612.6	12191.2
17.5°	2488.5	3003.5	3601.6	4301.9	5100.8	6037.5	7091.3	8308.3	9682.9	11244.0	12945.2
15°	2562.7	3098.0	3728.0	4460.0	5308.9	6296.4	7421.0	8710.2	10166.8	11819.2	13616.2
12.5°	2625.9	3178.6	3835.8	4594.9	5486.8	6518.0	7703.6	9061.3	10610.0	12351.1	14267.2
10°	2677.9	3244.9	3924.6	4706.1	5633.5	6701.0	7937.2	9352.1	10977.5	12793.0	14809.3
7.5°	2718.6	3296.7	3994.0	4793.2	5748.4	6844.4	8120.5	9580.4	11266.5	13141.1	15237.1
5°	2747.7	3333.9	4043.8	4855.7	5830.9	6947.5	8252.3	9744.7	11474.7	13392.2	15546.1
2.5°	2765.3	3356.2	4073.8	4893.2	5880.6	7009.6	8331.7	9843.8	11600.4	13543.8	15733.0
0°	2771.1	3363.7	4083.8	4905.8	5897.2	7030.3	8358.2	9876.9	11642.4	13594.5	15795.5
-2.5°	2765.3	3356.2	4073.8	4893.2	5880.6	7009.6	8331.7	9843.8	11600.4	13543.8	15733.0
-5°	2747.7	3333.9	4043.8	4855.7	5830.9	6947.5	8252.3	9744.7	11474.7	13392.2	15546.1
-7.5°	2718.6	3296.7	3994.0	4793.2	5748.4	6844.4	8120.5	9580.4	11266.5	13141.1	15237.1
-10°	2677.9	3244.9	3924.6	4706.1	5633.5	6701.0	7937.2	9352.1	10977.5	12793.0	14809.3
-12.5°	2625.9	3178.6	3835.8	4594.9	5486.8	6518.0	7703.6	9061.3	10610.0	12351.1	14267.2
-15°	2562.7	3098.0	3728.0	4460.0	5308.9	6296.4	7421.0	8710.2	10166.8	11819.2	13616.2
-17.5°	2488.5	3003.5	3601.6	4301.9	5100.8	6037.5	7091.3	8308.3	9682.9	11244.0	12945.2
-20°	2403.5	2895.4	3457.2	4121.5	4870.7	5761.8	6762.3	7902.0	9180.3	10612.6	12191.2



REPORT NUMBER: P1305886 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-7F-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2308.0	2774.0	3307.3	3939.7	4650.5	5473.4	6405.2	7449.6	8621.8	9912.7	11384.9
-25°	2209.6	2657.0	3160.1	3744.3	4407.8	5156.0	6013.0	6964.9	8054.5	9250.7	10564.6
-27.5°	2109.6	2529.6	2999.4	3531.3	4143.7	4827.3	5626.2	6506.7	7477.4	8542.7	9710.2
-30°	2001.3	2391.8	2825.8	3312.5	3887.0	4519.7	5226.4	6015.6	6885.3	7859.3	8903.8
-32.5°	1885.2	2245.7	2657.0	3110.2	3620.7	4191.7	4818.8	5544.3	6327.2	7161.2	8091.7
-35°	1768.3	2109.6	2485.2	2895.4	3342.8	3874.1	4445.9	5062.9	5759.5	6516.5	7313.1
-37.5°	1655.8	1965.6	2303.7	2682.1	3098.0	3554.1	4058.0	4617.8	5222.0	5868.1	6580.0
-40°	1537.3	1814.1	2132.2	2475.4	2841.5	3244.9	3699.8	4181.7	4704.4	5275.4	5868.1
-42.5°	1414.9	1677.5	1959.6	2259.6	2599.8	2958.0	3333.9	3773.2	4224.4	4704.4	5222.0
-45°	1300.9	1535.7	1784.3	2064.9	2358.4	2675.1	3016.7	3363.7	3773.2	4181.7	4617.8
-47.5°	1182.4	1393.2	1624.4	1863.7	2128.6	2408.2	2700.3	3016.7	3333.9	3699.8	4058.0
-50°	1063.6	1259.2	1459.2	1678.0	1905.9	2149.9	2408.2	2675.1	2958.0	3244.9	3554.1
-52.5°	952.3	1121.0	1305.7	1494.7	1696.0	1905.9	2128.6	2358.4	2599.8	2841.5	3098.0
-55°	837.9	992.6	1151.9	1321.2	1494.7	1678.0	1863.7	2064.9	2259.6	2475.4	2682.1
-57.5°	732.8	864.6	1006.1	1151.9	1305.7	1459.2	1624.4	1784.3	1959.6	2132.2	2303.7
-60°	632.5	743.9	864.6	992.6	1121.0	1259.2	1393.2	1535.7	1677.5	1814.1	1965.6
-62.5°	533.4	632.5	732.8	837.9	952.3	1063.6	1182.4	1300.9	1414.9	1537.3	1655.8
-65°	448.0	524.4	610.4	699.6	786.5	885.7	983.6	1078.0	1179.5	1278.4	1372.7
-67.5°	361.2	430.1	497.5	566.4	644.6	720.5	793.8	878.3	959.8	1037.7	1114.7
-70°	289.4	337.2	394.4	452.9	509.7	568.4	633.6	696.3	756.6	817.9	883.6
-72.5°	219.9	261.8	302.7	342.5	391.1	439.3	485.8	530.7	579.2	629.4	677.2
-75°	162.7	187.0	220.7	254.9	288.1	320.2	352.5	390.8	427.6	462.7	496.1
-77.5°	114.8	135.1	154.8	174.1	194.2	220.9	246.8	271.6	295.4	318.1	339.7
-80°	74.3	83.2	98.6	114.0	128.9	143.4	157.3	170.7	183.6	198.8	216.0
-82.5°	47.7	54.4	60.9	67.2	73.3	79.2	86.1	96.1	105.8	114.9	123.7
-85°	23.5	25.5	29.8	34.0	38.1	42.0	45.8	49.5	53.0	56.4	59.5
-87.5°	11.8	12.7	13.7	14.6	15.5	16.4	17.2	18.0	18.8	19.5	20.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305886 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-7F-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°	20.9	21.5	22.1	22.6	23.1	23.6	24.0	24.3	24.6	24.9	25.1
85°	62.5	65.4	68.0	70.4	72.7	74.7	76.6	78.2	79.6	80.8	81.8
