

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: P699916 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 8/10/2023

Test Information

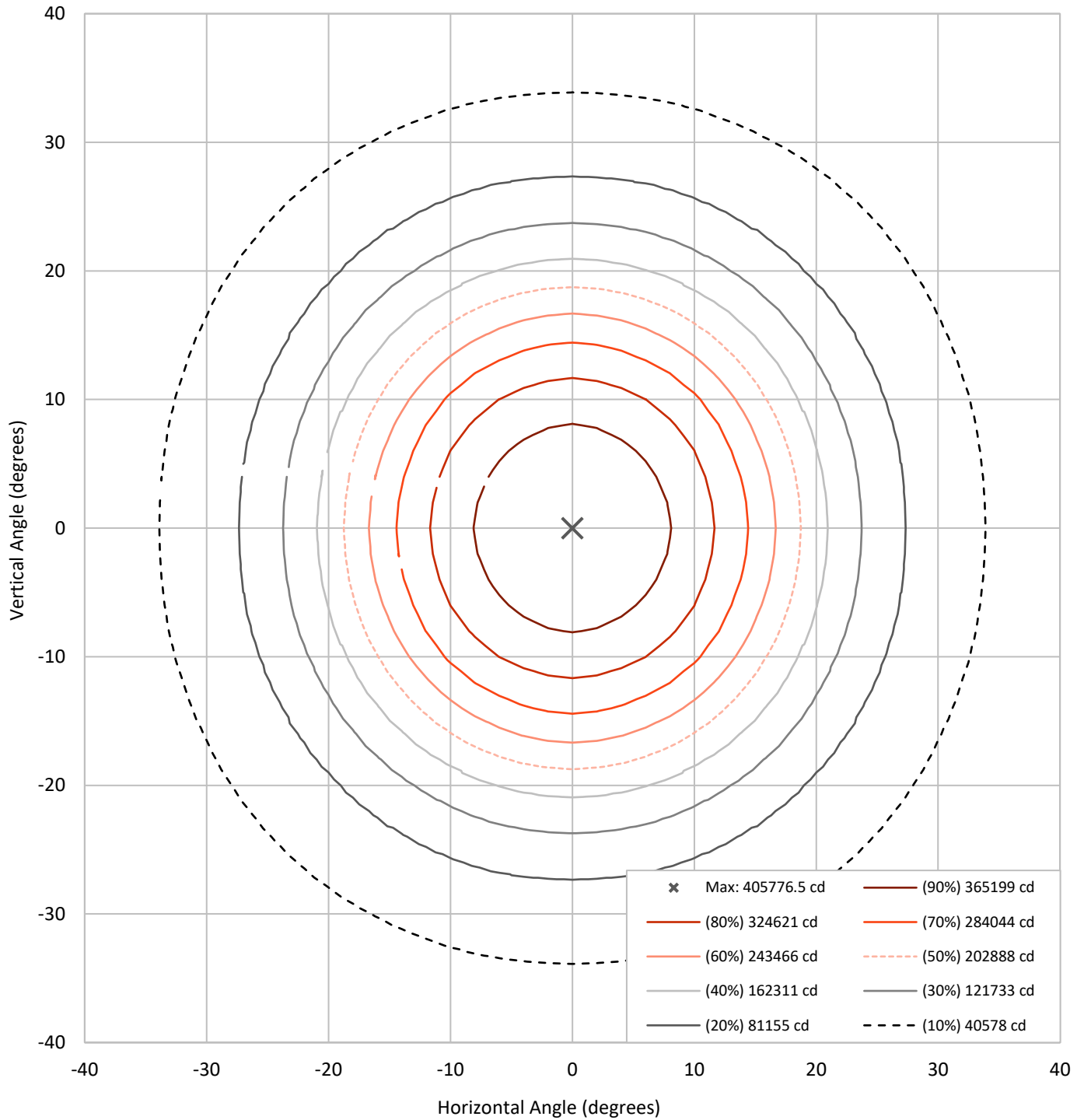
Test Method: LM-79-08
Report Number: P699916 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-12)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200L-57-70-4S-S
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:	193644.2 lumens	Max Intensity:	405776.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	159.5 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:	98518.7 lumens	Field Lumens:	170369.6 lumens
Beam Efficiency:	50.9%	Field Efficiency:	88.0%
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





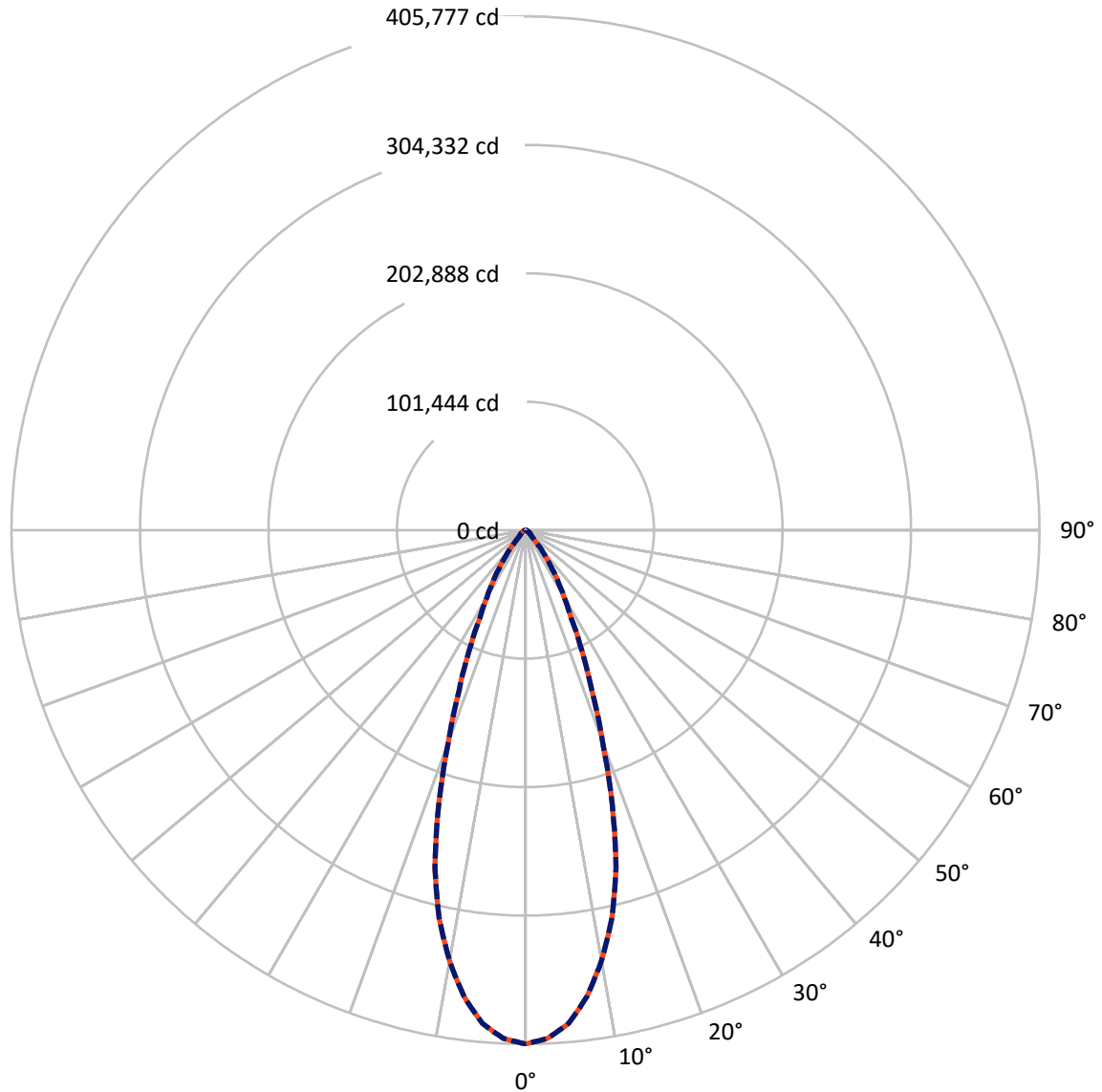
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Lumen Table

90	0.1	1.2	6.3	15.9	20.9	15.9	6.3	1.2	0.1							
80	0.1	1.2	6.3	15.9	20.9	15.9	6.3	1.2	0.1							
70	0.6	1.0	4.2	11.5	22.9	36.0	47.3	53.7	53.7	47.3	36.0	22.9	11.5	4.2	1.0	0.6
60		3.1	13.3	33.8	60.8	87.1	107.5	118.9	118.9	107.5	87.1	60.8	33.8	13.3	3.1	
50	2.2	7.1	27.6	62.1	100.9	143.7	199.9	252.5	252.5	199.9	143.7	100.9	62.1	27.6	7.1	2.2
40		12.2	43.0	87.3	153.8	365.5	757.3	1061.0	1061.0	757.3	365.5	153.8	87.3	43.0	12.2	
30	4.7	17.4	55.7	112.7	332.5	1031.2	2094.4	3123.6	3123.6	2094.4	1031.2	332.5	112.7	55.7	17.4	4.7
20		21.4	64.5	147.9	648.7	1972.5	4763.4	7626.4	7626.4	4763.4	1972.5	648.7	147.9	64.5	21.4	
10	5.9	23.5	69.2	182.1	882.1	2859.8	7410.6	11052.3	11052.3	7410.6	2859.8	882.1	182.1	69.2	23.5	5.9
0		23.5	69.2	182.1	882.1	2859.8	7410.6	11052.3	11052.3	7410.6	2859.8	882.1	182.1	69.2	23.5	
-10	4.7	21.4	64.5	147.9	648.7	1972.5	4763.4	7626.4	7626.4	4763.4	1972.5	648.7	147.9	64.5	21.4	4.7
-20		17.4	55.7	112.7	332.5	1031.2	2094.4	3123.6	3123.6	2094.4	1031.2	332.5	112.7	55.7	17.4	
-30	2.2	12.2	43.0	87.3	153.8	365.5	757.3	1061.0	1061.0	757.3	365.5	153.8	87.3	43.0	12.2	2.2
-40		7.1	27.6	62.1	100.9	143.7	199.9	252.5	252.5	199.9	143.7	100.9	62.1	27.6	7.1	
-50	0.6	3.1	13.3	33.8	60.8	87.1	107.5	118.9	118.9	107.5	87.1	60.8	33.8	13.3	3.1	0.6
-60		1.0	4.2	11.5	22.9	36.0	47.3	53.7	53.7	47.3	36.0	22.9	11.5	4.2	1.0	
-70	0.1	1.2	6.3	15.9	20.9	15.9	6.3	1.2	0.1							
-80		0.1	1.2	6.3	15.9	20.9	15.9	6.3	1.2	0.1						
-90	0.1	1.2	6.3	15.9	20.9	15.9	6.3	1.2	0.1							

