

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: P1306014 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-40-80-1S-CV2-A**

Issue Date: 2/3/2026

Test Information

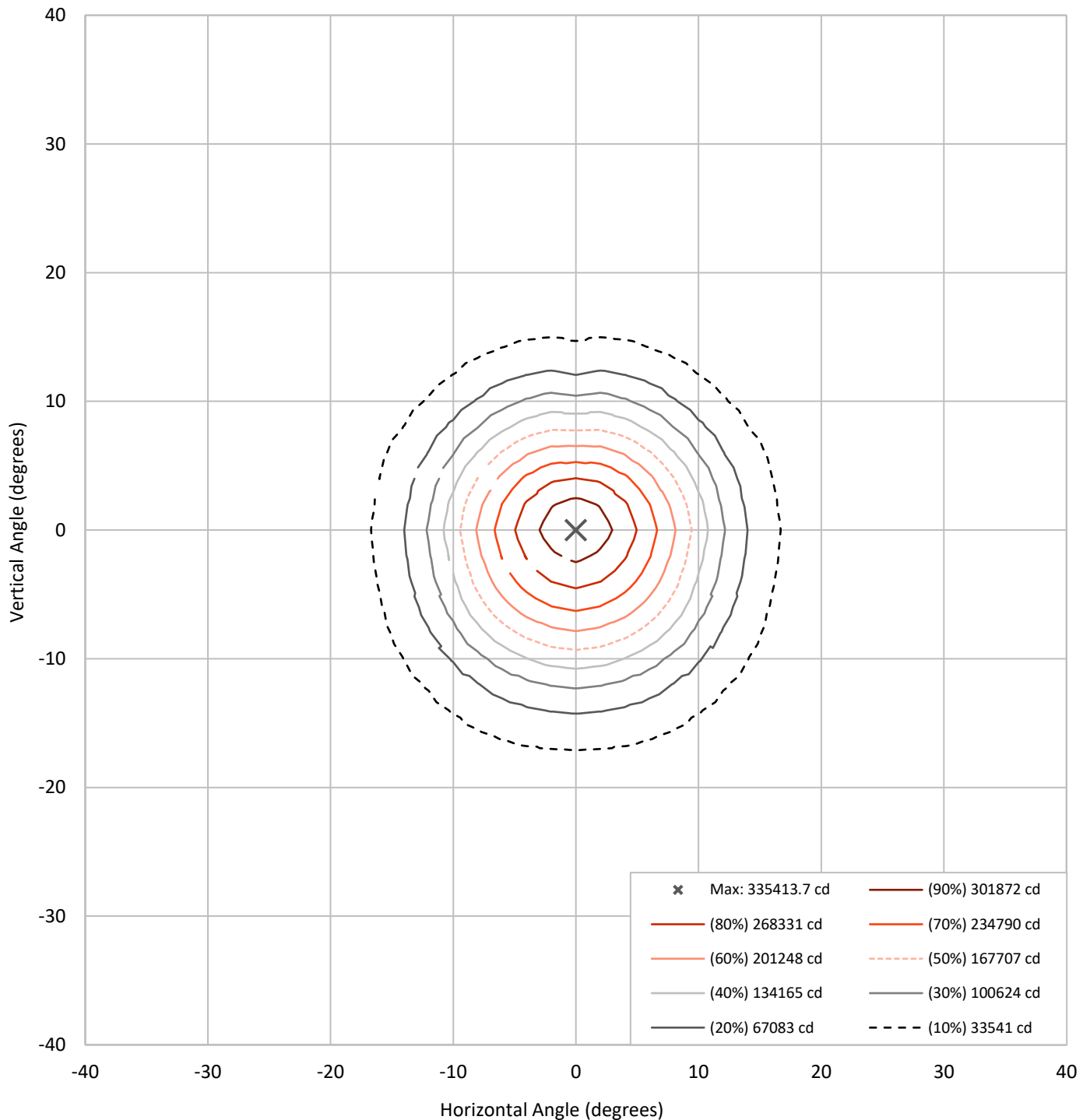
Test Method: LM-79-08
Report Number: P1306014 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-3)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-320N-40-80-1S-CV2-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 1S BEAM SHAPE WITH 2 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	38670.3 lumens	Max Intensity:	335413.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	115.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	18.9°H x 17.1°V	Field Angle (10%):	33.2°H x 31.5°V
Beam Lumens:	17812.5 lumens	Field Lumens:	32742 lumens
Beam Efficiency:	46.1%	Field Efficiency:	84.7%
Input Watts (W):	336		
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: P1306014 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-320N-40-80-1S-CV2-A

Iso-Candela Plot





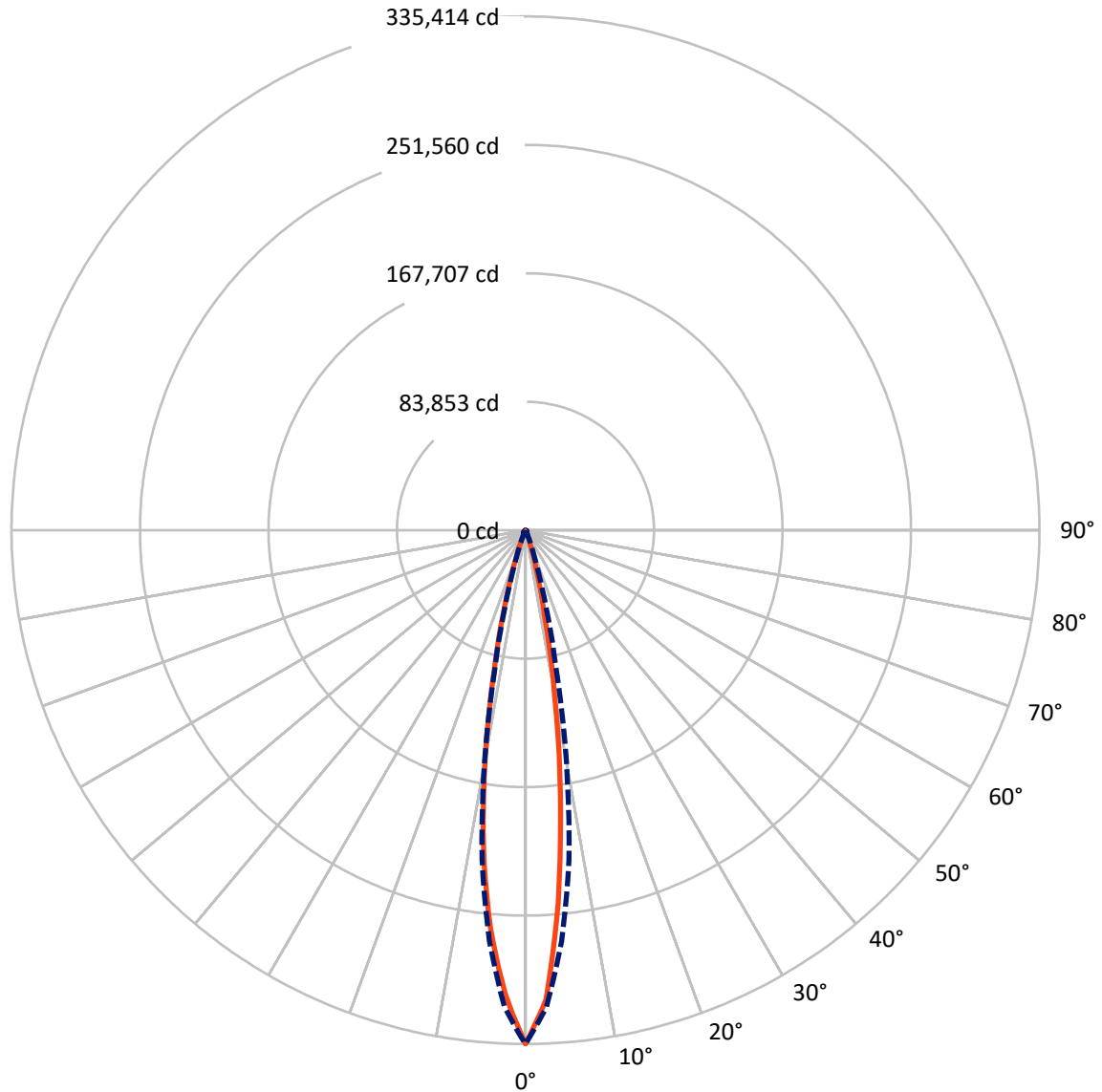
REPORT NUMBER: P1306014 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-1S-CV2-A

