

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

Brand: EPHESUS

Report Number: P1212202 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-57-80-3S-HEG**

Issue Date: 11/14/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P1212202 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/14/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: EPHESUS  
Catalog Number: EPH-LS12-1000R-57-80-3S-HEG  
Description: EPHESUS LS12 LUMINAIRE  
(12) 5700K, 80 CRI LEDS AND 3S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

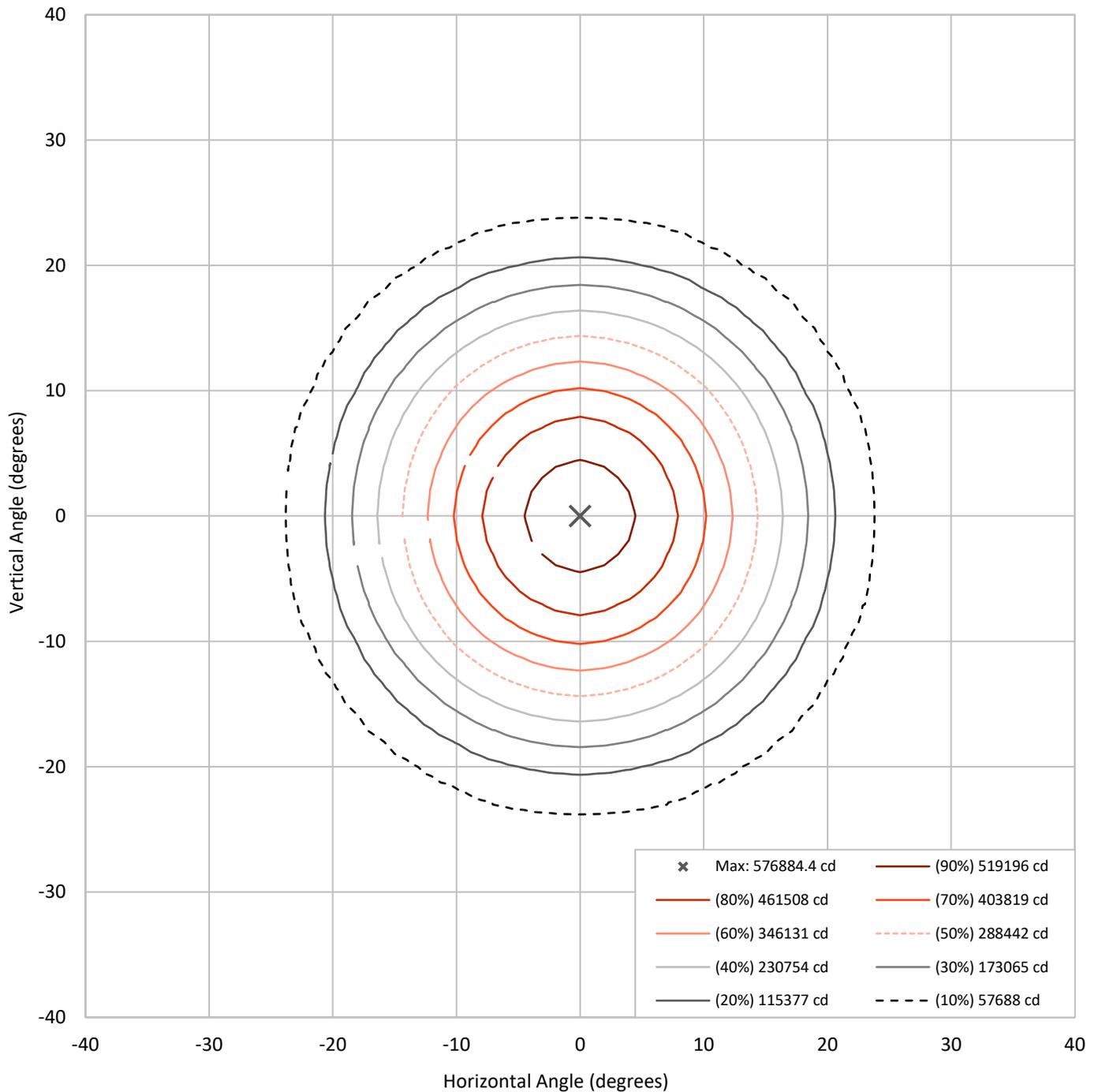
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	161664.2 lumens	Max Intensity:	576884.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	155.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	28.7°H x 28.7°V	Field Angle (10%):	47.6°H x 47.6°V
Beam Lumens:	84558.6 lumens	Field Lumens:	130362.7 lumens
Beam Efficiency:	52.3%	Field Efficiency:	80.6%
Input Watts (W):	1041		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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### Iso-Candela Plot





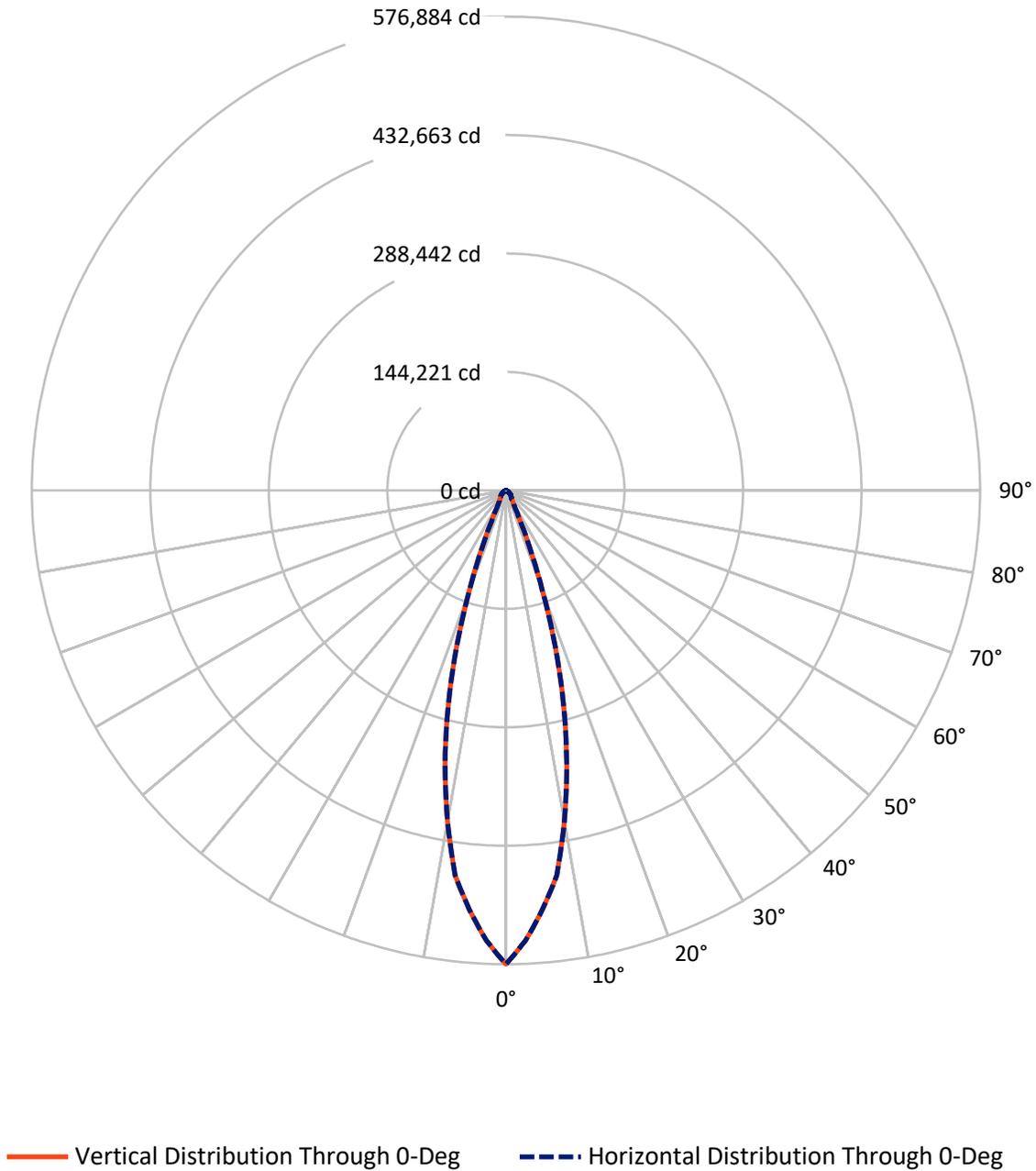
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### Lumen Table

90																
80	0.1	0.7		4.7		13.4		18.0		13.4		4.7		0.7		0.1
70																
60	0.3	0.7	3.5	10.5	21.3	33.4	43.9	49.7	49.7	43.9	33.4	21.3	10.5	3.5	0.7	0.3
50		2.6	12.3	31.3	57.8	90.2	119.6	136.4	136.4	119.6	90.2	57.8	31.3	12.3	2.6	
40	1.7	6.5	25.6	61.4	117.6	178.6	226.1	250.7	250.7	226.1	178.6	117.6	61.4	25.6	6.5	1.7
30		11.4	40.9	101.9	184.1	256.0	322.6	376.3	376.3	322.6	256.0	184.1	101.9	40.9	11.4	
20	4.1	16.1	57.9	140.1	231.7	354.9	720.1	1436.4	1436.4	720.1	354.9	231.7	140.1	57.9	16.1	4.1
10		19.8	72.1	166.5	274.5	679.1	3308.4	7292.3	7292.3	3308.4	679.1	274.5	166.5	72.1	19.8	
0	5.2	21.8	79.8	178.9	311.0	1322.1	7095.5	13827.5	13827.5	7095.5	1322.1	311.0	178.9	79.8	21.8	5.2
-10		21.8	79.8	178.9	311.0	1322.1	7095.5	13827.5	13827.5	7095.5	1322.1	311.0	178.9	79.8	21.8	
-20	4.1	19.8	72.1	166.5	274.5	679.1	3308.4	7292.3	7292.3	3308.4	679.1	274.5	166.5	72.1	19.8	4.1
-30		16.1	57.9	140.1	231.7	354.9	720.1	1436.4	1436.4	720.1	354.9	231.7	140.1	57.9	16.1	
-40	1.7	11.4	40.9	101.9	184.1	256.0	322.6	376.3	376.3	322.6	256.0	184.1	101.9	40.9	11.4	1.7
-50		6.5	25.6	61.4	117.6	178.6	226.1	250.7	250.7	226.1	178.6	117.6	61.4	25.6	6.5	
-60	0.3	2.6	12.3	31.3	57.8	90.2	119.6	136.4	136.4	119.6	90.2	57.8	31.3	12.3	2.6	0.3
-70		0.7	3.5	10.5	21.3	33.4	43.9	49.7	49.7	43.9	33.4	21.3	10.5	3.5	0.7	
-80																
-90	0.1	0.7		4.7		13.4		18.0		13.4		4.7		0.7		0.1

