

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: P1306313 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680N-40-80-4S-CV1-A**

Issue Date: 2/3/2026

Test Information

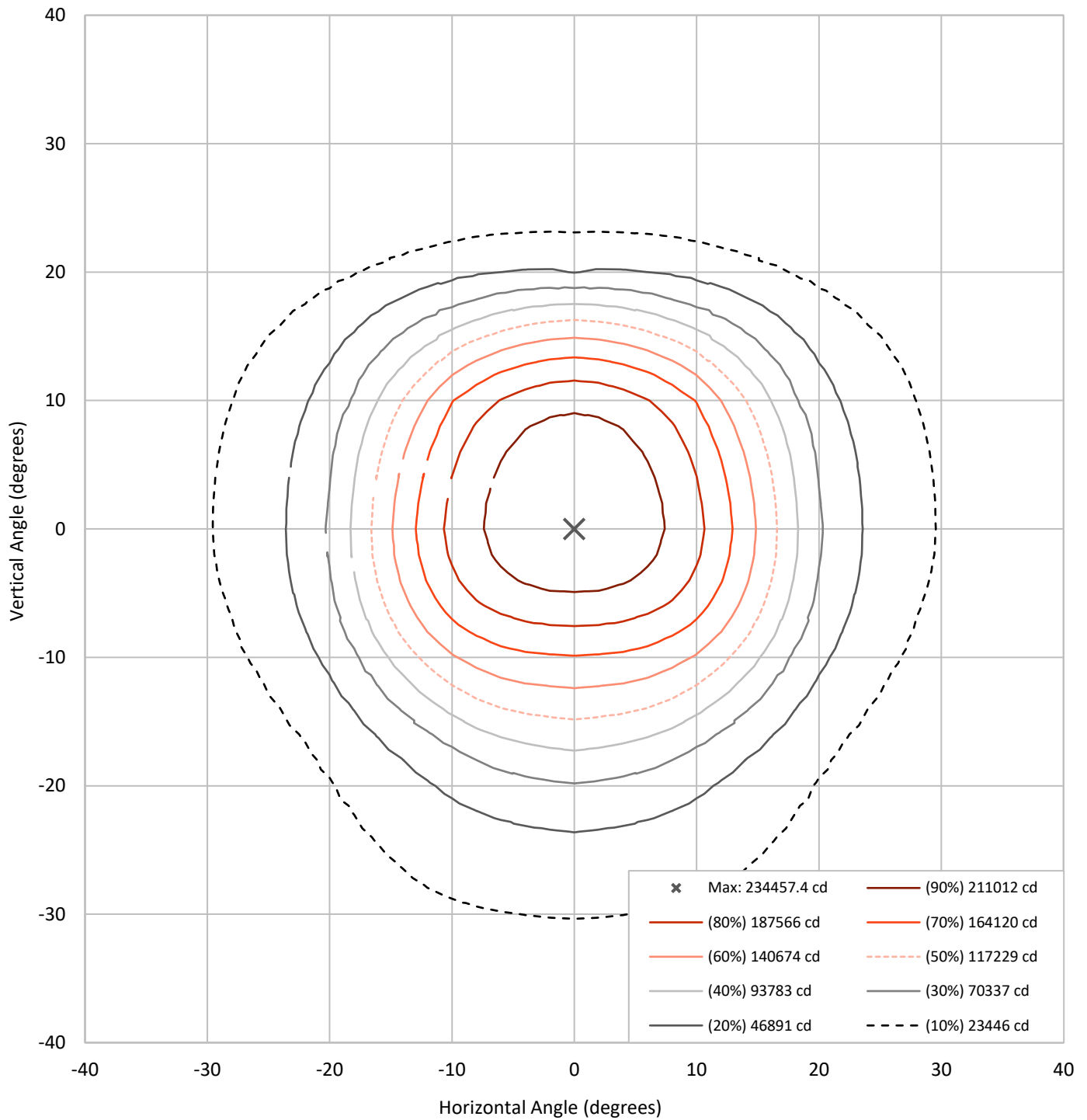
Test Method: LM-79-08
Report Number: P1306313 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2105-240-27)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-680N-40-80-4S-CV1-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 4S BEAM SHAPE WITH 1 LOUVER CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	79884.4 lumens	Max Intensity:	234457.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	116.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	33.1°H x 31.1°V	Field Angle (10%):	59.1°H x 53.4°V
Beam Lumens:	43660 lumens	Field Lumens:	70350.4 lumens
Beam Efficiency:	54.7%	Field Efficiency:	88.1%
Input Watts (W):	688		
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: P1306313 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-680N-40-80-4S-CV1-A

Iso-Candela Plot





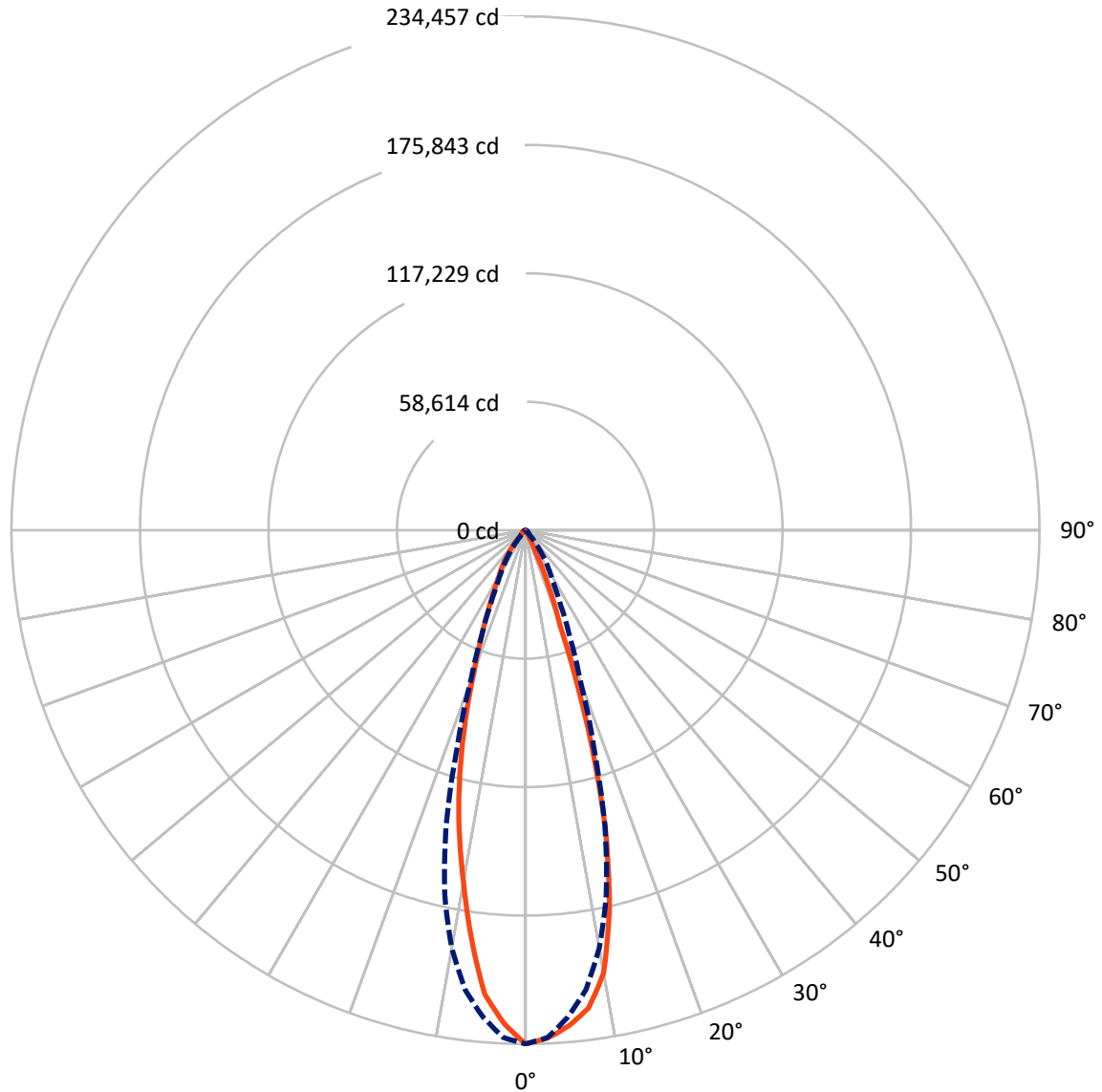
REPORT NUMBER: P1306313 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-4S-CV1-A