Lumen Table

90	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1						
80	0.1	0.2	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.2	0.1						
70	0.1	0.1	0.1	0.3	0.4	0.2	0.1	0.1	0.1	0.1	0.2	0.4	0.3	0.1	0.1	0.1	
60		0.1	0.2	0.3	0.2	0.1	0.1	0.1	0.1	0.1	0.1	0.2	0.3	0.2	0.1		
50	0.1	0.1	0.2	0.2	0.3	0.4	0.6	0.7	0.7	0.6	0.4	0.3	0.2	0.2	0.1	0.1	
40		0.1	0.4	0.8	1.9	2.9	3.1	3.6	3.6	3.1	2.9	1.9	0.8	0.4	0.1		
30	0.1	0.2	1.4	4.7	12.5	15.2	20.1	37.4	37.4	20.1	15.2	12.5	4.7	1.4	0.2	0.1	
20		0.5	3.0	12.2	26.6	37.4	255.3	1026.9	1026.9	255.3	37.4	26.6	12.2	3.0	0.5		
10	0.2	0.9	5.1	23.5	40.2	93.1	1334.3	5758.1	5758.1	1334.3	93.1	40.2	23.5	5.1	0.9	0.2	
0		1.4	6.8	27.8	46.4	92.4	1447.5	6162.7	6162.7	1447.5	92.4	46.4	27.8	6.8	1.4		
-10	0.3	1.6	7.0	26.1	49.4	58.1	419.8	1589.9	1589.9	419.8	58.1	49.4	26.1	7.0	1.6	0.3	
-20		1.6	6.1	14.4	37.7	46.8	57.0	105.5	105.5	57.0	46.8	37.7	14.4	6.1	1.6		
-30	0.2	1.3	4.6	8.5	21.0	39.8	47.6	49.4	49.4	47.6	39.8	21.0	8.5	4.6	1.3	0.2	
-40		0.9	3.1	6.7	10.7	19.5	35.6	49.2	49.2	35.6	19.5	10.7	6.7	3.1	0.9		
-50	0.1	0.4	1.8	4.5	8.2	11.7	14.6	16.3	16.3	14.6	11.7	8.2	4.5	1.8	0.4	0.1	
-60		0.2	0.6	2.1	4.4	7.1	10.0	11.8	11.8	10.0	7.1	4.4	2.1	0.6	0.2		
-70	0.1	0.4	1.8	4.5	8.2	11.7	14.6	16.3	16.3	14.6	11.7	8.2	4.5	1.8	0.4	0.1	
-80		0.2	0.6	2.1	4.4	7.1	10.0	11.8	11.8	10.0	7.1	4.4	2.1	0.6	0.2		
-90	0.1	0.5	1.6	3.9	5.7	3.9	1.6	0.5	0.1								

REPORT NUMBER: P1306014 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-320N-40-80-1S-CV2-A

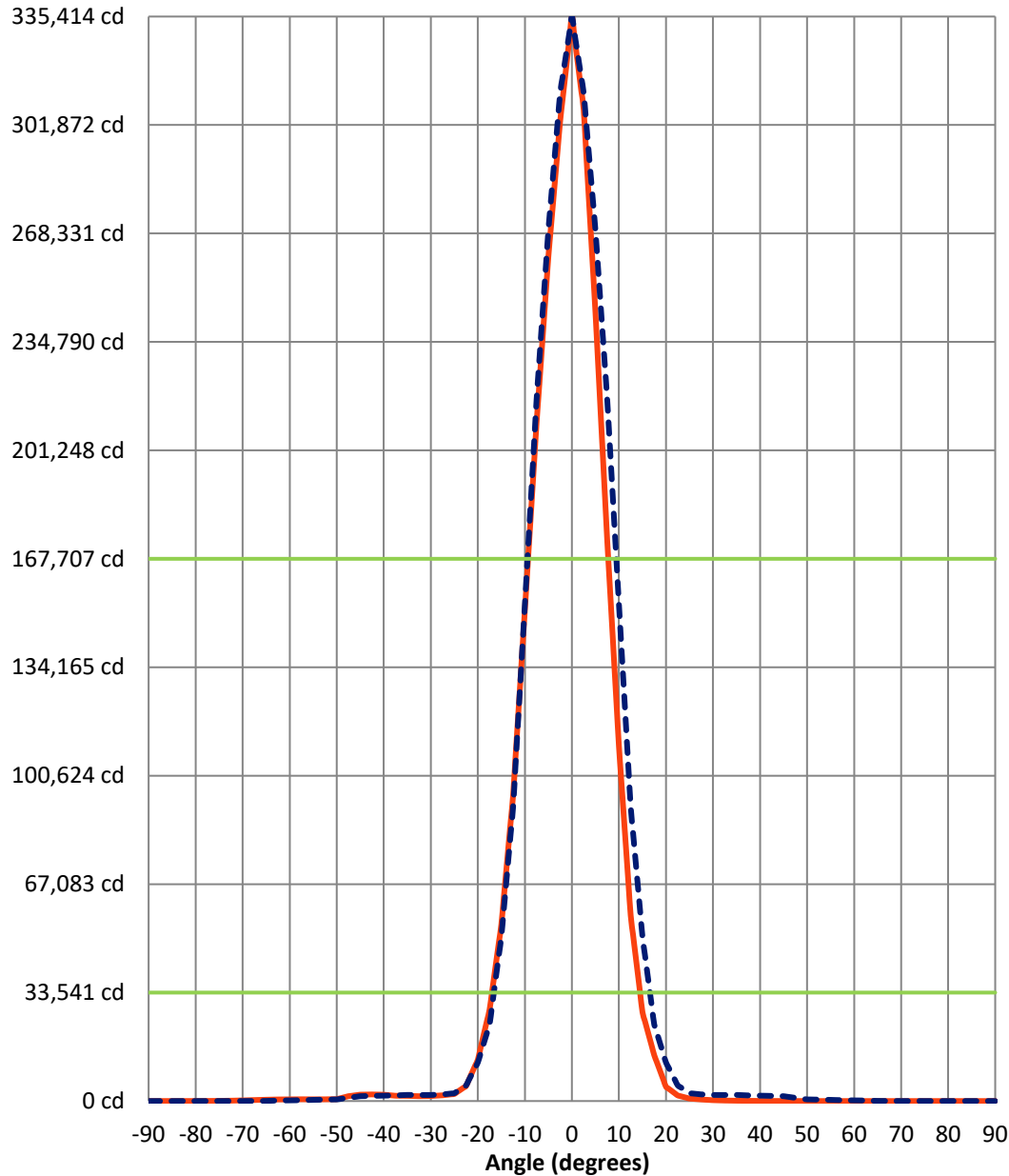
Luminous Intensity Polar Plot



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

REPORT NUMBER: P1306014 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-320N-40-80-1S-CV2-A

Luminous Intensity Plot



Beam:
H Angle: 18.9°
V Angle: 17.1°
Lumens: 17812.5
Efficiency: 46.1%

Field:
H Angle: 33.2°
V Angle: 31.5°
Lumens: 32742
Efficiency: 84.7%

Spill:
Lumens: 5928.3
Efficiency: 15.3%

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

REPORT NUMBER: P1306014 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-1S-CV2-A

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.3	4.5	4.7	4.9
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	3.9	3.7	3.5	3.3
85°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	3.9	3.7	3.5	3.3
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	3.9	3.7	3.6	3.5
80°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	3.9	3.8	3.9
77.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.1
75°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
72.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
70°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
67.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.2
65°	4.1	4.1	4.1	4.1	4.1	4.1	4.2	4.1	4.3	4.4	4.3
62.5°	4.1	4.1	4.1	4.1	4.1	4.2	4.2	4.2	4.5	4.5	4.3
60°	4.1	4.1	4.1	4.1	4.1	4.3	4.3	4.5	4.7	4.5	4.3
57.5°	4.1	4.1	4.1	4.1	4.2	4.3	4.4	4.7	4.7	4.6	4.4
55°	4.1	4.1	4.1	4.1	4.3	4.4	4.6	4.9	4.8	4.6	4.4
52.5°	4.1	4.1	4.1	4.1	4.3	4.5	4.7	4.9	4.8	4.6	4.5
50°	4.1	4.1	4.1	4.1	4.4	4.6	4.8	4.9	4.9	4.7	5.0
47.5°	4.1	4.1	4.1	4.1	4.5	4.7	4.9	4.9	4.9	4.7	5.6
45°	4.1	4.1	4.1	4.2	4.6	4.8	4.9	4.9	4.9	5.1	6.0
42.5°	4.1	4.1	4.1	4.3	4.7	4.8	4.9	4.9	5.0	5.4	6.5
40°	4.1	4.1	4.1	4.3	4.8	4.9	4.9	5.0	5.1	5.6	7.0
37.5°	4.1	4.1	4.1	4.4	4.8	4.9	4.9	5.1	5.4	6.0	7.3
35°	4.1	4.1	4.1	4.5	4.9	4.9	4.9	5.2	5.6	6.6	7.6
32.5°	4.1	4.1	4.1	4.5	4.9	4.9	4.9	5.3	5.9	7.3	8.5
30°	4.1	4.1	4.1	4.6	4.9	4.9	5.0	5.5	6.1	8.1	9.6
27.5°	4.1	4.1	4.1	4.6	4.9	4.9	5.1	5.7	6.5	8.9	10.9
25°	4.1	4.1	4.1	4.7	4.9	4.9	5.2	5.8	7.1	9.9	12.3
22.5°	4.1	4.1	4.1	4.7	4.9	4.9	5.3	6.0	7.8	11.0	14.5
20°	4.1	4.1	4.1	4.8	4.9	5.0	5.5	6.2	8.5	12.2	16.5
17.5°	4.1	4.1	4.1	4.8	4.9	5.1	5.6	6.3	9.3	13.4	18.5
15°	4.1	4.1	4.1	4.8	4.9	5.2	5.8	6.5	10.0	14.7	20.4
12.5°	4.1	4.1	4.1	4.8	4.9	5.3	5.9	6.8	10.8	15.9	22.2
10°	4.1	4.1	4.1	4.9	4.9	5.4	6.1	7.1	11.5	17.4	24.8
7.5°	4.1	4.1	4.1	4.9	4.9	5.5	6.2	7.4	12.3	18.9	29.4
5°	4.1	4.1	4.1	4.9	4.9	5.6	6.4	7.7	12.9	20.4	34.3
2.5°	4.1	4.1	4.1	4.9	4.9	5.7	6.5	7.9	13.5	21.8	39.1
0°	4.1	4.1	4.1	4.9	4.9	5.8	6.6	8.2	14.0	23.1	43.7
-2.5°	4.1	4.1	4.1	4.9	5.0	5.9	7.0	9.9	17.7	30.0	55.4
-5°	4.1	4.1	4.2	4.9	5.1	6.0	7.4	11.5	21.2	36.6	66.3
-7.5°	4.1	4.1	4.2	4.9	5.1	6.0	7.8	13.0	24.4	42.6	76.3
-10°	4.1	4.1	4.2	4.9	5.2	6.1	8.2	14.3	27.3	48.0	85.1
-12.5°	4.1	4.1	4.3	4.9	5.3	6.1	8.4	15.4	29.7	52.8	91.9
-15°	4.1	4.1	4.3	4.8	5.3	6.2	8.6	16.2	32.3	57.8	97.3
-17.5°	4.1	4.1	4.3	4.8	5.3	6.2	8.8	17.4	35.3	62.0	101.3
-20°	4.1	4.1	4.3	4.8	5.4	6.2	9.1	18.8	37.6	65.2	104.0



