

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

(formerly Eaton)

Brand: EPHESUS

Report Number: P699994 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200R-57-70-4S-S**

Issue Date: 8/10/2023

Test Information

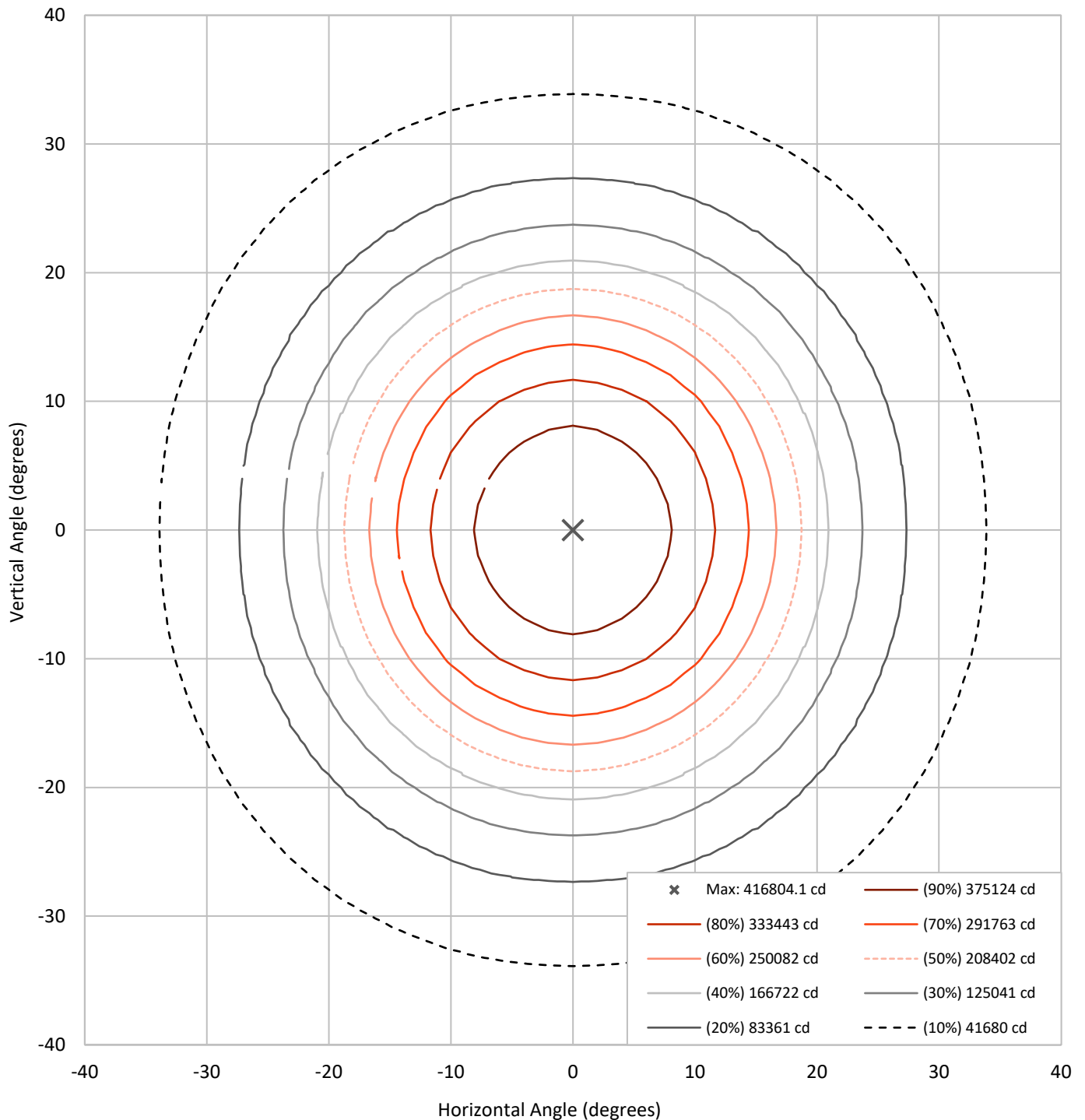
Test Method: LM-79-08
Report Number: P699994 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-12)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200R-57-70-4S-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 70 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:	198906.8 lumens	Max Intensity:	416804.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	159.8 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	37.5°H x 37.5°V	Field Angle (10%):	67.8°H x 67.8°V
Beam Lumens:	101196.1 lumens	Field Lumens:	174999.7 lumens
Beam Efficiency:	50.9%	Field Efficiency:	88.0%
Input Watts (W):	1244.6		
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





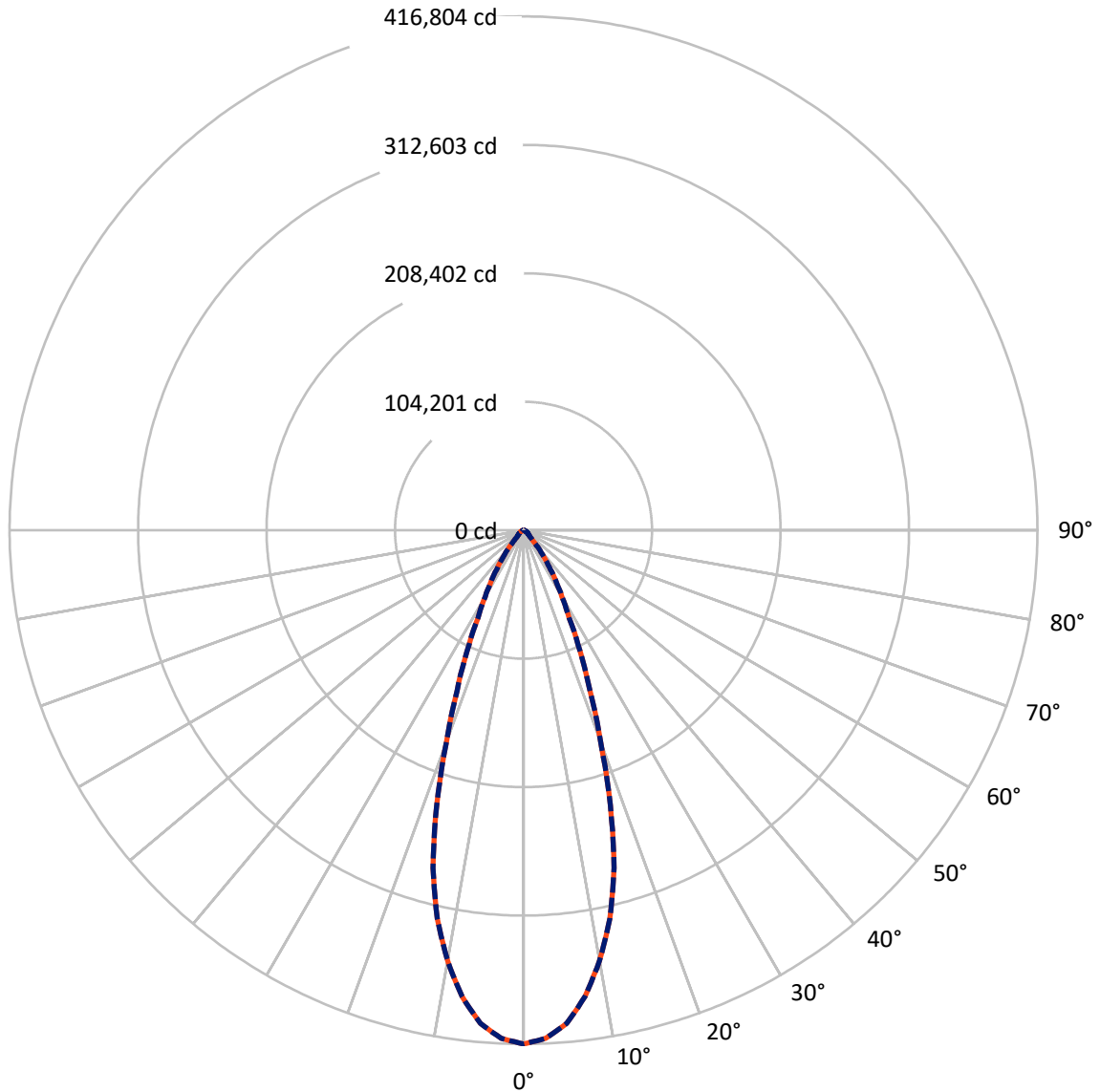
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Lumen Table

90															90				
80	0.1	1.2		6.4		16.3		21.4		16.3		6.4		1.2		0.1			
70															70				
60	0.6	1.0	4.3	11.8	23.5	37.0	48.6	55.1	55.1	48.6	37.0	23.5	11.8	4.3	1.0	0.6			
		3.2	13.7	34.7	62.5	89.4	110.4	122.1	122.1	110.4	89.4	62.5	34.7	13.7	3.2				
50															50				
40	2.3	7.3	28.3	63.8	103.6	147.6	205.3	259.4	259.4	205.3	147.6	103.6	63.8	28.3	7.3	2.3			
		12.6	44.2	89.7	157.9	375.4	777.9	1089.8	1089.8	777.9	375.4	157.9	89.7	44.2	12.6				
30															30				
20	4.9	17.8	57.2	115.7	341.5	1059.3	2151.3	3208.5	3208.5	2151.3	1059.3	341.5	115.7	57.2	17.8	4.9			
		22.0	66.2	151.9	666.4	2026.1	4892.9	7833.6	7833.6	4892.9	2026.1	666.4	151.9	66.2	22.0				
10															10				
0	6.0	24.2	71.1	187.1	906.0	2937.6	7611.9	11352.6	11352.6	7611.9	2937.6	906.0	187.1	71.1	24.2	6.0			
		24.2	71.1	187.1	906.0	2937.6	7611.9	11352.6	11352.6	7611.9	2937.6	906.0	187.1	71.1	24.2				
-10															-10				
-20	4.9	22.0	66.2	151.9	666.4	2026.1	4892.9	7833.6	7833.6	4892.9	2026.1	666.4	151.9	66.2	22.0	4.9			
		17.8	57.2	115.7	341.5	1059.3	2151.3	3208.5	3208.5	2151.3	1059.3	341.5	115.7	57.2	17.8				
-30															-30				
-40	2.3	12.6	44.2	89.7	157.9	375.4	777.9	1089.8	1089.8	777.9	375.4	157.9	89.7	44.2	12.6	2.3			
		7.3	28.3	63.8	103.6	147.6	205.3	259.4	259.4	205.3	147.6	103.6	63.8	28.3	7.3				
-50															-50				
-60	0.6	3.2	13.7	34.7	62.5	89.4	110.4	122.1	122.1	110.4	89.4	62.5	34.7	13.7	3.2	0.6			
		1.0	4.3	11.8	23.5	37.0	48.6	55.1	55.1	48.6	37.0	23.5	11.8	4.3	1.0				
-70															-70				
-80	0.1	1.2		6.4		16.3		21.4		16.3		6.4		1.2		0.1			
-90															-90				
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90
	Horizontal Angle (degrees)																		

