

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: P1212193 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-57-70-7F-HEG**

Issue Date: 11/14/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P1212193 (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-57-70-7F-HEG  
Description: EPHESUS LS12 LUMINAIRE  
(12) 5700K, 70 CRI LEDS AND 7F BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

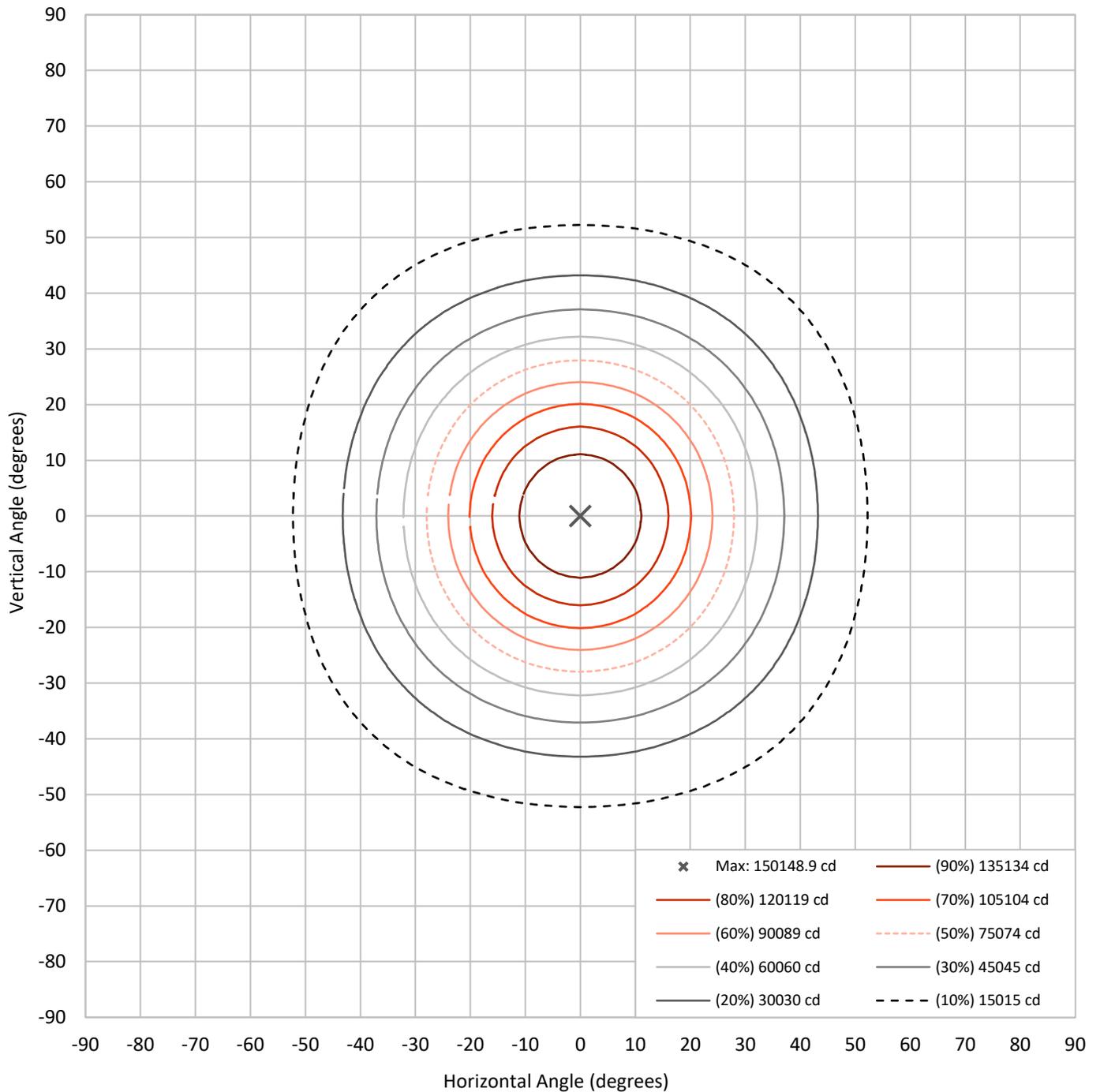
Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	157619.6 lumens	Max Intensity:	150148.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	151.4 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	55.9°H x 55.9°V	Field Angle (10%):	104.5°H x 104.5°V
Beam Lumens:	79066.8 lumens	Field Lumens:	143292 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

REPORT NUMBER: P1212193 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-1000R-57-70-7F-HEG

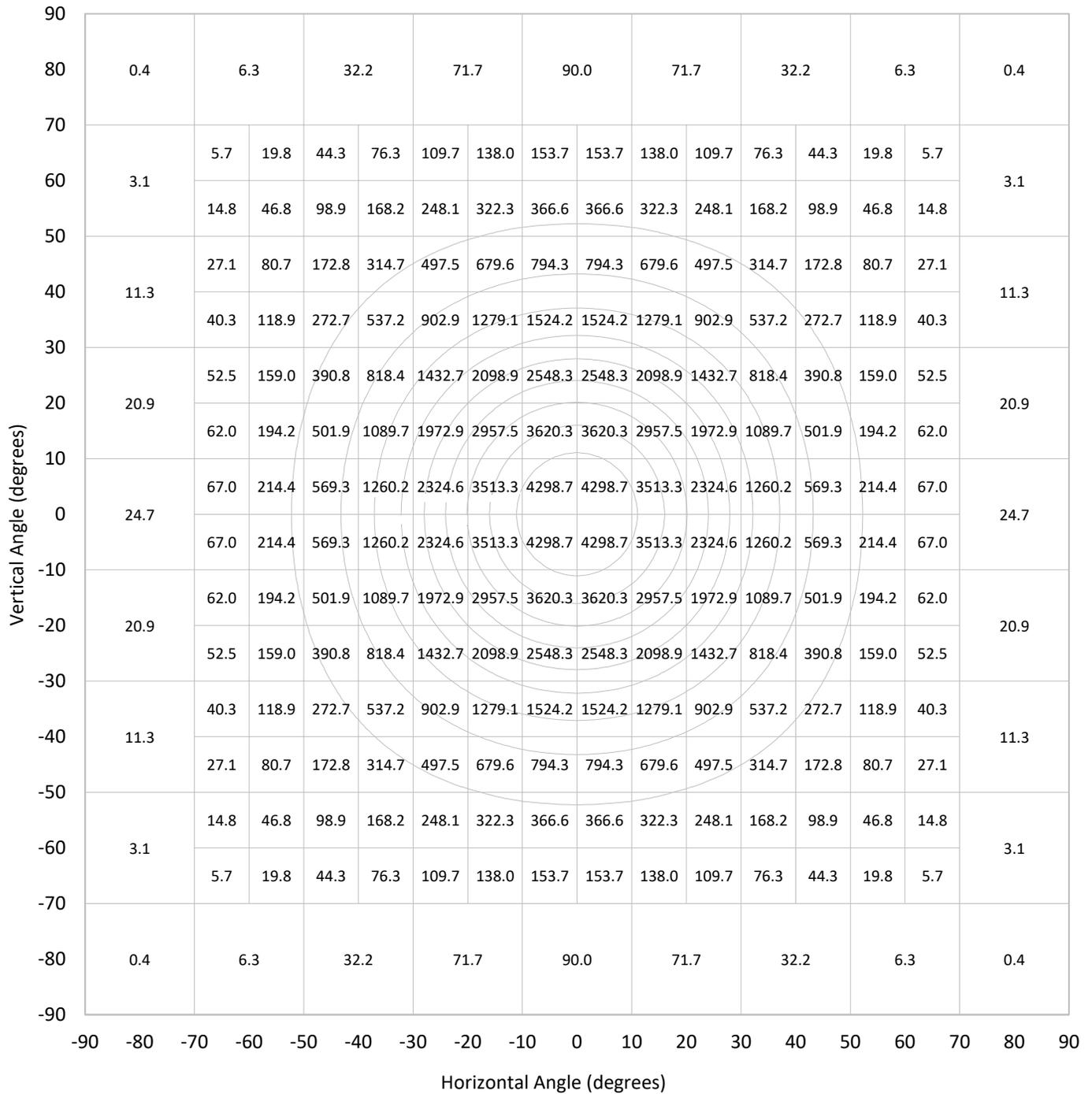
### Iso-Candela Plot





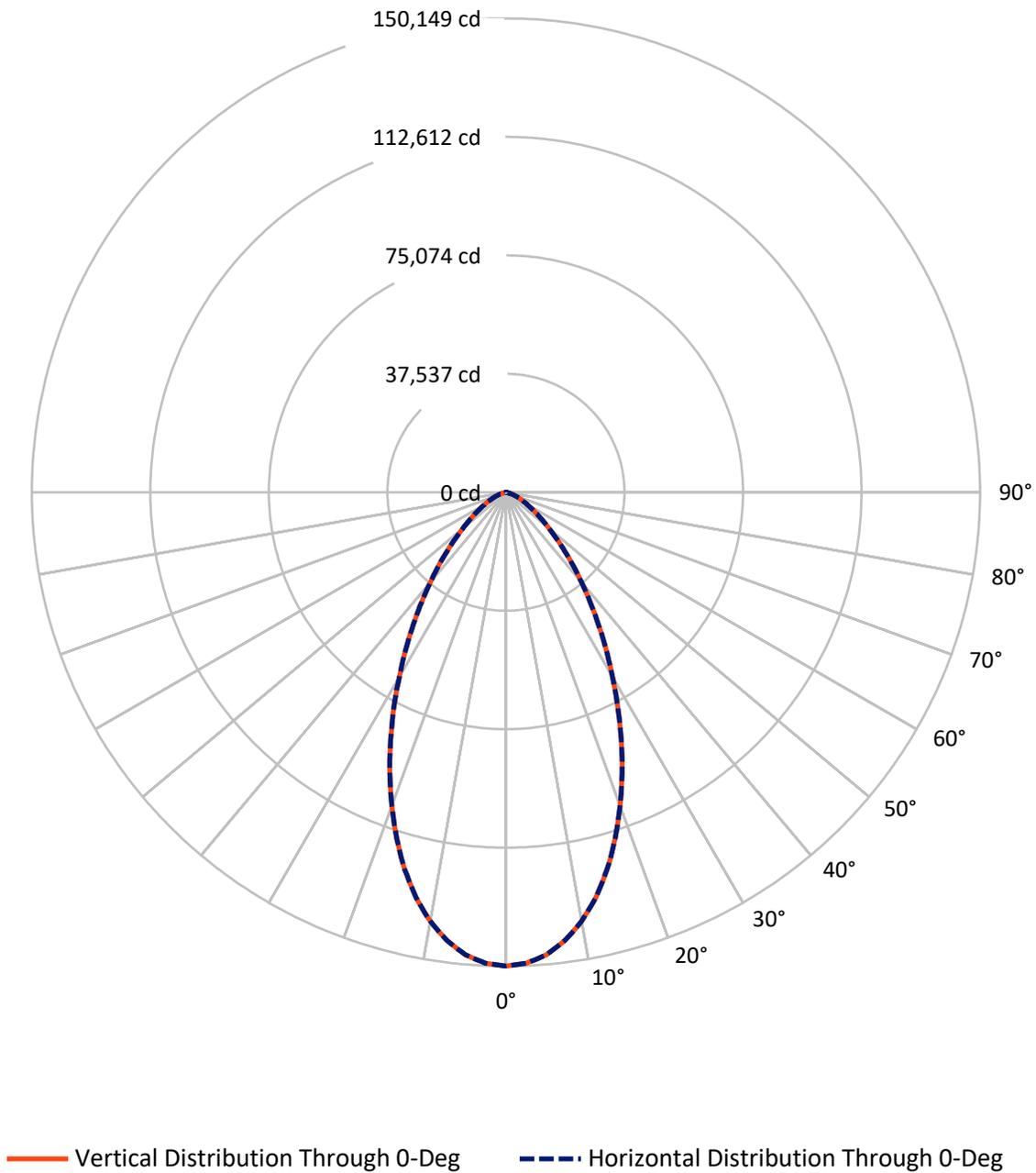
REPORT NUMBER: P1212193 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-70-7F-HEG

