

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: P1306280 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680N-40-70-1S-VHE-A**

Issue Date: 2/3/2026

Test Information

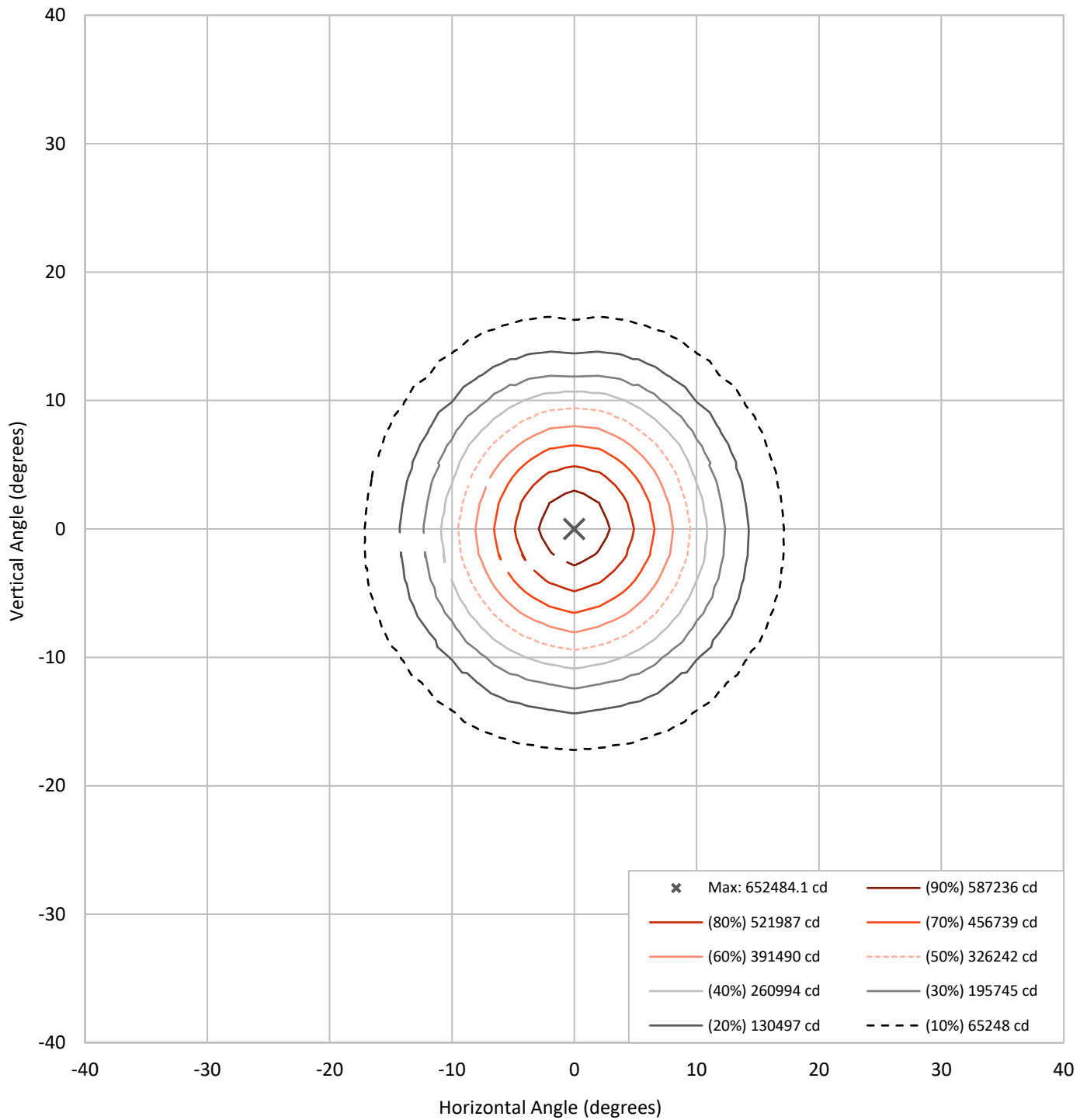
Test Method: LM-79-08
Report Number: P1306280 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2308-133-1)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-08-680N-40-70-1S-VHE-A
Description: EPHEBUS LUMASPORT 8 INTEGRAL LUMINAIRE
(8) 4000K, 70 CRI LEDS AND 1S 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:	86003.7 lumens	Max Intensity:	652484.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	119.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	19°H x 18.9°V	Field Angle (10%):	34°H x 33.3°V
Beam Lumens:	38124 lumens	Field Lumens:	69436.9 lumens
Beam Efficiency:	44.3%	Field Efficiency:	80.7%
Input Watts (W):	718		
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: P1306280 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-680N-40-70-1S-VHE-A

Iso-Candela Plot





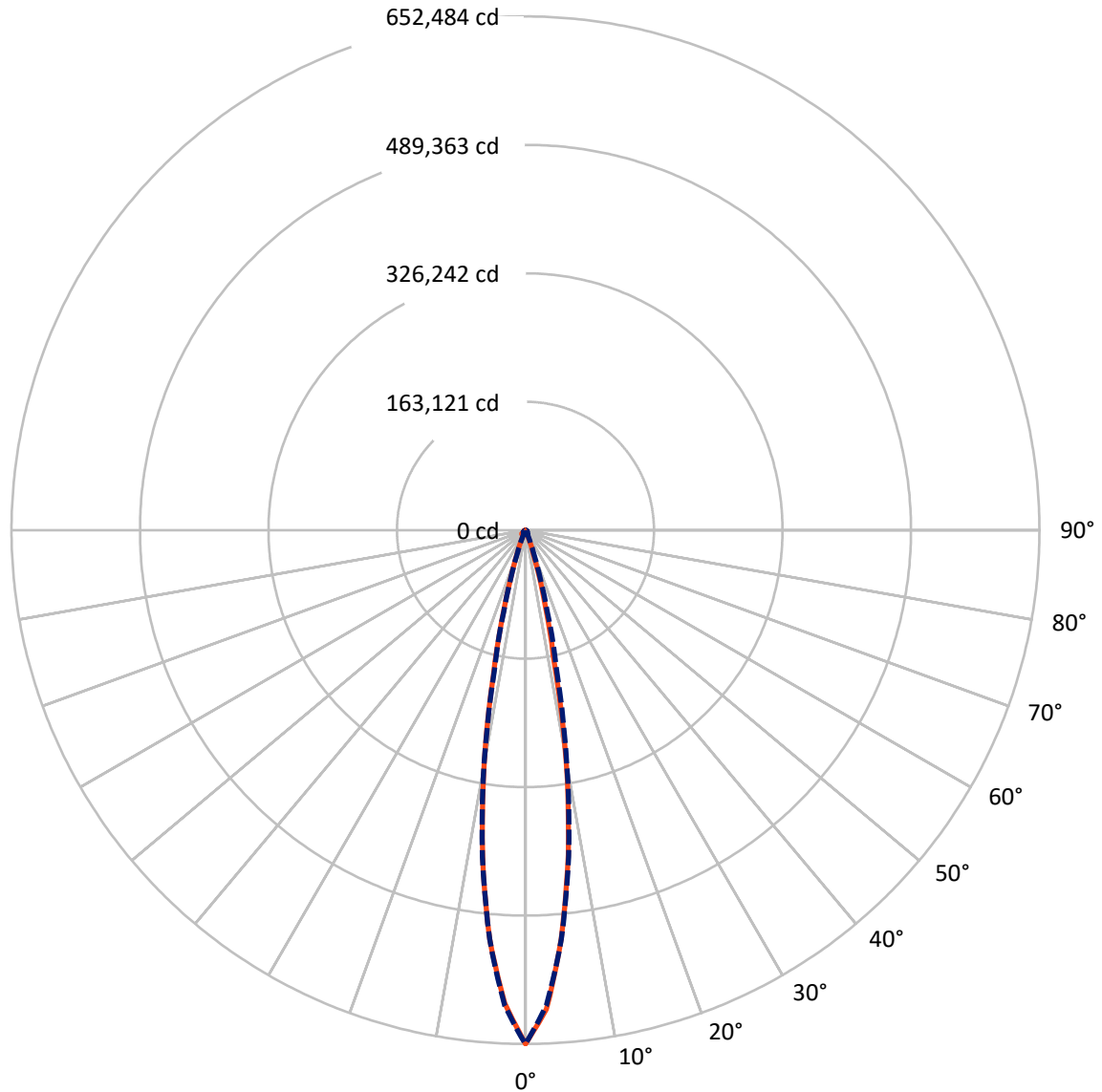
REPORT NUMBER: P1306280 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-1S-VHE-A

