

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: P699927 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200L-57-80-3S-S**

Issue Date: 8/10/2023

Test Information

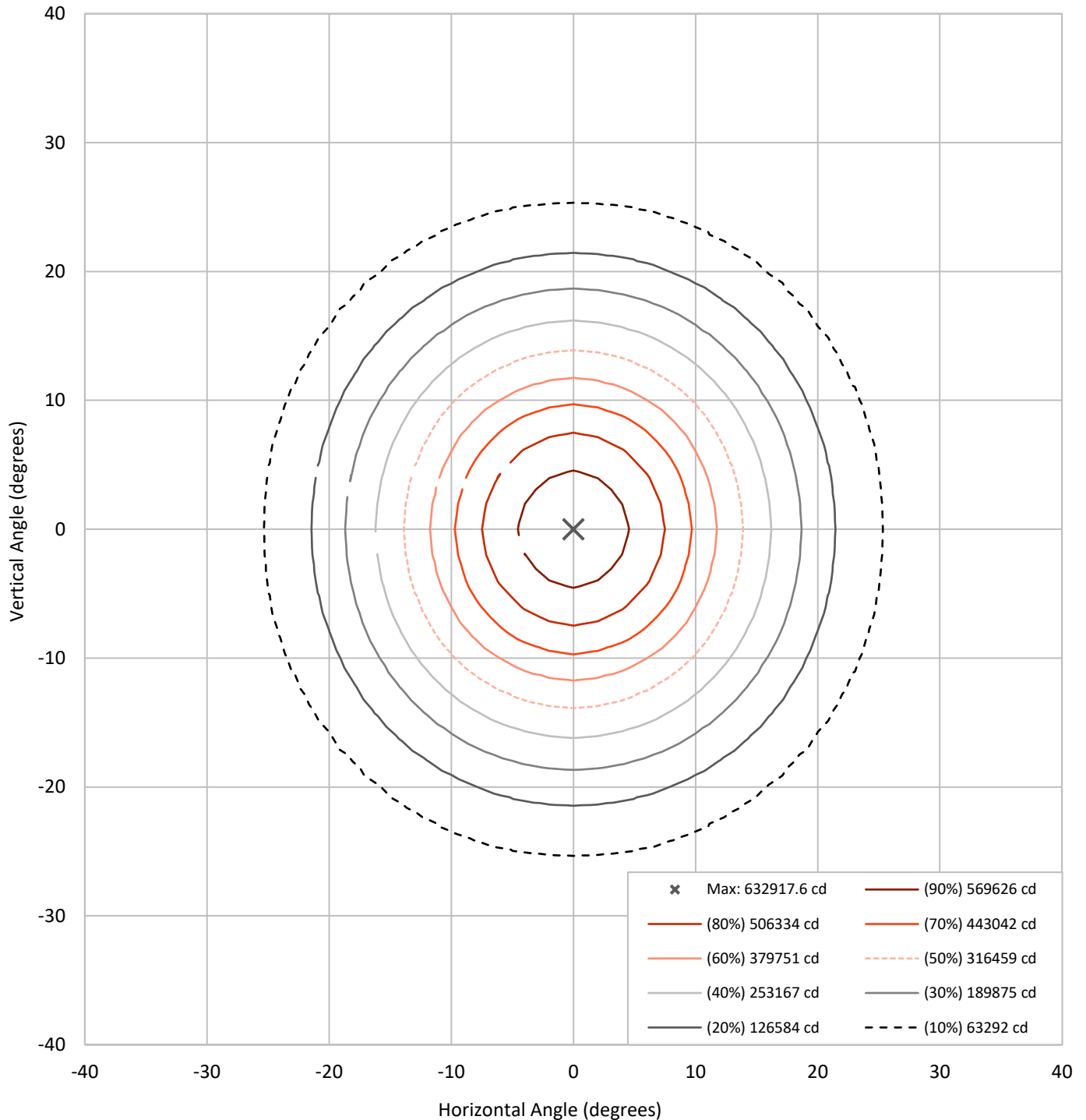
Test Method: LM-79-08
Report Number: P699927 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-11)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200L-57-80-3S-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 80 CRI LEDS AND 3S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	184631.8 lumens	Max Intensity:	632917.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	152.1 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	27.8°H x 27.8°V	Field Angle (10%):	50.4°H x 50.4°V
Beam Lumens:	81164.7 lumens	Field Lumens:	151013.8 lumens
Beam Efficiency:	44.0%	Field Efficiency:	81.8%
Input Watts (W):	1214.1		
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





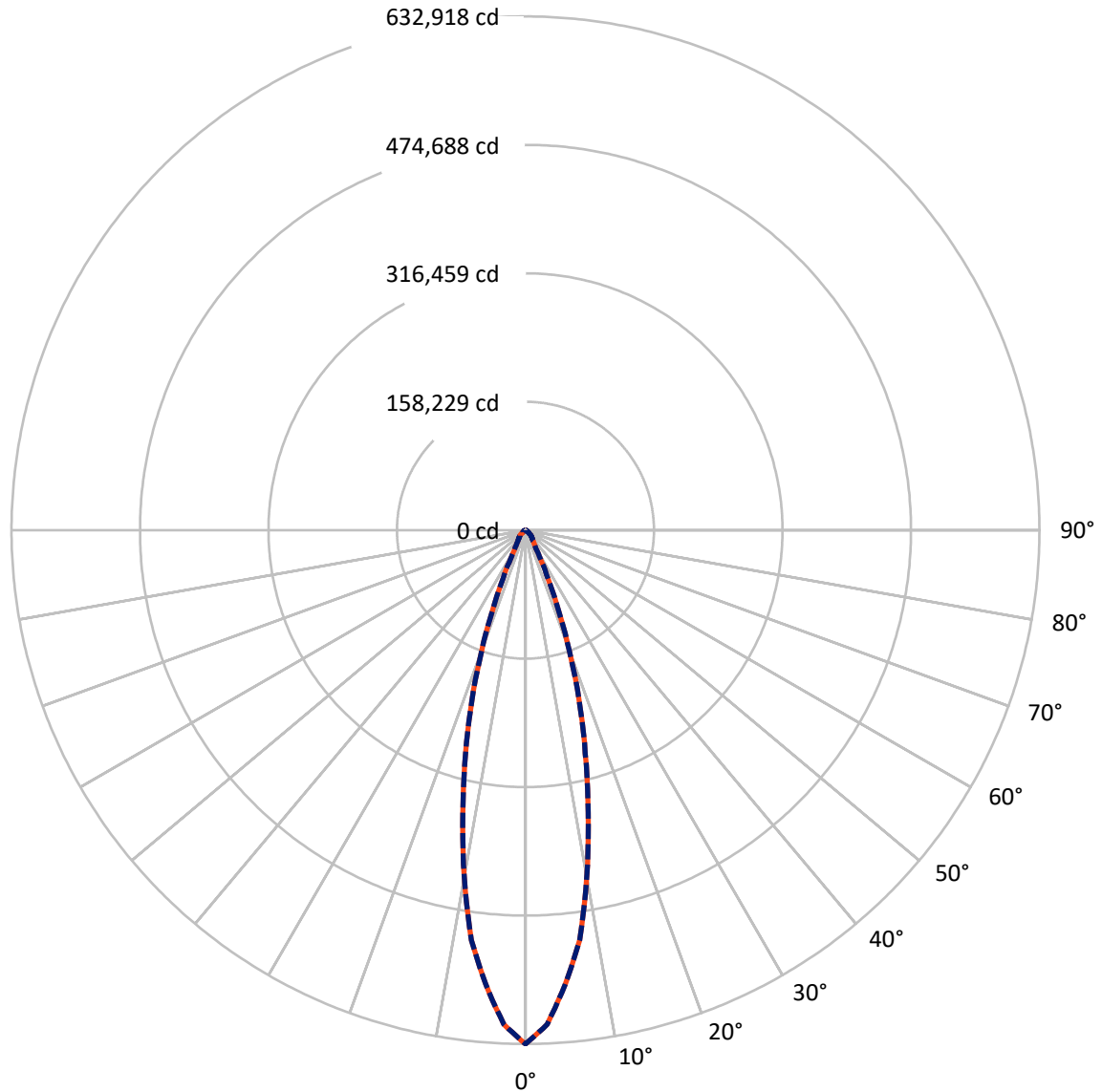
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Lumen Table

90	0.4	2.3		8.6		20.6		26.8		20.6		8.6		2.3		0.4
80	0.4	2.3		8.6		20.6		26.8		20.6		8.6		2.3		0.4
70	1.0	1.3	5.1	14.1	26.7	40.1	51.4	57.7	57.7	51.4	40.1	26.7	14.1	5.1	1.3	1.0
60		3.9	15.9	36.9	63.8	92.2	115.6	128.7	128.7	115.6	92.2	63.8	36.9	15.9	3.9	
50	2.8	8.7	30.1	65.1	110.3	173.7	244.0	285.0	285.0	244.0	173.7	110.3	65.1	30.1	8.7	2.8
40		14.2	45.1	95.5	192.2	315.3	427.4	518.8	518.8	427.4	315.3	192.2	95.5	45.1	14.2	
30	6.0	19.3	59.0	136.6	285.5	494.8	1095.3	2051.8	2051.8	1095.3	494.8	285.5	136.6	59.0	19.3	6.0
20		23.2	69.5	180.5	364.0	1033.3	4038.6	7873.9	7873.9	4038.6	1033.3	364.0	180.5	69.5	23.2	
10	7.4	25.2	75.0	204.2	429.4	1886.0	7658.1	14917.4	14917.4	7658.1	1886.0	429.4	204.2	75.0	25.2	7.4
0		25.2	75.0	204.2	429.4	1886.0	7658.1	14917.4	14917.4	7658.1	1886.0	429.4	204.2	75.0	25.2	
-10	6.0	23.2	69.5	180.5	364.0	1033.3	4038.6	7873.9	7873.9	4038.6	1033.3	364.0	180.5	69.5	23.2	6.0
-20		19.3	59.0	136.6	285.5	494.8	1095.3	2051.8	2051.8	1095.3	494.8	285.5	136.6	59.0	19.3	
-30	2.8	14.2	45.1	95.5	192.2	315.3	427.4	518.8	518.8	427.4	315.3	192.2	95.5	45.1	14.2	2.8
-40		8.7	30.1	65.1	110.3	173.7	244.0	285.0	285.0	244.0	173.7	110.3	65.1	30.1	8.7	
-50	1.0	3.9	15.9	36.9	63.8	92.2	115.6	128.7	128.7	115.6	92.2	63.8	36.9	15.9	3.9	1.0
-60		1.3	5.1	14.1	26.7	40.1	51.4	57.7	57.7	51.4	40.1	26.7	14.1	5.1	1.3	
-70	0.4	2.3		8.6		20.6		26.8		20.6		8.6		2.3		0.4
-80		2.3		8.6		20.6		26.8		20.6		8.6		2.3		
-90	0.4	2.3		8.6		20.6		26.8		20.6		8.6		2.3		0.4

