

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: P1212069 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS12-1000R-40-70-1S-ECV**

Issue Date: 11/14/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P1212069 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2509-549-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/14/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: EPHEBUS  
Catalog Number: EPH-LS12-1000R-40-70-1S-ECV  
Description: EPHEBUS LS12 LUMINAIRE  
(12) 4000K, 70 CRI LEDS AND 1S BEAM SHAPE WITH EXTREME CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

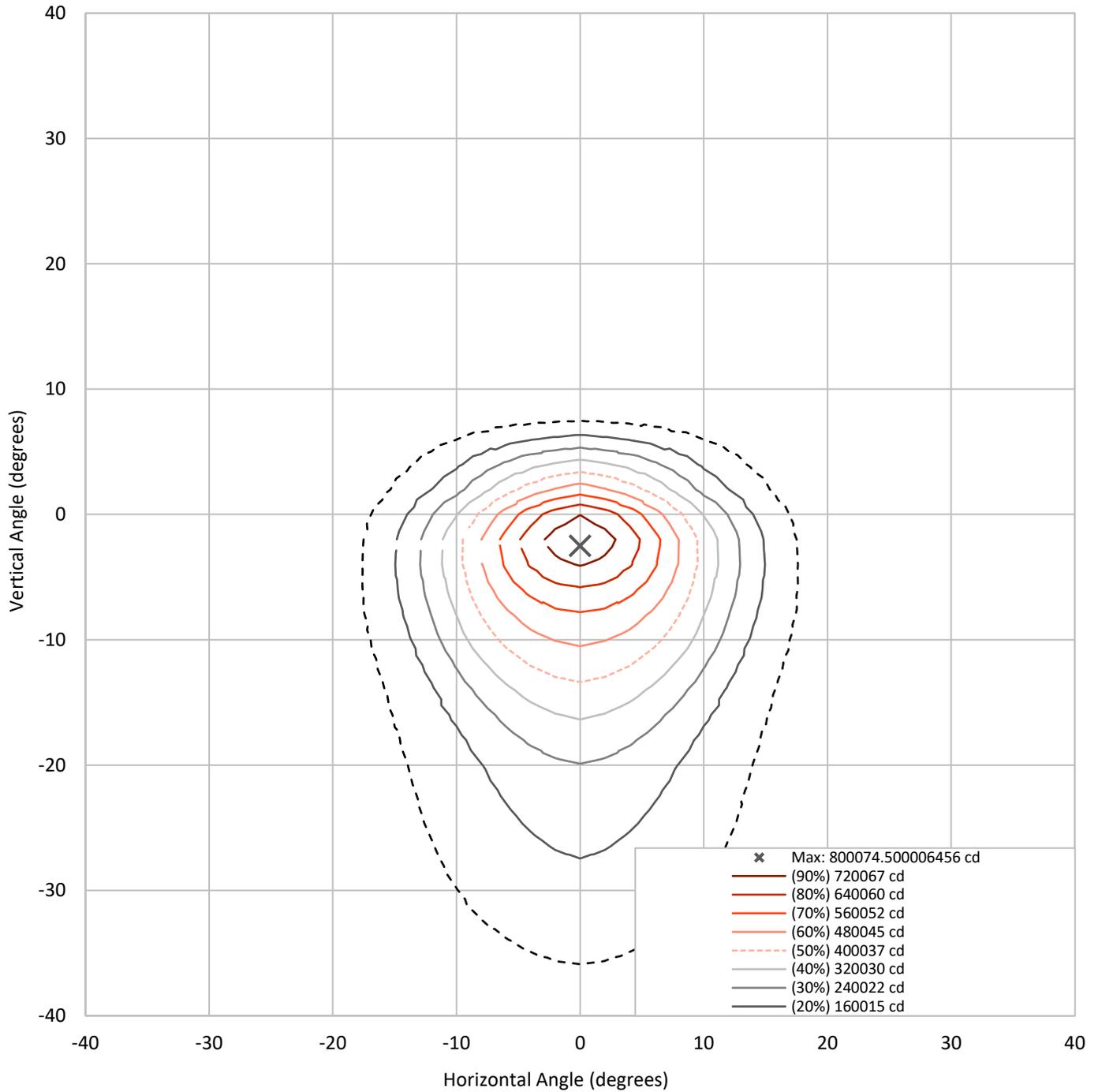
**Summary**

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	121172.3 lumens	Max Intensity:	800074.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x -2.5°V
Efficacy:	110.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.83' x L: 0.79' x H: 0')		
Beam Angle (50%):	19.5°H x 16.7°V	Field Angle (10%):	34.9°H x 43.1°V
Beam Lumens:	40513.4 lumens	Field Lumens:	91173.4 lumens
Beam Efficiency:	33.4%	Field Efficiency:	75.2%
Input Watts (W):	1101.3		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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### Iso-Candela Plot





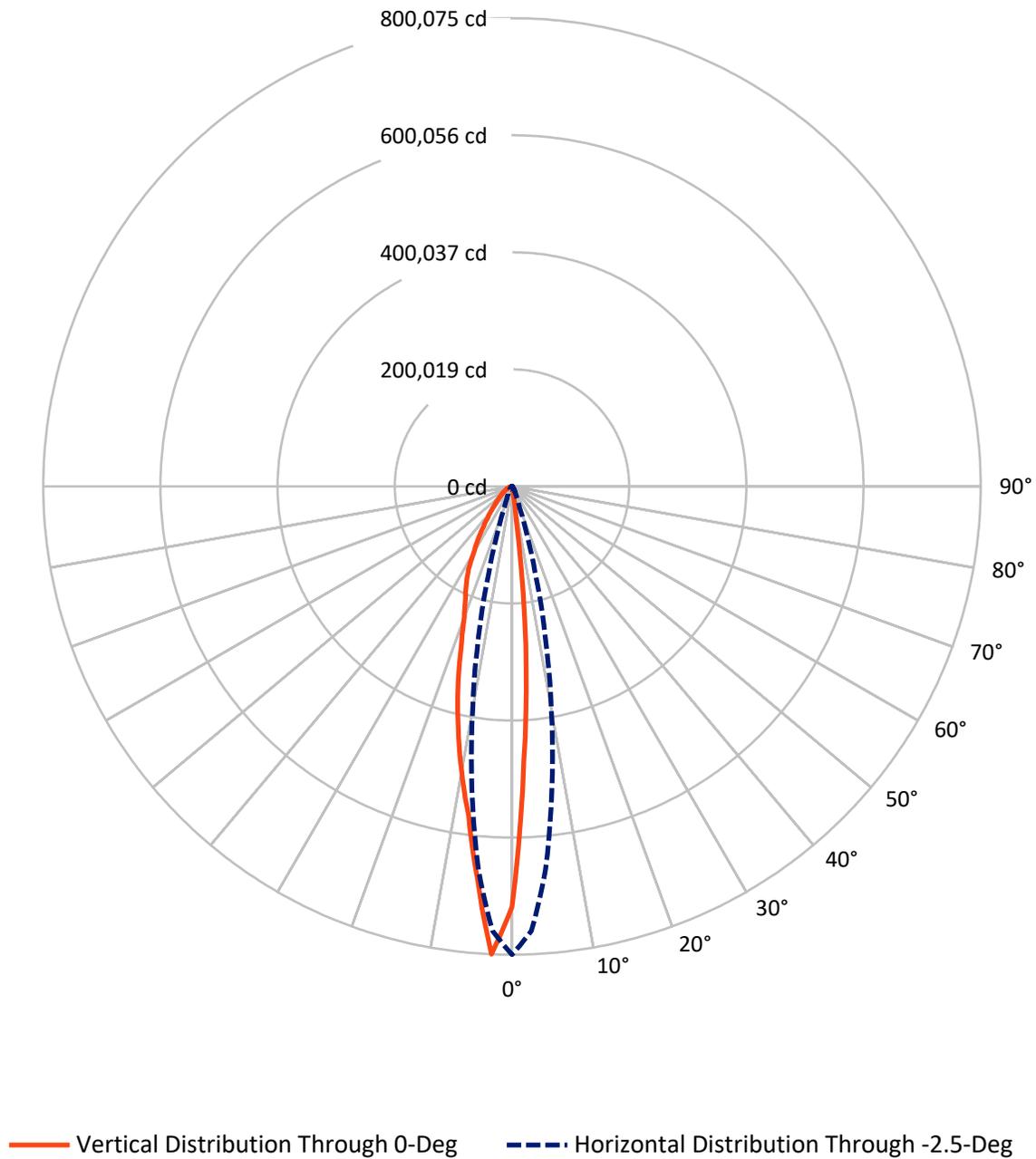
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### Lumen Table

