

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: P1212189 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-57-70-5S-ECV**

Issue Date: 11/14/2025

Test Information

Test Method: LM-79-08
Report Number: P1212189 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-30)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: EPHESUS
Catalog Number: EPH-LS12-1000R-57-70-5S-ECV
Description: EPHESUS LS12 LUMINAIRE
(12) 5700K, 70 CRI LEDS AND 5S BEAM SHAPE WITH EXTREME CUTOFF VISOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

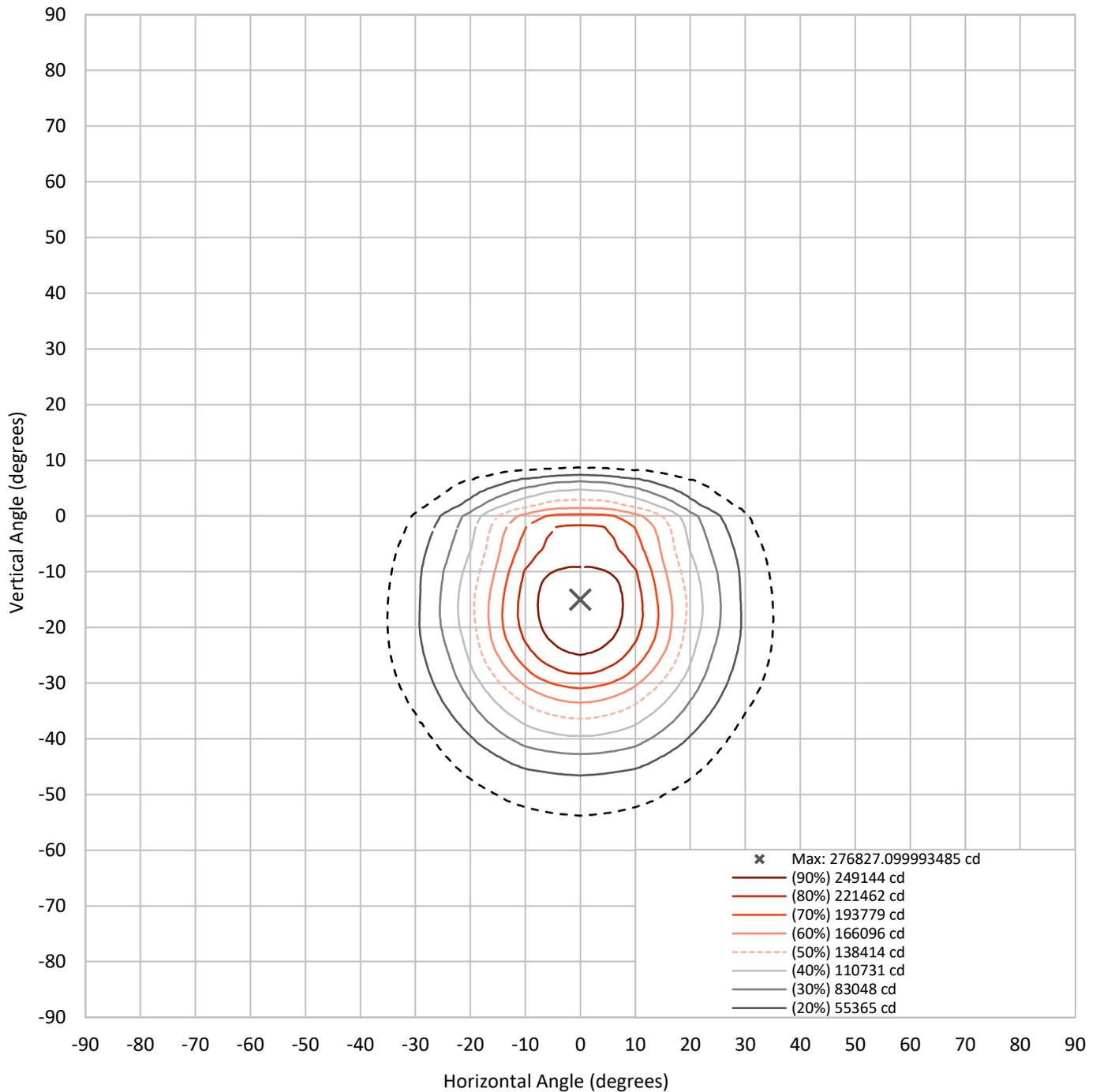
Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	135402.6 lumens	Max Intensity:	276827.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -15°V
Efficacy:	130.1 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	38.6°H x 39°V	Field Angle (10%):	69.7°H x 62.5°V
Beam Lumens:	77354.7 lumens	Field Lumens:	123394.2 lumens
Beam Efficiency:	57.1%	Field Efficiency:	91.1%

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-57-70-5S-ECV

Iso-Candela Plot





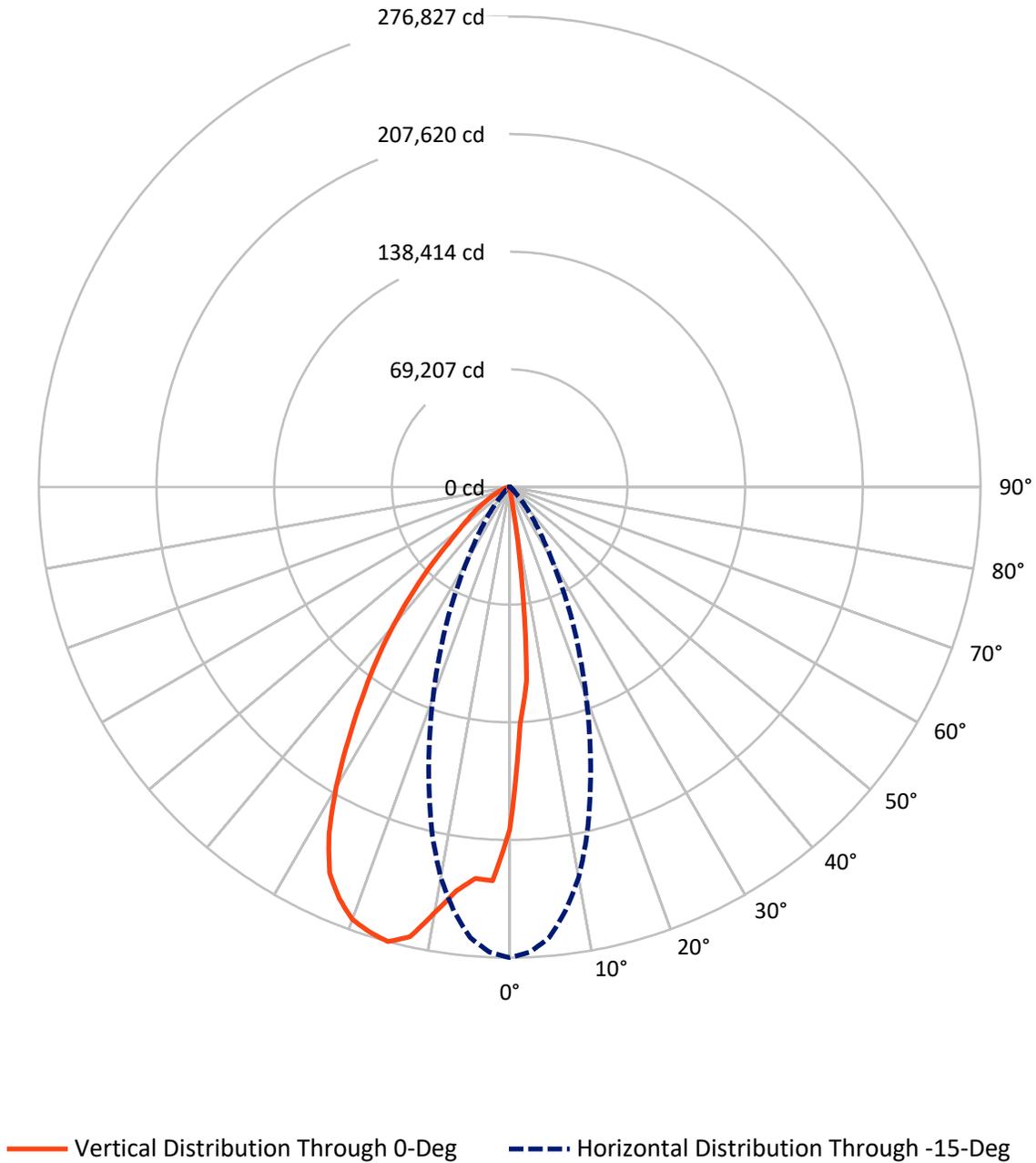
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Lumen Table