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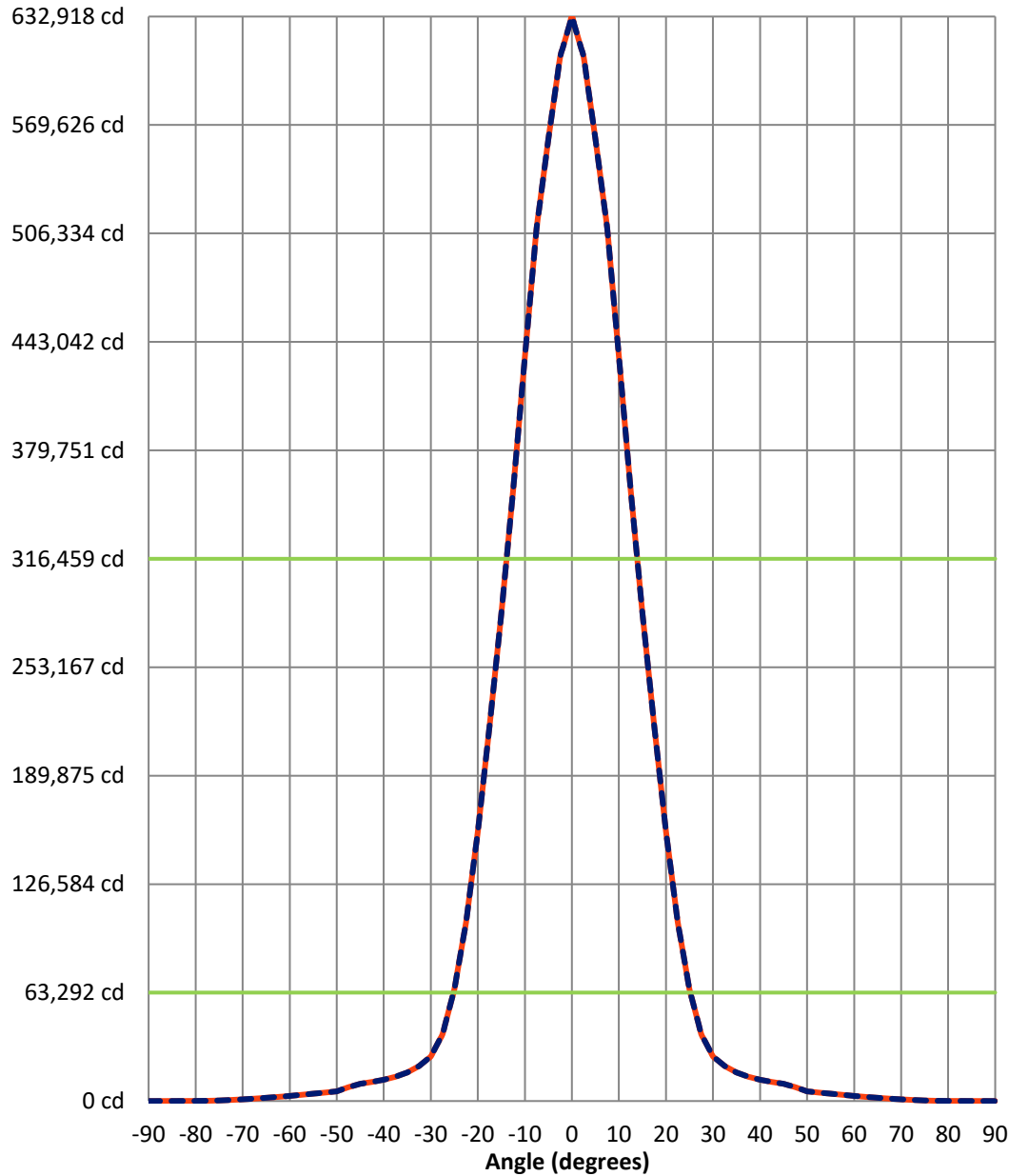
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 27.8°
 V Angle: 27.8°
 Lumens: 81164.7
 Efficiency: 44.0%

Field:
 H Angle: 50.4°
 V Angle: 50.4°
 Lumens: 151013.8
 Efficiency: 81.8%

Spill:
 Lumens: 33618
 Efficiency: 18.2%

— 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	0.9	1.7	2.6	3.5	4.3	5.1	6.0	6.8	7.6	8.4
85°	0.0	1.7	3.5	5.2	6.9	8.6	10.3	12.0	13.6	15.2	16.8
82.5°	0.0	2.6	5.2	7.8	10.3	12.9	15.4	17.9	20.2	22.0	23.7
80°	0.0	3.5	6.9	10.3	13.8	17.1	20.3	22.7	25.0	27.3	29.6
77.5°	0.0	4.3	8.6	12.9	17.1	21.0	23.9	26.9	29.8	32.7	36.0
75°	0.0	5.1	10.3	15.4	20.3	23.9	27.5	31.1	34.7	39.3	43.8
72.5°	0.0	6.0	12.0	17.9	22.7	26.9	31.1	35.5	40.9	46.3	51.5
70°	0.0	6.8	13.6	20.2	25.0	29.8	34.7	40.9	47.1	53.2	60.4
67.5°	0.0	7.6	15.2	22.0	27.3	32.7	39.3	46.3	53.2	61.4	69.4
65°	0.0	8.4	16.8	23.7	29.6	36.0	43.8	51.5	60.4	69.4	83.7
62.5°	0.0	9.2	18.4	25.3	31.8	39.7	48.2	57.4	67.4	80.6	110.3
60°	0.0	9.9	19.9	27.0	34.0	43.3	52.5	63.4	74.3	104.2	136.4
57.5°	0.0	10.7	20.9	28.5	36.8	46.8	57.5	69.3	92.0	127.2	192.0
55°	0.0	11.4	22.0	30.1	39.5	50.2	62.4	75.1	111.9	158.3	260.4
52.5°	0.0	12.1	23.0	31.6	42.2	53.6	67.2	90.8	131.4	218.2	327.0
50°	0.0	12.8	23.9	33.0	44.7	57.5	71.9	107.3	159.8	276.4	425.1
47.5°	0.0	13.4	24.9	34.5	47.2	61.2	77.6	123.2	209.8	332.6	524.0
45°	0.0	14.1	25.8	36.3	49.6	64.8	90.8	138.5	257.9	417.6	619.4
42.5°	0.0	14.7	26.6	38.0	51.9	68.3	103.3	168.1	304.1	499.9	728.7
40°	0.0	15.2	27.4	39.7	54.3	71.6	115.3	206.6	356.5	578.6	836.3
37.5°	0.0	15.8	28.2	41.2	56.8	74.7	126.7	243.2	422.9	658.3	938.8
35°	0.0	16.3	29.0	42.7	59.2	81.6	137.5	277.9	485.8	745.4	1041.6
32.5°	0.0	16.8	29.6	44.1	61.4	90.0	152.9	310.5	545.0	827.5	1147.0
30°	0.0	17.2	30.3	45.4	63.4	97.9	178.9	345.2	600.4	904.4	1245.7
27.5°	0.0	17.7	30.9	46.6	65.4	105.2	203.1	390.1	656.3	975.9	1337.6
25°	0.0	18.0	31.4	47.7	67.1	111.9	225.4	431.3	714.5	1048.2	1423.0
22.5°	0.0	18.4	31.9	48.7	68.7	118.1	245.7	469.0	767.6	1117.3	1512.0
20°	0.0	18.7	32.4	49.6	70.2	123.6	264.0	502.9	815.4	1179.7	1592.4
17.5°	0.0	19.0	32.8	50.4	71.5	128.5	280.2	533.1	858.0	1235.1	1663.9
15°	0.0	19.2	33.1	51.1	72.6	132.8	294.4	559.3	895.1	1283.4	1726.3
12.5°	0.0	19.4	33.4	51.6	73.5	136.4	306.4	581.7	926.6	1324.6	1779.5
10°	0.0	19.6	33.7	52.1	74.3	139.4	316.3	600.0	952.6	1358.4	1823.2
7.5°	0.0	19.7	33.9	52.5	74.9	141.7	324.0	614.3	972.8	1384.8	1857.3
5°	0.0	19.8	34.0	52.8	75.4	143.4	329.5	624.6	987.3	1403.7	1881.8
2.5°	0.0	19.9	34.1	52.9	75.6	144.4	332.8	630.7	996.0	1415.1	1896.5
0°	0.0	19.9	34.1	53.0	75.7	144.7	333.9	632.8	998.9	1418.9	1901.4
-2.5°	0.0	19.9	34.1	52.9	75.6	144.4	332.8	630.7	996.0	1415.1	1896.5
-5°	0.0	19.8	34.0	52.8	75.4	143.4	329.5	624.6	987.3	1403.7	1881.8
-7.5°	0.0	19.7	33.9	52.5	74.9	141.7	324.0	614.3	972.8	1384.8	1857.3
-10°	0.0	19.6	33.7	52.1	74.3	139.4	316.3	600.0	952.6	1358.4	1823.2
-12.5°	0.0	19.4	33.4	51.6	73.5	136.4	306.4	581.7	926.6	1324.6	1779.5
-15°	0.0	19.2	33.1	51.1	72.6	132.8	294.4	559.3	895.1	1283.4	1726.3
-17.5°	0.0	19.0	32.8	50.4	71.5	128.5	280.2	533.1	858.0	1235.1	1663.9
-20°	0.0	18.7	32.4	49.6	70.2	123.6	264.0	502.9	815.4	1179.7	1592.4



