

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: P1305889 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320N-40-80-3S-HEG-A**

Issue Date: 2/3/2026

Test Information

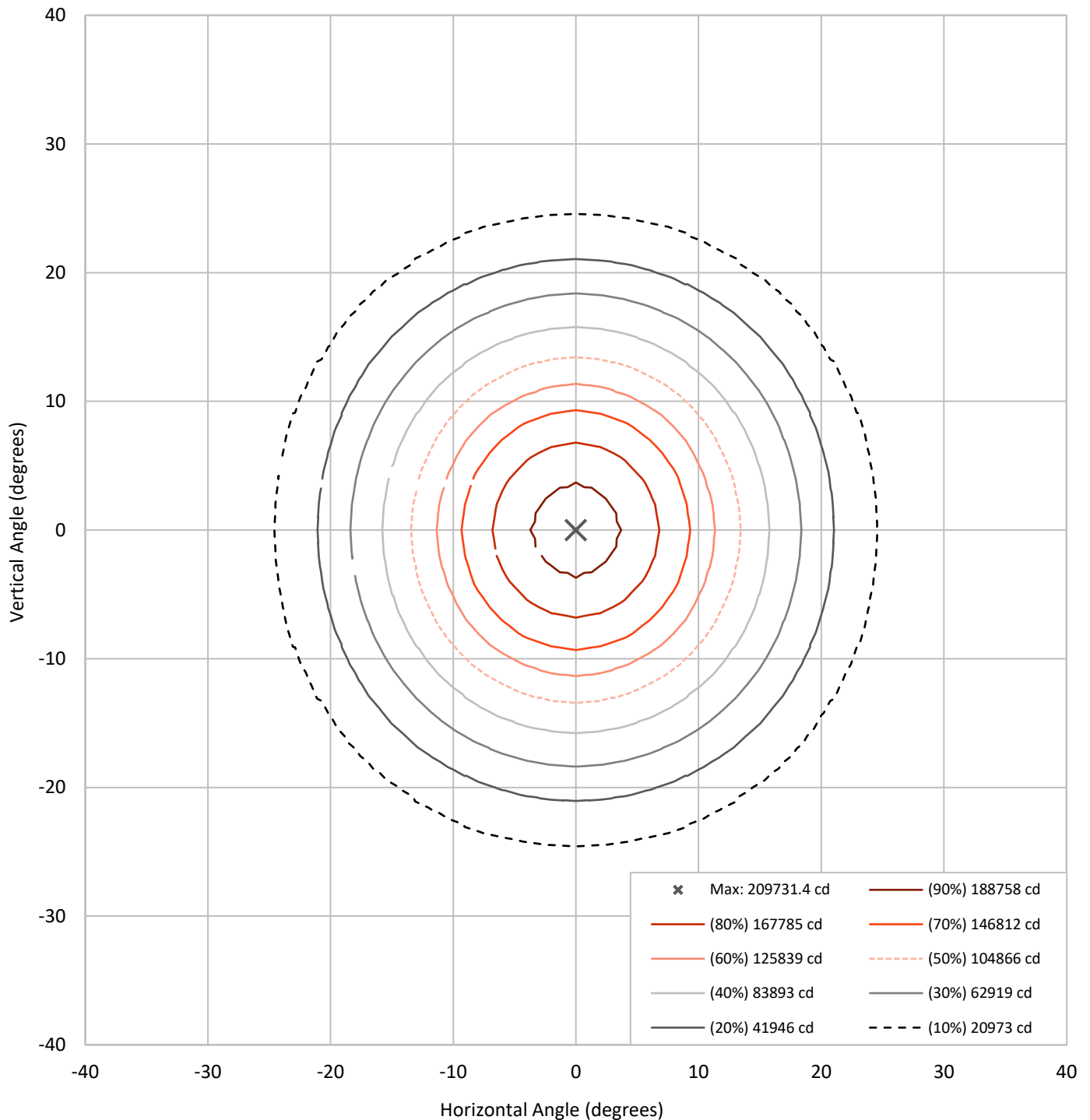
Test Method: LM-79-08
Report Number: P1305889 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-3)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-320N-40-80-3S-HEG-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 3S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	56645.7 lumens	Max Intensity:	209731.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	169.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	26.9°H x 26.9°V	Field Angle (10%):	48.9°H x 48.9°V
Beam Lumens:	24560.7 lumens	Field Lumens:	47021.5 lumens
Beam Efficiency:	43.4%	Field Efficiency:	83.0%
Input Watts (W):	334		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





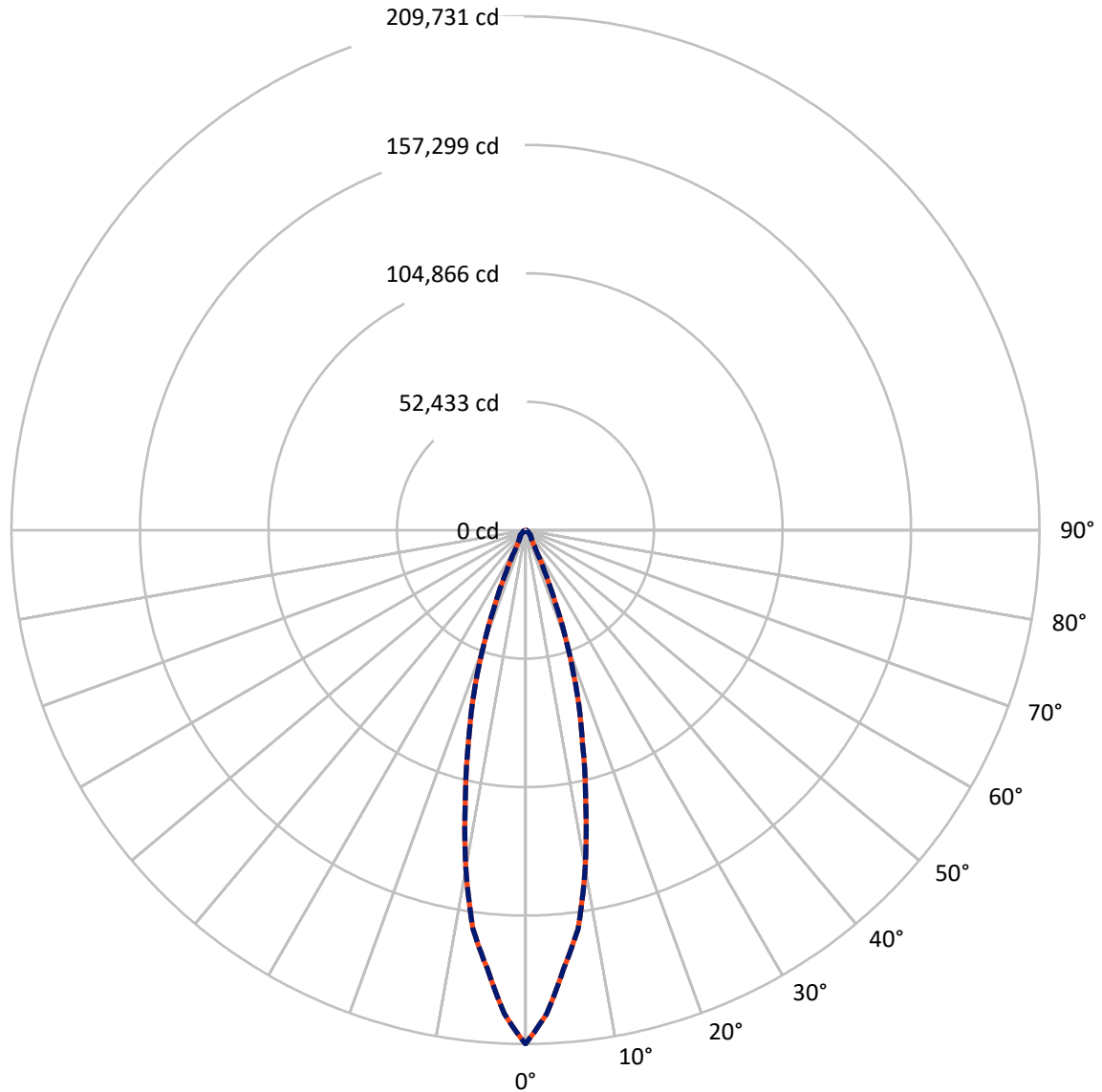
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Lumen Table