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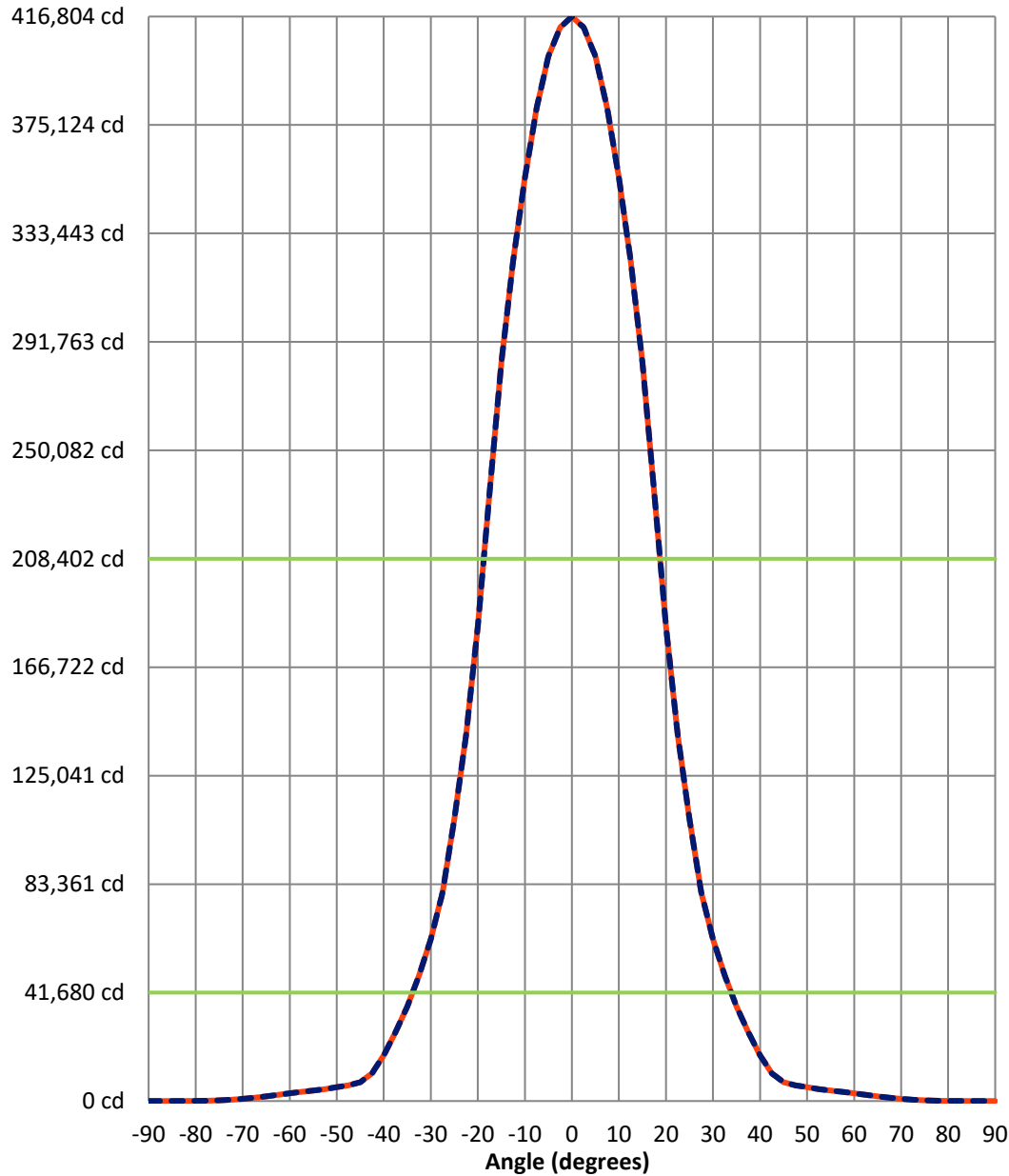
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 0-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 37.5°
 V Angle: 37.5°
 Lumens: 101196.1
 Efficiency: 50.9%

Field:
 H Angle: 67.8°
 V Angle: 67.8°
 Lumens: 174999.7
 Efficiency: 88.0%

Spill:
 Lumens: 23907.2
 Efficiency: 12.0%

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



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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.1	1.2	1.3
85°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.1	2.4	2.6
82.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.3	4.3	5.3
80°	0.0	0.5	1.1	1.6	2.1	2.7	3.3	4.7	6.1	7.4	8.7
77.5°	0.0	0.7	1.3	2.0	2.7	3.7	5.4	7.1	8.8	10.5	13.1
75°	0.0	0.8	1.6	2.4	3.3	5.4	7.5	9.5	11.9	16.4	20.8
72.5°	0.0	0.9	1.9	2.8	4.7	7.1	9.5	12.7	18.0	23.2	28.3
70°	0.0	1.1	2.1	3.3	6.1	8.8	11.9	18.0	24.0	30.0	37.5
67.5°	0.0	1.2	2.4	4.3	7.4	10.5	16.4	23.2	30.0	38.5	46.9
65°	0.0	1.3	2.6	5.3	8.7	13.1	20.8	28.3	37.5	46.9	62.4
62.5°	0.0	1.4	2.9	6.2	10.0	16.7	25.1	34.3	44.8	59.0	92.5
60°	0.0	1.5	3.1	7.2	11.2	20.3	29.3	40.6	52.0	85.6	122.1
57.5°	0.0	1.7	3.7	8.1	13.9	23.7	34.5	46.8	71.8	111.7	168.2
55°	0.0	1.8	4.3	9.0	16.6	27.1	39.6	52.8	94.4	142.1	221.3
52.5°	0.0	1.9	4.9	9.8	19.2	30.5	44.6	70.5	116.4	188.6	273.0
50°	0.0	2.0	5.4	10.7	21.7	34.5	49.4	89.2	143.3	233.7	347.3
47.5°	0.0	2.1	6.0	11.7	24.2	38.4	55.6	107.2	182.0	277.4	422.0
45°	0.0	2.2	6.5	13.5	26.5	42.1	70.4	124.5	219.4	341.6	494.2
42.5°	0.0	2.3	7.0	15.2	28.7	45.7	84.7	149.7	255.2	403.8	595.3
40°	0.0	2.4	7.5	16.8	31.2	49.1	98.2	179.6	295.5	463.3	697.3
37.5°	0.0	2.5	7.9	18.3	33.8	52.3	111.2	208.0	345.6	528.5	794.5
35°	0.0	2.5	8.3	19.7	36.2	60.0	123.4	234.9	393.2	611.1	895.7
32.5°	0.0	2.6	8.7	21.1	38.5	69.6	137.9	260.3	437.9	688.9	1004.7
30°	0.0	2.7	9.1	22.3	40.6	78.5	158.1	287.0	479.8	761.9	1106.8
27.5°	0.0	2.7	9.4	23.5	42.6	86.8	176.9	320.8	526.6	829.7	1201.9
25°	0.0	2.8	9.8	24.6	44.5	94.4	194.2	352.0	581.8	902.5	1290.4
22.5°	0.0	2.9	10.0	25.6	46.1	101.3	209.9	380.5	632.1	974.0	1385.9
20°	0.0	2.9	10.3	26.4	47.7	107.6	224.1	406.1	677.5	1038.5	1472.2
17.5°	0.0	3.0	10.5	27.2	49.0	113.2	236.7	428.9	717.9	1095.8	1548.9
15°	0.0	3.0	10.7	27.9	50.2	118.0	247.7	448.8	753.0	1145.9	1615.9
12.5°	0.0	3.0	10.9	28.5	51.1	122.1	257.0	465.7	783.0	1188.4	1672.9
10°	0.0	3.1	11.1	29.0	52.0	125.5	264.7	479.5	807.5	1223.4	1719.8
7.5°	0.0	3.1	11.2	29.3	52.6	128.1	270.7	490.3	826.7	1250.7	1756.4
5°	0.0	3.1	11.2	29.6	53.0	130.0	275.0	498.1	840.5	1270.3	1782.7
2.5°	0.0	3.1	11.3	29.7	53.3	131.1	277.5	502.7	848.7	1282.1	1798.4
0°	0.0	3.1	11.3	29.8	53.4	131.5	278.4	504.3	851.5	1286.0	1803.7
-2.5°	0.0	3.1	11.3	29.7	53.3	131.1	277.5	502.7	848.7	1282.1	1798.4
-5°	0.0	3.1	11.2	29.6	53.0	130.0	275.0	498.1	840.5	1270.3	1782.7
-7.5°	0.0	3.1	11.2	29.3	52.6	128.1	270.7	490.3	826.7	1250.7	1756.4
-10°	0.0	3.1	11.1	29.0	52.0	125.5	264.7	479.5	807.5	1223.4	1719.8
-12.5°	0.0	3.0	10.9	28.5	51.1	122.1	257.0	465.7	783.0	1188.4	1672.9
-15°	0.0	3.0	10.7	27.9	50.2	118.0	247.7	448.8	753.0	1145.9	1615.9
-17.5°	0.0	3.0	10.5	27.2	49.0	113.2	236.7	428.9	717.9	1095.8	1548.9
-20°	0.0	2.9	10.3	26.4	47.7	107.6	224.1	406.1	677.5	1038.5	1472.2