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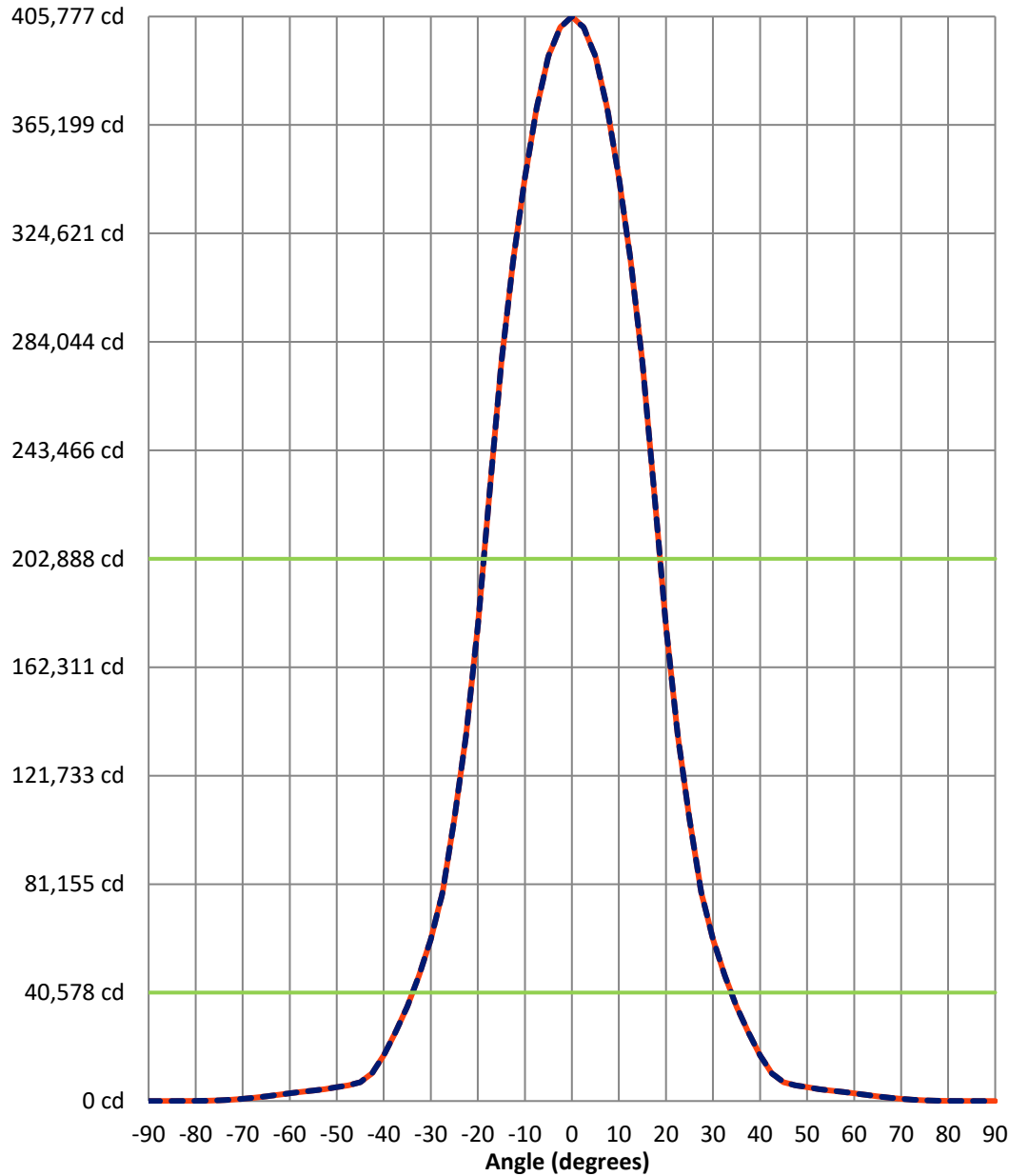
Luminous Intensity Polar Plot



— 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: 98518.7
Efficiency: 50.9%

Field:
H Angle: 67.8°
V Angle: 67.8°
Lumens: 170369.6
Efficiency: 88.0%

Spill:
Lumens: 23274.6
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	0.6	0.8	0.9	1.0	1.1	1.3
85°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.0	2.3	2.5
82.5°	0.0	0.4	0.8	1.2	1.6	1.9	2.3	2.7	3.2	4.2	5.1
80°	0.0	0.5	1.0	1.6	2.1	2.6	3.2	4.6	5.9	7.2	8.5
77.5°	0.0	0.6	1.3	1.9	2.6	3.6	5.3	6.9	8.6	10.2	12.8
75°	0.0	0.8	1.6	2.3	3.2	5.3	7.3	9.3	11.6	15.9	20.2
72.5°	0.0	0.9	1.8	2.7	4.6	6.9	9.3	12.4	17.5	22.6	27.6
70°	0.0	1.0	2.0	3.2	5.9	8.6	11.6	17.5	23.4	29.2	36.5
67.5°	0.0	1.1	2.3	4.2	7.2	10.2	15.9	22.6	29.2	37.5	45.6
65°	0.0	1.3	2.5	5.1	8.5	12.8	20.2	27.6	36.5	45.6	60.8
62.5°	0.0	1.4	2.8	6.1	9.7	16.3	24.4	33.4	43.6	57.4	90.1
60°	0.0	1.5	3.0	7.0	10.9	19.7	28.5	39.6	50.6	83.3	118.9
57.5°	0.0	1.6	3.6	7.9	13.5	23.1	33.5	45.5	69.9	108.7	163.7
55°	0.0	1.7	4.2	8.7	16.2	26.3	38.5	51.4	91.9	138.3	215.4
52.5°	0.0	1.8	4.7	9.6	18.7	29.7	43.4	68.7	113.3	183.6	265.8
50°	0.0	1.9	5.3	10.4	21.1	33.6	48.1	86.8	139.4	227.5	338.1
47.5°	0.0	2.0	5.8	11.4	23.5	37.4	54.1	104.3	177.2	270.0	410.9
45°	0.0	2.1	6.3	13.1	25.8	41.0	68.6	121.2	213.5	332.6	481.1
42.5°	0.0	2.2	6.8	14.8	28.0	44.5	82.4	145.7	248.4	393.2	579.5
40°	0.0	2.3	7.3	16.3	30.3	47.8	95.6	174.8	287.6	451.1	678.9
37.5°	0.0	2.4	7.7	17.8	32.9	51.0	108.2	202.5	336.5	514.5	773.6
35°	0.0	2.5	8.1	19.2	35.2	58.5	120.1	228.7	382.8	594.9	872.0
32.5°	0.0	2.5	8.5	20.5	37.5	67.7	134.2	253.3	426.4	670.7	978.1
30°	0.0	2.6	8.9	21.7	39.6	76.4	153.9	279.4	467.2	741.7	1077.6
27.5°	0.0	2.7	9.2	22.9	41.5	84.5	172.2	312.3	512.7	807.8	1170.1
25°	0.0	2.7	9.5	23.9	43.3	91.9	189.0	342.7	566.4	878.7	1256.2
22.5°	0.0	2.8	9.8	24.9	44.9	98.7	204.3	370.4	615.4	948.3	1349.3
20°	0.0	2.8	10.0	25.7	46.4	104.7	218.2	395.4	659.6	1011.0	1433.2
17.5°	0.0	2.9	10.3	26.5	47.7	110.1	230.4	417.6	698.9	1066.9	1507.9
15°	0.0	2.9	10.5	27.1	48.8	114.9	241.1	436.9	733.1	1115.6	1573.1
12.5°	0.0	2.9	10.6	27.7	49.8	118.9	250.2	453.4	762.3	1157.0	1628.6
10°	0.0	3.0	10.8	28.2	50.6	122.1	257.7	466.9	786.2	1191.1	1674.3
7.5°	0.0	3.0	10.9	28.5	51.2	124.7	263.5	477.4	804.9	1217.7	1710.0
5°	0.0	3.0	10.9	28.8	51.6	126.5	267.7	485.0	818.3	1236.7	1735.5
2.5°	0.0	3.0	11.0	28.9	51.9	127.6	270.2	489.5	826.3	1248.2	1750.9
0°	0.0	3.0	11.0	29.0	52.0	128.0	271.0	491.0	829.0	1252.0	1756.0
-2.5°	0.0	3.0	11.0	28.9	51.9	127.6	270.2	489.5	826.3	1248.2	1750.9
-5°	0.0	3.0	10.9	28.8	51.6	126.5	267.7	485.0	818.3	1236.7	1735.5
-7.5°	0.0	3.0	10.9	28.5	51.2	124.7	263.5	477.4	804.9	1217.7	1710.0
-10°	0.0	3.0	10.8	28.2	50.6	122.1	257.7	466.9	786.2	1191.1	1674.3
-12.5°	0.0	2.9	10.6	27.7	49.8	118.9	250.2	453.4	762.3	1157.0	1628.6
-15°	0.0	2.9	10.5	27.1	48.8	114.9	241.1	436.9	733.1	1115.6	1573.1
-17.5°	0.0	2.9	10.3	26.5	47.7	110.1	230.4	417.6	698.9	1066.9	1507.9
-20°	0.0	2.8	10.0	25.7	46.4	104.7	218.2	395.4	659.6	1011.0	1433.2



