

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: P1212112 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-40-90-3S-HEG**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212112 (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-40-90-3S-HEG
Description: EPHESUS LS12 LUMINAIRE
(12) 4000K, 90 CRI LEDS AND 3S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

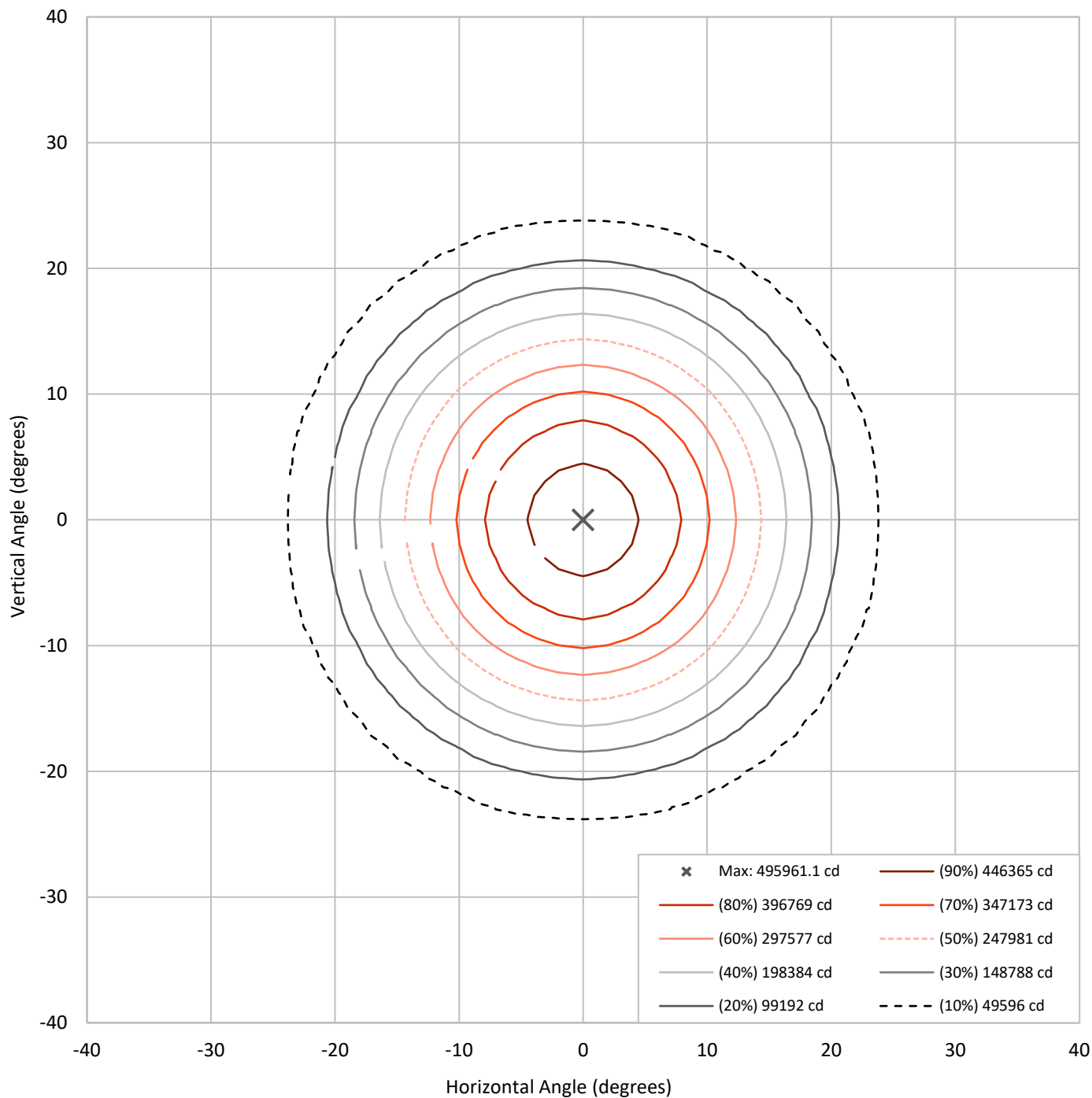
Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	138986.5 lumens	Max Intensity:	495961.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	133.5 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:	72697 lumens	Field Lumens:	112075.9 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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CATALOG NUMBER: EPH-LS12-1000R-40-90-3S-HEG

Iso-Candela Plot



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CATALOG NUMBER: EPH-LS12-1000R-40-90-3S-HEG

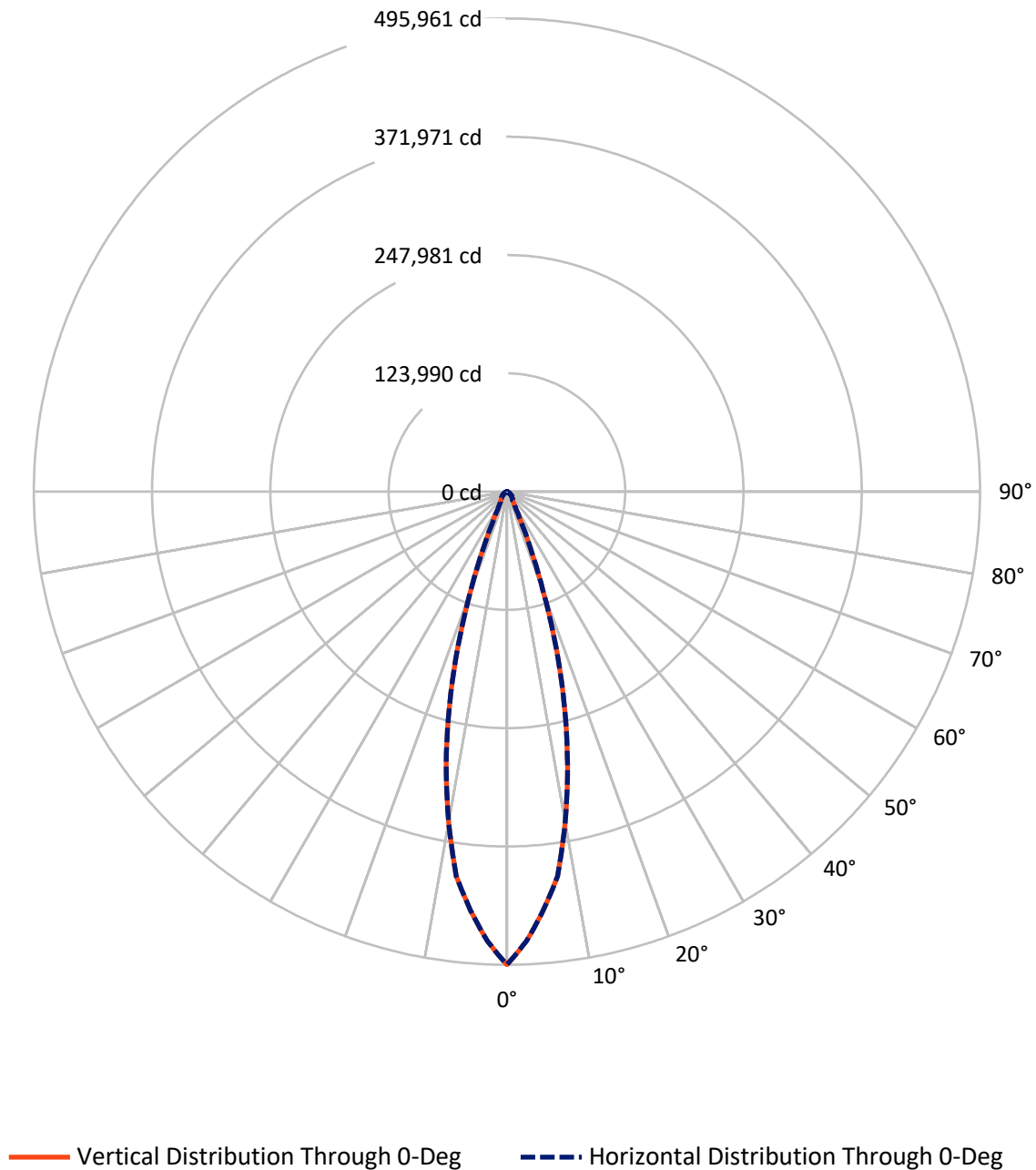
Lumen Table

90																				
80	0.1		0.6		4.0		11.6		15.5		11.6		4.0		0.6		0.1			
70	0.3		0.6	3.0	9.0	18.3	28.7	37.7	42.8	42.8	37.7	28.7	18.3	9.0	3.0	0.6	0.3			
60			2.3	10.6	26.9	49.7	77.5	102.8	117.2	117.2	102.8	77.5	49.7	26.9	10.6	2.3				
50	1.4		5.6	22.0	52.8	101.1	153.5	194.4	215.6	215.6	194.4	153.5	101.1	52.8	22.0	5.6	1.4			
40			9.8	35.2	87.6	158.2	220.1	277.4	323.5	323.5	277.4	220.1	158.2	87.6	35.2	9.8				
30	3.5		13.8	49.8	120.5	199.2	305.1	619.1	1234.9	1234.9	619.1	305.1	199.2	120.5	49.8	13.8	3.5			
20			17.1	62.0	143.1	236.0	583.9	2844.3	6269.3	6269.3	2844.3	583.9	236.0	143.1	62.0	17.1				
10	4.4		18.7	68.6	153.8	267.4	1136.6	6100.2	11887.8	11887.8	6100.2	1136.6	267.4	153.8	68.6	18.7	4.4			
0			18.7	68.6	153.8	267.4	1136.6	6100.2	11887.8	11887.8	6100.2	1136.6	267.4	153.8	68.6	18.7				
-10	3.5		17.1	62.0	143.1	236.0	583.9	2844.3	6269.3	6269.3	2844.3	583.9	236.0	143.1	62.0	17.1	3.5			
-20			13.8	49.8	120.5	199.2	305.1	619.1	1234.9	1234.9	619.1	305.1	199.2	120.5	49.8	13.8				
-30	1.4		9.8	35.2	87.6	158.2	220.1	277.4	323.5	323.5	277.4	220.1	158.2	87.6	35.2	9.8	1.4			
-40			5.6	22.0	52.8	101.1	153.5	194.4	215.6	215.6	194.4	153.5	101.1	52.8	22.0	5.6				
-50	0.3		2.3	10.6	26.9	49.7	77.5	102.8	117.2	117.2	102.8	77.5	49.7	26.9	10.6	2.3	0.3			
-60			0.6	3.0	9.0	18.3	28.7	37.7	42.8	42.8	37.7	28.7	18.3	9.0	3.0	0.6				
-70																				
-80	0.1		0.6		4.0		11.6		15.5		11.6		4.0		0.6		0.1			
-90																				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	
	Horizontal Angle (degrees)																			

