

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: P1306079 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-50-80-5S-CV5-A**

Issue Date: 2/3/2026

**Test Information**

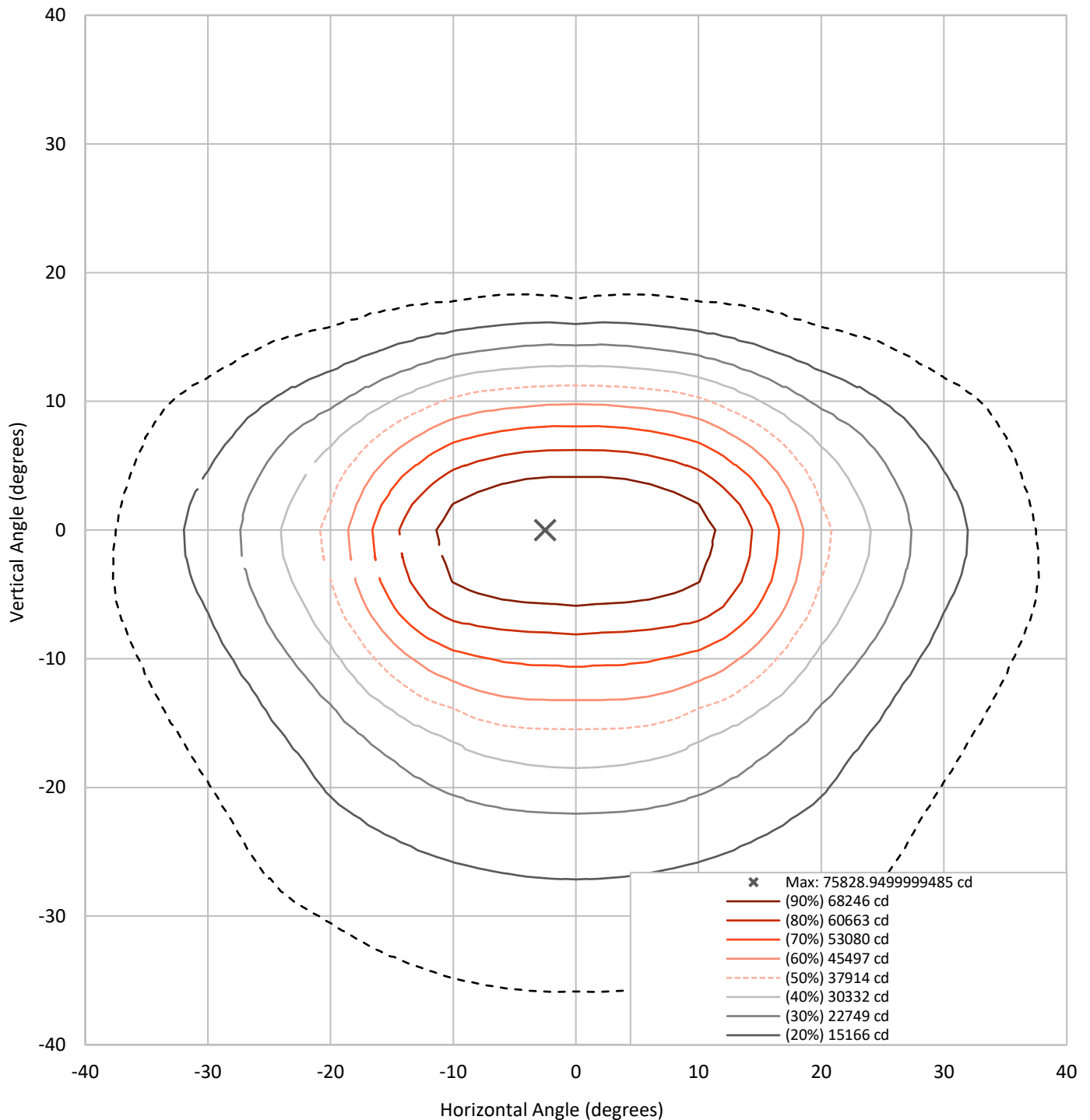
Test Method: LM-79-08  
Report Number: P1306079 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-30)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-320N-50-80-5S-CV5-A  
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE  
(8) 5000K, 80 CRI LEDS AND 5S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	30047.7 lumens	Max Intensity:	75828.9 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	90.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	41.7°H x 26.5°V	Field Angle (10%):	74.8°H x 54.1°V
Beam Lumens:	14892.3 lumens	Field Lumens:	26935.5 lumens
Beam Efficiency:	49.6%	Field Efficiency:	89.6%
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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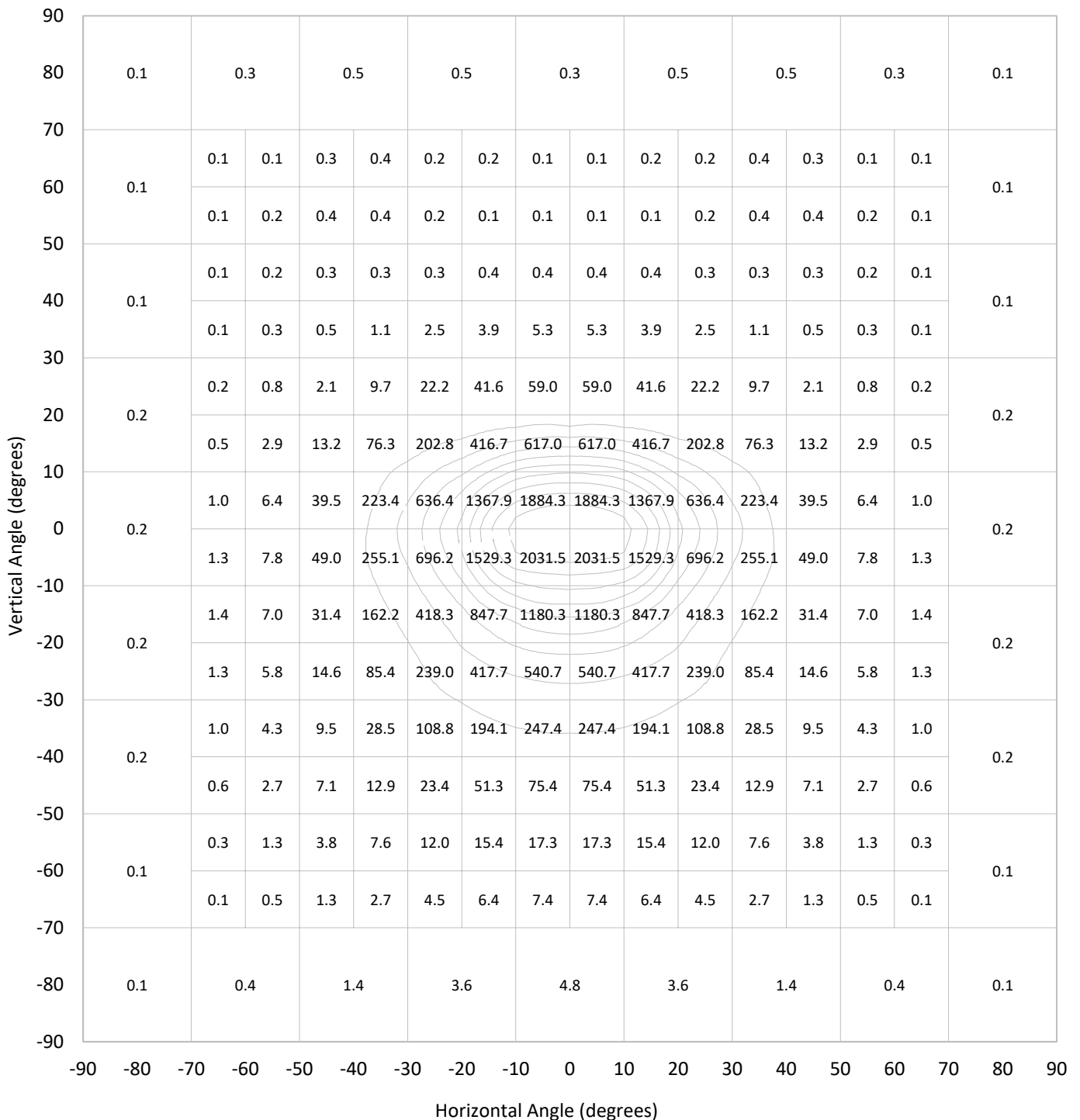
### Iso-Candela Plot