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 CATALOG NUMBER: EPH-LS-16-1200L-57-70-4S-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	2.8	9.8	24.9	44.9	98.7	204.3	370.4	615.4	948.3	1349.3
-25°	0.0	2.7	9.5	23.9	43.3	91.9	189.0	342.7	566.4	878.7	1256.2
-27.5°	0.0	2.7	9.2	22.9	41.5	84.5	172.2	312.3	512.7	807.8	1170.1
-30°	0.0	2.6	8.9	21.7	39.6	76.4	153.9	279.4	467.2	741.7	1077.6
-32.5°	0.0	2.5	8.5	20.5	37.5	67.7	134.2	253.3	426.4	670.7	978.1
-35°	0.0	2.5	8.1	19.2	35.2	58.5	120.1	228.7	382.8	594.9	872.0
-37.5°	0.0	2.4	7.7	17.8	32.9	51.0	108.2	202.5	336.5	514.5	773.6
-40°	0.0	2.3	7.3	16.3	30.3	47.8	95.6	174.8	287.6	451.1	678.9
-42.5°	0.0	2.2	6.8	14.8	28.0	44.5	82.4	145.7	248.4	393.2	579.5
-45°	0.0	2.1	6.3	13.1	25.8	41.0	68.6	121.2	213.5	332.6	481.1
-47.5°	0.0	2.0	5.8	11.4	23.5	37.4	54.1	104.3	177.2	270.0	410.9
-50°	0.0	1.9	5.3	10.4	21.1	33.6	48.1	86.8	139.4	227.5	338.1
-52.5°	0.0	1.8	4.7	9.6	18.7	29.7	43.4	68.7	113.3	183.6	265.8
-55°	0.0	1.7	4.2	8.7	16.2	26.3	38.5	51.4	91.9	138.3	215.4
-57.5°	0.0	1.6	3.6	7.9	13.5	23.1	33.5	45.5	69.9	108.7	163.7
-60°	0.0	1.5	3.0	7.0	10.9	19.7	28.5	39.6	50.6	83.3	118.9
-62.5°	0.0	1.4	2.8	6.1	9.7	16.3	24.4	33.4	43.6	57.4	90.1
-65°	0.0	1.3	2.5	5.1	8.5	12.8	20.2	27.6	36.5	45.6	60.8
-67.5°	0.0	1.1	2.3	4.2	7.2	10.2	15.9	22.6	29.2	37.5	45.6
-70°	0.0	1.0	2.0	3.2	5.9	8.6	11.6	17.5	23.4	29.2	36.5
-72.5°	0.0	0.9	1.8	2.7	4.6	6.9	9.3	12.4	17.5	22.6	27.6
-75°	0.0	0.8	1.6	2.3	3.2	5.3	7.3	9.3	11.6	15.9	20.2
-77.5°	0.0	0.6	1.3	1.9	2.6	3.6	5.3	6.9	8.6	10.2	12.8
-80°	0.0	0.5	1.0	1.6	2.1	2.6	3.2	4.6	5.9	7.2	8.5
-82.5°	0.0	0.4	0.8	1.2	1.6	1.9	2.3	2.7	3.2	4.2	5.1
-85°	0.0	0.3	0.5	0.8	1.0	1.3	1.6	1.8	2.0	2.3	2.5
-87.5°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	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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 CATALOG NUMBER: EPH-LS-16-1200L-57-70-4S-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°	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
85°	2.8	3.0	3.6	4.2	4.7	5.3	5.8	6.3	6.8	7.3	7.7
82.5°	6.1	7.0	7.9	8.7	9.6	10.4	11.4	13.1	14.8	16.3	17.8
80°	9.7	10.9	13.5	16.2	18.7	21.1	23.5	25.8	28.0	30.3	32.9
77.5°	16.3	19.7	23.1	26.3	29.7	33.6	37.4	41.0	44.5	47.8	51.0
75°	24.4	28.5	33.5	38.5	43.4	48.1	54.1	68.6	82.4	95.6	108.2
72.5°	33.4	39.6	45.5	51.4	68.7	86.8	104.3	121.2	145.7	174.8	202.5
70°	43.6	50.6	69.9	91.9	113.3	139.4	177.2	213.5	248.4	287.6	336.5
67.5°	57.4	83.3	108.7	138.3	183.6	227.5	270.0	332.6	393.2	451.1	514.5
65°	90.1	118.9	163.7	215.4	265.8	338.1	410.9	481.1	579.5	678.9	773.6
62.5°	122.2	176.5	234.7	302.5	387.6	470.4	582.5	701.5	816.0	950.0	1081.0
60°	176.5	241.1	322.4	417.6	520.9	659.6	794.2	948.3	1105.1	1256.2	1427.5
57.5°	234.7	322.4	427.6	551.8	706.2	863.6	1046.3	1223.1	1420.7	1615.9	1808.2
55°	302.5	417.6	551.8	721.9	902.9	1105.6	1312.3	1539.8	1759.8	1996.6	2223.4
52.5°	387.6	520.9	706.2	902.9	1125.4	1360.0	1611.8	1868.3	2133.1	2390.1	2642.1
50°	470.4	659.6	863.6	1105.6	1360.0	1635.9	1922.9	2215.7	2504.6	2786.3	3046.8
47.5°	582.5	794.2	1046.3	1312.3	1611.8	1922.9	2243.4	2562.2	2873.7	3156.9	3427.5
45°	701.5	948.3	1223.1	1539.8	1868.3	2215.7	2562.2	2903.0	3212.4	3504.3	3759.5
42.5°	816.0	1105.1	1420.7	1759.8	2133.1	2504.6	2873.7	3212.4	3529.3	3810.2	4095.1
40°	950.0	1256.2	1615.9	1996.6	2390.1	2786.3	3156.9	3504.3	3810.2	4123.3	4436.6
37.5°	1081.0	1427.5	1808.2	2223.4	2642.1	3046.8	3427.5	3759.5	4095.1	4436.6	4905.2
35°	1205.4	1590.3	2007.4	2443.1	2882.5	3288.6	3658.9	4011.1	4379.2	4863.0	5347.9
32.5°	1336.5	1744.2	2195.8	2654.0	3097.1	3510.1	3877.1	4265.5	4737.4	5270.6	5744.3
30°	1467.9	1904.9	2374.7	2852.7	3298.3	3702.1	4097.5	4530.6	5107.8	5626.0	6302.9
27.5°	1590.3	2056.1	2545.2	3029.6	3482.0	3882.1	4308.8	4856.5	5431.6	6023.0	6927.8
25°	1703.4	2195.8	2703.0	3190.5	3636.6	4060.3	4528.8	5160.6	5725.4	6571.7	8352.6
22.5°	1812.9	2323.9	2847.6	3338.1	3778.6	4228.0	4789.2	5417.5	6084.3	7124.5	9897.9
20°	1917.7	2443.1	2973.6	3469.1	3907.5	4380.4	5026.1	5647.8	6517.1	8443.0	12280.2
17.5°	2010.9	2549.2	3082.7	3574.7	4031.1	4545.1	5235.1	5854.6	6906.6	9632.4	14887.0
15°	2092.4	2642.1	3178.2	3667.1	4141.1	4716.9	5402.9	6152.8	7603.2	10994.4	17217.2
12.5°	2161.7	2721.2	3259.6	3746.1	4235.1	4864.0	5546.7	6424.9	8438.0	12833.2	19776.8
10°	2218.8	2786.3	3326.7	3811.2	4312.6	4985.5	5665.7	6650.2	9130.4	14361.0	21908.3
7.5°	2263.4	2837.2	3379.2	3862.1	4373.4	5080.6	5759.0	6827.2	9674.9	15564.4	23590.5
5°	2295.4	2873.7	3416.8	3898.7	4417.0	5149.0	5826.1	6954.5	10067.2	16432.4	24805.6
2.5°	2314.6	2895.7	3439.4	3920.7	4443.2	5190.2	5866.5	7031.3	10303.9	16956.7	25540.2
0°	2321.0	2903.0	3447.0	3928.0	4452.0	5204.0	5880.0	7057.0	10383.0	17132.0	25786.0
-2.5°	2314.6	2895.7	3439.4	3920.7	4443.2	5190.2	5866.5	7031.3	10303.9	16956.7	25540.2
-5°	2295.4	2873.7	3416.8	3898.7	4417.0	5149.0	5826.1	6954.5	10067.2	16432.4	24805.6
-7.5°	2263.4	2837.2	3379.2	3862.1	4373.4	5080.6	5759.0	6827.2	9674.9	15564.4	23590.5
-10°	2218.8	2786.3	3326.7	3811.2	4312.6	4985.5	5665.7	6650.2	9130.4	14361.0	21908.3
-12.5°	2161.7	2721.2	3259.6	3746.1	4235.1	4864.0	5546.7	6424.9	8438.0	12833.2	19776.8
-15°	2092.4	2642.1	3178.2	3667.1	4141.1	4716.9	5402.9	6152.8	7603.2	10994.4	17217.2
-17.5°	2010.9	2549.2	3082.7	3574.7	4031.1	4545.1	5235.1	5854.6	6906.6	9632.4	14887.0
-20°	1917.7	2443.1	2973.6	3469.1	3907.5	4380.4	5026.1	5647.8	6517.1	8443.0	12280.2



