

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: P1306524 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200R-40-80-5S-A**

Issue Date: 2/3/2026

**Test Information**

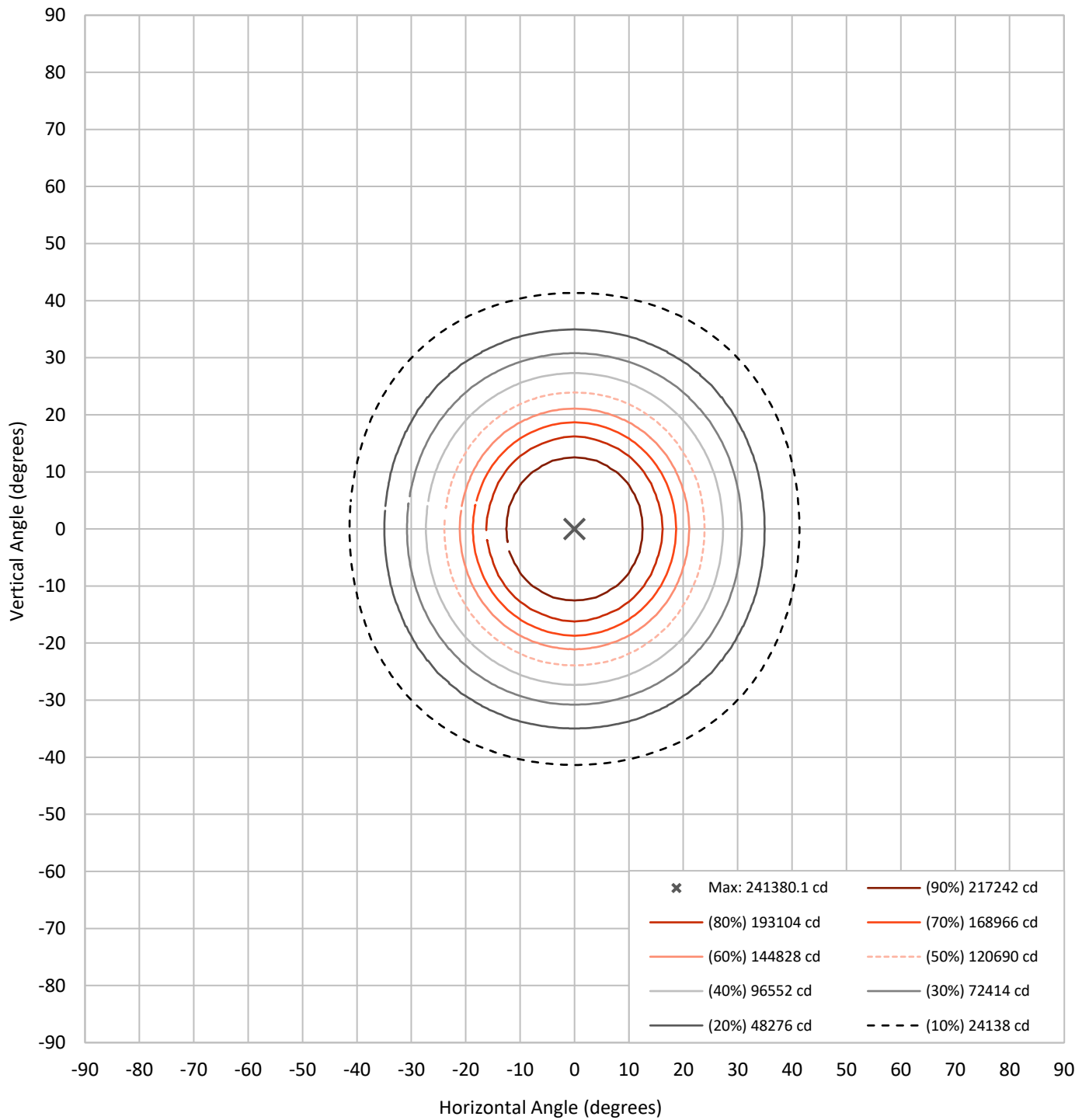
Test Method: LM-79-08  
Report Number: P1306524 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS16-1200R-40-80-5S-A  
Description: EPHEBUS LUMASPORT 16 LUMINAIRE  
(16) 4000K, 80 CRI LEDS AND 5S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	176140 lumens	Max Intensity:	241380.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	144.0 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	47.8°H x 47.8°V	Field Angle (10%):	82.7°H x 82.7°V
Beam Lumens:	98177.9 lumens	Field Lumens:	162054.8 lumens
Beam Efficiency:	55.7%	Field Efficiency:	92.0%
Input Watts (W):	1223		
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





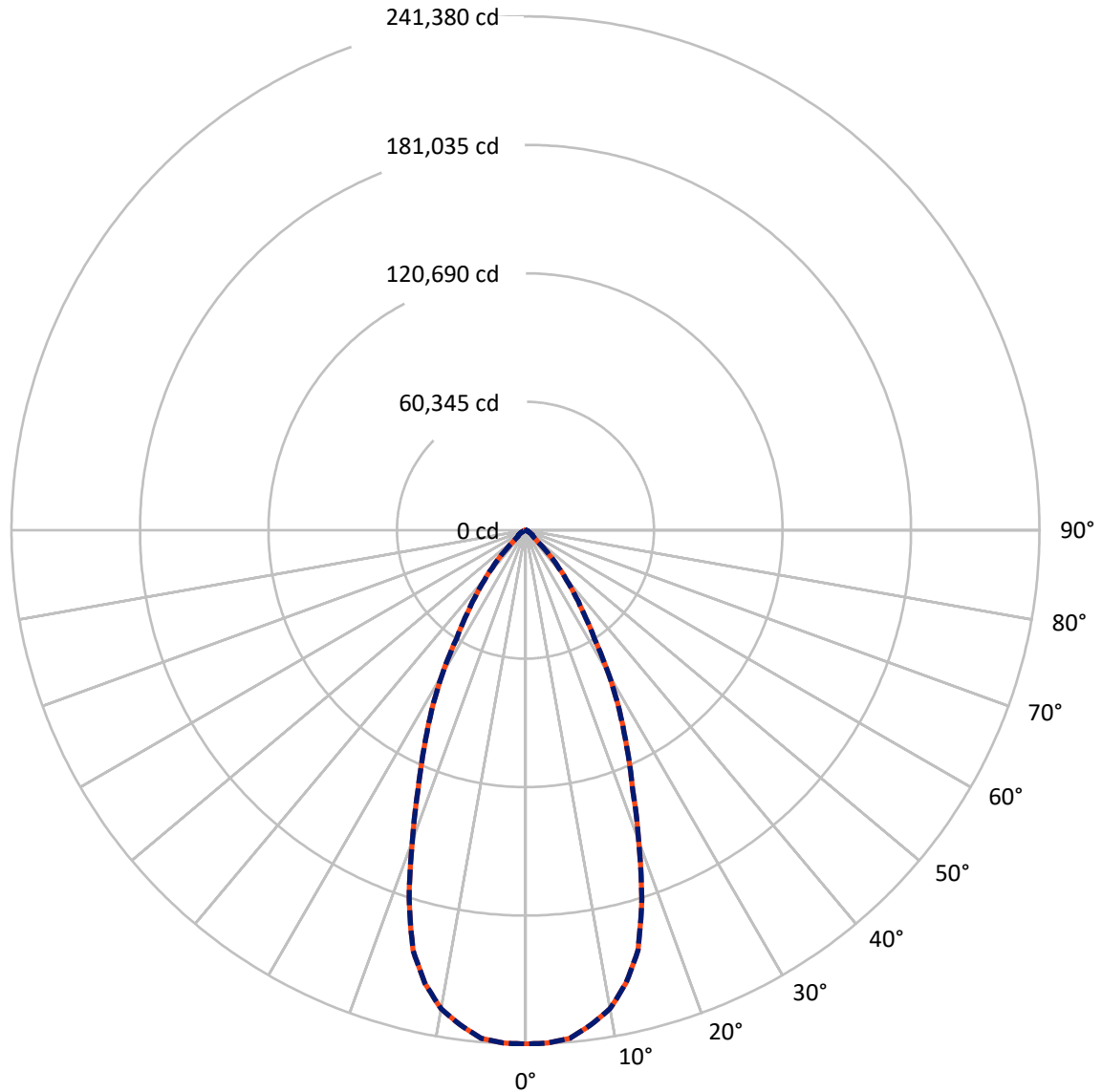
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### Lumen Table