Lumen Table

90	0.3	1.2		2.2		3.0		3.3		3.0		2.2		1.2		0.3			
80	0.3	1.2		2.2		3.0		3.3		3.0		2.2		1.2		0.3			
70	0.4	0.2	0.3	0.6	0.7	0.4	0.3	0.3	0.3	0.3	0.4	0.7	0.6	0.3	0.2	0.4			
60		0.5	1.0	1.1	1.0	0.9	1.2	1.3	1.3	1.2	0.9	1.0	1.1	1.0	0.5				
50	1.2	1.5	3.2	6.2	9.7	16.8	25.5	28.2	28.2	25.5	16.8	9.7	6.2	3.2	1.5	1.2			
40		3.3	9.3	16.8	35.2	57.5	64.4	67.6	67.6	64.4	57.5	35.2	16.8	9.3	3.3				
30	2.8	5.5	15.1	31.1	74.0	78.5	95.3	157.7	157.7	95.3	78.5	74.0	31.1	15.1	5.5	2.8			
20		7.5	19.5	55.4	98.0	115.7	720.7	2871.9	2871.9	720.7	115.7	98.0	55.4	19.5	7.5				
10	4.2	9.2	22.8	73.3	109.4	215.9	2911.9	12115.0	12115.0	2911.9	215.9	109.4	73.3	22.8	9.2	4.2			
0		10.3	25.6	78.3	121.6	241.4	3061.3	12056.6	12056.6	3061.3	241.4	121.6	78.3	25.6	10.3				
-10	4.8	10.7	27.4	77.3	134.7	166.0	849.9	3111.8	3111.8	849.9	166.0	134.7	77.3	27.4	10.7	4.8			
-20		10.3	27.7	59.8	137.3	168.1	183.4	284.8	284.8	183.4	168.1	137.3	59.8	27.7	10.3				
-30	4.6	9.3	25.9	47.7	100.6	168.9	189.8	192.0	192.0	189.8	168.9	100.6	47.7	25.9	9.3	4.6			
-40		7.8	21.2	41.7	62.3	94.2	139.5	173.9	173.9	139.5	94.2	62.3	41.7	21.2	7.8				
-50	3.9	6.0	15.4	30.4	48.5	63.2	73.6	80.3	80.3	73.6	63.2	48.5	30.4	15.4	6.0	3.9			
-60		4.8	10.1	18.5	29.3	39.3	48.0	53.7	53.7	48.0	39.3	29.3	18.5	10.1	4.8				
-70	2.7	6.0	15.4	30.4	48.5	63.2	73.6	80.3	80.3	73.6	63.2	48.5	30.4	15.4	6.0	2.7			
-80		4.8	10.1	18.5	29.3	39.3	48.0	53.7	53.7	48.0	39.3	29.3	18.5	10.1	4.8				
-90	2.7	18.1		43.3		68.1		81.3		68.1		43.3		18.1		2.7			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P1306280 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-08-680N-40-70-1S-VHE-A

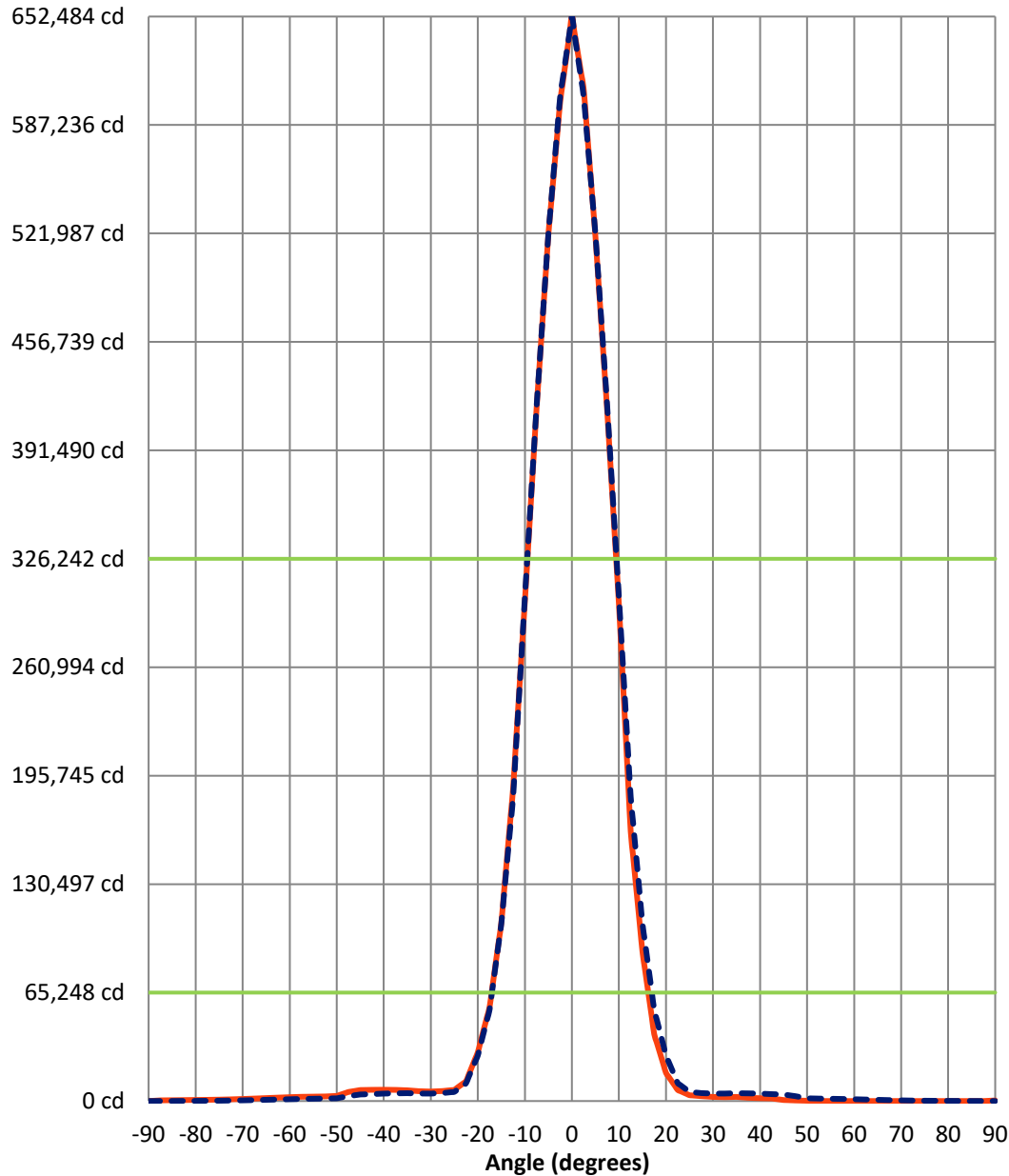
Luminous Intensity Polar Plot



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

REPORT NUMBER: P1306280 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-1S-VHE-A

Luminous Intensity Plot



Beam:
 H Angle: 19°
 V Angle: 18.9°
 Lumens: 38124
 Efficiency: 44.3%

Field:
 H Angle: 34°
 V Angle: 33.3°
 Lumens: 69436.9
 Efficiency: 80.7%

Spill:
 Lumens: 16566.8
 Efficiency: 19.3%

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

REPORT NUMBER: P1306280 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-1S-VHE-A

FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	9.3	24.9	40.5	60.7	81.0	101.2	121.5	135.9	150.3	164.7	179.1
87.5°	9.3	8.0	6.5	6.5	6.5	6.4	6.2	6.2	6.2	6.2	6.2
85°	9.3	8.3	6.8	6.8	6.7	6.5	6.2	6.2	6.2	6.2	6.2
82.5°	9.3	8.6	7.0	7.1	7.0	6.7	6.2	6.2	6.2	6.3	6.2
80°	9.3	8.9	7.4	7.4	7.3	6.9	6.4	6.7	6.8	6.7	6.3
77.5°	9.3	9.2	7.7	7.7	7.6	7.4	7.2	7.4	7.4	7.0	6.5
75°	9.3	9.4	8.0	8.1	8.0	8.5	8.2	8.2	8.1	8.0	7.4
72.5°	9.3	9.7	8.4	8.4	9.2	9.6	9.2	9.2	9.6	9.3	8.4
70°	9.3	10.0	8.8	8.9	10.3	10.8	10.3	10.9	11.2	10.8	10.2
67.5°	9.3	10.4	9.2	9.9	11.5	12.0	12.4	12.6	12.9	13.3	12.3
65°	9.3	10.7	9.6	10.9	12.7	13.7	14.5	14.4	15.8	16.0	15.1
62.5°	9.3	11.0	10.1	12.0	13.9	16.0	16.8	17.1	18.8	19.2	19.1
60°	9.3	11.3	10.6	13.0	15.2	18.4	19.3	20.3	22.1	23.7	23.5
57.5°	9.3	11.6	11.6	14.1	17.3	20.9	23.1	23.8	26.5	28.5	31.1
55°	9.3	11.9	12.7	15.2	19.6	23.4	27.3	28.1	31.4	34.7	40.8
52.5°	9.3	12.3	13.8	16.2	21.9	26.3	31.7	34.0	36.5	45.1	51.4
50°	9.3	12.6	15.0	17.3	24.2	30.4	36.4	40.5	43.4	56.3	68.3
47.5°	9.3	12.9	16.2	18.6	26.5	34.7	41.5	47.5	54.3	68.1	87.1
45°	9.3	13.3	17.4	20.4	28.9	39.0	48.0	55.0	67.8	86.4	107.1
42.5°	9.3	13.6	18.7	22.2	31.3	43.5	54.9	65.5	81.9	105.7	136.9
40°	9.3	14.0	20.0	24.6	34.3	48.1	62.0	78.2	98.4	126.1	170.4
37.5°	9.3	14.3	21.3	27.3	37.9	52.8	69.4	91.2	119.0	152.4	206.1
35°	9.3	14.6	22.7	30.1	41.5	58.4	77.0	104.5	140.0	185.5	246.3
32.5°	9.3	15.0	24.0	33.0	45.1	64.4	85.7	117.9	161.4	217.9	288.2
30°	9.3	15.3	25.4	35.9	48.6	70.5	96.6	132.6	183.1	249.6	328.3
27.5°	9.3	15.6	26.8	38.8	53.6	76.5	107.5	150.4	206.8	280.5	366.5
25°	9.3	16.0	28.2	41.7	58.8	82.6	118.3	168.0	232.7	312.2	403.2
22.5°	9.3	16.3	29.5	44.7	63.9	89.0	128.9	185.5	257.7	343.3	443.4
20°	9.3	16.6	30.9	47.6	69.0	96.4	139.3	202.6	281.7	372.6	481.5
17.5°	9.3	16.9	32.3	50.5	74.0	103.5	149.7	219.3	304.5	400.1	517.2
15°	9.3	17.2	33.6	53.3	78.8	110.4	159.8	234.6	326.1	425.6	550.4
12.5°	9.3	17.5	34.9	56.1	83.5	117.0	169.3	248.0	345.7	449.2	581.1
10°	9.3	17.7	36.1	58.8	88.1	123.2	178.1	260.3	363.5	475.0	612.7
7.5°	9.3	18.0	37.3	61.4	92.5	129.1	186.4	271.4	380.1	500.2	649.5
5°	9.3	18.3	38.4	63.9	96.7	134.7	194.0	281.3	395.3	523.9	684.1
2.5°	9.3	18.5	39.5	66.3	100.6	140.0	200.9	290.0	408.8	545.8	715.9
0°	9.3	18.7	40.5	68.5	104.3	144.8	207.1	297.5	420.5	565.4	744.5
-2.5°	9.3	19.6	42.7	72.1	109.0	150.8	214.5	307.7	434.2	580.5	760.5
-5°	9.3	20.5	44.8	75.5	113.4	156.4	221.1	316.5	445.9	593.0	772.8
-7.5°	9.3	21.4	46.8	78.8	117.5	161.6	226.9	323.9	455.3	602.9	781.5
-10°	9.3	22.2	48.7	81.9	121.3	166.4	232.0	329.8	462.4	610.1	786.6
-12.5°	9.3	23.0	50.5	84.7	124.8	170.6	236.2	334.1	467.0	614.9	791.9
-15°	9.3	23.8	52.2	87.3	128.0	174.5	239.6	336.7	469.6	619.3	794.9
-17.5°	9.3	24.5	53.7	89.7	130.9	177.8	242.2	338.7	470.5	620.5	793.7
-20°	9.3	25.2	55.1	91.9	133.5	180.7	244.4	339.6	468.9	618.7	788.0