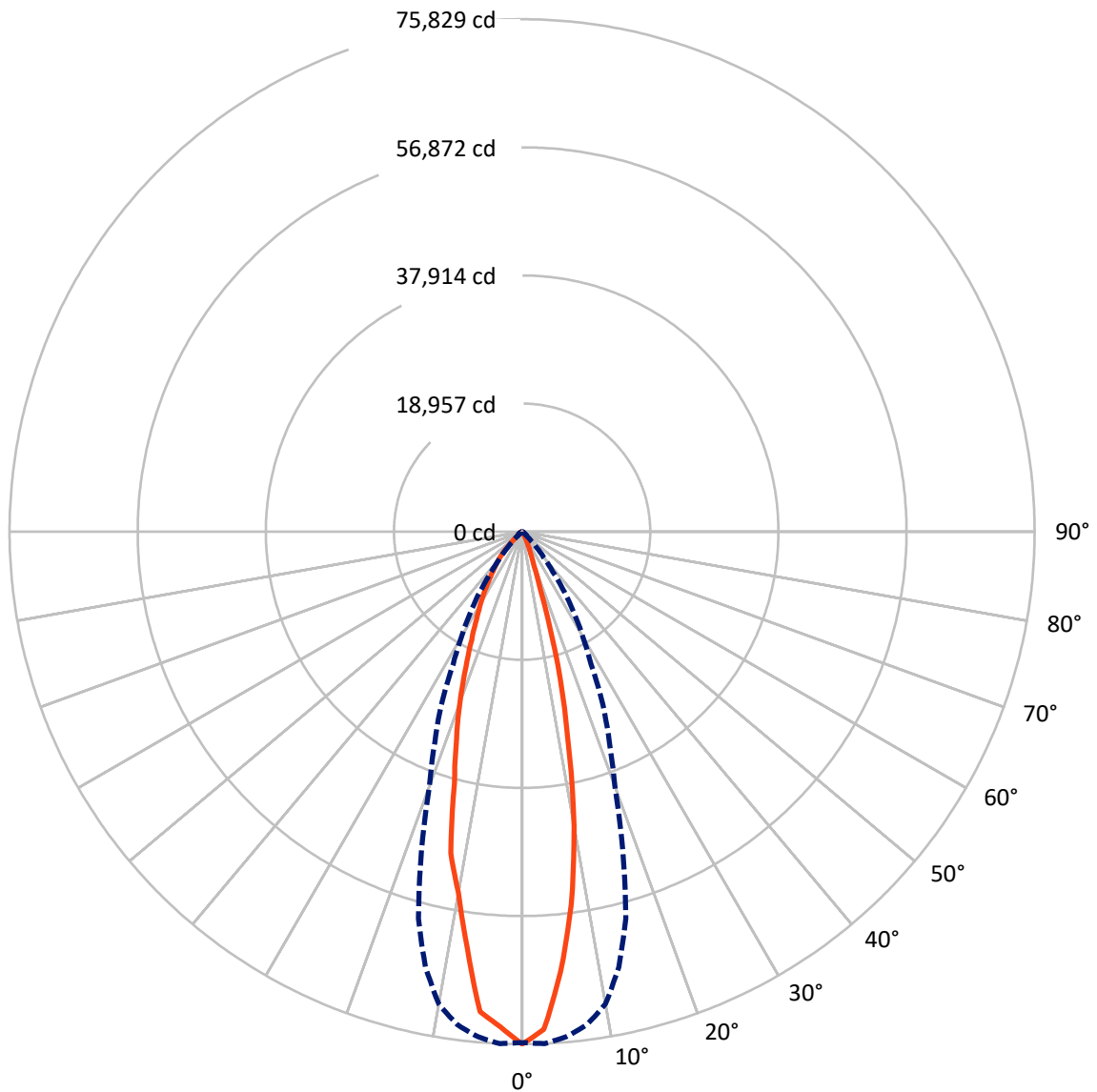
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### Lumen Table



REPORT NUMBER: P1306079 (CONVERTED FROM TYPE C PHOTOMETRY)  
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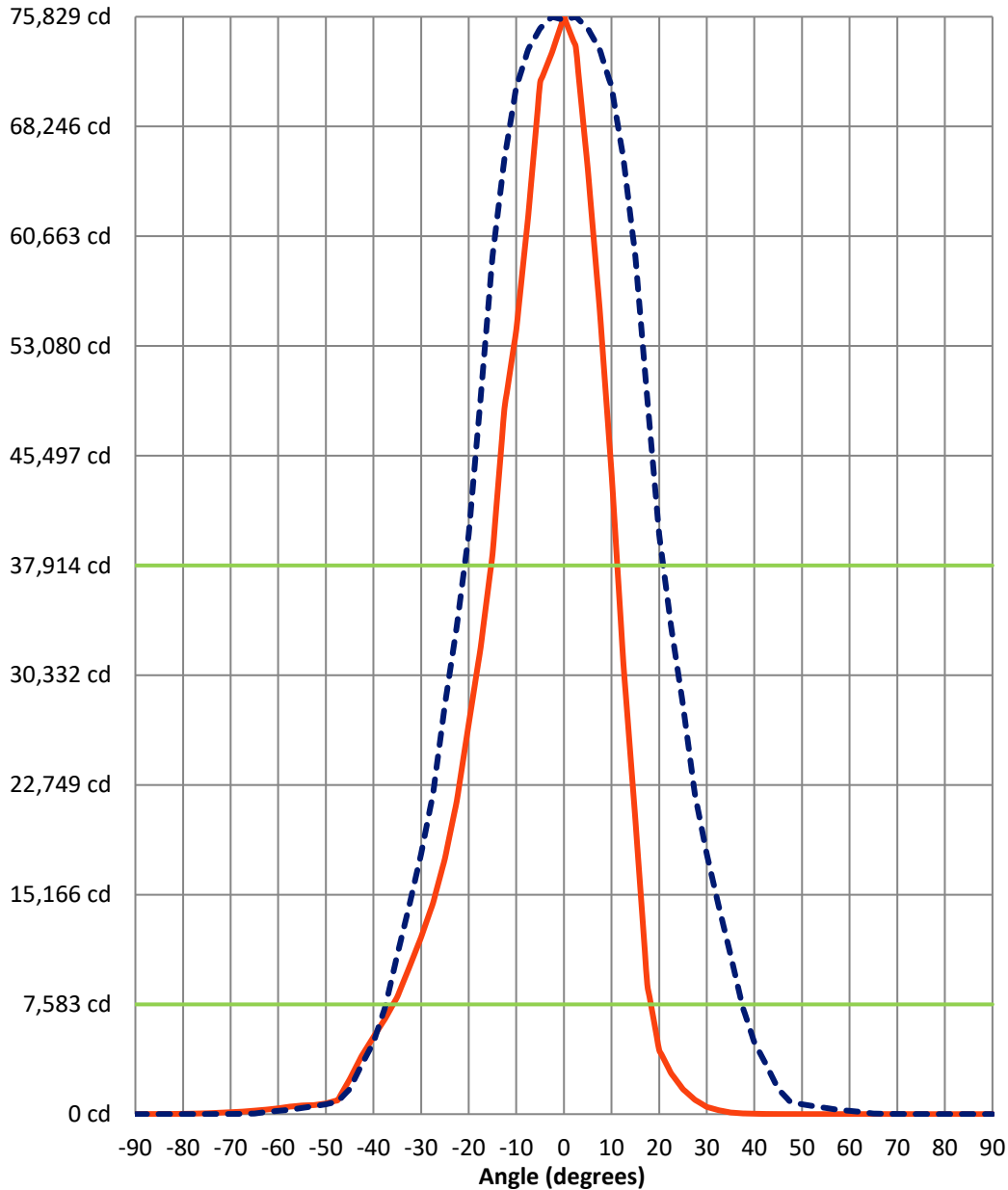
### Luminous Intensity Polar Plot



— Vertical Distribution Through -2.5-Deg    - - - Horizontal Distribution Through 0-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 41.7°  
 V Angle: 26.5°  
 Lumens: 14892.3  
 Efficiency: 49.6%