### Lumen Table



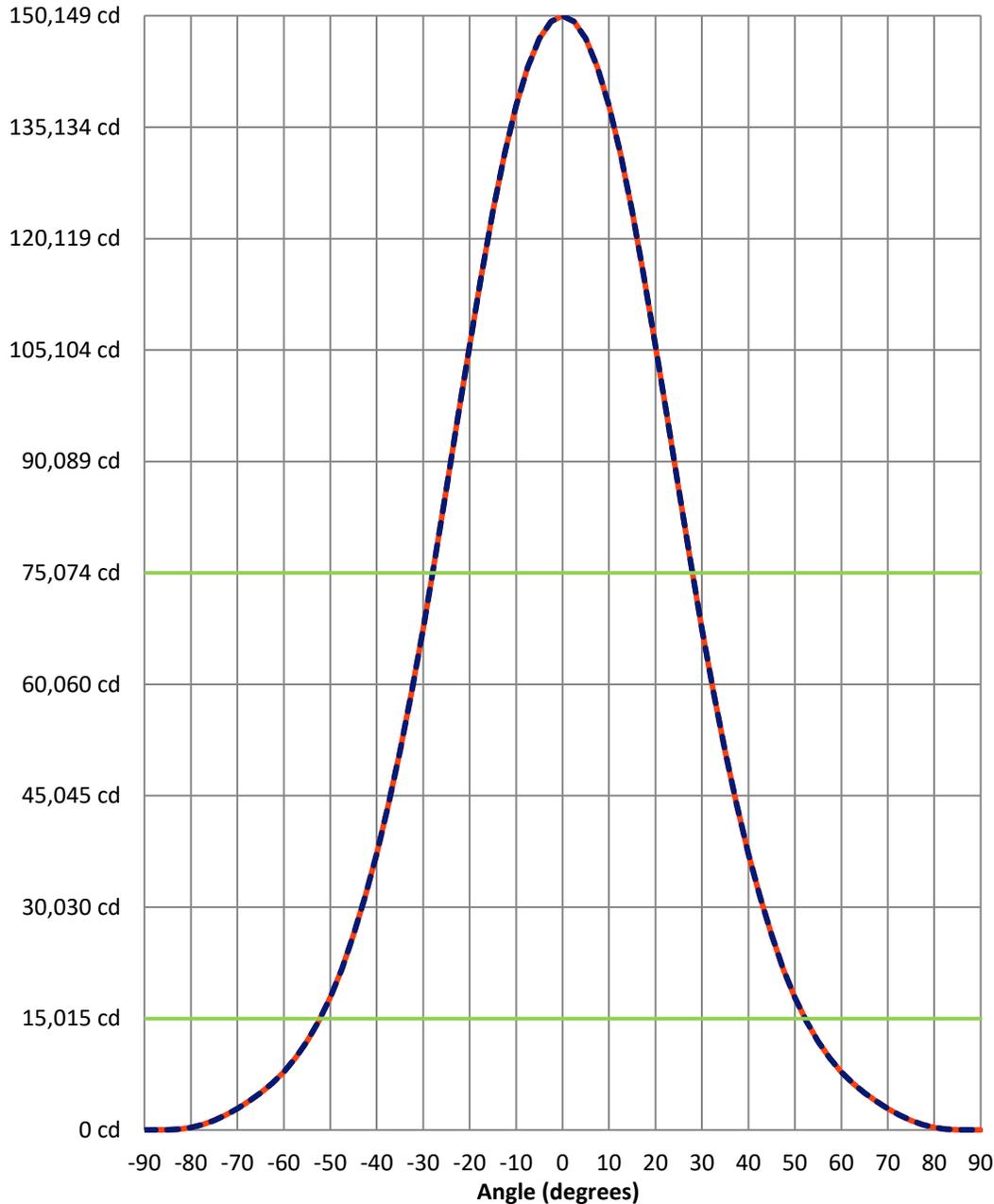
REPORT NUMBER: P1212193 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS12-1000R-57-70-7F-HEG

### Luminous Intensity Polar Plot



REPORT NUMBER: P1212193 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-70-7F-HEG

### Luminous Intensity Plot



**Beam:**  
 H Angle: 55.9°  
 V Angle: 55.9°  
 Lumens: 79066.8  
 Efficiency: 50.2%

**Field:**  
 H Angle: 104.5°  
 V Angle: 104.5°  
 Lumens: 143292  
 Efficiency: 90.9%

**Spill:**  
 Lumens: 14327.6  
 Efficiency: 9.1%

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



REPORT NUMBER: P1212193 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-70-7F-HEG

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	1.1	2.1	3.2	4.2	5.2	6.3	7.3	8.3	9.3	10.2
85°	0.0	2.1	4.2	6.3	8.4	10.5	12.5	14.5	16.5	18.5	20.4
82.5°	0.0	3.2	6.3	9.4	12.6	15.7	18.7	21.8	24.5	26.1	27.7
80°	0.0	4.2	8.4	12.6	16.7	20.9	24.6	26.8	28.9	31.1	33.2
77.5°	0.0	5.2	10.5	15.7	20.9	25.2	27.9	30.7	33.3	36.0	45.3
75°	0.0	6.3	12.5	18.7	24.6	27.9	31.2	34.5	39.8	59.4	78.7
72.5°	0.0	7.3	14.5	21.8	26.8	30.7	34.5	43.4	66.5	89.3	111.7
70°	0.0	8.3	16.5	24.5	28.9	33.3	39.8	66.5	92.8	120.0	190.8
67.5°	0.0	9.3	18.5	26.1	31.1	36.0	59.4	89.3	120.0	200.7	280.1
65°	0.0	10.2	20.4	27.7	33.2	45.3	78.7	111.7	190.8	280.1	387.4
62.5°	0.0	11.2	22.3	29.2	35.2	61.1	97.5	161.2	260.3	370.1	538.5
60°	0.0	12.1	24.2	30.7	37.2	76.5	116.0	221.0	328.4	503.8	686.8
57.5°	0.0	13.0	25.2	32.2	48.7	91.5	162.4	279.3	434.5	634.5	873.9
55°	0.0	13.9	26.1	33.6	60.4	106.2	211.1	336.1	548.0	774.1	1076.4
52.5°	0.0	14.7	27.0	35.0	71.8	124.5	258.4	428.1	658.3	951.6	1273.6
50°	0.0	15.6	27.9	36.3	82.8	162.7	304.2	521.6	778.7	1123.8	1517.7
47.5°	0.0	16.3	28.8	39.2	93.4	199.5	353.2	611.9	926.6	1290.4	1760.1
45°	0.0	17.1	29.6	46.9	103.7	234.9	427.6	698.9	1069.0	1499.2	1994.0
42.5°	0.0	17.8	30.4	54.2	113.4	268.9	499.0	803.2	1205.7	1701.0	2251.9
40°	0.0	18.5	31.2	61.2	131.0	301.3	567.1	917.2	1349.5	1894.1	2504.3
37.5°	0.0	19.2	31.9	67.8	155.6	332.1	631.9	1025.6	1512.2	2086.7	2745.0
35°	0.0	19.8	32.6	74.1	178.9	375.5	693.2	1128.3	1666.4	2291.1	2988.4
32.5°	0.0	20.4	33.2	80.0	200.7	423.4	758.2	1224.9	1811.6	2483.7	3241.1
30°	0.0	21.0	33.8	85.5	221.1	468.1	835.3	1321.9	1947.6	2664.1	3477.9
27.5°	0.0	21.5	34.3	90.6	240.0	509.6	906.9	1431.8	2082.0	2832.0	3698.4
25°	0.0	21.9	34.8	95.3	257.5	547.9	972.8	1533.0	2218.5	3004.2	3902.7
22.5°	0.0	22.4	35.3	99.6	273.3	582.7	1032.9	1625.3	2343.1	3169.9	4107.8
20°	0.0	22.7	35.7	103.4	287.6	614.1	1087.1	1708.5	2455.5	3319.5	4293.0
17.5°	0.0	23.1	36.1	106.8	300.3	641.9	1135.1	1782.4	2555.3	3452.5	4457.7
15°	0.0	23.4	36.4	109.8	311.4	666.1	1177.0	1846.8	2642.3	3568.4	4601.5
12.5°	0.0	23.6	36.7	112.3	320.7	686.8	1212.6	1901.5	2716.3	3667.1	4723.9
10°	0.0	23.8	36.9	114.4	328.4	703.7	1241.9	1946.5	2777.1	3748.3	4824.6
7.5°	0.0	24.0	37.1	116.0	334.5	716.9	1264.7	1981.6	2824.6	3811.6	4903.2
5°	0.0	24.1	37.2	117.2	338.8	726.3	1281.0	2006.8	2858.6	3857.0	4959.5
2.5°	0.0	24.2	37.3	117.9	341.3	732.0	1290.8	2021.9	2879.1	3884.3	4993.4
0°	0.0	24.2	37.3	118.1	342.2	733.9	1294.1	2026.9	2885.9	3893.4	5004.7
-2.5°	0.0	24.2	37.3	117.9	341.3	732.0	1290.8	2021.9	2879.1	3884.3	4993.4
-5°	0.0	24.1	37.2	117.2	338.8	726.3	1281.0	2006.8	2858.6	3857.0	4959.5
-7.5°	0.0	24.0	37.1	116.0	334.5	716.9	1264.7	1981.6	2824.6	3811.6	4903.2
-10°	0.0	23.8	36.9	114.4	328.4	703.7	1241.9	1946.5	2777.1	3748.3	4824.6
-12.5°	0.0	23.6	36.7	112.3	320.7	686.8	1212.6	1901.5	2716.3	3667.1	4723.9
-15°	0.0	23.4	36.4	109.8	311.4	666.1	1177.0	1846.8	2642.3	3568.4	4601.5
-17.5°	0.0	23.1	36.1	106.8	300.3	641.9	1135.1	1782.4	2555.3	3452.5	4457.7
-20°	0.0	22.7	35.7	103.4	287.6	614.1	1087.1	1708.5	2455.5	3319.5	4293.0