82.5°	131.9	139.6	146.9	153.6	159.7	165.3	170.4	174.9	178.8	182.1	184.8
80°	232.3	247.6	261.9	275.2	287.4	298.5	308.5	317.4	325.2	331.8	337.2
77.5°	363.9	388.6	411.7	433.1	452.8	470.8	486.9	501.3	513.8	524.4	533.1
75°	527.7	559.4	593.4	624.9	654.0	680.4	704.3	725.5	743.9	759.6	772.5
72.5°	722.5	765.0	806.7	851.1	891.9	929.2	962.8	992.6	1018.6	1040.7	1058.9
70°	945.8	1004.4	1059.3	1112.9	1166.4	1215.2	1259.2	1298.3	1332.4	1361.4	1385.3
67.5°	1194.8	1270.3	1341.0	1406.8	1472.8	1535.7	1592.5	1643.0	1687.0	1724.5	1755.3
65°	1466.8	1562.7	1652.7	1736.4	1814.1	1896.4	1970.7	2036.7	2094.4	2143.5	2183.9
62.5°	1768.3	1885.2	2001.3	2109.6	2209.6	2308.0	2403.5	2488.5	2562.7	2625.9	2677.9
60°	2109.6	2245.7	2391.8	2529.6	2657.0	2774.0	2895.4	3003.5	3098.0	3178.6	3244.9
57.5°	2485.2	2657.0	2825.8	2999.4	3160.1	3307.3	3457.2	3601.6	3728.0	3835.8	3924.6
55°	2895.4	3110.2	3312.5	3531.3	3744.3	3939.7	4121.5	4301.9	4460.0	4594.9	4706.1
52.5°	3342.8	3620.7	3887.0	4143.7	4407.8	4650.5	4870.7	5100.8	5308.9	5486.8	5633.5
50°	3874.1	4191.7	4519.7	4827.3	5156.0	5473.4	5761.8	6037.5	6296.4	6518.0	6701.0
47.5°	4445.9	4818.8	5226.4	5626.2	6013.0	6405.2	6762.3	7091.3	7421.0	7703.6	7937.2
45°	5062.9	5544.3	6015.6	6506.7	6964.9	7449.6	7902.0	8308.3	8710.2	9061.3	9352.1
42.5°	5759.5	6327.2	6885.3	7477.4	8054.5	8621.8	9180.3	9682.9	10166.8	10610.0	10977.5
40°	6516.5	7161.2	7859.3	8542.7	9250.7	9912.7	10612.6	11244.0	11819.2	12351.1	12793.0
37.5°	7313.1	8091.7	8903.8	9710.2	10564.6	11384.9	12191.2	12945.2	13616.2	14267.2	14809.3
35°	8169.7	9086.4	10008.7	11008.1	11983.3	12956.3	13886.4	14804.3	15620.8	16383.0	17034.4
32.5°	9086.4	10118.1	11232.7	12365.3	13478.3	14639.2	15727.2	16813.7	17789.8	18681.6	19466.6
30°	10008.7	11232.7	12493.8	13761.9	15100.1	16417.1	17707.8	18958.0	20127.4	21147.0	22001.5
27.5°	11008.1	12365.3	13761.9	15255.3	16771.3	18260.3	19792.3	21199.8	22463.8	23572.6	24580.8
25°	11983.3	13478.3	15100.1	16771.3	18464.8	20217.6	21859.0	23374.3	24837.8	26143.0	27320.4
22.5°	12956.3	14639.2	16417.1	18260.3	20217.6	22081.9	23860.3	25622.7	27298.2	28850.8	30193.4
20°	13886.4	15727.2	17707.8	19792.3	21859.0	23860.3	25888.9	27906.2	29812.9	31556.8	33054.2
17.5°	14804.3	16813.7	18958.0	21199.8	23374.3	25622.7	27906.2	30146.3	32263.7	34140.1	35766.2
15°	15620.8	17789.8	20127.4	22463.8	24837.8	27298.2	29812.9	32263.7	34512.5	36565.5	38388.5
12.5°	16383.0	18681.6	21147.0	23572.6	26143.0	28850.8	31556.8	34140.1	36565.5	38831.3	40658.9
10°	17034.4	19466.6	22001.5	24580.8	27320.4	30193.4	33054.2	35766.2	38388.5	40658.9	42651.7
7.5°	17549.7	20089.2	22681.7	25386.9	28287.8	31292.7	34245.9	37111.6	39808.2	42188.4	44188.1
5°	17922.6	20540.8	23176.3	25975.2	28996.8	32103.2	35131.3	38121.9	40839.9	43292.3	45337.2
2.5°	18148.3	20814.6	23476.7	26333.4	29430.0	32600.4	35677.6	38750.4	41489.5	43950.4	46024.8
0°	18223.9	20906.3	23577.5	26453.7	29575.7	32768.0	35862.4	38964.0	41711.7	44167.7	46261.6
-2.5°	18148.3	20814.6	23476.7	26333.4	29430.0	32600.4	35677.6	38750.4	41489.5	43950.4	46024.8
-5°	17922.6	20540.8	23176.3	25975.2	28996.8	32103.2	35131.3	38121.9	40839.9	43292.3	45337.2
-7.5°	17549.7	20089.2	22681.7	25386.9	28287.8	31292.7	34245.9	37111.6	39808.2	42188.4	44188.1
-10°	17034.4	19466.6	22001.5	24580.8	27320.4	30193.4	33054.2	35766.2	38388.5	40658.9	42651.7
-12.5°	16383.0	18681.6	21147.0	23572.6	26143.0	28850.8	31556.8	34140.1	36565.5	38831.3	40658.9
-15°	15620.8	17789.8	20127.4	22463.8	24837.8	27298.2	29812.9	32263.7	34512.5	36565.5	38388.5
-17.5°	14804.3	16813.7	18958.0	21199.8	23374.3	25622.7	27906.2	30146.3	32263.7	34140.1	35766.2
-20°	13886.4	15727.2	17707.8	19792.3	21859.0	23860.3	25888.9	27906.2	29812.9	31556.8	33054.2



REPORT NUMBER: P1305886 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-7F-HEG-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	12956.3	14639.2	16417.1	18260.3	20217.6	22081.9	23860.3	25622.7	27298.2	28850.8	30193.4