**Field:**  
 H Angle: 74.8°  
 V Angle: 54.1°  
 Lumens: 26935.5  
 Efficiency: 89.6%

**Spill:**  
 Lumens: 3112.3  
 Efficiency: 10.4%

— Vertical Distribution through -2.5-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°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
87.5°	4.6	4.6	4.7	4.8	4.8	4.9	4.9	4.9	4.8	4.7	4.6
85°	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.1	5.0	4.8	4.6
82.5°	4.6	4.7	4.9	5.1	5.2	5.4	5.5	5.4	5.2	5.0	4.9
80°	4.6	4.7	5.0	5.2	5.4	5.6	5.8	5.6	5.4	5.4	5.4
77.5°	4.6	4.7	5.1	5.4	5.6	5.8	5.8	5.7	5.6	5.7	5.8
75°	4.6	4.7	5.2	5.5	5.8	5.8	5.8	5.8	5.8	5.8	5.8
72.5°	4.6	4.8	5.3	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8
70°	4.6	4.8	5.4	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
67.5°	4.6	4.8	5.4	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
65°	4.6	4.8	5.5	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
62.5°	4.6	4.8	5.6	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
60°	4.6	4.9	5.6	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
57.5°	4.6	4.9	5.6	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
55°	4.6	4.9	5.6	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
52.5°	4.6	4.9	5.6	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
50°	4.6	4.9	5.6	5.8	5.8	5.8	5.8	5.9	5.8	5.8	6.1
47.5°	4.6	4.9	5.6	5.8	5.8	5.8	5.8	5.9	5.8	5.8	6.5
45°	4.6	4.9	5.6	5.8	5.8	5.8	5.9	6.0	5.9	6.1	6.9
42.5°	4.6	4.9	5.6	5.8	5.8	5.8	6.0	6.2	6.1	6.4	7.3
40°	4.6	4.9	5.6	5.8	5.8	5.8	6.1	6.3	6.3	6.7	7.7
37.5°	4.6	4.9	5.6	5.8	5.8	5.8	6.3	6.5	6.7	7.2	8.0
35°	4.6	4.9	5.6	5.8	5.8	5.9	6.4	6.7	7.1	7.7	8.2
32.5°	4.6	4.9	5.6	5.8	5.8	6.0	6.6	7.0	7.5	8.2	8.9
30°	4.6	4.9	5.6	5.8	5.8	6.1	6.8	7.2	7.9	8.8	9.8
27.5°	4.6	4.8	5.7	5.8	5.8	6.2	7.0	7.6	8.3	9.4	10.8
25°	4.6	4.8	5.7	5.8	5.8	6.4	7.2	7.9	8.8	10.2	11.9
22.5°	4.6	4.8	5.7	5.8	5.8	6.5	7.4	8.2	9.3	11.0	14.0
20°	4.6	4.8	5.7	5.8	5.8	6.6	7.6	8.5	9.8	12.0	16.3
17.5°	4.6	4.8	5.7	5.8	5.8	6.6	7.8	8.7	10.2	13.0	18.9
15°	4.6	4.8	5.7	5.8	5.8	6.7	7.8	8.9	10.7	14.0	21.6
12.5°	4.6	4.7	5.8	5.8	5.8	6.8	7.9	9.0	11.1	15.0	24.5
10°	4.6	4.7	5.8	5.8	5.8	6.8	8.0	9.1	11.5	16.3	27.6
7.5°	4.6	4.7	5.8	5.8	5.8	6.9	8.0	9.1	11.8	17.8	31.3
5°	4.6	4.7	5.8	5.8	5.8	6.9	8.1	9.2	12.2	19.2	34.9
2.5°	4.6	4.6	5.8	5.8	5.8	6.9	8.1	9.2	12.5	20.6	38.3
0°	4.6	4.6	5.8	5.8	5.8	6.9	8.1	9.2	12.7	21.9	41.4
-2.5°	4.6	4.6	5.8	5.8	5.9	7.0	8.2	10.3	15.8	27.5	50.6
-5°	4.6	4.7	5.8	5.8	6.0	7.1	8.4	11.3	18.7	32.8	59.1
-7.5°	4.6	4.7	5.8	5.8	6.1	7.2	8.5	12.2	21.4	37.7	66.9
-10°	4.6	4.7	5.8	5.8	6.2	7.3	8.6	13.0	23.8	42.1	73.6
-12.5°	4.6	4.7	5.8	5.8	6.2	7.4	8.7	13.6	25.7	45.7	78.8
-15°	4.6	4.8	5.7	5.8	6.3	7.5	8.7	14.0	27.3	48.8	82.7
-17.5°	4.6	4.8	5.7	5.8	6.3	7.5	8.8	14.7	28.7	51.1	85.3
-20°	4.6	4.8	5.7	5.8	6.4	7.6	9.1	15.5	29.5	52.4	86.5



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 CATALOG NUMBER: EPH-08-320N-50-80-5S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.6	4.8	5.7	5.8	6.4	7.6	9.6	16.0	29.8	52.7	86.2
-25°	4.6	4.8	5.7	5.8	6.4	7.6	10.0	16.3	29.4	52.0	84.5
-27.5°	4.6	4.8	5.7	5.8	6.4	7.6	10.1	16.3	28.4	50.7	83.4
-30°	4.6	4.9	5.6	5.8	6.3	7.6	10.1	16.0	27.7	49.4	81.0
-32.5°	4.6	4.9	5.6	5.8	6.3	7.5	9.8	15.8	27.3	47.2	77.1
-35°	4.6	4.9	5.6	5.8	6.2	7.3	9.6	15.5	26.4	44.1	71.7
-37.5°	4.6	4.9	5.6	5.8	6.1	7.2	9.4	14.9	25.1	40.1	64.2
-40°	4.6	4.9	5.6	5.8	6.0	7.1	9.1	13.9	23.4	37.4	57.2
-42.5°	4.6	4.9	5.6	5.8	6.0	7.0	8.7	12.5	21.6	34.0	49.7
-45°	4.6	4.9	5.6	5.8	6.0	6.8	8.3	11.2	19.6	30.1	42.2
-47.5°	4.6	4.9	5.6	5.9	6.1	6.7	7.7	10.6	17.0	25.9	37.4
-50°	4.6	4.9	5.6	5.9	6.1	6.5	7.5	9.8	13.8	22.2	32.1
-52.5°	4.6	4.9	5.6	5.9	6.1	6.4	7.3	8.9	11.9	18.2	26.6
-55°	4.6	4.9	5.6	5.9	6.2	6.4	7.1	8.0	10.7	14.1	21.9
-57.5°	4.6	4.9	5.6	5.9	6.2	6.4	6.9	7.8	9.4	12.0	16.9
-60°	4.6	4.9	5.6	5.9	6.2	6.4	6.7	7.5	8.3	10.5	12.9
-62.5°	4.6	4.8	5.6	5.9	6.2	6.5	6.7	7.2	8.0	9.0	11.2
-65°	4.6	4.8	5.5	5.9	6.1	6.5	6.8	7.0	7.7	8.4	9.5
-67.5°	4.6	4.8	5.4	5.8	6.0	6.5	6.8	7.0	7.3	8.0	8.7
-70°	4.6	4.8	5.4	5.8	6.0	6.3	6.8	7.0	7.2	7.7	8.3
-72.5°	4.6	4.8	5.3	5.7	5.9	6.2	6.6	6.9	7.1	7.4	7.9
-75°	4.6	4.7	5.2	5.5	5.8	6.0	6.4	6.7	6.9	7.1	7.5
-77.5°	4.6	4.7	5.1	5.4	5.6	5.9	6.1	6.3	6.6	6.8	7.0
-80°	4.6	4.7	5.0	5.2	5.4	5.6	5.8	6.0	6.2	6.4	6.6
-82.5°	4.6	4.7	4.9	5.1	5.2	5.4	5.5	5.7	5.8	6.0	6.1
-85°	4.6	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.4	5.5	5.6
-87.5°	4.6	4.6	4.7	4.8	4.8	4.9	4.9	5.0	5.0	5.1	5.1
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6



REPORT NUMBER: P1306079 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-80-5S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
87.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
85°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
82.5°	5.0	4.9	4.8	4.6	4.6	4.6	4.6	4.7	4.8	4.8	4.7
80°	5.4	5.2	5.1	5.0	5.1	5.3	5.4	5.6	5.5	5.3	5.0
77.5°	5.6	5.5	5.5	5.6	5.8	5.8	5.8	5.8	5.6	5.3	5.0
75°	5.7	5.8	5.8	5.8	5.8	5.8	5.8	6.0	6.1	6.0	5.9
72.5°	5.8	5.8	5.8	5.8	5.8	6.0	6.3	6.7	6.9	6.9	6.8
70°	5.8	5.8	5.8	5.8	5.9	6.2	6.8	7.4	7.8	8.0	8.4
67.5°	5.8	5.8	5.8	5.9	6.3	6.9	7.5	8.6	10.0	10.6	11.3
65°	5.8	5.8	5.9	6.3	6.8	7.7	8.9	10.4	13.5	15.2	15.9
62.5°	5.8	5.9	6.2	6.7	7.4	8.5	10.8	14.1	18.5	20.9	20.7
60°	5.8	5.9	6.5	7.3	8.1	9.9	13.1	17.6	23.4	27.6	24.9
57.5°	5.8	6.2	7.0	8.0	9.3	10.9	15.0	20.6	26.3	32.6	27.8
55°	6.0	6.6	7.6	9.1	10.4	11.8	15.8	20.7	27.1	30.6	26.0
52.5°	6.4	7.1	8.6	10.0	11.3	12.2	14.0	18.7	22.2	24.7	22.2
50°	6.8	8.0	9.4	10.6	11.5	11.5	11.0	14.6	17.4	18.3	18.0
47.5°	7.4	8.8	9.8	10.9	11.0	10.8	9.7	11.4	13.3	14.3	13.6
45°	8.0	9.2	10.2	10.6	10.8	10.3	10.0	9.5	11.6	12.0	11.5
42.5°	8.5	9.6	10.3	10.4	10.9	11.1	11.0	10.7	11.0	11.2	11.1
40°	8.8	9.9	10.5	11.4	11.6	12.6	13.3	13.2	11.2	12.4	12.6
37.5°	9.1	10.2	11.4	13.7	13.4	15.1	16.3	17.9	16.3	15.3	17.2
35°	9.3	10.6	14.5	17.3	17.4	18.4	22.4	24.4	23.1	21.9	24.2
32.5°	9.6	11.2	18.5	21.5	23.2	24.7	30.4	31.5	32.6	33.1	35.0
30°	10.7	14.9	23.2	26.2	29.8	36.0	39.0	40.0	44.1	49.8	65.2
27.5°	12.8	19.8	27.6	32.3	38.0	48.5	52.6	53.1	60.1	74.8	111.7
25°	15.5	31.4	32.4	39.3	49.9	62.5	70.8	78.7	81.3	125.7	213.7
22.5°	21.7	46.2	51.5	46.7	62.6	78.9	96.4	118.6	152.3	203.4	334.0
20°	32.7	62.4	75.2	78.4	82.3	97.4	126.0	170.9	276.2	458.1	631.6
17.5°	45.3	81.2	101.7	118.3	137.0	143.1	161.7	233.3	432.5	821.2	1275.8
15°	59.1	101.9	130.3	163.0	197.6	224.2	263.1	374.9	696.2	1322.6	2103.4
12.5°	73.8	124.0	160.6	211.4	262.6	310.2	383.1	622.2	1162.8	2031.6	3216.0
10°	88.9	147.1	191.9	262.3	330.7	399.7	507.6	905.3	1714.5	2787.2	4229.5
7.5°	105.4	169.7	223.1	314.4	400.6	491.0	634.1	1209.8	2285.8	3485.1	5107.6
5°	121.5	190.9	250.7	356.2	457.8	570.2	748.8	1518.6	2852.7	4121.7	5903.6
2.5°	136.4	210.7	277.4	394.2	504.9	628.2	811.9	1645.9	3179.1	4591.6	6688.3
0°	149.5	228.9	302.5	429.0	548.7	682.1	867.3	1738.0	3403.6	4951.9	7453.7
-2.5°	155.2	235.9	315.0	439.6	546.9	673.5	867.6	1768.6	3596.1	5379.8	7840.2
-5°	158.7	240.8	325.0	446.5	542.5	660.7	859.2	1755.1	3627.7	5478.6	7687.5
-7.5°	160.2	243.6	332.0	448.0	531.4	635.5	820.7	1626.9	3283.8	5025.0	6971.5
-10°	159.8	242.9	329.1	434.0	511.2	601.9	769.4	1458.0	2885.7	4512.9	6210.4
-12.5°	156.9	238.9	322.7	418.7	491.5	566.5	710.4	1250.1	2449.3	3957.8	5482.0
-15°	152.8	233.5	314.1	402.7	473.2	530.2	643.9	1004.5	1994.6	3459.9	4897.1
-17.5°	147.7	226.6	303.5	386.6	457.2	493.6	572.9	758.8	1587.9	2926.6	4308.1
-20°	141.8	218.4	290.9	371.2	442.5	469.4	535.2	684.1	1255.5	2332.2	3668.7