REPORT NUMBER: P1306014 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-1S-CV2-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.1	4.1	4.4	4.8	5.4	6.3	9.6	19.6	39.0	67.4	105.2
-25°	4.1	4.1	4.4	4.8	5.4	6.4	9.9	19.9	39.6	68.6	104.9
-27.5°	4.1	4.1	4.4	4.8	5.4	6.6	10.0	19.6	39.3	68.9	105.8
-30°	4.1	4.1	4.4	4.8	5.3	6.7	9.8	18.7	38.7	68.4	105.4
-32.5°	4.1	4.1	4.4	4.8	5.4	6.8	9.3	18.2	37.6	66.7	103.5
-35°	4.1	4.1	4.4	4.8	5.4	6.9	9.2	17.7	35.6	63.6	100.1
-37.5°	4.1	4.1	4.4	4.9	5.4	6.8	9.2	16.7	32.6	59.1	91.3
-40°	4.1	4.1	4.4	4.9	5.3	6.8	9.1	15.2	28.7	54.5	81.7
-42.5°	4.1	4.1	4.4	4.9	5.3	6.8	9.0	13.4	25.7	47.3	71.5
-45°	4.1	4.1	4.3	4.9	5.4	6.7	8.7	11.9	23.0	39.4	60.9
-47.5°	4.1	4.1	4.3	5.0	5.4	6.5	8.4	11.5	19.7	31.2	51.6
-50°	4.1	4.1	4.3	4.9	5.4	6.4	8.2	11.0	15.5	26.4	41.8
-52.5°	4.1	4.1	4.2	4.8	5.4	6.2	7.9	10.3	13.5	21.4	32.0
-55°	4.1	4.1	4.2	4.8	5.3	6.1	7.6	9.6	12.5	16.2	26.1
-57.5°	4.1	4.1	4.1	4.7	5.3	6.0	7.3	9.2	11.4	14.0	20.0
-60°	4.1	4.1	4.1	4.6	5.2	5.9	6.9	8.6	10.4	12.8	15.3
-62.5°	4.1	4.1	4.1	4.5	5.1	5.7	6.7	8.0	9.7	11.5	13.8
-65°	4.1	4.1	4.1	4.5	5.0	5.6	6.4	7.5	9.0	10.6	12.4
-67.5°	4.1	4.1	4.1	4.4	4.9	5.4	6.1	7.1	8.3	9.8	11.3
-70°	4.1	4.1	4.1	4.3	4.8	5.2	5.8	6.7	7.8	9.0	10.4
-72.5°	4.1	4.1	4.1	4.3	4.6	5.1	5.5	6.2	7.2	8.3	9.5
-75°	4.1	4.1	4.1	4.2	4.5	4.9	5.3	5.9	6.6	7.5	8.5
-77.5°	4.1	4.1	4.1	4.2	4.4	4.7	5.1	5.6	6.2	6.8	7.6
-80°	4.1	4.1	4.1	4.2	4.4	4.6	4.9	5.3	5.8	6.3	6.8
-82.5°	4.1	4.1	4.1	4.2	4.3	4.5	4.7	5.0	5.4	5.8	6.2
-85°	4.1	4.1	4.1	4.2	4.2	4.4	4.5	4.8	5.1	5.4	5.7
-87.5°	4.1	4.1	4.1	4.1	4.2	4.2	4.3	4.5	4.8	5.0	5.3
-90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	3.9	3.7	3.5	3.3



REPORT NUMBER: P1306014 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-1S-CV2-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
87.5°	3.3	3.3	3.3	3.3	3.1	2.9	2.7	2.5	2.5	2.5	2.5
85°	3.3	3.3	3.3	3.3	3.1	2.9	2.7	2.5	2.5	2.5	2.5
82.5°	3.5	3.5	3.4	3.3	3.1	2.9	2.7	2.6	2.6	2.6	2.6
80°	3.8	3.7	3.5	3.3	3.2	3.1	3.1	3.2	3.1	2.9	2.7
77.5°	3.9	3.7	3.5	3.4	3.3	3.4	3.4	3.3	3.2	3.0	2.8
75°	4.0	3.8	3.7	3.7	3.7	3.7	3.6	3.4	3.2	3.2	3.2
72.5°	4.0	3.9	4.0	4.1	4.0	3.8	3.6	3.4	3.6	4.0	4.3
70°	4.1	4.1	4.1	4.1	4.0	3.9	4.1	4.7	5.4	6.2	7.6
67.5°	4.1	4.1	4.1	4.1	4.1	4.4	5.0	8.0	11.7	13.2	13.8
65°	4.1	4.1	4.1	4.1	4.1	6.4	9.8	14.0	18.4	19.2	18.7
62.5°	4.1	4.1	4.1	4.7	6.7	9.8	13.7	18.2	23.3	23.5	20.5
60°	4.2	4.1	4.9	6.8	9.1	12.1	16.6	20.2	24.0	25.7	19.7
57.5°	4.2	4.7	6.5	8.7	11.1	13.4	16.0	19.5	21.4	21.7	16.0
55°	4.6	5.8	7.9	10.3	12.3	12.1	14.1	15.7	16.3	15.4	11.0
52.5°	5.4	6.9	9.2	11.5	12.3	11.4	11.0	12.0	11.6	9.9	8.1
50°	6.2	8.1	10.5	12.4	12.3	10.5	8.9	9.4	8.9	7.8	6.6
47.5°	7.0	9.1	12.0	13.3	11.8	10.6	9.1	8.6	8.2	8.4	7.4
45°	7.8	10.2	13.4	13.1	12.1	11.6	10.5	9.0	10.5	10.7	10.5
42.5°	8.4	11.1	13.3	13.1	13.7	13.4	12.5	13.1	13.9	14.6	14.9
40°	9.0	11.7	13.5	15.5	15.8	15.7	17.1	18.2	18.3	19.6	20.5
37.5°	9.4	12.4	15.2	19.8	18.3	19.8	22.4	24.8	26.1	25.1	28.0
35°	9.7	13.5	20.6	25.4	24.0	25.2	29.4	34.1	38.7	36.1	41.2
32.5°	10.4	15.0	27.5	31.7	36.4	36.6	37.4	50.3	60.2	64.6	67.1
30°	12.3	21.3	35.1	39.1	53.8	56.8	56.3	72.3	90.5	133.9	167.1
27.5°	14.8	29.0	42.2	54.5	75.2	80.6	88.2	106.7	162.5	245.0	338.3
25°	17.3	39.0	49.9	75.1	98.3	109.3	122.5	150.3	263.2	448.1	515.7
22.5°	22.6	50.1	62.4	98.7	123.8	138.9	162.8	230.6	386.6	670.7	688.9
20°	31.2	60.5	80.7	121.0	151.6	168.2	203.0	314.0	523.9	730.8	811.3
17.5°	40.3	72.0	100.7	143.6	181.7	205.2	248.1	393.3	630.8	808.6	903.5
15°	49.6	84.4	119.1	168.4	214.6	251.7	337.3	500.5	704.9	900.6	1037.1
12.5°	58.9	97.4	136.1	195.0	249.9	298.1	445.2	677.5	866.8	1024.2	1204.5
10°	68.1	110.6	151.5	222.4	286.7	344.1	563.9	868.3	1054.8	1193.6	1351.6
7.5°	90.2	130.9	168.7	249.8	324.1	389.0	687.9	1065.8	1225.6	1338.7	1457.7
5°	115.2	158.1	201.8	290.6	364.8	432.0	808.6	1262.1	1382.4	1464.5	1538.5
2.5°	140.0	184.2	234.1	331.3	405.4	471.5	910.4	1389.8	1493.0	1571.0	1630.1
0°	163.2	209.3	265.3	369.2	443.3	508.4	997.9	1498.0	1591.2	1669.4	1740.3
-2.5°	176.2	229.6	288.6	383.6	447.6	510.7	929.8	1461.1	1600.1	1704.5	1810.3
-5°	186.4	248.2	310.3	395.8	450.7	510.9	850.0	1397.5	1610.8	1740.7	1869.9
-7.5°	193.6	264.9	330.0	405.7	454.3	513.0	845.7	1420.1	1675.1	1792.8	1919.6
-10°	196.8	271.1	334.0	407.7	458.8	515.2	835.2	1409.6	1737.1	1847.0	1960.8
-12.5°	190.6	268.1	332.9	407.1	462.4	515.0	792.4	1362.4	1798.9	1906.4	1981.1
-15°	183.5	263.8	328.9	403.6	465.5	512.3	713.1	1276.3	1810.1	1879.1	1952.7
-17.5°	175.9	258.1	321.9	397.3	468.3	507.3	587.7	1058.9	1623.5	1789.1	1906.1
-20°	168.2	251.3	311.6	388.1	468.6	490.2	531.2	849.9	1325.6	1659.6	1813.8