90	0.2	1.6	6.2	14.3	18.4	14.3	6.2	1.6	0.2							
80	0.2	1.6	6.2	14.3	18.4	14.3	6.2	1.6	0.2							
70	0.8	1.0	3.6	9.5	18.8	29.7	39.5	45.1	45.1	39.5	29.7	18.8	9.5	3.6	1.0	0.8
60		2.7	10.9	28.0	53.1	80.7	102.4	114.5	114.5	102.4	80.7	53.1	28.0	10.9	2.7	
50	2.1	5.9	22.9	56.1	98.3	167.3	305.5	419.0	419.0	305.5	167.3	98.3	56.1	22.9	5.9	2.1
40		10.0	37.6	85.1	216.1	616.0	1101.6	1447.6	1447.6	1101.6	616.0	216.1	85.1	37.6	10.0	
30	4.1	14.3	51.7	131.9	559.9	1388.9	2496.2	3311.2	3311.2	2496.2	1388.9	559.9	131.9	51.7	14.3	4.1
20		17.9	61.6	228.2	941.3	2348.9	4259.7	5780.6	5780.6	4259.7	2348.9	941.3	228.2	61.6	17.9	
10	5.0	19.8	66.7	304.3	1201.0	3024.5	5612.3	7044.9	7044.9	5612.3	3024.5	1201.0	304.3	66.7	19.8	5.0
0		19.8	66.7	304.3	1201.0	3024.5	5612.3	7044.9	7044.9	5612.3	3024.5	1201.0	304.3	66.7	19.8	
-10	4.1	17.9	61.6	228.2	941.3	2348.9	4259.7	5780.6	5780.6	4259.7	2348.9	941.3	228.2	61.6	17.9	4.1
-20		14.3	51.7	131.9	559.9	1388.9	2496.2	3311.2	3311.2	2496.2	1388.9	559.9	131.9	51.7	14.3	
-30	2.1	10.0	37.6	85.1	216.1	616.0	1101.6	1447.6	1447.6	1101.6	616.0	216.1	85.1	37.6	10.0	2.1
-40		5.9	22.9	56.1	98.3	167.3	305.5	419.0	419.0	305.5	167.3	98.3	56.1	22.9	5.9	
-50	0.8	2.7	10.9	28.0	53.1	80.7	102.4	114.5	114.5	102.4	80.7	53.1	28.0	10.9	2.7	0.8
-60		1.0	3.6	9.5	18.8	29.7	39.5	45.1	45.1	39.5	29.7	18.8	9.5	3.6	1.0	
-70	0.2	1.6	6.2	14.3	18.4	14.3	6.2	1.6	0.2							
-80		0.2	1.6	6.2	14.3	18.4	14.3	6.2	1.6	0.2						
-90	0.2	1.6	6.2	14.3	18.4	14.3	6.2	1.6	0.2							

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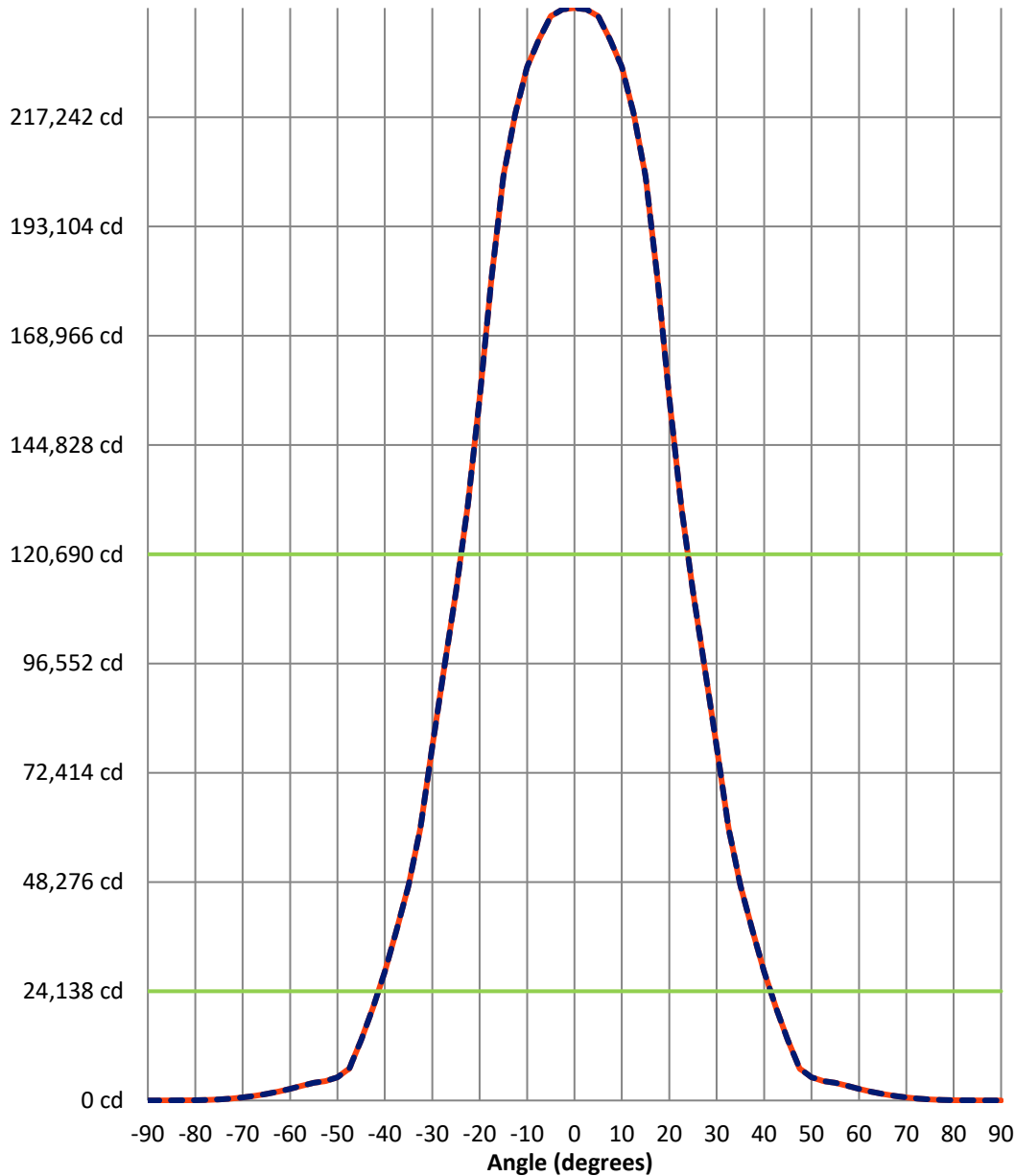
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 47.8°  
V Angle: 47.8°  
Lumens: 98177.9  
Efficiency: 55.7%

**Field:**  
H Angle: 82.7°  
V Angle: 82.7°  
Lumens: 162054.8  
Efficiency: 92.0%

**Spill:**  
Lumens: 14085.2  
Efficiency: 8.0%

— 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	0.3	0.6	0.8	1.1	1.4	1.7	1.9	2.2	2.4	2.7
85°	0.0	0.6	1.1	1.7	2.2	2.8	3.3	3.8	4.4	4.9	5.4
82.5°	0.0	0.8	1.7	2.5	3.3	4.1	5.0	5.8	6.7	8.5	10.3
80°	0.0	1.1	2.2	3.3	4.4	5.5	6.8	9.3	11.7	14.1	16.4
77.5°	0.0	1.4	2.8	4.1	5.5	7.5	10.6	13.6	16.7	19.6	22.9
75°	0.0	1.7	3.3	5.0	6.8	10.6	14.3	17.9	21.7	26.1	30.5
72.5°	0.0	1.9	3.8	5.8	9.3	13.6	17.9	22.5	27.7	32.9	38.0
70°	0.0	2.2	4.4	6.7	11.7	16.7	21.7	27.7	33.7	39.7	46.7
67.5°	0.0	2.4	4.9	8.5	14.1	19.6	26.1	32.9	39.7	47.6	55.5
65°	0.0	2.7	5.4	10.3	16.4	22.9	30.5	38.0	46.7	55.5	68.3
62.5°	0.0	3.0	5.9	12.0	18.7	26.5	34.8	43.8	53.5	65.7	90.6
60°	0.0	3.2	6.4	13.7	21.0	30.0	39.0	49.6	60.2	85.5	112.5
57.5°	0.0	3.4	7.5	15.3	23.7	33.5	43.9	55.4	75.2	104.8	147.5
55°	0.0	3.7	8.5	16.9	26.4	36.8	48.7	61.0	92.0	127.6	188.1
52.5°	0.0	3.9	9.6	18.5	29.0	40.1	53.3	74.3	108.3	163.1	227.6
50°	0.0	4.1	10.6	20.0	31.5	43.9	57.9	88.1	128.5	197.6	286.4
47.5°	0.0	4.3	11.5	21.5	33.9	47.5	63.2	101.5	158.1	230.9	345.7
45°	0.0	4.5	12.5	23.3	36.2	51.0	74.2	114.3	186.6	281.9	402.9
42.5°	0.0	4.7	13.4	24.9	38.4	54.4	84.8	133.4	214.0	331.3	480.9
40°	0.0	4.9	14.2	26.5	40.8	57.6	94.8	156.2	245.2	378.5	559.2
37.5°	0.0	5.1	15.0	28.0	43.2	60.6	104.4	177.9	285.1	429.6	634.0
35°	0.0	5.2	15.8	29.5	45.5	66.5	113.5	198.5	322.8	493.0	712.5
32.5°	0.0	5.4	16.5	30.8	47.6	73.6	124.4	217.8	358.3	552.8	798.3
30°	0.0	5.5	17.2	32.1	49.7	80.2	139.8	238.5	391.6	608.8	878.7
27.5°	0.0	5.7	17.8	33.2	51.5	86.3	154.2	265.4	428.1	661.0	953.5
25°	0.0	5.8	18.3	34.3	53.2	92.0	167.4	290.2	470.5	717.8	1023.3
22.5°	0.0	5.9	18.9	35.3	54.8	97.1	179.4	312.7	509.2	774.1	1102.0
20°	0.0	6.0	19.3	36.2	56.2	101.8	190.2	333.1	544.1	824.9	1173.1
17.5°	0.0	6.1	19.7	36.9	57.5	105.9	199.9	351.2	575.0	870.0	1236.4
15°	0.0	6.2	20.1	37.6	58.6	109.5	208.3	366.9	602.1	909.4	1291.6
12.5°	0.0	6.2	20.4	38.2	59.5	112.5	215.4	380.3	625.0	942.9	1338.6
10°	0.0	6.3	20.7	38.7	60.2	115.0	221.2	391.3	643.9	970.4	1377.2
7.5°	0.0	6.3	20.8	39.0	60.8	117.0	225.8	399.9	658.7	991.9	1407.4
5°	0.0	6.4	21.0	39.3	61.3	118.4	229.1	406.1	669.2	1007.3	1429.1
2.5°	0.0	6.4	21.1	39.4	61.5	119.2	231.0	409.8	675.6	1016.6	1442.1
0°	0.0	6.4	21.1	39.5	61.6	119.5	231.7	411.0	677.7	1019.7	1446.4
-2.5°	0.0	6.4	21.1	39.4	61.5	119.2	231.0	409.8	675.6	1016.6	1442.1
-5°	0.0	6.4	21.0	39.3	61.3	118.4	229.1	406.1	669.2	1007.3	1429.1
-7.5°	0.0	6.3	20.8	39.0	60.8	117.0	225.8	399.9	658.7	991.9	1407.4
-10°	0.0	6.3	20.7	38.7	60.2	115.0	221.2	391.3	643.9	970.4	1377.2
-12.5°	0.0	6.2	20.4	38.2	59.5	112.5	215.4	380.3	625.0	942.9	1338.6
-15°	0.0	6.2	20.1	37.6	58.6	109.5	208.3	366.9	602.1	909.4	1291.6
-17.5°	0.0	6.1	19.7	36.9	57.5	105.9	199.9	351.2	575.0	870.0	1236.4
-20°	0.0	6.0	19.3	36.2	56.2	101.8	190.2	333.1	544.1	824.9	1173.1



