

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: P1212205 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-57-80-4S-HEG**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212205 (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-57-80-4S-HEG
Description: EPHESUS LS12 LUMINAIRE
(12) 5700K, 80 CRI LEDS AND 4S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

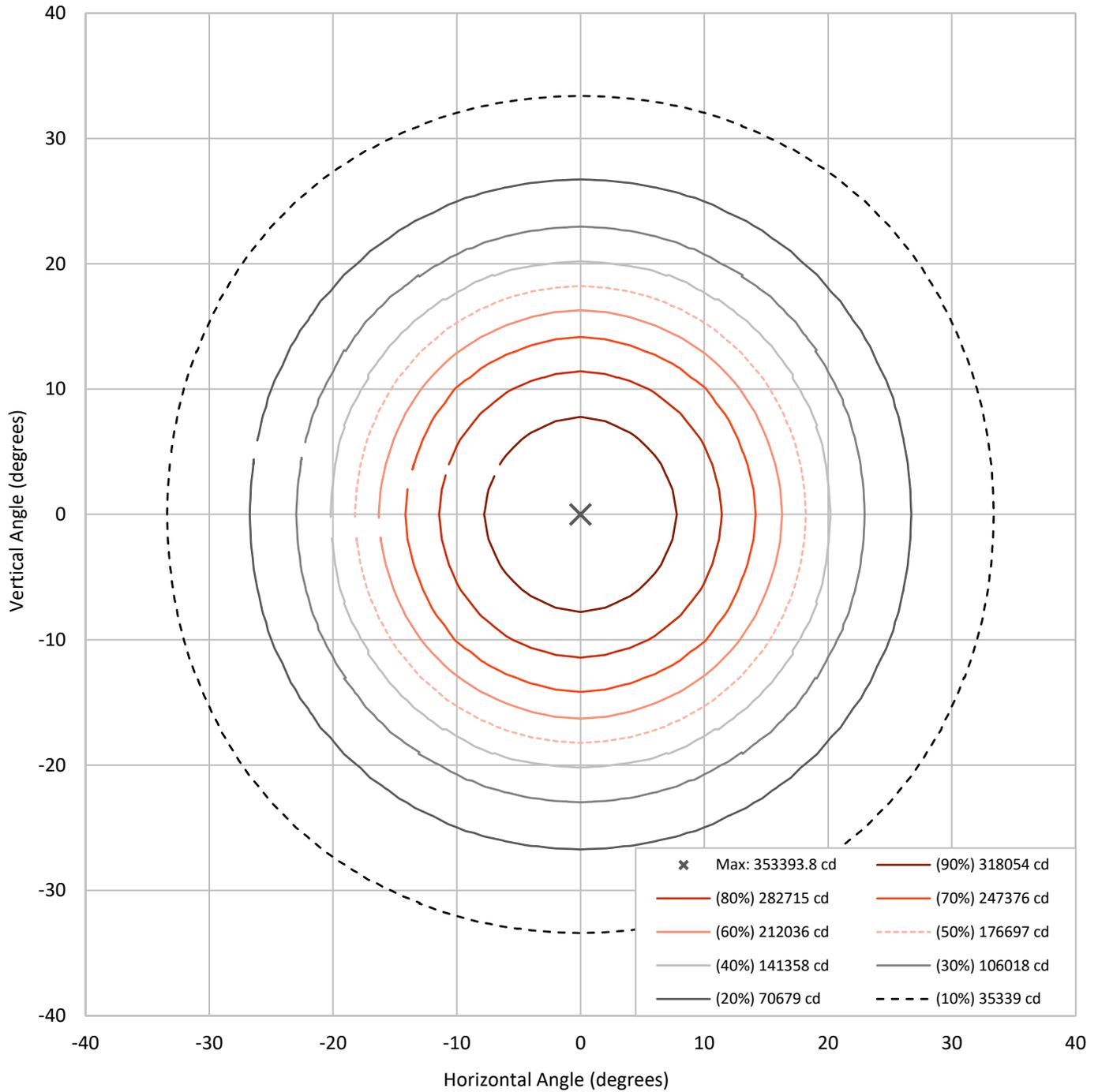
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	161334.6 lumens	Max Intensity:	353393.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	155.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	36.4°H x 36.4°V	Field Angle (10%):	66.7°H x 66.7°V
Beam Lumens:	81843.9 lumens	Field Lumens:	141277.9 lumens
Beam Efficiency:	50.7%	Field Efficiency:	87.6%

Input Watts (W): 1041
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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CATALOG NUMBER: EPH-LS12-1000R-57-80-4S-HEG

Iso-Candela Plot





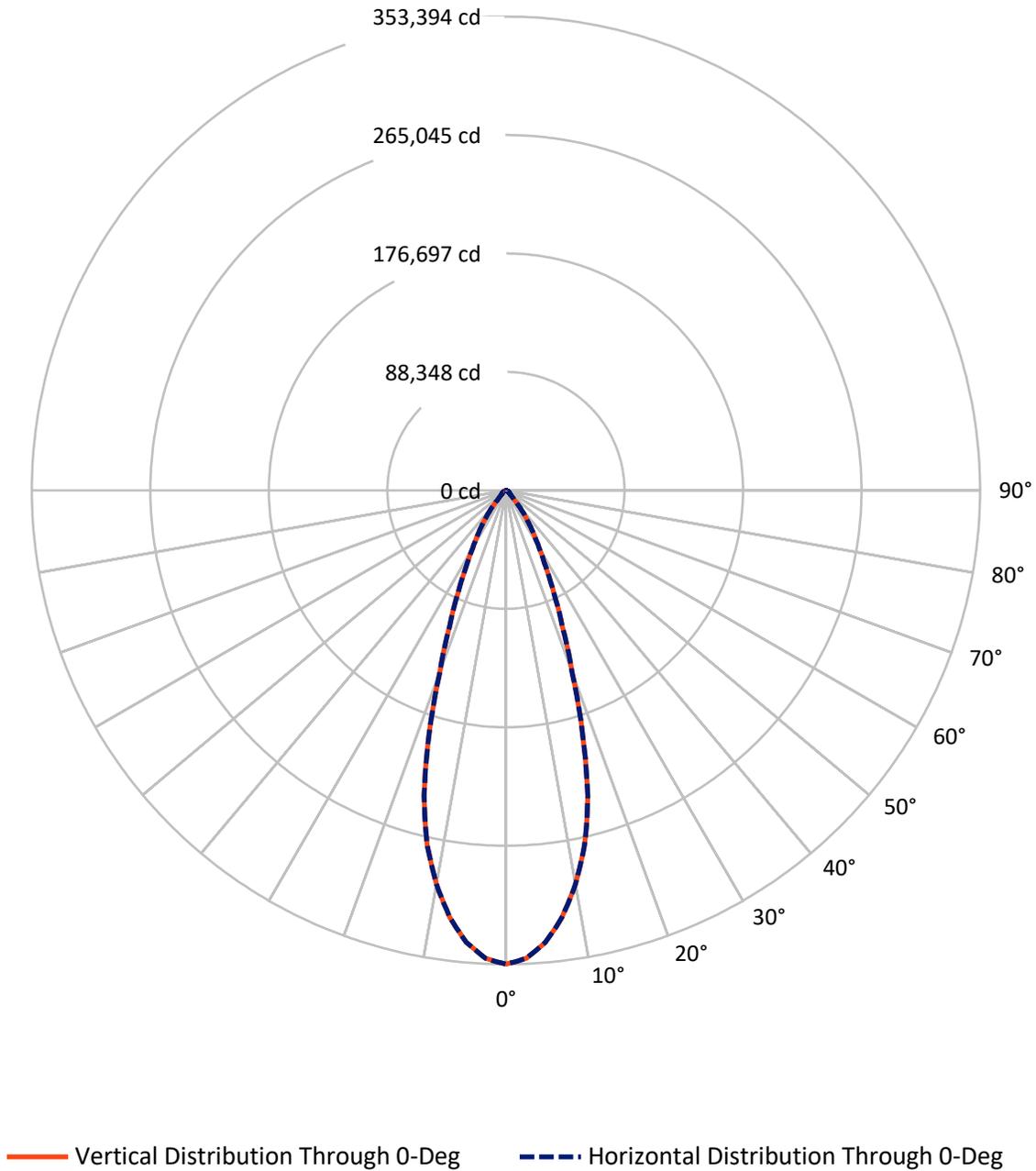
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Lumen Table

90																
80	0.1	0.7		4.2		11.7		15.6		11.7		4.2		0.7		0.1
70																
60	0.3	0.6	3.0	9.0	18.7	30.0	39.7	45.0	45.0	39.7	30.0	18.7	9.0	3.0	0.6	0.3
50		2.3	10.7	28.4	50.1	68.7	83.1	91.3	91.3	83.1	68.7	50.1	28.4	10.7	2.3	
40	1.5	5.5	23.2	49.9	77.1	109.0	151.9	194.2	194.2	151.9	109.0	77.1	49.9	23.2	5.5	1.5
30		10.0	35.4	66.7	116.5	290.5	622.1	872.5	872.5	622.1	290.5	116.5	66.7	35.4	10.0	
20	3.5	14.5	43.8	85.4	264.4	849.1	1699.2	2519.8	2519.8	1699.2	849.1	264.4	85.4	43.8	14.5	3.5
10		18.0	49.8	112.4	533.1	1600.2	3891.2	6447.5	6447.5	3891.2	1600.2	533.1	112.4	49.8	18.0	
0	4.5	19.7	53.1	140.2	725.3	2306.8	6266.3	9556.4	9556.4	6266.3	2306.8	725.3	140.2	53.1	19.7	4.5
-10		19.7	53.1	140.2	725.3	2306.8	6266.3	9556.4	9556.4	6266.3	2306.8	725.3	140.2	53.1	19.7	
-20	3.5	18.0	49.8	112.4	533.1	1600.2	3891.2	6447.5	6447.5	3891.2	1600.2	533.1	112.4	49.8	18.0	3.5
-30		14.5	43.8	85.4	264.4	849.1	1699.2	2519.8	2519.8	1699.2	849.1	264.4	85.4	43.8	14.5	
-40	1.5	10.0	35.4	66.7	116.5	290.5	622.1	872.5	872.5	622.1	290.5	116.5	66.7	35.4	10.0	1.5
-50		5.5	23.2	49.9	77.1	109.0	151.9	194.2	194.2	151.9	109.0	77.1	49.9	23.2	5.5	
-60	0.3	2.3	10.7	28.4	50.1	68.7	83.1	91.3	91.3	83.1	68.7	50.1	28.4	10.7	2.3	0.3
-70		0.6	3.0	9.0	18.7	30.0	39.7	45.0	45.0	39.7	30.0	18.7	9.0	3.0	0.6	
-80																
-90	0.1	0.7		4.2		11.7		15.6		11.7		4.2		0.7		0.1