REPORT NUMBER: P1306014 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-1S-CV2-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	160.8	243.2	299.9	375.6	437.6	464.6	494.6	656.0	1014.7	1493.0	1650.8
-25°	157.5	231.0	289.1	349.4	405.8	437.9	455.1	499.3	759.2	1178.5	1469.9
-27.5°	156.3	220.3	273.0	324.2	378.4	408.9	422.3	454.9	595.9	875.3	1269.0
-30°	153.1	204.2	256.1	301.4	351.2	380.7	391.7	420.4	468.6	671.1	956.7
-32.5°	143.9	187.4	237.3	281.8	325.1	359.2	373.8	400.0	434.7	496.5	701.4
-35°	132.4	173.1	217.8	261.6	301.3	338.5	364.3	383.2	406.8	438.0	538.6
-37.5°	122.3	158.2	198.1	240.5	278.8	316.9	353.6	370.8	389.4	413.2	455.3
-40°	111.2	142.7	180.4	219.0	256.5	293.7	329.3	360.3	375.0	399.6	428.6
-42.5°	99.3	129.4	162.8	197.5	233.3	268.4	303.6	336.7	368.4	387.9	411.0
-45°	87.2	115.2	145.1	177.5	209.5	242.5	275.4	309.4	348.6	382.6	399.5
-47.5°	74.5	100.4	128.5	157.2	186.7	216.4	246.5	283.1	322.3	359.1	394.7
-50°	61.6	85.5	111.4	138.4	164.7	191.4	218.7	256.9	294.8	330.7	364.8
-52.5°	50.2	69.9	94.5	120.1	144.2	167.9	195.9	230.8	267.0	302.4	334.8
-55°	38.3	56.2	76.7	100.7	124.9	146.4	173.5	205.3	238.0	272.1	303.9
-57.5°	29.5	42.7	60.2	80.0	103.1	127.0	153.2	179.7	209.5	240.3	268.5
-60°	22.4	31.5	44.5	61.1	79.2	102.9	131.4	157.6	182.6	207.2	233.6
-62.5°	16.1	23.4	32.0	43.1	58.6	77.0	101.0	128.1	157.1	178.4	199.2
-65°	14.5	16.7	22.6	30.5	38.8	53.9	72.0	92.2	116.7	138.4	160.6
-67.5°	12.9	14.8	16.8	19.9	27.2	35.3	43.8	59.9	77.6	92.7	108.4
-70°	11.7	13.0	14.8	16.6	18.5	22.1	29.2	36.7	44.0	52.4	65.1
-72.5°	10.5	11.6	12.9	14.4	16.1	17.9	19.9	22.0	26.3	31.8	37.0
-75°	9.4	10.2	11.1	12.3	13.6	15.0	16.6	18.3	19.8	21.1	22.5
-77.5°	8.2	8.8	9.4	10.2	11.0	12.0	13.2	14.4	15.6	16.6	17.6
-80°	7.1	7.4	7.8	8.3	9.0	9.6	10.3	10.9	11.5	12.2	13.1
-82.5°	6.3	6.4	6.5	6.7	7.1	7.6	8.1	8.6	8.9	9.3	9.7
-85°	5.5	5.4	5.3	5.3	5.7	6.0	6.4	6.8	6.9	7.1	7.2
-87.5°	5.2	5.1	5.0	4.9	5.0	5.2	5.4	5.5	5.6	5.6	5.6
-90°	3.3	3.3	3.3	3.3	3.1	2.9	2.7	2.5	2.5	2.5	2.5



REPORT NUMBER: P1306014 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-1S-CV2-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.9	5.1	5.4	5.6	5.8	6.2	6.6	7.0	7.4	10.5	13.6
87.5°	2.5	2.3	2.1	1.8	1.6	1.4	1.2	1.0	0.8	0.8	0.8
85°	2.5	2.3	2.1	1.8	1.6	1.4	1.2	1.0	0.8	0.8	0.8
82.5°	2.5	2.3	2.1	1.8	1.6	1.4	1.2	1.0	0.8	0.8	0.8
80°	2.5	2.3	2.1	1.9	1.6	1.5	1.5	1.5	1.5	1.4	1.2
77.5°	2.6	2.5	2.4	2.2	2.1	2.0	1.9	1.8	1.6	1.4	1.2
75°	3.2	3.2	3.1	2.9	2.6	2.3	2.1	1.9	1.6	1.6	1.6
72.5°	4.5	4.4	4.2	4.1	3.7	3.4	3.3	3.2	3.0	3.0	3.1
70°	8.4	8.6	8.2	7.4	6.3	5.6	5.2	4.7	4.1	4.1	4.3
67.5°	13.3	12.2	11.2	10.1	8.6	7.4	6.7	6.1	5.6	5.4	5.6
65°	16.8	13.2	11.4	10.0	8.9	7.9	7.2	6.4	5.6	5.1	5.0
62.5°	16.8	12.0	9.7	8.5	7.8	7.2	6.1	5.1	4.3	3.8	3.8
60°	14.4	9.8	7.3	6.3	5.5	4.9	4.4	3.9	3.6	3.3	3.4
57.5°	11.0	7.1	4.9	4.8	4.6	4.3	4.1	3.9	3.6	3.3	3.5
55°	7.6	5.9	4.9	5.0	5.1	5.0	4.7	4.4	4.1	3.8	4.0
52.5°	6.1	5.9	6.2	6.3	5.8	5.3	4.9	4.9	5.0	5.1	5.3
50°	6.5	6.8	6.9	6.5	6.2	6.0	5.7	6.0	6.4	6.7	6.9
47.5°	7.5	7.9	8.1	7.3	7.4	7.9	7.6	7.7	9.2	10.4	11.3
45°	9.9	11.1	11.3	11.5	11.3	12.4	13.1	13.7	16.8	18.0	18.0
42.5°	15.2	17.0	18.2	19.4	18.5	21.8	26.6	29.8	29.0	27.9	28.3
40°	22.9	26.3	31.1	33.6	36.5	40.2	41.6	36.1	35.2	39.7	40.1
37.5°	34.9	44.0	54.1	61.8	63.1	61.5	59.5	58.6	59.9	62.9	67.3
35°	57.4	78.8	88.1	93.0	96.0	86.9	83.5	86.8	83.9	92.2	95.1
32.5°	101.7	129.2	137.3	141.0	148.4	139.3	119.1	143.0	133.9	132.6	141.8
30°	161.3	199.7	232.8	235.2	229.9	228.5	240.1	243.2	232.4	232.3	268.6
27.5°	308.9	317.7	376.1	402.6	336.5	341.5	373.1	356.3	395.4	433.3	463.1
25°	489.2	496.4	598.7	583.1	513.0	532.9	551.4	547.7	593.1	638.6	690.3
22.5°	654.9	684.6	768.6	746.9	715.7	724.2	741.2	774.8	835.8	928.3	1169.2
20°	787.1	806.4	847.2	865.8	867.5	884.4	938.6	1031.2	1221.4	1845.2	2598.2
17.5°	914.5	884.7	933.8	965.9	1000.5	1062.6	1188.4	1567.9	2484.9	4375.7	6228.5
15°	1099.6	1081.2	1052.4	1096.3	1192.7	1319.5	1613.3	3001.0	6116.4	9661.7	13347.6
12.5°	1301.3	1276.9	1237.1	1274.1	1420.5	1646.4	3027.3	6544.2	11524.3	17880.0	30260.5
10°	1462.0	1451.1	1426.3	1504.9	1695.9	2376.4	4822.4	10356.2	17761.3	32505.0	50527.8
7.5°	1560.3	1555.3	1576.5	1705.3	1965.5	3470.6	7883.3	15588.7	28601.3	49069.6	79324.6
5°	1667.8	1660.1	1694.2	1850.4	2158.2	4172.0	10274.3	20289.2	39668.1	67986.5	111923.5
2.5°	1783.1	1765.4	1800.5	1978.5	2309.1	4327.7	10811.0	21697.0	46237.5	82568.8	141435.5
0°	1899.3	1863.1	1882.0	2060.0	2421.8	4837.7	11923.4	23726.5	50881.6	91005.4	153613.9
-2.5°	1908.8	1847.3	1866.1	2030.7	2377.1	4165.3	10352.1	21856.5	48359.1	84675.5	140674.8
-5°	1924.8	1844.7	1839.4	1983.6	2313.4	3800.1	8782.6	19989.3	42725.8	74513.5	123039.6
-7.5°	1954.7	1860.0	1814.4	1921.0	2212.4	3303.5	7165.3	16640.5	34564.9	60773.7	95938.4
-10°	2003.7	1901.9	1827.3	1874.2	2084.9	2694.2	4741.0	12094.7	26164.0	45820.1	69655.7
-12.5°	2064.1	2017.1	1905.2	1840.4	1956.2	2286.3	3726.5	9036.4	18382.6	28988.4	46376.5
-15°	2092.2	2109.9	2029.1	1900.3	1907.9	2112.1	2606.2	4947.7	11539.1	19245.1	27822.8
-17.5°	2054.1	2138.1	2044.7	1896.8	1836.9	1958.0	2189.1	3047.5	5332.2	10281.8	15312.6
-20°	1942.8	1970.3	1951.2	1862.4	1799.6	1806.2	1920.6	2143.2	2588.9	4209.2	5989.9



