

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: P1305552 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-320L-57-70-2S-VHE-A**

Issue Date: 2/3/2026

**Test Information**

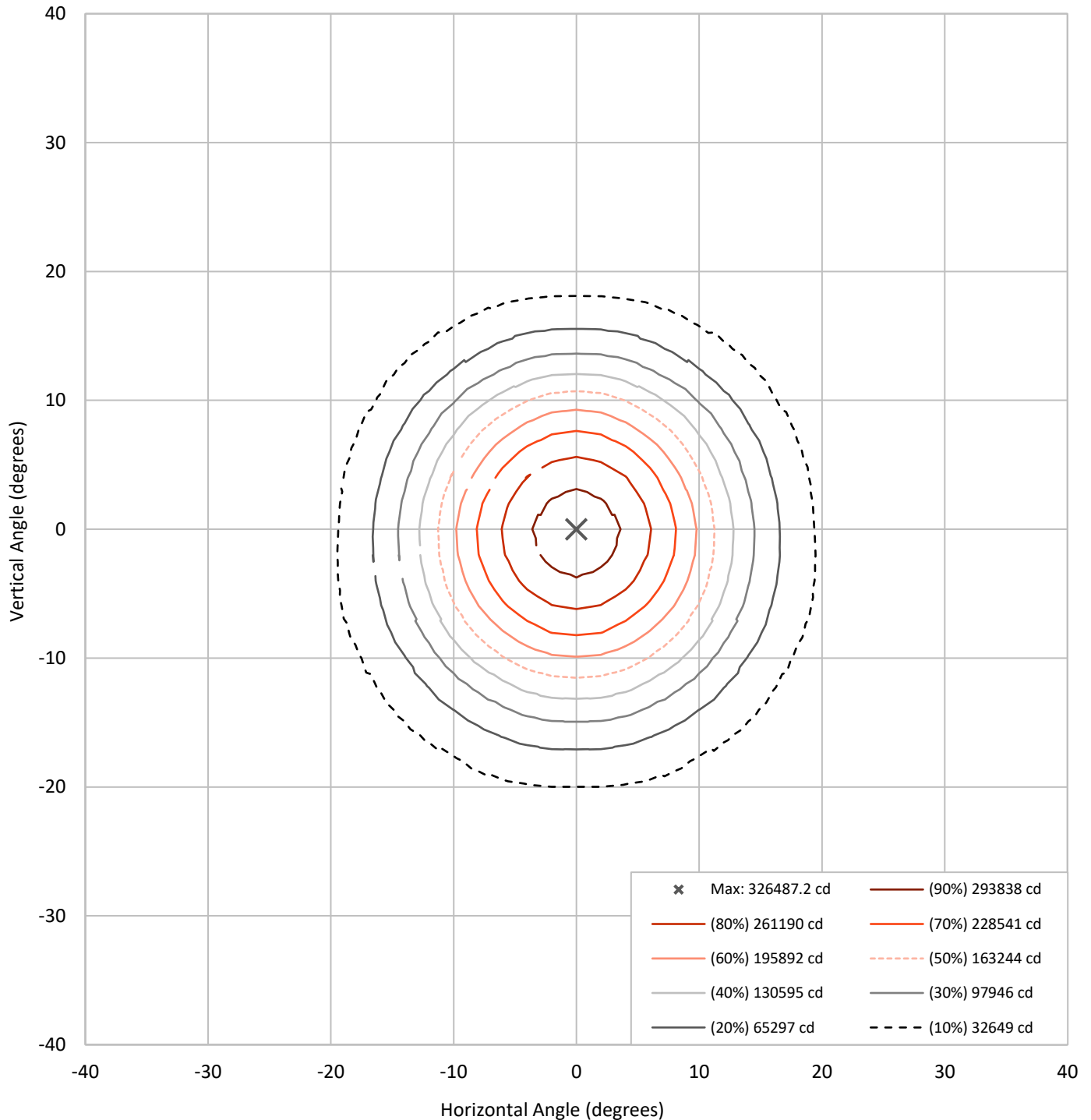
Test Method: LM-79-08  
Report Number: P1305552 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-08-320L-57-70-2S-VHE-A  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 70 CRI LEDS AND 2S BEAM SHAPE WITH ANODIZED CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	57065.1 lumens	Max Intensity:	326487.2 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	167.8 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	22.5°H x 22.2°V	Field Angle (10%):	38.8°H x 38.1°V
Beam Lumens:	26665.6 lumens	Field Lumens:	47504.2 lumens
Beam Efficiency:	46.7%	Field Efficiency:	83.2%
Input Watts (W):	340		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

REPORT NUMBER: P1305552 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-08-320L-57-70-2S-VHE-A

### Iso-Candela Plot





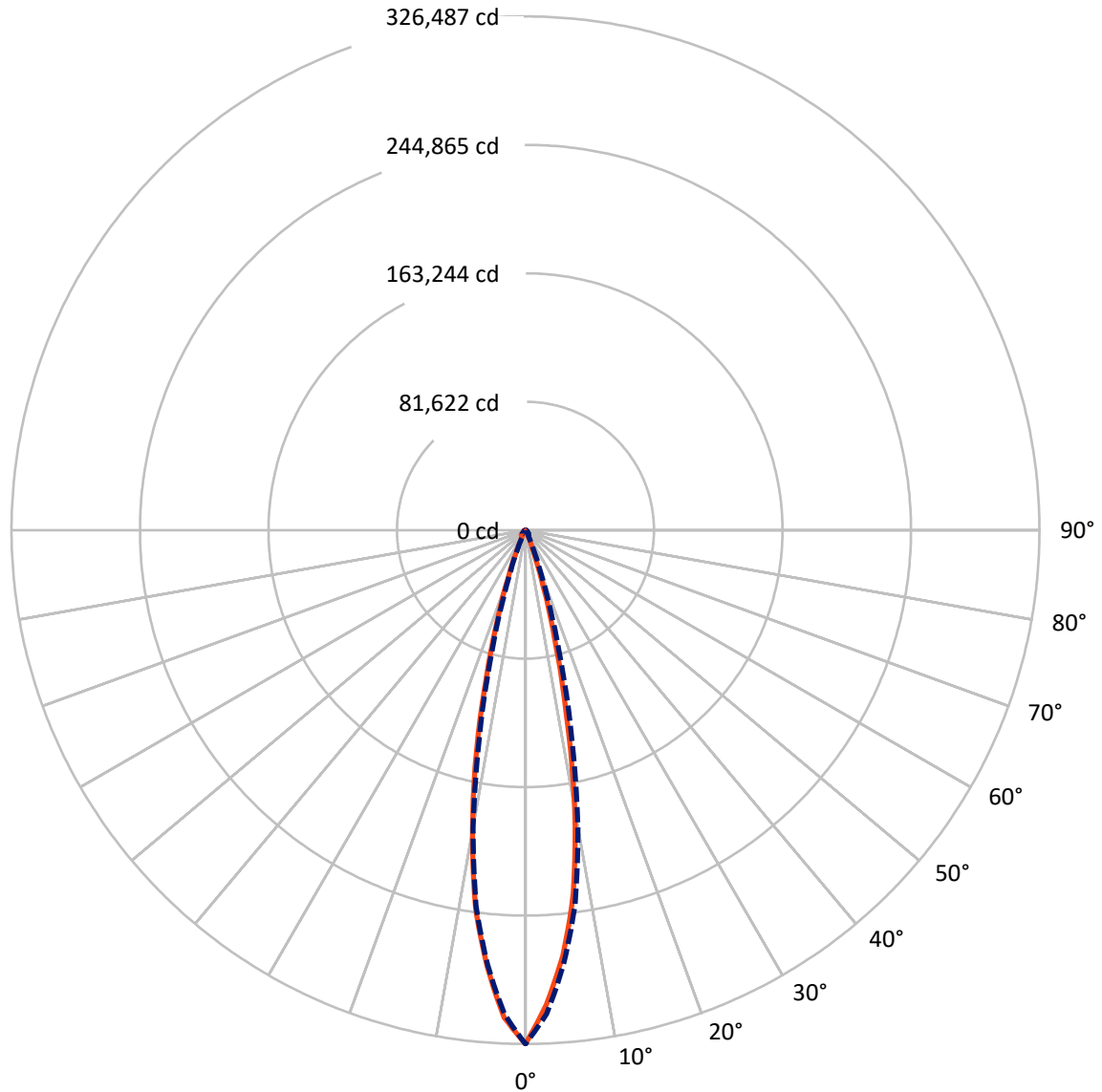
REPORT NUMBER: P1305552 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-2S-VHE-A

