

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: P1212211 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-57-80-7F-HEG**

Issue Date: 11/14/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P1212211 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-10)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/14/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: EPHESUS  
Catalog Number: EPH-LS12-1000R-57-80-7F-HEG  
Description: EPHESUS LS12 LUMINAIRE  
(12) 5700K, 80 CRI LEDS AND 7F BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

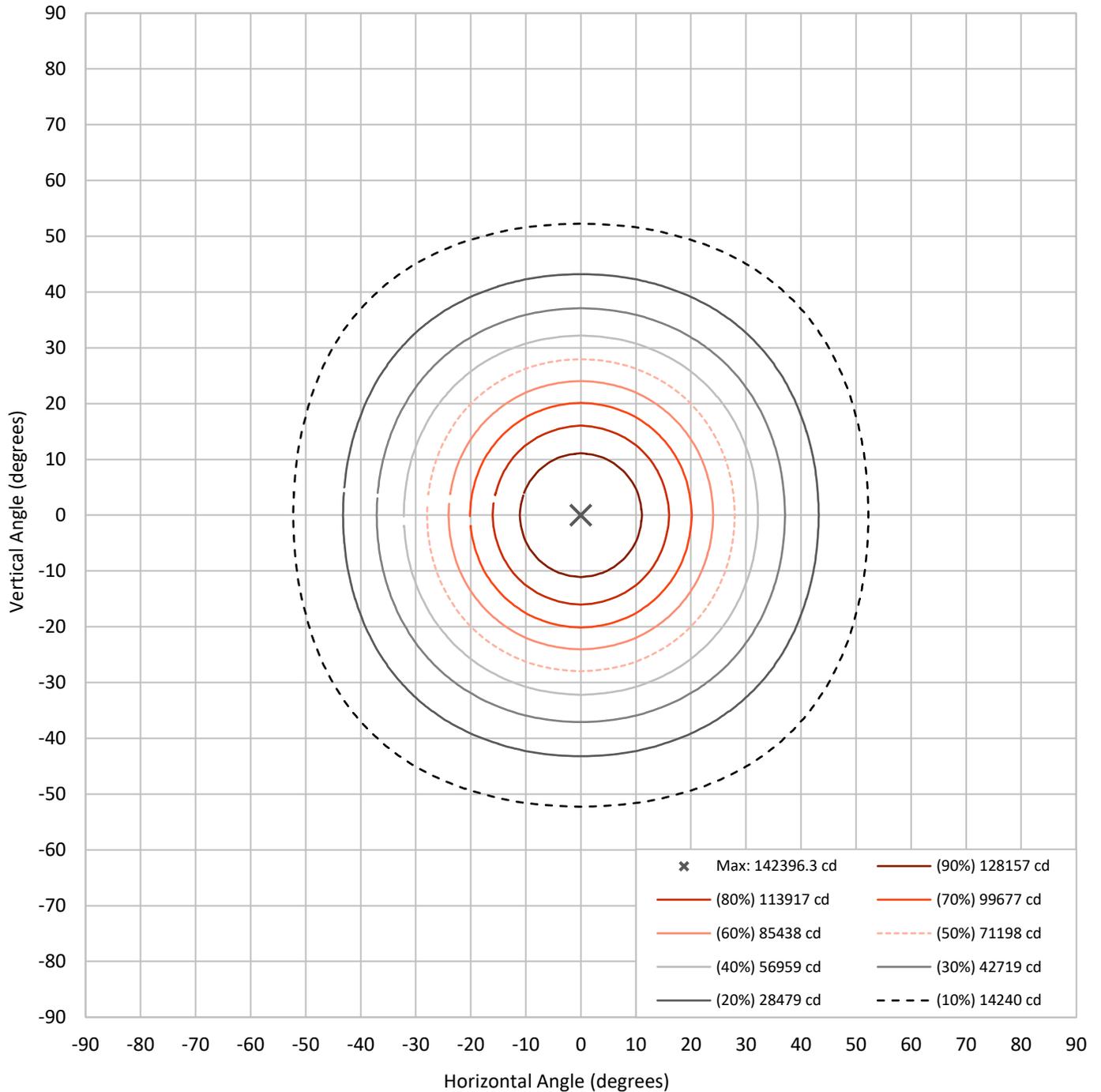
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	149481.2 lumens	Max Intensity:	142396.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	143.6 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	55.9°H x 55.9°V	Field Angle (10%):	104.5°H x 104.5°V
Beam Lumens:	74984.4 lumens	Field Lumens:	135893.4 lumens
Beam Efficiency:	50.2%	Field Efficiency:	90.9%

Input Watts (W): 1041  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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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CATALOG NUMBER: EPH-LS12-1000R-57-80-7F-HEG

### Iso-Candela Plot





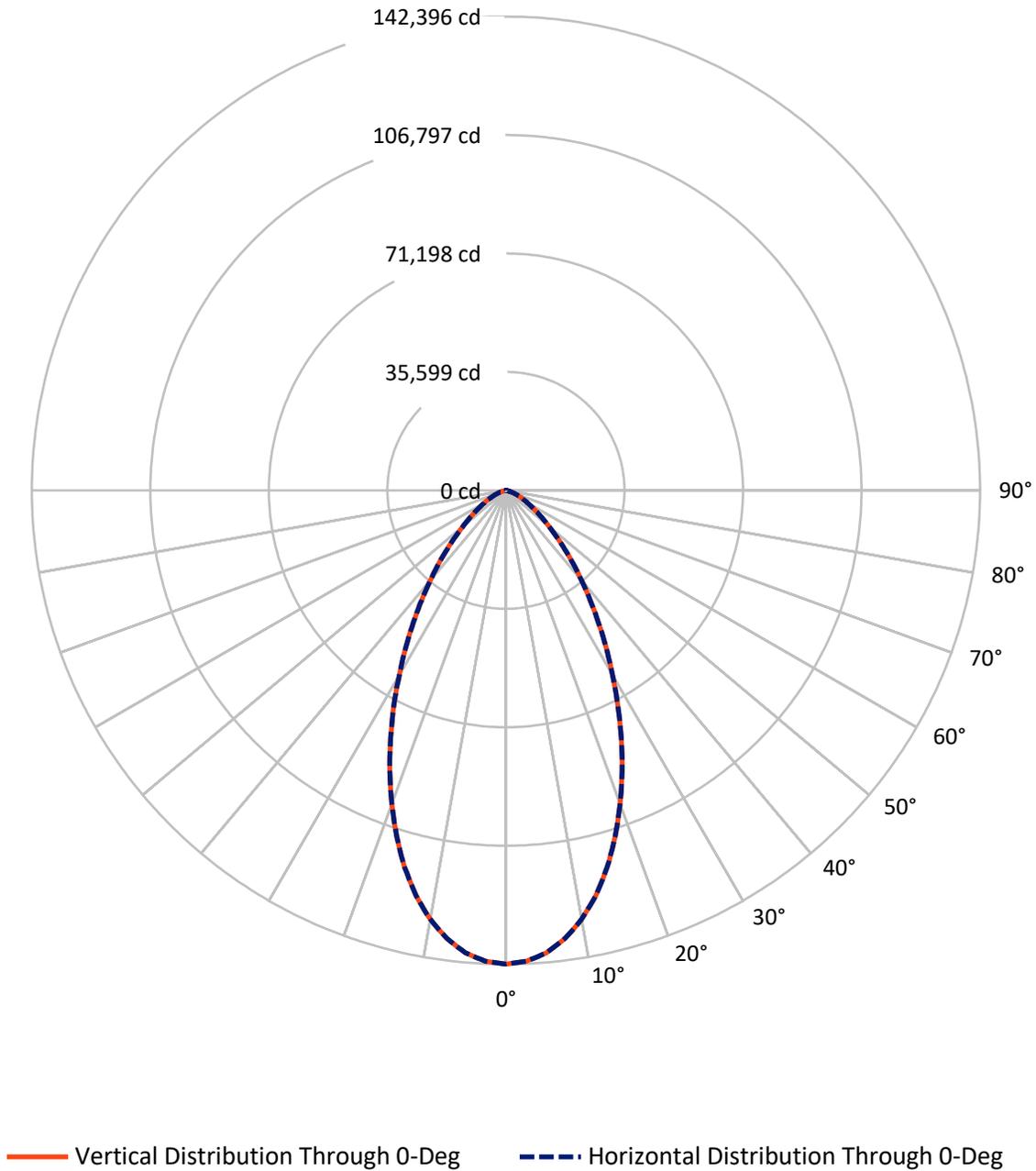
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### Lumen Table

90																
80	0.4	5.9		30.6		68.0		85.4		68.0		30.6		5.9	0.4	
70																
60	2.9	5.4	18.7	42.0	72.3	104.0	130.8	145.8	145.8	130.8	104.0	72.3	42.0	18.7	5.4	2.9
50		14.1	44.4	93.8	159.5	235.3	305.6	347.6	347.6	305.6	235.3	159.5	93.8	44.4	14.1	
40	10.7	25.7	76.5	163.9	298.4	471.8	644.6	753.3	753.3	644.6	471.8	298.4	163.9	76.5	25.7	10.7
30		38.3	112.8	258.6	509.5	856.3	1213.0	1445.5	1445.5	1213.0	856.3	509.5	258.6	112.8	38.3	
20	19.8	49.8	150.8	370.7	776.1	1358.8	1990.5	2416.7	2416.7	1990.5	1358.8	776.1	370.7	150.8	49.8	19.8
10		58.8	184.1	476.0	1033.4	1871.0	2804.8	3433.4	3433.4	2804.8	1871.0	1033.4	476.0	184.1	58.8	
0	23.5	63.6	203.3	539.9	1195.1	2204.6	3331.9	4076.8	4076.8	3331.9	2204.6	1195.1	539.9	203.3	63.6	23.5
-10		63.6	203.3	539.9	1195.1	2204.6	3331.9	4076.8	4076.8	3331.9	2204.6	1195.1	539.9	203.3	63.6	
-20	19.8	58.8	184.1	476.0	1033.4	1871.0	2804.8	3433.4	3433.4	2804.8	1871.0	1033.4	476.0	184.1	58.8	19.8
-30		49.8	150.8	370.7	776.1	1358.8	1990.5	2416.7	2416.7	1990.5	1358.8	776.1	370.7	150.8	49.8	
-40	10.7	38.3	112.8	258.6	509.5	856.3	1213.0	1445.5	1445.5	1213.0	856.3	509.5	258.6	112.8	38.3	10.7
-50		25.7	76.5	163.9	298.4	471.8	644.6	753.3	753.3	644.6	471.8	298.4	163.9	76.5	25.7	
-60	2.9	14.1	44.4	93.8	159.5	235.3	305.6	347.6	347.6	305.6	235.3	159.5	93.8	44.4	14.1	2.9
-70		5.4	18.7	42.0	72.3	104.0	130.8	145.8	145.8	130.8	104.0	72.3	42.0	18.7	5.4	
-80																
-90	0.4	5.9		30.6		68.0		85.4		68.0		30.6		5.9	0.4	