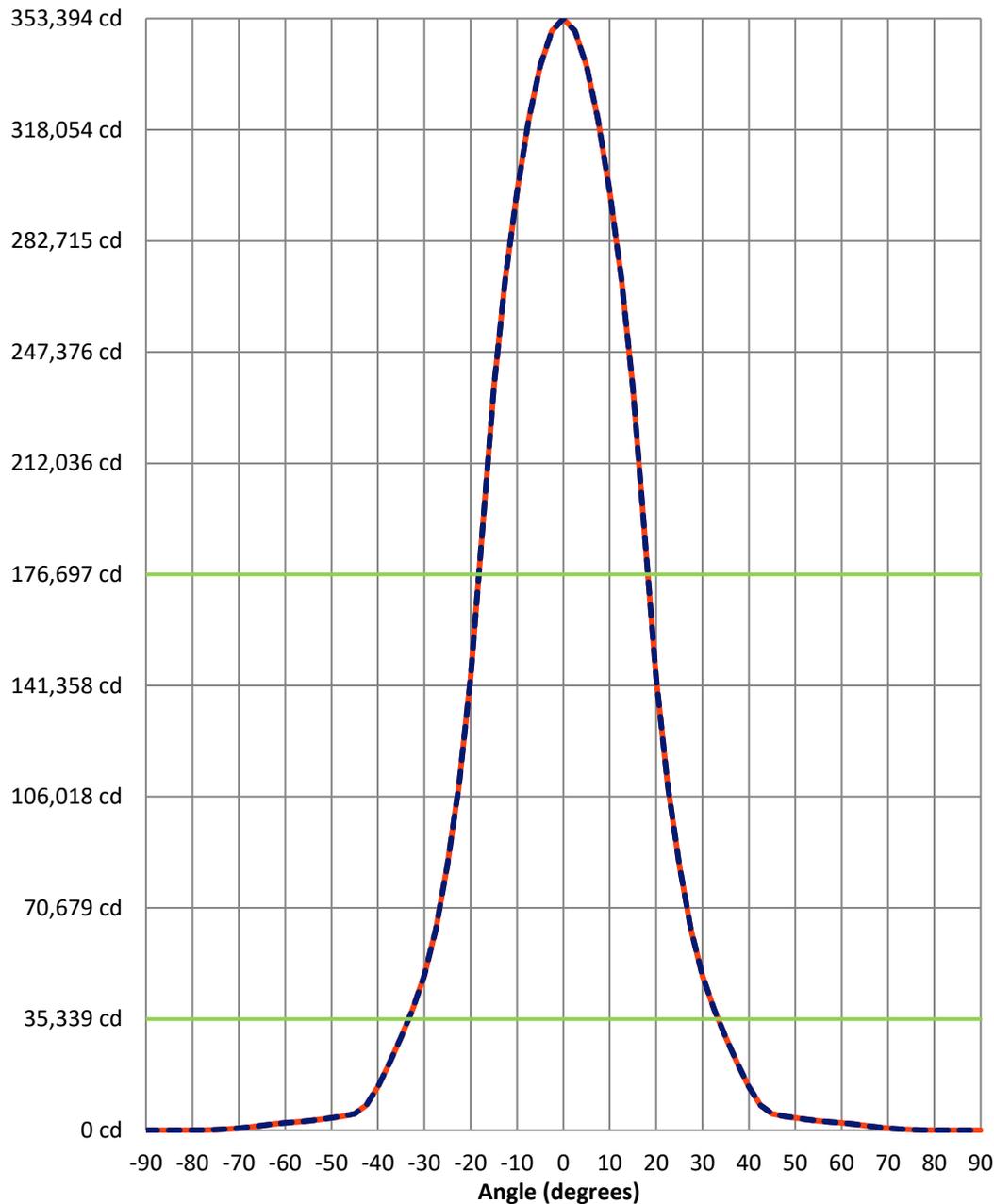
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 36.4°
 V Angle: 36.4°
 Lumens: 81843.9
 Efficiency: 50.7%

Field:
 H Angle: 66.7°
 V Angle: 66.7°
 Lumens: 141277.9
 Efficiency: 87.6%

Spill:
 Lumens: 20056.7
 Efficiency: 12.4%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	1.9	2.2	2.4
85°	0.0	0.5	1.0	1.5	2.0	2.5	2.9	3.4	3.9	4.4	4.8
82.5°	0.0	0.7	1.5	2.2	3.0	3.7	4.4	5.1	5.7	5.8	6.0
80°	0.0	1.0	2.0	3.0	3.9	4.9	5.7	5.9	6.1	6.2	6.4
77.5°	0.0	1.2	2.5	3.7	4.9	5.8	6.0	6.2	6.4	6.6	7.2
75°	0.0	1.5	2.9	4.4	5.7	6.0	6.2	6.5	6.9	8.0	9.2
72.5°	0.0	1.7	3.4	5.1	5.9	6.2	6.5	7.1	8.4	9.8	11.1
70°	0.0	1.9	3.9	5.7	6.1	6.4	6.9	8.4	10.0	11.7	18.3
67.5°	0.0	2.2	4.4	5.8	6.2	6.6	8.0	9.8	11.7	19.2	26.7
65°	0.0	2.4	4.8	6.0	6.4	7.2	9.2	11.1	18.3	26.7	37.9
62.5°	0.0	2.6	5.3	6.1	6.5	8.1	10.3	15.5	24.8	35.8	56.1
60°	0.0	2.8	5.7	6.2	6.7	9.0	11.4	21.1	31.2	51.9	73.8
57.5°	0.0	3.1	5.8	6.3	7.4	9.9	15.6	26.6	43.6	67.6	108.7
55°	0.0	3.3	5.8	6.4	8.1	10.8	20.2	31.9	57.2	87.9	150.8
52.5°	0.0	3.5	5.9	6.5	8.8	12.1	24.6	42.8	70.4	124.9	191.9
50°	0.0	3.7	6.0	6.6	9.4	15.7	28.9	54.0	88.8	160.7	255.2
47.5°	0.0	3.9	6.1	6.8	10.0	19.1	33.8	64.9	119.6	195.4	319.2
45°	0.0	4.0	6.1	7.3	10.6	22.4	42.8	75.3	149.3	250.3	380.9
42.5°	0.0	4.2	6.2	7.7	11.2	25.6	51.3	93.9	177.8	303.6	458.3
40°	0.0	4.4	6.2	8.1	12.7	28.7	59.5	117.7	210.8	354.5	535.4
37.5°	0.0	4.5	6.3	8.5	15.0	31.6	67.3	140.3	253.8	407.9	608.9
35°	0.0	4.7	6.3	8.9	17.2	36.5	74.6	161.7	294.5	470.3	691.3
32.5°	0.0	4.8	6.4	9.2	19.2	42.2	84.6	181.8	332.8	529.1	788.6
30°	0.0	4.9	6.4	9.6	21.2	47.6	100.6	203.5	368.7	584.2	879.7
27.5°	0.0	5.1	6.5	9.9	22.9	52.6	115.5	232.5	406.4	635.4	964.6
25°	0.0	5.2	6.5	10.1	24.6	57.2	129.3	259.2	448.1	697.4	1043.5
22.5°	0.0	5.3	6.5	10.4	26.0	61.4	141.8	283.6	486.2	761.2	1129.2
20°	0.0	5.4	6.6	10.6	27.4	65.1	153.1	305.6	520.5	818.8	1206.6
17.5°	0.0	5.4	6.6	10.8	28.6	68.5	163.1	325.1	550.9	869.9	1275.4
15°	0.0	5.5	6.6	11.0	29.6	71.4	171.8	342.1	577.5	914.6	1335.4
12.5°	0.0	5.6	6.7	11.2	30.5	73.8	179.2	356.5	600.1	952.5	1386.6
10°	0.0	5.6	6.7	11.3	31.2	75.9	185.3	368.4	618.7	983.8	1428.6
7.5°	0.0	5.7	6.7	11.4	31.8	77.5	190.1	377.6	633.2	1008.1	1461.5
5°	0.0	5.7	6.7	11.4	32.2	78.6	193.5	384.3	643.6	1025.6	1485.0
2.5°	0.0	5.7	6.7	11.5	32.4	79.3	195.5	388.3	649.8	1036.1	1499.2
0°	0.0	5.7	6.7	11.5	32.5	79.5	196.2	389.6	651.9	1039.6	1503.9
-2.5°	0.0	5.7	6.7	11.5	32.4	79.3	195.5	388.3	649.8	1036.1	1499.2
-5°	0.0	5.7	6.7	11.4	32.2	78.6	193.5	384.3	643.6	1025.6	1485.0
-7.5°	0.0	5.7	6.7	11.4	31.8	77.5	190.1	377.6	633.2	1008.1	1461.5
-10°	0.0	5.6	6.7	11.3	31.2	75.9	185.3	368.4	618.7	983.8	1428.6
-12.5°	0.0	5.6	6.7	11.2	30.5	73.8	179.2	356.5	600.1	952.5	1386.6
-15°	0.0	5.5	6.6	11.0	29.6	71.4	171.8	342.1	577.5	914.6	1335.4
-17.5°	0.0	5.4	6.6	10.8	28.6	68.5	163.1	325.1	550.9	869.9	1275.4
-20°	0.0	5.4	6.6	10.6	27.4	65.1	153.1	305.6	520.5	818.8	1206.6