### Lumen Table

90	0.1	0.5		0.8		1.2		1.5		1.2		0.8		0.5		0.1			
80	0.1	0.5		0.8		1.2		1.5		1.2		0.8		0.5		0.1			
70	0.1	0.1	0.1	0.4	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.4	0.1	0.1	0.1			
60		0.2	0.5	0.7	0.5	0.5	0.6	0.7	0.7	0.6	0.5	0.5	0.7	0.5	0.2				
50	0.4	0.7	1.7	3.4	6.0	9.8	15.1	17.7	17.7	15.1	9.8	6.0	3.4	1.7	0.7	0.4			
40		1.8	5.6	10.9	21.2	37.0	45.0	49.8	49.8	45.0	37.0	21.2	10.9	5.6	1.8				
30	1.1	3.0	9.3	19.8	48.5	56.4	77.8	142.2	142.2	77.8	56.4	48.5	19.8	9.3	3.0	1.1			
20		4.1	12.1	34.8	68.4	100.5	637.2	2055.2	2055.2	637.2	100.5	68.4	34.8	12.1	4.1				
10	1.6	4.9	14.0	45.4	78.3	224.6	2257.3	6786.0	6786.0	2257.3	224.6	78.3	45.4	14.0	4.9	1.6			
0		5.4	15.4	47.9	86.2	257.5	2458.4	7057.1	7057.1	2458.4	257.5	86.2	47.9	15.4	5.4				
-10	1.8	5.5	16.1	46.2	90.7	147.4	901.0	2639.4	2639.4	901.0	147.4	90.7	46.2	16.1	5.5	1.8			
-20		5.0	15.8	35.3	85.5	117.2	162.8	325.7	325.7	162.8	117.2	85.5	35.3	15.8	5.0				
-30	1.5	4.3	13.8	27.6	59.8	105.3	123.3	129.3	129.3	123.3	105.3	59.8	27.6	13.8	4.3	1.5			
-40		3.3	10.5	22.3	35.7	54.8	83.3	104.6	104.6	83.3	54.8	35.7	22.3	10.5	3.3				
-50	1.2	2.1	6.7	14.6	25.0	33.8	40.3	44.5	44.5	40.3	33.8	25.0	14.6	6.7	2.1	1.2			
-60		1.4	3.4	7.3	12.7	17.9	22.5	25.3	25.3	22.5	17.9	12.7	7.3	3.4	1.4				
-70	0.8	5.2		12.7		21.2		25.9		21.2		12.7		5.2		0.8			
-80		5.2		12.7		21.2		25.9		21.2		12.7		5.2					
-90	0.8	5.2		12.7		21.2		25.9		21.2		12.7		5.2		0.8			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

REPORT NUMBER: P1305552 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-08-320L-57-70-2S-VHE-A

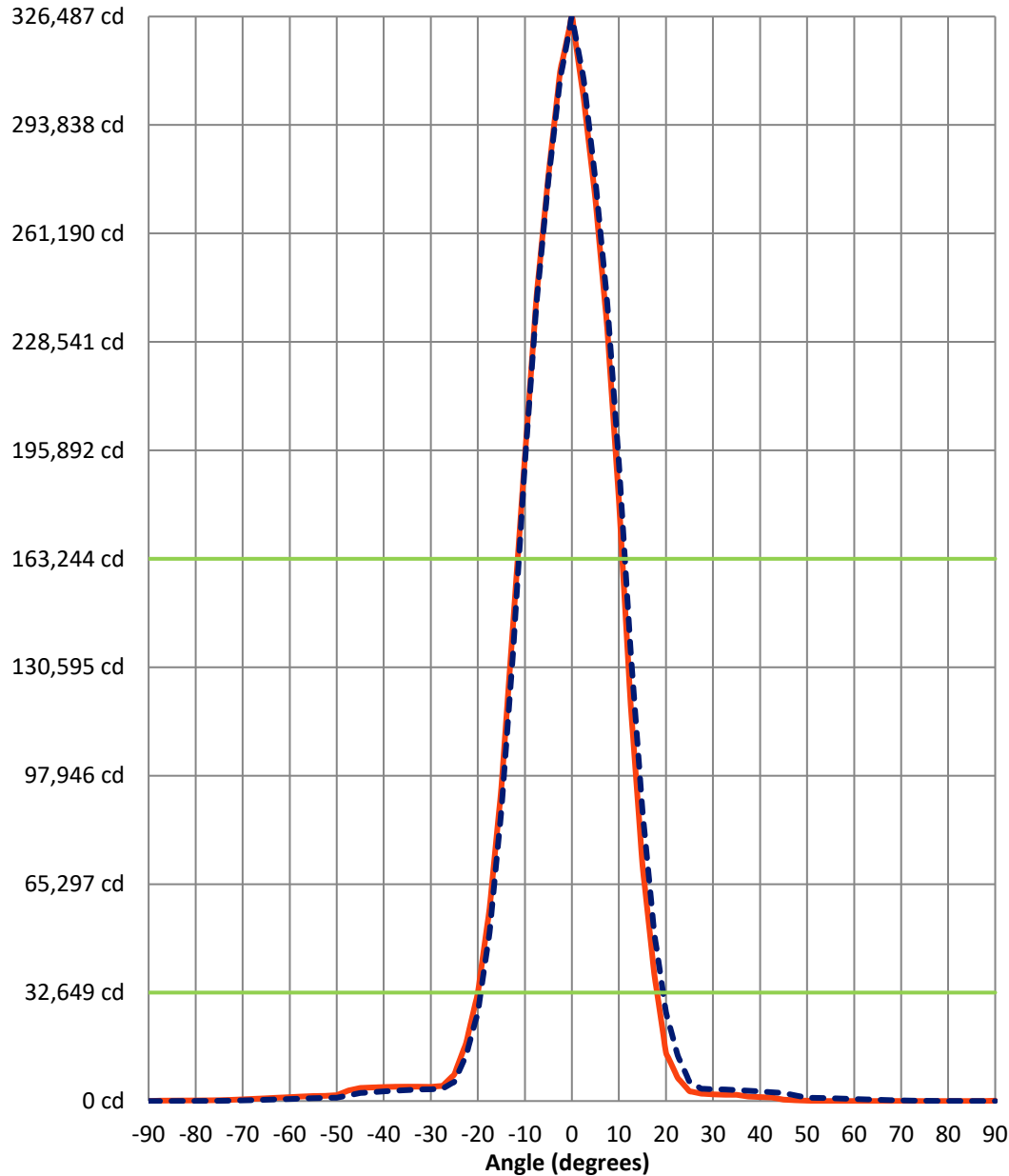
### Luminous Intensity Polar Plot



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

REPORT NUMBER: P1305552 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-2S-VHE-A

### Luminous Intensity Plot



**Beam:**  
 H Angle: 22.5°  
 V Angle: 22.2°  
 Lumens: 26665.6  
 Efficiency: 46.7%

**Field:**  
 H Angle: 38.8°  
 V Angle: 38.1°  
 Lumens: 47504.2  
 Efficiency: 83.2%

**Spill:**  
 Lumens: 9560.9  
 Efficiency: 16.8%

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



REPORT NUMBER: P1305552 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-2S-VHE-A

FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	3.3	7.0	10.7	18.3	26.0	32.6	39.3	44.3	49.3	53.3	57.3
87.5°	3.3	3.4	3.4	3.4	3.4	3.5	3.5	3.4	3.3	3.3	3.3
85°	3.3	3.5	3.5	3.6	3.5	3.6	3.7	3.5	3.3	3.3	3.3
82.5°	3.3	3.6	3.7	3.7	3.7	3.8	3.8	3.6	3.4	3.5	3.5
80°	3.3	3.7	3.8	3.9	3.8	3.9	4.0	3.9	3.8	3.9	3.8
77.5°	3.3	3.7	3.9	4.0	3.9	4.1	4.2	4.2	4.3	4.3	4.1
75°	3.3	3.8	4.0	4.1	4.1	4.3	4.4	4.5	4.7	4.6	4.5
72.5°	3.3	3.9	4.2	4.3	4.3	4.5	4.6	4.8	5.0	4.9	4.8
70°	3.3	4.0	4.3	4.4	4.6	4.8	4.8	5.1	5.2	5.2	5.1
67.5°	3.3	4.1	4.4	4.6	4.8	5.0	5.2	5.4	5.5	5.6	5.5
65°	3.3	4.2	4.6	4.8	5.0	5.3	5.6	5.8	6.2	6.2	6.1
62.5°	3.3	4.3	4.7	5.0	5.2	5.7	6.0	6.5	7.0	6.9	7.2
60°	3.3	4.4	4.9	5.1	5.5	6.1	6.5	7.4	7.9	8.3	8.4
57.5°	3.3	4.5	5.1	5.3	5.9	6.5	7.5	8.5	9.5	9.9	11.2
55°	3.3	4.5	5.2	5.5	6.4	6.9	8.8	9.7	11.4	12.3	15.0
52.5°	3.3	4.6	5.5	5.6	6.9	7.5	10.1	11.8	13.5	17.0	19.2
50°	3.3	4.7	5.7	5.8	7.5	8.9	11.5	14.0	16.6	22.0	27.4
47.5°	3.3	4.8	5.9	6.0	8.0	10.4	13.1	16.4	21.7	27.5	37.2
45°	3.3	4.9	6.2	6.5	8.6	11.9	15.3	18.8	27.3	37.4	47.9
42.5°	3.3	5.0	6.5	7.0	9.3	13.5	17.4	23.0	33.3	48.0	65.2
40°	3.3	5.0	6.7	7.6	10.2	15.1	19.7	28.5	41.1	59.3	84.7
37.5°	3.3	5.1	7.0	8.4	11.5	16.7	22.2	34.2	52.1	73.9	105.7
35°	3.3	5.2	7.4	9.2	12.7	18.6	24.8	40.0	63.7	93.5	129.2
32.5°	3.3	5.3	7.7	10.1	14.0	20.7	28.1	46.1	75.8	113.4	154.1
30°	3.3	5.4	8.0	11.0	15.3	22.7	33.0	53.1	88.4	133.5	177.9
27.5°	3.3	5.4	8.4	11.8	16.9	24.7	37.9	62.4	101.2	153.8	200.3
25°	3.3	5.5	8.7	12.7	18.5	26.7	42.7	71.1	114.7	173.0	221.7
22.5°	3.3	5.6	9.1	13.7	20.0	28.8	47.4	79.4	127.2	186.0	244.8
20°	3.3	5.6	9.4	14.6	21.5	30.9	52.0	87.1	138.5	198.1	262.8
17.5°	3.3	5.7	9.8	15.5	23.0	33.0	56.2	94.2	148.8	209.1	279.9
15°	3.3	5.7	10.1	16.4	24.4	35.0	59.9	100.5	158.0	219.2	296.2
12.5°	3.3	5.8	10.5	17.3	25.7	36.8	63.3	105.8	166.6	228.2	311.7
10°	3.3	5.8	10.8	18.2	27.0	38.6	66.4	110.6	174.9	239.4	327.7
7.5°	3.3	5.9	11.1	19.0	28.2	40.3	69.2	114.7	182.3	250.2	345.9
5°	3.3	5.9	11.4	19.8	29.3	41.8	71.6	118.2	188.8	260.1	362.6
2.5°	3.3	6.0	11.7	20.6	30.3	43.3	73.6	121.1	194.2	268.9	377.6
0°	3.3	6.0	12.0	21.3	31.3	44.6	75.3	123.3	198.6	276.5	390.5
-2.5°	3.3	6.3	12.6	22.2	32.7	46.5	77.7	127.8	204.7	284.5	397.3
-5°	3.3	6.5	13.2	23.1	34.0	48.2	79.7	131.5	209.4	291.0	401.8
-7.5°	3.3	6.8	13.8	24.0	35.2	49.8	81.4	134.4	212.9	295.9	404.2
-10°	3.3	7.0	14.4	24.7	36.3	51.2	82.6	136.4	215.0	299.2	404.6
-12.5°	3.3	7.2	14.9	25.4	37.3	52.5	83.5	137.5	215.6	300.5	404.2
-15°	3.3	7.4	15.4	26.1	38.2	53.6	83.9	137.5	214.0	298.1	401.4
-17.5°	3.3	7.6	15.8	26.7	39.0	54.5	83.9	136.1	210.1	293.9	395.4
-20°	3.3	7.8	16.2	27.2	39.7	55.2	83.5	133.5	204.8	288.0	386.2



