

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: P1306312 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680N-40-80-3S-VHE-A**

Issue Date: 2/3/2026

Test Information

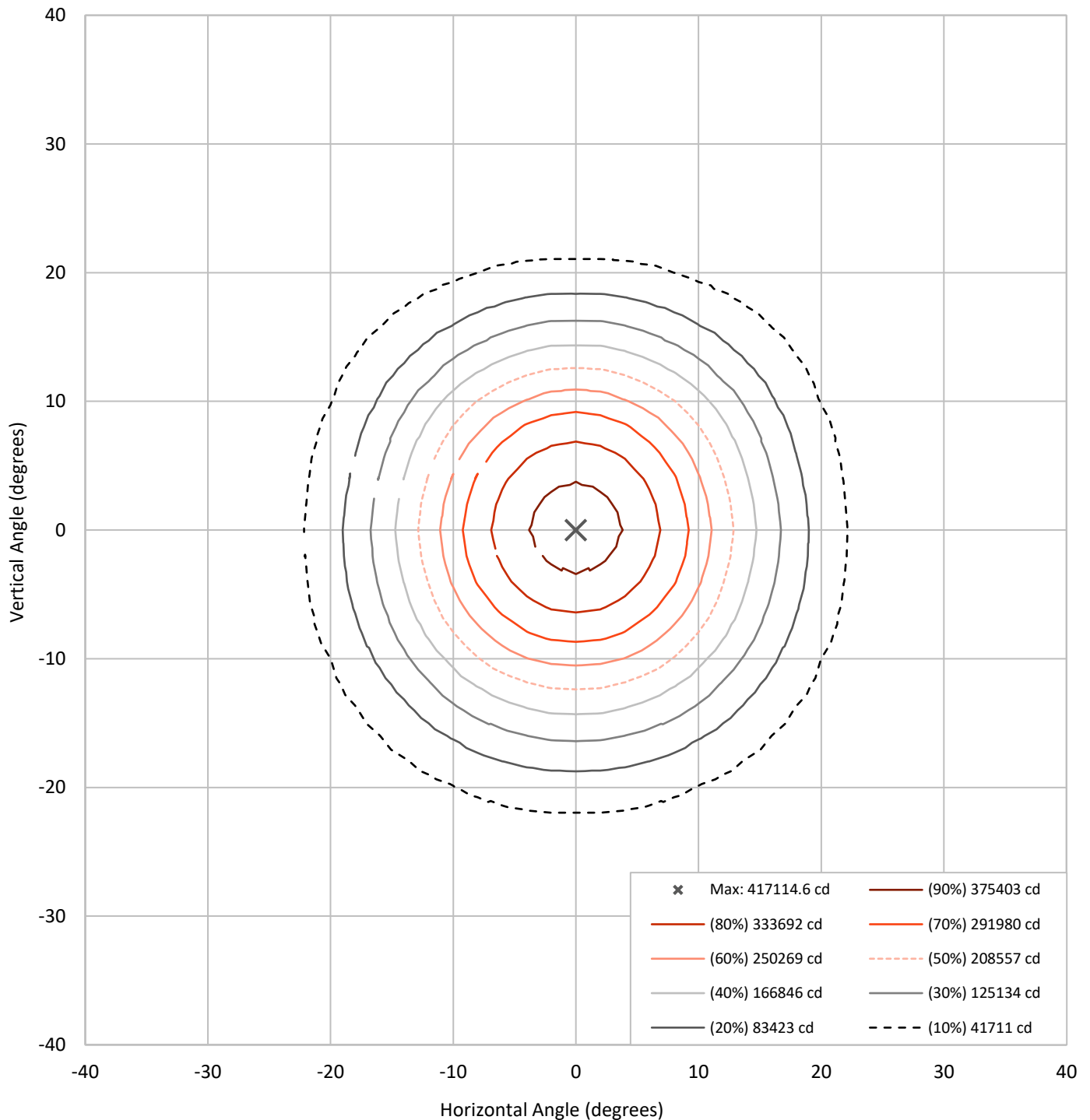
Test Method: LM-79-08
Report Number: P1306312 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-3)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-08-680N-40-80-3S-VHE-A
Description: EPHESUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 80 CRI LEDS AND 3S 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:	93713.2 lumens	Max Intensity:	417114.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	136.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	25.7°H x 24.9°V	Field Angle (10%):	44.2°H x 43°V
Beam Lumens:	44837.8 lumens	Field Lumens:	78567 lumens
Beam Efficiency:	47.8%	Field Efficiency:	83.8%
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: P1306312 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-680N-40-80-3S-VHE-A

Iso-Candela Plot





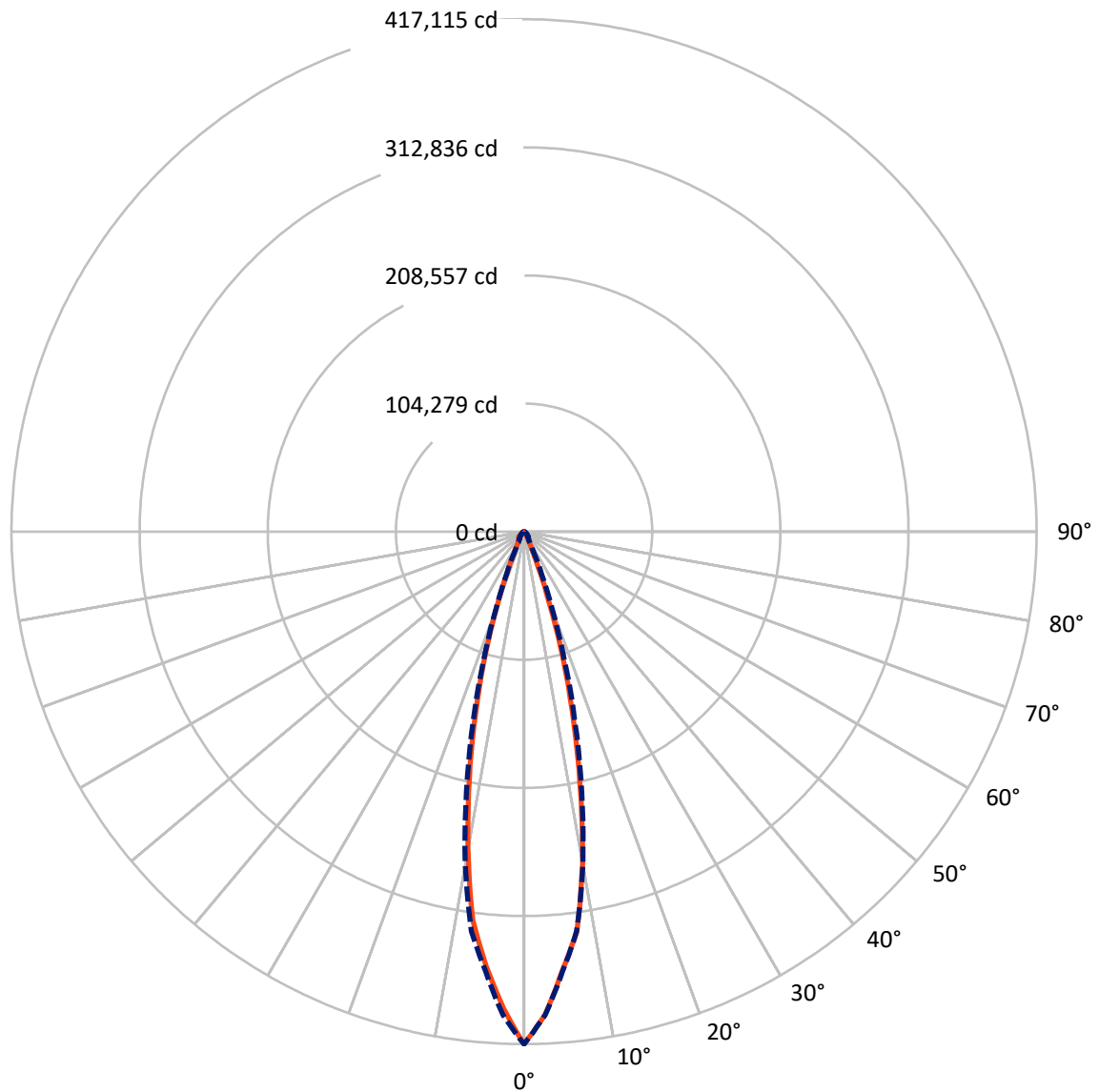
REPORT NUMBER: P1306312 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-3S-VHE-A

