

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: P1306514 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200R-40-80-1S-A**

Issue Date: 2/3/2026

Test Information

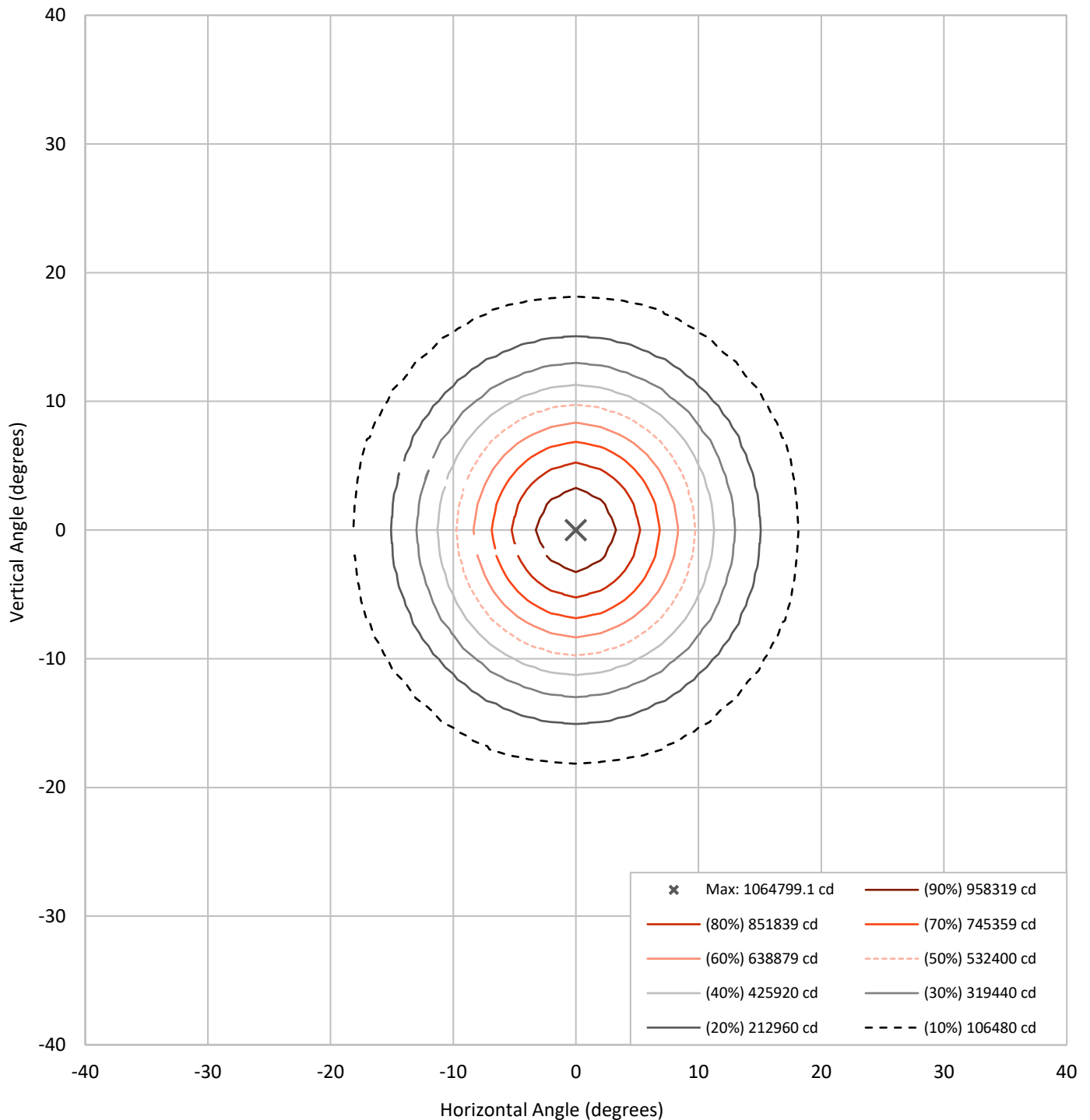
Test Method: LM-79-08
Report Number: P1306514 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-46)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS16-1200R-40-80-1S-A
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 4000K, 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:	162062.4 lumens	Max Intensity:	1064799.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	125.6 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:	72200 lumens	Field Lumens:	125482.7 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





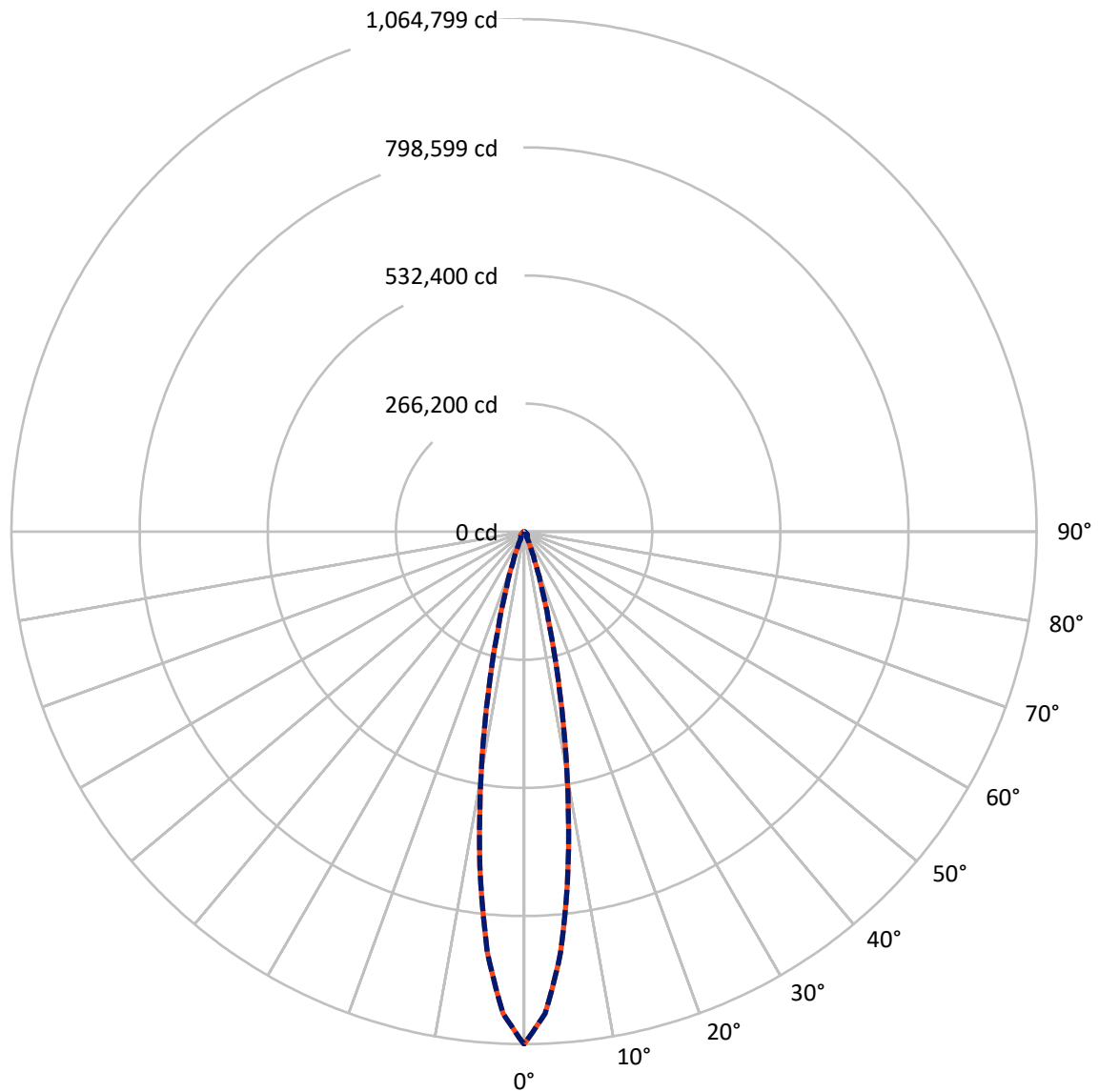
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Lumen Table