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	2.9	10.0	25.6	46.1	101.3	209.9	380.5	632.1	974.0	1385.9
-25°	0.0	2.8	9.8	24.6	44.5	94.4	194.2	352.0	581.8	902.5	1290.4
-27.5°	0.0	2.7	9.4	23.5	42.6	86.8	176.9	320.8	526.6	829.7	1201.9
-30°	0.0	2.7	9.1	22.3	40.6	78.5	158.1	287.0	479.8	761.9	1106.8
-32.5°	0.0	2.6	8.7	21.1	38.5	69.6	137.9	260.3	437.9	688.9	1004.7
-35°	0.0	2.5	8.3	19.7	36.2	60.0	123.4	234.9	393.2	611.1	895.7
-37.5°	0.0	2.5	7.9	18.3	33.8	52.3	111.2	208.0	345.6	528.5	794.5
-40°	0.0	2.4	7.5	16.8	31.2	49.1	98.2	179.6	295.5	463.3	697.3
-42.5°	0.0	2.3	7.0	15.2	28.7	45.7	84.7	149.7	255.2	403.8	595.3
-45°	0.0	2.2	6.5	13.5	26.5	42.1	70.4	124.5	219.4	341.6	494.2
-47.5°	0.0	2.1	6.0	11.7	24.2	38.4	55.6	107.2	182.0	277.4	422.0
-50°	0.0	2.0	5.4	10.7	21.7	34.5	49.4	89.2	143.3	233.7	347.3
-52.5°	0.0	1.9	4.9	9.8	19.2	30.5	44.6	70.5	116.4	188.6	273.0
-55°	0.0	1.8	4.3	9.0	16.6	27.1	39.6	52.8	94.4	142.1	221.3
-57.5°	0.0	1.7	3.7	8.1	13.9	23.7	34.5	46.8	71.8	111.7	168.2
-60°	0.0	1.5	3.1	7.2	11.2	20.3	29.3	40.6	52.0	85.6	122.1
-62.5°	0.0	1.4	2.9	6.2	10.0	16.7	25.1	34.3	44.8	59.0	92.5
-65°	0.0	1.3	2.6	5.3	8.7	13.1	20.8	28.3	37.5	46.9	62.4
-67.5°	0.0	1.2	2.4	4.3	7.4	10.5	16.4	23.2	30.0	38.5	46.9
-70°	0.0	1.1	2.1	3.3	6.1	8.8	11.9	18.0	24.0	30.0	37.5
-72.5°	0.0	0.9	1.9	2.8	4.7	7.1	9.5	12.7	18.0	23.2	28.3
-75°	0.0	0.8	1.6	2.4	3.3	5.4	7.5	9.5	11.9	16.4	20.8
-77.5°	0.0	0.7	1.3	2.0	2.7	3.7	5.4	7.1	8.8	10.5	13.1
-80°	0.0	0.5	1.1	1.6	2.1	2.7	3.3	4.7	6.1	7.4	8.7
-82.5°	0.0	0.4	0.8	1.2	1.6	2.0	2.4	2.8	3.3	4.3	5.3
-85°	0.0	0.3	0.5	0.8	1.1	1.3	1.6	1.9	2.1	2.4	2.6
-87.5°	0.0	0.1	0.3	0.4	0.5	0.7	0.8	0.9	1.1	1.2	1.3
-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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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
85°	2.9	3.1	3.7	4.3	4.9	5.4	6.0	6.5	7.0	7.5	7.9
82.5°	6.2	7.2	8.1	9.0	9.8	10.7	11.7	13.5	15.2	16.8	18.3
80°	10.0	11.2	13.9	16.6	19.2	21.7	24.2	26.5	28.7	31.2	33.8
77.5°	16.7	20.3	23.7	27.1	30.5	34.5	38.4	42.1	45.7	49.1	52.3
75°	25.1	29.3	34.5	39.6	44.6	49.4	55.6	70.4	84.7	98.2	111.2
72.5°	34.3	40.6	46.8	52.8	70.5	89.2	107.2	124.5	149.7	179.6	208.0
70°	44.8	52.0	71.8	94.4	116.4	143.3	182.0	219.4	255.2	295.5	345.6
67.5°	59.0	85.6	111.7	142.1	188.6	233.7	277.4	341.6	403.8	463.3	528.5
65°	92.5	122.1	168.2	221.3	273.0	347.3	422.0	494.2	595.3	697.3	794.5
62.5°	125.6	181.4	241.1	310.7	398.2	483.1	598.3	720.5	838.1	975.8	1110.4
60°	181.4	247.7	331.2	428.9	535.0	677.5	815.8	974.0	1135.1	1290.4	1466.3
57.5°	241.1	331.2	439.2	566.8	725.4	887.0	1074.7	1256.3	1459.3	1659.8	1857.3
55°	310.7	428.9	566.8	741.4	927.4	1135.6	1348.0	1581.6	1807.6	2050.9	2283.8
52.5°	398.2	535.0	725.4	927.4	1156.0	1396.9	1655.6	1919.0	2191.0	2455.1	2713.9
50°	483.1	677.5	887.0	1135.6	1396.9	1680.4	1975.1	2275.9	2572.7	2862.0	3129.6
47.5°	598.3	815.8	1074.7	1348.0	1655.6	1975.1	2304.3	2631.9	2951.8	3242.7	3520.7
45°	720.5	974.0	1256.3	1581.6	1919.0	2275.9	2631.9	2981.9	3299.7	3599.5	3861.7
42.5°	838.1	1135.1	1459.3	1807.6	2191.0	2572.7	2951.8	3299.7	3625.2	3913.7	4206.5
40°	975.8	1290.4	1659.8	2050.9	2455.1	2862.0	3242.7	3599.5	3913.7	4235.4	4557.2
37.5°	1110.4	1466.3	1857.3	2283.8	2713.9	3129.6	3520.7	3861.7	4206.5	4557.2	5038.5
35°	1238.2	1633.5	2061.9	2509.5	2960.8	3378.0	3758.4	4120.1	4498.2	4995.2	5493.3
32.5°	1372.8	1791.6	2255.5	2726.2	3181.3	3605.6	3982.5	4381.4	4866.1	5413.8	5900.4
30°	1507.8	1956.7	2439.2	2930.3	3388.0	3802.7	4208.9	4653.7	5246.6	5778.9	6474.1
27.5°	1633.5	2112.0	2614.4	3112.0	3576.7	3987.6	4425.9	4988.5	5579.2	6186.7	7116.1
25°	1749.7	2255.5	2776.5	3277.2	3735.5	4170.7	4651.9	5300.8	5881.0	6750.3	8579.6
22.5°	1862.2	2387.1	2925.0	3428.9	3881.3	4342.9	4919.3	5564.7	6249.7	7318.1	10166.9
20°	1969.8	2509.5	3054.4	3563.4	4013.7	4499.5	5162.7	5801.2	6694.2	8672.5	12614.0
17.5°	2065.6	2618.5	3166.5	3671.8	4140.7	4668.6	5377.3	6013.7	7094.3	9894.2	15291.6
15°	2149.2	2713.9	3264.6	3766.8	4253.6	4845.1	5549.7	6320.1	7809.8	11293.2	17685.1
12.5°	2220.5	2795.1	3348.2	3847.9	4350.2	4996.2	5697.5	6599.6	8667.4	13181.9	20314.3
10°	2279.1	2862.0	3417.1	3914.8	4429.8	5120.9	5819.6	6831.0	9378.5	14751.3	22503.7
7.5°	2324.9	2914.3	3471.0	3967.1	4492.2	5218.7	5915.5	7012.8	9937.9	15987.4	24231.6
5°	2357.8	2951.8	3509.7	4004.7	4537.0	5289.0	5984.4	7143.6	10340.8	16879.0	25479.7
2.5°	2377.5	2974.4	3532.9	4027.3	4564.0	5331.3	6025.9	7222.4	10583.9	17417.5	26234.3
0°	2384.1	2981.9	3540.7	4034.8	4573.0	5345.4	6039.8	7248.8	10665.2	17597.6	26486.8
-2.5°	2377.5	2974.4	3532.9	4027.3	4564.0	5331.3	6025.9	7222.4	10583.9	17417.5	26234.3
-5°	2357.8	2951.8	3509.7	4004.7	4537.0	5289.0	5984.4	7143.6	10340.8	16879.0	25479.7
-7.5°	2324.9	2914.3	3471.0	3967.1	4492.2	5218.7	5915.5	7012.8	9937.9	15987.4	24231.6
-10°	2279.1	2862.0	3417.1	3914.8	4429.8	5120.9	5819.6	6831.0	9378.5	14751.3	22503.7
-12.5°	2220.5	2795.1	3348.2	3847.9	4350.2	4996.2	5697.5	6599.6	8667.4	13181.9	20314.3
-15°	2149.2	2713.9	3264.6	3766.8	4253.6	4845.1	5549.7	6320.1	7809.8	11293.2	17685.1
-17.5°	2065.6	2618.5	3166.5	3671.8	4140.7	4668.6	5377.3	6013.7	7094.3	9894.2	15291.6
-20°	1969.8	2509.5	3054.4	3563.4	4013.7	4499.5	5162.7	5801.2	6694.2	8672.5	12614.0