90	1.9	5.4		7.2		8.0		8.4		8.0		7.2		5.4		1.9			
80	1.9	5.4		7.2		8.0		8.4		8.0		7.2		5.4		1.9			
70	1.8	1.0	1.2	1.3	1.2	0.9	0.6	0.2	0.2	0.6	0.9	1.2	1.3	1.2	1.0	1.8			
60		1.1	1.3	1.4	1.3	1.0	0.6	0.2	0.2	0.6	1.0	1.3	1.4	1.3	1.1				
50	1.9	1.1	1.4	1.5	1.4	1.1	0.7	0.2	0.2	0.7	1.1	1.4	1.5	1.4	1.1	1.9			
40		1.1	1.4	1.6	1.6	1.4	0.9	0.3	0.3	0.9	1.4	1.6	1.6	1.4	1.1				
30	2.0	1.2	1.6	1.8	2.0	2.1	1.7	0.8	0.8	1.7	2.1	2.0	1.8	1.6	1.2	2.0			
20		1.3	2.0	2.9	4.1	6.3	5.9	6.4	6.4	5.9	6.3	4.1	2.9	2.0	1.3				
10	2.3	1.7	4.4	14.8	45.0	161.5	1614.5	6596.9	6596.9	1614.5	161.5	45.0	14.8	4.4	1.7	2.3			
0		3.0	17.8	64.9	186.5	573.2	4773.9	16427.2	16427.2	4773.9	573.2	186.5	64.9	17.8	3.0				
-10	3.0	5.4	31.6	113.9	278.6	689.1	2914.4	9013.0	9013.0	2914.4	689.1	278.6	113.9	31.6	5.4	3.0			
-20		7.2	34.7	113.4	285.7	660.2	1835.5	4581.8	4581.8	1835.5	660.2	285.7	113.4	34.7	7.2				
-30	3.7	7.6	33.1	94.5	246.0	547.3	1197.6	2327.7	2327.7	1197.6	547.3	246.0	94.5	33.1	7.6	3.7			
-40		7.1	28.2	77.0	176.2	373.0	726.0	1091.8	1091.8	726.0	373.0	176.2	77.0	28.2	7.1				
-50	3.7	5.9	21.1	56.0	119.8	228.0	401.3	546.0	546.0	401.3	228.0	119.8	56.0	21.1	5.9	3.7			
-60		4.6	12.9	33.3	68.1	122.2	195.8	249.2	249.2	195.8	122.2	68.1	33.3	12.9	4.6				
-70	3.4	4.6	12.9	33.3	68.1	122.2	195.8	249.2	249.2	195.8	122.2	68.1	33.3	12.9	4.6	3.4			
-80		3.4	21.0		69.5		187.6		286.5		187.6		69.5		21.0				
-90	3.4	21.0		69.5		187.6		286.5		187.6		69.5		21.0		3.4			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

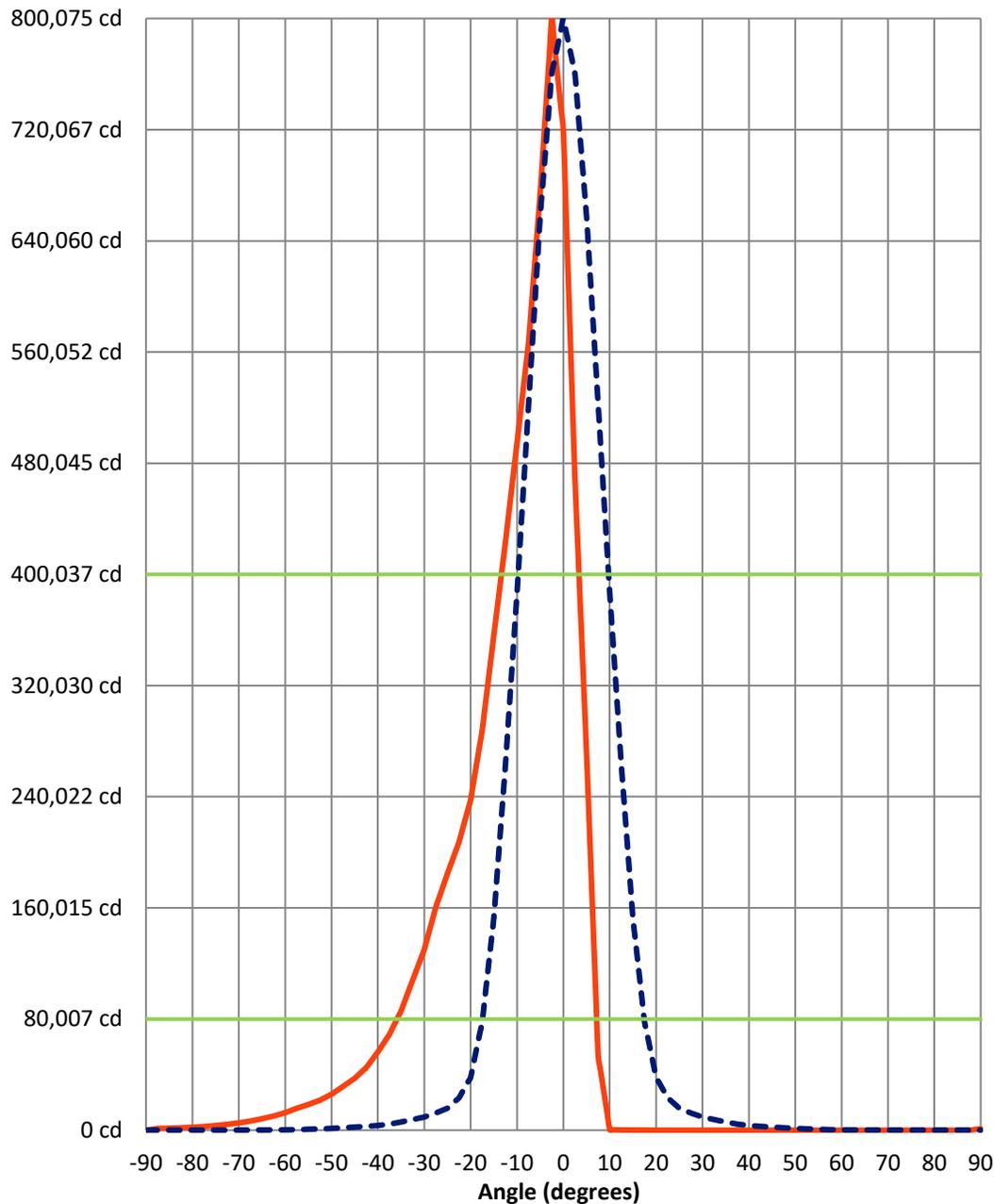
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CATALOG NUMBER: EPH-LS12-1000R-40-70-1S-ECV

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 19.5°  
 V Angle: 16.7°  
 Lumens: 40513.4  
 Efficiency: 33.4%

**Field:**  
 H Angle: 34.9°  
 V Angle: 43.1°  
 Lumens: 91173.4  
 Efficiency: 75.2%

**Spill:**  
 Lumens: 29998.9  
 Efficiency: 24.8%

— Vertical Distribution through 0-Deg  
 - - - Horizontal Distribution through -2.5-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°	92.0	97.5	103.0	117.7	132.5	147.2	162.0	187.0	212.0	237.0	262.0
87.5°	92.0	91.5	91.0	89.8	88.5	87.3	86.0	84.3	82.5	80.8	79.0
85°	92.0	91.5	91.0	89.8	88.5	87.3	86.0	84.3	82.5	80.8	79.1
82.5°	92.0	91.5	91.0	89.8	88.5	87.3	86.1	84.3	82.6	80.9	79.1
80°	92.0	91.5	91.0	89.8	88.6	87.3	86.1	84.4	82.7	81.0	79.2
77.5°	92.0	91.5	91.0	89.8	88.6	87.4	86.2	84.5	82.8	81.1	79.4
75°	92.0	91.5	91.0	89.9	88.7	87.5	86.2	84.6	82.9	81.2	79.5
72.5°	92.0	91.5	91.0	89.9	88.7	87.5	86.3	84.8	83.1	81.4	79.7
70°	92.0	91.5	91.1	90.0	88.8	87.6	86.4	84.9	83.3	81.6	79.9
67.5°	92.0	91.5	91.1	90.0	88.9	87.7	86.5	85.1	83.5	81.8	80.2
65°	92.0	91.5	91.1	90.1	89.0	87.8	86.7	85.3	83.7	82.1	80.5
62.5°	92.0	91.6	91.1	90.2	89.1	87.9	86.8	85.6	84.0	82.4	80.8
60°	92.0	91.6	91.1	90.2	89.2	88.1	87.0	85.8	84.3	82.7	81.1
57.5°	92.0	91.6	91.2	90.3	89.3	88.2	87.1	86.1	84.6	83.0	81.5
55°	92.0	91.6	91.2	90.4	89.4	88.4	87.3	86.3	84.9	83.4	81.9
52.5°	92.0	91.6	91.3	90.5	89.5	88.5	87.5	86.5	85.2	83.8	82.3
50°	92.0	91.6	91.4	90.6	89.7	88.7	87.7	86.8	85.6	84.2	82.9
47.5°	92.0	91.6	91.4	90.7	89.8	88.9	87.9	87.1	86.0	84.6	83.6
45°	92.0	91.6	91.5	90.8	89.9	89.0	88.2	87.4	86.4	85.3	84.4
42.5°	92.0	91.7	91.6	91.0	90.1	89.2	88.6	87.8	86.8	86.1	85.0
40°	92.0	91.7	91.7	91.1	90.3	89.4	88.9	88.2	87.4	86.9	85.7
37.5°	92.0	91.7	91.8	91.3	90.4	89.7	89.3	88.7	88.2	87.8	86.3
35°	92.0	91.7	92.0	91.5	90.6	89.9	89.7	89.2	89.1	88.5	87.0
32.5°	92.0	91.7	92.1	91.8	90.8	90.3	90.1	89.7	90.0	89.3	88.1
30°	92.0	91.7	92.2	92.0	91.0	90.6	90.6	90.3	91.0	90.2	89.3
27.5°	92.0	91.8	92.4	92.3	91.5	91.0	91.0	91.1	91.9	91.1	90.8
25°	92.0	91.8	92.5	92.6	92.1	91.3	91.5	92.0	92.8	92.3	92.4
22.5°	92.0	91.8	92.7	92.9	92.8	91.9	92.0	92.9	93.6	93.7	94.3
20°	92.0	91.8	92.8	93.2	93.5	93.1	92.5	93.8	94.5	95.1	96.3
17.5°	92.0	91.8	93.0	93.6	94.2	94.3	93.8	94.7	95.4	96.7	98.4
15°	92.0	91.9	93.1	93.9	95.0	95.5	95.7	96.4	96.3	98.3	100.6
12.5°	92.0	91.9	93.3	94.3	95.9	96.7	97.7	99.1	98.9	99.9	102.7
10°	92.0	91.9	93.4	94.6	96.7	98.0	99.7	101.9	102.8	104.8	107.0
7.5°	92.0	91.9	93.6	95.0	97.5	99.3	101.8	104.7	106.8	110.1	115.5
5°	92.0	92.0	93.7	95.3	98.4	100.5	103.9	107.5	110.9	115.5	124.4
2.5°	92.0	92.0	93.9	95.7	99.2	101.8	106.0	110.3	115.0	120.8	133.2
0°	92.0	92.0	94.0	96.0	100.0	103.0	108.0	113.0	119.0	126.0	142.0
-2.5°	92.0	92.3	94.7	97.2	101.9	105.8	112.8	120.0	129.7	142.9	172.9
-5°	92.0	92.6	95.4	98.5	103.8	108.5	117.4	127.0	140.1	159.3	202.7
-7.5°	92.0	92.9	96.1	99.7	105.6	111.1	121.9	133.6	150.1	175.0	230.6
-10°	92.0	93.2	96.7	100.8	107.4	113.7	126.2	140.0	159.6	189.7	255.7
-12.5°	92.0	93.5	97.4	102.0	109.1	116.2	130.1	146.1	168.5	206.4	303.4
-15°	92.0	93.8	98.0	103.1	110.7	118.6	133.7	151.7	182.9	243.1	357.4
-17.5°	92.0	94.1	98.6	104.1	112.3	120.8	136.9	161.6	203.7	275.3	403.7
-20°	92.0	94.4	99.2	105.2	113.7	123.0	141.6	174.3	222.2	302.2	441.0