REPORT NUMBER: P1306280 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	9.3	25.9	56.3	93.8	135.8	183.0	246.4	338.7	464.7	613.5	777.8
-25°	9.3	26.5	57.4	95.5	137.8	185.3	247.5	335.9	457.9	605.2	763.2
-27.5°	9.3	27.1	58.4	96.9	139.4	187.1	247.4	331.2	448.6	594.2	750.8
-30°	9.3	27.6	59.1	98.0	140.8	188.4	246.3	324.4	439.9	581.2	734.8
-32.5°	9.3	28.1	59.7	98.9	141.9	189.1	244.2	320.8	430.6	565.3	715.1
-35°	9.3	28.5	60.2	99.5	142.6	189.2	243.4	317.3	418.9	546.4	691.6
-37.5°	9.3	28.9	60.4	99.8	142.9	189.0	242.9	312.4	404.8	524.5	667.4
-40°	9.3	29.2	60.5	99.8	142.9	189.0	241.6	306.2	388.2	504.2	639.7
-42.5°	9.3	29.5	60.5	99.6	142.4	188.4	239.6	298.7	376.3	482.3	607.5
-45°	9.3	29.7	60.2	99.0	141.7	187.3	236.8	292.1	366.0	457.4	572.2
-47.5°	9.3	29.8	59.8	98.2	140.6	185.6	233.3	287.9	354.1	430.0	540.8
-50°	9.3	30.0	59.2	97.2	139.0	183.4	230.3	282.7	339.6	413.2	506.2
-52.5°	9.3	30.0	58.4	95.9	137.1	180.7	226.9	276.7	329.2	394.3	470.2
-55°	9.3	30.0	57.4	94.4	134.7	177.6	222.8	269.9	320.2	373.5	446.0
-57.5°	9.3	30.0	56.3	92.6	132.0	174.0	218.1	264.1	310.2	359.5	419.6
-60°	9.3	29.8	55.1	90.6	128.9	169.8	212.8	257.1	299.8	346.9	395.7
-62.5°	9.3	29.7	54.5	88.3	125.6	165.2	206.8	249.2	290.3	333.4	380.2
-65°	9.3	29.5	53.8	85.8	121.9	160.1	200.3	240.6	280.1	320.8	363.6
-67.5°	9.3	29.2	53.0	83.0	117.9	154.6	193.3	231.3	269.1	307.9	347.9
-70°	9.3	28.9	52.0	80.0	113.6	148.8	185.6	221.3	257.0	294.1	331.9
-72.5°	9.3	28.6	50.9	78.0	108.9	142.5	177.5	210.7	244.1	278.9	314.9
-75°	9.3	28.2	49.7	76.0	104.0	135.8	168.9	199.6	230.7	262.9	296.1
-77.5°	9.3	27.7	48.4	73.8	100.4	128.8	159.9	187.9	216.4	246.0	276.6
-80°	9.3	27.2	47.0	71.5	96.9	123.1	150.4	175.7	201.5	228.2	255.8
-82.5°	9.3	26.7	45.5	69.0	93.2	118.0	143.3	164.4	186.2	209.9	234.3
-85°	9.3	26.1	43.9	66.4	89.3	112.6	136.3	155.2	174.3	194.0	214.1
-87.5°	9.3	25.5	42.2	63.6	85.2	107.1	129.0	145.6	162.4	179.5	196.8
-90°	9.3	7.8	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2



REPORT NUMBER: P1306280 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	192.7	206.4	220.0	233.6	243.7	253.9	264.0	274.1	282.7	291.3	299.8
87.5°	5.8	5.5	5.1	4.7	4.7	4.7	4.7	4.7	4.3	3.9	3.5
85°	5.8	5.5	5.1	4.7	4.7	4.7	4.7	4.7	4.3	3.9	3.5
82.5°	5.9	5.5	5.1	4.7	4.7	4.7	4.7	4.7	4.4	4.2	4.0
80°	5.9	5.5	5.4	5.2	5.2	5.2	5.0	4.8	4.7	4.7	4.8
77.5°	6.4	6.3	6.2	6.1	5.9	5.7	5.5	5.5	5.5	5.4	5.2
75°	7.1	7.1	7.0	6.5	6.1	6.1	6.2	6.2	6.0	5.6	5.2
72.5°	8.1	8.1	7.6	6.8	6.5	6.7	6.6	6.4	6.8	7.7	8.5
70°	9.4	9.1	8.9	8.2	7.4	7.8	9.0	10.2	11.4	13.3	16.0
67.5°	11.0	11.4	11.1	10.3	10.2	11.7	13.2	18.1	23.6	26.5	27.7
65°	13.8	14.1	14.8	15.0	14.1	18.4	24.1	30.5	36.6	37.8	36.8
62.5°	17.2	18.9	20.2	21.4	23.0	27.4	33.9	40.5	47.1	45.2	38.9
60°	23.8	24.8	28.4	31.9	33.2	35.6	42.7	46.4	48.4	47.2	36.7
57.5°	31.9	33.7	39.7	43.9	45.2	42.5	45.1	47.4	47.2	41.6	31.8
55°	43.3	45.5	53.0	58.4	58.2	47.9	47.3	49.5	46.0	40.4	31.4
52.5°	59.6	60.9	69.2	75.1	73.0	62.4	54.8	58.3	57.8	50.5	42.9
50°	77.6	84.5	87.6	95.9	95.4	86.7	72.4	79.6	92.1	89.9	79.1
47.5°	103.1	112.1	112.5	122.5	127.0	134.5	122.3	137.5	156.1	194.2	182.1
45°	133.7	148.6	149.8	159.0	182.5	210.8	222.2	221.3	315.4	349.3	374.0
42.5°	167.5	191.4	201.5	200.8	276.4	319.4	343.7	421.5	493.0	514.6	526.2
40°	210.3	239.1	260.9	309.7	388.0	447.4	508.8	591.8	630.8	634.6	634.8
37.5°	257.3	299.2	334.4	417.4	517.3	583.3	659.6	695.3	722.3	723.9	754.5
35°	307.6	363.9	429.1	521.7	631.8	706.6	750.8	783.0	797.8	831.7	980.6
32.5°	365.4	433.2	518.3	621.5	726.5	802.8	829.2	857.0	892.9	993.5	1430.8
30°	423.6	511.3	603.1	714.1	820.6	874.3	902.1	937.1	993.4	1385.9	1991.7
27.5°	472.9	584.4	684.6	800.4	909.1	946.3	978.5	1030.8	1270.4	1821.0	2662.7
25°	520.2	642.5	760.0	885.5	975.5	1016.6	1057.1	1128.0	1595.7	2468.2	3042.7
22.5°	567.5	701.2	828.4	969.7	1041.6	1084.3	1146.5	1411.7	2065.9	3114.8	3384.8
20°	616.0	759.9	896.3	1037.7	1105.2	1149.6	1235.0	1733.1	2640.4	3390.7	3640.8
17.5°	663.6	816.5	960.1	1085.6	1155.6	1218.5	1353.7	2056.2	3157.7	3663.0	3837.1
15°	709.8	870.6	1018.1	1132.0	1206.0	1292.7	1632.6	2486.0	3493.2	3907.3	4072.7
12.5°	754.1	921.9	1070.6	1176.5	1256.2	1366.3	1924.5	2910.9	3717.9	4099.8	4258.1
10°	796.0	970.0	1117.6	1219.0	1305.9	1438.3	2218.7	3269.6	3903.3	4229.8	4350.6
7.5°	835.6	1011.7	1159.6	1259.2	1354.3	1507.6	2504.1	3565.5	4049.5	4340.1	4414.5
5°	870.1	1045.6	1198.5	1302.5	1403.0	1568.9	2748.5	3802.3	4163.0	4432.0	4480.5
2.5°	899.9	1074.9	1233.6	1344.2	1450.0	1617.9	2866.7	3898.4	4177.4	4472.5	4549.0
0°	925.1	1099.6	1264.6	1383.0	1493.6	1660.2	2934.2	3948.1	4159.9	4483.9	4620.9
-2.5°	945.7	1133.2	1308.8	1423.8	1535.4	1700.3	2929.2	3986.6	4203.7	4587.0	4897.2
-5°	962.0	1161.5	1347.7	1461.7	1573.6	1734.7	2876.7	3975.5	4263.4	4678.2	5067.5
-7.5°	973.6	1183.5	1380.6	1497.3	1611.2	1773.9	2839.1	4023.2	4437.2	4786.6	5136.5
-10°	981.4	1198.2	1400.6	1530.6	1649.2	1812.7	2758.2	4003.2	4599.6	4895.1	5202.7
-12.5°	990.4	1206.4	1413.5	1559.6	1682.2	1843.3	2615.5	3907.6	4750.0	5012.2	5267.5
-15°	994.1	1209.2	1420.3	1583.9	1710.0	1865.1	2408.2	3730.6	4850.5	5075.8	5309.0
-17.5°	992.4	1206.5	1420.9	1603.4	1732.3	1877.7	2134.5	3402.7	4692.6	5100.8	5347.5
-20°	985.1	1198.5	1415.2	1617.8	1749.2	1893.3	2090.4	3025.8	4261.4	5082.1	5375.1