REPORT NUMBER: P1305552 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.3	8.0	16.6	27.6	40.3	55.8	82.9	130.0	198.2	280.2	373.9
-25°	3.3	8.2	16.9	28.0	40.7	56.3	81.8	125.7	190.2	270.5	361.8
-27.5°	3.3	8.3	17.2	28.4	41.1	56.7	80.1	120.4	181.0	262.6	353.3
-30°	3.3	8.5	17.4	28.6	41.3	56.8	78.0	114.3	173.6	253.8	342.7
-32.5°	3.3	8.6	17.6	28.8	41.6	56.8	75.4	110.5	167.4	243.0	329.8
-35°	3.3	8.7	17.7	28.9	41.9	56.7	74.3	107.2	159.6	230.3	314.6
-37.5°	3.3	8.8	17.8	29.0	41.9	56.5	73.9	103.5	150.3	215.6	298.1
-40°	3.3	8.9	17.8	29.0	41.9	56.4	73.3	98.8	139.5	202.3	279.5
-42.5°	3.3	8.9	17.8	28.9	41.9	56.3	72.4	93.3	131.2	188.2	258.5
-45°	3.3	9.0	17.8	28.9	41.9	56.0	71.2	89.1	123.9	172.1	235.8
-47.5°	3.3	9.0	17.7	28.8	41.7	55.5	69.8	87.4	115.4	154.3	215.4
-50°	3.3	9.0	17.5	28.7	41.5	54.9	68.9	85.3	105.8	143.3	193.0
-52.5°	3.3	9.0	17.3	28.4	41.1	54.2	67.9	83.0	100.8	131.1	169.0
-55°	3.3	9.0	17.0	28.2	40.6	53.5	66.7	80.5	97.6	117.9	152.9
-57.5°	3.3	8.9	16.7	27.8	40.1	52.6	65.4	78.9	94.0	111.6	136.1
-60°	3.3	8.9	16.4	27.3	39.4	51.6	63.9	77.0	90.4	106.9	122.2
-62.5°	3.3	8.8	16.1	26.8	38.6	50.4	62.3	74.9	87.8	101.7	115.9
-65°	3.3	8.7	15.8	26.2	37.7	49.0	60.5	72.6	84.9	97.4	109.2
-67.5°	3.3	8.6	15.5	25.5	36.7	47.6	58.6	70.1	81.8	93.2	103.7
-70°	3.3	8.4	15.1	24.8	35.7	46.0	56.4	67.4	78.6	88.8	98.6
-72.5°	3.3	8.3	14.6	24.1	34.5	44.3	54.3	64.6	75.3	84.6	93.3
-75°	3.3	8.1	14.1	23.5	33.2	42.6	52.0	61.7	71.8	80.3	88.3
-77.5°	3.3	8.0	13.6	22.7	32.2	40.7	49.6	58.6	68.1	75.7	83.0
-80°	3.3	7.8	13.1	22.0	31.1	39.1	47.1	55.4	64.1	70.8	77.4
-82.5°	3.3	7.6	12.5	21.1	29.9	37.6	45.2	52.4	59.9	65.7	71.6
-85°	3.3	7.4	11.9	20.3	28.7	36.0	43.3	49.8	56.4	61.4	66.2
-87.5°	3.3	7.2	11.3	19.3	27.4	34.4	41.3	47.1	52.9	57.4	61.8
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3



REPORT NUMBER: P130552 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	60.3	63.3	66.0	68.6	71.6	74.6	78.0	81.3	84.7	88.0	90.7
87.5°	3.1	3.0	3.0	3.0	2.9	2.7	2.7	2.7	2.4	2.0	2.0
85°	3.3	3.3	3.3	3.3	3.1	2.9	2.8	2.7	2.5	2.4	2.4
82.5°	3.6	3.6	3.5	3.3	3.3	3.3	3.0	2.8	2.8	2.9	2.8
80°	3.9	4.0	3.7	3.5	3.5	3.3	3.2	3.2	3.3	3.3	3.1
77.5°	4.1	4.0	3.9	3.9	3.7	3.5	3.6	3.7	3.6	3.4	3.3
75°	4.3	4.1	4.1	4.1	3.9	3.9	4.0	4.0	3.9	3.8	3.7
72.5°	4.6	4.5	4.4	4.2	4.1	4.1	4.0	4.0	4.6	5.6	6.3
70°	4.9	4.8	4.7	4.6	4.5	4.5	5.2	6.7	8.4	9.7	11.5
67.5°	5.3	5.3	5.1	5.1	5.5	6.2	7.4	11.8	16.2	17.8	18.6
65°	6.0	5.8	5.8	6.2	6.6	10.0	14.4	19.6	25.1	26.1	25.1
62.5°	6.7	7.4	7.2	8.4	11.4	15.5	21.1	27.0	33.3	31.8	26.6
60°	9.2	9.6	10.7	13.3	16.7	21.4	27.6	30.1	32.7	33.2	25.8
57.5°	12.4	13.8	16.3	19.0	23.6	26.2	27.1	27.2	30.9	31.2	23.7
55°	17.2	19.6	23.4	26.7	29.6	26.7	26.7	29.2	30.5	28.1	21.0
52.5°	24.8	27.3	33.2	35.7	34.1	31.7	31.1	33.3	32.0	28.6	24.3
50°	33.2	40.3	44.3	46.2	42.5	42.0	38.6	40.6	41.8	39.9	41.8
47.5°	46.7	55.4	58.6	61.5	58.4	61.7	58.5	68.0	68.2	91.7	94.4
45°	63.1	74.9	78.6	85.4	90.5	93.6	112.1	113.4	163.2	182.8	224.8
42.5°	82.4	97.7	111.0	114.3	145.7	160.7	187.0	235.1	281.1	320.7	343.1
40°	107.1	123.4	151.2	182.2	217.8	253.0	292.1	348.6	397.2	418.5	429.8
37.5°	134.3	165.5	202.4	254.2	307.2	347.7	394.2	447.3	479.6	490.8	493.4
35°	163.3	208.4	270.2	324.6	381.5	435.7	479.1	529.8	540.6	549.6	599.6
32.5°	198.7	251.2	324.1	385.2	442.7	504.9	548.8	578.8	596.0	629.1	791.9
30°	234.2	295.8	368.0	432.8	500.0	559.0	600.9	630.0	649.7	805.5	1143.6
27.5°	263.4	334.1	405.8	481.2	555.4	614.6	654.8	681.3	796.3	1054.5	1575.2
25°	289.8	364.2	443.7	534.7	612.7	667.5	708.7	734.9	992.2	1519.4	1880.5
22.5°	314.7	393.4	486.6	591.1	669.7	716.2	755.8	898.3	1287.9	1990.5	2184.7
20°	338.9	428.3	533.1	639.0	723.1	757.6	799.2	1081.4	1668.2	2171.8	2384.5
17.5°	364.1	464.3	577.0	675.7	751.0	794.5	861.1	1259.1	1989.3	2330.5	2484.4
15°	389.2	498.1	612.7	708.1	778.4	830.6	1002.8	1513.6	2188.2	2504.9	2649.9
12.5°	413.9	527.7	639.6	735.9	807.2	864.9	1132.3	1776.6	2367.9	2676.2	2868.1
10°	437.6	553.3	662.5	762.7	835.3	898.2	1263.2	2033.8	2530.3	2787.9	2948.8
7.5°	458.3	574.2	682.4	788.4	861.6	930.8	1406.7	2204.5	2599.3	2858.9	2989.7
5°	476.0	590.7	702.5	817.1	888.8	960.8	1537.1	2317.0	2625.6	2902.7	3032.4
2.5°	490.9	604.0	719.9	844.0	915.7	986.3	1628.5	2388.3	2643.5	2919.4	3074.3
0°	503.1	614.3	734.3	867.6	940.2	1008.8	1696.5	2422.7	2649.3	2913.2	3113.7
-2.5°	511.0	629.4	760.9	890.4	960.3	1027.7	1693.7	2442.9	2656.6	2946.9	3266.0
-5°	516.3	641.1	783.3	909.6	978.4	1044.4	1664.7	2428.2	2672.6	2998.0	3365.5
-7.5°	519.0	649.1	800.5	925.1	995.6	1063.0	1628.9	2394.0	2754.7	3103.2	3428.0
-10°	519.8	653.7	803.9	932.5	1011.5	1081.4	1569.9	2322.2	2819.6	3147.2	3446.1
-12.5°	523.3	655.9	802.1	935.6	1025.0	1098.1	1497.0	2274.7	2906.8	3174.4	3439.5
-15°	522.9	655.1	796.8	934.7	1041.5	1120.6	1400.1	2162.6	2959.9	3180.5	3421.8
-17.5°	518.5	651.3	788.6	931.5	1057.3	1137.4	1263.3	1931.7	2808.0	3153.5	3400.9
-20°	509.8	643.1	777.0	921.4	1066.0	1152.9	1247.0	1729.5	2495.6	3082.2	3361.4