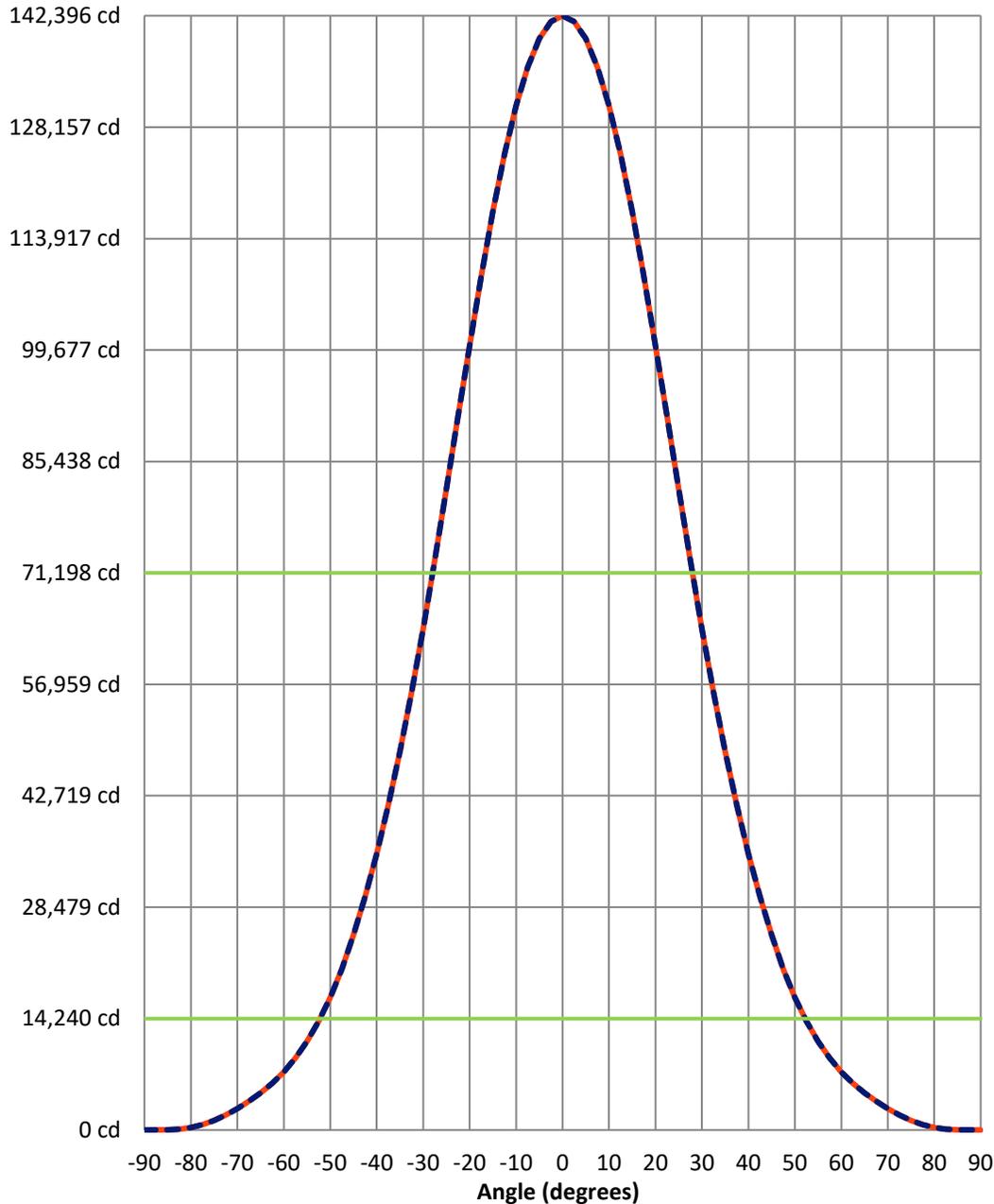
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 55.9°  
 V Angle: 55.9°  
 Lumens: 74984.4  
 Efficiency: 50.2%

**Field:**  
 H Angle: 104.5°  
 V Angle: 104.5°  
 Lumens: 135893.4  
 Efficiency: 90.9%

**Spill:**  
 Lumens: 13587.8  
 Efficiency: 9.1%

- 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	1.0	2.0	3.0	4.0	5.0	6.0	6.9	7.9	8.8	9.7
85°	0.0	2.0	4.0	6.0	8.0	9.9	11.9	13.8	15.7	17.6	19.4
82.5°	0.0	3.0	6.0	9.0	11.9	14.9	17.8	20.7	23.3	24.8	26.3
80°	0.0	4.0	8.0	11.9	15.9	19.8	23.4	25.4	27.5	29.5	31.5
77.5°	0.0	5.0	9.9	14.9	19.8	23.9	26.5	29.1	31.7	34.2	43.0
75°	0.0	6.0	11.9	17.8	23.4	26.5	29.7	32.7	37.8	56.4	74.6
72.5°	0.0	6.9	13.8	20.7	25.4	29.1	32.7	41.2	63.1	84.7	105.9
70°	0.0	7.9	15.7	23.3	27.5	31.7	37.8	63.1	88.0	113.8	180.9
67.5°	0.0	8.8	17.6	24.8	29.5	34.2	56.4	84.7	113.8	190.3	265.6
65°	0.0	9.7	19.4	26.3	31.5	43.0	74.6	105.9	180.9	265.6	367.4
62.5°	0.0	10.6	21.2	27.7	33.4	57.9	92.5	152.9	246.9	350.9	510.7
60°	0.0	11.5	23.0	29.2	35.3	72.6	110.0	209.5	311.5	477.7	651.3
57.5°	0.0	12.4	23.9	30.5	46.2	86.8	154.0	264.8	412.1	601.7	828.8
55°	0.0	13.2	24.8	31.9	57.3	100.7	200.2	318.7	519.7	734.2	1020.8
52.5°	0.0	14.0	25.7	33.2	68.1	118.1	245.0	405.9	624.3	902.5	1207.8
50°	0.0	14.8	26.5	34.5	78.6	154.3	288.5	494.6	738.5	1065.8	1439.3
47.5°	0.0	15.5	27.3	37.2	88.6	189.2	334.9	580.3	878.7	1223.7	1669.2
45°	0.0	16.3	28.1	44.5	98.3	222.8	405.5	662.8	1013.8	1421.9	1891.1
42.5°	0.0	17.0	28.9	51.4	107.6	255.0	473.2	761.7	1143.5	1613.2	2135.7
40°	0.0	17.6	29.6	58.0	124.3	285.7	537.8	869.8	1279.8	1796.3	2375.1
37.5°	0.0	18.2	30.3	64.3	147.6	314.9	599.3	972.7	1434.2	1979.0	2603.3
35°	0.0	18.8	30.9	70.3	169.6	356.1	657.4	1070.1	1580.4	2172.8	2834.1
32.5°	0.0	19.4	31.5	75.9	190.3	401.5	719.0	1161.7	1718.1	2355.5	3073.7
30°	0.0	19.9	32.1	81.1	209.7	443.9	792.2	1253.7	1847.1	2526.6	3298.3
27.5°	0.0	20.4	32.6	85.9	227.6	483.3	860.1	1357.9	1974.6	2685.8	3507.4
25°	0.0	20.8	33.1	90.4	244.2	519.5	922.6	1453.9	2104.0	2849.1	3701.2
22.5°	0.0	21.2	33.5	94.4	259.2	552.6	979.6	1541.4	2222.2	3006.3	3895.7
20°	0.0	21.6	33.9	98.1	272.8	582.3	1031.0	1620.3	2328.7	3148.1	4071.3
17.5°	0.0	21.9	34.2	101.3	284.8	608.7	1076.5	1690.4	2423.3	3274.2	4227.5
15°	0.0	22.2	34.6	104.1	295.3	631.7	1116.3	1751.5	2505.9	3384.1	4363.9
12.5°	0.0	22.5	34.8	106.5	304.2	651.3	1150.0	1803.4	2576.1	3477.7	4480.0
10°	0.0	22.7	35.0	108.5	311.5	667.3	1177.8	1846.1	2633.8	3554.7	4575.5
7.5°	0.0	22.8	35.2	110.0	317.2	679.9	1199.4	1879.4	2678.8	3614.8	4650.0
5°	0.0	22.9	35.3	111.1	321.2	688.8	1214.9	1903.2	2711.0	3657.8	4703.5
2.5°	0.0	23.0	35.4	111.8	323.7	694.2	1224.2	1917.5	2730.4	3683.7	4735.6
0°	0.0	23.0	35.4	112.0	324.5	696.0	1227.3	1922.3	2736.9	3692.3	4746.3
-2.5°	0.0	23.0	35.4	111.8	323.7	694.2	1224.2	1917.5	2730.4	3683.7	4735.6
-5°	0.0	22.9	35.3	111.1	321.2	688.8	1214.9	1903.2	2711.0	3657.8	4703.5
-7.5°	0.0	22.8	35.2	110.0	317.2	679.9	1199.4	1879.4	2678.8	3614.8	4650.0
-10°	0.0	22.7	35.0	108.5	311.5	667.3	1177.8	1846.1	2633.8	3554.7	4575.5
-12.5°	0.0	22.5	34.8	106.5	304.2	651.3	1150.0	1803.4	2576.1	3477.7	4480.0
-15°	0.0	22.2	34.6	104.1	295.3	631.7	1116.3	1751.5	2505.9	3384.1	4363.9
-17.5°	0.0	21.9	34.2	101.3	284.8	608.7	1076.5	1690.4	2423.3	3274.2	4227.5
-20°	0.0	21.6	33.9	98.1	272.8	582.3	1031.0	1620.3	2328.7	3148.1	4071.3