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 CATALOG NUMBER: EPH-LS12-1000R-40-70-1S-ECV

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	92.0	94.6	99.7	106.1	115.0	125.0	149.1	185.5	238.1	323.1	468.4
-25°	92.0	94.9	100.2	107.0	116.3	129.4	155.9	195.2	251.2	337.5	485.0
-27.5°	92.0	95.2	100.7	107.8	117.4	134.6	161.9	203.1	261.0	348.1	501.9
-30°	92.0	95.4	101.2	108.6	118.6	139.4	167.0	209.1	269.5	359.4	509.7
-32.5°	92.0	95.6	101.6	109.3	121.6	143.6	171.2	214.7	276.4	366.0	507.3
-35°	92.0	95.9	102.1	109.9	124.3	147.4	175.8	219.3	280.5	367.9	494.4
-37.5°	92.0	96.1	102.4	110.5	126.7	150.7	180.2	222.6	281.7	364.9	503.2
-40°	92.0	96.3	102.8	110.9	128.8	153.5	183.8	224.6	280.1	362.1	510.3
-42.5°	92.0	96.5	103.1	111.7	130.7	155.9	186.6	225.2	279.4	365.7	507.1
-45°	92.0	96.6	103.3	113.0	132.5	157.7	188.6	225.8	278.4	364.1	495.2
-47.5°	92.0	96.8	103.6	114.2	134.0	159.0	189.9	227.1	275.9	356.3	484.3
-50°	92.0	97.0	103.7	115.3	135.2	159.9	190.6	227.3	274.0	352.3	465.3
-52.5°	92.0	97.1	103.9	116.3	136.1	160.2	190.7	226.5	272.7	343.6	440.0
-55°	92.0	97.2	104.0	117.1	136.7	160.6	190.1	224.7	271.0	330.3	421.5
-57.5°	92.0	97.3	104.1	117.8	137.1	160.7	188.9	222.6	267.4	322.1	397.4
-60°	92.0	97.4	104.1	118.4	137.2	160.4	187.1	220.3	262.5	314.0	374.2
-62.5°	92.0	97.5	104.2	118.9	137.6	159.7	185.6	217.4	258.3	303.8	360.3
-65°	92.0	97.6	104.3	119.2	137.8	158.6	183.7	214.2	252.9	295.6	343.9
-67.5°	92.0	97.6	104.3	119.4	137.7	157.7	181.2	211.6	246.5	287.1	330.7
-70°	92.0	97.7	104.3	119.5	137.5	157.0	178.2	208.4	242.5	277.4	318.4
-72.5°	92.0	97.7	104.2	119.6	137.1	156.1	176.4	204.7	237.9	271.7	306.2
-75°	92.0	97.7	104.1	119.6	136.6	155.0	174.6	202.4	232.8	265.5	298.8
-77.5°	92.0	97.7	104.0	119.6	136.2	153.7	172.4	200.2	229.7	259.6	290.8
-80°	92.0	97.7	103.9	119.4	135.7	152.5	170.0	197.6	226.4	255.6	285.0
-82.5°	92.0	97.6	103.7	119.1	135.1	151.5	168.2	195.0	222.7	251.0	279.5
-85°	92.0	97.6	103.5	118.8	134.4	150.2	166.3	192.7	219.5	246.5	273.8
-87.5°	92.0	97.6	103.3	118.3	133.5	148.8	164.2	190.0	215.9	242.0	268.1
-90°	92.0	91.5	91.0	89.8	88.5	87.3	86.0	84.3	82.5	80.8	79.0



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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°	284.7	307.5	330.2	353.0	371.2	389.5	407.8	426.0	448.3	470.5	492.8
87.5°	76.5	74.0	71.5	69.0	66.0	63.0	60.0	57.0	53.8	50.5	47.3
85°	76.6	74.1	71.6	69.1	66.1	63.1	60.1	57.1	53.9	50.6	47.4
82.5°	76.7	74.2	71.7	69.2	66.3	63.3	60.3	57.3	54.1	50.8	47.6
80°	76.9	74.4	71.9	69.4	66.5	63.5	60.5	57.5	54.3	51.1	47.8
77.5°	77.1	74.6	72.1	69.6	66.8	63.8	60.8	57.8	54.6	51.4	48.1
75°	77.3	74.9	72.4	69.9	67.1	64.2	61.2	58.2	55.0	51.8	48.5
72.5°	77.6	75.2	72.7	70.3	67.6	64.6	61.6	58.6	55.5	52.2	49.0
70°	77.9	75.5	73.1	70.7	68.0	65.1	62.1	59.1	56.1	52.8	49.5
67.5°	78.3	75.9	73.5	71.1	68.6	65.7	62.7	59.7	56.7	53.4	50.1
65°	78.7	76.4	74.0	71.6	69.2	66.3	63.3	60.4	57.4	54.1	50.8
62.5°	79.2	76.9	74.5	72.2	69.8	67.0	64.1	61.1	58.1	54.9	51.6
60°	79.5	77.4	75.1	72.8	70.4	67.8	64.9	61.9	58.9	55.8	52.5
57.5°	79.9	78.0	75.8	73.4	71.1	68.7	65.8	62.8	59.8	56.8	53.5
55°	80.4	78.7	76.4	74.2	71.8	69.5	66.7	63.8	60.8	57.8	54.6
52.5°	80.9	79.3	77.2	74.9	72.7	70.4	67.8	64.9	61.9	58.9	55.8
50°	81.6	79.9	78.0	75.8	73.7	71.4	68.9	66.1	63.1	60.1	57.1
47.5°	82.2	80.6	78.8	76.8	74.9	72.5	70.0	67.3	64.4	61.6	58.5
45°	82.8	81.2	79.6	78.2	76.0	73.4	71.1	68.7	66.2	63.4	60.5
42.5°	83.5	82.0	80.7	79.6	76.9	74.6	72.5	70.6	68.2	65.3	62.2
40°	84.2	82.7	81.9	80.3	77.9	76.2	74.2	72.3	69.9	67.0	63.6
37.5°	84.9	83.9	83.0	81.0	79.5	77.8	75.8	73.9	71.5	68.8	65.5
35°	85.7	85.0	83.9	82.3	81.1	79.3	77.6	75.7	73.3	70.7	67.9
32.5°	86.7	86.2	85.1	83.7	82.4	80.9	79.6	77.4	75.3	72.9	70.8
30°	88.1	87.3	86.4	85.1	83.9	82.8	81.4	79.4	77.6	75.7	73.4
27.5°	90.0	88.7	87.7	86.5	85.6	84.7	83.4	81.8	80.2	78.6	76.5
25°	92.2	91.6	88.9	88.1	87.4	86.8	85.8	85.0	83.2	81.9	80.2
22.5°	94.7	94.9	92.7	89.8	89.3	89.0	89.0	88.7	87.6	86.2	84.5
20°	97.5	98.3	97.3	96.0	92.6	91.5	92.6	92.6	93.3	93.9	92.4
17.5°	100.5	102.1	102.6	103.7	103.9	101.0	96.5	96.9	99.9	104.0	109.1
15°	103.7	106.1	108.4	112.5	117.4	121.7	122.0	112.1	108.5	117.6	131.4
12.5°	107.0	110.4	114.6	122.4	132.7	146.1	158.2	168.7	172.0	159.6	162.1
10°	110.4	114.8	121.1	133.0	149.4	173.1	199.3	235.2	272.6	310.0	334.2
7.5°	122.9	129.1	133.5	144.1	166.9	202.0	243.8	308.7	384.4	479.7	577.9
5°	137.3	154.7	178.5	214.5	261.0	319.0	360.9	390.2	502.6	660.9	839.9
2.5°	151.7	180.9	224.8	296.4	406.9	578.2	788.7	1007.0	1223.4	1501.6	1800.1
0°	166.0	207.0	271.0	378.0	553.0	839.0	1221.0	1629.0	2065.0	2653.0	3361.0
-2.5°	229.1	301.7	427.6	687.4	1002.9	1309.2	1784.1	2272.4	2765.4	3419.6	4400.1
-5°	289.6	393.1	577.5	979.6	1434.0	1769.1	2322.7	2890.5	3489.8	4289.5	5519.2
-7.5°	345.2	479.3	715.8	1232.0	1795.2	2217.3	2888.4	3623.4	4418.7	5397.2	6732.6
-10°	399.0	578.7	860.4	1392.4	2052.8	2628.7	3409.1	4296.4	5263.8	6408.3	7837.7
-12.5°	478.2	688.1	993.4	1527.4	2259.1	2988.0	3854.4	4894.4	6003.8	7302.1	8698.0
-15°	548.5	785.8	1108.4	1634.6	2405.0	3284.1	4210.9	5405.3	6516.7	7685.6	8976.0
-17.5°	608.6	870.3	1203.0	1711.6	2482.1	3507.6	4407.0	5544.8	6704.1	7899.7	9209.2
-20°	657.4	939.9	1275.4	1756.7	2497.8	3508.4	4342.5	5456.9	6744.3	8049.7	9328.9



