

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: P1306116 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-57-80-2S-VHE-A**

Issue Date: 2/3/2026

Test Information

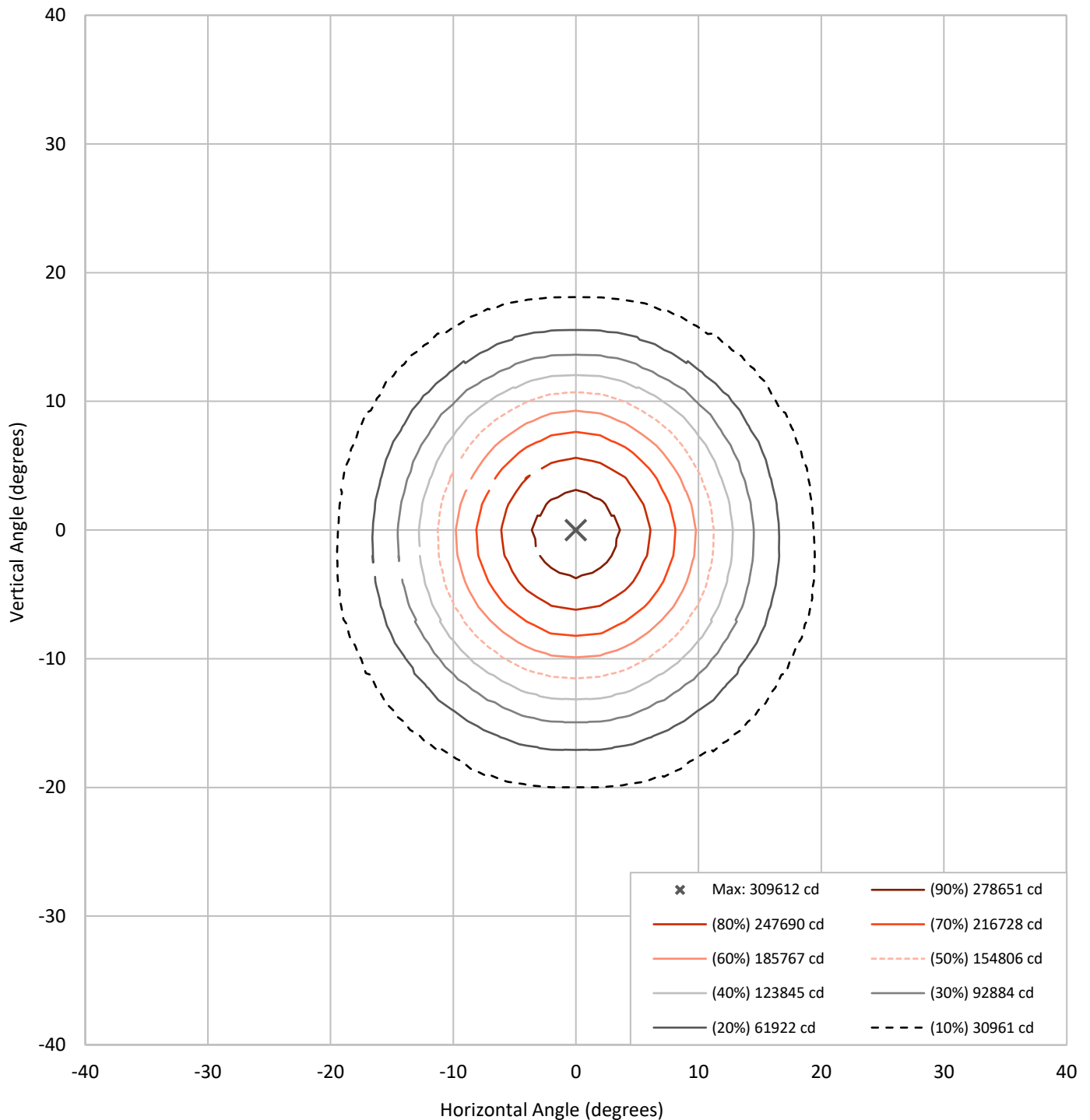
Test Method: LM-79-08
Report Number: P1306116 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-2)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-320N-57-80-2S-VHE-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 5700K, 80 CRI LEDS AND 2S BEAM SHAPE WITH ANODIZED CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	54115.6 lumens	Max Intensity:	309612 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	159.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	22.5°H x 22.2°V	Field Angle (10%):	38.8°H x 38.1°V
Beam Lumens:	25287.3 lumens	Field Lumens:	45048.8 lumens
Beam Efficiency:	46.7%	Field Efficiency:	83.2%
Input Watts (W):	340		
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: P1306116 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-320N-57-80-2S-VHE-A

Iso-Candela Plot





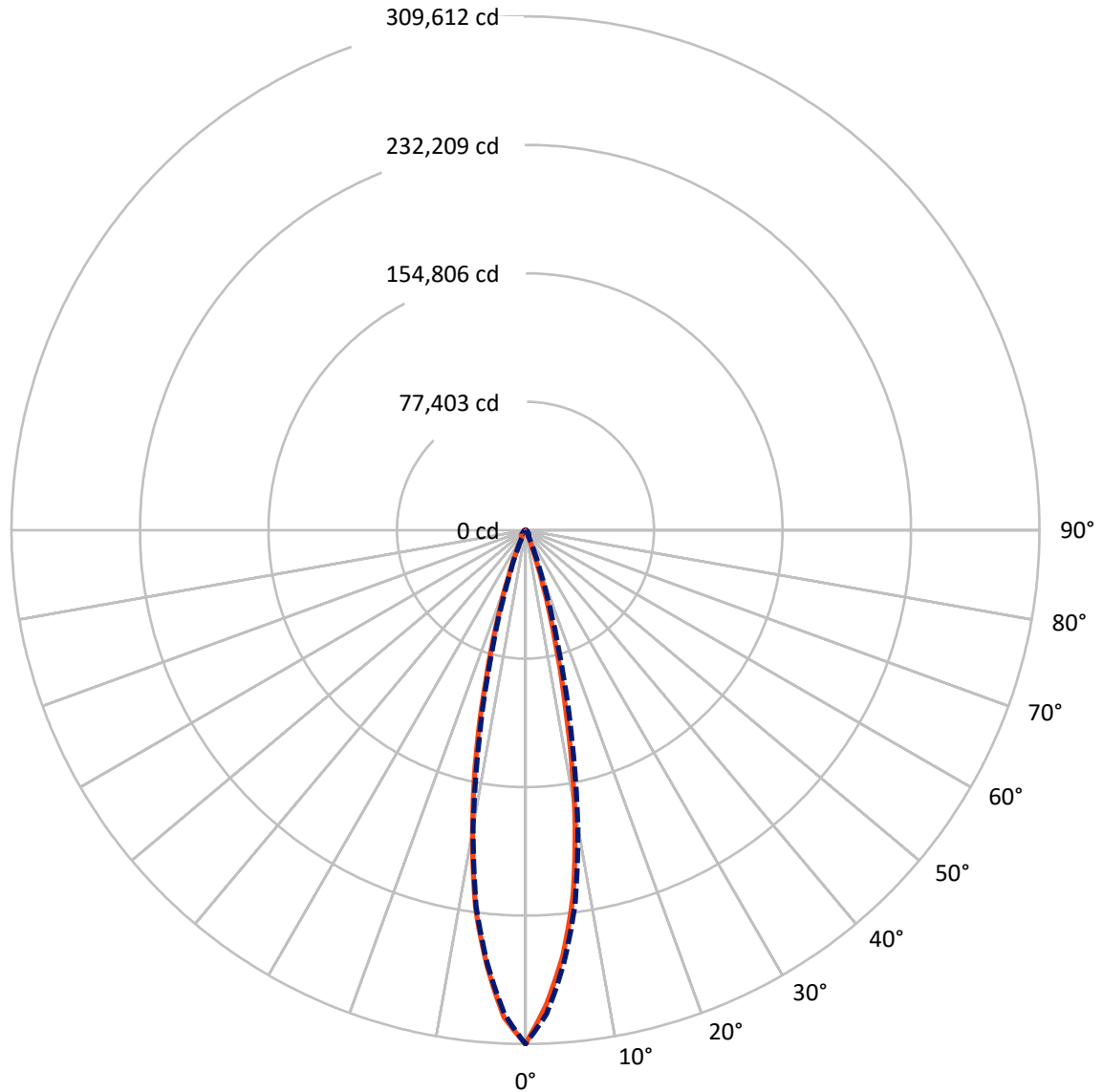
REPORT NUMBER: P1306116 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-80-2S-VHE-A