-25°	11983.3	13478.3	15100.1	16771.3	18464.8	20217.6	21859.0	23374.3	24837.8	26143.0	27320.4
-27.5°	11008.1	12365.3	13761.9	15255.3	16771.3	18260.3	19792.3	21199.8	22463.8	23572.6	24580.8
-30°	10008.7	11232.7	12493.8	13761.9	15100.1	16417.1	17707.8	18958.0	20127.4	21147.0	22001.5
-32.5°	9086.4	10118.1	11232.7	12365.3	13478.3	14639.2	15727.2	16813.7	17789.8	18681.6	19466.6
-35°	8169.7	9086.4	10008.7	11008.1	11983.3	12956.3	13886.4	14804.3	15620.8	16383.0	17034.4
-37.5°	7313.1	8091.7	8903.8	9710.2	10564.6	11384.9	12191.2	12945.2	13616.2	14267.2	14809.3
-40°	6516.5	7161.2	7859.3	8542.7	9250.7	9912.7	10612.6	11244.0	11819.2	12351.1	12793.0
-42.5°	5759.5	6327.2	6885.3	7477.4	8054.5	8621.8	9180.3	9682.9	10166.8	10610.0	10977.5
-45°	5062.9	5544.3	6015.6	6506.7	6964.9	7449.6	7902.0	8308.3	8710.2	9061.3	9352.1
-47.5°	4445.9	4818.8	5226.4	5626.2	6013.0	6405.2	6762.3	7091.3	7421.0	7703.6	7937.2
-50°	3874.1	4191.7	4519.7	4827.3	5156.0	5473.4	5761.8	6037.5	6296.4	6518.0	6701.0
-52.5°	3342.8	3620.7	3887.0	4143.7	4407.8	4650.5	4870.7	5100.8	5308.9	5486.8	5633.5
-55°	2895.4	3110.2	3312.5	3531.3	3744.3	3939.7	4121.5	4301.9	4460.0	4594.9	4706.1
-57.5°	2485.2	2657.0	2825.8	2999.4	3160.1	3307.3	3457.2	3601.6	3728.0	3835.8	3924.6
-60°	2109.6	2245.7	2391.8	2529.6	2657.0	2774.0	2895.4	3003.5	3098.0	3178.6	3244.9
-62.5°	1768.3	1885.2	2001.3	2109.6	2209.6	2308.0	2403.5	2488.5	2562.7	2625.9	2677.9
-65°	1466.8	1562.7	1652.7	1736.4	1814.1	1896.4	1970.7	2036.7	2094.4	2143.5	2183.9
-67.5°	1194.8	1270.3	1341.0	1406.8	1472.8	1535.7	1592.5	1643.0	1687.0	1724.5	1755.3
-70°	945.8	1004.4	1059.3	1112.9	1166.4	1215.2	1259.2	1298.3	1332.4	1361.4	1385.3
-72.5°	722.5	765.0	806.7	851.1	891.9	929.2	962.8	992.6	1018.6	1040.7	1058.9
-75°	527.7	559.4	593.4	624.9	654.0	680.4	704.3	725.5	743.9	759.6	772.5
-77.5°	363.9	388.6	411.7	433.1	452.8	470.8	486.9	501.3	513.8	524.4	533.1
-80°	232.3	247.6	261.9	275.2	287.4	298.5	308.5	317.4	325.2	331.8	337.2
-82.5°	131.9	139.6	146.9	153.6	159.7	165.3	170.4	174.9	178.8	182.1	184.8
-85°	62.5	65.4	68.0	70.4	72.7	74.7	76.6	78.2	79.6	80.8	81.8
-87.5°	20.9	21.5	22.1	22.6	23.1	23.6	24.0	24.3	24.6	24.9	25.1
-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: P1305886 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-7F-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°	25.3	25.4	25.5	25.5	25.5	25.4	25.3	25.1	24.9	24.6	24.3
85°	82.6	83.2	83.5	83.6	83.5	83.2	82.6	81.8	80.8	79.6	78.2
82.5°	187.0	188.5	189.4	189.7	189.4	188.5	187.0	184.8	182.1	178.8	174.9
80°	341.4	344.4	346.2	346.8	346.2	344.4	341.4	337.2	331.8	325.2	317.4
77.5°	539.9	544.8	547.7	548.7	547.7	544.8	539.9	533.1	524.4	513.8	501.3
75°	782.5	789.7	794.1	795.5	794.1	789.7	782.5	772.5	759.6	743.9	725.5
72.5°	1073.0	1083.2	1089.3	1091.3	1089.3	1083.2	1073.0	1058.9	1040.7	1018.6	992.6
70°	1403.9	1417.2	1425.2	1427.9	1425.2	1417.2	1403.9	1385.3	1361.4	1332.4	1298.3
67.5°	1779.4	1796.6	1806.9	1810.4	1806.9	1796.6	1779.4	1755.3	1724.5	1687.0	1643.0
65°	2215.4	2238.0	2251.6	2256.1	2251.6	2238.0	2215.4	2183.9	2143.5	2094.4	2036.7
62.5°	2718.6	2747.7	2765.3	2771.1	2765.3	2747.7	2718.6	2677.9	2625.9	2562.7	2488.5
60°	3296.7	3333.9	3356.2	3363.7	3356.2	3333.9	3296.7	3244.9	3178.6	3098.0	3003.5
57.5°	3994.0	4043.8	4073.8	4083.8	4073.8	4043.8	3994.0	3924.6	3835.8	3728.0	3601.6
55°	4793.2	4855.7	4893.2	4905.8	4893.2	4855.7	4793.2	4706.1	4594.9	4460.0	4301.9
52.5°	5748.4	5830.9	5880.6	5897.2	5880.6	5830.9	5748.4	5633.5	5486.8	5308.9	5100.8
50°	6844.4	6947.5	7009.6	7030.3	7009.6	6947.5	6844.4	6701.0	6518.0	6296.4	6037.5
47.5°	8120.5	8252.3	8331.7	8358.2	8331.7	8252.3	8120.5	7937.2	7703.6	7421.0	7091.3
45°	9580.4	9744.7	9843.8	9876.9	9843.8	9744.7	9580.4	9352.1	9061.3	8710.2	8308.3
42.5°	11266.5	11474.7	11600.4	11642.4	11600.4	11474.7	11266.5	10977.5	10610.0	10166.8	9682.9
40°	13141.1	13392.2	13543.8	13594.5	13543.8	13392.2	13141.1	12793.0	12351.1	11819.2	11244.0