REPORT NUMBER: P699916 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-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°	1812.9	2323.9	2847.6	3338.1	3778.6	4228.0	4789.2	5417.5	6084.3	7124.5	9897.9
-25°	1703.4	2195.8	2703.0	3190.5	3636.6	4060.3	4528.8	5160.6	5725.4	6571.7	8352.6
-27.5°	1590.3	2056.1	2545.2	3029.6	3482.0	3882.1	4308.8	4856.5	5431.6	6023.0	6927.8
-30°	1467.9	1904.9	2374.7	2852.7	3298.3	3702.1	4097.5	4530.6	5107.8	5626.0	6302.9
-32.5°	1336.5	1744.2	2195.8	2654.0	3097.1	3510.1	3877.1	4265.5	4737.4	5270.6	5744.3
-35°	1205.4	1590.3	2007.4	2443.1	2882.5	3288.6	3658.9	4011.1	4379.2	4863.0	5347.9
-37.5°	1081.0	1427.5	1808.2	2223.4	2642.1	3046.8	3427.5	3759.5	4095.1	4436.6	4905.2
-40°	950.0	1256.2	1615.9	1996.6	2390.1	2786.3	3156.9	3504.3	3810.2	4123.3	4436.6
-42.5°	816.0	1105.1	1420.7	1759.8	2133.1	2504.6	2873.7	3212.4	3529.3	3810.2	4095.1
-45°	701.5	948.3	1223.1	1539.8	1868.3	2215.7	2562.2	2903.0	3212.4	3504.3	3759.5
-47.5°	582.5	794.2	1046.3	1312.3	1611.8	1922.9	2243.4	2562.2	2873.7	3156.9	3427.5
-50°	470.4	659.6	863.6	1105.6	1360.0	1635.9	1922.9	2215.7	2504.6	2786.3	3046.8
-52.5°	387.6	520.9	706.2	902.9	1125.4	1360.0	1611.8	1868.3	2133.1	2390.1	2642.1
-55°	302.5	417.6	551.8	721.9	902.9	1105.6	1312.3	1539.8	1759.8	1996.6	2223.4
-57.5°	234.7	322.4	427.6	551.8	706.2	863.6	1046.3	1223.1	1420.7	1615.9	1808.2
-60°	176.5	241.1	322.4	417.6	520.9	659.6	794.2	948.3	1105.1	1256.2	1427.5
-62.5°	122.2	176.5	234.7	302.5	387.6	470.4	582.5	701.5	816.0	950.0	1081.0
-65°	90.1	118.9	163.7	215.4	265.8	338.1	410.9	481.1	579.5	678.9	773.6
-67.5°	57.4	83.3	108.7	138.3	183.6	227.5	270.0	332.6	393.2	451.1	514.5
-70°	43.6	50.6	69.9	91.9	113.3	139.4	177.2	213.5	248.4	287.6	336.5
-72.5°	33.4	39.6	45.5	51.4	68.7	86.8	104.3	121.2	145.7	174.8	202.5
-75°	24.4	28.5	33.5	38.5	43.4	48.1	54.1	68.6	82.4	95.6	108.2
-77.5°	16.3	19.7	23.1	26.3	29.7	33.6	37.4	41.0	44.5	47.8	51.0
-80°	9.7	10.9	13.5	16.2	18.7	21.1	23.5	25.8	28.0	30.3	32.9
-82.5°	6.1	7.0	7.9	8.7	9.6	10.4	11.4	13.1	14.8	16.3	17.8
-85°	2.8	3.0	3.6	4.2	4.7	5.3	5.8	6.3	6.8	7.3	7.7
-87.5°	1.4	1.5	1.6	1.7	1.8	1.9	2.0	2.1	2.2	2.3	2.4
-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: P699916 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-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	2.5	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	3.0
85°	8.1	8.5	8.9	9.2	9.5	9.8	10.0	10.3	10.5	10.6	10.8
82.5°	19.2	20.5	21.7	22.9	23.9	24.9	25.7	26.5	27.1	27.7	28.2
80°	35.2	37.5	39.6	41.5	43.3	44.9	46.4	47.7	48.8	49.8	50.6
77.5°	58.5	67.7	76.4	84.5	91.9	98.7	104.7	110.1	114.9	118.9	122.1
75°	120.1	134.2	153.9	172.2	189.0	204.3	218.2	230.4	241.1	250.2	257.7
72.5°	228.7	253.3	279.4	312.3	342.7	370.4	395.4	417.6	436.9	453.4	466.9
70°	382.8	426.4	467.2	512.7	566.4	615.4	659.6	698.9	733.1	762.3	786.2
67.5°	594.9	670.7	741.7	807.8	878.7	948.3	1011.0	1066.9	1115.6	1157.0	1191.1
65°	872.0	978.1	1077.6	1170.1	1256.2	1349.3	1433.2	1507.9	1573.1	1628.6	1674.3
62.5°	1205.4	1336.5	1467.9	1590.3	1703.4	1812.9	1917.7	2010.9	2092.4	2161.7	2218.8
60°	1590.3	1744.2	1904.9	2056.1	2195.8	2323.9	2443.1	2549.2	2642.1	2721.2	2786.3
57.5°	2007.4	2195.8	2374.7	2545.2	2703.0	2847.6	2973.6	3082.7	3178.2	3259.6	3326.7
55°	2443.1	2654.0	2852.7	3029.6	3190.5	3338.1	3469.1	3574.7	3667.1	3746.1	3811.2
52.5°	2882.5	3097.1	3298.3	3482.0	3636.6	3778.6	3907.5	4031.1	4141.1	4235.1	4312.6
50°	3288.6	3510.1	3702.1	3882.1	4060.3	4228.0	4380.4	4545.1	4716.9	4864.0	4985.5
47.5°	3658.9	3877.1	4097.5	4308.8	4528.8	4789.2	5026.1	5235.1	5402.9	5546.7	5665.7
45°	4011.1	4265.5	4530.6	4856.5	5160.6	5417.5	5647.8	5854.6	6152.8	6424.9	6650.2
42.5°	4379.2	4737.4	5107.8	5431.6	5725.4	6084.3	6517.1	6906.6	7603.2	8438.0	9130.4
40°	4863.0	5270.6	5626.0	6023.0	6571.7	7124.5	8443.0	9632.4	10994.4	12833.2	14361.0
37.5°	5347.9	5744.3	6302.9	6927.8	8352.6	9897.9	12280.2	14887.0	17217.2	19776.8	21908.3
35°	5784.0	6444.3	7305.3	9188.1	11561.6	14925.6	18279.7	21888.8	25099.1	28104.3	30675.1
32.5°	6444.3	7511.4	9611.1	12882.4	16730.2	21239.8	25517.6	29803.9	33656.0	37352.8	40755.2
30°	7305.3	9611.1	13326.6	17790.4	23051.7	28239.1	33332.2	38550.9	43619.1	48217.0	52555.8
27.5°	9188.1	12882.4	17790.4	23661.9	29636.9	35526.6	42167.0	48485.0	54902.7	60532.1	66679.1
25°	11561.6	16730.2	23051.7	29636.9	36413.3	44010.0	51832.2	59525.5	68247.1	76211.4	85711.6
22.5°	14925.6	21239.8	28239.1	35526.6	44010.0	52963.9	62282.9	73036.6	85517.0	99139.2	111594.7
20°	18279.7	25517.6	33332.2	42167.0	51832.2	62282.9	74661.0	90850.8	107840.0	125048.7	140768.0
17.5°	21888.8	29803.9	38550.9	48485.0	59525.5	73036.6	90850.8	111129.3	132023.9	155061.1	176466.0
15°	25099.1	33656.0	43619.1	54902.7	68247.1	85517.0	107840.0	132023.9	159963.6	189071.0	218471.4
12.5°	28104.3	37352.8	48217.0	60532.1	76211.4	99139.2	125048.7	155061.1	189071.0	225612.1	257645.2
10°	30675.1	40755.2	52555.8	66679.1	85711.6	111594.7	140768.0	176466.0	218471.4	257645.2	290518.6
7.5°	32708.6	43453.8	56008.9	71597.9	94199.0	122442.4	156454.4	197878.3	242641.2	283469.1	314612.6
5°	34180.0	45410.9	58520.1	75187.3	100420.1	130439.6	168108.5	214171.6	260837.8	300547.2	331736.9
2.5°	35070.8	46597.5	60045.4	77373.0	104220.5	135345.9	175299.8	224308.2	272294.9	310891.1	341862.0
0°	35369.0	46995.1	60557.1	78107.1	105499.1	137000.2	177732.2	227752.3	276214.3	314292.4	345366.4
-2.5°	35070.8	46597.5	60045.4	77373.0	104220.5	135345.9	175299.8	224308.2	272294.9	310891.1	341862.0
-5°	34180.0	45410.9	58520.1	75187.3	100420.1	130439.6	168108.5	214171.6	260837.8	300547.2	331736.9
-7.5°	32708.6	43453.8	56008.9	71597.9	94199.0	122442.4	156454.4	197878.3	242641.2	283469.1	314612.6
-10°	30675.1	40755.2	52555.8	66679.1	85711.6	111594.7	140768.0	176466.0	218471.4	257645.2	290518.6
-12.5°	28104.3	37352.8	48217.0	60532.1	76211.4	99139.2	125048.7	155061.1	189071.0	225612.1	257645.2
-15°	25099.1	33656.0	43619.1	54902.7	68247.1	85517.0	107840.0	132023.9	159963.6	189071.0	218471.4
-17.5°	21888.8	29803.9	38550.9	48485.0	59525.5	73036.6	90850.8	111129.3	132023.9	155061.1	176466.0
-20°	18279.7	25517.6	33332.2	42167.0	51832.2	62282.9	74661.0	90850.8	107840.0	125048.7	140768.0