90																			
80	0.3	1.9		7.0		16.8		21.9		16.8		7.0		1.9		0.3			
70																			
60	0.9	1.0	4.2	11.6	22.3	33.9	43.6	49.0	49.0	43.6	33.9	22.3	11.6	4.2	1.0	0.9			
		3.1	13.2	31.2	54.0	75.5	91.1	99.6	99.6	91.1	75.5	54.0	31.2	13.2	3.1				
50																			
40	2.3	7.1	25.5	54.4	85.0	141.0	212.7	252.5	252.5	212.7	141.0	85.0	54.4	25.5	7.1	2.3			
		11.9	38.2	73.6	164.9	274.3	318.0	335.7	335.7	318.0	274.3	164.9	73.6	38.2	11.9				
30																			
20	4.9	16.3	48.2	111.2	248.3	307.7	412.1	711.5	711.5	412.1	307.7	248.3	111.2	48.2	16.3	4.9			
		19.7	54.6	157.7	269.9	387.6	1863.4	5921.3	5921.3	1863.4	387.6	269.9	157.7	54.6	19.7				
10																			
0	6.0	21.4	57.9	181.1	276.2	654.0	5774.3	20445.0	20445.0	5774.3	654.0	276.2	181.1	57.9	21.4	6.0			
		21.4	57.9	181.1	276.2	654.0	5774.3	20445.0	20445.0	5774.3	654.0	276.2	181.1	57.9	21.4				
-10																			
-20	4.9	19.7	54.6	157.7	269.9	387.6	1863.4	5921.3	5921.3	1863.4	387.6	269.9	157.7	54.6	19.7	4.9			
		16.3	48.2	111.2	248.3	307.7	412.1	711.5	711.5	412.1	307.7	248.3	111.2	48.2	16.3				
-30																			
-40	2.3	11.9	38.2	73.6	164.9	274.3	318.0	335.7	335.7	318.0	274.3	164.9	73.6	38.2	11.9	2.3			
		7.1	25.5	54.4	85.0	141.0	212.7	252.5	252.5	212.7	141.0	85.0	54.4	25.5	7.1				
-50																			
-60	0.9	3.1	13.2	31.2	54.0	75.5	91.1	99.6	99.6	91.1	75.5	54.0	31.2	13.2	3.1	0.9			
		1.0	4.2	11.6	22.3	33.9	43.6	49.0	49.0	43.6	33.9	22.3	11.6	4.2	1.0				
-70																			
-80	0.3	1.9		7.0		16.8		21.9		16.8		7.0		1.9		0.3			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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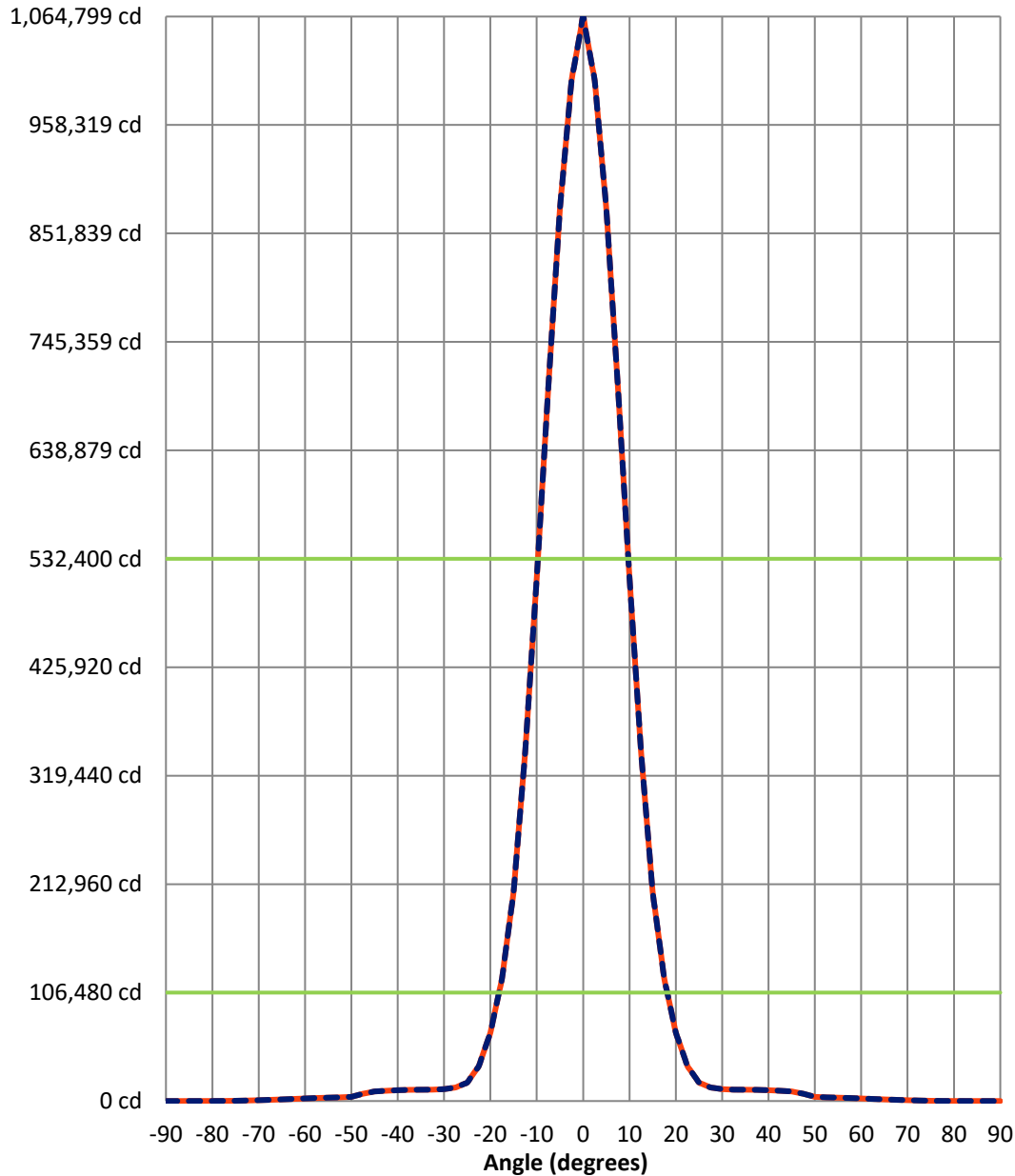
Luminous Intensity Polar Plot



— 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: 72200
 Efficiency: 44.6%

Field:
 H Angle: 36.3°
 V Angle: 36.3°
 Lumens: 125482.7
 Efficiency: 77.4%

Spill:
 Lumens: 36579.6
 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	2.3	3.1	3.9	4.6	5.4	6.1	6.8	7.5
85°	0.0	1.6	3.1	4.6	6.2	7.7	9.2	10.7	12.2	13.6	15.0
82.5°	0.0	2.3	4.6	7.0	9.2	11.5	13.8	16.0	18.0	19.1	20.2
80°	0.0	3.1	6.2	9.2	12.3	15.3	18.1	19.6	21.0	22.5	23.9
77.5°	0.0	3.9	7.7	11.5	15.3	18.5	20.3	22.2	24.0	25.8	28.5
75°	0.0	4.6	9.2	13.8	18.1	20.3	22.6	24.8	27.3	31.6	35.9
72.5°	0.0	5.4	10.7	16.0	19.6	22.2	24.8	28.0	33.2	38.2	43.2
70°	0.0	6.1	12.2	18.0	21.0	24.0	27.3	33.2	39.0	44.7	50.4
67.5°	0.0	6.8	13.6	19.1	22.5	25.8	31.6	38.2	44.7	51.2	57.5
65°	0.0	7.5	15.0	20.2	23.9	28.5	35.9	43.2	50.4	57.5	68.6
62.5°	0.0	8.2	16.4	21.2	25.3	32.0	40.0	48.0	55.9	66.2	89.2
60°	0.0	8.9	17.8	22.2	26.6	35.4	44.1	52.8	61.3	84.5	109.5
57.5°	0.0	9.6	18.5	23.2	29.2	38.7	48.1	57.4	75.0	102.3	153.8
55°	0.0	10.2	19.1	24.2	31.8	42.0	52.0	61.9	90.5	126.8	208.5
52.5°	0.0	10.8	19.7	25.1	34.3	45.1	55.7	74.1	105.6	174.8	261.8
50°	0.0	11.4	20.3	26.0	36.8	48.1	59.4	86.9	128.0	221.3	343.5
47.5°	0.0	12.0	20.9	27.1	39.1	51.1	63.9	99.2	168.0	266.4	426.1
45°	0.0	12.6	21.5	28.8	41.4	53.9	74.1	111.1	206.5	337.3	505.8
42.5°	0.0	13.1	22.0	30.4	43.6	56.6	83.8	134.6	243.5	406.0	598.8
40°	0.0	13.6	22.5	32.0	45.6	59.2	93.1	165.5	286.3	471.8	690.5
37.5°	0.0	14.1	23.0	33.5	47.6	61.6	102.0	194.8	341.7	538.7	777.9
35°	0.0	14.6	23.5	34.8	49.4	66.9	110.3	222.6	394.2	613.0	866.3
32.5°	0.0	15.0	23.9	36.2	51.2	73.5	122.5	248.7	443.7	683.0	957.9
30°	0.0	15.4	24.3	37.4	52.8	79.6	143.3	276.9	490.0	748.5	1043.9
27.5°	0.0	15.8	24.7	38.5	54.3	85.3	162.7	314.3	537.0	809.5	1123.9
25°	0.0	16.1	25.0	39.5	55.7	90.5	180.5	348.8	586.6	872.0	1198.1
22.5°	0.0	16.4	25.3	40.5	56.9	95.2	196.8	380.2	631.9	932.1	1275.4
20°	0.0	16.7	25.6	41.3	58.1	99.5	211.4	408.5	672.7	986.4	1345.2
17.5°	0.0	17.0	25.9	42.1	59.1	103.3	224.4	433.7	709.0	1034.6	1407.3
15°	0.0	17.2	26.1	42.8	60.0	106.6	235.7	455.6	740.6	1076.7	1461.5
12.5°	0.0	17.4	26.3	43.3	60.7	109.5	245.4	474.3	767.5	1112.5	1507.7
10°	0.0	17.5	26.4	43.8	61.3	111.8	253.3	489.6	789.6	1142.0	1545.6
7.5°	0.0	17.6	26.5	44.1	61.8	113.6	259.4	501.6	806.8	1164.9	1575.2
5°	0.0	17.7	26.6	44.4	62.1	114.9	263.9	510.1	819.2	1181.4	1596.5
2.5°	0.0	17.8	26.7	44.5	62.3	115.6	266.5	515.3	826.6	1191.3	1609.2
0°	0.0	17.8	26.7	44.6	62.4	115.9	267.4	517.0	829.1	1194.6	1613.5
-2.5°	0.0	17.8	26.7	44.5	62.3	115.6	266.5	515.3	826.6	1191.3	1609.2
-5°	0.0	17.7	26.6	44.4	62.1	114.9	263.9	510.1	819.2	1181.4	1596.5
-7.5°	0.0	17.6	26.5	44.1	61.8	113.6	259.4	501.6	806.8	1164.9	1575.2
-10°	0.0	17.5	26.4	43.8	61.3	111.8	253.3	489.6	789.6	1142.0	1545.6
-12.5°	0.0	17.4	26.3	43.3	60.7	109.5	245.4	474.3	767.5	1112.5	1507.7
-15°	0.0	17.2	26.1	42.8	60.0	106.6	235.7	455.6	740.6	1076.7	1461.5
-17.5°	0.0	17.0	25.9	42.1	59.1	103.3	224.4	433.7	709.0	1034.6	1407.3
-20°	0.0	16.7	25.6	41.3	58.1	99.5	211.4	408.5	672.7	986.4	1345.2