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 CATALOG NUMBER: EPH-LS12-1000R-57-80-4S-HEG

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.3	6.5	10.4	26.0	61.4	141.8	283.6	486.2	761.2	1129.2
-25°	0.0	5.2	6.5	10.1	24.6	57.2	129.3	259.2	448.1	697.4	1043.5
-27.5°	0.0	5.1	6.5	9.9	22.9	52.6	115.5	232.5	406.4	635.4	964.6
-30°	0.0	4.9	6.4	9.6	21.2	47.6	100.6	203.5	368.7	584.2	879.7
-32.5°	0.0	4.8	6.4	9.2	19.2	42.2	84.6	181.8	332.8	529.1	788.6
-35°	0.0	4.7	6.3	8.9	17.2	36.5	74.6	161.7	294.5	470.3	691.3
-37.5°	0.0	4.5	6.3	8.5	15.0	31.6	67.3	140.3	253.8	407.9	608.9
-40°	0.0	4.4	6.2	8.1	12.7	28.7	59.5	117.7	210.8	354.5	535.4
-42.5°	0.0	4.2	6.2	7.7	11.2	25.6	51.3	93.9	177.8	303.6	458.3
-45°	0.0	4.0	6.1	7.3	10.6	22.4	42.8	75.3	149.3	250.3	380.9
-47.5°	0.0	3.9	6.1	6.8	10.0	19.1	33.8	64.9	119.6	195.4	319.2
-50°	0.0	3.7	6.0	6.6	9.4	15.7	28.9	54.0	88.8	160.7	255.2
-52.5°	0.0	3.5	5.9	6.5	8.8	12.1	24.6	42.8	70.4	124.9	191.9
-55°	0.0	3.3	5.8	6.4	8.1	10.8	20.2	31.9	57.2	87.9	150.8
-57.5°	0.0	3.1	5.8	6.3	7.4	9.9	15.6	26.6	43.6	67.6	108.7
-60°	0.0	2.8	5.7	6.2	6.7	9.0	11.4	21.1	31.2	51.9	73.8
-62.5°	0.0	2.6	5.3	6.1	6.5	8.1	10.3	15.5	24.8	35.8	56.1
-65°	0.0	2.4	4.8	6.0	6.4	7.2	9.2	11.1	18.3	26.7	37.9
-67.5°	0.0	2.2	4.4	5.8	6.2	6.6	8.0	9.8	11.7	19.2	26.7
-70°	0.0	1.9	3.9	5.7	6.1	6.4	6.9	8.4	10.0	11.7	18.3
-72.5°	0.0	1.7	3.4	5.1	5.9	6.2	6.5	7.1	8.4	9.8	11.1
-75°	0.0	1.5	2.9	4.4	5.7	6.0	6.2	6.5	6.9	8.0	9.2
-77.5°	0.0	1.2	2.5	3.7	4.9	5.8	6.0	6.2	6.4	6.6	7.2
-80°	0.0	1.0	2.0	3.0	3.9	4.9	5.7	5.9	6.1	6.2	6.4
-82.5°	0.0	0.7	1.5	2.2	3.0	3.7	4.4	5.1	5.7	5.8	6.0
-85°	0.0	0.5	1.0	1.5	2.0	2.5	2.9	3.4	3.9	4.4	4.8
-87.5°	0.0	0.2	0.5	0.7	1.0	1.2	1.5	1.7	1.9	2.2	2.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-LS12-1000R-57-80-4S-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°	2.6	2.8	3.1	3.3	3.5	3.7	3.9	4.0	4.2	4.4	4.5
85°	5.3	5.7	5.8	5.8	5.9	6.0	6.1	6.1	6.2	6.2	6.3
82.5°	6.1	6.2	6.3	6.4	6.5	6.6	6.8	7.3	7.7	8.1	8.5
80°	6.5	6.7	7.4	8.1	8.8	9.4	10.0	10.6	11.2	12.7	15.0
77.5°	8.1	9.0	9.9	10.8	12.1	15.7	19.1	22.4	25.6	28.7	31.6
75°	10.3	11.4	15.6	20.2	24.6	28.9	33.8	42.8	51.3	59.5	67.3
72.5°	15.5	21.1	26.6	31.9	42.8	54.0	64.9	75.3	93.9	117.7	140.3
70°	24.8	31.2	43.6	57.2	70.4	88.8	119.6	149.3	177.8	210.8	253.8
67.5°	35.8	51.9	67.6	87.9	124.9	160.7	195.4	250.3	303.6	354.5	407.9
65°	56.1	73.8	108.7	150.8	191.9	255.2	319.2	380.9	458.3	535.4	608.9
62.5°	75.9	119.1	166.6	223.9	298.7	371.5	460.6	552.9	641.8	762.8	882.9
60°	119.1	171.8	241.4	325.1	412.8	520.5	624.9	761.2	904.9	1043.5	1201.3
57.5°	166.6	241.4	333.9	436.8	556.6	683.6	851.1	1013.1	1195.1	1374.8	1548.0
55°	223.9	325.1	436.8	568.7	719.6	905.4	1095.2	1304.7	1507.1	1707.3	1899.1
52.5°	298.7	412.8	556.6	719.6	923.6	1139.1	1371.1	1598.8	1822.7	2026.2	2188.6
50°	371.5	520.5	683.6	905.4	1139.1	1393.3	1645.0	1892.6	2100.0	2281.6	2431.3
47.5°	460.6	624.9	851.1	1095.2	1371.1	1645.0	1916.0	2137.2	2338.0	2488.2	2628.2
45°	552.9	761.2	1013.1	1304.7	1598.8	1892.6	2137.2	2356.9	2516.9	2678.1	2855.3
42.5°	641.8	904.9	1195.1	1507.1	1822.7	2100.0	2338.0	2516.9	2695.4	2890.5	3113.8
40°	762.8	1043.5	1374.8	1707.3	2026.2	2281.6	2488.2	2678.1	2890.5	3137.7	3402.7
37.5°	882.9	1201.3	1548.0	1899.1	2188.6	2431.3	2628.2	2855.3	3113.8	3402.7	3731.8
35°	996.9	1351.3	1716.4	2060.3	2343.7	2556.4	2785.5	3042.7	3354.1	3702.4	4052.2
32.5°	1117.5	1493.1	1875.8	2196.4	2457.3	2682.2	2937.0	3257.9	3614.8	3992.1	4360.3
30°	1238.5	1629.8	2016.2	2324.5	2561.4	2815.5	3115.8	3470.5	3873.2	4268.4	4746.5
27.5°	1351.3	1757.6	2126.2	2422.4	2662.6	2940.5	3294.5	3697.9	4117.3	4560.7	5161.3
25°	1455.4	1875.8	2227.9	2505.6	2770.0	3084.3	3469.3	3910.0	4345.6	4924.9	6312.4
22.5°	1552.0	1983.5	2321.2	2582.0	2868.6	3226.2	3650.9	4106.2	4601.4	5302.5	7583.1
20°	1640.6	2060.3	2393.4	2653.6	2958.1	3355.2	3816.2	4285.3	4888.7	6386.7	9623.0
17.5°	1719.4	2128.8	2449.9	2727.0	3059.6	3480.6	3964.4	4446.0	5147.2	7364.8	11877.8
15°	1788.3	2188.6	2499.2	2791.2	3152.6	3600.5	4094.9	4646.9	5696.1	8510.9	13893.9
12.5°	1846.9	2239.6	2541.4	2846.0	3232.2	3703.1	4206.7	4827.5	6382.6	10101.3	16127.4
10°	1895.2	2281.6	2576.1	2891.2	3297.8	3787.8	4299.2	4977.0	6952.0	11422.8	17987.3
7.5°	1932.9	2314.5	2603.2	2926.6	3349.2	3854.2	4371.7	5094.5	7399.7	12463.7	19455.2
5°	1959.9	2338.0	2622.7	2952.0	3386.1	3902.0	4423.9	5179.0	7722.3	13214.5	20515.4
2.5°	1976.2	2352.2	2634.4	2967.3	3408.3	3930.7	4455.3	5230.0	7916.9	13667.9	21156.4
0°	1981.6	2356.9	2638.3	2972.4	3415.7	3940.3	4465.8	5247.0	7982.0	13819.6	21370.9
-2.5°	1976.2	2352.2	2634.4	2967.3	3408.3	3930.7	4455.3	5230.0	7916.9	13667.9	21156.4
-5°	1959.9	2338.0	2622.7	2952.0	3386.1	3902.0	4423.9	5179.0	7722.3	13214.5	20515.4
-7.5°	1932.9	2314.5	2603.2	2926.6	3349.2	3854.2	4371.7	5094.5	7399.7	12463.7	19455.2
-10°	1895.2	2281.6	2576.1	2891.2	3297.8	3787.8	4299.2	4977.0	6952.0	11422.8	17987.3
-12.5°	1846.9	2239.6	2541.4	2846.0	3232.2	3703.1	4206.7	4827.5	6382.6	10101.3	16127.4
-15°	1788.3	2188.6	2499.2	2791.2	3152.6	3600.5	4094.9	4646.9	5696.1	8510.9	13893.9
-17.5°	1719.4	2128.8	2449.9	2727.0	3059.6	3480.6	3964.4	4446.0	5147.2	7364.8	11877.8
-20°	1640.6	2060.3	2393.4	2653.6	2958.1	3355.2	3816.2	4285.3	4888.7	6386.7	9623.0



