

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: P1306566 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200R-57-80-1S-A**

Issue Date: 2/3/2026

Test Information

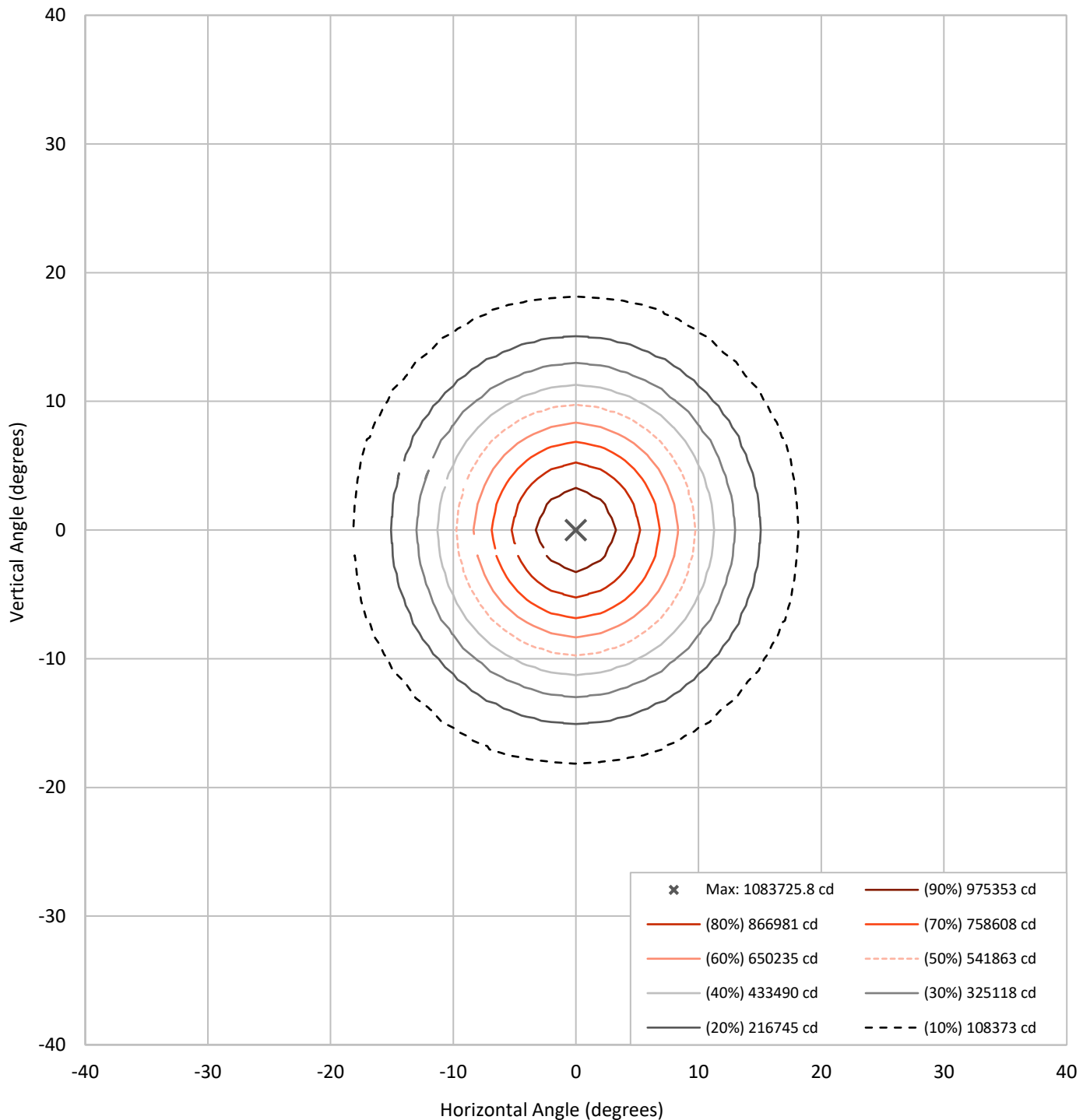
Test Method: LM-79-08
Report Number: P1306566 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-46)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS16-1200R-57-80-1S-A
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 80 CRI LEDS AND 1S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	164943 lumens	Max Intensity:	1083725.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	127.9 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	19.5°H x 19.5°V	Field Angle (10%):	36.3°H x 36.3°V
Beam Lumens:	73483.4 lumens	Field Lumens:	127713.2 lumens
Beam Efficiency:	44.6%	Field Efficiency:	77.4%
Input Watts (W):	1290		
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





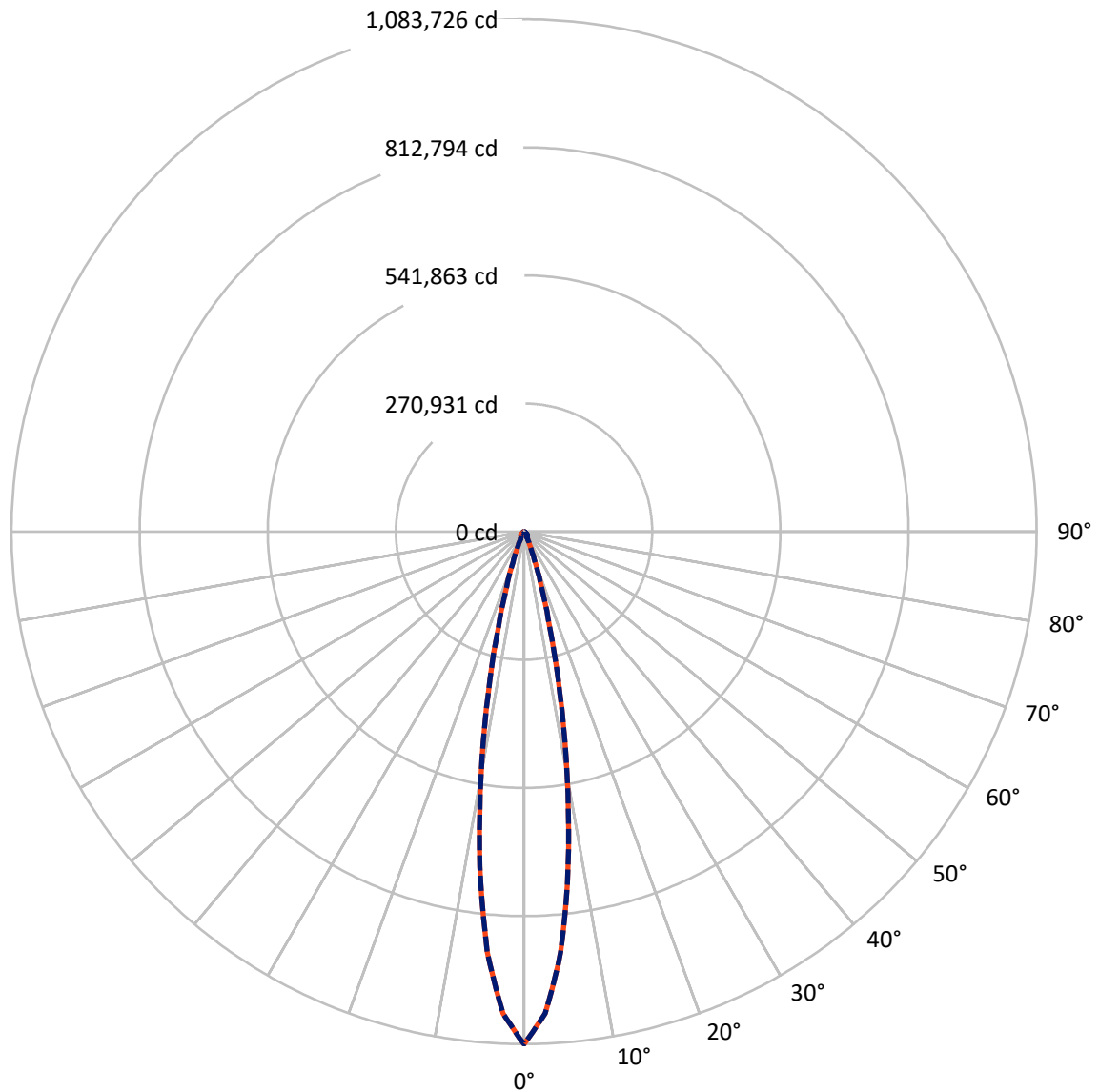
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Lumen Table

90	0.3	2.0		7.1		17.1		22.3		17.1		7.1		2.0		0.3
80	0.3	2.0		7.1		17.1		22.3		17.1		7.1		2.0		0.3
70	0.9	1.1	4.2	11.8	22.7	34.5	44.4	49.9	49.9	44.4	34.5	22.7	11.8	4.2	1.1	0.9
60		3.2	13.4	31.8	55.0	76.8	92.7	101.4	101.4	92.7	76.8	55.0	31.8	13.4	3.2	
50	2.3	7.3	26.0	55.4	86.5	143.5	216.5	257.0	257.0	216.5	143.5	86.5	55.4	26.0	7.3	2.3
40		12.1	38.9	74.9	167.9	279.2	323.7	341.6	341.6	323.7	279.2	167.9	74.9	38.9	12.1	
30	5.0	16.6	49.1	113.1	252.7	313.2	419.4	724.2	724.2	419.4	313.2	252.7	113.1	49.1	16.6	5.0
20		20.0	55.5	160.5	274.7	394.5	1896.5	6026.5	6026.5	1896.5	394.5	274.7	160.5	55.5	20.0	
10	6.1	21.8	58.9	184.3	281.1	665.7	5876.9	20808.4	20808.4	5876.9	665.7	281.1	184.3	58.9	21.8	6.1
0		21.8	58.9	184.3	281.1	665.7	5876.9	20808.4	20808.4	5876.9	665.7	281.1	184.3	58.9	21.8	
-10	5.0	20.0	55.5	160.5	274.7	394.5	1896.5	6026.5	6026.5	1896.5	394.5	274.7	160.5	55.5	20.0	5.0
-20		16.6	49.1	113.1	252.7	313.2	419.4	724.2	724.2	419.4	313.2	252.7	113.1	49.1	16.6	
-30	2.3	12.1	38.9	74.9	167.9	279.2	323.7	341.6	341.6	323.7	279.2	167.9	74.9	38.9	12.1	2.3
-40		7.3	26.0	55.4	86.5	143.5	216.5	257.0	257.0	216.5	143.5	86.5	55.4	26.0	7.3	
-50	0.9	3.2	13.4	31.8	55.0	76.8	92.7	101.4	101.4	92.7	76.8	55.0	31.8	13.4	3.2	0.9
-60		1.1	4.2	11.8	22.7	34.5	44.4	49.9	49.9	44.4	34.5	22.7	11.8	4.2	1.1	
-70	0.3	2.0		7.1		17.1		22.3		17.1		7.1		2.0		0.3
-80		2.0		7.1		17.1		22.3		17.1		7.1		2.0		
-90	0.3	2.0		7.1		17.1		22.3		17.1		7.1		2.0		0.3