Lumen Table

90	0.1	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.1								
80	0.1	0.2	0.4	0.4	0.4	0.4	0.4	0.4	0.2	0.1								
70	0.1	0.1	0.1	0.4	0.6	0.4	0.3	0.3	0.3	0.3	0.4	0.6	0.4	0.1	0.1	0.1		
60		0.1	0.3	0.8	0.8	0.3	0.3	0.3	0.3	0.3	0.3	0.8	0.8	0.3	0.1			
50	0.1	0.1	0.4	0.6	0.6	0.8	0.9	0.9	0.9	0.9	0.8	0.6	0.6	0.4	0.1	0.1		
40		0.2	0.9	2.4	4.3	7.5	11.4	14.1	14.1	11.4	7.5	4.3	2.4	0.9	0.2			
30	0.1	0.4	3.9	12.0	47.4	148.1	296.5	481.4	481.4	296.5	148.1	47.4	12.0	3.9	0.4	0.1		
20		1.2	8.9	29.0	196.0	669.3	1997.6	3724.3	3724.3	1997.6	669.3	196.0	29.0	8.9	1.2			
10	0.2	2.0	12.2	41.4	305.3	1087.6	3729.4	6387.6	6387.6	3729.4	1087.6	305.3	41.4	12.2	2.0	0.2		
0		2.5	13.0	42.5	301.4	1049.1	3609.7	5945.8	5945.8	3609.7	1049.1	301.4	42.5	13.0	2.5			
-10	0.5	3.0	12.5	32.8	179.2	592.7	1821.6	3247.1	3247.1	1821.6	592.7	179.2	32.8	12.5	3.0	0.5		
-20		3.1	12.0	25.3	84.4	321.4	740.2	1180.9	1180.9	740.2	321.4	84.4	25.3	12.0	3.1			
-30	0.4	2.5	10.7	21.6	41.6	119.4	298.9	454.1	454.1	298.9	119.4	41.6	21.6	10.7	2.5	0.4		
-40		1.6	7.8	18.5	31.1	47.5	72.3	98.1	98.1	72.3	47.5	31.1	18.5	7.8	1.6			
-50	0.2	0.8	4.0	12.0	23.4	33.7	43.3	49.6	49.6	43.3	33.7	23.4	12.0	4.0	0.8	0.2		
-60		0.3	1.4	4.3	9.4	15.7	22.1	25.6	25.6	22.1	15.7	9.4	4.3	1.4	0.3			
-70	0.1	0.7	3.0	7.5	10.0	7.5	3.0	0.7	0.1							0.1		
-80		0.7	3.0	7.5	10.0	7.5	3.0	0.7	0.1									
-90	0.1	0.7	3.0	7.5	10.0	7.5	3.0	0.7	0.1									

REPORT NUMBER: P1306313 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-680N-40-80-4S-CV1-A

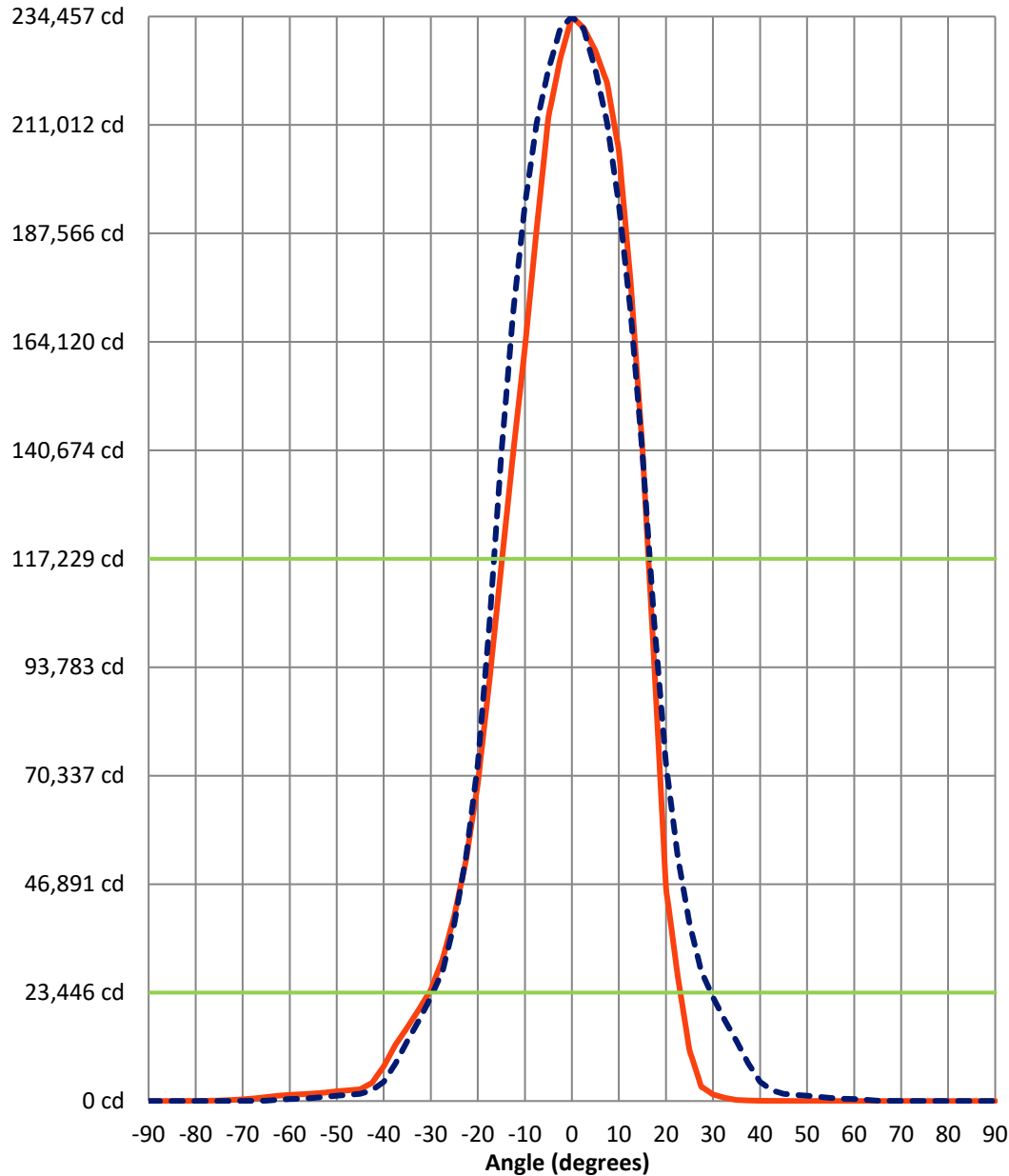
Luminous Intensity Polar Plot



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

REPORT NUMBER: P1306313 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-4S-CV1-A

Luminous Intensity Plot



Beam:
 H Angle: 33.1°
 V Angle: 31.1°
 Lumens: 43660
 Efficiency: 54.7%

Field:
 H Angle: 59.1°
 V Angle: 53.4°
 Lumens: 70350.4
 Efficiency: 88.1%

Spill:
 Lumens: 9534
 Efficiency: 11.9%

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



REPORT NUMBER: P1306313 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-4S-CV1-A

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
87.5°	4.0	3.0	2.2	2.2	2.2	2.1	2.0	2.0	2.0	2.0	2.0
85°	4.0	3.1	2.4	2.4	2.3	2.2	2.0	2.0	2.0	2.0	2.0
82.5°	4.0	3.1	2.5	2.6	2.5	2.3	2.0	2.0	2.0	2.1	2.0
80°	4.0	3.2	2.7	2.8	2.7	2.5	2.1	2.3	2.4	2.3	2.0
77.5°	4.0	3.2	2.9	3.0	2.9	2.7	2.6	2.8	2.8	2.5	2.3
75°	4.0	3.3	3.1	3.2	3.1	3.0	3.1	3.3	3.2	3.0	3.1
72.5°	4.0	3.3	3.2	3.4	3.3	3.3	3.6	3.7	3.5	3.5	3.9
70°	4.0	3.4	3.4	3.6	3.4	3.6	4.0	3.8	3.8	4.0	4.0
67.5°	4.0	3.4	3.6	3.7	3.6	3.9	4.0	3.9	4.0	4.0	4.0
65°	4.0	3.5	3.7	3.7	3.7	4.0	4.0	4.0	4.0	4.0	4.0
62.5°	4.0	3.5	3.9	3.8	3.9	4.0	4.0	4.0	4.0	4.0	4.0
60°	4.0	3.6	4.0	3.8	4.0	4.0	4.0	4.0	4.0	4.0	4.0
57.5°	4.0	3.6	4.0	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0
55°	4.0	3.7	4.0	3.9	4.0	4.0	4.0	4.0	4.0	4.0	4.0
52.5°	4.0	3.7	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
50°	4.0	3.7	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	5.3
47.5°	4.0	3.8	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	6.6
45°	4.0	3.8	4.0	4.0	4.0	4.0	4.0	4.0	4.1	5.1	7.9
42.5°	4.0	3.8	4.0	4.0	4.0	4.0	4.0	4.1	4.2	6.3	9.6
40°	4.0	3.8	4.0	4.0	4.0	4.0	4.0	4.2	4.7	7.4	11.3
37.5°	4.0	3.9	4.0	4.0	4.0	4.0	4.0	4.5	5.7	8.7	13.1
35°	4.0	3.9	4.0	4.0	4.0	4.0	4.0	4.7	6.7	10.3	14.6
32.5°	4.0	3.9	4.0	4.0	4.0	4.0	4.1	5.0	7.7	11.8	16.1
30°	4.0	3.9	4.0	4.0	4.0	4.0	4.3	5.4	8.6	13.3	17.8
27.5°	4.0	3.9	4.0	4.0	4.0	4.0	4.5	6.2	9.6	14.7	19.9
25°	4.0	4.0	4.0	4.0	4.0	4.0	4.8	6.9	10.7	16.2	22.2
22.5°	4.0	4.0	4.0	4.0	4.0	4.0	5.0	7.5	11.8	17.9	27.0
20°	4.0	4.0	4.0	4.0	4.0	4.2	5.3	8.1	12.7	19.7	32.2
17.5°	4.0	4.0	4.0	4.0	4.0	4.4	5.7	8.7	13.6	21.6	37.7
15°	4.0	4.0	4.0	4.0	4.0	4.6	6.1	9.4	14.4	23.6	43.3
12.5°	4.0	4.0	4.0	4.0	4.0	4.8	6.5	10.2	15.7	25.5	49.1
10°	4.0	4.0	4.0	4.0	4.0	5.1	6.8	11.1	17.5	28.9	55.1
7.5°	4.0	4.0	4.0	4.0	4.0	5.3	7.2	12.0	19.3	32.5	61.3
5°	4.0	4.0	4.0	4.0	4.0	5.6	7.5	12.8	21.1	36.1	67.1
2.5°	4.0	4.0	4.0	4.0	4.0	5.9	7.8	13.5	22.8	39.4	72.3
0°	4.0	4.0	4.0	4.0	4.0	6.1	8.1	14.2	24.3	42.5	76.9
-2.5°	4.0	4.0	4.0	4.0	4.2	6.8	10.0	18.0	32.7	57.4	99.1
-5°	4.0	4.0	4.0	4.0	4.4	7.4	11.8	21.6	40.7	71.6	120.3
-7.5°	4.0	4.0	4.0	4.0	4.5	7.9	13.5	25.0	48.1	84.8	139.9
-10°	4.0	4.0	4.0	4.0	4.7	8.5	15.1	28.1	54.7	96.7	157.7
-12.5°	4.0	4.0	4.0	4.0	4.8	8.9	16.4	30.8	60.3	107.0	173.4
-15°	4.0	4.0	4.0	4.0	4.9	9.2	17.6	33.1	64.9	114.8	186.2
-17.5°	4.0	4.0	4.0	4.0	5.0	9.5	18.5	35.2	68.4	120.7	195.8
-20°	4.0	4.0	4.0	4.0	5.1	9.6	19.2	37.1	70.6	124.5	201.6



