

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: P1306571 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200R-57-80-3S-A**

Issue Date: 2/3/2026

Test Information

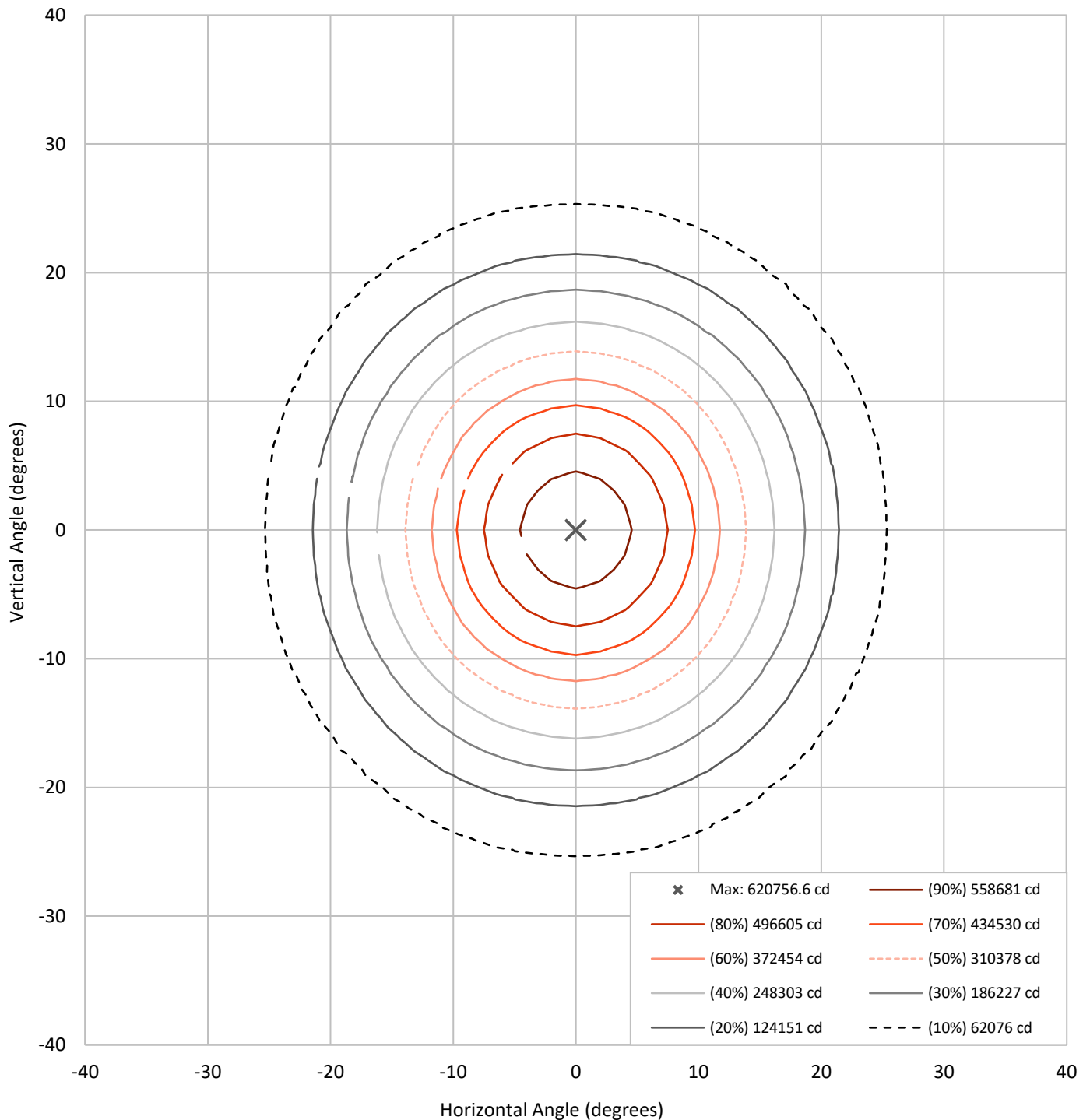
Test Method: LM-79-08
Report Number: P1306571 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-11)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS16-1200R-57-80-3S-A
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 80 CRI LEDS AND 3S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	181084.3 lumens	Max Intensity:	620756.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	148.1 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	27.8°H x 27.8°V	Field Angle (10%):	50.4°H x 50.4°V
Beam Lumens:	79605.2 lumens	Field Lumens:	148112.2 lumens
Beam Efficiency:	44.0%	Field Efficiency:	81.8%
Input Watts (W):	1223		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





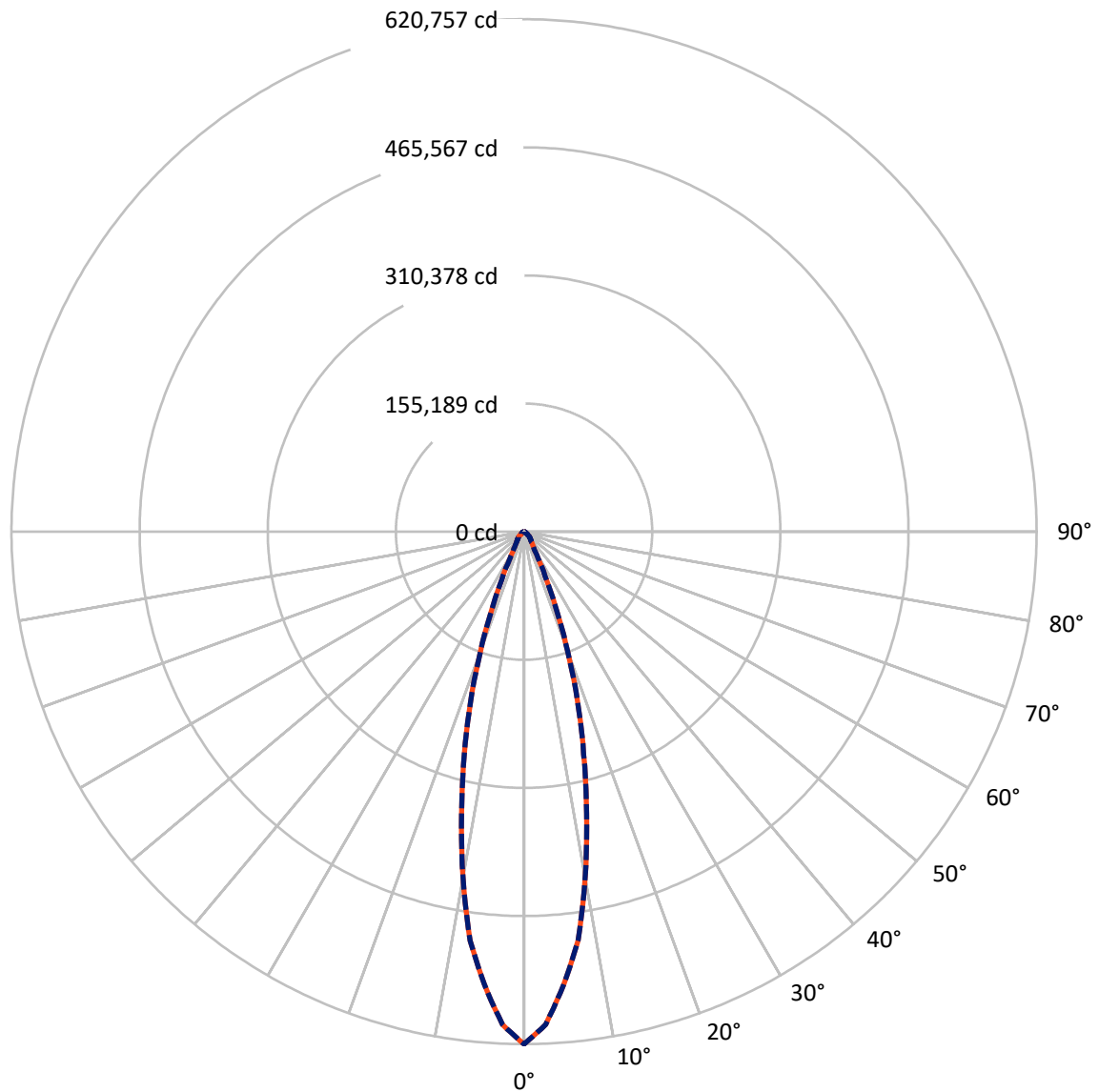
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Lumen Table

90	0.3		2.3		8.4		20.3		26.2		20.3		8.4		2.3		0.3
80	0.3		2.3		8.4		20.3		26.2		20.3		8.4		2.3		0.3
70	1.0	1.3	5.0	13.8	26.2	39.4	50.4	56.5	56.5	50.4	39.4	26.2	13.8	5.0	1.3	1.0	
60		3.8	15.6	36.2	62.5	90.4	113.4	126.3	126.3	113.4	90.4	62.5	36.2	15.6	3.8		
50	2.8	8.5	29.5	63.8	108.1	170.4	239.3	279.5	279.5	239.3	170.4	108.1	63.8	29.5	8.5	2.8	
40		13.9	44.2	93.6	188.5	309.2	419.2	508.8	508.8	419.2	309.2	188.5	93.6	44.2	13.9		
30	5.9	18.9	57.9	134.0	280.0	485.3	1074.3	2012.4	2012.4	1074.3	485.3	280.0	134.0	57.9	18.9	5.9	
20		22.7	68.1	177.0	357.0	1013.5	3961.0	7722.6	7722.6	3961.0	1013.5	357.0	177.0	68.1	22.7		
10	7.2	24.7	73.6	200.3	421.2	1849.8	7511.0	14630.8	14630.8	7511.0	1849.8	421.2	200.3	73.6	24.7	7.2	
0		24.7	73.6	200.3	421.2	1849.8	7511.0	14630.8	14630.8	7511.0	1849.8	421.2	200.3	73.6	24.7		
-10	5.9	22.7	68.1	177.0	357.0	1013.5	3961.0	7722.6	7722.6	3961.0	1013.5	357.0	177.0	68.1	22.7	5.9	
-20		18.9	57.9	134.0	280.0	485.3	1074.3	2012.4	2012.4	1074.3	485.3	280.0	134.0	57.9	18.9		
-30	2.8	13.9	44.2	93.6	188.5	309.2	419.2	508.8	508.8	419.2	309.2	188.5	93.6	44.2	13.9	2.8	
-40		8.5	29.5	63.8	108.1	170.4	239.3	279.5	279.5	239.3	170.4	108.1	63.8	29.5	8.5		
-50	1.0	3.8	15.6	36.2	62.5	90.4	113.4	126.3	126.3	113.4	90.4	62.5	36.2	15.6	3.8	1.0	
-60		1.3	5.0	13.8	26.2	39.4	50.4	56.5	56.5	50.4	39.4	26.2	13.8	5.0	1.3		
-70	0.3		2.3		8.4		20.3		26.2		20.3		8.4		2.3		0.3
-80	0.3		2.3		8.4		20.3		26.2		20.3		8.4		2.3		0.3
-90	0.3		2.3		8.4		20.3		26.2		20.3		8.4		2.3		0.3