REPORT NUMBER: P699994 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-4S-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1862.2	2387.1	2925.0	3428.9	3881.3	4342.9	4919.3	5564.7	6249.7	7318.1	10166.9
-25°	1749.7	2255.5	2776.5	3277.2	3735.5	4170.7	4651.9	5300.8	5881.0	6750.3	8579.6
-27.5°	1633.5	2112.0	2614.4	3112.0	3576.7	3987.6	4425.9	4988.5	5579.2	6186.7	7116.1
-30°	1507.8	1956.7	2439.2	2930.3	3388.0	3802.7	4208.9	4653.7	5246.6	5778.9	6474.1
-32.5°	1372.8	1791.6	2255.5	2726.2	3181.3	3605.6	3982.5	4381.4	4866.1	5413.8	5900.4
-35°	1238.2	1633.5	2061.9	2509.5	2960.8	3378.0	3758.4	4120.1	4498.2	4995.2	5493.3
-37.5°	1110.4	1466.3	1857.3	2283.8	2713.9	3129.6	3520.7	3861.7	4206.5	4557.2	5038.5
-40°	975.8	1290.4	1659.8	2050.9	2455.1	2862.0	3242.7	3599.5	3913.7	4235.4	4557.2
-42.5°	838.1	1135.1	1459.3	1807.6	2191.0	2572.7	2951.8	3299.7	3625.2	3913.7	4206.5
-45°	720.5	974.0	1256.3	1581.6	1919.0	2275.9	2631.9	2981.9	3299.7	3599.5	3861.7
-47.5°	598.3	815.8	1074.7	1348.0	1655.6	1975.1	2304.3	2631.9	2951.8	3242.7	3520.7
-50°	483.1	677.5	887.0	1135.6	1396.9	1680.4	1975.1	2275.9	2572.7	2862.0	3129.6
-52.5°	398.2	535.0	725.4	927.4	1156.0	1396.9	1655.6	1919.0	2191.0	2455.1	2713.9
-55°	310.7	428.9	566.8	741.4	927.4	1135.6	1348.0	1581.6	1807.6	2050.9	2283.8
-57.5°	241.1	331.2	439.2	566.8	725.4	887.0	1074.7	1256.3	1459.3	1659.8	1857.3
-60°	181.4	247.7	331.2	428.9	535.0	677.5	815.8	974.0	1135.1	1290.4	1466.3
-62.5°	125.6	181.4	241.1	310.7	398.2	483.1	598.3	720.5	838.1	975.8	1110.4
-65°	92.5	122.1	168.2	221.3	273.0	347.3	422.0	494.2	595.3	697.3	794.5
-67.5°	59.0	85.6	111.7	142.1	188.6	233.7	277.4	341.6	403.8	463.3	528.5
-70°	44.8	52.0	71.8	94.4	116.4	143.3	182.0	219.4	255.2	295.5	345.6
-72.5°	34.3	40.6	46.8	52.8	70.5	89.2	107.2	124.5	149.7	179.6	208.0
-75°	25.1	29.3	34.5	39.6	44.6	49.4	55.6	70.4	84.7	98.2	111.2
-77.5°	16.7	20.3	23.7	27.1	30.5	34.5	38.4	42.1	45.7	49.1	52.3
-80°	10.0	11.2	13.9	16.6	19.2	21.7	24.2	26.5	28.7	31.2	33.8
-82.5°	6.2	7.2	8.1	9.0	9.8	10.7	11.7	13.5	15.2	16.8	18.3
-85°	2.9	3.1	3.7	4.3	4.9	5.4	6.0	6.5	7.0	7.5	7.9
-87.5°	1.4	1.5	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5
-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: P699994 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-4S-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	2.6	2.7	2.7	2.8	2.9	2.9	3.0	3.0	3.0	3.1
85°	8.3	8.7	9.1	9.4	9.8	10.0	10.3	10.5	10.7	10.9	11.1
82.5°	19.7	21.1	22.3	23.5	24.6	25.6	26.4	27.2	27.9	28.5	29.0
80°	36.2	38.5	40.6	42.6	44.5	46.1	47.7	49.0	50.2	51.1	52.0
77.5°	60.0	69.6	78.5	86.8	94.4	101.3	107.6	113.2	118.0	122.1	125.5
75°	123.4	137.9	158.1	176.9	194.2	209.9	224.1	236.7	247.7	257.0	264.7
72.5°	234.9	260.3	287.0	320.8	352.0	380.5	406.1	428.9	448.8	465.7	479.5
70°	393.2	437.9	479.8	526.6	581.8	632.1	677.5	717.9	753.0	783.0	807.5
67.5°	611.1	688.9	761.9	829.7	902.5	974.0	1038.5	1095.8	1145.9	1188.4	1223.4
65°	895.7	1004.7	1106.8	1201.9	1290.4	1385.9	1472.2	1548.9	1615.9	1672.9	1719.8
62.5°	1238.2	1372.8	1507.8	1633.5	1749.7	1862.2	1969.8	2065.6	2149.2	2220.5	2279.1
60°	1633.5	1791.6	1956.7	2112.0	2255.5	2387.1	2509.5	2618.5	2713.9	2795.1	2862.0
57.5°	2061.9	2255.5	2439.2	2614.4	2776.5	2925.0	3054.4	3166.5	3264.6	3348.2	3417.1
55°	2509.5	2726.2	2930.3	3112.0	3277.2	3428.9	3563.4	3671.8	3766.8	3847.9	3914.8
52.5°	2960.8	3181.3	3388.0	3576.7	3735.5	3881.3	4013.7	4140.7	4253.6	4350.2	4429.8
50°	3378.0	3605.6	3802.7	3987.6	4170.7	4342.9	4499.5	4668.6	4845.1	4996.2	5120.9
47.5°	3758.4	3982.5	4208.9	4425.9	4651.9	4919.3	5162.7	5377.3	5549.7	5697.5	5819.6
45°	4120.1	4381.4	4653.7	4988.5	5300.8	5564.7	5801.2	6013.7	6320.1	6599.6	6831.0
42.5°	4498.2	4866.1	5246.6	5579.2	5881.0	6249.7	6694.2	7094.3	7809.8	8667.4	9378.5
40°	4995.2	5413.8	5778.9	6186.7	6750.3	7318.1	8672.5	9894.2	11293.2	13181.9	14751.3
37.5°	5493.3	5900.4	6474.1	7116.1	8579.6	10166.9	12614.0	15291.6	17685.1	20314.3	22503.7
35°	5941.2	6619.5	7503.9	9437.8	11875.9	15331.3	18776.5	22483.7	25781.2	28868.1	31508.8
32.5°	6619.5	7715.5	9872.3	13232.5	17184.9	21817.0	26211.1	30613.9	34570.8	38368.0	41862.8
30°	7503.9	9872.3	13688.8	18273.9	23678.2	29006.6	34238.2	39598.7	44804.5	49527.3	53984.0
27.5°	9437.8	13232.5	18273.9	24304.9	30442.4	36492.2	43312.9	49802.6	56394.8	62177.1	68491.2
25°	11875.9	17184.9	23678.2	30442.4	37403.0	45206.0	53240.8	61143.1	70101.8	78282.5	88040.9
22.5°	15331.3	21817.0	29006.6	36492.2	45206.0	54403.3	63975.5	75021.5	87841.1	101833.5	114627.5
20°	18776.5	26211.1	34238.2	43312.9	53240.8	63975.5	76690.1	93319.8	110770.8	128447.1	144593.6
17.5°	22483.7	30613.9	39598.7	49802.6	61143.1	75021.5	93319.8	114149.4	135611.9	159275.1	181261.8
15°	25781.2	34570.8	44804.5	56394.8	70101.8	87841.1	110770.8	135611.9	164310.9	194209.4	224408.7
12.5°	28868.1	38368.0	49527.3	62177.1	78282.5	101833.5	128447.1	159275.1	194209.4	231743.4	264647.2
10°	31508.8	41862.8	53984.0	68491.2	88040.9	114627.5	144593.6	181261.8	224408.7	264647.2	298413.9
7.5°	33597.5	44634.7	57531.0	73543.6	96759.0	125770.0	160706.3	203255.9	249235.3	291172.9	323162.7
5°	35109.0	46645.0	60110.4	77230.6	103149.2	133984.5	172677.2	219992.1	267926.5	308715.0	340752.4
2.5°	36023.9	47863.8	61677.2	79475.7	107052.9	139024.1	180063.9	230404.1	279695.0	319340.1	351152.6
0°	36330.3	48272.2	62202.8	80229.8	108366.2	140723.4	182562.4	233941.8	283720.9	322833.8	354752.3
-2.5°	36023.9	47863.8	61677.2	79475.7	107052.9	139024.1	180063.9	230404.1	279695.0	319340.1	351152.6
-5°	35109.0	46645.0	60110.4	77230.6	103149.2	133984.5	172677.2	219992.1	267926.5	308715.0	340752.4
-7.5°	33597.5	44634.7	57531.0	73543.6	96759.0	125770.0	160706.3	203255.9	249235.3	291172.9	323162.7
-10°	31508.8	41862.8	53984.0	68491.2	88040.9	114627.5	144593.6	181261.8	224408.7	264647.2	298413.9
-12.5°	28868.1	38368.0	49527.3	62177.1	78282.5	101833.5	128447.1	159275.1	194209.4	231743.4	264647.2
-15°	25781.2	34570.8	44804.5	56394.8	70101.8	87841.1	110770.8	135611.9	164310.9	194209.4	224408.7
-17.5°	22483.7	30613.9	39598.7	49802.6	61143.1	75021.5	93319.8	114149.4	135611.9	159275.1	181261.8
-20°	18776.5	26211.1	34238.2	43312.9	53240.8	63975.5	76690.1	93319.8	110770.8	128447.1	144593.6