REPORT NUMBER: P699916 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-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°	14925.6	21239.8	28239.1	35526.6	44010.0	52963.9	62282.9	73036.6	85517.0	99139.2	111594.7
-25°	11561.6	16730.2	23051.7	29636.9	36413.3	44010.0	51832.2	59525.5	68247.1	76211.4	85711.6
-27.5°	9188.1	12882.4	17790.4	23661.9	29636.9	35526.6	42167.0	48485.0	54902.7	60532.1	66679.1
-30°	7305.3	9611.1	13326.6	17790.4	23051.7	28239.1	33332.2	38550.9	43619.1	48217.0	52555.8
-32.5°	6444.3	7511.4	9611.1	12882.4	16730.2	21239.8	25517.6	29803.9	33656.0	37352.8	40755.2
-35°	5784.0	6444.3	7305.3	9188.1	11561.6	14925.6	18279.7	21888.8	25099.1	28104.3	30675.1
-37.5°	5347.9	5744.3	6302.9	6927.8	8352.6	9897.9	12280.2	14887.0	17217.2	19776.8	21908.3
-40°	4863.0	5270.6	5626.0	6023.0	6571.7	7124.5	8443.0	9632.4	10994.4	12833.2	14361.0
-42.5°	4379.2	4737.4	5107.8	5431.6	5725.4	6084.3	6517.1	6906.6	7603.2	8438.0	9130.4
-45°	4011.1	4265.5	4530.6	4856.5	5160.6	5417.5	5647.8	5854.6	6152.8	6424.9	6650.2
-47.5°	3658.9	3877.1	4097.5	4308.8	4528.8	4789.2	5026.1	5235.1	5402.9	5546.7	5665.7
-50°	3288.6	3510.1	3702.1	3882.1	4060.3	4228.0	4380.4	4545.1	4716.9	4864.0	4985.5
-52.5°	2882.5	3097.1	3298.3	3482.0	3636.6	3778.6	3907.5	4031.1	4141.1	4235.1	4312.6
-55°	2443.1	2654.0	2852.7	3029.6	3190.5	3338.1	3469.1	3574.7	3667.1	3746.1	3811.2
-57.5°	2007.4	2195.8	2374.7	2545.2	2703.0	2847.6	2973.6	3082.7	3178.2	3259.6	3326.7
-60°	1590.3	1744.2	1904.9	2056.1	2195.8	2323.9	2443.1	2549.2	2642.1	2721.2	2786.3
-62.5°	1205.4	1336.5	1467.9	1590.3	1703.4	1812.9	1917.7	2010.9	2092.4	2161.7	2218.8
-65°	872.0	978.1	1077.6	1170.1	1256.2	1349.3	1433.2	1507.9	1573.1	1628.6	1674.3
-67.5°	594.9	670.7	741.7	807.8	878.7	948.3	1011.0	1066.9	1115.6	1157.0	1191.1
-70°	382.8	426.4	467.2	512.7	566.4	615.4	659.6	698.9	733.1	762.3	786.2
-72.5°	228.7	253.3	279.4	312.3	342.7	370.4	395.4	417.6	436.9	453.4	466.9
-75°	120.1	134.2	153.9	172.2	189.0	204.3	218.2	230.4	241.1	250.2	257.7
-77.5°	58.5	67.7	76.4	84.5	91.9	98.7	104.7	110.1	114.9	118.9	122.1
-80°	35.2	37.5	39.6	41.5	43.3	44.9	46.4	47.7	48.8	49.8	50.6
-82.5°	19.2	20.5	21.7	22.9	23.9	24.9	25.7	26.5	27.1	27.7	28.2
-85°	8.1	8.5	8.9	9.2	9.5	9.8	10.0	10.3	10.5	10.6	10.8
-87.5°	2.5	2.5	2.6	2.7	2.7	2.8	2.8	2.9	2.9	2.9	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: P699916 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-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°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9
85°	10.9	10.9	11.0	11.0	11.0	10.9	10.9	10.8	10.6	10.5	10.3
82.5°	28.5	28.8	28.9	29.0	28.9	28.8	28.5	28.2	27.7	27.1	26.5
80°	51.2	51.6	51.9	52.0	51.9	51.6	51.2	50.6	49.8	48.8	47.7
77.5°	124.7	126.5	127.6	128.0	127.6	126.5	124.7	122.1	118.9	114.9	110.1
75°	263.5	267.7	270.2	271.0	270.2	267.7	263.5	257.7	250.2	241.1	230.4
72.5°	477.4	485.0	489.5	491.0	489.5	485.0	477.4	466.9	453.4	436.9	417.6
70°	804.9	818.3	826.3	829.0	826.3	818.3	804.9	786.2	762.3	733.1	698.9
67.5°	1217.7	1236.7	1248.2	1252.0	1248.2	1236.7	1217.7	1191.1	1157.0	1115.6	1066.9
65°	1710.0	1735.5	1750.9	1756.0	1750.9	1735.5	1710.0	1674.3	1628.6	1573.1	1507.9
62.5°	2263.4	2295.4	2314.6	2321.0	2314.6	2295.4	2263.4	2218.8	2161.7	2092.4	2010.9
60°	2837.2	2873.7	2895.7	2903.0	2895.7	2873.7	2837.2	2786.3	2721.2	2642.1	2549.2
57.5°	3379.2	3416.8	3439.4	3447.0	3439.4	3416.8	3379.2	3326.7	3259.6	3178.2	3082.7
55°	3862.1	3898.7	3920.7	3928.0	3920.7	3898.7	3862.1	3811.2	3746.1	3667.1	3574.7
52.5°	4373.4	4417.0	4443.2	4452.0	4443.2	4417.0	4373.4	4312.6	4235.1	4141.1	4031.1
50°	5080.6	5149.0	5190.2	5204.0	5190.2	5149.0	5080.6	4985.5	4864.0	4716.9	4545.1
47.5°	5759.0	5826.1	5866.5	5880.0	5866.5	5826.1	5759.0	5665.7	5546.7	5402.9	5235.1
45°	6827.2	6954.5	7031.3	7057.0	7031.3	6954.5	6827.2	6650.2	6424.9	6152.8	5854.6
42.5°	9674.9	10067.2	10303.9	10383.0	10303.9	10067.2	9674.9	9130.4	8438.0	7603.2	6906.6
40°	15564.4	16432.4	16956.7	17132.0	16956.7	16432.4	15564.4	14361.0	12833.2	10994.4	9632.4
37.5°	23590.5	24805.6	25540.2	25786.0	25540.2	24805.6	23590.5	21908.3	19776.8	17217.2	14887.0
35°	32708.6	34180.0	35070.8	35369.0	35070.8	34180.0	32708.6	30675.1	28104.3	25099.1	21888.8
32.5°	43453.8	45410.9	46597.5	46995.1	46597.5	45410.9	43453.8	40755.2	37352.8	33656.0	29803.9
30°	56008.9	58520.1	60045.4	60557.1	60045.4	58520.1	56008.9	52555.8	48217.0	43619.1	38550.9
27.5°	71597.9	75187.3	77373.0	78107.1	77373.0	75187.3	71597.9	66679.1	60532.1	54902.7	48485.0
25°	94199.0	100420.1	104220.5	105499.1	104220.5	100420.1	94199.0	85711.6	76211.4	68247.1	59525.5
22.5°	122442.4	130439.6	135345.9	137000.2	135345.9	130439.6	122442.4	111594.7	99139.2	85517.0	73036.6
20°	156454.4	168108.5	175299.8	177732.2	175299.8	168108.5	156454.4	140768.0	125048.7	107840.0	90850.8
17.5°	197878.3	214171.6	224308.2	227752.3	224308.2	214171.6	197878.3	176466.0	155061.1	132023.9	111129.3
15°	242641.2	260837.8	272294.9	276214.3	272294.9	260837.8	242641.2	218471.4	189071.0	159963.6	132023.9
12.5°	283469.1	300547.2	310891.1	314292.4	310891.1	300547.2	283469.1	257645.2	225612.1	189071.0	155061.1
10°	314612.6	331736.9	341862.0	345366.4	341862.0	331736.9	314612.6	290518.6	257645.2	218471.4	176466.0
7.5°	338564.0	356455.1	367801.7	371525.0	367801.7	356455.1	338564.0	314612.6	283469.1	242641.2	197878.3
5°	356455.1	375525.1	386960.3	390865.5	386960.3	375525.1	356455.1	331736.9	300547.2	260837.8	214171.6
2.5°	367801.7	386960.3	398049.3	401671.5	398049.3	386960.3	367801.7	341862.0	310891.1	272294.9	224308.2
0°	371525.0	390865.5	401671.5	405776.5	401671.5	390865.5	371525.0	345366.4	314292.4	276214.3	227752.3
-2.5°	367801.7	386960.3	398049.3	401671.5	398049.3	386960.3	367801.7	341862.0	310891.1	272294.9	224308.2
-5°	356455.1	375525.1	386960.3	390865.5	386960.3	375525.1	356455.1	331736.9	300547.2	260837.8	214171.6
-7.5°	338564.0	356455.1	367801.7	371525.0	367801.7	356455.1	338564.0	314612.6	283469.1	242641.2	197878.3
-10°	314612.6	331736.9	341862.0	345366.4	341862.0	331736.9	314612.6	290518.6	257645.2	218471.4	176466.0
-12.5°	283469.1	300547.2	310891.1	314292.4	310891.1	300547.2	283469.1	257645.2	225612.1	189071.0	155061.1
-15°	242641.2	260837.8	272294.9	276214.3	272294.9	260837.8	242641.2	218471.4	189071.0	159963.6	132023.9
-17.5°	197878.3	214171.6	224308.2	227752.3	224308.2	214171.6	197878.3	176466.0	155061.1	132023.9	111129.3
-20°	156454.4	168108.5	175299.8	177732.2	175299.8	168108.5	156454.4	140768.0	125048.7	107840.0	90850.8



