

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: P1306075 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-50-80-4S-CV5-A**

Issue Date: 2/3/2026

Test Information

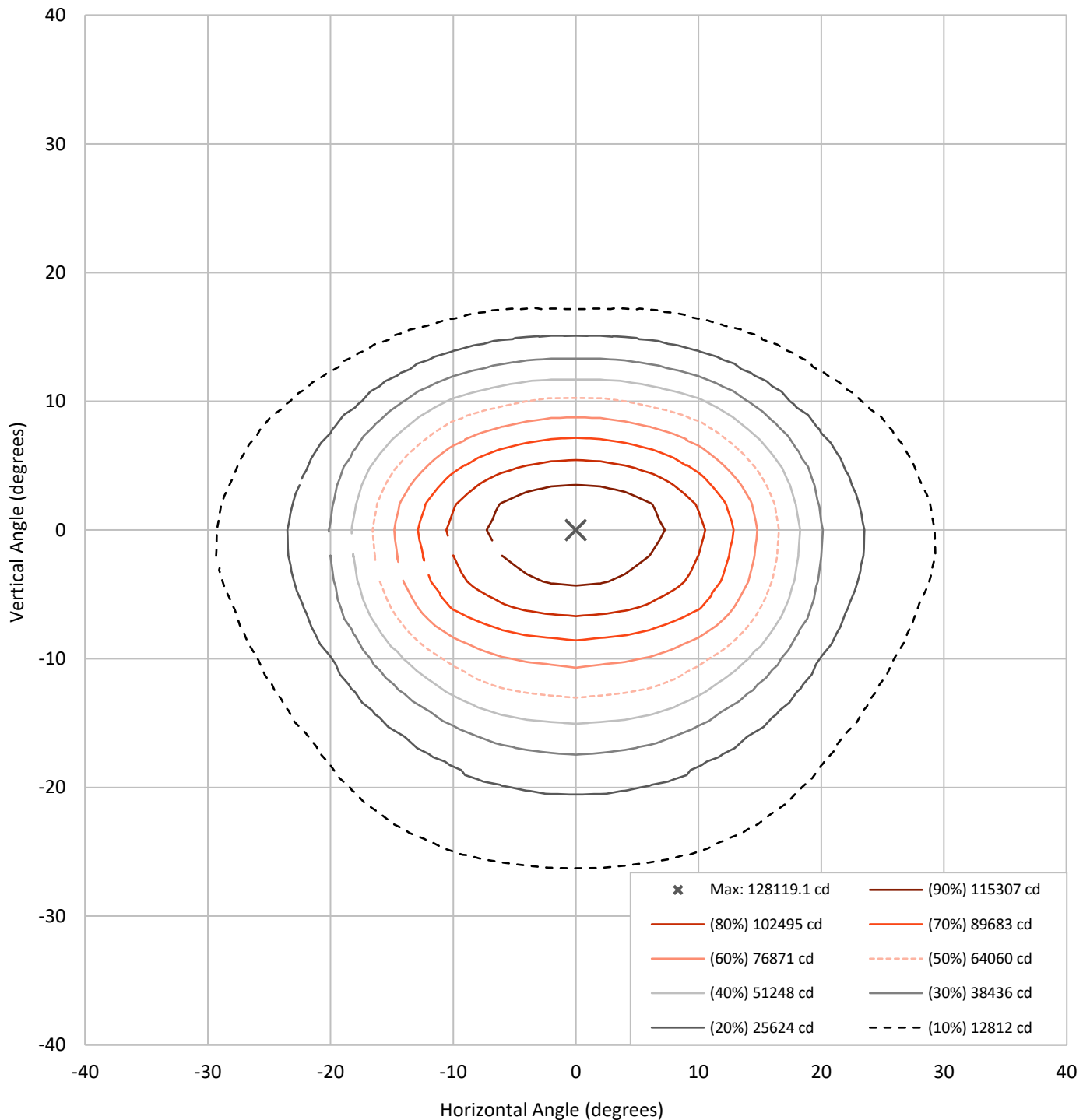
Test Method: LM-79-08
Report Number: P1306075 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-23)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-320N-50-80-4S-CV5-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5000K, 80 CRI LEDS AND 4S BEAM SHAPE WITH 5 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 3V
Luminaire Lumens:	33821.2 lumens	Max Intensity:	128119.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	101.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.1°H x 23.4°V	Field Angle (10%):	58.5°H x 43.2°V
Beam Lumens:	17112.4 lumens	Field Lumens:	29167.8 lumens
Beam Efficiency:	50.6%	Field Efficiency:	86.2%
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		

REPORT NUMBER: P1306075 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-320N-50-80-4S-CV5-A

Iso-Candela Plot





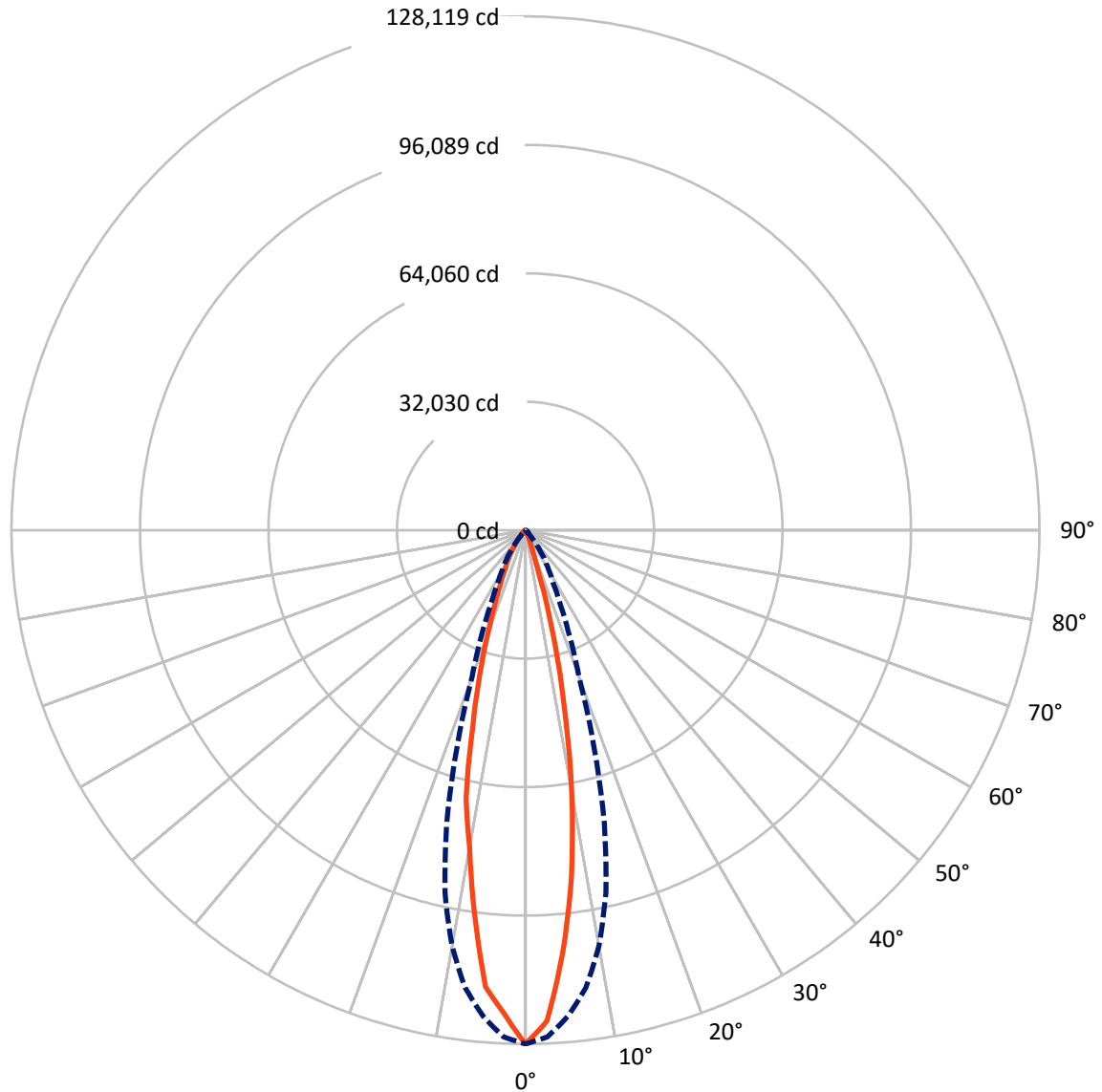
REPORT NUMBER: P1306075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-50-80-4S-CV5-A