REPORT NUMBER: P1212205 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-80-4S-HEG

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1552.0	1983.5	2321.2	2582.0	2868.6	3226.2	3650.9	4106.2	4601.4	5302.5	7583.1
-25°	1455.4	1875.8	2227.9	2505.6	2770.0	3084.3	3469.3	3910.0	4345.6	4924.9	6312.4
-27.5°	1351.3	1757.6	2126.2	2422.4	2662.6	2940.5	3294.5	3697.9	4117.3	4560.7	5161.3
-30°	1238.5	1629.8	2016.2	2324.5	2561.4	2815.5	3115.8	3470.5	3873.2	4268.4	4746.5
-32.5°	1117.5	1493.1	1875.8	2196.4	2457.3	2682.2	2937.0	3257.9	3614.8	3992.1	4360.3
-35°	996.9	1351.3	1716.4	2060.3	2343.7	2556.4	2785.5	3042.7	3354.1	3702.4	4052.2
-37.5°	882.9	1201.3	1548.0	1899.1	2188.6	2431.3	2628.2	2855.3	3113.8	3402.7	3731.8
-40°	762.8	1043.5	1374.8	1707.3	2026.2	2281.6	2488.2	2678.1	2890.5	3137.7	3402.7
-42.5°	641.8	904.9	1195.1	1507.1	1822.7	2100.0	2338.0	2516.9	2695.4	2890.5	3113.8
-45°	552.9	761.2	1013.1	1304.7	1598.8	1892.6	2137.2	2356.9	2516.9	2678.1	2855.3
-47.5°	460.6	624.9	851.1	1095.2	1371.1	1645.0	1916.0	2137.2	2338.0	2488.2	2628.2
-50°	371.5	520.5	683.6	905.4	1139.1	1393.3	1645.0	1892.6	2100.0	2281.6	2431.3
-52.5°	298.7	412.8	556.6	719.6	923.6	1139.1	1371.1	1598.8	1822.7	2026.2	2188.6
-55°	223.9	325.1	436.8	568.7	719.6	905.4	1095.2	1304.7	1507.1	1707.3	1899.1
-57.5°	166.6	241.4	333.9	436.8	556.6	683.6	851.1	1013.1	1195.1	1374.8	1548.0
-60°	119.1	171.8	241.4	325.1	412.8	520.5	624.9	761.2	904.9	1043.5	1201.3
-62.5°	75.9	119.1	166.6	223.9	298.7	371.5	460.6	552.9	641.8	762.8	882.9
-65°	56.1	73.8	108.7	150.8	191.9	255.2	319.2	380.9	458.3	535.4	608.9
-67.5°	35.8	51.9	67.6	87.9	124.9	160.7	195.4	250.3	303.6	354.5	407.9
-70°	24.8	31.2	43.6	57.2	70.4	88.8	119.6	149.3	177.8	210.8	253.8
-72.5°	15.5	21.1	26.6	31.9	42.8	54.0	64.9	75.3	93.9	117.7	140.3
-75°	10.3	11.4	15.6	20.2	24.6	28.9	33.8	42.8	51.3	59.5	67.3
-77.5°	8.1	9.0	9.9	10.8	12.1	15.7	19.1	22.4	25.6	28.7	31.6
-80°	6.5	6.7	7.4	8.1	8.8	9.4	10.0	10.6	11.2	12.7	15.0
-82.5°	6.1	6.2	6.3	6.4	6.5	6.6	6.8	7.3	7.7	8.1	8.5
-85°	5.3	5.7	5.8	5.8	5.9	6.0	6.1	6.1	6.2	6.2	6.3
-87.5°	2.6	2.8	3.1	3.3	3.5	3.7	3.9	4.0	4.2	4.4	4.5
-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: P1212205 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-80-4S-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°	4.7	4.8	4.9	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.6
85°	6.3	6.4	6.4	6.5	6.5	6.5	6.6	6.6	6.6	6.7	6.7
82.5°	8.9	9.2	9.6	9.9	10.1	10.4	10.6	10.8	11.0	11.2	11.3
80°	17.2	19.2	21.2	22.9	24.6	26.0	27.4	28.6	29.6	30.5	31.2
77.5°	36.5	42.2	47.6	52.6	57.2	61.4	65.1	68.5	71.4	73.8	75.9
75°	74.6	84.6	100.6	115.5	129.3	141.8	153.1	163.1	171.8	179.2	185.3
72.5°	161.7	181.8	203.5	232.5	259.2	283.6	305.6	325.1	342.1	356.5	368.4
70°	294.5	332.8	368.7	406.4	448.1	486.2	520.5	550.9	577.5	600.1	618.7
67.5°	470.3	529.1	584.2	635.4	697.4	761.2	818.8	869.9	914.6	952.5	983.8
65°	691.3	788.6	879.7	964.6	1043.5	1129.2	1206.6	1275.4	1335.4	1386.6	1428.6
62.5°	996.9	1117.5	1238.5	1351.3	1455.4	1552.0	1640.6	1719.4	1788.3	1846.9	1895.2
60°	1351.3	1493.1	1629.8	1757.6	1875.8	1983.5	2060.3	2128.8	2188.6	2239.6	2281.6
57.5°	1716.4	1875.8	2016.2	2126.2	2227.9	2321.2	2393.4	2449.9	2499.2	2541.4	2576.1
55°	2060.3	2196.4	2324.5	2422.4	2505.6	2582.0	2653.6	2727.0	2791.2	2846.0	2891.2
52.5°	2343.7	2457.3	2561.4	2662.6	2770.0	2868.6	2958.1	3059.6	3152.6	3232.2	3297.8
50°	2556.4	2682.2	2815.5	2940.5	3084.3	3226.2	3355.2	3480.6	3600.5	3703.1	3787.8
47.5°	2785.5	2937.0	3115.8	3294.5	3469.3	3650.9	3816.2	3964.4	4094.9	4206.7	4299.2
45°	3042.7	3257.9	3470.5	3697.9	3910.0	4106.2	4285.3	4446.0	4646.9	4827.5	4977.0
42.5°	3354.1	3614.8	3873.2	4117.3	4345.6	4601.4	4888.7	5147.2	5696.1	6382.6	6952.0
40°	3702.4	3992.1	4268.4	4560.7	4924.9	5302.5	6386.7	7364.8	8510.9	10101.3	11422.8
37.5°	4052.2	4360.3	4746.5	5161.3	6312.4	7583.1	9623.0	11877.8	13893.9	16127.4	17987.3
35°	4391.2	4840.4	5451.2	6999.4	9001.5	11911.2	14821.0	17970.3	20771.5	23351.9	25548.6
32.5°	4840.4	5620.6	7347.3	10143.9	13472.1	17403.9	21136.7	24804.2	28095.9	31076.8	33678.9
30°	5451.2	7347.3	10528.1	14394.1	18985.0	23467.1	27819.2	31993.1	35869.2	39412.3	42825.3
27.5°	6999.4	10143.9	14394.1	19517.4	24661.5	29680.1	34758.6	39623.1	44671.4	49099.6	54273.0
25°	9001.5	13472.1	18985.0	24661.5	30358.3	36168.1	42256.1	48307.8	55593.0	62297.5	69585.8
22.5°	11911.2	17403.9	23467.1	29680.1	36168.1	43146.3	50572.1	59624.9	69440.1	79637.2	89318.9
20°	14821.0	21136.7	27819.2	34758.6	42256.1	50572.1	60992.4	73432.8	86287.7	100180.3	112986.7
17.5°	17970.3	24804.2	31993.1	39623.1	48307.8	59624.9	73432.8	88943.2	105811.3	124966.4	142906.8
15°	20771.5	28095.9	35869.2	44671.4	55593.0	69440.1	86287.7	105811.3	129075.4	154398.8	181444.3
12.5°	23351.9	31076.8	39412.3	49099.6	62297.5	79637.2	100180.3	124966.4	154398.8	188013.1	218261.3
10°	25548.6	33678.9	42825.3	54273.0	69585.8	89318.9	112986.7	142906.8	181444.3	218261.3	249428.3
7.5°	27286.2	35742.8	45541.6	58413.7	75939.1	98076.2	126134.2	162500.6	204067.1	242725.8	271297.8
5°	28543.6	37239.6	47516.9	61435.4	80596.0	104532.4	135902.0	177489.0	221281.6	258666.8	286182.7
2.5°	29304.7	38147.0	48716.8	63275.4	83440.8	108493.2	141929.4	186813.6	232120.3	268015.1	295114.3
0°	29559.6	38451.1	49119.3	63893.4	84397.9	109828.7	143968.1	189981.9	235828.1	271015.3	298225.3
-2.5°	29304.7	38147.0	48716.8	63275.4	83440.8	108493.2	141929.4	186813.6	232120.3	268015.1	295114.3
-5°	28543.6	37239.6	47516.9	61435.4	80596.0	104532.4	135902.0	177489.0	221281.6	258666.8	286182.7
-7.5°	27286.2	35742.8	45541.6	58413.7	75939.1	98076.2	126134.2	162500.6	204067.1	242725.8	271297.8
-10°	25548.6	33678.9	42825.3	54273.0	69585.8	89318.9	112986.7	142906.8	181444.3	218261.3	249428.3
-12.5°	23351.9	31076.8	39412.3	49099.6	62297.5	79637.2	100180.3	124966.4	154398.8	188013.1	218261.3
-15°	20771.5	28095.9	35869.2	44671.4	55593.0	69440.1	86287.7	105811.3	129075.4	154398.8	181444.3
-17.5°	17970.3	24804.2	31993.1	39623.1	48307.8	59624.9	73432.8	88943.2	105811.3	124966.4	142906.8
-20°	14821.0	21136.7	27819.2	34758.6	42256.1	50572.1	60992.4	73432.8	86287.7	100180.3	112986.7