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 CATALOG NUMBER: EPH-LS-16-1200L-57-80-3S-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	18.4	31.9	48.7	68.7	118.1	245.7	469.0	767.6	1117.3	1512.0
-25°	0.0	18.0	31.4	47.7	67.1	111.9	225.4	431.3	714.5	1048.2	1423.0
-27.5°	0.0	17.7	30.9	46.6	65.4	105.2	203.1	390.1	656.3	975.9	1337.6
-30°	0.0	17.2	30.3	45.4	63.4	97.9	178.9	345.2	600.4	904.4	1245.7
-32.5°	0.0	16.8	29.6	44.1	61.4	90.0	152.9	310.5	545.0	827.5	1147.0
-35°	0.0	16.3	29.0	42.7	59.2	81.6	137.5	277.9	485.8	745.4	1041.6
-37.5°	0.0	15.8	28.2	41.2	56.8	74.7	126.7	243.2	422.9	658.3	938.8
-40°	0.0	15.2	27.4	39.7	54.3	71.6	115.3	206.6	356.5	578.6	836.3
-42.5°	0.0	14.7	26.6	38.0	51.9	68.3	103.3	168.1	304.1	499.9	728.7
-45°	0.0	14.1	25.8	36.3	49.6	64.8	90.8	138.5	257.9	417.6	619.4
-47.5°	0.0	13.4	24.9	34.5	47.2	61.2	77.6	123.2	209.8	332.6	524.0
-50°	0.0	12.8	23.9	33.0	44.7	57.5	71.9	107.3	159.8	276.4	425.1
-52.5°	0.0	12.1	23.0	31.6	42.2	53.6	67.2	90.8	131.4	218.2	327.0
-55°	0.0	11.4	22.0	30.1	39.5	50.2	62.4	75.1	111.9	158.3	260.4
-57.5°	0.0	10.7	20.9	28.5	36.8	46.8	57.5	69.3	92.0	127.2	192.0
-60°	0.0	9.9	19.9	27.0	34.0	43.3	52.5	63.4	74.3	104.2	136.4
-62.5°	0.0	9.2	18.4	25.3	31.8	39.7	48.2	57.4	67.4	80.6	110.3
-65°	0.0	8.4	16.8	23.7	29.6	36.0	43.8	51.5	60.4	69.4	83.7
-67.5°	0.0	7.6	15.2	22.0	27.3	32.7	39.3	46.3	53.2	61.4	69.4
-70°	0.0	6.8	13.6	20.2	25.0	29.8	34.7	40.9	47.1	53.2	60.4
-72.5°	0.0	6.0	12.0	17.9	22.7	26.9	31.1	35.5	40.9	46.3	51.5
-75°	0.0	5.1	10.3	15.4	20.3	23.9	27.5	31.1	34.7	39.3	43.8
-77.5°	0.0	4.3	8.6	12.9	17.1	21.0	23.9	26.9	29.8	32.7	36.0
-80°	0.0	3.5	6.9	10.3	13.8	17.1	20.3	22.7	25.0	27.3	29.6
-82.5°	0.0	2.6	5.2	7.8	10.3	12.9	15.4	17.9	20.2	22.0	23.7
-85°	0.0	1.7	3.5	5.2	6.9	8.6	10.3	12.0	13.6	15.2	16.8
-87.5°	0.0	0.9	1.7	2.6	3.5	4.3	5.1	6.0	6.8	7.6	8.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-LS-16-1200L-57-80-3S-S

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°	9.2	9.9	10.7	11.4	12.1	12.8	13.4	14.1	14.7	15.2	15.8
85°	18.4	19.9	20.9	22.0	23.0	23.9	24.9	25.8	26.6	27.4	28.2
82.5°	25.3	27.0	28.5	30.1	31.6	33.0	34.5	36.3	38.0	39.7	41.2
80°	31.8	34.0	36.8	39.5	42.2	44.7	47.2	49.6	51.9	54.3	56.8
77.5°	39.7	43.3	46.8	50.2	53.6	57.5	61.2	64.8	68.3	71.6	74.7
75°	48.2	52.5	57.5	62.4	67.2	71.9	77.6	90.8	103.3	115.3	126.7
72.5°	57.4	63.4	69.3	75.1	90.8	107.3	123.2	138.5	168.1	206.6	243.2
70°	67.4	74.3	92.0	111.9	131.4	159.8	209.8	257.9	304.1	356.5	422.9
67.5°	80.6	104.2	127.2	158.3	218.2	276.4	332.6	417.6	499.9	578.6	658.3
65°	110.3	136.4	192.0	260.4	327.0	425.1	524.0	619.4	728.7	836.3	938.8
62.5°	139.5	208.9	285.8	376.7	492.4	604.8	731.9	860.8	984.8	1119.0	1249.1
60°	208.9	294.4	403.7	533.1	665.2	815.4	961.2	1117.3	1273.0	1423.0	1586.9
57.5°	285.8	403.7	546.7	698.7	865.9	1033.2	1214.6	1390.2	1580.4	1767.3	1948.1
55°	376.7	533.1	698.7	882.8	1072.3	1273.5	1476.6	1694.4	1904.8	2116.5	2319.2
52.5°	492.4	665.2	865.9	1072.3	1293.2	1522.3	1763.4	2001.8	2238.5	2474.6	2722.8
50°	604.8	815.4	1033.2	1273.5	1522.3	1786.5	2050.6	2312.4	2587.3	2864.8	3155.1
47.5°	731.9	961.2	1214.6	1476.6	1763.4	2050.6	2337.1	2644.1	2951.0	3289.3	3619.2
45°	860.8	1117.3	1390.2	1694.4	2001.8	2312.4	2644.1	2979.8	3356.9	3721.6	4072.4
42.5°	984.8	1273.0	1580.4	1904.8	2238.5	2587.3	2951.0	3356.9	3756.0	4142.1	4506.6
40°	1119.0	1423.0	1767.3	2116.5	2474.6	2864.8	3289.3	3721.6	4142.1	4540.7	4920.3
37.5°	1249.1	1586.9	1948.1	2319.2	2722.8	3155.1	3619.2	4072.4	4506.6	4920.3	5378.9
35°	1372.7	1742.8	2126.1	2526.7	2959.6	3449.8	3934.2	4404.7	4850.7	5338.0	6186.6
32.5°	1499.8	1890.1	2294.6	2734.6	3216.4	3729.7	4234.1	4713.0	5216.0	5908.6	7611.5
30°	1625.6	2034.5	2459.4	2930.3	3461.7	3993.6	4509.4	5015.2	5575.7	7186.3	8804.8
27.5°	1742.8	2169.7	2627.3	3134.1	3691.1	4241.0	4765.4	5331.7	6487.4	8337.9	9847.6
25°	1851.0	2294.6	2782.8	3330.3	3903.5	4464.3	5013.5	5627.0	7543.6	9253.4	10489.1
22.5°	1952.3	2409.3	2925.2	3510.2	4098.7	4667.5	5266.3	6436.5	8440.2	10085.3	10997.2
20°	2045.9	2526.7	3065.9	3673.2	4275.9	4852.2	5496.4	7264.4	9162.3	10518.8	11519.1
17.5°	2129.3	2631.3	3198.9	3818.4	4429.0	5029.3	5780.7	8007.9	9812.2	10909.9	12017.1
15°	2202.1	2722.8	3315.2	3945.5	4562.2	5196.2	6384.2	8554.5	10242.7	11273.5	12463.2
12.5°	2264.1	2800.7	3414.5	4054.0	4676.1	5339.0	6901.3	9008.5	10517.2	11624.8	12978.5
10°	2315.1	2864.8	3496.3	4143.5	4770.0	5456.9	7328.8	9384.4	10744.8	11916.6	13407.7
7.5°	2355.0	2915.0	3560.2	4213.5	4843.6	5549.3	7664.2	9679.7	10923.9	12146.5	13746.4
5°	2383.6	2951.0	3606.1	4263.8	4896.5	5615.7	7905.4	9892.2	11052.9	12312.4	13991.1
2.5°	2400.8	2972.6	3633.7	4294.0	4928.3	5655.7	8050.7	10020.3	11130.7	12412.5	14139.0
0°	2406.5	2979.8	3642.9	4304.1	4938.9	5669.1	8099.3	10063.1	11156.7	12446.0	14188.5
-2.5°	2400.8	2972.6	3633.7	4294.0	4928.3	5655.7	8050.7	10020.3	11130.7	12412.5	14139.0
-5°	2383.6	2951.0	3606.1	4263.8	4896.5	5615.7	7905.4	9892.2	11052.9	12312.4	13991.1
-7.5°	2355.0	2915.0	3560.2	4213.5	4843.6	5549.3	7664.2	9679.7	10923.9	12146.5	13746.4
-10°	2315.1	2864.8	3496.3	4143.5	4770.0	5456.9	7328.8	9384.4	10744.8	11916.6	13407.7
-12.5°	2264.1	2800.7	3414.5	4054.0	4676.1	5339.0	6901.3	9008.5	10517.2	11624.8	12978.5
-15°	2202.1	2722.8	3315.2	3945.5	4562.2	5196.2	6384.2	8554.5	10242.7	11273.5	12463.2
-17.5°	2129.3	2631.3	3198.9	3818.4	4429.0	5029.3	5780.7	8007.9	9812.2	10909.9	12017.1
-20°	2045.9	2526.7	3065.9	3673.2	4275.9	4852.2	5496.4	7264.4	9162.3	10518.8	11519.1