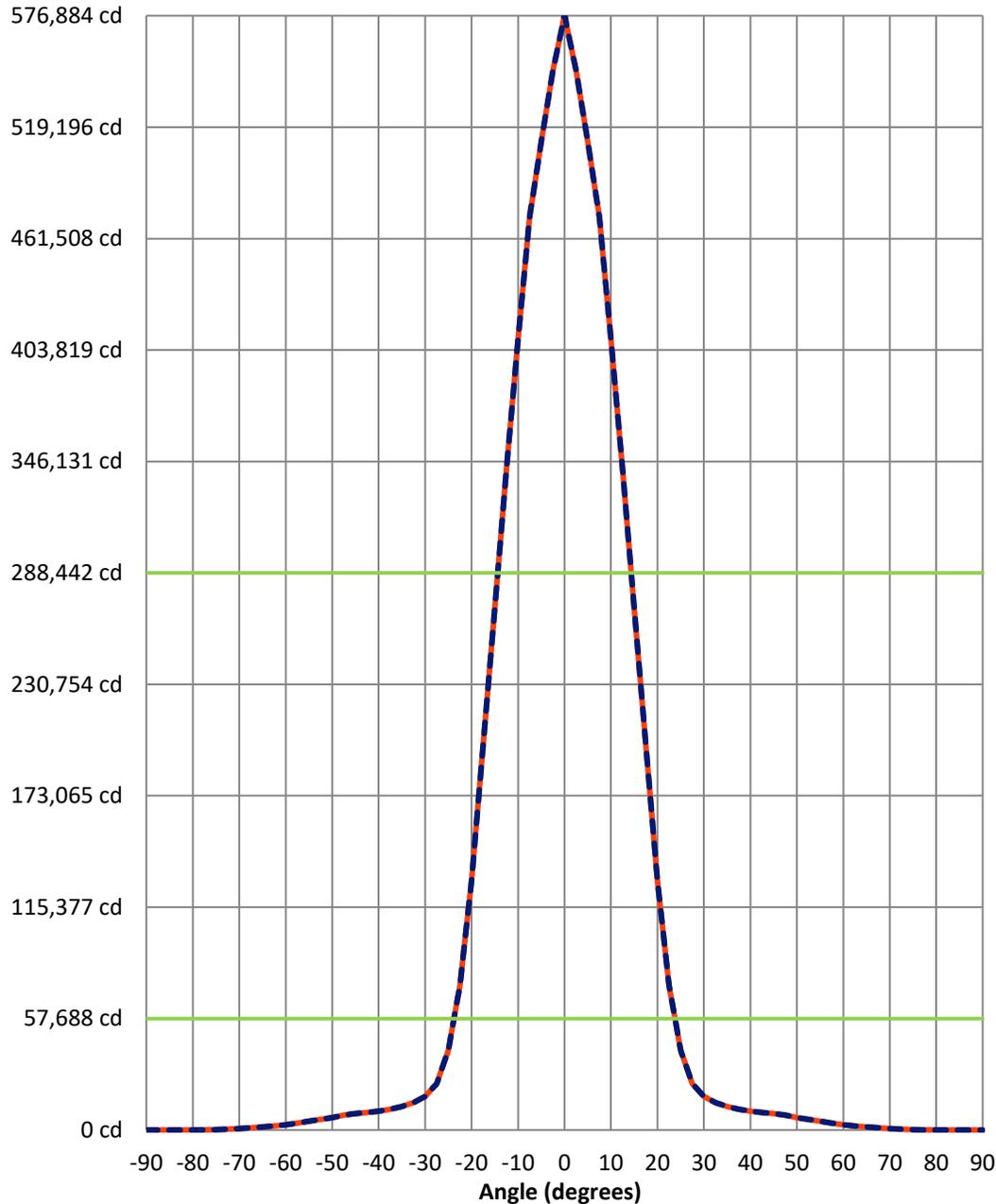
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
H Angle: 28.7°  
V Angle: 28.7°  
Lumens: 84558.6  
Efficiency: 52.3%

**Field:**  
H Angle: 47.6°  
V Angle: 47.6°  
Lumens: 130362.7  
Efficiency: 80.6%

**Spill:**  
Lumens: 31301.4  
Efficiency: 19.4%

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



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.1	1.3	1.5	1.6
85°	0.0	0.3	0.7	1.0	1.3	1.6	2.0	2.3	2.6	2.9	3.2
82.5°	0.0	0.5	1.0	1.5	2.0	2.5	2.9	3.4	3.8	4.1	4.3
80°	0.0	0.7	1.3	2.0	2.6	3.3	3.9	4.2	4.5	4.8	5.1
77.5°	0.0	0.8	1.6	2.5	3.3	3.9	4.3	4.7	5.1	5.5	6.3
75°	0.0	1.0	2.0	2.9	3.9	4.3	4.8	5.3	5.9	7.3	8.7
72.5°	0.0	1.1	2.3	3.4	4.2	4.7	5.3	6.1	7.8	9.4	11.0
70°	0.0	1.3	2.6	3.8	4.5	5.1	5.9	7.8	9.7	11.7	19.3
67.5°	0.0	1.5	2.9	4.1	4.8	5.5	7.3	9.4	11.7	20.3	28.8
65°	0.0	1.6	3.2	4.3	5.1	6.3	8.7	11.0	19.3	28.8	41.4
62.5°	0.0	1.8	3.5	4.5	5.4	7.4	10.0	16.1	26.7	39.1	61.3
60°	0.0	1.9	3.8	4.7	5.7	8.5	11.4	22.5	33.9	56.7	80.9
57.5°	0.0	2.0	3.9	5.0	6.5	9.6	16.2	28.7	47.6	74.0	122.8
55°	0.0	2.2	4.1	5.2	7.4	10.6	21.4	34.7	62.6	97.3	174.3
52.5°	0.0	2.3	4.2	5.4	8.2	12.2	26.5	46.7	77.1	142.6	224.6
50°	0.0	2.4	4.3	5.6	9.0	16.3	31.4	59.1	98.5	186.4	298.4
47.5°	0.0	2.6	4.5	5.8	9.7	20.2	36.9	71.0	136.2	228.8	372.8
45°	0.0	2.7	4.6	6.4	10.5	24.0	46.7	82.5	172.5	292.8	444.6
42.5°	0.0	2.8	4.7	6.9	11.2	27.6	56.1	104.7	207.3	354.7	535.2
40°	0.0	2.9	4.8	7.4	12.9	31.0	65.1	133.8	246.8	413.9	625.5
37.5°	0.0	3.0	4.9	7.9	15.5	34.3	73.6	161.4	296.7	476.1	711.6
35°	0.0	3.1	5.0	8.3	18.0	39.8	81.7	187.6	344.1	549.2	805.0
32.5°	0.0	3.2	5.1	8.8	20.3	46.1	93.3	212.2	388.6	618.1	911.1
30°	0.0	3.3	5.2	9.2	22.5	52.0	112.9	238.3	430.4	682.7	1010.6
27.5°	0.0	3.4	5.3	9.5	24.5	57.5	131.2	272.1	474.4	742.7	1103.2
25°	0.0	3.4	5.3	9.9	26.4	62.5	148.0	303.1	523.3	811.7	1188.8
22.5°	0.0	3.5	5.4	10.2	28.1	67.1	163.3	331.4	567.8	881.3	1271.2
20°	0.0	3.6	5.5	10.4	29.6	71.3	177.1	357.0	608.0	944.1	1345.5
17.5°	0.0	3.6	5.5	10.7	30.9	75.0	189.3	379.7	643.7	999.9	1411.6
15°	0.0	3.7	5.6	10.9	32.1	78.2	200.0	399.4	674.8	1048.6	1469.3
12.5°	0.0	3.7	5.6	11.1	33.1	80.9	209.0	416.2	701.3	1090.1	1518.5
10°	0.0	3.7	5.6	11.2	33.9	83.1	216.5	430.0	723.1	1124.2	1558.9
7.5°	0.0	3.8	5.7	11.4	34.6	84.9	222.3	440.8	740.1	1150.8	1590.5
5°	0.0	3.8	5.7	11.4	35.0	86.1	226.5	448.5	752.2	1169.8	1613.1
2.5°	0.0	3.8	5.7	11.5	35.3	86.8	229.0	453.2	759.6	1181.3	1626.7
0°	0.0	3.8	5.7	11.5	35.4	87.1	229.8	454.7	762.0	1185.1	1631.2
-2.5°	0.0	3.8	5.7	11.5	35.3	86.8	229.0	453.2	759.6	1181.3	1626.7
-5°	0.0	3.8	5.7	11.4	35.0	86.1	226.5	448.5	752.2	1169.8	1613.1
-7.5°	0.0	3.8	5.7	11.4	34.6	84.9	222.3	440.8	740.1	1150.8	1590.5
-10°	0.0	3.7	5.6	11.2	33.9	83.1	216.5	430.0	723.1	1124.2	1558.9
-12.5°	0.0	3.7	5.6	11.1	33.1	80.9	209.0	416.2	701.3	1090.1	1518.5
-15°	0.0	3.7	5.6	10.9	32.1	78.2	200.0	399.4	674.8	1048.6	1469.3
-17.5°	0.0	3.6	5.5	10.7	30.9	75.0	189.3	379.7	643.7	999.9	1411.6
-20°	0.0	3.6	5.5	10.4	29.6	71.3	177.1	357.0	608.0	944.1	1345.5