REPORT NUMBER: P1212112 (CONVERTED FROM TYPE C PHOTOMETRY)

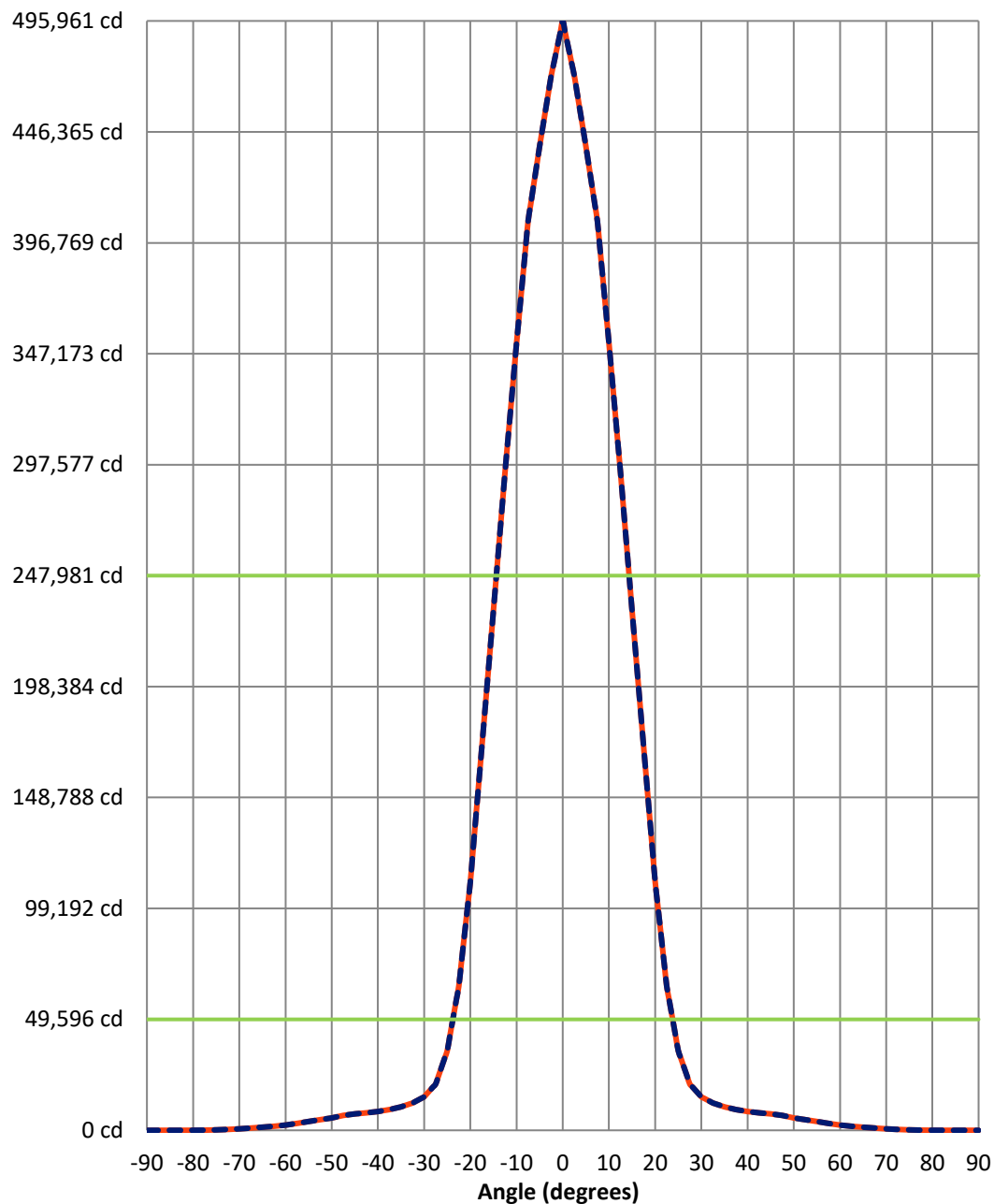
CATALOG NUMBER: EPH-LS12-1000R-40-90-3S-HEG

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 28.7°
V Angle: 28.7°
Lumens: 72697
Efficiency: 52.3%

Field:
H Angle: 47.6°
V Angle: 47.6°
Lumens: 112075.9
Efficiency: 80.6%

Spill:
Lumens: 26910.6
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	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.1	1.3	1.4
85°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.5	2.8
82.5°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.3	3.5	3.7
80°	0.0	0.6	1.1	1.7	2.3	2.8	3.3	3.6	3.9	4.1	4.4
77.5°	0.0	0.7	1.4	2.1	2.8	3.4	3.8	4.1	4.4	4.7	5.4
75°	0.0	0.9	1.7	2.6	3.3	3.8	4.2	4.6	5.1	6.3	7.5
72.5°	0.0	1.0	2.0	3.0	3.6	4.1	4.6	5.3	6.7	8.1	9.5
70°	0.0	1.1	2.3	3.3	3.9	4.4	5.1	6.7	8.3	10.1	16.6
67.5°	0.0	1.3	2.5	3.5	4.1	4.7	6.3	8.1	10.1	17.5	24.8
65°	0.0	1.4	2.8	3.7	4.4	5.4	7.5	9.5	16.6	24.8	35.6
62.5°	0.0	1.5	3.0	3.9	4.6	6.4	8.6	13.9	23.0	33.7	52.8
60°	0.0	1.6	3.3	4.1	4.9	7.3	9.8	19.4	29.2	48.8	69.6
57.5°	0.0	1.8	3.4	4.3	5.6	8.3	14.0	24.7	41.0	63.6	105.5
55°	0.0	1.9	3.5	4.4	6.3	9.2	18.4	29.9	53.8	83.7	149.9
52.5°	0.0	2.0	3.6	4.6	7.0	10.5	22.8	40.2	66.3	122.5	193.0
50°	0.0	2.1	3.8	4.8	7.7	14.0	27.0	50.8	84.7	160.2	256.5
47.5°	0.0	2.2	3.9	5.0	8.4	17.4	31.7	61.1	117.1	196.7	320.5
45°	0.0	2.3	4.0	5.5	9.0	20.6	40.2	70.9	148.2	251.6	382.2
42.5°	0.0	2.4	4.1	5.9	9.6	23.8	48.3	90.1	178.2	304.9	460.1
40°	0.0	2.5	4.2	6.4	11.1	26.7	56.0	115.0	212.1	355.8	537.7
37.5°	0.0	2.6	4.2	6.8	13.3	29.6	63.3	138.7	255.1	409.3	611.8
35°	0.0	2.7	4.3	7.2	15.5	34.3	70.3	161.2	295.8	472.2	692.1
32.5°	0.0	2.8	4.4	7.5	17.5	39.7	80.2	182.4	334.1	531.4	783.3
30°	0.0	2.9	4.5	7.9	19.4	44.8	97.1	204.8	370.0	586.9	868.9
27.5°	0.0	2.9	4.5	8.2	21.1	49.5	112.8	233.8	407.9	638.5	948.5
25°	0.0	3.0	4.6	8.5	22.7	53.8	127.2	260.5	449.8	697.8	1022.1
22.5°	0.0	3.0	4.7	8.8	24.2	57.8	140.3	284.9	488.2	757.7	1092.9
20°	0.0	3.1	4.7	9.0	25.5	61.3	152.2	306.9	522.7	811.7	1156.8
17.5°	0.0	3.1	4.8	9.2	26.6	64.5	162.7	326.4	553.4	859.7	1213.6
15°	0.0	3.2	4.8	9.4	27.7	67.2	171.9	343.4	580.2	901.6	1263.3
12.5°	0.0	3.2	4.8	9.5	28.5	69.6	179.7	357.8	602.9	937.2	1305.5
10°	0.0	3.2	4.9	9.7	29.2	71.5	186.1	369.7	621.7	966.5	1340.2
7.5°	0.0	3.3	4.9	9.8	29.8	73.0	191.1	378.9	636.3	989.4	1367.4
5°	0.0	3.3	4.9	9.8	30.2	74.0	194.6	385.6	646.7	1005.8	1386.8
2.5°	0.0	3.3	4.9	9.9	30.4	74.7	196.8	389.6	653.0	1015.6	1398.5
0°	0.0	3.3	4.9	9.9	30.5	74.9	197.5	390.9	655.1	1018.9	1402.4
-2.5°	0.0	3.3	4.9	9.9	30.4	74.7	196.8	389.6	653.0	1015.6	1398.5
-5°	0.0	3.3	4.9	9.8	30.2	74.0	194.6	385.6	646.7	1005.8	1386.8
-7.5°	0.0	3.3	4.9	9.8	29.8	73.0	191.1	378.9	636.3	989.4	1367.4
-10°	0.0	3.2	4.9	9.7	29.2	71.5	186.1	369.7	621.7	966.5	1340.2
-12.5°	0.0	3.2	4.8	9.5	28.5	69.6	179.7	357.8	602.9	937.2	1305.5
-15°	0.0	3.2	4.8	9.4	27.7	67.2	171.9	343.4	580.2	901.6	1263.3
-17.5°	0.0	3.1	4.8	9.2	26.6	64.5	162.7	326.4	553.4	859.7	1213.6
-20°	0.0	3.1	4.7	9.0	25.5	61.3	152.2	306.9	522.7	811.7	1156.8