REPORT NUMBER: P1306280 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	972.3	1185.3	1402.1	1609.7	1767.8	1913.2	2092.6	2634.9	3752.6	5018.8	5377.2
-25°	955.6	1166.5	1381.7	1601.1	1784.3	1926.6	2086.2	2293.5	3248.8	4471.3	5323.5
-27.5°	935.4	1141.2	1361.8	1584.6	1797.5	1935.4	2087.7	2277.3	2804.4	3838.9	5118.8
-30°	910.1	1112.9	1333.8	1558.9	1779.0	1944.7	2088.2	2239.8	2434.4	3268.3	4371.6
-32.5°	881.4	1078.4	1297.0	1520.9	1744.6	1951.0	2076.1	2213.4	2380.7	2680.3	3622.7
-35°	852.5	1043.0	1252.0	1473.9	1701.0	1913.7	2065.8	2188.7	2325.9	2508.1	2938.3
-37.5°	824.4	1001.5	1199.3	1417.7	1640.5	1846.8	2046.7	2168.1	2293.8	2422.1	2601.0
-40°	791.2	954.2	1145.6	1352.2	1561.8	1767.5	1965.8	2147.2	2262.7	2373.8	2489.8
-42.5°	753.4	912.0	1087.6	1276.4	1474.3	1674.1	1875.5	2066.2	2228.3	2327.8	2433.6
-45°	712.5	864.5	1025.3	1199.3	1379.0	1572.2	1766.3	1960.7	2134.0	2288.9	2383.5
-47.5°	666.6	812.0	965.8	1116.2	1283.7	1461.5	1648.5	1831.4	2009.9	2174.6	2335.5
-50°	618.8	754.9	896.8	1037.3	1186.8	1349.2	1521.1	1694.4	1865.7	2033.3	2191.5
-52.5°	576.2	692.4	823.4	956.9	1092.9	1237.6	1390.4	1547.2	1711.3	1874.3	2021.4
-55°	530.1	636.0	745.4	871.2	1000.3	1130.6	1258.2	1399.6	1546.1	1699.6	1837.0
-57.5°	492.8	577.7	673.6	780.4	901.4	1023.8	1136.3	1250.1	1380.4	1516.6	1635.9
-60°	459.9	526.9	604.9	697.5	796.9	907.5	1013.4	1118.4	1223.7	1327.6	1440.4
-62.5°	428.0	486.2	547.3	617.5	705.4	790.4	883.7	980.8	1077.8	1171.0	1261.2
-65°	408.6	449.3	501.3	558.7	616.0	690.0	765.5	840.1	925.8	1010.0	1092.5
-67.5°	387.8	426.1	464.9	507.2	559.8	608.4	656.7	724.1	790.9	854.1	919.0
-70°	368.3	402.4	438.3	474.9	510.4	546.3	590.5	634.2	677.2	723.6	779.4
-72.5°	348.3	379.8	412.0	444.9	476.8	506.6	536.5	566.5	601.5	639.4	676.2
-75°	326.7	356.2	385.8	415.8	443.5	469.8	496.6	523.8	550.4	576.8	603.3
-77.5°	303.8	330.5	357.7	385.3	409.8	433.1	456.6	480.4	503.7	526.8	549.7
-80°	280.0	304.0	328.2	352.7	373.9	394.4	415.1	435.9	456.4	476.7	496.8
-82.5°	255.2	276.2	297.5	319.0	337.1	354.7	372.3	389.9	407.2	424.5	441.8
-85°	231.1	247.9	266.0	284.2	299.4	314.4	329.4	344.3	358.7	373.1	387.3
-87.5°	212.0	227.3	242.5	257.6	269.5	281.3	293.1	304.8	315.9	326.9	338.0
-90°	5.8	5.5	5.1	4.7	4.7	4.7	4.7	4.7	4.3	3.9	3.5



REPORT NUMBER: P1306280 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	308.4	314.2	320.1	325.9	331.7	336.8	341.9	346.9	352.0	355.1	358.2
87.5°	3.1	3.0	3.0	3.0	3.0	2.6	2.3	2.0	1.6	1.6	1.6
85°	3.1	3.1	3.1	3.1	3.1	2.7	2.4	2.0	1.6	1.6	1.6
82.5°	3.8	3.8	3.6	3.4	3.1	3.0	3.0	2.9	2.9	3.0	3.0
80°	4.7	4.4	4.0	3.6	3.2	3.1	3.1	3.1	3.1	3.1	3.1
77.5°	4.8	4.4	4.0	3.6	3.2	3.1	3.1	3.1	3.1	3.1	3.1
75°	4.8	4.7	4.9	4.9	4.6	4.6	4.6	4.6	4.4	4.2	3.9
72.5°	9.3	9.6	9.5	9.8	9.8	10.1	10.5	10.7	10.8	10.9	10.9
70°	17.5	18.1	18.5	18.3	17.3	16.4	16.0	15.5	15.0	15.4	16.3
67.5°	26.7	24.8	23.9	22.5	20.1	17.9	16.7	15.4	14.0	13.3	13.1
65°	33.0	26.1	22.7	20.1	18.1	15.7	13.6	11.7	10.0	9.0	8.6
62.5°	31.4	22.4	17.7	14.9	12.4	10.3	8.5	7.2	6.2	5.7	5.7
60°	26.8	17.5	12.3	9.9	7.5	5.0	4.6	4.4	4.0	3.7	4.0
57.5°	23.9	15.7	9.6	9.4	8.1	5.9	5.1	5.1	4.3	3.1	3.6
55°	26.7	22.6	15.7	16.1	15.7	13.2	11.3	13.5	13.0	10.1	11.1
52.5°	40.1	46.0	37.5	34.8	47.5	47.1	36.8	50.3	57.8	56.6	57.7
50°	94.4	106.6	119.5	109.4	134.3	149.2	145.9	163.5	181.5	181.2	186.8
47.5°	223.6	257.3	261.0	267.7	296.2	332.3	361.8	382.5	393.1	388.7	391.8
45°	400.1	407.7	425.1	463.9	512.3	570.5	614.9	640.7	727.6	789.3	825.4
42.5°	530.3	554.0	596.8	699.0	773.8	945.7	1153.8	1234.4	1336.7	1388.6	1391.8
40°	660.8	721.2	898.1	1084.1	1488.0	1788.3	1806.3	1933.7	1992.3	1927.7	1918.0
37.5°	876.6	1100.6	1404.6	1834.5	2022.3	2104.0	2148.9	2165.1	2176.9	2166.1	2160.6
35°	1301.7	1691.4	1989.8	2129.9	2214.9	2217.5	2228.0	2226.5	2212.7	2205.3	2189.9
32.5°	1928.6	2300.3	2309.4	2298.5	2316.3	2306.2	2286.7	2277.6	2247.5	2229.3	2235.4
30°	2575.1	2577.2	2540.4	2455.3	2412.7	2399.6	2371.4	2348.2	2319.6	2323.8	2423.3
27.5°	2831.5	2800.1	2748.8	2675.3	2532.5	2504.5	2481.9	2472.2	2591.7	2700.9	2798.3
25°	3118.6	3037.1	3009.0	2944.8	2798.0	2635.4	2706.9	2819.4	2975.6	3138.4	3295.3
22.5°	3366.7	3308.0	3289.8	3266.0	3026.3	2956.3	3054.4	3239.3	3452.8	3735.5	4542.9
20°	3611.4	3547.9	3527.0	3407.4	3281.8	3299.1	3481.3	3803.8	4400.9	6546.2	9166.0
17.5°	3817.0	3751.2	3680.2	3540.6	3500.7	3675.5	4040.0	5172.8	7990.8	15032.6	22189.6
15°	4008.6	3922.2	3801.4	3709.8	3785.5	4111.1	5014.0	8873.4	18001.7	29821.3	44723.8
12.5°	4178.9	4046.7	3877.5	3830.0	4060.3	4608.7	8149.8	17411.9	31375.2	48213.7	83199.2
10°	4297.3	4126.0	3978.5	4060.4	4426.5	5898.6	11727.8	26104.5	46761.6	84423.4	127979.3
7.5°	4348.3	4193.2	4107.3	4283.3	4772.2	7575.2	17654.9	36102.6	66045.6	116687.5	186182.1
5°	4406.0	4298.9	4251.0	4504.0	5105.1	8941.1	21917.5	44516.5	86667.3	146990.3	236481.9
2.5°	4522.6	4420.6	4387.3	4697.6	5396.3	10214.7	25248.5	51057.7	100329.6	172276.3	281118.5
0°	4728.4	4516.6	4490.1	4793.8	5513.3	10794.6	27434.3	55002.5	106827.8	183095.6	303080.6
-2.5°	4891.8	4639.5	4589.0	4859.9	5564.9	10510.5	27212.6	54866.5	104176.7	179479.4	289133.7
-5°	5034.5	4781.3	4711.7	4963.3	5678.1	10499.9	25770.9	50343.2	93219.0	157711.7	243670.1
-7.5°	5161.4	4942.5	4839.4	5039.7	5693.0	9403.0	20844.4	41448.2	74512.3	123132.5	188598.0
-10°	5295.2	5127.1	4986.7	5120.7	5629.7	7481.5	13944.8	29877.5	53064.6	89294.2	134215.7
-12.5°	5448.1	5363.4	5157.0	5176.5	5544.2	6313.3	10306.6	20858.9	36840.8	56249.6	88811.5
-15°	5577.8	5573.9	5401.2	5346.3	5529.0	6022.3	7190.6	11583.6	22347.5	36158.4	52266.2
-17.5°	5604.9	5742.9	5676.7	5508.9	5519.7	5796.2	6277.8	7676.3	11225.4	19895.2	29479.1
-20°	5622.3	5917.2	5924.0	5787.8	5668.4	5637.5	5857.6	6265.6	7058.6	9988.4	13844.8