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	21.2	33.5	94.4	259.2	552.6	979.6	1541.4	2222.2	3006.3	3895.7
-25°	0.0	20.8	33.1	90.4	244.2	519.5	922.6	1453.9	2104.0	2849.1	3701.2
-27.5°	0.0	20.4	32.6	85.9	227.6	483.3	860.1	1357.9	1974.6	2685.8	3507.4
-30°	0.0	19.9	32.1	81.1	209.7	443.9	792.2	1253.7	1847.1	2526.6	3298.3
-32.5°	0.0	19.4	31.5	75.9	190.3	401.5	719.0	1161.7	1718.1	2355.5	3073.7
-35°	0.0	18.8	30.9	70.3	169.6	356.1	657.4	1070.1	1580.4	2172.8	2834.1
-37.5°	0.0	18.2	30.3	64.3	147.6	314.9	599.3	972.7	1434.2	1979.0	2603.3
-40°	0.0	17.6	29.6	58.0	124.3	285.7	537.8	869.8	1279.8	1796.3	2375.1
-42.5°	0.0	17.0	28.9	51.4	107.6	255.0	473.2	761.7	1143.5	1613.2	2135.7
-45°	0.0	16.3	28.1	44.5	98.3	222.8	405.5	662.8	1013.8	1421.9	1891.1
-47.5°	0.0	15.5	27.3	37.2	88.6	189.2	334.9	580.3	878.7	1223.7	1669.2
-50°	0.0	14.8	26.5	34.5	78.6	154.3	288.5	494.6	738.5	1065.8	1439.3
-52.5°	0.0	14.0	25.7	33.2	68.1	118.1	245.0	405.9	624.3	902.5	1207.8
-55°	0.0	13.2	24.8	31.9	57.3	100.7	200.2	318.7	519.7	734.2	1020.8
-57.5°	0.0	12.4	23.9	30.5	46.2	86.8	154.0	264.8	412.1	601.7	828.8
-60°	0.0	11.5	23.0	29.2	35.3	72.6	110.0	209.5	311.5	477.7	651.3
-62.5°	0.0	10.6	21.2	27.7	33.4	57.9	92.5	152.9	246.9	350.9	510.7
-65°	0.0	9.7	19.4	26.3	31.5	43.0	74.6	105.9	180.9	265.6	367.4
-67.5°	0.0	8.8	17.6	24.8	29.5	34.2	56.4	84.7	113.8	190.3	265.6
-70°	0.0	7.9	15.7	23.3	27.5	31.7	37.8	63.1	88.0	113.8	180.9
-72.5°	0.0	6.9	13.8	20.7	25.4	29.1	32.7	41.2	63.1	84.7	105.9
-75°	0.0	6.0	11.9	17.8	23.4	26.5	29.7	32.7	37.8	56.4	74.6
-77.5°	0.0	5.0	9.9	14.9	19.8	23.9	26.5	29.1	31.7	34.2	43.0
-80°	0.0	4.0	8.0	11.9	15.9	19.8	23.4	25.4	27.5	29.5	31.5
-82.5°	0.0	3.0	6.0	9.0	11.9	14.9	17.8	20.7	23.3	24.8	26.3
-85°	0.0	2.0	4.0	6.0	8.0	9.9	11.9	13.8	15.7	17.6	19.4
-87.5°	0.0	1.0	2.0	3.0	4.0	5.0	6.0	6.9	7.9	8.8	9.7
-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°	10.6	11.5	12.4	13.2	14.0	14.8	15.5	16.3	17.0	17.6	18.2
85°	21.2	23.0	23.9	24.8	25.7	26.5	27.3	28.1	28.9	29.6	30.3
82.5°	27.7	29.2	30.5	31.9	33.2	34.5	37.2	44.5	51.4	58.0	64.3
80°	33.4	35.3	46.2	57.3	68.1	78.6	88.6	98.3	107.6	124.3	147.6
77.5°	57.9	72.6	86.8	100.7	118.1	154.3	189.2	222.8	255.0	285.7	314.9
75°	92.5	110.0	154.0	200.2	245.0	288.5	334.9	405.5	473.2	537.8	599.3
72.5°	152.9	209.5	264.8	318.7	405.9	494.6	580.3	662.8	761.7	869.8	972.7
70°	246.9	311.5	412.1	519.7	624.3	738.5	878.7	1013.8	1143.5	1279.8	1434.2
67.5°	350.9	477.7	601.7	734.2	902.5	1065.8	1223.7	1421.9	1613.2	1796.3	1979.0
65°	510.7	651.3	828.8	1020.8	1207.8	1439.3	1669.2	1891.1	2135.7	2375.1	2603.3
62.5°	667.9	876.3	1092.3	1326.8	1595.8	1857.2	2142.9	2429.6	2705.5	3010.1	3306.1
60°	876.3	1116.3	1389.6	1690.4	1994.3	2328.7	2653.0	3006.3	3360.5	3701.2	4059.3
57.5°	1092.3	1389.6	1722.0	2068.8	2441.1	2815.0	3227.7	3627.0	4045.2	4453.3	4859.9
55°	1326.8	1690.4	2068.8	2478.7	2903.8	3361.6	3818.4	4294.1	4754.6	5269.8	5763.1
52.5°	1595.8	1994.3	2441.1	2903.8	3406.5	3918.1	4444.8	4990.5	5566.6	6146.7	6770.8
50°	1857.2	2328.7	2815.0	3361.6	3918.1	4495.2	5109.3	5746.4	6430.3	7128.1	7890.0
47.5°	2142.9	2653.0	3227.7	3818.4	4444.8	5109.3	5806.6	6573.1	7344.7	8251.8	9141.4
45°	2429.6	3006.3	3627.0	4294.1	4990.5	5746.4	6573.1	7417.2	8434.2	9459.2	10589.7
42.5°	2705.5	3360.5	4045.2	4754.6	5566.6	6430.3	7344.7	8434.2	9569.8	10814.3	12156.0
40°	3010.1	3701.2	4453.3	5269.8	6146.7	7128.1	8251.8	9459.2	10814.3	12294.2	13830.3
37.5°	3306.1	4059.3	4859.9	5763.1	6770.8	7890.0	9141.4	10589.7	12156.0	13830.3	15739.8
35°	3587.1	4399.8	5293.1	6277.9	7366.4	8684.7	10144.2	11743.7	13548.9	15569.2	17723.3
32.5°	3869.1	4721.7	5703.2	6800.5	8055.4	9485.1	11110.8	12991.3	15060.6	17307.4	19855.1
30°	4143.9	5070.3	6108.5	7292.6	8716.6	10335.6	12167.4	14223.8	16559.7	19218.9	22155.3
27.5°	4399.8	5399.1	6530.8	7833.4	9360.7	11133.0	13203.4	15542.7	18173.4	21116.0	24476.3
25°	4636.3	5703.2	6921.8	8362.3	10045.4	11985.0	14216.8	16773.4	19753.5	23153.8	26856.7
22.5°	4870.2	5982.6	7280.0	8847.6	10674.5	12807.4	15270.2	18097.2	21343.7	25055.0	29123.7
20°	5098.1	6277.9	7649.3	9303.1	11245.4	13554.9	16229.2	19335.8	22951.0	26989.3	31372.3
17.5°	5300.9	6540.9	8008.0	9770.9	11841.8	14282.5	17116.1	20448.2	24397.5	28734.3	33484.0
15°	5478.1	6770.8	8321.8	10180.6	12381.1	14978.0	18019.0	21598.2	25757.3	30330.7	35364.0
12.5°	5629.0	6966.8	8589.4	10530.4	12842.0	15573.1	18792.5	22608.7	26982.0	31820.2	37210.1
10°	5753.2	7128.1	8810.0	10818.8	13222.4	16064.7	19432.2	23445.4	27997.8	33057.9	38747.5
7.5°	5850.2	7254.2	8982.4	11044.4	13520.2	16449.9	19934.0	24102.6	28796.6	34032.7	39960.7
5°	5919.7	7344.7	9106.1	11206.4	13734.0	16726.7	20294.8	24575.5	29372.1	34735.9	40837.1
2.5°	5961.5	7399.0	9180.6	11303.9	13862.8	16893.4	20512.3	24860.7	29719.3	35160.6	41366.9
0°	5975.5	7417.2	9205.4	11336.4	13905.8	16949.1	20584.9	24956.0	29835.4	35302.6	41544.2
-2.5°	5961.5	7399.0	9180.6	11303.9	13862.8	16893.4	20512.3	24860.7	29719.3	35160.6	41366.9
-5°	5919.7	7344.7	9106.1	11206.4	13734.0	16726.7	20294.8	24575.5	29372.1	34735.9	40837.1
-7.5°	5850.2	7254.2	8982.4	11044.4	13520.2	16449.9	19934.0	24102.6	28796.6	34032.7	39960.7
-10°	5753.2	7128.1	8810.0	10818.8	13222.4	16064.7	19432.2	23445.4	27997.8	33057.9	38747.5
-12.5°	5629.0	6966.8	8589.4	10530.4	12842.0	15573.1	18792.5	22608.7	26982.0	31820.2	37210.1
-15°	5478.1	6770.8	8321.8	10180.6	12381.1	14978.0	18019.0	21598.2	25757.3	30330.7	35364.0
-17.5°	5300.9	6540.9	8008.0	9770.9	11841.8	14282.5	17116.1	20448.2	24397.5	28734.3	33484.0
-20°	5098.1	6277.9	7649.3	9303.1	11245.4	13554.9	16229.2	19335.8	22951.0	26989.3	31372.3