90	0.1	0.5		2.0		5.1		6.8		5.1		2.0		0.5		0.1			
80	0.1	0.5		2.0		5.1		6.8		5.1		2.0		0.5		0.1			
70	0.2	0.3	1.2	3.8	7.4	11.2	14.4	16.1	16.1	14.4	11.2	7.4	3.8	1.2	0.3	0.2			
60		0.9	4.4	10.3	17.7	25.3	31.3	34.6	34.6	31.3	25.3	17.7	10.3	4.4	0.9				
50	0.7	2.3	8.4	17.9	29.7	46.7	66.9	78.4	78.4	66.9	46.7	29.7	17.9	8.4	2.3	0.7			
40		3.9	12.5	25.7	52.4	86.2	110.9	130.3	130.3	110.9	86.2	52.4	25.7	12.5	3.9				
30	1.5	5.4	16.2	36.7	78.1	123.6	285.8	587.7	587.7	285.8	123.6	78.1	36.7	16.2	5.4	1.5			
20		6.5	18.8	49.5	94.4	269.8	1250.2	2503.5	2503.5	1250.2	269.8	94.4	49.5	18.8	6.5				
10	1.9	7.0	20.2	56.2	107.7	541.0	2435.0	4802.4	4802.4	2435.0	541.0	107.7	56.2	20.2	7.0	1.9			
0		7.0	20.2	56.2	107.7	541.0	2435.0	4802.4	4802.4	2435.0	541.0	107.7	56.2	20.2	7.0				
-10	1.5	6.5	18.8	49.5	94.4	269.8	1250.2	2503.5	2503.5	1250.2	269.8	94.4	49.5	18.8	6.5	1.5			
-20		5.4	16.2	36.7	78.1	123.6	285.8	587.7	587.7	285.8	123.6	78.1	36.7	16.2	5.4				
-30	0.7	3.9	12.5	25.7	52.4	86.2	110.9	130.3	130.3	110.9	86.2	52.4	25.7	12.5	3.9	0.7			
-40		2.3	8.4	17.9	29.7	46.7	66.9	78.4	78.4	66.9	46.7	29.7	17.9	8.4	2.3				
-50	0.2	0.9	4.4	10.3	17.7	25.3	31.3	34.6	34.6	31.3	25.3	17.7	10.3	4.4	0.9	0.2			
-60		0.3	1.2	3.8	7.4	11.2	14.4	16.1	16.1	14.4	11.2	7.4	3.8	1.2	0.3				
-70	0.1	0.5		2.0		5.1		6.8		5.1		2.0		0.5		0.1			
-80		0.5		2.0		5.1		6.8		5.1		2.0		0.5					
-90	0.1	0.5		2.0		5.1		6.8		5.1		2.0		0.5		0.1			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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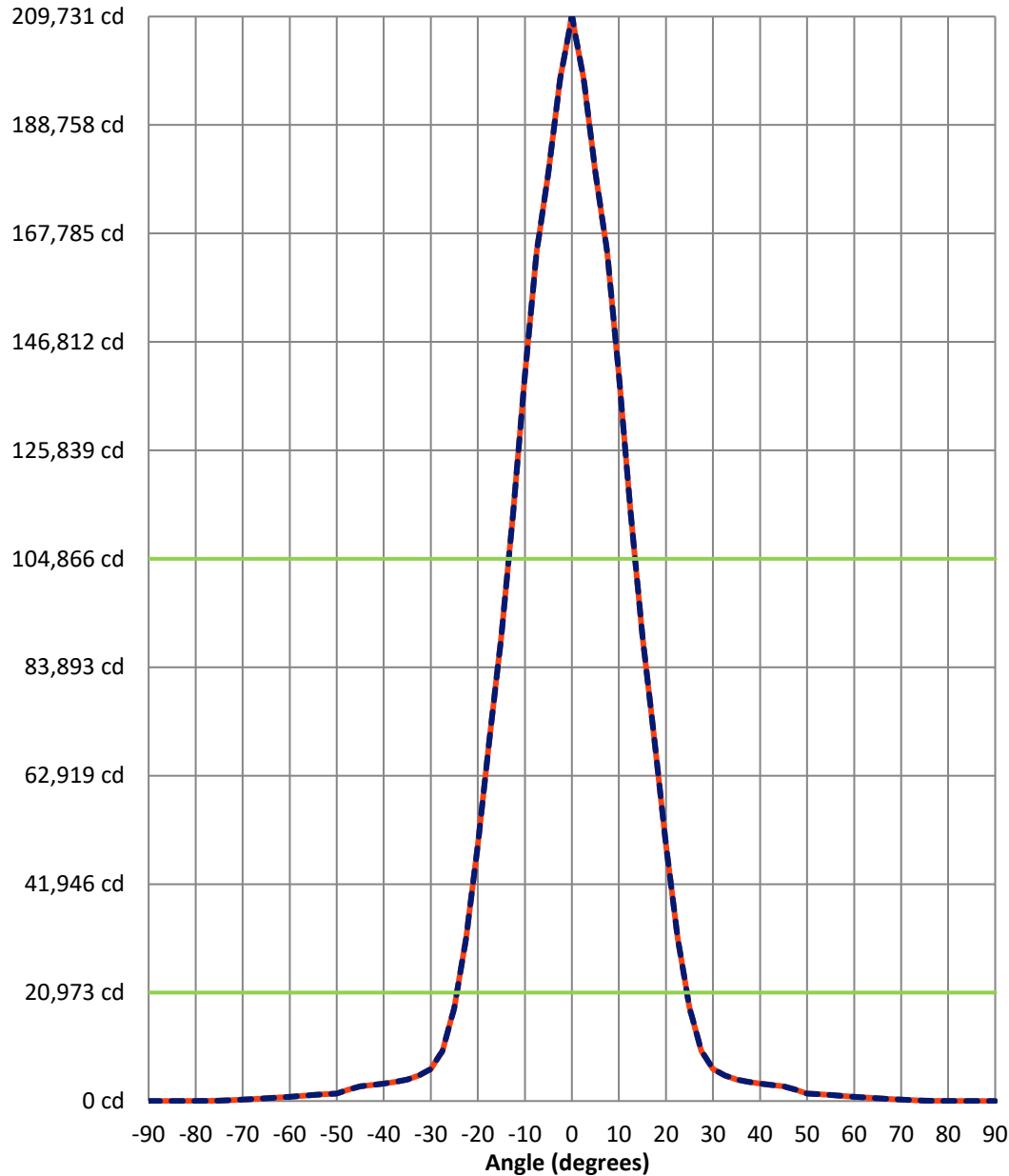
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
H Angle: 26.9°
V Angle: 26.9°
Lumens: 24560.7
Efficiency: 43.4%

Field:
H Angle: 48.9°
V Angle: 48.9°
Lumens: 47021.5
Efficiency: 83.0%

Spill:
Lumens: 9624.2
Efficiency: 17.0%

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

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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.1	1.3	1.5	1.6
85°	0.0	0.3	0.7	1.0	1.3	1.6	2.0	2.3	2.6	2.9	3.2
82.5°	0.0	0.5	1.0	1.5	2.0	2.5	2.9	3.4	3.9	4.2	4.6
80°	0.0	0.7	1.3	2.0	2.6	3.3	3.9	4.4	4.8	5.3	5.8
77.5°	0.0	0.8	1.6	2.5	3.3	4.0	4.6	5.2	5.8	6.4	7.2
75°	0.0	1.0	2.0	2.9	3.9	4.6	5.4	6.1	6.8	8.0	9.1
72.5°	0.0	1.1	2.3	3.4	4.4	5.2	6.1	7.1	8.4	9.7	11.0
70°	0.0	1.3	2.6	3.9	4.8	5.8	6.8	8.4	9.9	11.5	13.6
67.5°	0.0	1.5	2.9	4.2	5.3	6.4	8.0	9.7	11.5	13.9	16.2
65°	0.0	1.6	3.2	4.6	5.8	7.2	9.1	11.0	13.6	16.2	19.6
62.5°	0.0	1.8	3.5	4.9	6.2	8.1	10.2	12.7	15.7	19.1	24.8
60°	0.0	1.9	3.8	5.2	6.7	9.0	11.3	14.5	17.7	23.6	29.9
57.5°	0.0	2.0	4.0	5.6	7.4	9.9	12.7	16.2	21.3	28.1	42.9
55°	0.0	2.2	4.2	5.9	8.0	10.7	14.2	17.9	25.1	34.8	59.4
52.5°	0.0	2.3	4.4	6.2	8.7	11.6	15.6	21.0	28.9	49.3	75.5
50°	0.0	2.4	4.6	6.5	9.3	12.7	17.0	24.2	35.2	63.3	104.8
47.5°	0.0	2.6	4.8	6.8	10.0	13.8	18.5	27.3	47.2	76.9	134.8
45°	0.0	2.7	5.0	7.3	10.6	14.9	21.0	30.3	58.8	102.6	163.7
42.5°	0.0	2.8	5.2	7.7	11.1	15.9	23.5	37.2	70.0	127.5	197.7
40°	0.0	2.9	5.3	8.1	11.8	16.9	25.8	46.5	84.0	151.4	231.3
37.5°	0.0	3.0	5.5	8.5	12.5	17.8	28.0	55.3	104.2	175.8	263.4
35°	0.0	3.1	5.6	8.8	13.2	19.2	30.1	63.7	123.2	203.0	293.5
32.5°	0.0	3.2	5.8	9.2	13.9	20.9	33.5	71.6	141.2	228.6	321.4
30°	0.0	3.3	5.9	9.5	14.5	22.4	39.8	80.6	158.0	252.6	347.7
27.5°	0.0	3.4	6.0	9.8	15.0	23.8	45.6	94.2	175.1	274.9	372.1
25°	0.0	3.4	6.2	10.1	15.6	25.1	51.0	106.7	193.3	295.2	394.9
22.5°	0.0	3.5	6.3	10.3	16.0	26.3	55.9	118.1	209.9	313.6	420.9
20°	0.0	3.6	6.3	10.5	16.5	27.4	60.3	128.4	224.8	330.1	444.4
17.5°	0.0	3.6	6.4	10.7	16.8	28.4	64.2	137.6	238.1	344.9	465.3
15°	0.0	3.7	6.5	10.9	17.2	29.2	67.6	145.5	249.7	357.7	483.5
12.5°	0.0	3.7	6.6	11.1	17.5	29.9	70.6	152.3	259.5	368.6	499.1
10°	0.0	3.7	6.6	11.2	17.7	30.5	72.9	157.9	267.6	377.6	511.8
7.5°	0.0	3.8	6.7	11.3	17.9	30.9	74.8	162.2	273.9	384.6	521.8
5°	0.0	3.8	6.7	11.3	18.0	31.2	76.1	165.3	278.5	389.7	529.0
2.5°	0.0	3.8	6.7	11.4	18.1	31.4	76.9	167.2	281.2	392.7	533.3
0°	0.0	3.8	6.7	11.4	18.1	31.5	77.2	167.8	282.1	393.7	534.7
-2.5°	0.0	3.8	6.7	11.4	18.1	31.4	76.9	167.2	281.2	392.7	533.3
-5°	0.0	3.8	6.7	11.3	18.0	31.2	76.1	165.3	278.5	389.7	529.0
-7.5°	0.0	3.8	6.7	11.3	17.9	30.9	74.8	162.2	273.9	384.6	521.8
-10°	0.0	3.7	6.6	11.2	17.7	30.5	72.9	157.9	267.6	377.6	511.8
-12.5°	0.0	3.7	6.6	11.1	17.5	29.9	70.6	152.3	259.5	368.6	499.1
-15°	0.0	3.7	6.5	10.9	17.2	29.2	67.6	145.5	249.7	357.7	483.5
-17.5°	0.0	3.6	6.4	10.7	16.8	28.4	64.2	137.6	238.1	344.9	465.3
-20°	0.0	3.6	6.3	10.5	16.5	27.4	60.3	128.4	224.8	330.1	444.4