REPORT NUMBER: P1306014 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-1S-CV2-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1736.7	1754.4	1749.4	1815.1	1744.6	1712.9	1737.8	1824.2	1962.5	2172.7	2761.9
-25°	1561.1	1553.5	1594.1	1704.0	1721.4	1644.8	1624.7	1631.0	1709.7	1802.9	1932.1
-27.5°	1393.5	1444.2	1533.4	1644.9	1693.4	1641.8	1577.0	1534.7	1572.6	1602.0	1660.0
-30°	1253.3	1384.3	1477.8	1579.3	1652.3	1644.1	1581.0	1560.3	1542.4	1521.6	1536.3
-32.5°	1030.0	1312.0	1408.5	1491.5	1579.8	1615.6	1615.1	1606.3	1614.4	1597.4	1559.6
-35°	800.5	1104.4	1355.1	1401.3	1458.3	1542.7	1607.4	1617.6	1627.2	1626.8	1617.7
-37.5°	574.3	856.8	1110.9	1297.7	1364.8	1426.6	1547.1	1611.5	1632.5	1665.8	1678.1
-40°	470.9	555.6	809.7	1038.3	1192.4	1379.6	1504.8	1621.3	1741.1	1811.2	1850.9
-42.5°	440.0	475.2	512.4	688.2	908.0	1113.5	1309.8	1531.7	1701.9	1834.2	1966.1
-45°	417.6	440.3	465.0	499.6	534.1	708.2	908.2	1109.1	1297.5	1487.4	1669.7
-47.5°	408.8	417.1	434.3	454.0	477.0	507.5	536.4	581.1	736.6	890.6	1055.8
-50°	394.6	415.3	422.7	429.9	448.5	466.4	480.2	499.1	517.9	529.7	545.3
-52.5°	364.7	391.4	414.3	435.2	447.3	457.6	466.8	482.3	496.8	509.5	518.2
-55°	333.7	361.3	387.6	413.4	437.6	460.7	480.8	492.0	503.2	514.5	519.1
-57.5°	297.3	326.4	354.9	381.7	408.0	433.7	456.6	477.1	496.8	515.1	526.6
-60°	259.2	284.1	312.8	342.6	370.1	395.4	420.6	444.5	466.4	485.1	496.9
-62.5°	222.1	245.7	269.5	296.3	326.1	354.8	377.6	400.7	424.0	444.4	459.2
-65°	181.9	201.7	220.6	240.9	262.2	285.3	309.3	333.0	356.1	375.5	390.0
-67.5°	127.0	146.0	163.5	180.8	196.8	213.0	230.3	247.8	265.3	280.7	293.7
-70°	77.4	88.9	99.1	110.2	123.4	137.0	150.6	163.1	174.5	184.0	191.6
-72.5°	41.9	46.3	51.2	59.4	66.9	75.0	83.4	91.1	98.2	104.7	110.6
-75°	23.9	25.9	29.4	32.5	35.3	38.8	42.6	46.1	49.6	52.9	56.0
-77.5°	18.6	19.6	20.6	21.5	22.4	23.6	25.1	26.5	28.0	30.4	33.1
-80°	13.9	14.6	15.2	15.9	16.5	17.3	18.1	18.9	19.7	20.7	21.8
-82.5°	10.1	10.4	10.7	11.0	11.2	11.8	12.3	12.9	13.5	14.6	15.8
-85°	7.3	7.4	7.6	7.7	7.7	8.0	8.3	8.6	8.9	10.0	11.1
-87.5°	5.6	5.7	5.7	5.8	5.8	6.0	6.2	6.4	6.6	7.7	8.7
-90°	2.5	2.3	2.1	1.8	1.6	1.4	1.2	1.0	0.8	0.6	0.4



REPORT NUMBER: P1306014 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-1S-CV2-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	16.7	19.8	22.6	25.5	22.6	19.8	16.7	13.6	10.5	7.4	7.0
87.5°	0.8	0.8	0.4	0.0	0.4	0.8	0.8	0.8	0.8	0.8	1.0
85°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.0
82.5°	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	1.0
80°	1.0	0.8	0.8	0.8	0.8	0.8	1.0	1.2	1.4	1.5	1.5
77.5°	1.0	0.8	0.8	0.8	0.8	0.8	1.0	1.2	1.4	1.6	1.8
75°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.9
72.5°	3.2	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.0	3.0	3.2
70°	4.6	4.8	5.3	5.8	5.3	4.8	4.6	4.3	4.1	4.1	4.7
67.5°	5.7	5.8	5.0	4.1	5.0	5.8	5.7	5.6	5.4	5.6	6.1
65°	5.0	4.9	4.5	4.1	4.5	4.9	5.0	5.0	5.1	5.6	6.4
62.5°	3.9	4.1	4.1	4.1	4.1	4.1	3.9	3.8	3.8	4.3	5.1
60°	3.4	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.3	3.6	3.9
57.5°	3.7	4.0	4.1	4.1	4.1	4.0	3.7	3.5	3.3	3.6	3.9
55°	4.1	4.1	4.4	4.9	4.4	4.1	4.1	4.0	3.8	4.1	4.4
52.5°	5.5	5.7	5.8	5.8	5.8	5.7	5.5	5.3	5.1	5.0	4.9
50°	7.1	7.3	7.4	7.4	7.4	7.3	7.1	6.9	6.7	6.4	6.0
47.5°	11.8	12.1	12.6	13.2	12.6	12.1	11.8	11.3	10.4	9.2	7.7
45°	18.8	19.3	20.1	21.4	20.1	19.3	18.8	18.0	18.0	16.8	13.7
42.5°	29.8	30.6	31.5	33.0	31.5	30.6	29.8	28.3	27.9	29.0	29.8
40°	41.0	41.6	42.1	43.7	42.1	41.6	41.0	40.1	39.7	35.2	36.1
37.5°	69.3	66.4	63.3	70.0	63.3	66.4	69.3	67.3	62.9	59.9	58.6
35°	94.6	96.3	99.1	103.8	99.1	96.3	94.6	95.1	92.2	83.9	86.8
32.5°	143.5	151.3	154.9	159.9	154.9	151.3	143.5	141.8	132.6	133.9	143.0
30°	285.5	285.0	262.1	266.2	262.1	285.0	285.5	268.6	232.3	232.4	243.2
27.5°	472.7	478.4	475.9	487.8	475.9	478.4	472.7	463.1	433.3	395.4	356.3
25°	735.8	760.4	755.6	779.5	755.6	760.4	735.8	690.3	638.6	593.1	547.7
22.5°	1465.2	1578.7	1576.9	1727.9	1576.9	1578.7	1465.2	1169.2	928.3	835.8	774.8
20°	3913.5	4687.7	4368.6	4427.4	4368.6	4687.7	3913.5	2598.2	1845.2	1221.4	1031.2
17.5°	9024.6	11647.9	12787.2	14210.8	12787.2	11647.9	9024.6	6228.5	4375.7	2484.9	1567.9
15°	20601.5	27590.8	31086.9	27518.5	31086.9	27590.8	20601.5	13347.6	9661.7	6116.4	3001.0
12.5°	43133.6	55405.3	63888.0	57378.1	63888.0	55405.3	43133.6	30260.5	17880.0	11524.3	6544.2
10°	74517.0	97121.3	115802.6	109645.7	115802.6	97121.3	74517.0	50527.8	32505.0	17761.3	10356.2
7.5°	114557.4	151073.9	173865.4	173696.6	173865.4	151073.9	114557.4	79324.6	49069.6	28601.3	15588.7
5°	164813.2	211533.5	240554.1	244053.6	240554.1	211533.5	164813.2	111923.5	67986.5	39668.1	20289.2
2.5°	202024.2	252678.1	292304.1	306596.5	292304.1	252678.1	202024.2	141435.5	82568.8	46237.5	21697.0
0°	217216.9	269437.9	311796.0	335413.7	311796.0	269437.9	217216.9	153613.9	91005.4	50881.6	23726.5
-2.5°	205279.3	253510.9	288447.2	303079.7	288447.2	253510.9	205279.3	140674.8	84675.5	48359.1	21856.5
-5°	179236.5	224659.6	251609.8	261180.6	251609.8	224659.6	179236.5	123039.6	74513.5	42725.8	19989.3
-7.5°	140262.5	178286.0	201550.8	209953.7	201550.8	178286.0	140262.5	95938.4	60773.7	34564.9	16640.5
-10°	97132.2	125395.8	145594.2	151859.5	145594.2	125395.8	97132.2	69655.7	45820.1	26164.0	12094.7
-12.5°	62587.5	79356.5	90546.9	94622.7	90546.9	79356.5	62587.5	46376.5	28988.4	18382.6	9036.4
-15°	38075.4	47412.4	52831.9	54658.0	52831.9	47412.4	38075.4	27822.8	19245.1	11539.1	4947.7
-17.5°	20979.4	25485.6	27142.2	28307.9	27142.2	25485.6	20979.4	15312.6	10281.8	5332.2	3047.5
-20°	9398.7	11355.0	12315.0	12807.5	12315.0	11355.0	9398.7	5989.9	4209.2	2588.9	2143.2