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 CATALOG NUMBER: EPH-LS12-1000R-57-80-3S-HEG

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	3.5	5.4	10.2	28.1	67.1	163.3	331.4	567.8	881.3	1271.2
-25°	0.0	3.4	5.3	9.9	26.4	62.5	148.0	303.1	523.3	811.7	1188.8
-27.5°	0.0	3.4	5.3	9.5	24.5	57.5	131.2	272.1	474.4	742.7	1103.2
-30°	0.0	3.3	5.2	9.2	22.5	52.0	112.9	238.3	430.4	682.7	1010.6
-32.5°	0.0	3.2	5.1	8.8	20.3	46.1	93.3	212.2	388.6	618.1	911.1
-35°	0.0	3.1	5.0	8.3	18.0	39.8	81.7	187.6	344.1	549.2	805.0
-37.5°	0.0	3.0	4.9	7.9	15.5	34.3	73.6	161.4	296.7	476.1	711.6
-40°	0.0	2.9	4.8	7.4	12.9	31.0	65.1	133.8	246.8	413.9	625.5
-42.5°	0.0	2.8	4.7	6.9	11.2	27.6	56.1	104.7	207.3	354.7	535.2
-45°	0.0	2.7	4.6	6.4	10.5	24.0	46.7	82.5	172.5	292.8	444.6
-47.5°	0.0	2.6	4.5	5.8	9.7	20.2	36.9	71.0	136.2	228.8	372.8
-50°	0.0	2.4	4.3	5.6	9.0	16.3	31.4	59.1	98.5	186.4	298.4
-52.5°	0.0	2.3	4.2	5.4	8.2	12.2	26.5	46.7	77.1	142.6	224.6
-55°	0.0	2.2	4.1	5.2	7.4	10.6	21.4	34.7	62.6	97.3	174.3
-57.5°	0.0	2.0	3.9	5.0	6.5	9.6	16.2	28.7	47.6	74.0	122.8
-60°	0.0	1.9	3.8	4.7	5.7	8.5	11.4	22.5	33.9	56.7	80.9
-62.5°	0.0	1.8	3.5	4.5	5.4	7.4	10.0	16.1	26.7	39.1	61.3
-65°	0.0	1.6	3.2	4.3	5.1	6.3	8.7	11.0	19.3	28.8	41.4
-67.5°	0.0	1.5	2.9	4.1	4.8	5.5	7.3	9.4	11.7	20.3	28.8
-70°	0.0	1.3	2.6	3.8	4.5	5.1	5.9	7.8	9.7	11.7	19.3
-72.5°	0.0	1.1	2.3	3.4	4.2	4.7	5.3	6.1	7.8	9.4	11.0
-75°	0.0	1.0	2.0	2.9	3.9	4.3	4.8	5.3	5.9	7.3	8.7
-77.5°	0.0	0.8	1.6	2.5	3.3	3.9	4.3	4.7	5.1	5.5	6.3
-80°	0.0	0.7	1.3	2.0	2.6	3.3	3.9	4.2	4.5	4.8	5.1
-82.5°	0.0	0.5	1.0	1.5	2.0	2.5	2.9	3.4	3.8	4.1	4.3
-85°	0.0	0.3	0.7	1.0	1.3	1.6	2.0	2.3	2.6	2.9	3.2
-87.5°	0.0	0.2	0.3	0.5	0.7	0.8	1.0	1.1	1.3	1.5	1.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.8	1.9	2.0	2.2	2.3	2.4	2.6	2.7	2.8	2.9	3.0
85°	3.5	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.7	4.8	4.9
82.5°	4.5	4.7	5.0	5.2	5.4	5.6	5.8	6.4	6.9	7.4	7.9
80°	5.4	5.7	6.5	7.4	8.2	9.0	9.7	10.5	11.2	12.9	15.5
77.5°	7.4	8.5	9.6	10.6	12.2	16.3	20.2	24.0	27.6	31.0	34.3
75°	10.0	11.4	16.2	21.4	26.5	31.4	36.9	46.7	56.1	65.1	73.6
72.5°	16.1	22.5	28.7	34.7	46.7	59.1	71.0	82.5	104.7	133.8	161.4
70°	26.7	33.9	47.6	62.6	77.1	98.5	136.2	172.5	207.3	246.8	296.7
67.5°	39.1	56.7	74.0	97.3	142.6	186.4	228.8	292.8	354.7	413.9	476.1
65°	61.3	80.9	122.8	174.3	224.6	298.4	372.8	444.6	535.2	625.5	711.6
62.5°	83.2	135.5	193.6	262.0	349.0	433.6	537.9	646.1	750.1	883.0	1014.1
60°	135.5	200.0	282.3	379.7	481.9	608.0	730.4	881.3	1038.1	1188.8	1340.4
57.5°	193.6	282.3	389.9	510.0	650.4	796.6	979.3	1156.2	1334.5	1507.2	1674.8
55°	262.0	379.7	510.0	664.6	835.9	1038.7	1238.5	1439.8	1634.4	1832.2	2021.7
52.5°	349.0	481.9	650.4	835.9	1058.5	1280.7	1503.6	1725.0	1946.2	2177.9	2450.1
50°	433.6	608.0	796.6	1038.7	1280.7	1524.9	1770.6	2015.2	2301.6	2606.0	2960.9
47.5°	537.9	730.4	979.3	1238.5	1503.6	1770.6	2038.3	2363.9	2700.5	3136.1	3566.6
45°	646.1	881.3	1156.2	1439.8	1725.0	2015.2	2363.9	2732.1	3224.3	3716.2	4244.3
42.5°	750.1	1038.1	1334.5	1634.4	1946.2	2301.6	2700.5	3224.3	3767.8	4349.2	4890.2
40°	883.0	1188.8	1507.2	1832.2	2177.9	2606.0	3136.1	3716.2	4349.2	4940.3	5497.2
37.5°	1014.1	1340.4	1674.8	2021.7	2450.1	2960.9	3566.6	4244.3	4890.2	5497.2	6072.1
35°	1138.5	1484.6	1841.2	2235.1	2709.9	3345.6	4036.2	4740.7	5395.2	6021.2	6713.6
32.5°	1259.9	1620.8	1998.6	2463.1	3041.0	3728.3	4487.7	5193.1	5869.4	6562.9	7485.9
30°	1376.2	1755.6	2161.2	2677.8	3361.0	4125.6	4894.4	5619.5	6316.9	7255.4	8036.8
27.5°	1484.6	1881.9	2345.4	2933.5	3670.1	4498.1	5270.0	6013.3	6876.6	7847.2	8460.3
25°	1584.6	1998.6	2516.0	3189.5	3990.0	4828.2	5617.4	6380.7	7449.1	8219.0	8757.4
22.5°	1678.8	2106.3	2672.3	3424.4	4283.9	5126.4	5931.9	6849.1	7888.7	8558.7	9007.3
20°	1766.3	2235.1	2844.4	3643.2	4550.6	5397.4	6218.2	7297.8	8182.0	8772.0	9283.1
17.5°	1844.2	2349.8	3018.0	3861.8	4776.3	5637.1	6493.6	7700.8	8445.9	8964.4	9554.1
15°	1912.2	2450.1	3169.9	4053.2	4971.9	5844.7	6820.7	7935.2	8636.1	9149.4	9797.3
12.5°	1970.1	2535.6	3299.5	4216.6	5139.0	6022.3	7100.9	8119.5	8771.2	9340.5	10092.9
10°	2017.8	2606.0	3406.2	4351.3	5276.8	6169.1	7332.7	8272.2	8883.2	9499.4	10339.1
7.5°	2055.1	2661.0	3489.7	4456.7	5384.8	6284.1	7514.5	8392.1	8971.3	9624.5	10533.4
5°	2081.8	2700.5	3549.6	4532.4	5462.3	6366.7	7645.2	8478.4	9034.7	9714.8	10673.7
2.5°	2097.8	2724.2	3585.6	4577.9	5509.0	6416.5	7724.0	8530.4	9073.0	9769.3	10758.5
0°	<b>2103.2</b>	<b>2732.1</b>	<b>3597.6</b>	<b>4593.1</b>	<b>5524.6</b>	<b>6433.1</b>	<b>7750.3</b>	<b>8547.8</b>	<b>9085.8</b>	<b>9787.5</b>	<b>10786.9</b>
-2.5°	2097.8	2724.2	3585.6	4577.9	5509.0	6416.5	7724.0	8530.4	9073.0	9769.3	10758.5
-5°	2081.8	2700.5	3549.6	4532.4	5462.3	6366.7	7645.2	8478.4	9034.7	9714.8	10673.7
-7.5°	2055.1	2661.0	3489.7	4456.7	5384.8	6284.1	7514.5	8392.1	8971.3	9624.5	10533.4
-10°	2017.8	2606.0	3406.2	4351.3	5276.8	6169.1	7332.7	8272.2	8883.2	9499.4	10339.1
-12.5°	1970.1	2535.6	3299.5	4216.6	5139.0	6022.3	7100.9	8119.5	8771.2	9340.5	10092.9
-15°	1912.2	2450.1	3169.9	4053.2	4971.9	5844.7	6820.7	7935.2	8636.1	9149.4	9797.3
-17.5°	1844.2	2349.8	3018.0	3861.8	4776.3	5637.1	6493.6	7700.8	8445.9	8964.4	9554.1
-20°	1766.3	2235.1	2844.4	3643.2	4550.6	5397.4	6218.2	7297.8	8182.0	8772.0	9283.1