REPORT NUMBER: P1306313 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-4S-CV1-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	4.0	4.0	4.0	4.0	5.1	9.6	19.9	38.4	71.3	125.8	203.4
-25°	4.0	4.0	4.0	4.0	5.1	9.7	20.3	38.9	70.6	124.6	200.9
-27.5°	4.0	4.0	4.0	4.0	5.1	9.7	20.2	38.7	68.2	121.9	199.1
-30°	4.0	4.0	4.0	4.0	5.0	9.5	19.6	37.7	66.7	119.0	194.0
-32.5°	4.0	4.0	4.0	4.0	5.1	9.2	18.6	36.8	65.4	113.8	185.2
-35°	4.0	4.0	4.0	4.0	5.1	8.6	17.9	35.6	62.9	106.4	172.8
-37.5°	4.0	4.0	4.0	4.0	5.1	8.2	17.2	33.7	59.4	96.7	157.5
-40°	4.0	4.0	4.0	4.0	5.0	8.1	16.2	31.1	54.6	89.7	142.1
-42.5°	4.0	4.0	4.0	4.0	5.1	8.0	14.9	27.8	50.3	81.8	124.3
-45°	4.0	4.0	4.0	4.1	5.1	7.9	13.3	24.7	45.7	72.8	105.8
-47.5°	4.0	4.0	4.0	4.1	5.2	7.7	11.4	22.5	40.2	62.9	94.6
-50°	4.0	4.0	4.0	4.1	5.2	7.4	10.9	19.8	33.2	54.8	82.3
-52.5°	4.0	4.0	4.0	4.2	5.1	7.1	10.5	16.8	28.1	45.7	69.2
-55°	4.0	4.0	4.0	4.2	5.0	6.9	10.0	13.7	23.8	35.8	57.6
-57.5°	4.0	4.0	4.0	4.2	4.9	6.7	9.4	13.0	19.4	29.5	45.0
-60°	4.0	4.0	4.0	4.2	4.8	6.4	8.8	12.1	15.4	24.1	33.9
-62.5°	4.0	4.0	4.0	4.1	4.7	6.0	8.3	11.2	14.2	18.5	27.6
-65°	4.0	4.0	4.0	4.1	4.6	5.6	7.6	10.2	13.0	16.1	21.0
-67.5°	4.0	4.0	4.0	4.1	4.5	5.2	6.8	9.2	11.6	14.5	17.6
-70°	4.0	4.0	4.0	4.0	4.3	5.0	6.0	8.2	10.4	12.7	15.5
-72.5°	4.0	4.0	4.0	4.0	4.2	4.7	5.5	7.1	9.2	11.3	13.5
-75°	4.0	4.0	4.0	4.0	4.0	4.4	5.1	6.3	8.0	9.9	11.9
-77.5°	4.0	4.0	4.0	4.0	4.0	4.1	4.6	5.7	7.0	8.6	10.3
-80°	4.0	4.0	4.0	4.0	4.0	4.0	4.1	5.0	6.1	7.3	8.7
-82.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.4	5.1	6.0	7.1
-85°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.3	4.7	5.2	5.8
-87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.2	4.4	4.6	4.9
-90°	4.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



REPORT NUMBER: P1306313 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-4S-CV1-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.2	2.4	2.6	2.8
80°	2.0	2.0	2.1	2.0	2.2	2.5	3.0	3.6	3.9	4.0	4.0
77.5°	2.5	2.5	2.4	2.1	2.4	2.9	3.4	3.9	4.0	4.0	4.0
75°	3.2	3.1	2.7	2.2	2.3	2.8	3.3	3.8	4.0	4.0	4.0
72.5°	3.7	3.2	2.7	2.3	2.6	3.3	3.8	4.0	4.9	6.2	6.9
70°	3.8	3.3	3.1	3.2	3.6	4.4	6.2	8.4	10.6	11.4	12.2
67.5°	3.9	3.6	3.7	4.2	5.6	7.6	10.2	13.3	16.5	17.6	18.8
65°	4.0	3.9	4.5	5.9	7.9	11.0	14.5	18.2	23.7	26.5	27.8
62.5°	4.0	4.3	5.4	7.6	10.9	14.6	19.2	25.2	32.6	37.3	37.1
60°	4.0	4.5	6.7	10.1	13.9	18.2	24.2	32.5	42.9	50.3	45.3
57.5°	4.0	5.4	8.7	12.4	16.5	21.3	29.6	39.9	49.4	59.4	50.9
55°	4.6	6.9	10.5	14.4	19.2	25.0	33.1	41.3	51.7	55.5	46.4
52.5°	6.2	8.5	12.0	16.6	22.4	27.1	31.5	38.8	42.7	44.5	38.2
50°	7.7	10.2	13.4	19.1	24.1	26.7	27.3	31.9	33.7	32.1	29.1
47.5°	9.4	12.1	15.4	20.9	24.4	25.5	24.6	25.5	25.3	25.0	21.0
45°	11.2	14.2	17.8	21.6	24.1	23.9	23.4	20.5	23.3	22.5	20.7
42.5°	13.1	16.4	19.9	22.5	23.1	24.4	24.1	25.0	25.1	26.3	28.3
40°	14.8	18.3	22.3	24.2	23.5	27.3	32.7	35.5	31.9	38.4	44.1
37.5°	16.4	20.8	26.1	30.2	27.8	36.1	44.9	59.2	61.2	56.9	72.6
35°	17.7	23.6	34.6	44.2	46.6	50.4	75.4	98.1	112.1	103.9	115.9
32.5°	19.8	26.8	46.2	67.2	83.8	88.4	114.7	162.4	190.1	194.9	187.0
30°	23.3	37.6	63.7	96.2	133.3	166.7	189.7	244.2	289.6	339.2	368.6
27.5°	28.5	51.7	91.5	142.0	198.0	260.4	312.2	354.1	437.3	521.6	594.1
25°	34.6	80.4	123.4	199.3	288.3	374.3	446.4	510.8	620.3	751.9	972.1
22.5°	49.6	117.2	176.6	263.6	388.7	497.6	594.8	694.9	828.6	1005.9	1466.5
20°	76.4	163.1	237.3	330.0	492.3	626.1	749.5	875.4	1042.8	1414.2	2424.8
17.5°	107.3	211.0	295.7	403.0	569.5	739.7	909.0	1047.6	1250.5	1798.6	3479.9
15°	141.3	260.3	348.4	469.9	642.6	827.9	1017.0	1215.5	1524.8	2310.8	4481.3
12.5°	177.2	310.2	396.0	530.6	711.3	911.7	1103.6	1318.6	1772.4	3087.9	5755.5
10°	213.8	359.8	438.9	585.1	775.1	990.4	1181.0	1405.4	1966.4	3585.3	6645.3
7.5°	237.2	395.0	473.9	633.7	833.3	1063.0	1249.4	1477.0	2130.8	3901.0	7267.3
5°	254.8	413.0	485.4	655.5	871.6	1115.9	1302.3	1534.4	2263.2	4055.4	7697.1
2.5°	268.3	427.2	494.8	668.6	895.0	1140.6	1318.1	1556.0	2318.1	4148.7	7994.9
0°	277.4	437.4	502.2	676.3	911.2	1156.2	1326.3	1567.3	2326.6	4175.3	8140.1
-2.5°	292.6	445.4	517.3	690.0	919.8	1161.1	1333.1	1576.1	2360.6	4300.2	8362.0
-5°	303.7	450.1	530.2	698.4	921.0	1157.6	1333.1	1574.0	2340.9	4256.8	8082.0
-7.5°	311.3	452.1	540.3	701.2	908.8	1132.2	1306.0	1529.1	2218.1	3983.1	7321.9
-10°	316.8	458.7	553.1	696.9	881.9	1091.0	1267.7	1474.6	2059.9	3598.4	6441.2
-12.5°	325.3	469.4	565.6	690.7	853.8	1043.7	1223.2	1411.4	1868.1	3103.0	5445.6
-15°	329.6	478.3	577.2	683.4	826.1	991.2	1172.8	1340.1	1653.1	2505.3	4340.3
-17.5°	329.7	485.7	588.2	676.0	800.6	934.2	1122.4	1288.4	1501.5	2137.7	3569.9
-20°	325.5	491.9	598.8	669.4	779.4	898.8	1081.2	1251.9	1439.6	1862.5	2805.5