Lumen Table

90	0.2	0.7		1.5		2.2		2.6		2.2		1.5		0.7		0.2			
80	0.2	0.7		1.5		2.2		2.6		2.2		1.5		0.7		0.2			
70	0.3	0.1	0.2	0.7	0.8	0.7	0.6	0.6	0.6	0.6	0.7	0.8	0.7	0.2	0.1	0.3			
60		0.4	0.9	1.2	1.0	1.0	1.4	1.6	1.6	1.4	1.0	1.0	1.2	0.9	0.4				
50	0.9	1.3	3.1	6.5	12.1	20.7	29.4	33.3	33.3	29.4	20.7	12.1	6.5	3.1	1.3	0.9			
40		3.2	9.9	20.5	38.6	64.1	77.4	90.9	90.9	77.4	64.1	38.6	20.5	9.9	3.2				
30	2.2	5.4	16.7	36.7	82.2	105.7	228.3	499.3	499.3	228.3	105.7	82.2	36.7	16.7	5.4	2.2			
20		7.2	22.0	59.7	117.9	285.2	1717.6	4152.5	4152.5	1717.6	285.2	117.9	59.7	22.0	7.2				
10	3.1	8.6	25.5	76.0	142.9	632.9	4171.8	9502.1	9502.1	4171.8	632.9	142.9	76.0	25.5	8.6	3.1			
0		9.6	28.0	80.4	158.3	652.3	4197.1	9403.5	9403.5	4197.1	652.3	158.3	80.4	28.0	9.6				
-10	3.4	9.7	28.9	77.6	157.7	349.7	1791.0	4191.3	4191.3	1791.0	349.7	157.7	77.6	28.9	9.7	3.4			
-20		8.9	27.6	61.4	141.9	214.2	371.3	706.0	706.0	371.3	214.2	141.9	61.4	27.6	8.9				
-30	2.9	7.6	23.6	49.1	98.0	171.4	211.5	234.8	234.8	211.5	171.4	98.0	49.1	23.6	7.6	2.9			
-40		5.9	18.0	38.1	62.1	91.6	134.3	167.3	167.3	134.3	91.6	62.1	38.1	18.0	5.9				
-50	2.4	4.0	11.7	24.9	41.8	56.9	69.1	76.6	76.6	69.1	56.9	41.8	24.9	11.7	4.0	2.4			
-60		2.8	6.2	12.8	21.7	30.0	37.8	42.6	42.6	37.8	30.0	21.7	12.8	6.2	2.8				
-70	1.7	10.3		23.8		38.7		47.5		38.7		23.8		10.3		1.7			
-80		10.3		23.8		38.7		47.5		38.7		23.8		10.3					
-90	1.7	10.3		23.8		38.7		47.5		38.7		23.8		10.3		1.7			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P1306312 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-680N-40-80-3S-VHE-A

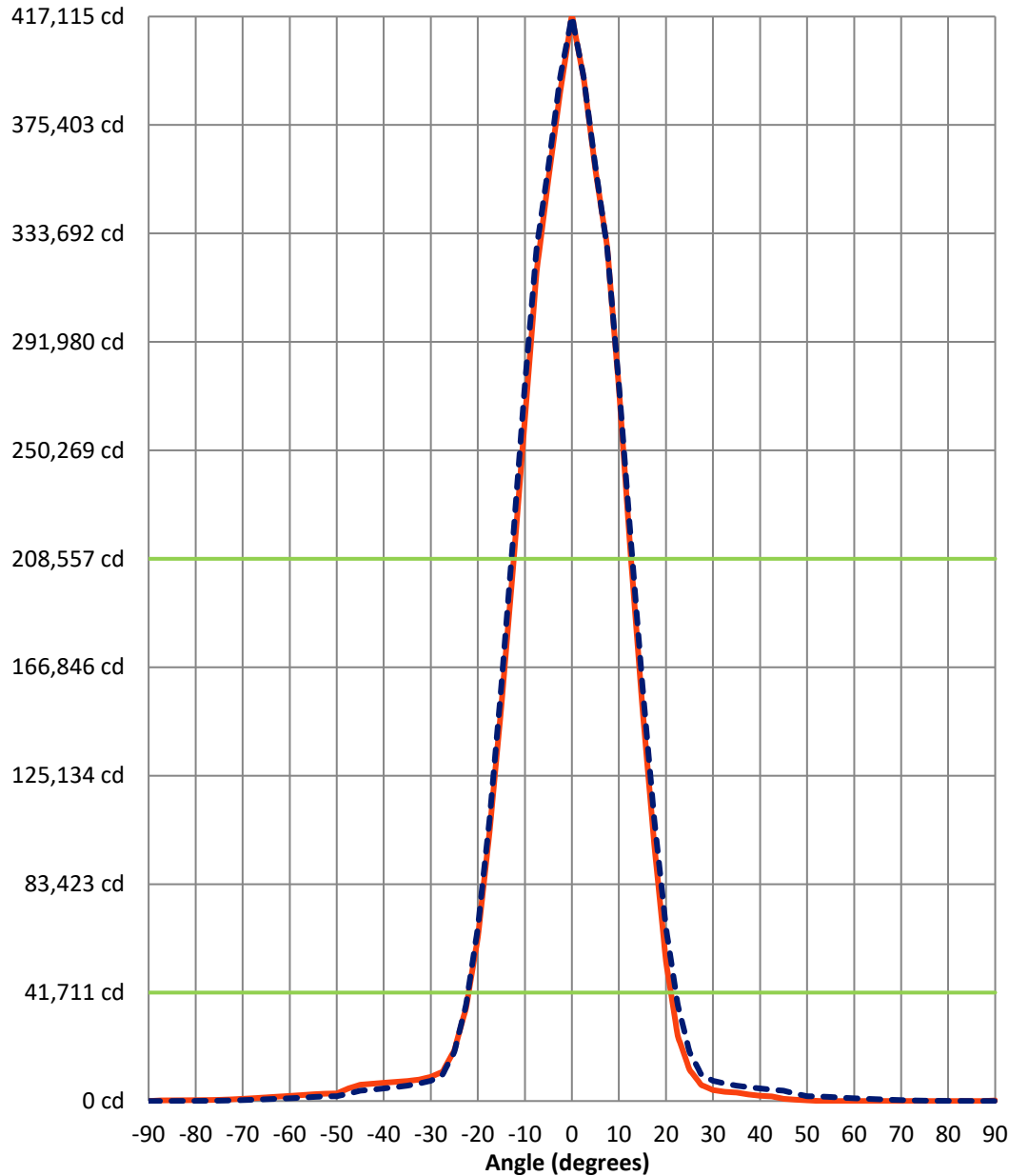
Luminous Intensity Polar Plot



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

REPORT NUMBER: P1306312 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-3S-VHE-A

Luminous Intensity Plot



Beam:
 H Angle: 25.7°
 V Angle: 24.9°
 Lumens: 44837.8
 Efficiency: 47.8%

Field:
 H Angle: 44.2°
 V Angle: 43°
 Lumens: 78567
 Efficiency: 83.8%

Spill:
 Lumens: 15146.2
 Efficiency: 16.2%

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



REPORT NUMBER: P1306312 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-3S-VHE-A

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	3.3	13.9	24.6	39.6	54.7	67.5	80.4	89.9	99.4	107.2	115.0
87.5°	3.3	3.6	3.5	3.6	3.7	3.7	3.6	3.3	3.0	2.9	2.7
85°	3.3	3.8	3.7	3.9	4.1	4.1	3.9	3.8	3.8	3.5	3.1
82.5°	3.3	4.1	3.9	4.2	4.5	4.4	4.3	4.3	4.5	4.1	3.7
80°	3.3	4.4	4.1	4.5	4.9	4.8	4.6	4.8	4.9	4.6	4.2
77.5°	3.3	4.7	4.4	4.8	5.3	5.3	5.2	5.4	5.3	5.0	4.7
75°	3.3	4.9	4.6	5.1	5.7	5.9	5.8	5.9	5.8	5.7	5.3
72.5°	3.3	5.2	4.9	5.4	6.3	6.6	6.5	6.6	6.7	6.5	5.9
70°	3.3	5.5	5.2	5.7	6.9	7.2	7.2	7.7	7.7	7.3	7.5
67.5°	3.3	5.8	5.5	6.4	7.6	7.9	8.6	9.0	8.8	9.3	9.3
65°	3.3	6.1	5.9	7.0	8.3	9.0	10.1	10.2	11.2	11.4	11.3
62.5°	3.3	6.4	6.2	7.7	9.0	10.5	11.6	12.4	13.7	13.7	13.7
60°	3.3	6.7	6.6	8.4	9.8	12.0	13.2	15.0	16.3	16.7	16.3
57.5°	3.3	7.0	7.4	9.1	11.2	13.6	15.7	17.8	19.8	20.1	22.2
55°	3.3	7.3	8.2	9.8	12.8	15.3	18.3	20.7	23.9	25.2	30.0
52.5°	3.3	7.6	9.0	10.6	14.4	17.1	20.9	24.8	28.2	34.6	38.5
50°	3.3	7.9	9.8	11.3	16.0	19.6	23.6	29.2	34.5	45.0	54.1
47.5°	3.3	8.2	10.6	12.2	17.7	22.2	26.6	33.8	44.9	56.2	72.9
45°	3.3	8.5	11.5	13.5	19.4	24.9	30.7	38.6	55.9	75.4	93.7
42.5°	3.3	8.8	12.3	14.8	21.1	27.7	35.0	46.5	67.3	96.1	125.5
40°	3.3	9.1	13.2	16.4	23.2	30.5	39.6	56.8	81.8	118.1	161.5
37.5°	3.3	9.4	14.1	18.3	25.4	33.5	44.7	67.3	102.0	144.4	199.9
35°	3.3	9.7	15.0	20.1	27.7	37.2	49.8	78.0	123.1	178.3	243.0
32.5°	3.3	10.0	15.9	22.0	29.9	41.3	56.3	89.3	144.9	212.3	285.7
30°	3.3	10.4	16.8	23.9	32.2	45.4	65.6	102.3	167.3	246.4	325.6
27.5°	3.3	10.7	17.8	25.7	35.1	49.5	74.7	119.3	190.1	280.5	362.8
25°	3.3	11.0	18.7	27.5	38.0	53.6	83.7	135.4	213.2	312.4	397.4
22.5°	3.3	11.3	19.6	29.3	40.8	57.7	92.4	150.5	234.3	334.0	435.0
20°	3.3	11.5	20.5	31.1	43.6	62.0	100.9	164.6	253.3	354.1	465.4
17.5°	3.3	11.8	21.4	32.9	46.3	66.0	108.8	177.7	270.4	372.5	493.9
15°	3.3	12.1	22.2	34.6	49.0	69.8	116.1	189.4	285.5	389.3	521.0
12.5°	3.3	12.3	23.1	36.2	51.5	73.5	122.8	199.9	300.9	404.3	546.2
10°	3.3	12.6	23.9	37.8	53.9	76.9	128.9	209.3	316.6	426.7	573.7
7.5°	3.3	12.8	24.7	39.4	56.3	80.1	134.5	217.6	331.1	449.3	608.2
5°	3.3	13.0	25.4	40.8	58.5	83.0	139.5	224.8	344.2	470.4	640.1
2.5°	3.3	13.2	26.1	42.2	60.6	85.7	143.8	230.8	355.6	489.8	669.0
0°	3.3	13.4	26.8	43.5	62.5	88.2	147.4	235.6	365.1	507.0	694.6
-2.5°	3.3	14.0	28.0	45.4	65.3	91.9	152.1	243.6	375.8	518.7	706.5
-5°	3.3	14.5	29.1	47.3	67.9	95.4	156.2	250.3	384.4	527.8	714.5
-7.5°	3.3	15.0	30.2	49.0	70.4	98.5	159.4	255.4	390.7	534.3	718.8
-10°	3.3	15.5	31.2	50.6	72.7	101.4	162.0	259.1	394.6	538.3	719.4
-12.5°	3.3	15.9	32.2	52.1	74.8	104.0	163.7	261.0	396.1	539.4	717.8
-15°	3.3	16.4	33.1	53.5	76.7	106.2	164.6	261.1	393.8	536.1	712.3
-17.5°	3.3	16.8	33.9	54.7	78.4	108.2	164.7	258.8	387.4	529.7	701.7
-20°	3.3	17.1	34.7	55.8	79.9	109.8	164.1	254.4	378.7	520.4	686.0