Lumen Table

90	0.1	0.3		0.5		0.4		0.3		0.4		0.5		0.3		0.1			
80	0.1	0.3		0.5		0.4		0.3		0.4		0.5		0.3		0.1			
70	0.1	0.1	0.1	0.3	0.4	0.3	0.2	0.2	0.2	0.2	0.3	0.4	0.3	0.1	0.1	0.1			
60		0.1	0.2	0.5	0.5	0.2	0.1	0.1	0.1	0.1	0.2	0.5	0.5	0.2	0.1				
50	0.1	0.1	0.2	0.3	0.2	0.2	0.3	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.1	0.1			
40		0.1	0.3	0.5	0.7	1.4	2.6	3.9	3.9	2.6	1.4	0.7	0.5	0.3	0.1				
30	0.1	0.2	0.9	1.9	5.1	14.1	29.2	48.5	48.5	29.2	14.1	5.1	1.9	0.9	0.2	0.1			
20		0.6	2.9	7.6	45.7	142.6	434.5	812.2	812.2	434.5	142.6	45.7	7.6	2.9	0.6				
10	0.2	1.1	5.9	19.3	141.7	499.1	1728.0	2940.6	2940.6	1728.0	499.1	141.7	19.3	5.9	1.1	0.2			
0		1.5	7.2	23.1	157.9	550.7	1903.3	3124.5	3124.5	1903.3	550.7	157.9	23.1	7.2	1.5				
-10	0.3	1.6	6.4	16.2	93.5	303.5	842.3	1480.3	1480.3	842.3	303.5	93.5	16.2	6.4	1.6	0.3			
-20		1.5	5.4	10.9	39.1	151.7	312.7	455.3	455.3	312.7	151.7	39.1	10.9	5.4	1.5				
-30	0.3	1.2	4.5	8.5	15.9	47.2	107.3	152.2	152.2	107.3	47.2	15.9	8.5	4.5	1.2	0.3			
-40		0.8	3.2	7.0	11.3	16.9	24.4	32.0	32.0	24.4	16.9	11.3	7.0	3.2	0.8				
-50	0.2	0.4	1.7	4.4	8.0	11.1	13.7	15.3	15.3	13.7	11.1	8.0	4.4	1.7	0.4	0.2			
-60		0.2	0.6	1.7	3.3	5.4	7.2	8.3	8.3	7.2	5.4	3.3	1.7	0.6	0.2				
-70	0.1	0.5		1.6		4.1		5.9		4.1		1.6		0.5		0.1			
-80		0.5		1.6		4.1		5.9		4.1		1.6		0.5					
-90	0.1	0.5		1.6		4.1		5.9		4.1		1.6		0.5		0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P1306075 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-320N-50-80-4S-CV5-A

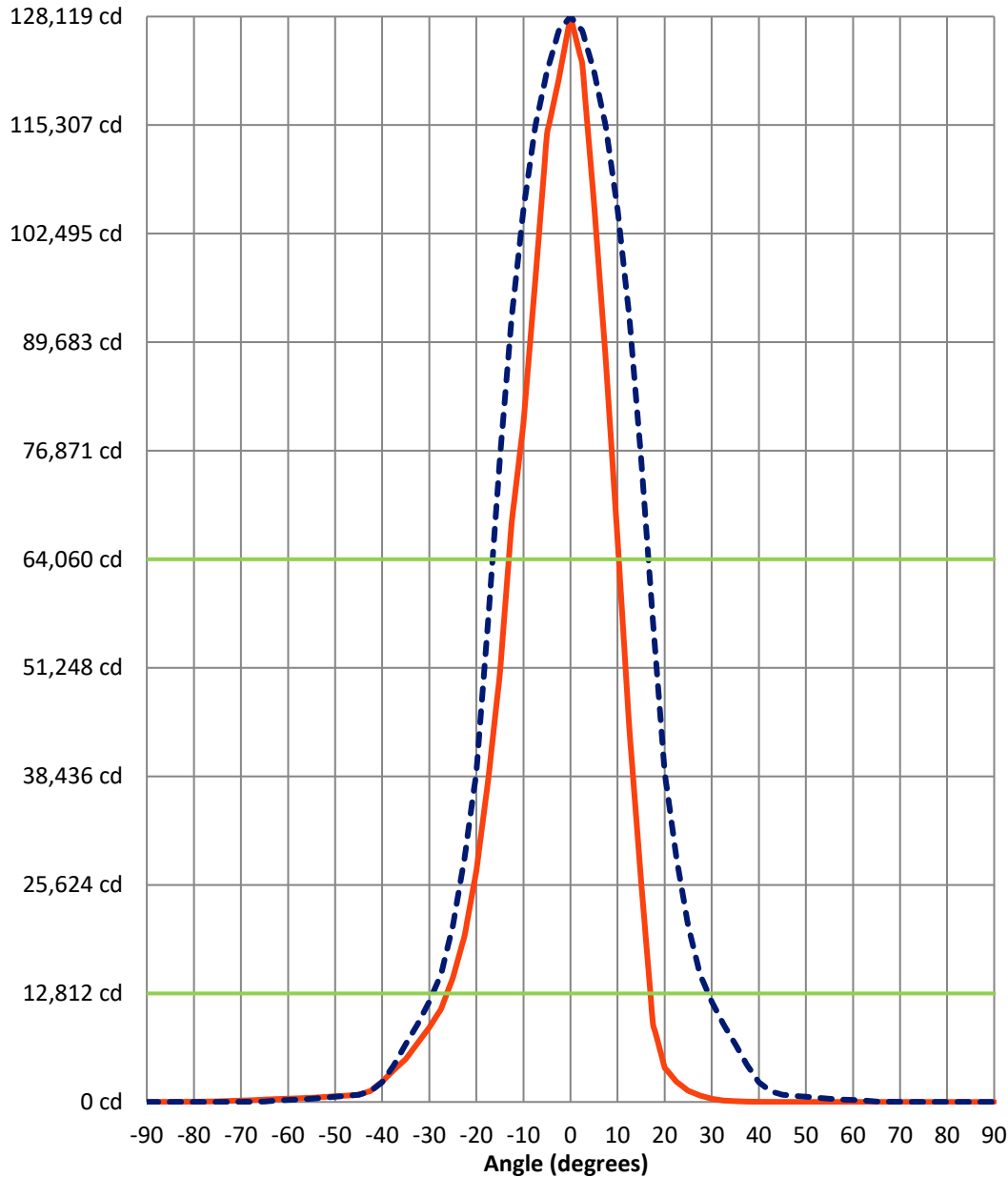
Luminous Intensity Polar Plot



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

REPORT NUMBER: P1306075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-50-80-4S-CV5-A

Luminous Intensity Plot



Beam:
 H Angle: 33.1°
 V Angle: 23.4°
 Lumens: 17112.4
 Efficiency: 50.6%

Field:
 H Angle: 58.5°
 V Angle: 43.2°
 Lumens: 29167.8
 Efficiency: 86.2%

Spill:
 Lumens: 4653.4
 Efficiency: 13.8%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 0-Deg

REPORT NUMBER: P1306075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-50-80-4S-CV5-A

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.7	5.2	5.8	5.5	5.3	5.0	4.7	5.0	5.3	5.5	5.8
87.5°	4.7	4.7	4.8	4.8	4.9	4.9	5.0	4.9	4.9	4.8	4.7
85°	4.7	4.8	4.9	5.0	5.1	5.2	5.3	5.2	5.1	4.9	4.7
82.5°	4.7	4.8	5.0	5.1	5.3	5.4	5.6	5.5	5.3	5.1	5.0
80°	4.7	4.9	5.1	5.3	5.5	5.6	5.8	5.6	5.5	5.4	5.5
77.5°	4.7	4.9	5.2	5.4	5.6	5.8	5.8	5.7	5.6	5.7	5.8
75°	4.7	5.0	5.3	5.6	5.8	5.8	5.8	5.8	5.8	5.8	5.8
72.5°	4.7	5.0	5.4	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8
70°	4.7	5.1	5.5	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
67.5°	4.7	5.1	5.5	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
65°	4.7	5.2	5.6	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
62.5°	4.7	5.2	5.7	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
60°	4.7	5.2	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
57.5°	4.7	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
55°	4.7	5.3	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
52.5°	4.7	5.4	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8
50°	4.7	5.4	5.8	5.8	5.8	5.8	5.8	5.9	5.8	5.8	6.3
47.5°	4.7	5.4	5.8	5.8	5.8	5.8	5.8	6.0	5.8	5.8	6.9
45°	4.7	5.5	5.8	5.8	5.8	5.8	5.9	6.1	5.9	6.2	7.3
42.5°	4.7	5.5	5.8	5.8	5.8	5.8	6.0	6.2	5.9	6.5	7.6
40°	4.7	5.5	5.8	5.8	5.8	5.8	6.2	6.2	6.1	6.8	7.9
37.5°	4.7	5.6	5.8	5.8	5.8	5.8	6.3	6.3	6.5	7.2	8.1
35°	4.7	5.6	5.8	5.8	5.8	5.9	6.5	6.4	6.8	7.7	8.3
32.5°	4.7	5.6	5.8	5.8	5.8	6.0	6.6	6.4	7.1	8.4	9.2
30°	4.7	5.7	5.8	5.8	5.8	6.1	6.7	6.6	7.4	9.1	10.2
27.5°	4.7	5.7	5.8	5.8	5.8	6.3	6.8	6.8	7.9	10.0	11.3
25°	4.7	5.7	5.8	5.8	5.8	6.4	6.8	7.1	8.5	10.9	12.6
22.5°	4.7	5.7	5.8	5.8	5.8	6.5	6.9	7.3	9.2	11.9	15.0
20°	4.7	5.7	5.8	5.8	5.8	6.6	7.0	7.5	9.9	13.0	17.6
17.5°	4.7	5.7	5.8	5.8	5.8	6.7	7.1	7.7	10.7	14.1	20.4
15°	4.7	5.8	5.8	5.8	5.8	6.8	7.2	8.1	11.4	15.2	23.2
12.5°	4.7	5.8	5.8	5.8	5.8	6.9	7.3	8.7	12.5	16.4	26.0
10°	4.7	5.8	5.8	5.8	5.8	6.9	7.5	9.3	13.8	18.8	29.8
7.5°	4.7	5.8	5.8	5.8	5.8	6.9	7.7	9.9	15.1	21.4	35.3
5°	4.7	5.8	5.8	5.8	5.8	7.0	7.9	10.5	16.4	24.1	40.9
2.5°	4.7	5.8	5.8	5.8	5.8	7.0	8.0	11.1	17.6	26.7	46.3
0°	4.7	5.8	5.8	5.8	5.8	7.0	8.2	11.7	18.7	29.2	51.4
-2.5°	4.7	5.8	5.8	5.8	5.8	7.1	9.0	13.3	22.0	35.4	60.7
-5°	4.7	5.8	5.8	5.8	5.8	7.2	9.7	14.9	25.2	41.2	69.4
-7.5°	4.7	5.8	5.8	5.8	5.8	7.3	10.4	16.3	28.1	46.6	77.3
-10°	4.7	5.8	5.8	5.8	5.8	7.4	10.9	17.6	30.6	51.3	84.2
-12.5°	4.7	5.8	5.8	5.8	5.8	7.4	11.4	18.7	32.7	55.4	90.3
-15°	4.7	5.8	5.8	5.8	5.8	7.4	11.8	19.6	34.7	59.3	95.4
-17.5°	4.7	5.8	5.8	5.8	5.8	7.4	12.0	20.5	36.6	62.3	99.1
-20°	4.7	5.7	5.8	5.8	5.8	7.4	12.2	21.4	37.7	64.3	101.5