REPORT NUMBER: P1306079 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-80-5S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	135.4	209.0	277.8	354.9	421.1	456.9	502.0	605.2	895.3	1681.5	2978.3
-25°	131.5	199.0	265.1	333.6	399.8	444.9	468.2	529.3	676.9	1268.9	2249.9
-27.5°	128.9	189.1	247.8	310.7	378.8	430.1	449.2	491.3	595.0	840.8	1565.1
-30°	124.4	173.9	229.1	287.2	353.1	406.5	437.3	462.0	524.5	659.1	1073.5
-32.5°	115.1	157.7	210.3	265.3	324.7	384.0	428.2	452.1	492.5	562.1	701.3
-35°	104.1	144.4	191.1	241.9	295.4	356.3	408.2	447.6	466.7	514.8	603.9
-37.5°	94.0	130.1	171.0	218.5	268.7	324.9	385.4	429.8	461.5	483.6	547.2
-40°	82.9	114.8	153.2	195.8	241.8	293.2	349.4	404.3	446.6	483.2	511.6
-42.5°	71.3	101.5	135.7	172.3	215.6	262.2	311.8	366.5	421.0	470.5	508.7
-45°	62.4	87.2	117.7	151.8	188.8	230.7	276.4	324.1	380.9	437.9	487.4
-47.5°	52.9	73.2	100.8	130.1	163.2	200.0	240.1	285.0	333.0	388.0	446.2
-50°	44.0	62.2	82.5	109.5	138.2	170.1	205.5	244.9	288.0	333.7	384.3
-52.5°	37.6	50.6	68.4	88.8	114.2	141.5	172.4	206.3	243.6	282.5	323.5
-55°	30.8	41.9	54.7	71.5	91.1	114.8	140.6	170.2	200.1	234.7	266.1
-57.5°	24.6	33.7	43.8	56.0	71.8	89.1	111.9	135.4	162.2	189.3	212.4
-60°	18.8	26.2	34.7	44.0	54.2	69.1	84.4	104.0	125.7	146.4	166.3
-62.5°	13.4	19.5	26.4	33.9	42.3	50.9	63.4	77.3	91.1	108.5	124.5
-65°	11.5	13.8	18.8	25.2	31.5	39.7	47.6	55.1	66.7	78.0	88.5
-67.5°	9.5	11.4	13.6	16.8	22.6	29.1	35.7	42.8	49.4	55.2	61.8
-70°	8.8	9.1	10.6	12.6	15.2	19.3	25.2	31.0	36.8	42.3	47.5
-72.5°	8.3	8.6	8.9	9.2	11.2	14.0	17.1	20.3	24.3	28.8	33.4
-75°	7.8	8.1	8.3	8.6	9.2	10.3	11.7	14.3	16.8	19.1	21.2
-77.5°	7.3	7.5	7.7	7.9	8.3	9.0	9.8	10.9	12.1	13.4	14.8
-80°	6.7	6.9	7.1	7.2	7.5	7.9	8.3	8.7	9.5	10.5	11.5
-82.5°	6.2	6.3	6.5	6.6	6.7	6.8	6.9	7.2	7.5	7.9	8.4
-85°	5.7	5.8	5.9	6.0	6.0	6.1	6.2	6.3	6.3	6.4	6.4
-87.5°	5.2	5.2	5.2	5.3	5.3	5.4	5.4	5.4	5.5	5.5	5.6
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.6	4.9	5.2	5.5	5.8	6.6	7.5	8.3	9.2	8.9	8.6
87.5°	4.6	4.3	4.1	3.8	3.5	3.2	2.9	2.6	2.3	2.0	1.8
85°	4.6	4.5	4.5	4.4	4.4	4.2	3.9	3.7	3.4	2.9	2.3
82.5°	4.6	4.6	4.6	4.6	4.6	4.3	4.1	3.8	3.5	2.9	2.4
80°	4.6	4.6	4.6	4.6	4.6	4.4	4.1	3.8	3.5	3.0	2.4
77.5°	4.8	4.8	4.8	4.8	4.6	4.4	4.1	3.8	3.5	3.0	2.4
75°	5.8	5.6	5.4	5.1	4.7	4.4	4.1	3.8	3.6	3.2	2.9
72.5°	6.7	6.5	6.1	5.9	5.6	5.4	5.2	4.9	4.5	4.2	4.0
70°	8.9	9.1	8.9	8.4	7.7	7.1	6.6	6.2	5.7	5.2	4.7
67.5°	12.0	12.0	11.4	10.5	9.1	7.9	7.3	6.7	6.1	5.7	5.7
65°	15.7	14.3	12.9	11.3	9.6	8.0	7.4	6.8	6.1	5.8	5.8
62.5°	19.1	15.5	12.5	10.6	9.1	8.0	7.1	6.3	5.5	4.9	4.8
60°	20.6	14.6	10.5	9.2	8.0	7.0	6.2	5.5	5.0	4.6	4.3
57.5°	20.6	13.9	8.9	7.7	6.8	6.0	5.6	5.3	4.9	4.6	4.2
55°	18.7	12.4	7.3	6.6	6.3	6.0	5.7	5.3	5.0	4.6	4.3
52.5°	15.3	10.9	7.8	6.7	6.4	6.1	5.8	5.4	5.0	4.7	4.3
50°	13.3	10.0	7.9	6.8	6.5	6.2	5.8	5.7	5.7	5.5	5.2
47.5°	11.5	9.2	7.9	7.0	6.8	7.3	7.7	7.8	7.6	7.4	7.1
45°	10.1	8.8	8.2	8.5	8.9	9.6	10.0	10.1	10.1	10.1	10.0
42.5°	10.0	10.1	10.8	11.9	11.8	13.3	14.1	12.4	14.2	15.1	14.3
40°	13.3	13.6	16.8	19.3	21.7	22.1	25.8	26.3	26.8	28.4	28.7
37.5°	19.4	22.8	32.6	40.0	43.1	43.3	48.8	49.9	48.3	54.9	56.8
35°	29.7	45.0	60.9	70.1	75.3	79.1	86.5	95.0	91.0	105.6	110.7
32.5°	53.3	81.3	110.3	109.2	118.9	145.2	154.9	170.4	186.5	211.2	238.2
30°	89.6	165.4	198.9	186.7	214.4	251.8	252.0	295.0	355.0	405.9	482.6
27.5°	201.8	286.7	330.5	350.1	371.1	418.3	477.0	531.7	684.3	788.5	898.2
25°	342.6	459.8	506.7	579.6	645.6	689.5	866.7	996.0	1215.3	1374.4	1539.2
22.5°	552.4	707.5	804.6	870.5	1093.0	1290.9	1480.2	1761.9	1979.6	2252.7	2458.4
20°	815.1	1024.6	1381.2	1661.0	1800.8	2221.1	2563.6	2854.7	3240.9	3579.5	3880.6
17.5°	1538.2	1655.8	2400.9	3130.0	3424.7	3968.3	4952.8	5324.2	6436.2	7250.4	7690.1
15°	2785.1	3354.1	4138.8	5354.4	6702.8	7768.1	8701.3	10612.4	12734.0	14614.8	16595.0
12.5°	4404.1	5516.8	6837.5	8324.4	10753.9	12681.9	14746.9	17478.1	20905.5	23888.4	27397.6
10°	6026.0	7906.1	9731.7	12048.7	15117.6	18094.2	21068.5	25394.4	30428.9	35262.5	39441.8
7.5°	7367.1	9915.8	12389.8	15593.1	19773.2	23920.4	28077.4	33799.0	40457.4	45974.0	50716.5
5°	8732.0	11923.8	14826.0	18520.3	23440.0	28491.1	33693.3	40827.5	48692.3	54938.9	59832.1
2.5°	9985.4	13602.1	16961.2	21080.6	26559.1	31501.2	37422.9	46181.0	55552.5	62291.4	67685.7
0°	10997.6	14387.4	17976.2	22121.7	28273.3	33720.9	40066.9	49458.7	59264.7	65997.7	70975.4
-2.5°	10779.7	14208.4	17563.8	21775.6	27951.5	32966.7	39391.2	48631.9	58320.1	65160.8	69631.6
-5°	10099.5	13134.1	16146.8	20102.4	25533.3	30420.3	36711.9	46210.5	55503.6	62479.3	67623.6
-7.5°	9093.6	11670.2	14402.8	18007.2	22734.5	27409.4	32881.7	40451.6	49125.3	55435.1	59163.8
-10°	8034.7	10168.0	12727.1	15773.1	19674.6	23873.6	28418.1	34482.2	41893.7	47427.1	50964.5
-12.5°	7106.4	8954.8	11237.8	13490.6	16673.8	20413.5	24448.9	29411.3	34301.8	40136.9	43195.1
-15°	6251.4	7792.1	9753.8	11913.9	14559.0	17498.2	20389.8	24105.3	27290.0	30934.9	33583.0
-17.5°	5536.1	6766.5	8504.6	10598.0	12589.8	15120.7	17880.1	20396.9	23089.5	25720.6	27916.6
-20°	4889.6	5904.7	7386.8	9229.9	11192.3	13344.5	15779.4	17828.1	20028.3	22027.7	23745.3