Lumen Table

90	0.1	0.4		0.8		1.2		1.4		1.2		0.8		0.4		0.1			
80	0.1	0.4		0.8		1.2		1.4		1.2		0.8		0.4		0.1			
70	0.1	0.1	0.1	0.4	0.5	0.5	0.4	0.5	0.5	0.4	0.5	0.5	0.4	0.1	0.1	0.1			
60		0.2	0.4	0.6	0.5	0.5	0.5	0.6	0.6	0.5	0.5	0.5	0.6	0.4	0.2				
50	0.4	0.7	1.6	3.2	5.7	9.3	14.3	16.8	16.8	14.3	9.3	5.7	3.2	1.6	0.7	0.4			
40		1.7	5.3	10.3	20.1	35.1	42.6	47.3	47.3	42.6	35.1	20.1	10.3	5.3	1.7				
30	1.1	2.9	8.8	18.8	46.0	53.5	73.8	134.8	134.8	73.8	53.5	46.0	18.8	8.8	2.9	1.1			
20		3.9	11.5	33.0	64.8	95.3	604.2	1949.0	1949.0	604.2	95.3	64.8	33.0	11.5	3.9				
10	1.6	4.7	13.3	43.1	74.3	213.0	2140.7	6435.2	6435.2	2140.7	213.0	74.3	43.1	13.3	4.7	1.6			
0		5.1	14.6	45.5	81.7	244.2	2331.3	6692.4	6692.4	2331.3	244.2	81.7	45.5	14.6	5.1				
-10	1.7	5.2	15.3	43.8	86.0	139.8	854.4	2503.0	2503.0	854.4	139.8	86.0	43.8	15.3	5.2	1.7			
-20		4.8	15.0	33.5	81.1	111.1	154.4	308.8	308.8	154.4	111.1	81.1	33.5	15.0	4.8				
-30	1.4	4.1	13.1	26.2	56.7	99.8	116.9	122.6	122.6	116.9	99.8	56.7	26.2	13.1	4.1	1.4			
-40		3.1	9.9	21.2	33.8	52.0	79.0	99.2	99.2	79.0	52.0	33.8	21.2	9.9	3.1				
-50	1.1	2.0	6.3	13.9	23.7	32.0	38.2	42.2	42.2	38.2	32.0	23.7	13.9	6.3	2.0	1.1			
-60		1.4	3.2	7.0	12.1	17.0	21.3	24.0	24.0	21.3	17.0	12.1	7.0	3.2	1.4				
-70	0.8	5.0		12.0		20.1		24.5		20.1		12.0		5.0		0.8			
-80		5.0		12.0		20.1		24.5		20.1		12.0		5.0					
-90	0.8	5.0		12.0		20.1		24.5		20.1		12.0		5.0		0.8			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P1306116 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-320N-57-80-2S-VHE-A

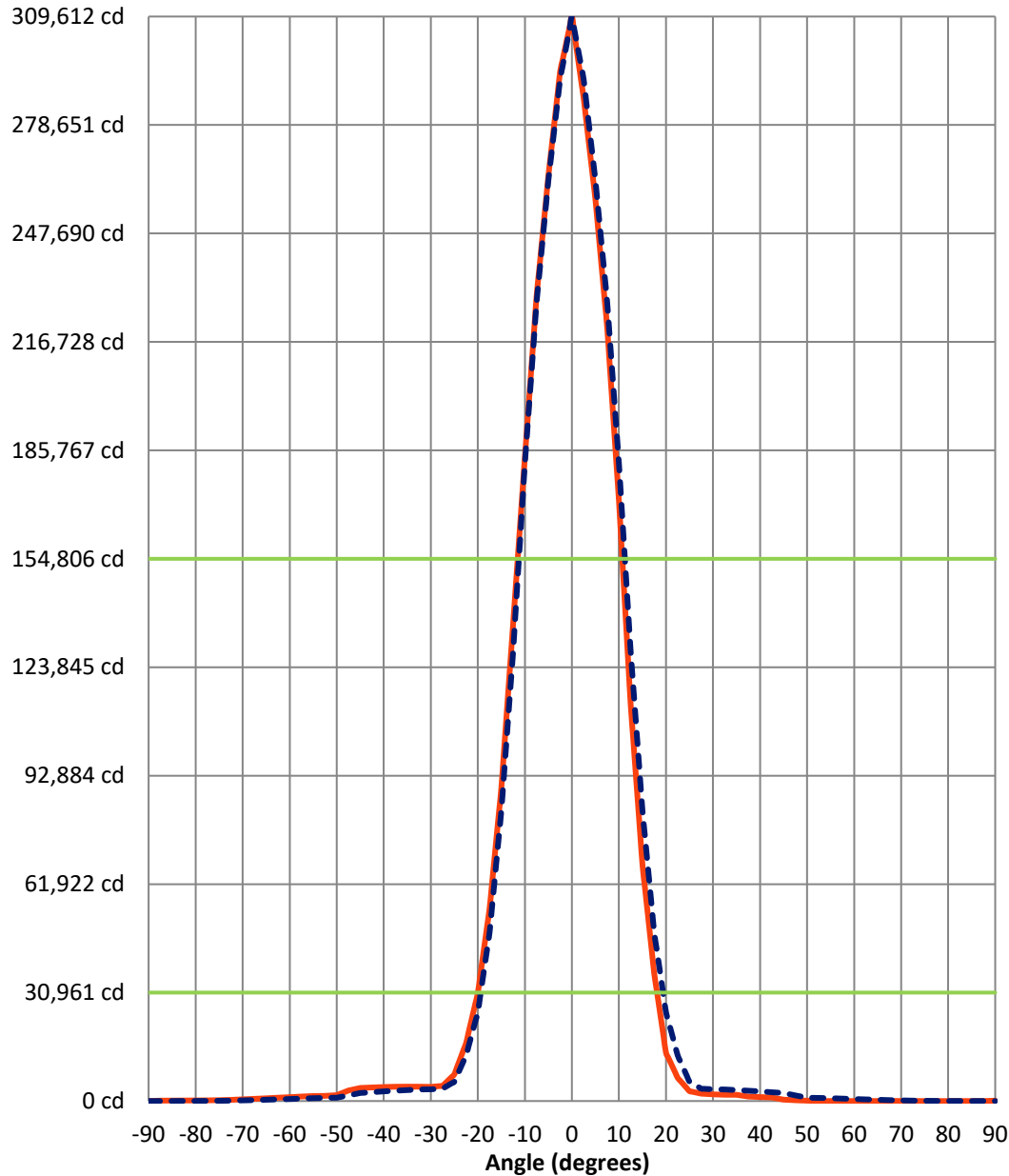
Luminous Intensity Polar Plot



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

REPORT NUMBER: P1306116 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-80-2S-VHE-A

Luminous Intensity Plot



Beam:
 H Angle: 22.5°
 V Angle: 22.2°
 Lumens: 25287.3
 Efficiency: 46.7%

Field:
 H Angle: 38.8°
 V Angle: 38.1°
 Lumens: 45048.8
 Efficiency: 83.2%

Spill:
 Lumens: 9066.8
 Efficiency: 16.8%

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



REPORT NUMBER: P1306116 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-80-2S-VHE-A

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	3.2	6.6	10.1	17.3	24.6	30.9	37.3	42.1	46.8	50.6	54.3
87.5°	3.2	3.3	3.3	3.3	3.3	3.3	3.4	3.3	3.2	3.2	3.2
85°	3.2	3.4	3.4	3.4	3.4	3.5	3.5	3.4	3.2	3.2	3.2
82.5°	3.2	3.4	3.5	3.6	3.5	3.6	3.7	3.5	3.2	3.3	3.4
80°	3.2	3.5	3.6	3.7	3.6	3.7	3.8	3.7	3.7	3.7	3.6
77.5°	3.2	3.6	3.7	3.8	3.7	3.9	4.0	4.0	4.1	4.1	3.9
75°	3.2	3.7	3.8	3.9	3.9	4.1	4.2	4.2	4.4	4.4	4.2
72.5°	3.2	3.8	4.0	4.0	4.1	4.3	4.3	4.5	4.7	4.6	4.5
70°	3.2	3.8	4.1	4.2	4.3	4.5	4.6	4.8	5.0	4.9	4.9
67.5°	3.2	3.9	4.2	4.4	4.6	4.8	4.9	5.1	5.3	5.4	5.3
65°	3.2	4.0	4.3	4.5	4.8	5.1	5.3	5.5	5.9	5.8	5.8
62.5°	3.2	4.1	4.4	4.7	5.0	5.5	5.7	6.2	6.6	6.5	6.8
60°	3.2	4.2	4.6	4.9	5.2	5.8	6.2	7.0	7.4	7.8	7.9
57.5°	3.2	4.2	4.7	5.0	5.7	6.2	7.2	8.0	9.0	9.4	10.6
55°	3.2	4.3	4.9	5.2	6.1	6.6	8.4	9.2	10.8	11.7	14.2
52.5°	3.2	4.4	5.1	5.4	6.6	7.2	9.6	11.2	12.8	16.1	18.2
50°	3.2	4.5	5.4	5.5	7.1	8.5	11.0	13.3	15.7	20.9	26.0
47.5°	3.2	4.6	5.6	5.7	7.6	9.9	12.5	15.6	20.6	26.2	35.3
45°	3.2	4.6	5.8	6.2	8.2	11.3	14.5	17.9	25.9	35.5	45.4
42.5°	3.2	4.7	6.1	6.6	8.8	12.8	16.5	21.8	31.7	45.5	61.8
40°	3.2	4.8	6.4	7.2	9.7	14.3	18.7	27.0	39.0	56.3	80.4
37.5°	3.2	4.9	6.7	8.0	10.9	15.9	21.1	32.4	49.5	70.2	100.2
35°	3.2	4.9	7.0	8.8	12.1	17.7	23.5	38.0	60.5	88.7	122.5
32.5°	3.2	5.0	7.3	9.6	13.2	19.6	26.6	43.7	71.9	107.6	146.2
30°	3.2	5.1	7.6	10.4	14.4	21.5	31.3	50.4	83.8	126.7	168.7
27.5°	3.2	5.2	7.9	11.2	16.0	23.4	36.0	59.1	96.0	145.9	190.0
25°	3.2	5.2	8.3	12.1	17.5	25.3	40.5	67.4	108.8	164.1	210.3
22.5°	3.2	5.3	8.6	12.9	19.0	27.3	45.0	75.2	120.6	176.4	232.2
20°	3.2	5.3	8.9	13.8	20.4	29.3	49.3	82.5	131.3	187.8	249.2
17.5°	3.2	5.4	9.3	14.7	21.8	31.3	53.3	89.3	141.1	198.3	265.4
15°	3.2	5.5	9.6	15.5	23.1	33.2	56.8	95.2	149.8	207.9	280.9
12.5°	3.2	5.5	9.9	16.4	24.4	34.9	60.1	100.3	158.0	216.4	295.6
10°	3.2	5.6	10.3	17.2	25.6	36.6	63.0	104.8	165.8	227.0	310.8
7.5°	3.2	5.6	10.6	18.0	26.7	38.2	65.6	108.7	172.9	237.2	328.0
5°	3.2	5.6	10.9	18.8	27.8	39.7	67.9	112.1	179.0	246.6	343.9
2.5°	3.2	5.7	11.1	19.5	28.8	41.1	69.8	114.8	184.2	255.0	358.1
0°	3.2	5.7	11.4	20.2	29.7	42.3	71.4	116.9	188.3	262.2	370.3
-2.5°	3.2	5.9	12.0	21.1	31.0	44.1	73.7	121.2	194.1	269.8	376.7
-5°	3.2	6.2	12.6	21.9	32.2	45.7	75.6	124.7	198.6	275.9	381.0
-7.5°	3.2	6.4	13.1	22.7	33.4	47.2	77.2	127.5	201.9	280.6	383.3
-10°	3.2	6.6	13.6	23.4	34.4	48.6	78.3	129.4	203.9	283.7	383.7
-12.5°	3.2	6.9	14.1	24.1	35.4	49.8	79.1	130.4	204.5	285.0	383.3
-15°	3.2	7.1	14.6	24.7	36.2	50.8	79.5	130.4	203.0	282.7	380.6
-17.5°	3.2	7.3	15.0	25.3	37.0	51.7	79.5	129.1	199.3	278.8	375.0
-20°	3.2	7.5	15.4	25.8	37.7	52.4	79.2	126.6	194.3	273.1	366.2



