

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: P1306506 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200R-40-70-3S-A**

Issue Date: 2/3/2026

**Test Information**

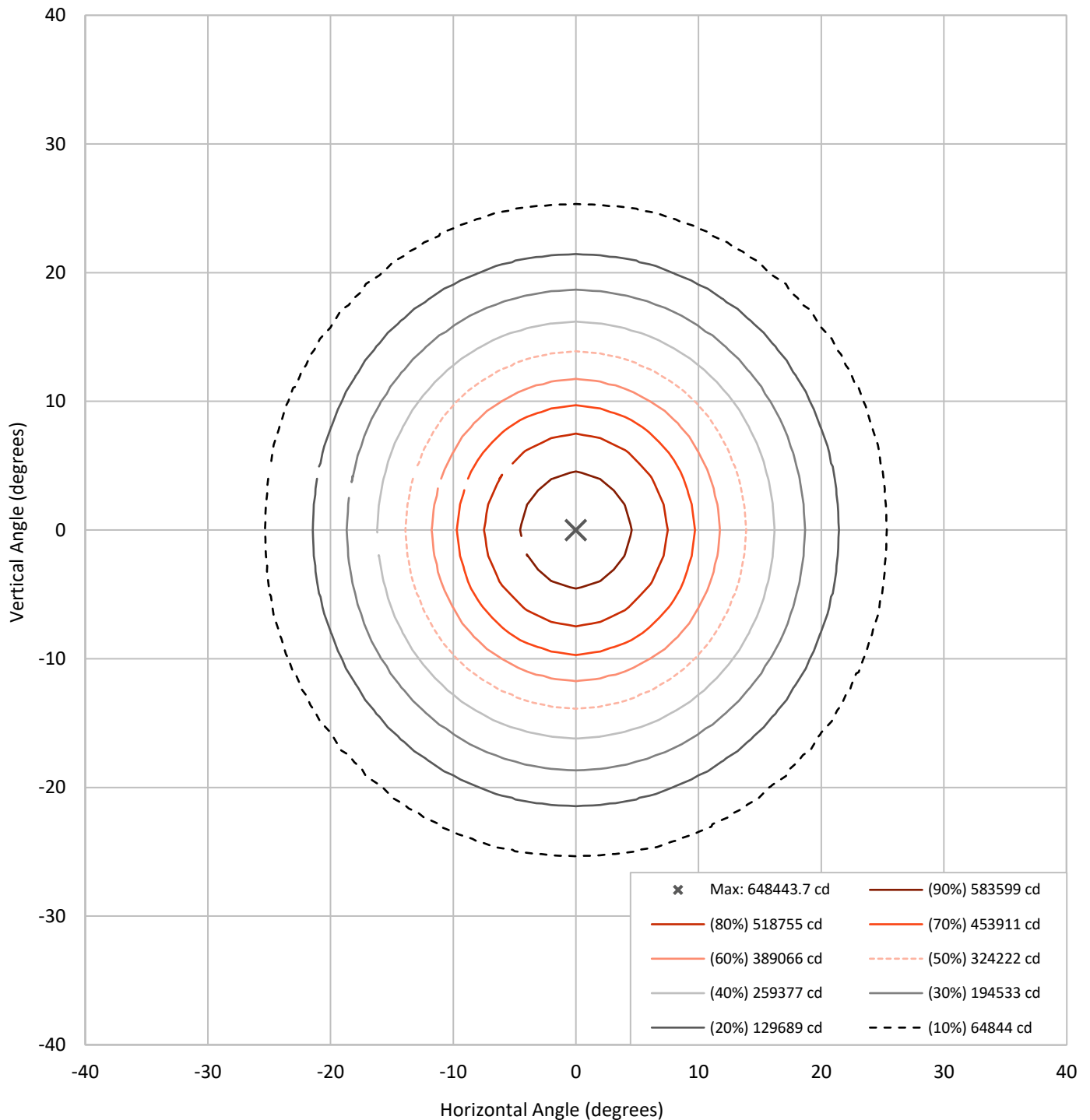
Test Method: LM-79-08  
Report Number: P1306506 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-11)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS16-1200R-40-70-3S-A  
Description: EPHEBUS LUMASPORT 16 LUMINAIRE  
(16) 4000K, 70 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:	189161.1 lumens	Max Intensity:	648443.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	154.7 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:	83155.7 lumens	Field Lumens:	154718.3 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