REPORT NUMBER: P1306014 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-1S-CV2-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	3623.9	4195.2	4452.5	4663.9	4452.5	4195.2	3623.9	2761.9	2172.7	1962.5	1824.2
-25°	2044.5	2123.8	2159.9	2183.6	2159.9	2123.8	2044.5	1932.1	1802.9	1709.7	1631.0
-27.5°	1701.3	1747.1	1778.5	1773.3	1778.5	1747.1	1701.3	1660.0	1602.0	1572.6	1534.7
-30°	1537.5	1551.5	1563.4	1554.1	1563.4	1551.5	1537.5	1536.3	1521.6	1542.4	1560.3
-32.5°	1533.0	1518.5	1510.2	1507.9	1510.2	1518.5	1533.0	1559.6	1597.4	1614.4	1606.3
-35°	1607.5	1600.9	1596.8	1599.4	1596.8	1600.9	1607.5	1617.7	1626.8	1627.2	1617.6
-37.5°	1679.6	1670.0	1655.4	1643.9	1655.4	1670.0	1679.6	1678.1	1665.8	1632.5	1611.5
-40°	1858.6	1893.2	1937.1	1961.1	1937.1	1893.2	1858.6	1850.9	1811.2	1741.1	1621.3
-42.5°	2005.2	2030.5	2041.9	2041.1	2041.9	2030.5	2005.2	1966.1	1834.2	1701.9	1531.7
-45°	1807.9	1909.1	1963.7	1974.3	1963.7	1909.1	1807.9	1669.7	1487.4	1297.5	1109.1
-47.5°	1233.8	1398.0	1494.4	1507.1	1494.4	1398.0	1233.8	1055.8	890.6	736.6	581.1
-50°	566.7	588.7	596.7	590.8	596.7	588.7	566.7	545.3	529.7	517.9	499.1
-52.5°	526.5	535.0	539.3	540.5	539.3	535.0	526.5	518.2	509.5	496.8	482.3
-55°	523.5	528.1	531.3	534.0	531.3	528.1	523.5	519.1	514.5	503.2	492.0
-57.5°	537.3	547.2	551.8	553.7	551.8	547.2	537.3	526.6	515.1	496.8	477.1
-60°	507.6	517.3	520.8	521.6	520.8	517.3	507.6	496.9	485.1	466.4	444.5
-62.5°	473.0	485.8	490.6	491.9	490.6	485.8	473.0	459.2	444.4	424.0	400.7
-65°	402.7	413.5	414.3	411.2	414.3	413.5	402.7	390.0	375.5	356.1	333.0
-67.5°	305.4	315.6	316.1	313.1	316.1	315.6	305.4	293.7	280.7	265.3	247.8
-70°	197.7	202.4	203.4	202.7	203.4	202.4	197.7	191.6	184.0	174.5	163.1
-72.5°	115.7	120.1	119.2	117.0	119.2	120.1	115.7	110.6	104.7	98.2	91.1
-75°	58.7	61.1	62.1	62.6	62.1	61.1	58.7	56.0	52.9	49.6	46.1
-77.5°	35.7	38.3	39.1	39.6	39.1	38.3	35.7	33.1	30.4	28.0	26.5
-80°	22.8	23.8	23.9	23.9	23.9	23.8	22.8	21.8	20.7	19.7	18.9
-82.5°	16.9	18.0	18.5	19.0	18.5	18.0	16.9	15.8	14.6	13.5	12.9
-85°	12.1	13.2	13.6	14.0	13.6	13.2	12.1	11.1	10.0	8.9	8.6
-87.5°	9.7	10.7	11.1	11.5	11.1	10.7	9.7	8.7	7.7	6.6	6.4
-90°	0.2	0.0	0.0	0.0	0.0	0.0	0.2	0.4	0.6	0.8	1.0



REPORT NUMBER: P1306014 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-1S-CV2-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	6.6	6.2	5.8	5.6	5.4	5.1	4.9	4.9	4.9	4.9	4.9
87.5°	1.2	1.4	1.6	1.8	2.1	2.3	2.5	2.5	2.5	2.5	2.5
85°	1.2	1.4	1.6	1.8	2.1	2.3	2.5	2.5	2.5	2.5	2.5
82.5°	1.2	1.4	1.6	1.8	2.1	2.3	2.5	2.6	2.6	2.6	2.6
80°	1.5	1.5	1.6	1.9	2.1	2.3	2.5	2.7	2.9	3.1	3.2
77.5°	1.9	2.0	2.1	2.2	2.4	2.5	2.6	2.8	3.0	3.2	3.3
75°	2.1	2.3	2.6	2.9	3.1	3.2	3.2	3.2	3.2	3.2	3.4
72.5°	3.3	3.4	3.7	4.1	4.2	4.4	4.5	4.3	4.0	3.6	3.4
70°	5.2	5.6	6.3	7.4	8.2	8.6	8.4	7.6	6.2	5.4	4.7
67.5°	6.7	7.4	8.6	10.1	11.2	12.2	13.3	13.8	13.2	11.7	8.0
65°	7.2	7.9	8.9	10.0	11.4	13.2	16.8	18.7	19.2	18.4	14.0
62.5°	6.1	7.2	7.8	8.5	9.7	12.0	16.8	20.5	23.5	23.3	18.2
60°	4.4	4.9	5.5	6.3	7.3	9.8	14.4	19.7	25.7	24.0	20.2
57.5°	4.1	4.3	4.6	4.8	4.9	7.1	11.0	16.0	21.7	21.4	19.5
55°	4.7	5.0	5.1	5.0	4.9	5.9	7.6	11.0	15.4	16.3	15.7
52.5°	4.9	5.3	5.8	6.3	6.2	5.9	6.1	8.1	9.9	11.6	12.0
50°	5.7	6.0	6.2	6.5	6.9	6.8	6.5	6.6	7.8	8.9	9.4
47.5°	7.6	7.9	7.4	7.3	8.1	7.9	7.5	7.4	8.4	8.2	8.6
45°	13.1	12.4	11.3	11.5	11.3	11.1	9.9	10.5	10.7	10.5	9.0
42.5°	26.6	21.8	18.5	19.4	18.2	17.0	15.2	14.9	14.6	13.9	13.1
40°	41.6	40.2	36.5	33.6	31.1	26.3	22.9	20.5	19.6	18.3	18.2
37.5°	59.5	61.5	63.1	61.8	54.1	44.0	34.9	28.0	25.1	26.1	24.8
35°	83.5	86.9	96.0	93.0	88.1	78.8	57.4	41.2	36.1	38.7	34.1
32.5°	119.1	139.3	148.4	141.0	137.3	129.2	101.7	67.1	64.6	60.2	50.3
30°	240.1	228.5	229.9	235.2	232.8	199.7	161.3	167.1	133.9	90.5	72.3
27.5°	373.1	341.5	336.5	402.6	376.1	317.7	308.9	338.3	245.0	162.5	106.7
25°	551.4	532.9	513.0	583.1	598.7	496.4	489.2	515.7	448.1	263.2	150.3
22.5°	741.2	724.2	715.7	746.9	768.6	684.6	654.9	688.9	670.7	386.6	230.6
20°	938.6	884.4	867.5	865.8	847.2	806.4	787.1	811.3	730.8	523.9	314.0
17.5°	1188.4	1062.6	1000.5	965.9	933.8	884.7	914.5	903.5	808.6	630.8	393.3
15°	1613.3	1319.5	1192.7	1096.3	1052.4	1081.2	1099.6	1037.1	900.6	704.9	500.5
12.5°	3027.3	1646.4	1420.5	1274.1	1237.1	1276.9	1301.3	1204.5	1024.2	866.8	677.5
10°	4822.4	2376.4	1695.9	1504.9	1426.3	1451.1	1462.0	1351.6	1193.6	1054.8	868.3
7.5°	7883.3	3470.6	1965.5	1705.3	1576.5	1555.3	1560.3	1457.7	1338.7	1225.6	1065.8
5°	10274.3	4172.0	2158.2	1850.4	1694.2	1660.1	1667.8	1538.5	1464.5	1382.4	1262.1
2.5°	10811.0	4327.7	2309.1	1978.5	1800.5	1765.4	1783.1	1630.1	1571.0	1493.0	1389.8
0°	11923.4	4837.7	2421.8	2060.0	1882.0	1863.1	1899.3	1740.3	1669.4	1591.2	1498.0
-2.5°	10352.1	4165.3	2377.1	2030.7	1866.1	1847.3	1908.8	1810.3	1704.5	1600.1	1461.1
-5°	8782.6	3800.1	2313.4	1983.6	1839.4	1844.7	1924.8	1869.9	1740.7	1610.8	1397.5
-7.5°	7165.3	3303.5	2212.4	1921.0	1814.4	1860.0	1954.7	1919.6	1792.8	1675.1	1420.1
-10°	4741.0	2694.2	2084.9	1874.2	1827.3	1901.9	2003.7	1960.8	1847.0	1737.1	1409.6
-12.5°	3726.5	2286.3	1956.2	1840.4	1905.2	2017.1	2064.1	1981.1	1906.4	1798.9	1362.4
-15°	2606.2	2112.1	1907.9	1900.3	2029.1	2109.9	2092.2	1952.7	1879.1	1810.1	1276.3
-17.5°	2189.1	1958.0	1836.9	1896.8	2044.7	2138.1	2054.1	1906.1	1789.1	1623.5	1058.9
-20°	1920.6	1806.2	1799.6	1862.4	1951.2	1970.3	1942.8	1813.8	1659.6	1325.6	849.9