REPORT NUMBER: P1306313 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-4S-CV1-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	317.1	497.2	605.7	674.7	771.7	884.1	1034.2	1208.2	1375.2	1568.5	2222.0
-25°	311.6	483.9	606.6	680.1	763.5	868.5	983.4	1156.9	1315.1	1501.2	1914.6
-27.5°	308.0	465.6	595.5	681.4	753.4	853.2	954.1	1096.5	1269.1	1442.1	1631.0
-30°	298.4	432.3	580.1	675.1	749.3	839.1	934.3	1041.5	1216.2	1383.9	1558.0
-32.5°	279.4	397.4	545.9	654.8	742.6	823.6	914.1	1010.7	1148.8	1321.8	1481.7
-35°	257.5	370.3	503.8	629.3	729.5	808.2	890.9	982.1	1083.9	1241.0	1418.8
-37.5°	237.0	338.9	460.5	591.7	696.8	792.2	864.3	950.8	1045.3	1153.6	1331.2
-40°	212.8	303.1	419.8	543.4	661.2	765.9	847.1	916.4	1003.7	1114.0	1224.1
-42.5°	185.8	272.1	376.0	493.7	610.4	721.9	827.1	894.7	971.9	1074.7	1180.1
-45°	163.6	237.0	329.1	438.1	550.4	666.8	773.6	879.3	953.2	1035.6	1135.7
-47.5°	138.7	200.8	285.1	378.0	485.1	595.6	710.1	819.8	932.7	1011.7	1090.2
-50°	114.8	170.0	236.3	321.8	415.1	519.3	627.0	747.5	861.1	971.1	1062.2
-52.5°	99.7	136.3	195.8	264.8	347.8	438.4	541.2	652.5	769.7	886.6	986.6
-55°	83.4	114.2	155.2	214.2	282.0	361.6	449.9	551.9	658.1	770.0	876.0
-57.5°	67.8	94.4	124.8	166.0	223.5	286.1	362.8	446.8	542.2	641.2	729.7
-60°	52.0	74.6	100.7	130.6	167.1	220.8	275.8	345.2	424.6	504.6	581.8
-62.5°	36.9	55.4	77.2	101.8	130.5	159.7	203.6	254.3	306.9	371.8	435.9
-65°	29.5	38.3	54.4	75.0	96.9	122.1	148.2	174.9	217.9	260.8	301.8
-67.5°	21.8	29.5	37.7	48.5	67.2	86.0	106.3	129.5	153.0	174.8	201.0
-70°	18.4	21.3	27.5	35.0	42.3	51.2	67.5	85.0	103.1	120.3	138.5
-72.5°	15.9	18.5	21.1	23.6	29.4	34.9	40.0	44.8	55.1	69.4	83.3
-75°	13.7	15.7	18.0	20.4	22.2	23.9	26.2	30.6	34.9	39.1	43.0
-77.5°	11.5	12.9	14.7	16.8	18.4	19.6	20.9	22.4	24.3	26.4	28.7
-80°	9.5	10.1	11.1	12.4	13.8	15.1	16.2	17.1	18.2	19.6	21.2
-82.5°	7.6	8.1	8.5	9.0	9.8	10.7	11.7	12.8	13.5	14.2	15.0
-85°	5.9	6.1	6.4	6.7	7.1	7.5	8.0	8.6	9.2	9.7	10.2
-87.5°	5.0	5.0	5.1	5.2	5.3	5.3	5.4	5.5	5.9	6.4	6.9
-90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



REPORT NUMBER: P1306313 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-4S-CV1-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	4.0	4.5	5.1	5.6	6.1	6.6	7.1	7.6	8.1	8.1	8.1
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.9	2.8	2.6	2.4	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	4.0	3.7	3.5	3.3	3.3	3.1	2.8	2.4	2.0	2.0	2.0
77.5°	4.0	4.0	4.0	4.0	4.0	3.6	3.1	2.6	2.1	2.0	2.0
75°	4.0	4.1	4.4	4.4	4.1	3.8	3.7	3.6	3.6	3.4	3.0
72.5°	7.2	7.1	6.8	6.8	6.5	6.5	6.5	6.3	5.8	5.7	5.8
70°	12.9	13.3	13.3	12.8	11.6	10.4	9.6	8.7	7.9	7.4	7.1
67.5°	20.0	20.1	19.0	17.2	14.3	11.8	10.7	9.6	8.6	8.3	8.7
65°	27.7	25.2	22.1	18.8	15.3	11.9	11.1	10.4	9.8	9.8	10.6
62.5°	34.1	27.6	22.2	18.3	15.0	11.9	11.0	10.1	9.3	8.7	8.6
60°	37.8	27.8	20.0	16.5	13.4	10.5	9.3	8.7	8.3	8.1	8.1
57.5°	37.8	26.2	17.4	14.2	11.5	9.0	8.1	8.1	8.1	8.1	8.1
55°	33.6	22.9	14.9	12.3	10.4	8.9	8.2	8.4	8.4	8.1	8.5
52.5°	26.4	18.9	13.8	11.4	10.6	10.2	9.9	9.8	9.6	9.4	9.7
50°	20.9	15.7	13.3	11.9	11.9	11.9	11.9	12.1	12.4	12.6	12.7
47.5°	17.5	14.7	15.0	13.9	14.4	15.6	15.9	16.1	16.7	16.8	16.4
45°	18.0	20.8	21.5	21.2	20.9	23.8	23.6	21.7	24.2	25.0	24.4
42.5°	29.7	32.2	33.9	35.5	37.2	39.4	40.7	40.0	42.3	42.3	39.6
40°	50.3	48.0	51.8	56.4	60.5	62.0	65.8	69.8	71.3	70.5	67.8
37.5°	82.5	78.9	79.2	89.6	99.0	87.8	104.3	110.9	106.8	121.5	124.4
35°	137.0	151.6	130.6	167.5	185.9	176.9	196.6	235.6	205.4	260.7	274.2
32.5°	243.7	278.5	300.3	331.5	377.4	437.7	452.9	549.0	579.8	624.4	672.4
30°	398.2	496.6	677.7	711.5	755.2	963.1	1020.2	1072.5	1181.9	1266.2	1409.6
27.5°	723.6	988.8	1367.6	1701.1	1676.7	2028.3	2419.7	1981.5	2631.6	2370.8	2994.5
25°	1355.1	1939.8	2853.1	3736.8	4158.5	4875.1	5771.3	5601.6	6784.0	6866.1	8610.1
22.5°	2577.3	3847.7	5244.2	6746.4	8203.8	9816.5	11366.3	12990.9	15433.5	18808.4	22088.4
20°	4216.8	6084.6	8340.1	10666.2	13132.8	15641.0	18555.0	23489.9	28549.6	35573.0	40534.8
17.5°	5993.3	8966.1	11734.9	14616.8	18065.2	22234.3	28262.2	36694.3	46921.9	57420.8	65542.7
15°	7545.2	10908.1	14899.2	18741.3	23029.2	29287.4	38754.7	51244.3	66454.1	82414.6	101714.6
12.5°	9046.7	12559.4	16896.6	21756.3	27583.3	36540.5	48812.4	65690.8	85840.1	109823.9	134612.5
10°	10211.9	14066.3	18893.5	24366.3	31478.3	42479.6	56740.5	76667.7	106525.9	134838.5	163145.5
7.5°	11122.5	15458.4	20571.7	26315.5	34596.6	46984.1	64046.0	89130.7	120678.3	151311.8	177384.5
5°	11931.8	16603.1	21708.6	27414.1	36841.4	50261.5	68634.7	97282.6	130948.1	161054.8	185865.3
2.5°	12569.3	17351.6	22333.2	27964.4	38286.4	52070.7	71054.7	101657.3	137567.8	167291.0	190981.7
0°	12955.3	17485.0	22437.9	28081.3	38396.2	52890.5	72943.1	103571.7	139928.9	170342.9	193643.5
-2.5°	12817.0	17186.1	22098.4	27737.9	38034.1	52122.2	71424.1	102601.7	137928.1	166383.2	189817.5
-5°	12128.0	16208.0	20769.5	26075.5	35631.7	49203.7	67118.4	95548.9	128754.2	157161.0	179212.8
-7.5°	11041.8	14841.1	19028.9	23941.0	32204.8	44469.0	60794.0	84988.1	115132.0	141342.9	161243.4
-10°	9826.6	13256.3	16884.7	21235.5	27695.1	38105.2	51737.7	70211.7	96064.4	119631.1	138447.2
-12.5°	8365.9	11219.3	14269.4	18021.5	22917.3	31404.2	42865.9	57851.9	75827.3	96798.5	113928.7
-15°	6847.8	9246.7	11771.3	15290.7	19466.3	24872.4	33111.1	45025.0	58367.8	72691.3	88233.9
-17.5°	5498.9	7530.0	10206.8	13171.1	16353.6	20115.6	26927.6	35046.9	44703.1	54919.7	64300.0
-20°	4417.3	6571.4	8976.2	11554.0	14478.2	18095.7	22280.4	28449.0	35609.8	43452.6	50966.9