REPORT NUMBER: P1212202 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-80-3S-HEG

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1678.8	2106.3	2672.3	3424.4	4283.9	5126.4	5931.9	6849.1	7888.7	8558.7	9007.3
-25°	1584.6	1998.6	2516.0	3189.5	3990.0	4828.2	5617.4	6380.7	7449.1	8219.0	8757.4
-27.5°	1484.6	1881.9	2345.4	2933.5	3670.1	4498.1	5270.0	6013.3	6876.6	7847.2	8460.3
-30°	1376.2	1755.6	2161.2	2677.8	3361.0	4125.6	4894.4	5619.5	6316.9	7255.4	8036.8
-32.5°	1259.9	1620.8	1998.6	2463.1	3041.0	3728.3	4487.7	5193.1	5869.4	6562.9	7485.9
-35°	1138.5	1484.6	1841.2	2235.1	2709.9	3345.6	4036.2	4740.7	5395.2	6021.2	6713.6
-37.5°	1014.1	1340.4	1674.8	2021.7	2450.1	2960.9	3566.6	4244.3	4890.2	5497.2	6072.1
-40°	883.0	1188.8	1507.2	1832.2	2177.9	2606.0	3136.1	3716.2	4349.2	4940.3	5497.2
-42.5°	750.1	1038.1	1334.5	1634.4	1946.2	2301.6	2700.5	3224.3	3767.8	4349.2	4890.2
-45°	646.1	881.3	1156.2	1439.8	1725.0	2015.2	2363.9	2732.1	3224.3	3716.2	4244.3
-47.5°	537.9	730.4	979.3	1238.5	1503.6	1770.6	2038.3	2363.9	2700.5	3136.1	3566.6
-50°	433.6	608.0	796.6	1038.7	1280.7	1524.9	1770.6	2015.2	2301.6	2606.0	2960.9
-52.5°	349.0	481.9	650.4	835.9	1058.5	1280.7	1503.6	1725.0	1946.2	2177.9	2450.1
-55°	262.0	379.7	510.0	664.6	835.9	1038.7	1238.5	1439.8	1634.4	1832.2	2021.7
-57.5°	193.6	282.3	389.9	510.0	650.4	796.6	979.3	1156.2	1334.5	1507.2	1674.8
-60°	135.5	200.0	282.3	379.7	481.9	608.0	730.4	881.3	1038.1	1188.8	1340.4
-62.5°	83.2	135.5	193.6	262.0	349.0	433.6	537.9	646.1	750.1	883.0	1014.1
-65°	61.3	80.9	122.8	174.3	224.6	298.4	372.8	444.6	535.2	625.5	711.6
-67.5°	39.1	56.7	74.0	97.3	142.6	186.4	228.8	292.8	354.7	413.9	476.1
-70°	26.7	33.9	47.6	62.6	77.1	98.5	136.2	172.5	207.3	246.8	296.7
-72.5°	16.1	22.5	28.7	34.7	46.7	59.1	71.0	82.5	104.7	133.8	161.4
-75°	10.0	11.4	16.2	21.4	26.5	31.4	36.9	46.7	56.1	65.1	73.6
-77.5°	7.4	8.5	9.6	10.6	12.2	16.3	20.2	24.0	27.6	31.0	34.3
-80°	5.4	5.7	6.5	7.4	8.2	9.0	9.7	10.5	11.2	12.9	15.5
-82.5°	4.5	4.7	5.0	5.2	5.4	5.6	5.8	6.4	6.9	7.4	7.9
-85°	3.5	3.8	3.9	4.1	4.2	4.3	4.5	4.6	4.7	4.8	4.9
-87.5°	1.8	1.9	2.0	2.2	2.3	2.4	2.6	2.7	2.8	2.9	3.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1212202 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-80-3S-HEG

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.1	3.2	3.3	3.4	3.4	3.5	3.6	3.6	3.7	3.7	3.7
85°	5.0	5.1	5.2	5.3	5.3	5.4	5.5	5.5	5.6	5.6	5.6
82.5°	8.3	8.8	9.2	9.5	9.9	10.2	10.4	10.7	10.9	11.1	11.2
80°	18.0	20.3	22.5	24.5	26.4	28.1	29.6	30.9	32.1	33.1	33.9
77.5°	39.8	46.1	52.0	57.5	62.5	67.1	71.3	75.0	78.2	80.9	83.1
75°	81.7	93.3	112.9	131.2	148.0	163.3	177.1	189.3	200.0	209.0	216.5
72.5°	187.6	212.2	238.3	272.1	303.1	331.4	357.0	379.7	399.4	416.2	430.0
70°	344.1	388.6	430.4	474.4	523.3	567.8	608.0	643.7	674.8	701.3	723.1
67.5°	549.2	618.1	682.7	742.7	811.7	881.3	944.1	999.9	1048.6	1090.1	1124.2
65°	805.0	911.1	1010.6	1103.2	1188.8	1271.2	1345.5	1411.6	1469.3	1518.5	1558.9
62.5°	1138.5	1259.9	1376.2	1484.6	1584.6	1678.8	1766.3	1844.2	1912.2	1970.1	2017.8
60°	1484.6	1620.8	1755.6	1881.9	1998.6	2106.3	2235.1	2349.8	2450.1	2535.6	2606.0
57.5°	1841.2	1998.6	2161.2	2345.4	2516.0	2672.3	2844.4	3018.0	3169.9	3299.5	3406.2
55°	2235.1	2463.1	2677.8	2933.5	3189.5	3424.4	3643.2	3861.8	4053.2	4216.6	4351.3
52.5°	2709.9	3041.0	3361.0	3670.1	3990.0	4283.9	4550.6	4776.3	4971.9	5139.0	5276.8
50°	3345.6	3728.3	4125.6	4498.1	4828.2	5126.4	5397.4	5637.1	5844.7	6022.3	6169.1
47.5°	4036.2	4487.7	4894.4	5270.0	5617.4	5931.9	6218.2	6493.6	6820.7	7100.9	7332.7
45°	4740.7	5193.1	5619.5	6013.3	6380.7	6849.1	7297.8	7700.8	7935.2	8119.5	8272.2
42.5°	5395.2	5869.4	6316.9	6876.6	7449.1	7888.7	8182.0	8445.9	8636.1	8771.2	8883.2
40°	6021.2	6562.9	7255.4	7847.2	8219.0	8558.7	8772.0	8964.4	9149.4	9340.5	9499.4
37.5°	6713.6	7485.9	8036.8	8460.3	8757.4	9007.3	9283.1	9554.1	9797.3	10092.9	10339.1
35°	7563.3	8132.7	8588.0	8892.5	9208.3	9558.1	9920.0	10336.8	10707.6	11129.4	11509.3
32.5°	8132.7	8621.3	8960.9	9345.7	9745.7	10261.9	10755.9	11380.5	11949.7	12545.7	13133.7
30°	8588.0	8960.9	9391.8	9863.5	10471.1	11149.3	11901.9	12752.7	13628.6	14500.0	15522.3
27.5°	8892.5	9345.7	9863.5	10541.6	11355.9	12230.0	13377.7	14563.2	16075.3	17401.7	19730.8
25°	9208.3	9745.7	10471.1	11355.9	12383.3	13696.2	15351.8	17164.5	20325.9	23348.2	28879.0
22.5°	9558.1	10261.9	11149.3	12230.0	13696.2	15618.5	18062.5	22143.4	28755.9	37374.8	47895.0
20°	9920.0	10755.9	11901.9	13377.7	15351.8	18062.5	22759.9	32130.6	43893.5	62233.4	79992.0
17.5°	10336.8	11380.5	12752.7	14563.2	17164.5	22143.4	32130.6	47399.0	69667.0	99041.2	127568.8
15°	10707.6	11949.7	13628.6	16075.3	20325.9	28755.9	43893.5	69667.0	105575.0	145209.4	186573.9
12.5°	11129.4	12545.7	14500.0	17401.7	23348.2	37374.8	62233.4	99041.2	145209.4	196620.5	243235.0
10°	11509.3	13133.7	15522.3	19730.8	28879.0	47895.0	79992.0	127568.8	186573.9	243235.0	297036.1
7.5°	11809.7	13600.1	16335.9	21597.4	34249.1	59455.7	100898.2	157600.6	221349.3	283870.3	342694.2
5°	12027.1	13938.3	16927.6	22959.6	38185.2	67978.6	116430.2	180524.4	247891.9	315800.0	377980.0
2.5°	12158.7	14143.4	17287.0	23789.0	40589.7	73207.3	126014.5	194785.9	264603.9	335439.3	401179.9
0°	12202.8	14212.1	17407.6	24067.6	41398.7	74970.4	129256.3	199631.6	270320.9	342070.0	409358.9
-2.5°	12158.7	14143.4	17287.0	23789.0	40589.7	73207.3	126014.5	194785.9	264603.9	335439.3	401179.9
-5°	12027.1	13938.3	16927.6	22959.6	38185.2	67978.6	116430.2	180524.4	247891.9	315800.0	377980.0
-7.5°	11809.7	13600.1	16335.9	21597.4	34249.1	59455.7	100898.2	157600.6	221349.3	283870.3	342694.2
-10°	11509.3	13133.7	15522.3	19730.8	28879.0	47895.0	79992.0	127568.8	186573.9	243235.0	297036.1
-12.5°	11129.4	12545.7	14500.0	17401.7	23348.2	37374.8	62233.4	99041.2	145209.4	196620.5	243235.0
-15°	10707.6	11949.7	13628.6	16075.3	20325.9	28755.9	43893.5	69667.0	105575.0	145209.4	186573.9
-17.5°	10336.8	11380.5	12752.7	14563.2	17164.5	22143.4	32130.6	47399.0	69667.0	99041.2	127568.8
-20°	9920.0	10755.9	11901.9	13377.7	15351.8	18062.5	22759.9	32130.6	43893.5	62233.4	79992.0