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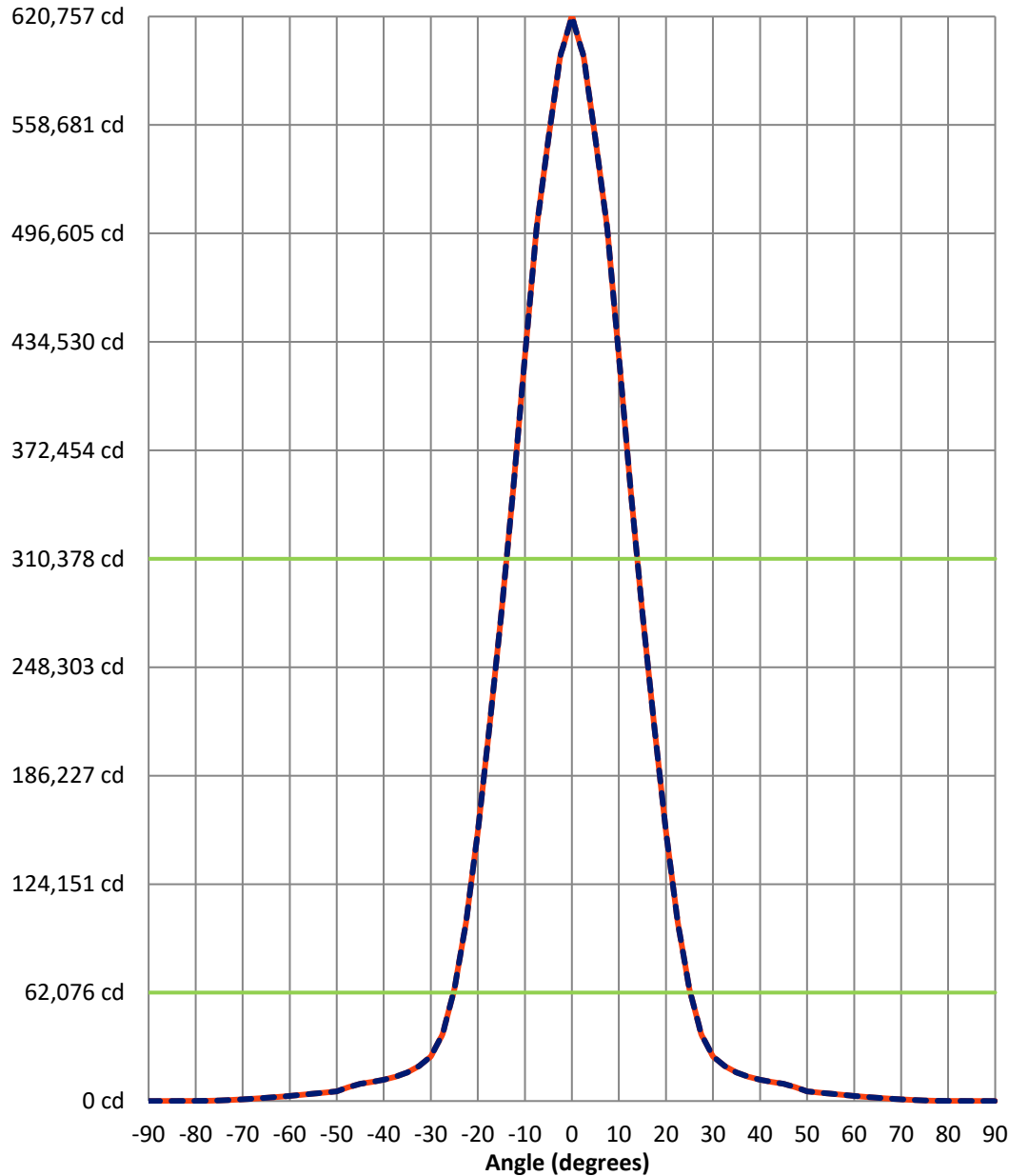
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 27.8°
 V Angle: 27.8°
 Lumens: 79605.2
 Efficiency: 44.0%

Field:
 H Angle: 50.4°
 V Angle: 50.4°
 Lumens: 148112.2
 Efficiency: 81.8%

Spill:
 Lumens: 32972.1
 Efficiency: 18.2%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through 0-Deg

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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.9	1.7	2.5	3.4	4.2	5.0	5.9	6.7	7.5	8.2
85°	0.0	1.7	3.4	5.1	6.8	8.4	10.1	11.7	13.3	14.9	16.5
82.5°	0.0	2.5	5.1	7.6	10.1	12.6	15.1	17.5	19.8	21.5	23.2
80°	0.0	3.4	6.8	10.1	13.5	16.8	19.9	22.2	24.5	26.8	29.0
77.5°	0.0	4.2	8.4	12.6	16.8	20.5	23.5	26.3	29.2	32.0	35.2
75°	0.0	5.0	10.1	15.1	19.9	23.5	27.0	30.4	34.0	38.5	42.9
72.5°	0.0	5.9	11.7	17.5	22.2	26.3	30.4	34.8	40.1	45.4	50.5
70°	0.0	6.7	13.3	19.8	24.5	29.2	34.0	40.1	46.2	52.2	59.2
67.5°	0.0	7.5	14.9	21.5	26.8	32.0	38.5	45.4	52.2	60.2	68.0
65°	0.0	8.2	16.5	23.2	29.0	35.2	42.9	50.5	59.2	68.0	82.0
62.5°	0.0	9.0	18.0	24.8	31.2	38.9	47.3	56.3	66.1	79.0	108.2
60°	0.0	9.7	19.5	26.4	33.3	42.4	51.5	62.2	72.8	102.2	133.8
57.5°	0.0	10.5	20.5	28.0	36.0	45.9	56.4	68.0	90.2	124.8	188.4
55°	0.0	11.2	21.5	29.5	38.7	49.3	61.2	73.6	109.8	155.3	255.4
52.5°	0.0	11.9	22.5	30.9	41.3	52.6	65.9	89.1	128.9	214.1	320.7
50°	0.0	12.5	23.5	32.4	43.9	56.4	70.4	105.2	156.8	271.1	416.9
47.5°	0.0	13.2	24.4	33.8	46.3	60.1	76.1	120.9	205.8	326.3	513.9
45°	0.0	13.8	25.2	35.6	48.7	63.6	89.0	135.9	253.0	409.6	607.5
42.5°	0.0	14.4	26.1	37.3	50.9	66.9	101.3	164.9	298.2	490.3	714.7
40°	0.0	14.9	26.9	38.9	53.3	70.1	113.1	202.7	349.7	567.5	820.2
37.5°	0.0	15.5	27.6	40.4	55.7	73.2	124.3	238.6	414.8	645.7	920.8
35°	0.0	16.0	28.4	41.9	58.0	80.0	135.0	272.6	476.5	731.1	1021.6
32.5°	0.0	16.4	29.0	43.2	60.2	88.2	150.0	304.6	534.6	811.6	1124.9
30°	0.0	16.9	29.7	44.5	62.2	96.0	175.6	338.6	589.0	887.0	1221.8
27.5°	0.0	17.3	30.3	45.7	64.1	103.2	199.3	382.6	643.7	957.2	1312.0
25°	0.0	17.7	30.8	46.7	65.8	109.8	221.1	423.1	700.8	1028.1	1395.7
22.5°	0.0	18.0	31.3	47.7	67.4	115.8	241.0	460.0	752.9	1095.9	1483.0
20°	0.0	18.3	31.7	48.6	68.8	121.3	258.9	493.3	799.8	1157.0	1561.8
17.5°	0.0	18.6	32.1	49.4	70.1	126.1	274.9	522.9	841.5	1211.4	1631.9
15°	0.0	18.8	32.5	50.1	71.1	130.3	288.7	548.6	877.9	1258.8	1693.1
12.5°	0.0	19.0	32.7	50.7	72.1	133.8	300.5	570.5	908.8	1299.2	1745.3
10°	0.0	19.2	33.0	51.1	72.8	136.8	310.2	588.5	934.3	1332.4	1788.1
7.5°	0.0	19.3	33.2	51.5	73.4	139.1	317.8	602.6	954.1	1358.3	1821.6
5°	0.0	19.4	33.3	51.8	73.9	140.7	323.2	612.6	968.3	1376.8	1845.6
2.5°	0.0	19.5	33.4	51.9	74.1	141.7	326.4	618.7	976.8	1388.0	1860.0
0°	0.0	19.5	33.4	51.9	74.1	141.7	326.4	618.7	976.8	1388.0	1860.0
-2.5°	0.0	19.4	33.3	51.8	73.9	140.7	323.2	612.6	968.3	1376.8	1845.6
-5°	0.0	19.3	33.2	51.5	73.4	139.1	317.8	602.6	954.1	1358.3	1821.6
-7.5°	0.0	19.2	33.0	51.1	72.8	136.8	310.2	588.5	934.3	1332.4	1788.1
-10°	0.0	19.0	32.7	50.7	72.1	133.8	300.5	570.5	908.8	1299.2	1745.3
-12.5°	0.0	18.8	32.5	50.1	71.1	130.3	288.7	548.6	877.9	1258.8	1693.1
-15°	0.0	18.6	32.1	49.4	70.1	126.1	274.9	522.9	841.5	1211.4	1631.9
-17.5°	0.0	18.3	31.7	48.6	68.8	121.3	258.9	493.3	799.8	1157.0	1561.8
-20°	0.0	18.3	31.7	48.6	68.8	121.3	258.9	493.3	799.8	1157.0	1561.8