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 CATALOG NUMBER: EPH-LS16-1200R-40-80-5S-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	5.9	18.9	35.3	54.8	97.1	179.4	312.7	509.2	774.1	1102.0
-25°	0.0	5.8	18.3	34.3	53.2	92.0	167.4	290.2	470.5	717.8	1023.3
-27.5°	0.0	5.7	17.8	33.2	51.5	86.3	154.2	265.4	428.1	661.0	953.5
-30°	0.0	5.5	17.2	32.1	49.7	80.2	139.8	238.5	391.6	608.8	878.7
-32.5°	0.0	5.4	16.5	30.8	47.6	73.6	124.4	217.8	358.3	552.8	798.3
-35°	0.0	5.2	15.8	29.5	45.5	66.5	113.5	198.5	322.8	493.0	712.5
-37.5°	0.0	5.1	15.0	28.0	43.2	60.6	104.4	177.9	285.1	429.6	634.0
-40°	0.0	4.9	14.2	26.5	40.8	57.6	94.8	156.2	245.2	378.5	559.2
-42.5°	0.0	4.7	13.4	24.9	38.4	54.4	84.8	133.4	214.0	331.3	480.9
-45°	0.0	4.5	12.5	23.3	36.2	51.0	74.2	114.3	186.6	281.9	402.9
-47.5°	0.0	4.3	11.5	21.5	33.9	47.5	63.2	101.5	158.1	230.9	345.7
-50°	0.0	4.1	10.6	20.0	31.5	43.9	57.9	88.1	128.5	197.6	286.4
-52.5°	0.0	3.9	9.6	18.5	29.0	40.1	53.3	74.3	108.3	163.1	227.6
-55°	0.0	3.7	8.5	16.9	26.4	36.8	48.7	61.0	92.0	127.6	188.1
-57.5°	0.0	3.4	7.5	15.3	23.7	33.5	43.9	55.4	75.2	104.8	147.5
-60°	0.0	3.2	6.4	13.7	21.0	30.0	39.0	49.6	60.2	85.5	112.5
-62.5°	0.0	3.0	5.9	12.0	18.7	26.5	34.8	43.8	53.5	65.7	90.6
-65°	0.0	2.7	5.4	10.3	16.4	22.9	30.5	38.0	46.7	55.5	68.3
-67.5°	0.0	2.4	4.9	8.5	14.1	19.6	26.1	32.9	39.7	47.6	55.5
-70°	0.0	2.2	4.4	6.7	11.7	16.7	21.7	27.7	33.7	39.7	46.7
-72.5°	0.0	1.9	3.8	5.8	9.3	13.6	17.9	22.5	27.7	32.9	38.0
-75°	0.0	1.7	3.3	5.0	6.8	10.6	14.3	17.9	21.7	26.1	30.5
-77.5°	0.0	1.4	2.8	4.1	5.5	7.5	10.6	13.6	16.7	19.6	22.9
-80°	0.0	1.1	2.2	3.3	4.4	5.5	6.8	9.3	11.7	14.1	16.4
-82.5°	0.0	0.8	1.7	2.5	3.3	4.1	5.0	5.8	6.7	8.5	10.3
-85°	0.0	0.6	1.1	1.7	2.2	2.8	3.3	3.8	4.4	4.9	5.4
-87.5°	0.0	0.3	0.6	0.8	1.1	1.4	1.7	1.9	2.2	2.4	2.7
-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°	3.0	3.2	3.4	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.1
85°	5.9	6.4	7.5	8.5	9.6	10.6	11.5	12.5	13.4	14.2	15.0
82.5°	12.0	13.7	15.3	16.9	18.5	20.0	21.5	23.3	24.9	26.5	28.0
80°	18.7	21.0	23.7	26.4	29.0	31.5	33.9	36.2	38.4	40.8	43.2
77.5°	26.5	30.0	33.5	36.8	40.1	43.9	47.5	51.0	54.4	57.6	60.6
75°	34.8	39.0	43.9	48.7	53.3	57.9	63.2	74.2	84.8	94.8	104.4
72.5°	43.8	49.6	55.4	61.0	74.3	88.1	101.5	114.3	133.4	156.2	177.9
70°	53.5	60.2	75.2	92.0	108.3	128.5	158.1	186.6	214.0	245.2	285.1
67.5°	65.7	85.5	104.8	127.6	163.1	197.6	230.9	281.9	331.3	378.5	429.6
65°	90.6	112.5	147.5	188.1	227.6	286.4	345.7	402.9	480.9	559.2	634.0
62.5°	115.1	157.6	203.2	257.4	326.8	394.2	483.2	577.1	667.4	775.5	881.5
60°	157.6	208.3	273.6	351.2	434.6	544.1	650.2	774.1	900.9	1023.3	1168.3
57.5°	203.2	273.6	359.3	459.0	580.8	705.7	853.4	996.3	1162.6	1327.8	1493.5
55°	257.4	351.2	459.0	593.2	737.4	901.3	1070.8	1263.3	1449.8	1663.7	1868.5
52.5°	326.8	434.6	580.8	737.4	917.4	1111.1	1324.3	1547.8	1787.0	2029.5	2295.0
50°	394.2	544.1	705.7	901.3	1111.1	1344.8	1597.1	1861.6	2150.2	2447.0	2752.6
47.5°	483.2	650.2	853.4	1070.8	1324.3	1597.1	1886.6	2210.9	2539.1	2892.3	3235.9
45°	577.1	774.1	996.3	1263.3	1547.8	1861.6	2210.9	2570.0	2962.7	3337.9	3682.3
42.5°	667.4	900.9	1162.6	1449.8	1787.0	2150.2	2539.1	2962.7	3371.6	3750.8	4030.9
40°	775.5	1023.3	1327.8	1663.7	2029.5	2447.0	2892.3	3337.9	3750.8	4051.3	4278.3
37.5°	881.5	1168.3	1493.5	1868.5	2295.0	2752.6	3235.9	3682.3	4030.9	4278.3	4799.9
35°	982.1	1306.1	1673.4	2085.3	2548.4	3059.5	3546.6	3970.0	4236.8	4752.4	5550.1
32.5°	1091.3	1436.4	1843.7	2307.6	2816.5	3345.8	3841.1	4154.4	4610.9	5327.9	6689.3
30°	1202.5	1580.9	2013.3	2517.0	3071.8	3604.9	4032.6	4378.0	5028.0	6349.4	9336.9
27.5°	1306.1	1717.4	2192.9	2730.7	3307.9	3847.8	4185.7	4745.0	5790.6	7842.9	12673.7
25°	1401.9	1843.7	2359.2	2935.0	3516.5	4005.6	4376.0	5087.5	6635.0	10772.4	16156.0
22.5°	1497.8	1959.7	2511.6	3122.4	3708.2	4127.2	4669.2	5749.9	8170.2	13508.8	19487.0
20°	1592.4	2085.3	2659.6	3290.4	3882.1	4237.6	4936.1	6411.8	10480.9	16350.9	22773.8
17.5°	1676.6	2197.2	2798.2	3432.9	3984.5	4394.3	5225.7	7006.2	12560.4	18914.8	25853.0
15°	1750.2	2295.0	2919.3	3557.7	4064.2	4587.9	5708.1	8536.0	14540.6	21254.9	28596.1
12.5°	1812.8	2378.4	3022.7	3664.3	4132.3	4753.5	6121.5	9988.7	16340.2	23426.9	31334.7
10°	1864.4	2447.0	3107.9	3752.1	4188.5	4890.3	6463.3	11191.6	17832.6	25231.6	33615.4
7.5°	1904.7	2500.7	3174.5	3820.9	4232.5	4997.5	6731.5	12136.4	19006.4	26653.2	35415.2
5°	1933.5	2539.1	3222.3	3870.2	4264.1	5074.5	6924.3	12816.3	19851.9	27678.5	36715.3
2.5°	1950.9	2562.3	3251.0	3899.9	4283.1	5120.9	7040.5	13226.3	20362.1	28297.8	37501.3
0°	1956.7	2570.0	3260.6	3909.8	4289.5	5136.4	7079.3	13363.3	20532.7	28504.9	37764.3
-2.5°	1950.9	2562.3	3251.0	3899.9	4283.1	5120.9	7040.5	13226.3	20362.1	28297.8	37501.3
-5°	1933.5	2539.1	3222.3	3870.2	4264.1	5074.5	6924.3	12816.3	19851.9	27678.5	36715.3
-7.5°	1904.7	2500.7	3174.5	3820.9	4232.5	4997.5	6731.5	12136.4	19006.4	26653.2	35415.2
-10°	1864.4	2447.0	3107.9	3752.1	4188.5	4890.3	6463.3	11191.6	17832.6	25231.6	33615.4
-12.5°	1812.8	2378.4	3022.7	3664.3	4132.3	4753.5	6121.5	9988.7	16340.2	23426.9	31334.7
-15°	1750.2	2295.0	2919.3	3557.7	4064.2	4587.9	5708.1	8536.0	14540.6	21254.9	28596.1
-17.5°	1676.6	2197.2	2798.2	3432.9	3984.5	4394.3	5225.7	7006.2	12560.4	18914.8	25853.0
-20°	1592.4	2085.3	2659.6	3290.4	3882.1	4237.6	4936.1	6411.8	10480.9	16350.9	22773.8