REPORT NUMBER: P1306514 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-1S-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	16.4	25.3	40.5	56.9	95.2	196.8	380.2	631.9	932.1	1275.4
-25°	0.0	16.1	25.0	39.5	55.7	90.5	180.5	348.8	586.6	872.0	1198.1
-27.5°	0.0	15.8	24.7	38.5	54.3	85.3	162.7	314.3	537.0	809.5	1123.9
-30°	0.0	15.4	24.3	37.4	52.8	79.6	143.3	276.9	490.0	748.5	1043.9
-32.5°	0.0	15.0	23.9	36.2	51.2	73.5	122.5	248.7	443.7	683.0	957.9
-35°	0.0	14.6	23.5	34.8	49.4	66.9	110.3	222.6	394.2	613.0	866.3
-37.5°	0.0	14.1	23.0	33.5	47.6	61.6	102.0	194.8	341.7	538.7	777.9
-40°	0.0	13.6	22.5	32.0	45.6	59.2	93.1	165.5	286.3	471.8	690.5
-42.5°	0.0	13.1	22.0	30.4	43.6	56.6	83.8	134.6	243.5	406.0	598.8
-45°	0.0	12.6	21.5	28.8	41.4	53.9	74.1	111.1	206.5	337.3	505.8
-47.5°	0.0	12.0	20.9	27.1	39.1	51.1	63.9	99.2	168.0	266.4	426.1
-50°	0.0	11.4	20.3	26.0	36.8	48.1	59.4	86.9	128.0	221.3	343.5
-52.5°	0.0	10.8	19.7	25.1	34.3	45.1	55.7	74.1	105.6	174.8	261.8
-55°	0.0	10.2	19.1	24.2	31.8	42.0	52.0	61.9	90.5	126.8	208.5
-57.5°	0.0	9.6	18.5	23.2	29.2	38.7	48.1	57.4	75.0	102.3	153.8
-60°	0.0	8.9	17.8	22.2	26.6	35.4	44.1	52.8	61.3	84.5	109.5
-62.5°	0.0	8.2	16.4	21.2	25.3	32.0	40.0	48.0	55.9	66.2	89.2
-65°	0.0	7.5	15.0	20.2	23.9	28.5	35.9	43.2	50.4	57.5	68.6
-67.5°	0.0	6.8	13.6	19.1	22.5	25.8	31.6	38.2	44.7	51.2	57.5
-70°	0.0	6.1	12.2	18.0	21.0	24.0	27.3	33.2	39.0	44.7	50.4
-72.5°	0.0	5.4	10.7	16.0	19.6	22.2	24.8	28.0	33.2	38.2	43.2
-75°	0.0	4.6	9.2	13.8	18.1	20.3	22.6	24.8	27.3	31.6	35.9
-77.5°	0.0	3.9	7.7	11.5	15.3	18.5	20.3	22.2	24.0	25.8	28.5
-80°	0.0	3.1	6.2	9.2	12.3	15.3	18.1	19.6	21.0	22.5	23.9
-82.5°	0.0	2.3	4.6	7.0	9.2	11.5	13.8	16.0	18.0	19.1	20.2
-85°	0.0	1.6	3.1	4.6	6.2	7.7	9.2	10.7	12.2	13.6	15.0
-87.5°	0.0	0.8	1.6	2.3	3.1	3.9	4.6	5.4	6.1	6.8	7.5
-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-40-80-1S-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°	8.2	8.9	9.6	10.2	10.8	11.4	12.0	12.6	13.1	13.6	14.1
85°	16.4	17.8	18.5	19.1	19.7	20.3	20.9	21.5	22.0	22.5	23.0
82.5°	21.2	22.2	23.2	24.2	25.1	26.0	27.1	28.8	30.4	32.0	33.5
80°	25.3	26.6	29.2	31.8	34.3	36.8	39.1	41.4	43.6	45.6	47.6
77.5°	32.0	35.4	38.7	42.0	45.1	48.1	51.1	53.9	56.6	59.2	61.6
75°	40.0	44.1	48.1	52.0	55.7	59.4	63.9	74.1	83.8	93.1	102.0
72.5°	48.0	52.8	57.4	61.9	74.1	86.9	99.2	111.1	134.6	165.5	194.8
70°	55.9	61.3	75.0	90.5	105.6	128.0	168.0	206.5	243.5	286.3	341.7
67.5°	66.2	84.5	102.3	126.8	174.8	221.3	266.4	337.3	406.0	471.8	538.7
65°	89.2	109.5	153.8	208.5	261.8	343.5	426.1	505.8	598.8	690.5	777.9
62.5°	111.8	167.3	228.9	303.1	399.7	493.6	601.5	711.4	817.1	933.6	1046.9
60°	167.3	235.7	325.7	433.7	544.6	672.7	797.0	932.1	1067.7	1198.1	1340.5
57.5°	228.9	325.7	445.1	573.1	715.8	859.0	1016.9	1169.6	1334.9	1497.1	1655.5
55°	303.1	433.7	573.1	730.2	892.9	1068.1	1244.7	1433.8	1616.6	1807.1	1989.6
52.5°	399.7	544.6	715.8	892.9	1085.2	1284.4	1493.7	1703.8	1916.9	2124.3	2328.8
50°	493.6	672.7	859.0	1068.1	1284.4	1513.7	1747.8	1983.4	2217.2	2446.0	2663.3
47.5°	601.5	797.0	1016.9	1244.7	1493.7	1747.8	2005.7	2264.0	2516.9	2757.0	2987.6
45°	711.4	932.1	1169.6	1433.8	1703.8	1983.4	2264.0	2540.7	2804.3	3042.4	3212.7
42.5°	817.1	1067.7	1334.9	1616.6	1916.9	2217.2	2516.9	2804.3	3059.1	3246.6	3416.2
40°	933.6	1198.1	1497.1	1807.1	2124.3	2446.0	2757.0	3042.4	3246.6	3431.5	3602.0
37.5°	1046.9	1340.5	1655.5	1989.6	2328.8	2663.3	2987.6	3212.7	3416.2	3602.0	3932.7
35°	1154.4	1475.8	1815.8	2167.3	2524.1	2869.2	3145.6	3370.4	3570.8	3902.8	4786.9
32.5°	1264.9	1603.7	1967.5	2338.6	2706.1	3046.3	3291.2	3508.9	3813.4	4442.2	6553.6
30°	1374.1	1733.3	2111.8	2499.9	2877.5	3174.4	3417.4	3666.3	4076.9	6026.4	7971.9
27.5°	1475.8	1855.0	2250.2	2648.6	3027.6	3294.6	3532.4	3898.1	5159.9	7433.6	9174.3
25°	1569.8	1967.5	2378.3	2785.7	3130.7	3397.2	3665.1	4114.4	6469.4	8489.2	9683.2
22.5°	1659.3	2070.5	2495.7	2911.5	3225.5	3488.5	3850.2	5096.8	7551.5	9436.4	9993.9
20°	1743.6	2167.3	2600.9	3018.9	3311.5	3571.4	4018.8	6123.3	8384.1	9701.4	10249.3
17.5°	1818.7	2253.5	2693.8	3089.4	3381.3	3676.6	4283.7	7045.1	9133.5	9940.5	10466.2
15°	1884.2	2328.8	2775.2	3151.1	3441.2	3798.9	5031.9	7683.3	9532.6	10142.3	10656.4
12.5°	1940.0	2393.1	2844.5	3203.8	3492.3	3903.5	5673.0	8206.8	9700.4	10295.3	10759.3
10°	1986.0	2446.0	2901.7	3247.2	3534.5	3989.8	6203.1	8640.3	9839.6	10422.4	10844.9
7.5°	2021.8	2487.3	2946.4	3281.2	3567.6	4057.6	6619.0	8980.7	9949.1	10522.6	10912.5
5°	2047.6	2516.9	2978.5	3305.6	3591.3	4106.2	6918.0	9225.7	10027.9	10594.8	10961.3
2.5°	2063.0	2534.8	2997.8	3320.3	3605.6	4135.5	7098.2	9373.4	10075.5	10638.4	10990.8
0°	2068.2	2540.7	3004.2	3325.2	3610.4	4145.3	7158.4	9422.8	10091.4	10653.0	11000.7
-2.5°	2063.0	2534.8	2997.8	3320.3	3605.6	4135.5	7098.2	9373.4	10075.5	10638.4	10990.8
-5°	2047.6	2516.9	2978.5	3305.6	3591.3	4106.2	6918.0	9225.7	10027.9	10594.8	10961.3
-7.5°	2021.8	2487.3	2946.4	3281.2	3567.6	4057.6	6619.0	8980.7	9949.1	10522.6	10912.5
-10°	1986.0	2446.0	2901.7	3247.2	3534.5	3989.8	6203.1	8640.3	9839.6	10422.4	10844.9
-12.5°	1940.0	2393.1	2844.5	3203.8	3492.3	3903.5	5673.0	8206.8	9700.4	10295.3	10759.3
-15°	1884.2	2328.8	2775.2	3151.1	3441.2	3798.9	5031.9	7683.3	9532.6	10142.3	10656.4
-17.5°	1818.7	2253.5	2693.8	3089.4	3381.3	3676.6	4283.7	7045.1	9133.5	9940.5	10466.2
-20°	1743.6	2167.3	2600.9	3018.9	3311.5	3571.4	4018.8	6123.3	8384.1	9701.4	10249.3