REPORT NUMBER: P1305552 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	497.3	631.2	762.9	904.5	1061.9	1170.5	1258.3	1532.9	2187.0	2976.5	3297.5
-25°	482.7	614.5	746.6	895.3	1055.8	1187.3	1260.7	1350.2	1918.6	2626.5	3187.4
-27.5°	466.6	593.8	728.7	875.9	1046.2	1184.3	1259.8	1344.2	1632.8	2196.0	3011.9
-30°	447.9	570.6	703.9	847.7	1012.5	1152.4	1256.8	1326.6	1414.8	1858.4	2554.3
-32.5°	427.1	544.4	674.4	815.8	969.1	1116.8	1239.4	1312.5	1389.9	1541.8	2102.7
-35°	406.8	519.1	641.9	779.1	924.8	1068.5	1193.9	1297.7	1362.7	1448.1	1704.1
-37.5°	388.0	490.7	606.3	738.9	879.9	1008.5	1144.1	1256.6	1345.5	1407.4	1511.0
-40°	366.2	459.0	569.8	694.0	820.6	943.0	1072.0	1198.5	1307.7	1389.3	1451.0
-42.5°	341.7	430.4	530.6	640.9	757.9	874.4	996.4	1121.7	1241.6	1349.1	1425.6
-45°	315.1	398.4	488.6	588.7	692.6	803.6	919.8	1038.4	1157.4	1275.9	1370.3
-47.5°	284.3	363.3	448.8	533.0	628.8	730.8	838.8	950.3	1060.3	1174.8	1283.4
-50°	252.3	325.3	403.4	481.1	564.2	656.5	755.3	859.5	963.8	1069.5	1174.2
-52.5°	223.3	283.9	355.9	429.1	502.6	581.4	670.9	765.9	864.3	964.0	1055.6
-55°	192.3	246.9	306.0	374.6	443.5	512.1	584.8	670.7	759.9	852.4	934.6
-57.5°	168.4	209.5	260.5	317.2	381.3	446.2	510.0	574.6	654.3	736.5	805.6
-60°	148.6	178.3	217.3	265.2	316.3	376.3	436.3	496.3	557.9	616.7	680.5
-62.5°	130.5	154.7	182.2	215.6	259.9	306.2	359.5	414.8	471.2	521.9	568.8
-65°	122.7	134.3	154.9	179.9	205.3	244.9	287.6	331.1	380.0	424.9	467.2
-67.5°	114.4	125.1	135.9	149.1	171.8	195.3	218.9	257.3	295.6	330.3	364.8
-70°	107.8	116.1	125.5	135.1	145.0	158.5	179.5	201.2	222.9	246.9	276.1
-72.5°	101.3	108.7	116.3	123.8	132.6	141.8	151.5	161.3	176.4	194.8	211.5
-75°	95.1	101.2	108.0	115.0	121.9	128.9	136.8	145.8	154.8	163.8	172.2
-77.5°	89.0	94.7	100.4	106.2	112.2	118.4	125.3	132.5	139.9	147.2	153.8
-80°	82.7	88.0	92.9	97.9	103.3	108.7	114.4	120.3	126.8	133.6	139.5
-82.5°	75.9	80.3	84.8	89.2	94.2	99.1	104.0	108.9	114.3	119.7	124.6
-85°	69.4	72.5	76.4	80.2	84.6	89.0	93.2	97.4	102.0	106.6	110.4
-87.5°	64.9	67.9	70.9	74.0	77.5	81.0	84.4	87.8	91.7	95.5	98.5
-90°	3.0	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.4	2.0	2.0



REPORT NUMBER: P130552 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	93.3	95.3	97.3	98.3	99.3	101.3	103.3	106.3	109.3	112.6	115.9
87.5°	2.0	2.0	2.0	2.0	1.9	1.6	1.3	1.3	1.3	1.3	1.3
85°	2.4	2.5	2.5	2.3	2.0	1.9	1.9	1.9	2.0	1.6	1.3
82.5°	2.7	2.7	2.7	2.6	2.5	2.3	2.0	2.0	2.0	2.0	2.0
80°	2.9	2.8	2.7	2.7	2.7	2.6	2.5	2.3	2.0	2.3	2.6
77.5°	3.3	3.1	2.9	2.9	2.7	2.5	2.3	2.1	2.0	2.0	2.1
75°	3.4	3.5	4.0	4.1	4.0	3.6	3.0	2.9	3.0	2.9	2.7
72.5°	6.8	7.1	7.4	8.0	8.3	8.7	9.4	10.7	12.2	13.7	15.1
70°	13.6	15.5	16.0	16.0	15.9	16.4	17.1	18.0	19.0	19.9	20.6
67.5°	21.0	22.6	22.9	23.3	22.6	21.7	20.8	20.8	22.0	23.4	24.9
65°	25.6	23.9	22.6	22.4	22.0	20.9	19.1	17.9	17.5	17.3	17.3
62.5°	23.0	19.7	18.5	18.3	17.3	16.0	13.6	11.7	10.7	10.1	10.2
60°	19.9	16.1	13.7	12.6	10.9	9.3	7.9	6.4	6.0	5.8	5.9
57.5°	16.4	12.2	9.4	9.0	7.7	6.1	5.0	4.0	3.8	3.8	4.0
55°	15.0	12.8	10.8	10.0	8.6	7.8	6.7	5.4	5.0	5.4	6.0
52.5°	19.5	18.3	17.3	17.4	19.2	17.8	13.2	18.6	21.6	21.6	20.6
50°	42.8	38.5	54.9	52.9	66.0	74.9	68.0	76.3	88.2	96.7	102.5
47.5°	122.1	126.6	146.3	163.4	177.1	192.5	208.0	217.4	219.9	235.5	246.1
45°	245.9	260.7	282.6	293.7	315.3	340.8	358.8	366.8	413.9	472.5	510.3
42.5°	356.9	368.3	385.5	424.5	464.1	551.7	652.2	655.7	746.5	826.9	909.2
40°	434.5	456.0	517.2	609.7	823.5	990.3	1108.9	1225.2	1244.6	1206.9	1227.5
37.5°	535.0	611.6	766.7	1016.4	1201.4	1368.9	1436.3	1445.1	1468.5	1483.3	1459.9
35°	724.4	979.5	1108.2	1320.5	1455.1	1487.7	1508.1	1528.2	1547.5	1560.6	1574.9
32.5°	1139.2	1455.3	1472.3	1526.9	1551.9	1580.9	1602.6	1615.2	1623.9	1635.4	1674.4
30°	1585.1	1658.8	1664.9	1660.5	1669.1	1688.6	1702.8	1725.8	1748.8	1775.2	1861.7
27.5°	1793.4	1849.7	1832.2	1802.1	1787.2	1802.7	1841.2	1877.0	1943.7	2013.9	2138.1
25°	2023.9	2061.2	2039.7	1986.3	1952.9	1975.0	2032.8	2101.1	2228.6	2341.0	2569.5
22.5°	2270.7	2340.1	2317.6	2301.7	2231.2	2241.8	2287.4	2441.6	2760.5	3265.5	4313.9
20°	2462.1	2546.9	2557.7	2558.0	2543.2	2547.6	2653.5	3150.7	4083.1	7013.4	9610.9
17.5°	2604.0	2653.8	2713.5	2738.0	2767.1	2851.8	3417.2	5137.0	9163.9	14553.3	18680.2
15°	2787.9	2851.6	2916.3	2957.3	3023.0	3489.3	4934.9	10216.8	17539.6	26686.8	38378.6
12.5°	2935.2	3013.7	3065.1	3097.5	3248.9	4475.6	9505.2	17109.0	28534.3	42728.4	63785.0
10°	3016.7	3077.8	3148.0	3260.5	3877.8	6492.0	13404.3	24042.6	41605.6	67173.0	95218.2
7.5°	3057.2	3136.4	3253.7	3424.7	4589.8	9477.1	18647.8	33936.1	57924.8	89761.1	128838.0
5°	3104.4	3250.8	3390.4	3586.2	5142.6	11632.5	22816.0	42374.3	72153.3	111098.9	159359.0
2.5°	3180.7	3400.9	3490.9	3678.9	5475.7	13020.0	25301.5	48974.0	82778.0	128511.1	182694.7
0°	<b>3301.0</b>	<b>3484.2</b>	<b>3538.2</b>	<b>3727.4</b>	<b>5811.0</b>	<b>13706.2</b>	<b>26761.5</b>	<b>50783.7</b>	<b>87510.8</b>	<b>135292.0</b>	<b>191885.5</b>
-2.5°	3436.9	3551.3	3611.1	3822.1	5979.3	14406.3	27910.2	51999.7	86383.7	133033.2	188432.6
-5°	3525.5	3616.4	3674.3	3880.4	5960.9	13706.3	26626.7	48424.6	79793.9	121518.1	171049.1
-7.5°	3585.8	3680.4	3741.1	3930.0	5608.5	11845.0	23518.0	41741.3	67811.1	102030.3	144812.6
-10°	3644.8	3748.1	3827.6	3976.8	4963.9	9042.4	18459.0	31490.8	53032.5	80259.2	112246.2
-12.5°	3697.9	3825.6	3927.9	3996.6	4358.5	6877.8	13565.1	24087.0	38172.3	58496.6	81903.8
-15°	3724.8	3877.5	3992.0	4067.8	4277.7	5438.3	8784.1	15938.7	26650.3	39257.1	54488.1
-17.5°	3678.5	3906.2	4016.4	4099.8	4168.8	4467.1	6196.2	9783.8	16474.1	24732.5	32172.9
-20°	3604.8	3909.4	4034.2	4146.4	4224.9	4306.2	4526.4	6230.7	8952.4	14018.9	18977.8