90	2.6		6.6		7.7		6.3		4.7		6.3		7.7		6.6		2.6	
80	2.5		1.4	1.6	1.7	1.5	1.2	0.7	0.2	0.2	0.7	1.2	1.5	1.7	1.6	1.4	2.5	
70	2.6		1.4	1.7	1.8	1.6	1.3	0.8	0.3	0.3	0.8	1.3	1.6	1.8	1.7	1.4	2.6	
60	2.7		1.4	1.8	1.9	1.8	1.5	0.9	0.3	0.3	0.9	1.5	1.8	1.9	1.8	1.4	2.7	
50	3.1		1.5	1.9	2.1	2.1	1.8	1.2	0.4	0.4	1.2	1.8	2.1	2.1	1.9	1.5	3.1	
40	4.1		1.6	2.1	2.4	2.6	2.4	1.7	0.6	0.6	1.7	2.4	2.6	2.4	2.1	1.6	4.1	
30	4.9		1.7	2.6	3.9	5.5	14.1	17.1	13.3	13.3	17.1	14.1	5.5	3.9	2.6	1.7	4.9	
20	4.9		2.2	5.5	23.1	142.0	702.7	1867.0	2884.0	2884.0	1867.0	702.7	142.0	23.1	5.5	2.2	4.9	
10	4.1		4.0	16.9	93.0	548.1	2005.8	4633.9	6778.4	6778.4	4633.9	2005.8	548.1	93.0	16.9	4.0	4.1	
0	4.9		6.8	29.4	127.8	717.3	2410.3	5329.6	7814.3	7814.3	5329.6	2410.3	717.3	127.8	29.4	6.8	4.9	
-10	4.9		8.5	36.2	120.2	662.2	2136.6	4792.4	7019.4	7019.4	4792.4	2136.6	662.2	120.2	36.2	8.5	4.9	
-20	4.4		8.7	35.9	107.7	416.0	1399.5	3039.3	4384.7	4384.7	3039.3	1399.5	416.0	107.7	35.9	8.7	4.4	
-30	4.9		7.9	29.7	86.6	239.7	658.9	1395.8	1963.9	1963.9	1395.8	658.9	239.7	86.6	29.7	7.9	4.9	
-40	4.9		6.6	20.1	56.4	138.0	305.5	550.9	730.7	730.7	550.9	305.5	138.0	56.4	20.1	6.6	4.9	
-50	4.4		5.3	12.1	29.2	64.6	125.6	209.5	267.7	267.7	209.5	125.6	64.6	29.2	12.1	5.3	4.4	
-60	4.4		21.1		56.2		141.0		209.3		141.0		56.2		21.1		4.4	
-70	4.4		21.1		56.2		141.0		209.3		141.0		56.2		21.1		4.4	
-80	4.4		21.1		56.2		141.0		209.3		141.0		56.2		21.1		4.4	
-90	4.4		21.1		56.2		141.0		209.3		141.0		56.2		21.1		4.4	

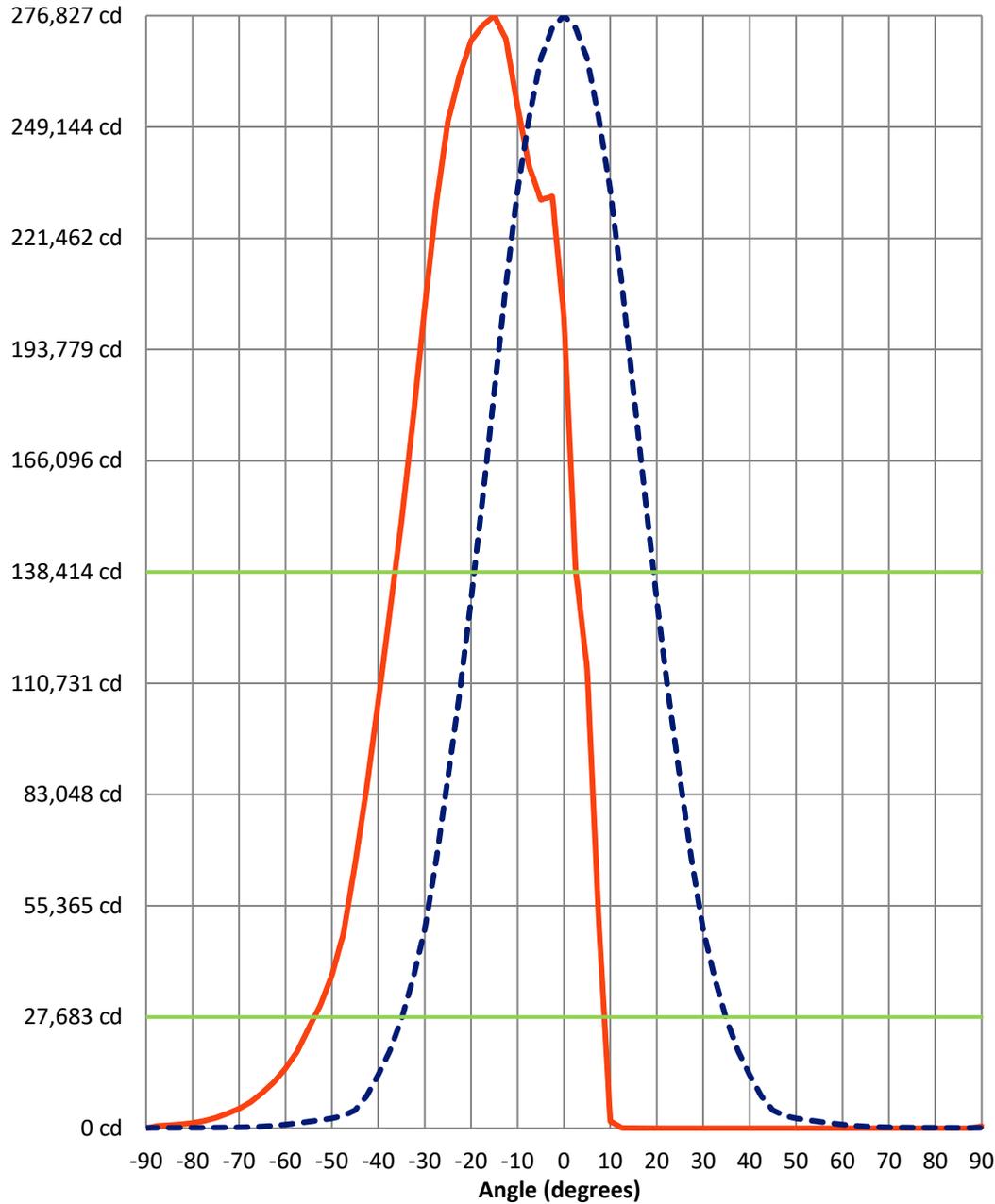
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CATALOG NUMBER: EPH-LS12-1000R-57-70-5S-ECV

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 38.6°
 V Angle: 39°
 Lumens: 77354.7
 Efficiency: 57.1%

Field:
 H Angle: 69.7°
 V Angle: 62.5°
 Lumens: 123394.2
 Efficiency: 91.1%

Spill:
 Lumens: 12008.4
 Efficiency: 8.9%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through -15-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°	127.2	134.7	142.3	159.7	177.1	194.6	212.0	228.4	244.8	261.2	277.6
87.5°	127.2	126.2	125.1	122.8	120.6	118.3	116.1	113.1	110.1	107.0	104.0
85°	127.2	126.2	125.0	122.8	120.5	118.3	116.1	113.2	110.1	107.1	104.1
82.5°	127.2	126.1	125.0	122.7	120.5	118.3	116.2	113.2	110.2	107.2	104.2
80°	127.2	126.1	124.9	122.6	120.4	118.3	116.3	113.4	110.4	107.4	104.4
77.5°	127.2	126.1	124.8	122.6	120.4	118.4	116.4	113.5	110.6	107.6	104.6
75°	127.2	126.1	124.8	122.6	120.4	118.5	116.5	113.8	110.8	107.9	104.9
72.5°	127.2	126.1	124.7	122.5	120.6	118.7	116.7	114.0	111.1	108.2	105.2
70°	127.2	126.1	124.7	122.6	120.8	118.9	116.9	114.3	111.4	108.5	105.6
67.5°	127.2	126.1	124.6	122.7	121.1	119.2	117.1	114.6	111.8	108.9	106.0
65°	127.2	126.1	124.6	123.0	121.3	119.4	117.3	115.0	112.2	109.4	106.5
62.5°	127.2	126.1	124.6	123.2	121.6	119.6	117.6	115.3	112.6	109.8	107.1
60°	127.2	126.1	124.6	123.4	121.8	119.9	117.9	115.8	113.1	110.4	107.6
57.5°	127.2	126.1	124.7	123.6	122.1	120.1	118.2	116.2	113.6	110.9	108.4
55°	127.2	126.1	124.9	123.9	122.3	120.4	118.5	116.6	114.2	111.6	109.2
52.5°	127.2	126.2	125.0	124.2	122.5	120.7	118.8	117.0	114.8	112.5	110.1
50°	127.2	126.2	125.2	124.4	122.7	121.0	119.2	117.5	115.5	113.5	111.2
47.5°	127.2	126.2	125.3	124.7	123.0	121.3	119.6	118.0	116.4	114.5	112.3
45°	127.2	126.2	125.5	124.9	123.3	121.6	120.1	118.5	117.3	115.6	113.5
42.5°	127.2	126.3	125.6	125.1	123.6	122.0	120.6	119.2	118.1	116.8	114.4
40°	127.2	126.3	125.8	125.3	123.9	122.4	121.2	120.0	119.0	118.0	115.3
37.5°	127.2	126.3	126.0	125.5	124.2	122.8	121.7	120.8	120.0	119.0	116.1
35°	127.2	126.4	126.1	125.8	124.5	123.2	122.4	121.6	121.0	119.8	117.1
32.5°	127.2	126.4	126.3	126.1	124.8	123.7	123.0	122.4	122.1	120.7	118.5
30°	127.2	126.5	126.4	126.4	125.2	124.3	123.7	123.3	123.1	121.8	120.1
27.5°	127.2	126.5	126.6	126.7	125.8	124.8	124.4	124.2	124.2	123.0	121.8
25°	127.2	126.6	126.7	127.1	126.5	125.4	125.2	125.2	125.2	124.4	123.7
22.5°	127.2	126.6	126.9	127.4	127.2	126.2	125.9	126.1	126.4	126.1	126.0
20°	127.2	126.7	127.1	127.8	128.0	127.6	126.6	127.1	127.6	127.8	128.3
17.5°	127.2	126.8	127.2	128.3	128.9	129.1	128.3	128.1	128.8	129.6	130.7
15°	127.2	126.8	127.4	128.7	129.8	130.6	130.6	130.1	130.1	131.5	133.3
12.5°	127.2	126.9	127.5	129.1	130.7	132.2	133.0	133.6	133.4	133.4	135.8
10°	127.2	126.9	127.6	129.5	131.6	133.8	135.4	137.1	138.3	139.4	141.2
7.5°	127.2	127.0	127.8	130.0	132.5	135.5	137.9	140.7	143.3	146.2	153.0
5°	127.2	127.1	127.9	130.4	133.5	137.1	140.4	144.3	148.4	153.0	165.2
2.5°	127.2	127.1	128.1	130.8	134.4	138.7	142.9	147.9	153.5	159.8	177.6
0°	127.2	127.2	128.2	131.2	135.3	140.3	145.4	151.4	158.5	166.6	189.8
-2.5°	127.2	127.6	129.3	133.1	138.1	144.7	153.1	162.5	174.8	193.2	235.5
-5°	127.2	128.1	130.3	134.9	140.9	149.1	160.6	173.4	190.7	219.1	279.6
-7.5°	127.2	128.5	131.3	136.7	143.6	153.4	167.8	184.0	206.1	243.9	321.1
-10°	127.2	128.9	132.4	138.4	146.3	157.5	174.7	194.1	220.8	267.1	358.9
-12.5°	127.2	129.4	133.4	140.1	148.9	161.4	181.2	203.8	234.6	290.5	408.8
-15°	127.2	129.8	134.3	141.8	151.3	165.0	187.1	212.9	252.4	327.8	460.6
-17.5°	127.2	130.2	135.3	143.4	153.7	168.5	192.5	225.0	274.9	360.4	505.0
-20°	127.2	130.6	136.2	144.9	155.9	171.7	198.9	239.0	294.8	387.6	541.1