REPORT NUMBER: P1212112 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-1000R-40-90-3S-HEG

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	3.0	4.7	8.8	24.2	57.8	140.3	284.9	488.2	757.7	1092.9
-25°	0.0	3.0	4.6	8.5	22.7	53.8	127.2	260.5	449.8	697.8	1022.1
-27.5°	0.0	2.9	4.5	8.2	21.1	49.5	112.8	233.8	407.9	638.5	948.5
-30°	0.0	2.9	4.5	7.9	19.4	44.8	97.1	204.8	370.0	586.9	868.9
-32.5°	0.0	2.8	4.4	7.5	17.5	39.7	80.2	182.4	334.1	531.4	783.3
-35°	0.0	2.7	4.3	7.2	15.5	34.3	70.3	161.2	295.8	472.2	692.1
-37.5°	0.0	2.6	4.2	6.8	13.3	29.6	63.3	138.7	255.1	409.3	611.8
-40°	0.0	2.5	4.2	6.4	11.1	26.7	56.0	115.0	212.1	355.8	537.7
-42.5°	0.0	2.4	4.1	5.9	9.6	23.8	48.3	90.1	178.2	304.9	460.1
-45°	0.0	2.3	4.0	5.5	9.0	20.6	40.2	70.9	148.2	251.6	382.2
-47.5°	0.0	2.2	3.9	5.0	8.4	17.4	31.7	61.1	117.1	196.7	320.5
-50°	0.0	2.1	3.8	4.8	7.7	14.0	27.0	50.8	84.7	160.2	256.5
-52.5°	0.0	2.0	3.6	4.6	7.0	10.5	22.8	40.2	66.3	122.5	193.0
-55°	0.0	1.9	3.5	4.4	6.3	9.2	18.4	29.9	53.8	83.7	149.9
-57.5°	0.0	1.8	3.4	4.3	5.6	8.3	14.0	24.7	41.0	63.6	105.5
-60°	0.0	1.6	3.3	4.1	4.9	7.3	9.8	19.4	29.2	48.8	69.6
-62.5°	0.0	1.5	3.0	3.9	4.6	6.4	8.6	13.9	23.0	33.7	52.8
-65°	0.0	1.4	2.8	3.7	4.4	5.4	7.5	9.5	16.6	24.8	35.6
-67.5°	0.0	1.3	2.5	3.5	4.1	4.7	6.3	8.1	10.1	17.5	24.8
-70°	0.0	1.1	2.3	3.3	3.9	4.4	5.1	6.7	8.3	10.1	16.6
-72.5°	0.0	1.0	2.0	3.0	3.6	4.1	4.6	5.3	6.7	8.1	9.5
-75°	0.0	0.9	1.7	2.6	3.3	3.8	4.2	4.6	5.1	6.3	7.5
-77.5°	0.0	0.7	1.4	2.1	2.8	3.4	3.8	4.1	4.4	4.7	5.4
-80°	0.0	0.6	1.1	1.7	2.3	2.8	3.3	3.6	3.9	4.1	4.4
-82.5°	0.0	0.4	0.9	1.3	1.7	2.1	2.6	3.0	3.3	3.5	3.7
-85°	0.0	0.3	0.6	0.9	1.1	1.4	1.7	2.0	2.3	2.5	2.8
-87.5°	0.0	0.1	0.3	0.4	0.6	0.7	0.9	1.0	1.1	1.3	1.4
-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: P1212112 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-1000R-40-90-3S-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°	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6
85°	3.0	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.2	4.2
82.5°	3.9	4.1	4.3	4.4	4.6	4.8	5.0	5.5	5.9	6.4	6.8
80°	4.6	4.9	5.6	6.3	7.0	7.7	8.4	9.0	9.6	11.1	13.3
77.5°	6.4	7.3	8.3	9.2	10.5	14.0	17.4	20.6	23.8	26.7	29.6
75°	8.6	9.8	14.0	18.4	22.8	27.0	31.7	40.2	48.3	56.0	63.3
72.5°	13.9	19.4	24.7	29.9	40.2	50.8	61.1	70.9	90.1	115.0	138.7
70°	23.0	29.2	41.0	53.8	66.3	84.7	117.1	148.2	178.2	212.1	255.1
67.5°	33.7	48.8	63.6	83.7	122.5	160.2	196.7	251.6	304.9	355.8	409.3
65°	52.8	69.6	105.5	149.9	193.0	256.5	320.5	382.2	460.1	537.7	611.8
62.5°	71.5	116.5	166.4	225.2	300.0	372.8	462.4	555.4	644.9	759.1	871.8
60°	116.5	171.9	242.7	326.4	414.2	522.7	627.9	757.7	892.5	1022.1	1152.4
57.5°	166.4	242.7	335.2	438.4	559.2	684.8	842.0	994.1	1147.3	1295.8	1439.9
55°	225.2	326.4	438.4	571.3	718.6	893.0	1064.8	1237.9	1405.1	1575.2	1738.1
52.5°	300.0	414.2	559.2	718.6	910.1	1101.1	1292.7	1483.0	1673.2	1872.4	2106.5
50°	372.8	522.7	684.8	893.0	1101.1	1311.0	1522.2	1732.6	1978.8	2240.5	2545.6
47.5°	462.4	627.9	842.0	1064.8	1292.7	1522.2	1752.4	2032.3	2321.7	2696.2	3066.3
45°	555.4	757.7	994.1	1237.9	1483.0	1732.6	2032.3	2348.9	2772.0	3194.8	3648.9
42.5°	644.9	892.5	1147.3	1405.1	1673.2	1978.8	2321.7	2772.0	3239.3	3739.1	4204.2
40°	759.1	1022.1	1295.8	1575.2	1872.4	2240.5	2696.2	3194.8	3739.1	4247.3	4726.1
37.5°	871.8	1152.4	1439.9	1738.1	2106.5	2545.6	3066.3	3648.9	4204.2	4726.1	5220.3
35°	978.9	1276.3	1582.9	1921.6	2329.9	2876.3	3470.0	4075.7	4638.4	5176.5	5771.8
32.5°	1083.2	1393.5	1718.3	2117.6	2614.4	3205.3	3858.2	4464.6	5046.0	5642.3	6435.9
30°	1183.2	1509.4	1858.1	2302.2	2889.5	3546.8	4207.8	4831.2	5430.8	6237.7	6909.5
27.5°	1276.3	1617.9	2016.5	2522.1	3155.3	3867.1	4530.7	5169.7	5912.0	6746.5	7273.5
25°	1362.4	1718.3	2163.1	2742.1	3430.3	4150.9	4829.4	5485.6	6404.2	7066.1	7528.9
22.5°	1443.3	1810.9	2297.5	2944.0	3682.9	4407.3	5099.8	5888.3	6782.2	7358.1	7743.8
20°	1518.5	1921.6	2445.5	3132.1	3912.2	4640.2	5345.9	6274.1	7034.3	7541.5	7980.9
17.5°	1585.5	2020.2	2594.7	3320.0	4106.3	4846.3	5582.7	6620.6	7261.1	7706.9	8213.9
15°	1644.0	2106.5	2725.3	3484.6	4274.4	5024.8	5864.0	6822.1	7424.7	7865.9	8423.0
12.5°	1693.8	2180.0	2836.6	3625.1	4418.1	5177.5	6104.9	6980.6	7540.8	8030.3	8677.1
10°	1734.8	2240.5	2928.4	3740.9	4536.6	5303.7	6304.1	7111.8	7637.1	8166.8	8888.8
7.5°	1766.8	2287.8	3000.1	3831.5	4629.4	5402.6	6460.5	7214.9	7712.8	8274.4	9055.8
5°	1789.8	2321.7	3051.6	3896.6	4696.1	5473.6	6572.8	7289.0	7767.4	8352.0	9176.4
2.5°	1803.6	2342.1	3082.6	3935.7	4736.2	5516.4	6640.6	7333.8	7800.3	8398.8	9249.4
0°	1808.2	2348.9	3092.9	3948.8	4749.6	5530.7	6663.2	7348.7	7811.3	8414.5	9273.8
-2.5°	1803.6	2342.1	3082.6	3935.7	4736.2	5516.4	6640.6	7333.8	7800.3	8398.8	9249.4
-5°	1789.8	2321.7	3051.6	3896.6	4696.1	5473.6	6572.8	7289.0	7767.4	8352.0	9176.4
-7.5°	1766.8	2287.8	3000.1	3831.5	4629.4	5402.6	6460.5	7214.9	7712.8	8274.4	9055.8
-10°	1734.8	2240.5	2928.4	3740.9	4536.6	5303.7	6304.1	7111.8	7637.1	8166.8	8888.8
-12.5°	1693.8	2180.0	2836.6	3625.1	4418.1	5177.5	6104.9	6980.6	7540.8	8030.3	8677.1
-15°	1644.0	2106.5	2725.3	3484.6	4274.4	5024.8	5864.0	6822.1	7424.7	7865.9	8423.0
-17.5°	1585.5	2020.2	2594.7	3320.0	4106.3	4846.3	5582.7	6620.6	7261.1	7706.9	8213.9
-20°	1518.5	1921.6	2445.5	3132.1	3912.2	4640.2	5345.9	6274.1	7034.3	7541.5	7980.9