REPORT NUMBER: P1212211 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-80-7F-HEG

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	4870.2	5982.6	7280.0	8847.6	10674.5	12807.4	15270.2	18097.2	21343.7	25055.0	29123.7
-25°	4636.3	5703.2	6921.8	8362.3	10045.4	11985.0	14216.8	16773.4	19753.5	23153.8	26856.7
-27.5°	4399.8	5399.1	6530.8	7833.4	9360.7	11133.0	13203.4	15542.7	18173.4	21116.0	24476.3
-30°	4143.9	5070.3	6108.5	7292.6	8716.6	10335.6	12167.4	14223.8	16559.7	19218.9	22155.3
-32.5°	3869.1	4721.7	5703.2	6800.5	8055.4	9485.1	11110.8	12991.3	15060.6	17307.4	19855.1
-35°	3587.1	4399.8	5293.1	6277.9	7366.4	8684.7	10144.2	11743.7	13548.9	15569.2	17723.3
-37.5°	3306.1	4059.3	4859.9	5763.1	6770.8	7890.0	9141.4	10589.7	12156.0	13830.3	15739.8
-40°	3010.1	3701.2	4453.3	5269.8	6146.7	7128.1	8251.8	9459.2	10814.3	12294.2	13830.3
-42.5°	2705.5	3360.5	4045.2	4754.6	5566.6	6430.3	7344.7	8434.2	9569.8	10814.3	12156.0
-45°	2429.6	3006.3	3627.0	4294.1	4990.5	5746.4	6573.1	7417.2	8434.2	9459.2	10589.7
-47.5°	2142.9	2653.0	3227.7	3818.4	4444.8	5109.3	5806.6	6573.1	7344.7	8251.8	9141.4
-50°	1857.2	2328.7	2815.0	3361.6	3918.1	4495.2	5109.3	5746.4	6430.3	7128.1	7890.0
-52.5°	1595.8	1994.3	2441.1	2903.8	3406.5	3918.1	4444.8	4990.5	5566.6	6146.7	6770.8
-55°	1326.8	1690.4	2068.8	2478.7	2903.8	3361.6	3818.4	4294.1	4754.6	5269.8	5763.1
-57.5°	1092.3	1389.6	1722.0	2068.8	2441.1	2815.0	3227.7	3627.0	4045.2	4453.3	4859.9
-60°	876.3	1116.3	1389.6	1690.4	1994.3	2328.7	2653.0	3006.3	3360.5	3701.2	4059.3
-62.5°	667.9	876.3	1092.3	1326.8	1595.8	1857.2	2142.9	2429.6	2705.5	3010.1	3306.1
-65°	510.7	651.3	828.8	1020.8	1207.8	1439.3	1669.2	1891.1	2135.7	2375.1	2603.3
-67.5°	350.9	477.7	601.7	734.2	902.5	1065.8	1223.7	1421.9	1613.2	1796.3	1979.0
-70°	246.9	311.5	412.1	519.7	624.3	738.5	878.7	1013.8	1143.5	1279.8	1434.2
-72.5°	152.9	209.5	264.8	318.7	405.9	494.6	580.3	662.8	761.7	869.8	972.7
-75°	92.5	110.0	154.0	200.2	245.0	288.5	334.9	405.5	473.2	537.8	599.3
-77.5°	57.9	72.6	86.8	100.7	118.1	154.3	189.2	222.8	255.0	285.7	314.9
-80°	33.4	35.3	46.2	57.3	68.1	78.6	88.6	98.3	107.6	124.3	147.6
-82.5°	27.7	29.2	30.5	31.9	33.2	34.5	37.2	44.5	51.4	58.0	64.3
-85°	21.2	23.0	23.9	24.8	25.7	26.5	27.3	28.1	28.9	29.6	30.3
-87.5°	10.6	11.5	12.4	13.2	14.0	14.8	15.5	16.3	17.0	17.6	18.2
-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: P1212211 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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°	18.8	19.4	19.9	20.4	20.8	21.2	21.6	21.9	22.2	22.5	22.7
85°	30.9	31.5	32.1	32.6	33.1	33.5	33.9	34.2	34.6	34.8	35.0
82.5°	70.3	75.9	81.1	85.9	90.4	94.4	98.1	101.3	104.1	106.5	108.5
80°	169.6	190.3	209.7	227.6	244.2	259.2	272.8	284.8	295.3	304.2	311.5
77.5°	356.1	401.5	443.9	483.3	519.5	552.6	582.3	608.7	631.7	651.3	667.3
75°	657.4	719.0	792.2	860.1	922.6	979.6	1031.0	1076.5	1116.3	1150.0	1177.8
72.5°	1070.1	1161.7	1253.7	1357.9	1453.9	1541.4	1620.3	1690.4	1751.5	1803.4	1846.1
70°	1580.4	1718.1	1847.1	1974.6	2104.0	2222.2	2328.7	2423.3	2505.9	2576.1	2633.8
67.5°	2172.8	2355.5	2526.6	2685.8	2849.1	3006.3	3148.1	3274.2	3384.1	3477.7	3554.7
65°	2834.1	3073.7	3298.3	3507.4	3701.2	3895.7	4071.3	4227.5	4363.9	4480.0	4575.5
62.5°	3587.1	3869.1	4143.9	4399.8	4636.3	4870.2	5098.1	5300.9	5478.1	5629.0	5753.2
60°	4399.8	4721.7	5070.3	5399.1	5703.2	5982.6	6277.9	6540.9	6770.8	6966.8	7128.1
57.5°	5293.1	5703.2	6108.5	6530.8	6921.8	7280.0	7649.3	8008.0	8321.8	8589.4	8810.0
55°	6277.9	6800.5	7292.6	7833.4	8362.3	8847.6	9303.1	9770.9	10180.6	10530.4	10818.8
52.5°	7366.4	8055.4	8716.6	9360.7	10045.4	10674.5	11245.4	11841.8	12381.1	12842.0	13222.4
50°	8684.7	9485.1	10335.6	11133.0	11985.0	12807.4	13554.9	14282.5	14978.0	15573.1	16064.7
47.5°	10144.2	11110.8	12167.4	13203.4	14216.8	15270.2	16229.2	17116.1	18019.0	18792.5	19432.2
45°	11743.7	12991.3	14223.8	15542.7	16773.4	18097.2	19335.8	20448.2	21598.2	22608.7	23445.4
42.5°	13548.9	15060.6	16559.7	18173.4	19753.5	21343.7	22951.0	24397.5	25757.3	26982.0	27997.8
40°	15569.2	17307.4	19218.9	21116.0	23153.8	25055.0	26989.3	28734.3	30330.7	31820.2	33057.9
37.5°	17723.3	19855.1	22155.3	24476.3	26856.7	29123.7	31372.3	33484.0	35364.0	37210.1	38747.5
35°	20068.7	22680.7	25320.3	28082.4	30790.2	33515.3	36130.4	38733.4	41048.8	43197.5	45030.9
32.5°	22680.7	25622.6	28703.0	31860.1	34977.1	38265.3	41350.6	44409.6	47156.8	49665.6	51873.2
30°	25320.3	28703.0	32219.9	35777.4	39572.1	43293.6	46925.9	50443.0	53731.5	56652.0	59244.2
27.5°	28082.4	31860.1	35777.4	40012.2	44290.5	48480.7	52789.3	56812.1	60646.4	64009.6	67097.9
25°	30790.2	34977.1	39572.1	44290.5	49056.0	53985.1	58811.9	63408.3	67885.0	71883.0	75357.3
22.5°	33515.3	38265.3	43293.6	48480.7	53985.1	59488.1	64890.9	70289.3	75292.8	79811.6	83717.0
20°	36130.4	41350.6	46925.9	52789.3	58811.9	64890.9	71104.8	77062.1	82611.0	87680.1	92034.2
17.5°	38733.4	44409.6	50443.0	56812.1	63408.3	70289.3	77062.1	83579.9	89734.7	95196.6	99932.5
15°	41048.8	47156.8	53731.5	60646.4	67885.0	75292.8	82611.0	89734.7	96281.3	102228.6	107455.9
12.5°	43197.5	49665.6	56652.0	64009.6	71883.0	79811.6	87680.1	95196.6	102228.6	108725.5	114210.8
10°	45030.9	51873.2	59244.2	67097.9	75357.3	83717.0	92034.2	99932.5	107455.9	114210.8	120122.1
7.5°	46481.1	53624.2	61307.3	69567.1	78172.8	86912.3	95504.9	103794.5	111648.6	118771.7	124756.3
5°	47530.5	54894.1	62807.6	71368.9	80236.6	89268.1	98083.3	106691.4	114756.0	122057.5	128158.4
2.5°	48165.7	55664.0	63718.9	72466.2	81497.3	90713.3	99674.4	108493.6	116712.6	124047.1	130198.8
0°	48378.4	55922.0	64024.6	72834.7	81921.4	91200.6	100212.6	109106.0	117381.9	124695.3	130902.9
-2.5°	48165.7	55664.0	63718.9	72466.2	81497.3	90713.3	99674.4	108493.6	116712.6	124047.1	130198.8
-5°	47530.5	54894.1	62807.6	71368.9	80236.6	89268.1	98083.3	106691.4	114756.0	122057.5	128158.4
-7.5°	46481.1	53624.2	61307.3	69567.1	78172.8	86912.3	95504.9	103794.5	111648.6	118771.7	124756.3
-10°	45030.9	51873.2	59244.2	67097.9	75357.3	83717.0	92034.2	99932.5	107455.9	114210.8	120122.1
-12.5°	43197.5	49665.6	56652.0	64009.6	71883.0	79811.6	87680.1	95196.6	102228.6	108725.5	114210.8
-15°	41048.8	47156.8	53731.5	60646.4	67885.0	75292.8	82611.0	89734.7	96281.3	102228.6	107455.9
-17.5°	38733.4	44409.6	50443.0	56812.1	63408.3	70289.3	77062.1	83579.9	89734.7	95196.6	99932.5
-20°	36130.4	41350.6	46925.9	52789.3	58811.9	64890.9	71104.8	77062.1	82611.0	87680.1	92034.2