REPORT NUMBER: P1306514 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-1S-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1659.3	2070.5	2495.7	2911.5	3225.5	3488.5	3850.2	5096.8	7551.5	9436.4	9993.9
-25°	1569.8	1967.5	2378.3	2785.7	3130.7	3397.2	3665.1	4114.4	6469.4	8489.2	9683.2
-27.5°	1475.8	1855.0	2250.2	2648.6	3027.6	3294.6	3532.4	3898.1	5159.9	7433.6	9174.3
-30°	1374.1	1733.3	2111.8	2499.9	2877.5	3174.4	3417.4	3666.3	4076.9	6026.4	7971.9
-32.5°	1264.9	1603.7	1967.5	2338.6	2706.1	3046.3	3291.2	3508.9	3813.4	4442.2	6553.6
-35°	1154.4	1475.8	1815.8	2167.3	2524.1	2869.2	3145.6	3370.4	3570.8	3902.8	4786.9
-37.5°	1046.9	1340.5	1655.5	1989.6	2328.8	2663.3	2987.6	3212.7	3416.2	3602.0	3932.7
-40°	933.6	1198.1	1497.1	1807.1	2124.3	2446.0	2757.0	3042.4	3246.6	3431.5	3602.0
-42.5°	817.1	1067.7	1334.9	1616.6	1916.9	2217.2	2516.9	2804.3	3059.1	3246.6	3416.2
-45°	711.4	932.1	1169.6	1433.8	1703.8	1983.4	2264.0	2540.7	2804.3	3042.4	3212.7
-47.5°	601.5	797.0	1016.9	1244.7	1493.7	1747.8	2005.7	2264.0	2516.9	2757.0	2987.6
-50°	493.6	672.7	859.0	1068.1	1284.4	1513.7	1747.8	1983.4	2217.2	2446.0	2663.3
-52.5°	399.7	544.6	715.8	892.9	1085.2	1284.4	1493.7	1703.8	1916.9	2124.3	2328.8
-55°	303.1	433.7	573.1	730.2	892.9	1068.1	1244.7	1433.8	1616.6	1807.1	1989.6
-57.5°	228.9	325.7	445.1	573.1	715.8	859.0	1016.9	1169.6	1334.9	1497.1	1655.5
-60°	167.3	235.7	325.7	433.7	544.6	672.7	797.0	932.1	1067.7	1198.1	1340.5
-62.5°	111.8	167.3	228.9	303.1	399.7	493.6	601.5	711.4	817.1	933.6	1046.9
-65°	89.2	109.5	153.8	208.5	261.8	343.5	426.1	505.8	598.8	690.5	777.9
-67.5°	66.2	84.5	102.3	126.8	174.8	221.3	266.4	337.3	406.0	471.8	538.7
-70°	55.9	61.3	75.0	90.5	105.6	128.0	168.0	206.5	243.5	286.3	341.7
-72.5°	48.0	52.8	57.4	61.9	74.1	86.9	99.2	111.1	134.6	165.5	194.8
-75°	40.0	44.1	48.1	52.0	55.7	59.4	63.9	74.1	83.8	93.1	102.0
-77.5°	32.0	35.4	38.7	42.0	45.1	48.1	51.1	53.9	56.6	59.2	61.6
-80°	25.3	26.6	29.2	31.8	34.3	36.8	39.1	41.4	43.6	45.6	47.6
-82.5°	21.2	22.2	23.2	24.2	25.1	26.0	27.1	28.8	30.4	32.0	33.5
-85°	16.4	17.8	18.5	19.1	19.7	20.3	20.9	21.5	22.0	22.5	23.0
-87.5°	8.2	8.9	9.6	10.2	10.8	11.4	12.0	12.6	13.1	13.6	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: P1306514 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-1S-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°	14.6	15.0	15.4	15.8	16.1	16.4	16.7	17.0	17.2	17.4	17.5
85°	23.5	23.9	24.3	24.7	25.0	25.3	25.6	25.9	26.1	26.3	26.4
82.5°	34.8	36.2	37.4	38.5	39.5	40.5	41.3	42.1	42.8	43.3	43.8
80°	49.4	51.2	52.8	54.3	55.7	56.9	58.1	59.1	60.0	60.7	61.3
77.5°	66.9	73.5	79.6	85.3	90.5	95.2	99.5	103.3	106.6	109.5	111.8
75°	110.3	122.5	143.3	162.7	180.5	196.8	211.4	224.4	235.7	245.4	253.3
72.5°	222.6	248.7	276.9	314.3	348.8	380.2	408.5	433.7	455.6	474.3	489.6
70°	394.2	443.7	490.0	537.0	586.6	631.9	672.7	709.0	740.6	767.5	789.6
67.5°	613.0	683.0	748.5	809.5	872.0	932.1	986.4	1034.6	1076.7	1112.5	1142.0
65°	866.3	957.9	1043.9	1123.9	1198.1	1275.4	1345.2	1407.3	1461.5	1507.7	1545.6
62.5°	1154.4	1264.9	1374.1	1475.8	1569.8	1659.3	1743.6	1818.7	1884.2	1940.0	1986.0
60°	1475.8	1603.7	1733.3	1855.0	1967.5	2070.5	2167.3	2253.5	2328.8	2393.1	2446.0
57.5°	1815.8	1967.5	2111.8	2250.2	2378.3	2495.7	2600.9	2693.8	2775.2	2844.5	2901.7
55°	2167.3	2338.6	2499.9	2648.6	2785.7	2911.5	3018.9	3089.4	3151.1	3203.8	3247.2
52.5°	2524.1	2706.1	2877.5	3027.6	3130.7	3225.5	3311.5	3381.3	3441.2	3492.3	3534.5
50°	2869.2	3046.3	3174.4	3294.6	3397.2	3488.5	3571.4	3676.6	3798.9	3903.5	3989.8
47.5°	3145.6	3291.2	3417.4	3532.4	3665.1	3850.2	4018.8	4283.7	5031.9	5673.0	6203.1
45°	3370.4	3508.9	3666.3	3898.1	4114.4	5096.8	6123.3	7045.1	7683.3	8206.8	8640.3
42.5°	3570.8	3813.4	4076.9	5159.9	6469.4	7551.5	8384.1	9133.5	9532.6	9700.4	9839.6
40°	3902.8	4442.2	6026.4	7433.6	8489.2	9436.4	9701.4	9940.5	10142.3	10295.3	10422.4
37.5°	4786.9	6553.6	7971.9	9174.3	9683.2	9993.9	10249.3	10466.2	10656.4	10759.3	10844.9
35°	6730.6	8244.1	9472.7	9851.2	10189.5	10469.4	10699.1	10844.1	10973.1	11030.9	11064.4
32.5°	8244.1	9514.1	9936.2	10299.4	10619.6	10818.0	10989.9	11053.0	11103.2	11134.6	11150.2
30°	9472.7	9936.2	10336.3	10679.5	10890.8	11032.6	11099.0	11140.1	11163.4	11225.5	11390.9
27.5°	9851.2	10299.4	10679.5	10915.4	11050.9	11126.2	11156.7	11235.7	11480.4	11695.0	12268.2
25°	10189.5	10619.6	10890.8	11050.9	11130.3	11165.2	11363.3	11656.7	12414.7	13159.1	14665.3
22.5°	10469.4	10818.0	11032.6	11126.2	11165.2	11406.5	11857.3	12862.4	14631.3	17011.9	21268.1
20°	10699.1	10989.9	11099.0	11156.7	11363.3	11857.3	13014.2	15563.4	19331.1	28209.1	37412.7
17.5°	10844.1	11053.0	11140.1	11235.7	11656.7	12862.4	15563.4	21028.0	31807.5	48937.0	66195.4
15°	10973.1	11103.2	11163.4	11480.4	12414.7	14631.3	19331.1	31807.5	52889.8	79238.1	110409.4
12.5°	11030.9	11134.6	11225.5	11695.0	13159.1	17011.9	28209.1	48937.0	79238.1	117980.3	172862.2
10°	11064.4	11150.2	11390.9	12268.2	14665.3	21268.1	37412.7	66195.4	110409.4	172862.2	249216.3
7.5°	11090.9	11162.6	11522.6	12727.9	16148.6	26864.4	50060.4	88575.9	146454.4	227694.0	344228.1
5°	11110.0	11171.6	11618.3	13063.4	17235.8	30990.2	59456.9	105850.7	178481.3	285598.3	432899.0
2.5°	11121.6	11177.1	11676.5	13267.7	17900.0	33521.3	65255.1	116597.8	198646.3	327255.0	492932.1
0°	11125.5	11178.9	11696.0	13336.3	18123.4	34374.8	67216.3	120249.4	205544.6	342767.6	514044.3
-2.5°	11121.6	11177.1	11676.5	13267.7	17900.0	33521.3	65255.1	116597.8	198646.3	327255.0	492932.1
-5°	11110.0	11171.6	11618.3	13063.4	17235.8	30990.2	59456.9	105850.7	178481.3	285598.3	432899.0
-7.5°	11090.9	11162.6	11522.6	12727.9	16148.6	26864.4	50060.4	88575.9	146454.4	227694.0	344228.1
-10°	11064.4	11150.2	11390.9	12268.2	14665.3	21268.1	37412.7	66195.4	110409.4	172862.2	249216.3
-12.5°	11030.9	11134.6	11225.5	11695.0	13159.1	17011.9	28209.1	48937.0	79238.1	117980.3	172862.2
-15°	10973.1	11103.2	11163.4	11480.4	12414.7	14631.3	19331.1	31807.5	52889.8	79238.1	110409.4
-17.5°	10844.1	11053.0	11140.1	11235.7	11656.7	12862.4	15563.4	21028.0	31807.5	48937.0	66195.4
-20°	10699.1	10989.9	11099.0	11156.7	11363.3	11857.3	13014.2	15563.4	19331.1	28209.1	37412.7