REPORT NUMBER: P1212189 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-70-5S-ECV

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	127.2	131.0	137.1	146.3	158.0	174.5	207.6	251.6	311.9	408.7	568.1
-25°	127.2	131.4	137.9	147.6	160.0	179.8	215.5	262.6	325.7	423.3	585.3
-27.5°	127.2	131.7	138.8	148.9	161.8	185.7	222.6	271.8	336.2	434.2	602.0
-30°	127.2	132.1	139.5	150.1	163.7	191.1	228.7	279.2	345.7	446.0	609.4
-32.5°	127.2	132.4	140.2	151.1	167.5	195.9	233.9	285.8	353.8	452.9	606.7
-35°	127.2	132.7	140.9	152.1	171.0	200.0	239.1	291.4	359.3	454.6	593.7
-37.5°	127.2	133.0	141.5	152.9	174.0	203.8	243.8	295.6	362.0	451.0	592.2
-40°	127.2	133.3	142.1	153.7	176.7	207.4	247.5	298.4	361.9	449.0	589.3
-42.5°	127.2	133.6	142.6	154.7	179.2	210.4	250.3	299.9	362.2	448.4	576.6
-45°	127.2	133.8	143.1	156.3	181.3	212.8	252.2	300.8	362.1	442.8	556.8
-47.5°	127.2	134.0	143.5	157.7	183.1	214.6	253.1	301.7	360.2	432.3	543.3
-50°	127.2	134.2	143.8	159.1	184.6	215.8	254.1	301.2	355.9	426.1	523.3
-52.5°	127.2	134.4	144.1	160.3	185.7	216.3	254.3	299.6	351.2	416.5	498.5
-55°	127.2	134.6	144.4	161.4	186.4	216.8	253.7	296.8	345.3	403.4	481.4
-57.5°	127.2	134.7	144.6	162.3	186.8	216.8	252.2	294.3	337.4	391.5	460.3
-60°	127.2	134.8	144.7	163.0	186.9	216.4	250.0	289.9	328.5	378.3	438.0
-62.5°	127.2	134.9	144.8	163.5	187.3	215.4	248.2	284.4	321.4	362.9	418.0
-65°	127.2	135.0	144.8	163.9	187.4	214.0	245.7	278.7	313.3	351.4	395.5
-67.5°	127.2	135.1	144.8	164.1	187.3	212.8	242.6	273.7	304.3	340.1	378.5
-70°	127.2	135.1	144.7	164.1	186.9	211.7	238.9	268.2	297.4	327.9	363.6
-72.5°	127.2	135.1	144.5	164.1	186.3	210.4	236.3	262.2	290.0	318.9	348.7
-75°	127.2	135.1	144.3	163.8	185.4	208.7	233.6	257.5	282.1	309.2	337.3
-77.5°	127.2	135.1	144.1	163.5	184.4	206.7	230.4	252.9	275.9	299.8	325.2
-80°	127.2	135.1	143.8	163.0	183.3	204.6	226.9	248.0	269.6	291.9	314.8
-82.5°	127.2	135.0	143.5	162.3	182.0	202.4	223.5	243.0	262.9	283.5	304.6
-85°	127.2	134.9	143.1	161.6	180.6	200.0	219.9	238.4	257.1	275.9	294.9
-87.5°	127.2	134.9	142.7	160.7	178.9	197.4	216.1	233.5	251.1	268.7	286.4
-90°	127.2	126.2	125.2	122.9	120.6	118.4	116.1	113.1	110.1	107.0	104.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	288.2	298.8	309.4	320.0	324.3	328.6	332.8	337.1	342.4	347.7	353.0
87.5°	100.5	96.9	93.4	89.8	85.8	81.8	77.8	73.7	69.2	64.6	60.1
85°	100.6	97.0	93.5	89.9	85.9	81.9	77.9	73.9	69.3	64.8	60.2
82.5°	100.7	97.2	93.7	90.1	86.2	82.1	78.1	74.1	69.6	65.0	60.5
80°	101.0	97.4	93.9	90.4	86.5	82.4	78.4	74.4	69.9	65.4	60.8
77.5°	101.2	97.7	94.2	90.7	86.8	82.8	78.8	74.8	70.4	65.8	61.3
75°	101.6	98.1	94.6	91.1	87.3	83.3	79.3	75.1	70.6	66.0	61.5
72.5°	102.0	98.5	95.1	91.6	87.8	83.7	79.5	75.1	70.7	66.4	62.1
70°	102.5	99.1	95.6	92.2	88.5	84.2	80.0	75.7	71.5	67.1	62.8
67.5°	103.0	99.6	96.2	92.8	89.2	85.0	80.8	76.6	72.3	68.0	63.6
65°	103.6	100.3	96.9	93.5	90.1	85.9	81.7	77.5	73.2	68.9	64.5
62.5°	104.3	101.0	97.7	94.3	90.9	87.0	82.8	78.6	74.3	70.2	65.9
60°	104.9	101.8	98.5	95.1	91.8	88.1	83.9	79.9	76.0	72.0	67.1
57.5°	105.7	102.6	99.4	96.1	92.8	89.3	85.3	81.5	77.3	72.7	67.8
55°	106.5	103.6	100.4	97.1	93.9	90.5	86.7	82.6	78.2	73.9	69.3
52.5°	107.5	104.5	101.4	98.3	95.3	91.8	88.1	83.9	79.7	75.4	71.0
50°	108.6	105.6	102.6	99.9	96.7	93.2	89.7	85.6	81.4	77.2	72.8
47.5°	109.5	106.6	104.3	101.5	98.2	94.8	91.3	87.4	83.3	79.0	74.7
45°	110.5	107.9	105.8	103.0	99.7	96.4	92.9	89.3	85.3	81.1	77.2
42.5°	111.4	109.2	107.1	104.5	101.3	98.1	94.7	91.3	87.4	83.5	79.6
40°	112.6	110.6	108.5	106.0	103.1	99.9	96.6	93.3	89.7	85.8	81.8
37.5°	113.9	112.0	110.0	107.7	104.9	101.9	98.7	95.6	92.1	88.3	84.5
35°	115.1	113.5	111.7	109.4	106.8	103.9	101.2	98.2	94.8	91.5	87.8
32.5°	116.5	115.2	113.5	111.2	108.8	106.2	103.9	101.2	98.3	95.2	91.7
30°	118.3	116.9	115.3	113.0	110.9	109.0	107.0	104.5	102.2	99.4	96.6
27.5°	120.6	118.8	117.1	115.2	113.4	112.0	110.4	108.5	106.4	104.1	102.2
25°	123.2	122.0	119.0	117.5	116.3	115.4	114.2	112.9	111.1	109.5	108.4
22.5°	125.9	125.5	123.3	119.9	119.3	119.0	118.5	117.8	116.9	115.5	113.7
20°	129.0	129.4	128.5	126.7	123.9	123.0	122.9	123.3	124.0	125.2	122.7
17.5°	132.3	133.7	134.4	135.6	137.5	134.8	127.6	129.2	131.9	139.1	144.4
15°	135.7	138.4	140.7	146.1	154.0	160.0	160.6	148.8	142.9	157.7	173.3
12.5°	139.2	143.3	147.4	157.8	172.9	189.9	208.5	223.3	227.1	215.6	209.5
10°	142.8	148.5	154.3	170.5	193.5	223.3	263.7	310.6	359.4	440.3	571.5
7.5°	161.6	168.2	170.2	183.7	215.2	259.1	323.8	407.1	505.6	707.1	1168.4
5°	183.6	204.6	235.5	280.4	330.4	383.2	448.7	514.5	659.9	999.4	1860.2
2.5°	206.0	241.7	303.1	392.7	507.3	646.5	843.8	1399.0	2273.7	3245.9	4494.1
0°	228.1	278.6	370.5	504.7	684.4	910.5	1240.6	2302.5	4210.3	6437.1	8761.8
-2.5°	303.0	402.7	546.7	726.8	927.9	1199.2	1597.7	2908.5	5140.1	7925.0	11828.5
-5°	375.2	522.0	716.4	941.4	1164.4	1475.7	1934.5	3434.0	6013.1	9369.6	14240.6
-7.5°	442.8	633.1	875.8	1144.5	1398.7	1754.0	2293.3	4026.7	7080.9	10883.7	15949.5
-10°	507.8	740.5	1024.6	1331.0	1629.8	2022.0	2621.2	4433.8	7817.1	12063.2	17257.6
-12.5°	588.9	843.7	1159.0	1502.0	1843.5	2263.5	2896.6	4610.6	8147.6	12852.7	18339.2
-15°	660.2	934.5	1276.1	1655.1	2037.1	2474.6	3110.9	4519.6	8057.7	13314.7	19311.1
-17.5°	720.1	1011.2	1373.6	1788.5	2208.0	2652.1	3282.0	4410.4	7815.7	13139.2	19623.5
-20°	767.3	1072.6	1449.7	1900.3	2352.7	2815.1	3526.8	4709.1	7520.4	12359.7	18949.1