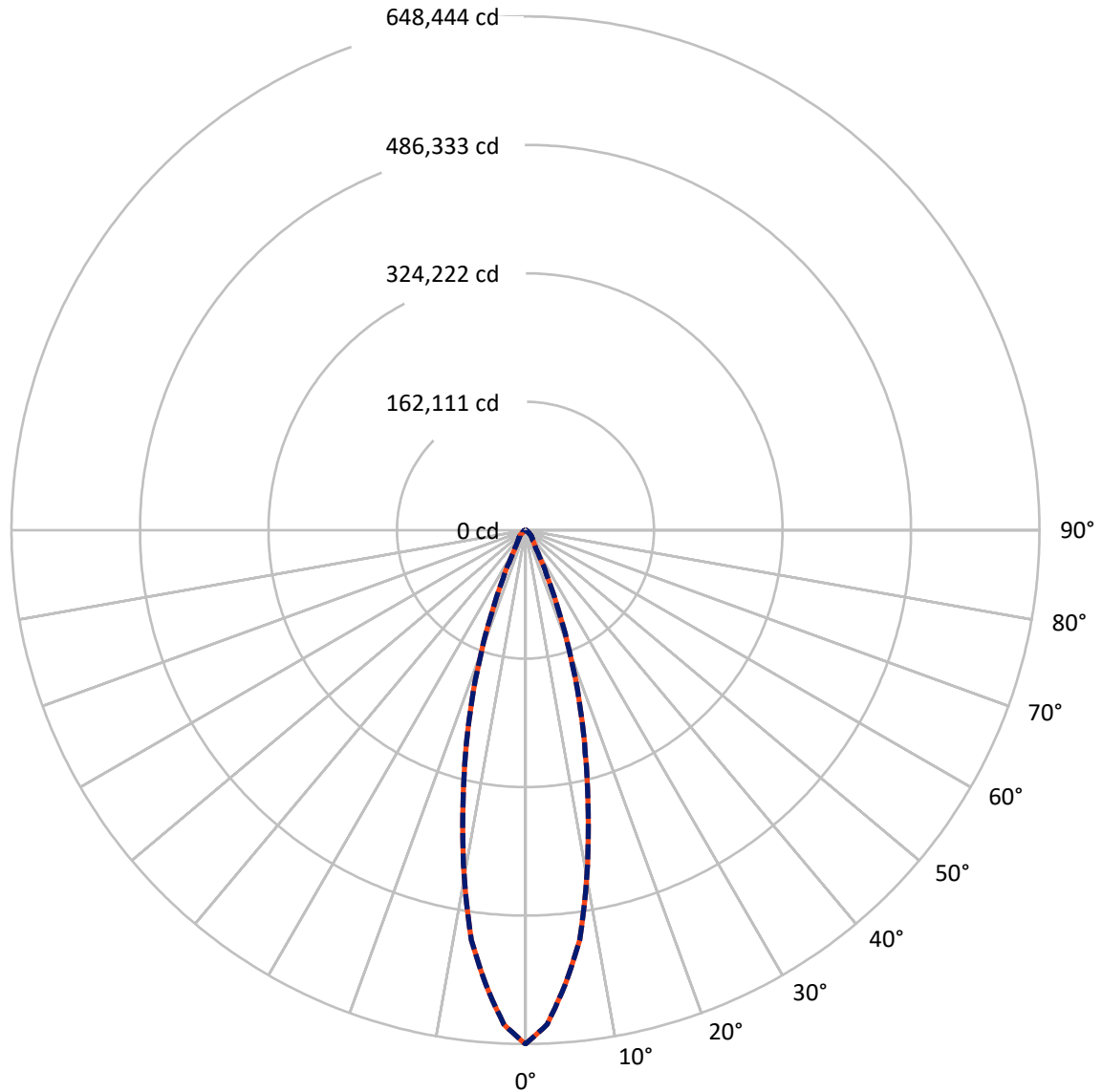
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### Lumen Table