REPORT NUMBER: P699927 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-3S-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1952.3	2409.3	2925.2	3510.2	4098.7	4667.5	5266.3	6436.5	8440.2	10085.3	10997.2
-25°	1851.0	2294.6	2782.8	3330.3	3903.5	4464.3	5013.5	5627.0	7543.6	9253.4	10489.1
-27.5°	1742.8	2169.7	2627.3	3134.1	3691.1	4241.0	4765.4	5331.7	6487.4	8337.9	9847.6
-30°	1625.6	2034.5	2459.4	2930.3	3461.7	3993.6	4509.4	5015.2	5575.7	7186.3	8804.8
-32.5°	1499.8	1890.1	2294.6	2734.6	3216.4	3729.7	4234.1	4713.0	5216.0	5908.6	7611.5
-35°	1372.7	1742.8	2126.1	2526.7	2959.6	3449.8	3934.2	4404.7	4850.7	5338.0	6186.6
-37.5°	1249.1	1586.9	1948.1	2319.2	2722.8	3155.1	3619.2	4072.4	4506.6	4920.3	5378.9
-40°	1119.0	1423.0	1767.3	2116.5	2474.6	2864.8	3289.3	3721.6	4142.1	4540.7	4920.3
-42.5°	984.8	1273.0	1580.4	1904.8	2238.5	2587.3	2951.0	3356.9	3756.0	4142.1	4506.6
-45°	860.8	1117.3	1390.2	1694.4	2001.8	2312.4	2644.1	2979.8	3356.9	3721.6	4072.4
-47.5°	731.9	961.2	1214.6	1476.6	1763.4	2050.6	2337.1	2644.1	2951.0	3289.3	3619.2
-50°	604.8	815.4	1033.2	1273.5	1522.3	1786.5	2050.6	2312.4	2587.3	2864.8	3155.1
-52.5°	492.4	665.2	865.9	1072.3	1293.2	1522.3	1763.4	2001.8	2238.5	2474.6	2722.8
-55°	376.7	533.1	698.7	882.8	1072.3	1273.5	1476.6	1694.4	1904.8	2116.5	2319.2
-57.5°	285.8	403.7	546.7	698.7	865.9	1033.2	1214.6	1390.2	1580.4	1767.3	1948.1
-60°	208.9	294.4	403.7	533.1	665.2	815.4	961.2	1117.3	1273.0	1423.0	1586.9
-62.5°	139.5	208.9	285.8	376.7	492.4	604.8	731.9	860.8	984.8	1119.0	1249.1
-65°	110.3	136.4	192.0	260.4	327.0	425.1	524.0	619.4	728.7	836.3	938.8
-67.5°	80.6	104.2	127.2	158.3	218.2	276.4	332.6	417.6	499.9	578.6	658.3
-70°	67.4	74.3	92.0	111.9	131.4	159.8	209.8	257.9	304.1	356.5	422.9
-72.5°	57.4	63.4	69.3	75.1	90.8	107.3	123.2	138.5	168.1	206.6	243.2
-75°	48.2	52.5	57.5	62.4	67.2	71.9	77.6	90.8	103.3	115.3	126.7
-77.5°	39.7	43.3	46.8	50.2	53.6	57.5	61.2	64.8	68.3	71.6	74.7
-80°	31.8	34.0	36.8	39.5	42.2	44.7	47.2	49.6	51.9	54.3	56.8
-82.5°	25.3	27.0	28.5	30.1	31.6	33.0	34.5	36.3	38.0	39.7	41.2
-85°	18.4	19.9	20.9	22.0	23.0	23.9	24.9	25.8	26.6	27.4	28.2
-87.5°	9.2	9.9	10.7	11.4	12.1	12.8	13.4	14.1	14.7	15.2	15.8
-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: P699927 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-3S-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°	16.3	16.8	17.2	17.7	18.0	18.4	18.7	19.0	19.2	19.4	19.6
85°	29.0	29.6	30.3	30.9	31.4	31.9	32.4	32.8	33.1	33.4	33.7
82.5°	42.7	44.1	45.4	46.6	47.7	48.7	49.6	50.4	51.1	51.6	52.1
80°	59.2	61.4	63.4	65.4	67.1	68.7	70.2	71.5	72.6	73.5	74.3
77.5°	81.6	90.0	97.9	105.2	111.9	118.1	123.6	128.5	132.8	136.4	139.4
75°	137.5	152.9	178.9	203.1	225.4	245.7	264.0	280.2	294.4	306.4	316.3
72.5°	277.9	310.5	345.2	390.1	431.3	469.0	502.9	533.1	559.3	581.7	600.0
70°	485.8	545.0	600.4	656.3	714.5	767.6	815.4	858.0	895.1	926.6	952.6
67.5°	745.4	827.5	904.4	975.9	1048.2	1117.3	1179.7	1235.1	1283.4	1324.6	1358.4
65°	1041.6	1147.0	1245.7	1337.6	1423.0	1512.0	1592.4	1663.9	1726.3	1779.5	1823.2
62.5°	1372.7	1499.8	1625.6	1742.8	1851.0	1952.3	2045.9	2129.3	2202.1	2264.1	2315.1
60°	1742.8	1890.1	2034.5	2169.7	2294.6	2409.3	2526.7	2631.3	2722.8	2800.7	2864.8
57.5°	2126.1	2294.6	2459.4	2627.3	2782.8	2925.2	3065.9	3198.9	3315.2	3414.5	3496.3
55°	2526.7	2734.6	2930.3	3134.1	3330.3	3510.2	3673.2	3818.4	3945.5	4054.0	4143.5
52.5°	2959.6	3216.4	3461.7	3691.1	3903.5	4098.7	4275.9	4429.0	4562.2	4676.1	4770.0
50°	3449.8	3729.7	3993.6	4241.0	4464.3	4667.5	4852.2	5029.3	5196.2	5339.0	5456.9
47.5°	3934.2	4234.1	4509.4	4765.4	5013.5	5266.3	5496.4	5780.7	6384.2	6901.3	7328.8
45°	4404.7	4713.0	5015.2	5331.7	5627.0	6436.5	7264.4	8007.9	8554.5	9008.5	9384.4
42.5°	4850.7	5216.0	5575.7	6487.4	7543.6	8440.2	9162.3	9812.2	10242.7	10517.2	10744.8
40°	5338.0	5908.6	7186.3	8337.9	9253.4	10085.3	10518.8	10909.9	11273.5	11624.8	11916.6
37.5°	6186.6	7611.5	8804.8	9847.6	10489.1	10997.2	11519.1	12017.1	12463.2	12978.5	13407.7
35°	7754.3	9040.9	10144.7	10763.8	11381.9	12024.5	12677.1	13403.8	14050.2	14791.7	15460.6
32.5°	9040.9	10212.5	10902.9	11634.2	12369.2	13273.1	14134.5	15234.0	16236.3	17319.1	18411.8
30°	10144.7	10902.9	11719.0	12578.6	13637.9	14826.8	16152.0	17703.9	19331.5	20919.2	22707.2
27.5°	10763.8	11634.2	12578.6	13760.8	15190.5	16732.6	18865.2	21029.7	23674.4	25994.2	30549.3
25°	11381.9	12369.2	13637.9	15190.5	17017.4	19457.0	22409.0	25579.4	31713.4	37625.9	46276.4
22.5°	12024.5	13273.1	14826.8	16732.6	19457.0	22875.4	27285.7	35269.0	46091.0	59066.1	72729.5
20°	12677.1	14134.5	16152.0	18865.2	22409.0	27285.7	36474.9	51171.4	68044.7	89516.4	109322.9
17.5°	13403.8	15234.0	17703.9	21029.7	25579.4	35269.0	51171.4	72148.8	98219.5	127889.8	155695.1
15°	14050.2	16236.3	19331.5	23674.4	31713.4	46091.0	68044.7	98219.5	134258.2	171338.5	207635.3
12.5°	14791.7	17319.1	20919.2	25994.2	37625.9	59066.1	89516.4	127889.8	171338.5	216451.1	259463.3
10°	15460.6	18411.8	22707.2	30549.3	46276.4	72729.5	109322.9	155695.1	207635.3	259463.3	310465.7
7.5°	15989.8	19278.4	24130.2	34200.9	54360.6	86264.4	129699.8	182211.7	239200.5	297689.2	357099.2
5°	16372.6	19906.9	25165.0	36865.6	60286.1	96242.7	144838.6	202327.0	263774.8	329267.5	395852.3
2.5°	16604.4	20288.0	25793.6	38488.2	63906.0	102364.4	154180.2	214841.3	279247.5	349420.8	424121.7
0°	16682.0	20415.7	26004.5	39033.2	65123.8	104428.5	157339.9	219093.3	284540.6	356438.5	434280.7
-2.5°	16604.4	20288.0	25793.6	38488.2	63906.0	102364.4	154180.2	214841.3	279247.5	349420.8	424121.7
-5°	16372.6	19906.9	25165.0	36865.6	60286.1	96242.7	144838.6	202327.0	263774.8	329267.5	395852.3
-7.5°	15989.8	19278.4	24130.2	34200.9	54360.6	86264.4	129699.8	182211.7	239200.5	297689.2	357099.2
-10°	15460.6	18411.8	22707.2	30549.3	46276.4	72729.5	109322.9	155695.1	207635.3	259463.3	310465.7
-12.5°	14791.7	17319.1	20919.2	25994.2	37625.9	59066.1	89516.4	127889.8	171338.5	216451.1	259463.3
-15°	14050.2	16236.3	19331.5	23674.4	31713.4	46091.0	68044.7	98219.5	134258.2	171338.5	207635.3
-17.5°	13403.8	15234.0	17703.9	21029.7	25579.4	35269.0	51171.4	72148.8	98219.5	127889.8	155695.1
-20°	12677.1	14134.5	16152.0	18865.2	22409.0	27285.7	36474.9	51171.4	68044.7	89516.4	109322.9