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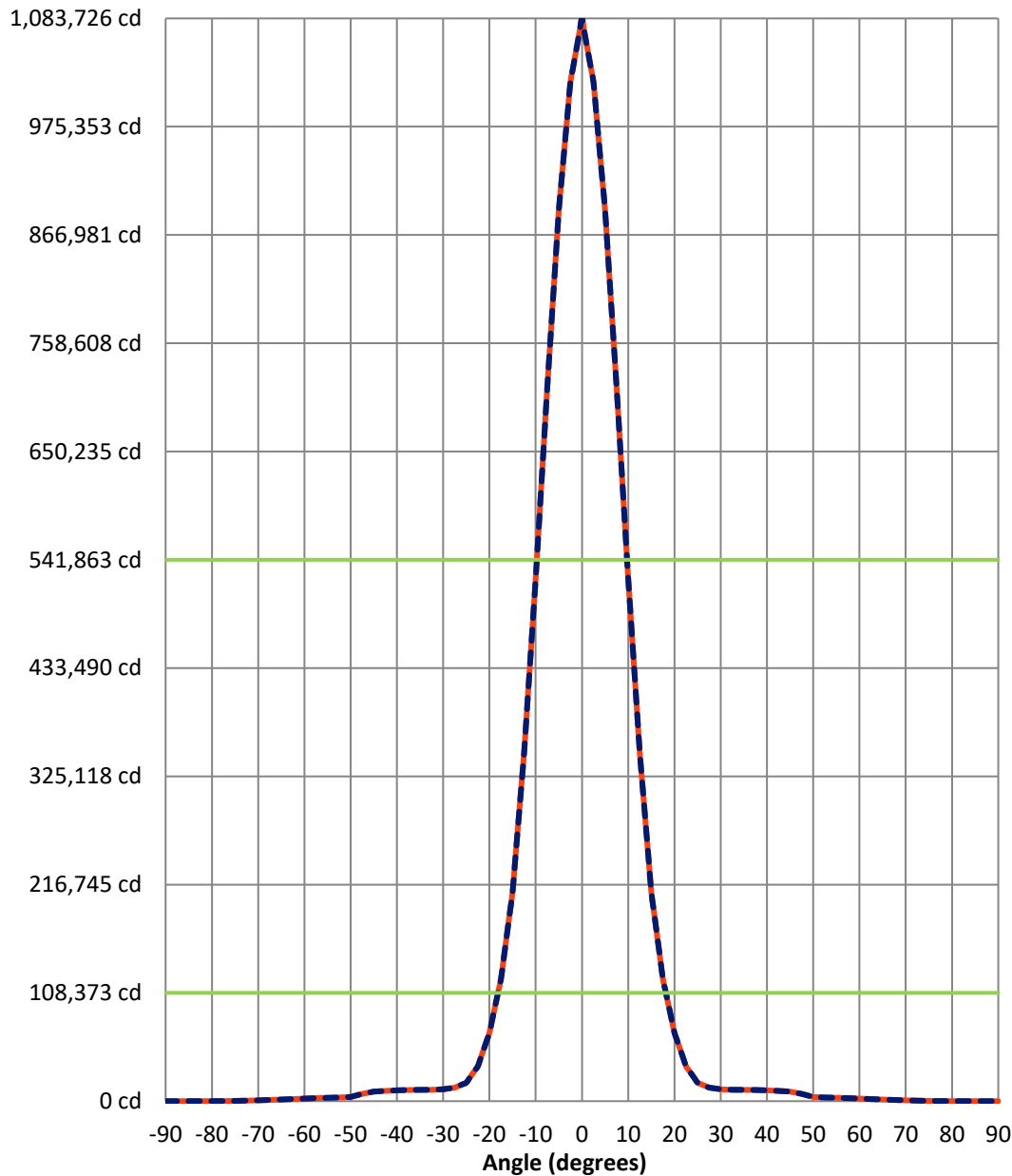
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 19.5°
 V Angle: 19.5°
 Lumens: 73483.4
 Efficiency: 44.6%

Field:
 H Angle: 36.3°
 V Angle: 36.3°
 Lumens: 127713.2
 Efficiency: 77.4%

Spill:
 Lumens: 37229.9
 Efficiency: 22.6%

— 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	0.8	1.6	2.4	3.1	3.9	4.7	5.4	6.2	6.9	7.6
85°	0.0	1.6	3.2	4.7	6.3	7.8	9.4	10.9	12.4	13.8	15.3
82.5°	0.0	2.4	4.7	7.1	9.4	11.7	14.0	16.3	18.3	19.4	20.5
80°	0.0	3.1	6.3	9.4	12.5	15.6	18.4	19.9	21.4	22.9	24.3
77.5°	0.0	3.9	7.8	11.7	15.6	18.8	20.7	22.6	24.5	26.3	29.0
75°	0.0	4.7	9.4	14.0	18.4	20.7	23.0	25.2	27.8	32.2	36.5
72.5°	0.0	5.4	10.9	16.3	19.9	22.6	25.2	28.6	33.8	38.9	44.0
70°	0.0	6.2	12.4	18.3	21.4	24.5	27.8	33.8	39.7	45.6	51.3
67.5°	0.0	6.9	13.8	19.4	22.9	26.3	32.2	38.9	45.6	52.1	58.5
65°	0.0	7.6	15.3	20.5	24.3	29.0	36.5	44.0	51.3	58.5	69.8
62.5°	0.0	8.4	16.7	21.6	25.7	32.6	40.8	48.9	56.9	67.4	90.8
60°	0.0	9.0	18.1	22.6	27.1	36.0	44.9	53.7	62.4	86.0	111.4
57.5°	0.0	9.7	18.8	23.6	29.8	39.4	49.0	58.4	76.3	104.2	156.5
55°	0.0	10.4	19.4	24.6	32.4	42.7	52.9	63.0	92.1	129.1	212.3
52.5°	0.0	11.0	20.1	25.6	35.0	45.9	56.7	75.4	107.5	177.9	266.5
50°	0.0	11.6	20.7	26.5	37.5	49.0	60.4	88.5	130.3	225.3	349.7
47.5°	0.0	12.2	21.3	27.6	39.8	52.0	65.0	101.0	171.0	271.2	433.7
45°	0.0	12.8	21.9	29.4	42.1	54.8	75.4	113.1	210.2	343.3	514.8
42.5°	0.0	13.3	22.4	31.0	44.3	57.6	85.3	137.1	247.9	413.2	609.4
40°	0.0	13.9	22.9	32.6	46.4	60.2	94.8	168.4	291.4	480.2	702.7
37.5°	0.0	14.4	23.4	34.1	48.4	62.7	103.8	198.3	347.8	548.3	791.7
35°	0.0	14.8	23.9	35.5	50.3	68.1	112.3	226.6	401.2	623.9	881.7
32.5°	0.0	15.3	24.3	36.8	52.1	74.8	124.7	253.2	451.6	695.1	974.9
30°	0.0	15.7	24.8	38.1	53.7	81.0	145.9	281.8	498.7	761.8	1062.4
27.5°	0.0	16.1	25.1	39.2	55.2	86.8	165.6	319.9	546.6	823.9	1143.8
25°	0.0	16.4	25.5	40.3	56.7	92.1	183.8	355.0	597.1	887.5	1219.4
22.5°	0.0	16.7	25.8	41.2	57.9	97.0	200.3	387.0	643.1	948.7	1298.1
20°	0.0	17.0	26.1	42.1	59.1	101.3	215.2	415.8	684.6	1003.9	1369.1
17.5°	0.0	17.3	26.4	42.9	60.1	105.2	228.4	441.4	721.6	1053.0	1432.3
15°	0.0	17.5	26.6	43.5	61.0	108.6	240.0	463.8	753.7	1095.8	1487.5
12.5°	0.0	17.7	26.8	44.1	61.8	111.4	249.8	482.7	781.1	1132.3	1534.5
10°	0.0	17.8	26.9	44.6	62.4	113.8	257.8	498.3	803.6	1162.2	1573.1
7.5°	0.0	17.9	27.0	44.9	62.9	115.6	264.1	510.5	821.1	1185.6	1603.3
5°	0.0	18.0	27.1	45.2	63.2	116.9	268.6	519.2	833.7	1202.4	1624.9
2.5°	0.0	18.1	27.2	45.3	63.4	117.7	271.3	524.5	841.3	1212.4	1637.9
0°	0.0	18.1	27.2	45.4	63.5	118.0	272.2	526.2	843.8	1215.8	1642.2
-2.5°	0.0	18.1	27.2	45.3	63.4	117.7	271.3	524.5	841.3	1212.4	1637.9
-5°	0.0	18.0	27.1	45.2	63.2	116.9	268.6	519.2	833.7	1202.4	1624.9
-7.5°	0.0	17.9	27.0	44.9	62.9	115.6	264.1	510.5	821.1	1185.6	1603.3
-10°	0.0	17.8	26.9	44.6	62.4	113.8	257.8	498.3	803.6	1162.2	1573.1
-12.5°	0.0	17.7	26.8	44.1	61.8	111.4	249.8	482.7	781.1	1132.3	1534.5
-15°	0.0	17.5	26.6	43.5	61.0	108.6	240.0	463.8	753.7	1095.8	1487.5
-17.5°	0.0	17.3	26.4	42.9	60.1	105.2	228.4	441.4	721.6	1053.0	1432.3
-20°	0.0	17.0	26.1	42.1	59.1	101.3	215.2	415.8	684.6	1003.9	1369.1