REPORT NUMBER: P1212211 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-80-7F-HEG

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	33515.3	38265.3	43293.6	48480.7	53985.1	59488.1	64890.9	70289.3	75292.8	79811.6	83717.0
-25°	30790.2	34977.1	39572.1	44290.5	49056.0	53985.1	58811.9	63408.3	67885.0	71883.0	75357.3
-27.5°	28082.4	31860.1	35777.4	40012.2	44290.5	48480.7	52789.3	56812.1	60646.4	64009.6	67097.9
-30°	25320.3	28703.0	32219.9	35777.4	39572.1	43293.6	46925.9	50443.0	53731.5	56652.0	59244.2
-32.5°	22680.7	25622.6	28703.0	31860.1	34977.1	38265.3	41350.6	44409.6	47156.8	49665.6	51873.2
-35°	20068.7	22680.7	25320.3	28082.4	30790.2	33515.3	36130.4	38733.4	41048.8	43197.5	45030.9
-37.5°	17723.3	19855.1	22155.3	24476.3	26856.7	29123.7	31372.3	33484.0	35364.0	37210.1	38747.5
-40°	15569.2	17307.4	19218.9	21116.0	23153.8	25055.0	26989.3	28734.3	30330.7	31820.2	33057.9
-42.5°	13548.9	15060.6	16559.7	18173.4	19753.5	21343.7	22951.0	24397.5	25757.3	26982.0	27997.8
-45°	11743.7	12991.3	14223.8	15542.7	16773.4	18097.2	19335.8	20448.2	21598.2	22608.7	23445.4
-47.5°	10144.2	11110.8	12167.4	13203.4	14216.8	15270.2	16229.2	17116.1	18019.0	18792.5	19432.2
-50°	8684.7	9485.1	10335.6	11133.0	11985.0	12807.4	13554.9	14282.5	14978.0	15573.1	16064.7
-52.5°	7366.4	8055.4	8716.6	9360.7	10045.4	10674.5	11245.4	11841.8	12381.1	12842.0	13222.4
-55°	6277.9	6800.5	7292.6	7833.4	8362.3	8847.6	9303.1	9770.9	10180.6	10530.4	10818.8
-57.5°	5293.1	5703.2	6108.5	6530.8	6921.8	7280.0	7649.3	8008.0	8321.8	8589.4	8810.0
-60°	4399.8	4721.7	5070.3	5399.1	5703.2	5982.6	6277.9	6540.9	6770.8	6966.8	7128.1
-62.5°	3587.1	3869.1	4143.9	4399.8	4636.3	4870.2	5098.1	5300.9	5478.1	5629.0	5753.2
-65°	2834.1	3073.7	3298.3	3507.4	3701.2	3895.7	4071.3	4227.5	4363.9	4480.0	4575.5
-67.5°	2172.8	2355.5	2526.6	2685.8	2849.1	3006.3	3148.1	3274.2	3384.1	3477.7	3554.7
-70°	1580.4	1718.1	1847.1	1974.6	2104.0	2222.2	2328.7	2423.3	2505.9	2576.1	2633.8
-72.5°	1070.1	1161.7	1253.7	1357.9	1453.9	1541.4	1620.3	1690.4	1751.5	1803.4	1846.1
-75°	657.4	719.0	792.2	860.1	922.6	979.6	1031.0	1076.5	1116.3	1150.0	1177.8
-77.5°	356.1	401.5	443.9	483.3	519.5	552.6	582.3	608.7	631.7	651.3	667.3
-80°	169.6	190.3	209.7	227.6	244.2	259.2	272.8	284.8	295.3	304.2	311.5
-82.5°	70.3	75.9	81.1	85.9	90.4	94.4	98.1	101.3	104.1	106.5	108.5
-85°	30.9	31.5	32.1	32.6	33.1	33.5	33.9	34.2	34.6	34.8	35.0
-87.5°	18.8	19.4	19.9	20.4	20.8	21.2	21.6	21.9	22.2	22.5	22.7
-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: P1212211 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-100R-57-80-7F-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°	22.8	22.9	23.0	23.0	23.0	22.9	22.8	22.7	22.5	22.2	21.9
85°	35.2	35.3	35.4	35.4	35.4	35.3	35.2	35.0	34.8	34.6	34.2
82.5°	110.0	111.1	111.8	112.0	111.8	111.1	110.0	108.5	106.5	104.1	101.3
80°	317.2	321.2	323.7	324.5	323.7	321.2	317.2	311.5	304.2	295.3	284.8
77.5°	679.9	688.8	694.2	696.0	694.2	688.8	679.9	667.3	651.3	631.7	608.7
75°	1199.4	1214.9	1224.2	1227.3	1224.2	1214.9	1199.4	1177.8	1150.0	1116.3	1076.5
72.5°	1879.4	1903.2	1917.5	1922.3	1917.5	1903.2	1879.4	1846.1	1803.4	1751.5	1690.4
70°	2678.8	2711.0	2730.4	2736.9	2730.4	2711.0	2678.8	2633.8	2576.1	2505.9	2423.3
67.5°	3614.8	3657.8	3683.7	3692.3	3683.7	3657.8	3614.8	3554.7	3477.7	3384.1	3274.2
65°	4650.0	4703.5	4735.6	4746.3	4735.6	4703.5	4650.0	4575.5	4480.0	4363.9	4227.5
62.5°	5850.2	5919.7	5961.5	5975.5	5961.5	5919.7	5850.2	5753.2	5629.0	5478.1	5300.9
60°	7254.2	7344.7	7399.0	7417.2	7399.0	7344.7	7254.2	7128.1	6966.8	6770.8	6540.9
57.5°	8982.4	9106.1	9180.6	9205.4	9180.6	9106.1	8982.4	8810.0	8589.4	8321.8	8008.0
55°	11044.4	11206.4	11303.9	11336.4	11303.9	11206.4	11044.4	10818.8	10530.4	10180.6	9770.9
52.5°	13520.2	13734.0	13862.8	13905.8	13862.8	13734.0	13520.2	13222.4	12842.0	12381.1	11841.8
50°	16449.9	16726.7	16893.4	16949.1	16893.4	16726.7	16449.9	16064.7	15573.1	14978.0	14282.5
47.5°	19934.0	20294.8	20512.3	20584.9	20512.3	20294.8	19934.0	19432.2	18792.5	18019.0	17116.1
45°	24102.6	24575.5	24860.7	24956.0	24860.7	24575.5	24102.6	23445.4	22608.7	21598.2	20448.2
42.5°	28796.6	29372.1	29719.3	29835.4	29719.3	29372.1	28796.6	27997.8	26982.0	25757.3	24397.5
40°	34032.7	34735.9	35160.6	35302.6	35160.6	34735.9	34032.7	33057.9	31820.2	30330.7	28734.3
37.5°	39960.7	40837.1	41366.9	41544.2	41366.9	40837.1	39960.7	38747.5	37210.1	35364.0	33484.0
35°	46481.1	47530.5	48165.7	48378.4	48165.7	47530.5	46481.1	45030.9	43197.5	41048.8	38733.4
32.5°	53624.2	54894.1	55664.0	55922.0	55664.0	54894.1	53624.2	51873.2	49665.6	47156.8	44409.6
30°	61307.3	62807.6	63718.9	64024.6	63718.9	62807.6	61307.3	59244.2	56652.0	53731.5	50443.0
27.5°	69567.1	71368.9	72466.2	72834.7	72466.2	71368.9	69567.1	67097.9	64009.6	60646.4	56812.1
25°	78172.8	80236.6	81497.3	81921.4	81497.3	80236.6	78172.8	75357.3	71883.0	67885.0	63408.3
22.5°	86912.3	89268.1	90713.3	91200.6	90713.3	89268.1	86912.3	83717.0	79811.6	75292.8	70289.3
20°	95504.9	98083.3	99674.4	100212.6	99674.4	98083.3	95504.9	92034.2	87680.1	82611.0	77062.1
17.5°	103794.5	106691.4	108493.6	109106.0	108493.6	106691.4	103794.5	99932.5	95196.6	89734.7	83579.9
15°	111648.6	114756.0	116712.6	117381.9	116712.6	114756.0	111648.6	107455.9	102228.6	96281.3	89734.7
12.5°	118771.7	122057.5	124047.1	124695.3	124047.1	122057.5	118771.7	114210.8	108725.5	102228.6	95196.6
10°	124756.3	128158.4	130198.8	130902.9	130198.8	128158.4	124756.3	120122.1	114210.8	107455.9	99932.5
7.5°	129536.2	133046.9	135122.8	135827.3	135122.8	133046.9	129536.2	124756.3	118771.7	111648.6	103794.5
5°	133046.9	136584.1	138750.0	139466.9	138750.0	136584.1	133046.9	128158.4	122057.5	114756.0	106691.4
2.5°	135122.8	138750.0	140909.8	141635.8	140909.8	138750.0	135122.8	130198.8	124047.1	116712.6	108493.6
0°	135827.3	139466.9	141635.8	142396.3	141635.8	139466.9	135827.3	130902.9	124695.3	117381.9	109106.0
-2.5°	135122.8	138750.0	140909.8	141635.8	140909.8	138750.0	135122.8	130198.8	124047.1	116712.6	108493.6
-5°	133046.9	136584.1	138750.0	139466.9	138750.0	136584.1	133046.9	128158.4	122057.5	114756.0	106691.4
-7.5°	129536.2	133046.9	135122.8	135827.3	135122.8	133046.9	129536.2	124756.3	118771.7	111648.6	103794.5
-10°	124756.3	128158.4	130198.8	130902.9	130198.8	128158.4	124756.3	120122.1	114210.8	107455.9	99932.5
-12.5°	118771.7	122057.5	124047.1	124695.3	124047.1	122057.5	118771.7	114210.8	108725.5	102228.6	95196.6
-15°	111648.6	114756.0	116712.6	117381.9	116712.6	114756.0	111648.6	107455.9	102228.6	96281.3	89734.7
-17.5°	103794.5	106691.4	108493.6	109106.0	108493.6	106691.4	103794.5	99932.5	95196.6	89734.7	83579.9
-20°	95504.9	98083.3	99674.4	100212.6	99674.4	98083.3	95504.9	92034.2	87680.1	82611.0	77062.1