REPORT NUMBER: P1305552 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	3542.5	3825.7	4086.1	4207.4	4297.7	4303.7	4310.5	4515.6	5578.3	7285.3	9908.5
-25°	3499.2	3767.3	4070.3	4258.2	4320.7	4323.0	4288.9	4250.7	4371.3	4492.4	5450.8
-27.5°	3426.1	3716.8	4001.7	4230.8	4323.5	4320.3	4294.4	4269.0	4227.3	4200.1	4303.4
-30°	3336.7	3628.8	3894.0	4124.5	4261.8	4304.0	4286.4	4267.5	4254.5	4245.5	4226.9
-32.5°	2860.1	3520.7	3744.1	3953.2	4149.2	4235.1	4273.3	4264.4	4252.8	4247.8	4251.1
-35°	2336.2	3018.2	3598.2	3747.3	3917.4	4088.2	4208.8	4236.0	4248.1	4246.0	4251.3
-37.5°	1791.3	2405.7	2975.6	3452.0	3656.7	3834.3	4009.5	4125.6	4195.2	4207.3	4223.7
-40°	1543.8	1717.6	2257.4	2736.2	3134.6	3501.2	3686.7	3887.3	4043.8	4106.8	4139.9
-42.5°	1478.4	1547.4	1618.3	1969.4	2381.9	2731.4	3077.8	3422.0	3707.8	3869.4	3974.6
-45°	1449.9	1488.4	1529.3	1585.8	1636.5	1931.8	2249.7	2585.1	2960.7	3241.2	3502.5
-47.5°	1366.9	1444.4	1483.5	1507.5	1525.3	1564.3	1599.1	1693.6	2006.1	2251.9	2524.5
-50°	1257.1	1335.9	1399.8	1456.6	1476.0	1485.0	1495.4	1526.9	1576.8	1613.1	1668.0
-52.5°	1130.0	1203.9	1275.1	1335.9	1379.4	1416.8	1452.5	1477.3	1497.5	1518.6	1538.4
-55°	1008.5	1071.5	1132.5	1189.6	1241.4	1284.6	1327.1	1367.5	1405.4	1441.1	1474.4
-57.5°	875.3	938.1	994.3	1045.5	1089.7	1125.7	1167.6	1212.2	1253.9	1291.0	1327.1
-60°	740.7	797.9	851.6	900.1	940.6	972.4	1013.1	1053.1	1091.2	1125.7	1156.0
-62.5°	614.3	663.1	709.4	752.2	790.4	824.5	858.8	893.0	929.1	961.4	989.8
-65°	507.4	546.4	579.2	609.8	635.5	666.4	699.3	729.9	761.7	791.6	818.8
-67.5°	400.0	433.1	460.7	487.1	508.6	530.2	554.7	578.0	600.5	623.7	646.4
-70°	301.9	325.2	342.6	360.6	381.8	401.6	421.3	441.1	459.8	480.2	501.3
-72.5°	225.3	236.6	248.1	262.7	275.4	289.7	303.9	319.1	334.5	349.4	363.2
-75°	180.4	187.6	196.2	203.4	208.8	215.8	223.6	233.2	242.8	252.4	261.5
-77.5°	160.5	165.4	169.4	172.4	175.1	178.7	182.3	189.0	196.2	204.2	212.3
-80°	145.1	148.2	150.9	153.2	155.2	158.2	161.2	167.0	173.2	179.2	185.0
-82.5°	129.4	132.1	134.3	136.3	138.2	141.0	143.8	148.5	153.2	159.0	164.8
-85°	114.2	116.6	118.8	120.6	122.3	124.5	126.6	131.0	135.3	140.0	144.7
-87.5°	101.5	103.4	105.3	106.8	108.4	110.2	112.0	115.5	118.9	122.7	126.4
-90°	2.0	2.0	2.0	1.7	1.3	1.3	1.3	1.3	1.3	1.0	0.7



REPORT NUMBER: P1305552 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	116.3	116.6	116.6	116.6	116.6	116.6	116.3	115.9	112.6	109.3	106.3
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
85°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.6	2.0	1.9
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°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.3	2.0	2.3
77.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.1	2.0	2.0	2.1
75°	2.4	2.0	2.0	2.0	2.0	2.0	2.4	2.7	2.9	3.0	2.9
72.5°	16.3	17.5	18.2	18.7	18.2	17.5	16.3	15.1	13.7	12.2	10.7
70°	21.0	21.2	21.3	21.3	21.3	21.2	21.0	20.6	19.9	19.0	18.0
67.5°	25.9	26.4	26.7	26.7	26.7	26.4	25.9	24.9	23.4	22.0	20.8
65°	16.5	15.3	14.2	13.3	14.2	15.3	16.5	17.3	17.3	17.5	17.9
62.5°	9.9	9.6	9.4	9.3	9.4	9.6	9.9	10.2	10.1	10.7	11.7
60°	5.9	6.1	5.7	5.3	5.7	6.1	5.9	5.9	5.8	6.0	6.4
57.5°	4.3	4.6	5.0	5.3	5.0	4.6	4.3	4.0	3.8	3.8	4.0
55°	6.4	7.0	7.5	8.0	7.5	7.0	6.4	6.0	5.4	5.0	5.4
52.5°	18.6	16.7	16.1	16.7	16.1	16.7	18.6	20.6	21.6	21.6	18.6
50°	105.5	107.6	110.2	113.3	110.2	107.6	105.5	102.5	96.7	88.2	76.3
47.5°	249.2	244.4	240.0	238.5	240.0	244.4	249.2	246.1	235.5	219.9	217.4
45°	472.4	437.6	419.9	430.4	419.9	437.6	472.4	510.3	472.5	413.9	366.8
42.5°	953.3	1004.8	1045.0	1064.1	1045.0	1004.8	953.3	909.2	826.9	746.5	655.7
40°	1195.2	1175.9	1186.3	1202.0	1186.3	1175.9	1195.2	1227.5	1206.9	1244.6	1225.2
37.5°	1471.4	1477.8	1431.3	1355.3	1431.3	1477.8	1471.4	1459.9	1483.3	1468.5	1445.1
35°	1605.3	1688.1	1843.2	1880.4	1843.2	1688.1	1605.3	1574.9	1560.6	1547.5	1528.2
32.5°	1773.0	1858.9	1885.3	1895.7	1885.3	1858.9	1773.0	1674.4	1635.4	1623.9	1615.2
30°	1973.3	2012.1	2002.4	2017.0	2002.4	2012.1	1973.3	1861.7	1775.2	1748.8	1725.8
27.5°	2192.9	2215.6	2208.2	2227.5	2208.2	2215.6	2192.9	2138.1	2013.9	1943.7	1877.0
25°	2759.6	2938.6	2929.2	2971.1	2929.2	2938.6	2759.6	2569.5	2341.0	2228.6	2101.1
22.5°	5590.2	6223.2	6602.2	6969.1	6602.2	6223.2	5590.2	4313.9	3265.5	2760.5	2441.6
20°	12490.6	14314.7	14711.8	14567.1	14711.8	14314.7	12490.6	9610.9	7013.4	4083.1	3150.7
17.5°	26811.5	34089.6	37997.5	38432.1	37997.5	34089.6	26811.5	18680.2	14553.3	9163.9	5137.0
15°	50457.5	63178.0	70400.4	71159.2	70400.4	63178.0	50457.5	38378.6	26686.8	17539.6	10216.8
12.5°	82485.8	102743.3	117614.5	119273.7	117614.5	102743.3	82485.8	63785.0	42728.4	28534.3	17109.0
10°	126357.3	153745.2	175402.5	180678.6	175402.5	153745.2	126357.3	95218.2	67173.0	41605.6	24042.6
7.5°	170145.4	201400.5	226889.8	232887.0	226889.8	201400.5	170145.4	128838.0	89761.1	57924.8	33936.1
5°	204376.0	244366.3	264707.1	271427.7	264707.1	244366.3	204376.0	159359.0	111098.9	72153.3	42374.3
2.5°	230468.1	268228.6	292108.2	301905.6	292108.2	268228.6	230468.1	182694.7	128511.1	82778.0	48974.0
0°	240540.3	277168.1	307577.4	326487.2	307577.4	277168.1	240540.3	191885.5	135292.0	87510.8	50783.7
-2.5°	236592.2	271858.3	297702.6	309969.1	297702.6	271858.3	236592.2	188432.6	133033.2	86383.7	51999.7
-5°	216633.1	252223.1	272205.2	278534.7	272205.2	252223.1	216633.1	171049.1	121518.1	79793.9	48424.6
-7.5°	183186.2	214513.3	238206.7	242453.7	238206.7	214513.3	183186.2	144812.6	102030.3	67811.1	41741.3
-10°	145186.2	172305.2	190380.1	193799.1	190380.1	172305.2	145186.2	112246.2	80259.2	53032.5	31490.8
-12.5°	102915.4	126736.6	141027.2	143664.1	141027.2	126736.6	102915.4	81903.8	58496.6	38172.3	24087.0
-15°	69936.1	84773.9	93435.3	94309.9	93435.3	84773.9	69936.1	54488.1	39257.1	26650.3	15938.7
-17.5°	43759.1	52585.0	57983.3	58033.3	57983.3	52585.0	43759.1	32172.9	24732.5	16474.1	9783.8
-20°	25333.9	29545.6	32565.8	32553.2	32565.8	29545.6	25333.9	18977.8	14018.9	8952.4	6230.7