REPORT NUMBER: P1306312 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.3	17.5	35.3	56.8	81.2	111.0	162.8	248.5	367.7	508.0	665.5
-25°	3.3	17.8	35.9	57.6	82.2	112.1	160.7	241.0	354.5	492.5	643.9
-27.5°	3.3	18.1	36.4	58.3	83.1	113.1	157.7	231.9	339.0	478.4	628.4
-30°	3.3	18.3	36.9	58.8	83.7	113.6	153.9	221.3	326.4	462.9	609.8
-32.5°	3.3	18.5	37.2	59.2	84.5	113.9	149.2	214.4	315.6	444.9	587.5
-35°	3.3	18.7	37.5	59.4	85.2	113.9	147.5	208.5	302.1	424.3	561.5
-37.5°	3.3	18.9	37.7	59.5	85.5	113.8	147.0	201.8	285.7	401.3	534.2
-40°	3.3	19.0	37.8	59.4	85.7	114.0	146.1	193.7	266.5	378.8	503.3
-42.5°	3.3	19.0	37.8	59.2	85.8	113.9	144.9	184.2	252.2	351.9	467.6
-45°	3.3	19.1	37.8	59.2	85.6	113.6	143.1	177.1	239.7	322.0	428.2
-47.5°	3.3	19.1	37.6	58.9	85.3	113.0	140.7	174.3	225.4	289.9	391.7
-50°	3.3	19.0	37.4	58.8	84.7	112.1	139.1	170.8	208.6	270.7	352.2
-52.5°	3.3	19.0	37.1	58.5	83.9	110.9	137.4	166.7	199.4	250.1	311.3
-55°	3.3	18.9	36.7	58.1	82.8	109.3	135.2	162.2	193.2	228.0	285.4
-57.5°	3.3	18.7	36.2	57.6	81.5	107.3	132.7	159.1	186.6	216.9	258.1
-60°	3.3	18.5	35.7	56.9	80.0	105.1	129.8	155.2	179.9	208.7	235.5
-62.5°	3.3	18.3	35.1	56.1	78.8	102.7	126.8	150.9	174.5	199.6	224.3
-65°	3.3	18.1	34.5	55.1	77.4	100.0	123.4	146.2	168.7	191.4	212.4
-67.5°	3.3	17.8	33.8	54.0	75.8	97.2	119.8	141.4	162.3	183.4	202.4
-70°	3.3	17.5	33.0	52.8	74.0	94.5	115.9	136.3	156.2	175.0	193.1
-72.5°	3.3	17.1	32.2	51.5	72.0	91.5	111.8	130.9	149.7	166.8	183.5
-75°	3.3	16.8	31.3	50.2	69.9	88.3	107.4	125.1	142.9	158.3	173.4
-77.5°	3.3	16.3	30.3	48.7	67.7	84.8	102.7	118.9	135.4	149.3	162.9
-80°	3.3	15.9	29.3	47.1	65.4	81.5	97.8	112.5	127.5	140.1	152.3
-82.5°	3.3	15.5	28.2	45.4	62.9	78.2	93.6	106.4	119.4	130.6	141.6
-85°	3.3	15.0	27.0	43.6	60.3	74.8	89.4	101.1	112.8	122.3	131.7
-87.5°	3.3	14.5	25.8	41.6	57.6	71.2	85.0	95.6	106.2	114.8	123.4
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	2.8	2.2	2.2	2.2



REPORT NUMBER: P1306312 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	121.2	127.3	132.9	138.5	143.5	148.5	155.2	161.9	167.0	172.0	177.0
87.5°	2.7	2.7	2.8	2.8	2.5	2.2	2.2	2.2	2.1	1.9	2.0
85°	3.2	3.3	3.3	3.3	2.9	2.5	2.6	2.7	2.7	2.8	2.5
82.5°	3.8	3.9	3.7	3.3	3.2	3.2	3.3	3.3	3.3	3.3	3.0
80°	4.3	4.5	4.1	3.7	3.8	4.0	3.8	3.4	3.3	3.4	3.5
77.5°	4.7	4.6	4.4	4.3	4.5	4.7	4.6	4.6	4.6	4.4	4.4
75°	5.0	4.7	4.8	4.7	4.7	5.2	5.6	5.6	5.4	5.2	5.3
72.5°	5.9	5.9	5.7	5.0	5.1	5.6	5.6	5.6	7.0	9.2	11.1
70°	7.3	7.2	6.8	6.4	6.2	6.6	8.4	11.5	14.9	18.1	21.1
67.5°	8.8	8.6	8.1	8.1	9.3	11.2	13.5	21.4	29.5	32.4	32.9
65°	10.5	10.2	10.3	11.6	13.2	18.8	26.0	35.5	43.3	42.8	39.6
62.5°	12.4	13.8	13.9	16.6	22.1	28.9	37.3	45.4	52.4	49.0	40.8
60°	17.7	18.7	21.2	26.3	32.0	38.7	47.4	50.0	51.8	50.5	39.6
57.5°	24.3	27.2	32.5	37.3	44.1	47.1	47.8	47.3	50.3	48.3	37.3
55°	34.1	39.0	46.2	51.1	55.1	49.2	48.5	51.6	51.2	46.9	36.2
52.5°	48.7	53.9	63.8	67.5	64.3	59.7	58.1	60.9	58.6	52.7	45.7
50°	64.6	77.2	83.7	86.6	80.8	80.3	74.5	78.1	81.3	78.4	88.2
47.5°	88.8	103.9	108.7	113.9	111.2	121.4	116.2	135.4	136.7	192.9	209.7
45°	117.9	138.3	143.9	157.3	172.2	190.0	220.9	229.0	321.4	377.7	444.1
42.5°	153.0	178.6	201.7	209.4	275.7	311.7	357.9	443.9	529.8	600.5	650.0
40°	198.2	224.2	273.0	331.2	401.8	462.9	551.3	650.8	732.7	787.0	812.5
37.5°	248.0	298.9	362.8	456.9	542.7	620.5	733.5	833.0	905.6	955.7	962.2
35°	301.5	373.8	478.4	573.7	662.3	767.7	879.8	994.3	1053.7	1075.4	1167.7
32.5°	363.8	446.8	570.6	674.1	773.9	893.4	1012.6	1111.4	1164.0	1225.1	1537.4
30°	422.8	523.2	646.5	756.6	880.1	1016.3	1130.3	1223.5	1259.7	1580.7	2085.8
27.5°	469.8	589.7	713.4	846.2	988.0	1143.7	1258.6	1319.1	1527.2	2002.0	2732.4
25°	513.7	642.7	781.0	946.8	1108.2	1262.4	1379.3	1418.0	1850.8	2656.0	3200.4
22.5°	556.6	694.4	855.5	1053.2	1218.5	1362.4	1460.2	1694.5	2314.7	3334.5	3617.1
20°	599.5	755.5	936.5	1133.7	1315.9	1450.3	1525.4	1986.2	2878.1	3595.2	3913.2
17.5°	640.9	817.1	1010.8	1201.3	1385.1	1521.3	1618.5	2232.2	3324.4	3829.1	4142.1
15°	681.2	869.7	1068.1	1264.9	1452.3	1583.5	1847.1	2593.1	3601.6	4112.1	4442.7
12.5°	719.9	914.6	1110.4	1320.0	1517.4	1644.0	2084.3	3030.5	3890.8	4390.9	4748.3
10°	756.3	952.4	1147.1	1370.3	1577.9	1696.6	2306.8	3439.1	4155.4	4589.4	4913.3
7.5°	793.1	986.5	1180.4	1415.8	1635.0	1744.5	2495.1	3662.7	4259.3	4720.4	5029.6
5°	825.5	1018.0	1219.7	1471.8	1690.2	1788.6	2654.0	3813.2	4292.2	4785.9	5113.4
2.5°	853.3	1044.2	1254.1	1524.1	1740.0	1828.5	2762.3	3927.9	4332.0	4832.5	5217.6
0°	876.6	1065.3	1283.0	1568.9	1782.2	1864.8	2834.0	3989.8	4357.1	4852.9	5333.1
-2.5°	893.7	1093.4	1329.2	1606.9	1816.8	1902.7	2856.6	4016.3	4393.7	4965.6	5592.4
-5°	906.3	1116.0	1367.8	1637.2	1845.0	1937.6	2840.5	3991.5	4437.4	5069.6	5757.1
-7.5°	914.2	1132.3	1397.6	1659.7	1868.6	1976.9	2792.1	3963.1	4574.2	5200.1	5840.0
-10°	917.8	1140.7	1402.2	1668.2	1887.4	2016.3	2709.3	3866.9	4673.1	5250.0	5846.9
-12.5°	921.0	1142.4	1396.6	1666.7	1899.1	2052.3	2605.2	3751.4	4764.2	5268.7	5804.5
-15°	918.2	1138.8	1384.3	1656.3	1914.1	2097.8	2472.0	3537.1	4804.8	5249.0	5725.1
-17.5°	908.9	1130.1	1367.3	1643.0	1923.7	2140.2	2297.4	3206.9	4586.4	5188.4	5664.5
-20°	893.1	1114.3	1343.0	1617.4	1918.5	2158.6	2293.0	2965.2	4128.7	5069.4	5574.5