REPORT NUMBER: P1306014 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-1S-CV2-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1737.8	1712.9	1744.6	1815.1	1749.4	1754.4	1736.7	1650.8	1493.0	1014.7	656.0
-25°	1624.7	1644.8	1721.4	1704.0	1594.1	1553.5	1561.1	1469.9	1178.5	759.2	499.3
-27.5°	1577.0	1641.8	1693.4	1644.9	1533.4	1444.2	1393.5	1269.0	875.3	595.9	454.9
-30°	1581.0	1644.1	1652.3	1579.3	1477.8	1384.3	1253.3	956.7	671.1	468.6	420.4
-32.5°	1615.1	1615.6	1579.8	1491.5	1408.5	1312.0	1030.0	701.4	496.5	434.7	400.0
-35°	1607.4	1542.7	1458.3	1401.3	1355.1	1104.4	800.5	538.6	438.0	406.8	383.2
-37.5°	1547.1	1426.6	1364.8	1297.7	1110.9	856.8	574.3	455.3	413.2	389.4	370.8
-40°	1504.8	1379.6	1192.4	1038.3	809.7	555.6	470.9	428.6	399.6	375.0	360.3
-42.5°	1309.8	1113.5	908.0	688.2	512.4	475.2	440.0	411.0	387.9	368.4	336.7
-45°	908.2	708.2	534.1	499.6	465.0	440.3	417.6	399.5	382.6	348.6	309.4
-47.5°	536.4	507.5	477.0	454.0	434.3	417.1	408.8	394.7	359.1	322.3	283.1
-50°	480.2	466.4	448.5	429.9	422.7	415.3	394.6	364.8	330.7	294.8	256.9
-52.5°	466.8	457.6	447.3	435.2	414.3	391.4	364.7	334.8	302.4	267.0	230.8
-55°	480.8	460.7	437.6	413.4	387.6	361.3	333.7	303.9	272.1	238.0	205.3
-57.5°	456.6	433.7	408.0	381.7	354.9	326.4	297.3	268.5	240.3	209.5	179.7
-60°	420.6	395.4	370.1	342.6	312.8	284.1	259.2	233.6	207.2	182.6	157.6
-62.5°	377.6	354.8	326.1	296.3	269.5	245.7	222.1	199.2	178.4	157.1	128.1
-65°	309.3	285.3	262.2	240.9	220.6	201.7	181.9	160.6	138.4	116.7	92.2
-67.5°	230.3	213.0	196.8	180.8	163.5	146.0	127.0	108.4	92.7	77.6	59.9
-70°	150.6	137.0	123.4	110.2	99.1	88.9	77.4	65.1	52.4	44.0	36.7
-72.5°	83.4	75.0	66.9	59.4	51.2	46.3	41.9	37.0	31.8	26.3	22.0
-75°	42.6	38.8	35.3	32.5	29.4	25.9	23.9	22.5	21.1	19.8	18.3
-77.5°	25.1	23.6	22.4	21.5	20.6	19.6	18.6	17.6	16.6	15.6	14.4
-80°	18.1	17.3	16.5	15.9	15.2	14.6	13.9	13.1	12.2	11.5	10.9
-82.5°	12.3	11.8	11.2	11.0	10.7	10.4	10.1	9.7	9.3	8.9	8.6
-85°	8.3	8.0	7.7	7.7	7.6	7.4	7.3	7.2	7.1	6.9	6.8
-87.5°	6.2	6.0	5.8	5.8	5.7	5.7	5.6	5.6	5.6	5.6	5.5
-90°	1.2	1.4	1.6	1.8	2.1	2.3	2.5	2.5	2.5	2.5	2.5



REPORT NUMBER: P1306014 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-1S-CV2-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.7	4.5	4.3
87.5°	2.7	2.9	3.1	3.3	3.3	3.3	3.3	3.3	3.5	3.7	3.9
85°	2.7	2.9	3.1	3.3	3.3	3.3	3.3	3.3	3.5	3.7	3.9
82.5°	2.7	2.9	3.1	3.3	3.4	3.5	3.5	3.5	3.6	3.7	3.9
80°	3.1	3.1	3.2	3.3	3.5	3.7	3.8	3.9	3.8	3.9	4.0
77.5°	3.4	3.4	3.3	3.4	3.5	3.7	3.9	4.1	4.0	4.0	4.0
75°	3.6	3.7	3.7	3.7	3.7	3.8	4.0	4.1	4.1	4.1	4.1
72.5°	3.6	3.8	4.0	4.1	4.0	3.9	4.0	4.1	4.1	4.1	4.1
70°	4.1	3.9	4.0	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
67.5°	5.0	4.4	4.1	4.1	4.1	4.1	4.1	4.2	4.2	4.1	4.1
65°	9.8	6.4	4.1	4.1	4.1	4.1	4.1	4.3	4.4	4.3	4.1
62.5°	13.7	9.8	6.7	4.7	4.1	4.1	4.1	4.3	4.5	4.5	4.2
60°	16.6	12.1	9.1	6.8	4.9	4.1	4.2	4.3	4.5	4.7	4.5
57.5°	16.0	13.4	11.1	8.7	6.5	4.7	4.2	4.4	4.6	4.7	4.7
55°	14.1	12.1	12.3	10.3	7.9	5.8	4.6	4.4	4.6	4.8	4.9
52.5°	11.0	11.4	12.3	11.5	9.2	6.9	5.4	4.5	4.6	4.8	4.9
50°	8.9	10.5	12.3	12.4	10.5	8.1	6.2	5.0	4.7	4.9	4.9
47.5°	9.1	10.6	11.8	13.3	12.0	9.1	7.0	5.6	4.7	4.9	4.9
45°	10.5	11.6	12.1	13.1	13.4	10.2	7.8	6.0	5.1	4.9	4.9
42.5°	12.5	13.4	13.7	13.1	13.3	11.1	8.4	6.5	5.4	5.0	4.9
40°	17.1	15.7	15.8	15.5	13.5	11.7	9.0	7.0	5.6	5.1	5.0
37.5°	22.4	19.8	18.3	19.8	15.2	12.4	9.4	7.3	6.0	5.4	5.1
35°	29.4	25.2	24.0	25.4	20.6	13.5	9.7	7.6	6.6	5.6	5.2
32.5°	37.4	36.6	36.4	31.7	27.5	15.0	10.4	8.5	7.3	5.9	5.3
30°	56.3	56.8	53.8	39.1	35.1	21.3	12.3	9.6	8.1	6.1	5.5
27.5°	88.2	80.6	75.2	54.5	42.2	29.0	14.8	10.9	8.9	6.5	5.7
25°	122.5	109.3	98.3	75.1	49.9	39.0	17.3	12.3	9.9	7.1	5.8
22.5°	162.8	138.9	123.8	98.7	62.4	50.1	22.6	14.5	11.0	7.8	6.0
20°	203.0	168.2	151.6	121.0	80.7	60.5	31.2	16.5	12.2	8.5	6.2
17.5°	248.1	205.2	181.7	143.6	100.7	72.0	40.3	18.5	13.4	9.3	6.3
15°	337.3	251.7	214.6	168.4	119.1	84.4	49.6	20.4	14.7	10.0	6.5
12.5°	445.2	298.1	249.9	195.0	136.1	97.4	58.9	22.2	15.9	10.8	6.8
10°	563.9	344.1	286.7	222.4	151.5	110.6	68.1	24.8	17.4	11.5	7.1
7.5°	687.9	389.0	324.1	249.8	168.7	130.9	90.2	29.4	18.9	12.3	7.4
5°	808.6	432.0	364.8	290.6	201.8	158.1	115.2	34.3	20.4	12.9	7.7
2.5°	910.4	471.5	405.4	331.3	234.1	184.2	140.0	39.1	21.8	13.5	7.9
0°	997.9	508.4	443.3	369.2	265.3	209.3	163.2	43.7	23.1	14.0	8.2
-2.5°	929.8	510.7	447.6	383.6	288.6	229.6	176.2	55.4	30.0	17.7	9.9
-5°	850.0	510.9	450.7	395.8	310.3	248.2	186.4	66.3	36.6	21.2	11.5
-7.5°	845.7	513.0	454.3	405.7	330.0	264.9	193.6	76.3	42.6	24.4	13.0
-10°	835.2	515.2	458.8	407.7	334.0	271.1	196.8	85.1	48.0	27.3	14.3
-12.5°	792.4	515.0	462.4	407.1	332.9	268.1	190.6	91.9	52.8	29.7	15.4
-15°	713.1	512.3	465.5	403.6	328.9	263.8	183.5	97.3	57.8	32.3	16.2
-17.5°	587.7	507.3	468.3	397.3	321.9	258.1	175.9	101.3	62.0	35.3	17.4
-20°	531.2	490.2	468.6	388.1	311.6	251.3	168.2	104.0	65.2	37.6	18.8