REPORT NUMBER: P1212211 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	86912.3	89268.1	90713.3	91200.6	90713.3	89268.1	86912.3	83717.0	79811.6	75292.8	70289.3
-25°	78172.8	80236.6	81497.3	81921.4	81497.3	80236.6	78172.8	75357.3	71883.0	67885.0	63408.3
-27.5°	69567.1	71368.9	72466.2	72834.7	72466.2	71368.9	69567.1	67097.9	64009.6	60646.4	56812.1
-30°	61307.3	62807.6	63718.9	64024.6	63718.9	62807.6	61307.3	59244.2	56652.0	53731.5	50443.0
-32.5°	53624.2	54894.1	55664.0	55922.0	55664.0	54894.1	53624.2	51873.2	49665.6	47156.8	44409.6
-35°	46481.1	47530.5	48165.7	48378.4	48165.7	47530.5	46481.1	45030.9	43197.5	41048.8	38733.4
-37.5°	39960.7	40837.1	41366.9	41544.2	41366.9	40837.1	39960.7	38747.5	37210.1	35364.0	33484.0
-40°	34032.7	34735.9	35160.6	35302.6	35160.6	34735.9	34032.7	33057.9	31820.2	30330.7	28734.3
-42.5°	28796.6	29372.1	29719.3	29835.4	29719.3	29372.1	28796.6	27997.8	26982.0	25757.3	24397.5
-45°	24102.6	24575.5	24860.7	24956.0	24860.7	24575.5	24102.6	23445.4	22608.7	21598.2	20448.2
-47.5°	19934.0	20294.8	20512.3	20584.9	20512.3	20294.8	19934.0	19432.2	18792.5	18019.0	17116.1
-50°	16449.9	16726.7	16893.4	16949.1	16893.4	16726.7	16449.9	16064.7	15573.1	14978.0	14282.5
-52.5°	13520.2	13734.0	13862.8	13905.8	13862.8	13734.0	13520.2	13222.4	12842.0	12381.1	11841.8
-55°	11044.4	11206.4	11303.9	11336.4	11303.9	11206.4	11044.4	10818.8	10530.4	10180.6	9770.9
-57.5°	8982.4	9106.1	9180.6	9205.4	9180.6	9106.1	8982.4	8810.0	8589.4	8321.8	8008.0
-60°	7254.2	7344.7	7399.0	7417.2	7399.0	7344.7	7254.2	7128.1	6966.8	6770.8	6540.9
-62.5°	5850.2	5919.7	5961.5	5975.5	5961.5	5919.7	5850.2	5753.2	5629.0	5478.1	5300.9
-65°	4650.0	4703.5	4735.6	4746.3	4735.6	4703.5	4650.0	4575.5	4480.0	4363.9	4227.5
-67.5°	3614.8	3657.8	3683.7	3692.3	3683.7	3657.8	3614.8	3554.7	3477.7	3384.1	3274.2
-70°	2678.8	2711.0	2730.4	2736.9	2730.4	2711.0	2678.8	2633.8	2576.1	2505.9	2423.3
-72.5°	1879.4	1903.2	1917.5	1922.3	1917.5	1903.2	1879.4	1846.1	1803.4	1751.5	1690.4
-75°	1199.4	1214.9	1224.2	1227.3	1224.2	1214.9	1199.4	1177.8	1150.0	1116.3	1076.5
-77.5°	679.9	688.8	694.2	696.0	694.2	688.8	679.9	667.3	651.3	631.7	608.7
-80°	317.2	321.2	323.7	324.5	323.7	321.2	317.2	311.5	304.2	295.3	284.8
-82.5°	110.0	111.1	111.8	112.0	111.8	111.1	110.0	108.5	106.5	104.1	101.3
-85°	35.2	35.3	35.4	35.4	35.4	35.3	35.2	35.0	34.8	34.6	34.2
-87.5°	22.8	22.9	23.0	23.0	23.0	22.9	22.8	22.7	22.5	22.2	21.9
-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: P1212211 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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°	21.6	21.2	20.8	20.4	19.9	19.4	18.8	18.2	17.6	17.0	16.3
85°	33.9	33.5	33.1	32.6	32.1	31.5	30.9	30.3	29.6	28.9	28.1
82.5°	98.1	94.4	90.4	85.9	81.1	75.9	70.3	64.3	58.0	51.4	44.5
80°	272.8	259.2	244.2	227.6	209.7	190.3	169.6	147.6	124.3	107.6	98.3
77.5°	582.3	552.6	519.5	483.3	443.9	401.5	356.1	314.9	285.7	255.0	222.8
75°	1031.0	979.6	922.6	860.1	792.2	719.0	657.4	599.3	537.8	473.2	405.5
72.5°	1620.3	1541.4	1453.9	1357.9	1253.7	1161.7	1070.1	972.7	869.8	761.7	662.8
70°	2328.7	2222.2	2104.0	1974.6	1847.1	1718.1	1580.4	1434.2	1279.8	1143.5	1013.8
67.5°	3148.1	3006.3	2849.1	2685.8	2526.6	2355.5	2172.8	1979.0	1796.3	1613.2	1421.9
65°	4071.3	3895.7	3701.2	3507.4	3298.3	3073.7	2834.1	2603.3	2375.1	2135.7	1891.1
62.5°	5098.1	4870.2	4636.3	4399.8	4143.9	3869.1	3587.1	3306.1	3010.1	2705.5	2429.6
60°	6277.9	5982.6	5703.2	5399.1	5070.3	4721.7	4399.8	4059.3	3701.2	3360.5	3006.3
57.5°	7649.3	7280.0	6921.8	6530.8	6108.5	5703.2	5293.1	4859.9	4453.3	4045.2	3627.0
55°	9303.1	8847.6	8362.3	7833.4	7292.6	6800.5	6277.9	5763.1	5269.8	4754.6	4294.1
52.5°	11245.4	10674.5	10045.4	9360.7	8716.6	8055.4	7366.4	6770.8	6146.7	5566.6	4990.5
50°	13554.9	12807.4	11985.0	11133.0	10335.6	9485.1	8684.7	7890.0	7128.1	6430.3	5746.4
47.5°	16229.2	15270.2	14216.8	13203.4	12167.4	11110.8	10144.2	9141.4	8251.8	7344.7	6573.1
45°	19335.8	18097.2	16773.4	15542.7	14223.8	12991.3	11743.7	10589.7	9459.2	8434.2	7417.2
42.5°	22951.0	21343.7	19753.5	18173.4	16559.7	15060.6	13548.9	12156.0	10814.3	9569.8	8434.2
40°	26989.3	25055.0	23153.8	21116.0	19218.9	17307.4	15569.2	13830.3	12294.2	10814.3	9459.2
37.5°	31372.3	29123.7	26856.7	24476.3	22155.3	19855.1	17723.3	15739.8	13830.3	12156.0	10589.7
35°	36130.4	33515.3	30790.2	28082.4	25320.3	22680.7	20068.7	17723.3	15569.2	13548.9	11743.7
32.5°	41350.6	38265.3	34977.1	31860.1	28703.0	25622.6	22680.7	19855.1	17307.4	15060.6	12991.3
30°	46925.9	43293.6	39572.1	35777.4	32219.9	28703.0	25320.3	22155.3	19218.9	16559.7	14223.8
27.5°	52789.3	48480.7	44290.5	40012.2	35777.4	31860.1	28082.4	24476.3	21116.0	18173.4	15542.7
25°	58811.9	53985.1	49056.0	44290.5	39572.1	34977.1	30790.2	26856.7	23153.8	19753.5	16773.4
22.5°	64890.9	59488.1	53985.1	48480.7	43293.6	38265.3	33515.3	29123.7	25055.0	21343.7	18097.2
20°	71104.8	64890.9	58811.9	52789.3	46925.9	41350.6	36130.4	31372.3	26989.3	22951.0	19335.8
17.5°	77062.1	70289.3	63408.3	56812.1	50443.0	44409.6	38733.4	33484.0	28734.3	24397.5	20448.2
15°	82611.0	75292.8	67885.0	60646.4	53731.5	47156.8	41048.8	35364.0	30330.7	25757.3	21598.2
12.5°	87680.1	79811.6	71883.0	64009.6	56652.0	49665.6	43197.5	37210.1	31820.2	26982.0	22608.7
10°	92034.2	83717.0	75357.3	67097.9	59244.2	51873.2	45030.9	38747.5	33057.9	27997.8	23445.4
7.5°	95504.9	86912.3	78172.8	69567.1	61307.3	53624.2	46481.1	39960.7	34032.7	28796.6	24102.6
5°	98083.3	89268.1	80236.6	71368.9	62807.6	54894.1	47530.5	40837.1	34735.9	29372.1	24575.5
2.5°	99674.4	90713.3	81497.3	72466.2	63718.9	55664.0	48165.7	41366.9	35160.6	29719.3	24860.7
0°	100212.6	91200.6	81921.4	72834.7	64024.6	55922.0	48378.4	41544.2	35302.6	29835.4	24956.0
-2.5°	99674.4	90713.3	81497.3	72466.2	63718.9	55664.0	48165.7	41366.9	35160.6	29719.3	24860.7
-5°	98083.3	89268.1	80236.6	71368.9	62807.6	54894.1	47530.5	40837.1	34735.9	29372.1	24575.5
-7.5°	95504.9	86912.3	78172.8	69567.1	61307.3	53624.2	46481.1	39960.7	34032.7	28796.6	24102.6
-10°	92034.2	83717.0	75357.3	67097.9	59244.2	51873.2	45030.9	38747.5	33057.9	27997.8	23445.4
-12.5°	87680.1	79811.6	71883.0	64009.6	56652.0	49665.6	43197.5	37210.1	31820.2	26982.0	22608.7
-15°	82611.0	75292.8	67885.0	60646.4	53731.5	47156.8	41048.8	35364.0	30330.7	25757.3	21598.2
-17.5°	77062.1	70289.3	63408.3	56812.1	50443.0	44409.6	38733.4	33484.0	28734.3	24397.5	20448.2
-20°	71104.8	64890.9	58811.9	52789.3	46925.9	41350.6	36130.4	31372.3	26989.3	22951.0	19335.8



