

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: P1212115 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-40-90-4S-HEG**

Issue Date: 11/14/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P1212115 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/14/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: EPHESUS  
Catalog Number: EPH-LS12-1000R-40-90-4S-HEG  
Description: EPHESUS LS12 LUMINAIRE  
(12) 4000K, 90 CRI LEDS AND 4S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

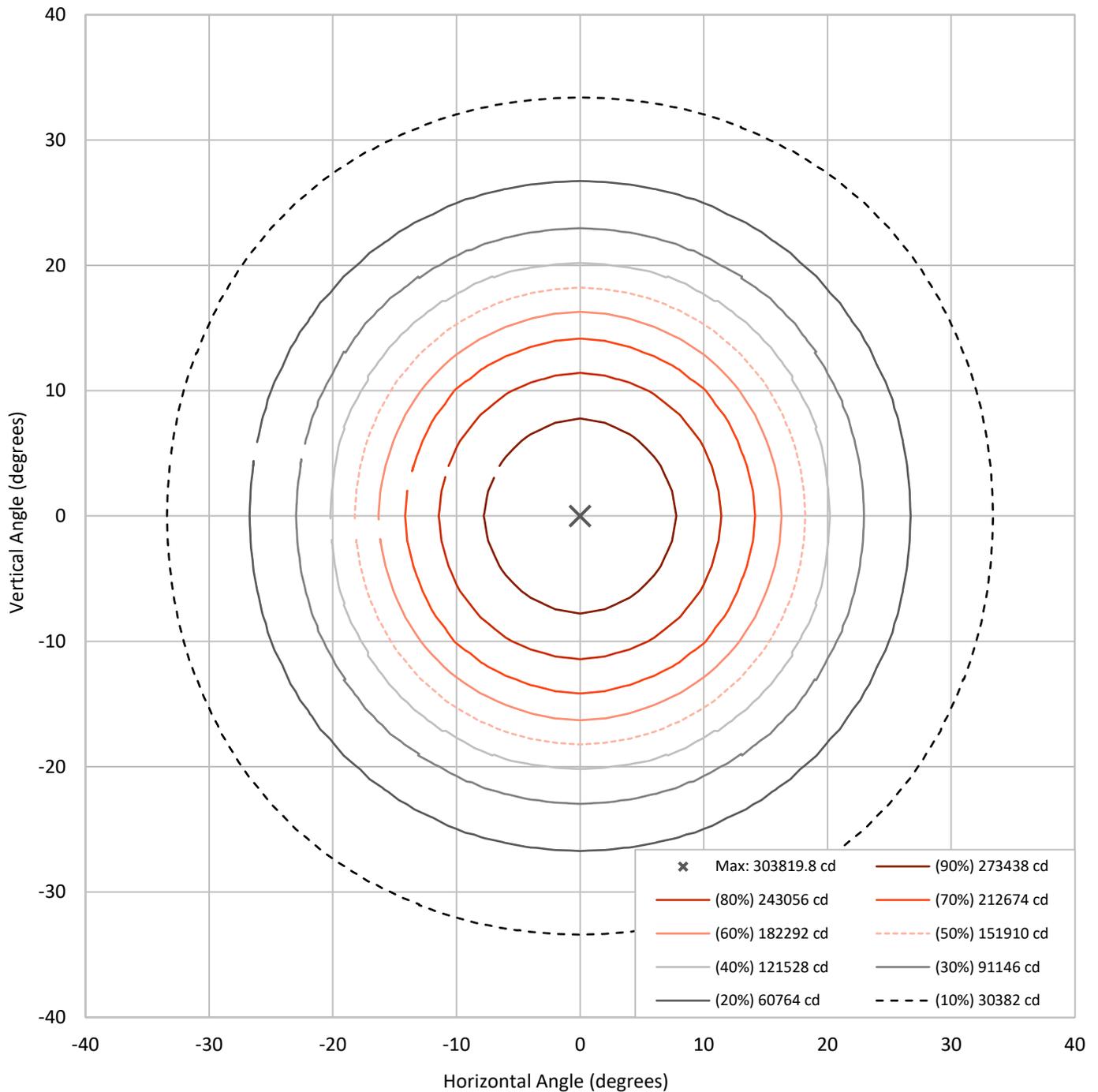
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	138702.8 lumens	Max Intensity:	303819.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	133.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	36.4°H x 36.4°V	Field Angle (10%):	66.7°H x 66.7°V
Beam Lumens:	70362.9 lumens	Field Lumens:	121459.5 lumens
Beam Efficiency:	50.7%	Field Efficiency:	87.6%

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: P1212115 (CONVERTED FROM TYPE C PHOTOMETRY)

CATALOG NUMBER: EPH-LS12-1000R-40-90-4S-HEG

### Iso-Candela Plot





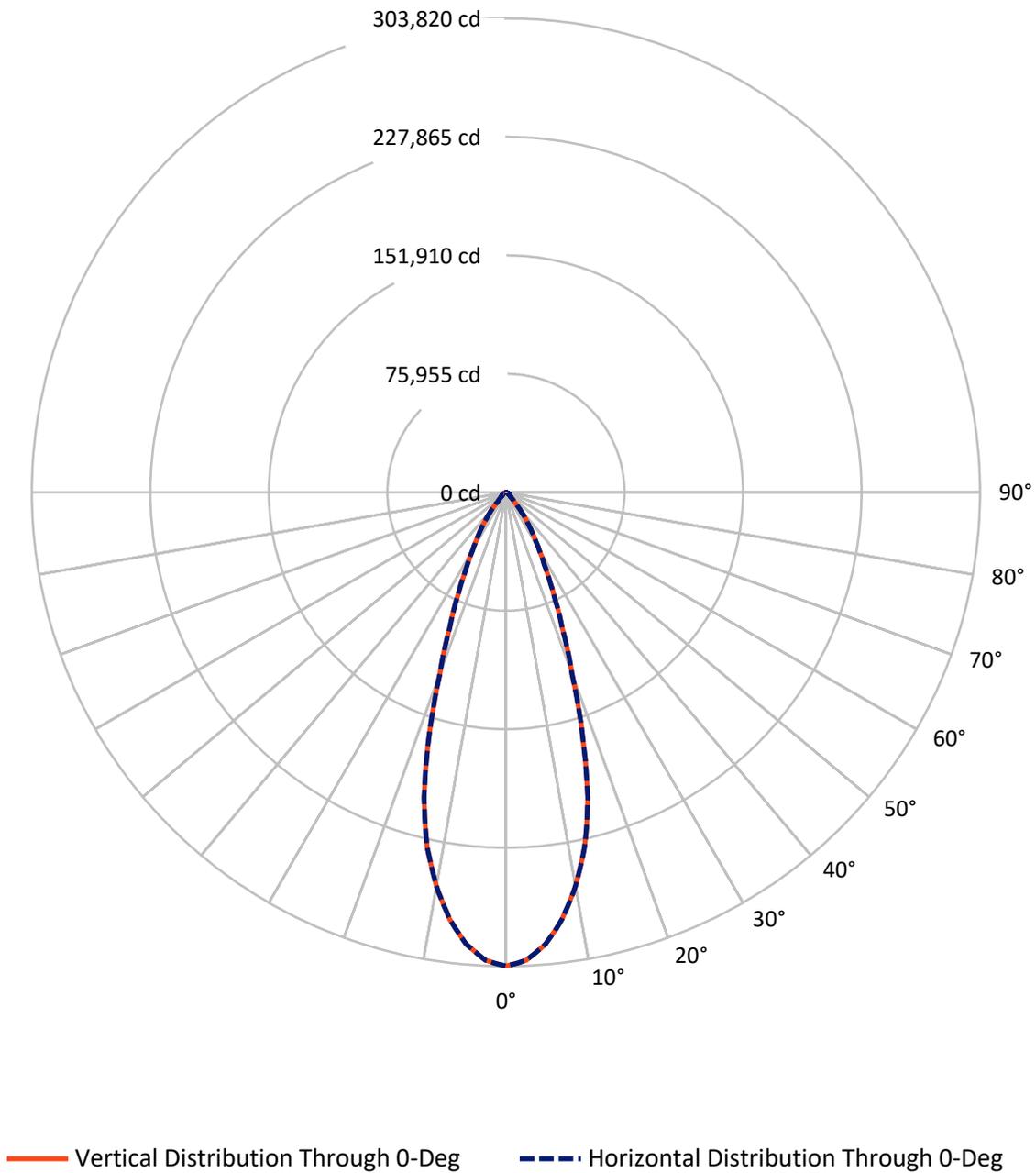
REPORT NUMBER: P1212115 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-40-90-4S-HEG