REPORT NUMBER: P1306514 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-1S-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10469.4	10818.0	11032.6	11126.2	11165.2	11406.5	11857.3	12862.4	14631.3	17011.9	21268.1
-25°	10189.5	10619.6	10890.8	11050.9	11130.3	11165.2	11363.3	11656.7	12414.7	13159.1	14665.3
-27.5°	9851.2	10299.4	10679.5	10915.4	11050.9	11126.2	11156.7	11235.7	11480.4	11695.0	12268.2
-30°	9472.7	9936.2	10336.3	10679.5	10890.8	11032.6	11099.0	11140.1	11163.4	11225.5	11390.9
-32.5°	8244.1	9514.1	9936.2	10299.4	10619.6	10818.0	10989.9	11053.0	11103.2	11134.6	11150.2
-35°	6730.6	8244.1	9472.7	9851.2	10189.5	10469.4	10699.1	10844.1	10973.1	11030.9	11064.4
-37.5°	4786.9	6553.6	7971.9	9174.3	9683.2	9993.9	10249.3	10466.2	10656.4	10759.3	10844.9
-40°	3902.8	4442.2	6026.4	7433.6	8489.2	9436.4	9701.4	9940.5	10142.3	10295.3	10422.4
-42.5°	3570.8	3813.4	4076.9	5159.9	6469.4	7551.5	8384.1	9133.5	9532.6	9700.4	9839.6
-45°	3370.4	3508.9	3666.3	3898.1	4114.4	5096.8	6123.3	7045.1	7683.3	8206.8	8640.3
-47.5°	3145.6	3291.2	3417.4	3532.4	3665.1	3850.2	4018.8	4283.7	5031.9	5673.0	6203.1
-50°	2869.2	3046.3	3174.4	3294.6	3397.2	3488.5	3571.4	3676.6	3798.9	3903.5	3989.8
-52.5°	2524.1	2706.1	2877.5	3027.6	3130.7	3225.5	3311.5	3381.3	3441.2	3492.3	3534.5
-55°	2167.3	2338.6	2499.9	2648.6	2785.7	2911.5	3018.9	3089.4	3151.1	3203.8	3247.2
-57.5°	1815.8	1967.5	2111.8	2250.2	2378.3	2495.7	2600.9	2693.8	2775.2	2844.5	2901.7
-60°	1475.8	1603.7	1733.3	1855.0	1967.5	2070.5	2167.3	2253.5	2328.8	2393.1	2446.0
-62.5°	1154.4	1264.9	1374.1	1475.8	1569.8	1659.3	1743.6	1818.7	1884.2	1940.0	1986.0
-65°	866.3	957.9	1043.9	1123.9	1198.1	1275.4	1345.2	1407.3	1461.5	1507.7	1545.6
-67.5°	613.0	683.0	748.5	809.5	872.0	932.1	986.4	1034.6	1076.7	1112.5	1142.0
-70°	394.2	443.7	490.0	537.0	586.6	631.9	672.7	709.0	740.6	767.5	789.6
-72.5°	222.6	248.7	276.9	314.3	348.8	380.2	408.5	433.7	455.6	474.3	489.6
-75°	110.3	122.5	143.3	162.7	180.5	196.8	211.4	224.4	235.7	245.4	253.3
-77.5°	66.9	73.5	79.6	85.3	90.5	95.2	99.5	103.3	106.6	109.5	111.8
-80°	49.4	51.2	52.8	54.3	55.7	56.9	58.1	59.1	60.0	60.7	61.3
-82.5°	34.8	36.2	37.4	38.5	39.5	40.5	41.3	42.1	42.8	43.3	43.8
-85°	23.5	23.9	24.3	24.7	25.0	25.3	25.6	25.9	26.1	26.3	26.4
-87.5°	14.6	15.0	15.4	15.8	16.1	16.4	16.7	17.0	17.2	17.4	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



REPORT NUMBER: P1306514 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-1S-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°	17.6	17.7	17.8	17.8	17.8	17.7	17.6	17.5	17.4	17.2	17.0
85°	26.5	26.6	26.7	26.7	26.7	26.6	26.5	26.4	26.3	26.1	25.9
82.5°	44.1	44.4	44.5	44.6	44.5	44.4	44.1	43.8	43.3	42.8	42.1
80°	61.8	62.1	62.3	62.4	62.3	62.1	61.8	61.3	60.7	60.0	59.1
77.5°	113.6	114.9	115.6	115.9	115.6	114.9	113.6	111.8	109.5	106.6	103.3
75°	259.4	263.9	266.5	267.4	266.5	263.9	259.4	253.3	245.4	235.7	224.4
72.5°	501.6	510.1	515.3	517.0	515.3	510.1	501.6	489.6	474.3	455.6	433.7
70°	806.8	819.2	826.6	829.1	826.6	819.2	806.8	789.6	767.5	740.6	709.0
67.5°	1164.9	1181.4	1191.3	1194.6	1191.3	1181.4	1164.9	1142.0	1112.5	1076.7	1034.6
65°	1575.2	1596.5	1609.2	1613.5	1609.2	1596.5	1575.2	1545.6	1507.7	1461.5	1407.3
62.5°	2021.8	2047.6	2063.0	2068.2	2063.0	2047.6	2021.8	1986.0	1940.0	1884.2	1818.7
60°	2487.3	2516.9	2534.8	2540.7	2534.8	2516.9	2487.3	2446.0	2393.1	2328.8	2253.5
57.5°	2946.4	2978.5	2997.8	3004.2	2997.8	2978.5	2946.4	2901.7	2844.5	2775.2	2693.8
55°	3281.2	3305.6	3320.3	3325.2	3320.3	3305.6	3281.2	3247.2	3203.8	3151.1	3089.4
52.5°	3567.6	3591.3	3605.6	3610.4	3605.6	3591.3	3567.6	3534.5	3492.3	3441.2	3381.3
50°	4057.6	4106.2	4135.5	4145.3	4135.5	4106.2	4057.6	3989.8	3903.5	3798.9	3676.6
47.5°	6619.0	6918.0	7098.2	7158.4	7098.2	6918.0	6619.0	6203.1	5673.0	5031.9	4283.7
45°	8980.7	9225.7	9373.4	9422.8	9373.4	9225.7	8980.7	8640.3	8206.8	7683.3	7045.1
42.5°	9949.1	10027.9	10075.5	10091.4	10075.5	10027.9	9949.1	9839.6	9700.4	9532.6	9133.5
40°	10522.6	10594.8	10638.4	10653.0	10638.4	10594.8	10522.6	10422.4	10295.3	10142.3	9940.5
37.5°	10912.5	10961.3	10990.8	11000.7	10990.8	10961.3	10912.5	10844.9	10759.3	10656.4	10466.2
35°	11090.9	11110.0	11121.6	11125.5	11121.6	11110.0	11090.9	11064.4	11030.9	10973.1	10844.1
32.5°	11162.6	11171.6	11177.1	11178.9	11177.1	11171.6	11162.6	11150.2	11134.6	11103.2	11053.0
30°	11522.6	11618.3	11676.5	11696.0	11676.5	11618.3	11522.6	11390.9	11225.5	11163.4	11140.1
27.5°	12727.9	13063.4	13267.7	13336.3	13267.7	13063.4	12727.9	12268.2	11695.0	11480.4	11235.7
25°	16148.6	17235.8	17900.0	18123.4	17900.0	17235.8	16148.6	14665.3	13159.1	12414.7	11656.7
22.5°	26864.4	30990.2	33521.3	34374.8	33521.3	30990.2	26864.4	21268.1	17011.9	14631.3	12862.4
20°	50060.4	59456.9	65255.1	67216.3	65255.1	59456.9	50060.4	37412.7	28209.1	19331.1	15563.4
17.5°	88575.9	105850.7	116597.8	120249.4	116597.8	105850.7	88575.9	66195.4	48937.0	31807.5	21028.0
15°	146454.4	178481.3	198646.3	205544.6	198646.3	178481.3	146454.4	110409.4	79238.1	52889.8	31807.5
12.5°	227694.0	285598.3	327255.0	342767.6	327255.0	285598.3	227694.0	172862.2	117980.3	79238.1	48937.0
10°	344228.1	432899.0	492932.1	514044.3	492932.1	432899.0	344228.1	249216.3	172862.2	110409.4	66195.4
7.5°	473063.4	584946.5	669476.0	701563.6	669476.0	584946.5	473063.4	344228.1	227694.0	146454.4	88575.9
5°	584946.5	736036.6	839013.6	876094.2	839013.6	736036.6	584946.5	432899.0	285598.3	178481.3	105850.7
2.5°	669476.0	839013.6	953501.4	#####	953501.4	839013.6	669476.0	492932.1	327255.0	198646.3	116597.8
0°	701563.6	876094.2	#####	#####	#####	876094.2	701563.6	514044.3	342767.6	205544.6	120249.4
-2.5°	669476.0	839013.6	953501.4	#####	953501.4	839013.6	669476.0	492932.1	327255.0	198646.3	116597.8
-5°	584946.5	736036.6	839013.6	876094.2	839013.6	736036.6	584946.5	432899.0	285598.3	178481.3	105850.7
-7.5°	473063.4	584946.5	669476.0	701563.6	669476.0	584946.5	473063.4	344228.1	227694.0	146454.4	88575.9
-10°	344228.1	432899.0	492932.1	514044.3	492932.1	432899.0	344228.1	249216.3	172862.2	110409.4	66195.4
-12.5°	227694.0	285598.3	327255.0	342767.6	327255.0	285598.3	227694.0	172862.2	117980.3	79238.1	48937.0
-15°	146454.4	178481.3	198646.3	205544.6	198646.3	178481.3	146454.4	110409.4	79238.1	52889.8	31807.5
-17.5°	88575.9	105850.7	116597.8	120249.4	116597.8	105850.7	88575.9	66195.4	48937.0	31807.5	21028.0
-20°	50060.4	59456.9	65255.1	67216.3	65255.1	59456.9	50060.4	37412.7	28209.1	19331.1	15563.4