REPORT NUMBER: P1306079 (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°	4154.9	5184.3	6332.1	7909.0	9874.3	11803.8	13606.9	15155.2	16817.7	18433.3	19652.9
-25°	3390.2	4378.2	5477.1	6965.3	8575.2	10198.8	11475.8	12565.8	13863.6	15027.8	16074.4
-27.5°	2599.5	3652.9	4838.1	6081.2	7481.5	8513.2	9587.9	10573.7	11560.0	12343.3	13227.2
-30°	1807.2	2956.6	4122.3	5298.8	6258.0	7081.6	7883.1	8787.1	9679.5	10424.0	11047.9
-32.5°	1241.0	2070.1	3246.5	4340.6	5160.4	5860.4	6479.4	7250.3	7941.8	8554.6	9100.4
-35°	745.4	1329.5	2137.2	3177.0	4074.1	4755.1	5385.6	5970.1	6486.3	7002.4	7413.0
-37.5°	638.6	767.9	1257.9	1949.2	2803.0	3627.1	4274.9	4822.1	5303.0	5700.5	6048.9
-40°	575.0	651.5	758.6	994.5	1623.2	2252.5	2959.6	3583.3	4090.6	4463.9	4767.1
-42.5°	537.5	586.5	638.9	723.0	816.4	1115.2	1656.2	2172.9	2618.7	3032.2	3387.2
-45°	531.1	551.9	580.1	627.5	670.6	748.0	832.6	915.2	1265.9	1598.3	1870.9
-47.5°	491.3	533.7	559.5	580.8	603.4	640.0	675.7	714.0	777.8	837.7	889.0
-50°	433.3	478.9	518.0	556.2	576.2	591.1	605.8	624.8	649.7	672.5	693.4
-52.5°	362.0	405.9	449.8	490.5	522.4	551.6	577.9	590.2	599.6	608.1	614.8
-55°	298.8	333.4	368.0	405.2	442.0	477.0	507.2	527.2	545.2	561.1	574.6
-57.5°	239.2	266.2	294.3	324.6	353.9	382.2	409.1	433.7	455.5	474.4	490.4
-60°	185.3	203.4	227.0	251.0	273.8	295.5	317.3	337.2	355.1	370.9	383.3
-62.5°	139.1	154.2	172.0	188.9	203.9	220.0	240.4	257.5	271.5	282.8	292.8
-65°	99.9	112.5	126.9	141.1	155.0	168.8	183.0	196.8	209.9	220.4	227.7
-67.5°	70.9	79.9	90.0	98.8	109.2	121.3	134.2	146.0	156.7	164.1	168.6
-70°	52.3	57.5	64.8	73.3	82.0	90.0	98.2	106.4	114.5	120.2	124.5
-72.5°	38.2	43.3	48.7	54.1	60.0	65.9	71.9	78.0	84.1	87.9	90.5
-75°	23.1	26.2	30.9	35.4	39.8	44.0	47.8	51.5	54.9	56.7	57.8
-77.5°	16.6	18.7	21.1	23.4	25.9	28.3	30.7	33.2	35.6	36.7	37.5
-80°	12.6	13.9	15.2	16.5	18.0	19.4	20.9	22.4	23.9	24.2	24.2
-82.5°	9.0	9.9	10.7	11.6	12.5	13.3	14.1	14.9	15.6	15.8	15.9
-85°	6.5	7.0	7.6	8.2	8.8	9.4	10.0	10.6	11.3	11.3	11.4
-87.5°	5.6	5.9	6.2	6.5	6.8	7.2	7.5	7.8	8.1	8.1	8.1
-90°	4.6	4.3	4.1	3.8	3.5	3.2	2.9	2.6	2.3	2.0	1.8



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	8.4	8.1	8.1	8.1	8.1	8.1	8.4	8.6	8.9	9.2	8.3
87.5°	1.5	1.2	0.6	0.0	0.6	1.2	1.5	1.8	2.0	2.3	2.6
85°	1.8	1.2	1.2	1.2	1.2	1.2	1.8	2.3	2.9	3.4	3.7
82.5°	1.8	1.2	1.2	1.2	1.2	1.2	1.8	2.4	2.9	3.5	3.8
80°	1.8	1.2	1.2	1.2	1.2	1.2	1.8	2.4	3.0	3.5	3.8
77.5°	1.8	1.2	1.2	1.2	1.2	1.2	1.8	2.4	3.0	3.5	3.8
75°	2.6	2.3	1.8	1.2	1.8	2.3	2.6	2.9	3.2	3.6	3.8
72.5°	3.7	3.5	3.5	3.5	3.5	3.5	3.7	4.0	4.2	4.5	4.9
70°	4.2	3.6	3.5	3.5	3.5	3.6	4.2	4.7	5.2	5.7	6.2
67.5°	5.7	5.7	5.2	4.6	5.2	5.7	5.7	5.7	5.7	6.1	6.7
65°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	6.1	6.8
62.5°	4.7	4.7	4.6	4.6	4.6	4.7	4.7	4.8	4.9	5.5	6.3
60°	4.0	3.6	3.5	3.5	3.5	3.6	4.0	4.3	4.6	5.0	5.5
57.5°	3.9	3.6	3.5	3.5	3.5	3.6	3.9	4.2	4.6	4.9	5.3
55°	4.0	3.6	3.5	3.5	3.5	3.6	4.0	4.3	4.6	5.0	5.3
52.5°	4.0	3.6	3.9	4.6	3.9	3.6	4.0	4.3	4.7	5.0	5.4
50°	5.0	4.7	4.6	4.6	4.6	4.7	5.0	5.2	5.5	5.7	5.7
47.5°	6.7	6.1	5.8	5.8	5.8	6.1	6.7	7.1	7.4	7.6	7.8
45°	9.4	8.6	8.0	8.1	8.0	8.6	9.4	10.0	10.1	10.1	10.1
42.5°	14.1	13.8	13.7	13.8	13.7	13.8	14.1	14.3	15.1	14.2	12.4
40°	30.3	30.8	30.7	31.1	30.7	30.8	30.3	28.7	28.4	26.8	26.3
37.5°	57.1	55.2	52.3	52.9	52.3	55.2	57.1	56.8	54.9	48.3	49.9
35°	111.4	114.3	114.1	115.0	114.1	114.3	111.4	110.7	105.6	91.0	95.0
32.5°	257.7	271.4	271.7	277.2	271.7	271.4	257.7	238.2	211.2	186.5	170.4
30°	506.3	517.2	500.8	508.4	500.8	517.2	506.3	482.6	405.9	355.0	295.0
27.5°	955.2	995.4	995.0	977.7	995.0	995.4	955.2	898.2	788.5	684.3	531.7
25°	1677.7	1739.9	1728.4	1708.1	1728.4	1739.9	1677.7	1539.2	1374.4	1215.3	996.0
22.5°	2645.2	2747.9	2830.2	2776.7	2830.2	2747.9	2645.2	2458.4	2252.7	1979.6	1761.9
20°	4323.6	4352.9	4440.3	4408.9	4440.3	4352.9	4323.6	3880.6	3579.5	3240.9	2854.7
17.5°	8881.4	9200.0	8978.4	8303.7	8978.4	9200.0	8881.4	7690.1	7250.4	6436.2	5324.2
15°	17985.8	19321.3	20358.3	19789.0	20358.3	19321.3	17985.8	16595.0	14614.8	12734.0	10612.4
12.5°	29454.1	30439.5	31098.8	31147.2	31098.8	30439.5	29454.1	27397.6	23888.4	20905.5	17478.1
10°	42276.0	43146.7	44313.0	44477.0	44313.0	43146.7	42276.0	39441.8	35262.5	30428.9	25394.4
7.5°	53070.3	54835.9	55653.5	55543.6	55653.5	54835.9	53070.3	50716.5	45974.0	40457.4	33799.0
5°	62723.8	64553.2	65354.4	65487.6	65354.4	64553.2	62723.8	59832.1	54938.9	48692.3	40827.5
2.5°	70916.8	72763.7	73726.4	73462.3	73726.4	72763.7	70916.8	67685.7	62291.4	55552.5	46181.0
0°	73567.5	75022.0	75828.9	75607.5	75828.9	75022.0	73567.5	70975.4	65997.7	59264.7	49458.7
-2.5°	71882.5	72759.0	73367.1	73132.2	73367.1	72759.0	71882.5	69631.6	65160.8	58320.1	48631.9
-5°	70015.1	71055.1	71282.6	71560.9	71282.6	71055.1	70015.1	67623.6	62479.3	55503.6	46210.5
-7.5°	60582.2	61694.6	62062.1	62618.8	62062.1	61694.6	60582.2	59163.8	55435.1	49125.3	40451.6
-10°	52889.4	54137.1	54197.3	54540.6	54197.3	54137.1	52889.4	50964.5	47427.1	41893.7	34482.2
-12.5°	46445.7	48162.7	48732.4	48596.0	48732.4	48162.7	46445.7	43195.1	40136.9	34301.8	29411.3
-15°	37108.6	38575.4	38680.1	38748.7	38680.1	38575.4	37108.6	33583.0	30934.9	27290.0	24105.3
-17.5°	30246.9	31672.2	32221.6	32392.4	32221.6	31672.2	30246.9	27916.6	25720.6	23089.5	20396.9
-20°	25219.7	26280.9	26952.0	27230.0	26952.0	26280.9	25219.7	23745.3	22027.7	20028.3	17828.1