### Lumen Table

90	0.1	0.6	3.6	10.1	13.4	10.1	3.6	0.6	0.1										
80	0.1	0.6	3.6	10.1	13.4	10.1	3.6	0.6	0.1										
70	0.3	0.5	2.6	7.7	16.1	25.8	34.1	38.7	38.7	34.1	25.8	16.1	7.7	2.6	0.5	0.3			
60		2.0	9.2	24.4	43.1	59.1	71.4	78.5	78.5	71.4	59.1	43.1	24.4	9.2	2.0				
50	1.3	4.8	20.0	42.9	66.3	93.7	130.6	167.0	167.0	130.6	93.7	66.3	42.9	20.0	4.8	1.3			
40		8.6	30.4	57.3	100.2	249.8	534.8	750.1	750.1	534.8	249.8	100.2	57.3	30.4	8.6				
30	3.0	12.5	37.7	73.5	227.3	730.0	1460.9	2166.3	2166.3	1460.9	730.0	227.3	73.5	37.7	12.5	3.0			
20		15.5	42.8	96.6	458.3	1375.7	3345.3	5543.1	5543.1	3345.3	1375.7	458.3	96.6	42.8	15.5				
10	3.8	17.0	45.6	120.5	623.6	1983.2	5387.3	8215.8	8215.8	5387.3	1983.2	623.6	120.5	45.6	17.0	3.8			
0		17.0	45.6	120.5	623.6	1983.2	5387.3	8215.8	8215.8	5387.3	1983.2	623.6	120.5	45.6	17.0				
-10	3.0	15.5	42.8	96.6	458.3	1375.7	3345.3	5543.1	5543.1	3345.3	1375.7	458.3	96.6	42.8	15.5	3.0			
-20		12.5	37.7	73.5	227.3	730.0	1460.9	2166.3	2166.3	1460.9	730.0	227.3	73.5	37.7	12.5				
-30	1.3	8.6	30.4	57.3	100.2	249.8	534.8	750.1	750.1	534.8	249.8	100.2	57.3	30.4	8.6	1.3			
-40		4.8	20.0	42.9	66.3	93.7	130.6	167.0	167.0	130.6	93.7	66.3	42.9	20.0	4.8				
-50	0.3	2.0	9.2	24.4	43.1	59.1	71.4	78.5	78.5	71.4	59.1	43.1	24.4	9.2	2.0	0.3			
-60		0.5	2.6	7.7	16.1	25.8	34.1	38.7	38.7	34.1	25.8	16.1	7.7	2.6	0.5				
-70	0.1	0.5	2.6	7.7	16.1	25.8	34.1	38.7	38.7	34.1	25.8	16.1	7.7	2.6	0.5	0.1			
-80		0.1	0.6	3.6	10.1	13.4	10.1	3.6	0.6	0.1									
-90	0.1	0.6	3.6	10.1	13.4	10.1	3.6	0.6	0.1										

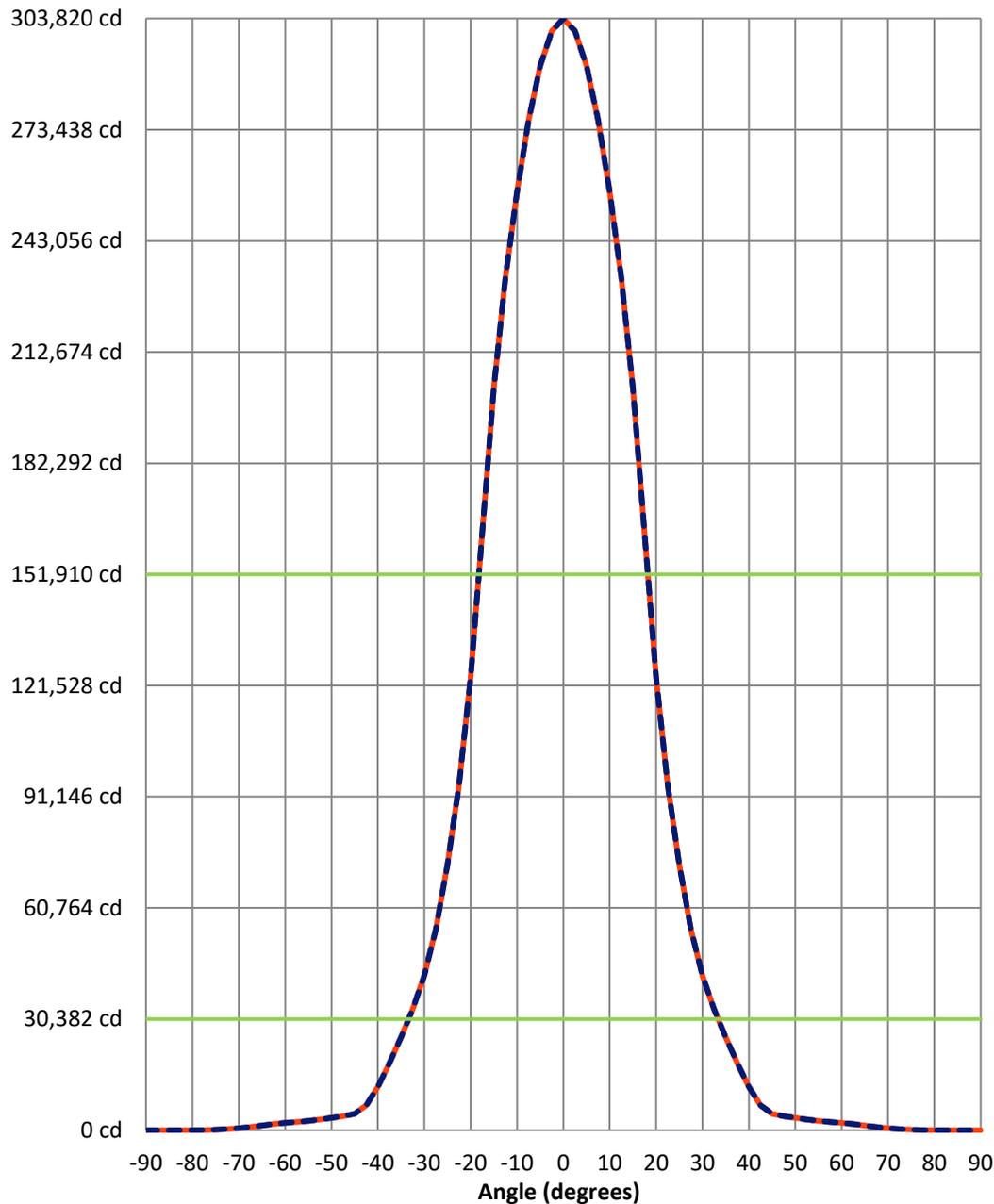
REPORT NUMBER: P1212115 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-LS12-1000R-40-90-4S-HEG

### Luminous Intensity Polar Plot



REPORT NUMBER: P1212115 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-40-90-4S-HEG

### Luminous Intensity Plot



**Beam:**  
 H Angle: 36.4°  
 V Angle: 36.4°  
 Lumens: 70362.9  
 Efficiency: 50.7%

**Field:**  
 H Angle: 66.7°  
 V Angle: 66.7°  
 Lumens: 121459.5  
 Efficiency: 87.6%

**Spill:**  
 Lumens: 17243.2  
 Efficiency: 12.4%

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



REPORT NUMBER: P1212115 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-40-90-4S-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	0.2	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1
85°	0.0	0.4	0.9	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.1
82.5°	0.0	0.6	1.3	1.9	2.5	3.2	3.8	4.4	4.9	5.0	5.1
80°	0.0	0.9	1.7	2.5	3.4	4.2	4.9	5.1	5.2	5.4	5.5
77.5°	0.0	1.1	2.1	3.2	4.2	5.0	5.2	5.3	5.5	5.7	6.2
75°	0.0	1.3	2.5	3.8	4.9	5.2	5.4	5.6	5.9	6.9	7.9
72.5°	0.0	1.5	2.9	4.4	5.1	5.3	5.6	6.1	7.3	8.4	9.6
70°	0.0	1.7	3.3	4.9	5.2	5.5	5.9	7.3	8.6	10.1	15.8
67.5°	0.0	1.9	3.7	5.0	5.4	5.7	6.9	8.4	10.1	16.6	23.0
65°	0.0	2.1	4.1	5.1	5.5	6.2	7.9	9.6	15.8	23.0	32.7
62.5°	0.0	2.3	4.5	5.2	5.7	7.0	8.9	13.4	21.4	30.9	48.2
60°	0.0	2.4	4.9	5.3	5.8	7.8	9.8	18.2	26.9	44.6	63.4
57.5°	0.0	2.6	5.0	5.4	6.4	8.6	13.5	22.9	37.5	58.1	93.4
55°	0.0	2.8	5.0	5.5	7.0	9.3	17.4	27.5	49.2	75.5	129.7
52.5°	0.0	3.0	5.1	5.6	7.6	10.4	21.2	36.8	60.5	107.3	165.0
50°	0.0	3.1	5.2	5.7	8.1	13.5	24.9	46.5	76.3	138.2	219.4
47.5°	0.0	3.3	5.2	5.9	8.6	16.5	29.1	55.7	102.8	168.0	274.4
45°	0.0	3.5	5.3	6.3	9.2	19.3	36.8	64.7	128.4	215.3	327.5
42.5°	0.0	3.6	5.3	6.7	9.7	22.1	44.1	80.7	152.9	261.0	394.1
40°	0.0	3.8	5.4	7.0	10.9	24.7	51.1	101.1	181.3	304.9	460.3
37.5°	0.0	3.9	5.4	7.3	12.9	27.2	57.8	120.6	218.2	350.7	523.5
35°	0.0	4.0	5.5	7.7	14.8	31.4	64.1	139.0	253.2	404.3	594.4
32.5°	0.0	4.1	5.5	8.0	16.6	36.3	72.7	156.3	286.1	454.9	678.0
30°	0.0	4.2	5.6	8.2	18.2	41.0	86.5	175.0	317.0	502.3	756.4
27.5°	0.0	4.3	5.6	8.5	19.7	45.2	99.3	199.9	349.5	546.3	829.3
25°	0.0	4.4	5.6	8.7	21.2	49.2	111.1	222.9	385.3	599.6	897.2
22.5°	0.0	4.5	5.7	9.0	22.4	52.7	121.9	243.9	418.0	654.5	970.8
20°	0.0	4.6	5.7	9.2	23.6	56.0	131.6	262.7	447.5	703.9	1037.3
17.5°	0.0	4.7	5.7	9.3	24.6	58.8	140.2	279.5	473.7	747.9	1096.5
15°	0.0	4.7	5.7	9.5	25.5	61.3	147.7	294.1	496.5	786.3	1148.2
12.5°	0.0	4.8	5.8	9.6	26.3	63.4	154.1	306.5	516.0	819.0	1192.1
10°	0.0	4.8	5.8	9.7	26.9	65.2	159.3	316.8	532.0	845.8	1228.3
7.5°	0.0	4.9	5.8	9.8	27.4	66.5	163.4	324.7	544.4	866.8	1256.5
5°	0.0	4.9	5.8	9.9	27.7	67.5	166.4	330.4	553.3	881.8	1276.8
2.5°	0.0	4.9	5.8	9.9	27.9	68.1	168.1	333.9	558.7	890.8	1288.9
0°	0.0	4.9	5.8	9.9	28.0	68.3	168.7	335.0	560.5	893.8	1293.0
-2.5°	0.0	4.9	5.8	9.9	27.9	68.1	168.1	333.9	558.7	890.8	1288.9
-5°	0.0	4.9	5.8	9.9	27.7	67.5	166.4	330.4	553.3	881.8	1276.8
-7.5°	0.0	4.9	5.8	9.8	27.4	66.5	163.4	324.7	544.4	866.8	1256.5
-10°	0.0	4.8	5.8	9.7	26.9	65.2	159.3	316.8	532.0	845.8	1228.3
-12.5°	0.0	4.8	5.8	9.6	26.3	63.4	154.1	306.5	516.0	819.0	1192.1
-15°	0.0	4.7	5.7	9.5	25.5	61.3	147.7	294.1	496.5	786.3	1148.2
-17.5°	0.0	4.7	5.7	9.3	24.6	58.8	140.2	279.5	473.7	747.9	1096.5
-20°	0.0	4.6	5.7	9.2	23.6	56.0	131.6	262.7	447.5	703.9	1037.3