REPORT NUMBER: P1306514 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-1S-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	26864.4	30990.2	33521.3	34374.8	33521.3	30990.2	26864.4	21268.1	17011.9	14631.3	12862.4
-25°	16148.6	17235.8	17900.0	18123.4	17900.0	17235.8	16148.6	14665.3	13159.1	12414.7	11656.7
-27.5°	12727.9	13063.4	13267.7	13336.3	13267.7	13063.4	12727.9	12268.2	11695.0	11480.4	11235.7
-30°	11522.6	11618.3	11676.5	11696.0	11676.5	11618.3	11522.6	11390.9	11225.5	11163.4	11140.1
-32.5°	11162.6	11171.6	11177.1	11178.9	11177.1	11171.6	11162.6	11150.2	11134.6	11103.2	11053.0
-35°	11090.9	11110.0	11121.6	11125.5	11121.6	11110.0	11090.9	11064.4	11030.9	10973.1	10844.1
-37.5°	10912.5	10961.3	10990.8	11000.7	10990.8	10961.3	10912.5	10844.9	10759.3	10656.4	10466.2
-40°	10522.6	10594.8	10638.4	10653.0	10638.4	10594.8	10522.6	10422.4	10295.3	10142.3	9940.5
-42.5°	9949.1	10027.9	10075.5	10091.4	10075.5	10027.9	9949.1	9839.6	9700.4	9532.6	9133.5
-45°	8980.7	9225.7	9373.4	9422.8	9373.4	9225.7	8980.7	8640.3	8206.8	7683.3	7045.1
-47.5°	6619.0	6918.0	7098.2	7158.4	7098.2	6918.0	6619.0	6203.1	5673.0	5031.9	4283.7
-50°	4057.6	4106.2	4135.5	4145.3	4135.5	4106.2	4057.6	3989.8	3903.5	3798.9	3676.6
-52.5°	3567.6	3591.3	3605.6	3610.4	3605.6	3591.3	3567.6	3534.5	3492.3	3441.2	3381.3
-55°	3281.2	3305.6	3320.3	3325.2	3320.3	3305.6	3281.2	3247.2	3203.8	3151.1	3089.4
-57.5°	2946.4	2978.5	2997.8	3004.2	2997.8	2978.5	2946.4	2901.7	2844.5	2775.2	2693.8
-60°	2487.3	2516.9	2534.8	2540.7	2534.8	2516.9	2487.3	2446.0	2393.1	2328.8	2253.5
-62.5°	2021.8	2047.6	2063.0	2068.2	2063.0	2047.6	2021.8	1986.0	1940.0	1884.2	1818.7
-65°	1575.2	1596.5	1609.2	1613.5	1609.2	1596.5	1575.2	1545.6	1507.7	1461.5	1407.3
-67.5°	1164.9	1181.4	1191.3	1194.6	1191.3	1181.4	1164.9	1142.0	1112.5	1076.7	1034.6
-70°	806.8	819.2	826.6	829.1	826.6	819.2	806.8	789.6	767.5	740.6	709.0
-72.5°	501.6	510.1	515.3	517.0	515.3	510.1	501.6	489.6	474.3	455.6	433.7
-75°	259.4	263.9	266.5	267.4	266.5	263.9	259.4	253.3	245.4	235.7	224.4
-77.5°	113.6	114.9	115.6	115.9	115.6	114.9	113.6	111.8	109.5	106.6	103.3
-80°	61.8	62.1	62.3	62.4	62.3	62.1	61.8	61.3	60.7	60.0	59.1
-82.5°	44.1	44.4	44.5	44.6	44.5	44.4	44.1	43.8	43.3	42.8	42.1
-85°	26.5	26.6	26.7	26.7	26.7	26.6	26.5	26.4	26.3	26.1	25.9
-87.5°	17.6	17.7	17.8	17.8	17.8	17.7	17.6	17.5	17.4	17.2	17.0
-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: P1306514 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-1S-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°	16.7	16.4	16.1	15.8	15.4	15.0	14.6	14.1	13.6	13.1	12.6
85°	25.6	25.3	25.0	24.7	24.3	23.9	23.5	23.0	22.5	22.0	21.5
82.5°	41.3	40.5	39.5	38.5	37.4	36.2	34.8	33.5	32.0	30.4	28.8
80°	58.1	56.9	55.7	54.3	52.8	51.2	49.4	47.6	45.6	43.6	41.4
77.5°	99.5	95.2	90.5	85.3	79.6	73.5	66.9	61.6	59.2	56.6	53.9
75°	211.4	196.8	180.5	162.7	143.3	122.5	110.3	102.0	93.1	83.8	74.1
72.5°	408.5	380.2	348.8	314.3	276.9	248.7	222.6	194.8	165.5	134.6	111.1
70°	672.7	631.9	586.6	537.0	490.0	443.7	394.2	341.7	286.3	243.5	206.5
67.5°	986.4	932.1	872.0	809.5	748.5	683.0	613.0	538.7	471.8	406.0	337.3
65°	1345.2	1275.4	1198.1	1123.9	1043.9	957.9	866.3	777.9	690.5	598.8	505.8
62.5°	1743.6	1659.3	1569.8	1475.8	1374.1	1264.9	1154.4	1046.9	933.6	817.1	711.4
60°	2167.3	2070.5	1967.5	1855.0	1733.3	1603.7	1475.8	1340.5	1198.1	1067.7	932.1
57.5°	2600.9	2495.7	2378.3	2250.2	2111.8	1967.5	1815.8	1655.5	1497.1	1334.9	1169.6
55°	3018.9	2911.5	2785.7	2648.6	2499.9	2338.6	2167.3	1989.6	1807.1	1616.6	1433.8
52.5°	3311.5	3225.5	3130.7	3027.6	2877.5	2706.1	2524.1	2328.8	2124.3	1916.9	1703.8
50°	3571.4	3488.5	3397.2	3294.6	3174.4	3046.3	2869.2	2663.3	2446.0	2217.2	1983.4
47.5°	4018.8	3850.2	3665.1	3532.4	3417.4	3291.2	3145.6	2987.6	2757.0	2516.9	2264.0
45°	6123.3	5096.8	4114.4	3898.1	3666.3	3508.9	3370.4	3212.7	3042.4	2804.3	2540.7
42.5°	8384.1	7551.5	6469.4	5159.9	4076.9	3813.4	3570.8	3416.2	3246.6	3059.1	2804.3
40°	9701.4	9436.4	8489.2	7433.6	6026.4	4442.2	3902.8	3602.0	3431.5	3246.6	3042.4
37.5°	10249.3	9993.9	9683.2	9174.3	7971.9	6553.6	4786.9	3932.7	3602.0	3416.2	3212.7
35°	10699.1	10469.4	10189.5	9851.2	9472.7	8244.1	6730.6	4786.9	3902.8	3570.8	3370.4
32.5°	10989.9	10818.0	10619.6	10299.4	9936.2	9514.1	8244.1	6553.6	4442.2	3813.4	3508.9
30°	11099.0	11032.6	10890.8	10679.5	10336.3	9936.2	9472.7	7971.9	6026.4	4076.9	3666.3
27.5°	11156.7	11126.2	11050.9	10915.4	10679.5	10299.4	9851.2	9174.3	7433.6	5159.9	3898.1
25°	11363.3	11165.2	11130.3	11050.9	10890.8	10619.6	10189.5	9683.2	8489.2	6469.4	4114.4
22.5°	11857.3	11406.5	11165.2	11126.2	11032.6	10818.0	10469.4	9993.9	9436.4	7551.5	5096.8
20°	13014.2	11857.3	11363.3	11156.7	11099.0	10989.9	10699.1	10249.3	9701.4	8384.1	6123.3
17.5°	15563.4	12862.4	11656.7	11235.7	11140.1	11053.0	10844.1	10466.2	9940.5	9133.5	7045.1
15°	19331.1	14631.3	12414.7	11480.4	11163.4	11103.2	10973.1	10656.4	10142.3	9532.6	7683.3
12.5°	28209.1	17011.9	13159.1	11695.0	11225.5	11134.6	11030.9	10759.3	10295.3	9700.4	8206.8
10°	37412.7	21268.1	14665.3	12268.2	11390.9	11150.2	11064.4	10844.9	10422.4	9839.6	8640.3
7.5°	50060.4	26864.4	16148.6	12727.9	11522.6	11162.6	11090.9	10912.5	10522.6	9949.1	8980.7
5°	59456.9	30990.2	17235.8	13063.4	11618.3	11171.6	11110.0	10961.3	10594.8	10027.9	9225.7
2.5°	65255.1	33521.3	17900.0	13267.7	11676.5	11177.1	11121.6	10990.8	10638.4	10075.5	9373.4
0°	67216.3	34374.8	18123.4	13336.3	11696.0	11178.9	11125.5	11000.7	10653.0	10091.4	9422.8
-2.5°	65255.1	33521.3	17900.0	13267.7	11676.5	11177.1	11121.6	10990.8	10638.4	10075.5	9373.4
-5°	59456.9	30990.2	17235.8	13063.4	11618.3	11171.6	11110.0	10961.3	10594.8	10027.9	9225.7
-7.5°	50060.4	26864.4	16148.6	12727.9	11522.6	11162.6	11090.9	10912.5	10522.6	9949.1	8980.7
-10°	37412.7	21268.1	14665.3	12268.2	11390.9	11150.2	11064.4	10844.9	10422.4	9839.6	8640.3
-12.5°	28209.1	17011.9	13159.1	11695.0	11225.5	11134.6	11030.9	10759.3	10295.3	9700.4	8206.8
-15°	19331.1	14631.3	12414.7	11480.4	11163.4	11103.2	10973.1	10656.4	10142.3	9532.6	7683.3
-17.5°	15563.4	12862.4	11656.7	11235.7	11140.1	11053.0	10844.1	10466.2	9940.5	9133.5	7045.1
-20°	13014.2	11857.3	11363.3	11156.7	11099.0	10989.9	10699.1	10249.3	9701.4	8384.1	6123.3