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 CATALOG NUMBER: EPH-LS16-1200R-57-80-1S-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	16.7	25.8	41.2	57.9	97.0	200.3	387.0	643.1	948.7	1298.1
-25°	0.0	16.4	25.5	40.3	56.7	92.1	183.8	355.0	597.1	887.5	1219.4
-27.5°	0.0	16.1	25.1	39.2	55.2	86.8	165.6	319.9	546.6	823.9	1143.8
-30°	0.0	15.7	24.8	38.1	53.7	81.0	145.9	281.8	498.7	761.8	1062.4
-32.5°	0.0	15.3	24.3	36.8	52.1	74.8	124.7	253.2	451.6	695.1	974.9
-35°	0.0	14.8	23.9	35.5	50.3	68.1	112.3	226.6	401.2	623.9	881.7
-37.5°	0.0	14.4	23.4	34.1	48.4	62.7	103.8	198.3	347.8	548.3	791.7
-40°	0.0	13.9	22.9	32.6	46.4	60.2	94.8	168.4	291.4	480.2	702.7
-42.5°	0.0	13.3	22.4	31.0	44.3	57.6	85.3	137.1	247.9	413.2	609.4
-45°	0.0	12.8	21.9	29.4	42.1	54.8	75.4	113.1	210.2	343.3	514.8
-47.5°	0.0	12.2	21.3	27.6	39.8	52.0	65.0	101.0	171.0	271.2	433.7
-50°	0.0	11.6	20.7	26.5	37.5	49.0	60.4	88.5	130.3	225.3	349.7
-52.5°	0.0	11.0	20.1	25.6	35.0	45.9	56.7	75.4	107.5	177.9	266.5
-55°	0.0	10.4	19.4	24.6	32.4	42.7	52.9	63.0	92.1	129.1	212.3
-57.5°	0.0	9.7	18.8	23.6	29.8	39.4	49.0	58.4	76.3	104.2	156.5
-60°	0.0	9.0	18.1	22.6	27.1	36.0	44.9	53.7	62.4	86.0	111.4
-62.5°	0.0	8.4	16.7	21.6	25.7	32.6	40.8	48.9	56.9	67.4	90.8
-65°	0.0	7.6	15.3	20.5	24.3	29.0	36.5	44.0	51.3	58.5	69.8
-67.5°	0.0	6.9	13.8	19.4	22.9	26.3	32.2	38.9	45.6	52.1	58.5
-70°	0.0	6.2	12.4	18.3	21.4	24.5	27.8	33.8	39.7	45.6	51.3
-72.5°	0.0	5.4	10.9	16.3	19.9	22.6	25.2	28.6	33.8	38.9	44.0
-75°	0.0	4.7	9.4	14.0	18.4	20.7	23.0	25.2	27.8	32.2	36.5
-77.5°	0.0	3.9	7.8	11.7	15.6	18.8	20.7	22.6	24.5	26.3	29.0
-80°	0.0	3.1	6.3	9.4	12.5	15.6	18.4	19.9	21.4	22.9	24.3
-82.5°	0.0	2.4	4.7	7.1	9.4	11.7	14.0	16.3	18.3	19.4	20.5
-85°	0.0	1.6	3.2	4.7	6.3	7.8	9.4	10.9	12.4	13.8	15.3
-87.5°	0.0	0.8	1.6	2.4	3.1	3.9	4.7	5.4	6.2	6.9	7.6
-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-LS16-1200R-57-80-1S-A

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°	8.4	9.0	9.7	10.4	11.0	11.6	12.2	12.8	13.3	13.9	14.4
85°	16.7	18.1	18.8	19.4	20.1	20.7	21.3	21.9	22.4	22.9	23.4
82.5°	21.6	22.6	23.6	24.6	25.6	26.5	27.6	29.4	31.0	32.6	34.1
80°	25.7	27.1	29.8	32.4	35.0	37.5	39.8	42.1	44.3	46.4	48.4
77.5°	32.6	36.0	39.4	42.7	45.9	49.0	52.0	54.8	57.6	60.2	62.7
75°	40.8	44.9	49.0	52.9	56.7	60.4	65.0	75.4	85.3	94.8	103.8
72.5°	48.9	53.7	58.4	63.0	75.4	88.5	101.0	113.1	137.1	168.4	198.3
70°	56.9	62.4	76.3	92.1	107.5	130.3	171.0	210.2	247.9	291.4	347.8
67.5°	67.4	86.0	104.2	129.1	177.9	225.3	271.2	343.3	413.2	480.2	548.3
65°	90.8	111.4	156.5	212.3	266.5	349.7	433.7	514.8	609.4	702.7	791.7
62.5°	113.9	170.3	233.0	308.6	406.9	502.4	612.2	724.0	831.5	950.2	1065.4
60°	170.3	240.0	331.5	441.4	554.3	684.6	811.1	948.7	1086.6	1219.4	1364.3
57.5°	233.0	331.5	453.0	583.3	728.5	874.2	1034.9	1190.4	1358.6	1523.7	1685.0
55°	308.6	441.4	583.3	743.1	908.8	1087.0	1266.8	1459.3	1645.3	1839.3	2025.0
52.5°	406.9	554.3	728.5	908.8	1104.5	1307.2	1520.2	1734.2	1951.1	2162.1	2370.2
50°	502.4	684.6	874.2	1087.0	1307.2	1540.6	1778.9	2018.7	2256.7	2489.4	2710.5
47.5°	612.2	811.1	1034.9	1266.8	1520.2	1778.9	2041.4	2304.3	2561.6	2806.0	3040.7
45°	724.0	948.7	1190.4	1459.3	1734.2	2018.7	2304.3	2585.8	2854.1	3096.5	3269.8
42.5°	831.5	1086.6	1358.6	1645.3	1951.1	2256.7	2561.6	2854.1	3113.5	3304.3	3476.9
40°	950.2	1219.4	1523.7	1839.3	2162.1	2489.4	2806.0	3096.5	3304.3	3492.5	3666.1
37.5°	1065.4	1364.3	1685.0	2025.0	2370.2	2710.5	3040.7	3269.8	3476.9	3666.1	4002.7
35°	1174.9	1502.0	1848.1	2205.8	2568.9	2920.2	3201.5	3430.3	3634.3	3972.2	4872.0
32.5°	1287.3	1632.3	2002.5	2380.1	2754.2	3100.5	3349.7	3571.3	3881.2	4521.2	6670.2
30°	1398.5	1764.2	2149.4	2544.3	2928.6	3230.9	3478.2	3731.5	4149.3	6133.6	8113.7
27.5°	1502.0	1888.0	2290.2	2695.6	3081.4	3353.1	3595.2	3967.4	5251.6	7565.7	9337.4
25°	1597.7	2002.5	2420.6	2835.2	3186.4	3457.6	3730.2	4187.6	6584.4	8640.1	9855.3
22.5°	1688.8	2107.4	2540.1	2963.2	3282.8	3550.5	3918.7	5187.4	7685.8	9604.1	10171.5
20°	1774.6	2205.8	2647.0	3072.6	3370.3	3635.0	4090.2	6232.2	8533.2	9873.8	10431.4
17.5°	1851.0	2293.6	2741.7	3144.3	3441.4	3742.0	4359.9	7170.4	9295.9	10117.2	10652.2
15°	1917.7	2370.2	2824.5	3207.1	3502.3	3866.4	5121.4	7819.9	9702.0	10322.5	10845.8
12.5°	1974.5	2435.6	2895.1	3260.7	3554.4	3972.9	5773.9	8352.7	9872.8	10478.2	10950.5
10°	2021.3	2489.4	2953.3	3304.9	3597.4	4060.8	6313.4	8793.9	10014.5	10607.6	11037.6
7.5°	2057.8	2531.5	2998.8	3339.5	3631.0	4129.7	6736.7	9140.3	10125.8	10709.5	11106.4
5°	2084.0	2561.6	3031.4	3364.4	3655.2	4179.2	7041.0	9389.7	10206.1	10783.1	11156.1
2.5°	2099.7	2579.7	3051.0	3379.3	3669.7	4209.0	7224.4	9540.1	10254.5	10827.5	11186.1
0°	2105.0	2585.8	3057.6	3384.3	3674.6	4219.0	7285.7	9590.3	10270.7	10842.3	11196.2
-2.5°	2099.7	2579.7	3051.0	3379.3	3669.7	4209.0	7224.4	9540.1	10254.5	10827.5	11186.1
-5°	2084.0	2561.6	3031.4	3364.4	3655.2	4179.2	7041.0	9389.7	10206.1	10783.1	11156.1
-7.5°	2057.8	2531.5	2998.8	3339.5	3631.0	4129.7	6736.7	9140.3	10125.8	10709.5	11106.4
-10°	2021.3	2489.4	2953.3	3304.9	3597.4	4060.8	6313.4	8793.9	10014.5	10607.6	11037.6
-12.5°	1974.5	2435.6	2895.1	3260.7	3554.4	3972.9	5773.9	8352.7	9872.8	10478.2	10950.5
-15°	1917.7	2370.2	2824.5	3207.1	3502.3	3866.4	5121.4	7819.9	9702.0	10322.5	10845.8
-17.5°	1851.0	2293.6	2741.7	3144.3	3441.4	3742.0	4359.9	7170.4	9295.9	10117.2	10652.2
-20°	1774.6	2205.8	2647.0	3072.6	3370.3	3635.0	4090.2	6232.2	8533.2	9873.8	10431.4