REPORT NUMBER: P1212211 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-80-7F-HEG

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	64890.9	59488.1	53985.1	48480.7	43293.6	38265.3	33515.3	29123.7	25055.0	21343.7	18097.2
-25°	58811.9	53985.1	49056.0	44290.5	39572.1	34977.1	30790.2	26856.7	23153.8	19753.5	16773.4
-27.5°	52789.3	48480.7	44290.5	40012.2	35777.4	31860.1	28082.4	24476.3	21116.0	18173.4	15542.7
-30°	46925.9	43293.6	39572.1	35777.4	32219.9	28703.0	25320.3	22155.3	19218.9	16559.7	14223.8
-32.5°	41350.6	38265.3	34977.1	31860.1	28703.0	25622.6	22680.7	19855.1	17307.4	15060.6	12991.3
-35°	36130.4	33515.3	30790.2	28082.4	25320.3	22680.7	20068.7	17723.3	15569.2	13548.9	11743.7
-37.5°	31372.3	29123.7	26856.7	24476.3	22155.3	19855.1	17723.3	15739.8	13830.3	12156.0	10589.7
-40°	26989.3	25055.0	23153.8	21116.0	19218.9	17307.4	15569.2	13830.3	12294.2	10814.3	9459.2
-42.5°	22951.0	21343.7	19753.5	18173.4	16559.7	15060.6	13548.9	12156.0	10814.3	9569.8	8434.2
-45°	19335.8	18097.2	16773.4	15542.7	14223.8	12991.3	11743.7	10589.7	9459.2	8434.2	7417.2
-47.5°	16229.2	15270.2	14216.8	13203.4	12167.4	11110.8	10144.2	9141.4	8251.8	7344.7	6573.1
-50°	13554.9	12807.4	11985.0	11133.0	10335.6	9485.1	8684.7	7890.0	7128.1	6430.3	5746.4
-52.5°	11245.4	10674.5	10045.4	9360.7	8716.6	8055.4	7366.4	6770.8	6146.7	5566.6	4990.5
-55°	9303.1	8847.6	8362.3	7833.4	7292.6	6800.5	6277.9	5763.1	5269.8	4754.6	4294.1
-57.5°	7649.3	7280.0	6921.8	6530.8	6108.5	5703.2	5293.1	4859.9	4453.3	4045.2	3627.0
-60°	6277.9	5982.6	5703.2	5399.1	5070.3	4721.7	4399.8	4059.3	3701.2	3360.5	3006.3
-62.5°	5098.1	4870.2	4636.3	4399.8	4143.9	3869.1	3587.1	3306.1	3010.1	2705.5	2429.6
-65°	4071.3	3895.7	3701.2	3507.4	3298.3	3073.7	2834.1	2603.3	2375.1	2135.7	1891.1
-67.5°	3148.1	3006.3	2849.1	2685.8	2526.6	2355.5	2172.8	1979.0	1796.3	1613.2	1421.9
-70°	2328.7	2222.2	2104.0	1974.6	1847.1	1718.1	1580.4	1434.2	1279.8	1143.5	1013.8
-72.5°	1620.3	1541.4	1453.9	1357.9	1253.7	1161.7	1070.1	972.7	869.8	761.7	662.8
-75°	1031.0	979.6	922.6	860.1	792.2	719.0	657.4	599.3	537.8	473.2	405.5
-77.5°	582.3	552.6	519.5	483.3	443.9	401.5	356.1	314.9	285.7	255.0	222.8
-80°	272.8	259.2	244.2	227.6	209.7	190.3	169.6	147.6	124.3	107.6	98.3
-82.5°	98.1	94.4	90.4	85.9	81.1	75.9	70.3	64.3	58.0	51.4	44.5
-85°	33.9	33.5	33.1	32.6	32.1	31.5	30.9	30.3	29.6	28.9	28.1
-87.5°	21.6	21.2	20.8	20.4	19.9	19.4	18.8	18.2	17.6	17.0	16.3
-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: P1212211 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-80-7F-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°	15.5	14.8	14.0	13.2	12.4	11.5	10.6	9.7	8.8	7.9	6.9
85°	27.3	26.5	25.7	24.8	23.9	23.0	21.2	19.4	17.6	15.7	13.8
82.5°	37.2	34.5	33.2	31.9	30.5	29.2	27.7	26.3	24.8	23.3	20.7
80°	88.6	78.6	68.1	57.3	46.2	35.3	33.4	31.5	29.5	27.5	25.4
77.5°	189.2	154.3	118.1	100.7	86.8	72.6	57.9	43.0	34.2	31.7	29.1
75°	334.9	288.5	245.0	200.2	154.0	110.0	92.5	74.6	56.4	37.8	32.7
72.5°	580.3	494.6	405.9	318.7	264.8	209.5	152.9	105.9	84.7	63.1	41.2
70°	878.7	738.5	624.3	519.7	412.1	311.5	246.9	180.9	113.8	88.0	63.1
67.5°	1223.7	1065.8	902.5	734.2	601.7	477.7	350.9	265.6	190.3	113.8	84.7
65°	1669.2	1439.3	1207.8	1020.8	828.8	651.3	510.7	367.4	265.6	180.9	105.9
62.5°	2142.9	1857.2	1595.8	1326.8	1092.3	876.3	667.9	510.7	350.9	246.9	152.9
60°	2653.0	2328.7	1994.3	1690.4	1389.6	1116.3	876.3	651.3	477.7	311.5	209.5
57.5°	3227.7	2815.0	2441.1	2068.8	1722.0	1389.6	1092.3	828.8	601.7	412.1	264.8
55°	3818.4	3361.6	2903.8	2478.7	2068.8	1690.4	1326.8	1020.8	734.2	519.7	318.7
52.5°	4444.8	3918.1	3406.5	2903.8	2441.1	1994.3	1595.8	1207.8	902.5	624.3	405.9
50°	5109.3	4495.2	3918.1	3361.6	2815.0	2328.7	1857.2	1439.3	1065.8	738.5	494.6
47.5°	5806.6	5109.3	4444.8	3818.4	3227.7	2653.0	2142.9	1669.2	1223.7	878.7	580.3
45°	6573.1	5746.4	4990.5	4294.1	3627.0	3006.3	2429.6	1891.1	1421.9	1013.8	662.8
42.5°	7344.7	6430.3	5566.6	4754.6	4045.2	3360.5	2705.5	2135.7	1613.2	1143.5	761.7
40°	8251.8	7128.1	6146.7	5269.8	4453.3	3701.2	3010.1	2375.1	1796.3	1279.8	869.8
37.5°	9141.4	7890.0	6770.8	5763.1	4859.9	4059.3	3306.1	2603.3	1979.0	1434.2	972.7
35°	10144.2	8684.7	7366.4	6277.9	5293.1	4399.8	3587.1	2834.1	2172.8	1580.4	1070.1
32.5°	11110.8	9485.1	8055.4	6800.5	5703.2	4721.7	3869.1	3073.7	2355.5	1718.1	1161.7
30°	12167.4	10335.6	8716.6	7292.6	6108.5	5070.3	4143.9	3298.3	2526.6	1847.1	1253.7
27.5°	13203.4	11133.0	9360.7	7833.4	6530.8	5399.1	4399.8	3507.4	2685.8	1974.6	1357.9
25°	14216.8	11985.0	10045.4	8362.3	6921.8	5703.2	4636.3	3701.2	2849.1	2104.0	1453.9
22.5°	15270.2	12807.4	10674.5	8847.6	7280.0	5982.6	4870.2	3895.7	3006.3	2222.2	1541.4
20°	16229.2	13554.9	11245.4	9303.1	7649.3	6277.9	5098.1	4071.3	3148.1	2328.7	1620.3
17.5°	17116.1	14282.5	11841.8	9770.9	8008.0	6540.9	5300.9	4227.5	3274.2	2423.3	1690.4
15°	18019.0	14978.0	12381.1	10180.6	8321.8	6770.8	5478.1	4363.9	3384.1	2505.9	1751.5
12.5°	18792.5	15573.1	12842.0	10530.4	8589.4	6966.8	5629.0	4480.0	3477.7	2576.1	1803.4
10°	19432.2	16064.7	13222.4	10818.8	8810.0	7128.1	5753.2	4575.5	3554.7	2633.8	1846.1
7.5°	19934.0	16449.9	13520.2	11044.4	8982.4	7254.2	5850.2	4650.0	3614.8	2678.8	1879.4
5°	20294.8	16726.7	13734.0	11206.4	9106.1	7344.7	5919.7	4703.5	3657.8	2711.0	1903.2
2.5°	20512.3	16893.4	13862.8	11303.9	9180.6	7399.0	5961.5	4735.6	3683.7	2730.4	1917.5
0°	20584.9	16949.1	13905.8	11336.4	9205.4	7417.2	5975.5	4746.3	3692.3	2736.9	1922.3
-2.5°	20512.3	16893.4	13862.8	11303.9	9180.6	7399.0	5961.5	4735.6	3683.7	2730.4	1917.5
-5°	20294.8	16726.7	13734.0	11206.4	9106.1	7344.7	5919.7	4703.5	3657.8	2711.0	1903.2
-7.5°	19934.0	16449.9	13520.2	11044.4	8982.4	7254.2	5850.2	4650.0	3614.8	2678.8	1879.4
-10°	19432.2	16064.7	13222.4	10818.8	8810.0	7128.1	5753.2	4575.5	3554.7	2633.8	1846.1
-12.5°	18792.5	15573.1	12842.0	10530.4	8589.4	6966.8	5629.0	4480.0	3477.7	2576.1	1803.4
-15°	18019.0	14978.0	12381.1	10180.6	8321.8	6770.8	5478.1	4363.9	3384.1	2505.9	1751.5
-17.5°	17116.1	14282.5	11841.8	9770.9	8008.0	6540.9	5300.9	4227.5	3274.2	2423.3	1690.4
-20°	16229.2	13554.9	11245.4	9303.1	7649.3	6277.9	5098.1	4071.3	3148.1	2328.7	1620.3