REPORT NUMBER: P699916 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-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°	122442.4	130439.6	135345.9	137000.2	135345.9	130439.6	122442.4	111594.7	99139.2	85517.0	73036.6
-25°	94199.0	100420.1	104220.5	105499.1	104220.5	100420.1	94199.0	85711.6	76211.4	68247.1	59525.5
-27.5°	71597.9	75187.3	77373.0	78107.1	77373.0	75187.3	71597.9	66679.1	60532.1	54902.7	48485.0
-30°	56008.9	58520.1	60045.4	60557.1	60045.4	58520.1	56008.9	52555.8	48217.0	43619.1	38550.9
-32.5°	43453.8	45410.9	46597.5	46995.1	46597.5	45410.9	43453.8	40755.2	37352.8	33656.0	29803.9
-35°	32708.6	34180.0	35070.8	35369.0	35070.8	34180.0	32708.6	30675.1	28104.3	25099.1	21888.8
-37.5°	23590.5	24805.6	25540.2	25786.0	25540.2	24805.6	23590.5	21908.3	19776.8	17217.2	14887.0
-40°	15564.4	16432.4	16956.7	17132.0	16956.7	16432.4	15564.4	14361.0	12833.2	10994.4	9632.4
-42.5°	9674.9	10067.2	10303.9	10383.0	10303.9	10067.2	9674.9	9130.4	8438.0	7603.2	6906.6
-45°	6827.2	6954.5	7031.3	7057.0	7031.3	6954.5	6827.2	6650.2	6424.9	6152.8	5854.6
-47.5°	5759.0	5826.1	5866.5	5880.0	5866.5	5826.1	5759.0	5665.7	5546.7	5402.9	5235.1
-50°	5080.6	5149.0	5190.2	5204.0	5190.2	5149.0	5080.6	4985.5	4864.0	4716.9	4545.1
-52.5°	4373.4	4417.0	4443.2	4452.0	4443.2	4417.0	4373.4	4312.6	4235.1	4141.1	4031.1
-55°	3862.1	3898.7	3920.7	3928.0	3920.7	3898.7	3862.1	3811.2	3746.1	3667.1	3574.7
-57.5°	3379.2	3416.8	3439.4	3447.0	3439.4	3416.8	3379.2	3326.7	3259.6	3178.2	3082.7
-60°	2837.2	2873.7	2895.7	2903.0	2895.7	2873.7	2837.2	2786.3	2721.2	2642.1	2549.2
-62.5°	2263.4	2295.4	2314.6	2321.0	2314.6	2295.4	2263.4	2218.8	2161.7	2092.4	2010.9
-65°	1710.0	1735.5	1750.9	1756.0	1750.9	1735.5	1710.0	1674.3	1628.6	1573.1	1507.9
-67.5°	1217.7	1236.7	1248.2	1252.0	1248.2	1236.7	1217.7	1191.1	1157.0	1115.6	1066.9
-70°	804.9	818.3	826.3	829.0	826.3	818.3	804.9	786.2	762.3	733.1	698.9
-72.5°	477.4	485.0	489.5	491.0	489.5	485.0	477.4	466.9	453.4	436.9	417.6
-75°	263.5	267.7	270.2	271.0	270.2	267.7	263.5	257.7	250.2	241.1	230.4
-77.5°	124.7	126.5	127.6	128.0	127.6	126.5	124.7	122.1	118.9	114.9	110.1
-80°	51.2	51.6	51.9	52.0	51.9	51.6	51.2	50.6	49.8	48.8	47.7
-82.5°	28.5	28.8	28.9	29.0	28.9	28.8	28.5	28.2	27.7	27.1	26.5
-85°	10.9	10.9	11.0	11.0	11.0	10.9	10.9	10.8	10.6	10.5	10.3
-87.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9
-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: P699916 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-4S-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°	2.8	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.1
85°	10.0	9.8	9.5	9.2	8.9	8.5	8.1	7.7	7.3	6.8	6.3
82.5°	25.7	24.9	23.9	22.9	21.7	20.5	19.2	17.8	16.3	14.8	13.1
80°	46.4	44.9	43.3	41.5	39.6	37.5	35.2	32.9	30.3	28.0	25.8
77.5°	104.7	98.7	91.9	84.5	76.4	67.7	58.5	51.0	47.8	44.5	41.0
75°	218.2	204.3	189.0	172.2	153.9	134.2	120.1	108.2	95.6	82.4	68.6
72.5°	395.4	370.4	342.7	312.3	279.4	253.3	228.7	202.5	174.8	145.7	121.2
70°	659.6	615.4	566.4	512.7	467.2	426.4	382.8	336.5	287.6	248.4	213.5
67.5°	1011.0	948.3	878.7	807.8	741.7	670.7	594.9	514.5	451.1	393.2	332.6
65°	1433.2	1349.3	1256.2	1170.1	1077.6	978.1	872.0	773.6	678.9	579.5	481.1
62.5°	1917.7	1812.9	1703.4	1590.3	1467.9	1336.5	1205.4	1081.0	950.0	816.0	701.5
60°	2443.1	2323.9	2195.8	2056.1	1904.9	1744.2	1590.3	1427.5	1256.2	1105.1	948.3
57.5°	2973.6	2847.6	2703.0	2545.2	2374.7	2195.8	2007.4	1808.2	1615.9	1420.7	1223.1
55°	3469.1	3338.1	3190.5	3029.6	2852.7	2654.0	2443.1	2223.4	1996.6	1759.8	1539.8
52.5°	3907.5	3778.6	3636.6	3482.0	3298.3	3097.1	2882.5	2642.1	2390.1	2133.1	1868.3
50°	4380.4	4228.0	4060.3	3882.1	3702.1	3510.1	3288.6	3046.8	2786.3	2504.6	2215.7
47.5°	5026.1	4789.2	4528.8	4308.8	4097.5	3877.1	3658.9	3427.5	3156.9	2873.7	2562.2
45°	5647.8	5417.5	5160.6	4856.5	4530.6	4265.5	4011.1	3759.5	3504.3	3212.4	2903.0
42.5°	6517.1	6084.3	5725.4	5431.6	5107.8	4737.4	4379.2	4095.1	3810.2	3529.3	3212.4
40°	8443.0	7124.5	6571.7	6023.0	5626.0	5270.6	4863.0	4436.6	4123.3	3810.2	3504.3
37.5°	12280.2	9897.9	8352.6	6927.8	6302.9	5744.3	5347.9	4905.2	4436.6	4095.1	3759.5
35°	18279.7	14925.6	11561.6	9188.1	7305.3	6444.3	5784.0	5347.9	4863.0	4379.2	4011.1
32.5°	25517.6	21239.8	16730.2	12882.4	9611.1	7511.4	6444.3	5744.3	5270.6	4737.4	4265.5
30°	33332.2	28239.1	23051.7	17790.4	13326.6	9611.1	7305.3	6302.9	5626.0	5107.8	4530.6
27.5°	42167.0	35526.6	29636.9	23661.9	17790.4	12882.4	9188.1	6927.8	6023.0	5431.6	4856.5
25°	51832.2	44010.0	36413.3	29636.9	23051.7	16730.2	11561.6	8352.6	6571.7	5725.4	5160.6
22.5°	62282.9	52963.9	44010.0	35526.6	28239.1	21239.8	14925.6	9897.9	7124.5	6084.3	5417.5
20°	74661.0	62282.9	51832.2	42167.0	33332.2	25517.6	18279.7	12280.2	8443.0	6517.1	5647.8
17.5°	90850.8	73036.6	59525.5	48485.0	38550.9	29803.9	21888.8	14887.0	9632.4	6906.6	5854.6
15°	107840.0	85517.0	68247.1	54902.7	43619.1	33656.0	25099.1	17217.2	10994.4	7603.2	6152.8
12.5°	125048.7	99139.2	76211.4	60532.1	48217.0	37352.8	28104.3	19776.8	12833.2	8438.0	6424.9
10°	140768.0	111594.7	85711.6	66679.1	52555.8	40755.2	30675.1	21908.3	14361.0	9130.4	6650.2
7.5°	156454.4	122442.4	94199.0	71597.9	56008.9	43453.8	32708.6	23590.5	15564.4	9674.9	6827.2
5°	168108.5	130439.6	100420.1	75187.3	58520.1	45410.9	34180.0	24805.6	16432.4	10067.2	6954.5
2.5°	175299.8	135345.9	104220.5	77373.0	60045.4	46597.5	35070.8	25540.2	16956.7	10303.9	7031.3
0°	177732.2	137000.2	105499.1	78107.1	60557.1	46995.1	35369.0	25786.0	17132.0	10383.0	7057.0
-2.5°	175299.8	135345.9	104220.5	77373.0	60045.4	46597.5	35070.8	25540.2	16956.7	10303.9	7031.3
-5°	168108.5	130439.6	100420.1	75187.3	58520.1	45410.9	34180.0	24805.6	16432.4	10067.2	6954.5
-7.5°	156454.4	122442.4	94199.0	71597.9	56008.9	43453.8	32708.6	23590.5	15564.4	9674.9	6827.2
-10°	140768.0	111594.7	85711.6	66679.1	52555.8	40755.2	30675.1	21908.3	14361.0	9130.4	6650.2
-12.5°	125048.7	99139.2	76211.4	60532.1	48217.0	37352.8	28104.3	19776.8	12833.2	8438.0	6424.9
-15°	107840.0	85517.0	68247.1	54902.7	43619.1	33656.0	25099.1	17217.2	10994.4	7603.2	6152.8
-17.5°	90850.8	73036.6	59525.5	48485.0	38550.9	29803.9	21888.8	14887.0	9632.4	6906.6	5854.6
-20°	74661.0	62282.9	51832.2	42167.0	33332.2	25517.6	18279.7	12280.2	8443.0	6517.1	5647.8