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 CATALOG NUMBER: EPH-08-320N-40-80-3S-HEG-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	3.5	6.3	10.3	16.0	26.3	55.9	118.1	209.9	313.6	420.9
-25°	0.0	3.4	6.2	10.1	15.6	25.1	51.0	106.7	193.3	295.2	394.9
-27.5°	0.0	3.4	6.0	9.8	15.0	23.8	45.6	94.2	175.1	274.9	372.1
-30°	0.0	3.3	5.9	9.5	14.5	22.4	39.8	80.6	158.0	252.6	347.7
-32.5°	0.0	3.2	5.8	9.2	13.9	20.9	33.5	71.6	141.2	228.6	321.4
-35°	0.0	3.1	5.6	8.8	13.2	19.2	30.1	63.7	123.2	203.0	293.5
-37.5°	0.0	3.0	5.5	8.5	12.5	17.8	28.0	55.3	104.2	175.8	263.4
-40°	0.0	2.9	5.3	8.1	11.8	16.9	25.8	46.5	84.0	151.4	231.3
-42.5°	0.0	2.8	5.2	7.7	11.1	15.9	23.5	37.2	70.0	127.5	197.7
-45°	0.0	2.7	5.0	7.3	10.6	14.9	21.0	30.3	58.8	102.6	163.7
-47.5°	0.0	2.6	4.8	6.8	10.0	13.8	18.5	27.3	47.2	76.9	134.8
-50°	0.0	2.4	4.6	6.5	9.3	12.7	17.0	24.2	35.2	63.3	104.8
-52.5°	0.0	2.3	4.4	6.2	8.7	11.6	15.6	21.0	28.9	49.3	75.5
-55°	0.0	2.2	4.2	5.9	8.0	10.7	14.2	17.9	25.1	34.8	59.4
-57.5°	0.0	2.0	4.0	5.6	7.4	9.9	12.7	16.2	21.3	28.1	42.9
-60°	0.0	1.9	3.8	5.2	6.7	9.0	11.3	14.5	17.7	23.6	29.9
-62.5°	0.0	1.8	3.5	4.9	6.2	8.1	10.2	12.7	15.7	19.1	24.8
-65°	0.0	1.6	3.2	4.6	5.8	7.2	9.1	11.0	13.6	16.2	19.6
-67.5°	0.0	1.5	2.9	4.2	5.3	6.4	8.0	9.7	11.5	13.9	16.2
-70°	0.0	1.3	2.6	3.9	4.8	5.8	6.8	8.4	9.9	11.5	13.6
-72.5°	0.0	1.1	2.3	3.4	4.4	5.2	6.1	7.1	8.4	9.7	11.0
-75°	0.0	1.0	2.0	2.9	3.9	4.6	5.4	6.1	6.8	8.0	9.1
-77.5°	0.0	0.8	1.6	2.5	3.3	4.0	4.6	5.2	5.8	6.4	7.2
-80°	0.0	0.7	1.3	2.0	2.6	3.3	3.9	4.4	4.8	5.3	5.8
-82.5°	0.0	0.5	1.0	1.5	2.0	2.5	2.9	3.4	3.9	4.2	4.6
-85°	0.0	0.3	0.7	1.0	1.3	1.6	2.0	2.3	2.6	2.9	3.2
-87.5°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.1	1.3	1.5	1.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-08-320N-40-80-3S-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	1.9	2.0	2.2	2.3	2.4	2.6	2.7	2.8	2.9	3.0
85°	3.5	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.3	5.5
82.5°	4.9	5.2	5.6	5.9	6.2	6.5	6.8	7.3	7.7	8.1	8.5
80°	6.2	6.7	7.4	8.0	8.7	9.3	10.0	10.6	11.1	11.8	12.5
77.5°	8.1	9.0	9.9	10.7	11.6	12.7	13.8	14.9	15.9	16.9	17.8
75°	10.2	11.3	12.7	14.2	15.6	17.0	18.5	21.0	23.5	25.8	28.0
72.5°	12.7	14.5	16.2	17.9	21.0	24.2	27.3	30.3	37.2	46.5	55.3
70°	15.7	17.7	21.3	25.1	28.9	35.2	47.2	58.8	70.0	84.0	104.2
67.5°	19.1	23.6	28.1	34.8	49.3	63.3	76.9	102.6	127.5	151.4	175.8
65°	24.8	29.9	42.9	59.4	75.5	104.8	134.8	163.7	197.7	231.3	263.4
62.5°	30.5	47.0	65.6	90.2	125.2	159.3	198.8	239.0	277.7	314.0	348.6
60°	47.0	67.6	98.4	137.6	177.9	224.8	270.3	313.6	354.9	394.9	442.8
57.5°	65.6	98.4	141.7	188.4	240.6	291.2	339.4	386.1	440.9	495.5	548.0
55°	90.2	137.6	188.4	245.9	301.6	355.1	410.6	474.2	535.7	596.0	653.8
52.5°	125.2	177.9	240.6	301.6	360.3	423.9	494.4	563.3	630.8	695.3	756.0
50°	159.3	224.8	291.2	355.1	423.9	501.1	577.2	651.9	722.9	790.7	864.6
47.5°	198.8	270.3	339.4	410.6	494.4	577.2	658.9	736.8	811.8	899.7	986.0
45°	239.0	313.6	386.1	474.2	563.3	651.9	736.8	818.8	917.4	1013.8	1109.9
42.5°	277.7	354.9	440.9	535.7	630.8	722.9	811.8	917.4	1023.2	1129.0	1221.4
40°	314.0	394.9	495.5	596.0	695.3	790.7	899.7	1013.8	1129.0	1229.5	1319.6
37.5°	348.6	442.8	548.0	653.8	756.0	864.6	986.0	1109.9	1221.4	1319.6	1399.2
35°	381.4	488.4	598.8	708.1	813.9	941.7	1072.0	1197.3	1303.1	1392.2	1611.6
32.5°	417.4	531.4	646.8	758.9	880.7	1016.0	1154.2	1270.4	1371.4	1524.1	2059.9
30°	454.1	572.7	691.6	806.7	944.8	1088.3	1222.1	1337.0	1432.8	1926.1	2439.6
27.5°	488.4	611.2	732.7	859.2	1005.4	1156.1	1282.8	1391.1	1706.2	2289.9	2774.2
25°	520.0	646.8	770.7	910.4	1063.6	1211.4	1336.8	1441.6	2038.5	2583.5	2943.9
22.5°	549.2	679.4	805.5	957.5	1117.1	1259.6	1380.0	1690.2	2322.7	2848.5	3063.9
20°	575.9	708.1	841.3	1000.5	1165.7	1303.4	1419.3	1950.7	2554.3	2950.9	3178.8
17.5°	599.7	733.6	876.1	1040.3	1203.0	1339.4	1483.9	2184.6	2762.8	3043.3	3284.8
15°	620.4	756.0	906.5	1075.1	1234.6	1368.0	1673.8	2359.3	2885.7	3126.5	3379.4
12.5°	638.1	775.0	932.5	1104.9	1261.7	1392.4	1836.4	2505.0	2950.6	3201.3	3478.9
10°	652.7	790.7	953.9	1129.4	1283.9	1412.5	1970.9	2625.6	3004.3	3263.4	3561.8
7.5°	664.0	803.0	970.6	1148.6	1301.4	1428.3	2076.4	2720.3	3046.6	3312.3	3627.2
5°	672.2	811.8	982.6	1162.3	1313.9	1439.7	2152.3	2788.5	3077.1	3347.6	3674.5
2.5°	677.1	817.0	989.8	1170.6	1321.5	1446.5	2198.0	2829.6	3095.5	3369.0	3703.0
0°	678.7	818.8	992.2	1173.4	1324.0	1448.8	2213.3	2843.3	3101.6	3376.1	3712.6
-2.5°	677.1	817.0	989.8	1170.6	1321.5	1446.5	2198.0	2829.6	3095.5	3369.0	3703.0
-5°	672.2	811.8	982.6	1162.3	1313.9	1439.7	2152.3	2788.5	3077.1	3347.6	3674.5
-7.5°	664.0	803.0	970.6	1148.6	1301.4	1428.3	2076.4	2720.3	3046.6	3312.3	3627.2
-10°	652.7	790.7	953.9	1129.4	1283.9	1412.5	1970.9	2625.6	3004.3	3263.4	3561.8
-12.5°	638.1	775.0	932.5	1104.9	1261.7	1392.4	1836.4	2505.0	2950.6	3201.3	3478.9
-15°	620.4	756.0	906.5	1075.1	1234.6	1368.0	1673.8	2359.3	2885.7	3126.5	3379.4
-17.5°	599.7	733.6	876.1	1040.3	1203.0	1339.4	1483.9	2184.6	2762.8	3043.3	3284.8
-20°	575.9	708.1	841.3	1000.5	1165.7	1303.4	1419.3	1950.7	2554.3	2950.9	3178.8