REPORT NUMBER: P1306079 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-80-5S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	20719.0	21391.7	21636.9	21698.4	21636.9	21391.7	20719.0	19652.9	18433.3	16817.7	15155.2
-25°	16809.6	17343.9	17654.5	17784.1	17654.5	17343.9	16809.6	16074.4	15027.8	13863.6	12565.8
-27.5°	13800.5	14275.9	14574.9	14620.9	14574.9	14275.9	13800.5	13227.2	12343.3	11560.0	10573.7
-30°	11525.5	11943.1	12222.5	12298.5	12222.5	11943.1	11525.5	11047.9	10424.0	9679.5	8787.1
-32.5°	9550.1	9907.5	10126.7	10221.2	10126.7	9907.5	9550.1	9100.4	8554.6	7941.8	7250.3
-35°	7719.5	7959.7	8100.1	8054.1	8100.1	7959.7	7719.5	7413.0	7002.4	6486.3	5970.1
-37.5°	6328.3	6521.5	6626.7	6632.4	6626.7	6521.5	6328.3	6048.9	5700.5	5303.0	4822.1
-40°	5018.2	5214.5	5332.8	5339.5	5332.8	5214.5	5018.2	4767.1	4463.9	4090.6	3583.3
-42.5°	3669.5	3870.5	4007.8	4097.2	4007.8	3870.5	3669.5	3387.2	3032.2	2618.7	2172.9
-45°	2098.4	2272.1	2404.6	2500.7	2404.6	2272.1	2098.4	1870.9	1598.3	1265.9	915.2
-47.5°	927.4	955.6	967.9	963.9	967.9	955.6	927.4	889.0	837.7	777.8	714.0
-50°	712.5	729.2	737.5	737.3	737.5	729.2	712.5	693.4	672.5	649.7	624.8
-52.5°	620.1	624.3	626.8	628.0	626.8	624.3	620.1	614.8	608.1	599.6	590.2
-55°	585.8	594.6	597.9	597.0	597.9	594.6	585.8	574.6	561.1	545.2	527.2
-57.5°	503.9	514.7	522.0	525.7	522.0	514.7	503.9	490.4	474.4	455.5	433.7
-60°	392.6	399.0	403.1	404.9	403.1	399.0	392.6	383.3	370.9	355.1	337.2
-62.5°	301.5	308.9	312.6	314.0	312.6	308.9	301.5	292.8	282.8	271.5	257.5
-65°	234.2	239.6	242.6	243.9	242.6	239.6	234.2	227.7	220.4	209.9	196.8
-67.5°	172.0	174.4	175.6	176.0	175.6	174.4	172.0	168.6	164.1	156.7	146.0
-70°	128.4	131.9	134.2	135.7	134.2	131.9	128.4	124.5	120.2	114.5	106.4
-72.5°	92.7	94.5	95.8	96.6	95.8	94.5	92.7	90.5	87.9	84.1	78.0
-75°	58.7	59.3	59.7	59.8	59.7	59.3	58.7	57.8	56.7	54.9	51.5
-77.5°	38.2	38.8	39.6	40.3	39.6	38.8	38.2	37.5	36.7	35.6	33.2
-80°	24.2	24.1	24.2	24.2	24.2	24.1	24.2	24.2	24.2	23.9	22.4
-82.5°	16.0	16.0	16.1	16.1	16.1	16.0	16.0	15.9	15.8	15.6	14.9
-85°	11.4	11.5	11.5	11.5	11.5	11.5	11.4	11.4	11.3	11.3	10.6
-87.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	7.8
-90°	1.5	1.2	0.6	0.0	0.6	1.2	1.5	1.8	2.0	2.3	2.6



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.5	6.6	5.8	5.5	5.2	4.9	4.6	4.6	4.6	4.6	4.6
87.5°	2.9	3.2	3.5	3.8	4.1	4.3	4.6	4.6	4.6	4.6	4.6
85°	3.9	4.2	4.4	4.4	4.5	4.5	4.6	4.6	4.6	4.6	4.6
82.5°	4.1	4.3	4.6	4.6	4.6	4.6	4.6	4.7	4.8	4.8	4.7
80°	4.1	4.4	4.6	4.6	4.6	4.6	4.6	5.0	5.3	5.5	5.6
77.5°	4.1	4.4	4.6	4.8	4.8	4.8	4.8	5.0	5.3	5.6	5.8
75°	4.1	4.4	4.7	5.1	5.4	5.6	5.8	5.9	6.0	6.1	6.0
72.5°	5.2	5.4	5.6	5.9	6.1	6.5	6.7	6.8	6.9	6.9	6.7
70°	6.6	7.1	7.7	8.4	8.9	9.1	8.9	8.4	8.0	7.8	7.4
67.5°	7.3	7.9	9.1	10.5	11.4	12.0	12.0	11.3	10.6	10.0	8.6
65°	7.4	8.0	9.6	11.3	12.9	14.3	15.7	15.9	15.2	13.5	10.4
62.5°	7.1	8.0	9.1	10.6	12.5	15.5	19.1	20.7	20.9	18.5	14.1
60°	6.2	7.0	8.0	9.2	10.5	14.6	20.6	24.9	27.6	23.4	17.6
57.5°	5.6	6.0	6.8	7.7	8.9	13.9	20.6	27.8	32.6	26.3	20.6
55°	5.7	6.0	6.3	6.6	7.3	12.4	18.7	26.0	30.6	27.1	20.7
52.5°	5.8	6.1	6.4	6.7	7.8	10.9	15.3	22.2	24.7	22.2	18.7
50°	5.8	6.2	6.5	6.8	7.9	10.0	13.3	18.0	18.3	17.4	14.6
47.5°	7.7	7.3	6.8	7.0	7.9	9.2	11.5	13.6	14.3	13.3	11.4
45°	10.0	9.6	8.9	8.5	8.2	8.8	10.1	11.5	12.0	11.6	9.5
42.5°	14.1	13.3	11.8	11.9	10.8	10.1	10.0	11.1	11.2	11.0	10.7
40°	25.8	22.1	21.7	19.3	16.8	13.6	13.3	12.6	12.4	11.2	13.2
37.5°	48.8	43.3	43.1	40.0	32.6	22.8	19.4	17.2	15.3	16.3	17.9
35°	86.5	79.1	75.3	70.1	60.9	45.0	29.7	24.2	21.9	23.1	24.4
32.5°	154.9	145.2	118.9	109.2	110.3	81.3	53.3	35.0	33.1	32.6	31.5
30°	252.0	251.8	214.4	186.7	198.9	165.4	89.6	65.2	49.8	44.1	40.0
27.5°	477.0	418.3	371.1	350.1	330.5	286.7	201.8	111.7	74.8	60.1	53.1
25°	866.7	689.5	645.6	579.6	506.7	459.8	342.6	213.7	125.7	81.3	78.7
22.5°	1480.2	1290.9	1093.0	870.5	804.6	707.5	552.4	334.0	203.4	152.3	118.6
20°	2563.6	2221.1	1800.8	1661.0	1381.2	1024.6	815.1	631.6	458.1	276.2	170.9
17.5°	4952.8	3968.3	3424.7	3130.0	2400.9	1655.8	1538.2	1275.8	821.2	432.5	233.3
15°	8701.3	7768.1	6702.8	5354.4	4138.8	3354.1	2785.1	2103.4	1322.6	696.2	374.9
12.5°	14746.9	12681.9	10753.9	8324.4	6837.5	5516.8	4404.1	3216.0	2031.6	1162.8	622.2
10°	21068.5	18094.2	15117.6	12048.7	9731.7	7906.1	6026.0	4229.5	2787.2	1714.5	905.3
7.5°	28077.4	23920.4	19773.2	15593.1	12389.8	9915.8	7367.1	5107.6	3485.1	2285.8	1209.8
5°	33693.3	28491.1	23440.0	18520.3	14826.0	11923.8	8732.0	5903.6	4121.7	2852.7	1518.6
2.5°	37422.9	31501.2	26559.1	21080.6	16961.2	13602.1	9985.4	6688.3	4591.6	3179.1	1645.9
0°	40066.9	33720.9	28273.3	22121.7	17976.2	14387.4	10997.6	7453.7	4951.9	3403.6	1738.0
-2.5°	39391.2	32966.7	27951.5	21775.6	17563.8	14208.4	10779.7	7840.2	5379.8	3596.1	1768.6
-5°	36711.9	30420.3	25533.3	20102.4	16146.8	13134.1	10099.5	7687.5	5478.6	3627.7	1755.1
-7.5°	32881.7	27409.4	22734.5	18007.2	14402.8	11670.2	9093.6	6971.5	5025.0	3283.8	1626.9
-10°	28418.1	23873.6	19674.6	15773.1	12727.1	10168.0	8034.7	6210.4	4512.9	2885.7	1458.0
-12.5°	24448.9	20413.5	16673.8	13490.6	11237.8	8954.8	7106.4	5482.0	3957.8	2449.3	1250.1
-15°	20389.8	17498.2	14559.0	11913.9	9753.8	7792.1	6251.4	4897.1	3459.9	1994.6	1004.5
-17.5°	17880.1	15120.7	12589.8	10598.0	8504.6	6766.5	5536.1	4308.1	2926.6	1587.9	758.8
-20°	15779.4	13344.5	11192.3	9229.9	7386.8	5904.7	4889.6	3668.7	2332.2	1255.5	684.1