REPORT NUMBER: P1212115 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-40-90-4S-HEG

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	4.5	5.7	9.0	22.4	52.7	121.9	243.9	418.0	654.5	970.8
-25°	0.0	4.4	5.6	8.7	21.2	49.2	111.1	222.9	385.3	599.6	897.2
-27.5°	0.0	4.3	5.6	8.5	19.7	45.2	99.3	199.9	349.5	546.3	829.3
-30°	0.0	4.2	5.6	8.2	18.2	41.0	86.5	175.0	317.0	502.3	756.4
-32.5°	0.0	4.1	5.5	8.0	16.6	36.3	72.7	156.3	286.1	454.9	678.0
-35°	0.0	4.0	5.5	7.7	14.8	31.4	64.1	139.0	253.2	404.3	594.4
-37.5°	0.0	3.9	5.4	7.3	12.9	27.2	57.8	120.6	218.2	350.7	523.5
-40°	0.0	3.8	5.4	7.0	10.9	24.7	51.1	101.1	181.3	304.9	460.3
-42.5°	0.0	3.6	5.3	6.7	9.7	22.1	44.1	80.7	152.9	261.0	394.1
-45°	0.0	3.5	5.3	6.3	9.2	19.3	36.8	64.7	128.4	215.3	327.5
-47.5°	0.0	3.3	5.2	5.9	8.6	16.5	29.1	55.7	102.8	168.0	274.4
-50°	0.0	3.1	5.2	5.7	8.1	13.5	24.9	46.5	76.3	138.2	219.4
-52.5°	0.0	3.0	5.1	5.6	7.6	10.4	21.2	36.8	60.5	107.3	165.0
-55°	0.0	2.8	5.0	5.5	7.0	9.3	17.4	27.5	49.2	75.5	129.7
-57.5°	0.0	2.6	5.0	5.4	6.4	8.6	13.5	22.9	37.5	58.1	93.4
-60°	0.0	2.4	4.9	5.3	5.8	7.8	9.8	18.2	26.9	44.6	63.4
-62.5°	0.0	2.3	4.5	5.2	5.7	7.0	8.9	13.4	21.4	30.9	48.2
-65°	0.0	2.1	4.1	5.1	5.5	6.2	7.9	9.6	15.8	23.0	32.7
-67.5°	0.0	1.9	3.7	5.0	5.4	5.7	6.9	8.4	10.1	16.6	23.0
-70°	0.0	1.7	3.3	4.9	5.2	5.5	5.9	7.3	8.6	10.1	15.8
-72.5°	0.0	1.5	2.9	4.4	5.1	5.3	5.6	6.1	7.3	8.4	9.6
-75°	0.0	1.3	2.5	3.8	4.9	5.2	5.4	5.6	5.9	6.9	7.9
-77.5°	0.0	1.1	2.1	3.2	4.2	5.0	5.2	5.3	5.5	5.7	6.2
-80°	0.0	0.9	1.7	2.5	3.4	4.2	4.9	5.1	5.2	5.4	5.5
-82.5°	0.0	0.6	1.3	1.9	2.5	3.2	3.8	4.4	4.9	5.0	5.1
-85°	0.0	0.4	0.9	1.3	1.7	2.1	2.5	2.9	3.3	3.7	4.1
-87.5°	0.0	0.2	0.4	0.6	0.9	1.1	1.3	1.5	1.7	1.9	2.1
-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: P1212115 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-40-90-4S-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°	2.3	2.4	2.6	2.8	3.0	3.1	3.3	3.5	3.6	3.8	3.9
85°	4.5	4.9	5.0	5.0	5.1	5.2	5.2	5.3	5.3	5.4	5.4
82.5°	5.2	5.3	5.4	5.5	5.6	5.7	5.9	6.3	6.7	7.0	7.3
80°	5.7	5.8	6.4	7.0	7.6	8.1	8.6	9.2	9.7	10.9	12.9
77.5°	7.0	7.8	8.6	9.3	10.4	13.5	16.5	19.3	22.1	24.7	27.2
75°	8.9	9.8	13.5	17.4	21.2	24.9	29.1	36.8	44.1	51.1	57.8
72.5°	13.4	18.2	22.9	27.5	36.8	46.5	55.7	64.7	80.7	101.1	120.6
70°	21.4	26.9	37.5	49.2	60.5	76.3	102.8	128.4	152.9	181.3	218.2
67.5°	30.9	44.6	58.1	75.5	107.3	138.2	168.0	215.3	261.0	304.9	350.7
65°	48.2	63.4	93.4	129.7	165.0	219.4	274.4	327.5	394.1	460.3	523.5
62.5°	65.2	102.4	143.2	192.5	256.9	319.4	396.1	475.4	551.8	655.8	759.1
60°	102.4	147.7	207.5	279.5	354.9	447.5	537.3	654.5	778.0	897.2	1032.8
57.5°	143.2	207.5	287.1	375.6	478.6	587.7	731.7	871.0	1027.5	1182.0	1330.9
55°	192.5	279.5	375.6	489.0	618.7	778.4	941.6	1121.7	1295.8	1467.9	1632.7
52.5°	256.9	354.9	478.6	618.7	794.1	979.3	1178.8	1374.6	1567.0	1741.9	1881.6
50°	319.4	447.5	587.7	778.4	979.3	1197.9	1414.3	1627.1	1805.4	1961.6	2090.3
47.5°	396.1	537.3	731.7	941.6	1178.8	1414.3	1647.2	1837.4	2010.1	2139.2	2259.5
45°	475.4	654.5	871.0	1121.7	1374.6	1627.1	1837.4	2026.3	2163.9	2302.4	2454.8
42.5°	551.8	778.0	1027.5	1295.8	1567.0	1805.4	2010.1	2163.9	2317.3	2485.1	2677.0
40°	655.8	897.2	1182.0	1467.9	1741.9	1961.6	2139.2	2302.4	2485.1	2697.5	2925.3
37.5°	759.1	1032.8	1330.9	1632.7	1881.6	2090.3	2259.5	2454.8	2677.0	2925.3	3208.3
35°	857.1	1161.8	1475.7	1771.3	2014.9	2197.8	2394.8	2615.9	2883.6	3183.0	3483.7
32.5°	960.8	1283.7	1612.6	1888.3	2112.6	2305.9	2525.1	2800.9	3107.6	3432.0	3748.7
30°	1064.8	1401.2	1733.4	1998.4	2202.1	2420.6	2678.7	2983.6	3329.8	3669.6	4080.6
27.5°	1161.8	1511.1	1827.9	2082.6	2289.1	2528.1	2832.4	3179.1	3539.7	3921.0	4437.2
25°	1251.3	1612.6	1915.4	2154.1	2381.4	2651.7	2982.6	3361.5	3736.1	4234.0	5426.8
22.5°	1334.4	1705.2	1995.6	2219.8	2466.3	2773.6	3138.7	3530.2	3956.0	4558.6	6519.3
20°	1410.5	1771.3	2057.7	2281.4	2543.2	2884.5	3280.8	3684.2	4202.9	5490.8	8273.1
17.5°	1478.3	1830.2	2106.2	2344.4	2630.4	2992.3	3408.3	3822.4	4425.1	6331.7	10211.6
15°	1537.4	1881.6	2148.7	2399.7	2710.4	3095.4	3520.5	3995.1	4897.0	7317.0	11944.9
12.5°	1587.8	1925.5	2184.9	2446.8	2778.8	3183.6	3616.6	4150.3	5487.2	8684.3	13865.1
10°	1629.3	1961.6	2214.7	2485.7	2835.2	3256.4	3696.1	4278.8	5976.7	9820.4	15464.1
7.5°	1661.7	1989.8	2238.0	2516.1	2879.3	3313.5	3758.5	4379.8	6361.7	10715.3	16726.0
5°	1685.0	2010.1	2254.8	2538.0	2911.0	3354.5	3803.3	4452.4	6639.0	11360.8	17637.5
2.5°	1698.9	2022.2	2264.8	2551.1	2930.1	3379.2	3830.4	4496.3	6806.4	11750.6	18188.6
0°	1703.6	2026.3	2268.2	2555.5	2936.5	3387.5	3839.4	4510.9	6862.3	11881.0	18373.0
-2.5°	1698.9	2022.2	2264.8	2551.1	2930.1	3379.2	3830.4	4496.3	6806.4	11750.6	18188.6
-5°	1685.0	2010.1	2254.8	2538.0	2911.0	3354.5	3803.3	4452.4	6639.0	11360.8	17637.5
-7.5°	1661.7	1989.8	2238.0	2516.1	2879.3	3313.5	3758.5	4379.8	6361.7	10715.3	16726.0
-10°	1629.3	1961.6	2214.7	2485.7	2835.2	3256.4	3696.1	4278.8	5976.7	9820.4	15464.1
-12.5°	1587.8	1925.5	2184.9	2446.8	2778.8	3183.6	3616.6	4150.3	5487.2	8684.3	13865.1
-15°	1537.4	1881.6	2148.7	2399.7	2710.4	3095.4	3520.5	3995.1	4897.0	7317.0	11944.9
-17.5°	1478.3	1830.2	2106.2	2344.4	2630.4	2992.3	3408.3	3822.4	4425.1	6331.7	10211.6
-20°	1410.5	1771.3	2057.7	2281.4	2543.2	2884.5	3280.8	3684.2	4202.9	5490.8	8273.1