REPORT NUMBER: P1306566 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-1S-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1688.8	2107.4	2540.1	2963.2	3282.8	3550.5	3918.7	5187.4	7685.8	9604.1	10171.5
-25°	1597.7	2002.5	2420.6	2835.2	3186.4	3457.6	3730.2	4187.6	6584.4	8640.1	9855.3
-27.5°	1502.0	1888.0	2290.2	2695.6	3081.4	3353.1	3595.2	3967.4	5251.6	7565.7	9337.4
-30°	1398.5	1764.2	2149.4	2544.3	2928.6	3230.9	3478.2	3731.5	4149.3	6133.6	8113.7
-32.5°	1287.3	1632.3	2002.5	2380.1	2754.2	3100.5	3349.7	3571.3	3881.2	4521.2	6670.2
-35°	1174.9	1502.0	1848.1	2205.8	2568.9	2920.2	3201.5	3430.3	3634.3	3972.2	4872.0
-37.5°	1065.4	1364.3	1685.0	2025.0	2370.2	2710.5	3040.7	3269.8	3476.9	3666.1	4002.7
-40°	950.2	1219.4	1523.7	1839.3	2162.1	2489.4	2806.0	3096.5	3304.3	3492.5	3666.1
-42.5°	831.5	1086.6	1358.6	1645.3	1951.1	2256.7	2561.6	2854.1	3113.5	3304.3	3476.9
-45°	724.0	948.7	1190.4	1459.3	1734.2	2018.7	2304.3	2585.8	2854.1	3096.5	3269.8
-47.5°	612.2	811.1	1034.9	1266.8	1520.2	1778.9	2041.4	2304.3	2561.6	2806.0	3040.7
-50°	502.4	684.6	874.2	1087.0	1307.2	1540.6	1778.9	2018.7	2256.7	2489.4	2710.5
-52.5°	406.9	554.3	728.5	908.8	1104.5	1307.2	1520.2	1734.2	1951.1	2162.1	2370.2
-55°	308.6	441.4	583.3	743.1	908.8	1087.0	1266.8	1459.3	1645.3	1839.3	2025.0
-57.5°	233.0	331.5	453.0	583.3	728.5	874.2	1034.9	1190.4	1358.6	1523.7	1685.0
-60°	170.3	240.0	331.5	441.4	554.3	684.6	811.1	948.7	1086.6	1219.4	1364.3
-62.5°	113.9	170.3	233.0	308.6	406.9	502.4	612.2	724.0	831.5	950.2	1065.4
-65°	90.8	111.4	156.5	212.3	266.5	349.7	433.7	514.8	609.4	702.7	791.7
-67.5°	67.4	86.0	104.2	129.1	177.9	225.3	271.2	343.3	413.2	480.2	548.3
-70°	56.9	62.4	76.3	92.1	107.5	130.3	171.0	210.2	247.9	291.4	347.8
-72.5°	48.9	53.7	58.4	63.0	75.4	88.5	101.0	113.1	137.1	168.4	198.3
-75°	40.8	44.9	49.0	52.9	56.7	60.4	65.0	75.4	85.3	94.8	103.8
-77.5°	32.6	36.0	39.4	42.7	45.9	49.0	52.0	54.8	57.6	60.2	62.7
-80°	25.7	27.1	29.8	32.4	35.0	37.5	39.8	42.1	44.3	46.4	48.4
-82.5°	21.6	22.6	23.6	24.6	25.6	26.5	27.6	29.4	31.0	32.6	34.1
-85°	16.7	18.1	18.8	19.4	20.1	20.7	21.3	21.9	22.4	22.9	23.4
-87.5°	8.4	9.0	9.7	10.4	11.0	11.6	12.2	12.8	13.3	13.9	14.4
-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: P1306566 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-1S-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°	14.8	15.3	15.7	16.1	16.4	16.7	17.0	17.3	17.5	17.7	17.8
85°	23.9	24.3	24.8	25.1	25.5	25.8	26.1	26.4	26.6	26.8	26.9
82.5°	35.5	36.8	38.1	39.2	40.3	41.2	42.1	42.9	43.5	44.1	44.6
80°	50.3	52.1	53.7	55.2	56.7	57.9	59.1	60.1	61.0	61.8	62.4
77.5°	68.1	74.8	81.0	86.8	92.1	97.0	101.3	105.2	108.6	111.4	113.8
75°	112.3	124.7	145.9	165.6	183.8	200.3	215.2	228.4	240.0	249.8	257.8
72.5°	226.6	253.2	281.8	319.9	355.0	387.0	415.8	441.4	463.8	482.7	498.3
70°	401.2	451.6	498.7	546.6	597.1	643.1	684.6	721.6	753.7	781.1	803.6
67.5°	623.9	695.1	761.8	823.9	887.5	948.7	1003.9	1053.0	1095.8	1132.3	1162.2
65°	881.7	974.9	1062.4	1143.8	1219.4	1298.1	1369.1	1432.3	1487.5	1534.5	1573.1
62.5°	1174.9	1287.3	1398.5	1502.0	1597.7	1688.8	1774.6	1851.0	1917.7	1974.5	2021.3
60°	1502.0	1632.3	1764.2	1888.0	2002.5	2107.4	2205.8	2293.6	2370.2	2435.6	2489.4
57.5°	1848.1	2002.5	2149.4	2290.2	2420.6	2540.1	2647.0	2741.7	2824.5	2895.1	2953.3
55°	2205.8	2380.1	2544.3	2695.6	2835.2	2963.2	3072.6	3144.3	3207.1	3260.7	3304.9
52.5°	2568.9	2754.2	2928.6	3081.4	3186.4	3282.8	3370.3	3441.4	3502.3	3554.4	3597.4
50°	2920.2	3100.5	3230.9	3353.1	3457.6	3550.5	3635.0	3742.0	3866.4	3972.9	4060.8
47.5°	3201.5	3349.7	3478.2	3595.2	3730.2	3918.7	4090.2	4359.9	5121.4	5773.9	6313.4
45°	3430.3	3571.3	3731.5	3967.4	4187.6	5187.4	6232.2	7170.4	7819.9	8352.7	8793.9
42.5°	3634.3	3881.2	4149.3	5251.6	6584.4	7685.8	8533.2	9295.9	9702.0	9872.8	10014.5
40°	3972.2	4521.2	6133.6	7565.7	8640.1	9604.1	9873.8	10117.2	10322.5	10478.2	10607.6
37.5°	4872.0	6670.2	8113.7	9337.4	9855.3	10171.5	10431.4	10652.2	10845.8	10950.5	11037.6
35°	6850.3	8390.7	9641.1	10026.3	10370.5	10655.4	10889.2	11036.8	11168.1	11226.9	11261.0
32.5°	8390.7	9683.3	10112.8	10482.4	10808.3	11010.3	11185.2	11249.4	11300.5	11332.5	11348.4
30°	9641.1	10112.8	10520.0	10869.2	11084.4	11228.7	11296.2	11338.1	11361.9	11425.1	11593.5
27.5°	10026.3	10482.4	10869.2	11109.3	11247.2	11323.9	11355.1	11435.5	11684.5	11902.9	12486.2
25°	10370.5	10808.3	11084.4	11247.2	11328.1	11363.7	11565.4	11863.9	12635.4	13393.0	14925.9
22.5°	10655.4	11010.3	11228.7	11323.9	11363.7	11609.3	12068.1	13091.0	14891.3	17314.3	21646.2
20°	10889.2	11185.2	11296.2	11355.1	11565.4	12068.1	13245.5	15840.1	19674.8	28710.5	38077.7
17.5°	11036.8	11249.4	11338.1	11435.5	11863.9	13091.0	15840.1	21401.8	32372.9	49806.8	67372.0
15°	11168.1	11300.5	11361.9	11684.5	12635.4	14891.3	19674.8	32372.9	53829.9	80646.6	112372.0
12.5°	11226.9	11332.5	11425.1	11902.9	13393.0	17314.3	28710.5	49806.8	80646.6	120077.4	175934.9
10°	11261.0	11348.4	11593.5	12486.2	14925.9	21646.2	38077.7	67372.0	112372.0	175934.9	253646.1
7.5°	11287.9	11361.1	11727.4	12954.1	16435.6	27342.0	50950.2	90150.4	149057.7	231741.2	350346.7
5°	11307.4	11370.3	11824.9	13295.6	17542.2	31541.1	60513.7	107732.2	181653.9	290674.8	440593.7
2.5°	11319.2	11375.8	11884.0	13503.5	18218.2	34117.2	66415.0	118670.4	202177.3	333071.9	501693.9
0°	11323.2	11377.7	11903.9	13573.3	18445.6	34985.8	68411.1	122386.9	209198.2	348860.2	523181.4
-2.5°	11319.2	11375.8	11884.0	13503.5	18218.2	34117.2	66415.0	118670.4	202177.3	333071.9	501693.9
-5°	11307.4	11370.3	11824.9	13295.6	17542.2	31541.1	60513.7	107732.2	181653.9	290674.8	440593.7
-7.5°	11287.9	11361.1	11727.4	12954.1	16435.6	27342.0	50950.2	90150.4	149057.7	231741.2	350346.7
-10°	11261.0	11348.4	11593.5	12486.2	14925.9	21646.2	38077.7	67372.0	112372.0	175934.9	253646.1
-12.5°	11226.9	11332.5	11425.1	11902.9	13393.0	17314.3	28710.5	49806.8	80646.6	120077.4	175934.9
-15°	11168.1	11300.5	11361.9	11684.5	12635.4	14891.3	19674.8	32372.9	53829.9	80646.6	112372.0
-17.5°	11036.8	11249.4	11338.1	11435.5	11863.9	13091.0	15840.1	21401.8	32372.9	49806.8	67372.0
-20°	10889.2	11185.2	11296.2	11355.1	11565.4	12068.1	13245.5	15840.1	19674.8	28710.5	38077.7