REPORT NUMBER: P699916 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-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°	62282.9	52963.9	44010.0	35526.6	28239.1	21239.8	14925.6	9897.9	7124.5	6084.3	5417.5
-25°	51832.2	44010.0	36413.3	29636.9	23051.7	16730.2	11561.6	8352.6	6571.7	5725.4	5160.6
-27.5°	42167.0	35526.6	29636.9	23661.9	17790.4	12882.4	9188.1	6927.8	6023.0	5431.6	4856.5
-30°	33332.2	28239.1	23051.7	17790.4	13326.6	9611.1	7305.3	6302.9	5626.0	5107.8	4530.6
-32.5°	25517.6	21239.8	16730.2	12882.4	9611.1	7511.4	6444.3	5744.3	5270.6	4737.4	4265.5
-35°	18279.7	14925.6	11561.6	9188.1	7305.3	6444.3	5784.0	5347.9	4863.0	4379.2	4011.1
-37.5°	12280.2	9897.9	8352.6	6927.8	6302.9	5744.3	5347.9	4905.2	4436.6	4095.1	3759.5
-40°	8443.0	7124.5	6571.7	6023.0	5626.0	5270.6	4863.0	4436.6	4123.3	3810.2	3504.3
-42.5°	6517.1	6084.3	5725.4	5431.6	5107.8	4737.4	4379.2	4095.1	3810.2	3529.3	3212.4
-45°	5647.8	5417.5	5160.6	4856.5	4530.6	4265.5	4011.1	3759.5	3504.3	3212.4	2903.0
-47.5°	5026.1	4789.2	4528.8	4308.8	4097.5	3877.1	3658.9	3427.5	3156.9	2873.7	2562.2
-50°	4380.4	4228.0	4060.3	3882.1	3702.1	3510.1	3288.6	3046.8	2786.3	2504.6	2215.7
-52.5°	3907.5	3778.6	3636.6	3482.0	3298.3	3097.1	2882.5	2642.1	2390.1	2133.1	1868.3
-55°	3469.1	3338.1	3190.5	3029.6	2852.7	2654.0	2443.1	2223.4	1996.6	1759.8	1539.8
-57.5°	2973.6	2847.6	2703.0	2545.2	2374.7	2195.8	2007.4	1808.2	1615.9	1420.7	1223.1
-60°	2443.1	2323.9	2195.8	2056.1	1904.9	1744.2	1590.3	1427.5	1256.2	1105.1	948.3
-62.5°	1917.7	1812.9	1703.4	1590.3	1467.9	1336.5	1205.4	1081.0	950.0	816.0	701.5
-65°	1433.2	1349.3	1256.2	1170.1	1077.6	978.1	872.0	773.6	678.9	579.5	481.1
-67.5°	1011.0	948.3	878.7	807.8	741.7	670.7	594.9	514.5	451.1	393.2	332.6
-70°	659.6	615.4	566.4	512.7	467.2	426.4	382.8	336.5	287.6	248.4	213.5
-72.5°	395.4	370.4	342.7	312.3	279.4	253.3	228.7	202.5	174.8	145.7	121.2
-75°	218.2	204.3	189.0	172.2	153.9	134.2	120.1	108.2	95.6	82.4	68.6
-77.5°	104.7	98.7	91.9	84.5	76.4	67.7	58.5	51.0	47.8	44.5	41.0
-80°	46.4	44.9	43.3	41.5	39.6	37.5	35.2	32.9	30.3	28.0	25.8
-82.5°	25.7	24.9	23.9	22.9	21.7	20.5	19.2	17.8	16.3	14.8	13.1
-85°	10.0	9.8	9.5	9.2	8.9	8.5	8.1	7.7	7.3	6.8	6.3
-87.5°	2.8	2.8	2.7	2.7	2.6	2.5	2.5	2.4	2.3	2.2	2.1
-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: P699916 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-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°	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.1	1.0	0.9
85°	5.8	5.3	4.7	4.2	3.6	3.0	2.8	2.5	2.3	2.0	1.8
82.5°	11.4	10.4	9.6	8.7	7.9	7.0	6.1	5.1	4.2	3.2	2.7
80°	23.5	21.1	18.7	16.2	13.5	10.9	9.7	8.5	7.2	5.9	4.6
77.5°	37.4	33.6	29.7	26.3	23.1	19.7	16.3	12.8	10.2	8.6	6.9
75°	54.1	48.1	43.4	38.5	33.5	28.5	24.4	20.2	15.9	11.6	9.3
72.5°	104.3	86.8	68.7	51.4	45.5	39.6	33.4	27.6	22.6	17.5	12.4
70°	177.2	139.4	113.3	91.9	69.9	50.6	43.6	36.5	29.2	23.4	17.5
67.5°	270.0	227.5	183.6	138.3	108.7	83.3	57.4	45.6	37.5	29.2	22.6
65°	410.9	338.1	265.8	215.4	163.7	118.9	90.1	60.8	45.6	36.5	27.6
62.5°	582.5	470.4	387.6	302.5	234.7	176.5	122.2	90.1	57.4	43.6	33.4
60°	794.2	659.6	520.9	417.6	322.4	241.1	176.5	118.9	83.3	50.6	39.6
57.5°	1046.3	863.6	706.2	551.8	427.6	322.4	234.7	163.7	108.7	69.9	45.5
55°	1312.3	1105.6	902.9	721.9	551.8	417.6	302.5	215.4	138.3	91.9	51.4
52.5°	1611.8	1360.0	1125.4	902.9	706.2	520.9	387.6	265.8	183.6	113.3	68.7
50°	1922.9	1635.9	1360.0	1105.6	863.6	659.6	470.4	338.1	227.5	139.4	86.8
47.5°	2243.4	1922.9	1611.8	1312.3	1046.3	794.2	582.5	410.9	270.0	177.2	104.3
45°	2562.2	2215.7	1868.3	1539.8	1223.1	948.3	701.5	481.1	332.6	213.5	121.2
42.5°	2873.7	2504.6	2133.1	1759.8	1420.7	1105.1	816.0	579.5	393.2	248.4	145.7
40°	3156.9	2786.3	2390.1	1996.6	1615.9	1256.2	950.0	678.9	451.1	287.6	174.8
37.5°	3427.5	3046.8	2642.1	2223.4	1808.2	1427.5	1081.0	773.6	514.5	336.5	202.5
35°	3658.9	3288.6	2882.5	2443.1	2007.4	1590.3	1205.4	872.0	594.9	382.8	228.7
32.5°	3877.1	3510.1	3097.1	2654.0	2195.8	1744.2	1336.5	978.1	670.7	426.4	253.3
30°	4097.5	3702.1	3298.3	2852.7	2374.7	1904.9	1467.9	1077.6	741.7	467.2	279.4
27.5°	4308.8	3882.1	3482.0	3029.6	2545.2	2056.1	1590.3	1170.1	807.8	512.7	312.3
25°	4528.8	4060.3	3636.6	3190.5	2703.0	2195.8	1703.4	1256.2	878.7	566.4	342.7
22.5°	4789.2	4228.0	3778.6	3338.1	2847.6	2323.9	1812.9	1349.3	948.3	615.4	370.4
20°	5026.1	4380.4	3907.5	3469.1	2973.6	2443.1	1917.7	1433.2	1011.0	659.6	395.4
17.5°	5235.1	4545.1	4031.1	3574.7	3082.7	2549.2	2010.9	1507.9	1066.9	698.9	417.6
15°	5402.9	4716.9	4141.1	3667.1	3178.2	2642.1	2092.4	1573.1	1115.6	733.1	436.9
12.5°	5546.7	4864.0	4235.1	3746.1	3259.6	2721.2	2161.7	1628.6	1157.0	762.3	453.4
10°	5665.7	4985.5	4312.6	3811.2	3326.7	2786.3	2218.8	1674.3	1191.1	786.2	466.9
7.5°	5759.0	5080.6	4373.4	3862.1	3379.2	2837.2	2263.4	1710.0	1217.7	804.9	477.4
5°	5826.1	5149.0	4417.0	3898.7	3416.8	2873.7	2295.4	1735.5	1236.7	818.3	485.0
2.5°	5866.5	5190.2	4443.2	3920.7	3439.4	2895.7	2314.6	1750.9	1248.2	826.3	489.5
0°	5880.0	5204.0	4452.0	3928.0	3447.0	2903.0	2321.0	1756.0	1252.0	829.0	491.0
-2.5°	5866.5	5190.2	4443.2	3920.7	3439.4	2895.7	2314.6	1750.9	1248.2	826.3	489.5
-5°	5826.1	5149.0	4417.0	3898.7	3416.8	2873.7	2295.4	1735.5	1236.7	818.3	485.0
-7.5°	5759.0	5080.6	4373.4	3862.1	3379.2	2837.2	2263.4	1710.0	1217.7	804.9	477.4
-10°	5665.7	4985.5	4312.6	3811.2	3326.7	2786.3	2218.8	1674.3	1191.1	786.2	466.9
-12.5°	5546.7	4864.0	4235.1	3746.1	3259.6	2721.2	2161.7	1628.6	1157.0	762.3	453.4
-15°	5402.9	4716.9	4141.1	3667.1	3178.2	2642.1	2092.4	1573.1	1115.6	733.1	436.9
-17.5°	5235.1	4545.1	4031.1	3574.7	3082.7	2549.2	2010.9	1507.9	1066.9	698.9	417.6
-20°	5026.1	4380.4	3907.5	3469.1	2973.6	2443.1	1917.7	1433.2	1011.0	659.6	395.4