REPORT NUMBER: P1306075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-50-80-4S-CV5-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.7	5.7	5.8	5.8	5.8	7.3	12.5	22.0	38.2	65.1	102.4
-25°	4.7	5.7	5.8	5.8	5.8	7.3	12.5	22.3	37.8	64.8	101.7
-27.5°	4.7	5.7	5.8	5.8	5.8	7.2	12.3	22.3	36.5	63.6	101.0
-30°	4.7	5.7	5.8	5.8	5.8	7.1	11.9	21.9	35.7	62.1	98.9
-32.5°	4.7	5.7	5.8	5.8	5.9	6.9	11.2	21.3	35.2	59.4	95.0
-35°	4.7	5.7	5.8	5.8	6.0	6.7	10.8	20.5	34.1	55.5	89.5
-37.5°	4.7	5.6	5.8	5.8	6.1	6.4	10.4	19.2	32.6	50.2	80.6
-40°	4.7	5.6	5.8	5.8	6.2	6.5	9.9	17.6	30.5	46.9	71.7
-42.5°	4.7	5.6	5.8	5.8	6.2	6.6	9.2	15.6	28.1	43.0	62.2
-45°	4.7	5.6	5.8	5.8	6.3	6.7	8.4	13.8	25.3	38.5	52.8
-47.5°	4.7	5.6	5.8	5.9	6.3	6.8	7.5	12.6	22.0	33.5	47.2
-50°	4.7	5.6	5.8	5.9	6.3	6.9	7.4	11.2	17.8	28.7	41.1
-52.5°	4.7	5.5	5.8	5.9	6.3	7.0	7.5	9.6	15.0	23.5	34.5
-55°	4.7	5.5	5.8	5.9	6.3	7.0	7.6	8.1	12.8	18.1	28.3
-57.5°	4.7	5.5	5.8	5.9	6.3	6.9	7.7	8.2	10.5	14.9	21.8
-60°	4.7	5.5	5.8	5.9	6.2	6.8	7.7	8.2	8.7	12.4	16.3
-62.5°	4.7	5.5	5.8	5.9	6.2	6.8	7.6	8.2	8.6	9.9	13.6
-65°	4.7	5.5	5.8	5.9	6.1	6.6	7.4	8.1	8.4	9.1	10.9
-67.5°	4.7	5.4	5.8	5.8	6.1	6.5	7.2	7.8	8.2	8.7	9.6
-70°	4.7	5.4	5.8	5.8	6.0	6.4	6.9	7.4	7.8	8.2	8.8
-72.5°	4.7	5.4	5.8	5.8	5.9	6.2	6.7	7.1	7.4	7.8	8.1
-75°	4.7	5.4	5.8	5.7	5.8	6.0	6.4	6.7	7.0	7.3	7.6
-77.5°	4.7	5.4	5.8	5.7	5.7	5.9	6.1	6.4	6.6	6.9	7.1
-80°	4.7	5.3	5.8	5.7	5.6	5.7	5.8	6.0	6.2	6.4	6.6
-82.5°	4.7	5.3	5.8	5.6	5.5	5.5	5.6	5.7	5.8	6.0	6.1
-85°	4.7	5.3	5.8	5.6	5.4	5.3	5.3	5.5	5.6	5.7	5.8
-87.5°	4.7	5.3	5.8	5.6	5.3	5.2	5.0	5.2	5.4	5.6	5.8
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7



REPORT NUMBER: P1306075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-50-80-4S-CV5-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	5.5	5.3	5.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
87.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.4	4.1	3.8
85°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.5	4.4	4.3
82.5°	5.0	5.0	4.9	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
80°	5.4	5.3	5.0	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
77.5°	5.6	5.3	5.0	4.8	4.7	4.7	4.7	4.7	4.7	4.7	4.7
75°	5.6	5.3	5.1	4.8	4.7	4.7	4.7	4.9	5.1	5.1	5.0
72.5°	5.6	5.4	5.1	4.8	4.9	5.2	5.5	5.7	6.0	6.2	6.3
70°	5.7	5.4	5.3	5.4	5.6	5.9	6.4	7.1	7.7	8.2	8.9
67.5°	5.7	5.6	5.6	5.9	6.3	6.9	7.6	9.2	10.8	11.7	12.7
65°	5.8	5.8	5.9	6.3	6.9	8.4	10.2	12.0	14.9	16.6	17.3
62.5°	5.8	5.9	6.2	7.1	8.7	10.6	12.9	16.1	20.1	22.7	22.9
60°	5.8	5.9	6.9	8.6	10.5	12.7	15.9	20.3	26.0	30.4	27.6
57.5°	5.8	6.5	8.2	9.9	11.9	14.5	18.7	24.3	29.7	35.5	30.4
55°	6.1	7.5	9.1	10.9	13.2	16.0	20.3	25.0	31.0	32.7	27.0
52.5°	6.9	8.3	9.6	11.6	14.1	16.6	19.4	23.5	25.4	25.7	21.4
50°	7.6	8.7	10.0	12.1	14.5	16.3	16.9	19.3	19.5	17.7	15.3
47.5°	8.0	9.0	10.1	12.3	14.6	15.6	15.4	14.8	13.5	12.5	9.8
45°	8.4	9.4	10.3	12.6	14.5	14.8	13.5	10.7	11.1	9.9	9.2
42.5°	8.7	9.7	11.2	13.1	14.2	14.1	12.2	11.3	10.5	10.3	10.0
40°	9.0	10.0	12.4	13.9	14.2	13.8	13.8	13.2	11.4	12.2	12.3
37.5°	9.2	11.1	13.9	16.3	14.7	15.5	16.5	16.8	15.9	15.5	17.1
35°	9.4	12.4	17.0	19.6	18.2	18.7	20.9	21.9	22.1	22.0	23.2
32.5°	10.2	13.7	21.1	23.7	24.4	24.7	26.3	28.6	31.1	32.2	30.8
30°	11.8	17.5	25.9	28.6	31.7	36.0	35.0	36.8	42.5	44.8	47.0
27.5°	14.5	22.5	30.6	35.3	40.7	50.6	54.2	50.6	55.5	60.1	67.2
25°	17.5	35.1	35.9	42.9	55.1	70.0	79.6	83.7	72.8	80.9	99.7
22.5°	24.3	51.6	54.9	51.0	71.6	93.8	112.6	122.7	121.4	113.5	138.8
20°	36.4	68.3	77.1	78.8	94.5	121.0	150.3	167.5	183.7	211.9	286.2
17.5°	50.5	86.8	100.7	114.9	143.5	166.9	192.0	217.5	256.0	340.1	592.0
15°	66.2	106.7	125.3	154.0	196.6	235.9	266.5	289.4	357.4	533.6	979.0
12.5°	82.9	127.7	150.7	195.5	252.7	308.4	351.9	397.9	512.2	858.8	1594.4
10°	100.0	149.3	176.6	238.4	310.6	383.2	439.6	508.9	687.6	1226.8	2266.0
7.5°	119.1	172.3	203.0	281.7	369.1	459.0	528.4	620.7	866.5	1598.8	2941.9
5°	137.6	196.5	231.1	319.1	418.4	525.7	611.4	731.2	1043.5	1959.4	3598.7
2.5°	154.6	219.9	258.6	353.3	459.9	576.3	668.0	797.4	1166.0	2196.3	4082.1
0°	169.5	242.0	285.2	384.6	498.0	623.1	721.3	858.1	1264.9	2339.3	4371.1
-2.5°	175.2	250.5	296.1	392.5	503.3	631.1	731.1	863.4	1295.2	2397.2	4413.6
-5°	178.4	257.0	305.7	397.7	505.1	634.2	736.9	863.3	1287.6	2347.0	4206.2
-7.5°	179.5	261.4	313.9	398.4	495.6	613.8	708.1	818.0	1186.2	2139.5	3758.9
-10°	178.5	260.7	311.5	383.7	470.9	578.0	669.4	768.5	1069.2	1879.2	3261.5
-12.5°	175.2	256.0	306.8	368.2	445.2	539.6	628.9	715.7	939.3	1569.4	2749.2
-15°	170.8	250.4	301.9	352.5	419.4	499.2	587.1	660.3	804.0	1238.8	2240.6
-17.5°	165.6	244.1	297.0	337.0	394.2	457.4	546.2	614.1	704.3	1028.1	1831.5
-20°	159.8	237.5	292.4	322.2	370.7	425.7	506.8	575.8	652.1	862.0	1392.7