REPORT NUMBER: P1212205 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-80-4S-HEG

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11911.2	17403.9	23467.1	29680.1	36168.1	43146.3	50572.1	59624.9	69440.1	79637.2	89318.9
-25°	9001.5	13472.1	18985.0	24661.5	30358.3	36168.1	42256.1	48307.8	55593.0	62297.5	69585.8
-27.5°	6999.4	10143.9	14394.1	19517.4	24661.5	29680.1	34758.6	39623.1	44671.4	49099.6	54273.0
-30°	5451.2	7347.3	10528.1	14394.1	18985.0	23467.1	27819.2	31993.1	35869.2	39412.3	42825.3
-32.5°	4840.4	5620.6	7347.3	10143.9	13472.1	17403.9	21136.7	24804.2	28095.9	31076.8	33678.9
-35°	4391.2	4840.4	5451.2	6999.4	9001.5	11911.2	14821.0	17970.3	20771.5	23351.9	25548.6
-37.5°	4052.2	4360.3	4746.5	5161.3	6312.4	7583.1	9623.0	11877.8	13893.9	16127.4	17987.3
-40°	3702.4	3992.1	4268.4	4560.7	4924.9	5302.5	6386.7	7364.8	8510.9	10101.3	11422.8
-42.5°	3354.1	3614.8	3873.2	4117.3	4345.6	4601.4	4888.7	5147.2	5696.1	6382.6	6952.0
-45°	3042.7	3257.9	3470.5	3697.9	3910.0	4106.2	4285.3	4446.0	4646.9	4827.5	4977.0
-47.5°	2785.5	2937.0	3115.8	3294.5	3469.3	3650.9	3816.2	3964.4	4094.9	4206.7	4299.2
-50°	2556.4	2682.2	2815.5	2940.5	3084.3	3226.2	3355.2	3480.6	3600.5	3703.1	3787.8
-52.5°	2343.7	2457.3	2561.4	2662.6	2770.0	2868.6	2958.1	3059.6	3152.6	3232.2	3297.8
-55°	2060.3	2196.4	2324.5	2422.4	2505.6	2582.0	2653.6	2727.0	2791.2	2846.0	2891.2
-57.5°	1716.4	1875.8	2016.2	2126.2	2227.9	2321.2	2393.4	2449.9	2499.2	2541.4	2576.1
-60°	1351.3	1493.1	1629.8	1757.6	1875.8	1983.5	2060.3	2128.8	2188.6	2239.6	2281.6
-62.5°	996.9	1117.5	1238.5	1351.3	1455.4	1552.0	1640.6	1719.4	1788.3	1846.9	1895.2
-65°	691.3	788.6	879.7	964.6	1043.5	1129.2	1206.6	1275.4	1335.4	1386.6	1428.6
-67.5°	470.3	529.1	584.2	635.4	697.4	761.2	818.8	869.9	914.6	952.5	983.8
-70°	294.5	332.8	368.7	406.4	448.1	486.2	520.5	550.9	577.5	600.1	618.7
-72.5°	161.7	181.8	203.5	232.5	259.2	283.6	305.6	325.1	342.1	356.5	368.4
-75°	74.6	84.6	100.6	115.5	129.3	141.8	153.1	163.1	171.8	179.2	185.3
-77.5°	36.5	42.2	47.6	52.6	57.2	61.4	65.1	68.5	71.4	73.8	75.9
-80°	17.2	19.2	21.2	22.9	24.6	26.0	27.4	28.6	29.6	30.5	31.2
-82.5°	8.9	9.2	9.6	9.9	10.1	10.4	10.6	10.8	11.0	11.2	11.3
-85°	6.3	6.4	6.4	6.5	6.5	6.5	6.6	6.6	6.6	6.7	6.7
-87.5°	4.7	4.8	4.9	5.1	5.2	5.3	5.4	5.4	5.5	5.6	5.6
-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: P1212205 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-80-4S-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°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4
85°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.6
82.5°	11.4	11.4	11.5	11.5	11.5	11.4	11.4	11.3	11.2	11.0	10.8
80°	31.8	32.2	32.4	32.5	32.4	32.2	31.8	31.2	30.5	29.6	28.6
77.5°	77.5	78.6	79.3	79.5	79.3	78.6	77.5	75.9	73.8	71.4	68.5
75°	190.1	193.5	195.5	196.2	195.5	193.5	190.1	185.3	179.2	171.8	163.1
72.5°	377.6	384.3	388.3	389.6	388.3	384.3	377.6	368.4	356.5	342.1	325.1
70°	633.2	643.6	649.8	651.9	649.8	643.6	633.2	618.7	600.1	577.5	550.9
67.5°	1008.1	1025.6	1036.1	1039.6	1036.1	1025.6	1008.1	983.8	952.5	914.6	869.9
65°	1461.5	1485.0	1499.2	1503.9	1499.2	1485.0	1461.5	1428.6	1386.6	1335.4	1275.4
62.5°	1932.9	1959.9	1976.2	1981.6	1976.2	1959.9	1932.9	1895.2	1846.9	1788.3	1719.4
60°	2314.5	2338.0	2352.2	2356.9	2352.2	2338.0	2314.5	2281.6	2239.6	2188.6	2128.8
57.5°	2603.2	2622.7	2634.4	2638.3	2634.4	2622.7	2603.2	2576.1	2541.4	2499.2	2449.9
55°	2926.6	2952.0	2967.3	2972.4	2967.3	2952.0	2926.6	2891.2	2846.0	2791.2	2727.0
52.5°	3349.2	3386.1	3408.3	3415.7	3408.3	3386.1	3349.2	3297.8	3232.2	3152.6	3059.6
50°	3854.2	3902.0	3930.7	3940.3	3930.7	3902.0	3854.2	3787.8	3703.1	3600.5	3480.6
47.5°	4371.7	4423.9	4455.3	4465.8	4455.3	4423.9	4371.7	4299.2	4206.7	4094.9	3964.4
45°	5094.5	5179.0	5230.0	5247.0	5230.0	5179.0	5094.5	4977.0	4827.5	4646.9	4446.0
42.5°	7399.7	7722.3	7916.9	7982.0	7916.9	7722.3	7399.7	6952.0	6382.6	5696.1	5147.2
40°	12463.7	13214.5	13667.9	13819.6	13667.9	13214.5	12463.7	11422.8	10101.3	8510.9	7364.8
37.5°	19455.2	20515.4	21156.4	21370.9	21156.4	20515.4	19455.2	17987.3	16127.4	13893.9	11877.8
35°	27286.2	28543.6	29304.7	29559.6	29304.7	28543.6	27286.2	25548.6	23351.9	20771.5	17970.3
32.5°	35742.8	37239.6	38147.0	38451.1	38147.0	37239.6	35742.8	33678.9	31076.8	28095.9	24804.2
30°	45541.6	47516.9	48716.8	49119.3	48716.8	47516.9	45541.6	42825.3	39412.3	35869.2	31993.1
27.5°	58413.7	61435.4	63275.4	63893.4	63275.4	61435.4	58413.7	54273.0	49099.6	44671.4	39623.1
25°	75939.1	80596.0	83440.8	84397.9	83440.8	80596.0	75939.1	69585.8	62297.5	55593.0	48307.8
22.5°	98076.2	104532.4	108493.2	109828.7	108493.2	104532.4	98076.2	89318.9	79637.2	69440.1	59624.9
20°	126134.2	135902.0	141929.4	143968.1	141929.4	135902.0	126134.2	112986.7	100180.3	86287.7	73432.8
17.5°	162500.6	177489.0	186813.6	189981.9	186813.6	177489.0	162500.6	142906.8	124966.4	105811.3	88943.2
15°	204067.1	221281.6	232120.3	235828.1	232120.3	221281.6	204067.1	181444.3	154398.8	129075.4	105811.3
12.5°	242725.8	258666.8	268015.1	271015.3	268015.1	258666.8	242725.8	218261.3	188013.1	154398.8	124966.4
10°	271297.8	286182.7	295114.3	298225.3	295114.3	286182.7	271297.8	249428.3	218261.3	181444.3	142906.8
7.5°	292186.6	307656.7	317737.2	321041.2	317737.2	307656.7	292186.6	271297.8	242725.8	204067.1	162500.6
5°	307656.7	324590.8	334770.4	338320.0	334770.4	324590.8	307656.7	286182.7	258666.8	221281.6	177489.0
2.5°	317737.2	334770.4	345762.3	349356.4	345762.3	334770.4	317737.2	295114.3	268015.1	232120.3	186813.6
0°	321041.2	338320.0	349356.4	353393.8	349356.4	338320.0	321041.2	298225.3	271015.3	235828.1	189981.9
-2.5°	317737.2	334770.4	345762.3	349356.4	345762.3	334770.4	317737.2	295114.3	268015.1	232120.3	186813.6
-5°	307656.7	324590.8	334770.4	338320.0	334770.4	324590.8	307656.7	286182.7	258666.8	221281.6	177489.0
-7.5°	292186.6	307656.7	317737.2	321041.2	317737.2	307656.7	292186.6	271297.8	242725.8	204067.1	162500.6
-10°	271297.8	286182.7	295114.3	298225.3	295114.3	286182.7	271297.8	249428.3	218261.3	181444.3	142906.8
-12.5°	242725.8	258666.8	268015.1	271015.3	268015.1	258666.8	242725.8	218261.3	188013.1	154398.8	124966.4
-15°	204067.1	221281.6	232120.3	235828.1	232120.3	221281.6	204067.1	181444.3	154398.8	129075.4	105811.3
-17.5°	162500.6	177489.0	186813.6	189981.9	186813.6	177489.0	162500.6	142906.8	124966.4	105811.3	88943.2
-20°	126134.2	135902.0	141929.4	143968.1	141929.4	135902.0	126134.2	112986.7	100180.3	86287.7	73432.8