REPORT NUMBER: P699994 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-4S-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	15331.3	21817.0	29006.6	36492.2	45206.0	54403.3	63975.5	75021.5	87841.1	101833.5	114627.5
-25°	11875.9	17184.9	23678.2	30442.4	37403.0	45206.0	53240.8	61143.1	70101.8	78282.5	88040.9
-27.5°	9437.8	13232.5	18273.9	24304.9	30442.4	36492.2	43312.9	49802.6	56394.8	62177.1	68491.2
-30°	7503.9	9872.3	13688.8	18273.9	23678.2	29006.6	34238.2	39598.7	44804.5	49527.3	53984.0
-32.5°	6619.5	7715.5	9872.3	13232.5	17184.9	21817.0	26211.1	30613.9	34570.8	38368.0	41862.8
-35°	5941.2	6619.5	7503.9	9437.8	11875.9	15331.3	18776.5	22483.7	25781.2	28868.1	31508.8
-37.5°	5493.3	5900.4	6474.1	7116.1	8579.6	10166.9	12614.0	15291.6	17685.1	20314.3	22503.7
-40°	4995.2	5413.8	5778.9	6186.7	6750.3	7318.1	8672.5	9894.2	11293.2	13181.9	14751.3
-42.5°	4498.2	4866.1	5246.6	5579.2	5881.0	6249.7	6694.2	7094.3	7809.8	8667.4	9378.5
-45°	4120.1	4381.4	4653.7	4988.5	5300.8	5564.7	5801.2	6013.7	6320.1	6599.6	6831.0
-47.5°	3758.4	3982.5	4208.9	4425.9	4651.9	4919.3	5162.7	5377.3	5549.7	5697.5	5819.6
-50°	3378.0	3605.6	3802.7	3987.6	4170.7	4342.9	4499.5	4668.6	4845.1	4996.2	5120.9
-52.5°	2960.8	3181.3	3388.0	3576.7	3735.5	3881.3	4013.7	4140.7	4253.6	4350.2	4429.8
-55°	2509.5	2726.2	2930.3	3112.0	3277.2	3428.9	3563.4	3671.8	3766.8	3847.9	3914.8
-57.5°	2061.9	2255.5	2439.2	2614.4	2776.5	2925.0	3054.4	3166.5	3264.6	3348.2	3417.1
-60°	1633.5	1791.6	1956.7	2112.0	2255.5	2387.1	2509.5	2618.5	2713.9	2795.1	2862.0
-62.5°	1238.2	1372.8	1507.8	1633.5	1749.7	1862.2	1969.8	2065.6	2149.2	2220.5	2279.1
-65°	895.7	1004.7	1106.8	1201.9	1290.4	1385.9	1472.2	1548.9	1615.9	1672.9	1719.8
-67.5°	611.1	688.9	761.9	829.7	902.5	974.0	1038.5	1095.8	1145.9	1188.4	1223.4
-70°	393.2	437.9	479.8	526.6	581.8	632.1	677.5	717.9	753.0	783.0	807.5
-72.5°	234.9	260.3	287.0	320.8	352.0	380.5	406.1	428.9	448.8	465.7	479.5
-75°	123.4	137.9	158.1	176.9	194.2	209.9	224.1	236.7	247.7	257.0	264.7
-77.5°	60.0	69.6	78.5	86.8	94.4	101.3	107.6	113.2	118.0	122.1	125.5
-80°	36.2	38.5	40.6	42.6	44.5	46.1	47.7	49.0	50.2	51.1	52.0
-82.5°	19.7	21.1	22.3	23.5	24.6	25.6	26.4	27.2	27.9	28.5	29.0
-85°	8.3	8.7	9.1	9.4	9.8	10.0	10.3	10.5	10.7	10.9	11.1
-87.5°	2.5	2.6	2.7	2.7	2.8	2.9	2.9	3.0	3.0	3.0	3.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P699994 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-4S-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0
85°	11.2	11.2	11.3	11.3	11.3	11.2	11.2	11.1	10.9	10.7	10.5
82.5°	29.3	29.6	29.7	29.8	29.7	29.6	29.3	29.0	28.5	27.9	27.2
80°	52.6	53.0	53.3	53.4	53.3	53.0	52.6	52.0	51.1	50.2	49.0
77.5°	128.1	130.0	131.1	131.5	131.1	130.0	128.1	125.5	122.1	118.0	113.2
75°	270.7	275.0	277.5	278.4	277.5	275.0	270.7	264.7	257.0	247.7	236.7
72.5°	490.3	498.1	502.7	504.3	502.7	498.1	490.3	479.5	465.7	448.8	428.9
70°	826.7	840.5	848.7	851.5	848.7	840.5	826.7	807.5	783.0	753.0	717.9
67.5°	1250.7	1270.3	1282.1	1286.0	1282.1	1270.3	1250.7	1223.4	1188.4	1145.9	1095.8
65°	1756.4	1782.7	1798.4	1803.7	1798.4	1782.7	1756.4	1719.8	1672.9	1615.9	1548.9
62.5°	2324.9	2357.8	2377.5	2384.1	2377.5	2357.8	2324.9	2279.1	2220.5	2149.2	2065.6
60°	2914.3	2951.8	2974.4	2981.9	2974.4	2951.8	2914.3	2862.0	2795.1	2713.9	2618.5
57.5°	3471.0	3509.7	3532.9	3540.7	3532.9	3509.7	3471.0	3417.1	3348.2	3264.6	3166.5
55°	3967.1	4004.7	4027.3	4034.8	4027.3	4004.7	3967.1	3914.8	3847.9	3766.8	3671.8
52.5°	4492.2	4537.0	4564.0	4573.0	4564.0	4537.0	4492.2	4429.8	4350.2	4253.6	4140.7
50°	5218.7	5289.0	5331.3	5345.4	5331.3	5289.0	5218.7	5120.9	4996.2	4845.1	4668.6
47.5°	5915.5	5984.4	6025.9	6039.8	6025.9	5984.4	5915.5	5819.6	5697.5	5549.7	5377.3
45°	7012.8	7143.6	7222.4	7248.8	7222.4	7143.6	7012.8	6831.0	6599.6	6320.1	6013.7
42.5°	9937.9	10340.8	10583.9	10665.2	10583.9	10340.8	9937.9	9378.5	8667.4	7809.8	7094.3
40°	15987.4	16879.0	17417.5	17597.6	17417.5	16879.0	15987.4	14751.3	13181.9	11293.2	9894.2
37.5°	24231.6	25479.7	26234.3	26486.8	26234.3	25479.7	24231.6	22503.7	20314.3	17685.1	15291.6
35°	33597.5	35109.0	36023.9	36330.3	36023.9	35109.0	33597.5	31508.8	28868.1	25781.2	22483.7
32.5°	44634.7	46645.0	47863.8	48272.2	47863.8	46645.0	44634.7	41862.8	38368.0	34570.8	30613.9
30°	57531.0	60110.4	61677.2	62202.8	61677.2	60110.4	57531.0	53984.0	49527.3	44804.5	39598.7
27.5°	73543.6	77230.6	79475.7	80229.8	79475.7	77230.6	73543.6	68491.2	62177.1	56394.8	49802.6
25°	96759.0	103149.2	107052.9	108366.2	107052.9	103149.2	96759.0	88040.9	78282.5	70101.8	61143.1
22.5°	125770.0	133984.5	139024.1	140723.4	139024.1	133984.5	125770.0	114627.5	101833.5	87841.1	75021.5
20°	160706.3	172677.2	180063.9	182562.4	180063.9	172677.2	160706.3	144593.6	128447.1	110770.8	93319.8
17.5°	203255.9	219992.1	230404.1	233941.8	230404.1	219992.1	203255.9	181261.8	159275.1	135611.9	114149.4
15°	249235.3	267926.5	279695.0	283720.9	279695.0	267926.5	249235.3	224408.7	194209.4	164310.9	135611.9
12.5°	291172.9	308715.0	319340.1	322833.8	319340.1	308715.0	291172.9	264647.2	231743.4	194209.4	159275.1
10°	323162.7	340752.4	351152.6	354752.3	351152.6	340752.4	323162.7	298413.9	264647.2	224408.7	181261.8
7.5°	347765.0	366142.4	377797.2	381621.8	377797.2	366142.4	347765.0	323162.7	291172.9	249235.3	203255.9
5°	366142.4	385730.6	397476.6	401487.9	397476.6	385730.6	366142.4	340752.4	308715.0	267926.5	219992.1
2.5°	377797.2	397476.6	408867.0	412587.6	408867.0	397476.6	377797.2	351152.6	319340.1	279695.0	230404.1
0°	381621.8	401487.9	412587.6	416804.1	412587.6	401487.9	381621.8	354752.3	322833.8	283720.9	233941.8
-2.5°	377797.2	397476.6	408867.0	412587.6	408867.0	397476.6	377797.2	351152.6	319340.1	279695.0	230404.1
-5°	366142.4	385730.6	397476.6	401487.9	397476.6	385730.6	366142.4	340752.4	308715.0	267926.5	219992.1
-7.5°	347765.0	366142.4	377797.2	381621.8	377797.2	366142.4	347765.0	323162.7	291172.9	249235.3	203255.9
-10°	323162.7	340752.4	351152.6	354752.3	351152.6	340752.4	323162.7	298413.9	264647.2	224408.7	181261.8
-12.5°	291172.9	308715.0	319340.1	322833.8	319340.1	308715.0	291172.9	264647.2	231743.4	194209.4	159275.1
-15°	249235.3	267926.5	279695.0	283720.9	279695.0	267926.5	249235.3	224408.7	194209.4	164310.9	135611.9
-17.5°	203255.9	219992.1	230404.1	233941.8	230404.1	219992.1	203255.9	181261.8	159275.1	135611.9	114149.4
-20°	160706.3	172677.2	180063.9	182562.4	180063.9	172677.2	160706.3	144593.6	128447.1	110770.8	93319.8