REPORT NUMBER: P1306079 (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°	13606.9	11803.8	9874.3	7909.0	6332.1	5184.3	4154.9	2978.3	1681.5	895.3	605.2
-25°	11475.8	10198.8	8575.2	6965.3	5477.1	4378.2	3390.2	2249.9	1268.9	676.9	529.3
-27.5°	9587.9	8513.2	7481.5	6081.2	4838.1	3652.9	2599.5	1565.1	840.8	595.0	491.3
-30°	7883.1	7081.6	6258.0	5298.8	4122.3	2956.6	1807.2	1073.5	659.1	524.5	462.0
-32.5°	6479.4	5860.4	5160.4	4340.6	3246.5	2070.1	1241.0	701.3	562.1	492.5	452.1
-35°	5385.6	4755.1	4074.1	3177.0	2137.2	1329.5	745.4	603.9	514.8	466.7	447.6
-37.5°	4274.9	3627.1	2803.0	1949.2	1257.9	767.9	638.6	547.2	483.6	461.5	429.8
-40°	2959.6	2252.5	1623.2	994.5	758.6	651.5	575.0	511.6	483.2	446.6	404.3
-42.5°	1656.2	1115.2	816.4	723.0	638.9	586.5	537.5	508.7	470.5	421.0	366.5
-45°	832.6	748.0	670.6	627.5	580.1	551.9	531.1	487.4	437.9	380.9	324.1
-47.5°	675.7	640.0	603.4	580.8	559.5	533.7	491.3	446.2	388.0	333.0	285.0
-50°	605.8	591.1	576.2	556.2	518.0	478.9	433.3	384.3	333.7	288.0	244.9
-52.5°	577.9	551.6	522.4	490.5	449.8	405.9	362.0	323.5	282.5	243.6	206.3
-55°	507.2	477.0	442.0	405.2	368.0	333.4	298.8	266.1	234.7	200.1	170.2
-57.5°	409.1	382.2	353.9	324.6	294.3	266.2	239.2	212.4	189.3	162.2	135.4
-60°	317.3	295.5	273.8	251.0	227.0	203.4	185.3	166.3	146.4	125.7	104.0
-62.5°	240.4	220.0	203.9	188.9	172.0	154.2	139.1	124.5	108.5	91.1	77.3
-65°	183.0	168.8	155.0	141.1	126.9	112.5	99.9	88.5	78.0	66.7	55.1
-67.5°	134.2	121.3	109.2	98.8	90.0	79.9	70.9	61.8	55.2	49.4	42.8
-70°	98.2	90.0	82.0	73.3	64.8	57.5	52.3	47.5	42.3	36.8	31.0
-72.5°	71.9	65.9	60.0	54.1	48.7	43.3	38.2	33.4	28.8	24.3	20.3
-75°	47.8	44.0	39.8	35.4	30.9	26.2	23.1	21.2	19.1	16.8	14.3
-77.5°	30.7	28.3	25.9	23.4	21.1	18.7	16.6	14.8	13.4	12.1	10.9
-80°	20.9	19.4	18.0	16.5	15.2	13.9	12.6	11.5	10.5	9.5	8.7
-82.5°	14.1	13.3	12.5	11.6	10.7	9.9	9.0	8.4	7.9	7.5	7.2
-85°	10.0	9.4	8.8	8.2	7.6	7.0	6.5	6.4	6.4	6.3	6.3
-87.5°	7.5	7.2	6.8	6.5	6.2	5.9	5.6	5.6	5.5	5.5	5.4
-90°	2.9	3.2	3.5	3.8	4.1	4.3	4.6	4.6	4.6	4.6	4.6



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6
87.5°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.7	4.8	4.9
85°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.8	5.0	5.1
82.5°	4.6	4.6	4.6	4.6	4.8	4.9	5.0	4.9	5.0	5.2	5.4
80°	5.4	5.3	5.1	5.0	5.1	5.2	5.4	5.4	5.4	5.4	5.6
77.5°	5.8	5.8	5.8	5.6	5.5	5.5	5.6	5.8	5.7	5.6	5.7
75°	5.8	5.8	5.8	5.8	5.8	5.8	5.7	5.8	5.8	5.8	5.8
72.5°	6.3	6.0	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
70°	6.8	6.2	5.9	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
67.5°	7.5	6.9	6.3	5.9	5.8	5.8	5.8	5.8	5.8	5.8	5.8
65°	8.9	7.7	6.8	6.3	5.9	5.8	5.8	5.8	5.8	5.8	5.8
62.5°	10.8	8.5	7.4	6.7	6.2	5.9	5.8	5.8	5.8	5.8	5.8
60°	13.1	9.9	8.1	7.3	6.5	5.9	5.8	5.8	5.8	5.8	5.8
57.5°	15.0	10.9	9.3	8.0	7.0	6.2	5.8	5.8	5.8	5.8	5.8
55°	15.8	11.8	10.4	9.1	7.6	6.6	6.0	5.8	5.8	5.8	5.8
52.5°	14.0	12.2	11.3	10.0	8.6	7.1	6.4	5.8	5.8	5.8	5.8
50°	11.0	11.5	11.5	10.6	9.4	8.0	6.8	6.1	5.8	5.8	5.9
47.5°	9.7	10.8	11.0	10.9	9.8	8.8	7.4	6.5	5.8	5.8	5.9
45°	10.0	10.3	10.8	10.6	10.2	9.2	8.0	6.9	6.1	5.9	6.0
42.5°	11.0	11.1	10.9	10.4	10.3	9.6	8.5	7.3	6.4	6.1	6.2
40°	13.3	12.6	11.6	11.4	10.5	9.9	8.8	7.7	6.7	6.3	6.3
37.5°	16.3	15.1	13.4	13.7	11.4	10.2	9.1	8.0	7.2	6.7	6.5
35°	22.4	18.4	17.4	17.3	14.5	10.6	9.3	8.2	7.7	7.1	6.7
32.5°	30.4	24.7	23.2	21.5	18.5	11.2	9.6	8.9	8.2	7.5	7.0
30°	39.0	36.0	29.8	26.2	23.2	14.9	10.7	9.8	8.8	7.9	7.2
27.5°	52.6	48.5	38.0	32.3	27.6	19.8	12.8	10.8	9.4	8.3	7.6
25°	70.8	62.5	49.9	39.3	32.4	31.4	15.5	11.9	10.2	8.8	7.9
22.5°	96.4	78.9	62.6	46.7	51.5	46.2	21.7	14.0	11.0	9.3	8.2
20°	126.0	97.4	82.3	78.4	75.2	62.4	32.7	16.3	12.0	9.8	8.5
17.5°	161.7	143.1	137.0	118.3	101.7	81.2	45.3	18.9	13.0	10.2	8.7
15°	263.1	224.2	197.6	163.0	130.3	101.9	59.1	21.6	14.0	10.7	8.9
12.5°	383.1	310.2	262.6	211.4	160.6	124.0	73.8	24.5	15.0	11.1	9.0
10°	507.6	399.7	330.7	262.3	191.9	147.1	88.9	27.6	16.3	11.5	9.1
7.5°	634.1	491.0	400.6	314.4	223.1	169.7	105.4	31.3	17.8	11.8	9.1
5°	748.8	570.2	457.8	356.2	250.7	190.9	121.5	34.9	19.2	12.2	9.2
2.5°	811.9	628.2	504.9	394.2	277.4	210.7	136.4	38.3	20.6	12.5	9.2
0°	867.3	682.1	548.7	429.0	302.5	228.9	149.5	41.4	21.9	12.7	9.2
-2.5°	867.6	673.5	546.9	439.6	315.0	235.9	155.2	50.6	27.5	15.8	10.3
-5°	859.2	660.7	542.5	446.5	325.0	240.8	158.7	59.1	32.8	18.7	11.3
-7.5°	820.7	635.5	531.4	448.0	332.0	243.6	160.2	66.9	37.7	21.4	12.2
-10°	769.4	601.9	511.2	434.0	329.1	242.9	159.8	73.6	42.1	23.8	13.0
-12.5°	710.4	566.5	491.5	418.7	322.7	238.9	156.9	78.8	45.7	25.7	13.6
-15°	643.9	530.2	473.2	402.7	314.1	233.5	152.8	82.7	48.8	27.3	14.0
-17.5°	572.9	493.6	457.2	386.6	303.5	226.6	147.7	85.3	51.1	28.7	14.7
-20°	535.2	469.4	442.5	371.2	290.9	218.4	141.8	86.5	52.4	29.5	15.5