REPORT NUMBER: P1306571 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-3S-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	18.0	31.3	47.7	67.4	115.8	241.0	460.0	752.9	1095.9	1483.0
-25°	0.0	17.7	30.8	46.7	65.8	109.8	221.1	423.1	700.8	1028.1	1395.7
-27.5°	0.0	17.3	30.3	45.7	64.1	103.2	199.3	382.6	643.7	957.2	1312.0
-30°	0.0	16.9	29.7	44.5	62.2	96.0	175.6	338.6	589.0	887.0	1221.8
-32.5°	0.0	16.4	29.0	43.2	60.2	88.2	150.0	304.6	534.6	811.6	1124.9
-35°	0.0	16.0	28.4	41.9	58.0	80.0	135.0	272.6	476.5	731.1	1021.6
-37.5°	0.0	15.5	27.6	40.4	55.7	73.2	124.3	238.6	414.8	645.7	920.8
-40°	0.0	14.9	26.9	38.9	53.3	70.1	113.1	202.7	349.7	567.5	820.2
-42.5°	0.0	14.4	26.1	37.3	50.9	66.9	101.3	164.9	298.2	490.3	714.7
-45°	0.0	13.8	25.2	35.6	48.7	63.6	89.0	135.9	253.0	409.6	607.5
-47.5°	0.0	13.2	24.4	33.8	46.3	60.1	76.1	120.9	205.8	326.3	513.9
-50°	0.0	12.5	23.5	32.4	43.9	56.4	70.4	105.2	156.8	271.1	416.9
-52.5°	0.0	11.9	22.5	30.9	41.3	52.6	65.9	89.1	128.9	214.1	320.7
-55°	0.0	11.2	21.5	29.5	38.7	49.3	61.2	73.6	109.8	155.3	255.4
-57.5°	0.0	10.5	20.5	28.0	36.0	45.9	56.4	68.0	90.2	124.8	188.4
-60°	0.0	9.7	19.5	26.4	33.3	42.4	51.5	62.2	72.8	102.2	133.8
-62.5°	0.0	9.0	18.0	24.8	31.2	38.9	47.3	56.3	66.1	79.0	108.2
-65°	0.0	8.2	16.5	23.2	29.0	35.2	42.9	50.5	59.2	68.0	82.0
-67.5°	0.0	7.5	14.9	21.5	26.8	32.0	38.5	45.4	52.2	60.2	68.0
-70°	0.0	6.7	13.3	19.8	24.5	29.2	34.0	40.1	46.2	52.2	59.2
-72.5°	0.0	5.9	11.7	17.5	22.2	26.3	30.4	34.8	40.1	45.4	50.5
-75°	0.0	5.0	10.1	15.1	19.9	23.5	27.0	30.4	34.0	38.5	42.9
-77.5°	0.0	4.2	8.4	12.6	16.8	20.5	23.5	26.3	29.2	32.0	35.2
-80°	0.0	3.4	6.8	10.1	13.5	16.8	19.9	22.2	24.5	26.8	29.0
-82.5°	0.0	2.5	5.1	7.6	10.1	12.6	15.1	17.5	19.8	21.5	23.2
-85°	0.0	1.7	3.4	5.1	6.8	8.4	10.1	11.7	13.3	14.9	16.5
-87.5°	0.0	0.9	1.7	2.5	3.4	4.2	5.0	5.9	6.7	7.5	8.2
-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-57-80-3S-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°	9.0	9.7	10.5	11.2	11.9	12.5	13.2	13.8	14.4	14.9	15.5
85°	18.0	19.5	20.5	21.5	22.5	23.5	24.4	25.2	26.1	26.9	27.6
82.5°	24.8	26.4	28.0	29.5	30.9	32.4	33.8	35.6	37.3	38.9	40.4
80°	31.2	33.3	36.0	38.7	41.3	43.9	46.3	48.7	50.9	53.3	55.7
77.5°	38.9	42.4	45.9	49.3	52.6	56.4	60.1	63.6	66.9	70.1	73.2
75°	47.3	51.5	56.4	61.2	65.9	70.4	76.1	89.0	101.3	113.1	124.3
72.5°	56.3	62.2	68.0	73.6	89.1	105.2	120.9	135.9	164.9	202.7	238.6
70°	66.1	72.8	90.2	109.8	128.9	156.8	205.8	253.0	298.2	349.7	414.8
67.5°	79.0	102.2	124.8	155.3	214.1	271.1	326.3	409.6	490.3	567.5	645.7
65°	108.2	133.8	188.4	255.4	320.7	416.9	513.9	607.5	714.7	820.2	920.8
62.5°	136.9	205.0	280.4	369.5	483.0	593.2	717.9	844.3	965.8	1097.5	1225.2
60°	205.0	288.7	396.0	522.9	652.4	799.8	942.7	1095.9	1248.6	1395.7	1556.4
57.5°	280.4	396.0	536.2	685.3	849.3	1013.4	1191.3	1363.6	1550.1	1733.3	1910.6
55°	369.5	522.9	685.3	865.9	1051.7	1249.1	1448.3	1661.8	1868.1	2075.8	2274.7
52.5°	483.0	652.4	849.3	1051.7	1268.4	1493.1	1729.5	1963.2	2195.5	2427.1	2670.4
50°	593.2	799.8	1013.4	1249.1	1493.1	1752.1	2011.1	2267.9	2537.6	2809.8	3094.5
47.5°	717.9	942.7	1191.3	1448.3	1729.5	2011.1	2292.2	2593.3	2894.2	3226.1	3549.6
45°	844.3	1095.9	1363.6	1661.8	1963.2	2267.9	2593.3	2922.5	3292.4	3650.1	3994.2
42.5°	965.8	1248.6	1550.1	1868.1	2195.5	2537.6	2894.2	3292.4	3683.8	4062.5	4420.0
40°	1097.5	1395.7	1733.3	2075.8	2427.1	2809.8	3226.1	3650.1	4062.5	4453.5	4825.7
37.5°	1225.2	1556.4	1910.6	2274.7	2670.4	3094.5	3549.6	3994.2	4420.0	4825.7	5275.6
35°	1346.4	1709.3	2085.2	2478.2	2902.7	3383.5	3858.6	4320.1	4757.5	5235.5	6067.7
32.5°	1471.1	1853.8	2250.5	2682.0	3154.6	3658.0	4152.8	4622.4	5115.8	5795.1	7465.3
30°	1594.4	1995.4	2412.2	2873.9	3395.1	3916.8	4422.8	4918.8	5468.6	7048.2	8635.7
27.5°	1709.3	2128.0	2576.9	3073.9	3620.1	4159.5	4673.8	5229.2	6362.8	8177.7	9658.4
25°	1815.4	2250.5	2729.3	3266.3	3828.5	4378.6	4917.2	5518.9	7398.6	9075.7	10287.6
22.5°	1914.7	2363.1	2869.0	3442.8	4020.0	4577.8	5165.1	6312.9	8278.1	9891.6	10785.9
20°	2006.6	2478.2	3006.9	3602.6	4193.7	4759.0	5390.8	7124.9	8986.3	10316.7	11297.8
17.5°	2088.4	2580.8	3137.4	3745.0	4343.9	4932.7	5669.7	7854.1	9623.7	10700.3	11786.2
15°	2159.8	2670.4	3251.5	3869.7	4474.6	5096.3	6261.6	8390.2	10045.9	11056.9	12223.7
12.5°	2220.6	2746.9	3348.9	3976.1	4586.2	5236.4	6768.7	8835.5	10315.1	11401.4	12729.2
10°	2270.7	2809.8	3429.1	4063.9	4678.4	5352.1	7188.0	9204.2	10538.4	11687.7	13150.1
7.5°	2309.8	2858.9	3491.8	4132.6	4750.6	5442.7	7517.0	9493.7	10714.0	11913.2	13482.3
5°	2337.8	2894.2	3536.8	4181.8	4802.4	5507.9	7753.5	9702.1	10840.5	12075.8	13722.3
2.5°	2354.7	2915.4	3563.9	4211.5	4833.6	5547.1	7896.1	9827.8	10916.8	12174.0	13867.4
0°	2360.3	2922.5	3572.9	4221.4	4844.0	5560.2	7943.7	9869.8	10942.3	12206.9	13915.9
-2.5°	2354.7	2915.4	3563.9	4211.5	4833.6	5547.1	7896.1	9827.8	10916.8	12174.0	13867.4
-5°	2337.8	2894.2	3536.8	4181.8	4802.4	5507.9	7753.5	9702.1	10840.5	12075.8	13722.3
-7.5°	2309.8	2858.9	3491.8	4132.6	4750.6	5442.7	7517.0	9493.7	10714.0	11913.2	13482.3
-10°	2270.7	2809.8	3429.1	4063.9	4678.4	5352.1	7188.0	9204.2	10538.4	11687.7	13150.1
-12.5°	2220.6	2746.9	3348.9	3976.1	4586.2	5236.4	6768.7	8835.5	10315.1	11401.4	12729.2
-15°	2159.8	2670.4	3251.5	3869.7	4474.6	5096.3	6261.6	8390.2	10045.9	11056.9	12223.7
-17.5°	2088.4	2580.8	3137.4	3745.0	4343.9	4932.7	5669.7	7854.1	9623.7	10700.3	11786.2
-20°	2006.6	2478.2	3006.9	3602.6	4193.7	4759.0	5390.8	7124.9	8986.3	10316.7	11297.8