REPORT NUMBER: P1306116 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.2	7.6	15.7	26.2	38.2	53.0	78.6	123.3	188.0	265.7	354.5
-25°	3.2	7.8	16.0	26.6	38.6	53.4	77.5	119.2	180.4	256.6	343.1
-27.5°	3.2	7.9	16.3	26.9	39.0	53.8	76.0	114.2	171.6	249.1	335.0
-30°	3.2	8.1	16.5	27.1	39.2	53.9	74.0	108.4	164.6	240.7	325.0
-32.5°	3.2	8.2	16.7	27.3	39.5	53.9	71.5	104.8	158.7	230.4	312.7
-35°	3.2	8.3	16.8	27.4	39.7	53.7	70.5	101.7	151.3	218.3	298.3
-37.5°	3.2	8.4	16.9	27.5	39.8	53.5	70.1	98.2	142.5	204.4	282.6
-40°	3.2	8.4	16.9	27.4	39.7	53.5	69.5	93.8	132.2	191.8	265.1
-42.5°	3.2	8.5	16.9	27.4	39.7	53.4	68.6	88.5	124.5	178.4	245.1
-45°	3.2	8.5	16.9	27.4	39.7	53.1	67.5	84.5	117.5	163.1	223.6
-47.5°	3.2	8.6	16.8	27.3	39.5	52.6	66.2	82.9	109.4	146.3	204.3
-50°	3.2	8.6	16.6	27.2	39.3	52.1	65.3	81.0	100.4	135.8	183.0
-52.5°	3.2	8.5	16.4	27.0	39.0	51.4	64.4	78.8	95.6	124.3	160.3
-55°	3.2	8.5	16.2	26.7	38.5	50.7	63.3	76.4	92.6	111.8	145.0
-57.5°	3.2	8.5	15.9	26.3	38.0	49.9	62.0	74.8	89.2	105.8	129.0
-60°	3.2	8.4	15.6	25.9	37.3	48.9	60.6	73.1	85.8	101.4	115.9
-62.5°	3.2	8.3	15.3	25.4	36.6	47.7	59.1	71.1	83.3	96.5	109.9
-65°	3.2	8.2	15.0	24.8	35.7	46.5	57.4	68.8	80.5	92.4	103.6
-67.5°	3.2	8.1	14.7	24.2	34.8	45.1	55.6	66.5	77.5	88.4	98.4
-70°	3.2	8.0	14.3	23.5	33.8	43.6	53.5	64.0	74.5	84.2	93.5
-72.5°	3.2	7.9	13.9	22.9	32.7	42.0	51.5	61.3	71.4	80.2	88.5
-75°	3.2	7.7	13.4	22.2	31.5	40.3	49.3	58.5	68.1	76.1	83.7
-77.5°	3.2	7.6	12.9	21.6	30.4	38.6	47.1	55.6	64.5	71.8	78.8
-80°	3.2	7.4	12.4	20.8	29.4	37.0	44.7	52.6	60.7	67.1	73.4
-82.5°	3.2	7.2	11.9	20.0	28.3	35.6	42.9	49.7	56.8	62.4	67.9
-85°	3.2	7.1	11.3	19.2	27.1	34.1	41.1	47.2	53.5	58.2	62.8
-87.5°	3.2	6.9	10.7	18.3	25.9	32.6	39.2	44.7	50.2	54.4	58.6
-90°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2



REPORT NUMBER: P1306116 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	57.2	60.0	62.6	65.1	68.0	70.8	74.0	77.1	80.3	83.4	86.0
87.5°	3.0	2.9	2.9	2.9	2.7	2.5	2.5	2.5	2.2	1.9	1.9
85°	3.2	3.2	3.2	3.2	2.9	2.7	2.6	2.5	2.3	2.2	2.3
82.5°	3.4	3.5	3.4	3.2	3.1	3.2	2.9	2.6	2.6	2.7	2.6
80°	3.7	3.8	3.6	3.4	3.3	3.2	3.1	3.1	3.2	3.2	3.0
77.5°	3.9	3.8	3.7	3.7	3.6	3.4	3.4	3.5	3.5	3.3	3.2
75°	4.1	3.9	3.9	3.8	3.7	3.7	3.8	3.8	3.7	3.6	3.5
72.5°	4.4	4.2	4.1	3.9	3.9	3.9	3.8	3.8	4.4	5.3	5.9
70°	4.7	4.6	4.5	4.3	4.2	4.2	5.0	6.4	7.9	9.2	10.8
67.5°	5.1	5.0	4.9	4.8	5.1	5.9	7.1	11.2	15.4	16.9	17.7
65°	5.7	5.6	5.6	5.9	6.3	9.5	13.7	18.6	23.8	24.8	23.8
62.5°	6.3	7.1	6.9	8.0	10.8	14.7	20.0	25.6	31.6	30.2	25.2
60°	8.7	9.2	10.2	12.6	15.8	20.2	26.1	28.5	31.1	31.5	24.4
57.5°	11.8	13.1	15.4	18.0	22.3	24.8	25.6	25.7	29.3	29.5	22.4
55°	16.4	18.6	22.2	25.3	28.0	25.3	25.3	27.6	28.9	26.6	19.9
52.5°	23.5	25.8	31.5	33.8	32.3	30.1	29.5	31.5	30.4	27.1	23.1
50°	31.4	38.2	42.0	43.8	40.3	39.8	36.6	38.5	39.6	37.9	39.6
47.5°	44.3	52.6	55.6	58.3	55.4	58.5	55.4	64.5	64.6	86.9	89.5
45°	59.9	71.0	74.6	81.0	85.9	88.7	106.3	107.5	154.8	173.3	213.2
42.5°	78.2	92.7	105.2	108.4	138.2	152.4	177.4	222.9	266.5	304.1	325.4
40°	101.6	117.1	143.3	172.7	206.6	239.9	277.1	330.6	376.6	396.9	407.6
37.5°	127.4	157.0	191.9	241.1	291.4	329.7	373.8	424.1	454.8	465.5	468.0
35°	155.0	197.6	256.2	307.9	361.8	413.2	454.3	502.4	512.7	521.3	568.6
32.5°	188.5	238.2	307.4	365.3	419.9	478.8	520.4	548.8	565.2	596.6	751.0
30°	222.1	280.5	349.0	410.5	474.2	530.1	569.8	597.4	616.1	763.8	1084.5
27.5°	249.8	316.8	384.8	456.4	526.7	582.8	621.0	646.1	755.2	1000.0	1493.8
25°	274.8	345.3	420.8	507.1	581.0	633.0	672.1	697.0	940.9	1440.8	1783.3
22.5°	298.4	373.0	461.4	560.6	635.0	679.2	716.8	851.9	1221.3	1887.6	2071.7
20°	321.4	406.1	505.5	605.9	685.7	718.5	757.9	1025.5	1582.0	2059.5	2261.3
17.5°	345.2	440.2	547.1	640.8	712.2	753.4	816.6	1194.0	1886.4	2210.1	2356.0
15°	369.1	472.3	581.0	671.5	738.2	787.7	950.9	1435.3	2075.1	2375.5	2513.0
12.5°	392.5	500.4	606.5	697.8	765.4	820.2	1073.8	1684.8	2245.6	2537.9	2719.9
10°	415.0	524.7	628.3	723.3	792.1	851.7	1197.9	1928.8	2399.5	2643.8	2796.4
7.5°	434.6	544.5	647.1	747.6	817.1	882.6	1334.0	2090.5	2465.0	2711.1	2835.1
5°	451.4	560.2	666.2	774.8	842.9	911.1	1457.6	2197.2	2489.9	2752.7	2875.6
2.5°	465.5	572.8	682.7	800.3	868.4	935.3	1544.3	2264.9	2506.9	2768.6	2915.4
0°	477.1	582.6	696.3	822.7	891.6	956.7	1608.8	2297.5	2512.4	2762.6	2952.8
-2.5°	484.6	596.9	721.6	844.3	910.6	974.6	1606.1	2316.7	2519.3	2794.5	3097.2
-5°	489.6	608.0	742.8	862.5	927.8	990.4	1578.7	2302.7	2534.5	2843.0	3191.5
-7.5°	492.2	615.5	759.0	877.3	944.1	1008.1	1544.7	2270.3	2612.3	2942.7	3250.8
-10°	493.0	619.9	762.4	884.3	959.2	1025.5	1488.7	2202.2	2673.8	2984.5	3268.0
-12.5°	496.3	622.0	760.6	887.2	972.0	1041.3	1419.6	2157.1	2756.5	3010.3	3261.7
-15°	495.9	621.2	755.6	886.4	987.7	1062.6	1327.7	2050.8	2806.9	3016.1	3244.9
-17.5°	491.7	617.7	747.8	883.3	1002.6	1078.5	1198.0	1831.8	2662.9	2990.5	3225.1
-20°	483.5	609.9	736.8	873.7	1010.9	1093.3	1182.5	1640.1	2366.6	2922.9	3187.7