REPORT NUMBER: P1305889 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-3S-HEG-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	549.2	679.4	805.5	957.5	1117.1	1259.6	1380.0	1690.2	2322.7	2848.5	3063.9
-25°	520.0	646.8	770.7	910.4	1063.6	1211.4	1336.8	1441.6	2038.5	2583.5	2943.9
-27.5°	488.4	611.2	732.7	859.2	1005.4	1156.1	1282.8	1391.1	1706.2	2289.9	2774.2
-30°	454.1	572.7	691.6	806.7	944.8	1088.3	1222.1	1337.0	1432.8	1926.1	2439.6
-32.5°	417.4	531.4	646.8	758.9	880.7	1016.0	1154.2	1270.4	1371.4	1524.1	2059.9
-35°	381.4	488.4	598.8	708.1	813.9	941.7	1072.0	1197.3	1303.1	1392.2	1611.6
-37.5°	348.6	442.8	548.0	653.8	756.0	864.6	986.0	1109.9	1221.4	1319.6	1399.2
-40°	314.0	394.9	495.5	596.0	695.3	790.7	899.7	1013.8	1129.0	1229.5	1319.6
-42.5°	277.7	354.9	440.9	535.7	630.8	722.9	811.8	917.4	1023.2	1129.0	1221.4
-45°	239.0	313.6	386.1	474.2	563.3	651.9	736.8	818.8	917.4	1013.8	1109.9
-47.5°	198.8	270.3	339.4	410.6	494.4	577.2	658.9	736.8	811.8	899.7	986.0
-50°	159.3	224.8	291.2	355.1	423.9	501.1	577.2	651.9	722.9	790.7	864.6
-52.5°	125.2	177.9	240.6	301.6	360.3	423.9	494.4	563.3	630.8	695.3	756.0
-55°	90.2	137.6	188.4	245.9	301.6	355.1	410.6	474.2	535.7	596.0	653.8
-57.5°	65.6	98.4	141.7	188.4	240.6	291.2	339.4	386.1	440.9	495.5	548.0
-60°	47.0	67.6	98.4	137.6	177.9	224.8	270.3	313.6	354.9	394.9	442.8
-62.5°	30.5	47.0	65.6	90.2	125.2	159.3	198.8	239.0	277.7	314.0	348.6
-65°	24.8	29.9	42.9	59.4	75.5	104.8	134.8	163.7	197.7	231.3	263.4
-67.5°	19.1	23.6	28.1	34.8	49.3	63.3	76.9	102.6	127.5	151.4	175.8
-70°	15.7	17.7	21.3	25.1	28.9	35.2	47.2	58.8	70.0	84.0	104.2
-72.5°	12.7	14.5	16.2	17.9	21.0	24.2	27.3	30.3	37.2	46.5	55.3
-75°	10.2	11.3	12.7	14.2	15.6	17.0	18.5	21.0	23.5	25.8	28.0
-77.5°	8.1	9.0	9.9	10.7	11.6	12.7	13.8	14.9	15.9	16.9	17.8
-80°	6.2	6.7	7.4	8.0	8.7	9.3	10.0	10.6	11.1	11.8	12.5
-82.5°	4.9	5.2	5.6	5.9	6.2	6.5	6.8	7.3	7.7	8.1	8.5
-85°	3.5	3.8	4.0	4.2	4.4	4.6	4.8	5.0	5.2	5.3	5.5
-87.5°	1.8	1.9	2.0	2.2	2.3	2.4	2.6	2.7	2.8	2.9	3.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305889 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-3S-HEG-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.1	3.2	3.3	3.4	3.4	3.5	3.6	3.6	3.7	3.7	3.7
85°	5.6	5.8	5.9	6.0	6.2	6.3	6.3	6.4	6.5	6.6	6.6
82.5°	8.8	9.2	9.5	9.8	10.1	10.3	10.5	10.7	10.9	11.1	11.2
80°	13.2	13.9	14.5	15.0	15.6	16.0	16.5	16.8	17.2	17.5	17.7
77.5°	19.2	20.9	22.4	23.8	25.1	26.3	27.4	28.4	29.2	29.9	30.5
75°	30.1	33.5	39.8	45.6	51.0	55.9	60.3	64.2	67.6	70.6	72.9
72.5°	63.7	71.6	80.6	94.2	106.7	118.1	128.4	137.6	145.5	152.3	157.9
70°	123.2	141.2	158.0	175.1	193.3	209.9	224.8	238.1	249.7	259.5	267.6
67.5°	203.0	228.6	252.6	274.9	295.2	313.6	330.1	344.9	357.7	368.6	377.6
65°	293.5	321.4	347.7	372.1	394.9	420.9	444.4	465.3	483.5	499.1	511.8
62.5°	381.4	417.4	454.1	488.4	520.0	549.2	575.9	599.7	620.4	638.1	652.7
60°	488.4	531.4	572.7	611.2	646.8	679.4	708.1	733.6	756.0	775.0	790.7
57.5°	598.8	646.8	691.6	732.7	770.7	805.5	841.3	876.1	906.5	932.5	953.9
55°	708.1	758.9	806.7	859.2	910.4	957.5	1000.5	1040.3	1075.1	1104.9	1129.4
52.5°	813.9	880.7	944.8	1005.4	1063.6	1117.1	1165.7	1203.0	1234.6	1261.7	1283.9
50°	941.7	1016.0	1088.3	1156.1	1211.4	1259.6	1303.4	1339.4	1368.0	1392.4	1412.5
47.5°	1072.0	1154.2	1222.1	1282.8	1336.8	1380.0	1419.3	1483.9	1673.8	1836.4	1970.9
45°	1197.3	1270.4	1337.0	1391.1	1441.6	1690.2	1950.7	2184.6	2359.3	2505.0	2625.6
42.5°	1303.1	1371.4	1432.8	1706.2	2038.5	2322.7	2554.3	2762.8	2885.7	2950.6	3004.3
40°	1392.2	1524.1	1926.1	2289.9	2583.5	2848.5	2950.9	3043.3	3126.5	3201.3	3263.4
37.5°	1611.6	2059.9	2439.6	2774.2	2943.9	3063.9	3178.8	3284.8	3379.4	3478.9	3561.8
35°	2104.8	2515.4	2862.6	3008.8	3149.5	3286.4	3420.7	3561.1	3685.9	3820.7	3940.7
32.5°	2515.4	2878.6	3041.7	3203.3	3359.8	3535.8	3702.2	3900.0	4079.7	4295.6	4528.8
30°	2862.6	3041.7	3221.3	3401.7	3606.3	3827.0	4064.6	4377.7	4725.1	5068.7	5466.9
27.5°	3008.8	3203.3	3401.7	3630.0	3892.2	4170.4	4625.6	5093.3	5682.3	6199.0	7441.5
25°	3149.5	3359.8	3606.3	3892.2	4231.2	4751.9	5400.5	6106.6	7759.2	9372.6	12067.8
22.5°	3286.4	3535.8	3827.0	4170.4	4751.9	5504.4	6550.9	8729.4	12008.6	16148.7	20674.9
20°	3420.7	3702.2	4064.6	4625.6	5400.5	6550.9	9058.5	13629.7	19077.5	26398.7	33156.9
17.5°	3561.1	3900.0	4377.7	5093.3	6106.6	8729.4	13629.7	20476.9	29366.1	39506.2	49014.7
15°	3685.9	4079.7	4725.1	5682.3	7759.2	12008.6	19077.5	29366.1	41684.0	54254.7	66382.8
12.5°	3820.7	4295.6	5068.7	6199.0	9372.6	16148.7	26398.7	39506.2	54254.7	69328.5	82379.5
10°	3940.7	4528.8	5466.9	7441.5	12067.8	20674.9	33156.9	49014.7	66382.8	82379.5	97948.7
7.5°	4035.5	4713.8	5783.8	8438.0	14647.3	25289.8	40125.2	57887.8	76272.0	94000.9	113907.9
5°	4104.1	4847.9	6014.3	9165.1	16538.0	28692.1	45302.2	64609.1	83679.0	104346.0	127116.2
2.5°	4145.7	4929.2	6154.3	9607.9	17693.0	30779.4	48496.7	68790.6	88342.7	111288.1	136810.7
0°	4159.6	4956.5	6201.3	9756.6	18081.6	31483.2	49577.2	70211.4	89938.1	113682.5	140299.7
-2.5°	4145.7	4929.2	6154.3	9607.9	17693.0	30779.4	48496.7	68790.6	88342.7	111288.1	136810.7
-5°	4104.1	4847.9	6014.3	9165.1	16538.0	28692.1	45302.2	64609.1	83679.0	104346.0	127116.2
-7.5°	4035.5	4713.8	5783.8	8438.0	14647.3	25289.8	40125.2	57887.8	76272.0	94000.9	113907.9
-10°	3940.7	4528.8	5466.9	7441.5	12067.8	20674.9	33156.9	49014.7	66382.8	82379.5	97948.7
-12.5°	3820.7	4295.6	5068.7	6199.0	9372.6	16148.7	26398.7	39506.2	54254.7	69328.5	82379.5
-15°	3685.9	4079.7	4725.1	5682.3	7759.2	12008.6	19077.5	29366.1	41684.0	54254.7	66382.8
-17.5°	3561.1	3900.0	4377.7	5093.3	6106.6	8729.4	13629.7	20476.9	29366.1	39506.2	49014.7
-20°	3420.7	3702.2	4064.6	4625.6	5400.5	6550.9	9058.5	13629.7	19077.5	26398.7	33156.9