REPORT NUMBER: P1306280 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5648.9	5929.1	6128.5	6090.9	5856.4	5719.3	5670.0	5824.5	6092.9	6470.9	7722.2
-25°	5661.6	5923.1	6208.5	6286.8	6188.5	5937.5	5749.8	5645.0	5739.9	5859.9	6104.6
-27.5°	5607.6	5913.8	6190.5	6422.4	6450.6	6286.5	6010.6	5786.7	5699.7	5617.3	5718.1
-30°	5517.9	5859.9	6149.2	6434.6	6548.7	6496.2	6351.8	6170.0	5957.9	5792.9	5735.0
-32.5°	4783.2	5779.3	6075.6	6322.9	6511.2	6565.0	6566.5	6469.1	6378.5	6251.2	6102.3
-35°	3940.8	5045.6	6009.9	6134.4	6307.0	6485.3	6617.6	6622.1	6611.5	6551.2	6488.5
-37.5°	3063.4	4093.0	5020.3	5762.6	6023.7	6233.5	6460.2	6613.3	6709.6	6692.2	6680.7
-40°	2667.1	2991.5	3859.1	4615.8	5250.7	5848.0	6093.6	6368.8	6590.1	6667.2	6719.2
-42.5°	2544.6	2683.5	2824.7	3398.1	4052.2	4627.5	5168.5	5684.3	6145.0	6406.0	6587.7
-45°	2477.5	2554.7	2641.2	2768.9	2879.3	3355.7	3840.5	4311.3	4886.0	5415.0	5873.8
-47.5°	2415.4	2475.8	2542.8	2608.5	2669.7	2756.3	2831.2	2964.9	3395.4	3829.4	4264.9
-50°	2315.4	2415.2	2470.7	2519.8	2563.1	2603.3	2637.9	2698.3	2769.8	2832.1	2895.0
-52.5°	2148.2	2260.5	2367.2	2448.1	2482.1	2515.4	2549.6	2595.3	2637.6	2676.3	2706.0
-55°	1960.7	2074.5	2182.0	2264.0	2337.5	2405.2	2465.5	2506.0	2545.5	2583.6	2612.5
-57.5°	1754.5	1870.5	1975.8	2054.3	2127.8	2196.1	2262.5	2326.2	2384.6	2437.3	2482.1
-60°	1545.8	1643.7	1738.8	1821.8	1897.6	1966.0	2031.6	2094.4	2151.8	2203.5	2248.4
-62.5°	1349.8	1440.5	1515.6	1583.6	1648.8	1711.9	1778.3	1839.5	1895.0	1945.8	1992.3
-65°	1173.0	1251.2	1308.1	1361.2	1411.5	1465.7	1524.1	1578.0	1627.1	1672.7	1714.7
-67.5°	991.2	1058.9	1108.9	1154.9	1197.8	1241.0	1287.7	1331.2	1371.3	1409.7	1445.6
-70°	833.3	880.5	915.4	950.7	988.9	1027.7	1068.0	1104.6	1137.6	1169.0	1197.9
-72.5°	711.9	741.0	765.4	795.6	822.8	851.9	881.7	909.3	934.7	959.2	982.3
-75°	629.8	651.1	671.1	689.8	707.2	728.0	749.5	769.8	789.0	806.9	823.9
-77.5°	572.6	589.2	602.9	616.0	628.3	644.4	661.3	677.7	693.6	707.2	719.7
-80°	516.8	530.1	541.8	553.1	564.0	577.9	592.0	605.8	619.2	631.5	643.2
-82.5°	458.9	469.8	479.7	489.4	498.7	510.5	522.2	533.5	544.5	554.6	564.4
-85°	401.4	409.7	417.5	425.0	432.4	441.9	451.4	460.7	469.8	476.4	482.8
-87.5°	349.1	355.2	361.1	366.9	372.6	379.5	386.4	393.3	400.1	404.5	408.8
-90°	3.1	2.7	2.4	2.0	1.6	1.6	1.6	1.6	1.6	1.6	1.6



REPORT NUMBER: P1306280 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	361.3	364.4	363.7	362.9	363.7	364.4	361.3	358.2	355.1	352.0	346.9
87.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0
85°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	2.0
82.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	2.9	2.9
80°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
77.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
75°	3.5	3.1	3.1	3.1	3.1	3.1	3.5	3.9	4.2	4.4	4.6
72.5°	10.9	10.7	10.8	10.9	10.8	10.7	10.9	10.9	10.9	10.8	10.7
70°	17.3	18.4	18.6	18.7	18.6	18.4	17.3	16.3	15.4	15.0	15.5
67.5°	12.9	12.7	11.8	10.9	11.8	12.7	12.9	13.1	13.3	14.0	15.4
65°	8.2	8.0	7.8	7.8	7.8	8.0	8.2	8.6	9.0	10.0	11.7
62.5°	5.9	6.2	6.2	6.2	6.2	6.2	5.9	5.7	5.7	6.2	7.2
60°	4.3	4.7	4.7	4.7	4.7	4.7	4.3	4.0	3.7	4.0	4.4
57.5°	4.1	4.6	4.7	4.7	4.7	4.6	4.1	3.6	3.1	4.3	5.1
55°	11.9	12.2	11.8	10.9	11.8	12.2	11.9	11.1	10.1	13.0	13.5
52.5°	56.8	52.4	45.6	37.4	45.6	52.4	56.8	57.7	56.6	57.8	50.3
50°	197.7	202.9	198.3	183.8	198.3	202.9	197.7	186.8	181.2	181.5	163.5
47.5°	407.1	411.6	397.4	364.4	397.4	411.6	407.1	391.8	388.7	393.1	382.5
45°	852.3	845.7	772.3	619.9	772.3	845.7	852.3	825.4	789.3	727.6	640.7
42.5°	1469.8	1535.3	1573.9	1574.6	1573.9	1535.3	1469.8	1391.8	1388.6	1336.7	1234.4
40°	1902.4	1825.6	1741.8	1728.8	1741.8	1825.6	1902.4	1918.0	1927.7	1992.3	1933.7
37.5°	2147.4	2163.6	2154.3	1973.3	2154.3	2163.6	2147.4	2160.6	2166.1	2176.9	2165.1
35°	2225.5	2347.1	2472.4	2498.1	2472.4	2347.1	2225.5	2189.9	2205.3	2212.7	2226.5
32.5°	2263.2	2304.9	2316.3	2320.6	2316.3	2304.9	2263.2	2235.4	2229.3	2247.5	2277.6
30°	2469.2	2496.5	2492.5	2487.2	2492.5	2496.5	2469.2	2423.3	2323.8	2319.6	2348.2
27.5°	2844.3	2889.4	2909.6	2923.3	2909.6	2889.4	2844.3	2798.3	2700.9	2591.7	2472.2
25°	3381.2	3450.2	3497.5	3518.3	3497.5	3450.2	3381.2	3295.3	3138.4	2975.6	2819.4
22.5°	5475.4	5953.1	6426.0	6670.5	6426.0	5953.1	5475.4	4542.9	3735.5	3452.8	3239.3
20°	13668.7	15733.1	16675.9	16951.2	16675.9	15733.1	13668.7	9166.0	6546.2	4400.9	3803.8
17.5°	31831.4	39657.0	44891.1	40304.9	44891.1	39657.0	31831.4	22189.6	15032.6	7990.8	5172.8
15°	65151.7	84970.9	96061.2	89820.6	96061.2	84970.9	65151.7	44723.8	29821.3	18001.7	8873.4
12.5°	117384.7	148315.6	169089.9	162239.2	169089.9	148315.6	117384.7	83199.2	48213.7	31375.2	17411.9
10°	184761.0	246958.1	288372.7	298610.8	288372.7	246958.1	184761.0	127979.3	84423.4	46761.6	26104.5
7.5°	268123.5	345132.1	405918.6	415326.8	405918.6	345132.1	268123.5	186182.1	116687.5	66045.6	36102.6
5°	349676.7	440575.3	503822.5	520242.0	503822.5	440575.3	349676.7	236481.9	146990.3	86667.3	44516.5
2.5°	400294.6	499230.3	575414.9	608972.4	575414.9	499230.3	400294.6	281118.5	172276.3	100329.6	51057.7
0°	418361.5	521687.3	604347.6	652484.1	604347.6	521687.3	418361.5	303080.6	183095.6	106827.8	55002.5
-2.5°	404353.9	497925.1	567705.1	601168.1	567705.1	497925.1	404353.9	289133.7	179479.4	104176.7	54866.5
-5°	344395.3	437365.1	494139.3	521397.6	494139.3	437365.1	344395.3	243670.1	157711.7	93219.0	50343.2
-7.5°	269114.3	343525.2	392551.0	417349.8	392551.0	343525.2	269114.3	188598.0	123132.5	74512.3	41448.2
-10°	188299.2	247334.5	280381.9	300616.7	280381.9	247334.5	188299.2	134215.7	89294.2	53064.6	29877.5
-12.5°	122516.7	156878.8	175387.5	188351.9	175387.5	156878.8	122516.7	88811.5	56249.6	36840.8	20858.9
-15°	74375.0	91121.6	101170.4	107469.5	101170.4	91121.6	74375.0	52266.2	36158.4	22347.5	11583.6
-17.5°	41511.7	48704.6	53797.7	56616.0	53797.7	48704.6	41511.7	29479.1	19895.2	11225.4	7676.3
-20°	20598.2	25148.4	28137.2	29392.0	28137.2	25148.4	20598.2	13844.8	9988.4	7058.6	6265.6