REPORT NUMBER: P1306116 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	471.6	598.6	723.4	857.7	1006.9	1110.0	1193.3	1453.6	2074.0	2822.7	3127.1
-25°	457.8	582.7	708.0	849.0	1001.1	1125.9	1195.5	1280.4	1819.4	2490.8	3022.6
-27.5°	442.5	563.2	691.0	830.6	992.1	1123.0	1194.6	1274.7	1548.3	2082.5	2856.3
-30°	424.7	541.2	667.5	803.9	960.1	1092.8	1191.8	1258.0	1341.6	1762.4	2422.2
-32.5°	405.0	516.3	639.6	773.6	919.0	1059.1	1175.3	1244.7	1318.0	1462.1	1994.0
-35°	385.8	492.3	608.8	738.8	877.0	1013.2	1132.2	1230.6	1292.2	1373.2	1616.0
-37.5°	367.9	465.4	575.0	700.8	834.4	956.3	1084.9	1191.6	1276.0	1334.7	1432.8
-40°	347.2	435.3	540.4	658.1	778.2	894.2	1016.6	1136.6	1240.1	1317.5	1376.0
-42.5°	324.0	408.2	503.2	607.8	718.8	829.2	944.9	1063.8	1177.4	1279.4	1352.0
-45°	298.8	377.8	463.4	558.3	656.8	762.1	872.3	984.7	1097.5	1210.0	1299.5
-47.5°	269.6	344.5	425.6	505.5	596.3	693.0	795.5	901.2	1005.5	1114.0	1217.0
-50°	239.3	308.5	382.6	456.3	535.1	622.5	716.3	815.0	914.0	1014.2	1113.5
-52.5°	211.7	269.2	337.5	407.0	476.6	551.3	636.2	726.3	819.6	914.2	1001.1
-55°	182.3	234.1	290.2	355.3	420.6	485.6	554.6	636.1	720.7	808.4	886.3
-57.5°	159.7	198.7	247.1	300.9	361.6	423.1	483.7	544.9	620.5	698.4	763.9
-60°	140.9	169.0	206.1	251.6	299.9	356.8	413.7	470.6	529.0	584.8	645.3
-62.5°	123.7	146.6	172.8	204.5	246.5	290.4	340.9	393.3	446.8	494.9	539.4
-65°	116.3	127.3	146.9	170.6	194.7	232.2	272.7	313.9	360.3	403.0	443.0
-67.5°	108.5	118.7	128.8	141.4	163.0	185.2	207.5	243.9	280.3	313.3	346.0
-70°	102.2	110.1	119.0	128.2	137.5	150.3	170.2	190.8	211.4	234.2	261.8
-72.5°	96.1	103.1	110.3	117.4	125.7	134.5	143.6	152.9	167.2	184.7	200.6
-75°	90.2	96.0	102.4	109.0	115.6	122.3	129.7	138.3	146.8	155.3	163.3
-77.5°	84.5	89.8	95.1	100.7	106.4	112.3	118.8	125.6	132.6	139.7	145.8
-80°	78.5	83.5	88.1	92.8	97.9	103.0	108.4	114.0	120.2	126.7	132.2
-82.5°	72.0	76.2	80.4	84.6	89.3	94.0	98.6	103.3	108.3	113.6	118.2
-85°	65.9	68.8	72.4	76.0	80.2	84.4	88.4	92.3	96.7	101.1	104.7
-87.5°	61.5	64.4	67.3	70.1	73.5	76.8	80.1	83.3	87.0	90.6	93.4
-90°	2.9	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.2	1.9	1.9



REPORT NUMBER: P1306116 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	88.5	90.4	92.3	93.3	94.2	96.1	97.9	100.8	103.6	106.8	109.9
87.5°	1.9	1.9	1.9	1.9	1.8	1.6	1.3	1.3	1.3	1.3	1.3
85°	2.3	2.3	2.3	2.1	1.9	1.9	1.8	1.8	1.9	1.6	1.3
82.5°	2.5	2.5	2.5	2.4	2.3	2.1	1.9	1.9	1.9	1.9	1.9
80°	2.7	2.6	2.5	2.5	2.5	2.4	2.4	2.2	1.9	2.2	2.4
77.5°	3.2	3.0	2.8	2.7	2.5	2.4	2.1	2.0	1.9	1.9	1.9
75°	3.3	3.4	3.8	3.9	3.7	3.4	2.9	2.8	2.9	2.8	2.5
72.5°	6.5	6.8	7.0	7.6	7.9	8.3	9.0	10.2	11.6	12.9	14.2
70°	12.9	14.7	15.1	15.2	15.1	15.6	16.3	17.0	18.0	18.8	19.6
67.5°	19.9	21.4	21.6	22.0	21.5	20.6	19.8	19.7	20.9	22.2	23.6
65°	24.2	22.7	21.5	21.2	20.9	19.8	18.1	16.9	16.6	16.4	16.4
62.5°	21.8	18.7	17.6	17.3	16.3	15.1	12.9	11.1	10.1	9.6	9.7
60°	18.9	15.2	12.9	11.9	10.4	8.8	7.5	6.1	5.7	5.5	5.6
57.5°	15.5	11.6	8.9	8.5	7.4	5.8	4.8	3.8	3.6	3.6	3.9
55°	14.2	12.2	10.2	9.5	8.2	7.5	6.5	5.1	4.8	5.1	5.6
52.5°	18.5	17.4	16.4	16.5	18.2	16.9	12.6	17.6	20.5	20.5	19.5
50°	40.6	36.5	52.1	50.2	62.6	71.0	64.5	72.4	83.7	91.7	97.2
47.5°	115.8	120.1	138.7	154.9	167.9	182.5	197.3	206.2	208.5	223.3	233.4
45°	233.2	247.2	268.0	278.5	299.0	323.2	340.2	347.9	392.5	448.1	484.0
42.5°	338.5	349.3	365.6	402.6	440.1	523.2	618.5	621.9	707.9	784.2	862.2
40°	412.1	432.4	490.5	578.3	781.0	939.1	1051.6	1162.0	1180.3	1144.5	1164.0
37.5°	507.4	580.0	727.1	964.0	1139.3	1298.1	1362.1	1370.4	1392.7	1406.7	1384.4
35°	687.0	928.9	1050.9	1252.3	1379.8	1410.8	1430.2	1449.2	1467.4	1479.9	1493.5
32.5°	1080.4	1380.0	1396.1	1447.9	1471.7	1499.2	1519.7	1531.7	1540.0	1550.9	1587.9
30°	1503.2	1573.0	1578.8	1574.7	1582.9	1601.4	1614.8	1636.6	1658.4	1683.5	1765.5
27.5°	1700.7	1754.1	1737.5	1709.0	1694.8	1709.5	1746.1	1780.0	1843.3	1909.8	2027.5
25°	1919.2	1954.6	1934.3	1883.7	1852.0	1872.8	1927.7	1992.5	2113.4	2220.0	2436.6
22.5°	2153.3	2219.1	2197.8	2182.8	2115.9	2125.9	2169.2	2315.4	2617.8	3096.6	4090.9
20°	2334.8	2415.3	2425.5	2425.8	2411.7	2415.9	2516.4	2987.8	3872.1	6650.9	9114.2
17.5°	2469.4	2516.6	2573.3	2596.5	2624.1	2704.5	3240.6	4871.5	8690.3	13801.1	17714.7
15°	2643.8	2704.2	2765.6	2804.5	2866.8	3309.0	4679.8	9688.8	16633.0	25307.4	36394.8
12.5°	2783.4	2857.9	2906.6	2937.5	3081.0	4244.3	9013.9	16224.7	27059.4	40519.9	60488.1
10°	2860.7	2918.8	2985.2	3092.0	3677.4	6156.4	12711.4	22799.9	39455.2	63701.0	90296.7
7.5°	2899.2	2974.3	3085.5	3247.6	4352.5	8987.3	17683.9	32182.1	54930.8	85121.6	122178.7
5°	2943.9	3082.8	3215.2	3400.9	4876.8	11031.2	21636.7	40184.0	68423.9	105356.4	151122.2
2.5°	3016.3	3225.1	3310.5	3488.7	5192.7	12347.0	23993.7	46442.7	78499.5	121868.7	173251.7
0°	3130.3	3304.1	3355.3	3534.7	5510.6	12997.8	25378.3	48158.9	82987.6	128299.2	181967.5
-2.5°	3259.2	3367.7	3424.4	3624.5	5670.3	13661.7	26467.6	49312.0	81918.7	126157.1	178693.0
-5°	3343.3	3429.5	3484.4	3679.9	5652.8	12997.8	25250.5	45921.6	75669.6	115237.2	162208.0
-7.5°	3400.5	3490.2	3547.7	3726.9	5318.6	11232.7	22302.4	39583.8	64306.1	96756.7	137327.6
-10°	3456.4	3554.4	3629.8	3771.3	4707.4	8575.0	17504.9	29863.1	50291.4	76110.8	106444.5
-12.5°	3506.8	3627.9	3724.8	3790.0	4133.2	6522.3	12864.0	22842.0	36199.3	55473.1	77670.4
-15°	3532.3	3677.1	3785.7	3857.5	4056.6	5157.2	8330.1	15114.9	25272.8	37228.0	51671.8
-17.5°	3488.3	3704.3	3808.8	3887.9	3953.3	4236.2	5876.0	9278.1	15622.6	23454.1	30509.9
-20°	3418.4	3707.3	3825.6	3932.1	4006.5	4083.6	4292.5	5908.6	8489.7	13294.3	17996.9