REPORT NUMBER: P1306079 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320N-50-80-5S-CV5-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	502.0	456.9	421.1	354.9	277.8	209.0	135.4	86.2	52.7	29.8	16.0
-25°	468.2	444.9	399.8	333.6	265.1	199.0	131.5	84.5	52.0	29.4	16.3
-27.5°	449.2	430.1	378.8	310.7	247.8	189.1	128.9	83.4	50.7	28.4	16.3
-30°	437.3	406.5	353.1	287.2	229.1	173.9	124.4	81.0	49.4	27.7	16.0
-32.5°	428.2	384.0	324.7	265.3	210.3	157.7	115.1	77.1	47.2	27.3	15.8
-35°	408.2	356.3	295.4	241.9	191.1	144.4	104.1	71.7	44.1	26.4	15.5
-37.5°	385.4	324.9	268.7	218.5	171.0	130.1	94.0	64.2	40.1	25.1	14.9
-40°	349.4	293.2	241.8	195.8	153.2	114.8	82.9	57.2	37.4	23.4	13.9
-42.5°	311.8	262.2	215.6	172.3	135.7	101.5	71.3	49.7	34.0	21.6	12.5
-45°	276.4	230.7	188.8	151.8	117.7	87.2	62.4	42.2	30.1	19.6	11.2
-47.5°	240.1	200.0	163.2	130.1	100.8	73.2	52.9	37.4	25.9	17.0	10.6
-50°	205.5	170.1	138.2	109.5	82.5	62.2	44.0	32.1	22.2	13.8	9.8
-52.5°	172.4	141.5	114.2	88.8	68.4	50.6	37.6	26.6	18.2	11.9	8.9
-55°	140.6	114.8	91.1	71.5	54.7	41.9	30.8	21.9	14.1	10.7	8.0
-57.5°	111.9	89.1	71.8	56.0	43.8	33.7	24.6	16.9	12.0	9.4	7.8
-60°	84.4	69.1	54.2	44.0	34.7	26.2	18.8	12.9	10.5	8.3	7.5
-62.5°	63.4	50.9	42.3	33.9	26.4	19.5	13.4	11.2	9.0	8.0	7.2
-65°	47.6	39.7	31.5	25.2	18.8	13.8	11.5	9.5	8.4	7.7	7.0
-67.5°	35.7	29.1	22.6	16.8	13.6	11.4	9.5	8.7	8.0	7.3	7.0
-70°	25.2	19.3	15.2	12.6	10.6	9.1	8.8	8.3	7.7	7.2	7.0
-72.5°	17.1	14.0	11.2	9.2	8.9	8.6	8.3	7.9	7.4	7.1	6.9
-75°	11.7	10.3	9.2	8.6	8.3	8.1	7.8	7.5	7.1	6.9	6.7
-77.5°	9.8	9.0	8.3	7.9	7.7	7.5	7.3	7.0	6.8	6.6	6.3
-80°	8.3	7.9	7.5	7.2	7.1	6.9	6.7	6.6	6.4	6.2	6.0
-82.5°	6.9	6.8	6.7	6.6	6.5	6.3	6.2	6.1	6.0	5.8	5.7
-85°	6.2	6.1	6.0	6.0	5.9	5.8	5.7	5.6	5.5	5.4	5.3
-87.5°	5.4	5.4	5.3	5.3	5.2	5.2	5.2	5.1	5.1	5.0	5.0
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6
87.5°	4.9	4.9	4.8	4.8	4.7	4.6	4.6
85°	5.2	5.1	5.0	4.9	4.8	4.7	4.6
82.5°	5.5	5.4	5.2	5.1	4.9	4.7	4.6
80°	5.8	5.6	5.4	5.2	5.0	4.7	4.6
77.5°	5.8	5.8	5.6	5.4	5.1	4.7	4.6
75°	5.8	5.8	5.8	5.5	5.2	4.7	4.6
72.5°	5.8	5.8	5.8	5.7	5.3	4.8	4.6
70°	5.8	5.8	5.8	5.8	5.4	4.8	4.6
67.5°	5.8	5.8	5.8	5.8	5.4	4.8	4.6
65°	5.8	5.8	5.8	5.8	5.5	4.8	4.6
62.5°	5.8	5.8	5.8	5.8	5.6	4.8	4.6
60°	5.8	5.8	5.8	5.8	5.6	4.9	4.6
57.5°	5.8	5.8	5.8	5.8	5.6	4.9	4.6
55°	5.8	5.8	5.8	5.8	5.6	4.9	4.6
52.5°	5.8	5.8	5.8	5.8	5.6	4.9	4.6
50°	5.8	5.8	5.8	5.8	5.6	4.9	4.6
47.5°	5.8	5.8	5.8	5.8	5.6	4.9	4.6
45°	5.9	5.8	5.8	5.8	5.6	4.9	4.6
42.5°	6.0	5.8	5.8	5.8	5.6	4.9	4.6
40°	6.1	5.8	5.8	5.8	5.6	4.9	4.6
37.5°	6.3	5.8	5.8	5.8	5.6	4.9	4.6
35°	6.4	5.9	5.8	5.8	5.6	4.9	4.6
32.5°	6.6	6.0	5.8	5.8	5.6	4.9	4.6
30°	6.8	6.1	5.8	5.8	5.6	4.9	4.6
27.5°	7.0	6.2	5.8	5.8	5.7	4.8	4.6
25°	7.2	6.4	5.8	5.8	5.7	4.8	4.6
22.5°	7.4	6.5	5.8	5.8	5.7	4.8	4.6
20°	7.6	6.6	5.8	5.8	5.7	4.8	4.6
17.5°	7.8	6.6	5.8	5.8	5.7	4.8	4.6
15°	7.8	6.7	5.8	5.8	5.7	4.8	4.6
12.5°	7.9	6.8	5.8	5.8	5.8	4.7	4.6
10°	8.0	6.8	5.8	5.8	5.8	4.7	4.6
7.5°	8.0	6.9	5.8	5.8	5.8	4.7	4.6
5°	8.1	6.9	5.8	5.8	5.8	4.7	4.6
2.5°	8.1	6.9	5.8	5.8	5.8	4.6	4.6
0°	8.1	6.9	5.8	5.8	5.8	4.6	4.6
-2.5°	8.2	7.0	5.9	5.8	5.8	4.6	4.6
-5°	8.4	7.1	6.0	5.8	5.8	4.7	4.6
-7.5°	8.5	7.2	6.1	5.8	5.8	4.7	4.6
-10°	8.6	7.3	6.2	5.8	5.8	4.7	4.6
-12.5°	8.7	7.4	6.2	5.8	5.8	4.7	4.6
-15°	8.7	7.5	6.3	5.8	5.7	4.8	4.6
-17.5°	8.8	7.5	6.3	5.8	5.7	4.8	4.6
-20°	9.1	7.6	6.4	5.8	5.7	4.8	4.6



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	9.6	7.6	6.4	5.8	5.7	4.8	4.6
-25°	10.0	7.6	6.4	5.8	5.7	4.8	4.6
-27.5°	10.1	7.6	6.4	5.8	5.7	4.8	4.6
-30°	10.1	7.6	6.3	5.8	5.6	4.9	4.6
-32.5°	9.8	7.5	6.3	5.8	5.6	4.9	4.6
-35°	9.6	7.3	6.2	5.8	5.6	4.9	4.6
-37.5°	9.4	7.2	6.1	5.8	5.6	4.9	4.6
-40°	9.1	7.1	6.0	5.8	5.6	4.9	4.6
-42.5°	8.7	7.0	6.0	5.8	5.6	4.9	4.6
-45°	8.3	6.8	6.0	5.8	5.6	4.9	4.6
-47.5°	7.7	6.7	6.1	5.9	5.6	4.9	4.6
-50°	7.5	6.5	6.1	5.9	5.6	4.9	4.6
-52.5°	7.3	6.4	6.1	5.9	5.6	4.9	4.6
-55°	7.1	6.4	6.2	5.9	5.6	4.9	4.6
-57.5°	6.9	6.4	6.2	5.9	5.6	4.9	4.6
-60°	6.7	6.4	6.2	5.9	5.6	4.9	4.6
-62.5°	6.7	6.5	6.2	5.9	5.6	4.8	4.6
-65°	6.8	6.5	6.1	5.9	5.5	4.8	4.6
-67.5°	6.8	6.5	6.0	5.8	5.4	4.8	4.6
-70°	6.8	6.3	6.0	5.8	5.4	4.8	4.6
-72.5°	6.6	6.2	5.9	5.7	5.3	4.8	4.6
-75°	6.4	6.0	5.8	5.5	5.2	4.7	4.6
-77.5°	6.1	5.9	5.6	5.4	5.1	4.7	4.6
-80°	5.8	5.6	5.4	5.2	5.0	4.7	4.6
-82.5°	5.5	5.4	5.2	5.1	4.9	4.7	4.6
-85°	5.2	5.1	5.0	4.9	4.8	4.7	4.6
-87.5°	4.9	4.9	4.8	4.8	4.7	4.6	4.6
-90°	4.6	4.6	4.6	4.6	4.6	4.6	4.6

(END OF REPORT)