REPORT NUMBER: P1305552 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	13199.3	15702.5	17523.6	17440.3	17523.6	15702.5	13199.3	9908.5	7285.3	5578.3	4515.6
-25°	6481.4	7439.8	8077.7	8027.9	8077.7	7439.8	6481.4	5450.8	4492.4	4371.3	4250.7
-27.5°	4392.5	4497.9	4570.7	4578.3	4570.7	4497.9	4392.5	4303.4	4200.1	4227.3	4269.0
-30°	4219.8	4243.9	4269.3	4275.8	4269.3	4243.9	4219.8	4226.9	4245.5	4254.5	4267.5
-32.5°	4261.5	4280.3	4308.1	4325.8	4308.1	4280.3	4261.5	4251.1	4247.8	4252.8	4264.4
-35°	4264.5	4286.3	4318.6	4333.1	4318.6	4286.3	4264.5	4251.3	4246.0	4248.1	4236.0
-37.5°	4244.7	4271.4	4299.1	4311.8	4299.1	4271.4	4244.7	4223.7	4207.3	4195.2	4125.6
-40°	4169.4	4196.7	4216.9	4218.5	4216.9	4196.7	4169.4	4139.9	4106.8	4043.8	3887.3
-42.5°	4044.6	4078.4	4094.0	4091.2	4094.0	4078.4	4044.6	3974.6	3869.4	3707.8	3422.0
-45°	3750.2	3870.1	3928.9	3943.3	3928.9	3870.1	3750.2	3502.5	3241.2	2960.7	2585.1
-47.5°	2840.5	3016.2	3128.9	3173.7	3128.9	3016.2	2840.5	2524.5	2251.9	2006.1	1693.6
-50°	1739.8	1756.1	1766.9	1772.4	1766.9	1756.1	1739.8	1668.0	1613.1	1576.8	1526.9
-52.5°	1555.0	1559.6	1562.2	1562.5	1562.2	1559.6	1555.0	1538.4	1518.6	1497.5	1477.3
-55°	1498.4	1507.8	1513.7	1515.2	1513.7	1507.8	1498.4	1474.4	1441.1	1405.4	1367.5
-57.5°	1350.9	1356.3	1362.3	1366.0	1362.3	1356.3	1350.9	1327.1	1291.0	1253.9	1212.2
-60°	1174.1	1179.1	1180.0	1176.7	1180.0	1179.1	1174.1	1156.0	1125.7	1091.2	1053.1
-62.5°	1005.4	1010.0	1014.5	1016.1	1014.5	1010.0	1005.4	989.8	961.4	929.1	893.0
-65°	831.5	833.8	834.9	832.9	834.9	833.8	831.5	818.8	791.6	761.7	729.9
-67.5°	657.1	661.6	668.0	672.3	668.0	661.6	657.1	646.4	623.7	600.5	578.0
-70°	506.1	504.1	508.4	511.7	508.4	504.1	506.1	501.3	480.2	459.8	441.1
-72.5°	365.0	362.7	361.2	358.5	361.2	362.7	365.0	363.2	349.4	334.5	319.1
-75°	261.0	258.4	258.0	257.2	258.0	258.4	261.0	261.5	252.4	242.8	233.2
-77.5°	212.5	211.5	210.2	208.6	210.2	211.5	212.5	212.3	204.2	196.2	189.0
-80°	185.6	185.6	184.8	183.9	184.8	185.6	185.6	185.0	179.2	173.2	167.0
-82.5°	165.0	165.0	164.5	163.9	164.5	165.0	165.0	164.8	159.0	153.2	148.5
-85°	145.0	145.2	144.6	143.9	144.6	145.2	145.0	144.7	140.0	135.3	131.0
-87.5°	126.9	127.3	126.9	126.6	126.9	127.3	126.9	126.4	122.7	118.9	115.5
-90°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	1.0	1.3	1.3



REPORT NUMBER: P130552 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	103.3	101.3	99.3	98.3	97.3	95.3	93.3	90.7	88.0	84.7	81.3
87.5°	1.3	1.6	1.9	2.0	2.0	2.0	2.0	2.0	2.0	2.4	2.7
85°	1.9	1.9	2.0	2.3	2.5	2.5	2.4	2.4	2.4	2.5	2.7
82.5°	2.0	2.3	2.5	2.6	2.7	2.7	2.7	2.8	2.9	2.8	2.8
80°	2.5	2.6	2.7	2.7	2.7	2.8	2.9	3.1	3.3	3.3	3.2
77.5°	2.3	2.5	2.7	2.9	2.9	3.1	3.3	3.3	3.4	3.6	3.7
75°	3.0	3.6	4.0	4.1	4.0	3.5	3.4	3.7	3.8	3.9	4.0
72.5°	9.4	8.7	8.3	8.0	7.4	7.1	6.8	6.3	5.6	4.6	4.0
70°	17.1	16.4	15.9	16.0	16.0	15.5	13.6	11.5	9.7	8.4	6.7
67.5°	20.8	21.7	22.6	23.3	22.9	22.6	21.0	18.6	17.8	16.2	11.8
65°	19.1	20.9	22.0	22.4	22.6	23.9	25.6	25.1	26.1	25.1	19.6
62.5°	13.6	16.0	17.3	18.3	18.5	19.7	23.0	26.6	31.8	33.3	27.0
60°	7.9	9.3	10.9	12.6	13.7	16.1	19.9	25.8	33.2	32.7	30.1
57.5°	5.0	6.1	7.7	9.0	9.4	12.2	16.4	23.7	31.2	30.9	27.2
55°	6.7	7.8	8.6	10.0	10.8	12.8	15.0	21.0	28.1	30.5	29.2
52.5°	13.2	17.8	19.2	17.4	17.3	18.3	19.5	24.3	28.6	32.0	33.3
50°	68.0	74.9	66.0	52.9	54.9	38.5	42.8	41.8	39.9	41.8	40.6
47.5°	208.0	192.5	177.1	163.4	146.3	126.6	122.1	94.4	91.7	68.2	68.0
45°	358.8	340.8	315.3	293.7	282.6	260.7	245.9	224.8	182.8	163.2	113.4
42.5°	652.2	551.7	464.1	424.5	385.5	368.3	356.9	343.1	320.7	281.1	235.1
40°	1108.9	990.3	823.5	609.7	517.2	456.0	434.5	429.8	418.5	397.2	348.6
37.5°	1436.3	1368.9	1201.4	1016.4	766.7	611.6	535.0	493.4	490.8	479.6	447.3
35°	1508.1	1487.7	1455.1	1320.5	1108.2	979.5	724.4	599.6	549.6	540.6	529.8
32.5°	1602.6	1580.9	1551.9	1526.9	1472.3	1455.3	1139.2	791.9	629.1	596.0	578.8
30°	1702.8	1688.6	1669.1	1660.5	1664.9	1658.8	1585.1	1143.6	805.5	649.7	630.0
27.5°	1841.2	1802.7	1787.2	1802.1	1832.2	1849.7	1793.4	1575.2	1054.5	796.3	681.3
25°	2032.8	1975.0	1952.9	1986.3	2039.7	2061.2	2023.9	1880.5	1519.4	992.2	734.9
22.5°	2287.4	2241.8	2231.2	2301.7	2317.6	2340.1	2270.7	2184.7	1990.5	1287.9	898.3
20°	2653.5	2547.6	2543.2	2558.0	2557.7	2546.9	2462.1	2384.5	2171.8	1668.2	1081.4
17.5°	3417.2	2851.8	2767.1	2738.0	2713.5	2653.8	2604.0	2484.4	2330.5	1989.3	1259.1
15°	4934.9	3489.3	3023.0	2957.3	2916.3	2851.6	2787.9	2649.9	2504.9	2188.2	1513.6
12.5°	9505.2	4475.6	3248.9	3097.5	3065.1	3013.7	2935.2	2868.1	2676.2	2367.9	1776.6
10°	13404.3	6492.0	3877.8	3260.5	3148.0	3077.8	3016.7	2948.8	2787.9	2530.3	2033.8
7.5°	18647.8	9477.1	4589.8	3424.7	3253.7	3136.4	3057.2	2989.7	2858.9	2599.3	2204.5
5°	22816.0	11632.5	5142.6	3586.2	3390.4	3250.8	3104.4	3032.4	2902.7	2625.6	2317.0
2.5°	25301.5	13020.0	5475.7	3678.9	3490.9	3400.9	3180.7	3074.3	2919.4	2643.5	2388.3
0°	26761.5	13706.2	5811.0	3727.4	3538.2	3484.2	3301.0	3113.7	2913.2	2649.3	2422.7
-2.5°	27910.2	14406.3	5979.3	3822.1	3611.1	3551.3	3436.9	3266.0	2946.9	2656.6	2442.9
-5°	26626.7	13706.3	5960.9	3880.4	3674.3	3616.4	3525.5	3365.5	2998.0	2672.6	2428.2
-7.5°	23518.0	11845.0	5608.5	3930.0	3741.1	3680.4	3585.8	3428.0	3103.2	2754.7	2394.0
-10°	18459.0	9042.4	4963.9	3976.8	3827.6	3748.1	3644.8	3446.1	3147.2	2819.6	2322.2
-12.5°	13565.1	6877.8	4358.5	3996.6	3927.9	3825.6	3697.9	3439.5	3174.4	2906.8	2274.7
-15°	8784.1	5438.3	4277.7	4067.8	3992.0	3877.5	3724.8	3421.8	3180.5	2959.9	2162.6
-17.5°	6196.2	4467.1	4168.8	4099.8	4016.4	3906.2	3678.5	3400.9	3153.5	2808.0	1931.7
-20°	4526.4	4306.2	4224.9	4146.4	4034.2	3909.4	3604.8	3361.4	3082.2	2495.6	1729.5