REPORT NUMBER: P1306116 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3359.3	3627.9	3874.9	3990.0	4075.6	4081.2	4087.7	4282.2	5290.0	6908.7	9396.4
-25°	3318.3	3572.5	3859.9	4038.1	4097.4	4099.5	4067.2	4031.1	4145.3	4260.2	5169.1
-27.5°	3249.0	3524.7	3794.8	4012.2	4100.0	4097.0	4072.5	4048.4	4008.8	3982.9	4081.0
-30°	3164.3	3441.3	3692.7	3911.3	4041.5	4081.5	4064.8	4046.9	4034.6	4026.0	4008.4
-32.5°	2712.2	3338.7	3550.6	3748.9	3934.7	4016.1	4052.4	4044.0	4033.0	4028.3	4031.4
-35°	2215.5	2862.2	3412.3	3553.6	3714.9	3876.9	3991.2	4017.0	4028.5	4026.5	4031.6
-37.5°	1698.7	2281.4	2821.8	3273.6	3467.7	3636.2	3802.3	3912.3	3978.4	3989.8	4005.4
-40°	1464.0	1628.8	2140.8	2594.8	2972.5	3320.3	3496.2	3686.4	3834.8	3894.5	3925.9
-42.5°	1402.0	1467.4	1534.7	1867.7	2258.8	2590.3	2918.8	3245.2	3516.1	3669.4	3769.1
-45°	1375.0	1411.4	1450.2	1503.9	1551.9	1831.9	2133.4	2451.5	2807.6	3073.6	3321.4
-47.5°	1296.2	1369.7	1406.8	1429.5	1446.5	1483.4	1516.5	1606.1	1902.4	2135.5	2394.1
-50°	1192.1	1266.9	1327.4	1381.3	1399.7	1408.3	1418.1	1448.0	1495.3	1529.7	1581.8
-52.5°	1071.6	1141.7	1209.2	1266.9	1308.1	1343.6	1377.4	1401.0	1420.2	1440.1	1458.9
-55°	956.4	1016.1	1073.9	1128.1	1177.3	1218.2	1258.5	1296.8	1332.8	1366.7	1398.2
-57.5°	830.0	889.6	942.8	991.5	1033.3	1067.5	1107.3	1149.6	1189.1	1224.3	1258.5
-60°	702.4	756.7	807.6	853.6	891.9	922.1	960.7	998.6	1034.8	1067.6	1096.2
-62.5°	582.5	628.8	672.7	713.3	749.6	782.0	814.4	846.9	881.1	911.7	938.7
-65°	481.1	518.1	549.3	578.3	602.7	631.9	663.1	692.2	722.3	750.7	776.5
-67.5°	379.3	410.7	436.9	461.9	482.3	502.8	526.0	548.1	569.4	591.5	613.0
-70°	286.3	308.3	324.8	342.0	362.1	380.8	399.6	418.3	436.0	455.4	475.4
-72.5°	213.7	224.4	235.3	249.2	261.1	274.7	288.2	302.6	317.2	331.3	344.4
-75°	171.0	177.8	186.1	192.8	198.0	204.6	212.1	221.1	230.3	239.4	248.0
-77.5°	152.1	156.8	160.6	163.5	166.0	169.4	172.8	179.2	186.0	193.7	201.4
-80°	137.5	140.6	143.1	145.3	147.2	150.0	152.8	158.3	164.2	169.9	175.4
-82.5°	122.7	125.2	127.4	129.3	131.0	133.6	136.3	140.7	145.2	150.7	156.2
-85°	108.3	110.5	112.6	114.3	115.9	118.0	120.1	124.2	128.3	132.8	137.2
-87.5°	96.2	98.1	99.9	101.3	102.7	104.5	106.3	109.5	112.8	116.4	119.9
-90°	1.9	1.9	1.9	1.6	1.3	1.3	1.3	1.3	1.3	1.0	0.6



REPORT NUMBER: P1306116 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	110.3	110.6	110.6	110.6	110.6	110.6	110.3	109.9	106.8	103.6	100.8
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6	1.9	1.8
82.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
80°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.4	2.2	1.9	2.2
77.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	2.0
75°	2.2	1.9	1.9	1.9	1.9	1.9	2.2	2.5	2.8	2.9	2.8
72.5°	15.5	16.6	17.3	17.7	17.3	16.6	15.5	14.2	12.9	11.6	10.2
70°	19.9	20.1	20.2	20.2	20.2	20.1	19.9	19.6	18.8	18.0	17.0
67.5°	24.5	25.1	25.3	25.3	25.3	25.1	24.5	23.6	22.2	20.9	19.7
65°	15.7	14.5	13.4	12.6	13.4	14.5	15.7	16.4	16.4	16.6	16.9
62.5°	9.4	9.0	8.9	8.8	8.9	9.0	9.4	9.7	9.6	10.1	11.1
60°	5.7	5.8	5.5	5.1	5.5	5.8	5.7	5.6	5.5	5.7	6.1
57.5°	4.1	4.4	4.7	5.1	4.7	4.4	4.1	3.9	3.6	3.6	3.8
55°	6.1	6.7	7.2	7.6	7.2	6.7	6.1	5.6	5.1	4.8	5.1
52.5°	17.6	15.8	15.3	15.8	15.3	15.8	17.6	19.5	20.5	20.5	17.6
50°	100.0	102.0	104.5	107.4	104.5	102.0	100.0	97.2	91.7	83.7	72.4
47.5°	236.3	231.8	227.6	226.2	227.6	231.8	236.3	233.4	223.3	208.5	206.2
45°	447.9	415.0	398.2	408.2	398.2	415.0	447.9	484.0	448.1	392.5	347.9
42.5°	904.1	952.9	991.0	1009.1	991.0	952.9	904.1	862.2	784.2	707.9	621.9
40°	1133.4	1115.1	1124.9	1139.9	1124.9	1115.1	1133.4	1164.0	1144.5	1180.3	1162.0
37.5°	1395.3	1401.4	1357.3	1285.2	1357.3	1401.4	1395.3	1384.4	1406.7	1392.7	1370.4
35°	1522.3	1600.8	1747.9	1783.2	1747.9	1600.8	1522.3	1493.5	1479.9	1467.4	1449.2
32.5°	1681.3	1762.8	1787.8	1797.7	1787.8	1762.8	1681.3	1587.9	1550.9	1540.0	1531.7
30°	1871.3	1908.2	1898.9	1912.7	1898.9	1908.2	1871.3	1765.5	1683.5	1658.4	1636.6
27.5°	2079.5	2101.1	2094.0	2112.4	2094.0	2101.1	2079.5	2027.5	1909.8	1843.3	1780.0
25°	2617.0	2786.7	2777.8	2817.6	2777.8	2786.7	2617.0	2436.6	2220.0	2113.4	1992.5
22.5°	5301.3	5901.5	6260.9	6608.9	6260.9	5901.5	5301.3	4090.9	3096.6	2617.8	2315.4
20°	11845.0	13574.8	13951.4	13814.2	13951.4	13574.8	11845.0	9114.2	6650.9	3872.1	2987.8
17.5°	25425.7	32327.6	36033.5	36445.7	36033.5	32327.6	25425.7	17714.7	13801.1	8690.3	4871.5
15°	47849.5	59912.5	66761.5	67481.2	66761.5	59912.5	47849.5	36394.8	25307.4	16633.0	9688.8
12.5°	78222.4	97432.8	111535.4	113108.8	111535.4	97432.8	78222.4	60488.1	40519.9	27059.4	16224.7
10°	119826.3	145798.5	166336.5	171339.8	166336.5	145798.5	119826.3	90296.7	63701.0	39455.2	22799.9
7.5°	161351.0	190990.8	215162.5	220849.7	215162.5	190990.8	161351.0	122178.7	85121.6	54930.8	32182.1
5°	193812.4	231735.7	251025.2	257398.4	251025.2	231735.7	193812.4	151122.2	105356.4	68423.9	40184.0
2.5°	218555.9	254364.6	277010.0	286301.0	277010.0	254364.6	218555.9	173251.7	121868.7	78499.5	46442.7
0°	228107.5	262842.0	291679.6	309612.0	291679.6	262842.0	228107.5	181967.5	128299.2	82987.6	48158.9
-2.5°	224363.4	257806.8	282315.2	293947.7	282315.2	257806.8	224363.4	178693.0	126157.1	81918.7	49312.0
-5°	205436.0	239186.4	258135.7	264138.0	258135.7	239186.4	205436.0	162208.0	115237.2	75669.6	45921.6
-7.5°	173717.8	203425.7	225894.5	229921.9	225894.5	203425.7	173717.8	137327.6	96756.7	64306.1	39583.8
-10°	137681.9	163399.3	180539.9	183782.2	180539.9	163399.3	137681.9	106444.5	76110.8	50291.4	29863.1
-12.5°	97596.0	120185.9	133737.8	136238.5	133737.8	120185.9	97596.0	77670.4	55473.1	36199.3	22842.0
-15°	66321.3	80392.2	88605.9	89435.3	88605.9	80392.2	66321.3	51671.8	37228.0	25272.8	15114.9
-17.5°	41497.3	49867.0	54986.3	55033.8	54986.3	49867.0	41497.3	30509.9	23454.1	15622.6	9278.1
-20°	24024.5	28018.5	30882.6	30870.6	30882.6	28018.5	24024.5	17996.9	13294.3	8489.7	5908.6