REPORT NUMBER: P1212202 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-80-3S-HEG

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9558.1	10261.9	11149.3	12230.0	13696.2	15618.5	18062.5	22143.4	28755.9	37374.8	47895.0
-25°	9208.3	9745.7	10471.1	11355.9	12383.3	13696.2	15351.8	17164.5	20325.9	23348.2	28879.0
-27.5°	8892.5	9345.7	9863.5	10541.6	11355.9	12230.0	13377.7	14563.2	16075.3	17401.7	19730.8
-30°	8588.0	8960.9	9391.8	9863.5	10471.1	11149.3	11901.9	12752.7	13628.6	14500.0	15522.3
-32.5°	8132.7	8621.3	8960.9	9345.7	9745.7	10261.9	10755.9	11380.5	11949.7	12545.7	13133.7
-35°	7563.3	8132.7	8588.0	8892.5	9208.3	9558.1	9920.0	10336.8	10707.6	11129.4	11509.3
-37.5°	6713.6	7485.9	8036.8	8460.3	8757.4	9007.3	9283.1	9554.1	9797.3	10092.9	10339.1
-40°	6021.2	6562.9	7255.4	7847.2	8219.0	8558.7	8772.0	8964.4	9149.4	9340.5	9499.4
-42.5°	5395.2	5869.4	6316.9	6876.6	7449.1	7888.7	8182.0	8445.9	8636.1	8771.2	8883.2
-45°	4740.7	5193.1	5619.5	6013.3	6380.7	6849.1	7297.8	7700.8	7935.2	8119.5	8272.2
-47.5°	4036.2	4487.7	4894.4	5270.0	5617.4	5931.9	6218.2	6493.6	6820.7	7100.9	7332.7
-50°	3345.6	3728.3	4125.6	4498.1	4828.2	5126.4	5397.4	5637.1	5844.7	6022.3	6169.1
-52.5°	2709.9	3041.0	3361.0	3670.1	3990.0	4283.9	4550.6	4776.3	4971.9	5139.0	5276.8
-55°	2235.1	2463.1	2677.8	2933.5	3189.5	3424.4	3643.2	3861.8	4053.2	4216.6	4351.3
-57.5°	1841.2	1998.6	2161.2	2345.4	2516.0	2672.3	2844.4	3018.0	3169.9	3299.5	3406.2
-60°	1484.6	1620.8	1755.6	1881.9	1998.6	2106.3	2235.1	2349.8	2450.1	2535.6	2606.0
-62.5°	1138.5	1259.9	1376.2	1484.6	1584.6	1678.8	1766.3	1844.2	1912.2	1970.1	2017.8
-65°	805.0	911.1	1010.6	1103.2	1188.8	1271.2	1345.5	1411.6	1469.3	1518.5	1558.9
-67.5°	549.2	618.1	682.7	742.7	811.7	881.3	944.1	999.9	1048.6	1090.1	1124.2
-70°	344.1	388.6	430.4	474.4	523.3	567.8	608.0	643.7	674.8	701.3	723.1
-72.5°	187.6	212.2	238.3	272.1	303.1	331.4	357.0	379.7	399.4	416.2	430.0
-75°	81.7	93.3	112.9	131.2	148.0	163.3	177.1	189.3	200.0	209.0	216.5
-77.5°	39.8	46.1	52.0	57.5	62.5	67.1	71.3	75.0	78.2	80.9	83.1
-80°	18.0	20.3	22.5	24.5	26.4	28.1	29.6	30.9	32.1	33.1	33.9
-82.5°	8.3	8.8	9.2	9.5	9.9	10.2	10.4	10.7	10.9	11.1	11.2
-85°	5.0	5.1	5.2	5.3	5.3	5.4	5.5	5.5	5.6	5.6	5.6
-87.5°	3.1	3.2	3.3	3.4	3.4	3.5	3.6	3.6	3.7	3.7	3.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1212202 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-100R-57-80-3S-HEG

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.6
85°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.6	5.5
82.5°	11.4	11.4	11.5	11.5	11.5	11.4	11.4	11.2	11.1	10.9	10.7
80°	34.6	35.0	35.3	35.4	35.3	35.0	34.6	33.9	33.1	32.1	30.9
77.5°	84.9	86.1	86.8	87.1	86.8	86.1	84.9	83.1	80.9	78.2	75.0
75°	222.3	226.5	229.0	229.8	229.0	226.5	222.3	216.5	209.0	200.0	189.3
72.5°	440.8	448.5	453.2	454.7	453.2	448.5	440.8	430.0	416.2	399.4	379.7
70°	740.1	752.2	759.6	762.0	759.6	752.2	740.1	723.1	701.3	674.8	643.7
67.5°	1150.8	1169.8	1181.3	1185.1	1181.3	1169.8	1150.8	1124.2	1090.1	1048.6	999.9
65°	1590.5	1613.1	1626.7	1631.2	1626.7	1613.1	1590.5	1558.9	1518.5	1469.3	1411.6
62.5°	2055.1	2081.8	2097.8	2103.2	2097.8	2081.8	2055.1	2017.8	1970.1	1912.2	1844.2
60°	2661.0	2700.5	2724.2	2732.1	2724.2	2700.5	2661.0	2606.0	2535.6	2450.1	2349.8
57.5°	3489.7	3549.6	3585.6	3597.6	3585.6	3549.6	3489.7	3406.2	3299.5	3169.9	3018.0
55°	4456.7	4532.4	4577.9	4593.1	4577.9	4532.4	4456.7	4351.3	4216.6	4053.2	3861.8
52.5°	5384.8	5462.3	5509.0	5524.6	5509.0	5462.3	5384.8	5276.8	5139.0	4971.9	4776.3
50°	6284.1	6366.7	6416.5	6433.1	6416.5	6366.7	6284.1	6169.1	6022.3	5844.7	5637.1
47.5°	7514.5	7645.2	7724.0	7750.3	7724.0	7645.2	7514.5	7332.7	7100.9	6820.7	6493.6
45°	8392.1	8478.4	8530.4	8547.8	8530.4	8478.4	8392.1	8272.2	8119.5	7935.2	7700.8
42.5°	8971.3	9034.7	9073.0	9085.8	9073.0	9034.7	8971.3	8883.2	8771.2	8636.1	8445.9
40°	9624.5	9714.8	9769.3	9787.5	9769.3	9714.8	9624.5	9499.4	9340.5	9149.4	8964.4
37.5°	10533.4	10673.7	10758.5	10786.9	10758.5	10673.7	10533.4	10339.1	10092.9	9797.3	9554.1
35°	11809.7	12027.1	12158.7	12202.8	12158.7	12027.1	11809.7	11509.3	11129.4	10707.6	10336.8
32.5°	13600.1	13938.3	14143.4	14212.1	14143.4	13938.3	13600.1	13133.7	12545.7	11949.7	11380.5
30°	16335.9	16927.6	17287.0	17407.6	17287.0	16927.6	16335.9	15522.3	14500.0	13628.6	12752.7
27.5°	21597.4	22959.6	23789.0	24067.6	23789.0	22959.6	21597.4	19730.8	17401.7	16075.3	14563.2
25°	34249.1	38185.2	40589.7	41398.7	40589.7	38185.2	34249.1	28879.0	23348.2	20325.9	17164.5
22.5°	59455.7	67978.6	73207.3	74970.4	73207.3	67978.6	59455.7	47895.0	37374.8	28755.9	22143.4
20°	100898.2	116430.2	126014.5	129256.3	126014.5	116430.2	100898.2	79992.0	62233.4	43893.5	32130.6
17.5°	157600.6	180524.4	194785.9	199631.6	194785.9	180524.4	157600.6	127568.8	99041.2	69667.0	47399.0
15°	221349.3	247891.9	264603.9	270320.9	264603.9	247891.9	221349.3	186573.9	145209.4	105575.0	69667.0
12.5°	283870.3	315800.0	335439.3	342070.0	335439.3	315800.0	283870.3	243235.0	196620.5	145209.4	99041.2
10°	342694.2	377980.0	401179.9	409358.9	401179.9	377980.0	342694.2	297036.1	243235.0	186573.9	127568.8
7.5°	393482.6	436616.1	464044.0	472766.5	464044.0	436616.1	393482.6	342694.2	283870.3	221349.3	157600.6
5°	436616.1	482137.5	504609.9	511801.1	504609.9	482137.5	436616.1	377980.0	315800.0	247891.9	180524.4
2.5°	464044.0	504609.9	532993.7	548413.2	532993.7	504609.9	464044.0	401179.9	335439.3	264603.9	194785.9
0°	472766.5	511801.1	548413.2	576884.4	548413.2	511801.1	472766.5	409358.9	342070.0	270320.9	199631.6
-2.5°	464044.0	504609.9	532993.7	548413.2	532993.7	504609.9	464044.0	401179.9	335439.3	264603.9	194785.9
-5°	436616.1	482137.5	504609.9	511801.1	504609.9	482137.5	436616.1	377980.0	315800.0	247891.9	180524.4
-7.5°	393482.6	436616.1	464044.0	472766.5	464044.0	436616.1	393482.6	342694.2	283870.3	221349.3	157600.6
-10°	342694.2	377980.0	401179.9	409358.9	401179.9	377980.0	342694.2	297036.1	243235.0	186573.9	127568.8
-12.5°	283870.3	315800.0	335439.3	342070.0	335439.3	315800.0	283870.3	243235.0	196620.5	145209.4	99041.2
-15°	221349.3	247891.9	264603.9	270320.9	264603.9	247891.9	221349.3	186573.9	145209.4	105575.0	69667.0
-17.5°	157600.6	180524.4	194785.9	199631.6	194785.9	180524.4	157600.6	127568.8	99041.2	69667.0	47399.0
-20°	100898.2	116430.2	126014.5	129256.3	126014.5	116430.2	100898.2	79992.0	62233.4	43893.5	32130.6