REPORT NUMBER: P1306571 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-3S-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1914.7	2363.1	2869.0	3442.8	4020.0	4577.8	5165.1	6312.9	8278.1	9891.6	10785.9
-25°	1815.4	2250.5	2729.3	3266.3	3828.5	4378.6	4917.2	5518.9	7398.6	9075.7	10287.6
-27.5°	1709.3	2128.0	2576.9	3073.9	3620.1	4159.5	4673.8	5229.2	6362.8	8177.7	9658.4
-30°	1594.4	1995.4	2412.2	2873.9	3395.1	3916.8	4422.8	4918.8	5468.6	7048.2	8635.7
-32.5°	1471.1	1853.8	2250.5	2682.0	3154.6	3658.0	4152.8	4622.4	5115.8	5795.1	7465.3
-35°	1346.4	1709.3	2085.2	2478.2	2902.7	3383.5	3858.6	4320.1	4757.5	5235.5	6067.7
-37.5°	1225.2	1556.4	1910.6	2274.7	2670.4	3094.5	3549.6	3994.2	4420.0	4825.7	5275.6
-40°	1097.5	1395.7	1733.3	2075.8	2427.1	2809.8	3226.1	3650.1	4062.5	4453.5	4825.7
-42.5°	965.8	1248.6	1550.1	1868.1	2195.5	2537.6	2894.2	3292.4	3683.8	4062.5	4420.0
-45°	844.3	1095.9	1363.6	1661.8	1963.2	2267.9	2593.3	2922.5	3292.4	3650.1	3994.2
-47.5°	717.9	942.7	1191.3	1448.3	1729.5	2011.1	2292.2	2593.3	2894.2	3226.1	3549.6
-50°	593.2	799.8	1013.4	1249.1	1493.1	1752.1	2011.1	2267.9	2537.6	2809.8	3094.5
-52.5°	483.0	652.4	849.3	1051.7	1268.4	1493.1	1729.5	1963.2	2195.5	2427.1	2670.4
-55°	369.5	522.9	685.3	865.9	1051.7	1249.1	1448.3	1661.8	1868.1	2075.8	2274.7
-57.5°	280.4	396.0	536.2	685.3	849.3	1013.4	1191.3	1363.6	1550.1	1733.3	1910.6
-60°	205.0	288.7	396.0	522.9	652.4	799.8	942.7	1095.9	1248.6	1395.7	1556.4
-62.5°	136.9	205.0	280.4	369.5	483.0	593.2	717.9	844.3	965.8	1097.5	1225.2
-65°	108.2	133.8	188.4	255.4	320.7	416.9	513.9	607.5	714.7	820.2	920.8
-67.5°	79.0	102.2	124.8	155.3	214.1	271.1	326.3	409.6	490.3	567.5	645.7
-70°	66.1	72.8	90.2	109.8	128.9	156.8	205.8	253.0	298.2	349.7	414.8
-72.5°	56.3	62.2	68.0	73.6	89.1	105.2	120.9	135.9	164.9	202.7	238.6
-75°	47.3	51.5	56.4	61.2	65.9	70.4	76.1	89.0	101.3	113.1	124.3
-77.5°	38.9	42.4	45.9	49.3	52.6	56.4	60.1	63.6	66.9	70.1	73.2
-80°	31.2	33.3	36.0	38.7	41.3	43.9	46.3	48.7	50.9	53.3	55.7
-82.5°	24.8	26.4	28.0	29.5	30.9	32.4	33.8	35.6	37.3	38.9	40.4
-85°	18.0	19.5	20.5	21.5	22.5	23.5	24.4	25.2	26.1	26.9	27.6
-87.5°	9.0	9.7	10.5	11.2	11.9	12.5	13.2	13.8	14.4	14.9	15.5
-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: P1306571 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-3S-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°	16.0	16.4	16.9	17.3	17.7	18.0	18.3	18.6	18.8	19.0	19.2
85°	28.4	29.0	29.7	30.3	30.8	31.3	31.7	32.1	32.5	32.7	33.0
82.5°	41.9	43.2	44.5	45.7	46.7	47.7	48.6	49.4	50.1	50.7	51.1
80°	58.0	60.2	62.2	64.1	65.8	67.4	68.8	70.1	71.1	72.1	72.8
77.5°	80.0	88.2	96.0	103.2	109.8	115.8	121.3	126.1	130.3	133.8	136.8
75°	135.0	150.0	175.6	199.3	221.1	241.0	258.9	274.9	288.7	300.5	310.2
72.5°	272.6	304.6	338.6	382.6	423.1	460.0	493.3	522.9	548.6	570.5	588.5
70°	476.5	534.6	589.0	643.7	700.8	752.9	799.8	841.5	877.9	908.8	934.3
67.5°	731.1	811.6	887.0	957.2	1028.1	1095.9	1157.0	1211.4	1258.8	1299.2	1332.4
65°	1021.6	1124.9	1221.8	1312.0	1395.7	1483.0	1561.8	1631.9	1693.1	1745.3	1788.1
62.5°	1346.4	1471.1	1594.4	1709.3	1815.4	1914.7	2006.6	2088.4	2159.8	2220.6	2270.7
60°	1709.3	1853.8	1995.4	2128.0	2250.5	2363.1	2478.2	2580.8	2670.4	2746.9	2809.8
57.5°	2085.2	2250.5	2412.2	2576.9	2729.3	2869.0	3006.9	3137.4	3251.5	3348.9	3429.1
55°	2478.2	2682.0	2873.9	3073.9	3266.3	3442.8	3602.6	3745.0	3869.7	3976.1	4063.9
52.5°	2902.7	3154.6	3395.1	3620.1	3828.5	4020.0	4193.7	4343.9	4474.6	4586.2	4678.4
50°	3383.5	3658.0	3916.8	4159.5	4378.6	4577.8	4759.0	4932.7	5096.3	5236.4	5352.1
47.5°	3858.6	4152.8	4422.8	4673.8	4917.2	5165.1	5390.8	5669.7	6261.6	6768.7	7188.0
45°	4320.1	4622.4	4918.8	5229.2	5518.9	6312.9	7124.9	7854.1	8390.2	8835.5	9204.2
42.5°	4757.5	5115.8	5468.6	6362.8	7398.6	8278.1	8986.3	9623.7	10045.9	10315.1	10538.4
40°	5235.5	5795.1	7048.2	8177.7	9075.7	9891.6	10316.7	10700.3	11056.9	11401.4	11687.7
37.5°	6067.7	7465.3	8635.7	9658.4	10287.6	10785.9	11297.8	11786.2	12223.7	12729.2	13150.1
35°	7605.3	8867.2	9949.9	10557.0	11163.1	11793.5	12433.5	13146.3	13780.2	14507.5	15163.6
32.5°	8867.2	10016.3	10693.4	11410.6	12131.6	13018.1	13862.9	14941.3	15924.3	16986.4	18058.0
30°	9949.9	10693.4	11493.9	12336.9	13375.9	14541.9	15841.7	17363.8	18960.1	20517.3	22270.9
27.5°	10557.0	11410.6	12336.9	13496.4	14898.7	16411.1	18502.7	20625.7	23219.5	25494.7	29962.3
25°	11163.1	12131.6	13375.9	14898.7	16690.4	19083.3	21978.5	25087.9	31104.0	36902.9	45387.2
22.5°	11793.5	13018.1	14541.9	16411.1	19083.3	22435.9	26761.4	34591.3	45205.4	57931.2	71332.1
20°	12433.5	13862.9	15841.7	18502.7	21978.5	26761.4	35774.1	50188.2	66737.2	87796.4	107222.4
17.5°	13146.3	14941.3	17363.8	20625.7	25087.9	34591.3	50188.2	70762.5	96332.3	125432.5	152703.6
15°	13780.2	15924.3	18960.1	23219.5	31104.0	45205.4	66737.2	96332.3	131678.6	168046.4	203645.8
12.5°	14507.5	16986.4	20517.3	25494.7	36902.9	57931.2	87796.4	125432.5	168046.4	212292.1	254477.9
10°	15163.6	18058.0	22270.9	29962.3	45387.2	71332.1	107222.4	152703.6	203645.8	254477.9	304500.3
7.5°	15682.5	18908.1	23666.6	33543.7	53316.1	84606.9	127207.7	178710.7	234604.5	291969.4	350237.8
5°	16058.1	19524.5	24681.5	36157.2	59127.8	94393.5	142055.7	198439.5	258706.6	322940.9	388246.4
2.5°	16285.4	19898.3	25298.0	37748.7	62678.1	100397.5	151217.8	210713.3	273882.0	342707.0	415972.6
0°	16361.5	20023.5	25504.8	38283.2	63872.5	102422.0	154316.8	214883.6	279073.4	349589.8	425936.4
-2.5°	16285.4	19898.3	25298.0	37748.7	62678.1	100397.5	151217.8	210713.3	273882.0	342707.0	415972.6
-5°	16058.1	19524.5	24681.5	36157.2	59127.8	94393.5	142055.7	198439.5	258706.6	322940.9	388246.4
-7.5°	15682.5	18908.1	23666.6	33543.7	53316.1	84606.9	127207.7	178710.7	234604.5	291969.4	350237.8
-10°	15163.6	18058.0	22270.9	29962.3	45387.2	71332.1	107222.4	152703.6	203645.8	254477.9	304500.3
-12.5°	14507.5	16986.4	20517.3	25494.7	36902.9	57931.2	87796.4	125432.5	168046.4	212292.1	254477.9
-15°	13780.2	15924.3	18960.1	23219.5	31104.0	45205.4	66737.2	96332.3	131678.6	168046.4	203645.8
-17.5°	13146.3	14941.3	17363.8	20625.7	25087.9	34591.3	50188.2	70762.5	96332.3	125432.5	152703.6
-20°	12433.5	13862.9	15841.7	18502.7	21978.5	26761.4	35774.1	50188.2	66737.2	87796.4	107222.4