REPORT NUMBER: P1305889 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-3S-HEG-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3286.4	3535.8	3827.0	4170.4	4751.9	5504.4	6550.9	8729.4	12008.6	16148.7	20674.9
-25°	3149.5	3359.8	3606.3	3892.2	4231.2	4751.9	5400.5	6106.6	7759.2	9372.6	12067.8
-27.5°	3008.8	3203.3	3401.7	3630.0	3892.2	4170.4	4625.6	5093.3	5682.3	6199.0	7441.5
-30°	2862.6	3041.7	3221.3	3401.7	3606.3	3827.0	4064.6	4377.7	4725.1	5068.7	5466.9
-32.5°	2515.4	2878.6	3041.7	3203.3	3359.8	3535.8	3702.2	3900.0	4079.7	4295.6	4528.8
-35°	2104.8	2515.4	2862.6	3008.8	3149.5	3286.4	3420.7	3561.1	3685.9	3820.7	3940.7
-37.5°	1611.6	2059.9	2439.6	2774.2	2943.9	3063.9	3178.8	3284.8	3379.4	3478.9	3561.8
-40°	1392.2	1524.1	1926.1	2289.9	2583.5	2848.5	2950.9	3043.3	3126.5	3201.3	3263.4
-42.5°	1303.1	1371.4	1432.8	1706.2	2038.5	2322.7	2554.3	2762.8	2885.7	2950.6	3004.3
-45°	1197.3	1270.4	1337.0	1391.1	1441.6	1690.2	1950.7	2184.6	2359.3	2505.0	2625.6
-47.5°	1072.0	1154.2	1222.1	1282.8	1336.8	1380.0	1419.3	1483.9	1673.8	1836.4	1970.9
-50°	941.7	1016.0	1088.3	1156.1	1211.4	1259.6	1303.4	1339.4	1368.0	1392.4	1412.5
-52.5°	813.9	880.7	944.8	1005.4	1063.6	1117.1	1165.7	1203.0	1234.6	1261.7	1283.9
-55°	708.1	758.9	806.7	859.2	910.4	957.5	1000.5	1040.3	1075.1	1104.9	1129.4
-57.5°	598.8	646.8	691.6	732.7	770.7	805.5	841.3	876.1	906.5	932.5	953.9
-60°	488.4	531.4	572.7	611.2	646.8	679.4	708.1	733.6	756.0	775.0	790.7
-62.5°	381.4	417.4	454.1	488.4	520.0	549.2	575.9	599.7	620.4	638.1	652.7
-65°	293.5	321.4	347.7	372.1	394.9	420.9	444.4	465.3	483.5	499.1	511.8
-67.5°	203.0	228.6	252.6	274.9	295.2	313.6	330.1	344.9	357.7	368.6	377.6
-70°	123.2	141.2	158.0	175.1	193.3	209.9	224.8	238.1	249.7	259.5	267.6
-72.5°	63.7	71.6	80.6	94.2	106.7	118.1	128.4	137.6	145.5	152.3	157.9
-75°	30.1	33.5	39.8	45.6	51.0	55.9	60.3	64.2	67.6	70.6	72.9
-77.5°	19.2	20.9	22.4	23.8	25.1	26.3	27.4	28.4	29.2	29.9	30.5
-80°	13.2	13.9	14.5	15.0	15.6	16.0	16.5	16.8	17.2	17.5	17.7
-82.5°	8.8	9.2	9.5	9.8	10.1	10.3	10.5	10.7	10.9	11.1	11.2
-85°	5.6	5.8	5.9	6.0	6.2	6.3	6.3	6.4	6.5	6.6	6.6
-87.5°	3.1	3.2	3.3	3.4	3.4	3.5	3.6	3.6	3.7	3.7	3.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305889 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-3S-HEG-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.6
85°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.5	6.4
82.5°	11.3	11.3	11.4	11.4	11.4	11.3	11.3	11.2	11.1	10.9	10.7
80°	17.9	18.0	18.1	18.1	18.1	18.0	17.9	17.7	17.5	17.2	16.8
77.5°	30.9	31.2	31.4	31.5	31.4	31.2	30.9	30.5	29.9	29.2	28.4
75°	74.8	76.1	76.9	77.2	76.9	76.1	74.8	72.9	70.6	67.6	64.2
72.5°	162.2	165.3	167.2	167.8	167.2	165.3	162.2	157.9	152.3	145.5	137.6
70°	273.9	278.5	281.2	282.1	281.2	278.5	273.9	267.6	259.5	249.7	238.1
67.5°	384.6	389.7	392.7	393.7	392.7	389.7	384.6	377.6	368.6	357.7	344.9
65°	521.8	529.0	533.3	534.7	533.3	529.0	521.8	511.8	499.1	483.5	465.3
62.5°	664.0	672.2	677.1	678.7	677.1	672.2	664.0	652.7	638.1	620.4	599.7
60°	803.0	811.8	817.0	818.8	817.0	811.8	803.0	790.7	775.0	756.0	733.6
57.5°	970.6	982.6	989.8	992.2	989.8	982.6	970.6	953.9	932.5	906.5	876.1
55°	1148.6	1162.3	1170.6	1173.4	1170.6	1162.3	1148.6	1129.4	1104.9	1075.1	1040.3
52.5°	1301.4	1313.9	1321.5	1324.0	1321.5	1313.9	1301.4	1283.9	1261.7	1234.6	1203.0
50°	1428.3	1439.7	1446.5	1448.8	1446.5	1439.7	1428.3	1412.5	1392.4	1368.0	1339.4
47.5°	2076.4	2152.3	2198.0	2213.3	2198.0	2152.3	2076.4	1970.9	1836.4	1673.8	1483.9
45°	2720.3	2788.5	2829.6	2843.3	2829.6	2788.5	2720.3	2625.6	2505.0	2359.3	2184.6
42.5°	3046.6	3077.1	3095.5	3101.6	3095.5	3077.1	3046.6	3004.3	2950.6	2885.7	2762.8
40°	3312.3	3347.6	3369.0	3376.1	3369.0	3347.6	3312.3	3263.4	3201.3	3126.5	3043.3
37.5°	3627.2	3674.5	3703.0	3712.6	3703.0	3674.5	3627.2	3561.8	3478.9	3379.4	3284.8
35°	4035.5	4104.1	4145.7	4159.6	4145.7	4104.1	4035.5	3940.7	3820.7	3685.9	3561.1
32.5°	4713.8	4847.9	4929.2	4956.5	4929.2	4847.9	4713.8	4528.8	4295.6	4079.7	3900.0
30°	5783.8	6014.3	6154.3	6201.3	6154.3	6014.3	5783.8	5466.9	5068.7	4725.1	4377.7
27.5°	8438.0	9165.1	9607.9	9756.6	9607.9	9165.1	8438.0	7441.5	6199.0	5682.3	5093.3
25°	14647.3	16538.0	17693.0	18081.6	17693.0	16538.0	14647.3	12067.8	9372.6	7759.2	6106.6
22.5°	25289.8	28692.1	30779.4	31483.2	30779.4	28692.1	25289.8	20674.9	16148.7	12008.6	8729.4
20°	40125.2	45302.2	48496.7	49577.2	48496.7	45302.2	40125.2	33156.9	26398.7	19077.5	13629.7
17.5°	57887.8	64609.1	68790.6	70211.4	68790.6	64609.1	57887.8	49014.7	39506.2	29366.1	20476.9
15°	76272.0	83679.0	88342.7	89938.1	88342.7	83679.0	76272.0	66382.8	54254.7	41684.0	29366.1
12.5°	94000.9	104346.0	111288.1	113682.5	111288.1	104346.0	94000.9	82379.5	69328.5	54254.7	39506.2
10°	113907.9	127116.2	136810.7	140299.7	136810.7	127116.2	113907.9	97948.7	82379.5	66382.8	49014.7
7.5°	133527.3	151358.1	161221.2	164149.5	161221.2	151358.1	133527.3	113907.9	94000.9	76272.0	57887.8
5°	151358.1	167295.4	176418.0	179574.1	176418.0	167295.4	151358.1	127116.2	104346.0	83679.0	64609.1
2.5°	161221.2	176418.0	189081.1	197673.9	189081.1	176418.0	161221.2	136810.7	111288.1	88342.7	68790.6
0°	164149.5	179574.1	197673.9	209731.4	197673.9	179574.1	164149.5	140299.7	113682.5	89938.1	70211.4
-2.5°	161221.2	176418.0	189081.1	197673.9	189081.1	176418.0	161221.2	136810.7	111288.1	88342.7	68790.6
-5°	151358.1	167295.4	176418.0	179574.1	176418.0	167295.4	151358.1	127116.2	104346.0	83679.0	64609.1
-7.5°	133527.3	151358.1	161221.2	164149.5	161221.2	151358.1	133527.3	113907.9	94000.9	76272.0	57887.8
-10°	113907.9	127116.2	136810.7	140299.7	136810.7	127116.2	113907.9	97948.7	82379.5	66382.8	49014.7
-12.5°	94000.9	104346.0	111288.1	113682.5	111288.1	104346.0	94000.9	82379.5	69328.5	54254.7	39506.2
-15°	76272.0	83679.0	88342.7	89938.1	88342.7	83679.0	76272.0	66382.8	54254.7	41684.0	29366.1
-17.5°	57887.8	64609.1	68790.6	70211.4	68790.6	64609.1	57887.8	49014.7	39506.2	29366.1	20476.9
-20°	40125.2	45302.2	48496.7	49577.2	48496.7	45302.2	40125.2	33156.9	26398.7	19077.5	13629.7