REPORT NUMBER: P1212189 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-70-5S-ECV

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	800.6	1117.4	1507.5	1978.9	2460.9	2960.1	3669.7	4830.7	6887.4	10955.2	18147.5
-25°	825.4	1152.3	1550.3	2027.3	2541.2	3065.0	3687.6	4791.7	6478.1	10543.0	16998.2
-27.5°	842.8	1167.9	1573.8	2047.8	2593.4	3129.3	3723.4	4725.7	6637.9	9805.2	15099.0
-30°	846.4	1170.0	1574.3	2044.4	2597.7	3160.3	3754.9	4683.8	6469.0	9324.7	13760.1
-32.5°	842.0	1156.5	1560.1	2025.8	2563.2	3158.0	3819.9	4718.8	6208.7	8532.6	12195.6
-35°	833.6	1144.8	1527.9	1979.5	2496.8	3118.6	3839.0	4696.3	5802.0	7798.6	10865.2
-37.5°	821.1	1116.8	1474.6	1913.6	2418.2	3034.2	3769.4	4595.8	5620.2	7027.2	9738.3
-40°	795.5	1072.5	1420.1	1832.7	2323.1	2907.8	3606.8	4417.3	5349.9	6770.7	8597.6
-42.5°	759.6	1028.9	1353.0	1729.1	2206.8	2758.2	3383.4	4154.5	5125.3	6348.6	7934.2
-45°	733.6	970.2	1270.4	1630.3	2060.4	2575.8	3166.6	3831.5	4787.3	5896.6	7207.1
-47.5°	695.9	903.9	1184.3	1502.4	1898.6	2369.4	2911.3	3568.3	4355.0	5357.5	6497.2
-50°	653.1	845.1	1075.5	1369.7	1717.6	2140.9	2635.2	3244.4	3950.7	4765.8	5746.8
-52.5°	620.4	772.9	979.3	1224.2	1532.5	1896.5	2355.3	2898.7	3514.7	4202.4	5082.7
-55°	580.2	715.3	877.0	1090.0	1343.8	1658.2	2060.9	2548.0	3067.5	3673.6	4417.0
-57.5°	546.3	655.8	790.5	958.5	1174.5	1425.7	1789.5	2189.1	2656.2	3160.2	3777.7
-60°	515.0	601.0	712.7	849.5	1009.6	1240.3	1517.1	1859.9	2247.4	2676.0	3198.1
-62.5°	481.3	552.9	640.8	750.9	886.1	1057.5	1294.1	1561.7	1848.3	2221.5	2639.5
-65°	451.8	503.8	574.2	663.4	765.9	915.2	1092.0	1292.3	1538.8	1819.3	2122.0
-67.5°	418.9	465.0	515.7	575.7	663.9	777.3	902.8	1067.5	1253.4	1467.4	1701.0
-70°	397.0	426.3	467.8	515.6	571.4	649.3	753.7	868.1	997.4	1159.5	1349.2
-72.5°	376.8	403.2	430.7	459.3	506.0	564.3	628.4	697.8	794.8	919.4	1051.9
-75°	359.7	379.6	403.4	428.6	458.2	493.0	533.1	588.2	655.5	733.5	816.6
-77.5°	345.1	363.4	381.7	400.2	420.5	447.2	476.6	508.8	551.6	599.8	650.1
-80°	331.3	346.8	363.5	380.3	396.1	412.9	430.9	449.8	478.9	514.2	553.5
-82.5°	319.5	333.8	348.2	362.5	373.7	384.9	396.9	410.7	432.3	456.0	481.0
-85°	307.8	320.6	333.7	346.9	355.8	364.7	373.8	383.1	397.0	411.6	426.8
-87.5°	298.1	309.8	321.5	333.2	339.6	346.0	352.5	359.2	368.0	377.0	386.2
-90°	100.5	96.9	93.4	89.8	85.8	81.8	77.7	73.7	69.2	64.6	60.1



REPORT NUMBER: P1212189 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-70-5S-ECV

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	358.3	367.4	376.5	385.6	394.7	407.1	419.4	431.8	444.1	460.0	475.9
87.5°	55.5	51.3	47.0	42.7	38.4	34.4	30.3	26.3	22.2	18.7	15.2
85°	55.7	51.4	47.1	42.8	38.5	34.5	30.4	26.4	22.3	18.5	14.7
82.5°	55.9	51.6	47.3	43.0	38.7	34.6	30.6	26.5	22.4	18.6	14.8
80°	56.3	51.9	47.6	43.3	39.0	34.9	30.8	26.7	22.6	18.7	14.9
77.5°	56.7	52.3	48.0	43.6	39.3	35.1	31.0	26.9	22.8	18.9	15.0
75°	57.1	52.8	48.4	44.1	39.7	35.5	31.3	27.2	23.0	19.1	15.2
72.5°	57.7	53.3	49.0	44.6	40.2	35.9	31.7	27.5	23.3	19.3	15.4
70°	58.4	54.0	49.6	45.2	40.8	36.4	32.2	27.9	23.7	19.6	15.6
67.5°	59.2	54.8	50.4	45.9	41.4	37.0	32.7	28.4	24.1	19.9	15.9
65°	60.2	55.7	51.2	46.7	42.2	37.7	33.2	28.7	24.0	19.7	15.7
62.5°	61.4	56.6	51.8	47.3	42.8	38.5	33.8	29.1	24.3	19.8	15.9
60°	62.0	57.0	52.4	48.1	43.7	39.3	34.6	29.8	25.0	20.3	16.3
57.5°	63.1	58.3	53.5	49.2	44.7	40.3	35.6	30.8	26.1	21.5	17.2
55°	64.6	59.7	54.8	50.5	46.1	41.5	36.7	31.9	26.9	21.8	17.4
52.5°	66.2	61.6	57.1	52.5	47.7	42.8	37.8	32.7	27.8	22.8	18.3
50°	68.2	63.7	59.1	54.1	49.2	44.2	39.1	34.1	28.9	23.6	18.6
47.5°	70.5	66.0	61.1	55.9	50.9	45.8	40.6	35.2	29.9	24.6	19.6
45°	73.2	68.3	63.2	57.9	52.8	47.6	42.2	36.8	31.5	26.1	20.7
42.5°	75.4	70.3	65.1	60.1	54.8	49.5	44.1	38.4	32.9	27.0	21.0
40°	77.4	72.4	67.9	62.8	57.3	51.7	45.9	40.2	34.3	28.3	22.4
37.5°	80.2	75.9	71.2	66.1	60.0	53.4	48.2	42.6	36.4	30.3	24.1
35°	83.9	79.9	75.2	69.7	63.6	57.7	51.9	45.5	38.5	32.6	25.9
32.5°	88.5	85.1	80.7	74.9	69.6	62.7	55.8	50.7	44.1	37.6	30.9
30°	94.4	93.1	86.8	80.9	74.4	68.7	64.4	58.8	52.8	46.2	36.9
27.5°	102.5	98.8	90.9	85.3	80.9	76.9	72.2	66.3	58.3	49.7	38.3
25°	107.8	101.2	95.6	91.7	88.6	84.7	78.4	70.8	59.2	47.1	37.0
22.5°	111.3	106.2	102.2	99.5	96.6	91.2	82.4	70.0	58.5	48.3	38.4
20°	116.8	111.6	112.7	113.0	104.8	98.9	85.3	71.6	61.3	50.8	40.4
17.5°	137.7	122.5	132.3	142.0	131.4	109.7	103.0	85.5	74.0	62.4	48.6
15°	177.0	181.1	184.1	183.4	179.0	160.6	139.6	134.6	118.2	107.0	93.4
12.5°	234.1	271.0	341.3	465.8	284.2	239.6	341.2	348.5	239.6	200.3	183.9
10°	633.0	389.2	691.6	1829.0	3847.6	4313.8	1154.5	3456.6	4161.7	5735.3	1631.5
7.5°	1959.5	2958.7	3834.2	5418.9	10530.4	16787.1	19216.8	20892.9	28165.7	35247.9	38211.0
5°	3549.5	6309.3	9878.8	14729.0	22144.9	31625.6	40612.1	52246.6	61532.3	75648.5	88343.4
2.5°	6798.2	11477.8	17457.7	24904.1	33861.0	45418.5	58441.8	77518.3	93641.6	107482.0	117353.0
0°	12284.7	20608.4	30287.7	44185.5	57194.9	75314.0	92389.4	116552.0	137742.8	158646.4	174333.3
-2.5°	16760.3	24825.3	35788.0	50715.6	66627.6	82787.8	103457.2	128915.0	155348.9	178810.6	197290.5
-5°	20398.3	28947.8	41293.9	56433.3	72114.4	87986.6	106406.7	131794.1	160268.2	183208.5	200331.2
-7.5°	23051.8	32398.9	45541.9	60930.6	76740.6	94169.3	114685.1	139294.2	164647.3	190614.8	210066.5
-10°	24736.4	34840.4	48104.3	64541.5	81869.5	100720.2	121929.0	146518.0	171925.1	199042.8	223924.0
-12.5°	26050.4	36489.8	48951.2	66257.9	84400.7	105486.6	128008.3	151864.3	178478.9	206555.4	229414.9
-15°	27106.4	37282.9	49405.2	66807.2	87129.7	108042.3	131559.1	156931.8	183293.4	209890.8	233222.3
-17.5°	27696.5	37620.0	50562.9	66779.1	88059.7	108295.0	131625.6	157676.4	185839.4	212659.0	233676.2
-20°	27450.9	37846.9	50724.5	66276.9	85066.4	105793.9	127768.1	155017.9	183680.9	209403.4	230202.9