REPORT NUMBER: P1306571 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-3S-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11793.5	13018.1	14541.9	16411.1	19083.3	22435.9	26761.4	34591.3	45205.4	57931.2	71332.1
-25°	11163.1	12131.6	13375.9	14898.7	16690.4	19083.3	21978.5	25087.9	31104.0	36902.9	45387.2
-27.5°	10557.0	11410.6	12336.9	13496.4	14898.7	16411.1	18502.7	20625.7	23219.5	25494.7	29962.3
-30°	9949.9	10693.4	11493.9	12336.9	13375.9	14541.9	15841.7	17363.8	18960.1	20517.3	22270.9
-32.5°	8867.2	10016.3	10693.4	11410.6	12131.6	13018.1	13862.9	14941.3	15924.3	16986.4	18058.0
-35°	7605.3	8867.2	9949.9	10557.0	11163.1	11793.5	12433.5	13146.3	13780.2	14507.5	15163.6
-37.5°	6067.7	7465.3	8635.7	9658.4	10287.6	10785.9	11297.8	11786.2	12223.7	12729.2	13150.1
-40°	5235.5	5795.1	7048.2	8177.7	9075.7	9891.6	10316.7	10700.3	11056.9	11401.4	11687.7
-42.5°	4757.5	5115.8	5468.6	6362.8	7398.6	8278.1	8986.3	9623.7	10045.9	10315.1	10538.4
-45°	4320.1	4622.4	4918.8	5229.2	5518.9	6312.9	7124.9	7854.1	8390.2	8835.5	9204.2
-47.5°	3858.6	4152.8	4422.8	4673.8	4917.2	5165.1	5390.8	5669.7	6261.6	6768.7	7188.0
-50°	3383.5	3658.0	3916.8	4159.5	4378.6	4577.8	4759.0	4932.7	5096.3	5236.4	5352.1
-52.5°	2902.7	3154.6	3395.1	3620.1	3828.5	4020.0	4193.7	4343.9	4474.6	4586.2	4678.4
-55°	2478.2	2682.0	2873.9	3073.9	3266.3	3442.8	3602.6	3745.0	3869.7	3976.1	4063.9
-57.5°	2085.2	2250.5	2412.2	2576.9	2729.3	2869.0	3006.9	3137.4	3251.5	3348.9	3429.1
-60°	1709.3	1853.8	1995.4	2128.0	2250.5	2363.1	2478.2	2580.8	2670.4	2746.9	2809.8
-62.5°	1346.4	1471.1	1594.4	1709.3	1815.4	1914.7	2006.6	2088.4	2159.8	2220.6	2270.7
-65°	1021.6	1124.9	1221.8	1312.0	1395.7	1483.0	1561.8	1631.9	1693.1	1745.3	1788.1
-67.5°	731.1	811.6	887.0	957.2	1028.1	1095.9	1157.0	1211.4	1258.8	1299.2	1332.4
-70°	476.5	534.6	589.0	643.7	700.8	752.9	799.8	841.5	877.9	908.8	934.3
-72.5°	272.6	304.6	338.6	382.6	423.1	460.0	493.3	522.9	548.6	570.5	588.5
-75°	135.0	150.0	175.6	199.3	221.1	241.0	258.9	274.9	288.7	300.5	310.2
-77.5°	80.0	88.2	96.0	103.2	109.8	115.8	121.3	126.1	130.3	133.8	136.8
-80°	58.0	60.2	62.2	64.1	65.8	67.4	68.8	70.1	71.1	72.1	72.8
-82.5°	41.9	43.2	44.5	45.7	46.7	47.7	48.6	49.4	50.1	50.7	51.1
-85°	28.4	29.0	29.7	30.3	30.8	31.3	31.7	32.1	32.5	32.7	33.0
-87.5°	16.0	16.4	16.9	17.3	17.7	18.0	18.3	18.6	18.8	19.0	19.2
-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: P1306571 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-3S-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°	19.3	19.4	19.5	19.5	19.5	19.4	19.3	19.2	19.0	18.8	18.6
85°	33.2	33.3	33.4	33.4	33.4	33.3	33.2	33.0	32.7	32.5	32.1
82.5°	51.5	51.8	51.9	52.0	51.9	51.8	51.5	51.1	50.7	50.1	49.4
80°	73.4	73.9	74.1	74.2	74.1	73.9	73.4	72.8	72.1	71.1	70.1
77.5°	139.1	140.7	141.7	142.0	141.7	140.7	139.1	136.8	133.8	130.3	126.1
75°	317.8	323.2	326.4	327.5	326.4	323.2	317.8	310.2	300.5	288.7	274.9
72.5°	602.6	612.6	618.7	620.7	618.7	612.6	602.6	588.5	570.5	548.6	522.9
70°	954.1	968.3	976.8	979.7	976.8	968.3	954.1	934.3	908.8	877.9	841.5
67.5°	1358.3	1376.8	1388.0	1391.7	1388.0	1376.8	1358.3	1332.4	1299.2	1258.8	1211.4
65°	1821.6	1845.6	1860.0	1864.8	1860.0	1845.6	1821.6	1788.1	1745.3	1693.1	1631.9
62.5°	2309.8	2337.8	2354.7	2360.3	2354.7	2337.8	2309.8	2270.7	2220.6	2159.8	2088.4
60°	2858.9	2894.2	2915.4	2922.5	2915.4	2894.2	2858.9	2809.8	2746.9	2670.4	2580.8
57.5°	3491.8	3536.8	3563.9	3572.9	3563.9	3536.8	3491.8	3429.1	3348.9	3251.5	3137.4
55°	4132.6	4181.8	4211.5	4221.4	4211.5	4181.8	4132.6	4063.9	3976.1	3869.7	3745.0
52.5°	4750.6	4802.4	4833.6	4844.0	4833.6	4802.4	4750.6	4678.4	4586.2	4474.6	4343.9
50°	5442.7	5507.9	5547.1	5560.2	5547.1	5507.9	5442.7	5352.1	5236.4	5096.3	4932.7
47.5°	7517.0	7753.5	7896.1	7943.7	7896.1	7753.5	7517.0	7188.0	6768.7	6261.6	5669.7
45°	9493.7	9702.1	9827.8	9869.8	9827.8	9702.1	9493.7	9204.2	8835.5	8390.2	7854.1
42.5°	10714.0	10840.5	10916.8	10942.3	10916.8	10840.5	10714.0	10538.4	10315.1	10045.9	9623.7
40°	11913.2	12075.8	12174.0	12206.9	12174.0	12075.8	11913.2	11687.7	11401.4	11056.9	10700.3
37.5°	13482.3	13722.3	13867.4	13915.9	13867.4	13722.3	13482.3	13150.1	12729.2	12223.7	11786.2
35°	15682.5	16058.1	16285.4	16361.5	16285.4	16058.1	15682.5	15163.6	14507.5	13780.2	13146.3
32.5°	18908.1	19524.5	19898.3	20023.5	19898.3	19524.5	18908.1	18058.0	16986.4	15924.3	14941.3
30°	23666.6	24681.5	25298.0	25504.8	25298.0	24681.5	23666.6	22270.9	20517.3	18960.1	17363.8
27.5°	33543.7	36157.2	37748.7	38283.2	37748.7	36157.2	33543.7	29962.3	25494.7	23219.5	20625.7
25°	53316.1	59127.8	62678.1	63872.5	62678.1	59127.8	53316.1	45387.2	36902.9	31104.0	25087.9
22.5°	84606.9	94393.5	100397.5	102422.0	100397.5	94393.5	84606.9	71332.1	57931.2	45205.4	34591.3
20°	127207.7	142055.7	151217.8	154316.8	151217.8	142055.7	127207.7	107222.4	87796.4	66737.2	50188.2
17.5°	178710.7	198439.5	210713.3	214883.6	210713.3	198439.5	178710.7	152703.6	125432.5	96332.3	70762.5
15°	234604.5	258706.6	273882.0	279073.4	273882.0	258706.6	234604.5	203645.8	168046.4	131678.6	96332.3
12.5°	291969.4	322940.9	342707.0	349589.8	342707.0	322940.9	291969.4	254477.9	212292.1	168046.4	125432.5
10°	350237.8	388246.4	415972.6	425936.4	415972.6	388246.4	350237.8	304500.3	254477.9	203645.8	152703.6
7.5°	406595.7	459300.6	490732.4	499777.0	490732.4	459300.6	406595.7	350237.8	291969.4	234604.5	178710.7
5°	459300.6	509494.0	539265.0	550703.2	539265.0	509494.0	459300.6	388246.4	322940.9	258706.6	198439.5
2.5°	490732.4	539265.0	579110.5	597681.7	579110.5	539265.0	490732.4	415972.6	342707.0	273882.0	210713.3
0°	499777.0	550703.2	597681.7	620756.6	597681.7	550703.2	499777.0	425936.4	349589.8	279073.4	214883.6
-2.5°	490732.4	539265.0	579110.5	597681.7	579110.5	539265.0	490732.4	415972.6	342707.0	273882.0	210713.3
-5°	459300.6	509494.0	539265.0	550703.2	539265.0	509494.0	459300.6	388246.4	322940.9	258706.6	198439.5
-7.5°	406595.7	459300.6	490732.4	499777.0	490732.4	459300.6	406595.7	350237.8	291969.4	234604.5	178710.7
-10°	350237.8	388246.4	415972.6	425936.4	415972.6	388246.4	350237.8	304500.3	254477.9	203645.8	152703.6
-12.5°	291969.4	322940.9	342707.0	349589.8	342707.0	322940.9	291969.4	254477.9	212292.1	168046.4	125432.5
-15°	234604.5	258706.6	273882.0	279073.4	273882.0	258706.6	234604.5	203645.8	168046.4	131678.6	96332.3
-17.5°	178710.7	198439.5	210713.3	214883.6	210713.3	198439.5	178710.7	152703.6	125432.5	96332.3	70762.5
-20°	127207.7	142055.7	151217.8	154316.8	151217.8	142055.7	127207.7	107222.4	87796.4	66737.2	50188.2