REPORT NUMBER: P1306075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-50-80-4S-CV5-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	153.8	230.7	285.7	314.0	355.2	403.9	467.2	535.4	599.1	678.6	1020.2
-25°	150.8	220.8	275.8	308.4	340.8	382.7	428.9	492.9	549.7	626.2	823.3
-27.5°	149.4	211.4	264.1	302.1	326.7	363.4	401.6	451.0	516.1	583.7	655.1
-30°	145.9	197.5	252.1	293.4	317.7	347.6	379.6	421.6	483.8	546.2	609.3
-32.5°	137.3	182.8	236.6	279.5	309.5	332.7	363.8	402.3	452.3	509.6	566.2
-35°	126.2	169.9	219.0	265.6	300.2	322.7	351.0	384.0	423.1	474.5	535.1
-37.5°	115.1	155.5	200.6	248.9	285.0	314.8	337.3	367.3	401.3	442.0	501.6
-40°	102.8	139.7	183.0	228.2	270.6	303.2	328.3	351.0	380.4	420.3	463.0
-42.5°	89.6	124.7	164.3	206.7	248.8	286.2	318.1	339.5	364.4	399.0	437.9
-45°	78.3	108.4	144.5	183.5	223.3	264.3	298.3	329.4	352.2	378.5	413.1
-47.5°	66.5	91.9	124.8	158.9	196.3	234.9	274.5	307.5	339.6	363.6	388.1
-50°	55.4	78.1	103.4	135.1	168.1	204.0	240.9	280.0	313.7	344.7	371.5
-52.5°	47.8	63.7	86.0	111.1	140.7	171.9	206.5	242.3	279.4	314.6	342.4
-55°	39.7	53.2	68.9	90.2	114.0	141.5	171.2	204.2	236.9	271.4	303.1
-57.5°	31.9	43.4	55.7	70.6	90.7	112.2	138.4	165.9	195.8	225.4	250.5
-60°	24.1	34.1	45.0	56.2	68.5	87.3	106.3	129.5	154.9	179.4	201.6
-62.5°	16.9	25.2	34.7	44.7	54.7	64.4	79.7	97.0	114.3	135.0	154.4
-65°	14.1	17.5	24.5	33.3	42.4	51.4	60.1	68.7	83.0	97.7	111.3
-67.5°	11.2	14.3	17.5	21.8	29.8	37.8	46.2	54.0	61.6	69.0	77.5
-70°	9.9	11.2	13.7	16.7	19.6	23.7	30.7	38.0	45.5	53.0	59.6
-72.5°	9.0	10.2	11.3	12.5	15.0	17.5	19.9	22.3	27.0	33.5	40.1
-75°	8.2	9.1	10.2	11.3	12.3	13.3	14.6	16.8	18.9	21.1	23.3
-77.5°	7.5	8.1	8.9	9.9	10.8	11.6	12.5	13.4	14.4	15.5	16.6
-80°	6.8	7.0	7.4	8.0	8.7	9.5	10.3	11.0	11.7	12.5	13.3
-82.5°	6.3	6.4	6.5	6.7	7.0	7.4	8.0	8.6	9.0	9.4	9.9
-85°	5.8	5.8	5.9	6.0	6.1	6.3	6.5	6.8	6.9	7.1	7.2
-87.5°	5.7	5.5	5.4	5.3	5.4	5.4	5.4	5.5	5.5	5.5	5.6
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.4	4.1	3.8



REPORT NUMBER: P1306075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-50-80-4S-CV5-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.7	5.3	5.8	6.4	7.0	7.6	8.2	8.8	9.4	10.0	10.5
87.5°	3.5	3.5	3.5	3.5	3.5	3.2	2.9	2.6	2.3	2.0	1.8
85°	4.3	4.1	3.9	3.7	3.5	3.2	2.9	2.6	2.3	2.0	1.8
82.5°	4.7	4.4	4.1	3.8	3.5	3.2	2.9	2.6	2.3	2.0	1.8
80°	4.7	4.4	4.1	3.8	3.5	3.2	2.9	2.6	2.3	2.0	1.8
77.5°	4.7	4.5	4.2	3.9	3.6	3.3	3.0	2.6	2.3	2.3	2.3
75°	4.8	4.6	4.5	4.4	4.1	3.9	3.7	3.5	3.3	3.1	2.9
72.5°	6.5	6.4	6.3	6.1	5.8	5.5	5.3	4.9	4.5	4.3	4.0
70°	9.6	10.0	9.7	9.0	8.0	7.2	6.7	6.2	5.7	5.2	4.7
67.5°	13.3	13.3	12.4	11.1	9.5	8.0	7.4	6.7	6.1	5.7	5.7
65°	17.2	16.1	14.5	12.5	10.3	8.1	7.5	6.8	6.2	5.8	5.8
62.5°	21.6	18.0	14.5	12.0	9.9	8.1	7.2	6.4	5.6	5.0	4.9
60°	23.2	17.2	12.4	10.3	8.6	7.2	6.3	5.6	5.1	4.7	4.7
57.5°	22.5	15.4	10.0	8.3	7.0	6.1	5.5	4.9	4.4	3.9	3.8
55°	19.1	12.5	7.5	6.4	5.8	5.1	4.6	4.2	3.9	3.5	3.5
52.5°	14.1	9.6	6.7	5.6	5.3	5.0	4.7	4.5	4.4	4.3	4.2
50°	10.3	7.4	6.4	5.7	5.5	5.5	5.7	5.7	5.6	5.4	5.3
47.5°	8.4	7.3	6.5	5.9	6.0	6.6	6.8	6.8	6.7	6.6	6.4
45°	8.1	7.5	7.1	7.5	7.9	8.2	8.2	8.0	8.4	8.5	8.4
42.5°	9.0	9.1	9.7	10.3	9.9	10.6	11.3	11.3	11.8	12.2	12.2
40°	12.6	12.3	14.1	14.6	14.9	15.6	17.6	17.3	18.2	20.7	21.2
37.5°	18.1	19.1	20.3	21.4	24.5	26.5	30.4	33.5	35.2	39.9	43.5
35°	25.5	28.0	28.7	34.9	41.3	47.3	52.7	59.3	62.2	72.6	79.8
32.5°	36.1	41.3	48.4	58.7	70.8	85.2	84.6	106.5	114.4	135.7	160.3
30°	50.5	65.2	88.5	104.7	134.5	157.8	169.6	203.9	249.8	293.7	353.6
27.5°	82.1	113.0	155.2	210.9	240.0	275.2	328.5	369.4	474.4	574.6	648.2
25°	141.1	206.0	285.7	368.0	419.6	465.8	563.2	634.7	783.4	895.1	1054.5
22.5°	269.9	408.5	509.5	570.5	681.1	825.7	895.9	1092.4	1313.0	1594.7	1827.5
20°	454.8	673.0	897.8	1035.2	1161.4	1480.6	1620.4	1988.6	2457.6	2987.7	3429.5
17.5°	890.0	1089.3	1547.1	1993.1	2328.7	2643.8	3528.3	4160.1	5386.4	6887.2	7579.4
15°	1596.9	2154.0	2688.2	3497.3	4353.6	5306.2	6694.2	9090.4	12100.2	15382.0	18931.8
12.5°	2588.9	3605.8	4561.4	5579.9	6805.7	9146.5	12311.0	16496.2	21904.0	27706.1	34405.5
10°	3703.3	5250.8	6646.6	8184.3	10360.9	13838.5	18529.0	24985.2	34615.7	44459.9	52998.8
7.5°	4701.3	6575.5	8468.8	10694.5	14144.7	19111.4	25859.7	35940.2	48516.7	60699.0	71086.3
5°	5657.6	7847.1	10005.1	12657.8	17006.2	23488.3	32221.7	46051.1	61950.0	75467.2	86851.2
2.5°	6402.7	8842.1	11311.6	14431.5	19392.5	26767.8	36687.3	53425.8	72615.1	87606.3	100623.3
0°	6829.6	9168.9	11849.5	15082.0	20790.5	28824.2	38997.3	56820.8	75931.3	92591.0	105312.0
-2.5°	6746.0	9197.3	11937.8	15207.8	20618.7	28331.7	38360.2	55362.4	74383.2	89401.7	101728.2
-5°	6320.1	8562.8	10979.0	13847.9	18622.3	25650.4	35497.0	51474.5	69126.9	84149.0	96676.9
-7.5°	5656.0	7639.3	9742.6	12239.7	16277.5	22393.0	30856.7	43297.2	58937.4	72542.6	81932.5
-10°	4931.2	6676.2	8574.4	10834.1	14018.8	18813.0	25225.9	34212.6	47004.3	58341.2	67051.1
-12.5°	4244.0	5830.4	7481.6	9368.5	11779.0	15555.1	20429.0	27138.3	35384.1	44703.2	53599.8
-15°	3584.9	4978.0	6418.9	8165.6	10261.9	12823.8	16100.4	20614.5	26031.9	32139.8	38728.7
-17.5°	2957.5	4180.7	5536.4	7061.5	8793.8	10751.2	13499.1	16594.6	20033.8	24013.5	27786.7
-20°	2320.2	3450.5	4680.6	6038.4	7592.6	9377.0	11332.3	13657.4	16145.6	18864.7	21687.3