REPORT NUMBER: P1212115 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-40-90-4S-HEG

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1334.4	1705.2	1995.6	2219.8	2466.3	2773.6	3138.7	3530.2	3956.0	4558.6	6519.3
-25°	1251.3	1612.6	1915.4	2154.1	2381.4	2651.7	2982.6	3361.5	3736.1	4234.0	5426.8
-27.5°	1161.8	1511.1	1827.9	2082.6	2289.1	2528.1	2832.4	3179.1	3539.7	3921.0	4437.2
-30°	1064.8	1401.2	1733.4	1998.4	2202.1	2420.6	2678.7	2983.6	3329.8	3669.6	4080.6
-32.5°	960.8	1283.7	1612.6	1888.3	2112.6	2305.9	2525.1	2800.9	3107.6	3432.0	3748.7
-35°	857.1	1161.8	1475.7	1771.3	2014.9	2197.8	2394.8	2615.9	2883.6	3183.0	3483.7
-37.5°	759.1	1032.8	1330.9	1632.7	1881.6	2090.3	2259.5	2454.8	2677.0	2925.3	3208.3
-40°	655.8	897.2	1182.0	1467.9	1741.9	1961.6	2139.2	2302.4	2485.1	2697.5	2925.3
-42.5°	551.8	778.0	1027.5	1295.8	1567.0	1805.4	2010.1	2163.9	2317.3	2485.1	2677.0
-45°	475.4	654.5	871.0	1121.7	1374.6	1627.1	1837.4	2026.3	2163.9	2302.4	2454.8
-47.5°	396.1	537.3	731.7	941.6	1178.8	1414.3	1647.2	1837.4	2010.1	2139.2	2259.5
-50°	319.4	447.5	587.7	778.4	979.3	1197.9	1414.3	1627.1	1805.4	1961.6	2090.3
-52.5°	256.9	354.9	478.6	618.7	794.1	979.3	1178.8	1374.6	1567.0	1741.9	1881.6
-55°	192.5	279.5	375.6	489.0	618.7	778.4	941.6	1121.7	1295.8	1467.9	1632.7
-57.5°	143.2	207.5	287.1	375.6	478.6	587.7	731.7	871.0	1027.5	1182.0	1330.9
-60°	102.4	147.7	207.5	279.5	354.9	447.5	537.3	654.5	778.0	897.2	1032.8
-62.5°	65.2	102.4	143.2	192.5	256.9	319.4	396.1	475.4	551.8	655.8	759.1
-65°	48.2	63.4	93.4	129.7	165.0	219.4	274.4	327.5	394.1	460.3	523.5
-67.5°	30.9	44.6	58.1	75.5	107.3	138.2	168.0	215.3	261.0	304.9	350.7
-70°	21.4	26.9	37.5	49.2	60.5	76.3	102.8	128.4	152.9	181.3	218.2
-72.5°	13.4	18.2	22.9	27.5	36.8	46.5	55.7	64.7	80.7	101.1	120.6
-75°	8.9	9.8	13.5	17.4	21.2	24.9	29.1	36.8	44.1	51.1	57.8
-77.5°	7.0	7.8	8.6	9.3	10.4	13.5	16.5	19.3	22.1	24.7	27.2
-80°	5.7	5.8	6.4	7.0	7.6	8.1	8.6	9.2	9.7	10.9	12.9
-82.5°	5.2	5.3	5.4	5.5	5.6	5.7	5.9	6.3	6.7	7.0	7.3
-85°	4.5	4.9	5.0	5.0	5.1	5.2	5.2	5.3	5.3	5.4	5.4
-87.5°	2.3	2.4	2.6	2.8	3.0	3.1	3.3	3.5	3.6	3.8	3.9
-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: P1212115 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-100R-40-90-4S-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°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.7	4.8	4.8
85°	5.5	5.5	5.6	5.6	5.6	5.7	5.7	5.7	5.7	5.8	5.8
82.5°	7.7	8.0	8.2	8.5	8.7	9.0	9.2	9.3	9.5	9.6	9.7
80°	14.8	16.6	18.2	19.7	21.2	22.4	23.6	24.6	25.5	26.3	26.9
77.5°	31.4	36.3	41.0	45.2	49.2	52.7	56.0	58.8	61.3	63.4	65.2
75°	64.1	72.7	86.5	99.3	111.1	121.9	131.6	140.2	147.7	154.1	159.3
72.5°	139.0	156.3	175.0	199.9	222.9	243.9	262.7	279.5	294.1	306.5	316.8
70°	253.2	286.1	317.0	349.5	385.3	418.0	447.5	473.7	496.5	516.0	532.0
67.5°	404.3	454.9	502.3	546.3	599.6	654.5	703.9	747.9	786.3	819.0	845.8
65°	594.4	678.0	756.4	829.3	897.2	970.8	1037.3	1096.5	1148.2	1192.1	1228.3
62.5°	857.1	960.8	1064.8	1161.8	1251.3	1334.4	1410.5	1478.3	1537.4	1587.8	1629.3
60°	1161.8	1283.7	1401.2	1511.1	1612.6	1705.2	1771.3	1830.2	1881.6	1925.5	1961.6
57.5°	1475.7	1612.6	1733.4	1827.9	1915.4	1995.6	2057.7	2106.2	2148.7	2184.9	2214.7
55°	1771.3	1888.3	1998.4	2082.6	2154.1	2219.8	2281.4	2344.4	2399.7	2446.8	2485.7
52.5°	2014.9	2112.6	2202.1	2289.1	2381.4	2466.3	2543.2	2630.4	2710.4	2778.8	2835.2
50°	2197.8	2305.9	2420.6	2528.1	2651.7	2773.6	2884.5	2992.3	3095.4	3183.6	3256.4
47.5°	2394.8	2525.1	2678.7	2832.4	2982.6	3138.7	3280.8	3408.3	3520.5	3616.6	3696.1
45°	2615.9	2800.9	2983.6	3179.1	3361.5	3530.2	3684.2	3822.4	3995.1	4150.3	4278.8
42.5°	2883.6	3107.6	3329.8	3539.7	3736.1	3956.0	4202.9	4425.1	4897.0	5487.2	5976.7
40°	3183.0	3432.0	3669.6	3921.0	4234.0	4558.6	5490.8	6331.7	7317.0	8684.3	9820.4
37.5°	3483.7	3748.7	4080.6	4437.2	5426.8	6519.3	8273.1	10211.6	11944.9	13865.1	15464.1
35°	3775.2	4161.4	4686.5	6017.5	7738.8	10240.3	12742.0	15449.5	17857.7	20076.1	21964.7
32.5°	4161.4	4832.1	6316.6	8720.9	11582.2	14962.5	18171.6	21324.7	24154.6	26717.3	28954.4
30°	4686.5	6316.6	9051.2	12374.9	16321.8	20175.1	23916.7	27505.1	30837.5	33883.5	36817.8
27.5°	6017.5	8720.9	12374.9	16779.5	21202.0	25516.6	29882.7	34064.8	38405.0	42212.0	46659.6
25°	7738.8	11582.2	16321.8	21202.0	26099.6	31094.5	36328.4	41531.2	47794.4	53558.4	59824.3
22.5°	10240.3	14962.5	20175.1	25516.6	31094.5	37093.8	43477.9	51260.7	59699.1	68465.7	76789.3
20°	12742.0	18171.6	23916.7	29882.7	36328.4	43477.9	52436.4	63131.6	74183.3	86127.1	97137.0
17.5°	15449.5	21324.7	27505.1	34064.8	41531.2	51260.7	63131.6	76466.3	90968.2	107436.1	122859.9
15°	17857.7	24154.6	30837.5	38405.0	47794.4	59699.1	74183.3	90968.2	110968.7	132739.7	155991.4
12.5°	20076.1	26717.3	33883.5	42212.0	53558.4	68465.7	86127.1	107436.1	132739.7	161638.7	187643.7
10°	21964.7	28954.4	36817.8	46659.6	59824.3	76789.3	97137.0	122859.9	155991.4	187643.7	214438.6
7.5°	23458.5	30728.8	39153.0	50219.5	65286.4	84318.1	108440.1	139705.1	175440.7	208676.4	233240.3
5°	24539.5	32015.6	40851.3	52817.2	69290.0	89868.6	116837.7	152590.9	190240.3	222381.2	246037.2
2.5°	25193.9	32795.8	41882.9	54399.1	71735.8	93273.8	122019.6	160607.5	199558.6	230418.1	253715.8
0°	25413.0	33057.2	42228.9	54930.4	72558.6	94422.0	123772.3	163331.3	202746.3	232997.4	256390.3
-2.5°	25193.9	32795.8	41882.9	54399.1	71735.8	93273.8	122019.6	160607.5	199558.6	230418.1	253715.8
-5°	24539.5	32015.6	40851.3	52817.2	69290.0	89868.6	116837.7	152590.9	190240.3	222381.2	246037.2
-7.5°	23458.5	30728.8	39153.0	50219.5	65286.4	84318.1	108440.1	139705.1	175440.7	208676.4	233240.3
-10°	21964.7	28954.4	36817.8	46659.6	59824.3	76789.3	97137.0	122859.9	155991.4	187643.7	214438.6
-12.5°	20076.1	26717.3	33883.5	42212.0	53558.4	68465.7	86127.1	107436.1	132739.7	161638.7	187643.7
-15°	17857.7	24154.6	30837.5	38405.0	47794.4	59699.1	74183.3	90968.2	110968.7	132739.7	155991.4
-17.5°	15449.5	21324.7	27505.1	34064.8	41531.2	51260.7	63131.6	76466.3	90968.2	107436.1	122859.9
-20°	12742.0	18171.6	23916.7	29882.7	36328.4	43477.9	52436.4	63131.6	74183.3	86127.1	97137.0