REPORT NUMBER: P1306571 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-3S-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	84606.9	94393.5	100397.5	102422.0	100397.5	94393.5	84606.9	71332.1	57931.2	45205.4	34591.3
-25°	53316.1	59127.8	62678.1	63872.5	62678.1	59127.8	53316.1	45387.2	36902.9	31104.0	25087.9
-27.5°	33543.7	36157.2	37748.7	38283.2	37748.7	36157.2	33543.7	29962.3	25494.7	23219.5	20625.7
-30°	23666.6	24681.5	25298.0	25504.8	25298.0	24681.5	23666.6	22270.9	20517.3	18960.1	17363.8
-32.5°	18908.1	19524.5	19898.3	20023.5	19898.3	19524.5	18908.1	18058.0	16986.4	15924.3	14941.3
-35°	15682.5	16058.1	16285.4	16361.5	16285.4	16058.1	15682.5	15163.6	14507.5	13780.2	13146.3
-37.5°	13482.3	13722.3	13867.4	13915.9	13867.4	13722.3	13482.3	13150.1	12729.2	12223.7	11786.2
-40°	11913.2	12075.8	12174.0	12206.9	12174.0	12075.8	11913.2	11687.7	11401.4	11056.9	10700.3
-42.5°	10714.0	10840.5	10916.8	10942.3	10916.8	10840.5	10714.0	10538.4	10315.1	10045.9	9623.7
-45°	9493.7	9702.1	9827.8	9869.8	9827.8	9702.1	9493.7	9204.2	8835.5	8390.2	7854.1
-47.5°	7517.0	7753.5	7896.1	7943.7	7896.1	7753.5	7517.0	7188.0	6768.7	6261.6	5669.7
-50°	5442.7	5507.9	5547.1	5560.2	5547.1	5507.9	5442.7	5352.1	5236.4	5096.3	4932.7
-52.5°	4750.6	4802.4	4833.6	4844.0	4833.6	4802.4	4750.6	4678.4	4586.2	4474.6	4343.9
-55°	4132.6	4181.8	4211.5	4221.4	4211.5	4181.8	4132.6	4063.9	3976.1	3869.7	3745.0
-57.5°	3491.8	3536.8	3563.9	3572.9	3563.9	3536.8	3491.8	3429.1	3348.9	3251.5	3137.4
-60°	2858.9	2894.2	2915.4	2922.5	2915.4	2894.2	2858.9	2809.8	2746.9	2670.4	2580.8
-62.5°	2309.8	2337.8	2354.7	2360.3	2354.7	2337.8	2309.8	2270.7	2220.6	2159.8	2088.4
-65°	1821.6	1845.6	1860.0	1864.8	1860.0	1845.6	1821.6	1788.1	1745.3	1693.1	1631.9
-67.5°	1358.3	1376.8	1388.0	1391.7	1388.0	1376.8	1358.3	1332.4	1299.2	1258.8	1211.4
-70°	954.1	968.3	976.8	979.7	976.8	968.3	954.1	934.3	908.8	877.9	841.5
-72.5°	602.6	612.6	618.7	620.7	618.7	612.6	602.6	588.5	570.5	548.6	522.9
-75°	317.8	323.2	326.4	327.5	326.4	323.2	317.8	310.2	300.5	288.7	274.9
-77.5°	139.1	140.7	141.7	142.0	141.7	140.7	139.1	136.8	133.8	130.3	126.1
-80°	73.4	73.9	74.1	74.2	74.1	73.9	73.4	72.8	72.1	71.1	70.1
-82.5°	51.5	51.8	51.9	52.0	51.9	51.8	51.5	51.1	50.7	50.1	49.4
-85°	33.2	33.3	33.4	33.4	33.4	33.3	33.2	33.0	32.7	32.5	32.1
-87.5°	19.3	19.4	19.5	19.5	19.5	19.4	19.3	19.2	19.0	18.8	18.6
-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: P1306571 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-3S-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°	18.3	18.0	17.7	17.3	16.9	16.4	16.0	15.5	14.9	14.4	13.8
85°	31.7	31.3	30.8	30.3	29.7	29.0	28.4	27.6	26.9	26.1	25.2
82.5°	48.6	47.7	46.7	45.7	44.5	43.2	41.9	40.4	38.9	37.3	35.6
80°	68.8	67.4	65.8	64.1	62.2	60.2	58.0	55.7	53.3	50.9	48.7
77.5°	121.3	115.8	109.8	103.2	96.0	88.2	80.0	73.2	70.1	66.9	63.6
75°	258.9	241.0	221.1	199.3	175.6	150.0	135.0	124.3	113.1	101.3	89.0
72.5°	493.3	460.0	423.1	382.6	338.6	304.6	272.6	238.6	202.7	164.9	135.9
70°	799.8	752.9	700.8	643.7	589.0	534.6	476.5	414.8	349.7	298.2	253.0
67.5°	1157.0	1095.9	1028.1	957.2	887.0	811.6	731.1	645.7	567.5	490.3	409.6
65°	1561.8	1483.0	1395.7	1312.0	1221.8	1124.9	1021.6	920.8	820.2	714.7	607.5
62.5°	2006.6	1914.7	1815.4	1709.3	1594.4	1471.1	1346.4	1225.2	1097.5	965.8	844.3
60°	2478.2	2363.1	2250.5	2128.0	1995.4	1853.8	1709.3	1556.4	1395.7	1248.6	1095.9
57.5°	3006.9	2869.0	2729.3	2576.9	2412.2	2250.5	2085.2	1910.6	1733.3	1550.1	1363.6
55°	3602.6	3442.8	3266.3	3073.9	2873.9	2682.0	2478.2	2274.7	2075.8	1868.1	1661.8
52.5°	4193.7	4020.0	3828.5	3620.1	3395.1	3154.6	2902.7	2670.4	2427.1	2195.5	1963.2
50°	4759.0	4577.8	4378.6	4159.5	3916.8	3658.0	3383.5	3094.5	2809.8	2537.6	2267.9
47.5°	5390.8	5165.1	4917.2	4673.8	4422.8	4152.8	3858.6	3549.6	3226.1	2894.2	2593.3
45°	7124.9	6312.9	5518.9	5229.2	4918.8	4622.4	4320.1	3994.2	3650.1	3292.4	2922.5
42.5°	8986.3	8278.1	7398.6	6362.8	5468.6	5115.8	4757.5	4420.0	4062.5	3683.8	3292.4
40°	10316.7	9891.6	9075.7	8177.7	7048.2	5795.1	5235.5	4825.7	4453.5	4062.5	3650.1
37.5°	11297.8	10785.9	10287.6	9658.4	8635.7	7465.3	6067.7	5275.6	4825.7	4420.0	3994.2
35°	12433.5	11793.5	11163.1	10557.0	9949.9	8867.2	7605.3	6067.7	5235.5	4757.5	4320.1
32.5°	13862.9	13018.1	12131.6	11410.6	10693.4	10016.3	8867.2	7465.3	5795.1	5115.8	4622.4
30°	15841.7	14541.9	13375.9	12336.9	11493.9	10693.4	9949.9	8635.7	7048.2	5468.6	4918.8
27.5°	18502.7	16411.1	14898.7	13496.4	12336.9	11410.6	10557.0	9658.4	8177.7	6362.8	5229.2
25°	21978.5	19083.3	16690.4	14898.7	13375.9	12131.6	11163.1	10287.6	9075.7	7398.6	5518.9
22.5°	26761.4	22435.9	19083.3	16411.1	14541.9	13018.1	11793.5	10785.9	9891.6	8278.1	6312.9
20°	35774.1	26761.4	21978.5	18502.7	15841.7	13862.9	12433.5	11297.8	10316.7	8986.3	7124.9
17.5°	50188.2	34591.3	25087.9	20625.7	17363.8	14941.3	13146.3	11786.2	10700.3	9623.7	7854.1
15°	66737.2	45205.4	31104.0	23219.5	18960.1	15924.3	13780.2	12223.7	11056.9	10045.9	8390.2
12.5°	87796.4	57931.2	36902.9	25494.7	20517.3	16986.4	14507.5	12729.2	11401.4	10315.1	8835.5
10°	107222.4	71332.1	45387.2	29962.3	22270.9	18058.0	15163.6	13150.1	11687.7	10538.4	9204.2
7.5°	127207.7	84606.9	53316.1	33543.7	23666.6	18908.1	15682.5	13482.3	11913.2	10714.0	9493.7
5°	142055.7	94393.5	59127.8	36157.2	24681.5	19524.5	16058.1	13722.3	12075.8	10840.5	9702.1
2.5°	151217.8	100397.5	62678.1	37748.7	25298.0	19898.3	16285.4	13867.4	12174.0	10916.8	9827.8
0°	154316.8	102422.0	63872.5	38283.2	25504.8	20023.5	16361.5	13915.9	12206.9	10942.3	9869.8
-2.5°	151217.8	100397.5	62678.1	37748.7	25298.0	19898.3	16285.4	13867.4	12174.0	10916.8	9827.8
-5°	142055.7	94393.5	59127.8	36157.2	24681.5	19524.5	16058.1	13722.3	12075.8	10840.5	9702.1
-7.5°	127207.7	84606.9	53316.1	33543.7	23666.6	18908.1	15682.5	13482.3	11913.2	10714.0	9493.7
-10°	107222.4	71332.1	45387.2	29962.3	22270.9	18058.0	15163.6	13150.1	11687.7	10538.4	9204.2
-12.5°	87796.4	57931.2	36902.9	25494.7	20517.3	16986.4	14507.5	12729.2	11401.4	10315.1	8835.5
-15°	66737.2	45205.4	31104.0	23219.5	18960.1	15924.3	13780.2	12223.7	11056.9	10045.9	8390.2
-17.5°	50188.2	34591.3	25087.9	20625.7	17363.8	14941.3	13146.3	11786.2	10700.3	9623.7	7854.1
-20°	35774.1	26761.4	21978.5	18502.7	15841.7	13862.9	12433.5	11297.8	10316.7	8986.3	7124.9