REPORT NUMBER: P1212193 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-70-7F-HEG

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	22.4	35.3	99.6	273.3	582.7	1032.9	1625.3	2343.1	3169.9	4107.8
-25°	0.0	21.9	34.8	95.3	257.5	547.9	972.8	1533.0	2218.5	3004.2	3902.7
-27.5°	0.0	21.5	34.3	90.6	240.0	509.6	906.9	1431.8	2082.0	2832.0	3698.4
-30°	0.0	21.0	33.8	85.5	221.1	468.1	835.3	1321.9	1947.6	2664.1	3477.9
-32.5°	0.0	20.4	33.2	80.0	200.7	423.4	758.2	1224.9	1811.6	2483.7	3241.1
-35°	0.0	19.8	32.6	74.1	178.9	375.5	693.2	1128.3	1666.4	2291.1	2988.4
-37.5°	0.0	19.2	31.9	67.8	155.6	332.1	631.9	1025.6	1512.2	2086.7	2745.0
-40°	0.0	18.5	31.2	61.2	131.0	301.3	567.1	917.2	1349.5	1894.1	2504.3
-42.5°	0.0	17.8	30.4	54.2	113.4	268.9	499.0	803.2	1205.7	1701.0	2251.9
-45°	0.0	17.1	29.6	46.9	103.7	234.9	427.6	698.9	1069.0	1499.2	1994.0
-47.5°	0.0	16.3	28.8	39.2	93.4	199.5	353.2	611.9	926.6	1290.4	1760.1
-50°	0.0	15.6	27.9	36.3	82.8	162.7	304.2	521.6	778.7	1123.8	1517.7
-52.5°	0.0	14.7	27.0	35.0	71.8	124.5	258.4	428.1	658.3	951.6	1273.6
-55°	0.0	13.9	26.1	33.6	60.4	106.2	211.1	336.1	548.0	774.1	1076.4
-57.5°	0.0	13.0	25.2	32.2	48.7	91.5	162.4	279.3	434.5	634.5	873.9
-60°	0.0	12.1	24.2	30.7	37.2	76.5	116.0	221.0	328.4	503.8	686.8
-62.5°	0.0	11.2	22.3	29.2	35.2	61.1	97.5	161.2	260.3	370.1	538.5
-65°	0.0	10.2	20.4	27.7	33.2	45.3	78.7	111.7	190.8	280.1	387.4
-67.5°	0.0	9.3	18.5	26.1	31.1	36.0	59.4	89.3	120.0	200.7	280.1
-70°	0.0	8.3	16.5	24.5	28.9	33.3	39.8	66.5	92.8	120.0	190.8
-72.5°	0.0	7.3	14.5	21.8	26.8	30.7	34.5	43.4	66.5	89.3	111.7
-75°	0.0	6.3	12.5	18.7	24.6	27.9	31.2	34.5	39.8	59.4	78.7
-77.5°	0.0	5.2	10.5	15.7	20.9	25.2	27.9	30.7	33.3	36.0	45.3
-80°	0.0	4.2	8.4	12.6	16.7	20.9	24.6	26.8	28.9	31.1	33.2
-82.5°	0.0	3.2	6.3	9.4	12.6	15.7	18.7	21.8	24.5	26.1	27.7
-85°	0.0	2.1	4.2	6.3	8.4	10.5	12.5	14.5	16.5	18.5	20.4
-87.5°	0.0	1.1	2.1	3.2	4.2	5.2	6.3	7.3	8.3	9.3	10.2
-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: P1212193 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-70-7F-HEG

**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°	11.2	12.1	13.0	13.9	14.7	15.6	16.3	17.1	17.8	18.5	19.2
85°	22.3	24.2	25.2	26.1	27.0	27.9	28.8	29.6	30.4	31.2	31.9
82.5°	29.2	30.7	32.2	33.6	35.0	36.3	39.2	46.9	54.2	61.2	67.8
80°	35.2	37.2	48.7	60.4	71.8	82.8	93.4	103.7	113.4	131.0	155.6
77.5°	61.1	76.5	91.5	106.2	124.5	162.7	199.5	234.9	268.9	301.3	332.1
75°	97.5	116.0	162.4	211.1	258.4	304.2	353.2	427.6	499.0	567.1	631.9
72.5°	161.2	221.0	279.3	336.1	428.1	521.6	611.9	698.9	803.2	917.2	1025.6
70°	260.3	328.4	434.5	548.0	658.3	778.7	926.6	1069.0	1205.7	1349.5	1512.2
67.5°	370.1	503.8	634.5	774.1	951.6	1123.8	1290.4	1499.2	1701.0	1894.1	2086.7
65°	538.5	686.8	873.9	1076.4	1273.6	1517.7	1760.1	1994.0	2251.9	2504.3	2745.0
62.5°	704.2	924.0	1151.8	1399.0	1682.6	1958.3	2259.5	2561.8	2852.7	3174.1	3486.1
60°	924.0	1177.0	1465.3	1782.4	2102.8	2455.5	2797.5	3169.9	3543.5	3902.7	4280.4
57.5°	1151.8	1465.3	1815.7	2181.4	2573.9	2968.3	3403.4	3824.6	4265.5	4695.8	5124.4
55°	1399.0	1782.4	2181.4	2613.6	3061.9	3544.7	4026.4	4527.9	5013.4	5556.7	6076.9
52.5°	1682.6	2102.8	2573.9	3061.9	3592.0	4131.5	4686.8	5262.2	5869.7	6481.3	7139.4
50°	1958.3	2455.5	2968.3	3544.7	4131.5	4740.0	5387.5	6059.2	6780.3	7516.2	8319.6
47.5°	2259.5	2797.5	3403.4	4026.4	4686.8	5387.5	6122.7	6930.9	7744.5	8701.1	9639.1
45°	2561.8	3169.9	3824.6	4527.9	5262.2	6059.2	6930.9	7821.0	8893.4	9974.2	11166.2
42.5°	2852.7	3543.5	4265.5	5013.4	5869.7	6780.3	7744.5	8893.4	10090.9	11403.1	12817.8
40°	3174.1	3902.7	4695.8	5556.7	6481.3	7516.2	8701.1	9974.2	11403.1	12963.6	14583.3
37.5°	3486.1	4280.4	5124.4	6076.9	7139.4	8319.6	9639.1	11166.2	12817.8	14583.3	16596.7
35°	3782.5	4639.4	5581.3	6619.6	7767.4	9157.5	10696.5	12383.0	14286.6	16416.8	18688.2
32.5°	4079.8	4978.8	6013.7	7170.7	8493.9	10001.6	11715.8	13698.6	15880.6	18249.7	20936.2
30°	4369.5	5346.3	6441.0	7689.7	9191.2	10898.3	12829.8	14998.2	17461.3	20265.4	23361.5
27.5°	4639.4	5693.1	6886.4	8259.8	9870.3	11739.1	13922.3	16388.9	19162.9	22265.8	25808.9
25°	4888.7	6013.7	7298.6	8817.6	10592.3	12637.5	14990.8	17686.7	20829.0	24414.4	28318.8
22.5°	5135.3	6308.3	7676.3	9329.3	11255.7	13504.7	16101.6	19082.6	22505.8	26419.1	30709.3
20°	5375.6	6619.6	8065.7	9809.6	11857.6	14292.9	17112.8	20388.6	24200.6	28458.7	33080.3
17.5°	5589.5	6897.0	8444.0	10302.9	12486.5	15060.1	18048.0	21561.6	25725.8	30298.7	35307.0
15°	5776.3	7139.4	8774.8	10734.9	13055.2	15793.5	19000.0	22774.1	27159.6	31982.0	37289.4
12.5°	5935.4	7346.0	9057.1	11103.7	13541.2	16421.0	19815.7	23839.6	28451.0	33552.6	39236.0
10°	6066.4	7516.2	9289.6	11407.8	13942.3	16939.3	20490.2	24721.9	29522.0	34857.6	40857.0
7.5°	6168.7	7649.2	9471.5	11645.8	14256.3	17345.5	21019.4	25414.8	30364.3	35885.6	42136.3
5°	6242.0	7744.5	9601.9	11816.5	14481.8	17637.4	21399.8	25913.5	30971.1	36627.0	43060.4
2.5°	6286.1	7801.9	9680.4	11919.3	14617.6	17813.2	21629.1	26214.2	31337.3	37074.8	43619.1
0°	6300.8	7821.0	9706.6	11953.6	14662.9	17871.9	21705.7	26314.7	31459.7	37224.6	43806.0
-2.5°	6286.1	7801.9	9680.4	11919.3	14617.6	17813.2	21629.1	26214.2	31337.3	37074.8	43619.1
-5°	6242.0	7744.5	9601.9	11816.5	14481.8	17637.4	21399.8	25913.5	30971.1	36627.0	43060.4
-7.5°	6168.7	7649.2	9471.5	11645.8	14256.3	17345.5	21019.4	25414.8	30364.3	35885.6	42136.3
-10°	6066.4	7516.2	9289.6	11407.8	13942.3	16939.3	20490.2	24721.9	29522.0	34857.6	40857.0
-12.5°	5935.4	7346.0	9057.1	11103.7	13541.2	16421.0	19815.7	23839.6	28451.0	33552.6	39236.0
-15°	5776.3	7139.4	8774.8	10734.9	13055.2	15793.5	19000.0	22774.1	27159.6	31982.0	37289.4
-17.5°	5589.5	6897.0	8444.0	10302.9	12486.5	15060.1	18048.0	21561.6	25725.8	30298.7	35307.0
-20°	5375.6	6619.6	8065.7	9809.6	11857.6	14292.9	17112.8	20388.6	24200.6	28458.7	33080.3