REPORT NUMBER: P699994 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-4S-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	125770.0	133984.5	139024.1	140723.4	139024.1	133984.5	125770.0	114627.5	101833.5	87841.1	75021.5
-25°	96759.0	103149.2	107052.9	108366.2	107052.9	103149.2	96759.0	88040.9	78282.5	70101.8	61143.1
-27.5°	73543.6	77230.6	79475.7	80229.8	79475.7	77230.6	73543.6	68491.2	62177.1	56394.8	49802.6
-30°	57531.0	60110.4	61677.2	62202.8	61677.2	60110.4	57531.0	53984.0	49527.3	44804.5	39598.7
-32.5°	44634.7	46645.0	47863.8	48272.2	47863.8	46645.0	44634.7	41862.8	38368.0	34570.8	30613.9
-35°	33597.5	35109.0	36023.9	36330.3	36023.9	35109.0	33597.5	31508.8	28868.1	25781.2	22483.7
-37.5°	24231.6	25479.7	26234.3	26486.8	26234.3	25479.7	24231.6	22503.7	20314.3	17685.1	15291.6
-40°	15987.4	16879.0	17417.5	17597.6	17417.5	16879.0	15987.4	14751.3	13181.9	11293.2	9894.2
-42.5°	9937.9	10340.8	10583.9	10665.2	10583.9	10340.8	9937.9	9378.5	8667.4	7809.8	7094.3
-45°	7012.8	7143.6	7222.4	7248.8	7222.4	7143.6	7012.8	6831.0	6599.6	6320.1	6013.7
-47.5°	5915.5	5984.4	6025.9	6039.8	6025.9	5984.4	5915.5	5819.6	5697.5	5549.7	5377.3
-50°	5218.7	5289.0	5331.3	5345.4	5331.3	5289.0	5218.7	5120.9	4996.2	4845.1	4668.6
-52.5°	4492.2	4537.0	4564.0	4573.0	4564.0	4537.0	4492.2	4429.8	4350.2	4253.6	4140.7
-55°	3967.1	4004.7	4027.3	4034.8	4027.3	4004.7	3967.1	3914.8	3847.9	3766.8	3671.8
-57.5°	3471.0	3509.7	3532.9	3540.7	3532.9	3509.7	3471.0	3417.1	3348.2	3264.6	3166.5
-60°	2914.3	2951.8	2974.4	2981.9	2974.4	2951.8	2914.3	2862.0	2795.1	2713.9	2618.5
-62.5°	2324.9	2357.8	2377.5	2384.1	2377.5	2357.8	2324.9	2279.1	2220.5	2149.2	2065.6
-65°	1756.4	1782.7	1798.4	1803.7	1798.4	1782.7	1756.4	1719.8	1672.9	1615.9	1548.9
-67.5°	1250.7	1270.3	1282.1	1286.0	1282.1	1270.3	1250.7	1223.4	1188.4	1145.9	1095.8
-70°	826.7	840.5	848.7	851.5	848.7	840.5	826.7	807.5	783.0	753.0	717.9
-72.5°	490.3	498.1	502.7	504.3	502.7	498.1	490.3	479.5	465.7	448.8	428.9
-75°	270.7	275.0	277.5	278.4	277.5	275.0	270.7	264.7	257.0	247.7	236.7
-77.5°	128.1	130.0	131.1	131.5	131.1	130.0	128.1	125.5	122.1	118.0	113.2
-80°	52.6	53.0	53.3	53.4	53.3	53.0	52.6	52.0	51.1	50.2	49.0
-82.5°	29.3	29.6	29.7	29.8	29.7	29.6	29.3	29.0	28.5	27.9	27.2
-85°	11.2	11.2	11.3	11.3	11.3	11.2	11.2	11.1	10.9	10.7	10.5
-87.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	3.0
-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: P699994 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	2.9	2.9	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.2
85°	10.3	10.0	9.8	9.4	9.1	8.7	8.3	7.9	7.5	7.0	6.5
82.5°	26.4	25.6	24.6	23.5	22.3	21.1	19.7	18.3	16.8	15.2	13.5
80°	47.7	46.1	44.5	42.6	40.6	38.5	36.2	33.8	31.2	28.7	26.5
77.5°	107.6	101.3	94.4	86.8	78.5	69.6	60.0	52.3	49.1	45.7	42.1
75°	224.1	209.9	194.2	176.9	158.1	137.9	123.4	111.2	98.2	84.7	70.4
72.5°	406.1	380.5	352.0	320.8	287.0	260.3	234.9	208.0	179.6	149.7	124.5
70°	677.5	632.1	581.8	526.6	479.8	437.9	393.2	345.6	295.5	255.2	219.4
67.5°	1038.5	974.0	902.5	829.7	761.9	688.9	611.1	528.5	463.3	403.8	341.6
65°	1472.2	1385.9	1290.4	1201.9	1106.8	1004.7	895.7	794.5	697.3	595.3	494.2
62.5°	1969.8	1862.2	1749.7	1633.5	1507.8	1372.8	1238.2	1110.4	975.8	838.1	720.5
60°	2509.5	2387.1	2255.5	2112.0	1956.7	1791.6	1633.5	1466.3	1290.4	1135.1	974.0
57.5°	3054.4	2925.0	2776.5	2614.4	2439.2	2255.5	2061.9	1857.3	1659.8	1459.3	1256.3
55°	3563.4	3428.9	3277.2	3112.0	2930.3	2726.2	2509.5	2283.8	2050.9	1807.6	1581.6
52.5°	4013.7	3881.3	3735.5	3576.7	3388.0	3181.3	2960.8	2713.9	2455.1	2191.0	1919.0
50°	4499.5	4342.9	4170.7	3987.6	3802.7	3605.6	3378.0	3129.6	2862.0	2572.7	2275.9
47.5°	5162.7	4919.3	4651.9	4425.9	4208.9	3982.5	3758.4	3520.7	3242.7	2951.8	2631.9
45°	5801.2	5564.7	5300.8	4988.5	4653.7	4381.4	4120.1	3861.7	3599.5	3299.7	2981.9
42.5°	6694.2	6249.7	5881.0	5579.2	5246.6	4866.1	4498.2	4206.5	3913.7	3625.2	3299.7
40°	8672.5	7318.1	6750.3	6186.7	5778.9	5413.8	4995.2	4557.2	4235.4	3913.7	3599.5
37.5°	12614.0	10166.9	8579.6	7116.1	6474.1	5900.4	5493.3	5038.5	4557.2	4206.5	3861.7
35°	18776.5	15331.3	11875.9	9437.8	7503.9	6619.5	5941.2	5493.3	4995.2	4498.2	4120.1
32.5°	26211.1	21817.0	17184.9	13232.5	9872.3	7715.5	6619.5	5900.4	5413.8	4866.1	4381.4
30°	34238.2	29006.6	23678.2	18273.9	13688.8	9872.3	7503.9	6474.1	5778.9	5246.6	4653.7
27.5°	43312.9	36492.2	30442.4	24304.9	18273.9	13232.5	9437.8	7116.1	6186.7	5579.2	4988.5
25°	53240.8	45206.0	37403.0	30442.4	23678.2	17184.9	11875.9	8579.6	6750.3	5881.0	5300.8
22.5°	63975.5	54403.3	45206.0	36492.2	29006.6	21817.0	15331.3	10166.9	7318.1	6249.7	5564.7
20°	76690.1	63975.5	53240.8	43312.9	34238.2	26211.1	18776.5	12614.0	8672.5	6694.2	5801.2
17.5°	93319.8	75021.5	61143.1	49802.6	39598.7	30613.9	22483.7	15291.6	9894.2	7094.3	6013.7
15°	110770.8	87841.1	70101.8	56394.8	44804.5	34570.8	25781.2	17685.1	11293.2	7809.8	6320.1
12.5°	128447.1	101833.5	78282.5	62177.1	49527.3	38368.0	28868.1	20314.3	13181.9	8667.4	6599.6
10°	144593.6	114627.5	88040.9	68491.2	53984.0	41862.8	31508.8	22503.7	14751.3	9378.5	6831.0
7.5°	160706.3	125770.0	96759.0	73543.6	57531.0	44634.7	33597.5	24231.6	15987.4	9937.9	7012.8
5°	172677.2	133984.5	103149.2	77230.6	60110.4	46645.0	35109.0	25479.7	16879.0	10340.8	7143.6
2.5°	180063.9	139024.1	107052.9	79475.7	61677.2	47863.8	36023.9	26234.3	17417.5	10583.9	7222.4
0°	182562.4	140723.4	108366.2	80229.8	62202.8	48272.2	36330.3	26486.8	17597.6	10665.2	7248.8
-2.5°	180063.9	139024.1	107052.9	79475.7	61677.2	47863.8	36023.9	26234.3	17417.5	10583.9	7222.4
-5°	172677.2	133984.5	103149.2	77230.6	60110.4	46645.0	35109.0	25479.7	16879.0	10340.8	7143.6
-7.5°	160706.3	125770.0	96759.0	73543.6	57531.0	44634.7	33597.5	24231.6	15987.4	9937.9	7012.8
-10°	144593.6	114627.5	88040.9	68491.2	53984.0	41862.8	31508.8	22503.7	14751.3	9378.5	6831.0
-12.5°	128447.1	101833.5	78282.5	62177.1	49527.3	38368.0	28868.1	20314.3	13181.9	8667.4	6599.6
-15°	110770.8	87841.1	70101.8	56394.8	44804.5	34570.8	25781.2	17685.1	11293.2	7809.8	6320.1
-17.5°	93319.8	75021.5	61143.1	49802.6	39598.7	30613.9	22483.7	15291.6	9894.2	7094.3	6013.7
-20°	76690.1	63975.5	53240.8	43312.9	34238.2	26211.1	18776.5	12614.0	8672.5	6694.2	5801.2