REPORT NUMBER: P1212069 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-40-70-1S-ECV

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	693.8	993.3	1335.2	1817.6	2488.9	3362.6	4238.8	5250.2	6620.1	8129.3	9463.9
-25°	721.5	1031.0	1389.2	1851.5	2455.2	3210.9	4081.4	4951.2	6322.4	7989.1	9613.0
-27.5°	739.2	1051.7	1422.5	1863.7	2408.4	3080.4	3891.4	4736.5	5952.8	7660.8	9567.0
-30°	741.5	1059.6	1433.6	1861.8	2389.0	3008.6	3706.5	4572.7	5525.2	7109.7	9010.7
-32.5°	737.6	1052.9	1427.9	1855.8	2357.1	2926.3	3594.8	4440.4	5342.1	6340.9	8212.0
-35°	735.8	1044.6	1405.1	1822.5	2302.4	2860.8	3515.2	4275.3	5152.0	6011.0	7387.0
-37.5°	734.6	1024.4	1363.2	1769.8	2238.2	2776.3	3387.2	4108.7	4923.0	5872.4	6951.9
-40°	722.3	992.3	1321.9	1703.4	2150.1	2664.1	3248.0	3907.8	4669.7	5645.9	6733.1
-42.5°	701.3	965.8	1273.2	1617.9	2054.7	2536.9	3068.7	3690.9	4436.7	5342.7	6361.0
-45°	684.7	926.8	1214.0	1552.7	1943.2	2392.8	2894.8	3444.9	4171.2	4975.7	5913.9
-47.5°	655.4	879.1	1154.7	1467.5	1830.2	2243.6	2700.1	3250.1	3870.1	4604.7	5401.2
-50°	618.3	828.0	1082.0	1378.2	1709.6	2086.0	2509.1	3029.0	3607.1	4226.1	4929.0
-52.5°	583.9	762.6	1003.6	1277.7	1583.2	1923.6	2324.4	2794.7	3320.9	3888.5	4514.0
-55°	540.3	704.3	912.7	1167.3	1450.2	1759.4	2126.2	2552.5	3010.1	3529.9	4103.8
-57.5°	501.3	641.3	824.8	1044.4	1304.9	1592.3	1929.3	2296.9	2713.0	3160.2	3667.7
-60°	463.3	580.2	735.1	926.1	1145.2	1414.0	1716.7	2047.8	2406.9	2790.7	3228.5
-62.5°	424.2	524.3	650.0	805.2	997.3	1223.5	1493.0	1785.7	2095.5	2431.4	2789.9
-65°	402.9	470.0	570.3	698.2	843.7	1041.1	1266.1	1514.0	1788.6	2064.4	2359.6
-67.5°	378.2	437.0	505.6	591.1	717.7	870.1	1033.0	1242.5	1470.5	1696.7	1930.0
-70°	360.4	402.6	458.9	526.0	606.5	716.6	858.1	1008.1	1168.1	1348.5	1552.4
-72.5°	343.3	382.2	423.0	465.6	533.7	619.2	712.2	812.4	941.3	1092.0	1244.4
-75°	330.3	361.2	397.7	436.3	484.2	539.9	601.7	683.8	782.8	892.8	1005.5
-77.5°	320.7	350.2	380.0	410.1	448.3	496.1	546.6	599.8	668.9	747.2	829.2
-80°	311.9	338.7	367.0	395.6	428.3	464.0	501.8	541.6	594.9	655.5	721.2
-82.5°	305.1	330.7	356.5	382.6	409.8	437.9	467.0	499.1	542.5	588.9	637.1
-85°	298.0	322.1	346.6	371.3	395.8	420.8	446.1	471.8	505.1	539.6	574.9
-87.5°	291.6	315.0	338.5	361.9	383.2	404.7	426.4	448.4	475.2	502.4	529.8
-90°	76.5	74.0	71.5	69.0	66.0	63.0	60.0	57.0	53.8	50.5	47.3



REPORT NUMBER: P1212069 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-40-70-1S-ECV

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	515.0	549.3	583.5	617.8	652.0	699.0	746.0	793.0	840.0	885.8	931.5
87.5°	44.0	40.8	37.5	34.3	31.0	27.8	24.5	21.3	18.0	15.3	12.5
85°	44.1	40.9	37.6	34.4	31.1	27.9	24.6	21.3	18.1	15.1	12.1
82.5°	44.3	41.0	37.8	34.5	31.2	28.0	24.7	21.4	18.2	15.1	12.1
80°	44.5	41.3	38.0	34.7	31.4	28.2	24.9	21.6	18.3	15.2	12.2
77.5°	44.8	41.5	38.1	34.7	31.2	27.8	24.4	21.0	17.6	14.7	11.8
75°	45.2	41.8	38.3	34.9	31.5	28.1	24.7	21.2	17.7	14.7	11.9
72.5°	45.7	42.3	39.0	35.7	32.4	28.9	25.5	22.1	18.7	15.6	12.5
70°	46.2	42.9	39.5	36.2	32.8	29.4	25.8	22.2	18.5	15.3	12.3
67.5°	46.8	43.5	40.1	36.7	33.3	29.8	26.1	22.4	18.6	15.3	12.4
65°	47.5	44.1	40.7	37.3	33.9	30.2	26.4	22.6	19.0	15.6	12.6
62.5°	48.3	44.9	41.4	37.7	33.9	30.0	26.5	22.9	19.4	15.9	12.6
60°	49.1	45.7	42.2	38.4	34.6	30.8	27.1	23.5	19.8	16.3	13.1
57.5°	50.1	46.7	43.2	39.4	35.5	31.6	27.8	24.1	20.4	16.7	13.5
55°	51.2	47.7	44.2	40.4	36.5	32.6	28.6	24.9	21.0	17.2	13.9
52.5°	52.4	48.9	45.4	41.6	37.6	33.6	29.5	25.7	21.8	17.8	14.3
50°	53.7	50.2	46.7	42.9	38.9	34.8	30.6	26.6	22.6	18.5	14.8
47.5°	55.5	52.1	48.2	44.3	40.2	36.1	31.8	27.6	23.5	19.3	15.2
45°	57.5	53.4	49.5	45.8	41.8	37.5	33.1	28.7	24.5	20.1	15.9
42.5°	58.5	54.8	51.2	47.4	43.5	39.1	34.6	30.0	25.6	21.1	16.6
40°	60.2	56.7	53.0	49.3	45.3	40.9	36.3	31.6	27.0	22.4	17.5
37.5°	62.3	58.8	55.3	51.7	47.4	42.9	38.3	33.8	29.3	23.9	18.6
35°	64.9	61.5	58.2	54.1	49.8	45.2	40.7	35.8	30.1	25.3	19.9
32.5°	67.6	64.4	60.8	57.1	52.9	48.5	43.6	39.4	34.1	29.2	24.0
30°	70.4	67.5	64.7	61.1	57.2	53.8	50.1	46.8	43.1	37.9	32.4
27.5°	74.0	72.1	69.9	66.1	64.3	62.2	61.0	58.6	54.8	50.2	39.4
25°	78.5	77.9	74.7	73.8	74.0	74.3	72.9	70.4	61.3	50.5	36.6
22.5°	84.2	83.2	82.2	83.8	86.0	87.5	83.9	76.4	59.7	42.0	31.8
20°	90.1	89.7	93.4	99.8	102.8	106.7	98.5	78.8	58.4	55.5	54.6
17.5°	108.7	100.5	113.1	131.1	140.0	128.5	113.7	88.4	78.8	79.5	76.6
15°	142.7	148.0	160.1	179.6	190.4	173.9	137.7	129.6	122.2	129.7	137.2
12.5°	189.3	221.2	272.7	316.1	255.9	236.3	230.8	214.2	219.2	225.9	240.7
10°	335.6	317.1	434.9	568.5	680.0	737.2	392.1	567.9	743.5	821.7	566.6
7.5°	710.7	962.5	1160.5	1221.6	1342.7	2488.7	4008.0	5700.3	7896.7	16480.1	19112.9
5°	1128.6	1771.7	2441.6	3366.7	4158.6	6016.2	9891.3	23754.5	40247.7	72583.1	119285.6
2.5°	2265.6	3193.0	4144.3	5829.9	7491.0	10549.6	16376.2	35722.2	72625.4	129659.3	189618.6
0°	4448.0	6045.0	7609.0	10306.0	12767.0	18717.0	29967.0	63426.0	122508.0	215782.0	316289.0
-2.5°	5933.5	7678.3	9505.3	12392.4	15867.0	23356.7	38072.9	78203.9	152809.6	262978.1	386699.2
-5°	7254.3	9226.6	11448.3	14635.7	18550.1	25356.9	40756.4	77448.2	151006.2	253914.6	366963.3
-7.5°	8449.7	10595.6	13157.4	16527.5	20738.6	27160.6	42273.5	76632.7	137903.2	228721.3	328962.9
-10°	9554.3	11722.4	14476.5	17831.9	22283.0	28441.1	39025.3	66621.3	116794.0	197434.7	287682.1
-12.5°	10423.5	12634.1	15432.5	18581.0	23005.9	29407.0	39411.4	60259.6	98659.6	155428.2	235239.1
-15°	10949.8	13343.9	16171.2	19443.2	23885.3	29874.1	38181.6	53721.9	82847.7	129226.0	185932.1
-17.5°	11138.7	13714.5	16598.8	19935.4	24028.8	29756.9	38246.9	50666.0	73334.5	110227.3	150052.3
-20°	11016.5	13694.7	16594.5	19926.0	24112.5	29521.7	36513.4	49068.1	68110.5	96099.5	127764.5