REPORT NUMBER: P1212112 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-1000R-40-90-3S-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1443.3	1810.9	2297.5	2944.0	3682.9	4407.3	5099.8	5888.3	6782.2	7358.1	7743.8
-25°	1362.4	1718.3	2163.1	2742.1	3430.3	4150.9	4829.4	5485.6	6404.2	7066.1	7528.9
-27.5°	1276.3	1617.9	2016.5	2522.1	3155.3	3867.1	4530.7	5169.7	5912.0	6746.5	7273.5
-30°	1183.2	1509.4	1858.1	2302.2	2889.5	3546.8	4207.8	4831.2	5430.8	6237.7	6909.5
-32.5°	1083.2	1393.5	1718.3	2117.6	2614.4	3205.3	3858.2	4464.6	5046.0	5642.3	6435.9
-35°	978.9	1276.3	1582.9	1921.6	2329.9	2876.3	3470.0	4075.7	4638.4	5176.5	5771.8
-37.5°	871.8	1152.4	1439.9	1738.1	2106.5	2545.6	3066.3	3648.9	4204.2	4726.1	5220.3
-40°	759.1	1022.1	1295.8	1575.2	1872.4	2240.5	2696.2	3194.8	3739.1	4247.3	4726.1
-42.5°	644.9	892.5	1147.3	1405.1	1673.2	1978.8	2321.7	2772.0	3239.3	3739.1	4204.2
-45°	555.4	757.7	994.1	1237.9	1483.0	1732.6	2032.3	2348.9	2772.0	3194.8	3648.9
-47.5°	462.4	627.9	842.0	1064.8	1292.7	1522.2	1752.4	2032.3	2321.7	2696.2	3066.3
-50°	372.8	522.7	684.8	893.0	1101.1	1311.0	1522.2	1732.6	1978.8	2240.5	2545.6
-52.5°	300.0	414.2	559.2	718.6	910.1	1101.1	1292.7	1483.0	1673.2	1872.4	2106.5
-55°	225.2	326.4	438.4	571.3	718.6	893.0	1064.8	1237.9	1405.1	1575.2	1738.1
-57.5°	166.4	242.7	335.2	438.4	559.2	684.8	842.0	994.1	1147.3	1295.8	1439.9
-60°	116.5	171.9	242.7	326.4	414.2	522.7	627.9	757.7	892.5	1022.1	1152.4
-62.5°	71.5	116.5	166.4	225.2	300.0	372.8	462.4	555.4	644.9	759.1	871.8
-65°	52.8	69.6	105.5	149.9	193.0	256.5	320.5	382.2	460.1	537.7	611.8
-67.5°	33.7	48.8	63.6	83.7	122.5	160.2	196.7	251.6	304.9	355.8	409.3
-70°	23.0	29.2	41.0	53.8	66.3	84.7	117.1	148.2	178.2	212.1	255.1
-72.5°	13.9	19.4	24.7	29.9	40.2	50.8	61.1	70.9	90.1	115.0	138.7
-75°	8.6	9.8	14.0	18.4	22.8	27.0	31.7	40.2	48.3	56.0	63.3
-77.5°	6.4	7.3	8.3	9.2	10.5	14.0	17.4	20.6	23.8	26.7	29.6
-80°	4.6	4.9	5.6	6.3	7.0	7.7	8.4	9.0	9.6	11.1	13.3
-82.5°	3.9	4.1	4.3	4.4	4.6	4.8	5.0	5.5	5.9	6.4	6.8
-85°	3.0	3.3	3.4	3.5	3.6	3.8	3.9	4.0	4.1	4.2	4.2
-87.5°	1.5	1.6	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6
-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: P1212112 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-1000R-40-90-3S-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°	2.7	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.2
85°	4.3	4.4	4.5	4.5	4.6	4.7	4.7	4.8	4.8	4.8	4.9
82.5°	7.2	7.5	7.9	8.2	8.5	8.8	9.0	9.2	9.4	9.5	9.7
80°	15.5	17.5	19.4	21.1	22.7	24.2	25.5	26.6	27.7	28.5	29.2
77.5°	34.3	39.7	44.8	49.5	53.8	57.8	61.3	64.5	67.2	69.6	71.5
75°	70.3	80.2	97.1	112.8	127.2	140.3	152.2	162.7	171.9	179.7	186.1
72.5°	161.2	182.4	204.8	233.8	260.5	284.9	306.9	326.4	343.4	357.8	369.7
70°	295.8	334.1	370.0	407.9	449.8	488.2	522.7	553.4	580.2	602.9	621.7
67.5°	472.2	531.4	586.9	638.5	697.8	757.7	811.7	859.7	901.6	937.2	966.5
65°	692.1	783.3	868.9	948.5	1022.1	1092.9	1156.8	1213.6	1263.3	1305.5	1340.2
62.5°	978.9	1083.2	1183.2	1276.3	1362.4	1443.3	1518.5	1585.5	1644.0	1693.8	1734.8
60°	1276.3	1393.5	1509.4	1617.9	1718.3	1810.9	1921.6	2020.2	2106.5	2180.0	2240.5
57.5°	1582.9	1718.3	1858.1	2016.5	2163.1	2297.5	2445.5	2594.7	2725.3	2836.6	2928.4
55°	1921.6	2117.6	2302.2	2522.1	2742.1	2944.0	3132.1	3320.0	3484.6	3625.1	3740.9
52.5°	2329.9	2614.4	2889.5	3155.3	3430.3	3682.9	3912.2	4106.3	4274.4	4418.1	4536.6
50°	2876.3	3205.3	3546.8	3867.1	4150.9	4407.3	4640.2	4846.3	5024.8	5177.5	5303.7
47.5°	3470.0	3858.2	4207.8	4530.7	4829.4	5099.8	5345.9	5582.7	5864.0	6104.9	6304.1
45°	4075.7	4464.6	4831.2	5169.7	5485.6	5888.3	6274.1	6620.6	6822.1	6980.6	7111.8
42.5°	4638.4	5046.0	5430.8	5912.0	6404.2	6782.2	7034.3	7261.1	7424.7	7540.8	7637.1
40°	5176.5	5642.3	6237.7	6746.5	7066.1	7358.1	7541.5	7706.9	7865.9	8030.3	8166.8
37.5°	5771.8	6435.9	6909.5	7273.5	7528.9	7743.8	7980.9	8213.9	8423.0	8677.1	8888.8
35°	6502.4	6991.9	7383.2	7645.1	7916.6	8217.3	8528.5	8886.8	9205.6	9568.3	9894.8
32.5°	6991.9	7411.9	7703.9	8034.7	8378.6	8822.4	9247.1	9784.1	10273.4	10785.8	11291.3
30°	7383.2	7703.9	8074.4	8479.9	9002.3	9585.4	10232.3	10963.8	11716.9	12466.0	13344.9
27.5°	7645.1	8034.7	8479.9	9062.9	9762.9	10514.4	11501.1	12520.3	13820.4	14960.7	16963.1
25°	7916.6	8378.6	9002.3	9762.9	10646.2	11775.0	13198.4	14756.8	17474.7	20073.0	24828.0
22.5°	8217.3	8822.4	9585.4	10514.4	11775.0	13427.6	15528.8	19037.3	24722.1	32131.9	41176.4
20°	8528.5	9247.1	10232.3	11501.1	13198.4	15528.8	19567.2	27623.4	37736.3	53503.5	68771.0
17.5°	8886.8	9784.1	10963.8	12520.3	14756.8	19037.3	27623.4	40750.0	59894.3	85148.0	109673.9
15°	9205.6	10273.4	11716.9	13820.4	17474.7	24722.1	37736.3	59894.3	90765.3	124839.9	160402.0
12.5°	9568.3	10785.8	12466.0	14960.7	20073.0	32131.9	53503.5	85148.0	124839.9	169039.3	209114.9
10°	9894.8	11291.3	13344.9	16963.1	24828.0	41176.4	68771.0	109673.9	160402.0	209114.9	255368.9
7.5°	10153.1	11692.3	14044.5	18567.9	29444.7	51115.4	86744.5	135493.0	190299.2	244049.9	294622.3
5°	10340.0	11983.1	14553.1	19738.9	32828.7	58442.8	100097.8	155201.1	213118.5	271500.7	324958.2
2.5°	10453.1	12159.4	14862.2	20452.0	34895.9	62938.1	108337.6	167462.1	227486.1	288385.0	344903.8
0°	10491.0	12218.5	14965.8	20691.5	35591.4	64453.8	111124.7	171628.0	232401.2	294085.6	351935.5
-2.5°	10453.1	12159.4	14862.2	20452.0	34895.9	62938.1	108337.6	167462.1	227486.1	288385.0	344903.8
-5°	10340.0	11983.1	14553.1	19738.9	32828.7	58442.8	100097.8	155201.1	213118.5	271500.7	324958.2
-7.5°	10153.1	11692.3	14044.5	18567.9	29444.7	51115.4	86744.5	135493.0	190299.2	244049.9	294622.3
-10°	9894.8	11291.3	13344.9	16963.1	24828.0	41176.4	68771.0	109673.9	160402.0	209114.9	255368.9
-12.5°	9568.3	10785.8	12466.0	14960.7	20073.0	32131.9	53503.5	85148.0	124839.9	169039.3	209114.9
-15°	9205.6	10273.4	11716.9	13820.4	17474.7	24722.1	37736.3	59894.3	90765.3	124839.9	160402.0
-17.5°	8886.8	9784.1	10963.8	12520.3	14756.8	19037.3	27623.4	40750.0	59894.3	85148.0	109673.9
-20°	8528.5	9247.1	10232.3	11501.1	13198.4	15528.8	19567.2	27623.4	37736.3	53503.5	68771.0