REPORT NUMBER: P1306566 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-1S-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10655.4	11010.3	11228.7	11323.9	11363.7	11609.3	12068.1	13091.0	14891.3	17314.3	21646.2
-25°	10370.5	10808.3	11084.4	11247.2	11328.1	11363.7	11565.4	11863.9	12635.4	13393.0	14925.9
-27.5°	10026.3	10482.4	10869.2	11109.3	11247.2	11323.9	11355.1	11435.5	11684.5	11902.9	12486.2
-30°	9641.1	10112.8	10520.0	10869.2	11084.4	11228.7	11296.2	11338.1	11361.9	11425.1	11593.5
-32.5°	8390.7	9683.3	10112.8	10482.4	10808.3	11010.3	11185.2	11249.4	11300.5	11332.5	11348.4
-35°	6850.3	8390.7	9641.1	10026.3	10370.5	10655.4	10889.2	11036.8	11168.1	11226.9	11261.0
-37.5°	4872.0	6670.2	8113.7	9337.4	9855.3	10171.5	10431.4	10652.2	10845.8	10950.5	11037.6
-40°	3972.2	4521.2	6133.6	7565.7	8640.1	9604.1	9873.8	10117.2	10322.5	10478.2	10607.6
-42.5°	3634.3	3881.2	4149.3	5251.6	6584.4	7685.8	8533.2	9295.9	9702.0	9872.8	10014.5
-45°	3430.3	3571.3	3731.5	3967.4	4187.6	5187.4	6232.2	7170.4	7819.9	8352.7	8793.9
-47.5°	3201.5	3349.7	3478.2	3595.2	3730.2	3918.7	4090.2	4359.9	5121.4	5773.9	6313.4
-50°	2920.2	3100.5	3230.9	3353.1	3457.6	3550.5	3635.0	3742.0	3866.4	3972.9	4060.8
-52.5°	2568.9	2754.2	2928.6	3081.4	3186.4	3282.8	3370.3	3441.4	3502.3	3554.4	3597.4
-55°	2205.8	2380.1	2544.3	2695.6	2835.2	2963.2	3072.6	3144.3	3207.1	3260.7	3304.9
-57.5°	1848.1	2002.5	2149.4	2290.2	2420.6	2540.1	2647.0	2741.7	2824.5	2895.1	2953.3
-60°	1502.0	1632.3	1764.2	1888.0	2002.5	2107.4	2205.8	2293.6	2370.2	2435.6	2489.4
-62.5°	1174.9	1287.3	1398.5	1502.0	1597.7	1688.8	1774.6	1851.0	1917.7	1974.5	2021.3
-65°	881.7	974.9	1062.4	1143.8	1219.4	1298.1	1369.1	1432.3	1487.5	1534.5	1573.1
-67.5°	623.9	695.1	761.8	823.9	887.5	948.7	1003.9	1053.0	1095.8	1132.3	1162.2
-70°	401.2	451.6	498.7	546.6	597.1	643.1	684.6	721.6	753.7	781.1	803.6
-72.5°	226.6	253.2	281.8	319.9	355.0	387.0	415.8	441.4	463.8	482.7	498.3
-75°	112.3	124.7	145.9	165.6	183.8	200.3	215.2	228.4	240.0	249.8	257.8
-77.5°	68.1	74.8	81.0	86.8	92.1	97.0	101.3	105.2	108.6	111.4	113.8
-80°	50.3	52.1	53.7	55.2	56.7	57.9	59.1	60.1	61.0	61.8	62.4
-82.5°	35.5	36.8	38.1	39.2	40.3	41.2	42.1	42.9	43.5	44.1	44.6
-85°	23.9	24.3	24.8	25.1	25.5	25.8	26.1	26.4	26.6	26.8	26.9
-87.5°	14.8	15.3	15.7	16.1	16.4	16.7	17.0	17.3	17.5	17.7	17.8
-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: P1306566 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-1S-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°	17.9	18.0	18.1	18.1	18.1	18.0	17.9	17.8	17.7	17.5	17.3
85°	27.0	27.1	27.2	27.2	27.2	27.1	27.0	26.9	26.8	26.6	26.4
82.5°	44.9	45.2	45.3	45.4	45.3	45.2	44.9	44.6	44.1	43.5	42.9
80°	62.9	63.2	63.4	63.5	63.4	63.2	62.9	62.4	61.8	61.0	60.1
77.5°	115.6	116.9	117.7	118.0	117.7	116.9	115.6	113.8	111.4	108.6	105.2
75°	264.1	268.6	271.3	272.2	271.3	268.6	264.1	257.8	249.8	240.0	228.4
72.5°	510.5	519.2	524.5	526.2	524.5	519.2	510.5	498.3	482.7	463.8	441.4
70°	821.1	833.7	841.3	843.8	841.3	833.7	821.1	803.6	781.1	753.7	721.6
67.5°	1185.6	1202.4	1212.4	1215.8	1212.4	1202.4	1185.6	1162.2	1132.3	1095.8	1053.0
65°	1603.3	1624.9	1637.9	1642.2	1637.9	1624.9	1603.3	1573.1	1534.5	1487.5	1432.3
62.5°	2057.8	2084.0	2099.7	2105.0	2099.7	2084.0	2057.8	2021.3	1974.5	1917.7	1851.0
60°	2531.5	2561.6	2579.7	2585.8	2579.7	2561.6	2531.5	2489.4	2435.6	2370.2	2293.6
57.5°	2998.8	3031.4	3051.0	3057.6	3051.0	3031.4	2998.8	2953.3	2895.1	2824.5	2741.7
55°	3339.5	3364.4	3379.3	3384.3	3379.3	3364.4	3339.5	3304.9	3260.7	3207.1	3144.3
52.5°	3631.0	3655.2	3669.7	3674.6	3669.7	3655.2	3631.0	3597.4	3554.4	3502.3	3441.4
50°	4129.7	4179.2	4209.0	4219.0	4209.0	4179.2	4129.7	4060.8	3972.9	3866.4	3742.0
47.5°	6736.7	7041.0	7224.4	7285.7	7224.4	7041.0	6736.7	6313.4	5773.9	5121.4	4359.9
45°	9140.3	9389.7	9540.1	9590.3	9540.1	9389.7	9140.3	8793.9	8352.7	7819.9	7170.4
42.5°	10125.8	10206.1	10254.5	10270.7	10254.5	10206.1	10125.8	10014.5	9872.8	9702.0	9295.9
40°	10709.5	10783.1	10827.5	10842.3	10827.5	10783.1	10709.5	10607.6	10478.2	10322.5	10117.2
37.5°	11106.4	11156.1	11186.1	11196.2	11186.1	11156.1	11106.4	11037.6	10950.5	10845.8	10652.2
35°	11287.9	11307.4	11319.2	11323.2	11319.2	11307.4	11287.9	11261.0	11226.9	11168.1	11036.8
32.5°	11361.1	11370.3	11375.8	11377.7	11375.8	11370.3	11361.1	11348.4	11332.5	11300.5	11249.4
30°	11727.4	11824.9	11884.0	11903.9	11884.0	11824.9	11727.4	11593.5	11425.1	11361.9	11338.1
27.5°	12954.1	13295.6	13503.5	13573.3	13503.5	13295.6	12954.1	12486.2	11902.9	11684.5	11435.5
25°	16435.6	17542.2	18218.2	18445.6	18218.2	17542.2	16435.6	14925.9	13393.0	12635.4	11863.9
22.5°	27342.0	31541.1	34117.2	34985.8	34117.2	31541.1	27342.0	21646.2	17314.3	14891.3	13091.0
20°	50950.2	60513.7	66415.0	68411.1	66415.0	60513.7	50950.2	38077.7	28710.5	19674.8	15840.1
17.5°	90150.4	107732.2	118670.4	122386.9	118670.4	107732.2	90150.4	67372.0	49806.8	32372.9	21401.8
15°	149057.7	181653.9	202177.3	209198.2	202177.3	181653.9	149057.7	112372.0	80646.6	53829.9	32372.9
12.5°	231741.2	290674.8	333071.9	348860.2	333071.9	290674.8	231741.2	175934.9	120077.4	80646.6	49806.8
10°	350346.7	440593.7	501693.9	523181.4	501693.9	440593.7	350346.7	253646.1	175934.9	112372.0	67372.0
7.5°	481472.1	595343.9	681375.9	714033.9	681375.9	595343.9	481472.1	350346.7	231741.2	149057.7	90150.4
5°	595343.9	749119.7	853927.1	891666.7	853927.1	749119.7	595343.9	440593.7	290674.8	181653.9	107732.2
2.5°	681375.9	853927.1	970449.9	#####	970449.9	853927.1	681375.9	501693.9	333071.9	202177.3	118670.4
0°	714033.9	891666.7	#####	#####	#####	891666.7	714033.9	523181.4	348860.2	209198.2	122386.9
-2.5°	681375.9	853927.1	970449.9	#####	970449.9	853927.1	681375.9	501693.9	333071.9	202177.3	118670.4
-5°	595343.9	749119.7	853927.1	891666.7	853927.1	749119.7	595343.9	440593.7	290674.8	181653.9	107732.2
-7.5°	481472.1	595343.9	681375.9	714033.9	681375.9	595343.9	481472.1	350346.7	231741.2	149057.7	90150.4
-10°	350346.7	440593.7	501693.9	523181.4	501693.9	440593.7	350346.7	253646.1	175934.9	112372.0	67372.0
-12.5°	231741.2	290674.8	333071.9	348860.2	333071.9	290674.8	231741.2	175934.9	120077.4	80646.6	49806.8
-15°	149057.7	181653.9	202177.3	209198.2	202177.3	181653.9	149057.7	112372.0	80646.6	53829.9	32372.9
-17.5°	90150.4	107732.2	118670.4	122386.9	118670.4	107732.2	90150.4	67372.0	49806.8	32372.9	21401.8
-20°	50950.2	60513.7	66415.0	68411.1	66415.0	60513.7	50950.2	38077.7	28710.5	19674.8	15840.1