REPORT NUMBER: P1305889 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-3S-HEG-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	25289.8	28692.1	30779.4	31483.2	30779.4	28692.1	25289.8	20674.9	16148.7	12008.6	8729.4
-25°	14647.3	16538.0	17693.0	18081.6	17693.0	16538.0	14647.3	12067.8	9372.6	7759.2	6106.6
-27.5°	8438.0	9165.1	9607.9	9756.6	9607.9	9165.1	8438.0	7441.5	6199.0	5682.3	5093.3
-30°	5783.8	6014.3	6154.3	6201.3	6154.3	6014.3	5783.8	5466.9	5068.7	4725.1	4377.7
-32.5°	4713.8	4847.9	4929.2	4956.5	4929.2	4847.9	4713.8	4528.8	4295.6	4079.7	3900.0
-35°	4035.5	4104.1	4145.7	4159.6	4145.7	4104.1	4035.5	3940.7	3820.7	3685.9	3561.1
-37.5°	3627.2	3674.5	3703.0	3712.6	3703.0	3674.5	3627.2	3561.8	3478.9	3379.4	3284.8
-40°	3312.3	3347.6	3369.0	3376.1	3369.0	3347.6	3312.3	3263.4	3201.3	3126.5	3043.3
-42.5°	3046.6	3077.1	3095.5	3101.6	3095.5	3077.1	3046.6	3004.3	2950.6	2885.7	2762.8
-45°	2720.3	2788.5	2829.6	2843.3	2829.6	2788.5	2720.3	2625.6	2505.0	2359.3	2184.6
-47.5°	2076.4	2152.3	2198.0	2213.3	2198.0	2152.3	2076.4	1970.9	1836.4	1673.8	1483.9
-50°	1428.3	1439.7	1446.5	1448.8	1446.5	1439.7	1428.3	1412.5	1392.4	1368.0	1339.4
-52.5°	1301.4	1313.9	1321.5	1324.0	1321.5	1313.9	1301.4	1283.9	1261.7	1234.6	1203.0
-55°	1148.6	1162.3	1170.6	1173.4	1170.6	1162.3	1148.6	1129.4	1104.9	1075.1	1040.3
-57.5°	970.6	982.6	989.8	992.2	989.8	982.6	970.6	953.9	932.5	906.5	876.1
-60°	803.0	811.8	817.0	818.8	817.0	811.8	803.0	790.7	775.0	756.0	733.6
-62.5°	664.0	672.2	677.1	678.7	677.1	672.2	664.0	652.7	638.1	620.4	599.7
-65°	521.8	529.0	533.3	534.7	533.3	529.0	521.8	511.8	499.1	483.5	465.3
-67.5°	384.6	389.7	392.7	393.7	392.7	389.7	384.6	377.6	368.6	357.7	344.9
-70°	273.9	278.5	281.2	282.1	281.2	278.5	273.9	267.6	259.5	249.7	238.1
-72.5°	162.2	165.3	167.2	167.8	167.2	165.3	162.2	157.9	152.3	145.5	137.6
-75°	74.8	76.1	76.9	77.2	76.9	76.1	74.8	72.9	70.6	67.6	64.2
-77.5°	30.9	31.2	31.4	31.5	31.4	31.2	30.9	30.5	29.9	29.2	28.4
-80°	17.9	18.0	18.1	18.1	18.1	18.0	17.9	17.7	17.5	17.2	16.8
-82.5°	11.3	11.3	11.4	11.4	11.4	11.3	11.3	11.2	11.1	10.9	10.7
-85°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.6	6.5	6.4
-87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305889 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-3S-HEG-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.6	3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7
85°	6.3	6.3	6.2	6.0	5.9	5.8	5.6	5.5	5.3	5.2	5.0
82.5°	10.5	10.3	10.1	9.8	9.5	9.2	8.8	8.5	8.1	7.7	7.3
80°	16.5	16.0	15.6	15.0	14.5	13.9	13.2	12.5	11.8	11.1	10.6
77.5°	27.4	26.3	25.1	23.8	22.4	20.9	19.2	17.8	16.9	15.9	14.9
75°	60.3	55.9	51.0	45.6	39.8	33.5	30.1	28.0	25.8	23.5	21.0
72.5°	128.4	118.1	106.7	94.2	80.6	71.6	63.7	55.3	46.5	37.2	30.3
70°	224.8	209.9	193.3	175.1	158.0	141.2	123.2	104.2	84.0	70.0	58.8
67.5°	330.1	313.6	295.2	274.9	252.6	228.6	203.0	175.8	151.4	127.5	102.6
65°	444.4	420.9	394.9	372.1	347.7	321.4	293.5	263.4	231.3	197.7	163.7
62.5°	575.9	549.2	520.0	488.4	454.1	417.4	381.4	348.6	314.0	277.7	239.0
60°	708.1	679.4	646.8	611.2	572.7	531.4	488.4	442.8	394.9	354.9	313.6
57.5°	841.3	805.5	770.7	732.7	691.6	646.8	598.8	548.0	495.5	440.9	386.1
55°	1000.5	957.5	910.4	859.2	806.7	758.9	708.1	653.8	596.0	535.7	474.2
52.5°	1165.7	1117.1	1063.6	1005.4	944.8	880.7	813.9	756.0	695.3	630.8	563.3
50°	1303.4	1259.6	1211.4	1156.1	1088.3	1016.0	941.7	864.6	790.7	722.9	651.9
47.5°	1419.3	1380.0	1336.8	1282.8	1222.1	1154.2	1072.0	986.0	899.7	811.8	736.8
45°	1950.7	1690.2	1441.6	1391.1	1337.0	1270.4	1197.3	1109.9	1013.8	917.4	818.8
42.5°	2554.3	2322.7	2038.5	1706.2	1432.8	1371.4	1303.1	1221.4	1129.0	1023.2	917.4
40°	2950.9	2848.5	2583.5	2289.9	1926.1	1524.1	1392.2	1319.6	1229.5	1129.0	1013.8
37.5°	3178.8	3063.9	2943.9	2774.2	2439.6	2059.9	1611.6	1399.2	1319.6	1221.4	1109.9
35°	3420.7	3286.4	3149.5	3008.8	2862.6	2515.4	2104.8	1611.6	1392.2	1303.1	1197.3
32.5°	3702.2	3535.8	3359.8	3203.3	3041.7	2878.6	2515.4	2059.9	1524.1	1371.4	1270.4
30°	4064.6	3827.0	3606.3	3401.7	3221.3	3041.7	2862.6	2439.6	1926.1	1432.8	1337.0
27.5°	4625.6	4170.4	3892.2	3630.0	3401.7	3203.3	3008.8	2774.2	2289.9	1706.2	1391.1
25°	5400.5	4751.9	4231.2	3892.2	3606.3	3359.8	3149.5	2943.9	2583.5	2038.5	1441.6
22.5°	6550.9	5504.4	4751.9	4170.4	3827.0	3535.8	3286.4	3063.9	2848.5	2322.7	1690.2
20°	9058.5	6550.9	5400.5	4625.6	4064.6	3702.2	3420.7	3178.8	2950.9	2554.3	1950.7
17.5°	13629.7	8729.4	6106.6	5093.3	4377.7	3900.0	3561.1	3284.8	3043.3	2762.8	2184.6
15°	19077.5	12008.6	7759.2	5682.3	4725.1	4079.7	3685.9	3379.4	3126.5	2885.7	2359.3
12.5°	26398.7	16148.7	9372.6	6199.0	5068.7	4295.6	3820.7	3478.9	3201.3	2950.6	2505.0
10°	33156.9	20674.9	12067.8	7441.5	5466.9	4528.8	3940.7	3561.8	3263.4	3004.3	2625.6
7.5°	40125.2	25289.8	14647.3	8438.0	5783.8	4713.8	4035.5	3627.2	3312.3	3046.6	2720.3
5°	45302.2	28692.1	16538.0	9165.1	6014.3	4847.9	4104.1	3674.5	3347.6	3077.1	2788.5
2.5°	48496.7	30779.4	17693.0	9607.9	6154.3	4929.2	4145.7	3703.0	3369.0	3095.5	2829.6
0°	49577.2	31483.2	18081.6	9756.6	6201.3	4956.5	4159.6	3712.6	3376.1	3101.6	2843.3
-2.5°	48496.7	30779.4	17693.0	9607.9	6154.3	4929.2	4145.7	3703.0	3369.0	3095.5	2829.6
-5°	45302.2	28692.1	16538.0	9165.1	6014.3	4847.9	4104.1	3674.5	3347.6	3077.1	2788.5
-7.5°	40125.2	25289.8	14647.3	8438.0	5783.8	4713.8	4035.5	3627.2	3312.3	3046.6	2720.3
-10°	33156.9	20674.9	12067.8	7441.5	5466.9	4528.8	3940.7	3561.8	3263.4	3004.3	2625.6
-12.5°	26398.7	16148.7	9372.6	6199.0	5068.7	4295.6	3820.7	3478.9	3201.3	2950.6	2505.0
-15°	19077.5	12008.6	7759.2	5682.3	4725.1	4079.7	3685.9	3379.4	3126.5	2885.7	2359.3
-17.5°	13629.7	8729.4	6106.6	5093.3	4377.7	3900.0	3561.1	3284.8	3043.3	2762.8	2184.6
-20°	9058.5	6550.9	5400.5	4625.6	4064.6	3702.2	3420.7	3178.8	2950.9	2554.3	1950.7