REPORT NUMBER: P1306312 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	872.2	1091.9	1313.9	1583.4	1888.3	2151.0	2324.9	2698.9	3610.1	4895.0	5438.9
-25°	847.7	1063.4	1284.1	1546.8	1846.1	2136.6	2342.5	2453.5	3181.5	4303.9	5223.4
-27.5°	819.5	1029.6	1250.1	1498.0	1791.1	2093.6	2314.0	2460.3	2833.0	3628.0	4896.1
-30°	786.1	990.5	1206.1	1441.3	1723.7	2012.4	2265.1	2451.4	2560.3	3166.8	4186.2
-32.5°	748.4	945.4	1156.0	1386.9	1647.7	1925.1	2192.2	2393.7	2543.0	2741.5	3518.0
-35°	712.3	899.4	1100.5	1325.7	1566.1	1826.7	2077.3	2315.1	2502.3	2630.2	2945.8
-37.5°	680.4	849.2	1042.4	1259.2	1490.7	1713.8	1953.3	2198.3	2412.8	2589.7	2701.4
-40°	644.0	795.2	982.5	1187.5	1393.7	1599.6	1823.3	2057.4	2293.7	2487.9	2658.2
-42.5°	603.2	749.6	917.3	1103.9	1293.4	1487.9	1687.0	1908.7	2131.5	2353.0	2532.6
-45°	557.9	698.8	847.8	1015.5	1187.4	1370.9	1559.6	1751.2	1961.9	2170.9	2367.5
-47.5°	507.0	642.3	784.4	921.4	1080.9	1249.3	1425.5	1606.2	1786.6	1978.5	2168.3
-50°	453.9	579.5	710.6	836.0	972.4	1125.7	1287.5	1455.7	1625.8	1786.8	1953.8
-52.5°	404.6	511.0	631.0	751.2	870.9	1001.3	1147.5	1299.4	1456.9	1613.7	1754.9
-55°	351.5	447.1	546.8	660.2	774.7	887.5	1006.2	1143.6	1277.4	1421.6	1560.4
-57.5°	311.7	382.0	469.4	563.8	671.0	780.0	885.1	988.6	1105.1	1225.8	1348.2
-60°	280.0	329.4	396.2	476.6	561.0	661.7	764.9	860.5	948.5	1038.3	1149.2
-62.5°	250.7	291.2	337.7	393.6	467.0	541.8	630.7	721.8	807.4	889.5	972.0
-65°	236.4	257.7	292.8	334.5	376.6	440.3	508.4	578.1	656.6	731.9	808.6
-67.5°	221.4	241.6	261.0	283.8	321.6	358.8	395.6	457.0	518.5	573.8	629.6
-70°	209.9	225.7	243.2	260.2	277.3	299.1	332.7	367.0	400.3	437.0	483.9
-72.5°	198.6	212.7	226.9	240.6	256.0	271.7	287.8	304.6	329.0	357.4	382.9
-75°	187.0	199.3	211.7	224.1	236.8	249.9	263.4	278.3	293.4	308.6	322.2
-77.5°	175.2	186.8	197.4	207.8	218.7	230.3	242.4	254.5	266.9	279.5	290.2
-80°	163.2	174.1	183.4	192.5	201.9	211.4	221.8	232.2	242.7	253.3	262.5
-82.5°	150.9	160.2	168.5	176.7	184.8	192.7	201.7	210.8	219.9	229.0	236.8
-85°	139.0	146.1	153.2	160.3	167.4	174.4	182.4	190.4	198.0	205.6	212.3
-87.5°	130.1	136.7	142.7	148.7	154.3	159.9	166.9	173.7	179.6	185.6	191.1
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.7	1.1	1.1



REPORT NUMBER: P1306312 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	182.0	185.4	188.7	191.5	194.3	198.2	202.1	207.7	213.3	220.0	226.7
87.5°	2.0	2.0	2.1	1.6	1.1	1.1	1.1	1.1	1.1	1.6	2.2
85°	2.2	2.2	2.2	2.5	2.9	3.0	3.0	3.1	3.1	3.2	3.3
82.5°	2.7	2.8	2.9	3.1	3.3	3.3	3.3	3.3	3.3	3.8	4.4
80°	3.6	3.7	3.9	4.0	4.0	3.8	3.4	3.3	3.3	3.9	4.5
77.5°	4.6	4.6	4.5	4.3	3.9	3.6	3.3	3.3	3.3	3.4	3.4
75°	5.5	5.6	6.0	6.3	6.8	6.9	6.4	6.5	6.9	6.8	6.5
72.5°	12.3	12.6	12.6	14.1	15.5	16.0	16.4	17.5	18.7	20.5	22.5
70°	24.0	26.4	27.5	27.5	26.4	25.7	25.2	25.1	25.5	26.7	28.2
67.5°	34.6	35.6	35.2	34.7	32.6	30.1	27.3	25.8	26.5	27.7	29.4
65°	39.1	36.0	33.8	33.0	31.0	27.9	23.7	20.8	20.1	19.7	19.6
62.5°	35.1	29.6	27.0	25.5	22.8	20.2	16.3	13.2	12.1	11.3	11.2
60°	30.6	23.8	19.6	17.6	14.7	11.4	9.4	7.2	6.5	6.0	6.2
57.5°	26.6	19.7	14.8	13.9	11.3	8.9	7.1	5.3	4.8	4.5	4.7
55°	27.4	23.9	20.0	18.0	15.0	13.6	12.0	10.8	9.9	10.1	10.8
52.5°	38.7	41.6	36.6	35.3	44.0	44.1	36.4	48.2	55.5	60.9	62.5
50°	100.0	99.3	132.0	126.4	156.6	181.2	182.3	197.2	225.8	245.3	255.9
47.5°	265.5	295.3	333.4	373.4	404.6	443.6	483.1	512.6	519.8	520.6	525.8
45°	499.8	542.4	599.7	641.7	700.8	737.3	767.5	794.9	858.2	916.5	984.3
42.5°	698.0	744.5	803.9	889.3	951.5	1117.7	1372.1	1434.6	1443.5	1495.3	1570.6
40°	854.5	915.5	1047.3	1234.3	1632.6	1989.9	2054.4	2108.1	2131.6	2103.0	2154.1
37.5°	1043.9	1186.8	1483.6	1994.9	2183.8	2281.1	2349.5	2390.6	2440.5	2486.7	2511.7
35°	1358.3	1756.6	2016.7	2289.8	2413.3	2462.6	2512.9	2563.5	2602.7	2653.8	2694.6
32.5°	2003.7	2447.1	2473.2	2540.7	2605.0	2669.2	2716.1	2764.3	2806.2	2872.3	3011.2
30°	2653.9	2750.6	2774.3	2780.3	2839.1	2916.0	2956.7	3054.0	3185.5	3336.3	3657.0
27.5°	3000.1	3066.6	3080.5	3087.1	3114.5	3205.3	3373.8	3506.7	3822.2	4205.1	5029.6
25°	3421.6	3468.9	3519.0	3516.9	3558.5	3719.5	4048.9	4329.4	5395.3	6392.7	8541.6
22.5°	3823.6	3966.7	4038.0	4133.5	4274.6	4567.6	5145.5	6769.1	9483.7	12948.0	17260.7
20°	4103.1	4295.5	4487.4	4753.9	5094.9	5702.9	7508.6	12367.0	18169.1	26588.0	33649.4
17.5°	4385.0	4602.4	4941.6	5352.8	5925.6	7967.1	13260.9	21510.3	33425.3	48371.7	61485.7
15°	4752.5	5010.6	5464.7	6051.7	7652.2	12010.1	20841.0	35851.7	53964.8	74975.3	97015.1
12.5°	5002.9	5358.4	5898.3	6656.3	9283.5	17445.4	31664.0	52241.8	77171.7	103645.5	138777.4
10°	5187.9	5613.0	6346.3	7918.0	12681.7	23444.8	40531.1	66211.9	100389.9	140737.9	180904.2
7.5°	5343.2	5915.7	6836.4	8816.8	15613.6	29183.2	50962.9	82176.9	122615.2	171232.6	217942.5
5°	5482.8	6241.8	7308.0	9785.7	18240.6	33338.1	57900.4	94099.8	140927.8	194026.0	245597.0
2.5°	5667.3	6547.1	7613.9	10052.3	19292.2	35640.2	63397.4	103727.3	154002.7	209858.5	265967.9
0°	5923.8	6745.6	7800.9	10222.9	18965.1	37082.6	66766.4	108559.0	159732.6	216508.3	275357.7
-2.5°	6125.4	6860.0	7909.8	10085.4	18805.2	36404.2	65246.0	105742.5	154122.9	208984.8	267687.8
-5°	6255.7	6942.1	7957.6	10136.8	18401.7	33811.4	60755.2	98363.1	142699.4	192222.7	246505.4
-7.5°	6331.9	6972.1	7908.0	9813.6	16568.8	30279.2	52761.8	84761.0	124534.3	170360.4	215221.4
-10°	6377.6	6952.7	7804.4	9356.3	13936.7	24607.3	41654.2	68774.4	103235.7	140161.9	176856.4
-12.5°	6394.8	6911.6	7658.5	8701.4	11174.0	19264.5	33158.4	52405.5	77986.5	108277.2	140611.1
-15°	6361.2	6852.0	7517.4	8420.4	10065.4	14441.6	23137.3	36227.7	55294.8	78421.7	101852.6
-17.5°	6236.3	6790.3	7308.4	8001.7	8969.9	11033.7	16326.2	24728.4	36356.0	51642.6	65160.9
-20°	6070.7	6674.0	7117.6	7730.4	8490.7	9435.2	11132.5	16260.3	22780.3	31630.3	40453.3