REPORT NUMBER: P1306566 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-1S-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	27342.0	31541.1	34117.2	34985.8	34117.2	31541.1	27342.0	21646.2	17314.3	14891.3	13091.0
-25°	16435.6	17542.2	18218.2	18445.6	18218.2	17542.2	16435.6	14925.9	13393.0	12635.4	11863.9
-27.5°	12954.1	13295.6	13503.5	13573.3	13503.5	13295.6	12954.1	12486.2	11902.9	11684.5	11435.5
-30°	11727.4	11824.9	11884.0	11903.9	11884.0	11824.9	11727.4	11593.5	11425.1	11361.9	11338.1
-32.5°	11361.1	11370.3	11375.8	11377.7	11375.8	11370.3	11361.1	11348.4	11332.5	11300.5	11249.4
-35°	11287.9	11307.4	11319.2	11323.2	11319.2	11307.4	11287.9	11261.0	11226.9	11168.1	11036.8
-37.5°	11106.4	11156.1	11186.1	11196.2	11186.1	11156.1	11106.4	11037.6	10950.5	10845.8	10652.2
-40°	10709.5	10783.1	10827.5	10842.3	10827.5	10783.1	10709.5	10607.6	10478.2	10322.5	10117.2
-42.5°	10125.8	10206.1	10254.5	10270.7	10254.5	10206.1	10125.8	10014.5	9872.8	9702.0	9295.9
-45°	9140.3	9389.7	9540.1	9590.3	9540.1	9389.7	9140.3	8793.9	8352.7	7819.9	7170.4
-47.5°	6736.7	7041.0	7224.4	7285.7	7224.4	7041.0	6736.7	6313.4	5773.9	5121.4	4359.9
-50°	4129.7	4179.2	4209.0	4219.0	4209.0	4179.2	4129.7	4060.8	3972.9	3866.4	3742.0
-52.5°	3631.0	3655.2	3669.7	3674.6	3669.7	3655.2	3631.0	3597.4	3554.4	3502.3	3441.4
-55°	3339.5	3364.4	3379.3	3384.3	3379.3	3364.4	3339.5	3304.9	3260.7	3207.1	3144.3
-57.5°	2998.8	3031.4	3051.0	3057.6	3051.0	3031.4	2998.8	2953.3	2895.1	2824.5	2741.7
-60°	2531.5	2561.6	2579.7	2585.8	2579.7	2561.6	2531.5	2489.4	2435.6	2370.2	2293.6
-62.5°	2057.8	2084.0	2099.7	2105.0	2099.7	2084.0	2057.8	2021.3	1974.5	1917.7	1851.0
-65°	1603.3	1624.9	1637.9	1642.2	1637.9	1624.9	1603.3	1573.1	1534.5	1487.5	1432.3
-67.5°	1185.6	1202.4	1212.4	1215.8	1212.4	1202.4	1185.6	1162.2	1132.3	1095.8	1053.0
-70°	821.1	833.7	841.3	843.8	841.3	833.7	821.1	803.6	781.1	753.7	721.6
-72.5°	510.5	519.2	524.5	526.2	524.5	519.2	510.5	498.3	482.7	463.8	441.4
-75°	264.1	268.6	271.3	272.2	271.3	268.6	264.1	257.8	249.8	240.0	228.4
-77.5°	115.6	116.9	117.7	118.0	117.7	116.9	115.6	113.8	111.4	108.6	105.2
-80°	62.9	63.2	63.4	63.5	63.4	63.2	62.9	62.4	61.8	61.0	60.1
-82.5°	44.9	45.2	45.3	45.4	45.3	45.2	44.9	44.6	44.1	43.5	42.9
-85°	27.0	27.1	27.2	27.2	27.2	27.1	27.0	26.9	26.8	26.6	26.4
-87.5°	17.9	18.0	18.1	18.1	18.1	18.0	17.9	17.8	17.7	17.5	17.3
-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: P1306566 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-1S-A

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°	17.0	16.7	16.4	16.1	15.7	15.3	14.8	14.4	13.9	13.3	12.8
85°	26.1	25.8	25.5	25.1	24.8	24.3	23.9	23.4	22.9	22.4	21.9
82.5°	42.1	41.2	40.3	39.2	38.1	36.8	35.5	34.1	32.6	31.0	29.4
80°	59.1	57.9	56.7	55.2	53.7	52.1	50.3	48.4	46.4	44.3	42.1
77.5°	101.3	97.0	92.1	86.8	81.0	74.8	68.1	62.7	60.2	57.6	54.8
75°	215.2	200.3	183.8	165.6	145.9	124.7	112.3	103.8	94.8	85.3	75.4
72.5°	415.8	387.0	355.0	319.9	281.8	253.2	226.6	198.3	168.4	137.1	113.1
70°	684.6	643.1	597.1	546.6	498.7	451.6	401.2	347.8	291.4	247.9	210.2
67.5°	1003.9	948.7	887.5	823.9	761.8	695.1	623.9	548.3	480.2	413.2	343.3
65°	1369.1	1298.1	1219.4	1143.8	1062.4	974.9	881.7	791.7	702.7	609.4	514.8
62.5°	1774.6	1688.8	1597.7	1502.0	1398.5	1287.3	1174.9	1065.4	950.2	831.5	724.0
60°	2205.8	2107.4	2002.5	1888.0	1764.2	1632.3	1502.0	1364.3	1219.4	1086.6	948.7
57.5°	2647.0	2540.1	2420.6	2290.2	2149.4	2002.5	1848.1	1685.0	1523.7	1358.6	1190.4
55°	3072.6	2963.2	2835.2	2695.6	2544.3	2380.1	2205.8	2025.0	1839.3	1645.3	1459.3
52.5°	3370.3	3282.8	3186.4	3081.4	2928.6	2754.2	2568.9	2370.2	2162.1	1951.1	1734.2
50°	3635.0	3550.5	3457.6	3353.1	3230.9	3100.5	2920.2	2710.5	2489.4	2256.7	2018.7
47.5°	4090.2	3918.7	3730.2	3595.2	3478.2	3349.7	3201.5	3040.7	2806.0	2561.6	2304.3
45°	6232.2	5187.4	4187.6	3967.4	3731.5	3571.3	3430.3	3269.8	3096.5	2854.1	2585.8
42.5°	8533.2	7685.8	6584.4	5251.6	4149.3	3881.2	3634.3	3476.9	3304.3	3113.5	2854.1
40°	9873.8	9604.1	8640.1	7565.7	6133.6	4521.2	3972.2	3666.1	3492.5	3304.3	3096.5
37.5°	10431.4	10171.5	9855.3	9337.4	8113.7	6670.2	4872.0	4002.7	3666.1	3476.9	3269.8
35°	10889.2	10655.4	10370.5	10026.3	9641.1	8390.7	6850.3	4872.0	3972.2	3634.3	3430.3
32.5°	11185.2	11010.3	10808.3	10482.4	10112.8	9683.3	8390.7	6670.2	4521.2	3881.2	3571.3
30°	11296.2	11228.7	11084.4	10869.2	10520.0	10112.8	9641.1	8113.7	6133.6	4149.3	3731.5
27.5°	11355.1	11323.9	11247.2	11109.3	10869.2	10482.4	10026.3	9337.4	7565.7	5251.6	3967.4
25°	11565.4	11363.7	11328.1	11247.2	11084.4	10808.3	10370.5	9855.3	8640.1	6584.4	4187.6
22.5°	12068.1	11609.3	11363.7	11323.9	11228.7	11010.3	10655.4	10171.5	9604.1	7685.8	5187.4
20°	13245.5	12068.1	11565.4	11355.1	11296.2	11185.2	10889.2	10431.4	9873.8	8533.2	6232.2
17.5°	15840.1	13091.0	11863.9	11435.5	11338.1	11249.4	11036.8	10652.2	10117.2	9295.9	7170.4
15°	19674.8	14891.3	12635.4	11684.5	11361.9	11300.5	11168.1	10845.8	10322.5	9702.0	7819.9
12.5°	28710.5	17314.3	13393.0	11902.9	11425.1	11332.5	11226.9	10950.5	10478.2	9872.8	8352.7
10°	38077.7	21646.2	14925.9	12486.2	11593.5	11348.4	11261.0	11037.6	10607.6	10014.5	8793.9
7.5°	50950.2	27342.0	16435.6	12954.1	11727.4	11361.1	11287.9	11106.4	10709.5	10125.8	9140.3
5°	60513.7	31541.1	17542.2	13295.6	11824.9	11370.3	11307.4	11156.1	10783.1	10206.1	9389.7
2.5°	66415.0	34117.2	18218.2	13503.5	11884.0	11375.8	11319.2	11186.1	10827.5	10254.5	9540.1
0°	68411.1	34985.8	18445.6	13573.3	11903.9	11377.7	11323.2	11196.2	10842.3	10270.7	9590.3
-2.5°	66415.0	34117.2	18218.2	13503.5	11884.0	11375.8	11319.2	11186.1	10827.5	10254.5	9540.1
-5°	60513.7	31541.1	17542.2	13295.6	11824.9	11370.3	11307.4	11156.1	10783.1	10206.1	9389.7
-7.5°	50950.2	27342.0	16435.6	12954.1	11727.4	11361.1	11287.9	11106.4	10709.5	10125.8	9140.3
-10°	38077.7	21646.2	14925.9	12486.2	11593.5	11348.4	11261.0	11037.6	10607.6	10014.5	8793.9
-12.5°	28710.5	17314.3	13393.0	11902.9	11425.1	11332.5	11226.9	10950.5	10478.2	9872.8	8352.7
-15°	19674.8	14891.3	12635.4	11684.5	11361.9	11300.5	11168.1	10845.8	10322.5	9702.0	7819.9
-17.5°	15840.1	13091.0	11863.9	11435.5	11338.1	11249.4	11036.8	10652.2	10117.2	9295.9	7170.4
-20°	13245.5	12068.1	11565.4	11355.1	11296.2	11185.2	10889.2	10431.4	9873.8	8533.2	6232.2