REPORT NUMBER: P1212115 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-40-90-4S-HEG

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10240.3	14962.5	20175.1	25516.6	31094.5	37093.8	43477.9	51260.7	59699.1	68465.7	76789.3
-25°	7738.8	11582.2	16321.8	21202.0	26099.6	31094.5	36328.4	41531.2	47794.4	53558.4	59824.3
-27.5°	6017.5	8720.9	12374.9	16779.5	21202.0	25516.6	29882.7	34064.8	38405.0	42212.0	46659.6
-30°	4686.5	6316.6	9051.2	12374.9	16321.8	20175.1	23916.7	27505.1	30837.5	33883.5	36817.8
-32.5°	4161.4	4832.1	6316.6	8720.9	11582.2	14962.5	18171.6	21324.7	24154.6	26717.3	28954.4
-35°	3775.2	4161.4	4686.5	6017.5	7738.8	10240.3	12742.0	15449.5	17857.7	20076.1	21964.7
-37.5°	3483.7	3748.7	4080.6	4437.2	5426.8	6519.3	8273.1	10211.6	11944.9	13865.1	15464.1
-40°	3183.0	3432.0	3669.6	3921.0	4234.0	4558.6	5490.8	6331.7	7317.0	8684.3	9820.4
-42.5°	2883.6	3107.6	3329.8	3539.7	3736.1	3956.0	4202.9	4425.1	4897.0	5487.2	5976.7
-45°	2615.9	2800.9	2983.6	3179.1	3361.5	3530.2	3684.2	3822.4	3995.1	4150.3	4278.8
-47.5°	2394.8	2525.1	2678.7	2832.4	2982.6	3138.7	3280.8	3408.3	3520.5	3616.6	3696.1
-50°	2197.8	2305.9	2420.6	2528.1	2651.7	2773.6	2884.5	2992.3	3095.4	3183.6	3256.4
-52.5°	2014.9	2112.6	2202.1	2289.1	2381.4	2466.3	2543.2	2630.4	2710.4	2778.8	2835.2
-55°	1771.3	1888.3	1998.4	2082.6	2154.1	2219.8	2281.4	2344.4	2399.7	2446.8	2485.7
-57.5°	1475.7	1612.6	1733.4	1827.9	1915.4	1995.6	2057.7	2106.2	2148.7	2184.9	2214.7
-60°	1161.8	1283.7	1401.2	1511.1	1612.6	1705.2	1771.3	1830.2	1881.6	1925.5	1961.6
-62.5°	857.1	960.8	1064.8	1161.8	1251.3	1334.4	1410.5	1478.3	1537.4	1587.8	1629.3
-65°	594.4	678.0	756.4	829.3	897.2	970.8	1037.3	1096.5	1148.2	1192.1	1228.3
-67.5°	404.3	454.9	502.3	546.3	599.6	654.5	703.9	747.9	786.3	819.0	845.8
-70°	253.2	286.1	317.0	349.5	385.3	418.0	447.5	473.7	496.5	516.0	532.0
-72.5°	139.0	156.3	175.0	199.9	222.9	243.9	262.7	279.5	294.1	306.5	316.8
-75°	64.1	72.7	86.5	99.3	111.1	121.9	131.6	140.2	147.7	154.1	159.3
-77.5°	31.4	36.3	41.0	45.2	49.2	52.7	56.0	58.8	61.3	63.4	65.2
-80°	14.8	16.6	18.2	19.7	21.2	22.4	23.6	24.6	25.5	26.3	26.9
-82.5°	7.7	8.0	8.2	8.5	8.7	9.0	9.2	9.3	9.5	9.6	9.7
-85°	5.5	5.5	5.6	5.6	5.6	5.7	5.7	5.7	5.7	5.8	5.8
-87.5°	4.0	4.1	4.2	4.3	4.4	4.5	4.6	4.7	4.7	4.8	4.8
-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: P1212115 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-100R-40-90-4S-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°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.7	4.7
85°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.7	5.7
82.5°	9.8	9.9	9.9	9.9	9.9	9.9	9.8	9.7	9.6	9.5	9.3
80°	27.4	27.7	27.9	28.0	27.9	27.7	27.4	26.9	26.3	25.5	24.6
77.5°	66.5	67.5	68.1	68.3	68.1	67.5	66.5	65.2	63.4	61.3	58.8
75°	163.4	166.4	168.1	168.7	168.1	166.4	163.4	159.3	154.1	147.7	140.2
72.5°	324.7	330.4	333.9	335.0	333.9	330.4	324.7	316.8	306.5	294.1	279.5
70°	544.4	553.3	558.7	560.5	558.7	553.3	544.4	532.0	516.0	496.5	473.7
67.5°	866.8	881.8	890.8	893.8	890.8	881.8	866.8	845.8	819.0	786.3	747.9
65°	1256.5	1276.8	1288.9	1293.0	1288.9	1276.8	1256.5	1228.3	1192.1	1148.2	1096.5
62.5°	1661.7	1685.0	1698.9	1703.6	1698.9	1685.0	1661.7	1629.3	1587.8	1537.4	1478.3
60°	1989.8	2010.1	2022.2	2026.3	2022.2	2010.1	1989.8	1961.6	1925.5	1881.6	1830.2
57.5°	2238.0	2254.8	2264.8	2268.2	2264.8	2254.8	2238.0	2214.7	2184.9	2148.7	2106.2
55°	2516.1	2538.0	2551.1	2555.5	2551.1	2538.0	2516.1	2485.7	2446.8	2399.7	2344.4
52.5°	2879.3	2911.0	2930.1	2936.5	2930.1	2911.0	2879.3	2835.2	2778.8	2710.4	2630.4
50°	3313.5	3354.5	3379.2	3387.5	3379.2	3354.5	3313.5	3256.4	3183.6	3095.4	2992.3
47.5°	3758.5	3803.3	3830.4	3839.4	3830.4	3803.3	3758.5	3696.1	3616.6	3520.5	3408.3
45°	4379.8	4452.4	4496.3	4510.9	4496.3	4452.4	4379.8	4278.8	4150.3	3995.1	3822.4
42.5°	6361.7	6639.0	6806.4	6862.3	6806.4	6639.0	6361.7	5976.7	5487.2	4897.0	4425.1
40°	10715.3	11360.8	11750.6	11881.0	11750.6	11360.8	10715.3	9820.4	8684.3	7317.0	6331.7
37.5°	16726.0	17637.5	18188.6	18373.0	18188.6	17637.5	16726.0	15464.1	13865.1	11944.9	10211.6
35°	23458.5	24539.5	25193.9	25413.0	25193.9	24539.5	23458.5	21964.7	20076.1	17857.7	15449.5
32.5°	30728.8	32015.6	32795.8	33057.2	32795.8	32015.6	30728.8	28954.4	26717.3	24154.6	21324.7
30°	39153.0	40851.3	41882.9	42228.9	41882.9	40851.3	39153.0	36817.8	33883.5	30837.5	27505.1
27.5°	50219.5	52817.2	54399.1	54930.4	54399.1	52817.2	50219.5	46659.6	42212.0	38405.0	34064.8
25°	65286.4	69290.0	71735.8	72558.6	71735.8	69290.0	65286.4	59824.3	53558.4	47794.4	41531.2
22.5°	84318.1	89868.6	93273.8	94422.0	93273.8	89868.6	84318.1	76789.3	68465.7	59699.1	51260.7
20°	108440.1	116837.7	122019.6	123772.3	122019.6	116837.7	108440.1	97137.0	86127.1	74183.3	63131.6
17.5°	139705.1	152590.9	160607.5	163331.3	160607.5	152590.9	139705.1	122859.9	107436.1	90968.2	76466.3
15°	175440.7	190240.3	199558.6	202746.3	199558.6	190240.3	175440.7	155991.4	132739.7	110968.7	90968.2
12.5°	208676.4	222381.2	230418.1	232997.4	230418.1	222381.2	208676.4	187643.7	161638.7	132739.7	107436.1
10°	233240.3	246037.2	253715.8	256390.3	253715.8	246037.2	233240.3	214438.6	187643.7	155991.4	122859.9
7.5°	251198.8	264498.7	273165.1	276005.7	273165.1	264498.7	251198.8	233240.3	208676.4	175440.7	139705.1
5°	264498.7	279057.4	287808.9	290860.6	287808.9	279057.4	264498.7	246037.2	222381.2	190240.3	152590.9
2.5°	273165.1	287808.9	297258.9	300348.8	297258.9	287808.9	273165.1	253715.8	230418.1	199558.6	160607.5
0°	276005.7	290860.6	300348.8	303819.8	300348.8	290860.6	276005.7	256390.3	232997.4	202746.3	163331.3
-2.5°	273165.1	287808.9	297258.9	300348.8	297258.9	287808.9	273165.1	253715.8	230418.1	199558.6	160607.5
-5°	264498.7	279057.4	287808.9	290860.6	287808.9	279057.4	264498.7	246037.2	222381.2	190240.3	152590.9
-7.5°	251198.8	264498.7	273165.1	276005.7	273165.1	264498.7	251198.8	233240.3	208676.4	175440.7	139705.1
-10°	233240.3	246037.2	253715.8	256390.3	253715.8	246037.2	233240.3	214438.6	187643.7	155991.4	122859.9
-12.5°	208676.4	222381.2	230418.1	232997.4	230418.1	222381.2	208676.4	187643.7	161638.7	132739.7	107436.1
-15°	175440.7	190240.3	199558.6	202746.3	199558.6	190240.3	175440.7	155991.4	132739.7	110968.7	90968.2
-17.5°	139705.1	152590.9	160607.5	163331.3	160607.5	152590.9	139705.1	122859.9	107436.1	90968.2	76466.3
-20°	108440.1	116837.7	122019.6	123772.3	122019.6	116837.7	108440.1	97137.0	86127.1	74183.3	63131.6