REPORT NUMBER: P1306312 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5923.3	6475.3	7033.0	7453.7	8049.1	8669.9	9436.4	10903.3	14179.4	18597.9	24191.0
-25°	5787.4	6292.6	6864.9	7319.8	7655.7	8094.6	8574.7	9088.6	10201.5	11244.9	13943.2
-27.5°	5595.9	6119.4	6615.7	7101.2	7424.9	7624.0	7951.3	8270.6	8736.6	9151.1	9943.6
-30°	5373.2	5885.4	6357.6	6798.7	7130.3	7339.8	7502.1	7721.7	7968.3	8219.2	8559.8
-32.5°	4579.6	5610.4	6050.1	6448.3	6790.3	7036.6	7208.4	7352.7	7495.0	7655.7	7835.1
-35°	3710.1	4728.3	5720.3	6030.9	6354.1	6680.2	6934.9	7071.1	7194.9	7307.5	7417.3
-37.5°	3016.5	3734.9	4625.2	5471.5	5864.2	6193.5	6499.7	6737.5	6911.2	7016.7	7115.4
-40°	2745.0	2927.0	3611.8	4308.7	4978.7	5587.2	5898.5	6250.0	6535.7	6690.6	6798.1
-42.5°	2680.1	2763.7	2827.6	3269.1	3802.2	4315.2	4882.9	5446.5	5888.7	6183.5	6402.7
-45°	2538.0	2658.2	2753.6	2793.0	2817.1	3191.1	3630.7	4061.1	4557.6	5070.6	5536.4
-47.5°	2336.5	2492.9	2600.6	2685.0	2735.3	2751.2	2782.1	2878.6	3239.2	3618.3	3979.3
-50°	2111.9	2255.2	2384.3	2501.6	2571.3	2627.9	2682.1	2733.9	2777.9	2833.4	2883.4
-52.5°	1885.6	2017.0	2133.1	2236.0	2328.5	2417.7	2503.5	2567.7	2630.3	2697.6	2752.3
-55°	1684.1	1790.6	1887.9	1978.2	2061.7	2137.1	2214.6	2297.6	2383.3	2467.2	2532.3
-57.5°	1468.7	1570.5	1662.6	1739.2	1806.4	1862.6	1933.9	2011.5	2092.2	2166.9	2223.7
-60°	1251.4	1341.4	1425.7	1499.9	1563.6	1616.0	1681.9	1747.6	1819.6	1883.5	1934.0
-62.5°	1045.0	1120.9	1192.6	1257.4	1315.3	1368.5	1426.9	1485.6	1553.2	1612.8	1661.0
-65°	873.5	932.4	981.4	1027.4	1063.2	1109.2	1165.7	1219.9	1278.8	1330.3	1373.3
-67.5°	687.8	742.1	787.0	827.1	858.6	891.5	933.4	976.5	1022.2	1063.1	1099.2
-70°	525.5	562.1	591.2	621.2	653.5	684.8	718.3	755.2	793.5	827.4	857.1
-72.5°	405.4	423.5	440.5	464.9	486.6	508.4	529.6	556.0	584.4	610.1	633.3
-75°	334.9	346.1	359.1	370.7	380.7	392.4	404.1	421.3	439.9	457.6	474.2
-77.5°	300.5	308.6	315.1	320.5	325.2	332.3	339.8	352.6	366.3	381.3	396.2
-80°	271.3	277.4	283.0	287.7	291.9	297.8	303.8	315.1	326.8	339.4	352.0
-82.5°	244.3	249.2	253.6	257.9	262.0	267.0	271.9	281.8	291.9	302.5	312.9
-85°	218.9	223.0	226.9	230.5	233.9	238.2	242.4	250.8	259.2	268.1	277.0
-87.5°	196.6	200.4	204.2	207.4	210.5	214.2	217.9	225.3	232.7	240.1	247.6
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



REPORT NUMBER: P1306312 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	227.3	227.8	228.4	228.9	228.4	227.8	227.3	226.7	220.0	213.3	207.7
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	1.6	1.1	1.1
85°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.1	3.1
82.5°	3.9	3.3	3.9	4.5	3.9	3.3	3.9	4.4	3.8	3.3	3.3
80°	3.9	3.3	3.9	4.5	3.9	3.3	3.9	4.5	3.9	3.3	3.3
77.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.4	3.4	3.3	3.3
75°	5.6	4.5	3.9	3.3	3.9	4.5	5.6	6.5	6.8	6.9	6.5
72.5°	23.0	22.9	23.3	23.4	23.3	22.9	23.0	22.5	20.5	18.7	17.5
70°	29.1	29.8	30.0	30.1	30.0	29.8	29.1	28.2	26.7	25.5	25.1
67.5°	29.7	29.1	28.5	27.9	28.5	29.1	29.7	29.4	27.7	26.5	25.8
65°	18.6	17.3	15.4	13.4	15.4	17.3	18.6	19.6	19.7	20.1	20.8
62.5°	10.8	10.3	10.1	10.0	10.1	10.3	10.8	11.2	11.3	12.1	13.2
60°	6.4	6.7	6.7	6.7	6.7	6.7	6.4	6.2	6.0	6.5	7.2
57.5°	4.9	5.5	6.1	6.7	6.1	5.5	4.9	4.7	4.5	4.8	5.3
55°	11.4	12.7	13.3	13.4	13.3	12.7	11.4	10.8	10.1	9.9	10.8
52.5°	60.3	57.2	54.6	52.5	54.6	57.2	60.3	62.5	60.9	55.5	48.2
50°	260.7	267.4	270.6	270.2	270.6	267.4	260.7	255.9	245.3	225.8	197.2
47.5°	536.9	540.6	537.6	529.3	537.6	540.6	536.9	525.8	520.6	519.8	512.6
45°	1067.3	1021.0	939.0	866.5	939.0	1021.0	1067.3	984.3	916.5	858.2	794.9
42.5°	1670.7	1726.0	1767.5	1786.6	1767.5	1726.0	1670.7	1570.6	1495.3	1443.5	1434.6
40°	2096.6	2037.5	2025.6	2034.5	2025.6	2037.5	2096.6	2154.1	2103.0	2131.6	2108.1
37.5°	2518.1	2571.8	2611.6	2547.1	2611.6	2571.8	2518.1	2511.7	2486.7	2440.5	2390.6
35°	2789.6	2980.7	3204.9	3272.9	3204.9	2980.7	2789.6	2694.6	2653.8	2602.7	2563.5
32.5°	3243.7	3445.4	3532.8	3554.3	3532.8	3445.4	3243.7	3011.2	2872.3	2806.2	2764.3
30°	3966.2	4167.7	4203.9	4233.2	4203.9	4167.7	3966.2	3657.0	3336.3	3185.5	3054.0
27.5°	5576.7	6027.5	6134.5	6209.7	6134.5	6027.5	5576.7	5029.6	4205.1	3822.2	3506.7
25°	10238.0	11410.6	12176.5	12102.2	12176.5	11410.6	10238.0	8541.6	6392.7	5395.3	4329.4
22.5°	21581.8	23883.4	25111.6	25089.9	25111.6	23883.4	21581.8	17260.7	12948.0	9483.7	6769.1
20°	43709.6	50520.1	54206.4	53786.5	54206.4	50520.1	43709.6	33649.4	26588.0	18169.1	12367.0
17.5°	76215.6	89369.6	98559.3	98935.8	98559.3	89369.6	76215.6	61485.7	48371.7	33425.3	21510.3
15°	117852.0	137369.3	151147.3	151145.6	151147.3	137369.3	117852.0	97015.1	74975.3	53964.8	35851.7
12.5°	168525.9	191855.5	207619.8	209983.9	207619.8	191855.5	168525.9	138777.4	103645.5	77171.7	52241.8
10°	217159.5	243584.9	267417.0	273978.7	267417.0	243584.9	217159.5	180904.2	140737.9	100389.9	66211.9
7.5°	258323.9	299893.2	321601.8	328439.1	321601.8	299893.2	258323.9	217942.5	171232.6	122615.2	82176.9
5°	298729.3	334711.0	352937.3	358213.8	352937.3	334711.0	298729.3	245597.0	194026.0	140927.8	94099.8
2.5°	319983.8	353011.4	378628.8	393485.3	378628.8	353011.4	319983.8	265967.9	209858.5	154002.7	103727.3
0°	327980.7	359359.5	393714.8	417114.6	393714.8	359359.5	327980.7	275357.7	216508.3	159732.6	108559.0
-2.5°	319982.1	350344.9	375662.5	387988.6	375662.5	350344.9	319982.1	267687.8	208984.8	154122.9	105742.5
-5°	295735.7	331449.1	349882.3	354549.0	349882.3	331449.1	295735.7	246505.4	192222.7	142699.4	98363.1
-7.5°	257010.7	291358.0	313958.3	319048.7	313958.3	291358.0	257010.7	215221.4	170360.4	124534.3	84761.0
-10°	213898.4	243236.8	258483.7	262253.9	258483.7	243236.8	213898.4	176856.4	140161.9	103235.7	68774.4
-12.5°	166203.8	187719.3	203283.1	205395.5	203283.1	187719.3	166203.8	140611.1	108277.2	77986.5	52405.5
-15°	123713.1	137942.3	150489.9	151931.7	150489.9	137942.3	123713.1	101852.6	78421.7	55294.8	36227.7
-17.5°	82881.4	94662.0	101682.6	103708.3	101682.6	94662.0	82881.4	65160.9	51642.6	36356.0	24728.4
-20°	49659.6	58089.5	62768.3	62944.1	62768.3	58089.5	49659.6	40453.3	31630.3	22780.3	16260.3