REPORT NUMBER: P1306116 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	12517.1	14890.9	16617.8	16538.9	16617.8	14890.9	12517.1	9396.4	6908.7	5290.0	4282.2
-25°	6146.5	7055.3	7660.1	7612.9	7660.1	7055.3	6146.5	5169.1	4260.2	4145.3	4031.1
-27.5°	4165.4	4265.4	4334.4	4341.7	4334.4	4265.4	4165.4	4081.0	3982.9	4008.8	4048.4
-30°	4001.6	4024.5	4048.6	4054.8	4048.6	4024.5	4001.6	4008.4	4026.0	4034.6	4046.9
-32.5°	4041.2	4059.1	4085.5	4102.2	4085.5	4059.1	4041.2	4031.4	4028.3	4033.0	4044.0
-35°	4044.1	4064.8	4095.4	4109.1	4095.4	4064.8	4044.1	4031.6	4026.5	4028.5	4017.0
-37.5°	4025.3	4050.6	4076.9	4088.9	4076.9	4050.6	4025.3	4005.4	3989.8	3978.4	3912.3
-40°	3953.8	3979.7	3998.9	4000.4	3998.9	3979.7	3953.8	3925.9	3894.5	3834.8	3686.4
-42.5°	3835.6	3867.7	3882.4	3879.8	3882.4	3867.7	3835.6	3769.1	3669.4	3516.1	3245.2
-45°	3556.4	3670.0	3725.8	3739.5	3725.8	3670.0	3556.4	3321.4	3073.6	2807.6	2451.5
-47.5°	2693.7	2860.3	2967.1	3009.7	2967.1	2860.3	2693.7	2394.1	2135.5	1902.4	1606.1
-50°	1649.8	1665.3	1675.6	1680.8	1675.6	1665.3	1649.8	1581.8	1529.7	1495.3	1448.0
-52.5°	1474.6	1479.0	1481.4	1481.8	1481.4	1479.0	1474.6	1458.9	1440.1	1420.2	1401.0
-55°	1421.0	1429.9	1435.5	1436.9	1435.5	1429.9	1421.0	1398.2	1366.7	1332.8	1296.8
-57.5°	1281.0	1286.2	1291.9	1295.4	1291.9	1286.2	1281.0	1258.5	1224.3	1189.1	1149.6
-60°	1113.4	1118.1	1119.0	1115.9	1119.0	1118.1	1113.4	1096.2	1067.6	1034.8	998.6
-62.5°	953.4	957.8	962.1	963.6	962.1	957.8	953.4	938.7	911.7	881.1	846.9
-65°	788.6	790.7	791.8	789.9	791.8	790.7	788.6	776.5	750.7	722.3	692.2
-67.5°	623.1	627.4	633.5	637.6	633.5	627.4	623.1	613.0	591.5	569.4	548.1
-70°	480.0	478.1	482.2	485.3	482.2	478.1	480.0	475.4	455.4	436.0	418.3
-72.5°	346.1	344.0	342.6	340.0	342.6	344.0	346.1	344.4	331.3	317.2	302.6
-75°	247.5	245.0	244.6	243.9	244.6	245.0	247.5	248.0	239.4	230.3	221.1
-77.5°	201.5	200.5	199.3	197.8	199.3	200.5	201.5	201.4	193.7	186.0	179.2
-80°	175.9	176.0	175.3	174.4	175.3	176.0	175.9	175.4	169.9	164.2	158.3
-82.5°	156.5	156.5	156.0	155.4	156.0	156.5	156.5	156.2	150.7	145.2	140.7
-85°	137.5	137.7	137.1	136.5	137.1	137.7	137.5	137.2	132.8	128.3	124.2
-87.5°	120.3	120.7	120.4	120.1	120.4	120.7	120.3	119.9	116.4	112.8	109.5
-90°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	1.0	1.3	1.3



REPORT NUMBER: P1306116 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	97.9	96.1	94.2	93.3	92.3	90.4	88.5	86.0	83.4	80.3	77.1
87.5°	1.3	1.6	1.8	1.9	1.9	1.9	1.9	1.9	1.9	2.2	2.5
85°	1.8	1.9	1.9	2.1	2.3	2.3	2.3	2.3	2.2	2.3	2.5
82.5°	1.9	2.1	2.3	2.4	2.5	2.5	2.5	2.6	2.7	2.6	2.6
80°	2.4	2.4	2.5	2.5	2.5	2.6	2.7	3.0	3.2	3.2	3.1
77.5°	2.1	2.4	2.5	2.7	2.8	3.0	3.2	3.2	3.3	3.5	3.5
75°	2.9	3.4	3.7	3.9	3.8	3.4	3.3	3.5	3.6	3.7	3.8
72.5°	9.0	8.3	7.9	7.6	7.0	6.8	6.5	5.9	5.3	4.4	3.8
70°	16.3	15.6	15.1	15.2	15.1	14.7	12.9	10.8	9.2	7.9	6.4
67.5°	19.8	20.6	21.5	22.0	21.6	21.4	19.9	17.7	16.9	15.4	11.2
65°	18.1	19.8	20.9	21.2	21.5	22.7	24.2	23.8	24.8	23.8	18.6
62.5°	12.9	15.1	16.3	17.3	17.6	18.7	21.8	25.2	30.2	31.6	25.6
60°	7.5	8.8	10.4	11.9	12.9	15.2	18.9	24.4	31.5	31.1	28.5
57.5°	4.8	5.8	7.4	8.5	8.9	11.6	15.5	22.4	29.5	29.3	25.7
55°	6.5	7.5	8.2	9.5	10.2	12.2	14.2	19.9	26.6	28.9	27.6
52.5°	12.6	16.9	18.2	16.5	16.4	17.4	18.5	23.1	27.1	30.4	31.5
50°	64.5	71.0	62.6	50.2	52.1	36.5	40.6	39.6	37.9	39.6	38.5
47.5°	197.3	182.5	167.9	154.9	138.7	120.1	115.8	89.5	86.9	64.6	64.5
45°	340.2	323.2	299.0	278.5	268.0	247.2	233.2	213.2	173.3	154.8	107.5
42.5°	618.5	523.2	440.1	402.6	365.6	349.3	338.5	325.4	304.1	266.5	222.9
40°	1051.6	939.1	781.0	578.3	490.5	432.4	412.1	407.6	396.9	376.6	330.6
37.5°	1362.1	1298.1	1139.3	964.0	727.1	580.0	507.4	468.0	465.5	454.8	424.1
35°	1430.2	1410.8	1379.8	1252.3	1050.9	928.9	687.0	568.6	521.3	512.7	502.4
32.5°	1519.7	1499.2	1471.7	1447.9	1396.1	1380.0	1080.4	751.0	596.6	565.2	548.8
30°	1614.8	1601.4	1582.9	1574.7	1578.8	1573.0	1503.2	1084.5	763.8	616.1	597.4
27.5°	1746.1	1709.5	1694.8	1709.0	1737.5	1754.1	1700.7	1493.8	1000.0	755.2	646.1
25°	1927.7	1872.8	1852.0	1883.7	1934.3	1954.6	1919.2	1783.3	1440.8	940.9	697.0
22.5°	2169.2	2125.9	2115.9	2182.8	2197.8	2219.1	2153.3	2071.7	1887.6	1221.3	851.9
20°	2516.4	2415.9	2411.7	2425.8	2425.5	2415.3	2334.8	2261.3	2059.5	1582.0	1025.5
17.5°	3240.6	2704.5	2624.1	2596.5	2573.3	2516.6	2469.4	2356.0	2210.1	1886.4	1194.0
15°	4679.8	3309.0	2866.8	2804.5	2765.6	2704.2	2643.8	2513.0	2375.5	2075.1	1435.3
12.5°	9013.9	4244.3	3081.0	2937.5	2906.6	2857.9	2783.4	2719.9	2537.9	2245.6	1684.8
10°	12711.4	6156.4	3677.4	3092.0	2985.2	2918.8	2860.7	2796.4	2643.8	2399.5	1928.8
7.5°	17683.9	8987.3	4352.5	3247.6	3085.5	2974.3	2899.2	2835.1	2711.1	2465.0	2090.5
5°	21636.7	11031.2	4876.8	3400.9	3215.2	3082.8	2943.9	2875.6	2752.7	2489.9	2197.2
2.5°	23993.7	12347.0	5192.7	3488.7	3310.5	3225.1	3016.3	2915.4	2768.6	2506.9	2264.9
0°	25378.3	12997.8	5510.6	3534.7	3355.3	3304.1	3130.3	2952.8	2762.6	2512.4	2297.5
-2.5°	26467.6	13661.7	5670.3	3624.5	3424.4	3367.7	3259.2	3097.2	2794.5	2519.3	2316.7
-5°	25250.5	12997.8	5652.8	3679.9	3484.4	3429.5	3343.3	3191.5	2843.0	2534.5	2302.7
-7.5°	22302.4	11232.7	5318.6	3726.9	3547.7	3490.2	3400.5	3250.8	2942.7	2612.3	2270.3
-10°	17504.9	8575.0	4707.4	3771.3	3629.8	3554.4	3456.4	3268.0	2984.5	2673.8	2202.2
-12.5°	12864.0	6522.3	4133.2	3790.0	3724.8	3627.9	3506.8	3261.7	3010.3	2756.5	2157.1
-15°	8330.1	5157.2	4056.6	3857.5	3785.7	3677.1	3532.3	3244.9	3016.1	2806.9	2050.8
-17.5°	5876.0	4236.2	3953.3	3887.9	3808.8	3704.3	3488.3	3225.1	2990.5	2662.9	1831.8
-20°	4292.5	4083.6	4006.5	3932.1	3825.6	3707.3	3418.4	3187.7	2922.9	2366.6	1640.1