REPORT NUMBER: P1212069 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-40-70-1S-ECV

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11090.8	13417.6	16271.1	19644.8	23897.4	28880.0	35632.5	46781.9	62138.6	86410.2	113247.2
-25°	11120.6	12950.3	15879.5	19430.3	23350.7	27947.0	34776.3	43162.8	58453.9	79052.2	103198.6
-27.5°	11102.3	12922.3	15424.7	18826.3	22539.4	27079.2	32947.1	40665.3	53929.7	69560.4	91114.9
-30°	11093.0	12959.9	15221.1	17901.7	21648.7	25920.1	30552.7	38409.3	48972.5	61899.0	79132.7
-32.5°	10584.3	12954.1	14937.0	17354.3	20408.2	24304.6	28918.1	35642.4	43633.9	54597.1	67973.6
-35°	9745.2	12198.1	14672.2	16785.1	19293.3	22472.3	26937.5	32476.7	38550.8	47710.5	57794.2
-37.5°	8524.4	10990.7	13508.8	16063.9	18343.0	20899.9	24815.3	29271.4	34428.7	41372.9	48910.0
-40°	7874.1	9323.0	11860.7	14439.2	16910.4	19900.6	23018.2	26438.4	30807.1	36060.0	41531.1
-42.5°	7477.8	8710.1	10076.9	12253.8	14839.5	17900.9	20936.8	24049.5	27810.1	31808.5	35872.3
-45°	6949.7	8147.6	9418.0	10770.1	12534.7	15345.8	18269.7	21318.7	24671.0	28041.6	31115.9
-47.5°	6386.2	7471.5	8636.4	9866.4	11571.5	13509.0	15615.0	18104.8	21115.5	24139.9	26668.3
-50°	5799.6	6758.5	7805.6	8965.4	10451.2	12078.6	13816.2	15947.8	18231.7	20562.5	22331.1
-52.5°	5214.6	6055.8	6959.9	8021.1	9264.9	10602.5	12061.0	13940.4	15860.0	17789.8	19093.9
-55°	4730.0	5405.9	6120.8	7070.2	8100.0	9168.9	10400.8	11962.5	13572.4	15208.1	16316.9
-57.5°	4225.4	4808.5	5449.0	6233.5	7054.3	7904.9	8947.0	10159.2	11415.9	12660.0	13527.3
-60°	3704.4	4214.9	4789.9	5439.0	6127.6	6849.0	7694.5	8606.1	9550.4	10442.3	11086.2
-62.5°	3170.5	3593.0	4104.3	4647.6	5200.6	5781.0	6501.6	7232.7	7966.4	8607.6	9063.6
-65°	2678.8	3021.8	3441.4	3887.4	4353.7	4854.8	5431.5	6015.9	6602.7	7095.4	7466.3
-67.5°	2190.9	2475.3	2814.8	3161.2	3530.7	3945.4	4420.4	4899.1	5377.4	5763.9	6068.5
-70°	1755.7	1976.9	2234.9	2506.8	2804.0	3141.3	3521.3	3897.3	4267.5	4550.9	4780.6
-72.5°	1397.8	1576.3	1790.9	2021.2	2250.0	2517.1	2814.6	3114.3	3414.1	3637.5	3826.5
-75°	1120.4	1260.2	1428.6	1603.1	1782.3	1999.8	2236.3	2475.4	2715.4	2898.4	3061.8
-77.5°	922.8	1039.1	1163.5	1289.8	1417.4	1578.9	1750.3	1922.2	2094.0	2231.9	2362.3
-80°	789.7	878.9	973.7	1070.1	1167.7	1295.6	1430.2	1566.2	1703.0	1814.1	1921.3
-82.5°	686.9	757.8	832.1	907.6	984.1	1083.2	1185.3	1288.2	1391.6	1480.3	1567.3
-85°	610.9	666.2	723.3	781.2	839.9	916.2	993.5	1071.2	1149.0	1221.0	1292.6
-87.5°	557.3	600.5	644.2	688.1	732.3	793.0	854.1	915.4	976.8	1032.7	1088.4
-90°	44.0	40.8	37.5	34.3	31.0	27.8	24.5	21.3	18.0	15.3	12.5



REPORT NUMBER: P1212069 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-40-70-1S-ECV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	977.3	1023.0	1037.5	1052.0	1037.5	1023.0	977.3	931.5	885.8	840.0	793.0
87.5°	9.8	7.0	4.5	2.0	4.5	7.0	9.8	12.5	15.3	18.0	21.3
85°	9.0	6.0	4.0	2.0	4.0	6.0	9.0	12.1	15.1	18.1	21.3
82.5°	9.1	6.1	4.0	2.0	4.0	6.1	9.1	12.1	15.1	18.2	21.4
80°	9.1	6.1	4.0	2.0	4.0	6.1	9.1	12.2	15.2	18.3	21.6
77.5°	9.0	6.1	4.0	2.0	4.0	6.1	9.0	11.8	14.7	17.6	21.0
75°	9.0	6.2	3.6	1.0	3.6	6.2	9.0	11.9	14.7	17.7	21.2
72.5°	9.4	6.3	4.6	3.0	4.6	6.3	9.4	12.5	15.6	18.7	22.1
70°	9.3	6.4	4.1	2.0	4.1	6.4	9.3	12.3	15.3	18.5	22.2
67.5°	9.4	6.5	4.2	2.0	4.2	6.5	9.4	12.4	15.3	18.6	22.4
65°	9.6	6.6	3.8	1.0	3.8	6.6	9.6	12.6	15.6	19.0	22.6
62.5°	9.2	5.8	3.3	1.0	3.3	5.8	9.2	12.6	15.9	19.4	22.9
60°	9.9	6.8	4.3	2.0	4.3	6.8	9.9	13.1	16.3	19.8	23.5
57.5°	10.3	7.0	4.0	1.0	4.0	7.0	10.3	13.5	16.7	20.4	24.1
55°	10.5	7.2	4.1	1.0	4.1	7.2	10.5	13.9	17.2	21.0	24.9
52.5°	10.9	7.4	4.2	1.0	4.2	7.4	10.9	14.3	17.8	21.8	25.7
50°	11.2	7.7	3.9	0.0	3.9	7.7	11.2	14.8	18.5	22.6	26.6
47.5°	11.2	7.2	3.7	1.0	3.7	7.2	11.2	15.2	19.3	23.5	27.6
45°	12.0	8.2	4.5	1.0	4.5	8.2	12.0	15.9	20.1	24.5	28.7
42.5°	12.6	8.6	4.4	0.0	4.4	8.6	12.6	16.6	21.1	25.6	30.0
40°	13.2	9.0	4.9	1.0	4.9	9.0	13.2	17.5	22.4	27.0	31.6
37.5°	13.9	9.5	5.1	1.0	5.1	9.5	13.9	18.6	23.9	29.3	33.8
35°	14.7	10.0	5.2	0.0	5.2	10.0	14.7	19.9	25.3	30.1	35.8
32.5°	18.1	12.1	5.6	1.0	5.6	12.1	18.1	24.0	29.2	34.1	39.4
30°	25.2	17.6	8.9	0.0	8.9	17.6	25.2	32.4	37.9	43.1	46.8
27.5°	29.1	20.1	11.6	0.0	11.6	20.1	29.1	39.4	50.2	54.8	58.6
25°	24.8	17.3	13.4	6.0	13.4	17.3	24.8	36.6	50.5	61.3	70.4
22.5°	33.3	31.9	25.6	21.0	25.6	31.9	33.3	31.8	42.0	59.7	76.4
20°	53.1	49.9	47.3	43.0	47.3	49.9	53.1	54.6	55.5	58.4	78.8
17.5°	83.7	84.1	80.9	77.0	80.9	84.1	83.7	76.6	79.5	78.8	88.4
15°	143.1	141.3	134.4	129.0	134.4	141.3	143.1	137.2	129.7	122.2	129.6
12.5°	233.8	228.7	218.7	211.5	218.7	228.7	233.8	240.7	225.9	219.2	214.2
10°	878.9	923.2	657.3	402.0	657.3	923.2	878.9	566.6	821.7	743.5	567.9
7.5°	27237.6	37142.5	46420.4	54038.0	46420.4	37142.5	27237.6	19112.9	16480.1	7896.7	5700.3
5°	166732.2	220012.8	250518.6	271154.0	250518.6	220012.8	166732.2	119285.6	72583.1	40247.7	23754.5
2.5°	279275.0	366695.2	428958.9	469027.0	428958.9	366695.2	279275.0	189618.6	129659.3	72625.4	35722.2
0°	438565.5	562730.0	668616.5	718677.0	668616.5	562730.0	438565.5	316289.0	215782.0	122508.0	63426.0
-2.5°	522662.2	657660.0	760446.0	800074.5	760446.0	657660.0	522662.2	386699.2	262978.1	152809.6	78203.9
-5°	488364.3	587768.3	653443.8	674452.0	653443.8	587768.3	488364.3	366963.3	253914.6	151006.2	77448.2
-7.5°	433378.4	507932.3	552879.0	567192.0	552879.0	507932.3	433378.4	328962.9	228721.3	137903.2	76632.7
-10°	376897.1	443415.6	479476.1	494598.0	479476.1	443415.6	376897.1	287682.1	197434.7	116794.0	66621.3
-12.5°	309231.8	373818.5	410925.5	423205.5	410925.5	373818.5	309231.8	235239.1	155428.2	98659.6	60259.6
-15°	246325.1	301672.0	339478.3	356275.0	339478.3	301672.0	246325.1	185932.1	129226.0	82847.7	53721.9
-17.5°	198379.1	245009.2	276097.9	287972.0	276097.9	245009.2	198379.1	150052.3	110227.3	73334.5	50666.0
-20°	165948.2	202500.0	226895.7	237860.0	226895.7	202500.0	165948.2	127764.5	96099.5	68110.5	49068.1