REPORT NUMBER: P699927 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-3S-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	12024.5	13273.1	14826.8	16732.6	19457.0	22875.4	27285.7	35269.0	46091.0	59066.1	72729.5
-25°	11381.9	12369.2	13637.9	15190.5	17017.4	19457.0	22409.0	25579.4	31713.4	37625.9	46276.4
-27.5°	10763.8	11634.2	12578.6	13760.8	15190.5	16732.6	18865.2	21029.7	23674.4	25994.2	30549.3
-30°	10144.7	10902.9	11719.0	12578.6	13637.9	14826.8	16152.0	17703.9	19331.5	20919.2	22707.2
-32.5°	9040.9	10212.5	10902.9	11634.2	12369.2	13273.1	14134.5	15234.0	16236.3	17319.1	18411.8
-35°	7754.3	9040.9	10144.7	10763.8	11381.9	12024.5	12677.1	13403.8	14050.2	14791.7	15460.6
-37.5°	6186.6	7611.5	8804.8	9847.6	10489.1	10997.2	11519.1	12017.1	12463.2	12978.5	13407.7
-40°	5338.0	5908.6	7186.3	8337.9	9253.4	10085.3	10518.8	10909.9	11273.5	11624.8	11916.6
-42.5°	4850.7	5216.0	5575.7	6487.4	7543.6	8440.2	9162.3	9812.2	10242.7	10517.2	10744.8
-45°	4404.7	4713.0	5015.2	5331.7	5627.0	6436.5	7264.4	8007.9	8554.5	9008.5	9384.4
-47.5°	3934.2	4234.1	4509.4	4765.4	5013.5	5266.3	5496.4	5780.7	6384.2	6901.3	7328.8
-50°	3449.8	3729.7	3993.6	4241.0	4464.3	4667.5	4852.2	5029.3	5196.2	5339.0	5456.9
-52.5°	2959.6	3216.4	3461.7	3691.1	3903.5	4098.7	4275.9	4429.0	4562.2	4676.1	4770.0
-55°	2526.7	2734.6	2930.3	3134.1	3330.3	3510.2	3673.2	3818.4	3945.5	4054.0	4143.5
-57.5°	2126.1	2294.6	2459.4	2627.3	2782.8	2925.2	3065.9	3198.9	3315.2	3414.5	3496.3
-60°	1742.8	1890.1	2034.5	2169.7	2294.6	2409.3	2526.7	2631.3	2722.8	2800.7	2864.8
-62.5°	1372.7	1499.8	1625.6	1742.8	1851.0	1952.3	2045.9	2129.3	2202.1	2264.1	2315.1
-65°	1041.6	1147.0	1245.7	1337.6	1423.0	1512.0	1592.4	1663.9	1726.3	1779.5	1823.2
-67.5°	745.4	827.5	904.4	975.9	1048.2	1117.3	1179.7	1235.1	1283.4	1324.6	1358.4
-70°	485.8	545.0	600.4	656.3	714.5	767.6	815.4	858.0	895.1	926.6	952.6
-72.5°	277.9	310.5	345.2	390.1	431.3	469.0	502.9	533.1	559.3	581.7	600.0
-75°	137.5	152.9	178.9	203.1	225.4	245.7	264.0	280.2	294.4	306.4	316.3
-77.5°	81.6	90.0	97.9	105.2	111.9	118.1	123.6	128.5	132.8	136.4	139.4
-80°	59.2	61.4	63.4	65.4	67.1	68.7	70.2	71.5	72.6	73.5	74.3
-82.5°	42.7	44.1	45.4	46.6	47.7	48.7	49.6	50.4	51.1	51.6	52.1
-85°	29.0	29.6	30.3	30.9	31.4	31.9	32.4	32.8	33.1	33.4	33.7
-87.5°	16.3	16.8	17.2	17.7	18.0	18.4	18.7	19.0	19.2	19.4	19.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P699927 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-3S-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°	19.7	19.8	19.9	19.9	19.9	19.8	19.7	19.6	19.4	19.2	19.0
85°	33.9	34.0	34.1	34.1	34.1	34.0	33.9	33.7	33.4	33.1	32.8
82.5°	52.5	52.8	52.9	53.0	52.9	52.8	52.5	52.1	51.6	51.1	50.4
80°	74.9	75.4	75.6	75.7	75.6	75.4	74.9	74.3	73.5	72.6	71.5
77.5°	141.7	143.4	144.4	144.7	144.4	143.4	141.7	139.4	136.4	132.8	128.5
75°	324.0	329.5	332.8	333.9	332.8	329.5	324.0	316.3	306.4	294.4	280.2
72.5°	614.3	624.6	630.7	632.8	630.7	624.6	614.3	600.0	581.7	559.3	533.1
70°	972.8	987.3	996.0	998.9	996.0	987.3	972.8	952.6	926.6	895.1	858.0
67.5°	1384.8	1403.7	1415.1	1418.9	1415.1	1403.7	1384.8	1358.4	1324.6	1283.4	1235.1
65°	1857.3	1881.8	1896.5	1901.4	1896.5	1881.8	1857.3	1823.2	1779.5	1726.3	1663.9
62.5°	2355.0	2383.6	2400.8	2406.5	2400.8	2383.6	2355.0	2315.1	2264.1	2202.1	2129.3
60°	2915.0	2951.0	2972.6	2979.8	2972.6	2951.0	2915.0	2864.8	2800.7	2722.8	2631.3
57.5°	3560.2	3606.1	3633.7	3642.9	3633.7	3606.1	3560.2	3496.3	3414.5	3315.2	3198.9
55°	4213.5	4263.8	4294.0	4304.1	4294.0	4263.8	4213.5	4143.5	4054.0	3945.5	3818.4
52.5°	4843.6	4896.5	4928.3	4938.9	4928.3	4896.5	4843.6	4770.0	4676.1	4562.2	4429.0
50°	5549.3	5615.7	5655.7	5669.1	5655.7	5615.7	5549.3	5456.9	5339.0	5196.2	5029.3
47.5°	7664.2	7905.4	8050.7	8099.3	8050.7	7905.4	7664.2	7328.8	6901.3	6384.2	5780.7
45°	9679.7	9892.2	10020.3	10063.1	10020.3	9892.2	9679.7	9384.4	9008.5	8554.5	8007.9
42.5°	10923.9	11052.9	11130.7	11156.7	11130.7	11052.9	10923.9	10744.8	10517.2	10242.7	9812.2
40°	12146.5	12312.4	12412.5	12446.0	12412.5	12312.4	12146.5	11916.6	11624.8	11273.5	10909.9
37.5°	13746.4	13991.1	14139.0	14188.5	14139.0	13991.1	13746.4	13407.7	12978.5	12463.2	12017.1
35°	15989.8	16372.6	16604.4	16682.0	16604.4	16372.6	15989.8	15460.6	14791.7	14050.2	13403.8
32.5°	19278.4	19906.9	20288.0	20415.7	20288.0	19906.9	19278.4	18411.8	17319.1	16236.3	15234.0
30°	24130.2	25165.0	25793.6	26004.5	25793.6	25165.0	24130.2	22707.2	20919.2	19331.5	17703.9
27.5°	34200.9	36865.6	38488.2	39033.2	38488.2	36865.6	34200.9	30549.3	25994.2	23674.4	21029.7
25°	54360.6	60286.1	63906.0	65123.8	63906.0	60286.1	54360.6	46276.4	37625.9	31713.4	25579.4
22.5°	86264.4	96242.7	102364.4	104428.5	102364.4	96242.7	86264.4	72729.5	59066.1	46091.0	35269.0
20°	129699.8	144838.6	154180.2	157339.9	154180.2	144838.6	129699.8	109322.9	89516.4	68044.7	51171.4
17.5°	182211.7	202327.0	214841.3	219093.3	214841.3	202327.0	182211.7	155695.1	127889.8	98219.5	72148.8
15°	239200.5	263774.8	279247.5	284540.6	279247.5	263774.8	239200.5	207635.3	171338.5	134258.2	98219.5
12.5°	297689.2	329267.5	349420.8	356438.5	349420.8	329267.5	297689.2	259463.3	216451.1	171338.5	127889.8
10°	357099.2	395852.3	424121.7	434280.7	424121.7	395852.3	357099.2	310465.7	259463.3	207635.3	155695.1
7.5°	414561.1	468298.5	500346.1	509567.9	500346.1	468298.5	414561.1	357099.2	297689.2	239200.5	182211.7
5°	468298.5	519475.2	549829.5	561491.8	549829.5	519475.2	468298.5	395852.3	329267.5	263774.8	202327.0
2.5°	500346.1	549829.5	590455.6	609390.6	590455.6	549829.5	500346.1	424121.7	349420.8	279247.5	214841.3
0°	509567.9	561491.8	609390.6	632917.6	609390.6	561491.8	509567.9	434280.7	356438.5	284540.6	219093.3
-2.5°	500346.1	549829.5	590455.6	609390.6	590455.6	549829.5	500346.1	424121.7	349420.8	279247.5	214841.3
-5°	468298.5	519475.2	549829.5	561491.8	549829.5	519475.2	468298.5	395852.3	329267.5	263774.8	202327.0
-7.5°	414561.1	468298.5	500346.1	509567.9	500346.1	468298.5	414561.1	357099.2	297689.2	239200.5	182211.7
-10°	357099.2	395852.3	424121.7	434280.7	424121.7	395852.3	357099.2	310465.7	259463.3	207635.3	155695.1
-12.5°	297689.2	329267.5	349420.8	356438.5	349420.8	329267.5	297689.2	259463.3	216451.1	171338.5	127889.8
-15°	239200.5	263774.8	279247.5	284540.6	279247.5	263774.8	239200.5	207635.3	171338.5	134258.2	98219.5
-17.5°	182211.7	202327.0	214841.3	219093.3	214841.3	202327.0	182211.7	155695.1	127889.8	98219.5	72148.8
-20°	129699.8	144838.6	154180.2	157339.9	154180.2	144838.6	129699.8	109322.9	89516.4	68044.7	51171.4