REPORT NUMBER: P1305889 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-3S-HEG-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6550.9	5504.4	4751.9	4170.4	3827.0	3535.8	3286.4	3063.9	2848.5	2322.7	1690.2
-25°	5400.5	4751.9	4231.2	3892.2	3606.3	3359.8	3149.5	2943.9	2583.5	2038.5	1441.6
-27.5°	4625.6	4170.4	3892.2	3630.0	3401.7	3203.3	3008.8	2774.2	2289.9	1706.2	1391.1
-30°	4064.6	3827.0	3606.3	3401.7	3221.3	3041.7	2862.6	2439.6	1926.1	1432.8	1337.0
-32.5°	3702.2	3535.8	3359.8	3203.3	3041.7	2878.6	2515.4	2059.9	1524.1	1371.4	1270.4
-35°	3420.7	3286.4	3149.5	3008.8	2862.6	2515.4	2104.8	1611.6	1392.2	1303.1	1197.3
-37.5°	3178.8	3063.9	2943.9	2774.2	2439.6	2059.9	1611.6	1399.2	1319.6	1221.4	1109.9
-40°	2950.9	2848.5	2583.5	2289.9	1926.1	1524.1	1392.2	1319.6	1229.5	1129.0	1013.8
-42.5°	2554.3	2322.7	2038.5	1706.2	1432.8	1371.4	1303.1	1221.4	1129.0	1023.2	917.4
-45°	1950.7	1690.2	1441.6	1391.1	1337.0	1270.4	1197.3	1109.9	1013.8	917.4	818.8
-47.5°	1419.3	1380.0	1336.8	1282.8	1222.1	1154.2	1072.0	986.0	899.7	811.8	736.8
-50°	1303.4	1259.6	1211.4	1156.1	1088.3	1016.0	941.7	864.6	790.7	722.9	651.9
-52.5°	1165.7	1117.1	1063.6	1005.4	944.8	880.7	813.9	756.0	695.3	630.8	563.3
-55°	1000.5	957.5	910.4	859.2	806.7	758.9	708.1	653.8	596.0	535.7	474.2
-57.5°	841.3	805.5	770.7	732.7	691.6	646.8	598.8	548.0	495.5	440.9	386.1
-60°	708.1	679.4	646.8	611.2	572.7	531.4	488.4	442.8	394.9	354.9	313.6
-62.5°	575.9	549.2	520.0	488.4	454.1	417.4	381.4	348.6	314.0	277.7	239.0
-65°	444.4	420.9	394.9	372.1	347.7	321.4	293.5	263.4	231.3	197.7	163.7
-67.5°	330.1	313.6	295.2	274.9	252.6	228.6	203.0	175.8	151.4	127.5	102.6
-70°	224.8	209.9	193.3	175.1	158.0	141.2	123.2	104.2	84.0	70.0	58.8
-72.5°	128.4	118.1	106.7	94.2	80.6	71.6	63.7	55.3	46.5	37.2	30.3
-75°	60.3	55.9	51.0	45.6	39.8	33.5	30.1	28.0	25.8	23.5	21.0
-77.5°	27.4	26.3	25.1	23.8	22.4	20.9	19.2	17.8	16.9	15.9	14.9
-80°	16.5	16.0	15.6	15.0	14.5	13.9	13.2	12.5	11.8	11.1	10.6
-82.5°	10.5	10.3	10.1	9.8	9.5	9.2	8.8	8.5	8.1	7.7	7.3
-85°	6.3	6.3	6.2	6.0	5.9	5.8	5.6	5.5	5.3	5.2	5.0
-87.5°	3.6	3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305889 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-3S-HEG-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	2.4	2.3	2.2	2.0	1.9	1.8	1.6	1.5	1.3	1.1
85°	4.8	4.6	4.4	4.2	4.0	3.8	3.5	3.2	2.9	2.6	2.3
82.5°	6.8	6.5	6.2	5.9	5.6	5.2	4.9	4.6	4.2	3.9	3.4
80°	10.0	9.3	8.7	8.0	7.4	6.7	6.2	5.8	5.3	4.8	4.4
77.5°	13.8	12.7	11.6	10.7	9.9	9.0	8.1	7.2	6.4	5.8	5.2
75°	18.5	17.0	15.6	14.2	12.7	11.3	10.2	9.1	8.0	6.8	6.1
72.5°	27.3	24.2	21.0	17.9	16.2	14.5	12.7	11.0	9.7	8.4	7.1
70°	47.2	35.2	28.9	25.1	21.3	17.7	15.7	13.6	11.5	9.9	8.4
67.5°	76.9	63.3	49.3	34.8	28.1	23.6	19.1	16.2	13.9	11.5	9.7
65°	134.8	104.8	75.5	59.4	42.9	29.9	24.8	19.6	16.2	13.6	11.0
62.5°	198.8	159.3	125.2	90.2	65.6	47.0	30.5	24.8	19.1	15.7	12.7
60°	270.3	224.8	177.9	137.6	98.4	67.6	47.0	29.9	23.6	17.7	14.5
57.5°	339.4	291.2	240.6	188.4	141.7	98.4	65.6	42.9	28.1	21.3	16.2
55°	410.6	355.1	301.6	245.9	188.4	137.6	90.2	59.4	34.8	25.1	17.9
52.5°	494.4	423.9	360.3	301.6	240.6	177.9	125.2	75.5	49.3	28.9	21.0
50°	577.2	501.1	423.9	355.1	291.2	224.8	159.3	104.8	63.3	35.2	24.2
47.5°	658.9	577.2	494.4	410.6	339.4	270.3	198.8	134.8	76.9	47.2	27.3
45°	736.8	651.9	563.3	474.2	386.1	313.6	239.0	163.7	102.6	58.8	30.3
42.5°	811.8	722.9	630.8	535.7	440.9	354.9	277.7	197.7	127.5	70.0	37.2
40°	899.7	790.7	695.3	596.0	495.5	394.9	314.0	231.3	151.4	84.0	46.5
37.5°	986.0	864.6	756.0	653.8	548.0	442.8	348.6	263.4	175.8	104.2	55.3
35°	1072.0	941.7	813.9	708.1	598.8	488.4	381.4	293.5	203.0	123.2	63.7
32.5°	1154.2	1016.0	880.7	758.9	646.8	531.4	417.4	321.4	228.6	141.2	71.6
30°	1222.1	1088.3	944.8	806.7	691.6	572.7	454.1	347.7	252.6	158.0	80.6
27.5°	1282.8	1156.1	1005.4	859.2	732.7	611.2	488.4	372.1	274.9	175.1	94.2
25°	1336.8	1211.4	1063.6	910.4	770.7	646.8	520.0	394.9	295.2	193.3	106.7
22.5°	1380.0	1259.6	1117.1	957.5	805.5	679.4	549.2	420.9	313.6	209.9	118.1
20°	1419.3	1303.4	1165.7	1000.5	841.3	708.1	575.9	444.4	330.1	224.8	128.4
17.5°	1483.9	1339.4	1203.0	1040.3	876.1	733.6	599.7	465.3	344.9	238.1	137.6
15°	1673.8	1368.0	1234.6	1075.1	906.5	756.0	620.4	483.5	357.7	249.7	145.5
12.5°	1836.4	1392.4	1261.7	1104.9	932.5	775.0	638.1	499.1	368.6	259.5	152.3
10°	1970.9	1412.5	1283.9	1129.4	953.9	790.7	652.7	511.8	377.6	267.6	157.9
7.5°	2076.4	1428.3	1301.4	1148.6	970.6	803.0	664.0	521.8	384.6	273.9	162.2
5°	2152.3	1439.7	1313.9	1162.3	982.6	811.8	672.2	529.0	389.7	278.5	165.3
2.5°	2198.0	1446.5	1321.5	1170.6	989.8	817.0	677.1	533.3	392.7	281.2	167.2
0°	2213.3	1448.8	1324.0	1173.4	992.2	818.8	678.7	534.7	393.7	282.1	167.8
-2.5°	2198.0	1446.5	1321.5	1170.6	989.8	817.0	677.1	533.3	392.7	281.2	167.2
-5°	2152.3	1439.7	1313.9	1162.3	982.6	811.8	672.2	529.0	389.7	278.5	165.3
-7.5°	2076.4	1428.3	1301.4	1148.6	970.6	803.0	664.0	521.8	384.6	273.9	162.2
-10°	1970.9	1412.5	1283.9	1129.4	953.9	790.7	652.7	511.8	377.6	267.6	157.9
-12.5°	1836.4	1392.4	1261.7	1104.9	932.5	775.0	638.1	499.1	368.6	259.5	152.3
-15°	1673.8	1368.0	1234.6	1075.1	906.5	756.0	620.4	483.5	357.7	249.7	145.5
-17.5°	1483.9	1339.4	1203.0	1040.3	876.1	733.6	599.7	465.3	344.9	238.1	137.6
-20°	1419.3	1303.4	1165.7	1000.5	841.3	708.1	575.9	444.4	330.1	224.8	128.4