REPORT NUMBER: P1306014 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-1S-CV2-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	494.6	464.6	437.6	375.6	299.9	243.2	160.8	105.2	67.4	39.0	19.6
-25°	455.1	437.9	405.8	349.4	289.1	231.0	157.5	104.9	68.6	39.6	19.9
-27.5°	422.3	408.9	378.4	324.2	273.0	220.3	156.3	105.8	68.9	39.3	19.6
-30°	391.7	380.7	351.2	301.4	256.1	204.2	153.1	105.4	68.4	38.7	18.7
-32.5°	373.8	359.2	325.1	281.8	237.3	187.4	143.9	103.5	66.7	37.6	18.2
-35°	364.3	338.5	301.3	261.6	217.8	173.1	132.4	100.1	63.6	35.6	17.7
-37.5°	353.6	316.9	278.8	240.5	198.1	158.2	122.3	91.3	59.1	32.6	16.7
-40°	329.3	293.7	256.5	219.0	180.4	142.7	111.2	81.7	54.5	28.7	15.2
-42.5°	303.6	268.4	233.3	197.5	162.8	129.4	99.3	71.5	47.3	25.7	13.4
-45°	275.4	242.5	209.5	177.5	145.1	115.2	87.2	60.9	39.4	23.0	11.9
-47.5°	246.5	216.4	186.7	157.2	128.5	100.4	74.5	51.6	31.2	19.7	11.5
-50°	218.7	191.4	164.7	138.4	111.4	85.5	61.6	41.8	26.4	15.5	11.0
-52.5°	195.9	167.9	144.2	120.1	94.5	69.9	50.2	32.0	21.4	13.5	10.3
-55°	173.5	146.4	124.9	100.7	76.7	56.2	38.3	26.1	16.2	12.5	9.6
-57.5°	153.2	127.0	103.1	80.0	60.2	42.7	29.5	20.0	14.0	11.4	9.2
-60°	131.4	102.9	79.2	61.1	44.5	31.5	22.4	15.3	12.8	10.4	8.6
-62.5°	101.0	77.0	58.6	43.1	32.0	23.4	16.1	13.8	11.5	9.7	8.0
-65°	72.0	53.9	38.8	30.5	22.6	16.7	14.5	12.4	10.6	9.0	7.5
-67.5°	43.8	35.3	27.2	19.9	16.8	14.8	12.9	11.3	9.8	8.3	7.1
-70°	29.2	22.1	18.5	16.6	14.8	13.0	11.7	10.4	9.0	7.8	6.7
-72.5°	19.9	17.9	16.1	14.4	12.9	11.6	10.5	9.5	8.3	7.2	6.2
-75°	16.6	15.0	13.6	12.3	11.1	10.2	9.4	8.5	7.5	6.6	5.9
-77.5°	13.2	12.0	11.0	10.2	9.4	8.8	8.2	7.6	6.8	6.2	5.6
-80°	10.3	9.6	9.0	8.3	7.8	7.4	7.1	6.8	6.3	5.8	5.3
-82.5°	8.1	7.6	7.1	6.7	6.5	6.4	6.3	6.2	5.8	5.4	5.0
-85°	6.4	6.0	5.7	5.3	5.3	5.4	5.5	5.7	5.4	5.1	4.8
-87.5°	5.4	5.2	5.0	4.9	5.0	5.1	5.2	5.3	5.0	4.8	4.5
-90°	2.7	2.9	3.1	3.3	3.3	3.3	3.3	3.3	3.5	3.7	3.9



REPORT NUMBER: P1306014 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-1S-CV2-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1
87.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1
85°	4.1	4.1	4.1	4.1	4.1	4.1	4.1
82.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1
80°	4.1	4.1	4.1	4.1	4.1	4.1	4.1
77.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1
75°	4.1	4.1	4.1	4.1	4.1	4.1	4.1
72.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1
70°	4.1	4.1	4.1	4.1	4.1	4.1	4.1
67.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1
65°	4.2	4.1	4.1	4.1	4.1	4.1	4.1
62.5°	4.2	4.2	4.1	4.1	4.1	4.1	4.1
60°	4.3	4.3	4.1	4.1	4.1	4.1	4.1
57.5°	4.4	4.3	4.2	4.1	4.1	4.1	4.1
55°	4.6	4.4	4.3	4.1	4.1	4.1	4.1
52.5°	4.7	4.5	4.3	4.1	4.1	4.1	4.1
50°	4.8	4.6	4.4	4.1	4.1	4.1	4.1
47.5°	4.9	4.7	4.5	4.1	4.1	4.1	4.1
45°	4.9	4.8	4.6	4.2	4.1	4.1	4.1
42.5°	4.9	4.8	4.7	4.3	4.1	4.1	4.1
40°	4.9	4.9	4.8	4.3	4.1	4.1	4.1
37.5°	4.9	4.9	4.8	4.4	4.1	4.1	4.1
35°	4.9	4.9	4.9	4.5	4.1	4.1	4.1
32.5°	4.9	4.9	4.9	4.5	4.1	4.1	4.1
30°	5.0	4.9	4.9	4.6	4.1	4.1	4.1
27.5°	5.1	4.9	4.9	4.6	4.1	4.1	4.1
25°	5.2	4.9	4.9	4.7	4.1	4.1	4.1
22.5°	5.3	4.9	4.9	4.7	4.1	4.1	4.1
20°	5.5	5.0	4.9	4.8	4.1	4.1	4.1
17.5°	5.6	5.1	4.9	4.8	4.1	4.1	4.1
15°	5.8	5.2	4.9	4.8	4.1	4.1	4.1
12.5°	5.9	5.3	4.9	4.8	4.1	4.1	4.1
10°	6.1	5.4	4.9	4.9	4.1	4.1	4.1
7.5°	6.2	5.5	4.9	4.9	4.1	4.1	4.1
5°	6.4	5.6	4.9	4.9	4.1	4.1	4.1
2.5°	6.5	5.7	4.9	4.9	4.1	4.1	4.1
0°	6.6	5.8	4.9	4.9	4.1	4.1	4.1
-2.5°	7.0	5.9	5.0	4.9	4.1	4.1	4.1
-5°	7.4	6.0	5.1	4.9	4.2	4.1	4.1
-7.5°	7.8	6.0	5.1	4.9	4.2	4.1	4.1
-10°	8.2	6.1	5.2	4.9	4.2	4.1	4.1
-12.5°	8.4	6.1	5.3	4.9	4.3	4.1	4.1
-15°	8.6	6.2	5.3	4.8	4.3	4.1	4.1
-17.5°	8.8	6.2	5.3	4.8	4.3	4.1	4.1
-20°	9.1	6.2	5.4	4.8	4.3	4.1	4.1



REPORT NUMBER: P1306014 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-1S-CV2-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	9.6	6.3	5.4	4.8	4.4	4.1	4.1
-25°	9.9	6.4	5.4	4.8	4.4	4.1	4.1
-27.5°	10.0	6.6	5.4	4.8	4.4	4.1	4.1
-30°	9.8	6.7	5.3	4.8	4.4	4.1	4.1
-32.5°	9.3	6.8	5.4	4.8	4.4	4.1	4.1
-35°	9.2	6.9	5.4	4.8	4.4	4.1	4.1
-37.5°	9.2	6.8	5.4	4.9	4.4	4.1	4.1
-40°	9.1	6.8	5.3	4.9	4.4	4.1	4.1
-42.5°	9.0	6.8	5.3	4.9	4.4	4.1	4.1
-45°	8.7	6.7	5.4	4.9	4.3	4.1	4.1
-47.5°	8.4	6.5	5.4	5.0	4.3	4.1	4.1
-50°	8.2	6.4	5.4	4.9	4.3	4.1	4.1
-52.5°	7.9	6.2	5.4	4.8	4.2	4.1	4.1
-55°	7.6	6.1	5.3	4.8	4.2	4.1	4.1
-57.5°	7.3	6.0	5.3	4.7	4.1	4.1	4.1
-60°	6.9	5.9	5.2	4.6	4.1	4.1	4.1
-62.5°	6.7	5.7	5.1	4.5	4.1	4.1	4.1
-65°	6.4	5.6	5.0	4.5	4.1	4.1	4.1
-67.5°	6.1	5.4	4.9	4.4	4.1	4.1	4.1
-70°	5.8	5.2	4.8	4.3	4.1	4.1	4.1
-72.5°	5.5	5.1	4.6	4.3	4.1	4.1	4.1
-75°	5.3	4.9	4.5	4.2	4.1	4.1	4.1
-77.5°	5.1	4.7	4.4	4.2	4.1	4.1	4.1
-80°	4.9	4.6	4.4	4.2	4.1	4.1	4.1
-82.5°	4.7	4.5	4.3	4.2	4.1	4.1	4.1
-85°	4.5	4.4	4.2	4.2	4.1	4.1	4.1
-87.5°	4.3	4.2	4.2	4.1	4.1	4.1	4.1
-90°	4.1	4.1	4.1	4.1	4.1	4.1	4.1

(END OF REPORT)