REPORT NUMBER: P699927 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-3S-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	86264.4	96242.7	102364.4	104428.5	102364.4	96242.7	86264.4	72729.5	59066.1	46091.0	35269.0
-25°	54360.6	60286.1	63906.0	65123.8	63906.0	60286.1	54360.6	46276.4	37625.9	31713.4	25579.4
-27.5°	34200.9	36865.6	38488.2	39033.2	38488.2	36865.6	34200.9	30549.3	25994.2	23674.4	21029.7
-30°	24130.2	25165.0	25793.6	26004.5	25793.6	25165.0	24130.2	22707.2	20919.2	19331.5	17703.9
-32.5°	19278.4	19906.9	20288.0	20415.7	20288.0	19906.9	19278.4	18411.8	17319.1	16236.3	15234.0
-35°	15989.8	16372.6	16604.4	16682.0	16604.4	16372.6	15989.8	15460.6	14791.7	14050.2	13403.8
-37.5°	13746.4	13991.1	14139.0	14188.5	14139.0	13991.1	13746.4	13407.7	12978.5	12463.2	12017.1
-40°	12146.5	12312.4	12412.5	12446.0	12412.5	12312.4	12146.5	11916.6	11624.8	11273.5	10909.9
-42.5°	10923.9	11052.9	11130.7	11156.7	11130.7	11052.9	10923.9	10744.8	10517.2	10242.7	9812.2
-45°	9679.7	9892.2	10020.3	10063.1	10020.3	9892.2	9679.7	9384.4	9008.5	8554.5	8007.9
-47.5°	7664.2	7905.4	8050.7	8099.3	8050.7	7905.4	7664.2	7328.8	6901.3	6384.2	5780.7
-50°	5549.3	5615.7	5655.7	5669.1	5655.7	5615.7	5549.3	5456.9	5339.0	5196.2	5029.3
-52.5°	4843.6	4896.5	4928.3	4938.9	4928.3	4896.5	4843.6	4770.0	4676.1	4562.2	4429.0
-55°	4213.5	4263.8	4294.0	4304.1	4294.0	4263.8	4213.5	4143.5	4054.0	3945.5	3818.4
-57.5°	3560.2	3606.1	3633.7	3642.9	3633.7	3606.1	3560.2	3496.3	3414.5	3315.2	3198.9
-60°	2915.0	2951.0	2972.6	2979.8	2972.6	2951.0	2915.0	2864.8	2800.7	2722.8	2631.3
-62.5°	2355.0	2383.6	2400.8	2406.5	2400.8	2383.6	2355.0	2315.1	2264.1	2202.1	2129.3
-65°	1857.3	1881.8	1896.5	1901.4	1896.5	1881.8	1857.3	1823.2	1779.5	1726.3	1663.9
-67.5°	1384.8	1403.7	1415.1	1418.9	1415.1	1403.7	1384.8	1358.4	1324.6	1283.4	1235.1
-70°	972.8	987.3	996.0	998.9	996.0	987.3	972.8	952.6	926.6	895.1	858.0
-72.5°	614.3	624.6	630.7	632.8	630.7	624.6	614.3	600.0	581.7	559.3	533.1
-75°	324.0	329.5	332.8	333.9	332.8	329.5	324.0	316.3	306.4	294.4	280.2
-77.5°	141.7	143.4	144.4	144.7	144.4	143.4	141.7	139.4	136.4	132.8	128.5
-80°	74.9	75.4	75.6	75.7	75.6	75.4	74.9	74.3	73.5	72.6	71.5
-82.5°	52.5	52.8	52.9	53.0	52.9	52.8	52.5	52.1	51.6	51.1	50.4
-85°	33.9	34.0	34.1	34.1	34.1	34.0	33.9	33.7	33.4	33.1	32.8
-87.5°	19.7	19.8	19.9	19.9	19.9	19.8	19.7	19.6	19.4	19.2	19.0
-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: P699927 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-3S-S

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°	18.7	18.4	18.0	17.7	17.2	16.8	16.3	15.8	15.2	14.7	14.1
85°	32.4	31.9	31.4	30.9	30.3	29.6	29.0	28.2	27.4	26.6	25.8
82.5°	49.6	48.7	47.7	46.6	45.4	44.1	42.7	41.2	39.7	38.0	36.3
80°	70.2	68.7	67.1	65.4	63.4	61.4	59.2	56.8	54.3	51.9	49.6
77.5°	123.6	118.1	111.9	105.2	97.9	90.0	81.6	74.7	71.6	68.3	64.8
75°	264.0	245.7	225.4	203.1	178.9	152.9	137.5	126.7	115.3	103.3	90.8
72.5°	502.9	469.0	431.3	390.1	345.2	310.5	277.9	243.2	206.6	168.1	138.5
70°	815.4	767.6	714.5	656.3	600.4	545.0	485.8	422.9	356.5	304.1	257.9
67.5°	1179.7	1117.3	1048.2	975.9	904.4	827.5	745.4	658.3	578.6	499.9	417.6
65°	1592.4	1512.0	1423.0	1337.6	1245.7	1147.0	1041.6	938.8	836.3	728.7	619.4
62.5°	2045.9	1952.3	1851.0	1742.8	1625.6	1499.8	1372.7	1249.1	1119.0	984.8	860.8
60°	2526.7	2409.3	2294.6	2169.7	2034.5	1890.1	1742.8	1586.9	1423.0	1273.0	1117.3
57.5°	3065.9	2925.2	2782.8	2627.3	2459.4	2294.6	2126.1	1948.1	1767.3	1580.4	1390.2
55°	3673.2	3510.2	3330.3	3134.1	2930.3	2734.6	2526.7	2319.2	2116.5	1904.8	1694.4
52.5°	4275.9	4098.7	3903.5	3691.1	3461.7	3216.4	2959.6	2722.8	2474.6	2238.5	2001.8
50°	4852.2	4667.5	4464.3	4241.0	3993.6	3729.7	3449.8	3155.1	2864.8	2587.3	2312.4
47.5°	5496.4	5266.3	5013.5	4765.4	4509.4	4234.1	3934.2	3619.2	3289.3	2951.0	2644.1
45°	7264.4	6436.5	5627.0	5331.7	5015.2	4713.0	4404.7	4072.4	3721.6	3356.9	2979.8
42.5°	9162.3	8440.2	7543.6	6487.4	5575.7	5216.0	4850.7	4506.6	4142.1	3756.0	3356.9
40°	10518.8	10085.3	9253.4	8337.9	7186.3	5908.6	5338.0	4920.3	4540.7	4142.1	3721.6
37.5°	11519.1	10997.2	10489.1	9847.6	8804.8	7611.5	6186.6	5378.9	4920.3	4506.6	4072.4
35°	12677.1	12024.5	11381.9	10763.8	10144.7	9040.9	7754.3	6186.6	5338.0	4850.7	4404.7
32.5°	14134.5	13273.1	12369.2	11634.2	10902.9	10212.5	9040.9	7611.5	5908.6	5216.0	4713.0
30°	16152.0	14826.8	13637.9	12578.6	11719.0	10902.9	10144.7	8804.8	7186.3	5575.7	5015.2
27.5°	18865.2	16732.6	15190.5	13760.8	12578.6	11634.2	10763.8	9847.6	8337.9	6487.4	5331.7
25°	22409.0	19457.0	17017.4	15190.5	13637.9	12369.2	11381.9	10489.1	9253.4	7543.6	5627.0
22.5°	27285.7	22875.4	19457.0	16732.6	14826.8	13273.1	12024.5	10997.2	10085.3	8440.2	6436.5
20°	36474.9	27285.7	22409.0	18865.2	16152.0	14134.5	12677.1	11519.1	10518.8	9162.3	7264.4
17.5°	51171.4	35269.0	25579.4	21029.7	17703.9	15234.0	13403.8	12017.1	10909.9	9812.2	8007.9
15°	68044.7	46091.0	31713.4	23674.4	19331.5	16236.3	14050.2	12463.2	11273.5	10242.7	8554.5
12.5°	89516.4	59066.1	37625.9	25994.2	20919.2	17319.1	14791.7	12978.5	11624.8	10517.2	9008.5
10°	109322.9	72729.5	46276.4	30549.3	22707.2	18411.8	15460.6	13407.7	11916.6	10744.8	9384.4
7.5°	129699.8	86264.4	54360.6	34200.9	24130.2	19278.4	15989.8	13746.4	12146.5	10923.9	9679.7
5°	144838.6	96242.7	60286.1	36865.6	25165.0	19906.9	16372.6	13991.1	12312.4	11052.9	9892.2
2.5°	154180.2	102364.4	63906.0	38488.2	25793.6	20288.0	16604.4	14139.0	12412.5	11130.7	10020.3
0°	157339.9	104428.5	65123.8	39033.2	26004.5	20415.7	16682.0	14188.5	12446.0	11156.7	10063.1
-2.5°	154180.2	102364.4	63906.0	38488.2	25793.6	20288.0	16604.4	14139.0	12412.5	11130.7	10020.3
-5°	144838.6	96242.7	60286.1	36865.6	25165.0	19906.9	16372.6	13991.1	12312.4	11052.9	9892.2
-7.5°	129699.8	86264.4	54360.6	34200.9	24130.2	19278.4	15989.8	13746.4	12146.5	10923.9	9679.7
-10°	109322.9	72729.5	46276.4	30549.3	22707.2	18411.8	15460.6	13407.7	11916.6	10744.8	9384.4
-12.5°	89516.4	59066.1	37625.9	25994.2	20919.2	17319.1	14791.7	12978.5	11624.8	10517.2	9008.5
-15°	68044.7	46091.0	31713.4	23674.4	19331.5	16236.3	14050.2	12463.2	11273.5	10242.7	8554.5
-17.5°	51171.4	35269.0	25579.4	21029.7	17703.9	15234.0	13403.8	12017.1	10909.9	9812.2	8007.9
-20°	36474.9	27285.7	22409.0	18865.2	16152.0	14134.5	12677.1	11519.1	10518.8	9162.3	7264.4