REPORT NUMBER: P1212193 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-1000R-57-70-7F-HEG

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	5135.3	6308.3	7676.3	9329.3	11255.7	13504.7	16101.6	19082.6	22505.8	26419.1	30709.3
-25°	4888.7	6013.7	7298.6	8817.6	10592.3	12637.5	14990.8	17686.7	20829.0	24414.4	28318.8
-27.5°	4639.4	5693.1	6886.4	8259.8	9870.3	11739.1	13922.3	16388.9	19162.9	22265.8	25808.9
-30°	4369.5	5346.3	6441.0	7689.7	9191.2	10898.3	12829.8	14998.2	17461.3	20265.4	23361.5
-32.5°	4079.8	4978.8	6013.7	7170.7	8493.9	10001.6	11715.8	13698.6	15880.6	18249.7	20936.2
-35°	3782.5	4639.4	5581.3	6619.6	7767.4	9157.5	10696.5	12383.0	14286.6	16416.8	18688.2
-37.5°	3486.1	4280.4	5124.4	6076.9	7139.4	8319.6	9639.1	11166.2	12817.8	14583.3	16596.7
-40°	3174.1	3902.7	4695.8	5556.7	6481.3	7516.2	8701.1	9974.2	11403.1	12963.6	14583.3
-42.5°	2852.7	3543.5	4265.5	5013.4	5869.7	6780.3	7744.5	8893.4	10090.9	11403.1	12817.8
-45°	2561.8	3169.9	3824.6	4527.9	5262.2	6059.2	6930.9	7821.0	8893.4	9974.2	11166.2
-47.5°	2259.5	2797.5	3403.4	4026.4	4686.8	5387.5	6122.7	6930.9	7744.5	8701.1	9639.1
-50°	1958.3	2455.5	2968.3	3544.7	4131.5	4740.0	5387.5	6059.2	6780.3	7516.2	8319.6
-52.5°	1682.6	2102.8	2573.9	3061.9	3592.0	4131.5	4686.8	5262.2	5869.7	6481.3	7139.4
-55°	1399.0	1782.4	2181.4	2613.6	3061.9	3544.7	4026.4	4527.9	5013.4	5556.7	6076.9
-57.5°	1151.8	1465.3	1815.7	2181.4	2573.9	2968.3	3403.4	3824.6	4265.5	4695.8	5124.4
-60°	924.0	1177.0	1465.3	1782.4	2102.8	2455.5	2797.5	3169.9	3543.5	3902.7	4280.4
-62.5°	704.2	924.0	1151.8	1399.0	1682.6	1958.3	2259.5	2561.8	2852.7	3174.1	3486.1
-65°	538.5	686.8	873.9	1076.4	1273.6	1517.7	1760.1	1994.0	2251.9	2504.3	2745.0
-67.5°	370.1	503.8	634.5	774.1	951.6	1123.8	1290.4	1499.2	1701.0	1894.1	2086.7
-70°	260.3	328.4	434.5	548.0	658.3	778.7	926.6	1069.0	1205.7	1349.5	1512.2
-72.5°	161.2	221.0	279.3	336.1	428.1	521.6	611.9	698.9	803.2	917.2	1025.6
-75°	97.5	116.0	162.4	211.1	258.4	304.2	353.2	427.6	499.0	567.1	631.9
-77.5°	61.1	76.5	91.5	106.2	124.5	162.7	199.5	234.9	268.9	301.3	332.1
-80°	35.2	37.2	48.7	60.4	71.8	82.8	93.4	103.7	113.4	131.0	155.6
-82.5°	29.2	30.7	32.2	33.6	35.0	36.3	39.2	46.9	54.2	61.2	67.8
-85°	22.3	24.2	25.2	26.1	27.0	27.9	28.8	29.6	30.4	31.2	31.9
-87.5°	11.2	12.1	13.0	13.9	14.7	15.6	16.3	17.1	17.8	18.5	19.2
-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: P1212193 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-70-7F-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°	19.8	20.4	21.0	21.5	21.9	22.4	22.7	23.1	23.4	23.6	23.8
85°	32.6	33.2	33.8	34.3	34.8	35.3	35.7	36.1	36.4	36.7	36.9
82.5°	74.1	80.0	85.5	90.6	95.3	99.6	103.4	106.8	109.8	112.3	114.4
80°	178.9	200.7	221.1	240.0	257.5	273.3	287.6	300.3	311.4	320.7	328.4
77.5°	375.5	423.4	468.1	509.6	547.9	582.7	614.1	641.9	666.1	686.8	703.7
75°	693.2	758.2	835.3	906.9	972.8	1032.9	1087.1	1135.1	1177.0	1212.6	1241.9
72.5°	1128.3	1224.9	1321.9	1431.8	1533.0	1625.3	1708.5	1782.4	1846.8	1901.5	1946.5
70°	1666.4	1811.6	1947.6	2082.0	2218.5	2343.1	2455.5	2555.3	2642.3	2716.3	2777.1
67.5°	2291.1	2483.7	2664.1	2832.0	3004.2	3169.9	3319.5	3452.5	3568.4	3667.1	3748.3
65°	2988.4	3241.1	3477.9	3698.4	3902.7	4107.8	4293.0	4457.7	4601.5	4723.9	4824.6
62.5°	3782.5	4079.8	4369.5	4639.4	4888.7	5135.3	5375.6	5589.5	5776.3	5935.4	6066.4
60°	4639.4	4978.8	5346.3	5693.1	6013.7	6308.3	6619.6	6897.0	7139.4	7346.0	7516.2
57.5°	5581.3	6013.7	6441.0	6886.4	7298.6	7676.3	8065.7	8444.0	8774.8	9057.1	9289.6
55°	6619.6	7170.7	7689.7	8259.8	8817.6	9329.3	9809.6	10302.9	10734.9	11103.7	11407.8
52.5°	7767.4	8493.9	9191.2	9870.3	10592.3	11255.7	11857.6	12486.5	13055.2	13541.2	13942.3
50°	9157.5	10001.6	10898.3	11739.1	12637.5	13504.7	14292.9	15060.1	15793.5	16421.0	16939.3
47.5°	10696.5	11715.8	12829.8	13922.3	14990.8	16101.6	17112.8	18048.0	19000.0	19815.7	20490.2
45°	12383.0	13698.6	14998.2	16388.9	17686.7	19082.6	20388.6	21561.6	22774.1	23839.6	24721.9
42.5°	14286.6	15880.6	17461.3	19162.9	20829.0	22505.8	24200.6	25725.8	27159.6	28451.0	29522.0
40°	16416.8	18249.7	20265.4	22265.8	24414.4	26419.1	28458.7	30298.7	31982.0	33552.6	34857.6
37.5°	18688.2	20936.2	23361.5	25808.9	28318.8	30709.3	33080.3	35307.0	37289.4	39236.0	40857.0
35°	21161.4	23915.6	26698.8	29611.3	32466.5	35340.0	38097.4	40842.2	43283.6	45549.3	47482.5
32.5°	23915.6	27017.6	30265.7	33594.6	36881.4	40348.6	43601.9	46827.4	49724.2	52369.6	54697.4
30°	26698.8	30265.7	33974.1	37725.3	41726.5	45650.7	49480.7	53189.3	56656.9	59736.4	62469.7
27.5°	29611.3	33594.6	37725.3	42190.6	46701.8	51120.1	55663.3	59905.2	63948.2	67494.5	70750.9
25°	32466.5	36881.4	41726.5	46701.8	51726.8	56924.3	62013.9	66860.4	71580.9	75796.6	79460.1
22.5°	35340.0	40348.6	45650.7	51120.1	56924.3	62726.8	68423.8	74116.1	79392.0	84156.9	88274.8
20°	38097.4	43601.9	49480.7	55663.3	62013.9	68423.8	74976.0	81257.7	87108.6	92453.7	97044.9
17.5°	40842.2	46827.4	53189.3	59905.2	66860.4	74116.1	81257.7	88130.3	94620.2	100379.5	105373.2
15°	43283.6	49724.2	56656.9	63948.2	71580.9	79392.0	87108.6	94620.2	101523.2	107794.4	113306.2
12.5°	45549.3	52369.6	59736.4	67494.5	75796.6	84156.9	92453.7	100379.5	107794.4	114645.0	120429.0
10°	47482.5	54697.4	62469.7	70750.9	79460.1	88274.8	97044.9	105373.2	113306.2	120429.0	126662.1
7.5°	49011.7	56543.7	64645.0	73354.5	82428.9	91644.2	100704.5	109445.5	117727.2	125238.1	131548.6
5°	50118.2	57882.8	66227.0	75254.5	84604.9	94128.2	103423.4	112500.1	121003.9	128702.8	135135.8
2.5°	50788.0	58694.6	67188.0	76411.5	85934.3	95652.1	105101.1	114400.5	123066.9	130800.7	137287.4
0°	<b>51012.3</b>	<b>58966.6</b>	<b>67510.3</b>	<b>76800.1</b>	<b>86381.5</b>	<b>96165.9</b>	<b>105668.6</b>	<b>115046.2</b>	<b>123772.7</b>	<b>131484.2</b>	<b>138029.8</b>
-2.5°	50788.0	58694.6	67188.0	76411.5	85934.3	95652.1	105101.1	114400.5	123066.9	130800.7	137287.4
-5°	50118.2	57882.8	66227.0	75254.5	84604.9	94128.2	103423.4	112500.1	121003.9	128702.8	135135.8
-7.5°	49011.7	56543.7	64645.0	73354.5	82428.9	91644.2	100704.5	109445.5	117727.2	125238.1	131548.6
-10°	47482.5	54697.4	62469.7	70750.9	79460.1	88274.8	97044.9	105373.2	113306.2	120429.0	126662.1
-12.5°	45549.3	52369.6	59736.4	67494.5	75796.6	84156.9	92453.7	100379.5	107794.4	114645.0	120429.0
-15°	43283.6	49724.2	56656.9	63948.2	71580.9	79392.0	87108.6	94620.2	101523.2	107794.4	113306.2
-17.5°	40842.2	46827.4	53189.3	59905.2	66860.4	74116.1	81257.7	88130.3	94620.2	100379.5	105373.2
-20°	38097.4	43601.9	49480.7	55663.3	62013.9	68423.8	74976.0	81257.7	87108.6	92453.7	97044.9