90	0.4		2.4		8.8		21.2		27.4		21.2		8.8		2.4		0.4
80	0.4		2.4		8.8		21.2		27.4		21.2		8.8		2.4		0.4
70	1.1	1.3	5.3	14.4	27.4	41.1	52.7	59.1	59.1	52.7	41.1	27.4	14.4	5.3	1.3	1.1	
60		4.0	16.3	37.8	65.3	94.4	118.4	131.9	131.9	118.4	94.4	65.3	37.8	16.3	4.0		
50	2.9	8.9	30.8	66.7	113.0	178.0	250.0	292.0	292.0	250.0	178.0	113.0	66.7	30.8	8.9	2.9	
40		14.5	46.2	97.8	196.9	323.0	437.9	531.5	531.5	437.9	323.0	196.9	97.8	46.2	14.5		
30	6.1	19.8	60.4	140.0	292.5	506.9	1122.2	2102.2	2102.2	1122.2	506.9	292.5	140.0	60.4	19.8	6.1	
20		23.7	71.2	184.9	372.9	1058.7	4137.6	8067.0	8067.0	4137.6	1058.7	372.9	184.9	71.2	23.7		
10	7.6	25.8	76.9	209.2	440.0	1932.3	7846.0	15283.4	15283.4	7846.0	1932.3	440.0	209.2	76.9	25.8	7.6	
0		25.8	76.9	209.2	440.0	1932.3	7846.0	15283.4	15283.4	7846.0	1932.3	440.0	209.2	76.9	25.8		
-10	6.1	23.7	71.2	184.9	372.9	1058.7	4137.6	8067.0	8067.0	4137.6	1058.7	372.9	184.9	71.2	23.7	6.1	
-20		19.8	60.4	140.0	292.5	506.9	1122.2	2102.2	2102.2	1122.2	506.9	292.5	140.0	60.4	19.8		
-30	2.9	14.5	46.2	97.8	196.9	323.0	437.9	531.5	531.5	437.9	323.0	196.9	97.8	46.2	14.5	2.9	
-40		8.9	30.8	66.7	113.0	178.0	250.0	292.0	292.0	250.0	178.0	113.0	66.7	30.8	8.9		
-50	1.1	4.0	16.3	37.8	65.3	94.4	118.4	131.9	131.9	118.4	94.4	65.3	37.8	16.3	4.0	1.1	
-60		1.3	5.3	14.4	27.4	41.1	52.7	59.1	59.1	52.7	41.1	27.4	14.4	5.3	1.3		
-70	0.4		2.4		8.8		21.2		27.4		21.2		8.8		2.4		0.4
-80	0.4		2.4		8.8		21.2		27.4		21.2		8.8		2.4		0.4
-90	0.4		2.4		8.8		21.2		27.4		21.2		8.8		2.4		0.4

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CATALOG NUMBER: EPH-LS16-1200R-40-70-3S-A