REPORT NUMBER: P1212189 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-70-5S-ECV

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	27022.8	37215.8	49233.6	63888.2	80519.2	99684.3	122172.1	150641.6	179342.1	201582.7	222979.9
-25°	25738.7	35447.0	46793.7	60321.0	75358.7	93060.9	116188.5	142180.3	167174.2	190144.7	210045.1
-27.5°	23419.3	33129.7	43850.4	56042.8	69805.8	86587.4	107378.4	130062.7	151761.3	172951.6	192018.5
-30°	19902.3	29619.2	40027.2	51284.3	64320.5	79514.7	96669.4	115562.4	135184.4	153882.1	170372.8
-32.5°	17519.8	24704.5	34834.1	45740.8	57650.9	71115.7	85897.9	102173.6	118453.8	133820.5	148133.4
-35°	14903.6	20761.6	28161.1	39001.0	50351.2	61964.9	75008.6	89342.1	103821.5	116502.7	128550.2
-37.5°	13090.2	17150.6	23409.3	31353.8	41466.7	52628.9	64488.3	76586.4	88439.1	99764.5	110564.2
-40°	11474.5	14866.4	19743.3	25572.4	33268.9	41895.1	52819.8	63840.6	74109.0	83723.6	92951.1
-42.5°	9941.6	13085.4	17051.1	21788.1	27035.5	33656.0	41792.5	50372.3	58520.6	66979.6	74816.0
-45°	8849.7	11406.4	14446.7	18382.7	22679.7	27678.1	33101.7	38626.6	45039.2	51439.2	56832.7
-47.5°	8038.0	9983.0	12460.8	15284.2	18556.0	22566.1	26781.9	30973.0	35399.4	39789.7	43279.3
-50°	7155.5	8794.7	10725.0	12885.1	15504.0	18354.0	21315.6	24568.5	28046.0	31394.9	33840.8
-52.5°	6186.7	7570.3	9120.9	10952.7	13055.2	15225.9	17454.9	20045.1	22646.1	25180.0	26889.4
-55°	5339.0	6407.4	7573.9	9088.0	10800.6	12637.3	14504.4	16367.7	18334.1	20360.8	21616.4
-57.5°	4522.6	5347.5	6293.8	7456.5	8700.3	10011.2	11494.2	13045.3	14555.8	15969.8	16887.7
-60°	3763.3	4367.2	5162.3	6061.1	6989.3	7942.7	9114.1	10305.0	11487.1	12548.8	13223.2
-62.5°	3085.0	3582.9	4188.7	4865.3	5586.6	6368.8	7212.2	8085.7	8976.3	9752.9	10276.5
-65°	2465.6	2864.0	3327.0	3819.2	4337.0	4941.9	5592.6	6242.6	6886.2	7421.6	7816.6
-67.5°	1970.4	2258.3	2583.9	2920.4	3308.5	3749.9	4237.6	4726.7	5212.7	5610.4	5925.3
-70°	1547.2	1760.8	1998.9	2255.5	2537.5	2850.6	3197.7	3545.5	3891.3	4169.7	4405.7
-72.5°	1191.4	1346.8	1523.7	1722.0	1924.5	2150.0	2397.5	2651.6	2909.3	3109.6	3281.6
-75°	904.3	1011.9	1145.4	1283.5	1425.1	1583.0	1747.3	1911.0	2072.8	2198.2	2310.4
-77.5°	711.4	792.4	879.9	969.1	1059.6	1164.8	1275.5	1387.4	1499.8	1584.6	1662.6
-80°	594.2	644.3	698.8	755.8	814.7	884.6	956.8	1029.5	1102.2	1158.6	1211.9
-82.5°	507.1	539.8	573.8	608.7	644.1	690.3	737.9	785.9	833.9	873.7	912.7
-85°	442.5	463.9	486.0	508.6	531.4	562.8	594.9	627.1	659.5	687.1	714.4
-87.5°	395.5	409.5	423.6	437.9	452.2	472.4	492.8	513.2	533.7	553.1	572.3
-90°	55.5	51.2	47.0	42.7	38.4	34.4	30.3	26.3	22.2	18.7	15.2



REPORT NUMBER: P1212189 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-70-5S-ECV

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	491.8	507.7	510.8	513.8	510.8	507.7	491.8	475.9	460.0	444.1	431.8
87.5°	11.6	8.1	5.1	2.0	5.1	8.1	11.6	15.2	18.7	22.2	26.3
85°	10.9	7.1	4.6	2.0	4.6	7.1	10.9	14.7	18.5	22.3	26.4
82.5°	11.0	7.2	4.1	1.0	4.1	7.2	11.0	14.8	18.6	22.4	26.5
80°	11.0	7.2	4.6	2.0	4.6	7.2	11.0	14.9	18.7	22.6	26.7
77.5°	11.1	7.3	4.1	1.0	4.1	7.3	11.1	15.0	18.9	22.8	26.9
75°	11.3	7.4	4.2	1.0	4.2	7.4	11.3	15.2	19.1	23.0	27.2
72.5°	11.4	7.5	4.7	2.0	4.7	7.5	11.4	15.4	19.3	23.3	27.5
70°	11.6	7.6	4.2	1.0	4.2	7.6	11.6	15.6	19.6	23.7	27.9
67.5°	11.8	7.7	4.3	1.0	4.3	7.7	11.8	15.9	19.9	24.1	28.4
65°	11.7	7.8	4.4	1.0	4.4	7.8	11.7	15.7	19.7	24.0	28.7
62.5°	12.0	8.0	4.4	1.0	4.4	8.0	12.0	15.9	19.8	24.3	29.1
60°	12.2	8.2	4.5	1.0	4.5	8.2	12.2	16.3	20.3	25.0	29.8
57.5°	12.9	8.5	4.2	0.0	4.2	8.5	12.9	17.2	21.5	26.1	30.8
55°	13.0	8.7	4.7	1.0	4.7	8.7	13.0	17.4	21.8	26.9	31.9
52.5°	13.7	9.0	4.8	1.0	4.8	9.0	13.7	18.3	22.8	27.8	32.7
50°	13.9	9.2	4.6	0.0	4.6	9.2	13.9	18.6	23.6	28.9	34.1
47.5°	14.7	9.8	4.8	0.0	4.8	9.8	14.7	19.6	24.6	29.9	35.2
45°	15.5	10.2	5.3	1.0	5.3	10.2	15.5	20.7	26.1	31.5	36.8
42.5°	15.7	10.5	5.3	0.0	5.3	10.5	15.7	21.0	27.0	32.9	38.4
40°	16.9	11.2	5.5	0.0	5.5	11.2	16.9	22.4	28.3	34.3	40.2
37.5°	18.0	11.9	6.0	1.0	6.0	11.9	18.0	24.1	30.3	36.4	42.6
35°	19.1	12.6	6.3	1.0	6.3	12.6	19.1	25.9	32.6	38.5	45.5
32.5°	23.5	15.9	7.6	1.0	7.6	15.9	23.5	30.9	37.6	44.1	50.7
30°	27.5	18.4	9.0	0.0	9.0	18.4	27.5	36.9	46.2	52.8	58.8
27.5°	28.0	18.3	8.8	1.0	8.8	18.3	28.0	38.3	49.7	58.3	66.3
25°	27.8	18.7	10.3	3.0	10.3	18.7	27.8	37.0	47.1	59.2	70.8
22.5°	28.3	18.8	10.1	6.1	10.1	18.8	28.3	38.4	48.3	58.5	70.0
20°	30.8	21.3	14.2	8.1	14.2	21.3	30.8	40.4	50.8	61.3	71.6
17.5°	44.0	33.2	25.7	21.2	25.7	33.2	44.0	48.6	62.4	74.0	85.5
15°	81.6	69.5	59.6	54.5	59.6	69.5	81.6	93.4	107.0	118.2	134.6
12.5°	147.5	127.3	110.0	90.3	110.0	127.3	147.5	183.9	200.3	239.6	348.5
10°	4075.8	3386.8	2868.5	1780.6	2868.5	3386.8	4075.8	1631.5	5735.3	4161.7	3456.6
7.5°	41074.1	45973.0	48759.2	51842.5	48759.2	45973.0	41074.1	38211.0	35247.9	28165.7	20892.9
5°	95654.8	109147.7	108932.9	114064.8	108932.9	109147.7	95654.8	88343.4	75648.5	61532.3	52246.6
2.5°	127407.2	137953.0	138370.2	139498.7	138370.2	137953.0	127407.2	117353.0	107482.0	93641.6	77518.3
0°	187948.9	199347.8	201158.7	201615.0	201158.7	199347.8	187948.9	174333.3	158646.4	137742.8	116552.0
-2.5°	214065.7	227150.1	230755.9	231786.1	230755.9	227150.1	214065.7	197290.5	178810.6	155348.9	128915.0
-5°	215566.2	226127.9	229512.5	231093.2	229512.5	226127.9	215566.2	200331.2	183208.5	160268.2	131794.1
-7.5°	226308.9	235162.6	238415.5	239408.3	238415.5	235162.6	226308.9	210066.5	190614.8	164647.3	139294.2
-10°	240107.1	249647.0	254321.8	254306.9	254321.8	249647.0	240107.1	223924.0	199042.8	171925.1	146518.0
-12.5°	248795.7	262540.7	268549.2	270936.6	268549.2	262540.7	248795.7	229414.9	206555.4	178478.9	151864.3
-15°	251415.7	266117.5	273785.7	276827.1	273785.7	266117.5	251415.7	233222.3	209890.8	183293.4	156931.8
-17.5°	250858.7	265752.9	272410.1	274401.4	272410.1	265752.9	250858.7	233676.2	212659.0	185839.4	157676.4
-20°	246735.6	261165.1	268667.9	270590.9	268667.9	261165.1	246735.6	230202.9	209403.4	183680.9	155017.9