REPORT NUMBER: P1212193 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-70-7F-HEG

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	35340.0	40348.6	45650.7	51120.1	56924.3	62726.8	68423.8	74116.1	79392.0	84156.9	88274.8
-25°	32466.5	36881.4	41726.5	46701.8	51726.8	56924.3	62013.9	66860.4	71580.9	75796.6	79460.1
-27.5°	29611.3	33594.6	37725.3	42190.6	46701.8	51120.1	55663.3	59905.2	63948.2	67494.5	70750.9
-30°	26698.8	30265.7	33974.1	37725.3	41726.5	45650.7	49480.7	53189.3	56656.9	59736.4	62469.7
-32.5°	23915.6	27017.6	30265.7	33594.6	36881.4	40348.6	43601.9	46827.4	49724.2	52369.6	54697.4
-35°	21161.4	23915.6	26698.8	29611.3	32466.5	35340.0	38097.4	40842.2	43283.6	45549.3	47482.5
-37.5°	18688.2	20936.2	23361.5	25808.9	28318.8	30709.3	33080.3	35307.0	37289.4	39236.0	40857.0
-40°	16416.8	18249.7	20265.4	22265.8	24414.4	26419.1	28458.7	30298.7	31982.0	33552.6	34857.6
-42.5°	14286.6	15880.6	17461.3	19162.9	20829.0	22505.8	24200.6	25725.8	27159.6	28451.0	29522.0
-45°	12383.0	13698.6	14998.2	16388.9	17686.7	19082.6	20388.6	21561.6	22774.1	23839.6	24721.9
-47.5°	10696.5	11715.8	12829.8	13922.3	14990.8	16101.6	17112.8	18048.0	19000.0	19815.7	20490.2
-50°	9157.5	10001.6	10898.3	11739.1	12637.5	13504.7	14292.9	15060.1	15793.5	16421.0	16939.3
-52.5°	7767.4	8493.9	9191.2	9870.3	10592.3	11255.7	11857.6	12486.5	13055.2	13541.2	13942.3
-55°	6619.6	7170.7	7689.7	8259.8	8817.6	9329.3	9809.6	10302.9	10734.9	11103.7	11407.8
-57.5°	5581.3	6013.7	6441.0	6886.4	7298.6	7676.3	8065.7	8444.0	8774.8	9057.1	9289.6
-60°	4639.4	4978.8	5346.3	5693.1	6013.7	6308.3	6619.6	6897.0	7139.4	7346.0	7516.2
-62.5°	3782.5	4079.8	4369.5	4639.4	4888.7	5135.3	5375.6	5589.5	5776.3	5935.4	6066.4
-65°	2988.4	3241.1	3477.9	3698.4	3902.7	4107.8	4293.0	4457.7	4601.5	4723.9	4824.6
-67.5°	2291.1	2483.7	2664.1	2832.0	3004.2	3169.9	3319.5	3452.5	3568.4	3667.1	3748.3
-70°	1666.4	1811.6	1947.6	2082.0	2218.5	2343.1	2455.5	2555.3	2642.3	2716.3	2777.1
-72.5°	1128.3	1224.9	1321.9	1431.8	1533.0	1625.3	1708.5	1782.4	1846.8	1901.5	1946.5
-75°	693.2	758.2	835.3	906.9	972.8	1032.9	1087.1	1135.1	1177.0	1212.6	1241.9
-77.5°	375.5	423.4	468.1	509.6	547.9	582.7	614.1	641.9	666.1	686.8	703.7
-80°	178.9	200.7	221.1	240.0	257.5	273.3	287.6	300.3	311.4	320.7	328.4
-82.5°	74.1	80.0	85.5	90.6	95.3	99.6	103.4	106.8	109.8	112.3	114.4
-85°	32.6	33.2	33.8	34.3	34.8	35.3	35.7	36.1	36.4	36.7	36.9
-87.5°	19.8	20.4	21.0	21.5	21.9	22.4	22.7	23.1	23.4	23.6	23.8
-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: P1212193 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-70-7F-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°	24.0	24.1	24.2	24.2	24.2	24.1	24.0	23.8	23.6	23.4	23.1
85°	37.1	37.2	37.3	37.3	37.3	37.2	37.1	36.9	36.7	36.4	36.1
82.5°	116.0	117.2	117.9	118.1	117.9	117.2	116.0	114.4	112.3	109.8	106.8
80°	334.5	338.8	341.3	342.2	341.3	338.8	334.5	328.4	320.7	311.4	300.3
77.5°	716.9	726.3	732.0	733.9	732.0	726.3	716.9	703.7	686.8	666.1	641.9
75°	1264.7	1281.0	1290.8	1294.1	1290.8	1281.0	1264.7	1241.9	1212.6	1177.0	1135.1
72.5°	1981.6	2006.8	2021.9	2026.9	2021.9	2006.8	1981.6	1946.5	1901.5	1846.8	1782.4
70°	2824.6	2858.6	2879.1	2885.9	2879.1	2858.6	2824.6	2777.1	2716.3	2642.3	2555.3
67.5°	3811.6	3857.0	3884.3	3893.4	3884.3	3857.0	3811.6	3748.3	3667.1	3568.4	3452.5
65°	4903.2	4959.5	4993.4	5004.7	4993.4	4959.5	4903.2	4824.6	4723.9	4601.5	4457.7
62.5°	6168.7	6242.0	6286.1	6300.8	6286.1	6242.0	6168.7	6066.4	5935.4	5776.3	5589.5
60°	7649.2	7744.5	7801.9	7821.0	7801.9	7744.5	7649.2	7516.2	7346.0	7139.4	6897.0
57.5°	9471.5	9601.9	9680.4	9706.6	9680.4	9601.9	9471.5	9289.6	9057.1	8774.8	8444.0
55°	11645.8	11816.5	11919.3	11953.6	11919.3	11816.5	11645.8	11407.8	11103.7	10734.9	10302.9
52.5°	14256.3	14481.8	14617.6	14662.9	14617.6	14481.8	14256.3	13942.3	13541.2	13055.2	12486.5
50°	17345.5	17637.4	17813.2	17871.9	17813.2	17637.4	17345.5	16939.3	16421.0	15793.5	15060.1
47.5°	21019.4	21399.8	21629.1	21705.7	21629.1	21399.8	21019.4	20490.2	19815.7	19000.0	18048.0
45°	25414.8	25913.5	26214.2	26314.7	26214.2	25913.5	25414.8	24721.9	23839.6	22774.1	21561.6
42.5°	30364.3	30971.1	31337.3	31459.7	31337.3	30971.1	30364.3	29522.0	28451.0	27159.6	25725.8
40°	35885.6	36627.0	37074.8	37224.6	37074.8	36627.0	35885.6	34857.6	33552.6	31982.0	30298.7
37.5°	42136.3	43060.4	43619.1	43806.0	43619.1	43060.4	42136.3	40857.0	39236.0	37289.4	35307.0
35°	49011.7	50118.2	50788.0	51012.3	50788.0	50118.2	49011.7	47482.5	45549.3	43283.6	40842.2
32.5°	56543.7	57882.8	58694.6	58966.6	58694.6	57882.8	56543.7	54697.4	52369.6	49724.2	46827.4
30°	64645.0	66227.0	67188.0	67510.3	67188.0	66227.0	64645.0	62469.7	59736.4	56656.9	53189.3
27.5°	73354.5	75254.5	76411.5	76800.1	76411.5	75254.5	73354.5	70750.9	67494.5	63948.2	59905.2
25°	82428.9	84604.9	85934.3	86381.5	85934.3	84604.9	82428.9	79460.1	75796.6	71580.9	66860.4
22.5°	91644.2	94128.2	95652.1	96165.9	95652.1	94128.2	91644.2	88274.8	84156.9	79392.0	74116.1
20°	100704.5	103423.4	105101.1	105668.6	105101.1	103423.4	100704.5	97044.9	92453.7	87108.6	81257.7
17.5°	109445.5	112500.1	114400.5	115046.2	114400.5	112500.1	109445.5	105373.2	100379.5	94620.2	88130.3
15°	117727.2	121003.9	123066.9	123772.7	123066.9	121003.9	117727.2	113306.2	107794.4	101523.2	94620.2
12.5°	125238.1	128702.8	130800.7	131484.2	130800.7	128702.8	125238.1	120429.0	114645.0	107794.4	100379.5
10°	131548.6	135135.8	137287.4	138029.8	137287.4	135135.8	131548.6	126662.1	120429.0	113306.2	105373.2
7.5°	136588.6	140290.5	142479.5	143222.3	142479.5	140290.5	136588.6	131548.6	125238.1	117727.2	109445.5
5°	140290.5	144020.2	146304.1	147060.1	146304.1	144020.2	140290.5	135135.8	128702.8	121003.9	112500.1
2.5°	142479.5	146304.1	148581.5	149346.9	148581.5	146304.1	142479.5	137287.4	130800.7	123066.9	114400.5
0°	143222.3	147060.1	149346.9	150148.9	149346.9	147060.1	143222.3	138029.8	131484.2	123772.7	115046.2
-2.5°	142479.5	146304.1	148581.5	149346.9	148581.5	146304.1	142479.5	137287.4	130800.7	123066.9	114400.5
-5°	140290.5	144020.2	146304.1	147060.1	146304.1	144020.2	140290.5	135135.8	128702.8	121003.9	112500.1
-7.5°	136588.6	140290.5	142479.5	143222.3	142479.5	140290.5	136588.6	131548.6	125238.1	117727.2	109445.5
-10°	131548.6	135135.8	137287.4	138029.8	137287.4	135135.8	131548.6	126662.1	120429.0	113306.2	105373.2
-12.5°	125238.1	128702.8	130800.7	131484.2	130800.7	128702.8	125238.1	120429.0	114645.0	107794.4	100379.5
-15°	117727.2	121003.9	123066.9	123772.7	123066.9	121003.9	117727.2	113306.2	107794.4	101523.2	94620.2
-17.5°	109445.5	112500.1	114400.5	115046.2	114400.5	112500.1	109445.5	105373.2	100379.5	94620.2	88130.3
-20°	100704.5	103423.4	105101.1	105668.6	105101.1	103423.4	100704.5	97044.9	92453.7	87108.6	81257.7