REPORT NUMBER: P1306566 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-1S-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	12068.1	11609.3	11363.7	11323.9	11228.7	11010.3	10655.4	10171.5	9604.1	7685.8	5187.4
-25°	11565.4	11363.7	11328.1	11247.2	11084.4	10808.3	10370.5	9855.3	8640.1	6584.4	4187.6
-27.5°	11355.1	11323.9	11247.2	11109.3	10869.2	10482.4	10026.3	9337.4	7565.7	5251.6	3967.4
-30°	11296.2	11228.7	11084.4	10869.2	10520.0	10112.8	9641.1	8113.7	6133.6	4149.3	3731.5
-32.5°	11185.2	11010.3	10808.3	10482.4	10112.8	9683.3	8390.7	6670.2	4521.2	3881.2	3571.3
-35°	10889.2	10655.4	10370.5	10026.3	9641.1	8390.7	6850.3	4872.0	3972.2	3634.3	3430.3
-37.5°	10431.4	10171.5	9855.3	9337.4	8113.7	6670.2	4872.0	4002.7	3666.1	3476.9	3269.8
-40°	9873.8	9604.1	8640.1	7565.7	6133.6	4521.2	3972.2	3666.1	3492.5	3304.3	3096.5
-42.5°	8533.2	7685.8	6584.4	5251.6	4149.3	3881.2	3634.3	3476.9	3304.3	3113.5	2854.1
-45°	6232.2	5187.4	4187.6	3967.4	3731.5	3571.3	3430.3	3269.8	3096.5	2854.1	2585.8
-47.5°	4090.2	3918.7	3730.2	3595.2	3478.2	3349.7	3201.5	3040.7	2806.0	2561.6	2304.3
-50°	3635.0	3550.5	3457.6	3353.1	3230.9	3100.5	2920.2	2710.5	2489.4	2256.7	2018.7
-52.5°	3370.3	3282.8	3186.4	3081.4	2928.6	2754.2	2568.9	2370.2	2162.1	1951.1	1734.2
-55°	3072.6	2963.2	2835.2	2695.6	2544.3	2380.1	2205.8	2025.0	1839.3	1645.3	1459.3
-57.5°	2647.0	2540.1	2420.6	2290.2	2149.4	2002.5	1848.1	1685.0	1523.7	1358.6	1190.4
-60°	2205.8	2107.4	2002.5	1888.0	1764.2	1632.3	1502.0	1364.3	1219.4	1086.6	948.7
-62.5°	1774.6	1688.8	1597.7	1502.0	1398.5	1287.3	1174.9	1065.4	950.2	831.5	724.0
-65°	1369.1	1298.1	1219.4	1143.8	1062.4	974.9	881.7	791.7	702.7	609.4	514.8
-67.5°	1003.9	948.7	887.5	823.9	761.8	695.1	623.9	548.3	480.2	413.2	343.3
-70°	684.6	643.1	597.1	546.6	498.7	451.6	401.2	347.8	291.4	247.9	210.2
-72.5°	415.8	387.0	355.0	319.9	281.8	253.2	226.6	198.3	168.4	137.1	113.1
-75°	215.2	200.3	183.8	165.6	145.9	124.7	112.3	103.8	94.8	85.3	75.4
-77.5°	101.3	97.0	92.1	86.8	81.0	74.8	68.1	62.7	60.2	57.6	54.8
-80°	59.1	57.9	56.7	55.2	53.7	52.1	50.3	48.4	46.4	44.3	42.1
-82.5°	42.1	41.2	40.3	39.2	38.1	36.8	35.5	34.1	32.6	31.0	29.4
-85°	26.1	25.8	25.5	25.1	24.8	24.3	23.9	23.4	22.9	22.4	21.9
-87.5°	17.0	16.7	16.4	16.1	15.7	15.3	14.8	14.4	13.9	13.3	12.8
-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: P1306566 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-1S-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°	12.2	11.6	11.0	10.4	9.7	9.0	8.4	7.6	6.9	6.2	5.4
85°	21.3	20.7	20.1	19.4	18.8	18.1	16.7	15.3	13.8	12.4	10.9
82.5°	27.6	26.5	25.6	24.6	23.6	22.6	21.6	20.5	19.4	18.3	16.3
80°	39.8	37.5	35.0	32.4	29.8	27.1	25.7	24.3	22.9	21.4	19.9
77.5°	52.0	49.0	45.9	42.7	39.4	36.0	32.6	29.0	26.3	24.5	22.6
75°	65.0	60.4	56.7	52.9	49.0	44.9	40.8	36.5	32.2	27.8	25.2
72.5°	101.0	88.5	75.4	63.0	58.4	53.7	48.9	44.0	38.9	33.8	28.6
70°	171.0	130.3	107.5	92.1	76.3	62.4	56.9	51.3	45.6	39.7	33.8
67.5°	271.2	225.3	177.9	129.1	104.2	86.0	67.4	58.5	52.1	45.6	38.9
65°	433.7	349.7	266.5	212.3	156.5	111.4	90.8	69.8	58.5	51.3	44.0
62.5°	612.2	502.4	406.9	308.6	233.0	170.3	113.9	90.8	67.4	56.9	48.9
60°	811.1	684.6	554.3	441.4	331.5	240.0	170.3	111.4	86.0	62.4	53.7
57.5°	1034.9	874.2	728.5	583.3	453.0	331.5	233.0	156.5	104.2	76.3	58.4
55°	1266.8	1087.0	908.8	743.1	583.3	441.4	308.6	212.3	129.1	92.1	63.0
52.5°	1520.2	1307.2	1104.5	908.8	728.5	554.3	406.9	266.5	177.9	107.5	75.4
50°	1778.9	1540.6	1307.2	1087.0	874.2	684.6	502.4	349.7	225.3	130.3	88.5
47.5°	2041.4	1778.9	1520.2	1266.8	1034.9	811.1	612.2	433.7	271.2	171.0	101.0
45°	2304.3	2018.7	1734.2	1459.3	1190.4	948.7	724.0	514.8	343.3	210.2	113.1
42.5°	2561.6	2256.7	1951.1	1645.3	1358.6	1086.6	831.5	609.4	413.2	247.9	137.1
40°	2806.0	2489.4	2162.1	1839.3	1523.7	1219.4	950.2	702.7	480.2	291.4	168.4
37.5°	3040.7	2710.5	2370.2	2025.0	1685.0	1364.3	1065.4	791.7	548.3	347.8	198.3
35°	3201.5	2920.2	2568.9	2205.8	1848.1	1502.0	1174.9	881.7	623.9	401.2	226.6
32.5°	3349.7	3100.5	2754.2	2380.1	2002.5	1632.3	1287.3	974.9	695.1	451.6	253.2
30°	3478.2	3230.9	2928.6	2544.3	2149.4	1764.2	1398.5	1062.4	761.8	498.7	281.8
27.5°	3595.2	3353.1	3081.4	2695.6	2290.2	1888.0	1502.0	1143.8	823.9	546.6	319.9
25°	3730.2	3457.6	3186.4	2835.2	2420.6	2002.5	1597.7	1219.4	887.5	597.1	355.0
22.5°	3918.7	3550.5	3282.8	2963.2	2540.1	2107.4	1688.8	1298.1	948.7	643.1	387.0
20°	4090.2	3635.0	3370.3	3072.6	2647.0	2205.8	1774.6	1369.1	1003.9	684.6	415.8
17.5°	4359.9	3742.0	3441.4	3144.3	2741.7	2293.6	1851.0	1432.3	1053.0	721.6	441.4
15°	5121.4	3866.4	3502.3	3207.1	2824.5	2370.2	1917.7	1487.5	1095.8	753.7	463.8
12.5°	5773.9	3972.9	3554.4	3260.7	2895.1	2435.6	1974.5	1534.5	1132.3	781.1	482.7
10°	6313.4	4060.8	3597.4	3304.9	2953.3	2489.4	2021.3	1573.1	1162.2	803.6	498.3
7.5°	6736.7	4129.7	3631.0	3339.5	2998.8	2531.5	2057.8	1603.3	1185.6	821.1	510.5
5°	7041.0	4179.2	3655.2	3364.4	3031.4	2561.6	2084.0	1624.9	1202.4	833.7	519.2
2.5°	7224.4	4209.0	3669.7	3379.3	3051.0	2579.7	2099.7	1637.9	1212.4	841.3	524.5
0°	7285.7	4219.0	3674.6	3384.3	3057.6	2585.8	2105.0	1642.2	1215.8	843.8	526.2
-2.5°	7224.4	4209.0	3669.7	3379.3	3051.0	2579.7	2099.7	1637.9	1212.4	841.3	524.5
-5°	7041.0	4179.2	3655.2	3364.4	3031.4	2561.6	2084.0	1624.9	1202.4	833.7	519.2
-7.5°	6736.7	4129.7	3631.0	3339.5	2998.8	2531.5	2057.8	1603.3	1185.6	821.1	510.5
-10°	6313.4	4060.8	3597.4	3304.9	2953.3	2489.4	2021.3	1573.1	1162.2	803.6	498.3
-12.5°	5773.9	3972.9	3554.4	3260.7	2895.1	2435.6	1974.5	1534.5	1132.3	781.1	482.7
-15°	5121.4	3866.4	3502.3	3207.1	2824.5	2370.2	1917.7	1487.5	1095.8	753.7	463.8
-17.5°	4359.9	3742.0	3441.4	3144.3	2741.7	2293.6	1851.0	1432.3	1053.0	721.6	441.4
-20°	4090.2	3635.0	3370.3	3072.6	2647.0	2205.8	1774.6	1369.1	1003.9	684.6	415.8