REPORT NUMBER: P1212069 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-40-70-1S-ECV

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	145799.9	175107.2	197979.9	207447.0	197979.9	175107.2	145799.9	113247.2	86410.2	62138.6	46781.9
-25°	130364.9	154614.8	175227.5	184669.0	175227.5	154614.8	130364.9	103198.6	79052.2	58453.9	43162.8
-27.5°	113907.1	133472.7	151376.5	160539.0	151376.5	133472.7	113907.1	91114.9	69560.4	53929.7	40665.3
-30°	97043.7	112075.5	126599.3	130036.0	126599.3	112075.5	97043.7	79132.7	61899.0	48972.5	38409.3
-32.5°	81300.0	92502.5	102769.6	107973.0	102769.6	92502.5	81300.0	67973.6	54597.1	43633.9	35642.4
-35°	67320.9	75723.2	83017.6	85903.0	83017.6	75723.2	67320.9	57794.2	47710.5	38550.8	32476.7
-37.5°	55898.8	62351.9	67547.6	69064.0	67547.6	62351.9	55898.8	48910.0	41372.9	34428.7	29271.4
-40°	46404.5	51268.6	55101.9	56338.0	55101.9	51268.6	46404.5	41531.1	36060.0	30807.1	26438.4
-42.5°	39035.2	42113.0	44369.3	45165.0	44369.3	42113.0	39035.2	35872.3	31808.5	27810.1	24049.5
-45°	33461.3	35719.4	37150.3	37401.0	37150.3	35719.4	33461.3	31115.9	28041.6	24671.0	21318.7
-47.5°	28574.8	30344.8	31371.2	31552.0	31371.2	30344.8	28574.8	26668.3	24139.9	21115.5	18104.8
-50°	23731.9	25054.2	25789.2	25962.0	25789.2	25054.2	23731.9	22331.1	20562.5	18231.7	15947.8
-52.5°	20158.7	21129.3	21579.3	21640.0	21579.3	21129.3	20158.7	19093.9	17789.8	15860.0	13940.4
-55°	17344.2	18303.1	18625.2	18528.0	18625.2	18303.1	17344.2	16316.9	15208.1	13572.4	11962.5
-57.5°	14357.0	15136.5	15572.0	15804.0	15572.0	15136.5	14357.0	13527.3	12660.0	11415.9	10159.2
-60°	11706.7	12292.5	12533.7	12604.0	12533.7	12292.5	11706.7	11086.2	10442.3	9550.4	8606.1
-62.5°	9490.9	9886.1	10077.8	10182.0	10077.8	9886.1	9490.9	9063.6	8607.6	7966.4	7232.7
-65°	7816.3	8142.3	8249.0	8282.0	8249.0	8142.3	7816.3	7466.3	7095.4	6602.7	6015.9
-67.5°	6355.0	6620.9	6636.8	6585.0	6636.8	6620.9	6355.0	6068.5	5763.9	5377.4	4899.1
-70°	4997.2	5199.6	5248.9	5263.0	5248.9	5199.6	4997.2	4780.6	4550.9	4267.5	3897.3
-72.5°	4006.6	4177.3	4216.8	4233.0	4216.8	4177.3	4006.6	3826.5	3637.5	3414.1	3114.3
-75°	3218.0	3366.5	3383.8	3383.0	3383.8	3366.5	3218.0	3061.8	2898.4	2715.4	2475.4
-77.5°	2489.5	2613.2	2638.3	2654.0	2638.3	2613.2	2489.5	2362.3	2231.9	2094.0	1922.2
-80°	2026.8	2130.0	2137.0	2138.0	2137.0	2130.0	2026.8	1921.3	1814.1	1703.0	1566.2
-82.5°	1653.4	1738.1	1753.5	1766.0	1753.5	1738.1	1653.4	1567.3	1480.3	1391.6	1288.2
-85°	1363.9	1434.7	1455.0	1474.0	1455.0	1434.7	1363.9	1292.6	1221.0	1149.0	1071.2
-87.5°	1143.9	1199.2	1215.3	1231.0	1215.3	1199.2	1143.9	1088.4	1032.7	976.8	915.4
-90°	9.7	7.0	5.0	3.0	5.0	7.0	9.8	12.5	15.3	18.0	21.3



REPORT NUMBER: P1212069 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-40-70-1S-ECV

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	746.0	699.0	652.0	617.8	583.5	549.3	515.0	492.8	470.5	448.3	426.0
87.5°	24.5	27.8	31.0	34.3	37.5	40.8	44.0	47.3	50.5	53.8	57.0
85°	24.6	27.9	31.1	34.4	37.6	40.9	44.1	47.4	50.6	53.9	57.1
82.5°	24.7	28.0	31.2	34.5	37.8	41.0	44.3	47.6	50.8	54.1	57.3
80°	24.9	28.2	31.4	34.7	38.0	41.3	44.5	47.8	51.1	54.3	57.5
77.5°	24.4	27.8	31.2	34.7	38.1	41.5	44.8	48.1	51.4	54.6	57.8
75°	24.7	28.1	31.5	34.9	38.3	41.8	45.2	48.5	51.8	55.0	58.2
72.5°	25.5	28.9	32.4	35.7	39.0	42.3	45.7	49.0	52.2	55.5	58.6
70°	25.8	29.4	32.8	36.2	39.5	42.9	46.2	49.5	52.8	56.1	59.1
67.5°	26.1	29.8	33.3	36.7	40.1	43.5	46.8	50.1	53.4	56.7	59.7
65°	26.4	30.2	33.9	37.3	40.7	44.1	47.5	50.8	54.1	57.4	60.4
62.5°	26.5	30.0	33.9	37.7	41.4	44.9	48.3	51.6	54.9	58.1	61.1
60°	27.1	30.8	34.6	38.4	42.2	45.7	49.1	52.5	55.8	58.9	61.9
57.5°	27.8	31.6	35.5	39.4	43.2	46.7	50.1	53.5	56.8	59.8	62.8
55°	28.6	32.6	36.5	40.4	44.2	47.7	51.2	54.6	57.8	60.8	63.8
52.5°	29.5	33.6	37.6	41.6	45.4	48.9	52.4	55.8	58.9	61.9	64.9
50°	30.6	34.8	38.9	42.9	46.7	50.2	53.7	57.1	60.1	63.1	66.1
47.5°	31.8	36.1	40.2	44.3	48.2	52.1	55.5	58.5	61.6	64.4	67.3
45°	33.1	37.5	41.8	45.8	49.5	53.4	57.5	60.5	63.4	66.2	68.7
42.5°	34.6	39.1	43.5	47.4	51.2	54.8	58.5	62.2	65.3	68.2	70.6
40°	36.3	40.9	45.3	49.3	53.0	56.7	60.2	63.6	67.0	69.9	72.3
37.5°	38.3	42.9	47.4	51.7	55.3	58.8	62.3	65.5	68.8	71.5	73.9
35°	40.7	45.2	49.8	54.1	58.2	61.5	64.9	67.9	70.7	73.3	75.7
32.5°	43.6	48.5	52.9	57.1	60.8	64.4	67.6	70.8	72.9	75.3	77.4
30°	50.1	53.8	57.2	61.1	64.7	67.5	70.4	73.4	75.7	77.6	79.4
27.5°	61.0	62.2	64.3	66.1	69.9	72.1	74.0	76.5	78.6	80.2	81.8
25°	72.9	74.3	74.0	73.8	74.7	77.9	78.5	80.2	81.9	83.2	85.0
22.5°	83.9	87.5	86.0	83.8	82.2	83.2	84.2	84.5	86.2	87.6	88.7
20°	98.5	106.7	102.8	99.8	93.4	89.7	90.1	92.4	93.9	93.3	92.6
17.5°	113.7	128.5	140.0	131.1	113.1	100.5	108.7	109.1	104.0	99.9	96.9
15°	137.7	173.9	190.4	179.6	160.1	148.0	142.7	131.4	117.6	108.5	112.1
12.5°	230.8	236.3	255.9	316.1	272.7	221.2	189.3	162.1	159.6	172.0	168.7
10°	392.1	737.2	680.0	568.5	434.9	317.1	335.6	334.2	310.0	272.6	235.2
7.5°	4008.0	2488.7	1342.7	1221.6	1160.5	962.5	710.7	577.9	479.7	384.4	308.7
5°	9891.3	6016.2	4158.6	3366.7	2441.6	1771.7	1128.6	839.9	660.9	502.6	390.2
2.5°	16376.2	10549.6	7491.0	5829.9	4144.3	3193.0	2265.6	1800.1	1501.6	1223.4	1007.0
0°	29967.0	18717.0	12767.0	10306.0	7609.0	6045.0	4448.0	3361.0	2653.0	2065.0	1629.0
-2.5°	38072.9	23356.7	15867.0	12392.4	9505.3	7678.3	5933.5	4400.1	3419.6	2765.4	2272.4
-5°	40756.4	25356.9	18550.1	14635.7	11448.3	9226.6	7254.3	5519.2	4289.5	3489.8	2890.5
-7.5°	42273.5	27160.6	20738.6	16527.5	13157.4	10595.6	8449.7	6732.6	5397.2	4418.7	3623.4
-10°	39025.3	28441.1	22283.0	17831.9	14476.5	11722.4	9554.3	7837.7	6408.3	5263.8	4296.4
-12.5°	39411.4	29407.0	23005.9	18581.0	15432.5	12634.1	10423.5	8698.0	7302.1	6003.8	4894.4
-15°	38181.6	29874.1	23885.3	19443.2	16171.2	13343.9	10949.8	8976.0	7685.6	6516.7	5405.3
-17.5°	38246.9	29756.9	24028.8	19935.4	16598.8	13714.5	11138.7	9209.2	7899.7	6704.1	5544.8
-20°	36513.4	29521.7	24112.5	19926.0	16594.5	13694.7	11016.5	9328.9	8049.7	6744.3	5456.9