REPORT NUMBER: P1306312 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	28810.1	33500.6	35976.1	35928.0	35976.1	33500.6	28810.1	24191.0	18597.9	14179.4	10903.3
-25°	16615.4	18669.1	19488.6	19517.8	19488.6	18669.1	16615.4	13943.2	11244.9	10201.5	9088.6
-27.5°	10579.7	11051.2	11240.0	11270.3	11240.0	11051.2	10579.7	9943.6	9151.1	8736.6	8270.6
-30°	8870.2	9145.9	9272.8	9308.3	9272.8	9145.9	8870.2	8559.8	8219.2	7968.3	7721.7
-32.5°	8003.6	8155.6	8258.0	8243.1	8258.0	8155.6	8003.6	7835.1	7655.7	7495.0	7352.7
-35°	7524.5	7618.6	7676.1	7703.7	7676.1	7618.6	7524.5	7417.3	7307.5	7194.9	7071.1
-37.5°	7213.9	7298.0	7352.4	7368.7	7352.4	7298.0	7213.9	7115.4	7016.7	6911.2	6737.5
-40°	6890.6	6960.6	7005.3	7021.5	7005.3	6960.6	6890.6	6798.1	6690.6	6535.7	6250.0
-42.5°	6541.6	6616.8	6652.6	6653.0	6652.6	6616.8	6541.6	6402.7	6183.5	5888.7	5446.5
-45°	5918.4	6149.8	6265.8	6271.1	6265.8	6149.8	5918.4	5536.4	5070.6	4557.6	4061.1
-47.5°	4307.6	4536.3	4720.2	4856.3	4720.2	4536.3	4307.6	3979.3	3618.3	3239.2	2878.6
-50°	2927.1	2942.2	2943.2	2930.1	2943.2	2942.2	2927.1	2883.4	2833.4	2777.9	2733.9
-52.5°	2795.0	2810.7	2822.1	2828.5	2822.1	2810.7	2795.0	2752.3	2697.6	2630.3	2567.7
-55°	2580.4	2600.2	2608.3	2605.1	2608.3	2600.2	2580.4	2532.3	2467.2	2383.3	2297.6
-57.5°	2261.7	2274.8	2280.8	2279.1	2280.8	2274.8	2261.7	2223.7	2166.9	2092.2	2011.5
-60°	1964.9	1974.6	1980.2	1979.8	1980.2	1974.6	1964.9	1934.0	1883.5	1819.6	1747.6
-62.5°	1688.2	1696.9	1703.2	1704.0	1703.2	1696.9	1688.2	1661.0	1612.8	1553.2	1485.6
-65°	1394.9	1401.4	1405.5	1404.7	1405.5	1401.4	1394.9	1373.3	1330.3	1278.8	1219.9
-67.5°	1115.0	1119.6	1123.4	1123.3	1123.4	1119.6	1115.0	1099.2	1063.1	1022.2	976.5
-70°	866.5	866.9	868.7	867.6	868.7	866.9	866.5	857.1	827.4	793.5	755.2
-72.5°	638.7	638.1	637.8	635.4	637.8	638.1	638.7	633.3	610.1	584.4	556.0
-75°	475.8	474.2	472.5	470.1	472.5	474.2	475.8	474.2	457.6	439.9	421.3
-77.5°	397.8	397.8	395.1	391.9	395.1	397.8	397.8	396.2	381.3	366.3	352.6
-80°	352.7	352.3	351.1	349.5	351.1	352.3	352.7	352.0	339.4	326.8	315.1
-82.5°	314.0	314.5	314.3	313.8	314.3	314.5	314.0	312.9	302.5	291.9	281.8
-85°	278.1	279.0	278.5	278.0	278.5	279.0	278.1	277.0	268.1	259.2	250.8
-87.5°	248.3	248.9	249.0	249.0	249.0	248.9	248.3	247.6	240.1	232.7	225.3
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1



REPORT NUMBER: P1306312 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	202.1	198.2	194.3	191.5	188.7	185.4	182.0	177.0	172.0	167.0	161.9
87.5°	1.1	1.1	1.1	1.6	2.1	2.0	2.0	2.0	1.9	2.1	2.2
85°	3.0	3.0	2.9	2.5	2.2	2.2	2.2	2.5	2.8	2.7	2.7
82.5°	3.3	3.3	3.3	3.1	2.9	2.8	2.7	3.0	3.3	3.3	3.3
80°	3.4	3.8	4.0	4.0	3.9	3.7	3.6	3.5	3.4	3.3	3.4
77.5°	3.3	3.6	3.9	4.3	4.5	4.6	4.6	4.4	4.4	4.6	4.6
75°	6.4	6.9	6.8	6.3	6.0	5.6	5.5	5.3	5.2	5.4	5.6
72.5°	16.4	16.0	15.5	14.1	12.6	12.6	12.3	11.1	9.2	7.0	5.6
70°	25.2	25.7	26.4	27.5	27.5	26.4	24.0	21.1	18.1	14.9	11.5
67.5°	27.3	30.1	32.6	34.7	35.2	35.6	34.6	32.9	32.4	29.5	21.4
65°	23.7	27.9	31.0	33.0	33.8	36.0	39.1	39.6	42.8	43.3	35.5
62.5°	16.3	20.2	22.8	25.5	27.0	29.6	35.1	40.8	49.0	52.4	45.4
60°	9.4	11.4	14.7	17.6	19.6	23.8	30.6	39.6	50.5	51.8	50.0
57.5°	7.1	8.9	11.3	13.9	14.8	19.7	26.6	37.3	48.3	50.3	47.3
55°	12.0	13.6	15.0	18.0	20.0	23.9	27.4	36.2	46.9	51.2	51.6
52.5°	36.4	44.1	44.0	35.3	36.6	41.6	38.7	45.7	52.7	58.6	60.9
50°	182.3	181.2	156.6	126.4	132.0	99.3	100.0	88.2	78.4	81.3	78.1
47.5°	483.1	443.6	404.6	373.4	333.4	295.3	265.5	209.7	192.9	136.7	135.4
45°	767.5	737.3	700.8	641.7	599.7	542.4	499.8	444.1	377.7	321.4	229.0
42.5°	1372.1	1117.7	951.5	889.3	803.9	744.5	698.0	650.0	600.5	529.8	443.9
40°	2054.4	1989.9	1632.6	1234.3	1047.3	915.5	854.5	812.5	787.0	732.7	650.8
37.5°	2349.5	2281.1	2183.8	1994.9	1483.6	1186.8	1043.9	962.2	955.7	905.6	833.0
35°	2512.9	2462.6	2413.3	2289.8	2016.7	1756.6	1358.3	1167.7	1075.4	1053.7	994.3
32.5°	2716.1	2669.2	2605.0	2540.7	2473.2	2447.1	2003.7	1537.4	1225.1	1164.0	1111.4
30°	2956.7	2916.0	2839.1	2780.3	2774.3	2750.6	2653.9	2085.8	1580.7	1259.7	1223.5
27.5°	3373.8	3205.3	3114.5	3087.1	3080.5	3066.6	3000.1	2732.4	2002.0	1527.2	1319.1
25°	4048.9	3719.5	3558.5	3516.9	3519.0	3468.9	3421.6	3200.4	2656.0	1850.8	1418.0
22.5°	5145.5	4567.6	4274.6	4133.5	4038.0	3966.7	3823.6	3617.1	3334.5	2314.7	1694.5
20°	7508.6	5702.9	5094.9	4753.9	4487.4	4295.5	4103.1	3913.2	3595.2	2878.1	1986.2
17.5°	13260.9	7967.1	5925.6	5352.8	4941.6	4602.4	4385.0	4142.1	3829.1	3324.4	2232.2
15°	20841.0	12010.1	7652.2	6051.7	5464.7	5010.6	4752.5	4442.7	4112.1	3601.6	2593.1
12.5°	31664.0	17445.4	9283.5	6656.3	5898.3	5358.4	5002.9	4748.3	4390.9	3890.8	3030.5
10°	40531.1	23444.8	12681.7	7918.0	6346.3	5613.0	5187.9	4913.3	4589.4	4155.4	3439.1
7.5°	50962.9	29183.2	15613.6	8816.8	6836.4	5915.7	5343.2	5029.6	4720.4	4259.3	3662.7
5°	57900.4	33338.1	18240.6	9785.7	7308.0	6241.8	5482.8	5113.4	4785.9	4292.2	3813.2
2.5°	63397.4	35640.2	19292.2	10052.3	7613.9	6547.1	5667.3	5217.6	4832.5	4332.0	3927.9
0°	66766.4	37082.6	18965.1	10222.9	7800.9	6745.6	5923.8	5333.1	4852.9	4357.1	3989.8
-2.5°	65246.0	36404.2	18805.2	10085.4	7909.8	6860.0	6125.4	5592.4	4965.6	4393.7	4016.3
-5°	60755.2	33811.4	18401.7	10136.8	7957.6	6942.1	6255.7	5757.1	5069.6	4437.4	3991.5
-7.5°	52761.8	30279.2	16568.8	9813.6	7908.0	6972.1	6331.9	5840.0	5200.1	4574.2	3963.1
-10°	41654.2	24607.3	13936.7	9356.3	7804.4	6952.7	6377.6	5846.9	5250.0	4673.1	3866.9
-12.5°	33158.4	19264.5	11174.0	8701.4	7658.5	6911.6	6394.8	5804.5	5268.7	4764.2	3751.4
-15°	23137.3	14441.6	10065.4	8420.4	7517.4	6852.0	6361.2	5725.1	5249.0	4804.8	3537.1
-17.5°	16326.2	11033.7	8969.9	8001.7	7308.4	6790.3	6236.3	5664.5	5188.4	4586.4	3206.9
-20°	11132.5	9435.2	8490.7	7730.4	7117.6	6674.0	6070.7	5574.5	5069.4	4128.7	2965.2