REPORT NUMBER: P1305552 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	4310.5	4303.7	4297.7	4207.4	4086.1	3825.7	3542.5	3297.5	2976.5	2187.0	1532.9
-25°	4288.9	4323.0	4320.7	4258.2	4070.3	3767.3	3499.2	3187.4	2626.5	1918.6	1350.2
-27.5°	4294.4	4320.3	4323.5	4230.8	4001.7	3716.8	3426.1	3011.9	2196.0	1632.8	1344.2
-30°	4286.4	4304.0	4261.8	4124.5	3894.0	3628.8	3336.7	2554.3	1858.4	1414.8	1326.6
-32.5°	4273.3	4235.1	4149.2	3953.2	3744.1	3520.7	2860.1	2102.7	1541.8	1389.9	1312.5
-35°	4208.8	4088.2	3917.4	3747.3	3598.2	3018.2	2336.2	1704.1	1448.1	1362.7	1297.7
-37.5°	4009.5	3834.3	3656.7	3452.0	2975.6	2405.7	1791.3	1511.0	1407.4	1345.5	1256.6
-40°	3686.7	3501.2	3134.6	2736.2	2257.4	1717.6	1543.8	1451.0	1389.3	1307.7	1198.5
-42.5°	3077.8	2731.4	2381.9	1969.4	1618.3	1547.4	1478.4	1425.6	1349.1	1241.6	1121.7
-45°	2249.7	1931.8	1636.5	1585.8	1529.3	1488.4	1449.9	1370.3	1275.9	1157.4	1038.4
-47.5°	1599.1	1564.3	1525.3	1507.5	1483.5	1444.4	1366.9	1283.4	1174.8	1060.3	950.3
-50°	1495.4	1485.0	1476.0	1456.6	1399.8	1335.9	1257.1	1174.2	1069.5	963.8	859.5
-52.5°	1452.5	1416.8	1379.4	1335.9	1275.1	1203.9	1130.0	1055.6	964.0	864.3	765.9
-55°	1327.1	1284.6	1241.4	1189.6	1132.5	1071.5	1008.5	934.6	852.4	759.9	670.7
-57.5°	1167.6	1125.7	1089.7	1045.5	994.3	938.1	875.3	805.6	736.5	654.3	574.6
-60°	1013.1	972.4	940.6	900.1	851.6	797.9	740.7	680.5	616.7	557.9	496.3
-62.5°	858.8	824.5	790.4	752.2	709.4	663.1	614.3	568.8	521.9	471.2	414.8
-65°	699.3	666.4	635.5	609.8	579.2	546.4	507.4	467.2	424.9	380.0	331.1
-67.5°	554.7	530.2	508.6	487.1	460.7	433.1	400.0	364.8	330.3	295.6	257.3
-70°	421.3	401.6	381.8	360.6	342.6	325.2	301.9	276.1	246.9	222.9	201.2
-72.5°	303.9	289.7	275.4	262.7	248.1	236.6	225.3	211.5	194.8	176.4	161.3
-75°	223.6	215.8	208.8	203.4	196.2	187.6	180.4	172.2	163.8	154.8	145.8
-77.5°	182.3	178.7	175.1	172.4	169.4	165.4	160.5	153.8	147.2	139.9	132.5
-80°	161.2	158.2	155.2	153.2	150.9	148.2	145.1	139.5	133.6	126.8	120.3
-82.5°	143.8	141.0	138.2	136.3	134.3	132.1	129.4	124.6	119.7	114.3	108.9
-85°	126.6	124.5	122.3	120.6	118.8	116.6	114.2	110.4	106.6	102.0	97.4
-87.5°	112.0	110.2	108.4	106.8	105.3	103.4	101.5	98.5	95.5	91.7	87.8
-90°	1.3	1.3	1.3	1.7	2.0	2.0	2.0	2.0	2.0	2.4	2.7



REPORT NUMBER: P1305552 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	78.0	74.6	71.6	68.6	66.0	63.3	60.3	57.3	53.3	49.3	44.3
87.5°	2.7	2.7	2.9	3.0	3.0	3.0	3.1	3.3	3.3	3.3	3.4
85°	2.8	2.9	3.1	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.5
82.5°	3.0	3.3	3.3	3.3	3.5	3.6	3.6	3.5	3.5	3.4	3.6
80°	3.2	3.3	3.5	3.5	3.7	4.0	3.9	3.8	3.9	3.8	3.9
77.5°	3.6	3.5	3.7	3.9	3.9	4.0	4.1	4.1	4.3	4.3	4.2
75°	4.0	3.9	3.9	4.1	4.1	4.1	4.3	4.5	4.6	4.7	4.5
72.5°	4.0	4.1	4.1	4.2	4.4	4.5	4.6	4.8	4.9	5.0	4.8
70°	5.2	4.5	4.5	4.6	4.7	4.8	4.9	5.1	5.2	5.2	5.1
67.5°	7.4	6.2	5.5	5.1	5.1	5.3	5.3	5.5	5.6	5.5	5.4
65°	14.4	10.0	6.6	6.2	5.8	5.8	6.0	6.1	6.2	6.2	5.8
62.5°	21.1	15.5	11.4	8.4	7.2	7.4	6.7	7.2	6.9	7.0	6.5
60°	27.6	21.4	16.7	13.3	10.7	9.6	9.2	8.4	8.3	7.9	7.4
57.5°	27.1	26.2	23.6	19.0	16.3	13.8	12.4	11.2	9.9	9.5	8.5
55°	26.7	26.7	29.6	26.7	23.4	19.6	17.2	15.0	12.3	11.4	9.7
52.5°	31.1	31.7	34.1	35.7	33.2	27.3	24.8	19.2	17.0	13.5	11.8
50°	38.6	42.0	42.5	46.2	44.3	40.3	33.2	27.4	22.0	16.6	14.0
47.5°	58.5	61.7	58.4	61.5	58.6	55.4	46.7	37.2	27.5	21.7	16.4
45°	112.1	93.6	90.5	85.4	78.6	74.9	63.1	47.9	37.4	27.3	18.8
42.5°	187.0	160.7	145.7	114.3	111.0	97.7	82.4	65.2	48.0	33.3	23.0
40°	292.1	253.0	217.8	182.2	151.2	123.4	107.1	84.7	59.3	41.1	28.5
37.5°	394.2	347.7	307.2	254.2	202.4	165.5	134.3	105.7	73.9	52.1	34.2
35°	479.1	435.7	381.5	324.6	270.2	208.4	163.3	129.2	93.5	63.7	40.0
32.5°	548.8	504.9	442.7	385.2	324.1	251.2	198.7	154.1	113.4	75.8	46.1
30°	600.9	559.0	500.0	432.8	368.0	295.8	234.2	177.9	133.5	88.4	53.1
27.5°	654.8	614.6	555.4	481.2	405.8	334.1	263.4	200.3	153.8	101.2	62.4
25°	708.7	667.5	612.7	534.7	443.7	364.2	289.8	221.7	173.0	114.7	71.1
22.5°	755.8	716.2	669.7	591.1	486.6	393.4	314.7	244.8	186.0	127.2	79.4
20°	799.2	757.6	723.1	639.0	533.1	428.3	338.9	262.8	198.1	138.5	87.1
17.5°	861.1	794.5	751.0	675.7	577.0	464.3	364.1	279.9	209.1	148.8	94.2
15°	1002.8	830.6	778.4	708.1	612.7	498.1	389.2	296.2	219.2	158.0	100.5
12.5°	1132.3	864.9	807.2	735.9	639.6	527.7	413.9	311.7	228.2	166.6	105.8
10°	1263.2	898.2	835.3	762.7	662.5	553.3	437.6	327.7	239.4	174.9	110.6
7.5°	1406.7	930.8	861.6	788.4	682.4	574.2	458.3	345.9	250.2	182.3	114.7
5°	1537.1	960.8	888.8	817.1	702.5	590.7	476.0	362.6	260.1	188.8	118.2
2.5°	1628.5	986.3	915.7	844.0	719.9	604.0	490.9	377.6	268.9	194.2	121.1
0°	1696.5	1008.8	940.2	867.6	734.3	614.3	503.1	390.5	276.5	198.6	123.3
-2.5°	1693.7	1027.7	960.3	890.4	760.9	629.4	511.0	397.3	284.5	204.7	127.8
-5°	1664.7	1044.4	978.4	909.6	783.3	641.1	516.3	401.8	291.0	209.4	131.5
-7.5°	1628.9	1063.0	995.6	925.1	800.5	649.1	519.0	404.2	295.9	212.9	134.4
-10°	1569.9	1081.4	1011.5	932.5	803.9	653.7	519.8	404.6	299.2	215.0	136.4
-12.5°	1497.0	1098.1	1025.0	935.6	802.1	655.9	523.3	404.2	300.5	215.6	137.5
-15°	1400.1	1120.6	1041.5	934.7	796.8	655.1	522.9	401.4	298.1	214.0	137.5
-17.5°	1263.3	1137.4	1057.3	931.5	788.6	651.3	518.5	395.4	293.9	210.1	136.1
-20°	1247.0	1152.9	1066.0	921.4	777.0	643.1	509.8	386.2	288.0	204.8	133.5