REPORT NUMBER: P1212112 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-1000R-40-90-3S-HEG

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	8217.3	8822.4	9585.4	10514.4	11775.0	13427.6	15528.8	19037.3	24722.1	32131.9	41176.4
-25°	7916.6	8378.6	9002.3	9762.9	10646.2	11775.0	13198.4	14756.8	17474.7	20073.0	24828.0
-27.5°	7645.1	8034.7	8479.9	9062.9	9762.9	10514.4	11501.1	12520.3	13820.4	14960.7	16963.1
-30°	7383.2	7703.9	8074.4	8479.9	9002.3	9585.4	10232.3	10963.8	11716.9	12466.0	13344.9
-32.5°	6991.9	7411.9	7703.9	8034.7	8378.6	8822.4	9247.1	9784.1	10273.4	10785.8	11291.3
-35°	6502.4	6991.9	7383.2	7645.1	7916.6	8217.3	8528.5	8886.8	9205.6	9568.3	9894.8
-37.5°	5771.8	6435.9	6909.5	7273.5	7528.9	7743.8	7980.9	8213.9	8423.0	8677.1	8888.8
-40°	5176.5	5642.3	6237.7	6746.5	7066.1	7358.1	7541.5	7706.9	7865.9	8030.3	8166.8
-42.5°	4638.4	5046.0	5430.8	5912.0	6404.2	6782.2	7034.3	7261.1	7424.7	7540.8	7637.1
-45°	4075.7	4464.6	4831.2	5169.7	5485.6	5888.3	6274.1	6620.6	6822.1	6980.6	7111.8
-47.5°	3470.0	3858.2	4207.8	4530.7	4829.4	5099.8	5345.9	5582.7	5864.0	6104.9	6304.1
-50°	2876.3	3205.3	3546.8	3867.1	4150.9	4407.3	4640.2	4846.3	5024.8	5177.5	5303.7
-52.5°	2329.9	2614.4	2889.5	3155.3	3430.3	3682.9	3912.2	4106.3	4274.4	4418.1	4536.6
-55°	1921.6	2117.6	2302.2	2522.1	2742.1	2944.0	3132.1	3320.0	3484.6	3625.1	3740.9
-57.5°	1582.9	1718.3	1858.1	2016.5	2163.1	2297.5	2445.5	2594.7	2725.3	2836.6	2928.4
-60°	1276.3	1393.5	1509.4	1617.9	1718.3	1810.9	1921.6	2020.2	2106.5	2180.0	2240.5
-62.5°	978.9	1083.2	1183.2	1276.3	1362.4	1443.3	1518.5	1585.5	1644.0	1693.8	1734.8
-65°	692.1	783.3	868.9	948.5	1022.1	1092.9	1156.8	1213.6	1263.3	1305.5	1340.2
-67.5°	472.2	531.4	586.9	638.5	697.8	757.7	811.7	859.7	901.6	937.2	966.5
-70°	295.8	334.1	370.0	407.9	449.8	488.2	522.7	553.4	580.2	602.9	621.7
-72.5°	161.2	182.4	204.8	233.8	260.5	284.9	306.9	326.4	343.4	357.8	369.7
-75°	70.3	80.2	97.1	112.8	127.2	140.3	152.2	162.7	171.9	179.7	186.1
-77.5°	34.3	39.7	44.8	49.5	53.8	57.8	61.3	64.5	67.2	69.6	71.5
-80°	15.5	17.5	19.4	21.1	22.7	24.2	25.5	26.6	27.7	28.5	29.2
-82.5°	7.2	7.5	7.9	8.2	8.5	8.8	9.0	9.2	9.4	9.5	9.7
-85°	4.3	4.4	4.5	4.5	4.6	4.7	4.7	4.8	4.8	4.8	4.9
-87.5°	2.7	2.8	2.9	2.9	3.0	3.0	3.1	3.1	3.2	3.2	3.2
-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: P1212112 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-1000R-40-90-3S-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°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.1
85°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8
82.5°	9.8	9.8	9.9	9.9	9.9	9.8	9.8	9.7	9.5	9.4	9.2
80°	29.8	30.2	30.4	30.5	30.4	30.2	29.8	29.2	28.5	27.7	26.6
77.5°	73.0	74.0	74.7	74.9	74.7	74.0	73.0	71.5	69.6	67.2	64.5
75°	191.1	194.6	196.8	197.5	196.8	194.6	191.1	186.1	179.7	171.9	162.7
72.5°	378.9	385.6	389.6	390.9	389.6	385.6	378.9	369.7	357.8	343.4	326.4
70°	636.3	646.7	653.0	655.1	653.0	646.7	636.3	621.7	602.9	580.2	553.4
67.5°	989.4	1005.8	1015.6	1018.9	1015.6	1005.8	989.4	966.5	937.2	901.6	859.7
65°	1367.4	1386.8	1398.5	1402.4	1398.5	1386.8	1367.4	1340.2	1305.5	1263.3	1213.6
62.5°	1766.8	1789.8	1803.6	1808.2	1803.6	1789.8	1766.8	1734.8	1693.8	1644.0	1585.5
60°	2287.8	2321.7	2342.1	2348.9	2342.1	2321.7	2287.8	2240.5	2180.0	2106.5	2020.2
57.5°	3000.1	3051.6	3082.6	3092.9	3082.6	3051.6	3000.1	2928.4	2836.6	2725.3	2594.7
55°	3831.5	3896.6	3935.7	3948.8	3935.7	3896.6	3831.5	3740.9	3625.1	3484.6	3320.0
52.5°	4629.4	4696.1	4736.2	4749.6	4736.2	4696.1	4629.4	4536.6	4418.1	4274.4	4106.3
50°	5402.6	5473.6	5516.4	5530.7	5516.4	5473.6	5402.6	5303.7	5177.5	5024.8	4846.3
47.5°	6460.5	6572.8	6640.6	6663.2	6640.6	6572.8	6460.5	6304.1	6104.9	5864.0	5582.7
45°	7214.9	7289.0	7333.8	7348.7	7333.8	7289.0	7214.9	7111.8	6980.6	6822.1	6620.6
42.5°	7712.8	7767.4	7800.3	7811.3	7800.3	7767.4	7712.8	7637.1	7540.8	7424.7	7261.1
40°	8274.4	8352.0	8398.8	8414.5	8398.8	8352.0	8274.4	8166.8	8030.3	7865.9	7706.9
37.5°	9055.8	9176.4	9249.4	9273.8	9249.4	9176.4	9055.8	8888.8	8677.1	8423.0	8213.9
35°	10153.1	10340.0	10453.1	10491.0	10453.1	10340.0	10153.1	9894.8	9568.3	9205.6	8886.8
32.5°	11692.3	11983.1	12159.4	12218.5	12159.4	11983.1	11692.3	11291.3	10785.8	10273.4	9784.1
30°	14044.5	14553.1	14862.2	14965.8	14862.2	14553.1	14044.5	13344.9	12466.0	11716.9	10963.8
27.5°	18567.9	19738.9	20452.0	20691.5	20452.0	19738.9	18567.9	16963.1	14960.7	13820.4	12520.3
25°	29444.7	32828.7	34895.9	35591.4	34895.9	32828.7	29444.7	24828.0	20073.0	17474.7	14756.8
22.5°	51115.4	58442.8	62938.1	64453.8	62938.1	58442.8	51115.4	41176.4	32131.9	24722.1	19037.3
20°	86744.5	100097.8	108337.6	111124.7	108337.6	100097.8	86744.5	68771.0	53503.5	37736.3	27623.4
17.5°	135493.0	155201.1	167462.1	171628.0	167462.1	155201.1	135493.0	109673.9	85148.0	59894.3	40750.0
15°	190299.2	213118.5	227486.1	232401.2	227486.1	213118.5	190299.2	160402.0	124839.9	90765.3	59894.3
12.5°	244049.9	271500.7	288385.0	294085.6	288385.0	271500.7	244049.9	209114.9	169039.3	124839.9	85148.0
10°	294622.3	324958.2	344903.8	351935.5	344903.8	324958.2	294622.3	255368.9	209114.9	160402.0	109673.9
7.5°	338286.3	375369.1	398949.5	406448.5	398949.5	375369.1	338286.3	294622.3	244049.9	190299.2	135493.0
5°	375369.1	414504.9	433825.0	440007.4	433825.0	414504.9	375369.1	324958.2	271500.7	213118.5	155201.1
2.5°	398949.5	433825.0	458227.3	471483.8	458227.3	433825.0	398949.5	344903.8	288385.0	227486.1	167462.1
0°	406448.5	440007.4	471483.8	495961.1	471483.8	440007.4	406448.5	351935.5	294085.6	232401.2	171628.0
-2.5°	398949.5	433825.0	458227.3	471483.8	458227.3	433825.0	398949.5	344903.8	288385.0	227486.1	167462.1
-5°	375369.1	414504.9	433825.0	440007.4	433825.0	414504.9	375369.1	324958.2	271500.7	213118.5	155201.1
-7.5°	338286.3	375369.1	398949.5	406448.5	398949.5	375369.1	338286.3	294622.3	244049.9	190299.2	135493.0
-10°	294622.3	324958.2	344903.8	351935.5	344903.8	324958.2	294622.3	255368.9	209114.9	160402.0	109673.9
-12.5°	244049.9	271500.7	288385.0	294085.6	288385.0	271500.7	244049.9	209114.9	169039.3	124839.9	85148.0
-15°	190299.2	213118.5	227486.1	232401.2	227486.1	213118.5	190299.2	160402.0	124839.9	90765.3	59894.3
-17.5°	135493.0	155201.1	167462.1	171628.0	167462.1	155201.1	135493.0	109673.9	85148.0	59894.3	40750.0
-20°	86744.5	100097.8	108337.6	111124.7	108337.6	100097.8	86744.5	68771.0	53503.5	37736.3	27623.4