REPORT NUMBER: P1212202 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-80-3S-HEG

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	59455.7	67978.6	73207.3	74970.4	73207.3	67978.6	59455.7	47895.0	37374.8	28755.9	22143.4
-25°	34249.1	38185.2	40589.7	41398.7	40589.7	38185.2	34249.1	28879.0	23348.2	20325.9	17164.5
-27.5°	21597.4	22959.6	23789.0	24067.6	23789.0	22959.6	21597.4	19730.8	17401.7	16075.3	14563.2
-30°	16335.9	16927.6	17287.0	17407.6	17287.0	16927.6	16335.9	15522.3	14500.0	13628.6	12752.7
-32.5°	13600.1	13938.3	14143.4	14212.1	14143.4	13938.3	13600.1	13133.7	12545.7	11949.7	11380.5
-35°	11809.7	12027.1	12158.7	12202.8	12158.7	12027.1	11809.7	11509.3	11129.4	10707.6	10336.8
-37.5°	10533.4	10673.7	10758.5	10786.9	10758.5	10673.7	10533.4	10339.1	10092.9	9797.3	9554.1
-40°	9624.5	9714.8	9769.3	9787.5	9769.3	9714.8	9624.5	9499.4	9340.5	9149.4	8964.4
-42.5°	8971.3	9034.7	9073.0	9085.8	9073.0	9034.7	8971.3	8883.2	8771.2	8636.1	8445.9
-45°	8392.1	8478.4	8530.4	8547.8	8530.4	8478.4	8392.1	8272.2	8119.5	7935.2	7700.8
-47.5°	7514.5	7645.2	7724.0	7750.3	7724.0	7645.2	7514.5	7332.7	7100.9	6820.7	6493.6
-50°	6284.1	6366.7	6416.5	6433.1	6416.5	6366.7	6284.1	6169.1	6022.3	5844.7	5637.1
-52.5°	5384.8	5462.3	5509.0	5524.6	5509.0	5462.3	5384.8	5276.8	5139.0	4971.9	4776.3
-55°	4456.7	4532.4	4577.9	4593.1	4577.9	4532.4	4456.7	4351.3	4216.6	4053.2	3861.8
-57.5°	3489.7	3549.6	3585.6	3597.6	3585.6	3549.6	3489.7	3406.2	3299.5	3169.9	3018.0
-60°	2661.0	2700.5	2724.2	2732.1	2724.2	2700.5	2661.0	2606.0	2535.6	2450.1	2349.8
-62.5°	2055.1	2081.8	2097.8	2103.2	2097.8	2081.8	2055.1	2017.8	1970.1	1912.2	1844.2
-65°	1590.5	1613.1	1626.7	1631.2	1626.7	1613.1	1590.5	1558.9	1518.5	1469.3	1411.6
-67.5°	1150.8	1169.8	1181.3	1185.1	1181.3	1169.8	1150.8	1124.2	1090.1	1048.6	999.9
-70°	740.1	752.2	759.6	762.0	759.6	752.2	740.1	723.1	701.3	674.8	643.7
-72.5°	440.8	448.5	453.2	454.7	453.2	448.5	440.8	430.0	416.2	399.4	379.7
-75°	222.3	226.5	229.0	229.8	229.0	226.5	222.3	216.5	209.0	200.0	189.3
-77.5°	84.9	86.1	86.8	87.1	86.8	86.1	84.9	83.1	80.9	78.2	75.0
-80°	34.6	35.0	35.3	35.4	35.3	35.0	34.6	33.9	33.1	32.1	30.9
-82.5°	11.4	11.4	11.5	11.5	11.5	11.4	11.4	11.2	11.1	10.9	10.7
-85°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.6	5.5
-87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.7	3.7	3.7	3.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1212202 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-80-3S-HEG

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.6	3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7
85°	5.5	5.4	5.3	5.3	5.2	5.1	5.0	4.9	4.8	4.7	4.6
82.5°	10.4	10.2	9.9	9.5	9.2	8.8	8.3	7.9	7.4	6.9	6.4
80°	29.6	28.1	26.4	24.5	22.5	20.3	18.0	15.5	12.9	11.2	10.5
77.5°	71.3	67.1	62.5	57.5	52.0	46.1	39.8	34.3	31.0	27.6	24.0
75°	177.1	163.3	148.0	131.2	112.9	93.3	81.7	73.6	65.1	56.1	46.7
72.5°	357.0	331.4	303.1	272.1	238.3	212.2	187.6	161.4	133.8	104.7	82.5
70°	608.0	567.8	523.3	474.4	430.4	388.6	344.1	296.7	246.8	207.3	172.5
67.5°	944.1	881.3	811.7	742.7	682.7	618.1	549.2	476.1	413.9	354.7	292.8
65°	1345.5	1271.2	1188.8	1103.2	1010.6	911.1	805.0	711.6	625.5	535.2	444.6
62.5°	1766.3	1678.8	1584.6	1484.6	1376.2	1259.9	1138.5	1014.1	883.0	750.1	646.1
60°	2235.1	2106.3	1998.6	1881.9	1755.6	1620.8	1484.6	1340.4	1188.8	1038.1	881.3
57.5°	2844.4	2672.3	2516.0	2345.4	2161.2	1998.6	1841.2	1674.8	1507.2	1334.5	1156.2
55°	3643.2	3424.4	3189.5	2933.5	2677.8	2463.1	2235.1	2021.7	1832.2	1634.4	1439.8
52.5°	4550.6	4283.9	3990.0	3670.1	3361.0	3041.0	2709.9	2450.1	2177.9	1946.2	1725.0
50°	5397.4	5126.4	4828.2	4498.1	4125.6	3728.3	3345.6	2960.9	2606.0	2301.6	2015.2
47.5°	6218.2	5931.9	5617.4	5270.0	4894.4	4487.7	4036.2	3566.6	3136.1	2700.5	2363.9
45°	7297.8	6849.1	6380.7	6013.3	5619.5	5193.1	4740.7	4244.3	3716.2	3224.3	2732.1
42.5°	8182.0	7888.7	7449.1	6876.6	6316.9	5869.4	5395.2	4890.2	4349.2	3767.8	3224.3
40°	8772.0	8558.7	8219.0	7847.2	7255.4	6562.9	6021.2	5497.2	4940.3	4349.2	3716.2
37.5°	9283.1	9007.3	8757.4	8460.3	8036.8	7485.9	6713.6	6072.1	5497.2	4890.2	4244.3
35°	9920.0	9558.1	9208.3	8892.5	8588.0	8132.7	7563.3	6713.6	6021.2	5395.2	4740.7
32.5°	10755.9	10261.9	9745.7	9345.7	8960.9	8621.3	8132.7	7485.9	6562.9	5869.4	5193.1
30°	11901.9	11149.3	10471.1	9863.5	9391.8	8960.9	8588.0	8036.8	7255.4	6316.9	5619.5
27.5°	13377.7	12230.0	11355.9	10541.6	9863.5	9345.7	8892.5	8460.3	7847.2	6876.6	6013.3
25°	15351.8	13696.2	12383.3	11355.9	10471.1	9745.7	9208.3	8757.4	8219.0	7449.1	6380.7
22.5°	18062.5	15618.5	13696.2	12230.0	11149.3	10261.9	9558.1	9007.3	8558.7	7888.7	6849.1
20°	22759.9	18062.5	15351.8	13377.7	11901.9	10755.9	9920.0	9283.1	8772.0	8182.0	7297.8
17.5°	32130.6	22143.4	17164.5	14563.2	12752.7	11380.5	10336.8	9554.1	8964.4	8445.9	7700.8
15°	43893.5	28755.9	20325.9	16075.3	13628.6	11949.7	10707.6	9797.3	9149.4	8636.1	7935.2
12.5°	62233.4	37374.8	23348.2	17401.7	14500.0	12545.7	11129.4	10092.9	9340.5	8771.2	8119.5
10°	79992.0	47895.0	28879.0	19730.8	15522.3	13133.7	11509.3	10339.1	9499.4	8883.2	8272.2
7.5°	100898.2	59455.7	34249.1	21597.4	16335.9	13600.1	11809.7	10533.4	9624.5	8971.3	8392.1
5°	116430.2	67978.6	38185.2	22959.6	16927.6	13938.3	12027.1	10673.7	9714.8	9034.7	8478.4
2.5°	126014.5	73207.3	40589.7	23789.0	17287.0	14143.4	12158.7	10758.5	9769.3	9073.0	8530.4
0°	129256.3	74970.4	41398.7	24067.6	17407.6	14212.1	12202.8	10786.9	9787.5	9085.8	8547.8
-2.5°	126014.5	73207.3	40589.7	23789.0	17287.0	14143.4	12158.7	10758.5	9769.3	9073.0	8530.4
-5°	116430.2	67978.6	38185.2	22959.6	16927.6	13938.3	12027.1	10673.7	9714.8	9034.7	8478.4
-7.5°	100898.2	59455.7	34249.1	21597.4	16335.9	13600.1	11809.7	10533.4	9624.5	8971.3	8392.1
-10°	79992.0	47895.0	28879.0	19730.8	15522.3	13133.7	11509.3	10339.1	9499.4	8883.2	8272.2
-12.5°	62233.4	37374.8	23348.2	17401.7	14500.0	12545.7	11129.4	10092.9	9340.5	8771.2	8119.5
-15°	43893.5	28755.9	20325.9	16075.3	13628.6	11949.7	10707.6	9797.3	9149.4	8636.1	7935.2
-17.5°	32130.6	22143.4	17164.5	14563.2	12752.7	11380.5	10336.8	9554.1	8964.4	8445.9	7700.8
-20°	22759.9	18062.5	15351.8	13377.7	11901.9	10755.9	9920.0	9283.1	8772.0	8182.0	7297.8