REPORT NUMBER: P1306312 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	9436.4	8669.9	8049.1	7453.7	7033.0	6475.3	5923.3	5438.9	4895.0	3610.1	2698.9
-25°	8574.7	8094.6	7655.7	7319.8	6864.9	6292.6	5787.4	5223.4	4303.9	3181.5	2453.5
-27.5°	7951.3	7624.0	7424.9	7101.2	6615.7	6119.4	5595.9	4896.1	3628.0	2833.0	2460.3
-30°	7502.1	7339.8	7130.3	6798.7	6357.6	5885.4	5373.2	4186.2	3166.8	2560.3	2451.4
-32.5°	7208.4	7036.6	6790.3	6448.3	6050.1	5610.4	4579.6	3518.0	2741.5	2543.0	2393.7
-35°	6934.9	6680.2	6354.1	6030.9	5720.3	4728.3	3710.1	2945.8	2630.2	2502.3	2315.1
-37.5°	6499.7	6193.5	5864.2	5471.5	4625.2	3734.9	3016.5	2701.4	2589.7	2412.8	2198.3
-40°	5898.5	5587.2	4978.7	4308.7	3611.8	2927.0	2745.0	2658.2	2487.9	2293.7	2057.4
-42.5°	4882.9	4315.2	3802.2	3269.1	2827.6	2763.7	2680.1	2532.6	2353.0	2131.5	1908.7
-45°	3630.7	3191.1	2817.1	2793.0	2753.6	2658.2	2538.0	2367.5	2170.9	1961.9	1751.2
-47.5°	2782.1	2751.2	2735.3	2685.0	2600.6	2492.9	2336.5	2168.3	1978.5	1786.6	1606.2
-50°	2682.1	2627.9	2571.3	2501.6	2384.3	2255.2	2111.9	1953.8	1786.8	1625.8	1455.7
-52.5°	2503.5	2417.7	2328.5	2236.0	2133.1	2017.0	1885.6	1754.9	1613.7	1456.9	1299.4
-55°	2214.6	2137.1	2061.7	1978.2	1887.9	1790.6	1684.1	1560.4	1421.6	1277.4	1143.6
-57.5°	1933.9	1862.6	1806.4	1739.2	1662.6	1570.5	1468.7	1348.2	1225.8	1105.1	988.6
-60°	1681.9	1616.0	1563.6	1499.9	1425.7	1341.4	1251.4	1149.2	1038.3	948.5	860.5
-62.5°	1426.9	1368.5	1315.3	1257.4	1192.6	1120.9	1045.0	972.0	889.5	807.4	721.8
-65°	1165.7	1109.2	1063.2	1027.4	981.4	932.4	873.5	808.6	731.9	656.6	578.1
-67.5°	933.4	891.5	858.6	827.1	787.0	742.1	687.8	629.6	573.8	518.5	457.0
-70°	718.3	684.8	653.5	621.2	591.2	562.1	525.5	483.9	437.0	400.3	367.0
-72.5°	529.6	508.4	486.6	464.9	440.5	423.5	405.4	382.9	357.4	329.0	304.6
-75°	404.1	392.4	380.7	370.7	359.1	346.1	334.9	322.2	308.6	293.4	278.3
-77.5°	339.8	332.3	325.2	320.5	315.1	308.6	300.5	290.2	279.5	266.9	254.5
-80°	303.8	297.8	291.9	287.7	283.0	277.4	271.3	262.5	253.3	242.7	232.2
-82.5°	271.9	267.0	262.0	257.9	253.6	249.2	244.3	236.8	229.0	219.9	210.8
-85°	242.4	238.2	233.9	230.5	226.9	223.0	218.9	212.3	205.6	198.0	190.4
-87.5°	217.9	214.2	210.5	207.4	204.2	200.4	196.6	191.1	185.6	179.6	173.7
-90°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.7	2.2



REPORT NUMBER: P1306312 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	155.2	148.5	143.5	138.5	132.9	127.3	121.2	115.0	107.2	99.4	89.9
87.5°	2.2	2.2	2.5	2.8	2.8	2.7	2.7	2.7	2.9	3.0	3.3
85°	2.6	2.5	2.9	3.3	3.3	3.3	3.2	3.1	3.5	3.8	3.8
82.5°	3.3	3.2	3.2	3.3	3.7	3.9	3.8	3.7	4.1	4.5	4.3
80°	3.8	4.0	3.8	3.7	4.1	4.5	4.3	4.2	4.6	4.9	4.8
77.5°	4.6	4.7	4.5	4.3	4.4	4.6	4.7	4.7	5.0	5.3	5.4
75°	5.6	5.2	4.7	4.7	4.8	4.7	5.0	5.3	5.7	5.8	5.9
72.5°	5.6	5.6	5.1	5.0	5.7	5.9	5.9	5.9	6.5	6.7	6.6
70°	8.4	6.6	6.2	6.4	6.8	7.2	7.3	7.5	7.3	7.7	7.7
67.5°	13.5	11.2	9.3	8.1	8.1	8.6	8.8	9.3	9.3	8.8	9.0
65°	26.0	18.8	13.2	11.6	10.3	10.2	10.5	11.3	11.4	11.2	10.2
62.5°	37.3	28.9	22.1	16.6	13.9	13.8	12.4	13.7	13.7	13.7	12.4
60°	47.4	38.7	32.0	26.3	21.2	18.7	17.7	16.3	16.7	16.3	15.0
57.5°	47.8	47.1	44.1	37.3	32.5	27.2	24.3	22.2	20.1	19.8	17.8
55°	48.5	49.2	55.1	51.1	46.2	39.0	34.1	30.0	25.2	23.9	20.7
52.5°	58.1	59.7	64.3	67.5	63.8	53.9	48.7	38.5	34.6	28.2	24.8
50°	74.5	80.3	80.8	86.6	83.7	77.2	64.6	54.1	45.0	34.5	29.2
47.5°	116.2	121.4	111.2	113.9	108.7	103.9	88.8	72.9	56.2	44.9	33.8
45°	220.9	190.0	172.2	157.3	143.9	138.3	117.9	93.7	75.4	55.9	38.6
42.5°	357.9	311.7	275.7	209.4	201.7	178.6	153.0	125.5	96.1	67.3	46.5
40°	551.3	462.9	401.8	331.2	273.0	224.2	198.2	161.5	118.1	81.8	56.8
37.5°	733.5	620.5	542.7	456.9	362.8	298.9	248.0	199.9	144.4	102.0	67.3
35°	879.8	767.7	662.3	573.7	478.4	373.8	301.5	243.0	178.3	123.1	78.0
32.5°	1012.6	893.4	773.9	674.1	570.6	446.8	363.8	285.7	212.3	144.9	89.3
30°	1130.3	1016.3	880.1	756.6	646.5	523.2	422.8	325.6	246.4	167.3	102.3
27.5°	1258.6	1143.7	988.0	846.2	713.4	589.7	469.8	362.8	280.5	190.1	119.3
25°	1379.3	1262.4	1108.2	946.8	781.0	642.7	513.7	397.4	312.4	213.2	135.4
22.5°	1460.2	1362.4	1218.5	1053.2	855.5	694.4	556.6	435.0	334.0	234.3	150.5
20°	1525.4	1450.3	1315.9	1133.7	936.5	755.5	599.5	465.4	354.1	253.3	164.6
17.5°	1618.5	1521.3	1385.1	1201.3	1010.8	817.1	640.9	493.9	372.5	270.4	177.7
15°	1847.1	1583.5	1452.3	1264.9	1068.1	869.7	681.2	521.0	389.3	285.5	189.4
12.5°	2084.3	1644.0	1517.4	1320.0	1110.4	914.6	719.9	546.2	404.3	300.9	199.9
10°	2306.8	1696.6	1577.9	1370.3	1147.1	952.4	756.3	573.7	426.7	316.6	209.3
7.5°	2495.1	1744.5	1635.0	1415.8	1180.4	986.5	793.1	608.2	449.3	331.1	217.6
5°	2654.0	1788.6	1690.2	1471.8	1219.7	1018.0	825.5	640.1	470.4	344.2	224.8
2.5°	2762.3	1828.5	1740.0	1524.1	1254.1	1044.2	853.3	669.0	489.8	355.6	230.8
0°	2834.0	1864.8	1782.2	1568.9	1283.0	1065.3	876.6	694.6	507.0	365.1	235.6
-2.5°	2856.6	1902.7	1816.8	1606.9	1329.2	1093.4	893.7	706.5	518.7	375.8	243.6
-5°	2840.5	1937.6	1845.0	1637.2	1367.8	1116.0	906.3	714.5	527.8	384.4	250.3
-7.5°	2792.1	1976.9	1868.6	1659.7	1397.6	1132.3	914.2	718.8	534.3	390.7	255.4
-10°	2709.3	2016.3	1887.4	1668.2	1402.2	1140.7	917.8	719.4	538.3	394.6	259.1
-12.5°	2605.2	2052.3	1899.1	1666.7	1396.6	1142.4	921.0	717.8	539.4	396.1	261.0
-15°	2472.0	2097.8	1914.1	1656.3	1384.3	1138.8	918.2	712.3	536.1	393.8	261.1
-17.5°	2297.4	2140.2	1923.7	1643.0	1367.3	1130.1	908.9	701.7	529.7	387.4	258.8
-20°	2293.0	2158.6	1918.5	1617.4	1343.0	1114.3	893.1	686.0	520.4	378.7	254.4