REPORT NUMBER: P699994 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-4S-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	63975.5	54403.3	45206.0	36492.2	29006.6	21817.0	15331.3	10166.9	7318.1	6249.7	5564.7
-25°	53240.8	45206.0	37403.0	30442.4	23678.2	17184.9	11875.9	8579.6	6750.3	5881.0	5300.8
-27.5°	43312.9	36492.2	30442.4	24304.9	18273.9	13232.5	9437.8	7116.1	6186.7	5579.2	4988.5
-30°	34238.2	29006.6	23678.2	18273.9	13688.8	9872.3	7503.9	6474.1	5778.9	5246.6	4653.7
-32.5°	26211.1	21817.0	17184.9	13232.5	9872.3	7715.5	6619.5	5900.4	5413.8	4866.1	4381.4
-35°	18776.5	15331.3	11875.9	9437.8	7503.9	6619.5	5941.2	5493.3	4995.2	4498.2	4120.1
-37.5°	12614.0	10166.9	8579.6	7116.1	6474.1	5900.4	5493.3	5038.5	4557.2	4206.5	3861.7
-40°	8672.5	7318.1	6750.3	6186.7	5778.9	5413.8	4995.2	4557.2	4235.4	3913.7	3599.5
-42.5°	6694.2	6249.7	5881.0	5579.2	5246.6	4866.1	4498.2	4206.5	3913.7	3625.2	3299.7
-45°	5801.2	5564.7	5300.8	4988.5	4653.7	4381.4	4120.1	3861.7	3599.5	3299.7	2981.9
-47.5°	5162.7	4919.3	4651.9	4425.9	4208.9	3982.5	3758.4	3520.7	3242.7	2951.8	2631.9
-50°	4499.5	4342.9	4170.7	3987.6	3802.7	3605.6	3378.0	3129.6	2862.0	2572.7	2275.9
-52.5°	4013.7	3881.3	3735.5	3576.7	3388.0	3181.3	2960.8	2713.9	2455.1	2191.0	1919.0
-55°	3563.4	3428.9	3277.2	3112.0	2930.3	2726.2	2509.5	2283.8	2050.9	1807.6	1581.6
-57.5°	3054.4	2925.0	2776.5	2614.4	2439.2	2255.5	2061.9	1857.3	1659.8	1459.3	1256.3
-60°	2509.5	2387.1	2255.5	2112.0	1956.7	1791.6	1633.5	1466.3	1290.4	1135.1	974.0
-62.5°	1969.8	1862.2	1749.7	1633.5	1507.8	1372.8	1238.2	1110.4	975.8	838.1	720.5
-65°	1472.2	1385.9	1290.4	1201.9	1106.8	1004.7	895.7	794.5	697.3	595.3	494.2
-67.5°	1038.5	974.0	902.5	829.7	761.9	688.9	611.1	528.5	463.3	403.8	341.6
-70°	677.5	632.1	581.8	526.6	479.8	437.9	393.2	345.6	295.5	255.2	219.4
-72.5°	406.1	380.5	352.0	320.8	287.0	260.3	234.9	208.0	179.6	149.7	124.5
-75°	224.1	209.9	194.2	176.9	158.1	137.9	123.4	111.2	98.2	84.7	70.4
-77.5°	107.6	101.3	94.4	86.8	78.5	69.6	60.0	52.3	49.1	45.7	42.1
-80°	47.7	46.1	44.5	42.6	40.6	38.5	36.2	33.8	31.2	28.7	26.5
-82.5°	26.4	25.6	24.6	23.5	22.3	21.1	19.7	18.3	16.8	15.2	13.5
-85°	10.3	10.0	9.8	9.4	9.1	8.7	8.3	7.9	7.5	7.0	6.5
-87.5°	2.9	2.9	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P699994 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-4S-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	2.0	1.9	1.8	1.7	1.5	1.4	1.3	1.2	1.1	0.9
85°	6.0	5.4	4.9	4.3	3.7	3.1	2.9	2.6	2.4	2.1	1.9
82.5°	11.7	10.7	9.8	9.0	8.1	7.2	6.2	5.3	4.3	3.3	2.8
80°	24.2	21.7	19.2	16.6	13.9	11.2	10.0	8.7	7.4	6.1	4.7
77.5°	38.4	34.5	30.5	27.1	23.7	20.3	16.7	13.1	10.5	8.8	7.1
75°	55.6	49.4	44.6	39.6	34.5	29.3	25.1	20.8	16.4	11.9	9.5
72.5°	107.2	89.2	70.5	52.8	46.8	40.6	34.3	28.3	23.2	18.0	12.7
70°	182.0	143.3	116.4	94.4	71.8	52.0	44.8	37.5	30.0	24.0	18.0
67.5°	277.4	233.7	188.6	142.1	111.7	85.6	59.0	46.9	38.5	30.0	23.2
65°	422.0	347.3	273.0	221.3	168.2	122.1	92.5	62.4	46.9	37.5	28.3
62.5°	598.3	483.1	398.2	310.7	241.1	181.4	125.6	92.5	59.0	44.8	34.3
60°	815.8	677.5	535.0	428.9	331.2	247.7	181.4	122.1	85.6	52.0	40.6
57.5°	1074.7	887.0	725.4	566.8	439.2	331.2	241.1	168.2	111.7	71.8	46.8
55°	1348.0	1135.6	927.4	741.4	566.8	428.9	310.7	221.3	142.1	94.4	52.8
52.5°	1655.6	1396.9	1156.0	927.4	725.4	535.0	398.2	273.0	188.6	116.4	70.5
50°	1975.1	1680.4	1396.9	1135.6	887.0	677.5	483.1	347.3	233.7	143.3	89.2
47.5°	2304.3	1975.1	1655.6	1348.0	1074.7	815.8	598.3	422.0	277.4	182.0	107.2
45°	2631.9	2275.9	1919.0	1581.6	1256.3	974.0	720.5	494.2	341.6	219.4	124.5
42.5°	2951.8	2572.7	2191.0	1807.6	1459.3	1135.1	838.1	595.3	403.8	255.2	149.7
40°	3242.7	2862.0	2455.1	2050.9	1659.8	1290.4	975.8	697.3	463.3	295.5	179.6
37.5°	3520.7	3129.6	2713.9	2283.8	1857.3	1466.3	1110.4	794.5	528.5	345.6	208.0
35°	3758.4	3378.0	2960.8	2509.5	2061.9	1633.5	1238.2	895.7	611.1	393.2	234.9
32.5°	3982.5	3605.6	3181.3	2726.2	2255.5	1791.6	1372.8	1004.7	688.9	437.9	260.3
30°	4208.9	3802.7	3388.0	2930.3	2439.2	1956.7	1507.8	1106.8	761.9	479.8	287.0
27.5°	4425.9	3987.6	3576.7	3112.0	2614.4	2112.0	1633.5	1201.9	829.7	526.6	320.8
25°	4651.9	4170.7	3735.5	3277.2	2776.5	2255.5	1749.7	1290.4	902.5	581.8	352.0
22.5°	4919.3	4342.9	3881.3	3428.9	2925.0	2387.1	1862.2	1385.9	974.0	632.1	380.5
20°	5162.7	4499.5	4013.7	3563.4	3054.4	2509.5	1969.8	1472.2	1038.5	677.5	406.1
17.5°	5377.3	4668.6	4140.7	3671.8	3166.5	2618.5	2065.6	1548.9	1095.8	717.9	428.9
15°	5549.7	4845.1	4253.6	3766.8	3264.6	2713.9	2149.2	1615.9	1145.9	753.0	448.8
12.5°	5697.5	4996.2	4350.2	3847.9	3348.2	2795.1	2220.5	1672.9	1188.4	783.0	465.7
10°	5819.6	5120.9	4429.8	3914.8	3417.1	2862.0	2279.1	1719.8	1223.4	807.5	479.5
7.5°	5915.5	5218.7	4492.2	3967.1	3471.0	2914.3	2324.9	1756.4	1250.7	826.7	490.3
5°	5984.4	5289.0	4537.0	4004.7	3509.7	2951.8	2357.8	1782.7	1270.3	840.5	498.1
2.5°	6025.9	5331.3	4564.0	4027.3	3532.9	2974.4	2377.5	1798.4	1282.1	848.7	502.7
0°	6039.8	5345.4	4573.0	4034.8	3540.7	2981.9	2384.1	1803.7	1286.0	851.5	504.3
-2.5°	6025.9	5331.3	4564.0	4027.3	3532.9	2974.4	2377.5	1798.4	1282.1	848.7	502.7
-5°	5984.4	5289.0	4537.0	4004.7	3509.7	2951.8	2357.8	1782.7	1270.3	840.5	498.1
-7.5°	5915.5	5218.7	4492.2	3967.1	3471.0	2914.3	2324.9	1756.4	1250.7	826.7	490.3
-10°	5819.6	5120.9	4429.8	3914.8	3417.1	2862.0	2279.1	1719.8	1223.4	807.5	479.5
-12.5°	5697.5	4996.2	4350.2	3847.9	3348.2	2795.1	2220.5	1672.9	1188.4	783.0	465.7
-15°	5549.7	4845.1	4253.6	3766.8	3264.6	2713.9	2149.2	1615.9	1145.9	753.0	448.8
-17.5°	5377.3	4668.6	4140.7	3671.8	3166.5	2618.5	2065.6	1548.9	1095.8	717.9	428.9
-20°	5162.7	4499.5	4013.7	3563.4	3054.4	2509.5	1969.8	1472.2	1038.5	677.5	406.1