REPORT NUMBER: P1212112 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-1000R-40-90-3S-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	51115.4	58442.8	62938.1	64453.8	62938.1	58442.8	51115.4	41176.4	32131.9	24722.1	19037.3
-25°	29444.7	32828.7	34895.9	35591.4	34895.9	32828.7	29444.7	24828.0	20073.0	17474.7	14756.8
-27.5°	18567.9	19738.9	20452.0	20691.5	20452.0	19738.9	18567.9	16963.1	14960.7	13820.4	12520.3
-30°	14044.5	14553.1	14862.2	14965.8	14862.2	14553.1	14044.5	13344.9	12466.0	11716.9	10963.8
-32.5°	11692.3	11983.1	12159.4	12218.5	12159.4	11983.1	11692.3	11291.3	10785.8	10273.4	9784.1
-35°	10153.1	10340.0	10453.1	10491.0	10453.1	10340.0	10153.1	9894.8	9568.3	9205.6	8886.8
-37.5°	9055.8	9176.4	9249.4	9273.8	9249.4	9176.4	9055.8	8888.8	8677.1	8423.0	8213.9
-40°	8274.4	8352.0	8398.8	8414.5	8398.8	8352.0	8274.4	8166.8	8030.3	7865.9	7706.9
-42.5°	7712.8	7767.4	7800.3	7811.3	7800.3	7767.4	7712.8	7637.1	7540.8	7424.7	7261.1
-45°	7214.9	7289.0	7333.8	7348.7	7333.8	7289.0	7214.9	7111.8	6980.6	6822.1	6620.6
-47.5°	6460.5	6572.8	6640.6	6663.2	6640.6	6572.8	6460.5	6304.1	6104.9	5864.0	5582.7
-50°	5402.6	5473.6	5516.4	5530.7	5516.4	5473.6	5402.6	5303.7	5177.5	5024.8	4846.3
-52.5°	4629.4	4696.1	4736.2	4749.6	4736.2	4696.1	4629.4	4536.6	4418.1	4274.4	4106.3
-55°	3831.5	3896.6	3935.7	3948.8	3935.7	3896.6	3831.5	3740.9	3625.1	3484.6	3320.0
-57.5°	3000.1	3051.6	3082.6	3092.9	3082.6	3051.6	3000.1	2928.4	2836.6	2725.3	2594.7
-60°	2287.8	2321.7	2342.1	2348.9	2342.1	2321.7	2287.8	2240.5	2180.0	2106.5	2020.2
-62.5°	1766.8	1789.8	1803.6	1808.2	1803.6	1789.8	1766.8	1734.8	1693.8	1644.0	1585.5
-65°	1367.4	1386.8	1398.5	1402.4	1398.5	1386.8	1367.4	1340.2	1305.5	1263.3	1213.6
-67.5°	989.4	1005.8	1015.6	1018.9	1015.6	1005.8	989.4	966.5	937.2	901.6	859.7
-70°	636.3	646.7	653.0	655.1	653.0	646.7	636.3	621.7	602.9	580.2	553.4
-72.5°	378.9	385.6	389.6	390.9	389.6	385.6	378.9	369.7	357.8	343.4	326.4
-75°	191.1	194.6	196.8	197.5	196.8	194.6	191.1	186.1	179.7	171.9	162.7
-77.5°	73.0	74.0	74.7	74.9	74.7	74.0	73.0	71.5	69.6	67.2	64.5
-80°	29.8	30.2	30.4	30.5	30.4	30.2	29.8	29.2	28.5	27.7	26.6
-82.5°	9.8	9.8	9.9	9.9	9.9	9.8	9.8	9.7	9.5	9.4	9.2
-85°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.8
-87.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.2	3.2	3.2	3.1
-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: P1212112 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-1000R-40-90-3S-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°	3.1	3.0	3.0	2.9	2.9	2.8	2.7	2.6	2.5	2.4	2.3
85°	4.7	4.7	4.6	4.5	4.5	4.4	4.3	4.2	4.2	4.1	4.0
82.5°	9.0	8.8	8.5	8.2	7.9	7.5	7.2	6.8	6.4	5.9	5.5
80°	25.5	24.2	22.7	21.1	19.4	17.5	15.5	13.3	11.1	9.6	9.0
77.5°	61.3	57.8	53.8	49.5	44.8	39.7	34.3	29.6	26.7	23.8	20.6
75°	152.2	140.3	127.2	112.8	97.1	80.2	70.3	63.3	56.0	48.3	40.2
72.5°	306.9	284.9	260.5	233.8	204.8	182.4	161.2	138.7	115.0	90.1	70.9
70°	522.7	488.2	449.8	407.9	370.0	334.1	295.8	255.1	212.1	178.2	148.2
67.5°	811.7	757.7	697.8	638.5	586.9	531.4	472.2	409.3	355.8	304.9	251.6
65°	1156.8	1092.9	1022.1	948.5	868.9	783.3	692.1	611.8	537.7	460.1	382.2
62.5°	1518.5	1443.3	1362.4	1276.3	1183.2	1083.2	978.9	871.8	759.1	644.9	555.4
60°	1921.6	1810.9	1718.3	1617.9	1509.4	1393.5	1276.3	1152.4	1022.1	892.5	757.7
57.5°	2445.5	2297.5	2163.1	2016.5	1858.1	1718.3	1582.9	1439.9	1295.8	1147.3	994.1
55°	3132.1	2944.0	2742.1	2522.1	2302.2	2117.6	1921.6	1738.1	1575.2	1405.1	1237.9
52.5°	3912.2	3682.9	3430.3	3155.3	2889.5	2614.4	2329.9	2106.5	1872.4	1673.2	1483.0
50°	4640.2	4407.3	4150.9	3867.1	3546.8	3205.3	2876.3	2545.6	2240.5	1978.8	1732.6
47.5°	5345.9	5099.8	4829.4	4530.7	4207.8	3858.2	3470.0	3066.3	2696.2	2321.7	2032.3
45°	6274.1	5888.3	5485.6	5169.7	4831.2	4464.6	4075.7	3648.9	3194.8	2772.0	2348.9
42.5°	7034.3	6782.2	6404.2	5912.0	5430.8	5046.0	4638.4	4204.2	3739.1	3239.3	2772.0
40°	7541.5	7358.1	7066.1	6746.5	6237.7	5642.3	5176.5	4726.1	4247.3	3739.1	3194.8
37.5°	7980.9	7743.8	7528.9	7273.5	6909.5	6435.9	5771.8	5220.3	4726.1	4204.2	3648.9
35°	8528.5	8217.3	7916.6	7645.1	7383.2	6991.9	6502.4	5771.8	5176.5	4638.4	4075.7
32.5°	9247.1	8822.4	8378.6	8034.7	7703.9	7411.9	6991.9	6435.9	5642.3	5046.0	4464.6
30°	10232.3	9585.4	9002.3	8479.9	8074.4	7703.9	7383.2	6909.5	6237.7	5430.8	4831.2
27.5°	11501.1	10514.4	9762.9	9062.9	8479.9	8034.7	7645.1	7273.5	6746.5	5912.0	5169.7
25°	13198.4	11775.0	10646.2	9762.9	9002.3	8378.6	7916.6	7528.9	7066.1	6404.2	5485.6
22.5°	15528.8	13427.6	11775.0	10514.4	9585.4	8822.4	8217.3	7743.8	7358.1	6782.2	5888.3
20°	19567.2	15528.8	13198.4	11501.1	10232.3	9247.1	8528.5	7980.9	7541.5	7034.3	6274.1
17.5°	27623.4	19037.3	14756.8	12520.3	10963.8	9784.1	8886.8	8213.9	7706.9	7261.1	6620.6
15°	37736.3	24722.1	17474.7	13820.4	11716.9	10273.4	9205.6	8423.0	7865.9	7424.7	6822.1
12.5°	53503.5	32131.9	20073.0	14960.7	12466.0	10785.8	9568.3	8677.1	8030.3	7540.8	6980.6
10°	68771.0	41176.4	24828.0	16963.1	13344.9	11291.3	9894.8	8888.8	8166.8	7637.1	7111.8
7.5°	86744.5	51115.4	29444.7	18567.9	14044.5	11692.3	10153.1	9055.8	8274.4	7712.8	7214.9
5°	100097.8	58442.8	32828.7	19738.9	14553.1	11983.1	10340.0	9176.4	8352.0	7767.4	7289.0
2.5°	108337.6	62938.1	34895.9	20452.0	14862.2	12159.4	10453.1	9249.4	8398.8	7800.3	7333.8
0°	111124.7	64453.8	35591.4	20691.5	14965.8	12218.5	10491.0	9273.8	8414.5	7811.3	7348.7
-2.5°	108337.6	62938.1	34895.9	20452.0	14862.2	12159.4	10453.1	9249.4	8398.8	7800.3	7333.8
-5°	100097.8	58442.8	32828.7	19738.9	14553.1	11983.1	10340.0	9176.4	8352.0	7767.4	7289.0
-7.5°	86744.5	51115.4	29444.7	18567.9	14044.5	11692.3	10153.1	9055.8	8274.4	7712.8	7214.9
-10°	68771.0	41176.4	24828.0	16963.1	13344.9	11291.3	9894.8	8888.8	8166.8	7637.1	7111.8
-12.5°	53503.5	32131.9	20073.0	14960.7	12466.0	10785.8	9568.3	8677.1	8030.3	7540.8	6980.6
-15°	37736.3	24722.1	17474.7	13820.4	11716.9	10273.4	9205.6	8423.0	7865.9	7424.7	6822.1
-17.5°	27623.4	19037.3	14756.8	12520.3	10963.8	9784.1	8886.8	8213.9	7706.9	7261.1	6620.6
-20°	19567.2	15528.8	13198.4	11501.1	10232.3	9247.1	8528.5	7980.9	7541.5	7034.3	6274.1