REPORT NUMBER: P1212193 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-70-7F-HEG

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	91644.2	94128.2	95652.1	96165.9	95652.1	94128.2	91644.2	88274.8	84156.9	79392.0	74116.1
-25°	82428.9	84604.9	85934.3	86381.5	85934.3	84604.9	82428.9	79460.1	75796.6	71580.9	66860.4
-27.5°	73354.5	75254.5	76411.5	76800.1	76411.5	75254.5	73354.5	70750.9	67494.5	63948.2	59905.2
-30°	64645.0	66227.0	67188.0	67510.3	67188.0	66227.0	64645.0	62469.7	59736.4	56656.9	53189.3
-32.5°	56543.7	57882.8	58694.6	58966.6	58694.6	57882.8	56543.7	54697.4	52369.6	49724.2	46827.4
-35°	49011.7	50118.2	50788.0	51012.3	50788.0	50118.2	49011.7	47482.5	45549.3	43283.6	40842.2
-37.5°	42136.3	43060.4	43619.1	43806.0	43619.1	43060.4	42136.3	40857.0	39236.0	37289.4	35307.0
-40°	35885.6	36627.0	37074.8	37224.6	37074.8	36627.0	35885.6	34857.6	33552.6	31982.0	30298.7
-42.5°	30364.3	30971.1	31337.3	31459.7	31337.3	30971.1	30364.3	29522.0	28451.0	27159.6	25725.8
-45°	25414.8	25913.5	26214.2	26314.7	26214.2	25913.5	25414.8	24721.9	23839.6	22774.1	21561.6
-47.5°	21019.4	21399.8	21629.1	21705.7	21629.1	21399.8	21019.4	20490.2	19815.7	19000.0	18048.0
-50°	17345.5	17637.4	17813.2	17871.9	17813.2	17637.4	17345.5	16939.3	16421.0	15793.5	15060.1
-52.5°	14256.3	14481.8	14617.6	14662.9	14617.6	14481.8	14256.3	13942.3	13541.2	13055.2	12486.5
-55°	11645.8	11816.5	11919.3	11953.6	11919.3	11816.5	11645.8	11407.8	11103.7	10734.9	10302.9
-57.5°	9471.5	9601.9	9680.4	9706.6	9680.4	9601.9	9471.5	9289.6	9057.1	8774.8	8444.0
-60°	7649.2	7744.5	7801.9	7821.0	7801.9	7744.5	7649.2	7516.2	7346.0	7139.4	6897.0
-62.5°	6168.7	6242.0	6286.1	6300.8	6286.1	6242.0	6168.7	6066.4	5935.4	5776.3	5589.5
-65°	4903.2	4959.5	4993.4	5004.7	4993.4	4959.5	4903.2	4824.6	4723.9	4601.5	4457.7
-67.5°	3811.6	3857.0	3884.3	3893.4	3884.3	3857.0	3811.6	3748.3	3667.1	3568.4	3452.5
-70°	2824.6	2858.6	2879.1	2885.9	2879.1	2858.6	2824.6	2777.1	2716.3	2642.3	2555.3
-72.5°	1981.6	2006.8	2021.9	2026.9	2021.9	2006.8	1981.6	1946.5	1901.5	1846.8	1782.4
-75°	1264.7	1281.0	1290.8	1294.1	1290.8	1281.0	1264.7	1241.9	1212.6	1177.0	1135.1
-77.5°	716.9	726.3	732.0	733.9	732.0	726.3	716.9	703.7	686.8	666.1	641.9
-80°	334.5	338.8	341.3	342.2	341.3	338.8	334.5	328.4	320.7	311.4	300.3
-82.5°	116.0	117.2	117.9	118.1	117.9	117.2	116.0	114.4	112.3	109.8	106.8
-85°	37.1	37.2	37.3	37.3	37.3	37.2	37.1	36.9	36.7	36.4	36.1
-87.5°	24.0	24.1	24.2	24.2	24.2	24.1	24.0	23.8	23.6	23.4	23.1
-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: P1212193 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-100R-57-70-7F-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°	22.7	22.4	21.9	21.5	21.0	20.4	19.8	19.2	18.5	17.8	17.1
85°	35.7	35.3	34.8	34.3	33.8	33.2	32.6	31.9	31.2	30.4	29.6
82.5°	103.4	99.6	95.3	90.6	85.5	80.0	74.1	67.8	61.2	54.2	46.9
80°	287.6	273.3	257.5	240.0	221.1	200.7	178.9	155.6	131.0	113.4	103.7
77.5°	614.1	582.7	547.9	509.6	468.1	423.4	375.5	332.1	301.3	268.9	234.9
75°	1087.1	1032.9	972.8	906.9	835.3	758.2	693.2	631.9	567.1	499.0	427.6
72.5°	1708.5	1625.3	1533.0	1431.8	1321.9	1224.9	1128.3	1025.6	917.2	803.2	698.9
70°	2455.5	2343.1	2218.5	2082.0	1947.6	1811.6	1666.4	1512.2	1349.5	1205.7	1069.0
67.5°	3319.5	3169.9	3004.2	2832.0	2664.1	2483.7	2291.1	2086.7	1894.1	1701.0	1499.2
65°	4293.0	4107.8	3902.7	3698.4	3477.9	3241.1	2988.4	2745.0	2504.3	2251.9	1994.0
62.5°	5375.6	5135.3	4888.7	4639.4	4369.5	4079.8	3782.5	3486.1	3174.1	2852.7	2561.8
60°	6619.6	6308.3	6013.7	5693.1	5346.3	4978.8	4639.4	4280.4	3902.7	3543.5	3169.9
57.5°	8065.7	7676.3	7298.6	6886.4	6441.0	6013.7	5581.3	5124.4	4695.8	4265.5	3824.6
55°	9809.6	9329.3	8817.6	8259.8	7689.7	7170.7	6619.6	6076.9	5556.7	5013.4	4527.9
52.5°	11857.6	11255.7	10592.3	9870.3	9191.2	8493.9	7767.4	7139.4	6481.3	5869.7	5262.2
50°	14292.9	13504.7	12637.5	11739.1	10898.3	10001.6	9157.5	8319.6	7516.2	6780.3	6059.2
47.5°	17112.8	16101.6	14990.8	13922.3	12829.8	11715.8	10696.5	9639.1	8701.1	7744.5	6930.9
45°	20388.6	19082.6	17686.7	16388.9	14998.2	13698.6	12383.0	11166.2	9974.2	8893.4	7821.0
42.5°	24200.6	22505.8	20829.0	19162.9	17461.3	15880.6	14286.6	12817.8	11403.1	10090.9	8893.4
40°	28458.7	26419.1	24414.4	22265.8	20265.4	18249.7	16416.8	14583.3	12963.6	11403.1	9974.2
37.5°	33080.3	30709.3	28318.8	25808.9	23361.5	20936.2	18688.2	16596.7	14583.3	12817.8	11166.2
35°	38097.4	35340.0	32466.5	29611.3	26698.8	23915.6	21161.4	18688.2	16416.8	14286.6	12383.0
32.5°	43601.9	40348.6	36881.4	33594.6	30265.7	27017.6	23915.6	20936.2	18249.7	15880.6	13698.6
30°	49480.7	45650.7	41726.5	37725.3	33974.1	30265.7	26698.8	23361.5	20265.4	17461.3	14998.2
27.5°	55663.3	51120.1	46701.8	42190.6	37725.3	33594.6	29611.3	25808.9	22265.8	19162.9	16388.9
25°	62013.9	56924.3	51726.8	46701.8	41726.5	36881.4	32466.5	28318.8	24414.4	20829.0	17686.7
22.5°	68423.8	62726.8	56924.3	51120.1	45650.7	40348.6	35340.0	30709.3	26419.1	22505.8	19082.6
20°	74976.0	68423.8	62013.9	55663.3	49480.7	43601.9	38097.4	33080.3	28458.7	24200.6	20388.6
17.5°	81257.7	74116.1	66860.4	59905.2	53189.3	46827.4	40842.2	35307.0	30298.7	25725.8	21561.6
15°	87108.6	79392.0	71580.9	63948.2	56656.9	49724.2	43283.6	37289.4	31982.0	27159.6	22774.1
12.5°	92453.7	84156.9	75796.6	67494.5	59736.4	52369.6	45549.3	39236.0	33552.6	28451.0	23839.6
10°	97044.9	88274.8	79460.1	70750.9	62469.7	54697.4	47482.5	40857.0	34857.6	29522.0	24721.9
7.5°	100704.5	91644.2	82428.9	73354.5	64645.0	56543.7	49011.7	42136.3	35885.6	30364.3	25414.8
5°	103423.4	94128.2	84604.9	75254.5	66227.0	57882.8	50118.2	43060.4	36627.0	30971.1	25913.5
2.5°	105101.1	95652.1	85934.3	76411.5	67188.0	58694.6	50788.0	43619.1	37074.8	31337.3	26214.2
0°	105668.6	96165.9	86381.5	76800.1	67510.3	58966.6	51012.3	43806.0	37224.6	31459.7	26314.7
-2.5°	105101.1	95652.1	85934.3	76411.5	67188.0	58694.6	50788.0	43619.1	37074.8	31337.3	26214.2
-5°	103423.4	94128.2	84604.9	75254.5	66227.0	57882.8	50118.2	43060.4	36627.0	30971.1	25913.5
-7.5°	100704.5	91644.2	82428.9	73354.5	64645.0	56543.7	49011.7	42136.3	35885.6	30364.3	25414.8
-10°	97044.9	88274.8	79460.1	70750.9	62469.7	54697.4	47482.5	40857.0	34857.6	29522.0	24721.9
-12.5°	92453.7	84156.9	75796.6	67494.5	59736.4	52369.6	45549.3	39236.0	33552.6	28451.0	23839.6
-15°	87108.6	79392.0	71580.9	63948.2	56656.9	49724.2	43283.6	37289.4	31982.0	27159.6	22774.1
-17.5°	81257.7	74116.1	66860.4	59905.2	53189.3	46827.4	40842.2	35307.0	30298.7	25725.8	21561.6
-20°	74976.0	68423.8	62013.9	55663.3	49480.7	43601.9	38097.4	33080.3	28458.7	24200.6	20388.6