REPORT NUMBER: P699927 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-3S-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	27285.7	22875.4	19457.0	16732.6	14826.8	13273.1	12024.5	10997.2	10085.3	8440.2	6436.5
-25°	22409.0	19457.0	17017.4	15190.5	13637.9	12369.2	11381.9	10489.1	9253.4	7543.6	5627.0
-27.5°	18865.2	16732.6	15190.5	13760.8	12578.6	11634.2	10763.8	9847.6	8337.9	6487.4	5331.7
-30°	16152.0	14826.8	13637.9	12578.6	11719.0	10902.9	10144.7	8804.8	7186.3	5575.7	5015.2
-32.5°	14134.5	13273.1	12369.2	11634.2	10902.9	10212.5	9040.9	7611.5	5908.6	5216.0	4713.0
-35°	12677.1	12024.5	11381.9	10763.8	10144.7	9040.9	7754.3	6186.6	5338.0	4850.7	4404.7
-37.5°	11519.1	10997.2	10489.1	9847.6	8804.8	7611.5	6186.6	5378.9	4920.3	4506.6	4072.4
-40°	10518.8	10085.3	9253.4	8337.9	7186.3	5908.6	5338.0	4920.3	4540.7	4142.1	3721.6
-42.5°	9162.3	8440.2	7543.6	6487.4	5575.7	5216.0	4850.7	4506.6	4142.1	3756.0	3356.9
-45°	7264.4	6436.5	5627.0	5331.7	5015.2	4713.0	4404.7	4072.4	3721.6	3356.9	2979.8
-47.5°	5496.4	5266.3	5013.5	4765.4	4509.4	4234.1	3934.2	3619.2	3289.3	2951.0	2644.1
-50°	4852.2	4667.5	4464.3	4241.0	3993.6	3729.7	3449.8	3155.1	2864.8	2587.3	2312.4
-52.5°	4275.9	4098.7	3903.5	3691.1	3461.7	3216.4	2959.6	2722.8	2474.6	2238.5	2001.8
-55°	3673.2	3510.2	3330.3	3134.1	2930.3	2734.6	2526.7	2319.2	2116.5	1904.8	1694.4
-57.5°	3065.9	2925.2	2782.8	2627.3	2459.4	2294.6	2126.1	1948.1	1767.3	1580.4	1390.2
-60°	2526.7	2409.3	2294.6	2169.7	2034.5	1890.1	1742.8	1586.9	1423.0	1273.0	1117.3
-62.5°	2045.9	1952.3	1851.0	1742.8	1625.6	1499.8	1372.7	1249.1	1119.0	984.8	860.8
-65°	1592.4	1512.0	1423.0	1337.6	1245.7	1147.0	1041.6	938.8	836.3	728.7	619.4
-67.5°	1179.7	1117.3	1048.2	975.9	904.4	827.5	745.4	658.3	578.6	499.9	417.6
-70°	815.4	767.6	714.5	656.3	600.4	545.0	485.8	422.9	356.5	304.1	257.9
-72.5°	502.9	469.0	431.3	390.1	345.2	310.5	277.9	243.2	206.6	168.1	138.5
-75°	264.0	245.7	225.4	203.1	178.9	152.9	137.5	126.7	115.3	103.3	90.8
-77.5°	123.6	118.1	111.9	105.2	97.9	90.0	81.6	74.7	71.6	68.3	64.8
-80°	70.2	68.7	67.1	65.4	63.4	61.4	59.2	56.8	54.3	51.9	49.6
-82.5°	49.6	48.7	47.7	46.6	45.4	44.1	42.7	41.2	39.7	38.0	36.3
-85°	32.4	31.9	31.4	30.9	30.3	29.6	29.0	28.2	27.4	26.6	25.8
-87.5°	18.7	18.4	18.0	17.7	17.2	16.8	16.3	15.8	15.2	14.7	14.1
-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: P699927 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-80-3S-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°	13.4	12.8	12.1	11.4	10.7	9.9	9.2	8.4	7.6	6.8	6.0
85°	24.9	23.9	23.0	22.0	20.9	19.9	18.4	16.8	15.2	13.6	12.0
82.5°	34.5	33.0	31.6	30.1	28.5	27.0	25.3	23.7	22.0	20.2	17.9
80°	47.2	44.7	42.2	39.5	36.8	34.0	31.8	29.6	27.3	25.0	22.7
77.5°	61.2	57.5	53.6	50.2	46.8	43.3	39.7	36.0	32.7	29.8	26.9
75°	77.6	71.9	67.2	62.4	57.5	52.5	48.2	43.8	39.3	34.7	31.1
72.5°	123.2	107.3	90.8	75.1	69.3	63.4	57.4	51.5	46.3	40.9	35.5
70°	209.8	159.8	131.4	111.9	92.0	74.3	67.4	60.4	53.2	47.1	40.9
67.5°	332.6	276.4	218.2	158.3	127.2	104.2	80.6	69.4	61.4	53.2	46.3
65°	524.0	425.1	327.0	260.4	192.0	136.4	110.3	83.7	69.4	60.4	51.5
62.5°	731.9	604.8	492.4	376.7	285.8	208.9	139.5	110.3	80.6	67.4	57.4
60°	961.2	815.4	665.2	533.1	403.7	294.4	208.9	136.4	104.2	74.3	63.4
57.5°	1214.6	1033.2	865.9	698.7	546.7	403.7	285.8	192.0	127.2	92.0	69.3
55°	1476.6	1273.5	1072.3	882.8	698.7	533.1	376.7	260.4	158.3	111.9	75.1
52.5°	1763.4	1522.3	1293.2	1072.3	865.9	665.2	492.4	327.0	218.2	131.4	90.8
50°	2050.6	1786.5	1522.3	1273.5	1033.2	815.4	604.8	425.1	276.4	159.8	107.3
47.5°	2337.1	2050.6	1763.4	1476.6	1214.6	961.2	731.9	524.0	332.6	209.8	123.2
45°	2644.1	2312.4	2001.8	1694.4	1390.2	1117.3	860.8	619.4	417.6	257.9	138.5
42.5°	2951.0	2587.3	2238.5	1904.8	1580.4	1273.0	984.8	728.7	499.9	304.1	168.1
40°	3289.3	2864.8	2474.6	2116.5	1767.3	1423.0	1119.0	836.3	578.6	356.5	206.6
37.5°	3619.2	3155.1	2722.8	2319.2	1948.1	1586.9	1249.1	938.8	658.3	422.9	243.2
35°	3934.2	3449.8	2959.6	2526.7	2126.1	1742.8	1372.7	1041.6	745.4	485.8	277.9
32.5°	4234.1	3729.7	3216.4	2734.6	2294.6	1890.1	1499.8	1147.0	827.5	545.0	310.5
30°	4509.4	3993.6	3461.7	2930.3	2459.4	2034.5	1625.6	1245.7	904.4	600.4	345.2
27.5°	4765.4	4241.0	3691.1	3134.1	2627.3	2169.7	1742.8	1337.6	975.9	656.3	390.1
25°	5013.5	4464.3	3903.5	3330.3	2782.8	2294.6	1851.0	1423.0	1048.2	714.5	431.3
22.5°	5266.3	4667.5	4098.7	3510.2	2925.2	2409.3	1952.3	1512.0	1117.3	767.6	469.0
20°	5496.4	4852.2	4275.9	3673.2	3065.9	2526.7	2045.9	1592.4	1179.7	815.4	502.9
17.5°	5780.7	5029.3	4429.0	3818.4	3198.9	2631.3	2129.3	1663.9	1235.1	858.0	533.1
15°	6384.2	5196.2	4562.2	3945.5	3315.2	2722.8	2202.1	1726.3	1283.4	895.1	559.3
12.5°	6901.3	5339.0	4676.1	4054.0	3414.5	2800.7	2264.1	1779.5	1324.6	926.6	581.7
10°	7328.8	5456.9	4770.0	4143.5	3496.3	2864.8	2315.1	1823.2	1358.4	952.6	600.0
7.5°	7664.2	5549.3	4843.6	4213.5	3560.2	2915.0	2355.0	1857.3	1384.8	972.8	614.3
5°	7905.4	5615.7	4896.5	4263.8	3606.1	2951.0	2383.6	1881.8	1403.7	987.3	624.6
2.5°	8050.7	5655.7	4928.3	4294.0	3633.7	2972.6	2400.8	1896.5	1415.1	996.0	630.7
0°	8099.3	5669.1	4938.9	4304.1	3642.9	2979.8	2406.5	1901.4	1418.9	998.9	632.8
-2.5°	8050.7	5655.7	4928.3	4294.0	3633.7	2972.6	2400.8	1896.5	1415.1	996.0	630.7
-5°	7905.4	5615.7	4896.5	4263.8	3606.1	2951.0	2383.6	1881.8	1403.7	987.3	624.6
-7.5°	7664.2	5549.3	4843.6	4213.5	3560.2	2915.0	2355.0	1857.3	1384.8	972.8	614.3
-10°	7328.8	5456.9	4770.0	4143.5	3496.3	2864.8	2315.1	1823.2	1358.4	952.6	600.0
-12.5°	6901.3	5339.0	4676.1	4054.0	3414.5	2800.7	2264.1	1779.5	1324.6	926.6	581.7
-15°	6384.2	5196.2	4562.2	3945.5	3315.2	2722.8	2202.1	1726.3	1283.4	895.1	559.3
-17.5°	5780.7	5029.3	4429.0	3818.4	3198.9	2631.3	2129.3	1663.9	1235.1	858.0	533.1
-20°	5496.4	4852.2	4275.9	3673.2	3065.9	2526.7	2045.9	1592.4	1179.7	815.4	502.9