REPORT NUMBER: P1306524 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-80-5S-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1497.8	1959.7	2511.6	3122.4	3708.2	4127.2	4669.2	5749.9	8170.2	13508.8	19487.0
-25°	1401.9	1843.7	2359.2	2935.0	3516.5	4005.6	4376.0	5087.5	6635.0	10772.4	16156.0
-27.5°	1306.1	1717.4	2192.9	2730.7	3307.9	3847.8	4185.7	4745.0	5790.6	7842.9	12673.7
-30°	1202.5	1580.9	2013.3	2517.0	3071.8	3604.9	4032.6	4378.0	5028.0	6349.4	9336.9
-32.5°	1091.3	1436.4	1843.7	2307.6	2816.5	3345.8	3841.1	4154.4	4610.9	5327.9	6689.3
-35°	982.1	1306.1	1673.4	2085.3	2548.4	3059.5	3546.6	3970.0	4236.8	4752.4	5550.1
-37.5°	881.5	1168.3	1493.5	1868.5	2295.0	2752.6	3235.9	3682.3	4030.9	4278.3	4799.9
-40°	775.5	1023.3	1327.8	1663.7	2029.5	2447.0	2892.3	3337.9	3750.8	4051.3	4278.3
-42.5°	667.4	900.9	1162.6	1449.8	1787.0	2150.2	2539.1	2962.7	3371.6	3750.8	4030.9
-45°	577.1	774.1	996.3	1263.3	1547.8	1861.6	2210.9	2570.0	2962.7	3337.9	3682.3
-47.5°	483.2	650.2	853.4	1070.8	1324.3	1597.1	1886.6	2210.9	2539.1	2892.3	3235.9
-50°	394.2	544.1	705.7	901.3	1111.1	1344.8	1597.1	1861.6	2150.2	2447.0	2752.6
-52.5°	326.8	434.6	580.8	737.4	917.4	1111.1	1324.3	1547.8	1787.0	2029.5	2295.0
-55°	257.4	351.2	459.0	593.2	737.4	901.3	1070.8	1263.3	1449.8	1663.7	1868.5
-57.5°	203.2	273.6	359.3	459.0	580.8	705.7	853.4	996.3	1162.6	1327.8	1493.5
-60°	157.6	208.3	273.6	351.2	434.6	544.1	650.2	774.1	900.9	1023.3	1168.3
-62.5°	115.1	157.6	203.2	257.4	326.8	394.2	483.2	577.1	667.4	775.5	881.5
-65°	90.6	112.5	147.5	188.1	227.6	286.4	345.7	402.9	480.9	559.2	634.0
-67.5°	65.7	85.5	104.8	127.6	163.1	197.6	230.9	281.9	331.3	378.5	429.6
-70°	53.5	60.2	75.2	92.0	108.3	128.5	158.1	186.6	214.0	245.2	285.1
-72.5°	43.8	49.6	55.4	61.0	74.3	88.1	101.5	114.3	133.4	156.2	177.9
-75°	34.8	39.0	43.9	48.7	53.3	57.9	63.2	74.2	84.8	94.8	104.4
-77.5°	26.5	30.0	33.5	36.8	40.1	43.9	47.5	51.0	54.4	57.6	60.6
-80°	18.7	21.0	23.7	26.4	29.0	31.5	33.9	36.2	38.4	40.8	43.2
-82.5°	12.0	13.7	15.3	16.9	18.5	20.0	21.5	23.3	24.9	26.5	28.0
-85°	5.9	6.4	7.5	8.5	9.6	10.6	11.5	12.5	13.4	14.2	15.0
-87.5°	3.0	3.2	3.4	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.1
-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: P1306524 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-80-5S-A

**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°	5.2	5.4	5.5	5.7	5.8	5.9	6.0	6.1	6.2	6.2	6.3
85°	15.8	16.5	17.2	17.8	18.3	18.9	19.3	19.7	20.1	20.4	20.7
82.5°	29.5	30.8	32.1	33.2	34.3	35.3	36.2	36.9	37.6	38.2	38.7
80°	45.5	47.6	49.7	51.5	53.2	54.8	56.2	57.5	58.6	59.5	60.2
77.5°	66.5	73.6	80.2	86.3	92.0	97.1	101.8	105.9	109.5	112.5	115.0
75°	113.5	124.4	139.8	154.2	167.4	179.4	190.2	199.9	208.3	215.4	221.2
72.5°	198.5	217.8	238.5	265.4	290.2	312.7	333.1	351.2	366.9	380.3	391.3
70°	322.8	358.3	391.6	428.1	470.5	509.2	544.1	575.0	602.1	625.0	643.9
67.5°	493.0	552.8	608.8	661.0	717.8	774.1	824.9	870.0	909.4	942.9	970.4
65°	712.5	798.3	878.7	953.5	1023.3	1102.0	1173.1	1236.4	1291.6	1338.6	1377.2
62.5°	982.1	1091.3	1202.5	1306.1	1401.9	1497.8	1592.4	1676.6	1750.2	1812.8	1864.4
60°	1306.1	1436.4	1580.9	1717.4	1843.7	1959.7	2085.3	2197.2	2295.0	2378.4	2447.0
57.5°	1673.4	1843.7	2013.3	2192.9	2359.2	2511.6	2659.6	2798.2	2919.3	3022.7	3107.9
55°	2085.3	2307.6	2517.0	2730.7	2935.0	3122.4	3290.4	3432.9	3557.7	3664.3	3752.1
52.5°	2548.4	2816.5	3071.8	3307.9	3516.5	3708.2	3882.1	3984.5	4064.2	4132.3	4188.5
50°	3059.5	3345.8	3604.9	3847.8	4005.6	4127.2	4237.6	4394.3	4587.9	4753.5	4890.3
47.5°	3546.6	3841.1	4032.6	4185.7	4376.0	4669.2	4936.1	5225.7	5708.1	6121.5	6463.3
45°	3970.0	4154.4	4378.0	4745.0	5087.5	5749.9	6411.8	7006.2	8536.0	9988.7	11191.6
42.5°	4236.8	4610.9	5028.0	5790.6	6635.0	8170.2	10480.9	12560.4	14540.6	16340.2	17832.6
40°	4752.4	5327.9	6349.4	7842.9	10772.4	13508.8	16350.9	18914.8	21254.9	23426.9	25231.6
37.5°	5550.1	6689.3	9336.9	12673.7	16156.0	19487.0	22773.8	25853.0	28596.1	31334.7	33615.4
35°	6803.5	10092.3	13898.6	17957.0	21924.9	25898.7	29732.9	33594.5	37029.3	40129.6	42752.5
32.5°	10092.3	14342.7	18868.8	23485.1	28030.3	32900.0	37477.1	41863.6	45793.8	49710.1	53429.6
30°	13898.6	18868.8	24009.8	29209.3	34838.7	40267.1	45463.5	51020.0	56560.5	61862.9	67586.6
27.5°	17957.0	23485.1	29209.3	35491.6	41693.2	47713.8	54972.9	62216.5	70682.7	78108.9	84176.3
25°	21924.9	28030.3	34838.7	41693.2	48683.1	56987.8	66632.1	76781.0	85721.8	93572.1	100156.4
22.5°	25898.7	32900.0	40267.1	47713.8	56987.8	68125.0	79843.0	90442.8	100035.7	108483.0	116128.0
20°	29732.9	37477.1	45463.5	54972.9	66632.1	79843.0	92044.0	103343.3	113848.3	124297.0	133744.2
17.5°	33594.5	41863.6	51020.0	62216.5	76781.0	90442.8	103343.3	115845.4	128532.1	142054.0	154498.6
15°	37029.3	45793.8	56560.5	70682.7	85721.8	100035.7	113848.3	128532.1	144904.2	161224.0	176753.7
12.5°	40129.6	49710.1	61862.9	78108.9	93572.1	108483.0	124297.0	142054.0	161224.0	180525.5	195518.6
10°	42752.5	53429.6	67586.6	84176.3	100156.4	116128.0	133744.2	154498.6	176753.7	195518.6	210375.3
7.5°	44827.1	56379.7	72141.9	89024.6	105419.5	122714.5	142864.0	165876.1	188560.6	207297.4	218061.4
5°	46328.4	58519.2	75454.6	92562.7	109277.3	127570.2	149639.6	174482.5	196999.1	213872.2	223935.1
2.5°	47237.2	59816.3	77466.9	94717.1	111634.0	130549.1	153820.5	179836.8	202312.2	217066.7	227230.1
0°	47541.5	60251.0	78141.9	95440.7	112426.9	131553.6	155234.7	181656.0	204129.8	217975.8	228309.2
-2.5°	47237.2	59816.3	77466.9	94717.1	111634.0	130549.1	153820.5	179836.8	202312.2	217066.7	227230.1
-5°	46328.4	58519.2	75454.6	92562.7	109277.3	127570.2	149639.6	174482.5	196999.1	213872.2	223935.1
-7.5°	44827.1	56379.7	72141.9	89024.6	105419.5	122714.5	142864.0	165876.1	188560.6	207297.4	218061.4
-10°	42752.5	53429.6	67586.6	84176.3	100156.4	116128.0	133744.2	154498.6	176753.7	195518.6	210375.3
-12.5°	40129.6	49710.1	61862.9	78108.9	93572.1	108483.0	124297.0	142054.0	161224.0	180525.5	195518.6
-15°	37029.3	45793.8	56560.5	70682.7	85721.8	100035.7	113848.3	128532.1	144904.2	161224.0	176753.7
-17.5°	33594.5	41863.6	51020.0	62216.5	76781.0	90442.8	103343.3	115845.4	128532.1	142054.0	154498.6
-20°	29732.9	37477.1	45463.5	54972.9	66632.1	79843.0	92044.0	103343.3	113848.3	124297.0	133744.2