REPORT NUMBER: P1212115 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-40-90-4S-HEG

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	84318.1	89868.6	93273.8	94422.0	93273.8	89868.6	84318.1	76789.3	68465.7	59699.1	51260.7
-25°	65286.4	69290.0	71735.8	72558.6	71735.8	69290.0	65286.4	59824.3	53558.4	47794.4	41531.2
-27.5°	50219.5	52817.2	54399.1	54930.4	54399.1	52817.2	50219.5	46659.6	42212.0	38405.0	34064.8
-30°	39153.0	40851.3	41882.9	42228.9	41882.9	40851.3	39153.0	36817.8	33883.5	30837.5	27505.1
-32.5°	30728.8	32015.6	32795.8	33057.2	32795.8	32015.6	30728.8	28954.4	26717.3	24154.6	21324.7
-35°	23458.5	24539.5	25193.9	25413.0	25193.9	24539.5	23458.5	21964.7	20076.1	17857.7	15449.5
-37.5°	16726.0	17637.5	18188.6	18373.0	18188.6	17637.5	16726.0	15464.1	13865.1	11944.9	10211.6
-40°	10715.3	11360.8	11750.6	11881.0	11750.6	11360.8	10715.3	9820.4	8684.3	7317.0	6331.7
-42.5°	6361.7	6639.0	6806.4	6862.3	6806.4	6639.0	6361.7	5976.7	5487.2	4897.0	4425.1
-45°	4379.8	4452.4	4496.3	4510.9	4496.3	4452.4	4379.8	4278.8	4150.3	3995.1	3822.4
-47.5°	3758.5	3803.3	3830.4	3839.4	3830.4	3803.3	3758.5	3696.1	3616.6	3520.5	3408.3
-50°	3313.5	3354.5	3379.2	3387.5	3379.2	3354.5	3313.5	3256.4	3183.6	3095.4	2992.3
-52.5°	2879.3	2911.0	2930.1	2936.5	2930.1	2911.0	2879.3	2835.2	2778.8	2710.4	2630.4
-55°	2516.1	2538.0	2551.1	2555.5	2551.1	2538.0	2516.1	2485.7	2446.8	2399.7	2344.4
-57.5°	2238.0	2254.8	2264.8	2268.2	2264.8	2254.8	2238.0	2214.7	2184.9	2148.7	2106.2
-60°	1989.8	2010.1	2022.2	2026.3	2022.2	2010.1	1989.8	1961.6	1925.5	1881.6	1830.2
-62.5°	1661.7	1685.0	1698.9	1703.6	1698.9	1685.0	1661.7	1629.3	1587.8	1537.4	1478.3
-65°	1256.5	1276.8	1288.9	1293.0	1288.9	1276.8	1256.5	1228.3	1192.1	1148.2	1096.5
-67.5°	866.8	881.8	890.8	893.8	890.8	881.8	866.8	845.8	819.0	786.3	747.9
-70°	544.4	553.3	558.7	560.5	558.7	553.3	544.4	532.0	516.0	496.5	473.7
-72.5°	324.7	330.4	333.9	335.0	333.9	330.4	324.7	316.8	306.5	294.1	279.5
-75°	163.4	166.4	168.1	168.7	168.1	166.4	163.4	159.3	154.1	147.7	140.2
-77.5°	66.5	67.5	68.1	68.3	68.1	67.5	66.5	65.2	63.4	61.3	58.8
-80°	27.4	27.7	27.9	28.0	27.9	27.7	27.4	26.9	26.3	25.5	24.6
-82.5°	9.8	9.9	9.9	9.9	9.9	9.9	9.8	9.7	9.6	9.5	9.3
-85°	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.7	5.7
-87.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.8	4.8	4.7	4.7
-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: P1212115 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-100R-40-90-4S-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°	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.6	3.5
85°	5.7	5.7	5.6	5.6	5.6	5.5	5.5	5.4	5.4	5.3	5.3
82.5°	9.2	9.0	8.7	8.5	8.2	8.0	7.7	7.3	7.0	6.7	6.3
80°	23.6	22.4	21.2	19.7	18.2	16.6	14.8	12.9	10.9	9.7	9.2
77.5°	56.0	52.7	49.2	45.2	41.0	36.3	31.4	27.2	24.7	22.1	19.3
75°	131.6	121.9	111.1	99.3	86.5	72.7	64.1	57.8	51.1	44.1	36.8
72.5°	262.7	243.9	222.9	199.9	175.0	156.3	139.0	120.6	101.1	80.7	64.7
70°	447.5	418.0	385.3	349.5	317.0	286.1	253.2	218.2	181.3	152.9	128.4
67.5°	703.9	654.5	599.6	546.3	502.3	454.9	404.3	350.7	304.9	261.0	215.3
65°	1037.3	970.8	897.2	829.3	756.4	678.0	594.4	523.5	460.3	394.1	327.5
62.5°	1410.5	1334.4	1251.3	1161.8	1064.8	960.8	857.1	759.1	655.8	551.8	475.4
60°	1771.3	1705.2	1612.6	1511.1	1401.2	1283.7	1161.8	1032.8	897.2	778.0	654.5
57.5°	2057.7	1995.6	1915.4	1827.9	1733.4	1612.6	1475.7	1330.9	1182.0	1027.5	871.0
55°	2281.4	2219.8	2154.1	2082.6	1998.4	1888.3	1771.3	1632.7	1467.9	1295.8	1121.7
52.5°	2543.2	2466.3	2381.4	2289.1	2202.1	2112.6	2014.9	1881.6	1741.9	1567.0	1374.6
50°	2884.5	2773.6	2651.7	2528.1	2420.6	2305.9	2197.8	2090.3	1961.6	1805.4	1627.1
47.5°	3280.8	3138.7	2982.6	2832.4	2678.7	2525.1	2394.8	2259.5	2139.2	2010.1	1837.4
45°	3684.2	3530.2	3361.5	3179.1	2983.6	2800.9	2615.9	2454.8	2302.4	2163.9	2026.3
42.5°	4202.9	3956.0	3736.1	3539.7	3329.8	3107.6	2883.6	2677.0	2485.1	2317.3	2163.9
40°	5490.8	4558.6	4234.0	3921.0	3669.6	3432.0	3183.0	2925.3	2697.5	2485.1	2302.4
37.5°	8273.1	6519.3	5426.8	4437.2	4080.6	3748.7	3483.7	3208.3	2925.3	2677.0	2454.8
35°	12742.0	10240.3	7738.8	6017.5	4686.5	4161.4	3775.2	3483.7	3183.0	2883.6	2615.9
32.5°	18171.6	14962.5	11582.2	8720.9	6316.6	4832.1	4161.4	3748.7	3432.0	3107.6	2800.9
30°	23916.7	20175.1	16321.8	12374.9	9051.2	6316.6	4686.5	4080.6	3669.6	3329.8	2983.6
27.5°	29882.7	25516.6	21202.0	16779.5	12374.9	8720.9	6017.5	4437.2	3921.0	3539.7	3179.1
25°	36328.4	31094.5	26099.6	21202.0	16321.8	11582.2	7738.8	5426.8	4234.0	3736.1	3361.5
22.5°	43477.9	37093.8	31094.5	25516.6	20175.1	14962.5	10240.3	6519.3	4558.6	3956.0	3530.2
20°	52436.4	43477.9	36328.4	29882.7	23916.7	18171.6	12742.0	8273.1	5490.8	4202.9	3684.2
17.5°	63131.6	51260.7	41531.2	34064.8	27505.1	21324.7	15449.5	10211.6	6331.7	4425.1	3822.4
15°	74183.3	59699.1	47794.4	38405.0	30837.5	24154.6	17857.7	11944.9	7317.0	4897.0	3995.1
12.5°	86127.1	68465.7	53558.4	42212.0	33883.5	26717.3	20076.1	13865.1	8684.3	5487.2	4150.3
10°	97137.0	76789.3	59824.3	46659.6	36817.8	28954.4	21964.7	15464.1	9820.4	5976.7	4278.8
7.5°	108440.1	84318.1	65286.4	50219.5	39153.0	30728.8	23458.5	16726.0	10715.3	6361.7	4379.8
5°	116837.7	89868.6	69290.0	52817.2	40851.3	32015.6	24539.5	17637.5	11360.8	6639.0	4452.4
2.5°	122019.6	93273.8	71735.8	54399.1	41882.9	32795.8	25193.9	18188.6	11750.6	6806.4	4496.3
0°	123772.3	94422.0	72558.6	54930.4	42228.9	33057.2	25413.0	18373.0	11881.0	6862.3	4510.9
-2.5°	122019.6	93273.8	71735.8	54399.1	41882.9	32795.8	25193.9	18188.6	11750.6	6806.4	4496.3
-5°	116837.7	89868.6	69290.0	52817.2	40851.3	32015.6	24539.5	17637.5	11360.8	6639.0	4452.4
-7.5°	108440.1	84318.1	65286.4	50219.5	39153.0	30728.8	23458.5	16726.0	10715.3	6361.7	4379.8
-10°	97137.0	76789.3	59824.3	46659.6	36817.8	28954.4	21964.7	15464.1	9820.4	5976.7	4278.8
-12.5°	86127.1	68465.7	53558.4	42212.0	33883.5	26717.3	20076.1	13865.1	8684.3	5487.2	4150.3
-15°	74183.3	59699.1	47794.4	38405.0	30837.5	24154.6	17857.7	11944.9	7317.0	4897.0	3995.1
-17.5°	63131.6	51260.7	41531.2	34064.8	27505.1	21324.7	15449.5	10211.6	6331.7	4425.1	3822.4
-20°	52436.4	43477.9	36328.4	29882.7	23916.7	18171.6	12742.0	8273.1	5490.8	4202.9	3684.2