REPORT NUMBER: P1212202 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-80-3S-HEG

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	18062.5	15618.5	13696.2	12230.0	11149.3	10261.9	9558.1	9007.3	8558.7	7888.7	6849.1
-25°	15351.8	13696.2	12383.3	11355.9	10471.1	9745.7	9208.3	8757.4	8219.0	7449.1	6380.7
-27.5°	13377.7	12230.0	11355.9	10541.6	9863.5	9345.7	8892.5	8460.3	7847.2	6876.6	6013.3
-30°	11901.9	11149.3	10471.1	9863.5	9391.8	8960.9	8588.0	8036.8	7255.4	6316.9	5619.5
-32.5°	10755.9	10261.9	9745.7	9345.7	8960.9	8621.3	8132.7	7485.9	6562.9	5869.4	5193.1
-35°	9920.0	9558.1	9208.3	8892.5	8588.0	8132.7	7563.3	6713.6	6021.2	5395.2	4740.7
-37.5°	9283.1	9007.3	8757.4	8460.3	8036.8	7485.9	6713.6	6072.1	5497.2	4890.2	4244.3
-40°	8772.0	8558.7	8219.0	7847.2	7255.4	6562.9	6021.2	5497.2	4940.3	4349.2	3716.2
-42.5°	8182.0	7888.7	7449.1	6876.6	6316.9	5869.4	5395.2	4890.2	4349.2	3767.8	3224.3
-45°	7297.8	6849.1	6380.7	6013.3	5619.5	5193.1	4740.7	4244.3	3716.2	3224.3	2732.1
-47.5°	6218.2	5931.9	5617.4	5270.0	4894.4	4487.7	4036.2	3566.6	3136.1	2700.5	2363.9
-50°	5397.4	5126.4	4828.2	4498.1	4125.6	3728.3	3345.6	2960.9	2606.0	2301.6	2015.2
-52.5°	4550.6	4283.9	3990.0	3670.1	3361.0	3041.0	2709.9	2450.1	2177.9	1946.2	1725.0
-55°	3643.2	3424.4	3189.5	2933.5	2677.8	2463.1	2235.1	2021.7	1832.2	1634.4	1439.8
-57.5°	2844.4	2672.3	2516.0	2345.4	2161.2	1998.6	1841.2	1674.8	1507.2	1334.5	1156.2
-60°	2235.1	2106.3	1998.6	1881.9	1755.6	1620.8	1484.6	1340.4	1188.8	1038.1	881.3
-62.5°	1766.3	1678.8	1584.6	1484.6	1376.2	1259.9	1138.5	1014.1	883.0	750.1	646.1
-65°	1345.5	1271.2	1188.8	1103.2	1010.6	911.1	805.0	711.6	625.5	535.2	444.6
-67.5°	944.1	881.3	811.7	742.7	682.7	618.1	549.2	476.1	413.9	354.7	292.8
-70°	608.0	567.8	523.3	474.4	430.4	388.6	344.1	296.7	246.8	207.3	172.5
-72.5°	357.0	331.4	303.1	272.1	238.3	212.2	187.6	161.4	133.8	104.7	82.5
-75°	177.1	163.3	148.0	131.2	112.9	93.3	81.7	73.6	65.1	56.1	46.7
-77.5°	71.3	67.1	62.5	57.5	52.0	46.1	39.8	34.3	31.0	27.6	24.0
-80°	29.6	28.1	26.4	24.5	22.5	20.3	18.0	15.5	12.9	11.2	10.5
-82.5°	10.4	10.2	9.9	9.5	9.2	8.8	8.3	7.9	7.4	6.9	6.4
-85°	5.5	5.4	5.3	5.3	5.2	5.1	5.0	4.9	4.8	4.7	4.6
-87.5°	3.6	3.5	3.4	3.4	3.3	3.2	3.1	3.0	2.9	2.8	2.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1212202 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-80-3S-HEG

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.6	2.4	2.3	2.2	2.0	1.9	1.8	1.6	1.5	1.3	1.1
85°	4.5	4.3	4.2	4.1	3.9	3.8	3.5	3.2	2.9	2.6	2.3
82.5°	5.8	5.6	5.4	5.2	5.0	4.7	4.5	4.3	4.1	3.8	3.4
80°	9.7	9.0	8.2	7.4	6.5	5.7	5.4	5.1	4.8	4.5	4.2
77.5°	20.2	16.3	12.2	10.6	9.6	8.5	7.4	6.3	5.5	5.1	4.7
75°	36.9	31.4	26.5	21.4	16.2	11.4	10.0	8.7	7.3	5.9	5.3
72.5°	71.0	59.1	46.7	34.7	28.7	22.5	16.1	11.0	9.4	7.8	6.1
70°	136.2	98.5	77.1	62.6	47.6	33.9	26.7	19.3	11.7	9.7	7.8
67.5°	228.8	186.4	142.6	97.3	74.0	56.7	39.1	28.8	20.3	11.7	9.4
65°	372.8	298.4	224.6	174.3	122.8	80.9	61.3	41.4	28.8	19.3	11.0
62.5°	537.9	433.6	349.0	262.0	193.6	135.5	83.2	61.3	39.1	26.7	16.1
60°	730.4	608.0	481.9	379.7	282.3	200.0	135.5	80.9	56.7	33.9	22.5
57.5°	979.3	796.6	650.4	510.0	389.9	282.3	193.6	122.8	74.0	47.6	28.7
55°	1238.5	1038.7	835.9	664.6	510.0	379.7	262.0	174.3	97.3	62.6	34.7
52.5°	1503.6	1280.7	1058.5	835.9	650.4	481.9	349.0	224.6	142.6	77.1	46.7
50°	1770.6	1524.9	1280.7	1038.7	796.6	608.0	433.6	298.4	186.4	98.5	59.1
47.5°	2038.3	1770.6	1503.6	1238.5	979.3	730.4	537.9	372.8	228.8	136.2	71.0
45°	2363.9	2015.2	1725.0	1439.8	1156.2	881.3	646.1	444.6	292.8	172.5	82.5
42.5°	2700.5	2301.6	1946.2	1634.4	1334.5	1038.1	750.1	535.2	354.7	207.3	104.7
40°	3136.1	2606.0	2177.9	1832.2	1507.2	1188.8	883.0	625.5	413.9	246.8	133.8
37.5°	3566.6	2960.9	2450.1	2021.7	1674.8	1340.4	1014.1	711.6	476.1	296.7	161.4
35°	4036.2	3345.6	2709.9	2235.1	1841.2	1484.6	1138.5	805.0	549.2	344.1	187.6
32.5°	4487.7	3728.3	3041.0	2463.1	1998.6	1620.8	1259.9	911.1	618.1	388.6	212.2
30°	4894.4	4125.6	3361.0	2677.8	2161.2	1755.6	1376.2	1010.6	682.7	430.4	238.3
27.5°	5270.0	4498.1	3670.1	2933.5	2345.4	1881.9	1484.6	1103.2	742.7	474.4	272.1
25°	5617.4	4828.2	3990.0	3189.5	2516.0	1998.6	1584.6	1188.8	811.7	523.3	303.1
22.5°	5931.9	5126.4	4283.9	3424.4	2672.3	2106.3	1678.8	1271.2	881.3	567.8	331.4
20°	6218.2	5397.4	4550.6	3643.2	2844.4	2235.1	1766.3	1345.5	944.1	608.0	357.0
17.5°	6493.6	5637.1	4776.3	3861.8	3018.0	2349.8	1844.2	1411.6	999.9	643.7	379.7
15°	6820.7	5844.7	4971.9	4053.2	3169.9	2450.1	1912.2	1469.3	1048.6	674.8	399.4
12.5°	7100.9	6022.3	5139.0	4216.6	3299.5	2535.6	1970.1	1518.5	1090.1	701.3	416.2
10°	7332.7	6169.1	5276.8	4351.3	3406.2	2606.0	2017.8	1558.9	1124.2	723.1	430.0
7.5°	7514.5	6284.1	5384.8	4456.7	3489.7	2661.0	2055.1	1590.5	1150.8	740.1	440.8
5°	7645.2	6366.7	5462.3	4532.4	3549.6	2700.5	2081.8	1613.1	1169.8	752.2	448.5
2.5°	7724.0	6416.5	5509.0	4577.9	3585.6	2724.2	2097.8	1626.7	1181.3	759.6	453.2
0°	7750.3	6433.1	5524.6	4593.1	3597.6	2732.1	2103.2	1631.2	1185.1	762.0	454.7
-2.5°	7724.0	6416.5	5509.0	4577.9	3585.6	2724.2	2097.8	1626.7	1181.3	759.6	453.2
-5°	7645.2	6366.7	5462.3	4532.4	3549.6	2700.5	2081.8	1613.1	1169.8	752.2	448.5
-7.5°	7514.5	6284.1	5384.8	4456.7	3489.7	2661.0	2055.1	1590.5	1150.8	740.1	440.8
-10°	7332.7	6169.1	5276.8	4351.3	3406.2	2606.0	2017.8	1558.9	1124.2	723.1	430.0
-12.5°	7100.9	6022.3	5139.0	4216.6	3299.5	2535.6	1970.1	1518.5	1090.1	701.3	416.2
-15°	6820.7	5844.7	4971.9	4053.2	3169.9	2450.1	1912.2	1469.3	1048.6	674.8	399.4
-17.5°	6493.6	5637.1	4776.3	3861.8	3018.0	2349.8	1844.2	1411.6	999.9	643.7	379.7
-20°	6218.2	5397.4	4550.6	3643.2	2844.4	2235.1	1766.3	1345.5	944.1	608.0	357.0