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	15270.2	12807.4	10674.5	8847.6	7280.0	5982.6	4870.2	3895.7	3006.3	2222.2	1541.4
-25°	14216.8	11985.0	10045.4	8362.3	6921.8	5703.2	4636.3	3701.2	2849.1	2104.0	1453.9
-27.5°	13203.4	11133.0	9360.7	7833.4	6530.8	5399.1	4399.8	3507.4	2685.8	1974.6	1357.9
-30°	12167.4	10335.6	8716.6	7292.6	6108.5	5070.3	4143.9	3298.3	2526.6	1847.1	1253.7
-32.5°	11110.8	9485.1	8055.4	6800.5	5703.2	4721.7	3869.1	3073.7	2355.5	1718.1	1161.7
-35°	10144.2	8684.7	7366.4	6277.9	5293.1	4399.8	3587.1	2834.1	2172.8	1580.4	1070.1
-37.5°	9141.4	7890.0	6770.8	5763.1	4859.9	4059.3	3306.1	2603.3	1979.0	1434.2	972.7
-40°	8251.8	7128.1	6146.7	5269.8	4453.3	3701.2	3010.1	2375.1	1796.3	1279.8	869.8
-42.5°	7344.7	6430.3	5566.6	4754.6	4045.2	3360.5	2705.5	2135.7	1613.2	1143.5	761.7
-45°	6573.1	5746.4	4990.5	4294.1	3627.0	3006.3	2429.6	1891.1	1421.9	1013.8	662.8
-47.5°	5806.6	5109.3	4444.8	3818.4	3227.7	2653.0	2142.9	1669.2	1223.7	878.7	580.3
-50°	5109.3	4495.2	3918.1	3361.6	2815.0	2328.7	1857.2	1439.3	1065.8	738.5	494.6
-52.5°	4444.8	3918.1	3406.5	2903.8	2441.1	1994.3	1595.8	1207.8	902.5	624.3	405.9
-55°	3818.4	3361.6	2903.8	2478.7	2068.8	1690.4	1326.8	1020.8	734.2	519.7	318.7
-57.5°	3227.7	2815.0	2441.1	2068.8	1722.0	1389.6	1092.3	828.8	601.7	412.1	264.8
-60°	2653.0	2328.7	1994.3	1690.4	1389.6	1116.3	876.3	651.3	477.7	311.5	209.5
-62.5°	2142.9	1857.2	1595.8	1326.8	1092.3	876.3	667.9	510.7	350.9	246.9	152.9
-65°	1669.2	1439.3	1207.8	1020.8	828.8	651.3	510.7	367.4	265.6	180.9	105.9
-67.5°	1223.7	1065.8	902.5	734.2	601.7	477.7	350.9	265.6	190.3	113.8	84.7
-70°	878.7	738.5	624.3	519.7	412.1	311.5	246.9	180.9	113.8	88.0	63.1
-72.5°	580.3	494.6	405.9	318.7	264.8	209.5	152.9	105.9	84.7	63.1	41.2
-75°	334.9	288.5	245.0	200.2	154.0	110.0	92.5	74.6	56.4	37.8	32.7
-77.5°	189.2	154.3	118.1	100.7	86.8	72.6	57.9	43.0	34.2	31.7	29.1
-80°	88.6	78.6	68.1	57.3	46.2	35.3	33.4	31.5	29.5	27.5	25.4
-82.5°	37.2	34.5	33.2	31.9	30.5	29.2	27.7	26.3	24.8	23.3	20.7
-85°	27.3	26.5	25.7	24.8	23.9	23.0	21.2	19.4	17.6	15.7	13.8
-87.5°	15.5	14.8	14.0	13.2	12.4	11.5	10.6	9.7	8.8	7.9	6.9
-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: P1212211 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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°	6.0	5.0	4.0	3.0	2.0	1.0	0.0
85°	11.9	9.9	8.0	6.0	4.0	2.0	0.0
82.5°	17.8	14.9	11.9	9.0	6.0	3.0	0.0
80°	23.4	19.8	15.9	11.9	8.0	4.0	0.0
77.5°	26.5	23.9	19.8	14.9	9.9	5.0	0.0
75°	29.7	26.5	23.4	17.8	11.9	6.0	0.0
72.5°	32.7	29.1	25.4	20.7	13.8	6.9	0.0
70°	37.8	31.7	27.5	23.3	15.7	7.9	0.0
67.5°	56.4	34.2	29.5	24.8	17.6	8.8	0.0
65°	74.6	43.0	31.5	26.3	19.4	9.7	0.0
62.5°	92.5	57.9	33.4	27.7	21.2	10.6	0.0
60°	110.0	72.6	35.3	29.2	23.0	11.5	0.0
57.5°	154.0	86.8	46.2	30.5	23.9	12.4	0.0
55°	200.2	100.7	57.3	31.9	24.8	13.2	0.0
52.5°	245.0	118.1	68.1	33.2	25.7	14.0	0.0
50°	288.5	154.3	78.6	34.5	26.5	14.8	0.0
47.5°	334.9	189.2	88.6	37.2	27.3	15.5	0.0
45°	405.5	222.8	98.3	44.5	28.1	16.3	0.0
42.5°	473.2	255.0	107.6	51.4	28.9	17.0	0.0
40°	537.8	285.7	124.3	58.0	29.6	17.6	0.0
37.5°	599.3	314.9	147.6	64.3	30.3	18.2	0.0
35°	657.4	356.1	169.6	70.3	30.9	18.8	0.0
32.5°	719.0	401.5	190.3	75.9	31.5	19.4	0.0
30°	792.2	443.9	209.7	81.1	32.1	19.9	0.0
27.5°	860.1	483.3	227.6	85.9	32.6	20.4	0.0
25°	922.6	519.5	244.2	90.4	33.1	20.8	0.0
22.5°	979.6	552.6	259.2	94.4	33.5	21.2	0.0
20°	1031.0	582.3	272.8	98.1	33.9	21.6	0.0
17.5°	1076.5	608.7	284.8	101.3	34.2	21.9	0.0
15°	1116.3	631.7	295.3	104.1	34.6	22.2	0.0
12.5°	1150.0	651.3	304.2	106.5	34.8	22.5	0.0
10°	1177.8	667.3	311.5	108.5	35.0	22.7	0.0
7.5°	1199.4	679.9	317.2	110.0	35.2	22.8	0.0
5°	1214.9	688.8	321.2	111.1	35.3	22.9	0.0
2.5°	1224.2	694.2	323.7	111.8	35.4	23.0	0.0
0°	1227.3	696.0	324.5	112.0	35.4	23.0	0.0
-2.5°	1224.2	694.2	323.7	111.8	35.4	23.0	0.0
-5°	1214.9	688.8	321.2	111.1	35.3	22.9	0.0
-7.5°	1199.4	679.9	317.2	110.0	35.2	22.8	0.0
-10°	1177.8	667.3	311.5	108.5	35.0	22.7	0.0
-12.5°	1150.0	651.3	304.2	106.5	34.8	22.5	0.0
-15°	1116.3	631.7	295.3	104.1	34.6	22.2	0.0
-17.5°	1076.5	608.7	284.8	101.3	34.2	21.9	0.0
-20°	1031.0	582.3	272.8	98.1	33.9	21.6	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	979.6	552.6	259.2	94.4	33.5	21.2	0.0
-25°	922.6	519.5	244.2	90.4	33.1	20.8	0.0
-27.5°	860.1	483.3	227.6	85.9	32.6	20.4	0.0
-30°	792.2	443.9	209.7	81.1	32.1	19.9	0.0
-32.5°	719.0	401.5	190.3	75.9	31.5	19.4	0.0
-35°	657.4	356.1	169.6	70.3	30.9	18.8	0.0
-37.5°	599.3	314.9	147.6	64.3	30.3	18.2	0.0
-40°	537.8	285.7	124.3	58.0	29.6	17.6	0.0
-42.5°	473.2	255.0	107.6	51.4	28.9	17.0	0.0
-45°	405.5	222.8	98.3	44.5	28.1	16.3	0.0
-47.5°	334.9	189.2	88.6	37.2	27.3	15.5	0.0
-50°	288.5	154.3	78.6	34.5	26.5	14.8	0.0
-52.5°	245.0	118.1	68.1	33.2	25.7	14.0	0.0
-55°	200.2	100.7	57.3	31.9	24.8	13.2	0.0
-57.5°	154.0	86.8	46.2	30.5	23.9	12.4	0.0
-60°	110.0	72.6	35.3	29.2	23.0	11.5	0.0
-62.5°	92.5	57.9	33.4	27.7	21.2	10.6	0.0
-65°	74.6	43.0	31.5	26.3	19.4	9.7	0.0
-67.5°	56.4	34.2	29.5	24.8	17.6	8.8	0.0
-70°	37.8	31.7	27.5	23.3	15.7	7.9	0.0
-72.5°	32.7	29.1	25.4	20.7	13.8	6.9	0.0
-75°	29.7	26.5	23.4	17.8	11.9	6.0	0.0
-77.5°	26.5	23.9	19.8	14.9	9.9	5.0	0.0
-80°	23.4	19.8	15.9	11.9	8.0	4.0	0.0
-82.5°	17.8	14.9	11.9	9.0	6.0	3.0	0.0
-85°	11.9	9.9	8.0	6.0	4.0	2.0	0.0
-87.5°	6.0	5.0	4.0	3.0	2.0	1.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)