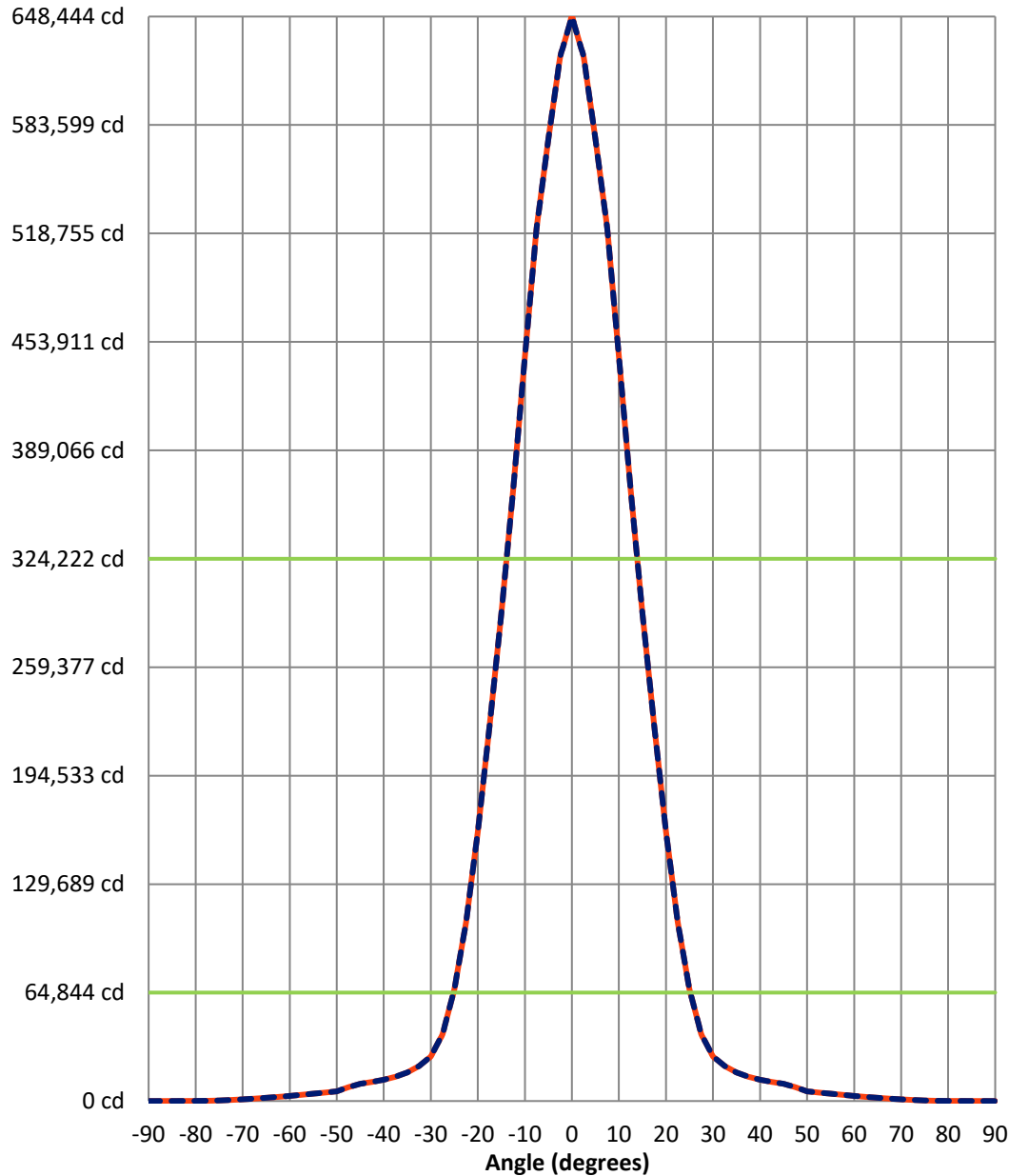
### Luminous Intensity Polar Plot



— 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: 83155.7  
 Efficiency: 44.0%