REPORT NUMBER: P1212189 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-70-5S-ECV

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	239161.0	252038.1	259328.3	261929.0	259328.3	252038.1	239161.0	222979.9	201582.7	179342.1	150641.6
-25°	227068.1	239045.3	246778.4	250495.3	246778.4	239045.3	227068.1	210045.1	190144.7	167174.2	142180.3
-27.5°	209537.1	220507.7	228868.7	230053.5	228868.7	220507.7	209537.1	192018.5	172951.6	151761.3	130062.7
-30°	186286.4	195208.1	201975.2	204047.7	201975.2	195208.1	186286.4	170372.8	153882.1	135184.4	115562.4
-32.5°	160190.1	168008.0	174028.8	176378.4	174028.8	168008.0	160190.1	148133.4	133820.5	118453.8	102173.6
-35°	138030.3	144884.7	150166.2	151006.6	150166.2	144884.7	138030.3	128550.2	116502.7	103821.5	89342.1
-37.5°	118012.8	123423.4	127344.2	128555.0	127344.2	123423.4	118012.8	110564.2	99764.5	88439.1	76586.4
-40°	98351.7	102843.9	105883.4	106203.4	105883.4	102843.9	98351.7	92951.1	83723.6	74109.0	63840.6
-42.5°	78886.8	82037.3	84071.0	84796.5	84071.0	82037.3	78886.8	74816.0	66979.6	58520.6	50372.3
-45°	59944.6	62370.5	64267.7	65750.8	64267.7	62370.5	59944.6	56832.7	51439.2	45039.2	38626.6
-47.5°	45558.5	47442.1	48460.6	48547.2	48460.6	47442.1	45558.5	43279.3	39789.7	35399.4	30973.0
-50°	35597.3	37062.8	37866.9	38060.3	37866.9	37062.8	35597.3	33840.8	31394.9	28046.0	24568.5
-52.5°	28307.1	29589.2	30330.1	30599.6	30330.1	29589.2	28307.1	26889.4	25180.0	22646.1	20045.1
-55°	22701.3	23643.8	24363.3	24890.3	24363.3	23643.8	22701.3	21616.4	20360.8	18334.1	16367.7
-57.5°	17727.6	18478.1	18877.5	19047.8	18877.5	18478.1	17727.6	16887.7	15969.8	14555.8	13045.3
-60°	13837.1	14383.8	14697.5	14872.8	14697.5	14383.8	13837.1	13223.2	12548.8	11487.1	10305.0
-62.5°	10751.2	11173.1	11380.6	11480.2	11380.6	11173.1	10751.2	10276.5	9752.9	8976.3	8085.7
-65°	8177.0	8500.6	8689.0	8816.3	8689.0	8500.6	8177.0	7816.6	7421.6	6886.2	6242.6
-67.5°	6215.7	6480.1	6531.6	6519.9	6531.6	6480.1	6215.7	5925.3	5610.4	5212.7	4726.7
-70°	4629.7	4839.2	4878.0	4875.5	4878.0	4839.2	4629.7	4405.7	4169.7	3891.3	3545.5
-72.5°	3443.6	3594.2	3644.8	3671.3	3644.8	3594.2	3443.6	3281.6	3109.6	2909.3	2651.6
-75°	2416.8	2516.5	2569.0	2610.4	2569.0	2516.5	2416.8	2310.4	2198.2	2072.8	1911.0
-77.5°	1737.4	1808.5	1829.4	1843.2	1829.4	1808.5	1737.4	1662.6	1584.6	1499.8	1387.4
-80°	1263.4	1312.9	1320.1	1323.4	1320.1	1312.9	1263.4	1211.9	1158.6	1102.2	1029.5
-82.5°	950.9	988.2	993.1	996.3	993.1	988.2	950.9	912.7	873.7	833.9	785.9
-85°	741.3	767.8	773.9	779.3	773.9	767.8	741.3	714.4	687.1	659.5	627.1
-87.5°	591.4	610.3	613.1	615.7	613.1	610.3	591.4	572.3	553.1	533.7	513.2
-90°	11.6	8.1	5.0	2.0	5.0	8.1	11.6	15.2	18.7	22.2	26.3



REPORT NUMBER: P1212189 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-70-5S-ECV

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	419.4	407.1	394.7	385.6	376.5	367.4	358.3	353.0	347.7	342.4	337.1
87.5°	30.3	34.4	38.4	42.7	47.0	51.3	55.5	60.1	64.6	69.2	73.7
85°	30.4	34.5	38.5	42.8	47.1	51.4	55.7	60.2	64.8	69.3	73.9
82.5°	30.6	34.6	38.7	43.0	47.3	51.6	55.9	60.5	65.0	69.6	74.1
80°	30.8	34.9	39.0	43.3	47.6	51.9	56.3	60.8	65.4	69.9	74.4
77.5°	31.0	35.1	39.3	43.6	48.0	52.3	56.7	61.3	65.8	70.4	74.8
75°	31.3	35.5	39.7	44.1	48.4	52.8	57.1	61.5	66.0	70.6	75.1
72.5°	31.7	35.9	40.2	44.6	49.0	53.3	57.7	62.1	66.4	70.7	75.1
70°	32.2	36.4	40.8	45.2	49.6	54.0	58.4	62.8	67.1	71.5	75.7
67.5°	32.7	37.0	41.4	45.9	50.4	54.8	59.2	63.6	68.0	72.3	76.6
65°	33.2	37.7	42.2	46.7	51.2	55.7	60.2	64.5	68.9	73.2	77.5
62.5°	33.8	38.5	42.8	47.3	51.8	56.6	61.4	65.9	70.2	74.3	78.6
60°	34.6	39.3	43.7	48.1	52.4	57.0	62.0	67.1	72.0	76.0	79.9
57.5°	35.6	40.3	44.7	49.2	53.5	58.3	63.1	67.8	72.7	77.3	81.5
55°	36.7	41.5	46.1	50.5	54.8	59.7	64.6	69.3	73.9	78.2	82.6
52.5°	37.8	42.8	47.7	52.5	57.1	61.6	66.2	71.0	75.4	79.7	83.9
50°	39.1	44.2	49.2	54.1	59.1	63.7	68.2	72.8	77.2	81.4	85.6
47.5°	40.6	45.8	50.9	55.9	61.1	66.0	70.5	74.7	79.0	83.3	87.4
45°	42.2	47.6	52.8	57.9	63.2	68.3	73.2	77.2	81.1	85.3	89.3
42.5°	44.1	49.5	54.8	60.1	65.1	70.3	75.4	79.6	83.5	87.4	91.3
40°	45.9	51.7	57.3	62.8	67.9	72.4	77.4	81.8	85.8	89.7	93.3
37.5°	48.2	53.4	60.0	66.1	71.2	75.9	80.2	84.5	88.3	92.1	95.6
35°	51.9	57.7	63.6	69.7	75.2	79.9	83.9	87.8	91.5	94.8	98.2
32.5°	55.8	62.7	69.6	74.9	80.7	85.1	88.5	91.7	95.2	98.3	101.2
30°	64.4	68.7	74.4	80.9	86.8	93.1	94.4	96.6	99.4	102.2	104.5
27.5°	72.2	76.9	80.9	85.3	90.9	98.8	102.5	102.2	104.1	106.4	108.5
25°	78.4	84.7	88.6	91.7	95.6	101.2	107.8	108.4	109.5	111.1	112.9
22.5°	82.4	91.2	96.6	99.5	102.2	106.2	111.3	113.7	115.5	116.9	117.8
20°	85.3	98.9	104.8	113.0	112.7	111.6	116.8	122.7	125.2	124.0	123.3
17.5°	103.0	109.7	131.4	142.0	132.3	122.5	137.7	144.4	139.1	131.9	129.2
15°	139.6	160.6	179.0	183.4	184.1	181.1	177.0	173.3	157.7	142.9	148.8
12.5°	341.2	239.6	284.2	465.8	341.3	271.0	234.1	209.5	215.6	227.1	223.3
10°	1154.5	4313.8	3847.6	1829.0	691.6	389.2	633.0	571.5	440.3	359.4	310.6
7.5°	19216.8	16787.1	10530.4	5418.9	3834.2	2958.7	1959.5	1168.4	707.1	505.6	407.1
5°	40612.1	31625.6	22144.9	14729.0	9878.8	6309.3	3549.5	1860.2	999.4	659.9	514.5
2.5°	58441.8	45418.5	33861.0	24904.1	17457.7	11477.8	6798.2	4494.1	3245.9	2273.7	1399.0
0°	92389.4	75314.0	57194.9	44185.5	30287.7	20608.4	12284.7	8761.8	6437.1	4210.3	2302.5
-2.5°	103457.2	82787.8	66627.6	50715.6	35788.0	24825.3	16760.3	11828.5	7925.0	5140.1	2908.5
-5°	106406.7	87986.6	72114.4	56433.3	41293.9	28947.8	20398.3	14240.6	9369.6	6013.1	3434.0
-7.5°	114685.1	94169.3	76740.6	60930.6	45541.9	32398.9	23051.8	15949.5	10883.7	7080.9	4026.7
-10°	121929.0	100720.2	81869.5	64541.5	48104.3	34840.4	24736.4	17257.6	12063.2	7817.1	4433.8
-12.5°	128008.3	105486.6	84400.7	66257.9	48951.2	36489.8	26050.4	18339.2	12852.7	8147.6	4610.6
-15°	131559.1	108042.3	87129.7	66807.2	49405.2	37282.9	27106.4	19311.1	13314.7	8057.7	4519.6
-17.5°	131625.6	108295.0	88059.7	66779.1	50562.9	37620.0	27696.5	19623.5	13139.2	7815.7	4410.4
-20°	127768.1	105793.9	85066.4	66276.9	50724.5	37846.9	27450.9	18949.1	12359.7	7520.4	4709.1