37.5°	15237.1	15546.1	15733.0	15795.5	15733.0	15546.1	15237.1	14809.3	14267.2	13616.2	12945.2
35°	17549.7	17922.6	18148.3	18223.9	18148.3	17922.6	17549.7	17034.4	16383.0	15620.8	14804.3
32.5°	20089.2	20540.8	20814.6	20906.3	20814.6	20540.8	20089.2	19466.6	18681.6	17789.8	16813.7
30°	22681.7	23176.3	23476.7	23577.5	23476.7	23176.3	22681.7	22001.5	21147.0	20127.4	18958.0
27.5°	25386.9	25975.2	26333.4	26453.7	26333.4	25975.2	25386.9	24580.8	23572.6	22463.8	21199.8
25°	28287.8	28996.8	29430.0	29575.7	29430.0	28996.8	28287.8	27320.4	26143.0	24837.8	23374.3
22.5°	31292.7	32103.2	32600.4	32768.0	32600.4	32103.2	31292.7	30193.4	28850.8	27298.2	25622.7
20°	34245.9	35131.3	35677.6	35862.4	35677.6	35131.3	34245.9	33054.2	31556.8	29812.9	27906.2
17.5°	37111.6	38121.9	38750.4	38964.0	38750.4	38121.9	37111.6	35766.2	34140.1	32263.7	30146.3
15°	39808.2	40839.9	41489.5	41711.7	41489.5	40839.9	39808.2	38388.5	36565.5	34512.5	32263.7
12.5°	42188.4	43292.3	43950.4	44167.7	43950.4	43292.3	42188.4	40658.9	38831.3	36565.5	34140.1
10°	44188.1	45337.2	46024.8	46261.6	46024.8	45337.2	44188.1	42651.7	40658.9	38388.5	35766.2
7.5°	45802.0	46972.3	47699.5	47933.7	47699.5	46972.3	45802.0	44188.1	42188.4	39808.2	37111.6
5°	46972.3	48185.3	48889.4	49150.0	48889.4	48185.3	46972.3	45337.2	43292.3	40839.9	38121.9
2.5°	47699.5	48889.4	49622.7	49871.6	49622.7	48889.4	47699.5	46024.8	43950.4	41489.5	38750.4
0°	47933.7	49150.0	49871.6	50150.5	49871.6	49150.0	47933.7	46261.6	44167.7	41711.7	38964.0
-2.5°	47699.5	48889.4	49622.7	49871.6	49622.7	48889.4	47699.5	46024.8	43950.4	41489.5	38750.4
-5°	46972.3	48185.3	48889.4	49150.0	48889.4	48185.3	46972.3	45337.2	43292.3	40839.9	38121.9
-7.5°	45802.0	46972.3	47699.5	47933.7	47699.5	46972.3	45802.0	44188.1	42188.4	39808.2	37111.6
-10°	44188.1	45337.2	46024.8	46261.6	46024.8	45337.2	44188.1	42651.7	40658.9	38388.5	35766.2
-12.5°	42188.4	43292.3	43950.4	44167.7	43950.4	43292.3	42188.4	40658.9	38831.3	36565.5	34140.1
-15°	39808.2	40839.9	41489.5	41711.7	41489.5	40839.9	39808.2	38388.5	36565.5	34512.5	32263.7
-17.5°	37111.6	38121.9	38750.4	38964.0	38750.4	38121.9	37111.6	35766.2	34140.1	32263.7	30146.3
-20°	34245.9	35131.3	35677.6	35862.4	35677.6	35131.3	34245.9	33054.2	31556.8	29812.9	27906.2



REPORT NUMBER: P1305886 (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°	31292.7	32103.2	32600.4	32768.0	32600.4	32103.2	31292.7	30193.4	28850.8	27298.2	25622.7
-25°	28287.8	28996.8	29430.0	29575.7	29430.0	28996.8	28287.8	27320.4	26143.0	24837.8	23374.3
-27.5°	25386.9	25975.2	26333.4	26453.7	26333.4	25975.2	25386.9	24580.8	23572.6	22463.8	21199.8
-30°	22681.7	23176.3	23476.7	23577.5	23476.7	23176.3	22681.7	22001.5	21147.0	20127.4	18958.0
-32.5°	20089.2	20540.8	20814.6	20906.3	20814.6	20540.8	20089.2	19466.6	18681.6	17789.8	16813.7
-35°	17549.7	17922.6	18148.3	18223.9	18148.3	17922.6	17549.7	17034.4	16383.0	15620.8	14804.3
-37.5°	15237.1	15546.1	15733.0	15795.5	15733.0	15546.1	15237.1	14809.3	14267.2	13616.2	12945.2
-40°	13141.1	13392.2	13543.8	13594.5	13543.8	13392.2	13141.1	12793.0	12351.1	11819.2	11244.0
-42.5°	11266.5	11474.7	11600.4	11642.4	11600.4	11474.7	11266.5	10977.5	10610.0	10166.8	9682.9
-45°	9580.4	9744.7	9843.8	9876.9	9843.8	9744.7	9580.4	9352.1	9061.3	8710.2	8308.3
-47.5°	8120.5	8252.3	8331.7	8358.2	8331.7	8252.3	8120.5	7937.2	7703.6	7421.0	7091.3
-50°	6844.4	6947.5	7009.6	7030.3	7009.6	6947.5	6844.4	6701.0	6518.0	6296.4	6037.5
-52.5°	5748.4	5830.9	5880.6	5897.2	5880.6	5830.9	5748.4	5633.5	5486.8	5308.9	5100.8
-55°	4793.2	4855.7	4893.2	4905.8	4893.2	4855.7	4793.2	4706.1	4594.9	4460.0	4301.9
-57.5°	3994.0	4043.8	4073.8	4083.8	4073.8	4043.8	3994.0	3924.6	3835.8	3728.0	3601.6
-60°	3296.7	3333.9	3356.2	3363.7	3356.2	3333.9	3296.7	3244.9	3178.6	3098.0	3003.5
-62.5°	2718.6	2747.7	2765.3	2771.1	2765.3	2747.7	2718.6	2677.9	2625.9	2562.7	2488.5
-65°	2215.4	2238.0	2251.6	2256.1	2251.6	2238.0	2215.4	2183.9	2143.5	2094.4	2036.7