REPORT NUMBER: P1212193 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-70-7F-HEG

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	68423.8	62726.8	56924.3	51120.1	45650.7	40348.6	35340.0	30709.3	26419.1	22505.8	19082.6
-25°	62013.9	56924.3	51726.8	46701.8	41726.5	36881.4	32466.5	28318.8	24414.4	20829.0	17686.7
-27.5°	55663.3	51120.1	46701.8	42190.6	37725.3	33594.6	29611.3	25808.9	22265.8	19162.9	16388.9
-30°	49480.7	45650.7	41726.5	37725.3	33974.1	30265.7	26698.8	23361.5	20265.4	17461.3	14998.2
-32.5°	43601.9	40348.6	36881.4	33594.6	30265.7	27017.6	23915.6	20936.2	18249.7	15880.6	13698.6
-35°	38097.4	35340.0	32466.5	29611.3	26698.8	23915.6	21161.4	18688.2	16416.8	14286.6	12383.0
-37.5°	33080.3	30709.3	28318.8	25808.9	23361.5	20936.2	18688.2	16596.7	14583.3	12817.8	11166.2
-40°	28458.7	26419.1	24414.4	22265.8	20265.4	18249.7	16416.8	14583.3	12963.6	11403.1	9974.2
-42.5°	24200.6	22505.8	20829.0	19162.9	17461.3	15880.6	14286.6	12817.8	11403.1	10090.9	8893.4
-45°	20388.6	19082.6	17686.7	16388.9	14998.2	13698.6	12383.0	11166.2	9974.2	8893.4	7821.0
-47.5°	17112.8	16101.6	14990.8	13922.3	12829.8	11715.8	10696.5	9639.1	8701.1	7744.5	6930.9
-50°	14292.9	13504.7	12637.5	11739.1	10898.3	10001.6	9157.5	8319.6	7516.2	6780.3	6059.2
-52.5°	11857.6	11255.7	10592.3	9870.3	9191.2	8493.9	7767.4	7139.4	6481.3	5869.7	5262.2
-55°	9809.6	9329.3	8817.6	8259.8	7689.7	7170.7	6619.6	6076.9	5556.7	5013.4	4527.9
-57.5°	8065.7	7676.3	7298.6	6886.4	6441.0	6013.7	5581.3	5124.4	4695.8	4265.5	3824.6
-60°	6619.6	6308.3	6013.7	5693.1	5346.3	4978.8	4639.4	4280.4	3902.7	3543.5	3169.9
-62.5°	5375.6	5135.3	4888.7	4639.4	4369.5	4079.8	3782.5	3486.1	3174.1	2852.7	2561.8
-65°	4293.0	4107.8	3902.7	3698.4	3477.9	3241.1	2988.4	2745.0	2504.3	2251.9	1994.0
-67.5°	3319.5	3169.9	3004.2	2832.0	2664.1	2483.7	2291.1	2086.7	1894.1	1701.0	1499.2
-70°	2455.5	2343.1	2218.5	2082.0	1947.6	1811.6	1666.4	1512.2	1349.5	1205.7	1069.0
-72.5°	1708.5	1625.3	1533.0	1431.8	1321.9	1224.9	1128.3	1025.6	917.2	803.2	698.9
-75°	1087.1	1032.9	972.8	906.9	835.3	758.2	693.2	631.9	567.1	499.0	427.6
-77.5°	614.1	582.7	547.9	509.6	468.1	423.4	375.5	332.1	301.3	268.9	234.9
-80°	287.6	273.3	257.5	240.0	221.1	200.7	178.9	155.6	131.0	113.4	103.7
-82.5°	103.4	99.6	95.3	90.6	85.5	80.0	74.1	67.8	61.2	54.2	46.9
-85°	35.7	35.3	34.8	34.3	33.8	33.2	32.6	31.9	31.2	30.4	29.6
-87.5°	22.7	22.4	21.9	21.5	21.0	20.4	19.8	19.2	18.5	17.8	17.1
-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: P1212193 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-70-7F-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°	16.3	15.6	14.7	13.9	13.0	12.1	11.2	10.2	9.3	8.3	7.3
85°	28.8	27.9	27.0	26.1	25.2	24.2	22.3	20.4	18.5	16.5	14.5
82.5°	39.2	36.3	35.0	33.6	32.2	30.7	29.2	27.7	26.1	24.5	21.8
80°	93.4	82.8	71.8	60.4	48.7	37.2	35.2	33.2	31.1	28.9	26.8
77.5°	199.5	162.7	124.5	106.2	91.5	76.5	61.1	45.3	36.0	33.3	30.7
75°	353.2	304.2	258.4	211.1	162.4	116.0	97.5	78.7	59.4	39.8	34.5
72.5°	611.9	521.6	428.1	336.1	279.3	221.0	161.2	111.7	89.3	66.5	43.4
70°	926.6	778.7	658.3	548.0	434.5	328.4	260.3	190.8	120.0	92.8	66.5
67.5°	1290.4	1123.8	951.6	774.1	634.5	503.8	370.1	280.1	200.7	120.0	89.3
65°	1760.1	1517.7	1273.6	1076.4	873.9	686.8	538.5	387.4	280.1	190.8	111.7
62.5°	2259.5	1958.3	1682.6	1399.0	1151.8	924.0	704.2	538.5	370.1	260.3	161.2
60°	2797.5	2455.5	2102.8	1782.4	1465.3	1177.0	924.0	686.8	503.8	328.4	221.0
57.5°	3403.4	2968.3	2573.9	2181.4	1815.7	1465.3	1151.8	873.9	634.5	434.5	279.3
55°	4026.4	3544.7	3061.9	2613.6	2181.4	1782.4	1399.0	1076.4	774.1	548.0	336.1
52.5°	4686.8	4131.5	3592.0	3061.9	2573.9	2102.8	1682.6	1273.6	951.6	658.3	428.1
50°	5387.5	4740.0	4131.5	3544.7	2968.3	2455.5	1958.3	1517.7	1123.8	778.7	521.6
47.5°	6122.7	5387.5	4686.8	4026.4	3403.4	2797.5	2259.5	1760.1	1290.4	926.6	611.9
45°	6930.9	6059.2	5262.2	4527.9	3824.6	3169.9	2561.8	1994.0	1499.2	1069.0	698.9
42.5°	7744.5	6780.3	5869.7	5013.4	4265.5	3543.5	2852.7	2251.9	1701.0	1205.7	803.2
40°	8701.1	7516.2	6481.3	5556.7	4695.8	3902.7	3174.1	2504.3	1894.1	1349.5	917.2
37.5°	9639.1	8319.6	7139.4	6076.9	5124.4	4280.4	3486.1	2745.0	2086.7	1512.2	1025.6
35°	10696.5	9157.5	7767.4	6619.6	5581.3	4639.4	3782.5	2988.4	2291.1	1666.4	1128.3
32.5°	11715.8	10001.6	8493.9	7170.7	6013.7	4978.8	4079.8	3241.1	2483.7	1811.6	1224.9
30°	12829.8	10898.3	9191.2	7689.7	6441.0	5346.3	4369.5	3477.9	2664.1	1947.6	1321.9
27.5°	13922.3	11739.1	9870.3	8259.8	6886.4	5693.1	4639.4	3698.4	2832.0	2082.0	1431.8
25°	14990.8	12637.5	10592.3	8817.6	7298.6	6013.7	4888.7	3902.7	3004.2	2218.5	1533.0
22.5°	16101.6	13504.7	11255.7	9329.3	7676.3	6308.3	5135.3	4107.8	3169.9	2343.1	1625.3
20°	17112.8	14292.9	11857.6	9809.6	8065.7	6619.6	5375.6	4293.0	3319.5	2455.5	1708.5
17.5°	18048.0	15060.1	12486.5	10302.9	8444.0	6897.0	5589.5	4457.7	3452.5	2555.3	1782.4
15°	19000.0	15793.5	13055.2	10734.9	8774.8	7139.4	5776.3	4601.5	3568.4	2642.3	1846.8
12.5°	19815.7	16421.0	13541.2	11103.7	9057.1	7346.0	5935.4	4723.9	3667.1	2716.3	1901.5
10°	20490.2	16939.3	13942.3	11407.8	9289.6	7516.2	6066.4	4824.6	3748.3	2777.1	1946.5
7.5°	21019.4	17345.5	14256.3	11645.8	9471.5	7649.2	6168.7	4903.2	3811.6	2824.6	1981.6
5°	21399.8	17637.4	14481.8	11816.5	9601.9	7744.5	6242.0	4959.5	3857.0	2858.6	2006.8
2.5°	21629.1	17813.2	14617.6	11919.3	9680.4	7801.9	6286.1	4993.4	3884.3	2879.1	2021.9
0°	21705.7	17871.9	14662.9	11953.6	9706.6	7821.0	6300.8	5004.7	3893.4	2885.9	2026.9
-2.5°	21629.1	17813.2	14617.6	11919.3	9680.4	7801.9	6286.1	4993.4	3884.3	2879.1	2021.9
-5°	21399.8	17637.4	14481.8	11816.5	9601.9	7744.5	6242.0	4959.5	3857.0	2858.6	2006.8
-7.5°	21019.4	17345.5	14256.3	11645.8	9471.5	7649.2	6168.7	4903.2	3811.6	2824.6	1981.6
-10°	20490.2	16939.3	13942.3	11407.8	9289.6	7516.2	6066.4	4824.6	3748.3	2777.1	1946.5
-12.5°	19815.7	16421.0	13541.2	11103.7	9057.1	7346.0	5935.4	4723.9	3667.1	2716.3	1901.5
-15°	19000.0	15793.5	13055.2	10734.9	8774.8	7139.4	5776.3	4601.5	3568.4	2642.3	1846.8
-17.5°	18048.0	15060.1	12486.5	10302.9	8444.0	6897.0	5589.5	4457.7	3452.5	2555.3	1782.4
-20°	17112.8	14292.9	11857.6	9809.6	8065.7	6619.6	5375.6	4293.0	3319.5	2455.5	1708.5