REPORT NUMBER: P699927 (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°	5266.3	4667.5	4098.7	3510.2	2925.2	2409.3	1952.3	1512.0	1117.3	767.6	469.0
-25°	5013.5	4464.3	3903.5	3330.3	2782.8	2294.6	1851.0	1423.0	1048.2	714.5	431.3
-27.5°	4765.4	4241.0	3691.1	3134.1	2627.3	2169.7	1742.8	1337.6	975.9	656.3	390.1
-30°	4509.4	3993.6	3461.7	2930.3	2459.4	2034.5	1625.6	1245.7	904.4	600.4	345.2
-32.5°	4234.1	3729.7	3216.4	2734.6	2294.6	1890.1	1499.8	1147.0	827.5	545.0	310.5
-35°	3934.2	3449.8	2959.6	2526.7	2126.1	1742.8	1372.7	1041.6	745.4	485.8	277.9
-37.5°	3619.2	3155.1	2722.8	2319.2	1948.1	1586.9	1249.1	938.8	658.3	422.9	243.2
-40°	3289.3	2864.8	2474.6	2116.5	1767.3	1423.0	1119.0	836.3	578.6	356.5	206.6
-42.5°	2951.0	2587.3	2238.5	1904.8	1580.4	1273.0	984.8	728.7	499.9	304.1	168.1
-45°	2644.1	2312.4	2001.8	1694.4	1390.2	1117.3	860.8	619.4	417.6	257.9	138.5
-47.5°	2337.1	2050.6	1763.4	1476.6	1214.6	961.2	731.9	524.0	332.6	209.8	123.2
-50°	2050.6	1786.5	1522.3	1273.5	1033.2	815.4	604.8	425.1	276.4	159.8	107.3
-52.5°	1763.4	1522.3	1293.2	1072.3	865.9	665.2	492.4	327.0	218.2	131.4	90.8
-55°	1476.6	1273.5	1072.3	882.8	698.7	533.1	376.7	260.4	158.3	111.9	75.1
-57.5°	1214.6	1033.2	865.9	698.7	546.7	403.7	285.8	192.0	127.2	92.0	69.3
-60°	961.2	815.4	665.2	533.1	403.7	294.4	208.9	136.4	104.2	74.3	63.4
-62.5°	731.9	604.8	492.4	376.7	285.8	208.9	139.5	110.3	80.6	67.4	57.4
-65°	524.0	425.1	327.0	260.4	192.0	136.4	110.3	83.7	69.4	60.4	51.5
-67.5°	332.6	276.4	218.2	158.3	127.2	104.2	80.6	69.4	61.4	53.2	46.3
-70°	209.8	159.8	131.4	111.9	92.0	74.3	67.4	60.4	53.2	47.1	40.9
-72.5°	123.2	107.3	90.8	75.1	69.3	63.4	57.4	51.5	46.3	40.9	35.5
-75°	77.6	71.9	67.2	62.4	57.5	52.5	48.2	43.8	39.3	34.7	31.1
-77.5°	61.2	57.5	53.6	50.2	46.8	43.3	39.7	36.0	32.7	29.8	26.9
-80°	47.2	44.7	42.2	39.5	36.8	34.0	31.8	29.6	27.3	25.0	22.7
-82.5°	34.5	33.0	31.6	30.1	28.5	27.0	25.3	23.7	22.0	20.2	17.9
-85°	24.9	23.9	23.0	22.0	20.9	19.9	18.4	16.8	15.2	13.6	12.0
-87.5°	13.4	12.8	12.1	11.4	10.7	9.9	9.2	8.4	7.6	6.8	6.0
-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: P699927 (CONVERTED FROM TYPE C PHOTOMETRY)
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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°	5.1	4.3	3.5	2.6	1.7	0.9	0.0
85°	10.3	8.6	6.9	5.2	3.5	1.7	0.0
82.5°	15.4	12.9	10.3	7.8	5.2	2.6	0.0
80°	20.3	17.1	13.8	10.3	6.9	3.5	0.0
77.5°	23.9	21.0	17.1	12.9	8.6	4.3	0.0
75°	27.5	23.9	20.3	15.4	10.3	5.1	0.0
72.5°	31.1	26.9	22.7	17.9	12.0	6.0	0.0
70°	34.7	29.8	25.0	20.2	13.6	6.8	0.0
67.5°	39.3	32.7	27.3	22.0	15.2	7.6	0.0
65°	43.8	36.0	29.6	23.7	16.8	8.4	0.0
62.5°	48.2	39.7	31.8	25.3	18.4	9.2	0.0
60°	52.5	43.3	34.0	27.0	19.9	9.9	0.0
57.5°	57.5	46.8	36.8	28.5	20.9	10.7	0.0
55°	62.4	50.2	39.5	30.1	22.0	11.4	0.0
52.5°	67.2	53.6	42.2	31.6	23.0	12.1	0.0
50°	71.9	57.5	44.7	33.0	23.9	12.8	0.0
47.5°	77.6	61.2	47.2	34.5	24.9	13.4	0.0
45°	90.8	64.8	49.6	36.3	25.8	14.1	0.0
42.5°	103.3	68.3	51.9	38.0	26.6	14.7	0.0
40°	115.3	71.6	54.3	39.7	27.4	15.2	0.0
37.5°	126.7	74.7	56.8	41.2	28.2	15.8	0.0
35°	137.5	81.6	59.2	42.7	29.0	16.3	0.0
32.5°	152.9	90.0	61.4	44.1	29.6	16.8	0.0
30°	178.9	97.9	63.4	45.4	30.3	17.2	0.0
27.5°	203.1	105.2	65.4	46.6	30.9	17.7	0.0
25°	225.4	111.9	67.1	47.7	31.4	18.0	0.0
22.5°	245.7	118.1	68.7	48.7	31.9	18.4	0.0
20°	264.0	123.6	70.2	49.6	32.4	18.7	0.0
17.5°	280.2	128.5	71.5	50.4	32.8	19.0	0.0
15°	294.4	132.8	72.6	51.1	33.1	19.2	0.0
12.5°	306.4	136.4	73.5	51.6	33.4	19.4	0.0
10°	316.3	139.4	74.3	52.1	33.7	19.6	0.0
7.5°	324.0	141.7	74.9	52.5	33.9	19.7	0.0
5°	329.5	143.4	75.4	52.8	34.0	19.8	0.0
2.5°	332.8	144.4	75.6	52.9	34.1	19.9	0.0
0°	333.9	144.7	75.7	53.0	34.1	19.9	0.0
-2.5°	332.8	144.4	75.6	52.9	34.1	19.9	0.0
-5°	329.5	143.4	75.4	52.8	34.0	19.8	0.0
-7.5°	324.0	141.7	74.9	52.5	33.9	19.7	0.0
-10°	316.3	139.4	74.3	52.1	33.7	19.6	0.0
-12.5°	306.4	136.4	73.5	51.6	33.4	19.4	0.0
-15°	294.4	132.8	72.6	51.1	33.1	19.2	0.0
-17.5°	280.2	128.5	71.5	50.4	32.8	19.0	0.0
-20°	264.0	123.6	70.2	49.6	32.4	18.7	0.0



REPORT NUMBER: P699927 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	245.7	118.1	68.7	48.7	31.9	18.4	0.0
-25°	225.4	111.9	67.1	47.7	31.4	18.0	0.0
-27.5°	203.1	105.2	65.4	46.6	30.9	17.7	0.0
-30°	178.9	97.9	63.4	45.4	30.3	17.2	0.0
-32.5°	152.9	90.0	61.4	44.1	29.6	16.8	0.0
-35°	137.5	81.6	59.2	42.7	29.0	16.3	0.0
-37.5°	126.7	74.7	56.8	41.2	28.2	15.8	0.0
-40°	115.3	71.6	54.3	39.7	27.4	15.2	0.0
-42.5°	103.3	68.3	51.9	38.0	26.6	14.7	0.0
-45°	90.8	64.8	49.6	36.3	25.8	14.1	0.0
-47.5°	77.6	61.2	47.2	34.5	24.9	13.4	0.0
-50°	71.9	57.5	44.7	33.0	23.9	12.8	0.0
-52.5°	67.2	53.6	42.2	31.6	23.0	12.1	0.0
-55°	62.4	50.2	39.5	30.1	22.0	11.4	0.0
-57.5°	57.5	46.8	36.8	28.5	20.9	10.7	0.0
-60°	52.5	43.3	34.0	27.0	19.9	9.9	0.0
-62.5°	48.2	39.7	31.8	25.3	18.4	9.2	0.0
-65°	43.8	36.0	29.6	23.7	16.8	8.4	0.0
-67.5°	39.3	32.7	27.3	22.0	15.2	7.6	0.0
-70°	34.7	29.8	25.0	20.2	13.6	6.8	0.0
-72.5°	31.1	26.9	22.7	17.9	12.0	6.0	0.0
-75°	27.5	23.9	20.3	15.4	10.3	5.1	0.0
-77.5°	23.9	21.0	17.1	12.9	8.6	4.3	0.0
-80°	20.3	17.1	13.8	10.3	6.9	3.5	0.0
-82.5°	15.4	12.9	10.3	7.8	5.2	2.6	0.0
-85°	10.3	8.6	6.9	5.2	3.5	1.7	0.0
-87.5°	5.1	4.3	3.5	2.6	1.7	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)