REPORT NUMBER: P1306313 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-4S-CV1-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3633.8	5565.6	7798.6	10216.7	13175.0	16431.6	19820.7	23692.0	28830.8	34860.5	40633.2
-25°	2767.6	4382.0	6548.1	8986.8	11712.1	14584.0	17334.9	20490.7	24247.5	28170.7	32212.9
-27.5°	2193.8	3333.3	5112.0	7402.1	9923.7	12172.2	14529.2	17156.9	20442.2	23855.6	26104.6
-30°	1790.5	2457.7	3792.9	5582.2	7689.6	9674.0	11609.1	13970.8	16549.8	18999.5	20987.8
-32.5°	1672.6	1971.1	2662.0	3937.2	5520.1	7291.2	9028.5	11136.6	13138.2	15076.9	16786.3
-35°	1589.5	1780.3	2040.9	2706.1	3659.6	5098.9	6686.2	8470.1	10276.7	11842.8	13292.6
-37.5°	1511.9	1677.5	1850.0	2021.7	2558.4	3217.2	4335.0	5746.1	7116.5	8383.8	9631.8
-40°	1401.3	1582.8	1722.1	1868.9	2028.5	2209.9	2794.9	3371.4	4042.3	5014.2	5865.6
-42.5°	1283.9	1435.2	1593.9	1731.3	1864.8	2004.2	2151.6	2298.2	2604.8	2986.2	3298.5
-45°	1234.8	1325.8	1434.9	1578.4	1712.5	1837.8	1957.7	2073.8	2196.4	2308.2	2399.6
-47.5°	1176.2	1259.0	1347.2	1440.7	1539.2	1660.1	1778.8	1896.9	2004.2	2103.8	2183.3
-50°	1122.0	1187.0	1265.9	1345.4	1424.2	1505.3	1587.1	1678.3	1780.8	1881.7	1964.6
-52.5°	1077.7	1137.2	1193.7	1250.1	1318.5	1387.3	1456.1	1528.7	1598.6	1664.8	1716.4
-55°	970.0	1053.9	1136.5	1189.7	1235.9	1282.7	1334.8	1399.8	1461.8	1520.6	1555.1
-57.5°	823.5	920.6	1009.8	1072.7	1137.1	1202.3	1256.0	1302.5	1349.4	1394.2	1418.7
-60°	660.5	740.3	821.1	896.1	967.6	1035.2	1097.9	1158.9	1215.4	1263.0	1291.8
-62.5°	499.2	565.5	631.1	693.7	754.0	812.7	879.5	943.9	1005.2	1055.2	1086.0
-65°	347.5	401.8	452.7	501.5	548.2	598.2	650.2	700.7	749.2	787.6	812.9
-67.5°	236.3	269.8	300.1	329.2	364.7	403.2	441.3	476.7	509.2	534.2	551.9
-70°	157.0	174.9	190.9	209.7	232.9	256.3	279.9	301.8	321.8	336.7	347.9
-72.5°	96.6	109.0	120.5	133.1	145.0	157.3	170.1	182.7	194.8	203.6	210.2
-75°	46.5	52.2	62.4	71.7	80.1	87.9	95.0	101.3	106.6	110.1	112.3
-77.5°	31.7	34.3	36.8	39.4	41.9	45.1	48.3	51.4	54.3	56.6	58.6
-80°	22.9	24.2	25.4	26.4	27.3	28.7	30.1	31.5	32.9	33.5	33.8
-82.5°	15.8	16.9	17.9	19.0	20.0	20.9	21.8	22.6	23.4	24.2	24.9
-85°	10.6	11.2	11.8	12.4	13.0	13.8	14.4	15.1	15.8	15.9	16.0
-87.5°	7.4	7.5	7.7	7.8	7.9	8.4	9.0	9.5	10.0	10.1	10.1
-90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.5	1.0



REPORT NUMBER: P1306313 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-4S-CV1-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	7.6
87.5°	2.0	2.0	1.0	0.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.4
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.6
75°	2.5	2.0	2.0	2.0	2.0	2.0	2.5	3.0	3.4	3.6	3.6
72.5°	5.9	6.0	5.1	4.0	5.1	6.0	5.9	5.8	5.7	5.8	6.3
70°	6.7	6.2	6.1	6.1	6.1	6.2	6.7	7.1	7.4	7.9	8.7
67.5°	9.3	9.9	10.1	10.1	10.1	9.9	9.3	8.7	8.3	8.6	9.6
65°	11.3	11.9	11.2	10.1	11.2	11.9	11.3	10.6	9.8	9.8	10.4
62.5°	8.4	8.3	8.1	8.1	8.1	8.3	8.4	8.6	8.7	9.3	10.1
60°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.3	8.7
57.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1
55°	9.1	9.8	10.1	10.1	10.1	9.8	9.1	8.5	8.1	8.4	8.4
52.5°	10.0	10.1	10.1	10.1	10.1	10.1	10.0	9.7	9.4	9.6	9.8
50°	12.6	12.2	12.1	12.1	12.1	12.2	12.6	12.7	12.6	12.4	12.1
47.5°	15.7	14.7	14.2	14.2	14.2	14.7	15.7	16.4	16.8	16.7	16.1
45°	24.5	24.2	24.1	24.3	24.1	24.2	24.5	24.4	25.0	24.2	21.7
42.5°	41.1	41.7	41.0	38.5	41.0	41.7	41.1	39.6	42.3	42.3	40.0
40°	67.9	65.3	61.8	60.7	61.8	65.3	67.9	67.8	70.5	71.3	69.8
37.5°	126.0	125.9	123.0	121.5	123.0	125.9	126.0	124.4	121.5	106.8	110.9
35°	265.1	262.9	248.5	234.9	248.5	262.9	265.1	274.2	260.7	205.4	235.6
32.5°	688.6	725.1	721.7	700.6	721.7	725.1	688.6	672.4	624.4	579.8	549.0
30°	1464.8	1530.2	1516.4	1429.6	1516.4	1530.2	1464.8	1409.6	1266.2	1181.9	1072.5
27.5°	3027.6	3180.6	3315.5	3138.6	3315.5	3180.6	3027.6	2994.5	2370.8	2631.6	1981.5
25°	10356.2	11352.1	11941.3	11025.6	11941.3	11352.1	10356.2	8610.1	6866.1	6784.0	5601.6
22.5°	24716.1	25957.2	26619.5	26998.0	26619.5	25957.2	24716.1	22088.4	18808.4	15433.5	12990.9
20°	45337.7	47991.6	49691.6	46267.0	49691.6	47991.6	45337.7	40534.8	35573.0	28549.6	23489.9
17.5°	76809.8	86597.7	91751.0	94550.8	91751.0	86597.7	76809.8	65542.7	57420.8	46921.9	36694.3
15°	116609.5	129132.9	137589.8	140900.8	137589.8	129132.9	116609.5	101714.6	82414.6	66454.1	51244.3
12.5°	154240.4	167162.7	174965.5	176926.9	174965.5	167162.7	154240.4	134612.5	109823.9	85840.1	65690.8
10°	181006.1	193181.9	202157.9	205308.9	202157.9	193181.9	181006.1	163145.5	134838.5	106525.9	76667.7
7.5°	195906.7	210139.4	218050.5	220019.9	218050.5	210139.4	195906.7	177384.5	151311.8	120678.3	89130.7
5°	204482.4	217341.8	225989.6	227038.1	225989.6	217341.8	204482.4	185865.3	161054.8	130948.1	97282.6
2.5°	210011.7	222587.9	229863.8	232002.2	229863.8	222587.9	210011.7	190981.7	167291.0	137567.8	101657.3
0°	211368.5	222931.6	231721.7	234457.4	231721.7	222931.6	211368.5	193643.5	170342.9	139928.9	103571.7
-2.5°	207260.3	218415.2	224270.4	225219.8	224270.4	218415.2	207260.3	189817.5	166383.2	137928.1	102601.7
-5°	196769.1	205019.0	211778.5	212643.1	211778.5	205019.0	196769.1	179212.8	157161.0	128754.2	95548.9
-7.5°	174484.2	183738.7	187477.3	188489.1	187477.3	183738.7	174484.2	161243.4	141342.9	115132.0	84988.1
-10°	150773.5	158701.7	161350.2	162779.9	161350.2	158701.7	150773.5	138447.2	119631.1	96064.4	70211.7
-12.5°	127560.5	135313.1	137918.1	139987.6	137918.1	135313.1	127560.5	113928.7	96798.5	75827.3	57851.9
-15°	101552.3	109186.6	113395.3	115725.2	113395.3	109186.6	101552.3	88233.9	72691.3	58367.8	45025.0
-17.5°	76204.6	83454.8	88353.4	91203.6	88353.4	83454.8	76204.6	64300.0	54919.7	44703.1	35046.9
-20°	57781.2	62688.1	66457.8	68694.8	66457.8	62688.1	57781.2	50966.9	43452.6	35609.8	28449.0