REPORT NUMBER: P1212189 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-70-5S-ECV

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	122172.1	99684.3	80519.2	63888.2	49233.6	37215.8	27022.8	18147.5	10955.2	6887.4	4830.7
-25°	116188.5	93060.9	75358.7	60321.0	46793.7	35447.0	25738.7	16998.2	10543.0	6478.1	4791.7
-27.5°	107378.4	86587.4	69805.8	56042.8	43850.4	33129.7	23419.3	15099.0	9805.2	6637.9	4725.7
-30°	96669.4	79514.7	64320.5	51284.3	40027.2	29619.2	19902.3	13760.1	9324.7	6469.0	4683.8
-32.5°	85897.9	71115.7	57650.9	45740.8	34834.1	24704.5	17519.8	12195.6	8532.6	6208.7	4718.8
-35°	75008.6	61964.9	50351.2	39001.0	28161.1	20761.6	14903.6	10865.2	7798.6	5802.0	4696.3
-37.5°	64488.3	52628.9	41466.7	31353.8	23409.3	17150.6	13090.2	9738.3	7027.2	5620.2	4595.8
-40°	52819.8	41895.1	33268.9	25572.4	19743.3	14866.4	11474.5	8597.6	6770.7	5349.9	4417.3
-42.5°	41792.5	33656.0	27035.5	21788.1	17051.1	13085.4	9941.6	7934.2	6348.6	5125.3	4154.5
-45°	33101.7	27678.1	22679.7	18382.7	14446.7	11406.4	8849.7	7207.1	5896.6	4787.3	3831.5
-47.5°	26781.9	22566.1	18556.0	15284.2	12460.8	9983.0	8038.0	6497.2	5357.5	4355.0	3568.3
-50°	21315.6	18354.0	15504.0	12885.1	10725.0	8794.7	7155.5	5746.8	4765.8	3950.7	3244.4
-52.5°	17454.9	15225.9	13055.2	10952.7	9120.9	7570.3	6186.7	5082.7	4202.4	3514.7	2898.7
-55°	14504.4	12637.3	10800.6	9088.0	7573.9	6407.4	5339.0	4417.0	3673.6	3067.5	2548.0
-57.5°	11494.2	10011.2	8700.3	7456.5	6293.8	5347.5	4522.6	3777.7	3160.2	2656.2	2189.1
-60°	9114.1	7942.7	6989.3	6061.1	5162.3	4367.2	3763.3	3198.1	2676.0	2247.4	1859.9
-62.5°	7212.2	6368.8	5586.6	4865.3	4188.7	3582.9	3085.0	2639.5	2221.5	1848.3	1561.7
-65°	5592.6	4941.9	4337.0	3819.2	3327.0	2864.0	2465.6	2122.0	1819.3	1538.8	1292.3
-67.5°	4237.6	3749.9	3308.5	2920.4	2583.9	2258.3	1970.4	1701.0	1467.4	1253.4	1067.5
-70°	3197.7	2850.6	2537.5	2255.5	1998.9	1760.8	1547.2	1349.2	1159.5	997.4	868.1
-72.5°	2397.5	2150.0	1924.5	1722.0	1523.7	1346.8	1191.4	1051.9	919.4	794.8	697.8
-75°	1747.3	1583.0	1425.1	1283.5	1145.4	1011.9	904.3	816.6	733.5	655.5	588.2
-77.5°	1275.5	1164.8	1059.6	969.1	879.9	792.4	711.4	650.1	599.8	551.6	508.8
-80°	956.8	884.6	814.7	755.8	698.8	644.3	594.2	553.5	514.2	478.9	449.8
-82.5°	737.9	690.3	644.1	608.7	573.8	539.8	507.1	481.0	456.0	432.3	410.7
-85°	594.9	562.8	531.4	508.6	486.0	463.9	442.5	426.8	411.6	397.0	383.1
-87.5°	492.8	472.4	452.2	437.9	423.6	409.5	395.5	386.2	377.0	368.0	359.2
-90°	30.3	34.4	38.4	42.7	47.0	51.2	55.5	60.1	64.6	69.2	73.7



REPORT NUMBER: P1212189 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-70-5S-ECV

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	332.8	328.6	324.3	320.0	309.4	298.8	288.2	277.6	261.2	244.8	228.4
87.5°	77.8	81.8	85.8	89.8	93.4	96.9	100.5	104.0	107.0	110.1	113.1
85°	77.9	81.9	85.9	89.9	93.5	97.0	100.6	104.1	107.1	110.1	113.2
82.5°	78.1	82.1	86.2	90.1	93.7	97.2	100.7	104.2	107.2	110.2	113.2
80°	78.4	82.4	86.5	90.4	93.9	97.4	101.0	104.4	107.4	110.4	113.4
77.5°	78.8	82.8	86.8	90.7	94.2	97.7	101.2	104.6	107.6	110.6	113.5
75°	79.3	83.3	87.3	91.1	94.6	98.1	101.6	104.9	107.9	110.8	113.8
72.5°	79.5	83.7	87.8	91.6	95.1	98.5	102.0	105.2	108.2	111.1	114.0
70°	80.0	84.2	88.5	92.2	95.6	99.1	102.5	105.6	108.5	111.4	114.3
67.5°	80.8	85.0	89.2	92.8	96.2	99.6	103.0	106.0	108.9	111.8	114.6
65°	81.7	85.9	90.1	93.5	96.9	100.3	103.6	106.5	109.4	112.2	115.0
62.5°	82.8	87.0	90.9	94.3	97.7	101.0	104.3	107.1	109.8	112.6	115.3
60°	83.9	88.1	91.8	95.1	98.5	101.8	104.9	107.6	110.4	113.1	115.8
57.5°	85.3	89.3	92.8	96.1	99.4	102.6	105.7	108.4	110.9	113.6	116.2
55°	86.7	90.5	93.9	97.1	100.4	103.6	106.5	109.2	111.6	114.2	116.6
52.5°	88.1	91.8	95.3	98.3	101.4	104.5	107.5	110.1	112.5	114.8	117.0
50°	89.7	93.2	96.7	99.9	102.6	105.6	108.6	111.2	113.5	115.5	117.5
47.5°	91.3	94.8	98.2	101.5	104.3	106.6	109.5	112.3	114.5	116.4	118.0
45°	92.9	96.4	99.7	103.0	105.8	107.9	110.5	113.5	115.6	117.3	118.5
42.5°	94.7	98.1	101.3	104.5	107.1	109.2	111.4	114.4	116.8	118.1	119.2
40°	96.6	99.9	103.1	106.0	108.5	110.6	112.6	115.3	118.0	119.0	120.0
37.5°	98.7	101.9	104.9	107.7	110.0	112.0	113.9	116.1	119.0	120.0	120.8
35°	101.2	103.9	106.8	109.4	111.7	113.5	115.1	117.1	119.8	121.0	121.6
32.5°	103.9	106.2	108.8	111.2	113.5	115.2	116.5	118.5	120.7	122.1	122.4
30°	107.0	109.0	110.9	113.0	115.3	116.9	118.3	120.1	121.8	123.1	123.3
27.5°	110.4	112.0	113.4	115.2	117.1	118.8	120.6	121.8	123.0	124.2	124.2
25°	114.2	115.4	116.3	117.5	119.0	122.0	123.2	123.7	124.4	125.2	125.2
22.5°	118.5	119.0	119.3	119.9	123.3	125.5	125.9	126.0	126.1	126.4	126.1
20°	122.9	123.0	123.9	126.7	128.5	129.4	129.0	128.3	127.8	127.6	127.1
17.5°	127.6	134.8	137.5	135.6	134.4	133.7	132.3	130.7	129.6	128.8	128.1
15°	160.6	160.0	154.0	146.1	140.7	138.4	135.7	133.3	131.5	130.1	130.1
12.5°	208.5	189.9	172.9	157.8	147.4	143.3	139.2	135.8	133.4	133.4	133.6
10°	263.7	223.3	193.5	170.5	154.3	148.5	142.8	141.2	139.4	138.3	137.1
7.5°	323.8	259.1	215.2	183.7	170.2	168.2	161.6	153.0	146.2	143.3	140.7
5°	448.7	383.2	330.4	280.4	235.5	204.6	183.6	165.2	153.0	148.4	144.3
2.5°	843.8	646.5	507.3	392.7	303.1	241.7	206.0	177.6	159.8	153.5	147.9
0°	1240.6	910.5	684.4	504.7	370.5	278.6	228.1	189.8	166.6	158.5	151.4
-2.5°	1597.7	1199.2	927.9	726.8	546.7	402.7	303.0	235.5	193.2	174.8	162.5
-5°	1934.5	1475.7	1164.4	941.4	716.4	522.0	375.2	279.6	219.1	190.7	173.4
-7.5°	2293.3	1754.0	1398.7	1144.5	875.8	633.1	442.8	321.1	243.9	206.1	184.0
-10°	2621.2	2022.0	1629.8	1331.0	1024.6	740.5	507.8	358.9	267.1	220.8	194.1
-12.5°	2896.6	2263.5	1843.5	1502.0	1159.0	843.7	588.9	408.8	290.5	234.6	203.8
-15°	3110.9	2474.6	2037.1	1655.1	1276.1	934.5	660.2	460.6	327.8	252.4	212.9
-17.5°	3282.0	2652.1	2208.0	1788.5	1373.6	1011.2	720.1	505.0	360.4	274.9	225.0
-20°	3526.8	2815.1	2352.7	1900.3	1449.7	1072.6	767.3	541.1	387.6	294.8	239.0