REPORT NUMBER: P1306312 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2324.9	2151.0	1888.3	1583.4	1313.9	1091.9	872.2	665.5	508.0	367.7	248.5
-25°	2342.5	2136.6	1846.1	1546.8	1284.1	1063.4	847.7	643.9	492.5	354.5	241.0
-27.5°	2314.0	2093.6	1791.1	1498.0	1250.1	1029.6	819.5	628.4	478.4	339.0	231.9
-30°	2265.1	2012.4	1723.7	1441.3	1206.1	990.5	786.1	609.8	462.9	326.4	221.3
-32.5°	2192.2	1925.1	1647.7	1386.9	1156.0	945.4	748.4	587.5	444.9	315.6	214.4
-35°	2077.3	1826.7	1566.1	1325.7	1100.5	899.4	712.3	561.5	424.3	302.1	208.5
-37.5°	1953.3	1713.8	1490.7	1259.2	1042.4	849.2	680.4	534.2	401.3	285.7	201.8
-40°	1823.3	1599.6	1393.7	1187.5	982.5	795.2	644.0	503.3	378.8	266.5	193.7
-42.5°	1687.0	1487.9	1293.4	1103.9	917.3	749.6	603.2	467.6	351.9	252.2	184.2
-45°	1559.6	1370.9	1187.4	1015.5	847.8	698.8	557.9	428.2	322.0	239.7	177.1
-47.5°	1425.5	1249.3	1080.9	921.4	784.4	642.3	507.0	391.7	289.9	225.4	174.3
-50°	1287.5	1125.7	972.4	836.0	710.6	579.5	453.9	352.2	270.7	208.6	170.8
-52.5°	1147.5	1001.3	870.9	751.2	631.0	511.0	404.6	311.3	250.1	199.4	166.7
-55°	1006.2	887.5	774.7	660.2	546.8	447.1	351.5	285.4	228.0	193.2	162.2
-57.5°	885.1	780.0	671.0	563.8	469.4	382.0	311.7	258.1	216.9	186.6	159.1
-60°	764.9	661.7	561.0	476.6	396.2	329.4	280.0	235.5	208.7	179.9	155.2
-62.5°	630.7	541.8	467.0	393.6	337.7	291.2	250.7	224.3	199.6	174.5	150.9
-65°	508.4	440.3	376.6	334.5	292.8	257.7	236.4	212.4	191.4	168.7	146.2
-67.5°	395.6	358.8	321.6	283.8	261.0	241.6	221.4	202.4	183.4	162.3	141.4
-70°	332.7	299.1	277.3	260.2	243.2	225.7	209.9	193.1	175.0	156.2	136.3
-72.5°	287.8	271.7	256.0	240.6	226.9	212.7	198.6	183.5	166.8	149.7	130.9
-75°	263.4	249.9	236.8	224.1	211.7	199.3	187.0	173.4	158.3	142.9	125.1
-77.5°	242.4	230.3	218.7	207.8	197.4	186.8	175.2	162.9	149.3	135.4	118.9
-80°	221.8	211.4	201.9	192.5	183.4	174.1	163.2	152.3	140.1	127.5	112.5
-82.5°	201.7	192.7	184.8	176.7	168.5	160.2	150.9	141.6	130.6	119.4	106.4
-85°	182.4	174.4	167.4	160.3	153.2	146.1	139.0	131.7	122.3	112.8	101.1
-87.5°	166.9	159.9	154.3	148.7	142.7	136.7	130.1	123.4	114.8	106.2	95.6
-90°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.8



REPORT NUMBER: P1306312 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	80.4	67.5	54.7	39.6	24.6	13.9	3.3
87.5°	3.6	3.7	3.7	3.6	3.5	3.6	3.3
85°	3.9	4.1	4.1	3.9	3.7	3.8	3.3
82.5°	4.3	4.4	4.5	4.2	3.9	4.1	3.3
80°	4.6	4.8	4.9	4.5	4.1	4.4	3.3
77.5°	5.2	5.3	5.3	4.8	4.4	4.7	3.3
75°	5.8	5.9	5.7	5.1	4.6	4.9	3.3
72.5°	6.5	6.6	6.3	5.4	4.9	5.2	3.3
70°	7.2	7.2	6.9	5.7	5.2	5.5	3.3
67.5°	8.6	7.9	7.6	6.4	5.5	5.8	3.3
65°	10.1	9.0	8.3	7.0	5.9	6.1	3.3
62.5°	11.6	10.5	9.0	7.7	6.2	6.4	3.3
60°	13.2	12.0	9.8	8.4	6.6	6.7	3.3
57.5°	15.7	13.6	11.2	9.1	7.4	7.0	3.3
55°	18.3	15.3	12.8	9.8	8.2	7.3	3.3
52.5°	20.9	17.1	14.4	10.6	9.0	7.6	3.3
50°	23.6	19.6	16.0	11.3	9.8	7.9	3.3
47.5°	26.6	22.2	17.7	12.2	10.6	8.2	3.3
45°	30.7	24.9	19.4	13.5	11.5	8.5	3.3
42.5°	35.0	27.7	21.1	14.8	12.3	8.8	3.3
40°	39.6	30.5	23.2	16.4	13.2	9.1	3.3
37.5°	44.7	33.5	25.4	18.3	14.1	9.4	3.3
35°	49.8	37.2	27.7	20.1	15.0	9.7	3.3
32.5°	56.3	41.3	29.9	22.0	15.9	10.0	3.3
30°	65.6	45.4	32.2	23.9	16.8	10.4	3.3
27.5°	74.7	49.5	35.1	25.7	17.8	10.7	3.3
25°	83.7	53.6	38.0	27.5	18.7	11.0	3.3
22.5°	92.4	57.7	40.8	29.3	19.6	11.3	3.3
20°	100.9	62.0	43.6	31.1	20.5	11.5	3.3
17.5°	108.8	66.0	46.3	32.9	21.4	11.8	3.3
15°	116.1	69.8	49.0	34.6	22.2	12.1	3.3
12.5°	122.8	73.5	51.5	36.2	23.1	12.3	3.3
10°	128.9	76.9	53.9	37.8	23.9	12.6	3.3
7.5°	134.5	80.1	56.3	39.4	24.7	12.8	3.3
5°	139.5	83.0	58.5	40.8	25.4	13.0	3.3
2.5°	143.8	85.7	60.6	42.2	26.1	13.2	3.3
0°	147.4	88.2	62.5	43.5	26.8	13.4	3.3
-2.5°	152.1	91.9	65.3	45.4	28.0	14.0	3.3
-5°	156.2	95.4	67.9	47.3	29.1	14.5	3.3
-7.5°	159.4	98.5	70.4	49.0	30.2	15.0	3.3
-10°	162.0	101.4	72.7	50.6	31.2	15.5	3.3
-12.5°	163.7	104.0	74.8	52.1	32.2	15.9	3.3
-15°	164.6	106.2	76.7	53.5	33.1	16.4	3.3
-17.5°	164.7	108.2	78.4	54.7	33.9	16.8	3.3
-20°	164.1	109.8	79.9	55.8	34.7	17.1	3.3



REPORT NUMBER: P1306312 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-80-3S-VHE-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	162.8	111.0	81.2	56.8	35.3	17.5	3.3
-25°	160.7	112.1	82.2	57.6	35.9	17.8	3.3
-27.5°	157.7	113.1	83.1	58.3	36.4	18.1	3.3
-30°	153.9	113.6	83.7	58.8	36.9	18.3	3.3
-32.5°	149.2	113.9	84.5	59.2	37.2	18.5	3.3
-35°	147.5	113.9	85.2	59.4	37.5	18.7	3.3
-37.5°	147.0	113.8	85.5	59.5	37.7	18.9	3.3
-40°	146.1	114.0	85.7	59.4	37.8	19.0	3.3
-42.5°	144.9	113.9	85.8	59.2	37.8	19.0	3.3
-45°	143.1	113.6	85.6	59.2	37.8	19.1	3.3
-47.5°	140.7	113.0	85.3	58.9	37.6	19.1	3.3
-50°	139.1	112.1	84.7	58.8	37.4	19.0	3.3
-52.5°	137.4	110.9	83.9	58.5	37.1	19.0	3.3
-55°	135.2	109.3	82.8	58.1	36.7	18.9	3.3
-57.5°	132.7	107.3	81.5	57.6	36.2	18.7	3.3
-60°	129.8	105.1	80.0	56.9	35.7	18.5	3.3
-62.5°	126.8	102.7	78.8	56.1	35.1	18.3	3.3
-65°	123.4	100.0	77.4	55.1	34.5	18.1	3.3
-67.5°	119.8	97.2	75.8	54.0	33.8	17.8	3.3
-70°	115.9	94.5	74.0	52.8	33.0	17.5	3.3
-72.5°	111.8	91.5	72.0	51.5	32.2	17.1	3.3
-75°	107.4	88.3	69.9	50.2	31.3	16.8	3.3
-77.5°	102.7	84.8	67.7	48.7	30.3	16.3	3.3
-80°	97.8	81.5	65.4	47.1	29.3	15.9	3.3
-82.5°	93.6	78.2	62.9	45.4	28.2	15.5	3.3
-85°	89.4	74.8	60.3	43.6	27.0	15.0	3.3
-87.5°	85.0	71.2	57.6	41.6	25.8	14.5	3.3
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3

(END OF REPORT)