-67.5°	1779.4	1796.6	1806.9	1810.4	1806.9	1796.6	1779.4	1755.3	1724.5	1687.0	1643.0
-70°	1403.9	1417.2	1425.2	1427.9	1425.2	1417.2	1403.9	1385.3	1361.4	1332.4	1298.3
-72.5°	1073.0	1083.2	1089.3	1091.3	1089.3	1083.2	1073.0	1058.9	1040.7	1018.6	992.6
-75°	782.5	789.7	794.1	795.5	794.1	789.7	782.5	772.5	759.6	743.9	725.5
-77.5°	539.9	544.8	547.7	548.7	547.7	544.8	539.9	533.1	524.4	513.8	501.3
-80°	341.4	344.4	346.2	346.8	346.2	344.4	341.4	337.2	331.8	325.2	317.4
-82.5°	187.0	188.5	189.4	189.7	189.4	188.5	187.0	184.8	182.1	178.8	174.9
-85°	82.6	83.2	83.5	83.6	83.5	83.2	82.6	81.8	80.8	79.6	78.2
-87.5°	25.3	25.4	25.5	25.5	25.5	25.4	25.3	25.1	24.9	24.6	24.3
-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):

	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°	24.0	23.6	23.1	22.6	22.1	21.5	20.9	20.2	19.5	18.8	18.0
85°	76.6	74.7	72.7	70.4	68.0	65.4	62.5	59.5	56.4	53.0	49.5
82.5°	170.4	165.3	159.7	153.6	146.9	139.6	131.9	123.7	114.9	105.8	96.1
80°	308.5	298.5	287.4	275.2	261.9	247.6	232.3	216.0	198.8	183.6	170.7
77.5°	486.9	470.8	452.8	433.1	411.7	388.6	363.9	339.7	318.1	295.4	271.6
75°	704.3	680.4	654.0	624.9	593.4	559.4	527.7	496.1	462.7	427.6	390.8
72.5°	962.8	929.2	891.9	851.1	806.7	765.0	722.5	677.2	629.4	579.2	530.7
70°	1259.2	1215.2	1166.4	1112.9	1059.3	1004.4	945.8	883.6	817.9	756.6	696.3
67.5°	1592.5	1535.7	1472.8	1406.8	1341.0	1270.3	1194.8	1114.7	1037.7	959.8	878.3
65°	1970.7	1896.4	1814.1	1736.4	1652.7	1562.7	1466.8	1372.7	1278.4	1179.5	1078.0
62.5°	2403.5	2308.0	2209.6	2109.6	2001.3	1885.2	1768.3	1655.8	1537.3	1414.9	1300.9
60°	2895.4	2774.0	2657.0	2529.6	2391.8	2245.7	2109.6	1965.6	1814.1	1677.5	1535.7
57.5°	3457.2	3307.3	3160.1	2999.4	2825.8	2657.0	2485.2	2303.7	2132.2	1959.6	1784.3
55°	4121.5	3939.7	3744.3	3531.3	3312.5	3110.2	2895.4	2682.1	2475.4	2259.6	2064.9
52.5°	4870.7	4650.5	4407.8	4143.7	3887.0	3620.7	3342.8	3098.0	2841.5	2599.8	2358.4
50°	5761.8	5473.4	5156.0	4827.3	4519.7	4191.7	3874.1	3554.1	3244.9	2958.0	2675.1
47.5°	6762.3	6405.2	6013.0	5626.2	5226.4	4818.8	4445.9	4058.0	3699.8	3333.9	3016.7
45°	7902.0	7449.6	6964.9	6506.7	6015.6	5544.3	5062.9	4617.8	4181.7	3773.2	3363.7
42.5°	9180.3	8621.8	8054.5	7477.4	6885.3	6327.2	5759.5	5222.0	4704.4	4224.4	3773.2
40°	10612.6	9912.7	9250.7	8542.7	7859.3	7161.2	6516.5	5868.1	5275.4	4704.4	4181.7
37.5°	12191.2	11384.9	10564.6	9710.2	8903.8	8091.7	7313.1	6580.0	5868.1	5222.0	4617.8
35°	13886.4	12956.3	11983.3	11008.1	10008.7	9086.4	8169.7	7313.1	6516.5	5759.5	5062.9
32.5°	15727.2	14639.2	13478.3	12365.3	11232.7	10118.1	9086.4	8091.7	7161.2	6327.2	5544.3
30°	17707.8	16417.1	15100.1	13761.9	12493.8	11232.7	10008.7	8903.8	7859.3	6885.3	6015.6
27.5°	19792.3	18260.3	16771.3	15255.3	13761.9	12365.3	11008.1	9710.2	8542.7	7477.4	6506.7
25°	21859.0	20217.6	18464.8	16771.3	15100.1	13478.3	11983.3	10564.6	9250.7	8054.5	6964.9
22.5°	23860.3	22081.9	20217.6	18260.3	16417.1	14639.2	12956.3	11384.9	9912.7	8621.8	7449.6
20°	25888.9	23860.3	21859.0	19792.3	17707.8	15727.2	13886.4	12191.2	10612.6	9180.3	7902.0
17.5°	27906.2	25622.7	23374.3	21199.8	18958.0	16813.7	14804.3	12945.2	11244.0	9682.9	8308.3
15°	29812.9	27298.2	24837.8	22463.8	20127.4	17789.8	15620.8	13616.2	11819.2	10166.8	8710.2
12.5°	31556.8	28850.8	26143.0	23572.6	21147.0	18681.6	16383.0	14267.2	12351.1	10610.0	9061.3
10°	33054.2	30193.4	27320.4	24580.8	22001.5	19466.6	17034.4	14809.3	12793.0	10977.5	9352.1
7.5°	34245.9	31292.7	28287.8	25386.9	22681.7	20089.2	17549.7	15237.1	13141.1	11266.5	9580.4
5°	35131.3	32103.2	28996.8	25975.2	23176.3	20540.8	17922.6	15546.1	13392.2	11474.7	9744.7
2.5°	35677.6	32600.4	29430.0	26333.4	23476.7	20814.6	18148.3	15733.0	13543.8	11600.4	9843.8
0°	35862.4	32768.0	29575.7	26453.7	23577.5	20906.3	18223.9	15795.5	13594.5	11642.4	9876.9
-2.5°	35677.6	32600.4	29430.0	26333.4	23476.7	20814.6	18148.3	15733.0	13543.8	11600.4	9843.8
-5°	35131.3	32103.2	28996.8	25975.2	23176.3	20540.8	17922.6	15546.1	13392.2	11474.7	9744.7