REPORT NUMBER: P1212205 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-80-4S-HEG

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	98076.2	104532.4	108493.2	109828.7	108493.2	104532.4	98076.2	89318.9	79637.2	69440.1	59624.9
-25°	75939.1	80596.0	83440.8	84397.9	83440.8	80596.0	75939.1	69585.8	62297.5	55593.0	48307.8
-27.5°	58413.7	61435.4	63275.4	63893.4	63275.4	61435.4	58413.7	54273.0	49099.6	44671.4	39623.1
-30°	45541.6	47516.9	48716.8	49119.3	48716.8	47516.9	45541.6	42825.3	39412.3	35869.2	31993.1
-32.5°	35742.8	37239.6	38147.0	38451.1	38147.0	37239.6	35742.8	33678.9	31076.8	28095.9	24804.2
-35°	27286.2	28543.6	29304.7	29559.6	29304.7	28543.6	27286.2	25548.6	23351.9	20771.5	17970.3
-37.5°	19455.2	20515.4	21156.4	21370.9	21156.4	20515.4	19455.2	17987.3	16127.4	13893.9	11877.8
-40°	12463.7	13214.5	13667.9	13819.6	13667.9	13214.5	12463.7	11422.8	10101.3	8510.9	7364.8
-42.5°	7399.7	7722.3	7916.9	7982.0	7916.9	7722.3	7399.7	6952.0	6382.6	5696.1	5147.2
-45°	5094.5	5179.0	5230.0	5247.0	5230.0	5179.0	5094.5	4977.0	4827.5	4646.9	4446.0
-47.5°	4371.7	4423.9	4455.3	4465.8	4455.3	4423.9	4371.7	4299.2	4206.7	4094.9	3964.4
-50°	3854.2	3902.0	3930.7	3940.3	3930.7	3902.0	3854.2	3787.8	3703.1	3600.5	3480.6
-52.5°	3349.2	3386.1	3408.3	3415.7	3408.3	3386.1	3349.2	3297.8	3232.2	3152.6	3059.6
-55°	2926.6	2952.0	2967.3	2972.4	2967.3	2952.0	2926.6	2891.2	2846.0	2791.2	2727.0
-57.5°	2603.2	2622.7	2634.4	2638.3	2634.4	2622.7	2603.2	2576.1	2541.4	2499.2	2449.9
-60°	2314.5	2338.0	2352.2	2356.9	2352.2	2338.0	2314.5	2281.6	2239.6	2188.6	2128.8
-62.5°	1932.9	1959.9	1976.2	1981.6	1976.2	1959.9	1932.9	1895.2	1846.9	1788.3	1719.4
-65°	1461.5	1485.0	1499.2	1503.9	1499.2	1485.0	1461.5	1428.6	1386.6	1335.4	1275.4
-67.5°	1008.1	1025.6	1036.1	1039.6	1036.1	1025.6	1008.1	983.8	952.5	914.6	869.9
-70°	633.2	643.6	649.8	651.9	649.8	643.6	633.2	618.7	600.1	577.5	550.9
-72.5°	377.6	384.3	388.3	389.6	388.3	384.3	377.6	368.4	356.5	342.1	325.1
-75°	190.1	193.5	195.5	196.2	195.5	193.5	190.1	185.3	179.2	171.8	163.1
-77.5°	77.5	78.6	79.3	79.5	79.3	78.6	77.5	75.9	73.8	71.4	68.5
-80°	31.8	32.2	32.4	32.5	32.4	32.2	31.8	31.2	30.5	29.6	28.6
-82.5°	11.4	11.4	11.5	11.5	11.5	11.4	11.4	11.3	11.2	11.0	10.8
-85°	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.7	6.6	6.6
-87.5°	5.7	5.7	5.7	5.7	5.7	5.7	5.7	5.6	5.6	5.5	5.4
-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: P1212205 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-80-4S-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°	5.4	5.3	5.2	5.1	4.9	4.8	4.7	4.5	4.4	4.2	4.0
85°	6.6	6.5	6.5	6.5	6.4	6.4	6.3	6.3	6.2	6.2	6.1
82.5°	10.6	10.4	10.1	9.9	9.6	9.2	8.9	8.5	8.1	7.7	7.3
80°	27.4	26.0	24.6	22.9	21.2	19.2	17.2	15.0	12.7	11.2	10.6
77.5°	65.1	61.4	57.2	52.6	47.6	42.2	36.5	31.6	28.7	25.6	22.4
75°	153.1	141.8	129.3	115.5	100.6	84.6	74.6	67.3	59.5	51.3	42.8
72.5°	305.6	283.6	259.2	232.5	203.5	181.8	161.7	140.3	117.7	93.9	75.3
70°	520.5	486.2	448.1	406.4	368.7	332.8	294.5	253.8	210.8	177.8	149.3
67.5°	818.8	761.2	697.4	635.4	584.2	529.1	470.3	407.9	354.5	303.6	250.3
65°	1206.6	1129.2	1043.5	964.6	879.7	788.6	691.3	608.9	535.4	458.3	380.9
62.5°	1640.6	1552.0	1455.4	1351.3	1238.5	1117.5	996.9	882.9	762.8	641.8	552.9
60°	2060.3	1983.5	1875.8	1757.6	1629.8	1493.1	1351.3	1201.3	1043.5	904.9	761.2
57.5°	2393.4	2321.2	2227.9	2126.2	2016.2	1875.8	1716.4	1548.0	1374.8	1195.1	1013.1
55°	2653.6	2582.0	2505.6	2422.4	2324.5	2196.4	2060.3	1899.1	1707.3	1507.1	1304.7
52.5°	2958.1	2868.6	2770.0	2662.6	2561.4	2457.3	2343.7	2188.6	2026.2	1822.7	1598.8
50°	3355.2	3226.2	3084.3	2940.5	2815.5	2682.2	2556.4	2431.3	2281.6	2100.0	1892.6
47.5°	3816.2	3650.9	3469.3	3294.5	3115.8	2937.0	2785.5	2628.2	2488.2	2338.0	2137.2
45°	4285.3	4106.2	3910.0	3697.9	3470.5	3257.9	3042.7	2855.3	2678.1	2516.9	2356.9
42.5°	4888.7	4601.4	4345.6	4117.3	3873.2	3614.8	3354.1	3113.8	2890.5	2695.4	2516.9
40°	6386.7	5302.5	4924.9	4560.7	4268.4	3992.1	3702.4	3402.7	3137.7	2890.5	2678.1
37.5°	9623.0	7583.1	6312.4	5161.3	4746.5	4360.3	4052.2	3731.8	3402.7	3113.8	2855.3
35°	14821.0	11911.2	9001.5	6999.4	5451.2	4840.4	4391.2	4052.2	3702.4	3354.1	3042.7
32.5°	21136.7	17403.9	13472.1	10143.9	7347.3	5620.6	4840.4	4360.3	3992.1	3614.8	3257.9
30°	27819.2	23467.1	18985.0	14394.1	10528.1	7347.3	5451.2	4746.5	4268.4	3873.2	3470.5
27.5°	34758.6	29680.1	24661.5	19517.4	14394.1	10143.9	6999.4	5161.3	4560.7	4117.3	3697.9
25°	42256.1	36168.1	30358.3	24661.5	18985.0	13472.1	9001.5	6312.4	4924.9	4345.6	3910.0
22.5°	50572.1	43146.3	36168.1	29680.1	23467.1	17403.9	11911.2	7583.1	5302.5	4601.4	4106.2
20°	60992.4	50572.1	42256.1	34758.6	27819.2	21136.7	14821.0	9623.0	6386.7	4888.7	4285.3
17.5°	73432.8	59624.9	48307.8	39623.1	31993.1	24804.2	17970.3	11877.8	7364.8	5147.2	4446.0
15°	86287.7	69440.1	55593.0	44671.4	35869.2	28095.9	20771.5	13893.9	8510.9	5696.1	4646.9
12.5°	100180.3	79637.2	62297.5	49099.6	39412.3	31076.8	23351.9	16127.4	10101.3	6382.6	4827.5
10°	112986.7	89318.9	69585.8	54273.0	42825.3	33678.9	25548.6	17987.3	11422.8	6952.0	4977.0
7.5°	126134.2	98076.2	75939.1	58413.7	45541.6	35742.8	27286.2	19455.2	12463.7	7399.7	5094.5
5°	135902.0	104532.4	80596.0	61435.4	47516.9	37239.6	28543.6	20515.4	13214.5	7722.3	5179.0
2.5°	141929.4	108493.2	83440.8	63275.4	48716.8	38147.0	29304.7	21156.4	13667.9	7916.9	5230.0
0°	143968.1	109828.7	84397.9	63893.4	49119.3	38451.1	29559.6	21370.9	13819.6	7982.0	5247.0
-2.5°	141929.4	108493.2	83440.8	63275.4	48716.8	38147.0	29304.7	21156.4	13667.9	7916.9	5230.0
-5°	135902.0	104532.4	80596.0	61435.4	47516.9	37239.6	28543.6	20515.4	13214.5	7722.3	5179.0
-7.5°	126134.2	98076.2	75939.1	58413.7	45541.6	35742.8	27286.2	19455.2	12463.7	7399.7	5094.5
-10°	112986.7	89318.9	69585.8	54273.0	42825.3	33678.9	25548.6	17987.3	11422.8	6952.0	4977.0
-12.5°	100180.3	79637.2	62297.5	49099.6	39412.3	31076.8	23351.9	16127.4	10101.3	6382.6	4827.5
-15°	86287.7	69440.1	55593.0	44671.4	35869.2	28095.9	20771.5	13893.9	8510.9	5696.1	4646.9
-17.5°	73432.8	59624.9	48307.8	39623.1	31993.1	24804.2	17970.3	11877.8	7364.8	5147.2	4446.0
-20°	60992.4	50572.1	42256.1	34758.6	27819.2	21136.7	14821.0	9623.0	6386.7	4888.7	4285.3