REPORT NUMBER: P1306075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-50-80-4S-CV5-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1770.8	2733.9	3810.2	5046.3	6505.5	8078.4	9595.1	11121.3	12962.1	14755.4	16556.5
-25°	1240.1	2003.8	3008.7	4190.3	5429.3	6743.9	7869.6	8945.3	10223.7	11373.4	12570.7
-27.5°	912.0	1436.8	2267.8	3315.8	4427.0	5328.7	6276.4	7158.7	8084.4	8814.1	9657.4
-30°	695.5	997.6	1615.2	2432.7	3324.1	4109.8	4841.2	5640.3	6401.4	7034.9	7565.1
-32.5°	634.3	749.4	1062.1	1631.5	2275.9	2973.1	3605.9	4301.4	4939.8	5466.8	5888.8
-35°	596.1	658.5	749.7	1037.2	1415.0	1965.4	2493.5	3063.1	3592.3	4026.9	4376.4
-37.5°	563.5	618.3	672.1	726.1	934.3	1166.4	1547.5	1959.8	2317.3	2714.7	3025.0
-40°	523.1	584.5	628.0	672.4	722.4	780.5	981.6	1162.2	1364.3	1644.9	1877.2
-42.5°	478.6	530.6	584.7	628.2	666.7	707.7	753.3	798.5	891.4	1009.4	1105.4
-45°	449.5	483.7	523.1	572.4	617.4	651.6	685.5	718.3	749.3	777.2	800.6
-47.5°	418.1	447.2	479.1	513.0	546.4	584.3	619.9	649.6	673.2	695.7	715.8
-50°	390.2	411.6	438.6	464.9	491.2	518.2	544.8	567.7	590.5	611.0	631.0
-52.5°	367.6	385.7	403.3	421.0	442.4	463.2	482.9	500.5	516.6	530.7	545.4
-55°	329.5	352.3	374.9	390.6	404.1	417.2	430.1	444.7	457.5	468.5	478.9
-57.5°	277.8	305.4	330.6	349.0	366.5	382.9	394.3	402.7	410.8	418.5	425.6
-60°	223.0	243.6	267.7	291.4	313.2	333.0	345.8	356.6	365.8	373.5	380.3
-62.5°	172.3	190.0	209.7	228.8	246.4	263.7	280.7	295.5	308.1	318.8	327.7
-65°	125.5	141.0	157.7	173.9	189.4	204.7	218.7	231.5	243.0	253.4	262.9
-67.5°	89.4	100.7	112.8	123.8	136.1	149.5	162.7	174.6	185.1	193.4	199.7
-70°	65.7	72.2	80.2	89.6	99.8	109.4	118.9	128.0	136.7	144.2	150.9
-72.5°	46.7	53.3	59.7	65.6	72.0	78.3	84.7	91.5	98.3	104.1	109.1
-75°	25.6	28.9	34.3	39.5	44.6	49.4	53.7	57.5	60.8	63.5	65.8
-77.5°	18.1	20.3	22.6	24.8	26.9	29.4	32.1	34.8	37.4	39.5	41.5
-80°	14.1	15.3	16.6	18.0	19.4	21.2	23.0	24.8	26.7	28.0	29.2
-82.5°	10.3	11.2	12.1	13.0	13.8	14.9	16.0	17.1	18.2	18.9	19.6
-85°	7.3	7.9	8.5	9.2	9.8	10.8	11.8	12.8	13.7	14.4	15.1
-87.5°	5.6	6.0	6.3	6.7	7.0	7.8	8.7	9.6	10.5	10.8	11.1
-90°	3.5	3.5	3.5	3.5	3.5	3.2	2.9	2.6	2.3	2.0	1.8



REPORT NUMBER: P1306075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-50-80-4S-CV5-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	11.1	11.7	11.7	11.7	11.7	11.7	11.1	10.5	10.0	9.4	8.8
87.5°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.0	2.3	2.6
85°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.0	2.3	2.6
82.5°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.0	2.3	2.6
80°	1.5	1.2	1.2	1.2	1.2	1.2	1.5	1.8	2.0	2.3	2.6
77.5°	2.3	2.3	1.8	1.2	1.8	2.3	2.3	2.3	2.3	2.3	2.6
75°	2.6	2.3	1.8	1.2	1.8	2.3	2.6	2.9	3.1	3.3	3.5
72.5°	3.8	3.5	3.5	3.5	3.5	3.5	3.8	4.0	4.3	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	5.8	5.8	5.8	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	6.2	6.8
62.5°	4.8	4.7	4.7	4.7	4.7	4.7	4.8	4.9	5.0	5.6	6.4
60°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	5.1	5.6
57.5°	3.6	3.6	3.5	3.5	3.5	3.6	3.6	3.8	3.9	4.4	4.9
55°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.9	4.2
52.5°	4.0	3.6	3.5	3.5	3.5	3.6	4.0	4.2	4.3	4.4	4.5
50°	5.0	4.8	4.7	4.7	4.7	4.8	5.0	5.3	5.4	5.6	5.7
47.5°	6.2	5.9	5.8	5.8	5.8	5.9	6.2	6.4	6.6	6.7	6.8
45°	8.0	7.4	7.0	7.0	7.0	7.4	8.0	8.4	8.5	8.4	8.0
42.5°	12.1	11.8	11.6	11.7	11.6	11.8	12.1	12.2	12.2	11.8	11.3
40°	22.2	22.8	23.1	23.4	23.1	22.8	22.2	21.2	20.7	18.2	17.3
37.5°	45.6	44.7	42.7	43.3	42.7	44.7	45.6	43.5	39.9	35.2	33.5
35°	84.6	89.6	93.3	95.9	93.3	89.6	84.6	79.8	72.6	62.2	59.3
32.5°	169.4	176.4	174.4	170.7	174.4	176.4	169.4	160.3	135.7	114.4	106.5
30°	388.9	409.2	403.8	379.9	403.8	409.2	388.9	353.6	293.7	249.8	203.9
27.5°	701.1	750.1	782.1	765.7	782.1	750.1	701.1	648.2	574.6	474.4	369.4
25°	1192.0	1287.2	1355.5	1326.9	1355.5	1287.2	1192.0	1054.5	895.1	783.4	634.7
22.5°	2119.4	2275.9	2368.8	2393.1	2368.8	2275.9	2119.4	1827.5	1594.7	1313.0	1092.4
20°	3985.3	4110.0	4134.7	4073.0	4134.7	4110.0	3985.3	3429.5	2987.7	2457.6	1988.6
17.5°	9589.2	10165.1	9742.9	9299.8	9742.9	10165.1	9589.2	7579.4	6887.2	5386.4	4160.1
15°	21935.6	24367.8	25753.3	26036.0	25753.3	24367.8	21935.6	18931.8	15382.0	12100.2	9090.4
12.5°	38651.7	42571.3	44188.8	44037.8	44188.8	42571.3	38651.7	34405.5	27706.1	21904.0	16496.2
10°	58476.2	62666.7	66272.3	66308.8	66272.3	62666.7	58476.2	52998.8	44459.9	34615.7	24985.2
7.5°	78296.1	83128.9	86520.9	87488.6	86520.9	83128.9	78296.1	71086.3	60699.0	48516.7	35940.2
5°	95647.2	101630.4	104997.9	106026.3	104997.9	101630.4	95647.2	86851.2	75467.2	61950.0	46051.1
2.5°	110902.2	118231.9	121925.3	122499.5	121925.3	118231.9	110902.2	100623.3	87606.3	72615.1	53425.8
0°	115099.4	121633.2	126416.4	128119.1	126416.4	121633.2	115099.4	105312.0	92591.0	75931.3	56820.8
-2.5°	110961.5	116677.9	119528.7	120717.8	119528.7	116677.9	110961.5	101728.2	89401.7	74383.2	55362.4
-5°	104420.9	109755.6	113386.4	114227.2	113386.4	109755.6	104420.9	96676.9	84149.0	69126.9	51474.5
-7.5°	88125.6	93376.5	95007.9	96857.4	95007.9	93376.5	88125.6	81932.5	72542.6	58937.4	43297.2
-10°	73630.7	77715.5	78839.0	80149.3	78839.0	77715.5	73630.7	67051.1	58341.2	47004.3	34212.6
-12.5°	60923.1	64969.2	66801.0	68368.7	66801.0	64969.2	60923.1	53599.8	44703.2	35384.1	27138.3
-15°	44634.4	48437.3	49750.9	50599.0	49750.9	48437.3	44634.4	38728.7	32139.8	26031.9	20614.5
-17.5°	32332.4	35228.6	36949.7	37947.5	36949.7	35228.6	32332.4	27786.7	24013.5	20033.8	16594.6
-20°	24168.4	25828.1	27161.4	27308.0	27161.4	25828.1	24168.4	21687.3	18864.7	16145.6	13657.4