REPORT NUMBER: P1212202 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-80-3S-HEG

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5931.9	5126.4	4283.9	3424.4	2672.3	2106.3	1678.8	1271.2	881.3	567.8	331.4
-25°	5617.4	4828.2	3990.0	3189.5	2516.0	1998.6	1584.6	1188.8	811.7	523.3	303.1
-27.5°	5270.0	4498.1	3670.1	2933.5	2345.4	1881.9	1484.6	1103.2	742.7	474.4	272.1
-30°	4894.4	4125.6	3361.0	2677.8	2161.2	1755.6	1376.2	1010.6	682.7	430.4	238.3
-32.5°	4487.7	3728.3	3041.0	2463.1	1998.6	1620.8	1259.9	911.1	618.1	388.6	212.2
-35°	4036.2	3345.6	2709.9	2235.1	1841.2	1484.6	1138.5	805.0	549.2	344.1	187.6
-37.5°	3566.6	2960.9	2450.1	2021.7	1674.8	1340.4	1014.1	711.6	476.1	296.7	161.4
-40°	3136.1	2606.0	2177.9	1832.2	1507.2	1188.8	883.0	625.5	413.9	246.8	133.8
-42.5°	2700.5	2301.6	1946.2	1634.4	1334.5	1038.1	750.1	535.2	354.7	207.3	104.7
-45°	2363.9	2015.2	1725.0	1439.8	1156.2	881.3	646.1	444.6	292.8	172.5	82.5
-47.5°	2038.3	1770.6	1503.6	1238.5	979.3	730.4	537.9	372.8	228.8	136.2	71.0
-50°	1770.6	1524.9	1280.7	1038.7	796.6	608.0	433.6	298.4	186.4	98.5	59.1
-52.5°	1503.6	1280.7	1058.5	835.9	650.4	481.9	349.0	224.6	142.6	77.1	46.7
-55°	1238.5	1038.7	835.9	664.6	510.0	379.7	262.0	174.3	97.3	62.6	34.7
-57.5°	979.3	796.6	650.4	510.0	389.9	282.3	193.6	122.8	74.0	47.6	28.7
-60°	730.4	608.0	481.9	379.7	282.3	200.0	135.5	80.9	56.7	33.9	22.5
-62.5°	537.9	433.6	349.0	262.0	193.6	135.5	83.2	61.3	39.1	26.7	16.1
-65°	372.8	298.4	224.6	174.3	122.8	80.9	61.3	41.4	28.8	19.3	11.0
-67.5°	228.8	186.4	142.6	97.3	74.0	56.7	39.1	28.8	20.3	11.7	9.4
-70°	136.2	98.5	77.1	62.6	47.6	33.9	26.7	19.3	11.7	9.7	7.8
-72.5°	71.0	59.1	46.7	34.7	28.7	22.5	16.1	11.0	9.4	7.8	6.1
-75°	36.9	31.4	26.5	21.4	16.2	11.4	10.0	8.7	7.3	5.9	5.3
-77.5°	20.2	16.3	12.2	10.6	9.6	8.5	7.4	6.3	5.5	5.1	4.7
-80°	9.7	9.0	8.2	7.4	6.5	5.7	5.4	5.1	4.8	4.5	4.2
-82.5°	5.8	5.6	5.4	5.2	5.0	4.7	4.5	4.3	4.1	3.8	3.4
-85°	4.5	4.3	4.2	4.1	3.9	3.8	3.5	3.2	2.9	2.6	2.3
-87.5°	2.6	2.4	2.3	2.2	2.0	1.9	1.8	1.6	1.5	1.3	1.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1212202 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-80-3S-HEG

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.0	0.8	0.7	0.5	0.3	0.2	0.0
85°	2.0	1.6	1.3	1.0	0.7	0.3	0.0
82.5°	2.9	2.5	2.0	1.5	1.0	0.5	0.0
80°	3.9	3.3	2.6	2.0	1.3	0.7	0.0
77.5°	4.3	3.9	3.3	2.5	1.6	0.8	0.0
75°	4.8	4.3	3.9	2.9	2.0	1.0	0.0
72.5°	5.3	4.7	4.2	3.4	2.3	1.1	0.0
70°	5.9	5.1	4.5	3.8	2.6	1.3	0.0
67.5°	7.3	5.5	4.8	4.1	2.9	1.5	0.0
65°	8.7	6.3	5.1	4.3	3.2	1.6	0.0
62.5°	10.0	7.4	5.4	4.5	3.5	1.8	0.0
60°	11.4	8.5	5.7	4.7	3.8	1.9	0.0
57.5°	16.2	9.6	6.5	5.0	3.9	2.0	0.0
55°	21.4	10.6	7.4	5.2	4.1	2.2	0.0
52.5°	26.5	12.2	8.2	5.4	4.2	2.3	0.0
50°	31.4	16.3	9.0	5.6	4.3	2.4	0.0
47.5°	36.9	20.2	9.7	5.8	4.5	2.6	0.0
45°	46.7	24.0	10.5	6.4	4.6	2.7	0.0
42.5°	56.1	27.6	11.2	6.9	4.7	2.8	0.0
40°	65.1	31.0	12.9	7.4	4.8	2.9	0.0
37.5°	73.6	34.3	15.5	7.9	4.9	3.0	0.0
35°	81.7	39.8	18.0	8.3	5.0	3.1	0.0
32.5°	93.3	46.1	20.3	8.8	5.1	3.2	0.0
30°	112.9	52.0	22.5	9.2	5.2	3.3	0.0
27.5°	131.2	57.5	24.5	9.5	5.3	3.4	0.0
25°	148.0	62.5	26.4	9.9	5.3	3.4	0.0
22.5°	163.3	67.1	28.1	10.2	5.4	3.5	0.0
20°	177.1	71.3	29.6	10.4	5.5	3.6	0.0
17.5°	189.3	75.0	30.9	10.7	5.5	3.6	0.0
15°	200.0	78.2	32.1	10.9	5.6	3.7	0.0
12.5°	209.0	80.9	33.1	11.1	5.6	3.7	0.0
10°	216.5	83.1	33.9	11.2	5.6	3.7	0.0
7.5°	222.3	84.9	34.6	11.4	5.7	3.8	0.0
5°	226.5	86.1	35.0	11.4	5.7	3.8	0.0
2.5°	229.0	86.8	35.3	11.5	5.7	3.8	0.0
0°	229.8	87.1	35.4	11.5	5.7	3.8	0.0
-2.5°	229.0	86.8	35.3	11.5	5.7	3.8	0.0
-5°	226.5	86.1	35.0	11.4	5.7	3.8	0.0
-7.5°	222.3	84.9	34.6	11.4	5.7	3.8	0.0
-10°	216.5	83.1	33.9	11.2	5.6	3.7	0.0
-12.5°	209.0	80.9	33.1	11.1	5.6	3.7	0.0
-15°	200.0	78.2	32.1	10.9	5.6	3.7	0.0
-17.5°	189.3	75.0	30.9	10.7	5.5	3.6	0.0
-20°	177.1	71.3	29.6	10.4	5.5	3.6	0.0



REPORT NUMBER: P1212202 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-80-3S-HEG

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	163.3	67.1	28.1	10.2	5.4	3.5	0.0
-25°	148.0	62.5	26.4	9.9	5.3	3.4	0.0
-27.5°	131.2	57.5	24.5	9.5	5.3	3.4	0.0
-30°	112.9	52.0	22.5	9.2	5.2	3.3	0.0
-32.5°	93.3	46.1	20.3	8.8	5.1	3.2	0.0
-35°	81.7	39.8	18.0	8.3	5.0	3.1	0.0
-37.5°	73.6	34.3	15.5	7.9	4.9	3.0	0.0
-40°	65.1	31.0	12.9	7.4	4.8	2.9	0.0
-42.5°	56.1	27.6	11.2	6.9	4.7	2.8	0.0
-45°	46.7	24.0	10.5	6.4	4.6	2.7	0.0
-47.5°	36.9	20.2	9.7	5.8	4.5	2.6	0.0
-50°	31.4	16.3	9.0	5.6	4.3	2.4	0.0
-52.5°	26.5	12.2	8.2	5.4	4.2	2.3	0.0
-55°	21.4	10.6	7.4	5.2	4.1	2.2	0.0
-57.5°	16.2	9.6	6.5	5.0	3.9	2.0	0.0
-60°	11.4	8.5	5.7	4.7	3.8	1.9	0.0
-62.5°	10.0	7.4	5.4	4.5	3.5	1.8	0.0
-65°	8.7	6.3	5.1	4.3	3.2	1.6	0.0
-67.5°	7.3	5.5	4.8	4.1	2.9	1.5	0.0
-70°	5.9	5.1	4.5	3.8	2.6	1.3	0.0
-72.5°	5.3	4.7	4.2	3.4	2.3	1.1	0.0
-75°	4.8	4.3	3.9	2.9	2.0	1.0	0.0
-77.5°	4.3	3.9	3.3	2.5	1.6	0.8	0.0
-80°	3.9	3.3	2.6	2.0	1.3	0.7	0.0
-82.5°	2.9	2.5	2.0	1.5	1.0	0.5	0.0
-85°	2.0	1.6	1.3	1.0	0.7	0.3	0.0
-87.5°	1.0	0.8	0.7	0.5	0.3	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)