REPORT NUMBER: P1212205 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-80-4S-HEG

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	50572.1	43146.3	36168.1	29680.1	23467.1	17403.9	11911.2	7583.1	5302.5	4601.4	4106.2
-25°	42256.1	36168.1	30358.3	24661.5	18985.0	13472.1	9001.5	6312.4	4924.9	4345.6	3910.0
-27.5°	34758.6	29680.1	24661.5	19517.4	14394.1	10143.9	6999.4	5161.3	4560.7	4117.3	3697.9
-30°	27819.2	23467.1	18985.0	14394.1	10528.1	7347.3	5451.2	4746.5	4268.4	3873.2	3470.5
-32.5°	21136.7	17403.9	13472.1	10143.9	7347.3	5620.6	4840.4	4360.3	3992.1	3614.8	3257.9
-35°	14821.0	11911.2	9001.5	6999.4	5451.2	4840.4	4391.2	4052.2	3702.4	3354.1	3042.7
-37.5°	9623.0	7583.1	6312.4	5161.3	4746.5	4360.3	4052.2	3731.8	3402.7	3113.8	2855.3
-40°	6386.7	5302.5	4924.9	4560.7	4268.4	3992.1	3702.4	3402.7	3137.7	2890.5	2678.1
-42.5°	4888.7	4601.4	4345.6	4117.3	3873.2	3614.8	3354.1	3113.8	2890.5	2695.4	2516.9
-45°	4285.3	4106.2	3910.0	3697.9	3470.5	3257.9	3042.7	2855.3	2678.1	2516.9	2356.9
-47.5°	3816.2	3650.9	3469.3	3294.5	3115.8	2937.0	2785.5	2628.2	2488.2	2338.0	2137.2
-50°	3355.2	3226.2	3084.3	2940.5	2815.5	2682.2	2556.4	2431.3	2281.6	2100.0	1892.6
-52.5°	2958.1	2868.6	2770.0	2662.6	2561.4	2457.3	2343.7	2188.6	2026.2	1822.7	1598.8
-55°	2653.6	2582.0	2505.6	2422.4	2324.5	2196.4	2060.3	1899.1	1707.3	1507.1	1304.7
-57.5°	2393.4	2321.2	2227.9	2126.2	2016.2	1875.8	1716.4	1548.0	1374.8	1195.1	1013.1
-60°	2060.3	1983.5	1875.8	1757.6	1629.8	1493.1	1351.3	1201.3	1043.5	904.9	761.2
-62.5°	1640.6	1552.0	1455.4	1351.3	1238.5	1117.5	996.9	882.9	762.8	641.8	552.9
-65°	1206.6	1129.2	1043.5	964.6	879.7	788.6	691.3	608.9	535.4	458.3	380.9
-67.5°	818.8	761.2	697.4	635.4	584.2	529.1	470.3	407.9	354.5	303.6	250.3
-70°	520.5	486.2	448.1	406.4	368.7	332.8	294.5	253.8	210.8	177.8	149.3
-72.5°	305.6	283.6	259.2	232.5	203.5	181.8	161.7	140.3	117.7	93.9	75.3
-75°	153.1	141.8	129.3	115.5	100.6	84.6	74.6	67.3	59.5	51.3	42.8
-77.5°	65.1	61.4	57.2	52.6	47.6	42.2	36.5	31.6	28.7	25.6	22.4
-80°	27.4	26.0	24.6	22.9	21.2	19.2	17.2	15.0	12.7	11.2	10.6
-82.5°	10.6	10.4	10.1	9.9	9.6	9.2	8.9	8.5	8.1	7.7	7.3
-85°	6.6	6.5	6.5	6.5	6.4	6.4	6.3	6.3	6.2	6.2	6.1
-87.5°	5.4	5.3	5.2	5.1	4.9	4.8	4.7	4.5	4.4	4.2	4.0
-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: P1212205 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-80-4S-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°	3.9	3.7	3.5	3.3	3.1	2.8	2.6	2.4	2.2	1.9	1.7
85°	6.1	6.0	5.9	5.8	5.8	5.7	5.3	4.8	4.4	3.9	3.4
82.5°	6.8	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.8	5.7	5.1
80°	10.0	9.4	8.8	8.1	7.4	6.7	6.5	6.4	6.2	6.1	5.9
77.5°	19.1	15.7	12.1	10.8	9.9	9.0	8.1	7.2	6.6	6.4	6.2
75°	33.8	28.9	24.6	20.2	15.6	11.4	10.3	9.2	8.0	6.9	6.5
72.5°	64.9	54.0	42.8	31.9	26.6	21.1	15.5	11.1	9.8	8.4	7.1
70°	119.6	88.8	70.4	57.2	43.6	31.2	24.8	18.3	11.7	10.0	8.4
67.5°	195.4	160.7	124.9	87.9	67.6	51.9	35.8	26.7	19.2	11.7	9.8
65°	319.2	255.2	191.9	150.8	108.7	73.8	56.1	37.9	26.7	18.3	11.1
62.5°	460.6	371.5	298.7	223.9	166.6	119.1	75.9	56.1	35.8	24.8	15.5
60°	624.9	520.5	412.8	325.1	241.4	171.8	119.1	73.8	51.9	31.2	21.1
57.5°	851.1	683.6	556.6	436.8	333.9	241.4	166.6	108.7	67.6	43.6	26.6
55°	1095.2	905.4	719.6	568.7	436.8	325.1	223.9	150.8	87.9	57.2	31.9
52.5°	1371.1	1139.1	923.6	719.6	556.6	412.8	298.7	191.9	124.9	70.4	42.8
50°	1645.0	1393.3	1139.1	905.4	683.6	520.5	371.5	255.2	160.7	88.8	54.0
47.5°	1916.0	1645.0	1371.1	1095.2	851.1	624.9	460.6	319.2	195.4	119.6	64.9
45°	2137.2	1892.6	1598.8	1304.7	1013.1	761.2	552.9	380.9	250.3	149.3	75.3
42.5°	2338.0	2100.0	1822.7	1507.1	1195.1	904.9	641.8	458.3	303.6	177.8	93.9
40°	2488.2	2281.6	2026.2	1707.3	1374.8	1043.5	762.8	535.4	354.5	210.8	117.7
37.5°	2628.2	2431.3	2188.6	1899.1	1548.0	1201.3	882.9	608.9	407.9	253.8	140.3
35°	2785.5	2556.4	2343.7	2060.3	1716.4	1351.3	996.9	691.3	470.3	294.5	161.7
32.5°	2937.0	2682.2	2457.3	2196.4	1875.8	1493.1	1117.5	788.6	529.1	332.8	181.8
30°	3115.8	2815.5	2561.4	2324.5	2016.2	1629.8	1238.5	879.7	584.2	368.7	203.5
27.5°	3294.5	2940.5	2662.6	2422.4	2126.2	1757.6	1351.3	964.6	635.4	406.4	232.5
25°	3469.3	3084.3	2770.0	2505.6	2227.9	1875.8	1455.4	1043.5	697.4	448.1	259.2
22.5°	3650.9	3226.2	2868.6	2582.0	2321.2	1983.5	1552.0	1129.2	761.2	486.2	283.6
20°	3816.2	3355.2	2958.1	2653.6	2393.4	2060.3	1640.6	1206.6	818.8	520.5	305.6
17.5°	3964.4	3480.6	3059.6	2727.0	2449.9	2128.8	1719.4	1275.4	869.9	550.9	325.1
15°	4094.9	3600.5	3152.6	2791.2	2499.2	2188.6	1788.3	1335.4	914.6	577.5	342.1
12.5°	4206.7	3703.1	3232.2	2846.0	2541.4	2239.6	1846.9	1386.6	952.5	600.1	356.5
10°	4299.2	3787.8	3297.8	2891.2	2576.1	2281.6	1895.2	1428.6	983.8	618.7	368.4
7.5°	4371.7	3854.2	3349.2	2926.6	2603.2	2314.5	1932.9	1461.5	1008.1	633.2	377.6
5°	4423.9	3902.0	3386.1	2952.0	2622.7	2338.0	1959.9	1485.0	1025.6	643.6	384.3
2.5°	4455.3	3930.7	3408.3	2967.3	2634.4	2352.2	1976.2	1499.2	1036.1	649.8	388.3
0°	4465.8	3940.3	3415.7	2972.4	2638.3	2356.9	1981.6	1503.9	1039.6	651.9	389.6
-2.5°	4455.3	3930.7	3408.3	2967.3	2634.4	2352.2	1976.2	1499.2	1036.1	649.8	388.3
-5°	4423.9	3902.0	3386.1	2952.0	2622.7	2338.0	1959.9	1485.0	1025.6	643.6	384.3
-7.5°	4371.7	3854.2	3349.2	2926.6	2603.2	2314.5	1932.9	1461.5	1008.1	633.2	377.6
-10°	4299.2	3787.8	3297.8	2891.2	2576.1	2281.6	1895.2	1428.6	983.8	618.7	368.4
-12.5°	4206.7	3703.1	3232.2	2846.0	2541.4	2239.6	1846.9	1386.6	952.5	600.1	356.5
-15°	4094.9	3600.5	3152.6	2791.2	2499.2	2188.6	1788.3	1335.4	914.6	577.5	342.1
-17.5°	3964.4	3480.6	3059.6	2727.0	2449.9	2128.8	1719.4	1275.4	869.9	550.9	325.1
-20°	3816.2	3355.2	2958.1	2653.6	2393.4	2060.3	1640.6	1206.6	818.8	520.5	305.6