REPORT NUMBER: P1306075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-50-80-4S-CV5-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	18065.5	19054.1	19667.9	19630.8	19667.9	19054.1	18065.5	16556.5	14755.4	12962.1	11121.3
-25°	13483.8	14148.4	14571.1	14647.1	14571.1	14148.4	13483.8	12570.7	11373.4	10223.7	8945.3
-27.5°	10261.1	10729.1	10971.6	10984.4	10971.6	10729.1	10261.1	9657.4	8814.1	8084.4	7158.7
-30°	7949.8	8339.6	8598.1	8796.0	8598.1	8339.6	7949.8	7565.1	7034.9	6401.4	5640.3
-32.5°	6243.5	6576.2	6801.7	6936.0	6801.7	6576.2	6243.5	5888.8	5466.8	4939.8	4301.4
-35°	4680.8	4947.2	5106.6	5066.7	5106.6	4947.2	4680.8	4376.4	4026.9	3592.3	3063.1
-37.5°	3298.3	3524.2	3684.9	3786.6	3684.9	3524.2	3298.3	3025.0	2714.7	2317.3	1959.8
-40°	2078.3	2234.5	2345.6	2416.4	2345.6	2234.5	2078.3	1877.2	1644.9	1364.3	1162.2
-42.5°	1183.6	1242.0	1281.3	1302.3	1281.3	1242.0	1183.6	1105.4	1009.4	891.4	798.5
-45°	818.6	833.2	843.8	849.9	843.8	833.2	818.6	800.6	777.2	749.3	718.3
-47.5°	731.5	743.5	751.3	755.2	751.3	743.5	731.5	715.8	695.7	673.2	649.6
-50°	649.0	663.6	672.5	675.7	672.5	663.6	649.0	631.0	611.0	590.5	567.7
-52.5°	559.2	571.1	579.1	583.4	579.1	571.1	559.2	545.4	530.7	516.6	500.5
-55°	488.0	495.6	499.5	500.4	499.5	495.6	488.0	478.9	468.5	457.5	444.7
-57.5°	431.6	436.5	440.4	443.1	440.4	436.5	431.6	425.6	418.5	410.8	402.7
-60°	385.8	390.0	392.2	392.8	392.2	390.0	385.8	380.3	373.5	365.8	356.6
-62.5°	334.5	339.5	343.3	346.0	343.3	339.5	334.5	327.7	318.8	308.1	295.5
-65°	271.6	279.2	283.2	285.2	283.2	279.2	271.6	262.9	253.4	243.0	231.5
-67.5°	204.7	208.5	209.5	209.3	209.5	208.5	204.7	199.7	193.4	185.1	174.6
-70°	157.2	162.9	165.0	166.0	165.0	162.9	157.2	150.9	144.2	136.7	128.0
-72.5°	113.6	117.6	120.0	121.6	120.0	117.6	113.6	109.1	104.1	98.3	91.5
-75°	67.8	69.5	70.5	71.3	70.5	69.5	67.8	65.8	63.5	60.8	57.5
-77.5°	43.4	45.3	46.1	46.8	46.1	45.3	43.4	41.5	39.5	37.4	34.8
-80°	30.3	31.4	31.6	31.6	31.6	31.4	30.3	29.2	28.0	26.7	24.8
-82.5°	20.3	20.9	21.0	21.0	21.0	20.9	20.3	19.6	18.9	18.2	17.1
-85°	15.7	16.4	16.4	16.4	16.4	16.4	15.7	15.1	14.4	13.7	12.8
-87.5°	11.4	11.7	12.3	12.9	12.3	11.7	11.4	11.1	10.8	10.5	9.6
-90°	1.5	1.2	0.6	0.0	0.6	1.2	1.5	1.8	2.0	2.3	2.6



REPORT NUMBER: P1306075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-50-80-4S-CV5-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	8.2	7.6	7.0	6.4	5.8	5.3	4.7	4.7	4.7	4.7	4.7
87.5°	2.9	3.2	3.5	3.5	3.5	3.5	3.5	3.8	4.1	4.4	4.7
85°	2.9	3.2	3.5	3.7	3.9	4.1	4.3	4.3	4.4	4.5	4.7
82.5°	2.9	3.2	3.5	3.8	4.1	4.4	4.7	4.7	4.7	4.7	4.7
80°	2.9	3.2	3.5	3.8	4.1	4.4	4.7	4.7	4.7	4.7	4.7
77.5°	3.0	3.3	3.6	3.9	4.2	4.5	4.7	4.7	4.7	4.7	4.7
75°	3.7	3.9	4.1	4.4	4.5	4.6	4.8	5.0	5.1	5.1	4.9
72.5°	5.3	5.5	5.8	6.1	6.3	6.4	6.5	6.3	6.2	6.0	5.7
70°	6.7	7.2	8.0	9.0	9.7	10.0	9.6	8.9	8.2	7.7	7.1
67.5°	7.4	8.0	9.5	11.1	12.4	13.3	13.3	12.7	11.7	10.8	9.2
65°	7.5	8.1	10.3	12.5	14.5	16.1	17.2	17.3	16.6	14.9	12.0
62.5°	7.2	8.1	9.9	12.0	14.5	18.0	21.6	22.9	22.7	20.1	16.1
60°	6.3	7.2	8.6	10.3	12.4	17.2	23.2	27.6	30.4	26.0	20.3
57.5°	5.5	6.1	7.0	8.3	10.0	15.4	22.5	30.4	35.5	29.7	24.3
55°	4.6	5.1	5.8	6.4	7.5	12.5	19.1	27.0	32.7	31.0	25.0
52.5°	4.7	5.0	5.3	5.6	6.7	9.6	14.1	21.4	25.7	25.4	23.5
50°	5.7	5.5	5.5	5.7	6.4	7.4	10.3	15.3	17.7	19.5	19.3
47.5°	6.8	6.6	6.0	5.9	6.5	7.3	8.4	9.8	12.5	13.5	14.8
45°	8.2	8.2	7.9	7.5	7.1	7.5	8.1	9.2	9.9	11.1	10.7
42.5°	11.3	10.6	9.9	10.3	9.7	9.1	9.0	10.0	10.3	10.5	11.3
40°	17.6	15.6	14.9	14.6	14.1	12.3	12.6	12.3	12.2	11.4	13.2
37.5°	30.4	26.5	24.5	21.4	20.3	19.1	18.1	17.1	15.5	15.9	16.8
35°	52.7	47.3	41.3	34.9	28.7	28.0	25.5	23.2	22.0	22.1	21.9
32.5°	84.6	85.2	70.8	58.7	48.4	41.3	36.1	30.8	32.2	31.1	28.6
30°	169.6	157.8	134.5	104.7	88.5	65.2	50.5	47.0	44.8	42.5	36.8
27.5°	328.5	275.2	240.0	210.9	155.2	113.0	82.1	67.2	60.1	55.5	50.6
25°	563.2	465.8	419.6	368.0	285.7	206.0	141.1	99.7	80.9	72.8	83.7
22.5°	895.9	825.7	681.1	570.5	509.5	408.5	269.9	138.8	113.5	121.4	122.7
20°	1620.4	1480.6	1161.4	1035.2	897.8	673.0	454.8	286.2	211.9	183.7	167.5
17.5°	3528.3	2643.8	2328.7	1993.1	1547.1	1089.3	890.0	592.0	340.1	256.0	217.5
15°	6694.2	5306.2	4353.6	3497.3	2688.2	2154.0	1596.9	979.0	533.6	357.4	289.4
12.5°	12311.0	9146.5	6805.7	5579.9	4561.4	3605.8	2588.9	1594.4	858.8	512.2	397.9
10°	18529.0	13838.5	10360.9	8184.3	6646.6	5250.8	3703.3	2266.0	1226.8	687.6	508.9
7.5°	25859.7	19111.4	14144.7	10694.5	8468.8	6575.5	4701.3	2941.9	1598.8	866.5	620.7
5°	32221.7	23488.3	17006.2	12657.8	10005.1	7847.1	5657.6	3598.7	1959.4	1043.5	731.2
2.5°	36687.3	26767.8	19392.5	14431.5	11311.6	8842.1	6402.7	4082.1	2196.3	1166.0	797.4
0°	38997.3	28824.2	20790.5	15082.0	11849.5	9168.9	6829.6	4371.1	2339.3	1264.9	858.1
-2.5°	38360.2	28331.7	20618.7	15207.8	11937.8	9197.3	6746.0	4413.6	2397.2	1295.2	863.4
-5°	35497.0	25650.4	18622.3	13847.9	10979.0	8562.8	6320.1	4206.2	2347.0	1287.6	863.3
-7.5°	30856.7	22393.0	16277.5	12239.7	9742.6	7639.3	5656.0	3758.9	2139.5	1186.2	818.0
-10°	25225.9	18813.0	14018.8	10834.1	8574.4	6676.2	4931.2	3261.5	1879.2	1069.2	768.5
-12.5°	20429.0	15555.1	11779.0	9368.5	7481.6	5830.4	4244.0	2749.2	1569.4	939.3	715.7
-15°	16100.4	12823.8	10261.9	8165.6	6418.9	4978.0	3584.9	2240.6	1238.8	804.0	660.3
-17.5°	13499.1	10751.2	8793.8	7061.5	5536.4	4180.7	2957.5	1831.5	1028.1	704.3	614.1
-20°	11332.3	9377.0	7592.6	6038.4	4680.6	3450.5	2320.2	1392.7	862.0	652.1	575.8