REPORT NUMBER: P1305889 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-3S-HEG-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1380.0	1259.6	1117.1	957.5	805.5	679.4	549.2	420.9	313.6	209.9	118.1
-25°	1336.8	1211.4	1063.6	910.4	770.7	646.8	520.0	394.9	295.2	193.3	106.7
-27.5°	1282.8	1156.1	1005.4	859.2	732.7	611.2	488.4	372.1	274.9	175.1	94.2
-30°	1222.1	1088.3	944.8	806.7	691.6	572.7	454.1	347.7	252.6	158.0	80.6
-32.5°	1154.2	1016.0	880.7	758.9	646.8	531.4	417.4	321.4	228.6	141.2	71.6
-35°	1072.0	941.7	813.9	708.1	598.8	488.4	381.4	293.5	203.0	123.2	63.7
-37.5°	986.0	864.6	756.0	653.8	548.0	442.8	348.6	263.4	175.8	104.2	55.3
-40°	899.7	790.7	695.3	596.0	495.5	394.9	314.0	231.3	151.4	84.0	46.5
-42.5°	811.8	722.9	630.8	535.7	440.9	354.9	277.7	197.7	127.5	70.0	37.2
-45°	736.8	651.9	563.3	474.2	386.1	313.6	239.0	163.7	102.6	58.8	30.3
-47.5°	658.9	577.2	494.4	410.6	339.4	270.3	198.8	134.8	76.9	47.2	27.3
-50°	577.2	501.1	423.9	355.1	291.2	224.8	159.3	104.8	63.3	35.2	24.2
-52.5°	494.4	423.9	360.3	301.6	240.6	177.9	125.2	75.5	49.3	28.9	21.0
-55°	410.6	355.1	301.6	245.9	188.4	137.6	90.2	59.4	34.8	25.1	17.9
-57.5°	339.4	291.2	240.6	188.4	141.7	98.4	65.6	42.9	28.1	21.3	16.2
-60°	270.3	224.8	177.9	137.6	98.4	67.6	47.0	29.9	23.6	17.7	14.5
-62.5°	198.8	159.3	125.2	90.2	65.6	47.0	30.5	24.8	19.1	15.7	12.7
-65°	134.8	104.8	75.5	59.4	42.9	29.9	24.8	19.6	16.2	13.6	11.0
-67.5°	76.9	63.3	49.3	34.8	28.1	23.6	19.1	16.2	13.9	11.5	9.7
-70°	47.2	35.2	28.9	25.1	21.3	17.7	15.7	13.6	11.5	9.9	8.4
-72.5°	27.3	24.2	21.0	17.9	16.2	14.5	12.7	11.0	9.7	8.4	7.1
-75°	18.5	17.0	15.6	14.2	12.7	11.3	10.2	9.1	8.0	6.8	6.1
-77.5°	13.8	12.7	11.6	10.7	9.9	9.0	8.1	7.2	6.4	5.8	5.2
-80°	10.0	9.3	8.7	8.0	7.4	6.7	6.2	5.8	5.3	4.8	4.4
-82.5°	6.8	6.5	6.2	5.9	5.6	5.2	4.9	4.6	4.2	3.9	3.4
-85°	4.8	4.6	4.4	4.2	4.0	3.8	3.5	3.2	2.9	2.6	2.3
-87.5°	2.6	2.4	2.3	2.2	2.0	1.9	1.8	1.6	1.5	1.3	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1305889 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-3S-HEG-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	0.8	0.7	0.5	0.3	0.2	0.0
85°	2.0	1.6	1.3	1.0	0.7	0.3	0.0
82.5°	2.9	2.5	2.0	1.5	1.0	0.5	0.0
80°	3.9	3.3	2.6	2.0	1.3	0.7	0.0
77.5°	4.6	4.0	3.3	2.5	1.6	0.8	0.0
75°	5.4	4.6	3.9	2.9	2.0	1.0	0.0
72.5°	6.1	5.2	4.4	3.4	2.3	1.1	0.0
70°	6.8	5.8	4.8	3.9	2.6	1.3	0.0
67.5°	8.0	6.4	5.3	4.2	2.9	1.5	0.0
65°	9.1	7.2	5.8	4.6	3.2	1.6	0.0
62.5°	10.2	8.1	6.2	4.9	3.5	1.8	0.0
60°	11.3	9.0	6.7	5.2	3.8	1.9	0.0
57.5°	12.7	9.9	7.4	5.6	4.0	2.0	0.0
55°	14.2	10.7	8.0	5.9	4.2	2.2	0.0
52.5°	15.6	11.6	8.7	6.2	4.4	2.3	0.0
50°	17.0	12.7	9.3	6.5	4.6	2.4	0.0
47.5°	18.5	13.8	10.0	6.8	4.8	2.6	0.0
45°	21.0	14.9	10.6	7.3	5.0	2.7	0.0
42.5°	23.5	15.9	11.1	7.7	5.2	2.8	0.0
40°	25.8	16.9	11.8	8.1	5.3	2.9	0.0
37.5°	28.0	17.8	12.5	8.5	5.5	3.0	0.0
35°	30.1	19.2	13.2	8.8	5.6	3.1	0.0
32.5°	33.5	20.9	13.9	9.2	5.8	3.2	0.0
30°	39.8	22.4	14.5	9.5	5.9	3.3	0.0
27.5°	45.6	23.8	15.0	9.8	6.0	3.4	0.0
25°	51.0	25.1	15.6	10.1	6.2	3.4	0.0
22.5°	55.9	26.3	16.0	10.3	6.3	3.5	0.0
20°	60.3	27.4	16.5	10.5	6.3	3.6	0.0
17.5°	64.2	28.4	16.8	10.7	6.4	3.6	0.0
15°	67.6	29.2	17.2	10.9	6.5	3.7	0.0
12.5°	70.6	29.9	17.5	11.1	6.6	3.7	0.0
10°	72.9	30.5	17.7	11.2	6.6	3.7	0.0
7.5°	74.8	30.9	17.9	11.3	6.7	3.8	0.0
5°	76.1	31.2	18.0	11.3	6.7	3.8	0.0
2.5°	76.9	31.4	18.1	11.4	6.7	3.8	0.0
0°	77.2	31.5	18.1	11.4	6.7	3.8	0.0
-2.5°	76.9	31.4	18.1	11.4	6.7	3.8	0.0
-5°	76.1	31.2	18.0	11.3	6.7	3.8	0.0
-7.5°	74.8	30.9	17.9	11.3	6.7	3.8	0.0
-10°	72.9	30.5	17.7	11.2	6.6	3.7	0.0
-12.5°	70.6	29.9	17.5	11.1	6.6	3.7	0.0
-15°	67.6	29.2	17.2	10.9	6.5	3.7	0.0
-17.5°	64.2	28.4	16.8	10.7	6.4	3.6	0.0
-20°	60.3	27.4	16.5	10.5	6.3	3.6	0.0



REPORT NUMBER: P1305889 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-320N-40-80-3S-HEG-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	55.9	26.3	16.0	10.3	6.3	3.5	0.0
-25°	51.0	25.1	15.6	10.1	6.2	3.4	0.0
-27.5°	45.6	23.8	15.0	9.8	6.0	3.4	0.0
-30°	39.8	22.4	14.5	9.5	5.9	3.3	0.0
-32.5°	33.5	20.9	13.9	9.2	5.8	3.2	0.0
-35°	30.1	19.2	13.2	8.8	5.6	3.1	0.0
-37.5°	28.0	17.8	12.5	8.5	5.5	3.0	0.0
-40°	25.8	16.9	11.8	8.1	5.3	2.9	0.0
-42.5°	23.5	15.9	11.1	7.7	5.2	2.8	0.0
-45°	21.0	14.9	10.6	7.3	5.0	2.7	0.0
-47.5°	18.5	13.8	10.0	6.8	4.8	2.6	0.0
-50°	17.0	12.7	9.3	6.5	4.6	2.4	0.0
-52.5°	15.6	11.6	8.7	6.2	4.4	2.3	0.0
-55°	14.2	10.7	8.0	5.9	4.2	2.2	0.0
-57.5°	12.7	9.9	7.4	5.6	4.0	2.0	0.0
-60°	11.3	9.0	6.7	5.2	3.8	1.9	0.0
-62.5°	10.2	8.1	6.2	4.9	3.5	1.8	0.0
-65°	9.1	7.2	5.8	4.6	3.2	1.6	0.0
-67.5°	8.0	6.4	5.3	4.2	2.9	1.5	0.0
-70°	6.8	5.8	4.8	3.9	2.6	1.3	0.0
-72.5°	6.1	5.2	4.4	3.4	2.3	1.1	0.0
-75°	5.4	4.6	3.9	2.9	2.0	1.0	0.0
-77.5°	4.6	4.0	3.3	2.5	1.6	0.8	0.0
-80°	3.9	3.3	2.6	2.0	1.3	0.7	0.0
-82.5°	2.9	2.5	2.0	1.5	1.0	0.5	0.0
-85°	2.0	1.6	1.3	1.0	0.7	0.3	0.0
-87.5°	1.0	0.8	0.7	0.5	0.3	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)