REPORT NUMBER: P1306280 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	9506.2	10721.7	11526.4	11909.7	11526.4	10721.7	9506.2	7722.2	6470.9	6092.9	5824.5
-25°	6342.5	6533.3	6673.4	6734.4	6673.4	6533.3	6342.5	6104.6	5859.9	5739.9	5645.0
-27.5°	5809.4	5910.4	5994.2	6027.3	5994.2	5910.4	5809.4	5718.1	5617.3	5699.7	5786.7
-30°	5690.6	5695.1	5718.8	5718.9	5718.8	5695.1	5690.6	5735.0	5792.9	5957.9	6170.0
-32.5°	5989.6	5924.0	5895.4	5926.1	5895.4	5924.0	5989.6	6102.3	6251.2	6378.5	6469.1
-35°	6446.6	6428.9	6430.3	6463.4	6430.3	6428.9	6446.6	6488.5	6551.2	6611.5	6622.1
-37.5°	6683.7	6697.5	6713.3	6717.2	6713.3	6697.5	6683.7	6680.7	6692.2	6709.6	6613.3
-40°	6749.4	6776.7	6797.3	6804.4	6797.3	6776.7	6749.4	6719.2	6667.2	6590.1	6368.8
-42.5°	6667.9	6722.2	6750.9	6757.7	6750.9	6722.2	6667.9	6587.7	6406.0	6145.0	5684.3
-45°	6206.9	6448.6	6585.3	6622.2	6585.3	6448.6	6206.9	5873.8	5415.0	4886.0	4311.3
-47.5°	4688.6	5068.0	5332.1	5454.1	5332.1	5068.0	4688.6	4264.9	3829.4	3395.4	2964.9
-50°	2961.1	3023.6	3070.3	3099.3	3070.3	3023.6	2961.1	2895.0	2832.1	2769.8	2698.3
-52.5°	2731.8	2754.8	2768.2	2773.8	2768.2	2754.8	2731.8	2706.0	2676.3	2637.6	2595.3
-55°	2637.3	2658.6	2667.9	2669.4	2667.9	2658.6	2637.3	2612.5	2583.6	2545.5	2506.0
-57.5°	2520.8	2553.1	2567.4	2569.8	2567.4	2553.1	2520.8	2482.1	2437.3	2384.6	2326.2
-60°	2286.5	2317.9	2333.4	2339.3	2333.4	2317.9	2286.5	2248.4	2203.5	2151.8	2094.4
-62.5°	2032.7	2066.9	2077.2	2076.1	2077.2	2066.9	2032.7	1992.3	1945.8	1895.0	1839.5
-65°	1751.4	1782.7	1791.7	1791.1	1791.7	1782.7	1751.4	1714.7	1672.7	1627.1	1578.0
-67.5°	1477.4	1505.0	1514.5	1516.9	1514.5	1505.0	1477.4	1445.6	1409.7	1371.3	1331.2
-70°	1223.2	1245.0	1250.5	1250.6	1250.5	1245.0	1223.2	1197.9	1169.0	1137.6	1104.6
-72.5°	1003.2	1022.0	1025.3	1024.8	1025.3	1022.0	1003.2	982.3	959.2	934.7	909.3
-75°	839.8	854.7	855.2	853.5	855.2	854.7	839.8	823.9	806.9	789.0	769.8
-77.5°	731.5	742.6	744.8	746.0	744.8	742.6	731.5	719.7	707.2	693.6	677.7
-80°	654.4	665.1	664.8	663.5	664.8	665.1	654.4	643.2	631.5	619.2	605.8
-82.5°	573.8	582.8	583.0	582.5	583.0	582.8	573.8	564.4	554.6	544.5	533.5
-85°	488.9	494.7	494.4	493.7	494.4	494.7	488.9	482.8	476.4	469.8	460.7
-87.5°	413.0	417.2	417.3	417.4	417.3	417.2	413.0	408.8	404.5	400.1	393.3
-90°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6



REPORT NUMBER: P1306280 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	341.9	336.8	331.7	325.9	320.1	314.2	308.4	299.8	291.3	282.7	274.1
87.5°	2.3	2.6	3.0	3.0	3.0	3.0	3.1	3.5	3.9	4.3	4.7
85°	2.4	2.7	3.1	3.1	3.1	3.1	3.1	3.5	3.9	4.3	4.7
82.5°	3.0	3.0	3.1	3.4	3.6	3.8	3.8	4.0	4.2	4.4	4.7
80°	3.1	3.1	3.2	3.6	4.0	4.4	4.7	4.8	4.7	4.7	4.8
77.5°	3.1	3.1	3.2	3.6	4.0	4.4	4.8	5.2	5.4	5.5	5.5
75°	4.6	4.6	4.6	4.9	4.9	4.7	4.8	5.2	5.6	6.0	6.2
72.5°	10.5	10.1	9.8	9.8	9.5	9.6	9.3	8.5	7.7	6.8	6.4
70°	16.0	16.4	17.3	18.3	18.5	18.1	17.5	16.0	13.3	11.4	10.2
67.5°	16.7	17.9	20.1	22.5	23.9	24.8	26.7	27.7	26.5	23.6	18.1
65°	13.6	15.7	18.1	20.1	22.7	26.1	33.0	36.8	37.8	36.6	30.5
62.5°	8.5	10.3	12.4	14.9	17.7	22.4	31.4	38.9	45.2	47.1	40.5
60°	4.6	5.0	7.5	9.9	12.3	17.5	26.8	36.7	47.2	48.4	46.4
57.5°	5.1	5.9	8.1	9.4	9.6	15.7	23.9	31.8	41.6	47.2	47.4
55°	11.3	13.2	15.7	16.1	15.7	22.6	26.7	31.4	40.4	46.0	49.5
52.5°	36.8	47.1	47.5	34.8	37.5	46.0	40.1	42.9	50.5	57.8	58.3
50°	145.9	149.2	134.3	109.4	119.5	106.6	94.4	79.1	89.9	92.1	79.6
47.5°	361.8	332.3	296.2	267.7	261.0	257.3	223.6	182.1	194.2	156.1	137.5
45°	614.9	570.5	512.3	463.9	425.1	407.7	400.1	374.0	349.3	315.4	221.3
42.5°	1153.8	945.7	773.8	699.0	596.8	554.0	530.3	526.2	514.6	493.0	421.5
40°	1806.3	1788.3	1488.0	1084.1	898.1	721.2	660.8	634.8	634.6	630.8	591.8
37.5°	2148.9	2104.0	2022.3	1834.5	1404.6	1100.6	876.6	754.5	723.9	722.3	695.3
35°	2228.0	2217.5	2214.9	2129.9	1989.8	1691.4	1301.7	980.6	831.7	797.8	783.0
32.5°	2286.7	2306.2	2316.3	2298.5	2309.4	2300.3	1928.6	1430.8	993.5	892.9	857.0
30°	2371.4	2399.6	2412.7	2455.3	2540.4	2577.2	2575.1	1991.7	1385.9	993.4	937.1
27.5°	2481.9	2504.5	2532.5	2675.3	2748.8	2800.1	2831.5	2662.7	1821.0	1270.4	1030.8
25°	2706.9	2635.4	2798.0	2944.8	3009.0	3037.1	3118.6	3042.7	2468.2	1595.7	1128.0
22.5°	3054.4	2956.3	3026.3	3266.0	3289.8	3308.0	3366.7	3384.8	3114.8	2065.9	1411.7
20°	3481.3	3299.1	3281.8	3407.4	3527.0	3547.9	3611.4	3640.8	3390.7	2640.4	1733.1
17.5°	4040.0	3675.5	3500.7	3540.6	3680.2	3751.2	3817.0	3837.1	3663.0	3157.7	2056.2
15°	5014.0	4111.1	3785.5	3709.8	3801.4	3922.2	4008.6	4072.7	3907.3	3493.2	2486.0
12.5°	8149.8	4608.7	4060.3	3830.0	3877.5	4046.7	4178.9	4258.1	4099.8	3717.9	2910.9
10°	11727.8	5898.6	4426.5	4060.4	3978.5	4126.0	4297.3	4350.6	4229.8	3903.3	3269.6
7.5°	17654.9	7575.2	4772.2	4283.3	4107.3	4193.2	4348.3	4414.5	4340.1	4049.5	3565.5
5°	21917.5	8941.1	5105.1	4504.0	4251.0	4298.9	4406.0	4480.5	4432.0	4163.0	3802.3
2.5°	25248.5	10214.7	5396.3	4697.6	4387.3	4420.6	4522.6	4549.0	4472.5	4177.4	3898.4
0°	27434.3	10794.6	5513.3	4793.8	4490.1	4516.6	4728.4	4620.9	4483.9	4159.9	3948.1
-2.5°	27212.6	10510.5	5564.9	4859.9	4589.0	4639.5	4891.8	4897.2	4587.0	4203.7	3986.6
-5°	25770.9	10499.9	5678.1	4963.3	4711.7	4781.3	5034.5	5067.5	4678.2	4263.4	3975.5
-7.5°	20844.4	9403.0	5693.0	5039.7	4839.4	4942.5	5161.4	5136.5	4786.6	4437.2	4023.2
-10°	13944.8	7481.5	5629.7	5120.7	4986.7	5127.1	5295.2	5202.7	4895.1	4599.6	4003.2
-12.5°	10306.6	6313.3	5544.2	5176.5	5157.0	5363.4	5448.1	5267.5	5012.2	4750.0	3907.6
-15°	7190.6	6022.3	5529.0	5346.3	5401.2	5573.9	5577.8	5309.0	5075.8	4850.5	3730.6
-17.5°	6277.8	5796.2	5519.7	5508.9	5676.7	5742.9	5604.9	5347.5	5100.8	4692.6	3402.7
-20°	5857.6	5637.5	5668.4	5787.8	5924.0	5917.2	5622.3	5375.1	5082.1	4261.4	3025.8