REPORT NUMBER: P1306514 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-1S-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	11857.3	11406.5	11165.2	11126.2	11032.6	10818.0	10469.4	9993.9	9436.4	7551.5	5096.8
-25°	11363.3	11165.2	11130.3	11050.9	10890.8	10619.6	10189.5	9683.2	8489.2	6469.4	4114.4
-27.5°	11156.7	11126.2	11050.9	10915.4	10679.5	10299.4	9851.2	9174.3	7433.6	5159.9	3898.1
-30°	11099.0	11032.6	10890.8	10679.5	10336.3	9936.2	9472.7	7971.9	6026.4	4076.9	3666.3
-32.5°	10989.9	10818.0	10619.6	10299.4	9936.2	9514.1	8244.1	6553.6	4442.2	3813.4	3508.9
-35°	10699.1	10469.4	10189.5	9851.2	9472.7	8244.1	6730.6	4786.9	3902.8	3570.8	3370.4
-37.5°	10249.3	9993.9	9683.2	9174.3	7971.9	6553.6	4786.9	3932.7	3602.0	3416.2	3212.7
-40°	9701.4	9436.4	8489.2	7433.6	6026.4	4442.2	3902.8	3602.0	3431.5	3246.6	3042.4
-42.5°	8384.1	7551.5	6469.4	5159.9	4076.9	3813.4	3570.8	3416.2	3246.6	3059.1	2804.3
-45°	6123.3	5096.8	4114.4	3898.1	3666.3	3508.9	3370.4	3212.7	3042.4	2804.3	2540.7
-47.5°	4018.8	3850.2	3665.1	3532.4	3417.4	3291.2	3145.6	2987.6	2757.0	2516.9	2264.0
-50°	3571.4	3488.5	3397.2	3294.6	3174.4	3046.3	2869.2	2663.3	2446.0	2217.2	1983.4
-52.5°	3311.5	3225.5	3130.7	3027.6	2877.5	2706.1	2524.1	2328.8	2124.3	1916.9	1703.8
-55°	3018.9	2911.5	2785.7	2648.6	2499.9	2338.6	2167.3	1989.6	1807.1	1616.6	1433.8
-57.5°	2600.9	2495.7	2378.3	2250.2	2111.8	1967.5	1815.8	1655.5	1497.1	1334.9	1169.6
-60°	2167.3	2070.5	1967.5	1855.0	1733.3	1603.7	1475.8	1340.5	1198.1	1067.7	932.1
-62.5°	1743.6	1659.3	1569.8	1475.8	1374.1	1264.9	1154.4	1046.9	933.6	817.1	711.4
-65°	1345.2	1275.4	1198.1	1123.9	1043.9	957.9	866.3	777.9	690.5	598.8	505.8
-67.5°	986.4	932.1	872.0	809.5	748.5	683.0	613.0	538.7	471.8	406.0	337.3
-70°	672.7	631.9	586.6	537.0	490.0	443.7	394.2	341.7	286.3	243.5	206.5
-72.5°	408.5	380.2	348.8	314.3	276.9	248.7	222.6	194.8	165.5	134.6	111.1
-75°	211.4	196.8	180.5	162.7	143.3	122.5	110.3	102.0	93.1	83.8	74.1
-77.5°	99.5	95.2	90.5	85.3	79.6	73.5	66.9	61.6	59.2	56.6	53.9
-80°	58.1	56.9	55.7	54.3	52.8	51.2	49.4	47.6	45.6	43.6	41.4
-82.5°	41.3	40.5	39.5	38.5	37.4	36.2	34.8	33.5	32.0	30.4	28.8
-85°	25.6	25.3	25.0	24.7	24.3	23.9	23.5	23.0	22.5	22.0	21.5
-87.5°	16.7	16.4	16.1	15.8	15.4	15.0	14.6	14.1	13.6	13.1	12.6
-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: P1306514 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-1S-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°	12.0	11.4	10.8	10.2	9.6	8.9	8.2	7.5	6.8	6.1	5.4
85°	20.9	20.3	19.7	19.1	18.5	17.8	16.4	15.0	13.6	12.2	10.7
82.5°	27.1	26.0	25.1	24.2	23.2	22.2	21.2	20.2	19.1	18.0	16.0
80°	39.1	36.8	34.3	31.8	29.2	26.6	25.3	23.9	22.5	21.0	19.6
77.5°	51.1	48.1	45.1	42.0	38.7	35.4	32.0	28.5	25.8	24.0	22.2
75°	63.9	59.4	55.7	52.0	48.1	44.1	40.0	35.9	31.6	27.3	24.8
72.5°	99.2	86.9	74.1	61.9	57.4	52.8	48.0	43.2	38.2	33.2	28.0
70°	168.0	128.0	105.6	90.5	75.0	61.3	55.9	50.4	44.7	39.0	33.2
67.5°	266.4	221.3	174.8	126.8	102.3	84.5	66.2	57.5	51.2	44.7	38.2
65°	426.1	343.5	261.8	208.5	153.8	109.5	89.2	68.6	57.5	50.4	43.2
62.5°	601.5	493.6	399.7	303.1	228.9	167.3	111.8	89.2	66.2	55.9	48.0
60°	797.0	672.7	544.6	433.7	325.7	235.7	167.3	109.5	84.5	61.3	52.8
57.5°	1016.9	859.0	715.8	573.1	445.1	325.7	228.9	153.8	102.3	75.0	57.4
55°	1244.7	1068.1	892.9	730.2	573.1	433.7	303.1	208.5	126.8	90.5	61.9
52.5°	1493.7	1284.4	1085.2	892.9	715.8	544.6	399.7	261.8	174.8	105.6	74.1
50°	1747.8	1513.7	1284.4	1068.1	859.0	672.7	493.6	343.5	221.3	128.0	86.9
47.5°	2005.7	1747.8	1493.7	1244.7	1016.9	797.0	601.5	426.1	266.4	168.0	99.2
45°	2264.0	1983.4	1703.8	1433.8	1169.6	932.1	711.4	505.8	337.3	206.5	111.1
42.5°	2516.9	2217.2	1916.9	1616.6	1334.9	1067.7	817.1	598.8	406.0	243.5	134.6
40°	2757.0	2446.0	2124.3	1807.1	1497.1	1198.1	933.6	690.5	471.8	286.3	165.5
37.5°	2987.6	2663.3	2328.8	1989.6	1655.5	1340.5	1046.9	777.9	538.7	341.7	194.8
35°	3145.6	2869.2	2524.1	2167.3	1815.8	1475.8	1154.4	866.3	613.0	394.2	222.6
32.5°	3291.2	3046.3	2706.1	2338.6	1967.5	1603.7	1264.9	957.9	683.0	443.7	248.7
30°	3417.4	3174.4	2877.5	2499.9	2111.8	1733.3	1374.1	1043.9	748.5	490.0	276.9
27.5°	3532.4	3294.6	3027.6	2648.6	2250.2	1855.0	1475.8	1123.9	809.5	537.0	314.3
25°	3665.1	3397.2	3130.7	2785.7	2378.3	1967.5	1569.8	1198.1	872.0	586.6	348.8
22.5°	3850.2	3488.5	3225.5	2911.5	2495.7	2070.5	1659.3	1275.4	932.1	631.9	380.2
20°	4018.8	3571.4	3311.5	3018.9	2600.9	2167.3	1743.6	1345.2	986.4	672.7	408.5
17.5°	4283.7	3676.6	3381.3	3089.4	2693.8	2253.5	1818.7	1407.3	1034.6	709.0	433.7
15°	5031.9	3798.9	3441.2	3151.1	2775.2	2328.8	1884.2	1461.5	1076.7	740.6	455.6
12.5°	5673.0	3903.5	3492.3	3203.8	2844.5	2393.1	1940.0	1507.7	1112.5	767.5	474.3
10°	6203.1	3989.8	3534.5	3247.2	2901.7	2446.0	1986.0	1545.6	1142.0	789.6	489.6
7.5°	6619.0	4057.6	3567.6	3281.2	2946.4	2487.3	2021.8	1575.2	1164.9	806.8	501.6
5°	6918.0	4106.2	3591.3	3305.6	2978.5	2516.9	2047.6	1596.5	1181.4	819.2	510.1
2.5°	7098.2	4135.5	3605.6	3320.3	2997.8	2534.8	2063.0	1609.2	1191.3	826.6	515.3
0°	7158.4	4145.3	3610.4	3325.2	3004.2	2540.7	2068.2	1613.5	1194.6	829.1	517.0
-2.5°	7098.2	4135.5	3605.6	3320.3	2997.8	2534.8	2063.0	1609.2	1191.3	826.6	515.3
-5°	6918.0	4106.2	3591.3	3305.6	2978.5	2516.9	2047.6	1596.5	1181.4	819.2	510.1
-7.5°	6619.0	4057.6	3567.6	3281.2	2946.4	2487.3	2021.8	1575.2	1164.9	806.8	501.6
-10°	6203.1	3989.8	3534.5	3247.2	2901.7	2446.0	1986.0	1545.6	1142.0	789.6	489.6
-12.5°	5673.0	3903.5	3492.3	3203.8	2844.5	2393.1	1940.0	1507.7	1112.5	767.5	474.3
-15°	5031.9	3798.9	3441.2	3151.1	2775.2	2328.8	1884.2	1461.5	1076.7	740.6	455.6
-17.5°	4283.7	3676.6	3381.3	3089.4	2693.8	2253.5	1818.7	1407.3	1034.6	709.0	433.7
-20°	4018.8	3571.4	3311.5	3018.9	2600.9	2167.3	1743.6	1345.2	986.4	672.7	408.5