REPORT NUMBER: P1306571 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-3S-A

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	26761.4	22435.9	19083.3	16411.1	14541.9	13018.1	11793.5	10785.9	9891.6	8278.1	6312.9
-25°	21978.5	19083.3	16690.4	14898.7	13375.9	12131.6	11163.1	10287.6	9075.7	7398.6	5518.9
-27.5°	18502.7	16411.1	14898.7	13496.4	12336.9	11410.6	10557.0	9658.4	8177.7	6362.8	5229.2
-30°	15841.7	14541.9	13375.9	12336.9	11493.9	10693.4	9949.9	8635.7	7048.2	5468.6	4918.8
-32.5°	13862.9	13018.1	12131.6	11410.6	10693.4	10016.3	8867.2	7465.3	5795.1	5115.8	4622.4
-35°	12433.5	11793.5	11163.1	10557.0	9949.9	8867.2	7605.3	6067.7	5235.5	4757.5	4320.1
-37.5°	11297.8	10785.9	10287.6	9658.4	8635.7	7465.3	6067.7	5275.6	4825.7	4420.0	3994.2
-40°	10316.7	9891.6	9075.7	8177.7	7048.2	5795.1	5235.5	4825.7	4453.5	4062.5	3650.1
-42.5°	8986.3	8278.1	7398.6	6362.8	5468.6	5115.8	4757.5	4420.0	4062.5	3683.8	3292.4
-45°	7124.9	6312.9	5518.9	5229.2	4918.8	4622.4	4320.1	3994.2	3650.1	3292.4	2922.5
-47.5°	5390.8	5165.1	4917.2	4673.8	4422.8	4152.8	3858.6	3549.6	3226.1	2894.2	2593.3
-50°	4759.0	4577.8	4378.6	4159.5	3916.8	3658.0	3383.5	3094.5	2809.8	2537.6	2267.9
-52.5°	4193.7	4020.0	3828.5	3620.1	3395.1	3154.6	2902.7	2670.4	2427.1	2195.5	1963.2
-55°	3602.6	3442.8	3266.3	3073.9	2873.9	2682.0	2478.2	2274.7	2075.8	1868.1	1661.8
-57.5°	3006.9	2869.0	2729.3	2576.9	2412.2	2250.5	2085.2	1910.6	1733.3	1550.1	1363.6
-60°	2478.2	2363.1	2250.5	2128.0	1995.4	1853.8	1709.3	1556.4	1395.7	1248.6	1095.9
-62.5°	2006.6	1914.7	1815.4	1709.3	1594.4	1471.1	1346.4	1225.2	1097.5	965.8	844.3
-65°	1561.8	1483.0	1395.7	1312.0	1221.8	1124.9	1021.6	920.8	820.2	714.7	607.5
-67.5°	1157.0	1095.9	1028.1	957.2	887.0	811.6	731.1	645.7	567.5	490.3	409.6
-70°	799.8	752.9	700.8	643.7	589.0	534.6	476.5	414.8	349.7	298.2	253.0
-72.5°	493.3	460.0	423.1	382.6	338.6	304.6	272.6	238.6	202.7	164.9	135.9
-75°	258.9	241.0	221.1	199.3	175.6	150.0	135.0	124.3	113.1	101.3	89.0
-77.5°	121.3	115.8	109.8	103.2	96.0	88.2	80.0	73.2	70.1	66.9	63.6
-80°	68.8	67.4	65.8	64.1	62.2	60.2	58.0	55.7	53.3	50.9	48.7
-82.5°	48.6	47.7	46.7	45.7	44.5	43.2	41.9	40.4	38.9	37.3	35.6
-85°	31.7	31.3	30.8	30.3	29.7	29.0	28.4	27.6	26.9	26.1	25.2
-87.5°	18.3	18.0	17.7	17.3	16.9	16.4	16.0	15.5	14.9	14.4	13.8
-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: P1306571 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-3S-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°	13.2	12.5	11.9	11.2	10.5	9.7	9.0	8.2	7.5	6.7	5.9
85°	24.4	23.5	22.5	21.5	20.5	19.5	18.0	16.5	14.9	13.3	11.7
82.5°	33.8	32.4	30.9	29.5	28.0	26.4	24.8	23.2	21.5	19.8	17.5
80°	46.3	43.9	41.3	38.7	36.0	33.3	31.2	29.0	26.8	24.5	22.2
77.5°	60.1	56.4	52.6	49.3	45.9	42.4	38.9	35.2	32.0	29.2	26.3
75°	76.1	70.4	65.9	61.2	56.4	51.5	47.3	42.9	38.5	34.0	30.4
72.5°	120.9	105.2	89.1	73.6	68.0	62.2	56.3	50.5	45.4	40.1	34.8
70°	205.8	156.8	128.9	109.8	90.2	72.8	66.1	59.2	52.2	46.2	40.1
67.5°	326.3	271.1	214.1	155.3	124.8	102.2	79.0	68.0	60.2	52.2	45.4
65°	513.9	416.9	320.7	255.4	188.4	133.8	108.2	82.0	68.0	59.2	50.5
62.5°	717.9	593.2	483.0	369.5	280.4	205.0	136.9	108.2	79.0	66.1	56.3
60°	942.7	799.8	652.4	522.9	396.0	288.7	205.0	133.8	102.2	72.8	62.2
57.5°	1191.3	1013.4	849.3	685.3	536.2	396.0	280.4	188.4	124.8	90.2	68.0
55°	1448.3	1249.1	1051.7	865.9	685.3	522.9	369.5	255.4	155.3	109.8	73.6
52.5°	1729.5	1493.1	1268.4	1051.7	849.3	652.4	483.0	320.7	214.1	128.9	89.1
50°	2011.1	1752.1	1493.1	1249.1	1013.4	799.8	593.2	416.9	271.1	156.8	105.2
47.5°	2292.2	2011.1	1729.5	1448.3	1191.3	942.7	717.9	513.9	326.3	205.8	120.9
45°	2593.3	2267.9	1963.2	1661.8	1363.6	1095.9	844.3	607.5	409.6	253.0	135.9
42.5°	2894.2	2537.6	2195.5	1868.1	1550.1	1248.6	965.8	714.7	490.3	298.2	164.9
40°	3226.1	2809.8	2427.1	2075.8	1733.3	1395.7	1097.5	820.2	567.5	349.7	202.7
37.5°	3549.6	3094.5	2670.4	2274.7	1910.6	1556.4	1225.2	920.8	645.7	414.8	238.6
35°	3858.6	3383.5	2902.7	2478.2	2085.2	1709.3	1346.4	1021.6	731.1	476.5	272.6
32.5°	4152.8	3658.0	3154.6	2682.0	2250.5	1853.8	1471.1	1124.9	811.6	534.6	304.6
30°	4422.8	3916.8	3395.1	2873.9	2412.2	1995.4	1594.4	1221.8	887.0	589.0	338.6
27.5°	4673.8	4159.5	3620.1	3073.9	2576.9	2128.0	1709.3	1312.0	957.2	643.7	382.6
25°	4917.2	4378.6	3828.5	3266.3	2729.3	2250.5	1815.4	1395.7	1028.1	700.8	423.1
22.5°	5165.1	4577.8	4020.0	3442.8	2869.0	2363.1	1914.7	1483.0	1095.9	752.9	460.0
20°	5390.8	4759.0	4193.7	3602.6	3006.9	2478.2	2006.6	1561.8	1157.0	799.8	493.3
17.5°	5669.7	4932.7	4343.9	3745.0	3137.4	2580.8	2088.4	1631.9	1211.4	841.5	522.9
15°	6261.6	5096.3	4474.6	3869.7	3251.5	2670.4	2159.8	1693.1	1258.8	877.9	548.6
12.5°	6768.7	5236.4	4586.2	3976.1	3348.9	2746.9	2220.6	1745.3	1299.2	908.8	570.5
10°	7188.0	5352.1	4678.4	4063.9	3429.1	2809.8	2270.7	1788.1	1332.4	934.3	588.5
7.5°	7517.0	5442.7	4750.6	4132.6	3491.8	2858.9	2309.8	1821.6	1358.3	954.1	602.6
5°	7753.5	5507.9	4802.4	4181.8	3536.8	2894.2	2337.8	1845.6	1376.8	968.3	612.6
2.5°	7896.1	5547.1	4833.6	4211.5	3563.9	2915.4	2354.7	1860.0	1388.0	976.8	618.7
0°	7943.7	5560.2	4844.0	4221.4	3572.9	2922.5	2360.3	1864.8	1391.7	979.7	620.7
-2.5°	7896.1	5547.1	4833.6	4211.5	3563.9	2915.4	2354.7	1860.0	1388.0	976.8	618.7
-5°	7753.5	5507.9	4802.4	4181.8	3536.8	2894.2	2337.8	1845.6	1376.8	968.3	612.6
-7.5°	7517.0	5442.7	4750.6	4132.6	3491.8	2858.9	2309.8	1821.6	1358.3	954.1	602.6
-10°	7188.0	5352.1	4678.4	4063.9	3429.1	2809.8	2270.7	1788.1	1332.4	934.3	588.5
-12.5°	6768.7	5236.4	4586.2	3976.1	3348.9	2746.9	2220.6	1745.3	1299.2	908.8	570.5
-15°	6261.6	5096.3	4474.6	3869.7	3251.5	2670.4	2159.8	1693.1	1258.8	877.9	548.6
-17.5°	5669.7	4932.7	4343.9	3745.0	3137.4	2580.8	2088.4	1631.9	1211.4	841.5	522.9
-20°	5390.8	4759.0	4193.7	3602.6	3006.9	2478.2	2006.6	1561.8	1157.0	799.8	493.3