REPORT NUMBER: P1306280 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	5670.0	5719.3	5856.4	6090.9	6128.5	5929.1	5648.9	5377.2	5018.8	3752.6	2634.9
-25°	5749.8	5937.5	6188.5	6286.8	6208.5	5923.1	5661.6	5323.5	4471.3	3248.8	2293.5
-27.5°	6010.6	6286.5	6450.6	6422.4	6190.5	5913.8	5607.6	5118.8	3838.9	2804.4	2277.3
-30°	6351.8	6496.2	6548.7	6434.6	6149.2	5859.9	5517.9	4371.6	3268.3	2434.4	2239.8
-32.5°	6566.5	6565.0	6511.2	6322.9	6075.6	5779.3	4783.2	3622.7	2680.3	2380.7	2213.4
-35°	6617.6	6485.3	6307.0	6134.4	6009.9	5045.6	3940.8	2938.3	2508.1	2325.9	2188.7
-37.5°	6460.2	6233.5	6023.7	5762.6	5020.3	4093.0	3063.4	2601.0	2422.1	2293.8	2168.1
-40°	6093.6	5848.0	5250.7	4615.8	3859.1	2991.5	2667.1	2489.8	2373.8	2262.7	2147.2
-42.5°	5168.5	4627.5	4052.2	3398.1	2824.7	2683.5	2544.6	2433.6	2327.8	2228.3	2066.2
-45°	3840.5	3355.7	2879.3	2768.9	2641.2	2554.7	2477.5	2383.5	2288.9	2134.0	1960.7
-47.5°	2831.2	2756.3	2669.7	2608.5	2542.8	2475.8	2415.4	2335.5	2174.6	2009.9	1831.4
-50°	2637.9	2603.3	2563.1	2519.8	2470.7	2415.2	2315.4	2191.5	2033.3	1865.7	1694.4
-52.5°	2549.6	2515.4	2482.1	2448.1	2367.2	2260.5	2148.2	2021.4	1874.3	1711.3	1547.2
-55°	2465.5	2405.2	2337.5	2264.0	2182.0	2074.5	1960.7	1837.0	1699.6	1546.1	1399.6
-57.5°	2262.5	2196.1	2127.8	2054.3	1975.8	1870.5	1754.5	1635.9	1516.6	1380.4	1250.1
-60°	2031.6	1966.0	1897.6	1821.8	1738.8	1643.7	1545.8	1440.4	1327.6	1223.7	1118.4
-62.5°	1778.3	1711.9	1648.8	1583.6	1515.6	1440.5	1349.8	1261.2	1171.0	1077.8	980.8
-65°	1524.1	1465.7	1411.5	1361.2	1308.1	1251.2	1173.0	1092.5	1010.0	925.8	840.1
-67.5°	1287.7	1241.0	1197.8	1154.9	1108.9	1058.9	991.2	919.0	854.1	790.9	724.1
-70°	1068.0	1027.7	988.9	950.7	915.4	880.5	833.3	779.4	723.6	677.2	634.2
-72.5°	881.7	851.9	822.8	795.6	765.4	741.0	711.9	676.2	639.4	601.5	566.5
-75°	749.5	728.0	707.2	689.8	671.1	651.1	629.8	603.3	576.8	550.4	523.8
-77.5°	661.3	644.4	628.3	616.0	602.9	589.2	572.6	549.7	526.8	503.7	480.4
-80°	592.0	577.9	564.0	553.1	541.8	530.1	516.8	496.8	476.7	456.4	435.9
-82.5°	522.2	510.5	498.7	489.4	479.7	469.8	458.9	441.8	424.5	407.2	389.9
-85°	451.4	441.9	432.4	425.0	417.5	409.7	401.4	387.3	373.1	358.7	344.3
-87.5°	386.4	379.5	372.6	366.9	361.1	355.2	349.1	338.0	326.9	315.9	304.8
-90°	1.6	1.6	1.6	2.0	2.4	2.7	3.1	3.5	3.9	4.3	4.7



REPORT NUMBER: P1306280 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	264.0	253.9	243.7	233.6	220.0	206.4	192.7	179.1	164.7	150.3	135.9
87.5°	4.7	4.7	4.7	4.7	5.1	5.5	5.8	6.2	6.2	6.2	6.2
85°	4.7	4.7	4.7	4.7	5.1	5.5	5.8	6.2	6.2	6.2	6.2
82.5°	4.7	4.7	4.7	4.7	5.1	5.5	5.9	6.2	6.3	6.2	6.2
80°	5.0	5.2	5.2	5.2	5.4	5.5	5.9	6.3	6.7	6.8	6.7
77.5°	5.5	5.7	5.9	6.1	6.2	6.3	6.4	6.5	7.0	7.4	7.4
75°	6.2	6.1	6.1	6.5	7.0	7.1	7.1	7.4	8.0	8.1	8.2
72.5°	6.6	6.7	6.5	6.8	7.6	8.1	8.1	8.4	9.3	9.6	9.2
70°	9.0	7.8	7.4	8.2	8.9	9.1	9.4	10.2	10.8	11.2	10.9
67.5°	13.2	11.7	10.2	10.3	11.1	11.4	11.0	12.3	13.3	12.9	12.6
65°	24.1	18.4	14.1	15.0	14.8	14.1	13.8	15.1	16.0	15.8	14.4
62.5°	33.9	27.4	23.0	21.4	20.2	18.9	17.2	19.1	19.2	18.8	17.1
60°	42.7	35.6	33.2	31.9	28.4	24.8	23.8	23.5	23.7	22.1	20.3
57.5°	45.1	42.5	45.2	43.9	39.7	33.7	31.9	31.1	28.5	26.5	23.8
55°	47.3	47.9	58.2	58.4	53.0	45.5	43.3	40.8	34.7	31.4	28.1
52.5°	54.8	62.4	73.0	75.1	69.2	60.9	59.6	51.4	45.1	36.5	34.0
50°	72.4	86.7	95.4	95.9	87.6	84.5	77.6	68.3	56.3	43.4	40.5
47.5°	122.3	134.5	127.0	122.5	112.5	112.1	103.1	87.1	68.1	54.3	47.5
45°	222.2	210.8	182.5	159.0	149.8	148.6	133.7	107.1	86.4	67.8	55.0
42.5°	343.7	319.4	276.4	200.8	201.5	191.4	167.5	136.9	105.7	81.9	65.5
40°	508.8	447.4	388.0	309.7	260.9	239.1	210.3	170.4	126.1	98.4	78.2
37.5°	659.6	583.3	517.3	417.4	334.4	299.2	257.3	206.1	152.4	119.0	91.2
35°	750.8	706.6	631.8	521.7	429.1	363.9	307.6	246.3	185.5	140.0	104.5
32.5°	829.2	802.8	726.5	621.5	518.3	433.2	365.4	288.2	217.9	161.4	117.9
30°	902.1	874.3	820.6	714.1	603.1	511.3	423.6	328.3	249.6	183.1	132.6
27.5°	978.5	946.3	909.1	800.4	684.6	584.4	472.9	366.5	280.5	206.8	150.4
25°	1057.1	1016.6	975.5	885.5	760.0	642.5	520.2	403.2	312.2	232.7	168.0
22.5°	1146.5	1084.3	1041.6	969.7	828.4	701.2	567.5	443.4	343.3	257.7	185.5
20°	1235.0	1149.6	1105.2	1037.7	896.3	759.9	616.0	481.5	372.6	281.7	202.6
17.5°	1353.7	1218.5	1155.6	1085.6	960.1	816.5	663.6	517.2	400.1	304.5	219.3
15°	1632.6	1292.7	1206.0	1132.0	1018.1	870.6	709.8	550.4	425.6	326.1	234.6
12.5°	1924.5	1366.3	1256.2	1176.5	1070.6	921.9	754.1	581.1	449.2	345.7	248.0
10°	2218.7	1438.3	1305.9	1219.0	1117.6	970.0	796.0	612.7	475.0	363.5	260.3
7.5°	2504.1	1507.6	1354.3	1259.2	1159.6	1011.7	835.6	649.5	500.2	380.1	271.4
5°	2748.5	1568.9	1403.0	1302.5	1198.5	1045.6	870.1	684.1	523.9	395.3	281.3
2.5°	2866.7	1617.9	1450.0	1344.2	1233.6	1074.9	899.9	715.9	545.8	408.8	290.0
0°	2934.2	1660.2	1493.6	1383.0	1264.6	1099.6	925.1	744.5	565.4	420.5	297.5
-2.5°	2929.2	1700.3	1535.4	1423.8	1308.8	1133.2	945.7	760.5	580.5	434.2	307.7
-5°	2876.7	1734.7	1573.6	1461.7	1347.7	1161.5	962.0	772.8	593.0	445.9	316.5
-7.5°	2839.1	1773.9	1611.2	1497.3	1380.6	1183.5	973.6	781.5	602.9	455.3	323.9
-10°	2758.2	1812.7	1649.2	1530.6	1400.6	1198.2	981.4	786.6	610.1	462.4	329.8
-12.5°	2615.5	1843.3	1682.2	1559.6	1413.5	1206.4	990.4	791.9	614.9	467.0	334.1
-15°	2408.2	1865.1	1710.0	1583.9	1420.3	1209.2	994.1	794.9	619.3	469.6	336.7
-17.5°	2134.5	1877.7	1732.3	1603.4	1420.9	1206.5	992.4	793.7	620.5	470.5	338.7
-20°	2090.4	1893.3	1749.2	1617.8	1415.2	1198.5	985.1	788.0	618.7	468.9	339.6