REPORT NUMBER: P1306116 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4087.7	4081.2	4075.6	3990.0	3874.9	3627.9	3359.3	3127.1	2822.7	2074.0	1453.6
-25°	4067.2	4099.5	4097.4	4038.1	3859.9	3572.5	3318.3	3022.6	2490.8	1819.4	1280.4
-27.5°	4072.5	4097.0	4100.0	4012.2	3794.8	3524.7	3249.0	2856.3	2082.5	1548.3	1274.7
-30°	4064.8	4081.5	4041.5	3911.3	3692.7	3441.3	3164.3	2422.2	1762.4	1341.6	1258.0
-32.5°	4052.4	4016.1	3934.7	3748.9	3550.6	3338.7	2712.2	1994.0	1462.1	1318.0	1244.7
-35°	3991.2	3876.9	3714.9	3553.6	3412.3	2862.2	2215.5	1616.0	1373.2	1292.2	1230.6
-37.5°	3802.3	3636.2	3467.7	3273.6	2821.8	2281.4	1698.7	1432.8	1334.7	1276.0	1191.6
-40°	3496.2	3320.3	2972.5	2594.8	2140.8	1628.8	1464.0	1376.0	1317.5	1240.1	1136.6
-42.5°	2918.8	2590.3	2258.8	1867.7	1534.7	1467.4	1402.0	1352.0	1279.4	1177.4	1063.8
-45°	2133.4	1831.9	1551.9	1503.9	1450.2	1411.4	1375.0	1299.5	1210.0	1097.5	984.7
-47.5°	1516.5	1483.4	1446.5	1429.5	1406.8	1369.7	1296.2	1217.0	1114.0	1005.5	901.2
-50°	1418.1	1408.3	1399.7	1381.3	1327.4	1266.9	1192.1	1113.5	1014.2	914.0	815.0
-52.5°	1377.4	1343.6	1308.1	1266.9	1209.2	1141.7	1071.6	1001.1	914.2	819.6	726.3
-55°	1258.5	1218.2	1177.3	1128.1	1073.9	1016.1	956.4	886.3	808.4	720.7	636.1
-57.5°	1107.3	1067.5	1033.3	991.5	942.8	889.6	830.0	763.9	698.4	620.5	544.9
-60°	960.7	922.1	891.9	853.6	807.6	756.7	702.4	645.3	584.8	529.0	470.6
-62.5°	814.4	782.0	749.6	713.3	672.7	628.8	582.5	539.4	494.9	446.8	393.3
-65°	663.1	631.9	602.7	578.3	549.3	518.1	481.1	443.0	403.0	360.3	313.9
-67.5°	526.0	502.8	482.3	461.9	436.9	410.7	379.3	346.0	313.3	280.3	243.9
-70°	399.6	380.8	362.1	342.0	324.8	308.3	286.3	261.8	234.2	211.4	190.8
-72.5°	288.2	274.7	261.1	249.2	235.3	224.4	213.7	200.6	184.7	167.2	152.9
-75°	212.1	204.6	198.0	192.8	186.1	177.8	171.0	163.3	155.3	146.8	138.3
-77.5°	172.8	169.4	166.0	163.5	160.6	156.8	152.1	145.8	139.7	132.6	125.6
-80°	152.8	150.0	147.2	145.3	143.1	140.6	137.5	132.2	126.7	120.2	114.0
-82.5°	136.3	133.6	131.0	129.3	127.4	125.2	122.7	118.2	113.6	108.3	103.3
-85°	120.1	118.0	115.9	114.3	112.6	110.5	108.3	104.7	101.1	96.7	92.3
-87.5°	106.3	104.5	102.7	101.3	99.9	98.1	96.2	93.4	90.6	87.0	83.3
-90°	1.3	1.3	1.3	1.6	1.9	1.9	1.9	1.9	1.9	2.2	2.5



REPORT NUMBER: P1306116 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	74.0	70.8	68.0	65.1	62.6	60.0	57.2	54.3	50.6	46.8	42.1
87.5°	2.5	2.5	2.7	2.9	2.9	2.9	3.0	3.2	3.2	3.2	3.3
85°	2.6	2.7	2.9	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.4
82.5°	2.9	3.2	3.1	3.2	3.4	3.5	3.4	3.4	3.3	3.2	3.5
80°	3.1	3.2	3.3	3.4	3.6	3.8	3.7	3.6	3.7	3.7	3.7
77.5°	3.4	3.4	3.6	3.7	3.7	3.8	3.9	3.9	4.1	4.1	4.0
75°	3.8	3.7	3.7	3.8	3.9	3.9	4.1	4.2	4.4	4.4	4.2
72.5°	3.8	3.9	3.9	3.9	4.1	4.2	4.4	4.5	4.6	4.7	4.5
70°	5.0	4.2	4.2	4.3	4.5	4.6	4.7	4.9	4.9	5.0	4.8
67.5°	7.1	5.9	5.1	4.8	4.9	5.0	5.1	5.3	5.4	5.3	5.1
65°	13.7	9.5	6.3	5.9	5.6	5.6	5.7	5.8	5.8	5.9	5.5
62.5°	20.0	14.7	10.8	8.0	6.9	7.1	6.3	6.8	6.5	6.6	6.2
60°	26.1	20.2	15.8	12.6	10.2	9.2	8.7	7.9	7.8	7.4	7.0
57.5°	25.6	24.8	22.3	18.0	15.4	13.1	11.8	10.6	9.4	9.0	8.0
55°	25.3	25.3	28.0	25.3	22.2	18.6	16.4	14.2	11.7	10.8	9.2
52.5°	29.5	30.1	32.3	33.8	31.5	25.8	23.5	18.2	16.1	12.8	11.2
50°	36.6	39.8	40.3	43.8	42.0	38.2	31.4	26.0	20.9	15.7	13.3
47.5°	55.4	58.5	55.4	58.3	55.6	52.6	44.3	35.3	26.2	20.6	15.6
45°	106.3	88.7	85.9	81.0	74.6	71.0	59.9	45.4	35.5	25.9	17.9
42.5°	177.4	152.4	138.2	108.4	105.2	92.7	78.2	61.8	45.5	31.7	21.8
40°	277.1	239.9	206.6	172.7	143.3	117.1	101.6	80.4	56.3	39.0	27.0
37.5°	373.8	329.7	291.4	241.1	191.9	157.0	127.4	100.2	70.2	49.5	32.4
35°	454.3	413.2	361.8	307.9	256.2	197.6	155.0	122.5	88.7	60.5	38.0
32.5°	520.4	478.8	419.9	365.3	307.4	238.2	188.5	146.2	107.6	71.9	43.7
30°	569.8	530.1	474.2	410.5	349.0	280.5	222.1	168.7	126.7	83.8	50.4
27.5°	621.0	582.8	526.7	456.4	384.8	316.8	249.8	190.0	145.9	96.0	59.1
25°	672.1	633.0	581.0	507.1	420.8	345.3	274.8	210.3	164.1	108.8	67.4
22.5°	716.8	679.2	635.0	560.6	461.4	373.0	298.4	232.2	176.4	120.6	75.2
20°	757.9	718.5	685.7	605.9	505.5	406.1	321.4	249.2	187.8	131.3	82.5
17.5°	816.6	753.4	712.2	640.8	547.1	440.2	345.2	265.4	198.3	141.1	89.3
15°	950.9	787.7	738.2	671.5	581.0	472.3	369.1	280.9	207.9	149.8	95.2
12.5°	1073.8	820.2	765.4	697.8	606.5	500.4	392.5	295.6	216.4	158.0	100.3
10°	1197.9	851.7	792.1	723.3	628.3	524.7	415.0	310.8	227.0	165.8	104.8
7.5°	1334.0	882.6	817.1	747.6	647.1	544.5	434.6	328.0	237.2	172.9	108.7
5°	1457.6	911.1	842.9	774.8	666.2	560.2	451.4	343.9	246.6	179.0	112.1
2.5°	1544.3	935.3	868.4	800.3	682.7	572.8	465.5	358.1	255.0	184.2	114.8
0°	1608.8	956.7	891.6	822.7	696.3	582.6	477.1	370.3	262.2	188.3	116.9
-2.5°	1606.1	974.6	910.6	844.3	721.6	596.9	484.6	376.7	269.8	194.1	121.2
-5°	1578.7	990.4	927.8	862.5	742.8	608.0	489.6	381.0	275.9	198.6	124.7
-7.5°	1544.7	1008.1	944.1	877.3	759.0	615.5	492.2	383.3	280.6	201.9	127.5
-10°	1488.7	1025.5	959.2	884.3	762.4	619.9	493.0	383.7	283.7	203.9	129.4
-12.5°	1419.6	1041.3	972.0	887.2	760.6	622.0	496.3	383.3	285.0	204.5	130.4
-15°	1327.7	1062.6	987.7	886.4	755.6	621.2	495.9	380.6	282.7	203.0	130.4
-17.5°	1198.0	1078.5	1002.6	883.3	747.8	617.7	491.7	375.0	278.8	199.3	129.1
-20°	1182.5	1093.3	1010.9	873.7	736.8	609.9	483.5	366.2	273.1	194.3	126.6