REPORT NUMBER: P1306524 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-80-5S-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	25898.7	32900.0	40267.1	47713.8	56987.8	68125.0	79843.0	90442.8	100035.7	108483.0	116128.0
-25°	21924.9	28030.3	34838.7	41693.2	48683.1	56987.8	66632.1	76781.0	85721.8	93572.1	100156.4
-27.5°	17957.0	23485.1	29209.3	35491.6	41693.2	47713.8	54972.9	62216.5	70682.7	78108.9	84176.3
-30°	13898.6	18868.8	24009.8	29209.3	34838.7	40267.1	45463.5	51020.0	56560.5	61862.9	67586.6
-32.5°	10092.3	14342.7	18868.8	23485.1	28030.3	32900.0	37477.1	41863.6	45793.8	49710.1	53429.6
-35°	6803.5	10092.3	13898.6	17957.0	21924.9	25898.7	29732.9	33594.5	37029.3	40129.6	42752.5
-37.5°	5550.1	6689.3	9336.9	12673.7	16156.0	19487.0	22773.8	25853.0	28596.1	31334.7	33615.4
-40°	4752.4	5327.9	6349.4	7842.9	10772.4	13508.8	16350.9	18914.8	21254.9	23426.9	25231.6
-42.5°	4236.8	4610.9	5028.0	5790.6	6635.0	8170.2	10480.9	12560.4	14540.6	16340.2	17832.6
-45°	3970.0	4154.4	4378.0	4745.0	5087.5	5749.9	6411.8	7006.2	8536.0	9988.7	11191.6
-47.5°	3546.6	3841.1	4032.6	4185.7	4376.0	4669.2	4936.1	5225.7	5708.1	6121.5	6463.3
-50°	3059.5	3345.8	3604.9	3847.8	4005.6	4127.2	4237.6	4394.3	4587.9	4753.5	4890.3
-52.5°	2548.4	2816.5	3071.8	3307.9	3516.5	3708.2	3882.1	3984.5	4064.2	4132.3	4188.5
-55°	2085.3	2307.6	2517.0	2730.7	2935.0	3122.4	3290.4	3432.9	3557.7	3664.3	3752.1
-57.5°	1673.4	1843.7	2013.3	2192.9	2359.2	2511.6	2659.6	2798.2	2919.3	3022.7	3107.9
-60°	1306.1	1436.4	1580.9	1717.4	1843.7	1959.7	2085.3	2197.2	2295.0	2378.4	2447.0
-62.5°	982.1	1091.3	1202.5	1306.1	1401.9	1497.8	1592.4	1676.6	1750.2	1812.8	1864.4
-65°	712.5	798.3	878.7	953.5	1023.3	1102.0	1173.1	1236.4	1291.6	1338.6	1377.2
-67.5°	493.0	552.8	608.8	661.0	717.8	774.1	824.9	870.0	909.4	942.9	970.4
-70°	322.8	358.3	391.6	428.1	470.5	509.2	544.1	575.0	602.1	625.0	643.9
-72.5°	198.5	217.8	238.5	265.4	290.2	312.7	333.1	351.2	366.9	380.3	391.3
-75°	113.5	124.4	139.8	154.2	167.4	179.4	190.2	199.9	208.3	215.4	221.2
-77.5°	66.5	73.6	80.2	86.3	92.0	97.1	101.8	105.9	109.5	112.5	115.0
-80°	45.5	47.6	49.7	51.5	53.2	54.8	56.2	57.5	58.6	59.5	60.2
-82.5°	29.5	30.8	32.1	33.2	34.3	35.3	36.2	36.9	37.6	38.2	38.7
-85°	15.8	16.5	17.2	17.8	18.3	18.9	19.3	19.7	20.1	20.4	20.7
-87.5°	5.2	5.4	5.5	5.7	5.8	5.9	6.0	6.1	6.2	6.2	6.3
-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: P1306524 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-80-5S-A

**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°	6.3	6.4	6.4	6.4	6.4	6.4	6.3	6.3	6.2	6.2	6.1
85°	20.8	21.0	21.1	21.1	21.1	21.0	20.8	20.7	20.4	20.1	19.7
82.5°	39.0	39.3	39.4	39.5	39.4	39.3	39.0	38.7	38.2	37.6	36.9
80°	60.8	61.3	61.5	61.6	61.5	61.3	60.8	60.2	59.5	58.6	57.5
77.5°	117.0	118.4	119.2	119.5	119.2	118.4	117.0	115.0	112.5	109.5	105.9
75°	225.8	229.1	231.0	231.7	231.0	229.1	225.8	221.2	215.4	208.3	199.9
72.5°	399.9	406.1	409.8	411.0	409.8	406.1	399.9	391.3	380.3	366.9	351.2
70°	658.7	669.2	675.6	677.7	675.6	669.2	658.7	643.9	625.0	602.1	575.0
67.5°	991.9	1007.3	1016.6	1019.7	1016.6	1007.3	991.9	970.4	942.9	909.4	870.0
65°	1407.4	1429.1	1442.1	1446.4	1442.1	1429.1	1407.4	1377.2	1338.6	1291.6	1236.4
62.5°	1904.7	1933.5	1950.9	1956.7	1950.9	1933.5	1904.7	1864.4	1812.8	1750.2	1676.6
60°	2500.7	2539.1	2562.3	2570.0	2562.3	2539.1	2500.7	2447.0	2378.4	2295.0	2197.2
57.5°	3174.5	3222.3	3251.0	3260.6	3251.0	3222.3	3174.5	3107.9	3022.7	2919.3	2798.2
55°	3820.9	3870.2	3899.9	3909.8	3899.9	3870.2	3820.9	3752.1	3664.3	3557.7	3432.9
52.5°	4232.5	4264.1	4283.1	4289.5	4283.1	4264.1	4232.5	4188.5	4132.3	4064.2	3984.5
50°	4997.5	5074.5	5120.9	5136.4	5120.9	5074.5	4997.5	4890.3	4753.5	4587.9	4394.3
47.5°	6731.5	6924.3	7040.5	7079.3	7040.5	6924.3	6731.5	6463.3	6121.5	5708.1	5225.7
45°	12136.4	12816.3	13226.3	13363.3	13226.3	12816.3	12136.4	11191.6	9988.7	8536.0	7006.2
42.5°	19006.4	19851.9	20362.1	20532.7	20362.1	19851.9	19006.4	17832.6	16340.2	14540.6	12560.4
40°	26653.2	27678.5	28297.8	28504.9	28297.8	27678.5	26653.2	25231.6	23426.9	21254.9	18914.8
37.5°	35415.2	36715.3	37501.3	37764.3	37501.3	36715.3	35415.2	33615.4	31334.7	28596.1	25853.0
35°	44827.1	46328.4	47237.2	47541.5	47237.2	46328.4	44827.1	42752.5	40129.6	37029.3	33594.5
32.5°	56379.7	58519.2	59816.3	60251.0	59816.3	58519.2	56379.7	53429.6	49710.1	45793.8	41863.6
30°	72141.9	75454.6	77466.9	78141.9	77466.9	75454.6	72141.9	67586.6	61862.9	56560.5	51020.0
27.5°	89024.6	92562.7	94717.1	95440.7	94717.1	92562.7	89024.6	84176.3	78108.9	70682.7	62216.5
25°	105419.5	109277.3	111634.0	112426.9	111634.0	109277.3	105419.5	100156.4	93572.1	85721.8	76781.0
22.5°	122714.5	127570.2	130549.1	131553.6	130549.1	127570.2	122714.5	116128.0	108483.0	100035.7	90442.8
20°	142864.0	149639.6	153820.5	155234.7	153820.5	149639.6	142864.0	133744.2	124297.0	113848.3	103343.3
17.5°	165876.1	174482.5	179836.8	181656.0	179836.8	174482.5	165876.1	154498.6	142054.0	128532.1	115845.4
15°	188560.6	196999.1	202312.2	204129.8	202312.2	196999.1	188560.6	176753.7	161224.0	144904.2	128532.1
12.5°	207297.4	213872.2	217066.7	217975.8	217066.7	213872.2	207297.4	195518.6	180525.5	161224.0	142054.0
10°	218061.4	223935.1	227230.1	228309.2	227230.1	223935.1	218061.4	210375.3	195518.6	176753.7	154498.6
7.5°	226214.5	230619.0	233445.7	234418.0	233445.7	230619.0	226214.5	218061.4	207297.4	188560.6	165876.1
5°	230619.0	235462.6	238462.8	239567.7	238462.8	235462.6	230619.0	223935.1	213872.2	196999.1	174482.5
2.5°	233445.7	238462.8	240720.1	241092.3	240720.1	238462.8	233445.7	227230.1	217066.7	202312.2	179836.8
0°	234418.0	239567.7	241092.3	241380.1	241092.3	239567.7	234418.0	228309.2	217975.8	204129.8	181656.0
-2.5°	233445.7	238462.8	240720.1	241092.3	240720.1	238462.8	233445.7	227230.1	217066.7	202312.2	179836.8
-5°	230619.0	235462.6	238462.8	239567.7	238462.8	235462.6	230619.0	223935.1	213872.2	196999.1	174482.5
-7.5°	226214.5	230619.0	233445.7	234418.0	233445.7	230619.0	226214.5	218061.4	207297.4	188560.6	165876.1
-10°	218061.4	223935.1	227230.1	228309.2	227230.1	223935.1	218061.4	210375.3	195518.6	176753.7	154498.6
-12.5°	207297.4	213872.2	217066.7	217975.8	217066.7	213872.2	207297.4	195518.6	180525.5	161224.0	142054.0
-15°	188560.6	196999.1	202312.2	204129.8	202312.2	196999.1	188560.6	176753.7	161224.0	144904.2	128532.1
-17.5°	165876.1	174482.5	179836.8	181656.0	179836.8	174482.5	165876.1	154498.6	142054.0	128532.1	115845.4
-20°	142864.0	149639.6	153820.5	155234.7	153820.5	149639.6	142864.0	133744.2	124297.0	113848.3	103343.3