REPORT NUMBER: P1306313 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-4S-CV1-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	45135.7	48534.3	50718.1	52147.3	50718.1	48534.3	45135.7	40633.2	34860.5	28830.8	23692.0
-25°	35276.2	37506.7	38919.0	40074.8	38919.0	37506.7	35276.2	32212.9	28170.7	24247.5	20490.7
-27.5°	27931.3	29127.2	29751.4	30600.3	29751.4	29127.2	27931.3	26104.6	23855.6	20442.2	17156.9
-30°	22453.9	23371.6	23867.7	24051.8	23867.7	23371.6	22453.9	20987.8	18999.5	16549.8	13970.8
-32.5°	18071.7	18938.5	19564.6	19858.2	19564.6	18938.5	18071.7	16786.3	15076.9	13138.2	11136.6
-35°	14417.7	15140.9	15634.5	15905.6	15634.5	15140.9	14417.7	13292.6	11842.8	10276.7	8470.1
-37.5°	10665.3	11458.8	12002.1	12187.9	12002.1	11458.8	10665.3	9631.8	8383.8	7116.5	5746.1
-40°	6543.5	7049.1	7375.3	7512.4	7375.3	7049.1	6543.5	5865.6	5014.2	4042.3	3371.4
-42.5°	3541.9	3727.5	3856.3	3930.3	3856.3	3727.5	3541.9	3298.5	2986.2	2604.8	2298.2
-45°	2458.7	2505.7	2535.4	2547.3	2535.4	2505.7	2458.7	2399.6	2308.2	2196.4	2073.8
-47.5°	2241.5	2292.2	2319.2	2320.5	2319.2	2292.2	2241.5	2183.3	2103.8	2004.2	1896.9
-50°	2030.3	2085.5	2113.4	2116.0	2113.4	2085.5	2030.3	1964.6	1881.7	1780.8	1678.3
-52.5°	1763.3	1807.0	1826.1	1824.4	1826.1	1807.0	1763.3	1716.4	1664.8	1598.6	1528.7
-55°	1585.1	1611.2	1622.8	1624.0	1622.8	1611.2	1585.1	1555.1	1520.6	1461.8	1399.8
-57.5°	1440.7	1460.0	1466.7	1466.0	1466.7	1460.0	1440.7	1418.7	1394.2	1349.4	1302.5
-60°	1316.9	1337.9	1343.8	1340.5	1343.8	1337.9	1316.9	1291.8	1263.0	1215.4	1158.9
-62.5°	1111.1	1130.4	1139.9	1142.0	1139.9	1130.4	1111.1	1086.0	1055.2	1005.2	943.9
-65°	832.8	847.3	854.8	856.5	854.8	847.3	832.8	812.9	787.6	749.2	700.7
-67.5°	565.7	575.4	578.5	577.1	578.5	575.4	565.7	551.9	534.2	509.2	476.7
-70°	357.0	363.7	365.5	364.5	365.5	363.7	357.0	347.9	336.7	321.8	301.8
-72.5°	215.6	219.7	220.1	218.7	220.1	219.7	215.6	210.2	203.6	194.8	182.7
-75°	113.7	114.2	114.1	113.4	114.1	114.2	113.7	112.3	110.1	106.6	101.3
-77.5°	60.5	62.2	61.6	60.7	61.6	62.2	60.5	58.6	56.6	54.3	51.4
-80°	34.1	34.3	34.4	34.4	34.4	34.3	34.1	33.8	33.5	32.9	31.5
-82.5°	25.5	26.2	25.3	24.3	25.3	26.2	25.5	24.9	24.2	23.4	22.6
-85°	16.1	16.2	16.2	16.2	16.2	16.2	16.1	16.0	15.9	15.8	15.1
-87.5°	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.0	9.5
-90°	0.5	0.0	0.0	0.0	0.0	0.0	0.5	1.0	1.5	2.0	2.0



REPORT NUMBER: P1306313 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-4S-CV1-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	7.1	6.6	6.1	5.6	5.1	4.5	4.0	4.0	4.0	4.0	4.0
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.4	2.6	2.8	2.9	2.8	2.6	2.4	2.2
80°	2.8	3.1	3.3	3.3	3.5	3.7	4.0	4.0	4.0	3.9	3.6
77.5°	3.1	3.6	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	3.9
75°	3.7	3.8	4.1	4.4	4.4	4.1	4.0	4.0	4.0	4.0	3.8
72.5°	6.5	6.5	6.5	6.8	6.8	7.1	7.2	6.9	6.2	4.9	4.0
70°	9.6	10.4	11.6	12.8	13.3	13.3	12.9	12.2	11.4	10.6	8.4
67.5°	10.7	11.8	14.3	17.2	19.0	20.1	20.0	18.8	17.6	16.5	13.3
65°	11.1	11.9	15.3	18.8	22.1	25.2	27.7	27.8	26.5	23.7	18.2
62.5°	11.0	11.9	15.0	18.3	22.2	27.6	34.1	37.1	37.3	32.6	25.2
60°	9.3	10.5	13.4	16.5	20.0	27.8	37.8	45.3	50.3	42.9	32.5
57.5°	8.1	9.0	11.5	14.2	17.4	26.2	37.8	50.9	59.4	49.4	39.9
55°	8.2	8.9	10.4	12.3	14.9	22.9	33.6	46.4	55.5	51.7	41.3
52.5°	9.9	10.2	10.6	11.4	13.8	18.9	26.4	38.2	44.5	42.7	38.8
50°	11.9	11.9	11.9	11.9	13.3	15.7	20.9	29.1	32.1	33.7	31.9
47.5°	15.9	15.6	14.4	13.9	15.0	14.7	17.5	21.0	25.0	25.3	25.5
45°	23.6	23.8	20.9	21.2	21.5	20.8	18.0	20.7	22.5	23.3	20.5
42.5°	40.7	39.4	37.2	35.5	33.9	32.2	29.7	28.3	26.3	25.1	25.0
40°	65.8	62.0	60.5	56.4	51.8	48.0	50.3	44.1	38.4	31.9	35.5
37.5°	104.3	87.8	99.0	89.6	79.2	78.9	82.5	72.6	56.9	61.2	59.2
35°	196.6	176.9	185.9	167.5	130.6	151.6	137.0	115.9	103.9	112.1	98.1
32.5°	452.9	437.7	377.4	331.5	300.3	278.5	243.7	187.0	194.9	190.1	162.4
30°	1020.2	963.1	755.2	711.5	677.7	496.6	398.2	368.6	339.2	289.6	244.2
27.5°	2419.7	2028.3	1676.7	1701.1	1367.6	988.8	723.6	594.1	521.6	437.3	354.1
25°	5771.3	4875.1	4158.5	3736.8	2853.1	1939.8	1355.1	972.1	751.9	620.3	510.8
22.5°	11366.3	9816.5	8203.8	6746.4	5244.2	3847.7	2577.3	1466.5	1005.9	828.6	694.9
20°	18555.0	15641.0	13132.8	10666.2	8340.1	6084.6	4216.8	2424.8	1414.2	1042.8	875.4
17.5°	28262.2	22234.3	18065.2	14616.8	11734.9	8966.1	5993.3	3479.9	1798.6	1250.5	1047.6
15°	38754.7	29287.4	23029.2	18741.3	14899.2	10908.1	7545.2	4481.3	2310.8	1524.8	1215.5
12.5°	48812.4	36540.5	27583.3	21756.3	16896.6	12559.4	9046.7	5755.5	3087.9	1772.4	1318.6
10°	56740.5	42479.6	31478.3	24366.3	18893.5	14066.3	10211.9	6645.3	3585.3	1966.4	1405.4
7.5°	64046.0	46984.1	34596.6	26315.5	20571.7	15458.4	11122.5	7267.3	3901.0	2130.8	1477.0
5°	68634.7	50261.5	36841.4	27414.1	21708.6	16603.1	11931.8	7697.1	4055.4	2263.2	1534.4
2.5°	71054.7	52070.7	38286.4	27964.4	22333.2	17351.6	12569.3	7994.9	4148.7	2318.1	1556.0
0°	72943.1	52890.5	38396.2	28081.3	22437.9	17485.0	12955.3	8140.1	4175.3	2326.6	1567.3
-2.5°	71424.1	52122.2	38034.1	27737.9	22098.4	17186.1	12817.0	8362.0	4300.2	2360.6	1576.1
-5°	67118.4	49203.7	35631.7	26075.5	20769.5	16208.0	12128.0	8082.0	4256.8	2340.9	1574.0
-7.5°	60794.0	44469.0	32204.8	23941.0	19028.9	14841.1	11041.8	7321.9	3983.1	2218.1	1529.1
-10°	51737.7	38105.2	27695.1	21235.5	16884.7	13256.3	9826.6	6441.2	3598.4	2059.9	1474.6
-12.5°	42865.9	31404.2	22917.3	18021.5	14269.4	11219.3	8365.9	5445.6	3103.0	1868.1	1411.4
-15°	33111.1	24872.4	19466.3	15290.7	11771.3	9246.7	6847.8	4340.3	2505.3	1653.1	1340.1
-17.5°	26927.6	20115.6	16353.6	13171.1	10206.8	7530.0	5498.9	3569.9	2137.7	1501.5	1288.4
-20°	22280.4	18095.7	14478.2	11554.0	8976.2	6571.4	4417.3	2805.5	1862.5	1439.6	1251.9