REPORT NUMBER: P1212115 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-40-90-4S-HEG

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	43477.9	37093.8	31094.5	25516.6	20175.1	14962.5	10240.3	6519.3	4558.6	3956.0	3530.2
-25°	36328.4	31094.5	26099.6	21202.0	16321.8	11582.2	7738.8	5426.8	4234.0	3736.1	3361.5
-27.5°	29882.7	25516.6	21202.0	16779.5	12374.9	8720.9	6017.5	4437.2	3921.0	3539.7	3179.1
-30°	23916.7	20175.1	16321.8	12374.9	9051.2	6316.6	4686.5	4080.6	3669.6	3329.8	2983.6
-32.5°	18171.6	14962.5	11582.2	8720.9	6316.6	4832.1	4161.4	3748.7	3432.0	3107.6	2800.9
-35°	12742.0	10240.3	7738.8	6017.5	4686.5	4161.4	3775.2	3483.7	3183.0	2883.6	2615.9
-37.5°	8273.1	6519.3	5426.8	4437.2	4080.6	3748.7	3483.7	3208.3	2925.3	2677.0	2454.8
-40°	5490.8	4558.6	4234.0	3921.0	3669.6	3432.0	3183.0	2925.3	2697.5	2485.1	2302.4
-42.5°	4202.9	3956.0	3736.1	3539.7	3329.8	3107.6	2883.6	2677.0	2485.1	2317.3	2163.9
-45°	3684.2	3530.2	3361.5	3179.1	2983.6	2800.9	2615.9	2454.8	2302.4	2163.9	2026.3
-47.5°	3280.8	3138.7	2982.6	2832.4	2678.7	2525.1	2394.8	2259.5	2139.2	2010.1	1837.4
-50°	2884.5	2773.6	2651.7	2528.1	2420.6	2305.9	2197.8	2090.3	1961.6	1805.4	1627.1
-52.5°	2543.2	2466.3	2381.4	2289.1	2202.1	2112.6	2014.9	1881.6	1741.9	1567.0	1374.6
-55°	2281.4	2219.8	2154.1	2082.6	1998.4	1888.3	1771.3	1632.7	1467.9	1295.8	1121.7
-57.5°	2057.7	1995.6	1915.4	1827.9	1733.4	1612.6	1475.7	1330.9	1182.0	1027.5	871.0
-60°	1771.3	1705.2	1612.6	1511.1	1401.2	1283.7	1161.8	1032.8	897.2	778.0	654.5
-62.5°	1410.5	1334.4	1251.3	1161.8	1064.8	960.8	857.1	759.1	655.8	551.8	475.4
-65°	1037.3	970.8	897.2	829.3	756.4	678.0	594.4	523.5	460.3	394.1	327.5
-67.5°	703.9	654.5	599.6	546.3	502.3	454.9	404.3	350.7	304.9	261.0	215.3
-70°	447.5	418.0	385.3	349.5	317.0	286.1	253.2	218.2	181.3	152.9	128.4
-72.5°	262.7	243.9	222.9	199.9	175.0	156.3	139.0	120.6	101.1	80.7	64.7
-75°	131.6	121.9	111.1	99.3	86.5	72.7	64.1	57.8	51.1	44.1	36.8
-77.5°	56.0	52.7	49.2	45.2	41.0	36.3	31.4	27.2	24.7	22.1	19.3
-80°	23.6	22.4	21.2	19.7	18.2	16.6	14.8	12.9	10.9	9.7	9.2
-82.5°	9.2	9.0	8.7	8.5	8.2	8.0	7.7	7.3	7.0	6.7	6.3
-85°	5.7	5.7	5.6	5.6	5.6	5.5	5.5	5.4	5.4	5.3	5.3
-87.5°	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.9	3.8	3.6	3.5
-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: P1212115 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-40-90-4S-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°	3.3	3.1	3.0	2.8	2.6	2.4	2.3	2.1	1.9	1.7	1.5
85°	5.2	5.2	5.1	5.0	5.0	4.9	4.5	4.1	3.7	3.3	2.9
82.5°	5.9	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.9	4.4
80°	8.6	8.1	7.6	7.0	6.4	5.8	5.7	5.5	5.4	5.2	5.1
77.5°	16.5	13.5	10.4	9.3	8.6	7.8	7.0	6.2	5.7	5.5	5.3
75°	29.1	24.9	21.2	17.4	13.5	9.8	8.9	7.9	6.9	5.9	5.6
72.5°	55.7	46.5	36.8	27.5	22.9	18.2	13.4	9.6	8.4	7.3	6.1
70°	102.8	76.3	60.5	49.2	37.5	26.9	21.4	15.8	10.1	8.6	7.3
67.5°	168.0	138.2	107.3	75.5	58.1	44.6	30.9	23.0	16.6	10.1	8.4
65°	274.4	219.4	165.0	129.7	93.4	63.4	48.2	32.7	23.0	15.8	9.6
62.5°	396.1	319.4	256.9	192.5	143.2	102.4	65.2	48.2	30.9	21.4	13.4
60°	537.3	447.5	354.9	279.5	207.5	147.7	102.4	63.4	44.6	26.9	18.2
57.5°	731.7	587.7	478.6	375.6	287.1	207.5	143.2	93.4	58.1	37.5	22.9
55°	941.6	778.4	618.7	489.0	375.6	279.5	192.5	129.7	75.5	49.2	27.5
52.5°	1178.8	979.3	794.1	618.7	478.6	354.9	256.9	165.0	107.3	60.5	36.8
50°	1414.3	1197.9	979.3	778.4	587.7	447.5	319.4	219.4	138.2	76.3	46.5
47.5°	1647.2	1414.3	1178.8	941.6	731.7	537.3	396.1	274.4	168.0	102.8	55.7
45°	1837.4	1627.1	1374.6	1121.7	871.0	654.5	475.4	327.5	215.3	128.4	64.7
42.5°	2010.1	1805.4	1567.0	1295.8	1027.5	778.0	551.8	394.1	261.0	152.9	80.7
40°	2139.2	1961.6	1741.9	1467.9	1182.0	897.2	655.8	460.3	304.9	181.3	101.1
37.5°	2259.5	2090.3	1881.6	1632.7	1330.9	1032.8	759.1	523.5	350.7	218.2	120.6
35°	2394.8	2197.8	2014.9	1771.3	1475.7	1161.8	857.1	594.4	404.3	253.2	139.0
32.5°	2525.1	2305.9	2112.6	1888.3	1612.6	1283.7	960.8	678.0	454.9	286.1	156.3
30°	2678.7	2420.6	2202.1	1998.4	1733.4	1401.2	1064.8	756.4	502.3	317.0	175.0
27.5°	2832.4	2528.1	2289.1	2082.6	1827.9	1511.1	1161.8	829.3	546.3	349.5	199.9
25°	2982.6	2651.7	2381.4	2154.1	1915.4	1612.6	1251.3	897.2	599.6	385.3	222.9
22.5°	3138.7	2773.6	2466.3	2219.8	1995.6	1705.2	1334.4	970.8	654.5	418.0	243.9
20°	3280.8	2884.5	2543.2	2281.4	2057.7	1771.3	1410.5	1037.3	703.9	447.5	262.7
17.5°	3408.3	2992.3	2630.4	2344.4	2106.2	1830.2	1478.3	1096.5	747.9	473.7	279.5
15°	3520.5	3095.4	2710.4	2399.7	2148.7	1881.6	1537.4	1148.2	786.3	496.5	294.1
12.5°	3616.6	3183.6	2778.8	2446.8	2184.9	1925.5	1587.8	1192.1	819.0	516.0	306.5
10°	3696.1	3256.4	2835.2	2485.7	2214.7	1961.6	1629.3	1228.3	845.8	532.0	316.8
7.5°	3758.5	3313.5	2879.3	2516.1	2238.0	1989.8	1661.7	1256.5	866.8	544.4	324.7
5°	3803.3	3354.5	2911.0	2538.0	2254.8	2010.1	1685.0	1276.8	881.8	553.3	330.4
2.5°	3830.4	3379.2	2930.1	2551.1	2264.8	2022.2	1698.9	1288.9	890.8	558.7	333.9
0°	<b>3839.4</b>	<b>3387.5</b>	<b>2936.5</b>	<b>2555.5</b>	<b>2268.2</b>	<b>2026.3</b>	<b>1703.6</b>	<b>1293.0</b>	<b>893.8</b>	<b>560.5</b>	<b>335.0</b>
-2.5°	3830.4	3379.2	2930.1	2551.1	2264.8	2022.2	1698.9	1288.9	890.8	558.7	333.9
-5°	3803.3	3354.5	2911.0	2538.0	2254.8	2010.1	1685.0	1276.8	881.8	553.3	330.4
-7.5°	3758.5	3313.5	2879.3	2516.1	2238.0	1989.8	1661.7	1256.5	866.8	544.4	324.7
-10°	3696.1	3256.4	2835.2	2485.7	2214.7	1961.6	1629.3	1228.3	845.8	532.0	316.8
-12.5°	3616.6	3183.6	2778.8	2446.8	2184.9	1925.5	1587.8	1192.1	819.0	516.0	306.5
-15°	3520.5	3095.4	2710.4	2399.7	2148.7	1881.6	1537.4	1148.2	786.3	496.5	294.1
-17.5°	3408.3	2992.3	2630.4	2344.4	2106.2	1830.2	1478.3	1096.5	747.9	473.7	279.5
-20°	3280.8	2884.5	2543.2	2281.4	2057.7	1771.3	1410.5	1037.3	703.9	447.5	262.7