REPORT NUMBER: P1306116 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1193.3	1110.0	1006.9	857.7	723.4	598.6	471.6	354.5	265.7	188.0	123.3
-25°	1195.5	1125.9	1001.1	849.0	708.0	582.7	457.8	343.1	256.6	180.4	119.2
-27.5°	1194.6	1123.0	992.1	830.6	691.0	563.2	442.5	335.0	249.1	171.6	114.2
-30°	1191.8	1092.8	960.1	803.9	667.5	541.2	424.7	325.0	240.7	164.6	108.4
-32.5°	1175.3	1059.1	919.0	773.6	639.6	516.3	405.0	312.7	230.4	158.7	104.8
-35°	1132.2	1013.2	877.0	738.8	608.8	492.3	385.8	298.3	218.3	151.3	101.7
-37.5°	1084.9	956.3	834.4	700.8	575.0	465.4	367.9	282.6	204.4	142.5	98.2
-40°	1016.6	894.2	778.2	658.1	540.4	435.3	347.2	265.1	191.8	132.2	93.8
-42.5°	944.9	829.2	718.8	607.8	503.2	408.2	324.0	245.1	178.4	124.5	88.5
-45°	872.3	762.1	656.8	558.3	463.4	377.8	298.8	223.6	163.1	117.5	84.5
-47.5°	795.5	693.0	596.3	505.5	425.6	344.5	269.6	204.3	146.3	109.4	82.9
-50°	716.3	622.5	535.1	456.3	382.6	308.5	239.3	183.0	135.8	100.4	81.0
-52.5°	636.2	551.3	476.6	407.0	337.5	269.2	211.7	160.3	124.3	95.6	78.8
-55°	554.6	485.6	420.6	355.3	290.2	234.1	182.3	145.0	111.8	92.6	76.4
-57.5°	483.7	423.1	361.6	300.9	247.1	198.7	159.7	129.0	105.8	89.2	74.8
-60°	413.7	356.8	299.9	251.6	206.1	169.0	140.9	115.9	101.4	85.8	73.1
-62.5°	340.9	290.4	246.5	204.5	172.8	146.6	123.7	109.9	96.5	83.3	71.1
-65°	272.7	232.2	194.7	170.6	146.9	127.3	116.3	103.6	92.4	80.5	68.8
-67.5°	207.5	185.2	163.0	141.4	128.8	118.7	108.5	98.4	88.4	77.5	66.5
-70°	170.2	150.3	137.5	128.2	119.0	110.1	102.2	93.5	84.2	74.5	64.0
-72.5°	143.6	134.5	125.7	117.4	110.3	103.1	96.1	88.5	80.2	71.4	61.3
-75°	129.7	122.3	115.6	109.0	102.4	96.0	90.2	83.7	76.1	68.1	58.5
-77.5°	118.8	112.3	106.4	100.7	95.1	89.8	84.5	78.8	71.8	64.5	55.6
-80°	108.4	103.0	97.9	92.8	88.1	83.5	78.5	73.4	67.1	60.7	52.6
-82.5°	98.6	94.0	89.3	84.6	80.4	76.2	72.0	67.9	62.4	56.8	49.7
-85°	88.4	84.4	80.2	76.0	72.4	68.8	65.9	62.8	58.2	53.5	47.2
-87.5°	80.1	76.8	73.5	70.1	67.3	64.4	61.5	58.6	54.4	50.2	44.7
-90°	2.5	2.5	2.5	2.5	2.5	2.5	2.9	3.2	3.2	3.2	3.2



REPORT NUMBER: P1306116 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	37.3	30.9	24.6	17.3	10.1	6.6	3.2
87.5°	3.4	3.3	3.3	3.3	3.3	3.3	3.2
85°	3.5	3.5	3.4	3.4	3.4	3.4	3.2
82.5°	3.7	3.6	3.5	3.6	3.5	3.4	3.2
80°	3.8	3.7	3.6	3.7	3.6	3.5	3.2
77.5°	4.0	3.9	3.7	3.8	3.7	3.6	3.2
75°	4.2	4.1	3.9	3.9	3.8	3.7	3.2
72.5°	4.3	4.3	4.1	4.0	4.0	3.8	3.2
70°	4.6	4.5	4.3	4.2	4.1	3.8	3.2
67.5°	4.9	4.8	4.6	4.4	4.2	3.9	3.2
65°	5.3	5.1	4.8	4.5	4.3	4.0	3.2
62.5°	5.7	5.5	5.0	4.7	4.4	4.1	3.2
60°	6.2	5.8	5.2	4.9	4.6	4.2	3.2
57.5°	7.2	6.2	5.7	5.0	4.7	4.2	3.2
55°	8.4	6.6	6.1	5.2	4.9	4.3	3.2
52.5°	9.6	7.2	6.6	5.4	5.1	4.4	3.2
50°	11.0	8.5	7.1	5.5	5.4	4.5	3.2
47.5°	12.5	9.9	7.6	5.7	5.6	4.6	3.2
45°	14.5	11.3	8.2	6.2	5.8	4.6	3.2
42.5°	16.5	12.8	8.8	6.6	6.1	4.7	3.2
40°	18.7	14.3	9.7	7.2	6.4	4.8	3.2
37.5°	21.1	15.9	10.9	8.0	6.7	4.9	3.2
35°	23.5	17.7	12.1	8.8	7.0	4.9	3.2
32.5°	26.6	19.6	13.2	9.6	7.3	5.0	3.2
30°	31.3	21.5	14.4	10.4	7.6	5.1	3.2
27.5°	36.0	23.4	16.0	11.2	7.9	5.2	3.2
25°	40.5	25.3	17.5	12.1	8.3	5.2	3.2
22.5°	45.0	27.3	19.0	12.9	8.6	5.3	3.2
20°	49.3	29.3	20.4	13.8	8.9	5.3	3.2
17.5°	53.3	31.3	21.8	14.7	9.3	5.4	3.2
15°	56.8	33.2	23.1	15.5	9.6	5.5	3.2
12.5°	60.1	34.9	24.4	16.4	9.9	5.5	3.2
10°	63.0	36.6	25.6	17.2	10.3	5.6	3.2
7.5°	65.6	38.2	26.7	18.0	10.6	5.6	3.2
5°	67.9	39.7	27.8	18.8	10.9	5.6	3.2
2.5°	69.8	41.1	28.8	19.5	11.1	5.7	3.2
0°	71.4	42.3	29.7	20.2	11.4	5.7	3.2
-2.5°	73.7	44.1	31.0	21.1	12.0	5.9	3.2
-5°	75.6	45.7	32.2	21.9	12.6	6.2	3.2
-7.5°	77.2	47.2	33.4	22.7	13.1	6.4	3.2
-10°	78.3	48.6	34.4	23.4	13.6	6.6	3.2
-12.5°	79.1	49.8	35.4	24.1	14.1	6.9	3.2
-15°	79.5	50.8	36.2	24.7	14.6	7.1	3.2
-17.5°	79.5	51.7	37.0	25.3	15.0	7.3	3.2
-20°	79.2	52.4	37.7	25.8	15.4	7.5	3.2



REPORT NUMBER: P1306116 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-57-80-2S-VHE-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	78.6	53.0	38.2	26.2	15.7	7.6	3.2
-25°	77.5	53.4	38.6	26.6	16.0	7.8	3.2
-27.5°	76.0	53.8	39.0	26.9	16.3	7.9	3.2
-30°	74.0	53.9	39.2	27.1	16.5	8.1	3.2
-32.5°	71.5	53.9	39.5	27.3	16.7	8.2	3.2
-35°	70.5	53.7	39.7	27.4	16.8	8.3	3.2
-37.5°	70.1	53.5	39.8	27.5	16.9	8.4	3.2
-40°	69.5	53.5	39.7	27.4	16.9	8.4	3.2
-42.5°	68.6	53.4	39.7	27.4	16.9	8.5	3.2
-45°	67.5	53.1	39.7	27.4	16.9	8.5	3.2
-47.5°	66.2	52.6	39.5	27.3	16.8	8.6	3.2
-50°	65.3	52.1	39.3	27.2	16.6	8.6	3.2
-52.5°	64.4	51.4	39.0	27.0	16.4	8.5	3.2
-55°	63.3	50.7	38.5	26.7	16.2	8.5	3.2
-57.5°	62.0	49.9	38.0	26.3	15.9	8.5	3.2
-60°	60.6	48.9	37.3	25.9	15.6	8.4	3.2
-62.5°	59.1	47.7	36.6	25.4	15.3	8.3	3.2
-65°	57.4	46.5	35.7	24.8	15.0	8.2	3.2
-67.5°	55.6	45.1	34.8	24.2	14.7	8.1	3.2
-70°	53.5	43.6	33.8	23.5	14.3	8.0	3.2
-72.5°	51.5	42.0	32.7	22.9	13.9	7.9	3.2
-75°	49.3	40.3	31.5	22.2	13.4	7.7	3.2
-77.5°	47.1	38.6	30.4	21.6	12.9	7.6	3.2
-80°	44.7	37.0	29.4	20.8	12.4	7.4	3.2
-82.5°	42.9	35.6	28.3	20.0	11.9	7.2	3.2
-85°	41.1	34.1	27.1	19.2	11.3	7.1	3.2
-87.5°	39.2	32.6	25.9	18.3	10.7	6.9	3.2
-90°	3.2	3.2	3.2	3.2	3.2	3.2	3.2

(END OF REPORT)