REPORT NUMBER: P1306075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-50-80-4S-CV5-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9595.1	8078.4	6505.5	5046.3	3810.2	2733.9	1770.8	1020.2	678.6	599.1	535.4
-25°	7869.6	6743.9	5429.3	4190.3	3008.7	2003.8	1240.1	823.3	626.2	549.7	492.9
-27.5°	6276.4	5328.7	4427.0	3315.8	2267.8	1436.8	912.0	655.1	583.7	516.1	451.0
-30°	4841.2	4109.8	3324.1	2432.7	1615.2	997.6	695.5	609.3	546.2	483.8	421.6
-32.5°	3605.9	2973.1	2275.9	1631.5	1062.1	749.4	634.3	566.2	509.6	452.3	402.3
-35°	2493.5	1965.4	1415.0	1037.2	749.7	658.5	596.1	535.1	474.5	423.1	384.0
-37.5°	1547.5	1166.4	934.3	726.1	672.1	618.3	563.5	501.6	442.0	401.3	367.3
-40°	981.6	780.5	722.4	672.4	628.0	584.5	523.1	463.0	420.3	380.4	351.0
-42.5°	753.3	707.7	666.7	628.2	584.7	530.6	478.6	437.9	399.0	364.4	339.5
-45°	685.5	651.6	617.4	572.4	523.1	483.7	449.5	413.1	378.5	352.2	329.4
-47.5°	619.9	584.3	546.4	513.0	479.1	447.2	418.1	388.1	363.6	339.6	307.5
-50°	544.8	518.2	491.2	464.9	438.6	411.6	390.2	371.5	344.7	313.7	280.0
-52.5°	482.9	463.2	442.4	421.0	403.3	385.7	367.6	342.4	314.6	279.4	242.3
-55°	430.1	417.2	404.1	390.6	374.9	352.3	329.5	303.1	271.4	236.9	204.2
-57.5°	394.3	382.9	366.5	349.0	330.6	305.4	277.8	250.5	225.4	195.8	165.9
-60°	345.8	333.0	313.2	291.4	267.7	243.6	223.0	201.6	179.4	154.9	129.5
-62.5°	280.7	263.7	246.4	228.8	209.7	190.0	172.3	154.4	135.0	114.3	97.0
-65°	218.7	204.7	189.4	173.9	157.7	141.0	125.5	111.3	97.7	83.0	68.7
-67.5°	162.7	149.5	136.1	123.8	112.8	100.7	89.4	77.5	69.0	61.6	54.0
-70°	118.9	109.4	99.8	89.6	80.2	72.2	65.7	59.6	53.0	45.5	38.0
-72.5°	84.7	78.3	72.0	65.6	59.7	53.3	46.7	40.1	33.5	27.0	22.3
-75°	53.7	49.4	44.6	39.5	34.3	28.9	25.6	23.3	21.1	18.9	16.8
-77.5°	32.1	29.4	26.9	24.8	22.6	20.3	18.1	16.6	15.5	14.4	13.4
-80°	23.0	21.2	19.4	18.0	16.6	15.3	14.1	13.3	12.5	11.7	11.0
-82.5°	16.0	14.9	13.8	13.0	12.1	11.2	10.3	9.9	9.4	9.0	8.6
-85°	11.8	10.8	9.8	9.2	8.5	7.9	7.3	7.2	7.1	6.9	6.8
-87.5°	8.7	7.8	7.0	6.7	6.3	6.0	5.6	5.6	5.5	5.5	5.5
-90°	2.9	3.2	3.5	3.5	3.5	3.5	3.5	3.8	4.1	4.4	4.7



REPORT NUMBER: P1306075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-50-80-4S-CV5-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	4.7	4.7	4.7	4.7	5.0	5.3	5.5	5.8	5.5	5.3	5.0
87.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.8	4.9	4.9
85°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.9	5.1	5.2
82.5°	4.7	4.7	4.7	4.7	4.9	5.0	5.0	5.0	5.1	5.3	5.5
80°	4.7	4.7	4.7	4.7	5.0	5.3	5.4	5.5	5.4	5.5	5.6
77.5°	4.7	4.7	4.7	4.8	5.0	5.3	5.6	5.8	5.7	5.6	5.7
75°	4.7	4.7	4.7	4.8	5.1	5.3	5.6	5.8	5.8	5.8	5.8
72.5°	5.5	5.2	4.9	4.8	5.1	5.4	5.6	5.8	5.8	5.8	5.8
70°	6.4	5.9	5.6	5.4	5.3	5.4	5.7	5.8	5.8	5.8	5.8
67.5°	7.6	6.9	6.3	5.9	5.6	5.6	5.7	5.8	5.8	5.8	5.8
65°	10.2	8.4	6.9	6.3	5.9	5.8	5.8	5.8	5.8	5.8	5.8
62.5°	12.9	10.6	8.7	7.1	6.2	5.9	5.8	5.8	5.8	5.8	5.8
60°	15.9	12.7	10.5	8.6	6.9	5.9	5.8	5.8	5.8	5.8	5.8
57.5°	18.7	14.5	11.9	9.9	8.2	6.5	5.8	5.8	5.8	5.8	5.8
55°	20.3	16.0	13.2	10.9	9.1	7.5	6.1	5.8	5.8	5.8	5.8
52.5°	19.4	16.6	14.1	11.6	9.6	8.3	6.9	5.8	5.8	5.8	5.8
50°	16.9	16.3	14.5	12.1	10.0	8.7	7.6	6.3	5.8	5.8	5.9
47.5°	15.4	15.6	14.6	12.3	10.1	9.0	8.0	6.9	5.8	5.8	6.0
45°	13.5	14.8	14.5	12.6	10.3	9.4	8.4	7.3	6.2	5.9	6.1
42.5°	12.2	14.1	14.2	13.1	11.2	9.7	8.7	7.6	6.5	5.9	6.2
40°	13.8	13.8	14.2	13.9	12.4	10.0	9.0	7.9	6.8	6.1	6.2
37.5°	16.5	15.5	14.7	16.3	13.9	11.1	9.2	8.1	7.2	6.5	6.3
35°	20.9	18.7	18.2	19.6	17.0	12.4	9.4	8.3	7.7	6.8	6.4
32.5°	26.3	24.7	24.4	23.7	21.1	13.7	10.2	9.2	8.4	7.1	6.4
30°	35.0	36.0	31.7	28.6	25.9	17.5	11.8	10.2	9.1	7.4	6.6
27.5°	54.2	50.6	40.7	35.3	30.6	22.5	14.5	11.3	10.0	7.9	6.8
25°	79.6	70.0	55.1	42.9	35.9	35.1	17.5	12.6	10.9	8.5	7.1
22.5°	112.6	93.8	71.6	51.0	54.9	51.6	24.3	15.0	11.9	9.2	7.3
20°	150.3	121.0	94.5	78.8	77.1	68.3	36.4	17.6	13.0	9.9	7.5
17.5°	192.0	166.9	143.5	114.9	100.7	86.8	50.5	20.4	14.1	10.7	7.7
15°	266.5	235.9	196.6	154.0	125.3	106.7	66.2	23.2	15.2	11.4	8.1
12.5°	351.9	308.4	252.7	195.5	150.7	127.7	82.9	26.0	16.4	12.5	8.7
10°	439.6	383.2	310.6	238.4	176.6	149.3	100.0	29.8	18.8	13.8	9.3
7.5°	528.4	459.0	369.1	281.7	203.0	172.3	119.1	35.3	21.4	15.1	9.9
5°	611.4	525.7	418.4	319.1	231.1	196.5	137.6	40.9	24.1	16.4	10.5
2.5°	668.0	576.3	459.9	353.3	258.6	219.9	154.6	46.3	26.7	17.6	11.1
0°	721.3	623.1	498.0	384.6	285.2	242.0	169.5	51.4	29.2	18.7	11.7
-2.5°	731.1	631.1	503.3	392.5	296.1	250.5	175.2	60.7	35.4	22.0	13.3
-5°	736.9	634.2	505.1	397.7	305.7	257.0	178.4	69.4	41.2	25.2	14.9
-7.5°	708.1	613.8	495.6	398.4	313.9	261.4	179.5	77.3	46.6	28.1	16.3
-10°	669.4	578.0	470.9	383.7	311.5	260.7	178.5	84.2	51.3	30.6	17.6
-12.5°	628.9	539.6	445.2	368.2	306.8	256.0	175.2	90.3	55.4	32.7	18.7
-15°	587.1	499.2	419.4	352.5	301.9	250.4	170.8	95.4	59.3	34.7	19.6
-17.5°	546.2	457.4	394.2	337.0	297.0	244.1	165.6	99.1	62.3	36.6	20.5
-20°	506.8	425.7	370.7	322.2	292.4	237.5	159.8	101.5	64.3	37.7	21.4