REPORT NUMBER: P1212112 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-1000R-40-90-3S-HEG

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	15528.8	13427.6	11775.0	10514.4	9585.4	8822.4	8217.3	7743.8	7358.1	6782.2	5888.3
-25°	13198.4	11775.0	10646.2	9762.9	9002.3	8378.6	7916.6	7528.9	7066.1	6404.2	5485.6
-27.5°	11501.1	10514.4	9762.9	9062.9	8479.9	8034.7	7645.1	7273.5	6746.5	5912.0	5169.7
-30°	10232.3	9585.4	9002.3	8479.9	8074.4	7703.9	7383.2	6909.5	6237.7	5430.8	4831.2
-32.5°	9247.1	8822.4	8378.6	8034.7	7703.9	7411.9	6991.9	6435.9	5642.3	5046.0	4464.6
-35°	8528.5	8217.3	7916.6	7645.1	7383.2	6991.9	6502.4	5771.8	5176.5	4638.4	4075.7
-37.5°	7980.9	7743.8	7528.9	7273.5	6909.5	6435.9	5771.8	5220.3	4726.1	4204.2	3648.9
-40°	7541.5	7358.1	7066.1	6746.5	6237.7	5642.3	5176.5	4726.1	4247.3	3739.1	3194.8
-42.5°	7034.3	6782.2	6404.2	5912.0	5430.8	5046.0	4638.4	4204.2	3739.1	3239.3	2772.0
-45°	6274.1	5888.3	5485.6	5169.7	4831.2	4464.6	4075.7	3648.9	3194.8	2772.0	2348.9
-47.5°	5345.9	5099.8	4829.4	4530.7	4207.8	3858.2	3470.0	3066.3	2696.2	2321.7	2032.3
-50°	4640.2	4407.3	4150.9	3867.1	3546.8	3205.3	2876.3	2545.6	2240.5	1978.8	1732.6
-52.5°	3912.2	3682.9	3430.3	3155.3	2889.5	2614.4	2329.9	2106.5	1872.4	1673.2	1483.0
-55°	3132.1	2944.0	2742.1	2522.1	2302.2	2117.6	1921.6	1738.1	1575.2	1405.1	1237.9
-57.5°	2445.5	2297.5	2163.1	2016.5	1858.1	1718.3	1582.9	1439.9	1295.8	1147.3	994.1
-60°	1921.6	1810.9	1718.3	1617.9	1509.4	1393.5	1276.3	1152.4	1022.1	892.5	757.7
-62.5°	1518.5	1443.3	1362.4	1276.3	1183.2	1083.2	978.9	871.8	759.1	644.9	555.4
-65°	1156.8	1092.9	1022.1	948.5	868.9	783.3	692.1	611.8	537.7	460.1	382.2
-67.5°	811.7	757.7	697.8	638.5	586.9	531.4	472.2	409.3	355.8	304.9	251.6
-70°	522.7	488.2	449.8	407.9	370.0	334.1	295.8	255.1	212.1	178.2	148.2
-72.5°	306.9	284.9	260.5	233.8	204.8	182.4	161.2	138.7	115.0	90.1	70.9
-75°	152.2	140.3	127.2	112.8	97.1	80.2	70.3	63.3	56.0	48.3	40.2
-77.5°	61.3	57.8	53.8	49.5	44.8	39.7	34.3	29.6	26.7	23.8	20.6
-80°	25.5	24.2	22.7	21.1	19.4	17.5	15.5	13.3	11.1	9.6	9.0
-82.5°	9.0	8.8	8.5	8.2	7.9	7.5	7.2	6.8	6.4	5.9	5.5
-85°	4.7	4.7	4.6	4.5	4.5	4.4	4.3	4.2	4.2	4.1	4.0
-87.5°	3.1	3.0	3.0	2.9	2.9	2.8	2.7	2.6	2.5	2.4	2.3
-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: P1212112 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-1000R-40-90-3S-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°	2.2	2.1	2.0	1.9	1.8	1.6	1.5	1.4	1.3	1.1	1.0
85°	3.9	3.8	3.6	3.5	3.4	3.3	3.0	2.8	2.5	2.3	2.0
82.5°	5.0	4.8	4.6	4.4	4.3	4.1	3.9	3.7	3.5	3.3	3.0
80°	8.4	7.7	7.0	6.3	5.6	4.9	4.6	4.4	4.1	3.9	3.6
77.5°	17.4	14.0	10.5	9.2	8.3	7.3	6.4	5.4	4.7	4.4	4.1
75°	31.7	27.0	22.8	18.4	14.0	9.8	8.6	7.5	6.3	5.1	4.6
72.5°	61.1	50.8	40.2	29.9	24.7	19.4	13.9	9.5	8.1	6.7	5.3
70°	117.1	84.7	66.3	53.8	41.0	29.2	23.0	16.6	10.1	8.3	6.7
67.5°	196.7	160.2	122.5	83.7	63.6	48.8	33.7	24.8	17.5	10.1	8.1
65°	320.5	256.5	193.0	149.9	105.5	69.6	52.8	35.6	24.8	16.6	9.5
62.5°	462.4	372.8	300.0	225.2	166.4	116.5	71.5	52.8	33.7	23.0	13.9
60°	627.9	522.7	414.2	326.4	242.7	171.9	116.5	69.6	48.8	29.2	19.4
57.5°	842.0	684.8	559.2	438.4	335.2	242.7	166.4	105.5	63.6	41.0	24.7
55°	1064.8	893.0	718.6	571.3	438.4	326.4	225.2	149.9	83.7	53.8	29.9
52.5°	1292.7	1101.1	910.1	718.6	559.2	414.2	300.0	193.0	122.5	66.3	40.2
50°	1522.2	1311.0	1101.1	893.0	684.8	522.7	372.8	256.5	160.2	84.7	50.8
47.5°	1752.4	1522.2	1292.7	1064.8	842.0	627.9	462.4	320.5	196.7	117.1	61.1
45°	2032.3	1732.6	1483.0	1237.9	994.1	757.7	555.4	382.2	251.6	148.2	70.9
42.5°	2321.7	1978.8	1673.2	1405.1	1147.3	892.5	644.9	460.1	304.9	178.2	90.1
40°	2696.2	2240.5	1872.4	1575.2	1295.8	1022.1	759.1	537.7	355.8	212.1	115.0
37.5°	3066.3	2545.6	2106.5	1738.1	1439.9	1152.4	871.8	611.8	409.3	255.1	138.7
35°	3470.0	2876.3	2329.9	1921.6	1582.9	1276.3	978.9	692.1	472.2	295.8	161.2
32.5°	3858.2	3205.3	2614.4	2117.6	1718.3	1393.5	1083.2	783.3	531.4	334.1	182.4
30°	4207.8	3546.8	2889.5	2302.2	1858.1	1509.4	1183.2	868.9	586.9	370.0	204.8
27.5°	4530.7	3867.1	3155.3	2522.1	2016.5	1617.9	1276.3	948.5	638.5	407.9	233.8
25°	4829.4	4150.9	3430.3	2742.1	2163.1	1718.3	1362.4	1022.1	697.8	449.8	260.5
22.5°	5099.8	4407.3	3682.9	2944.0	2297.5	1810.9	1443.3	1092.9	757.7	488.2	284.9
20°	5345.9	4640.2	3912.2	3132.1	2445.5	1921.6	1518.5	1156.8	811.7	522.7	306.9
17.5°	5582.7	4846.3	4106.3	3320.0	2594.7	2020.2	1585.5	1213.6	859.7	553.4	326.4
15°	5864.0	5024.8	4274.4	3484.6	2725.3	2106.5	1644.0	1263.3	901.6	580.2	343.4
12.5°	6104.9	5177.5	4418.1	3625.1	2836.6	2180.0	1693.8	1305.5	937.2	602.9	357.8
10°	6304.1	5303.7	4536.6	3740.9	2928.4	2240.5	1734.8	1340.2	966.5	621.7	369.7
7.5°	6460.5	5402.6	4629.4	3831.5	3000.1	2287.8	1766.8	1367.4	989.4	636.3	378.9
5°	6572.8	5473.6	4696.1	3896.6	3051.6	2321.7	1789.8	1386.8	1005.8	646.7	385.6
2.5°	6640.6	5516.4	4736.2	3935.7	3082.6	2342.1	1803.6	1398.5	1015.6	653.0	389.6
0°	6663.2	5530.7	4749.6	3948.8	3092.9	2348.9	1808.2	1402.4	1018.9	655.1	390.9
-2.5°	6640.6	5516.4	4736.2	3935.7	3082.6	2342.1	1803.6	1398.5	1015.6	653.0	389.6
-5°	6572.8	5473.6	4696.1	3896.6	3051.6	2321.7	1789.8	1386.8	1005.8	646.7	385.6
-7.5°	6460.5	5402.6	4629.4	3831.5	3000.1	2287.8	1766.8	1367.4	989.4	636.3	378.9
-10°	6304.1	5303.7	4536.6	3740.9	2928.4	2240.5	1734.8	1340.2	966.5	621.7	369.7
-12.5°	6104.9	5177.5	4418.1	3625.1	2836.6	2180.0	1693.8	1305.5	937.2	602.9	357.8
-15°	5864.0	5024.8	4274.4	3484.6	2725.3	2106.5	1644.0	1263.3	901.6	580.2	343.4
-17.5°	5582.7	4846.3	4106.3	3320.0	2594.7	2020.2	1585.5	1213.6	859.7	553.4	326.4
-20°	5345.9	4640.2	3912.2	3132.1	2445.5	1921.6	1518.5	1156.8	811.7	522.7	306.9