REPORT NUMBER: P1306313 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-4S-CV1-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	19820.7	16431.6	13175.0	10216.7	7798.6	5565.6	3633.8	2222.0	1568.5	1375.2	1208.2
-25°	17334.9	14584.0	11712.1	8986.8	6548.1	4382.0	2767.6	1914.6	1501.2	1315.1	1156.9
-27.5°	14529.2	12172.2	9923.7	7402.1	5112.0	3333.3	2193.8	1631.0	1442.1	1269.1	1096.5
-30°	11609.1	9674.0	7689.6	5582.2	3792.9	2457.7	1790.5	1558.0	1383.9	1216.2	1041.5
-32.5°	9028.5	7291.2	5520.1	3937.2	2662.0	1971.1	1672.6	1481.7	1321.8	1148.8	1010.7
-35°	6686.2	5098.9	3659.6	2706.1	2040.9	1780.3	1589.5	1418.8	1241.0	1083.9	982.1
-37.5°	4335.0	3217.2	2558.4	2021.7	1850.0	1677.5	1511.9	1331.2	1153.6	1045.3	950.8
-40°	2794.9	2209.9	2028.5	1868.9	1722.1	1582.8	1401.3	1224.1	1114.0	1003.7	916.4
-42.5°	2151.6	2004.2	1864.8	1731.3	1593.9	1435.2	1283.9	1180.1	1074.7	971.9	894.7
-45°	1957.7	1837.8	1712.5	1578.4	1434.9	1325.8	1234.8	1135.7	1035.6	953.2	879.3
-47.5°	1778.8	1660.1	1539.2	1440.7	1347.2	1259.0	1176.2	1090.2	1011.7	932.7	819.8
-50°	1587.1	1505.3	1424.2	1345.4	1265.9	1187.0	1122.0	1062.2	971.1	861.1	747.5
-52.5°	1456.1	1387.3	1318.5	1250.1	1193.7	1137.2	1077.7	986.6	886.6	769.7	652.5
-55°	1334.8	1282.7	1235.9	1189.7	1136.5	1053.9	970.0	876.0	770.0	658.1	551.9
-57.5°	1256.0	1202.3	1137.1	1072.7	1009.8	920.6	823.5	729.7	641.2	542.2	446.8
-60°	1097.9	1035.2	967.6	896.1	821.1	740.3	660.5	581.8	504.6	424.6	345.2
-62.5°	879.5	812.7	754.0	693.7	631.1	565.5	499.2	435.9	371.8	306.9	254.3
-65°	650.2	598.2	548.2	501.5	452.7	401.8	347.5	301.8	260.8	217.9	174.9
-67.5°	441.3	403.2	364.7	329.2	300.1	269.8	236.3	201.0	174.8	153.0	129.5
-70°	279.9	256.3	232.9	209.7	190.9	174.9	157.0	138.5	120.3	103.1	85.0
-72.5°	170.1	157.3	145.0	133.1	120.5	109.0	96.6	83.3	69.4	55.1	44.8
-75°	95.0	87.9	80.1	71.7	62.4	52.2	46.5	43.0	39.1	34.9	30.6
-77.5°	48.3	45.1	41.9	39.4	36.8	34.3	31.7	28.7	26.4	24.3	22.4
-80°	30.1	28.7	27.3	26.4	25.4	24.2	22.9	21.2	19.6	18.2	17.1
-82.5°	21.8	20.9	20.0	19.0	17.9	16.9	15.8	15.0	14.2	13.5	12.8
-85°	14.4	13.8	13.0	12.4	11.8	11.2	10.6	10.2	9.7	9.2	8.6
-87.5°	9.0	8.4	7.9	7.8	7.7	7.5	7.4	6.9	6.4	5.9	5.5
-90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



REPORT NUMBER: P1306313 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-4S-CV1-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
85°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
82.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0
80°	3.0	2.5	2.2	2.0	2.1	2.0	2.0	2.0	2.3	2.4	2.3
77.5°	3.4	2.9	2.4	2.1	2.4	2.5	2.5	2.3	2.5	2.8	2.8
75°	3.3	2.8	2.3	2.2	2.7	3.1	3.2	3.1	3.0	3.2	3.3
72.5°	3.8	3.3	2.6	2.3	2.7	3.2	3.7	3.9	3.5	3.5	3.7
70°	6.2	4.4	3.6	3.2	3.1	3.3	3.8	4.0	4.0	3.8	3.8
67.5°	10.2	7.6	5.6	4.2	3.7	3.6	3.9	4.0	4.0	4.0	3.9
65°	14.5	11.0	7.9	5.9	4.5	3.9	4.0	4.0	4.0	4.0	4.0
62.5°	19.2	14.6	10.9	7.6	5.4	4.3	4.0	4.0	4.0	4.0	4.0
60°	24.2	18.2	13.9	10.1	6.7	4.5	4.0	4.0	4.0	4.0	4.0
57.5°	29.6	21.3	16.5	12.4	8.7	5.4	4.0	4.0	4.0	4.0	4.0
55°	33.1	25.0	19.2	14.4	10.5	6.9	4.6	4.0	4.0	4.0	4.0
52.5°	31.5	27.1	22.4	16.6	12.0	8.5	6.2	4.0	4.0	4.0	4.0
50°	27.3	26.7	24.1	19.1	13.4	10.2	7.7	5.3	4.0	4.0	4.0
47.5°	24.6	25.5	24.4	20.9	15.4	12.1	9.4	6.6	4.0	4.0	4.0
45°	23.4	23.9	24.1	21.6	17.8	14.2	11.2	7.9	5.1	4.1	4.0
42.5°	24.1	24.4	23.1	22.5	19.9	16.4	13.1	9.6	6.3	4.2	4.1
40°	32.7	27.3	23.5	24.2	22.3	18.3	14.8	11.3	7.4	4.7	4.2
37.5°	44.9	36.1	27.8	30.2	26.1	20.8	16.4	13.1	8.7	5.7	4.5
35°	75.4	50.4	46.6	44.2	34.6	23.6	17.7	14.6	10.3	6.7	4.7
32.5°	114.7	88.4	83.8	67.2	46.2	26.8	19.8	16.1	11.8	7.7	5.0
30°	189.7	166.7	133.3	96.2	63.7	37.6	23.3	17.8	13.3	8.6	5.4
27.5°	312.2	260.4	198.0	142.0	91.5	51.7	28.5	19.9	14.7	9.6	6.2
25°	446.4	374.3	288.3	199.3	123.4	80.4	34.6	22.2	16.2	10.7	6.9
22.5°	594.8	497.6	388.7	263.6	176.6	117.2	49.6	27.0	17.9	11.8	7.5
20°	749.5	626.1	492.3	330.0	237.3	163.1	76.4	32.2	19.7	12.7	8.1
17.5°	909.0	739.7	569.5	403.0	295.7	211.0	107.3	37.7	21.6	13.6	8.7
15°	1017.0	827.9	642.6	469.9	348.4	260.3	141.3	43.3	23.6	14.4	9.4
12.5°	1103.6	911.7	711.3	530.6	396.0	310.2	177.2	49.1	25.5	15.7	10.2
10°	1181.0	990.4	775.1	585.1	438.9	359.8	213.8	55.1	28.9	17.5	11.1
7.5°	1249.4	1063.0	833.3	633.7	473.9	395.0	237.2	61.3	32.5	19.3	12.0
5°	1302.3	1115.9	871.6	655.5	485.4	413.0	254.8	67.1	36.1	21.1	12.8
2.5°	1318.1	1140.6	895.0	668.6	494.8	427.2	268.3	72.3	39.4	22.8	13.5
0°	1326.3	1156.2	911.2	676.3	502.2	437.4	277.4	76.9	42.5	24.3	14.2
-2.5°	1333.1	1161.1	919.8	690.0	517.3	445.4	292.6	99.1	57.4	32.7	18.0
-5°	1333.1	1157.6	921.0	698.4	530.2	450.1	303.7	120.3	71.6	40.7	21.6
-7.5°	1306.0	1132.2	908.8	701.2	540.3	452.1	311.3	139.9	84.8	48.1	25.0
-10°	1267.7	1091.0	881.9	696.9	553.1	458.7	316.8	157.7	96.7	54.7	28.1
-12.5°	1223.2	1043.7	853.8	690.7	565.6	469.4	325.3	173.4	107.0	60.3	30.8
-15°	1172.8	991.2	826.1	683.4	577.2	478.3	329.6	186.2	114.8	64.9	33.1
-17.5°	1122.4	934.2	800.6	676.0	588.2	485.7	329.7	195.8	120.7	68.4	35.2
-20°	1081.2	898.8	779.4	669.4	598.8	491.9	325.5	201.6	124.5	70.6	37.1