REPORT NUMBER: P1306514 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-1S-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	3850.2	3488.5	3225.5	2911.5	2495.7	2070.5	1659.3	1275.4	932.1	631.9	380.2
-25°	3665.1	3397.2	3130.7	2785.7	2378.3	1967.5	1569.8	1198.1	872.0	586.6	348.8
-27.5°	3532.4	3294.6	3027.6	2648.6	2250.2	1855.0	1475.8	1123.9	809.5	537.0	314.3
-30°	3417.4	3174.4	2877.5	2499.9	2111.8	1733.3	1374.1	1043.9	748.5	490.0	276.9
-32.5°	3291.2	3046.3	2706.1	2338.6	1967.5	1603.7	1264.9	957.9	683.0	443.7	248.7
-35°	3145.6	2869.2	2524.1	2167.3	1815.8	1475.8	1154.4	866.3	613.0	394.2	222.6
-37.5°	2987.6	2663.3	2328.8	1989.6	1655.5	1340.5	1046.9	777.9	538.7	341.7	194.8
-40°	2757.0	2446.0	2124.3	1807.1	1497.1	1198.1	933.6	690.5	471.8	286.3	165.5
-42.5°	2516.9	2217.2	1916.9	1616.6	1334.9	1067.7	817.1	598.8	406.0	243.5	134.6
-45°	2264.0	1983.4	1703.8	1433.8	1169.6	932.1	711.4	505.8	337.3	206.5	111.1
-47.5°	2005.7	1747.8	1493.7	1244.7	1016.9	797.0	601.5	426.1	266.4	168.0	99.2
-50°	1747.8	1513.7	1284.4	1068.1	859.0	672.7	493.6	343.5	221.3	128.0	86.9
-52.5°	1493.7	1284.4	1085.2	892.9	715.8	544.6	399.7	261.8	174.8	105.6	74.1
-55°	1244.7	1068.1	892.9	730.2	573.1	433.7	303.1	208.5	126.8	90.5	61.9
-57.5°	1016.9	859.0	715.8	573.1	445.1	325.7	228.9	153.8	102.3	75.0	57.4
-60°	797.0	672.7	544.6	433.7	325.7	235.7	167.3	109.5	84.5	61.3	52.8
-62.5°	601.5	493.6	399.7	303.1	228.9	167.3	111.8	89.2	66.2	55.9	48.0
-65°	426.1	343.5	261.8	208.5	153.8	109.5	89.2	68.6	57.5	50.4	43.2
-67.5°	266.4	221.3	174.8	126.8	102.3	84.5	66.2	57.5	51.2	44.7	38.2
-70°	168.0	128.0	105.6	90.5	75.0	61.3	55.9	50.4	44.7	39.0	33.2
-72.5°	99.2	86.9	74.1	61.9	57.4	52.8	48.0	43.2	38.2	33.2	28.0
-75°	63.9	59.4	55.7	52.0	48.1	44.1	40.0	35.9	31.6	27.3	24.8
-77.5°	51.1	48.1	45.1	42.0	38.7	35.4	32.0	28.5	25.8	24.0	22.2
-80°	39.1	36.8	34.3	31.8	29.2	26.6	25.3	23.9	22.5	21.0	19.6
-82.5°	27.1	26.0	25.1	24.2	23.2	22.2	21.2	20.2	19.1	18.0	16.0
-85°	20.9	20.3	19.7	19.1	18.5	17.8	16.4	15.0	13.6	12.2	10.7
-87.5°	12.0	11.4	10.8	10.2	9.6	8.9	8.2	7.5	6.8	6.1	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: P1306514 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-1S-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°	4.6	3.9	3.1	2.3	1.6	0.8	0.0
85°	9.2	7.7	6.2	4.6	3.1	1.6	0.0
82.5°	13.8	11.5	9.2	7.0	4.6	2.3	0.0
80°	18.1	15.3	12.3	9.2	6.2	3.1	0.0
77.5°	20.3	18.5	15.3	11.5	7.7	3.9	0.0
75°	22.6	20.3	18.1	13.8	9.2	4.6	0.0
72.5°	24.8	22.2	19.6	16.0	10.7	5.4	0.0
70°	27.3	24.0	21.0	18.0	12.2	6.1	0.0
67.5°	31.6	25.8	22.5	19.1	13.6	6.8	0.0
65°	35.9	28.5	23.9	20.2	15.0	7.5	0.0
62.5°	40.0	32.0	25.3	21.2	16.4	8.2	0.0
60°	44.1	35.4	26.6	22.2	17.8	8.9	0.0
57.5°	48.1	38.7	29.2	23.2	18.5	9.6	0.0
55°	52.0	42.0	31.8	24.2	19.1	10.2	0.0
52.5°	55.7	45.1	34.3	25.1	19.7	10.8	0.0
50°	59.4	48.1	36.8	26.0	20.3	11.4	0.0
47.5°	63.9	51.1	39.1	27.1	20.9	12.0	0.0
45°	74.1	53.9	41.4	28.8	21.5	12.6	0.0
42.5°	83.8	56.6	43.6	30.4	22.0	13.1	0.0
40°	93.1	59.2	45.6	32.0	22.5	13.6	0.0
37.5°	102.0	61.6	47.6	33.5	23.0	14.1	0.0
35°	110.3	66.9	49.4	34.8	23.5	14.6	0.0
32.5°	122.5	73.5	51.2	36.2	23.9	15.0	0.0
30°	143.3	79.6	52.8	37.4	24.3	15.4	0.0
27.5°	162.7	85.3	54.3	38.5	24.7	15.8	0.0
25°	180.5	90.5	55.7	39.5	25.0	16.1	0.0
22.5°	196.8	95.2	56.9	40.5	25.3	16.4	0.0
20°	211.4	99.5	58.1	41.3	25.6	16.7	0.0
17.5°	224.4	103.3	59.1	42.1	25.9	17.0	0.0
15°	235.7	106.6	60.0	42.8	26.1	17.2	0.0
12.5°	245.4	109.5	60.7	43.3	26.3	17.4	0.0
10°	253.3	111.8	61.3	43.8	26.4	17.5	0.0
7.5°	259.4	113.6	61.8	44.1	26.5	17.6	0.0
5°	263.9	114.9	62.1	44.4	26.6	17.7	0.0
2.5°	266.5	115.6	62.3	44.5	26.7	17.8	0.0
0°	267.4	115.9	62.4	44.6	26.7	17.8	0.0
-2.5°	266.5	115.6	62.3	44.5	26.7	17.8	0.0
-5°	263.9	114.9	62.1	44.4	26.6	17.7	0.0
-7.5°	259.4	113.6	61.8	44.1	26.5	17.6	0.0
-10°	253.3	111.8	61.3	43.8	26.4	17.5	0.0
-12.5°	245.4	109.5	60.7	43.3	26.3	17.4	0.0
-15°	235.7	106.6	60.0	42.8	26.1	17.2	0.0
-17.5°	224.4	103.3	59.1	42.1	25.9	17.0	0.0
-20°	211.4	99.5	58.1	41.3	25.6	16.7	0.0



REPORT NUMBER: P1306514 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-1S-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	196.8	95.2	56.9	40.5	25.3	16.4	0.0
-25°	180.5	90.5	55.7	39.5	25.0	16.1	0.0
-27.5°	162.7	85.3	54.3	38.5	24.7	15.8	0.0
-30°	143.3	79.6	52.8	37.4	24.3	15.4	0.0
-32.5°	122.5	73.5	51.2	36.2	23.9	15.0	0.0
-35°	110.3	66.9	49.4	34.8	23.5	14.6	0.0
-37.5°	102.0	61.6	47.6	33.5	23.0	14.1	0.0
-40°	93.1	59.2	45.6	32.0	22.5	13.6	0.0
-42.5°	83.8	56.6	43.6	30.4	22.0	13.1	0.0
-45°	74.1	53.9	41.4	28.8	21.5	12.6	0.0
-47.5°	63.9	51.1	39.1	27.1	20.9	12.0	0.0
-50°	59.4	48.1	36.8	26.0	20.3	11.4	0.0
-52.5°	55.7	45.1	34.3	25.1	19.7	10.8	0.0
-55°	52.0	42.0	31.8	24.2	19.1	10.2	0.0
-57.5°	48.1	38.7	29.2	23.2	18.5	9.6	0.0
-60°	44.1	35.4	26.6	22.2	17.8	8.9	0.0
-62.5°	40.0	32.0	25.3	21.2	16.4	8.2	0.0
-65°	35.9	28.5	23.9	20.2	15.0	7.5	0.0
-67.5°	31.6	25.8	22.5	19.1	13.6	6.8	0.0
-70°	27.3	24.0	21.0	18.0	12.2	6.1	0.0
-72.5°	24.8	22.2	19.6	16.0	10.7	5.4	0.0
-75°	22.6	20.3	18.1	13.8	9.2	4.6	0.0
-77.5°	20.3	18.5	15.3	11.5	7.7	3.9	0.0
-80°	18.1	15.3	12.3	9.2	6.2	3.1	0.0
-82.5°	13.8	11.5	9.2	7.0	4.6	2.3	0.0
-85°	9.2	7.7	6.2	4.6	3.1	1.6	0.0
-87.5°	4.6	3.9	3.1	2.3	1.6	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)