REPORT NUMBER: P699916 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-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°	4789.2	4228.0	3778.6	3338.1	2847.6	2323.9	1812.9	1349.3	948.3	615.4	370.4
-25°	4528.8	4060.3	3636.6	3190.5	2703.0	2195.8	1703.4	1256.2	878.7	566.4	342.7
-27.5°	4308.8	3882.1	3482.0	3029.6	2545.2	2056.1	1590.3	1170.1	807.8	512.7	312.3
-30°	4097.5	3702.1	3298.3	2852.7	2374.7	1904.9	1467.9	1077.6	741.7	467.2	279.4
-32.5°	3877.1	3510.1	3097.1	2654.0	2195.8	1744.2	1336.5	978.1	670.7	426.4	253.3
-35°	3658.9	3288.6	2882.5	2443.1	2007.4	1590.3	1205.4	872.0	594.9	382.8	228.7
-37.5°	3427.5	3046.8	2642.1	2223.4	1808.2	1427.5	1081.0	773.6	514.5	336.5	202.5
-40°	3156.9	2786.3	2390.1	1996.6	1615.9	1256.2	950.0	678.9	451.1	287.6	174.8
-42.5°	2873.7	2504.6	2133.1	1759.8	1420.7	1105.1	816.0	579.5	393.2	248.4	145.7
-45°	2562.2	2215.7	1868.3	1539.8	1223.1	948.3	701.5	481.1	332.6	213.5	121.2
-47.5°	2243.4	1922.9	1611.8	1312.3	1046.3	794.2	582.5	410.9	270.0	177.2	104.3
-50°	1922.9	1635.9	1360.0	1105.6	863.6	659.6	470.4	338.1	227.5	139.4	86.8
-52.5°	1611.8	1360.0	1125.4	902.9	706.2	520.9	387.6	265.8	183.6	113.3	68.7
-55°	1312.3	1105.6	902.9	721.9	551.8	417.6	302.5	215.4	138.3	91.9	51.4
-57.5°	1046.3	863.6	706.2	551.8	427.6	322.4	234.7	163.7	108.7	69.9	45.5
-60°	794.2	659.6	520.9	417.6	322.4	241.1	176.5	118.9	83.3	50.6	39.6
-62.5°	582.5	470.4	387.6	302.5	234.7	176.5	122.2	90.1	57.4	43.6	33.4
-65°	410.9	338.1	265.8	215.4	163.7	118.9	90.1	60.8	45.6	36.5	27.6
-67.5°	270.0	227.5	183.6	138.3	108.7	83.3	57.4	45.6	37.5	29.2	22.6
-70°	177.2	139.4	113.3	91.9	69.9	50.6	43.6	36.5	29.2	23.4	17.5
-72.5°	104.3	86.8	68.7	51.4	45.5	39.6	33.4	27.6	22.6	17.5	12.4
-75°	54.1	48.1	43.4	38.5	33.5	28.5	24.4	20.2	15.9	11.6	9.3
-77.5°	37.4	33.6	29.7	26.3	23.1	19.7	16.3	12.8	10.2	8.6	6.9
-80°	23.5	21.1	18.7	16.2	13.5	10.9	9.7	8.5	7.2	5.9	4.6
-82.5°	11.4	10.4	9.6	8.7	7.9	7.0	6.1	5.1	4.2	3.2	2.7
-85°	5.8	5.3	4.7	4.2	3.6	3.0	2.8	2.5	2.3	2.0	1.8
-87.5°	2.0	1.9	1.8	1.7	1.6	1.5	1.4	1.3	1.1	1.0	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



REPORT NUMBER: P699916 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-4S-S

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	0.6	0.5	0.4	0.3	0.1	0.0
85°	1.6	1.3	1.0	0.8	0.5	0.3	0.0
82.5°	2.3	1.9	1.6	1.2	0.8	0.4	0.0
80°	3.2	2.6	2.1	1.6	1.0	0.5	0.0
77.5°	5.3	3.6	2.6	1.9	1.3	0.6	0.0
75°	7.3	5.3	3.2	2.3	1.6	0.8	0.0
72.5°	9.3	6.9	4.6	2.7	1.8	0.9	0.0
70°	11.6	8.6	5.9	3.2	2.0	1.0	0.0
67.5°	15.9	10.2	7.2	4.2	2.3	1.1	0.0
65°	20.2	12.8	8.5	5.1	2.5	1.3	0.0
62.5°	24.4	16.3	9.7	6.1	2.8	1.4	0.0
60°	28.5	19.7	10.9	7.0	3.0	1.5	0.0
57.5°	33.5	23.1	13.5	7.9	3.6	1.6	0.0
55°	38.5	26.3	16.2	8.7	4.2	1.7	0.0
52.5°	43.4	29.7	18.7	9.6	4.7	1.8	0.0
50°	48.1	33.6	21.1	10.4	5.3	1.9	0.0
47.5°	54.1	37.4	23.5	11.4	5.8	2.0	0.0
45°	68.6	41.0	25.8	13.1	6.3	2.1	0.0
42.5°	82.4	44.5	28.0	14.8	6.8	2.2	0.0
40°	95.6	47.8	30.3	16.3	7.3	2.3	0.0
37.5°	108.2	51.0	32.9	17.8	7.7	2.4	0.0
35°	120.1	58.5	35.2	19.2	8.1	2.5	0.0
32.5°	134.2	67.7	37.5	20.5	8.5	2.5	0.0
30°	153.9	76.4	39.6	21.7	8.9	2.6	0.0
27.5°	172.2	84.5	41.5	22.9	9.2	2.7	0.0
25°	189.0	91.9	43.3	23.9	9.5	2.7	0.0
22.5°	204.3	98.7	44.9	24.9	9.8	2.8	0.0
20°	218.2	104.7	46.4	25.7	10.0	2.8	0.0
17.5°	230.4	110.1	47.7	26.5	10.3	2.9	0.0
15°	241.1	114.9	48.8	27.1	10.5	2.9	0.0
12.5°	250.2	118.9	49.8	27.7	10.6	2.9	0.0
10°	257.7	122.1	50.6	28.2	10.8	3.0	0.0
7.5°	263.5	124.7	51.2	28.5	10.9	3.0	0.0
5°	267.7	126.5	51.6	28.8	10.9	3.0	0.0
2.5°	270.2	127.6	51.9	28.9	11.0	3.0	0.0
0°	271.0	128.0	52.0	29.0	11.0	3.0	0.0
-2.5°	270.2	127.6	51.9	28.9	11.0	3.0	0.0
-5°	267.7	126.5	51.6	28.8	10.9	3.0	0.0
-7.5°	263.5	124.7	51.2	28.5	10.9	3.0	0.0
-10°	257.7	122.1	50.6	28.2	10.8	3.0	0.0
-12.5°	250.2	118.9	49.8	27.7	10.6	2.9	0.0
-15°	241.1	114.9	48.8	27.1	10.5	2.9	0.0
-17.5°	230.4	110.1	47.7	26.5	10.3	2.9	0.0
-20°	218.2	104.7	46.4	25.7	10.0	2.8	0.0



REPORT NUMBER: P699916 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200L-57-70-4S-S

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	204.3	98.7	44.9	24.9	9.8	2.8	0.0
-25°	189.0	91.9	43.3	23.9	9.5	2.7	0.0
-27.5°	172.2	84.5	41.5	22.9	9.2	2.7	0.0
-30°	153.9	76.4	39.6	21.7	8.9	2.6	0.0
-32.5°	134.2	67.7	37.5	20.5	8.5	2.5	0.0
-35°	120.1	58.5	35.2	19.2	8.1	2.5	0.0
-37.5°	108.2	51.0	32.9	17.8	7.7	2.4	0.0
-40°	95.6	47.8	30.3	16.3	7.3	2.3	0.0
-42.5°	82.4	44.5	28.0	14.8	6.8	2.2	0.0
-45°	68.6	41.0	25.8	13.1	6.3	2.1	0.0
-47.5°	54.1	37.4	23.5	11.4	5.8	2.0	0.0
-50°	48.1	33.6	21.1	10.4	5.3	1.9	0.0
-52.5°	43.4	29.7	18.7	9.6	4.7	1.8	0.0
-55°	38.5	26.3	16.2	8.7	4.2	1.7	0.0
-57.5°	33.5	23.1	13.5	7.9	3.6	1.6	0.0
-60°	28.5	19.7	10.9	7.0	3.0	1.5	0.0
-62.5°	24.4	16.3	9.7	6.1	2.8	1.4	0.0
-65°	20.2	12.8	8.5	5.1	2.5	1.3	0.0
-67.5°	15.9	10.2	7.2	4.2	2.3	1.1	0.0
-70°	11.6	8.6	5.9	3.2	2.0	1.0	0.0
-72.5°	9.3	6.9	4.6	2.7	1.8	0.9	0.0
-75°	7.3	5.3	3.2	2.3	1.6	0.8	0.0
-77.5°	5.3	3.6	2.6	1.9	1.3	0.6	0.0
-80°	3.2	2.6	2.1	1.6	1.0	0.5	0.0
-82.5°	2.3	1.9	1.6	1.2	0.8	0.4	0.0
-85°	1.6	1.3	1.0	0.8	0.5	0.3	0.0
-87.5°	0.8	0.6	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)