**Field:**  
 H Angle: 50.4°  
 V Angle: 50.4°  
 Lumens: 154718.3  
 Efficiency: 81.8%

**Spill:**  
 Lumens: 34442.7  
 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	1.8	2.7	3.5	4.4	5.3	6.1	7.0	7.8	8.6
85°	0.0	1.8	3.6	5.3	7.1	8.8	10.5	12.3	13.9	15.6	17.2
82.5°	0.0	2.7	5.3	8.0	10.6	13.2	15.8	18.4	20.7	22.5	24.2
80°	0.0	3.5	7.1	10.6	14.1	17.6	20.8	23.3	25.6	28.0	30.3
77.5°	0.0	4.4	8.8	13.2	17.6	21.5	24.5	27.5	30.5	33.5	36.8
75°	0.0	5.3	10.5	15.8	20.8	24.5	28.2	31.8	35.5	40.2	44.8
72.5°	0.0	6.1	12.3	18.4	23.3	27.5	31.8	36.4	41.9	47.4	52.8
70°	0.0	7.0	13.9	20.7	25.6	30.5	35.5	41.9	48.2	54.5	61.8
67.5°	0.0	7.8	15.6	22.5	28.0	33.5	40.2	47.4	54.5	62.8	71.1
65°	0.0	8.6	17.2	24.2	30.3	36.8	44.8	52.8	61.8	71.1	85.7
62.5°	0.0	9.4	18.8	25.9	32.6	40.6	49.4	58.8	69.0	82.5	113.0
60°	0.0	10.2	20.4	27.6	34.8	44.3	53.8	64.9	76.1	106.7	139.8
57.5°	0.0	11.0	21.5	29.2	37.6	47.9	58.9	71.0	94.2	130.3	196.7
55°	0.0	11.7	22.5	30.8	40.5	51.4	63.9	76.9	114.7	162.2	266.8
52.5°	0.0	12.4	23.5	32.3	43.2	55.0	68.8	93.0	134.6	223.6	335.0
50°	0.0	13.1	24.5	33.8	45.8	58.9	73.6	109.9	163.8	283.2	435.5
47.5°	0.0	13.8	25.5	35.4	48.4	62.7	79.5	126.3	215.0	340.8	536.9
45°	0.0	14.4	26.4	37.2	50.8	66.4	92.9	142.0	264.2	427.8	634.6
42.5°	0.0	15.0	27.3	39.0	53.2	69.9	105.8	172.3	311.5	512.2	746.6
40°	0.0	15.6	28.1	40.6	55.6	73.3	118.2	211.7	365.2	592.9	856.8
37.5°	0.0	16.2	28.9	42.2	58.2	76.5	129.9	249.2	433.3	674.5	961.9
35°	0.0	16.7	29.6	43.7	60.6	83.5	140.9	284.7	497.7	763.7	1067.2
32.5°	0.0	17.2	30.3	45.1	62.9	92.2	156.7	318.2	558.4	847.8	1175.1
30°	0.0	17.7	31.0	46.5	65.0	100.3	183.4	353.7	615.2	926.6	1276.3
27.5°	0.0	18.1	31.6	47.7	66.9	107.8	208.2	399.7	672.5	999.9	1370.5
25°	0.0	18.5	32.2	48.8	68.7	114.7	231.0	442.0	732.1	1073.9	1458.0
22.5°	0.0	18.8	32.7	49.8	70.4	121.0	251.7	480.5	786.4	1144.7	1549.2
20°	0.0	19.2	33.1	50.8	71.9	126.6	270.5	515.3	835.5	1208.6	1631.5
17.5°	0.0	19.5	33.6	51.6	73.2	131.7	287.1	546.2	879.1	1265.4	1704.8
15°	0.0	19.7	33.9	52.3	74.3	136.1	301.6	573.1	917.0	1315.0	1768.7
12.5°	0.0	19.9	34.2	52.9	75.3	139.8	313.9	596.0	949.4	1357.1	1823.1
10°	0.0	20.1	34.5	53.4	76.1	142.8	324.0	614.8	975.9	1391.8	1867.9
7.5°	0.0	20.2	34.7	53.8	76.7	145.2	331.9	629.5	996.7	1418.9	1902.9
5°	0.0	20.3	34.8	54.1	77.1	146.9	337.6	640.0	1011.5	1438.3	1927.9
2.5°	0.0	20.4	34.9	54.2	77.4	148.0	341.0	646.3	1020.4	1449.9	1943.0
0°	0.0	20.4	34.9	54.3	77.5	148.3	342.1	648.4	1023.4	1453.8	1948.0
-2.5°	0.0	20.4	34.9	54.2	77.4	148.0	341.0	646.3	1020.4	1449.9	1943.0
-5°	0.0	20.3	34.8	54.1	77.1	146.9	337.6	640.0	1011.5	1438.3	1927.9
-7.5°	0.0	20.2	34.7	53.8	76.7	145.2	331.9	629.5	996.7	1418.9	1902.9
-10°	0.0	20.1	34.5	53.4	76.1	142.8	324.0	614.8	975.9	1391.8	1867.9
-12.5°	0.0	19.9	34.2	52.9	75.3	139.8	313.9	596.0	949.4	1357.1	1823.1
-15°	0.0	19.7	33.9	52.3	74.3	136.1	301.6	573.1	917.0	1315.0	1768.7
-17.5°	0.0	19.5	33.6	51.6	73.2	131.7	287.1	546.2	879.1	1265.4	1704.8
-20°	0.0	19.2	33.1	50.8	71.9	126.6	270.5	515.3	835.5	1208.6	1631.5