REPORT NUMBER: P1305552 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1258.3	1170.5	1061.9	904.5	762.9	631.2	497.3	373.9	280.2	198.2	130.0
-25°	1260.7	1187.3	1055.8	895.3	746.6	614.5	482.7	361.8	270.5	190.2	125.7
-27.5°	1259.8	1184.3	1046.2	875.9	728.7	593.8	466.6	353.3	262.6	181.0	120.4
-30°	1256.8	1152.4	1012.5	847.7	703.9	570.6	447.9	342.7	253.8	173.6	114.3
-32.5°	1239.4	1116.8	969.1	815.8	674.4	544.4	427.1	329.8	243.0	167.4	110.5
-35°	1193.9	1068.5	924.8	779.1	641.9	519.1	406.8	314.6	230.3	159.6	107.2
-37.5°	1144.1	1008.5	879.9	738.9	606.3	490.7	388.0	298.1	215.6	150.3	103.5
-40°	1072.0	943.0	820.6	694.0	569.8	459.0	366.2	279.5	202.3	139.5	98.8
-42.5°	996.4	874.4	757.9	640.9	530.6	430.4	341.7	258.5	188.2	131.2	93.3
-45°	919.8	803.6	692.6	588.7	488.6	398.4	315.1	235.8	172.1	123.9	89.1
-47.5°	838.8	730.8	628.8	533.0	448.8	363.3	284.3	215.4	154.3	115.4	87.4
-50°	755.3	656.5	564.2	481.1	403.4	325.3	252.3	193.0	143.3	105.8	85.3
-52.5°	670.9	581.4	502.6	429.1	355.9	283.9	223.3	169.0	131.1	100.8	83.0
-55°	584.8	512.1	443.5	374.6	306.0	246.9	192.3	152.9	117.9	97.6	80.5
-57.5°	510.0	446.2	381.3	317.2	260.5	209.5	168.4	136.1	111.6	94.0	78.9
-60°	436.3	376.3	316.3	265.2	217.3	178.3	148.6	122.2	106.9	90.4	77.0
-62.5°	359.5	306.2	259.9	215.6	182.2	154.7	130.5	115.9	101.7	87.8	74.9
-65°	287.6	244.9	205.3	179.9	154.9	134.3	122.7	109.2	97.4	84.9	72.6
-67.5°	218.9	195.3	171.8	149.1	135.9	125.1	114.4	103.7	93.2	81.8	70.1
-70°	179.5	158.5	145.0	135.1	125.5	116.1	107.8	98.6	88.8	78.6	67.4
-72.5°	151.5	141.8	132.6	123.8	116.3	108.7	101.3	93.3	84.6	75.3	64.6
-75°	136.8	128.9	121.9	115.0	108.0	101.2	95.1	88.3	80.3	71.8	61.7
-77.5°	125.3	118.4	112.2	106.2	100.4	94.7	89.0	83.0	75.7	68.1	58.6
-80°	114.4	108.7	103.3	97.9	92.9	88.0	82.7	77.4	70.8	64.1	55.4
-82.5°	104.0	99.1	94.2	89.2	84.8	80.3	75.9	71.6	65.7	59.9	52.4
-85°	93.2	89.0	84.6	80.2	76.4	72.5	69.4	66.2	61.4	56.4	49.8
-87.5°	84.4	81.0	77.5	74.0	70.9	67.9	64.9	61.8	57.4	52.9	47.1
-90°	2.7	2.7	2.7	2.7	2.7	2.7	3.0	3.3	3.3	3.3	3.3



REPORT NUMBER: P1305552 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	39.3	32.6	26.0	18.3	10.7	7.0	3.3
87.5°	3.5	3.5	3.4	3.4	3.4	3.4	3.3
85°	3.7	3.6	3.5	3.6	3.5	3.5	3.3
82.5°	3.8	3.8	3.7	3.7	3.7	3.6	3.3
80°	4.0	3.9	3.8	3.9	3.8	3.7	3.3
77.5°	4.2	4.1	3.9	4.0	3.9	3.7	3.3
75°	4.4	4.3	4.1	4.1	4.0	3.8	3.3
72.5°	4.6	4.5	4.3	4.3	4.2	3.9	3.3
70°	4.8	4.8	4.6	4.4	4.3	4.0	3.3
67.5°	5.2	5.0	4.8	4.6	4.4	4.1	3.3
65°	5.6	5.3	5.0	4.8	4.6	4.2	3.3
62.5°	6.0	5.7	5.2	5.0	4.7	4.3	3.3
60°	6.5	6.1	5.5	5.1	4.9	4.4	3.3
57.5°	7.5	6.5	5.9	5.3	5.1	4.5	3.3
55°	8.8	6.9	6.4	5.5	5.2	4.5	3.3
52.5°	10.1	7.5	6.9	5.6	5.5	4.6	3.3
50°	11.5	8.9	7.5	5.8	5.7	4.7	3.3
47.5°	13.1	10.4	8.0	6.0	5.9	4.8	3.3
45°	15.3	11.9	8.6	6.5	6.2	4.9	3.3
42.5°	17.4	13.5	9.3	7.0	6.5	5.0	3.3
40°	19.7	15.1	10.2	7.6	6.7	5.0	3.3
37.5°	22.2	16.7	11.5	8.4	7.0	5.1	3.3
35°	24.8	18.6	12.7	9.2	7.4	5.2	3.3
32.5°	28.1	20.7	14.0	10.1	7.7	5.3	3.3
30°	33.0	22.7	15.3	11.0	8.0	5.4	3.3
27.5°	37.9	24.7	16.9	11.8	8.4	5.4	3.3
25°	42.7	26.7	18.5	12.7	8.7	5.5	3.3
22.5°	47.4	28.8	20.0	13.7	9.1	5.6	3.3
20°	52.0	30.9	21.5	14.6	9.4	5.6	3.3
17.5°	56.2	33.0	23.0	15.5	9.8	5.7	3.3
15°	59.9	35.0	24.4	16.4	10.1	5.7	3.3
12.5°	63.3	36.8	25.7	17.3	10.5	5.8	3.3
10°	66.4	38.6	27.0	18.2	10.8	5.8	3.3
7.5°	69.2	40.3	28.2	19.0	11.1	5.9	3.3
5°	71.6	41.8	29.3	19.8	11.4	5.9	3.3
2.5°	73.6	43.3	30.3	20.6	11.7	6.0	3.3
0°	75.3	44.6	31.3	21.3	12.0	6.0	3.3
-2.5°	77.7	46.5	32.7	22.2	12.6	6.3	3.3
-5°	79.7	48.2	34.0	23.1	13.2	6.5	3.3
-7.5°	81.4	49.8	35.2	24.0	13.8	6.8	3.3
-10°	82.6	51.2	36.3	24.7	14.4	7.0	3.3
-12.5°	83.5	52.5	37.3	25.4	14.9	7.2	3.3
-15°	83.9	53.6	38.2	26.1	15.4	7.4	3.3
-17.5°	83.9	54.5	39.0	26.7	15.8	7.6	3.3
-20°	83.5	55.2	39.7	27.2	16.2	7.8	3.3



REPORT NUMBER: P1305552 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-320L-57-70-2S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	82.9	55.8	40.3	27.6	16.6	8.0	3.3
-25°	81.8	56.3	40.7	28.0	16.9	8.2	3.3
-27.5°	80.1	56.7	41.1	28.4	17.2	8.3	3.3
-30°	78.0	56.8	41.3	28.6	17.4	8.5	3.3
-32.5°	75.4	56.8	41.6	28.8	17.6	8.6	3.3
-35°	74.3	56.7	41.9	28.9	17.7	8.7	3.3
-37.5°	73.9	56.5	41.9	29.0	17.8	8.8	3.3
-40°	73.3	56.4	41.9	29.0	17.8	8.9	3.3
-42.5°	72.4	56.3	41.9	28.9	17.8	8.9	3.3
-45°	71.2	56.0	41.9	28.9	17.8	9.0	3.3
-47.5°	69.8	55.5	41.7	28.8	17.7	9.0	3.3
-50°	68.9	54.9	41.5	28.7	17.5	9.0	3.3
-52.5°	67.9	54.2	41.1	28.4	17.3	9.0	3.3
-55°	66.7	53.5	40.6	28.2	17.0	9.0	3.3
-57.5°	65.4	52.6	40.1	27.8	16.7	8.9	3.3
-60°	63.9	51.6	39.4	27.3	16.4	8.9	3.3
-62.5°	62.3	50.4	38.6	26.8	16.1	8.8	3.3
-65°	60.5	49.0	37.7	26.2	15.8	8.7	3.3
-67.5°	58.6	47.6	36.7	25.5	15.5	8.6	3.3
-70°	56.4	46.0	35.7	24.8	15.1	8.4	3.3
-72.5°	54.3	44.3	34.5	24.1	14.6	8.3	3.3
-75°	52.0	42.6	33.2	23.5	14.1	8.1	3.3
-77.5°	49.6	40.7	32.2	22.7	13.6	8.0	3.3
-80°	47.1	39.1	31.1	22.0	13.1	7.8	3.3
-82.5°	45.2	37.6	29.9	21.1	12.5	7.6	3.3
-85°	43.3	36.0	28.7	20.3	11.9	7.4	3.3
-87.5°	41.3	34.4	27.4	19.3	11.3	7.2	3.3
-90°	3.3	3.3	3.3	3.3	3.3	3.3	3.3

(END OF REPORT)