REPORT NUMBER: P1212205 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-80-4S-HEG

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3650.9	3226.2	2868.6	2582.0	2321.2	1983.5	1552.0	1129.2	761.2	486.2	283.6
-25°	3469.3	3084.3	2770.0	2505.6	2227.9	1875.8	1455.4	1043.5	697.4	448.1	259.2
-27.5°	3294.5	2940.5	2662.6	2422.4	2126.2	1757.6	1351.3	964.6	635.4	406.4	232.5
-30°	3115.8	2815.5	2561.4	2324.5	2016.2	1629.8	1238.5	879.7	584.2	368.7	203.5
-32.5°	2937.0	2682.2	2457.3	2196.4	1875.8	1493.1	1117.5	788.6	529.1	332.8	181.8
-35°	2785.5	2556.4	2343.7	2060.3	1716.4	1351.3	996.9	691.3	470.3	294.5	161.7
-37.5°	2628.2	2431.3	2188.6	1899.1	1548.0	1201.3	882.9	608.9	407.9	253.8	140.3
-40°	2488.2	2281.6	2026.2	1707.3	1374.8	1043.5	762.8	535.4	354.5	210.8	117.7
-42.5°	2338.0	2100.0	1822.7	1507.1	1195.1	904.9	641.8	458.3	303.6	177.8	93.9
-45°	2137.2	1892.6	1598.8	1304.7	1013.1	761.2	552.9	380.9	250.3	149.3	75.3
-47.5°	1916.0	1645.0	1371.1	1095.2	851.1	624.9	460.6	319.2	195.4	119.6	64.9
-50°	1645.0	1393.3	1139.1	905.4	683.6	520.5	371.5	255.2	160.7	88.8	54.0
-52.5°	1371.1	1139.1	923.6	719.6	556.6	412.8	298.7	191.9	124.9	70.4	42.8
-55°	1095.2	905.4	719.6	568.7	436.8	325.1	223.9	150.8	87.9	57.2	31.9
-57.5°	851.1	683.6	556.6	436.8	333.9	241.4	166.6	108.7	67.6	43.6	26.6
-60°	624.9	520.5	412.8	325.1	241.4	171.8	119.1	73.8	51.9	31.2	21.1
-62.5°	460.6	371.5	298.7	223.9	166.6	119.1	75.9	56.1	35.8	24.8	15.5
-65°	319.2	255.2	191.9	150.8	108.7	73.8	56.1	37.9	26.7	18.3	11.1
-67.5°	195.4	160.7	124.9	87.9	67.6	51.9	35.8	26.7	19.2	11.7	9.8
-70°	119.6	88.8	70.4	57.2	43.6	31.2	24.8	18.3	11.7	10.0	8.4
-72.5°	64.9	54.0	42.8	31.9	26.6	21.1	15.5	11.1	9.8	8.4	7.1
-75°	33.8	28.9	24.6	20.2	15.6	11.4	10.3	9.2	8.0	6.9	6.5
-77.5°	19.1	15.7	12.1	10.8	9.9	9.0	8.1	7.2	6.6	6.4	6.2
-80°	10.0	9.4	8.8	8.1	7.4	6.7	6.5	6.4	6.2	6.1	5.9
-82.5°	6.8	6.6	6.5	6.4	6.3	6.2	6.1	6.0	5.8	5.7	5.1
-85°	6.1	6.0	5.9	5.8	5.8	5.7	5.3	4.8	4.4	3.9	3.4
-87.5°	3.9	3.7	3.5	3.3	3.1	2.8	2.6	2.4	2.2	1.9	1.7
-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: P1212205 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-80-4S-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°	1.5	1.2	1.0	0.7	0.5	0.2	0.0
85°	2.9	2.5	2.0	1.5	1.0	0.5	0.0
82.5°	4.4	3.7	3.0	2.2	1.5	0.7	0.0
80°	5.7	4.9	3.9	3.0	2.0	1.0	0.0
77.5°	6.0	5.8	4.9	3.7	2.5	1.2	0.0
75°	6.2	6.0	5.7	4.4	2.9	1.5	0.0
72.5°	6.5	6.2	5.9	5.1	3.4	1.7	0.0
70°	6.9	6.4	6.1	5.7	3.9	1.9	0.0
67.5°	8.0	6.6	6.2	5.8	4.4	2.2	0.0
65°	9.2	7.2	6.4	6.0	4.8	2.4	0.0
62.5°	10.3	8.1	6.5	6.1	5.3	2.6	0.0
60°	11.4	9.0	6.7	6.2	5.7	2.8	0.0
57.5°	15.6	9.9	7.4	6.3	5.8	3.1	0.0
55°	20.2	10.8	8.1	6.4	5.8	3.3	0.0
52.5°	24.6	12.1	8.8	6.5	5.9	3.5	0.0
50°	28.9	15.7	9.4	6.6	6.0	3.7	0.0
47.5°	33.8	19.1	10.0	6.8	6.1	3.9	0.0
45°	42.8	22.4	10.6	7.3	6.1	4.0	0.0
42.5°	51.3	25.6	11.2	7.7	6.2	4.2	0.0
40°	59.5	28.7	12.7	8.1	6.2	4.4	0.0
37.5°	67.3	31.6	15.0	8.5	6.3	4.5	0.0
35°	74.6	36.5	17.2	8.9	6.3	4.7	0.0
32.5°	84.6	42.2	19.2	9.2	6.4	4.8	0.0
30°	100.6	47.6	21.2	9.6	6.4	4.9	0.0
27.5°	115.5	52.6	22.9	9.9	6.5	5.1	0.0
25°	129.3	57.2	24.6	10.1	6.5	5.2	0.0
22.5°	141.8	61.4	26.0	10.4	6.5	5.3	0.0
20°	153.1	65.1	27.4	10.6	6.6	5.4	0.0
17.5°	163.1	68.5	28.6	10.8	6.6	5.4	0.0
15°	171.8	71.4	29.6	11.0	6.6	5.5	0.0
12.5°	179.2	73.8	30.5	11.2	6.7	5.6	0.0
10°	185.3	75.9	31.2	11.3	6.7	5.6	0.0
7.5°	190.1	77.5	31.8	11.4	6.7	5.7	0.0
5°	193.5	78.6	32.2	11.4	6.7	5.7	0.0
2.5°	195.5	79.3	32.4	11.5	6.7	5.7	0.0
0°	196.2	79.5	32.5	11.5	6.7	5.7	0.0
-2.5°	195.5	79.3	32.4	11.5	6.7	5.7	0.0
-5°	193.5	78.6	32.2	11.4	6.7	5.7	0.0
-7.5°	190.1	77.5	31.8	11.4	6.7	5.7	0.0
-10°	185.3	75.9	31.2	11.3	6.7	5.6	0.0
-12.5°	179.2	73.8	30.5	11.2	6.7	5.6	0.0
-15°	171.8	71.4	29.6	11.0	6.6	5.5	0.0
-17.5°	163.1	68.5	28.6	10.8	6.6	5.4	0.0
-20°	153.1	65.1	27.4	10.6	6.6	5.4	0.0



REPORT NUMBER: P1212205 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-80-4S-HEG

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	141.8	61.4	26.0	10.4	6.5	5.3	0.0
-25°	129.3	57.2	24.6	10.1	6.5	5.2	0.0
-27.5°	115.5	52.6	22.9	9.9	6.5	5.1	0.0
-30°	100.6	47.6	21.2	9.6	6.4	4.9	0.0
-32.5°	84.6	42.2	19.2	9.2	6.4	4.8	0.0
-35°	74.6	36.5	17.2	8.9	6.3	4.7	0.0
-37.5°	67.3	31.6	15.0	8.5	6.3	4.5	0.0
-40°	59.5	28.7	12.7	8.1	6.2	4.4	0.0
-42.5°	51.3	25.6	11.2	7.7	6.2	4.2	0.0
-45°	42.8	22.4	10.6	7.3	6.1	4.0	0.0
-47.5°	33.8	19.1	10.0	6.8	6.1	3.9	0.0
-50°	28.9	15.7	9.4	6.6	6.0	3.7	0.0
-52.5°	24.6	12.1	8.8	6.5	5.9	3.5	0.0
-55°	20.2	10.8	8.1	6.4	5.8	3.3	0.0
-57.5°	15.6	9.9	7.4	6.3	5.8	3.1	0.0
-60°	11.4	9.0	6.7	6.2	5.7	2.8	0.0
-62.5°	10.3	8.1	6.5	6.1	5.3	2.6	0.0
-65°	9.2	7.2	6.4	6.0	4.8	2.4	0.0
-67.5°	8.0	6.6	6.2	5.8	4.4	2.2	0.0
-70°	6.9	6.4	6.1	5.7	3.9	1.9	0.0
-72.5°	6.5	6.2	5.9	5.1	3.4	1.7	0.0
-75°	6.2	6.0	5.7	4.4	2.9	1.5	0.0
-77.5°	6.0	5.8	4.9	3.7	2.5	1.2	0.0
-80°	5.7	4.9	3.9	3.0	2.0	1.0	0.0
-82.5°	4.4	3.7	3.0	2.2	1.5	0.7	0.0
-85°	2.9	2.5	2.0	1.5	1.0	0.5	0.0
-87.5°	1.5	1.2	1.0	0.7	0.5	0.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)