REPORT NUMBER: P699994 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-4S-S

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4919.3	4342.9	3881.3	3428.9	2925.0	2387.1	1862.2	1385.9	974.0	632.1	380.5
-25°	4651.9	4170.7	3735.5	3277.2	2776.5	2255.5	1749.7	1290.4	902.5	581.8	352.0
-27.5°	4425.9	3987.6	3576.7	3112.0	2614.4	2112.0	1633.5	1201.9	829.7	526.6	320.8
-30°	4208.9	3802.7	3388.0	2930.3	2439.2	1956.7	1507.8	1106.8	761.9	479.8	287.0
-32.5°	3982.5	3605.6	3181.3	2726.2	2255.5	1791.6	1372.8	1004.7	688.9	437.9	260.3
-35°	3758.4	3378.0	2960.8	2509.5	2061.9	1633.5	1238.2	895.7	611.1	393.2	234.9
-37.5°	3520.7	3129.6	2713.9	2283.8	1857.3	1466.3	1110.4	794.5	528.5	345.6	208.0
-40°	3242.7	2862.0	2455.1	2050.9	1659.8	1290.4	975.8	697.3	463.3	295.5	179.6
-42.5°	2951.8	2572.7	2191.0	1807.6	1459.3	1135.1	838.1	595.3	403.8	255.2	149.7
-45°	2631.9	2275.9	1919.0	1581.6	1256.3	974.0	720.5	494.2	341.6	219.4	124.5
-47.5°	2304.3	1975.1	1655.6	1348.0	1074.7	815.8	598.3	422.0	277.4	182.0	107.2
-50°	1975.1	1680.4	1396.9	1135.6	887.0	677.5	483.1	347.3	233.7	143.3	89.2
-52.5°	1655.6	1396.9	1156.0	927.4	725.4	535.0	398.2	273.0	188.6	116.4	70.5
-55°	1348.0	1135.6	927.4	741.4	566.8	428.9	310.7	221.3	142.1	94.4	52.8
-57.5°	1074.7	887.0	725.4	566.8	439.2	331.2	241.1	168.2	111.7	71.8	46.8
-60°	815.8	677.5	535.0	428.9	331.2	247.7	181.4	122.1	85.6	52.0	40.6
-62.5°	598.3	483.1	398.2	310.7	241.1	181.4	125.6	92.5	59.0	44.8	34.3
-65°	422.0	347.3	273.0	221.3	168.2	122.1	92.5	62.4	46.9	37.5	28.3
-67.5°	277.4	233.7	188.6	142.1	111.7	85.6	59.0	46.9	38.5	30.0	23.2
-70°	182.0	143.3	116.4	94.4	71.8	52.0	44.8	37.5	30.0	24.0	18.0
-72.5°	107.2	89.2	70.5	52.8	46.8	40.6	34.3	28.3	23.2	18.0	12.7
-75°	55.6	49.4	44.6	39.6	34.5	29.3	25.1	20.8	16.4	11.9	9.5
-77.5°	38.4	34.5	30.5	27.1	23.7	20.3	16.7	13.1	10.5	8.8	7.1
-80°	24.2	21.7	19.2	16.6	13.9	11.2	10.0	8.7	7.4	6.1	4.7
-82.5°	11.7	10.7	9.8	9.0	8.1	7.2	6.2	5.3	4.3	3.3	2.8
-85°	6.0	5.4	4.9	4.3	3.7	3.1	2.9	2.6	2.4	2.1	1.9
-87.5°	2.1	2.0	1.9	1.8	1.7	1.5	1.4	1.3	1.2	1.1	0.9
-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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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.7	0.5	0.4	0.3	0.1	0.0
85°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
82.5°	2.4	2.0	1.6	1.2	0.8	0.4	0.0
80°	3.3	2.7	2.1	1.6	1.1	0.5	0.0
77.5°	5.4	3.7	2.7	2.0	1.3	0.7	0.0
75°	7.5	5.4	3.3	2.4	1.6	0.8	0.0
72.5°	9.5	7.1	4.7	2.8	1.9	0.9	0.0
70°	11.9	8.8	6.1	3.3	2.1	1.1	0.0
67.5°	16.4	10.5	7.4	4.3	2.4	1.2	0.0
65°	20.8	13.1	8.7	5.3	2.6	1.3	0.0
62.5°	25.1	16.7	10.0	6.2	2.9	1.4	0.0
60°	29.3	20.3	11.2	7.2	3.1	1.5	0.0
57.5°	34.5	23.7	13.9	8.1	3.7	1.7	0.0
55°	39.6	27.1	16.6	9.0	4.3	1.8	0.0
52.5°	44.6	30.5	19.2	9.8	4.9	1.9	0.0
50°	49.4	34.5	21.7	10.7	5.4	2.0	0.0
47.5°	55.6	38.4	24.2	11.7	6.0	2.1	0.0
45°	70.4	42.1	26.5	13.5	6.5	2.2	0.0
42.5°	84.7	45.7	28.7	15.2	7.0	2.3	0.0
40°	98.2	49.1	31.2	16.8	7.5	2.4	0.0
37.5°	111.2	52.3	33.8	18.3	7.9	2.5	0.0
35°	123.4	60.0	36.2	19.7	8.3	2.5	0.0
32.5°	137.9	69.6	38.5	21.1	8.7	2.6	0.0
30°	158.1	78.5	40.6	22.3	9.1	2.7	0.0
27.5°	176.9	86.8	42.6	23.5	9.4	2.7	0.0
25°	194.2	94.4	44.5	24.6	9.8	2.8	0.0
22.5°	209.9	101.3	46.1	25.6	10.0	2.9	0.0
20°	224.1	107.6	47.7	26.4	10.3	2.9	0.0
17.5°	236.7	113.2	49.0	27.2	10.5	3.0	0.0
15°	247.7	118.0	50.2	27.9	10.7	3.0	0.0
12.5°	257.0	122.1	51.1	28.5	10.9	3.0	0.0
10°	264.7	125.5	52.0	29.0	11.1	3.1	0.0
7.5°	270.7	128.1	52.6	29.3	11.2	3.1	0.0
5°	275.0	130.0	53.0	29.6	11.2	3.1	0.0
2.5°	277.5	131.1	53.3	29.7	11.3	3.1	0.0
0°	278.4	131.5	53.4	29.8	11.3	3.1	0.0
-2.5°	277.5	131.1	53.3	29.7	11.3	3.1	0.0
-5°	275.0	130.0	53.0	29.6	11.2	3.1	0.0
-7.5°	270.7	128.1	52.6	29.3	11.2	3.1	0.0
-10°	264.7	125.5	52.0	29.0	11.1	3.1	0.0
-12.5°	257.0	122.1	51.1	28.5	10.9	3.0	0.0
-15°	247.7	118.0	50.2	27.9	10.7	3.0	0.0
-17.5°	236.7	113.2	49.0	27.2	10.5	3.0	0.0
-20°	224.1	107.6	47.7	26.4	10.3	2.9	0.0



REPORT NUMBER: P699994 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	209.9	101.3	46.1	25.6	10.0	2.9	0.0
-25°	194.2	94.4	44.5	24.6	9.8	2.8	0.0
-27.5°	176.9	86.8	42.6	23.5	9.4	2.7	0.0
-30°	158.1	78.5	40.6	22.3	9.1	2.7	0.0
-32.5°	137.9	69.6	38.5	21.1	8.7	2.6	0.0
-35°	123.4	60.0	36.2	19.7	8.3	2.5	0.0
-37.5°	111.2	52.3	33.8	18.3	7.9	2.5	0.0
-40°	98.2	49.1	31.2	16.8	7.5	2.4	0.0
-42.5°	84.7	45.7	28.7	15.2	7.0	2.3	0.0
-45°	70.4	42.1	26.5	13.5	6.5	2.2	0.0
-47.5°	55.6	38.4	24.2	11.7	6.0	2.1	0.0
-50°	49.4	34.5	21.7	10.7	5.4	2.0	0.0
-52.5°	44.6	30.5	19.2	9.8	4.9	1.9	0.0
-55°	39.6	27.1	16.6	9.0	4.3	1.8	0.0
-57.5°	34.5	23.7	13.9	8.1	3.7	1.7	0.0
-60°	29.3	20.3	11.2	7.2	3.1	1.5	0.0
-62.5°	25.1	16.7	10.0	6.2	2.9	1.4	0.0
-65°	20.8	13.1	8.7	5.3	2.6	1.3	0.0
-67.5°	16.4	10.5	7.4	4.3	2.4	1.2	0.0
-70°	11.9	8.8	6.1	3.3	2.1	1.1	0.0
-72.5°	9.5	7.1	4.7	2.8	1.9	0.9	0.0
-75°	7.5	5.4	3.3	2.4	1.6	0.8	0.0
-77.5°	5.4	3.7	2.7	2.0	1.3	0.7	0.0
-80°	3.3	2.7	2.1	1.6	1.1	0.5	0.0
-82.5°	2.4	2.0	1.6	1.2	0.8	0.4	0.0
-85°	1.6	1.3	1.1	0.8	0.5	0.3	0.0
-87.5°	0.8	0.7	0.5	0.4	0.3	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)