-7.5°	34245.9	31292.7	28287.8	25386.9	22681.7	20089.2	17549.7	15237.1	13141.1	11266.5	9580.4
-10°	33054.2	30193.4	27320.4	24580.8	22001.5	19466.6	17034.4	14809.3	12793.0	10977.5	9352.1
-12.5°	31556.8	28850.8	26143.0	23572.6	21147.0	18681.6	16383.0	14267.2	12351.1	10610.0	9061.3
-15°	29812.9	27298.2	24837.8	22463.8	20127.4	17789.8	15620.8	13616.2	11819.2	10166.8	8710.2
-17.5°	27906.2	25622.7	23374.3	21199.8	18958.0	16813.7	14804.3	12945.2	11244.0	9682.9	8308.3
-20°	25888.9	23860.3	21859.0	19792.3	17707.8	15727.2	13886.4	12191.2	10612.6	9180.3	7902.0



REPORT NUMBER: P1305886 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	23860.3	22081.9	20217.6	18260.3	16417.1	14639.2	12956.3	11384.9	9912.7	8621.8	7449.6
-25°	21859.0	20217.6	18464.8	16771.3	15100.1	13478.3	11983.3	10564.6	9250.7	8054.5	6964.9
-27.5°	19792.3	18260.3	16771.3	15255.3	13761.9	12365.3	11008.1	9710.2	8542.7	7477.4	6506.7
-30°	17707.8	16417.1	15100.1	13761.9	12493.8	11232.7	10008.7	8903.8	7859.3	6885.3	6015.6
-32.5°	15727.2	14639.2	13478.3	12365.3	11232.7	10118.1	9086.4	8091.7	7161.2	6327.2	5544.3
-35°	13886.4	12956.3	11983.3	11008.1	10008.7	9086.4	8169.7	7313.1	6516.5	5759.5	5062.9
-37.5°	12191.2	11384.9	10564.6	9710.2	8903.8	8091.7	7313.1	6580.0	5868.1	5222.0	4617.8
-40°	10612.6	9912.7	9250.7	8542.7	7859.3	7161.2	6516.5	5868.1	5275.4	4704.4	4181.7
-42.5°	9180.3	8621.8	8054.5	7477.4	6885.3	6327.2	5759.5	5222.0	4704.4	4224.4	3773.2
-45°	7902.0	7449.6	6964.9	6506.7	6015.6	5544.3	5062.9	4617.8	4181.7	3773.2	3363.7
-47.5°	6762.3	6405.2	6013.0	5626.2	5226.4	4818.8	4445.9	4058.0	3699.8	3333.9	3016.7
-50°	5761.8	5473.4	5156.0	4827.3	4519.7	4191.7	3874.1	3554.1	3244.9	2958.0	2675.1
-52.5°	4870.7	4650.5	4407.8	4143.7	3887.0	3620.7	3342.8	3098.0	2841.5	2599.8	2358.4
-55°	4121.5	3939.7	3744.3	3531.3	3312.5	3110.2	2895.4	2682.1	2475.4	2259.6	2064.9
-57.5°	3457.2	3307.3	3160.1	2999.4	2825.8	2657.0	2485.2	2303.7	2132.2	1959.6	1784.3
-60°	2895.4	2774.0	2657.0	2529.6	2391.8	2245.7	2109.6	1965.6	1814.1	1677.5	1535.7
-62.5°	2403.5	2308.0	2209.6	2109.6	2001.3	1885.2	1768.3	1655.8	1537.3	1414.9	1300.9
-65°	1970.7	1896.4	1814.1	1736.4	1652.7	1562.7	1466.8	1372.7	1278.4	1179.5	1078.0
-67.5°	1592.5	1535.7	1472.8	1406.8	1341.0	1270.3	1194.8	1114.7	1037.7	959.8	878.3
-70°	1259.2	1215.2	1166.4	1112.9	1059.3	1004.4	945.8	883.6	817.9	756.6	696.3
-72.5°	962.8	929.2	891.9	851.1	806.7	765.0	722.5	677.2	629.4	579.2	530.7
-75°	704.3	680.4	654.0	624.9	593.4	559.4	527.7	496.1	462.7	427.6	390.8
-77.5°	486.9	470.8	452.8	433.1	411.7	388.6	363.9	339.7	318.1	295.4	271.6
-80°	308.5	298.5	287.4	275.2	261.9	247.6	232.3	216.0	198.8	183.6	170.7
-82.5°	170.4	165.3	159.7	153.6	146.9	139.6	131.9	123.7	114.9	105.8	96.1
-85°	76.6	74.7	72.7	70.4	68.0	65.4	62.5	59.5	56.4	53.0	49.5
-87.5°	24.0	23.6	23.1	22.6	22.1	21.5	20.9	20.2	19.5	18.8	18.0
-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: P1305886 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-70-7F-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°	17.2	16.4	15.5	14.6	13.7	12.7	11.8	10.8	9.8	8.7	7.7
85°	45.8	42.0	38.1	34.0	29.8	25.5	23.5	21.5	19.5	17.4	15.3
82.5°	86.1	79.2	73.3	67.2	60.9	54.4	47.7	40.9	33.9	26.9	22.9
80°	157.3	143.4	128.9	114.0	98.6	83.2	74.3	65.2	56.0	46.5	37.0
77.5°	246.8	220.9	194.2	174.1	154.8	135.1	114.8	94.1	77.8	66.1	54.1
75°	352.5	320.2	288.1	254.9	220.7	187.0	162.7	137.9	112.6	86.9	71.1
72.5°	485.8	439.3	391.1	342.5	302.7	261.8	219.9	181.3	151.8	121.9	91.6
70°	633.6	568.4	509.7	452.9	394.4	337.2	289.4	240.7	191.0	156.5	121.9
67.5°	793.8	720.5	644.6	566.4	497.5	430.1	361.2	303.3	247.6	191.0	151.8
65°	983.6	885.7	786.5	699.6	610.4	524.4	448.0	370.1	303.3	240.7	181.3
62.5°	1182.4	1063.6	952.3	837.9	732.8	632.5	533.4	448.0	361.2	289.4	219.9
60°	1393.2	1259.2	1121.0	992.6	864.6	743.9	632.5	524.4	430.1	337.2	261.8
57.5°	1624.4	1459.2	1305.7	1151.9	1006.1	864.6	732.8	610.4	497.5	394.4	302.7