REPORT NUMBER: P1306571 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-3S-A

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5165.1	4577.8	4020.0	3442.8	2869.0	2363.1	1914.7	1483.0	1095.9	752.9	460.0
-25°	4917.2	4378.6	3828.5	3266.3	2729.3	2250.5	1815.4	1395.7	1028.1	700.8	423.1
-27.5°	4673.8	4159.5	3620.1	3073.9	2576.9	2128.0	1709.3	1312.0	957.2	643.7	382.6
-30°	4422.8	3916.8	3395.1	2873.9	2412.2	1995.4	1594.4	1221.8	887.0	589.0	338.6
-32.5°	4152.8	3658.0	3154.6	2682.0	2250.5	1853.8	1471.1	1124.9	811.6	534.6	304.6
-35°	3858.6	3383.5	2902.7	2478.2	2085.2	1709.3	1346.4	1021.6	731.1	476.5	272.6
-37.5°	3549.6	3094.5	2670.4	2274.7	1910.6	1556.4	1225.2	920.8	645.7	414.8	238.6
-40°	3226.1	2809.8	2427.1	2075.8	1733.3	1395.7	1097.5	820.2	567.5	349.7	202.7
-42.5°	2894.2	2537.6	2195.5	1868.1	1550.1	1248.6	965.8	714.7	490.3	298.2	164.9
-45°	2593.3	2267.9	1963.2	1661.8	1363.6	1095.9	844.3	607.5	409.6	253.0	135.9
-47.5°	2292.2	2011.1	1729.5	1448.3	1191.3	942.7	717.9	513.9	326.3	205.8	120.9
-50°	2011.1	1752.1	1493.1	1249.1	1013.4	799.8	593.2	416.9	271.1	156.8	105.2
-52.5°	1729.5	1493.1	1268.4	1051.7	849.3	652.4	483.0	320.7	214.1	128.9	89.1
-55°	1448.3	1249.1	1051.7	865.9	685.3	522.9	369.5	255.4	155.3	109.8	73.6
-57.5°	1191.3	1013.4	849.3	685.3	536.2	396.0	280.4	188.4	124.8	90.2	68.0
-60°	942.7	799.8	652.4	522.9	396.0	288.7	205.0	133.8	102.2	72.8	62.2
-62.5°	717.9	593.2	483.0	369.5	280.4	205.0	136.9	108.2	79.0	66.1	56.3
-65°	513.9	416.9	320.7	255.4	188.4	133.8	108.2	82.0	68.0	59.2	50.5
-67.5°	326.3	271.1	214.1	155.3	124.8	102.2	79.0	68.0	60.2	52.2	45.4
-70°	205.8	156.8	128.9	109.8	90.2	72.8	66.1	59.2	52.2	46.2	40.1
-72.5°	120.9	105.2	89.1	73.6	68.0	62.2	56.3	50.5	45.4	40.1	34.8
-75°	76.1	70.4	65.9	61.2	56.4	51.5	47.3	42.9	38.5	34.0	30.4
-77.5°	60.1	56.4	52.6	49.3	45.9	42.4	38.9	35.2	32.0	29.2	26.3
-80°	46.3	43.9	41.3	38.7	36.0	33.3	31.2	29.0	26.8	24.5	22.2
-82.5°	33.8	32.4	30.9	29.5	28.0	26.4	24.8	23.2	21.5	19.8	17.5
-85°	24.4	23.5	22.5	21.5	20.5	19.5	18.0	16.5	14.9	13.3	11.7
-87.5°	13.2	12.5	11.9	11.2	10.5	9.7	9.0	8.2	7.5	6.7	5.9
-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: P1306571 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-3S-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°	5.0	4.2	3.4	2.5	1.7	0.9	0.0
85°	10.1	8.4	6.8	5.1	3.4	1.7	0.0
82.5°	15.1	12.6	10.1	7.6	5.1	2.5	0.0
80°	19.9	16.8	13.5	10.1	6.8	3.4	0.0
77.5°	23.5	20.5	16.8	12.6	8.4	4.2	0.0
75°	27.0	23.5	19.9	15.1	10.1	5.0	0.0
72.5°	30.4	26.3	22.2	17.5	11.7	5.9	0.0
70°	34.0	29.2	24.5	19.8	13.3	6.7	0.0
67.5°	38.5	32.0	26.8	21.5	14.9	7.5	0.0
65°	42.9	35.2	29.0	23.2	16.5	8.2	0.0
62.5°	47.3	38.9	31.2	24.8	18.0	9.0	0.0
60°	51.5	42.4	33.3	26.4	19.5	9.7	0.0
57.5°	56.4	45.9	36.0	28.0	20.5	10.5	0.0
55°	61.2	49.3	38.7	29.5	21.5	11.2	0.0
52.5°	65.9	52.6	41.3	30.9	22.5	11.9	0.0
50°	70.4	56.4	43.9	32.4	23.5	12.5	0.0
47.5°	76.1	60.1	46.3	33.8	24.4	13.2	0.0
45°	89.0	63.6	48.7	35.6	25.2	13.8	0.0
42.5°	101.3	66.9	50.9	37.3	26.1	14.4	0.0
40°	113.1	70.1	53.3	38.9	26.9	14.9	0.0
37.5°	124.3	73.2	55.7	40.4	27.6	15.5	0.0
35°	135.0	80.0	58.0	41.9	28.4	16.0	0.0
32.5°	150.0	88.2	60.2	43.2	29.0	16.4	0.0
30°	175.6	96.0	62.2	44.5	29.7	16.9	0.0
27.5°	199.3	103.2	64.1	45.7	30.3	17.3	0.0
25°	221.1	109.8	65.8	46.7	30.8	17.7	0.0
22.5°	241.0	115.8	67.4	47.7	31.3	18.0	0.0
20°	258.9	121.3	68.8	48.6	31.7	18.3	0.0
17.5°	274.9	126.1	70.1	49.4	32.1	18.6	0.0
15°	288.7	130.3	71.1	50.1	32.5	18.8	0.0
12.5°	300.5	133.8	72.1	50.7	32.7	19.0	0.0
10°	310.2	136.8	72.8	51.1	33.0	19.2	0.0
7.5°	317.8	139.1	73.4	51.5	33.2	19.3	0.0
5°	323.2	140.7	73.9	51.8	33.3	19.4	0.0
2.5°	326.4	141.7	74.1	51.9	33.4	19.5	0.0
0°	327.5	142.0	74.2	52.0	33.4	19.5	0.0
-2.5°	326.4	141.7	74.1	51.9	33.4	19.5	0.0
-5°	323.2	140.7	73.9	51.8	33.3	19.4	0.0
-7.5°	317.8	139.1	73.4	51.5	33.2	19.3	0.0
-10°	310.2	136.8	72.8	51.1	33.0	19.2	0.0
-12.5°	300.5	133.8	72.1	50.7	32.7	19.0	0.0
-15°	288.7	130.3	71.1	50.1	32.5	18.8	0.0
-17.5°	274.9	126.1	70.1	49.4	32.1	18.6	0.0
-20°	258.9	121.3	68.8	48.6	31.7	18.3	0.0



REPORT NUMBER: P1306571 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-57-80-3S-A

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	241.0	115.8	67.4	47.7	31.3	18.0	0.0
-25°	221.1	109.8	65.8	46.7	30.8	17.7	0.0
-27.5°	199.3	103.2	64.1	45.7	30.3	17.3	0.0
-30°	175.6	96.0	62.2	44.5	29.7	16.9	0.0
-32.5°	150.0	88.2	60.2	43.2	29.0	16.4	0.0
-35°	135.0	80.0	58.0	41.9	28.4	16.0	0.0
-37.5°	124.3	73.2	55.7	40.4	27.6	15.5	0.0
-40°	113.1	70.1	53.3	38.9	26.9	14.9	0.0
-42.5°	101.3	66.9	50.9	37.3	26.1	14.4	0.0
-45°	89.0	63.6	48.7	35.6	25.2	13.8	0.0
-47.5°	76.1	60.1	46.3	33.8	24.4	13.2	0.0
-50°	70.4	56.4	43.9	32.4	23.5	12.5	0.0
-52.5°	65.9	52.6	41.3	30.9	22.5	11.9	0.0
-55°	61.2	49.3	38.7	29.5	21.5	11.2	0.0
-57.5°	56.4	45.9	36.0	28.0	20.5	10.5	0.0
-60°	51.5	42.4	33.3	26.4	19.5	9.7	0.0
-62.5°	47.3	38.9	31.2	24.8	18.0	9.0	0.0
-65°	42.9	35.2	29.0	23.2	16.5	8.2	0.0
-67.5°	38.5	32.0	26.8	21.5	14.9	7.5	0.0
-70°	34.0	29.2	24.5	19.8	13.3	6.7	0.0
-72.5°	30.4	26.3	22.2	17.5	11.7	5.9	0.0
-75°	27.0	23.5	19.9	15.1	10.1	5.0	0.0
-77.5°	23.5	20.5	16.8	12.6	8.4	4.2	0.0
-80°	19.9	16.8	13.5	10.1	6.8	3.4	0.0
-82.5°	15.1	12.6	10.1	7.6	5.1	2.5	0.0
-85°	10.1	8.4	6.8	5.1	3.4	1.7	0.0
-87.5°	5.0	4.2	3.4	2.5	1.7	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)