REPORT NUMBER: P1306280 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	2092.6	1913.2	1767.8	1609.7	1402.1	1185.3	972.3	777.8	613.5	464.7	338.7
-25°	2086.2	1926.6	1784.3	1601.1	1381.7	1166.5	955.6	763.2	605.2	457.9	335.9
-27.5°	2087.7	1935.4	1797.5	1584.6	1361.8	1141.2	935.4	750.8	594.2	448.6	331.2
-30°	2088.2	1944.7	1779.0	1558.9	1333.8	1112.9	910.1	734.8	581.2	439.9	324.4
-32.5°	2076.1	1951.0	1744.6	1520.9	1297.0	1078.4	881.4	715.1	565.3	430.6	320.8
-35°	2065.8	1913.7	1701.0	1473.9	1252.0	1043.0	852.5	691.6	546.4	418.9	317.3
-37.5°	2046.7	1846.8	1640.5	1417.7	1199.3	1001.5	824.4	667.4	524.5	404.8	312.4
-40°	1965.8	1767.5	1561.8	1352.2	1145.6	954.2	791.2	639.7	504.2	388.2	306.2
-42.5°	1875.5	1674.1	1474.3	1276.4	1087.6	912.0	753.4	607.5	482.3	376.3	298.7
-45°	1766.3	1572.2	1379.0	1199.3	1025.3	864.5	712.5	572.2	457.4	366.0	292.1
-47.5°	1648.5	1461.5	1283.7	1116.2	965.8	812.0	666.6	540.8	430.0	354.1	287.9
-50°	1521.1	1349.2	1186.8	1037.3	896.8	754.9	618.8	506.2	413.2	339.6	282.7
-52.5°	1390.4	1237.6	1092.9	956.9	823.4	692.4	576.2	470.2	394.3	329.2	276.7
-55°	1258.2	1130.6	1000.3	871.2	745.4	636.0	530.1	446.0	373.5	320.2	269.9
-57.5°	1136.3	1023.8	901.4	780.4	673.6	577.7	492.8	419.6	359.5	310.2	264.1
-60°	1013.4	907.5	796.9	697.5	604.9	526.9	459.9	395.7	346.9	299.8	257.1
-62.5°	883.7	790.4	705.4	617.5	547.3	486.2	428.0	380.2	333.4	290.3	249.2
-65°	765.5	690.0	616.0	558.7	501.3	449.3	408.6	363.6	320.8	280.1	240.6
-67.5°	656.7	608.4	559.8	507.2	464.9	426.1	387.8	347.9	307.9	269.1	231.3
-70°	590.5	546.3	510.4	474.9	438.3	402.4	368.3	331.9	294.1	257.0	221.3
-72.5°	536.5	506.6	476.8	444.9	412.0	379.8	348.3	314.9	278.9	244.1	210.7
-75°	496.6	469.8	443.5	415.8	385.8	356.2	326.7	296.1	262.9	230.7	199.6
-77.5°	456.6	433.1	409.8	385.3	357.7	330.5	303.8	276.6	246.0	216.4	187.9
-80°	415.1	394.4	373.9	352.7	328.2	304.0	280.0	255.8	228.2	201.5	175.7
-82.5°	372.3	354.7	337.1	319.0	297.5	276.2	255.2	234.3	209.9	186.2	164.4
-85°	329.4	314.4	299.4	284.2	266.0	247.9	231.1	214.1	194.0	174.3	155.2
-87.5°	293.1	281.3	269.5	257.6	242.5	227.3	212.0	196.8	179.5	162.4	145.6
-90°	4.7	4.7	4.7	4.7	5.1	5.5	5.8	6.2	6.2	6.2	6.2



REPORT NUMBER: P1306280 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	121.5	101.2	81.0	60.7	40.5	24.9	9.3
87.5°	6.2	6.4	6.5	6.5	6.5	8.0	9.3
85°	6.2	6.5	6.7	6.8	6.8	8.3	9.3
82.5°	6.2	6.7	7.0	7.1	7.0	8.6	9.3
80°	6.4	6.9	7.3	7.4	7.4	8.9	9.3
77.5°	7.2	7.4	7.6	7.7	7.7	9.2	9.3
75°	8.2	8.5	8.0	8.1	8.0	9.4	9.3
72.5°	9.2	9.6	9.2	8.4	8.4	9.7	9.3
70°	10.3	10.8	10.3	8.9	8.8	10.0	9.3
67.5°	12.4	12.0	11.5	9.9	9.2	10.4	9.3
65°	14.5	13.7	12.7	10.9	9.6	10.7	9.3
62.5°	16.8	16.0	13.9	12.0	10.1	11.0	9.3
60°	19.3	18.4	15.2	13.0	10.6	11.3	9.3
57.5°	23.1	20.9	17.3	14.1	11.6	11.6	9.3
55°	27.3	23.4	19.6	15.2	12.7	11.9	9.3
52.5°	31.7	26.3	21.9	16.2	13.8	12.3	9.3
50°	36.4	30.4	24.2	17.3	15.0	12.6	9.3
47.5°	41.5	34.7	26.5	18.6	16.2	12.9	9.3
45°	48.0	39.0	28.9	20.4	17.4	13.3	9.3
42.5°	54.9	43.5	31.3	22.2	18.7	13.6	9.3
40°	62.0	48.1	34.3	24.6	20.0	14.0	9.3
37.5°	69.4	52.8	37.9	27.3	21.3	14.3	9.3
35°	77.0	58.4	41.5	30.1	22.7	14.6	9.3
32.5°	85.7	64.4	45.1	33.0	24.0	15.0	9.3
30°	96.6	70.5	48.6	35.9	25.4	15.3	9.3
27.5°	107.5	76.5	53.6	38.8	26.8	15.6	9.3
25°	118.3	82.6	58.8	41.7	28.2	16.0	9.3
22.5°	128.9	89.0	63.9	44.7	29.5	16.3	9.3
20°	139.3	96.4	69.0	47.6	30.9	16.6	9.3
17.5°	149.7	103.5	74.0	50.5	32.3	16.9	9.3
15°	159.8	110.4	78.8	53.3	33.6	17.2	9.3
12.5°	169.3	117.0	83.5	56.1	34.9	17.5	9.3
10°	178.1	123.2	88.1	58.8	36.1	17.7	9.3
7.5°	186.4	129.1	92.5	61.4	37.3	18.0	9.3
5°	194.0	134.7	96.7	63.9	38.4	18.3	9.3
2.5°	200.9	140.0	100.6	66.3	39.5	18.5	9.3
0°	207.1	144.8	104.3	68.5	40.5	18.7	9.3
-2.5°	214.5	150.8	109.0	72.1	42.7	19.6	9.3
-5°	221.1	156.4	113.4	75.5	44.8	20.5	9.3
-7.5°	226.9	161.6	117.5	78.8	46.8	21.4	9.3
-10°	232.0	166.4	121.3	81.9	48.7	22.2	9.3
-12.5°	236.2	170.6	124.8	84.7	50.5	23.0	9.3
-15°	239.6	174.5	128.0	87.3	52.2	23.8	9.3
-17.5°	242.2	177.8	130.9	89.7	53.7	24.5	9.3
-20°	244.4	180.7	133.5	91.9	55.1	25.2	9.3



REPORT NUMBER: P1306280 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-08-680N-40-70-1S-VHE-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	246.4	183.0	135.8	93.8	56.3	25.9	9.3
-25°	247.5	185.3	137.8	95.5	57.4	26.5	9.3
-27.5°	247.4	187.1	139.4	96.9	58.4	27.1	9.3
-30°	246.3	188.4	140.8	98.0	59.1	27.6	9.3
-32.5°	244.2	189.1	141.9	98.9	59.7	28.1	9.3
-35°	243.4	189.2	142.6	99.5	60.2	28.5	9.3
-37.5°	242.9	189.0	142.9	99.8	60.4	28.9	9.3
-40°	241.6	189.0	142.9	99.8	60.5	29.2	9.3
-42.5°	239.6	188.4	142.4	99.6	60.5	29.5	9.3
-45°	236.8	187.3	141.7	99.0	60.2	29.7	9.3
-47.5°	233.3	185.6	140.6	98.2	59.8	29.8	9.3
-50°	230.3	183.4	139.0	97.2	59.2	30.0	9.3
-52.5°	226.9	180.7	137.1	95.9	58.4	30.0	9.3
-55°	222.8	177.6	134.7	94.4	57.4	30.0	9.3
-57.5°	218.1	174.0	132.0	92.6	56.3	30.0	9.3
-60°	212.8	169.8	128.9	90.6	55.1	29.8	9.3
-62.5°	206.8	165.2	125.6	88.3	54.5	29.7	9.3
-65°	200.3	160.1	121.9	85.8	53.8	29.5	9.3
-67.5°	193.3	154.6	117.9	83.0	53.0	29.2	9.3
-70°	185.6	148.8	113.6	80.0	52.0	28.9	9.3
-72.5°	177.5	142.5	108.9	78.0	50.9	28.6	9.3
-75°	168.9	135.8	104.0	76.0	49.7	28.2	9.3
-77.5°	159.9	128.8	100.4	73.8	48.4	27.7	9.3
-80°	150.4	123.1	96.9	71.5	47.0	27.2	9.3
-82.5°	143.3	118.0	93.2	69.0	45.5	26.7	9.3
-85°	136.3	112.6	89.3	66.4	43.9	26.1	9.3
-87.5°	129.0	107.1	85.2	63.6	42.2	25.5	9.3
-90°	6.2	6.2	6.2	6.2	6.2	7.8	9.3

(END OF REPORT)