REPORT NUMBER: P1306313 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-4S-CV1-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1034.2	884.1	771.7	674.7	605.7	497.2	317.1	203.4	125.8	71.3	38.4
-25°	983.4	868.5	763.5	680.1	606.6	483.9	311.6	200.9	124.6	70.6	38.9
-27.5°	954.1	853.2	753.4	681.4	595.5	465.6	308.0	199.1	121.9	68.2	38.7
-30°	934.3	839.1	749.3	675.1	580.1	432.3	298.4	194.0	119.0	66.7	37.7
-32.5°	914.1	823.6	742.6	654.8	545.9	397.4	279.4	185.2	113.8	65.4	36.8
-35°	890.9	808.2	729.5	629.3	503.8	370.3	257.5	172.8	106.4	62.9	35.6
-37.5°	864.3	792.2	696.8	591.7	460.5	338.9	237.0	157.5	96.7	59.4	33.7
-40°	847.1	765.9	661.2	543.4	419.8	303.1	212.8	142.1	89.7	54.6	31.1
-42.5°	827.1	721.9	610.4	493.7	376.0	272.1	185.8	124.3	81.8	50.3	27.8
-45°	773.6	666.8	550.4	438.1	329.1	237.0	163.6	105.8	72.8	45.7	24.7
-47.5°	710.1	595.6	485.1	378.0	285.1	200.8	138.7	94.6	62.9	40.2	22.5
-50°	627.0	519.3	415.1	321.8	236.3	170.0	114.8	82.3	54.8	33.2	19.8
-52.5°	541.2	438.4	347.8	264.8	195.8	136.3	99.7	69.2	45.7	28.1	16.8
-55°	449.9	361.6	282.0	214.2	155.2	114.2	83.4	57.6	35.8	23.8	13.7
-57.5°	362.8	286.1	223.5	166.0	124.8	94.4	67.8	45.0	29.5	19.4	13.0
-60°	275.8	220.8	167.1	130.6	100.7	74.6	52.0	33.9	24.1	15.4	12.1
-62.5°	203.6	159.7	130.5	101.8	77.2	55.4	36.9	27.6	18.5	14.2	11.2
-65°	148.2	122.1	96.9	75.0	54.4	38.3	29.5	21.0	16.1	13.0	10.2
-67.5°	106.3	86.0	67.2	48.5	37.7	29.5	21.8	17.6	14.5	11.6	9.2
-70°	67.5	51.2	42.3	35.0	27.5	21.3	18.4	15.5	12.7	10.4	8.2
-72.5°	40.0	34.9	29.4	23.6	21.1	18.5	15.9	13.5	11.3	9.2	7.1
-75°	26.2	23.9	22.2	20.4	18.0	15.7	13.7	11.9	9.9	8.0	6.3
-77.5°	20.9	19.6	18.4	16.8	14.7	12.9	11.5	10.3	8.6	7.0	5.7
-80°	16.2	15.1	13.8	12.4	11.1	10.1	9.5	8.7	7.3	6.1	5.0
-82.5°	11.7	10.7	9.8	9.0	8.5	8.1	7.6	7.1	6.0	5.1	4.4
-85°	8.0	7.5	7.1	6.7	6.4	6.1	5.9	5.8	5.2	4.7	4.3
-87.5°	5.4	5.3	5.3	5.2	5.1	5.0	5.0	4.9	4.6	4.4	4.2
-90°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0



REPORT NUMBER: P1306313 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-4S-CV1-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	4.0	4.0	4.0	4.0	4.0	4.0	4.0
87.5°	2.0	2.1	2.2	2.2	2.2	3.0	4.0
85°	2.0	2.2	2.3	2.4	2.4	3.1	4.0
82.5°	2.0	2.3	2.5	2.6	2.5	3.1	4.0
80°	2.1	2.5	2.7	2.8	2.7	3.2	4.0
77.5°	2.6	2.7	2.9	3.0	2.9	3.2	4.0
75°	3.1	3.0	3.1	3.2	3.1	3.3	4.0
72.5°	3.6	3.3	3.3	3.4	3.2	3.3	4.0
70°	4.0	3.6	3.4	3.6	3.4	3.4	4.0
67.5°	4.0	3.9	3.6	3.7	3.6	3.4	4.0
65°	4.0	4.0	3.7	3.7	3.7	3.5	4.0
62.5°	4.0	4.0	3.9	3.8	3.9	3.5	4.0
60°	4.0	4.0	4.0	3.8	4.0	3.6	4.0
57.5°	4.0	4.0	4.0	3.9	4.0	3.6	4.0
55°	4.0	4.0	4.0	3.9	4.0	3.7	4.0
52.5°	4.0	4.0	4.0	4.0	4.0	3.7	4.0
50°	4.0	4.0	4.0	4.0	4.0	3.7	4.0
47.5°	4.0	4.0	4.0	4.0	4.0	3.8	4.0
45°	4.0	4.0	4.0	4.0	4.0	3.8	4.0
42.5°	4.0	4.0	4.0	4.0	4.0	3.8	4.0
40°	4.0	4.0	4.0	4.0	4.0	3.8	4.0
37.5°	4.0	4.0	4.0	4.0	4.0	3.9	4.0
35°	4.0	4.0	4.0	4.0	4.0	3.9	4.0
32.5°	4.1	4.0	4.0	4.0	4.0	3.9	4.0
30°	4.3	4.0	4.0	4.0	4.0	3.9	4.0
27.5°	4.5	4.0	4.0	4.0	4.0	3.9	4.0
25°	4.8	4.0	4.0	4.0	4.0	4.0	4.0
22.5°	5.0	4.0	4.0	4.0	4.0	4.0	4.0
20°	5.3	4.2	4.0	4.0	4.0	4.0	4.0
17.5°	5.7	4.4	4.0	4.0	4.0	4.0	4.0
15°	6.1	4.6	4.0	4.0	4.0	4.0	4.0
12.5°	6.5	4.8	4.0	4.0	4.0	4.0	4.0
10°	6.8	5.1	4.0	4.0	4.0	4.0	4.0
7.5°	7.2	5.3	4.0	4.0	4.0	4.0	4.0
5°	7.5	5.6	4.0	4.0	4.0	4.0	4.0
2.5°	7.8	5.9	4.0	4.0	4.0	4.0	4.0
0°	8.1	6.1	4.0	4.0	4.0	4.0	4.0
-2.5°	10.0	6.8	4.2	4.0	4.0	4.0	4.0
-5°	11.8	7.4	4.4	4.0	4.0	4.0	4.0
-7.5°	13.5	7.9	4.5	4.0	4.0	4.0	4.0
-10°	15.1	8.5	4.7	4.0	4.0	4.0	4.0
-12.5°	16.4	8.9	4.8	4.0	4.0	4.0	4.0
-15°	17.6	9.2	4.9	4.0	4.0	4.0	4.0
-17.5°	18.5	9.5	5.0	4.0	4.0	4.0	4.0
-20°	19.2	9.6	5.1	4.0	4.0	4.0	4.0



REPORT NUMBER: P1306313 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-4S-CV1-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	19.9	9.6	5.1	4.0	4.0	4.0	4.0
-25°	20.3	9.7	5.1	4.0	4.0	4.0	4.0
-27.5°	20.2	9.7	5.1	4.0	4.0	4.0	4.0
-30°	19.6	9.5	5.0	4.0	4.0	4.0	4.0
-32.5°	18.6	9.2	5.1	4.0	4.0	4.0	4.0
-35°	17.9	8.6	5.1	4.0	4.0	4.0	4.0
-37.5°	17.2	8.2	5.1	4.0	4.0	4.0	4.0
-40°	16.2	8.1	5.0	4.0	4.0	4.0	4.0
-42.5°	14.9	8.0	5.1	4.0	4.0	4.0	4.0
-45°	13.3	7.9	5.1	4.1	4.0	4.0	4.0
-47.5°	11.4	7.7	5.2	4.1	4.0	4.0	4.0
-50°	10.9	7.4	5.2	4.1	4.0	4.0	4.0
-52.5°	10.5	7.1	5.1	4.2	4.0	4.0	4.0
-55°	10.0	6.9	5.0	4.2	4.0	4.0	4.0
-57.5°	9.4	6.7	4.9	4.2	4.0	4.0	4.0
-60°	8.8	6.4	4.8	4.2	4.0	4.0	4.0
-62.5°	8.3	6.0	4.7	4.1	4.0	4.0	4.0
-65°	7.6	5.6	4.6	4.1	4.0	4.0	4.0
-67.5°	6.8	5.2	4.5	4.1	4.0	4.0	4.0
-70°	6.0	5.0	4.3	4.0	4.0	4.0	4.0
-72.5°	5.5	4.7	4.2	4.0	4.0	4.0	4.0
-75°	5.1	4.4	4.0	4.0	4.0	4.0	4.0
-77.5°	4.6	4.1	4.0	4.0	4.0	4.0	4.0
-80°	4.1	4.0	4.0	4.0	4.0	4.0	4.0
-82.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0
-85°	4.0	4.0	4.0	4.0	4.0	4.0	4.0
-87.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0
-90°	2.0	2.0	2.0	2.0	2.0	3.0	4.0

(END OF REPORT)