REPORT NUMBER: P1306524 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-80-5S-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	122714.5	127570.2	130549.1	131553.6	130549.1	127570.2	122714.5	116128.0	108483.0	100035.7	90442.8
-25°	105419.5	109277.3	111634.0	112426.9	111634.0	109277.3	105419.5	100156.4	93572.1	85721.8	76781.0
-27.5°	89024.6	92562.7	94717.1	95440.7	94717.1	92562.7	89024.6	84176.3	78108.9	70682.7	62216.5
-30°	72141.9	75454.6	77466.9	78141.9	77466.9	75454.6	72141.9	67586.6	61862.9	56560.5	51020.0
-32.5°	56379.7	58519.2	59816.3	60251.0	59816.3	58519.2	56379.7	53429.6	49710.1	45793.8	41863.6
-35°	44827.1	46328.4	47237.2	47541.5	47237.2	46328.4	44827.1	42752.5	40129.6	37029.3	33594.5
-37.5°	35415.2	36715.3	37501.3	37764.3	37501.3	36715.3	35415.2	33615.4	31334.7	28596.1	25853.0
-40°	26653.2	27678.5	28297.8	28504.9	28297.8	27678.5	26653.2	25231.6	23426.9	21254.9	18914.8
-42.5°	19006.4	19851.9	20362.1	20532.7	20362.1	19851.9	19006.4	17832.6	16340.2	14540.6	12560.4
-45°	12136.4	12816.3	13226.3	13363.3	13226.3	12816.3	12136.4	11191.6	9988.7	8536.0	7006.2
-47.5°	6731.5	6924.3	7040.5	7079.3	7040.5	6924.3	6731.5	6463.3	6121.5	5708.1	5225.7
-50°	4997.5	5074.5	5120.9	5136.4	5120.9	5074.5	4997.5	4890.3	4753.5	4587.9	4394.3
-52.5°	4232.5	4264.1	4283.1	4289.5	4283.1	4264.1	4232.5	4188.5	4132.3	4064.2	3984.5
-55°	3820.9	3870.2	3899.9	3909.8	3899.9	3870.2	3820.9	3752.1	3664.3	3557.7	3432.9
-57.5°	3174.5	3222.3	3251.0	3260.6	3251.0	3222.3	3174.5	3107.9	3022.7	2919.3	2798.2
-60°	2500.7	2539.1	2562.3	2570.0	2562.3	2539.1	2500.7	2447.0	2378.4	2295.0	2197.2
-62.5°	1904.7	1933.5	1950.9	1956.7	1950.9	1933.5	1904.7	1864.4	1812.8	1750.2	1676.6
-65°	1407.4	1429.1	1442.1	1446.4	1442.1	1429.1	1407.4	1377.2	1338.6	1291.6	1236.4
-67.5°	991.9	1007.3	1016.6	1019.7	1016.6	1007.3	991.9	970.4	942.9	909.4	870.0
-70°	658.7	669.2	675.6	677.7	675.6	669.2	658.7	643.9	625.0	602.1	575.0
-72.5°	399.9	406.1	409.8	411.0	409.8	406.1	399.9	391.3	380.3	366.9	351.2
-75°	225.8	229.1	231.0	231.7	231.0	229.1	225.8	221.2	215.4	208.3	199.9
-77.5°	117.0	118.4	119.2	119.5	119.2	118.4	117.0	115.0	112.5	109.5	105.9
-80°	60.8	61.3	61.5	61.6	61.5	61.3	60.8	60.2	59.5	58.6	57.5
-82.5°	39.0	39.3	39.4	39.5	39.4	39.3	39.0	38.7	38.2	37.6	36.9
-85°	20.8	21.0	21.1	21.1	21.1	21.0	20.8	20.7	20.4	20.1	19.7
-87.5°	6.3	6.4	6.4	6.4	6.4	6.4	6.3	6.3	6.2	6.2	6.1
-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: P1306524 (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°	6.0	5.9	5.8	5.7	5.5	5.4	5.2	5.1	4.9	4.7	4.5
85°	19.3	18.9	18.3	17.8	17.2	16.5	15.8	15.0	14.2	13.4	12.5
82.5°	36.2	35.3	34.3	33.2	32.1	30.8	29.5	28.0	26.5	24.9	23.3
80°	56.2	54.8	53.2	51.5	49.7	47.6	45.5	43.2	40.8	38.4	36.2
77.5°	101.8	97.1	92.0	86.3	80.2	73.6	66.5	60.6	57.6	54.4	51.0
75°	190.2	179.4	167.4	154.2	139.8	124.4	113.5	104.4	94.8	84.8	74.2
72.5°	333.1	312.7	290.2	265.4	238.5	217.8	198.5	177.9	156.2	133.4	114.3
70°	544.1	509.2	470.5	428.1	391.6	358.3	322.8	285.1	245.2	214.0	186.6
67.5°	824.9	774.1	717.8	661.0	608.8	552.8	493.0	429.6	378.5	331.3	281.9
65°	1173.1	1102.0	1023.3	953.5	878.7	798.3	712.5	634.0	559.2	480.9	402.9
62.5°	1592.4	1497.8	1401.9	1306.1	1202.5	1091.3	982.1	881.5	775.5	667.4	577.1
60°	2085.3	1959.7	1843.7	1717.4	1580.9	1436.4	1306.1	1168.3	1023.3	900.9	774.1
57.5°	2659.6	2511.6	2359.2	2192.9	2013.3	1843.7	1673.4	1493.5	1327.8	1162.6	996.3
55°	3290.4	3122.4	2935.0	2730.7	2517.0	2307.6	2085.3	1868.5	1663.7	1449.8	1263.3
52.5°	3882.1	3708.2	3516.5	3307.9	3071.8	2816.5	2548.4	2295.0	2029.5	1787.0	1547.8
50°	4237.6	4127.2	4005.6	3847.8	3604.9	3345.8	3059.5	2752.6	2447.0	2150.2	1861.6
47.5°	4936.1	4669.2	4376.0	4185.7	4032.6	3841.1	3546.6	3235.9	2892.3	2539.1	2210.9
45°	6411.8	5749.9	5087.5	4745.0	4378.0	4154.4	3970.0	3682.3	3337.9	2962.7	2570.0
42.5°	10480.9	8170.2	6635.0	5790.6	5028.0	4610.9	4236.8	4030.9	3750.8	3371.6	2962.7
40°	16350.9	13508.8	10772.4	7842.9	6349.4	5327.9	4752.4	4278.3	4051.3	3750.8	3337.9
37.5°	22773.8	19487.0	16156.0	12673.7	9336.9	6689.3	5550.1	4799.9	4278.3	4030.9	3682.3
35°	29732.9	25898.7	21924.9	17957.0	13898.6	10092.3	6803.5	5550.1	4752.4	4236.8	3970.0
32.5°	37477.1	32900.0	28030.3	23485.1	18868.8	14342.7	10092.3	6689.3	5327.9	4610.9	4154.4
30°	45463.5	40267.1	34838.7	29209.3	24009.8	18868.8	13898.6	9336.9	6349.4	5028.0	4378.0
27.5°	54972.9	47713.8	41693.2	35491.6	29209.3	23485.1	17957.0	12673.7	7842.9	5790.6	4745.0
25°	66632.1	56987.8	48683.1	41693.2	34838.7	28030.3	21924.9	16156.0	10772.4	6635.0	5087.5
22.5°	79843.0	68125.0	56987.8	47713.8	40267.1	32900.0	25898.7	19487.0	13508.8	8170.2	5749.9
20°	92044.0	79843.0	66632.1	54972.9	45463.5	37477.1	29732.9	22773.8	16350.9	10480.9	6411.8
17.5°	103343.3	90442.8	76781.0	62216.5	51020.0	41863.6	33594.5	25853.0	18914.8	12560.4	7006.2
15°	113848.3	100035.7	85721.8	70682.7	56560.5	45793.8	37029.3	28596.1	21254.9	14540.6	8536.0
12.5°	124297.0	108483.0	93572.1	78108.9	61862.9	49710.1	40129.6	31334.7	23426.9	16340.2	9988.7
10°	133744.2	116128.0	100156.4	84176.3	67586.6	53429.6	42752.5	33615.4	25231.6	17832.6	11191.6
7.5°	142864.0	122714.5	105419.5	89024.6	72141.9	56379.7	44827.1	35415.2	26653.2	19006.4	12136.4
5°	149639.6	127570.2	109277.3	92562.7	75454.6	58519.2	46328.4	36715.3	27678.5	19851.9	12816.3
2.5°	153820.5	130549.1	111634.0	94717.1	77466.9	59816.3	47237.2	37501.3	28297.8	20362.1	13226.3
0°	155234.7	131553.6	112426.9	95440.7	78141.9	60251.0	47541.5	37764.3	28504.9	20532.7	13363.3
-2.5°	153820.5	130549.1	111634.0	94717.1	77466.9	59816.3	47237.2	37501.3	28297.8	20362.1	13226.3
-5°	149639.6	127570.2	109277.3	92562.7	75454.6	58519.2	46328.4	36715.3	27678.5	19851.9	12816.3
-7.5°	142864.0	122714.5	105419.5	89024.6	72141.9	56379.7	44827.1	35415.2	26653.2	19006.4	12136.4
-10°	133744.2	116128.0	100156.4	84176.3	67586.6	53429.6	42752.5	33615.4	25231.6	17832.6	11191.6
-12.5°	124297.0	108483.0	93572.1	78108.9	61862.9	49710.1	40129.6	31334.7	23426.9	16340.2	9988.7
-15°	113848.3	100035.7	85721.8	70682.7	56560.5	45793.8	37029.3	28596.1	21254.9	14540.6	8536.0
-17.5°	103343.3	90442.8	76781.0	62216.5	51020.0	41863.6	33594.5	25853.0	18914.8	12560.4	7006.2
-20°	92044.0	79843.0	66632.1	54972.9	45463.5	37477.1	29732.9	22773.8	16350.9	10480.9	6411.8