REPORT NUMBER: P1212115 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-40-90-4S-HEG

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3138.7	2773.6	2466.3	2219.8	1995.6	1705.2	1334.4	970.8	654.5	418.0	243.9
-25°	2982.6	2651.7	2381.4	2154.1	1915.4	1612.6	1251.3	897.2	599.6	385.3	222.9
-27.5°	2832.4	2528.1	2289.1	2082.6	1827.9	1511.1	1161.8	829.3	546.3	349.5	199.9
-30°	2678.7	2420.6	2202.1	1998.4	1733.4	1401.2	1064.8	756.4	502.3	317.0	175.0
-32.5°	2525.1	2305.9	2112.6	1888.3	1612.6	1283.7	960.8	678.0	454.9	286.1	156.3
-35°	2394.8	2197.8	2014.9	1771.3	1475.7	1161.8	857.1	594.4	404.3	253.2	139.0
-37.5°	2259.5	2090.3	1881.6	1632.7	1330.9	1032.8	759.1	523.5	350.7	218.2	120.6
-40°	2139.2	1961.6	1741.9	1467.9	1182.0	897.2	655.8	460.3	304.9	181.3	101.1
-42.5°	2010.1	1805.4	1567.0	1295.8	1027.5	778.0	551.8	394.1	261.0	152.9	80.7
-45°	1837.4	1627.1	1374.6	1121.7	871.0	654.5	475.4	327.5	215.3	128.4	64.7
-47.5°	1647.2	1414.3	1178.8	941.6	731.7	537.3	396.1	274.4	168.0	102.8	55.7
-50°	1414.3	1197.9	979.3	778.4	587.7	447.5	319.4	219.4	138.2	76.3	46.5
-52.5°	1178.8	979.3	794.1	618.7	478.6	354.9	256.9	165.0	107.3	60.5	36.8
-55°	941.6	778.4	618.7	489.0	375.6	279.5	192.5	129.7	75.5	49.2	27.5
-57.5°	731.7	587.7	478.6	375.6	287.1	207.5	143.2	93.4	58.1	37.5	22.9
-60°	537.3	447.5	354.9	279.5	207.5	147.7	102.4	63.4	44.6	26.9	18.2
-62.5°	396.1	319.4	256.9	192.5	143.2	102.4	65.2	48.2	30.9	21.4	13.4
-65°	274.4	219.4	165.0	129.7	93.4	63.4	48.2	32.7	23.0	15.8	9.6
-67.5°	168.0	138.2	107.3	75.5	58.1	44.6	30.9	23.0	16.6	10.1	8.4
-70°	102.8	76.3	60.5	49.2	37.5	26.9	21.4	15.8	10.1	8.6	7.3
-72.5°	55.7	46.5	36.8	27.5	22.9	18.2	13.4	9.6	8.4	7.3	6.1
-75°	29.1	24.9	21.2	17.4	13.5	9.8	8.9	7.9	6.9	5.9	5.6
-77.5°	16.5	13.5	10.4	9.3	8.6	7.8	7.0	6.2	5.7	5.5	5.3
-80°	8.6	8.1	7.6	7.0	6.4	5.8	5.7	5.5	5.4	5.2	5.1
-82.5°	5.9	5.7	5.6	5.5	5.4	5.3	5.2	5.1	5.0	4.9	4.4
-85°	5.2	5.2	5.1	5.0	5.0	4.9	4.5	4.1	3.7	3.3	2.9
-87.5°	3.3	3.1	3.0	2.8	2.6	2.4	2.3	2.1	1.9	1.7	1.5
-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: P1212115 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-40-90-4S-HEG

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.3	1.1	0.9	0.6	0.4	0.2	0.0
85°	2.5	2.1	1.7	1.3	0.9	0.4	0.0
82.5°	3.8	3.2	2.5	1.9	1.3	0.6	0.0
80°	4.9	4.2	3.4	2.5	1.7	0.9	0.0
77.5°	5.2	5.0	4.2	3.2	2.1	1.1	0.0
75°	5.4	5.2	4.9	3.8	2.5	1.3	0.0
72.5°	5.6	5.3	5.1	4.4	2.9	1.5	0.0
70°	5.9	5.5	5.2	4.9	3.3	1.7	0.0
67.5°	6.9	5.7	5.4	5.0	3.7	1.9	0.0
65°	7.9	6.2	5.5	5.1	4.1	2.1	0.0
62.5°	8.9	7.0	5.7	5.2	4.5	2.3	0.0
60°	9.8	7.8	5.8	5.3	4.9	2.4	0.0
57.5°	13.5	8.6	6.4	5.4	5.0	2.6	0.0
55°	17.4	9.3	7.0	5.5	5.0	2.8	0.0
52.5°	21.2	10.4	7.6	5.6	5.1	3.0	0.0
50°	24.9	13.5	8.1	5.7	5.2	3.1	0.0
47.5°	29.1	16.5	8.6	5.9	5.2	3.3	0.0
45°	36.8	19.3	9.2	6.3	5.3	3.5	0.0
42.5°	44.1	22.1	9.7	6.7	5.3	3.6	0.0
40°	51.1	24.7	10.9	7.0	5.4	3.8	0.0
37.5°	57.8	27.2	12.9	7.3	5.4	3.9	0.0
35°	64.1	31.4	14.8	7.7	5.5	4.0	0.0
32.5°	72.7	36.3	16.6	8.0	5.5	4.1	0.0
30°	86.5	41.0	18.2	8.2	5.6	4.2	0.0
27.5°	99.3	45.2	19.7	8.5	5.6	4.3	0.0
25°	111.1	49.2	21.2	8.7	5.6	4.4	0.0
22.5°	121.9	52.7	22.4	9.0	5.7	4.5	0.0
20°	131.6	56.0	23.6	9.2	5.7	4.6	0.0
17.5°	140.2	58.8	24.6	9.3	5.7	4.7	0.0
15°	147.7	61.3	25.5	9.5	5.7	4.7	0.0
12.5°	154.1	63.4	26.3	9.6	5.8	4.8	0.0
10°	159.3	65.2	26.9	9.7	5.8	4.8	0.0
7.5°	163.4	66.5	27.4	9.8	5.8	4.9	0.0
5°	166.4	67.5	27.7	9.9	5.8	4.9	0.0
2.5°	168.1	68.1	27.9	9.9	5.8	4.9	0.0
0°	168.7	68.3	28.0	9.9	5.8	4.9	0.0
-2.5°	168.1	68.1	27.9	9.9	5.8	4.9	0.0
-5°	166.4	67.5	27.7	9.9	5.8	4.9	0.0
-7.5°	163.4	66.5	27.4	9.8	5.8	4.9	0.0
-10°	159.3	65.2	26.9	9.7	5.8	4.8	0.0
-12.5°	154.1	63.4	26.3	9.6	5.8	4.8	0.0
-15°	147.7	61.3	25.5	9.5	5.7	4.7	0.0
-17.5°	140.2	58.8	24.6	9.3	5.7	4.7	0.0
-20°	131.6	56.0	23.6	9.2	5.7	4.6	0.0



REPORT NUMBER: P1212115 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-40-90-4S-HEG

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	121.9	52.7	22.4	9.0	5.7	4.5	0.0
-25°	111.1	49.2	21.2	8.7	5.6	4.4	0.0
-27.5°	99.3	45.2	19.7	8.5	5.6	4.3	0.0
-30°	86.5	41.0	18.2	8.2	5.6	4.2	0.0
-32.5°	72.7	36.3	16.6	8.0	5.5	4.1	0.0
-35°	64.1	31.4	14.8	7.7	5.5	4.0	0.0
-37.5°	57.8	27.2	12.9	7.3	5.4	3.9	0.0
-40°	51.1	24.7	10.9	7.0	5.4	3.8	0.0
-42.5°	44.1	22.1	9.7	6.7	5.3	3.6	0.0
-45°	36.8	19.3	9.2	6.3	5.3	3.5	0.0
-47.5°	29.1	16.5	8.6	5.9	5.2	3.3	0.0
-50°	24.9	13.5	8.1	5.7	5.2	3.1	0.0
-52.5°	21.2	10.4	7.6	5.6	5.1	3.0	0.0
-55°	17.4	9.3	7.0	5.5	5.0	2.8	0.0
-57.5°	13.5	8.6	6.4	5.4	5.0	2.6	0.0
-60°	9.8	7.8	5.8	5.3	4.9	2.4	0.0
-62.5°	8.9	7.0	5.7	5.2	4.5	2.3	0.0
-65°	7.9	6.2	5.5	5.1	4.1	2.1	0.0
-67.5°	6.9	5.7	5.4	5.0	3.7	1.9	0.0
-70°	5.9	5.5	5.2	4.9	3.3	1.7	0.0
-72.5°	5.6	5.3	5.1	4.4	2.9	1.5	0.0
-75°	5.4	5.2	4.9	3.8	2.5	1.3	0.0
-77.5°	5.2	5.0	4.2	3.2	2.1	1.1	0.0
-80°	4.9	4.2	3.4	2.5	1.7	0.9	0.0
-82.5°	3.8	3.2	2.5	1.9	1.3	0.6	0.0
-85°	2.5	2.1	1.7	1.3	0.9	0.4	0.0
-87.5°	1.3	1.1	0.9	0.6	0.4	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)