REPORT NUMBER: P1212069 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-40-70-1S-ECV

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	35632.5	28880.0	23897.4	19644.8	16271.1	13417.6	11090.8	9463.9	8129.3	6620.1	5250.2
-25°	34776.3	27947.0	23350.7	19430.3	15879.5	12950.3	11120.6	9613.0	7989.1	6322.4	4951.2
-27.5°	32947.1	27079.2	22539.4	18826.3	15424.7	12922.3	11102.3	9567.0	7660.8	5952.8	4736.5
-30°	30552.7	25920.1	21648.7	17901.7	15221.1	12959.9	11093.0	9010.7	7109.7	5525.2	4572.7
-32.5°	28918.1	24304.6	20408.2	17354.3	14937.0	12954.1	10584.3	8212.0	6340.9	5342.1	4440.4
-35°	26937.5	22472.3	19293.3	16785.1	14672.2	12198.1	9745.2	7387.0	6011.0	5152.0	4275.3
-37.5°	24815.3	20899.9	18343.0	16063.9	13508.8	10990.7	8524.4	6951.9	5872.4	4923.0	4108.7
-40°	23018.2	19900.6	16910.4	14439.2	11860.7	9323.0	7874.1	6733.1	5645.9	4669.7	3907.8
-42.5°	20936.8	17900.9	14839.5	12253.8	10076.9	8710.1	7477.8	6361.0	5342.7	4436.7	3690.9
-45°	18269.7	15345.8	12534.7	10770.1	9418.0	8147.6	6949.7	5913.9	4975.7	4171.2	3444.9
-47.5°	15615.0	13509.0	11571.5	9866.4	8636.4	7471.5	6386.2	5401.2	4604.7	3870.1	3250.1
-50°	13816.2	12078.6	10451.2	8965.4	7805.6	6758.5	5799.6	4929.0	4226.1	3607.1	3029.0
-52.5°	12061.0	10602.5	9264.9	8021.1	6959.9	6055.8	5214.6	4514.0	3888.5	3320.9	2794.7
-55°	10400.8	9168.9	8100.0	7070.2	6120.8	5405.9	4730.0	4103.8	3529.9	3010.1	2552.5
-57.5°	8947.0	7904.9	7054.3	6233.5	5449.0	4808.5	4225.4	3667.7	3160.2	2713.0	2296.9
-60°	7694.5	6849.0	6127.6	5439.0	4789.9	4214.9	3704.4	3228.5	2790.7	2406.9	2047.8
-62.5°	6501.6	5781.0	5200.6	4647.6	4104.3	3593.0	3170.5	2789.9	2431.4	2095.5	1785.7
-65°	5431.5	4854.8	4353.7	3887.4	3441.4	3021.8	2678.8	2359.6	2064.4	1788.6	1514.0
-67.5°	4420.4	3945.4	3530.7	3161.2	2814.8	2475.3	2190.9	1930.0	1696.7	1470.5	1242.5
-70°	3521.3	3141.3	2804.0	2506.8	2234.9	1976.9	1755.7	1552.4	1348.5	1168.1	1008.1
-72.5°	2814.6	2517.1	2250.0	2021.2	1790.9	1576.3	1397.8	1244.4	1092.0	941.3	812.4
-75°	2236.3	1999.8	1782.3	1603.1	1428.6	1260.2	1120.4	1005.5	892.8	782.8	683.8
-77.5°	1750.3	1578.9	1417.4	1289.8	1163.5	1039.1	922.8	829.2	747.2	668.9	599.8
-80°	1430.2	1295.6	1167.7	1070.1	973.7	878.9	789.7	721.2	655.5	594.9	541.6
-82.5°	1185.3	1083.2	984.1	907.6	832.1	757.8	686.9	637.1	588.9	542.5	499.1
-85°	993.5	916.2	839.9	781.2	723.3	666.2	610.9	574.9	539.6	505.1	471.8
-87.5°	854.1	793.0	732.3	688.1	644.2	600.5	557.3	529.8	502.4	475.2	448.4
-90°	24.5	27.8	31.0	34.3	37.5	40.8	44.0	47.3	50.5	53.8	57.0



REPORT NUMBER: P1212069 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-40-70-1S-ECV

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	407.8	389.5	371.2	353.0	330.2	307.5	284.7	262.0	237.0	212.0	187.0
87.5°	60.0	63.0	66.0	69.0	71.5	74.0	76.5	79.0	80.8	82.5	84.3
85°	60.1	63.1	66.1	69.1	71.6	74.1	76.6	79.1	80.8	82.5	84.3
82.5°	60.3	63.3	66.3	69.2	71.7	74.2	76.7	79.1	80.9	82.6	84.3
80°	60.5	63.5	66.5	69.4	71.9	74.4	76.9	79.2	81.0	82.7	84.4
77.5°	60.8	63.8	66.8	69.6	72.1	74.6	77.1	79.4	81.1	82.8	84.5
75°	61.2	64.2	67.1	69.9	72.4	74.9	77.3	79.5	81.2	82.9	84.6
72.5°	61.6	64.6	67.6	70.3	72.7	75.2	77.6	79.7	81.4	83.1	84.8
70°	62.1	65.1	68.0	70.7	73.1	75.5	77.9	79.9	81.6	83.3	84.9
67.5°	62.7	65.7	68.6	71.1	73.5	75.9	78.3	80.2	81.8	83.5	85.1
65°	63.3	66.3	69.2	71.6	74.0	76.4	78.7	80.5	82.1	83.7	85.3
62.5°	64.1	67.0	69.8	72.2	74.5	76.9	79.2	80.8	82.4	84.0	85.6
60°	64.9	67.8	70.4	72.8	75.1	77.4	79.5	81.1	82.7	84.3	85.8
57.5°	65.8	68.7	71.1	73.4	75.8	78.0	79.9	81.5	83.0	84.6	86.1
55°	66.7	69.5	71.8	74.2	76.4	78.7	80.4	81.9	83.4	84.9	86.3
52.5°	67.8	70.4	72.7	74.9	77.2	79.3	80.9	82.3	83.8	85.2	86.5
50°	68.9	71.4	73.7	75.8	78.0	79.9	81.6	82.9	84.2	85.6	86.8
47.5°	70.0	72.5	74.9	76.8	78.8	80.6	82.2	83.6	84.6	86.0	87.1
45°	71.1	73.4	76.0	78.2	79.6	81.2	82.8	84.4	85.3	86.4	87.4
42.5°	72.5	74.6	76.9	79.6	80.7	82.0	83.5	85.0	86.1	86.8	87.8
40°	74.2	76.2	77.9	80.3	81.9	82.7	84.2	85.7	86.9	87.4	88.2
37.5°	75.8	77.8	79.5	81.0	83.0	83.9	84.9	86.3	87.8	88.2	88.7
35°	77.6	79.3	81.1	82.3	83.9	85.0	85.7	87.0	88.5	89.1	89.2
32.5°	79.6	80.9	82.4	83.7	85.1	86.2	86.7	88.1	89.3	90.0	89.7
30°	81.4	82.8	83.9	85.1	86.4	87.3	88.1	89.3	90.2	91.0	90.3
27.5°	83.4	84.7	85.6	86.5	87.7	88.7	90.0	90.8	91.1	91.9	91.1
25°	85.8	86.8	87.4	88.1	88.9	91.6	92.2	92.4	92.3	92.8	92.0
22.5°	89.0	89.0	89.3	89.8	92.7	94.9	94.7	94.3	93.7	93.6	92.9
20°	92.6	91.5	92.6	96.0	97.3	98.3	97.5	96.3	95.1	94.5	93.8
17.5°	96.5	101.0	103.9	103.7	102.6	102.1	100.5	98.4	96.7	95.4	94.7
15°	122.0	121.7	117.4	112.5	108.4	106.1	103.7	100.6	98.3	96.3	96.4
12.5°	158.2	146.1	132.7	122.4	114.6	110.4	107.0	102.7	99.9	98.9	99.1
10°	199.3	173.1	149.4	133.0	121.1	114.8	110.4	107.0	104.8	102.8	101.9
7.5°	243.8	202.0	166.9	144.1	133.5	129.1	122.9	115.5	110.1	106.8	104.7
5°	360.9	319.0	261.0	214.5	178.5	154.7	137.3	124.4	115.5	110.9	107.5
2.5°	788.7	578.2	406.9	296.4	224.8	180.9	151.7	133.2	120.8	115.0	110.3
0°	1221.0	839.0	553.0	378.0	271.0	207.0	166.0	142.0	126.0	119.0	113.0
-2.5°	1784.1	1309.2	1002.9	687.4	427.6	301.7	229.1	172.9	142.9	129.7	120.0
-5°	2322.7	1769.1	1434.0	979.6	577.5	393.1	289.6	202.7	159.3	140.1	127.0
-7.5°	2888.4	2217.3	1795.2	1232.0	715.8	479.3	345.2	230.6	175.0	150.1	133.6
-10°	3409.1	2628.7	2052.8	1392.4	860.4	578.7	399.0	255.7	189.7	159.6	140.0
-12.5°	3854.4	2988.0	2259.1	1527.4	993.4	688.1	478.2	303.4	206.4	168.5	146.1
-15°	4210.9	3284.1	2405.0	1634.6	1108.4	785.8	548.5	357.4	243.1	182.9	151.7
-17.5°	4407.0	3507.6	2482.1	1711.6	1203.0	870.3	608.6	403.7	275.3	203.7	161.6
-20°	4342.5	3508.4	2497.8	1756.7	1275.4	939.9	657.4	441.0	302.2	222.2	174.3