REPORT NUMBER: P1306566 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-1S-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3918.7	3550.5	3282.8	2963.2	2540.1	2107.4	1688.8	1298.1	948.7	643.1	387.0
-25°	3730.2	3457.6	3186.4	2835.2	2420.6	2002.5	1597.7	1219.4	887.5	597.1	355.0
-27.5°	3595.2	3353.1	3081.4	2695.6	2290.2	1888.0	1502.0	1143.8	823.9	546.6	319.9
-30°	3478.2	3230.9	2928.6	2544.3	2149.4	1764.2	1398.5	1062.4	761.8	498.7	281.8
-32.5°	3349.7	3100.5	2754.2	2380.1	2002.5	1632.3	1287.3	974.9	695.1	451.6	253.2
-35°	3201.5	2920.2	2568.9	2205.8	1848.1	1502.0	1174.9	881.7	623.9	401.2	226.6
-37.5°	3040.7	2710.5	2370.2	2025.0	1685.0	1364.3	1065.4	791.7	548.3	347.8	198.3
-40°	2806.0	2489.4	2162.1	1839.3	1523.7	1219.4	950.2	702.7	480.2	291.4	168.4
-42.5°	2561.6	2256.7	1951.1	1645.3	1358.6	1086.6	831.5	609.4	413.2	247.9	137.1
-45°	2304.3	2018.7	1734.2	1459.3	1190.4	948.7	724.0	514.8	343.3	210.2	113.1
-47.5°	2041.4	1778.9	1520.2	1266.8	1034.9	811.1	612.2	433.7	271.2	171.0	101.0
-50°	1778.9	1540.6	1307.2	1087.0	874.2	684.6	502.4	349.7	225.3	130.3	88.5
-52.5°	1520.2	1307.2	1104.5	908.8	728.5	554.3	406.9	266.5	177.9	107.5	75.4
-55°	1266.8	1087.0	908.8	743.1	583.3	441.4	308.6	212.3	129.1	92.1	63.0
-57.5°	1034.9	874.2	728.5	583.3	453.0	331.5	233.0	156.5	104.2	76.3	58.4
-60°	811.1	684.6	554.3	441.4	331.5	240.0	170.3	111.4	86.0	62.4	53.7
-62.5°	612.2	502.4	406.9	308.6	233.0	170.3	113.9	90.8	67.4	56.9	48.9
-65°	433.7	349.7	266.5	212.3	156.5	111.4	90.8	69.8	58.5	51.3	44.0
-67.5°	271.2	225.3	177.9	129.1	104.2	86.0	67.4	58.5	52.1	45.6	38.9
-70°	171.0	130.3	107.5	92.1	76.3	62.4	56.9	51.3	45.6	39.7	33.8
-72.5°	101.0	88.5	75.4	63.0	58.4	53.7	48.9	44.0	38.9	33.8	28.6
-75°	65.0	60.4	56.7	52.9	49.0	44.9	40.8	36.5	32.2	27.8	25.2
-77.5°	52.0	49.0	45.9	42.7	39.4	36.0	32.6	29.0	26.3	24.5	22.6
-80°	39.8	37.5	35.0	32.4	29.8	27.1	25.7	24.3	22.9	21.4	19.9
-82.5°	27.6	26.5	25.6	24.6	23.6	22.6	21.6	20.5	19.4	18.3	16.3
-85°	21.3	20.7	20.1	19.4	18.8	18.1	16.7	15.3	13.8	12.4	10.9
-87.5°	12.2	11.6	11.0	10.4	9.7	9.0	8.4	7.6	6.9	6.2	5.4
-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: P1306566 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-1S-A

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°	4.7	3.9	3.1	2.4	1.6	0.8	0.0
85°	9.4	7.8	6.3	4.7	3.2	1.6	0.0
82.5°	14.0	11.7	9.4	7.1	4.7	2.4	0.0
80°	18.4	15.6	12.5	9.4	6.3	3.1	0.0
77.5°	20.7	18.8	15.6	11.7	7.8	3.9	0.0
75°	23.0	20.7	18.4	14.0	9.4	4.7	0.0
72.5°	25.2	22.6	19.9	16.3	10.9	5.4	0.0
70°	27.8	24.5	21.4	18.3	12.4	6.2	0.0
67.5°	32.2	26.3	22.9	19.4	13.8	6.9	0.0
65°	36.5	29.0	24.3	20.5	15.3	7.6	0.0
62.5°	40.8	32.6	25.7	21.6	16.7	8.4	0.0
60°	44.9	36.0	27.1	22.6	18.1	9.0	0.0
57.5°	49.0	39.4	29.8	23.6	18.8	9.7	0.0
55°	52.9	42.7	32.4	24.6	19.4	10.4	0.0
52.5°	56.7	45.9	35.0	25.6	20.1	11.0	0.0
50°	60.4	49.0	37.5	26.5	20.7	11.6	0.0
47.5°	65.0	52.0	39.8	27.6	21.3	12.2	0.0
45°	75.4	54.8	42.1	29.4	21.9	12.8	0.0
42.5°	85.3	57.6	44.3	31.0	22.4	13.3	0.0
40°	94.8	60.2	46.4	32.6	22.9	13.9	0.0
37.5°	103.8	62.7	48.4	34.1	23.4	14.4	0.0
35°	112.3	68.1	50.3	35.5	23.9	14.8	0.0
32.5°	124.7	74.8	52.1	36.8	24.3	15.3	0.0
30°	145.9	81.0	53.7	38.1	24.8	15.7	0.0
27.5°	165.6	86.8	55.2	39.2	25.1	16.1	0.0
25°	183.8	92.1	56.7	40.3	25.5	16.4	0.0
22.5°	200.3	97.0	57.9	41.2	25.8	16.7	0.0
20°	215.2	101.3	59.1	42.1	26.1	17.0	0.0
17.5°	228.4	105.2	60.1	42.9	26.4	17.3	0.0
15°	240.0	108.6	61.0	43.5	26.6	17.5	0.0
12.5°	249.8	111.4	61.8	44.1	26.8	17.7	0.0
10°	257.8	113.8	62.4	44.6	26.9	17.8	0.0
7.5°	264.1	115.6	62.9	44.9	27.0	17.9	0.0
5°	268.6	116.9	63.2	45.2	27.1	18.0	0.0
2.5°	271.3	117.7	63.4	45.3	27.2	18.1	0.0
0°	272.2	118.0	63.5	45.4	27.2	18.1	0.0
-2.5°	271.3	117.7	63.4	45.3	27.2	18.1	0.0
-5°	268.6	116.9	63.2	45.2	27.1	18.0	0.0
-7.5°	264.1	115.6	62.9	44.9	27.0	17.9	0.0
-10°	257.8	113.8	62.4	44.6	26.9	17.8	0.0
-12.5°	249.8	111.4	61.8	44.1	26.8	17.7	0.0
-15°	240.0	108.6	61.0	43.5	26.6	17.5	0.0
-17.5°	228.4	105.2	60.1	42.9	26.4	17.3	0.0
-20°	215.2	101.3	59.1	42.1	26.1	17.0	0.0



REPORT NUMBER: P1306566 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-1S-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	200.3	97.0	57.9	41.2	25.8	16.7	0.0
-25°	183.8	92.1	56.7	40.3	25.5	16.4	0.0
-27.5°	165.6	86.8	55.2	39.2	25.1	16.1	0.0
-30°	145.9	81.0	53.7	38.1	24.8	15.7	0.0
-32.5°	124.7	74.8	52.1	36.8	24.3	15.3	0.0
-35°	112.3	68.1	50.3	35.5	23.9	14.8	0.0
-37.5°	103.8	62.7	48.4	34.1	23.4	14.4	0.0
-40°	94.8	60.2	46.4	32.6	22.9	13.9	0.0
-42.5°	85.3	57.6	44.3	31.0	22.4	13.3	0.0
-45°	75.4	54.8	42.1	29.4	21.9	12.8	0.0
-47.5°	65.0	52.0	39.8	27.6	21.3	12.2	0.0
-50°	60.4	49.0	37.5	26.5	20.7	11.6	0.0
-52.5°	56.7	45.9	35.0	25.6	20.1	11.0	0.0
-55°	52.9	42.7	32.4	24.6	19.4	10.4	0.0
-57.5°	49.0	39.4	29.8	23.6	18.8	9.7	0.0
-60°	44.9	36.0	27.1	22.6	18.1	9.0	0.0
-62.5°	40.8	32.6	25.7	21.6	16.7	8.4	0.0
-65°	36.5	29.0	24.3	20.5	15.3	7.6	0.0
-67.5°	32.2	26.3	22.9	19.4	13.8	6.9	0.0
-70°	27.8	24.5	21.4	18.3	12.4	6.2	0.0
-72.5°	25.2	22.6	19.9	16.3	10.9	5.4	0.0
-75°	23.0	20.7	18.4	14.0	9.4	4.7	0.0
-77.5°	20.7	18.8	15.6	11.7	7.8	3.9	0.0
-80°	18.4	15.6	12.5	9.4	6.3	3.1	0.0
-82.5°	14.0	11.7	9.4	7.1	4.7	2.4	0.0
-85°	9.4	7.8	6.3	4.7	3.2	1.6	0.0
-87.5°	4.7	3.9	3.1	2.4	1.6	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)