REPORT NUMBER: P1212189 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-70-5S-ECV

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3669.7	2960.1	2460.9	1978.9	1507.5	1117.4	800.6	568.1	408.7	311.9	251.6
-25°	3687.6	3065.0	2541.2	2027.3	1550.3	1152.3	825.4	585.3	423.3	325.7	262.6
-27.5°	3723.4	3129.3	2593.4	2047.8	1573.8	1167.9	842.8	602.0	434.2	336.2	271.8
-30°	3754.9	3160.3	2597.7	2044.4	1574.3	1170.0	846.4	609.4	446.0	345.7	279.2
-32.5°	3819.9	3158.0	2563.2	2025.8	1560.1	1156.5	842.0	606.7	452.9	353.8	285.8
-35°	3839.0	3118.6	2496.8	1979.5	1527.9	1144.8	833.6	593.7	454.6	359.3	291.4
-37.5°	3769.4	3034.2	2418.2	1913.6	1474.6	1116.8	821.1	592.2	451.0	362.0	295.6
-40°	3606.8	2907.8	2323.1	1832.7	1420.1	1072.5	795.5	589.3	449.0	361.9	298.4
-42.5°	3383.4	2758.2	2206.8	1729.1	1353.0	1028.9	759.6	576.6	448.4	362.2	299.9
-45°	3166.6	2575.8	2060.4	1630.3	1270.4	970.2	733.6	556.8	442.8	362.1	300.8
-47.5°	2911.3	2369.4	1898.6	1502.4	1184.3	903.9	695.9	543.3	432.3	360.2	301.7
-50°	2635.2	2140.9	1717.6	1369.7	1075.5	845.1	653.1	523.3	426.1	355.9	301.2
-52.5°	2355.3	1896.5	1532.5	1224.2	979.3	772.9	620.4	498.5	416.5	351.2	299.6
-55°	2060.9	1658.2	1343.8	1090.0	877.0	715.3	580.2	481.4	403.4	345.3	296.8
-57.5°	1789.5	1425.7	1174.5	958.5	790.5	655.8	546.3	460.3	391.5	337.4	294.3
-60°	1517.1	1240.3	1009.6	849.5	712.7	601.0	515.0	438.0	378.3	328.5	289.9
-62.5°	1294.1	1057.5	886.1	750.9	640.8	552.9	481.3	418.0	362.9	321.4	284.4
-65°	1092.0	915.2	765.9	663.4	574.2	503.8	451.8	395.5	351.4	313.3	278.7
-67.5°	902.8	777.3	663.9	575.7	515.7	465.0	418.9	378.5	340.1	304.3	273.7
-70°	753.7	649.3	571.4	515.6	467.8	426.3	397.0	363.6	327.9	297.4	268.2
-72.5°	628.4	564.3	506.0	459.3	430.7	403.2	376.8	348.7	318.9	290.0	262.2
-75°	533.1	493.0	458.2	428.6	403.4	379.6	359.7	337.3	309.2	282.1	257.5
-77.5°	476.6	447.2	420.5	400.2	381.7	363.4	345.1	325.2	299.8	275.9	252.9
-80°	430.9	412.9	396.1	380.3	363.5	346.8	331.3	314.8	291.9	269.6	248.0
-82.5°	396.9	384.9	373.7	362.5	348.2	333.8	319.5	304.6	283.5	262.9	243.0
-85°	373.8	364.7	355.8	346.9	333.7	320.6	307.8	294.9	275.9	257.1	238.4
-87.5°	352.5	346.0	339.6	333.2	321.5	309.8	298.1	286.4	268.7	251.1	233.5
-90°	77.7	81.8	85.8	89.8	93.4	96.9	100.5	104.0	107.0	110.1	113.1



REPORT NUMBER: P1212189 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS12-1000R-57-70-5S-ECV

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	212.0	194.6	177.1	159.7	142.3	134.7	127.2
87.5°	116.1	118.3	120.6	122.8	125.1	126.2	127.2
85°	116.1	118.3	120.5	122.8	125.0	126.2	127.2
82.5°	116.2	118.3	120.5	122.7	125.0	126.1	127.2
80°	116.3	118.3	120.4	122.6	124.9	126.1	127.2
77.5°	116.4	118.4	120.4	122.6	124.8	126.1	127.2
75°	116.5	118.5	120.4	122.6	124.8	126.1	127.2
72.5°	116.7	118.7	120.6	122.5	124.7	126.1	127.2
70°	116.9	118.9	120.8	122.6	124.7	126.1	127.2
67.5°	117.1	119.2	121.1	122.7	124.6	126.1	127.2
65°	117.3	119.4	121.3	123.0	124.6	126.1	127.2
62.5°	117.6	119.6	121.6	123.2	124.6	126.1	127.2
60°	117.9	119.9	121.8	123.4	124.6	126.1	127.2
57.5°	118.2	120.1	122.1	123.6	124.7	126.1	127.2
55°	118.5	120.4	122.3	123.9	124.9	126.1	127.2
52.5°	118.8	120.7	122.5	124.2	125.0	126.2	127.2
50°	119.2	121.0	122.7	124.4	125.2	126.2	127.2
47.5°	119.6	121.3	123.0	124.7	125.3	126.2	127.2
45°	120.1	121.6	123.3	124.9	125.5	126.2	127.2
42.5°	120.6	122.0	123.6	125.1	125.6	126.3	127.2
40°	121.2	122.4	123.9	125.3	125.8	126.3	127.2
37.5°	121.7	122.8	124.2	125.5	126.0	126.3	127.2
35°	122.4	123.2	124.5	125.8	126.1	126.4	127.2
32.5°	123.0	123.7	124.8	126.1	126.3	126.4	127.2
30°	123.7	124.3	125.2	126.4	126.4	126.5	127.2
27.5°	124.4	124.8	125.8	126.7	126.6	126.5	127.2
25°	125.2	125.4	126.5	127.1	126.7	126.6	127.2
22.5°	125.9	126.2	127.2	127.4	126.9	126.6	127.2
20°	126.6	127.6	128.0	127.8	127.1	126.7	127.2
17.5°	128.3	129.1	128.9	128.3	127.2	126.8	127.2
15°	130.6	130.6	129.8	128.7	127.4	126.8	127.2
12.5°	133.0	132.2	130.7	129.1	127.5	126.9	127.2
10°	135.4	133.8	131.6	129.5	127.6	126.9	127.2
7.5°	137.9	135.5	132.5	130.0	127.8	127.0	127.2
5°	140.4	137.1	133.5	130.4	127.9	127.1	127.2
2.5°	142.9	138.7	134.4	130.8	128.1	127.1	127.2
0°	145.4	140.3	135.3	131.2	128.2	127.2	127.2
-2.5°	153.1	144.7	138.1	133.1	129.3	127.6	127.2
-5°	160.6	149.1	140.9	134.9	130.3	128.1	127.2
-7.5°	167.8	153.4	143.6	136.7	131.3	128.5	127.2
-10°	174.7	157.5	146.3	138.4	132.4	128.9	127.2
-12.5°	181.2	161.4	148.9	140.1	133.4	129.4	127.2
-15°	187.1	165.0	151.3	141.8	134.3	129.8	127.2
-17.5°	192.5	168.5	153.7	143.4	135.3	130.2	127.2
-20°	198.9	171.7	155.9	144.9	136.2	130.6	127.2



REPORT NUMBER: P1212189 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-LS12-1000R-57-70-5S-ECV

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	207.6	174.5	158.0	146.3	137.1	131.0	127.2
-25°	215.5	179.8	160.0	147.6	137.9	131.4	127.2
-27.5°	222.6	185.7	161.8	148.9	138.8	131.7	127.2
-30°	228.7	191.1	163.7	150.1	139.5	132.1	127.2
-32.5°	233.9	195.9	167.5	151.1	140.2	132.4	127.2
-35°	239.1	200.0	171.0	152.1	140.9	132.7	127.2
-37.5°	243.8	203.8	174.0	152.9	141.5	133.0	127.2
-40°	247.5	207.4	176.7	153.7	142.1	133.3	127.2
-42.5°	250.3	210.4	179.2	154.7	142.6	133.6	127.2
-45°	252.2	212.8	181.3	156.3	143.1	133.8	127.2
-47.5°	253.1	214.6	183.1	157.7	143.5	134.0	127.2
-50°	254.1	215.8	184.6	159.1	143.8	134.2	127.2
-52.5°	254.3	216.3	185.7	160.3	144.1	134.4	127.2
-55°	253.7	216.8	186.4	161.4	144.4	134.6	127.2
-57.5°	252.2	216.8	186.8	162.3	144.6	134.7	127.2
-60°	250.0	216.4	186.9	163.0	144.7	134.8	127.2
-62.5°	248.2	215.4	187.3	163.5	144.8	134.9	127.2
-65°	245.7	214.0	187.4	163.9	144.8	135.0	127.2
-67.5°	242.6	212.8	187.3	164.1	144.8	135.1	127.2
-70°	238.9	211.7	186.9	164.1	144.7	135.1	127.2
-72.5°	236.3	210.4	186.3	164.1	144.5	135.1	127.2
-75°	233.6	208.7	185.4	163.8	144.3	135.1	127.2
-77.5°	230.4	206.7	184.4	163.5	144.1	135.1	127.2
-80°	226.9	204.6	183.3	163.0	143.8	135.1	127.2
-82.5°	223.5	202.4	182.0	162.3	143.5	135.0	127.2
-85°	219.9	200.0	180.6	161.6	143.1	134.9	127.2
-87.5°	216.1	197.4	178.9	160.7	142.7	134.9	127.2
-90°	116.1	118.4	120.6	122.9	125.2	126.2	127.2

(END OF REPORT)