REPORT NUMBER: P1212193 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-70-7F-HEG

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	16101.6	13504.7	11255.7	9329.3	7676.3	6308.3	5135.3	4107.8	3169.9	2343.1	1625.3
-25°	14990.8	12637.5	10592.3	8817.6	7298.6	6013.7	4888.7	3902.7	3004.2	2218.5	1533.0
-27.5°	13922.3	11739.1	9870.3	8259.8	6886.4	5693.1	4639.4	3698.4	2832.0	2082.0	1431.8
-30°	12829.8	10898.3	9191.2	7689.7	6441.0	5346.3	4369.5	3477.9	2664.1	1947.6	1321.9
-32.5°	11715.8	10001.6	8493.9	7170.7	6013.7	4978.8	4079.8	3241.1	2483.7	1811.6	1224.9
-35°	10696.5	9157.5	7767.4	6619.6	5581.3	4639.4	3782.5	2988.4	2291.1	1666.4	1128.3
-37.5°	9639.1	8319.6	7139.4	6076.9	5124.4	4280.4	3486.1	2745.0	2086.7	1512.2	1025.6
-40°	8701.1	7516.2	6481.3	5556.7	4695.8	3902.7	3174.1	2504.3	1894.1	1349.5	917.2
-42.5°	7744.5	6780.3	5869.7	5013.4	4265.5	3543.5	2852.7	2251.9	1701.0	1205.7	803.2
-45°	6930.9	6059.2	5262.2	4527.9	3824.6	3169.9	2561.8	1994.0	1499.2	1069.0	698.9
-47.5°	6122.7	5387.5	4686.8	4026.4	3403.4	2797.5	2259.5	1760.1	1290.4	926.6	611.9
-50°	5387.5	4740.0	4131.5	3544.7	2968.3	2455.5	1958.3	1517.7	1123.8	778.7	521.6
-52.5°	4686.8	4131.5	3592.0	3061.9	2573.9	2102.8	1682.6	1273.6	951.6	658.3	428.1
-55°	4026.4	3544.7	3061.9	2613.6	2181.4	1782.4	1399.0	1076.4	774.1	548.0	336.1
-57.5°	3403.4	2968.3	2573.9	2181.4	1815.7	1465.3	1151.8	873.9	634.5	434.5	279.3
-60°	2797.5	2455.5	2102.8	1782.4	1465.3	1177.0	924.0	686.8	503.8	328.4	221.0
-62.5°	2259.5	1958.3	1682.6	1399.0	1151.8	924.0	704.2	538.5	370.1	260.3	161.2
-65°	1760.1	1517.7	1273.6	1076.4	873.9	686.8	538.5	387.4	280.1	190.8	111.7
-67.5°	1290.4	1123.8	951.6	774.1	634.5	503.8	370.1	280.1	200.7	120.0	89.3
-70°	926.6	778.7	658.3	548.0	434.5	328.4	260.3	190.8	120.0	92.8	66.5
-72.5°	611.9	521.6	428.1	336.1	279.3	221.0	161.2	111.7	89.3	66.5	43.4
-75°	353.2	304.2	258.4	211.1	162.4	116.0	97.5	78.7	59.4	39.8	34.5
-77.5°	199.5	162.7	124.5	106.2	91.5	76.5	61.1	45.3	36.0	33.3	30.7
-80°	93.4	82.8	71.8	60.4	48.7	37.2	35.2	33.2	31.1	28.9	26.8
-82.5°	39.2	36.3	35.0	33.6	32.2	30.7	29.2	27.7	26.1	24.5	21.8
-85°	28.8	27.9	27.0	26.1	25.2	24.2	22.3	20.4	18.5	16.5	14.5
-87.5°	16.3	15.6	14.7	13.9	13.0	12.1	11.2	10.2	9.3	8.3	7.3
-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: P1212193 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-57-70-7F-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°	6.3	5.2	4.2	3.2	2.1	1.1	0.0
85°	12.5	10.5	8.4	6.3	4.2	2.1	0.0
82.5°	18.7	15.7	12.6	9.4	6.3	3.2	0.0
80°	24.6	20.9	16.7	12.6	8.4	4.2	0.0
77.5°	27.9	25.2	20.9	15.7	10.5	5.2	0.0
75°	31.2	27.9	24.6	18.7	12.5	6.3	0.0
72.5°	34.5	30.7	26.8	21.8	14.5	7.3	0.0
70°	39.8	33.3	28.9	24.5	16.5	8.3	0.0
67.5°	59.4	36.0	31.1	26.1	18.5	9.3	0.0
65°	78.7	45.3	33.2	27.7	20.4	10.2	0.0
62.5°	97.5	61.1	35.2	29.2	22.3	11.2	0.0
60°	116.0	76.5	37.2	30.7	24.2	12.1	0.0
57.5°	162.4	91.5	48.7	32.2	25.2	13.0	0.0
55°	211.1	106.2	60.4	33.6	26.1	13.9	0.0
52.5°	258.4	124.5	71.8	35.0	27.0	14.7	0.0
50°	304.2	162.7	82.8	36.3	27.9	15.6	0.0
47.5°	353.2	199.5	93.4	39.2	28.8	16.3	0.0
45°	427.6	234.9	103.7	46.9	29.6	17.1	0.0
42.5°	499.0	268.9	113.4	54.2	30.4	17.8	0.0
40°	567.1	301.3	131.0	61.2	31.2	18.5	0.0
37.5°	631.9	332.1	155.6	67.8	31.9	19.2	0.0
35°	693.2	375.5	178.9	74.1	32.6	19.8	0.0
32.5°	758.2	423.4	200.7	80.0	33.2	20.4	0.0
30°	835.3	468.1	221.1	85.5	33.8	21.0	0.0
27.5°	906.9	509.6	240.0	90.6	34.3	21.5	0.0
25°	972.8	547.9	257.5	95.3	34.8	21.9	0.0
22.5°	1032.9	582.7	273.3	99.6	35.3	22.4	0.0
20°	1087.1	614.1	287.6	103.4	35.7	22.7	0.0
17.5°	1135.1	641.9	300.3	106.8	36.1	23.1	0.0
15°	1177.0	666.1	311.4	109.8	36.4	23.4	0.0
12.5°	1212.6	686.8	320.7	112.3	36.7	23.6	0.0
10°	1241.9	703.7	328.4	114.4	36.9	23.8	0.0
7.5°	1264.7	716.9	334.5	116.0	37.1	24.0	0.0
5°	1281.0	726.3	338.8	117.2	37.2	24.1	0.0
2.5°	1290.8	732.0	341.3	117.9	37.3	24.2	0.0
0°	1294.1	733.9	342.2	118.1	37.3	24.2	0.0
-2.5°	1290.8	732.0	341.3	117.9	37.3	24.2	0.0
-5°	1281.0	726.3	338.8	117.2	37.2	24.1	0.0
-7.5°	1264.7	716.9	334.5	116.0	37.1	24.0	0.0
-10°	1241.9	703.7	328.4	114.4	36.9	23.8	0.0
-12.5°	1212.6	686.8	320.7	112.3	36.7	23.6	0.0
-15°	1177.0	666.1	311.4	109.8	36.4	23.4	0.0
-17.5°	1135.1	641.9	300.3	106.8	36.1	23.1	0.0
-20°	1087.1	614.1	287.6	103.4	35.7	22.7	0.0



REPORT NUMBER: P1212193 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-1000R-57-70-7F-HEG

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1032.9	582.7	273.3	99.6	35.3	22.4	0.0
-25°	972.8	547.9	257.5	95.3	34.8	21.9	0.0
-27.5°	906.9	509.6	240.0	90.6	34.3	21.5	0.0
-30°	835.3	468.1	221.1	85.5	33.8	21.0	0.0
-32.5°	758.2	423.4	200.7	80.0	33.2	20.4	0.0
-35°	693.2	375.5	178.9	74.1	32.6	19.8	0.0
-37.5°	631.9	332.1	155.6	67.8	31.9	19.2	0.0
-40°	567.1	301.3	131.0	61.2	31.2	18.5	0.0
-42.5°	499.0	268.9	113.4	54.2	30.4	17.8	0.0
-45°	427.6	234.9	103.7	46.9	29.6	17.1	0.0
-47.5°	353.2	199.5	93.4	39.2	28.8	16.3	0.0
-50°	304.2	162.7	82.8	36.3	27.9	15.6	0.0
-52.5°	258.4	124.5	71.8	35.0	27.0	14.7	0.0
-55°	211.1	106.2	60.4	33.6	26.1	13.9	0.0
-57.5°	162.4	91.5	48.7	32.2	25.2	13.0	0.0
-60°	116.0	76.5	37.2	30.7	24.2	12.1	0.0
-62.5°	97.5	61.1	35.2	29.2	22.3	11.2	0.0
-65°	78.7	45.3	33.2	27.7	20.4	10.2	0.0
-67.5°	59.4	36.0	31.1	26.1	18.5	9.3	0.0
-70°	39.8	33.3	28.9	24.5	16.5	8.3	0.0
-72.5°	34.5	30.7	26.8	21.8	14.5	7.3	0.0
-75°	31.2	27.9	24.6	18.7	12.5	6.3	0.0
-77.5°	27.9	25.2	20.9	15.7	10.5	5.2	0.0
-80°	24.6	20.9	16.7	12.6	8.4	4.2	0.0
-82.5°	18.7	15.7	12.6	9.4	6.3	3.2	0.0
-85°	12.5	10.5	8.4	6.3	4.2	2.1	0.0
-87.5°	6.3	5.2	4.2	3.2	2.1	1.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)