REPORT NUMBER: P1306524 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-80-5S-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	79843.0	68125.0	56987.8	47713.8	40267.1	32900.0	25898.7	19487.0	13508.8	8170.2	5749.9
-25°	66632.1	56987.8	48683.1	41693.2	34838.7	28030.3	21924.9	16156.0	10772.4	6635.0	5087.5
-27.5°	54972.9	47713.8	41693.2	35491.6	29209.3	23485.1	17957.0	12673.7	7842.9	5790.6	4745.0
-30°	45463.5	40267.1	34838.7	29209.3	24009.8	18868.8	13898.6	9336.9	6349.4	5028.0	4378.0
-32.5°	37477.1	32900.0	28030.3	23485.1	18868.8	14342.7	10092.3	6689.3	5327.9	4610.9	4154.4
-35°	29732.9	25898.7	21924.9	17957.0	13898.6	10092.3	6803.5	5550.1	4752.4	4236.8	3970.0
-37.5°	22773.8	19487.0	16156.0	12673.7	9336.9	6689.3	5550.1	4799.9	4278.3	4030.9	3682.3
-40°	16350.9	13508.8	10772.4	7842.9	6349.4	5327.9	4752.4	4278.3	4051.3	3750.8	3337.9
-42.5°	10480.9	8170.2	6635.0	5790.6	5028.0	4610.9	4236.8	4030.9	3750.8	3371.6	2962.7
-45°	6411.8	5749.9	5087.5	4745.0	4378.0	4154.4	3970.0	3682.3	3337.9	2962.7	2570.0
-47.5°	4936.1	4669.2	4376.0	4185.7	4032.6	3841.1	3546.6	3235.9	2892.3	2539.1	2210.9
-50°	4237.6	4127.2	4005.6	3847.8	3604.9	3345.8	3059.5	2752.6	2447.0	2150.2	1861.6
-52.5°	3882.1	3708.2	3516.5	3307.9	3071.8	2816.5	2548.4	2295.0	2029.5	1787.0	1547.8
-55°	3290.4	3122.4	2935.0	2730.7	2517.0	2307.6	2085.3	1868.5	1663.7	1449.8	1263.3
-57.5°	2659.6	2511.6	2359.2	2192.9	2013.3	1843.7	1673.4	1493.5	1327.8	1162.6	996.3
-60°	2085.3	1959.7	1843.7	1717.4	1580.9	1436.4	1306.1	1168.3	1023.3	900.9	774.1
-62.5°	1592.4	1497.8	1401.9	1306.1	1202.5	1091.3	982.1	881.5	775.5	667.4	577.1
-65°	1173.1	1102.0	1023.3	953.5	878.7	798.3	712.5	634.0	559.2	480.9	402.9
-67.5°	824.9	774.1	717.8	661.0	608.8	552.8	493.0	429.6	378.5	331.3	281.9
-70°	544.1	509.2	470.5	428.1	391.6	358.3	322.8	285.1	245.2	214.0	186.6
-72.5°	333.1	312.7	290.2	265.4	238.5	217.8	198.5	177.9	156.2	133.4	114.3
-75°	190.2	179.4	167.4	154.2	139.8	124.4	113.5	104.4	94.8	84.8	74.2
-77.5°	101.8	97.1	92.0	86.3	80.2	73.6	66.5	60.6	57.6	54.4	51.0
-80°	56.2	54.8	53.2	51.5	49.7	47.6	45.5	43.2	40.8	38.4	36.2
-82.5°	36.2	35.3	34.3	33.2	32.1	30.8	29.5	28.0	26.5	24.9	23.3
-85°	19.3	18.9	18.3	17.8	17.2	16.5	15.8	15.0	14.2	13.4	12.5
-87.5°	6.0	5.9	5.8	5.7	5.5	5.4	5.2	5.1	4.9	4.7	4.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306524 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-80-5S-A

**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°	4.3	4.1	3.9	3.7	3.4	3.2	3.0	2.7	2.4	2.2	1.9
85°	11.5	10.6	9.6	8.5	7.5	6.4	5.9	5.4	4.9	4.4	3.8
82.5°	21.5	20.0	18.5	16.9	15.3	13.7	12.0	10.3	8.5	6.7	5.8
80°	33.9	31.5	29.0	26.4	23.7	21.0	18.7	16.4	14.1	11.7	9.3
77.5°	47.5	43.9	40.1	36.8	33.5	30.0	26.5	22.9	19.6	16.7	13.6
75°	63.2	57.9	53.3	48.7	43.9	39.0	34.8	30.5	26.1	21.7	17.9
72.5°	101.5	88.1	74.3	61.0	55.4	49.6	43.8	38.0	32.9	27.7	22.5
70°	158.1	128.5	108.3	92.0	75.2	60.2	53.5	46.7	39.7	33.7	27.7
67.5°	230.9	197.6	163.1	127.6	104.8	85.5	65.7	55.5	47.6	39.7	32.9
65°	345.7	286.4	227.6	188.1	147.5	112.5	90.6	68.3	55.5	46.7	38.0
62.5°	483.2	394.2	326.8	257.4	203.2	157.6	115.1	90.6	65.7	53.5	43.8
60°	650.2	544.1	434.6	351.2	273.6	208.3	157.6	112.5	85.5	60.2	49.6
57.5°	853.4	705.7	580.8	459.0	359.3	273.6	203.2	147.5	104.8	75.2	55.4
55°	1070.8	901.3	737.4	593.2	459.0	351.2	257.4	188.1	127.6	92.0	61.0
52.5°	1324.3	1111.1	917.4	737.4	580.8	434.6	326.8	227.6	163.1	108.3	74.3
50°	1597.1	1344.8	1111.1	901.3	705.7	544.1	394.2	286.4	197.6	128.5	88.1
47.5°	1886.6	1597.1	1324.3	1070.8	853.4	650.2	483.2	345.7	230.9	158.1	101.5
45°	2210.9	1861.6	1547.8	1263.3	996.3	774.1	577.1	402.9	281.9	186.6	114.3
42.5°	2539.1	2150.2	1787.0	1449.8	1162.6	900.9	667.4	480.9	331.3	214.0	133.4
40°	2892.3	2447.0	2029.5	1663.7	1327.8	1023.3	775.5	559.2	378.5	245.2	156.2
37.5°	3235.9	2752.6	2295.0	1868.5	1493.5	1168.3	881.5	634.0	429.6	285.1	177.9
35°	3546.6	3059.5	2548.4	2085.3	1673.4	1306.1	982.1	712.5	493.0	322.8	198.5
32.5°	3841.1	3345.8	2816.5	2307.6	1843.7	1436.4	1091.3	798.3	552.8	358.3	217.8
30°	4032.6	3604.9	3071.8	2517.0	2013.3	1580.9	1202.5	878.7	608.8	391.6	238.5
27.5°	4185.7	3847.8	3307.9	2730.7	2192.9	1717.4	1306.1	953.5	661.0	428.1	265.4
25°	4376.0	4005.6	3516.5	2935.0	2359.2	1843.7	1401.9	1023.3	717.8	470.5	290.2
22.5°	4669.2	4127.2	3708.2	3122.4	2511.6	1959.7	1497.8	1102.0	774.1	509.2	312.7
20°	4936.1	4237.6	3882.1	3290.4	2659.6	2085.3	1592.4	1173.1	824.9	544.1	333.1
17.5°	5225.7	4394.3	3984.5	3432.9	2798.2	2197.2	1676.6	1236.4	870.0	575.0	351.2
15°	5708.1	4587.9	4064.2	3557.7	2919.3	2295.0	1750.2	1291.6	909.4	602.1	366.9
12.5°	6121.5	4753.5	4132.3	3664.3	3022.7	2378.4	1812.8	1338.6	942.9	625.0	380.3
10°	6463.3	4890.3	4188.5	3752.1	3107.9	2447.0	1864.4	1377.2	970.4	643.9	391.3
7.5°	6731.5	4997.5	4232.5	3820.9	3174.5	2500.7	1904.7	1407.4	991.9	658.7	399.9
5°	6924.3	5074.5	4264.1	3870.2	3222.3	2539.1	1933.5	1429.1	1007.3	669.2	406.1
2.5°	7040.5	5120.9	4283.1	3899.9	3251.0	2562.3	1950.9	1442.1	1016.6	675.6	409.8
0°	7079.3	5136.4	4289.5	3909.8	3260.6	2570.0	1956.7	1446.4	1019.7	677.7	411.0
-2.5°	7040.5	5120.9	4283.1	3899.9	3251.0	2562.3	1950.9	1442.1	1016.6	675.6	409.8
-5°	6924.3	5074.5	4264.1	3870.2	3222.3	2539.1	1933.5	1429.1	1007.3	669.2	406.1
-7.5°	6731.5	4997.5	4232.5	3820.9	3174.5	2500.7	1904.7	1407.4	991.9	658.7	399.9
-10°	6463.3	4890.3	4188.5	3752.1	3107.9	2447.0	1864.4	1377.2	970.4	643.9	391.3
-12.5°	6121.5	4753.5	4132.3	3664.3	3022.7	2378.4	1812.8	1338.6	942.9	625.0	380.3
-15°	5708.1	4587.9	4064.2	3557.7	2919.3	2295.0	1750.2	1291.6	909.4	602.1	366.9
-17.5°	5225.7	4394.3	3984.5	3432.9	2798.2	2197.2	1676.6	1236.4	870.0	575.0	351.2
-20°	4936.1	4237.6	3882.1	3290.4	2659.6	2085.3	1592.4	1173.1	824.9	544.1	333.1