55°	1863.7	1678.0	1494.7	1321.2	1151.9	992.6	837.9	699.6	566.4	452.9	342.5
52.5°	2128.6	1905.9	1696.0	1494.7	1305.7	1121.0	952.3	786.5	644.6	509.7	391.1
50°	2408.2	2149.9	1905.9	1678.0	1459.2	1259.2	1063.6	885.7	720.5	568.4	439.3
47.5°	2700.3	2408.2	2128.6	1863.7	1624.4	1393.2	1182.4	983.6	793.8	633.6	485.8
45°	3016.7	2675.1	2358.4	2064.9	1784.3	1535.7	1300.9	1078.0	878.3	696.3	530.7
42.5°	3333.9	2958.0	2599.8	2259.6	1959.6	1677.5	1414.9	1179.5	959.8	756.6	579.2
40°	3699.8	3244.9	2841.5	2475.4	2132.2	1814.1	1537.3	1278.4	1037.7	817.9	629.4
37.5°	4058.0	3554.1	3098.0	2682.1	2303.7	1965.6	1655.8	1372.7	1114.7	883.6	677.2
35°	4445.9	3874.1	3342.8	2895.4	2485.2	2109.6	1768.3	1466.8	1194.8	945.8	722.5
32.5°	4818.8	4191.7	3620.7	3110.2	2657.0	2245.7	1885.2	1562.7	1270.3	1004.4	765.0
30°	5226.4	4519.7	3887.0	3312.5	2825.8	2391.8	2001.3	1652.7	1341.0	1059.3	806.7
27.5°	5626.2	4827.3	4143.7	3531.3	2999.4	2529.6	2109.6	1736.4	1406.8	1112.9	851.1
25°	6013.0	5156.0	4407.8	3744.3	3160.1	2657.0	2209.6	1814.1	1472.8	1166.4	891.9
22.5°	6405.2	5473.4	4650.5	3939.7	3307.3	2774.0	2308.0	1896.4	1535.7	1215.2	929.2
20°	6762.3	5761.8	4870.7	4121.5	3457.2	2895.4	2403.5	1970.7	1592.5	1259.2	962.8
17.5°	7091.3	6037.5	5100.8	4301.9	3601.6	3003.5	2488.5	2036.7	1643.0	1298.3	992.6
15°	7421.0	6296.4	5308.9	4460.0	3728.0	3098.0	2562.7	2094.4	1687.0	1332.4	1018.6
12.5°	7703.6	6518.0	5486.8	4594.9	3835.8	3178.6	2625.9	2143.5	1724.5	1361.4	1040.7
10°	7937.2	6701.0	5633.5	4706.1	3924.6	3244.9	2677.9	2183.9	1755.3	1385.3	1058.9
7.5°	8120.5	6844.4	5748.4	4793.2	3994.0	3296.7	2718.6	2215.4	1779.4	1403.9	1073.0
5°	8252.3	6947.5	5830.9	4855.7	4043.8	3333.9	2747.7	2238.0	1796.6	1417.2	1083.2
2.5°	8331.7	7009.6	5880.6	4893.2	4073.8	3356.2	2765.3	2251.6	1806.9	1425.2	1089.3
0°	8358.2	7030.3	5897.2	4905.8	4083.8	3363.7	2771.1	2256.1	1810.4	1427.9	1091.3
-2.5°	8331.7	7009.6	5880.6	4893.2	4073.8	3356.2	2765.3	2251.6	1806.9	1425.2	1089.3
-5°	8252.3	6947.5	5830.9	4855.7	4043.8	3333.9	2747.7	2238.0	1796.6	1417.2	1083.2
-7.5°	8120.5	6844.4	5748.4	4793.2	3994.0	3296.7	2718.6	2215.4	1779.4	1403.9	1073.0
-10°	7937.2	6701.0	5633.5	4706.1	3924.6	3244.9	2677.9	2183.9	1755.3	1385.3	1058.9
-12.5°	7703.6	6518.0	5486.8	4594.9	3835.8	3178.6	2625.9	2143.5	1724.5	1361.4	1040.7
-15°	7421.0	6296.4	5308.9	4460.0	3728.0	3098.0	2562.7	2094.4	1687.0	1332.4	1018.6
-17.5°	7091.3	6037.5	5100.8	4301.9	3601.6	3003.5	2488.5	2036.7	1643.0	1298.3	992.6
-20°	6762.3	5761.8	4870.7	4121.5	3457.2	2895.4	2403.5	1970.7	1592.5	1259.2	962.8



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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°	6405.2	5473.4	4650.5	3939.7	3307.3	2774.0	2308.0	1896.4	1535.7	1215.2	929.2
-25°	6013.0	5156.0	4407.8	3744.3	3160.1	2657.0	2209.6	1814.1	1472.8	1166.4	891.9
-27.5°	5626.2	4827.3	4143.7	3531.3	2999.4	2529.6	2109.6	1736.4	1406.8	1112.9	851.1
-30°	5226.4	4519.7	3887.0	3312.5	2825.8	2391.8	2001.3	1652.7	1341.0	1059.3	806.7
-32.5°	4818.8	4191.7	3620.7	3110.2	2657.0	2245.7	1885.2	1562.7	1270.3	1004.4	765.0
-35°	4445.9	3874.1	3342.8	2895.4	2485.2	2109.6	1768.3	1466.8	1194.8	945.8	722.5
-37.5°	4058.0	3554.1	3098.0	2682.1	2303.7	1965.6	1655.8	1372.7	1114.7	883.6	677.2
-40°	3699.8	3244.9	2841.5	2475.4	2132.2	1814.1	1537.3	1278.4	1037.7	817.9	629.4
-42.5°	3333.9	2958.0	2599.8	2259.6	1959.6	1677.5	1414.9	1179.5	959.8	756.6	579.2
-45°	3016.7	2675.1	2358.4	2064.9	1784.3	1535.7	1300.9	1078.0	878.3	696.3	530.7
-47.5°	2700.3	2408.2	2128.6	1863.7	1624.4	1393.2	1182.4	983.6	793.8	633.6	485.8
-50°	2408.2	2149.9	1905.9	1678.0	1459.2	1259.2	1063.6	885.7	720.5	568.4	439.3
-52.5°	2128.6	1905.9	1696.0	1494.7	1305.7	1121.0	952.3	786.5	644.6	509.7	391.1
-55°	1863.7	1678.0	1494.7	1321.2	1151.9	992.6	837.9	699.6	566.4	452.9	342.5
-57.5°	1624.4	1459.2	1305.7	1151.9	1006.1	864.6	732.8	610.4	497.5	394.4	302.7
-60°	1393.2	1259.2	1121.0	992.6	864.6	743.9	632.5	524.4	430.1	337.2	261.8