REPORT NUMBER: P1306075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-50-80-4S-CV5-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	467.2	403.9	355.2	314.0	285.7	230.7	153.8	102.4	65.1	38.2	22.0
-25°	428.9	382.7	340.8	308.4	275.8	220.8	150.8	101.7	64.8	37.8	22.3
-27.5°	401.6	363.4	326.7	302.1	264.1	211.4	149.4	101.0	63.6	36.5	22.3
-30°	379.6	347.6	317.7	293.4	252.1	197.5	145.9	98.9	62.1	35.7	21.9
-32.5°	363.8	332.7	309.5	279.5	236.6	182.8	137.3	95.0	59.4	35.2	21.3
-35°	351.0	322.7	300.2	265.6	219.0	169.9	126.2	89.5	55.5	34.1	20.5
-37.5°	337.3	314.8	285.0	248.9	200.6	155.5	115.1	80.6	50.2	32.6	19.2
-40°	328.3	303.2	270.6	228.2	183.0	139.7	102.8	71.7	46.9	30.5	17.6
-42.5°	318.1	286.2	248.8	206.7	164.3	124.7	89.6	62.2	43.0	28.1	15.6
-45°	298.3	264.3	223.3	183.5	144.5	108.4	78.3	52.8	38.5	25.3	13.8
-47.5°	274.5	234.9	196.3	158.9	124.8	91.9	66.5	47.2	33.5	22.0	12.6
-50°	240.9	204.0	168.1	135.1	103.4	78.1	55.4	41.1	28.7	17.8	11.2
-52.5°	206.5	171.9	140.7	111.1	86.0	63.7	47.8	34.5	23.5	15.0	9.6
-55°	171.2	141.5	114.0	90.2	68.9	53.2	39.7	28.3	18.1	12.8	8.1
-57.5°	138.4	112.2	90.7	70.6	55.7	43.4	31.9	21.8	14.9	10.5	8.2
-60°	106.3	87.3	68.5	56.2	45.0	34.1	24.1	16.3	12.4	8.7	8.2
-62.5°	79.7	64.4	54.7	44.7	34.7	25.2	16.9	13.6	9.9	8.6	8.2
-65°	60.1	51.4	42.4	33.3	24.5	17.5	14.1	10.9	9.1	8.4	8.1
-67.5°	46.2	37.8	29.8	21.8	17.5	14.3	11.2	9.6	8.7	8.2	7.8
-70°	30.7	23.7	19.6	16.7	13.7	11.2	9.9	8.8	8.2	7.8	7.4
-72.5°	19.9	17.5	15.0	12.5	11.3	10.2	9.0	8.1	7.8	7.4	7.1
-75°	14.6	13.3	12.3	11.3	10.2	9.1	8.2	7.6	7.3	7.0	6.7
-77.5°	12.5	11.6	10.8	9.9	8.9	8.1	7.5	7.1	6.9	6.6	6.4
-80°	10.3	9.5	8.7	8.0	7.4	7.0	6.8	6.6	6.4	6.2	6.0
-82.5°	8.0	7.4	7.0	6.7	6.5	6.4	6.3	6.1	6.0	5.8	5.7
-85°	6.5	6.3	6.1	6.0	5.9	5.8	5.8	5.8	5.7	5.6	5.5
-87.5°	5.4	5.4	5.4	5.3	5.4	5.5	5.7	5.8	5.6	5.4	5.2
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7



REPORT NUMBER: P1306075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-50-80-4S-CV5-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.7	5.0	5.3	5.5	5.8	5.2	4.7
87.5°	5.0	4.9	4.9	4.8	4.8	4.7	4.7
85°	5.3	5.2	5.1	5.0	4.9	4.8	4.7
82.5°	5.6	5.4	5.3	5.1	5.0	4.8	4.7
80°	5.8	5.6	5.5	5.3	5.1	4.9	4.7
77.5°	5.8	5.8	5.6	5.4	5.2	4.9	4.7
75°	5.8	5.8	5.8	5.6	5.3	5.0	4.7
72.5°	5.8	5.8	5.8	5.7	5.4	5.0	4.7
70°	5.8	5.8	5.8	5.8	5.5	5.1	4.7
67.5°	5.8	5.8	5.8	5.8	5.5	5.1	4.7
65°	5.8	5.8	5.8	5.8	5.6	5.2	4.7
62.5°	5.8	5.8	5.8	5.8	5.7	5.2	4.7
60°	5.8	5.8	5.8	5.8	5.8	5.2	4.7
57.5°	5.8	5.8	5.8	5.8	5.8	5.3	4.7
55°	5.8	5.8	5.8	5.8	5.8	5.3	4.7
52.5°	5.8	5.8	5.8	5.8	5.8	5.4	4.7
50°	5.8	5.8	5.8	5.8	5.8	5.4	4.7
47.5°	5.8	5.8	5.8	5.8	5.8	5.4	4.7
45°	5.9	5.8	5.8	5.8	5.8	5.5	4.7
42.5°	6.0	5.8	5.8	5.8	5.8	5.5	4.7
40°	6.2	5.8	5.8	5.8	5.8	5.5	4.7
37.5°	6.3	5.8	5.8	5.8	5.8	5.6	4.7
35°	6.5	5.9	5.8	5.8	5.8	5.6	4.7
32.5°	6.6	6.0	5.8	5.8	5.8	5.6	4.7
30°	6.7	6.1	5.8	5.8	5.8	5.7	4.7
27.5°	6.8	6.3	5.8	5.8	5.8	5.7	4.7
25°	6.8	6.4	5.8	5.8	5.8	5.7	4.7
22.5°	6.9	6.5	5.8	5.8	5.8	5.7	4.7
20°	7.0	6.6	5.8	5.8	5.8	5.7	4.7
17.5°	7.1	6.7	5.8	5.8	5.8	5.7	4.7
15°	7.2	6.8	5.8	5.8	5.8	5.8	4.7
12.5°	7.3	6.9	5.8	5.8	5.8	5.8	4.7
10°	7.5	6.9	5.8	5.8	5.8	5.8	4.7
7.5°	7.7	6.9	5.8	5.8	5.8	5.8	4.7
5°	7.9	7.0	5.8	5.8	5.8	5.8	4.7
2.5°	8.0	7.0	5.8	5.8	5.8	5.8	4.7
0°	8.2	7.0	5.8	5.8	5.8	5.8	4.7
-2.5°	9.0	7.1	5.8	5.8	5.8	5.8	4.7
-5°	9.7	7.2	5.8	5.8	5.8	5.8	4.7
-7.5°	10.4	7.3	5.8	5.8	5.8	5.8	4.7
-10°	10.9	7.4	5.8	5.8	5.8	5.8	4.7
-12.5°	11.4	7.4	5.8	5.8	5.8	5.8	4.7
-15°	11.8	7.4	5.8	5.8	5.8	5.8	4.7
-17.5°	12.0	7.4	5.8	5.8	5.8	5.8	4.7
-20°	12.2	7.4	5.8	5.8	5.8	5.7	4.7



REPORT NUMBER: P1306075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-50-80-4S-CV5-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	12.5	7.3	5.8	5.8	5.8	5.7	4.7
-25°	12.5	7.3	5.8	5.8	5.8	5.7	4.7
-27.5°	12.3	7.2	5.8	5.8	5.8	5.7	4.7
-30°	11.9	7.1	5.8	5.8	5.8	5.7	4.7
-32.5°	11.2	6.9	5.9	5.8	5.8	5.7	4.7
-35°	10.8	6.7	6.0	5.8	5.8	5.7	4.7
-37.5°	10.4	6.4	6.1	5.8	5.8	5.6	4.7
-40°	9.9	6.5	6.2	5.8	5.8	5.6	4.7
-42.5°	9.2	6.6	6.2	5.8	5.8	5.6	4.7
-45°	8.4	6.7	6.3	5.8	5.8	5.6	4.7
-47.5°	7.5	6.8	6.3	5.9	5.8	5.6	4.7
-50°	7.4	6.9	6.3	5.9	5.8	5.6	4.7
-52.5°	7.5	7.0	6.3	5.9	5.8	5.5	4.7
-55°	7.6	7.0	6.3	5.9	5.8	5.5	4.7
-57.5°	7.7	6.9	6.3	5.9	5.8	5.5	4.7
-60°	7.7	6.8	6.2	5.9	5.8	5.5	4.7
-62.5°	7.6	6.8	6.2	5.9	5.8	5.5	4.7
-65°	7.4	6.6	6.1	5.9	5.8	5.5	4.7
-67.5°	7.2	6.5	6.1	5.8	5.8	5.4	4.7
-70°	6.9	6.4	6.0	5.8	5.8	5.4	4.7
-72.5°	6.7	6.2	5.9	5.8	5.8	5.4	4.7
-75°	6.4	6.0	5.8	5.7	5.8	5.4	4.7
-77.5°	6.1	5.9	5.7	5.7	5.8	5.4	4.7
-80°	5.8	5.7	5.6	5.7	5.8	5.3	4.7
-82.5°	5.6	5.5	5.5	5.6	5.8	5.3	4.7
-85°	5.3	5.3	5.4	5.6	5.8	5.3	4.7
-87.5°	5.0	5.2	5.3	5.6	5.8	5.3	4.7
-90°	4.7	4.7	4.7	4.7	4.7	4.7	4.7

(END OF REPORT)