REPORT NUMBER: P1306524 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4669.2	4127.2	3708.2	3122.4	2511.6	1959.7	1497.8	1102.0	774.1	509.2	312.7
-25°	4376.0	4005.6	3516.5	2935.0	2359.2	1843.7	1401.9	1023.3	717.8	470.5	290.2
-27.5°	4185.7	3847.8	3307.9	2730.7	2192.9	1717.4	1306.1	953.5	661.0	428.1	265.4
-30°	4032.6	3604.9	3071.8	2517.0	2013.3	1580.9	1202.5	878.7	608.8	391.6	238.5
-32.5°	3841.1	3345.8	2816.5	2307.6	1843.7	1436.4	1091.3	798.3	552.8	358.3	217.8
-35°	3546.6	3059.5	2548.4	2085.3	1673.4	1306.1	982.1	712.5	493.0	322.8	198.5
-37.5°	3235.9	2752.6	2295.0	1868.5	1493.5	1168.3	881.5	634.0	429.6	285.1	177.9
-40°	2892.3	2447.0	2029.5	1663.7	1327.8	1023.3	775.5	559.2	378.5	245.2	156.2
-42.5°	2539.1	2150.2	1787.0	1449.8	1162.6	900.9	667.4	480.9	331.3	214.0	133.4
-45°	2210.9	1861.6	1547.8	1263.3	996.3	774.1	577.1	402.9	281.9	186.6	114.3
-47.5°	1886.6	1597.1	1324.3	1070.8	853.4	650.2	483.2	345.7	230.9	158.1	101.5
-50°	1597.1	1344.8	1111.1	901.3	705.7	544.1	394.2	286.4	197.6	128.5	88.1
-52.5°	1324.3	1111.1	917.4	737.4	580.8	434.6	326.8	227.6	163.1	108.3	74.3
-55°	1070.8	901.3	737.4	593.2	459.0	351.2	257.4	188.1	127.6	92.0	61.0
-57.5°	853.4	705.7	580.8	459.0	359.3	273.6	203.2	147.5	104.8	75.2	55.4
-60°	650.2	544.1	434.6	351.2	273.6	208.3	157.6	112.5	85.5	60.2	49.6
-62.5°	483.2	394.2	326.8	257.4	203.2	157.6	115.1	90.6	65.7	53.5	43.8
-65°	345.7	286.4	227.6	188.1	147.5	112.5	90.6	68.3	55.5	46.7	38.0
-67.5°	230.9	197.6	163.1	127.6	104.8	85.5	65.7	55.5	47.6	39.7	32.9
-70°	158.1	128.5	108.3	92.0	75.2	60.2	53.5	46.7	39.7	33.7	27.7
-72.5°	101.5	88.1	74.3	61.0	55.4	49.6	43.8	38.0	32.9	27.7	22.5
-75°	63.2	57.9	53.3	48.7	43.9	39.0	34.8	30.5	26.1	21.7	17.9
-77.5°	47.5	43.9	40.1	36.8	33.5	30.0	26.5	22.9	19.6	16.7	13.6
-80°	33.9	31.5	29.0	26.4	23.7	21.0	18.7	16.4	14.1	11.7	9.3
-82.5°	21.5	20.0	18.5	16.9	15.3	13.7	12.0	10.3	8.5	6.7	5.8
-85°	11.5	10.6	9.6	8.5	7.5	6.4	5.9	5.4	4.9	4.4	3.8
-87.5°	4.3	4.1	3.9	3.7	3.4	3.2	3.0	2.7	2.4	2.2	1.9
-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°	1.7	1.4	1.1	0.8	0.6	0.3	0.0
85°	3.3	2.8	2.2	1.7	1.1	0.6	0.0
82.5°	5.0	4.1	3.3	2.5	1.7	0.8	0.0
80°	6.8	5.5	4.4	3.3	2.2	1.1	0.0
77.5°	10.6	7.5	5.5	4.1	2.8	1.4	0.0
75°	14.3	10.6	6.8	5.0	3.3	1.7	0.0
72.5°	17.9	13.6	9.3	5.8	3.8	1.9	0.0
70°	21.7	16.7	11.7	6.7	4.4	2.2	0.0
67.5°	26.1	19.6	14.1	8.5	4.9	2.4	0.0
65°	30.5	22.9	16.4	10.3	5.4	2.7	0.0
62.5°	34.8	26.5	18.7	12.0	5.9	3.0	0.0
60°	39.0	30.0	21.0	13.7	6.4	3.2	0.0
57.5°	43.9	33.5	23.7	15.3	7.5	3.4	0.0
55°	48.7	36.8	26.4	16.9	8.5	3.7	0.0
52.5°	53.3	40.1	29.0	18.5	9.6	3.9	0.0
50°	57.9	43.9	31.5	20.0	10.6	4.1	0.0
47.5°	63.2	47.5	33.9	21.5	11.5	4.3	0.0
45°	74.2	51.0	36.2	23.3	12.5	4.5	0.0
42.5°	84.8	54.4	38.4	24.9	13.4	4.7	0.0
40°	94.8	57.6	40.8	26.5	14.2	4.9	0.0
37.5°	104.4	60.6	43.2	28.0	15.0	5.1	0.0
35°	113.5	66.5	45.5	29.5	15.8	5.2	0.0
32.5°	124.4	73.6	47.6	30.8	16.5	5.4	0.0
30°	139.8	80.2	49.7	32.1	17.2	5.5	0.0
27.5°	154.2	86.3	51.5	33.2	17.8	5.7	0.0
25°	167.4	92.0	53.2	34.3	18.3	5.8	0.0
22.5°	179.4	97.1	54.8	35.3	18.9	5.9	0.0
20°	190.2	101.8	56.2	36.2	19.3	6.0	0.0
17.5°	199.9	105.9	57.5	36.9	19.7	6.1	0.0
15°	208.3	109.5	58.6	37.6	20.1	6.2	0.0
12.5°	215.4	112.5	59.5	38.2	20.4	6.2	0.0
10°	221.2	115.0	60.2	38.7	20.7	6.3	0.0
7.5°	225.8	117.0	60.8	39.0	20.8	6.3	0.0
5°	229.1	118.4	61.3	39.3	21.0	6.4	0.0
2.5°	231.0	119.2	61.5	39.4	21.1	6.4	0.0
0°	231.7	119.5	61.6	39.5	21.1	6.4	0.0
-2.5°	231.0	119.2	61.5	39.4	21.1	6.4	0.0
-5°	229.1	118.4	61.3	39.3	21.0	6.4	0.0
-7.5°	225.8	117.0	60.8	39.0	20.8	6.3	0.0
-10°	221.2	115.0	60.2	38.7	20.7	6.3	0.0
-12.5°	215.4	112.5	59.5	38.2	20.4	6.2	0.0
-15°	208.3	109.5	58.6	37.6	20.1	6.2	0.0
-17.5°	199.9	105.9	57.5	36.9	19.7	6.1	0.0
-20°	190.2	101.8	56.2	36.2	19.3	6.0	0.0



REPORT NUMBER: P1306524 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	179.4	97.1	54.8	35.3	18.9	5.9	0.0
-25°	167.4	92.0	53.2	34.3	18.3	5.8	0.0
-27.5°	154.2	86.3	51.5	33.2	17.8	5.7	0.0
-30°	139.8	80.2	49.7	32.1	17.2	5.5	0.0
-32.5°	124.4	73.6	47.6	30.8	16.5	5.4	0.0
-35°	113.5	66.5	45.5	29.5	15.8	5.2	0.0
-37.5°	104.4	60.6	43.2	28.0	15.0	5.1	0.0
-40°	94.8	57.6	40.8	26.5	14.2	4.9	0.0
-42.5°	84.8	54.4	38.4	24.9	13.4	4.7	0.0
-45°	74.2	51.0	36.2	23.3	12.5	4.5	0.0
-47.5°	63.2	47.5	33.9	21.5	11.5	4.3	0.0
-50°	57.9	43.9	31.5	20.0	10.6	4.1	0.0
-52.5°	53.3	40.1	29.0	18.5	9.6	3.9	0.0
-55°	48.7	36.8	26.4	16.9	8.5	3.7	0.0
-57.5°	43.9	33.5	23.7	15.3	7.5	3.4	0.0
-60°	39.0	30.0	21.0	13.7	6.4	3.2	0.0
-62.5°	34.8	26.5	18.7	12.0	5.9	3.0	0.0
-65°	30.5	22.9	16.4	10.3	5.4	2.7	0.0
-67.5°	26.1	19.6	14.1	8.5	4.9	2.4	0.0
-70°	21.7	16.7	11.7	6.7	4.4	2.2	0.0
-72.5°	17.9	13.6	9.3	5.8	3.8	1.9	0.0
-75°	14.3	10.6	6.8	5.0	3.3	1.7	0.0
-77.5°	10.6	7.5	5.5	4.1	2.8	1.4	0.0
-80°	6.8	5.5	4.4	3.3	2.2	1.1	0.0
-82.5°	5.0	4.1	3.3	2.5	1.7	0.8	0.0
-85°	3.3	2.8	2.2	1.7	1.1	0.6	0.0
-87.5°	1.7	1.4	1.1	0.8	0.6	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)