-62.5°	1182.4	1063.6	952.3	837.9	732.8	632.5	533.4	448.0	361.2	289.4	219.9
-65°	983.6	885.7	786.5	699.6	610.4	524.4	448.0	370.1	303.3	240.7	181.3
-67.5°	793.8	720.5	644.6	566.4	497.5	430.1	361.2	303.3	247.6	191.0	151.8
-70°	633.6	568.4	509.7	452.9	394.4	337.2	289.4	240.7	191.0	156.5	121.9
-72.5°	485.8	439.3	391.1	342.5	302.7	261.8	219.9	181.3	151.8	121.9	91.6
-75°	352.5	320.2	288.1	254.9	220.7	187.0	162.7	137.9	112.6	86.9	71.1
-77.5°	246.8	220.9	194.2	174.1	154.8	135.1	114.8	94.1	77.8	66.1	54.1
-80°	157.3	143.4	128.9	114.0	98.6	83.2	74.3	65.2	56.0	46.5	37.0
-82.5°	86.1	79.2	73.3	67.2	60.9	54.4	47.7	40.9	33.9	26.9	22.9
-85°	45.8	42.0	38.1	34.0	29.8	25.5	23.5	21.5	19.5	17.4	15.3
-87.5°	17.2	16.4	15.5	14.6	13.7	12.7	11.8	10.8	9.8	8.7	7.7
-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):

	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°	6.6	5.5	4.4	3.3	2.2	1.1	0.0
85°	13.2	11.0	8.8	6.6	4.4	2.2	0.0
82.5°	19.7	16.5	13.2	10.0	6.6	3.3	0.0
80°	27.3	22.0	17.6	13.2	8.8	4.4	0.0
77.5°	42.0	29.8	22.0	16.5	11.0	5.5	0.0
75°	56.7	42.0	27.3	19.7	13.2	6.6	0.0
72.5°	71.1	54.1	37.0	22.9	15.3	7.7	0.0
70°	86.9	66.1	46.5	26.9	17.4	8.7	0.0
67.5°	112.6	77.8	56.0	33.9	19.5	9.8	0.0
65°	137.9	94.1	65.2	40.9	21.5	10.8	0.0
62.5°	162.7	114.8	74.3	47.7	23.5	11.8	0.0
60°	187.0	135.1	83.2	54.4	25.5	12.7	0.0
57.5°	220.7	154.8	98.6	60.9	29.8	13.7	0.0
55°	254.9	174.1	114.0	67.2	34.0	14.6	0.0
52.5°	288.1	194.2	128.9	73.3	38.1	15.5	0.0
50°	320.2	220.9	143.4	79.2	42.0	16.4	0.0
47.5°	352.5	246.8	157.3	86.1	45.8	17.2	0.0
45°	390.8	271.6	170.7	96.1	49.5	18.0	0.0
42.5°	427.6	295.4	183.6	105.8	53.0	18.8	0.0
40°	462.7	318.1	198.8	114.9	56.4	19.5	0.0
37.5°	496.1	339.7	216.0	123.7	59.5	20.2	0.0
35°	527.7	363.9	232.3	131.9	62.5	20.9	0.0
32.5°	559.4	388.6	247.6	139.6	65.4	21.5	0.0
30°	593.4	411.7	261.9	146.9	68.0	22.1	0.0
27.5°	624.9	433.1	275.2	153.6	70.4	22.6	0.0
25°	654.0	452.8	287.4	159.7	72.7	23.1	0.0
22.5°	680.4	470.8	298.5	165.3	74.7	23.6	0.0
20°	704.3	486.9	308.5	170.4	76.6	24.0	0.0
17.5°	725.5	501.3	317.4	174.9	78.2	24.3	0.0
15°	743.9	513.8	325.2	178.8	79.6	24.6	0.0
12.5°	759.6	524.4	331.8	182.1	80.8	24.9	0.0
10°	772.5	533.1	337.2	184.8	81.8	25.1	0.0
7.5°	782.5	539.9	341.4	187.0	82.6	25.3	0.0
5°	789.7	544.8	344.4	188.5	83.2	25.4	0.0
2.5°	794.1	547.7	346.2	189.4	83.5	25.5	0.0
0°	795.5	548.7	346.8	189.7	83.6	25.5	0.0
-2.5°	794.1	547.7	346.2	189.4	83.5	25.5	0.0
-5°	789.7	544.8	344.4	188.5	83.2	25.4	0.0
-7.5°	782.5	539.9	341.4	187.0	82.6	25.3	0.0
-10°	772.5	533.1	337.2	184.8	81.8	25.1	0.0
-12.5°	759.6	524.4	331.8	182.1	80.8	24.9	0.0
-15°	743.9	513.8	325.2	178.8	79.6	24.6	0.0
-17.5°	725.5	501.3	317.4	174.9	78.2	24.3	0.0
-20°	704.3	486.9	308.5	170.4	76.6	24.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	680.4	470.8	298.5	165.3	74.7	23.6	0.0
-25°	654.0	452.8	287.4	159.7	72.7	23.1	0.0
-27.5°	624.9	433.1	275.2	153.6	70.4	22.6	0.0
-30°	593.4	411.7	261.9	146.9	68.0	22.1	0.0
-32.5°	559.4	388.6	247.6	139.6	65.4	21.5	0.0
-35°	527.7	363.9	232.3	131.9	62.5	20.9	0.0
-37.5°	496.1	339.7	216.0	123.7	59.5	20.2	0.0
-40°	462.7	318.1	198.8	114.9	56.4	19.5	0.0
-42.5°	427.6	295.4	183.6	105.8	53.0	18.8	0.0
-45°	390.8	271.6	170.7	96.1	49.5	18.0	0.0
-47.5°	352.5	246.8	157.3	86.1	45.8	17.2	0.0
-50°	320.2	220.9	143.4	79.2	42.0	16.4	0.0
-52.5°	288.1	194.2	128.9	73.3	38.1	15.5	0.0
-55°	254.9	174.1	114.0	67.2	34.0	14.6	0.0
-57.5°	220.7	154.8	98.6	60.9	29.8	13.7	0.0
-60°	187.0	135.1	83.2	54.4	25.5	12.7	0.0
-62.5°	162.7	114.8	74.3	47.7	23.5	11.8	0.0
-65°	137.9	94.1	65.2	40.9	21.5	10.8	0.0
-67.5°	112.6	77.8	56.0	33.9	19.5	9.8	0.0
-70°	86.9	66.1	46.5	26.9	17.4	8.7	0.0
-72.5°	71.1	54.1	37.0	22.9	15.3	7.7	0.0
-75°	56.7	42.0	27.3	19.7	13.2	6.6	0.0
-77.5°	42.0	29.8	22.0	16.5	11.0	5.5	0.0
-80°	27.3	22.0	17.6	13.2	8.8	4.4	0.0
-82.5°	19.7	16.5	13.2	10.0	6.6	3.3	0.0
-85°	13.2	11.0	8.8	6.6	4.4	2.2	0.0
-87.5°	6.6	5.5	4.4	3.3	2.2	1.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)