REPORT NUMBER: P1212069 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-40-70-1S-ECV

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4238.8	3362.6	2488.9	1817.6	1335.2	993.3	693.8	468.4	323.1	238.1	185.5
-25°	4081.4	3210.9	2455.2	1851.5	1389.2	1031.0	721.5	485.0	337.5	251.2	195.2
-27.5°	3891.4	3080.4	2408.4	1863.7	1422.5	1051.7	739.2	501.9	348.1	261.0	203.1
-30°	3706.5	3008.6	2389.0	1861.8	1433.6	1059.6	741.5	509.7	359.4	269.5	209.1
-32.5°	3594.8	2926.3	2357.1	1855.8	1427.9	1052.9	737.6	507.3	366.0	276.4	214.7
-35°	3515.2	2860.8	2302.4	1822.5	1405.1	1044.6	735.8	494.4	367.9	280.5	219.3
-37.5°	3387.2	2776.3	2238.2	1769.8	1363.2	1024.4	734.6	503.2	364.9	281.7	222.6
-40°	3248.0	2664.1	2150.1	1703.4	1321.9	992.3	722.3	510.3	362.1	280.1	224.6
-42.5°	3068.7	2536.9	2054.7	1617.9	1273.2	965.8	701.3	507.1	365.7	279.4	225.2
-45°	2894.8	2392.8	1943.2	1552.7	1214.0	926.8	684.7	495.2	364.1	278.4	225.8
-47.5°	2700.1	2243.6	1830.2	1467.5	1154.7	879.1	655.4	484.3	356.3	275.9	227.1
-50°	2509.1	2086.0	1709.6	1378.2	1082.0	828.0	618.3	465.3	352.3	274.0	227.3
-52.5°	2324.4	1923.6	1583.2	1277.7	1003.6	762.6	583.9	440.0	343.6	272.7	226.5
-55°	2126.2	1759.4	1450.2	1167.3	912.7	704.3	540.3	421.5	330.3	271.0	224.7
-57.5°	1929.3	1592.3	1304.9	1044.4	824.8	641.3	501.3	397.4	322.1	267.4	222.6
-60°	1716.7	1414.0	1145.2	926.1	735.1	580.2	463.3	374.2	314.0	262.5	220.3
-62.5°	1493.0	1223.5	997.3	805.2	650.0	524.3	424.2	360.3	303.8	258.3	217.4
-65°	1266.1	1041.1	843.7	698.2	570.3	470.0	402.9	343.9	295.6	252.9	214.2
-67.5°	1033.0	870.1	717.7	591.1	505.6	437.0	378.2	330.7	287.1	246.5	211.6
-70°	858.1	716.6	606.5	526.0	458.9	402.6	360.4	318.4	277.4	242.5	208.4
-72.5°	712.2	619.2	533.7	465.6	423.0	382.2	343.3	306.2	271.7	237.9	204.7
-75°	601.7	539.9	484.2	436.3	397.7	361.2	330.3	298.8	265.5	232.8	202.4
-77.5°	546.6	496.1	448.3	410.1	380.0	350.2	320.7	290.8	259.6	229.7	200.2
-80°	501.8	464.0	428.3	395.6	367.0	338.7	311.9	285.0	255.6	226.4	197.6
-82.5°	467.0	437.9	409.8	382.6	356.5	330.7	305.1	279.5	251.0	222.7	195.0
-85°	446.1	420.8	395.8	371.3	346.6	322.1	298.0	273.8	246.5	219.5	192.7
-87.5°	426.4	404.7	383.2	361.9	338.5	315.0	291.6	268.1	242.0	215.9	190.0
-90°	60.0	63.0	66.0	69.0	71.5	74.0	76.5	79.0	80.8	82.5	84.3



REPORT NUMBER: P1212069 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-40-70-1S-ECV

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	162.0	147.2	132.5	117.7	103.0	97.5	92.0
87.5°	86.0	87.3	88.5	89.8	91.0	91.5	92.0
85°	86.0	87.3	88.5	89.8	91.0	91.5	92.0
82.5°	86.1	87.3	88.5	89.8	91.0	91.5	92.0
80°	86.1	87.3	88.6	89.8	91.0	91.5	92.0
77.5°	86.2	87.4	88.6	89.8	91.0	91.5	92.0
75°	86.2	87.5	88.7	89.9	91.0	91.5	92.0
72.5°	86.3	87.5	88.7	89.9	91.0	91.5	92.0
70°	86.4	87.6	88.8	90.0	91.1	91.5	92.0
67.5°	86.5	87.7	88.9	90.0	91.1	91.5	92.0
65°	86.7	87.8	89.0	90.1	91.1	91.5	92.0
62.5°	86.8	87.9	89.1	90.2	91.1	91.6	92.0
60°	87.0	88.1	89.2	90.2	91.1	91.6	92.0
57.5°	87.1	88.2	89.3	90.3	91.2	91.6	92.0
55°	87.3	88.4	89.4	90.4	91.2	91.6	92.0
52.5°	87.5	88.5	89.5	90.5	91.3	91.6	92.0
50°	87.7	88.7	89.7	90.6	91.4	91.6	92.0
47.5°	87.9	88.9	89.8	90.7	91.4	91.6	92.0
45°	88.2	89.0	89.9	90.8	91.5	91.6	92.0
42.5°	88.6	89.2	90.1	91.0	91.6	91.7	92.0
40°	88.9	89.4	90.3	91.1	91.7	91.7	92.0
37.5°	89.3	89.7	90.4	91.3	91.8	91.7	92.0
35°	89.7	89.9	90.6	91.5	92.0	91.7	92.0
32.5°	90.1	90.3	90.8	91.8	92.1	91.7	92.0
30°	90.6	90.6	91.0	92.0	92.2	91.7	92.0
27.5°	91.0	91.0	91.5	92.3	92.4	91.8	92.0
25°	91.5	91.3	92.1	92.6	92.5	91.8	92.0
22.5°	92.0	91.9	92.8	92.9	92.7	91.8	92.0
20°	92.5	93.1	93.5	93.2	92.8	91.8	92.0
17.5°	93.8	94.3	94.2	93.6	93.0	91.8	92.0
15°	95.7	95.5	95.0	93.9	93.1	91.9	92.0
12.5°	97.7	96.7	95.9	94.3	93.3	91.9	92.0
10°	99.7	98.0	96.7	94.6	93.4	91.9	92.0
7.5°	101.8	99.3	97.5	95.0	93.6	91.9	92.0
5°	103.9	100.5	98.4	95.3	93.7	92.0	92.0
2.5°	106.0	101.8	99.2	95.7	93.9	92.0	92.0
0°	108.0	103.0	100.0	96.0	94.0	92.0	92.0
-2.5°	112.8	105.8	101.9	97.2	94.7	92.3	92.0
-5°	117.4	108.5	103.8	98.5	95.4	92.6	92.0
-7.5°	121.9	111.1	105.6	99.7	96.1	92.9	92.0
-10°	126.2	113.7	107.4	100.8	96.7	93.2	92.0
-12.5°	130.1	116.2	109.1	102.0	97.4	93.5	92.0
-15°	133.7	118.6	110.7	103.1	98.0	93.8	92.0
-17.5°	136.9	120.8	112.3	104.1	98.6	94.1	92.0
-20°	141.6	123.0	113.7	105.2	99.2	94.4	92.0



REPORT NUMBER: P1212069 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS12-1000R-40-70-1S-ECV

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	149.1	125.0	115.0	106.1	99.7	94.6	92.0
-25°	155.9	129.4	116.3	107.0	100.2	94.9	92.0
-27.5°	161.9	134.6	117.4	107.8	100.7	95.2	92.0
-30°	167.0	139.4	118.6	108.6	101.2	95.4	92.0
-32.5°	171.2	143.6	121.6	109.3	101.6	95.6	92.0
-35°	175.8	147.4	124.3	109.9	102.1	95.9	92.0
-37.5°	180.2	150.7	126.7	110.5	102.4	96.1	92.0
-40°	183.8	153.5	128.8	110.9	102.8	96.3	92.0
-42.5°	186.6	155.9	130.7	111.7	103.1	96.5	92.0
-45°	188.6	157.7	132.5	113.0	103.3	96.6	92.0
-47.5°	189.9	159.0	134.0	114.2	103.6	96.8	92.0
-50°	190.6	159.9	135.2	115.3	103.7	97.0	92.0
-52.5°	190.7	160.2	136.1	116.3	103.9	97.1	92.0
-55°	190.1	160.6	136.7	117.1	104.0	97.2	92.0
-57.5°	188.9	160.7	137.1	117.8	104.1	97.3	92.0
-60°	187.1	160.4	137.2	118.4	104.1	97.4	92.0
-62.5°	185.6	159.7	137.6	118.9	104.2	97.5	92.0
-65°	183.7	158.6	137.8	119.2	104.3	97.6	92.0
-67.5°	181.2	157.7	137.7	119.4	104.3	97.6	92.0
-70°	178.2	157.0	137.5	119.5	104.3	97.7	92.0
-72.5°	176.4	156.1	137.1	119.6	104.2	97.7	92.0
-75°	174.6	155.0	136.6	119.6	104.1	97.7	92.0
-77.5°	172.4	153.7	136.2	119.6	104.0	97.7	92.0
-80°	170.0	152.5	135.7	119.4	103.9	97.7	92.0
-82.5°	168.2	151.5	135.1	119.1	103.7	97.6	92.0
-85°	166.3	150.2	134.4	118.8	103.5	97.6	92.0
-87.5°	164.2	148.8	133.5	118.3	103.3	97.6	92.0
-90°	86.0	87.3	88.5	89.8	91.0	91.5	92.0

(END OF REPORT)