REPORT NUMBER: P1212112 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-1000R-40-90-3S-HEG

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5099.8	4407.3	3682.9	2944.0	2297.5	1810.9	1443.3	1092.9	757.7	488.2	284.9
-25°	4829.4	4150.9	3430.3	2742.1	2163.1	1718.3	1362.4	1022.1	697.8	449.8	260.5
-27.5°	4530.7	3867.1	3155.3	2522.1	2016.5	1617.9	1276.3	948.5	638.5	407.9	233.8
-30°	4207.8	3546.8	2889.5	2302.2	1858.1	1509.4	1183.2	868.9	586.9	370.0	204.8
-32.5°	3858.2	3205.3	2614.4	2117.6	1718.3	1393.5	1083.2	783.3	531.4	334.1	182.4
-35°	3470.0	2876.3	2329.9	1921.6	1582.9	1276.3	978.9	692.1	472.2	295.8	161.2
-37.5°	3066.3	2545.6	2106.5	1738.1	1439.9	1152.4	871.8	611.8	409.3	255.1	138.7
-40°	2696.2	2240.5	1872.4	1575.2	1295.8	1022.1	759.1	537.7	355.8	212.1	115.0
-42.5°	2321.7	1978.8	1673.2	1405.1	1147.3	892.5	644.9	460.1	304.9	178.2	90.1
-45°	2032.3	1732.6	1483.0	1237.9	994.1	757.7	555.4	382.2	251.6	148.2	70.9
-47.5°	1752.4	1522.2	1292.7	1064.8	842.0	627.9	462.4	320.5	196.7	117.1	61.1
-50°	1522.2	1311.0	1101.1	893.0	684.8	522.7	372.8	256.5	160.2	84.7	50.8
-52.5°	1292.7	1101.1	910.1	718.6	559.2	414.2	300.0	193.0	122.5	66.3	40.2
-55°	1064.8	893.0	718.6	571.3	438.4	326.4	225.2	149.9	83.7	53.8	29.9
-57.5°	842.0	684.8	559.2	438.4	335.2	242.7	166.4	105.5	63.6	41.0	24.7
-60°	627.9	522.7	414.2	326.4	242.7	171.9	116.5	69.6	48.8	29.2	19.4
-62.5°	462.4	372.8	300.0	225.2	166.4	116.5	71.5	52.8	33.7	23.0	13.9
-65°	320.5	256.5	193.0	149.9	105.5	69.6	52.8	35.6	24.8	16.6	9.5
-67.5°	196.7	160.2	122.5	83.7	63.6	48.8	33.7	24.8	17.5	10.1	8.1
-70°	117.1	84.7	66.3	53.8	41.0	29.2	23.0	16.6	10.1	8.3	6.7
-72.5°	61.1	50.8	40.2	29.9	24.7	19.4	13.9	9.5	8.1	6.7	5.3
-75°	31.7	27.0	22.8	18.4	14.0	9.8	8.6	7.5	6.3	5.1	4.6
-77.5°	17.4	14.0	10.5	9.2	8.3	7.3	6.4	5.4	4.7	4.4	4.1
-80°	8.4	7.7	7.0	6.3	5.6	4.9	4.6	4.4	4.1	3.9	3.6
-82.5°	5.0	4.8	4.6	4.4	4.3	4.1	3.9	3.7	3.5	3.3	3.0
-85°	3.9	3.8	3.6	3.5	3.4	3.3	3.0	2.8	2.5	2.3	2.0
-87.5°	2.2	2.1	2.0	1.9	1.8	1.6	1.5	1.4	1.3	1.1	1.0
-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: P1212112 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-1000R-40-90-3S-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°	0.9	0.7	0.6	0.4	0.3	0.1	0.0
85°	1.7	1.4	1.1	0.9	0.6	0.3	0.0
82.5°	2.6	2.1	1.7	1.3	0.9	0.4	0.0
80°	3.3	2.8	2.3	1.7	1.1	0.6	0.0
77.5°	3.8	3.4	2.8	2.1	1.4	0.7	0.0
75°	4.2	3.8	3.3	2.6	1.7	0.9	0.0
72.5°	4.6	4.1	3.6	3.0	2.0	1.0	0.0
70°	5.1	4.4	3.9	3.3	2.3	1.1	0.0
67.5°	6.3	4.7	4.1	3.5	2.5	1.3	0.0
65°	7.5	5.4	4.4	3.7	2.8	1.4	0.0
62.5°	8.6	6.4	4.6	3.9	3.0	1.5	0.0
60°	9.8	7.3	4.9	4.1	3.3	1.6	0.0
57.5°	14.0	8.3	5.6	4.3	3.4	1.8	0.0
55°	18.4	9.2	6.3	4.4	3.5	1.9	0.0
52.5°	22.8	10.5	7.0	4.6	3.6	2.0	0.0
50°	27.0	14.0	7.7	4.8	3.8	2.1	0.0
47.5°	31.7	17.4	8.4	5.0	3.9	2.2	0.0
45°	40.2	20.6	9.0	5.5	4.0	2.3	0.0
42.5°	48.3	23.8	9.6	5.9	4.1	2.4	0.0
40°	56.0	26.7	11.1	6.4	4.2	2.5	0.0
37.5°	63.3	29.6	13.3	6.8	4.2	2.6	0.0
35°	70.3	34.3	15.5	7.2	4.3	2.7	0.0
32.5°	80.2	39.7	17.5	7.5	4.4	2.8	0.0
30°	97.1	44.8	19.4	7.9	4.5	2.9	0.0
27.5°	112.8	49.5	21.1	8.2	4.5	2.9	0.0
25°	127.2	53.8	22.7	8.5	4.6	3.0	0.0
22.5°	140.3	57.8	24.2	8.8	4.7	3.0	0.0
20°	152.2	61.3	25.5	9.0	4.7	3.1	0.0
17.5°	162.7	64.5	26.6	9.2	4.8	3.1	0.0
15°	171.9	67.2	27.7	9.4	4.8	3.2	0.0
12.5°	179.7	69.6	28.5	9.5	4.8	3.2	0.0
10°	186.1	71.5	29.2	9.7	4.9	3.2	0.0
7.5°	191.1	73.0	29.8	9.8	4.9	3.3	0.0
5°	194.6	74.0	30.2	9.8	4.9	3.3	0.0
2.5°	196.8	74.7	30.4	9.9	4.9	3.3	0.0
0°	197.5	74.9	30.5	9.9	4.9	3.3	0.0
-2.5°	196.8	74.7	30.4	9.9	4.9	3.3	0.0
-5°	194.6	74.0	30.2	9.8	4.9	3.3	0.0
-7.5°	191.1	73.0	29.8	9.8	4.9	3.3	0.0
-10°	186.1	71.5	29.2	9.7	4.9	3.2	0.0
-12.5°	179.7	69.6	28.5	9.5	4.8	3.2	0.0
-15°	171.9	67.2	27.7	9.4	4.8	3.2	0.0
-17.5°	162.7	64.5	26.6	9.2	4.8	3.1	0.0
-20°	152.2	61.3	25.5	9.0	4.7	3.1	0.0

REPORT NUMBER: P1212112 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-1000R-40-90-3S-HEG

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	140.3	57.8	24.2	8.8	4.7	3.0	0.0
-25°	127.2	53.8	22.7	8.5	4.6	3.0	0.0
-27.5°	112.8	49.5	21.1	8.2	4.5	2.9	0.0
-30°	97.1	44.8	19.4	7.9	4.5	2.9	0.0
-32.5°	80.2	39.7	17.5	7.5	4.4	2.8	0.0
-35°	70.3	34.3	15.5	7.2	4.3	2.7	0.0
-37.5°	63.3	29.6	13.3	6.8	4.2	2.6	0.0
-40°	56.0	26.7	11.1	6.4	4.2	2.5	0.0
-42.5°	48.3	23.8	9.6	5.9	4.1	2.4	0.0
-45°	40.2	20.6	9.0	5.5	4.0	2.3	0.0
-47.5°	31.7	17.4	8.4	5.0	3.9	2.2	0.0
-50°	27.0	14.0	7.7	4.8	3.8	2.1	0.0
-52.5°	22.8	10.5	7.0	4.6	3.6	2.0	0.0
-55°	18.4	9.2	6.3	4.4	3.5	1.9	0.0
-57.5°	14.0	8.3	5.6	4.3	3.4	1.8	0.0
-60°	9.8	7.3	4.9	4.1	3.3	1.6	0.0
-62.5°	8.6	6.4	4.6	3.9	3.0	1.5	0.0
-65°	7.5	5.4	4.4	3.7	2.8	1.4	0.0
-67.5°	6.3	4.7	4.1	3.5	2.5	1.3	0.0
-70°	5.1	4.4	3.9	3.3	2.3	1.1	0.0
-72.5°	4.6	4.1	3.6	3.0	2.0	1.0	0.0
-75°	4.2	3.8	3.3	2.6	1.7	0.9	0.0
-77.5°	3.8	3.4	2.8	2.1	1.4	0.7	0.0
-80°	3.3	2.8	2.3	1.7	1.1	0.6	0.0
-82.5°	2.6	2.1	1.7	1.3	0.9	0.4	0.0
-85°	1.7	1.4	1.1	0.9	0.6	0.3	0.0
-87.5°	0.9	0.7	0.6	0.4	0.3	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)