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 CATALOG NUMBER: EPH-LS16-1200R-40-70-3S-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	18.8	32.7	49.8	70.4	121.0	251.7	480.5	786.4	1144.7	1549.2
-25°	0.0	18.5	32.2	48.8	68.7	114.7	231.0	442.0	732.1	1073.9	1458.0
-27.5°	0.0	18.1	31.6	47.7	66.9	107.8	208.2	399.7	672.5	999.9	1370.5
-30°	0.0	17.7	31.0	46.5	65.0	100.3	183.4	353.7	615.2	926.6	1276.3
-32.5°	0.0	17.2	30.3	45.1	62.9	92.2	156.7	318.2	558.4	847.8	1175.1
-35°	0.0	16.7	29.6	43.7	60.6	83.5	140.9	284.7	497.7	763.7	1067.2
-37.5°	0.0	16.2	28.9	42.2	58.2	76.5	129.9	249.2	433.3	674.5	961.9
-40°	0.0	15.6	28.1	40.6	55.6	73.3	118.2	211.7	365.2	592.9	856.8
-42.5°	0.0	15.0	27.3	39.0	53.2	69.9	105.8	172.3	311.5	512.2	746.6
-45°	0.0	14.4	26.4	37.2	50.8	66.4	92.9	142.0	264.2	427.8	634.6
-47.5°	0.0	13.8	25.5	35.4	48.4	62.7	79.5	126.3	215.0	340.8	536.9
-50°	0.0	13.1	24.5	33.8	45.8	58.9	73.6	109.9	163.8	283.2	435.5
-52.5°	0.0	12.4	23.5	32.3	43.2	55.0	68.8	93.0	134.6	223.6	335.0
-55°	0.0	11.7	22.5	30.8	40.5	51.4	63.9	76.9	114.7	162.2	266.8
-57.5°	0.0	11.0	21.5	29.2	37.6	47.9	58.9	71.0	94.2	130.3	196.7
-60°	0.0	10.2	20.4	27.6	34.8	44.3	53.8	64.9	76.1	106.7	139.8
-62.5°	0.0	9.4	18.8	25.9	32.6	40.6	49.4	58.8	69.0	82.5	113.0
-65°	0.0	8.6	17.2	24.2	30.3	36.8	44.8	52.8	61.8	71.1	85.7
-67.5°	0.0	7.8	15.6	22.5	28.0	33.5	40.2	47.4	54.5	62.8	71.1
-70°	0.0	7.0	13.9	20.7	25.6	30.5	35.5	41.9	48.2	54.5	61.8
-72.5°	0.0	6.1	12.3	18.4	23.3	27.5	31.8	36.4	41.9	47.4	52.8
-75°	0.0	5.3	10.5	15.8	20.8	24.5	28.2	31.8	35.5	40.2	44.8
-77.5°	0.0	4.4	8.8	13.2	17.6	21.5	24.5	27.5	30.5	33.5	36.8
-80°	0.0	3.5	7.1	10.6	14.1	17.6	20.8	23.3	25.6	28.0	30.3
-82.5°	0.0	2.7	5.3	8.0	10.6	13.2	15.8	18.4	20.7	22.5	24.2
-85°	0.0	1.8	3.6	5.3	7.1	8.8	10.5	12.3	13.9	15.6	17.2
-87.5°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.1	7.0	7.8	8.6
-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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**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°	9.4	10.2	11.0	11.7	12.4	13.1	13.8	14.4	15.0	15.6	16.2
85°	18.8	20.4	21.5	22.5	23.5	24.5	25.5	26.4	27.3	28.1	28.9
82.5°	25.9	27.6	29.2	30.8	32.3	33.8	35.4	37.2	39.0	40.6	42.2
80°	32.6	34.8	37.6	40.5	43.2	45.8	48.4	50.8	53.2	55.6	58.2
77.5°	40.6	44.3	47.9	51.4	55.0	58.9	62.7	66.4	69.9	73.3	76.5
75°	49.4	53.8	58.9	63.9	68.8	73.6	79.5	92.9	105.8	118.2	129.9
72.5°	58.8	64.9	71.0	76.9	93.0	109.9	126.3	142.0	172.3	211.7	249.2
70°	69.0	76.1	94.2	114.7	134.6	163.8	215.0	264.2	311.5	365.2	433.3
67.5°	82.5	106.7	130.3	162.2	223.6	283.2	340.8	427.8	512.2	592.9	674.5
65°	113.0	139.8	196.7	266.8	335.0	435.5	536.9	634.6	746.6	856.8	961.9
62.5°	142.9	214.1	292.9	386.0	504.5	619.7	749.9	881.9	1008.9	1146.5	1279.8
60°	214.1	301.6	413.6	546.2	681.5	835.5	984.8	1144.7	1304.3	1458.0	1625.9
57.5°	292.9	413.6	560.1	715.9	887.2	1058.6	1244.5	1424.4	1619.3	1810.6	1995.8
55°	386.0	546.2	715.9	904.5	1098.6	1304.8	1512.9	1736.0	1951.5	2168.4	2376.2
52.5°	504.5	681.5	887.2	1098.6	1325.0	1559.7	1806.6	2050.8	2293.4	2535.3	2789.6
50°	619.7	835.5	1058.6	1304.8	1559.7	1830.3	2100.9	2369.1	2650.9	2935.1	3232.5
47.5°	749.9	984.8	1244.5	1512.9	1806.6	2100.9	2394.5	2709.0	3023.3	3370.0	3708.0
45°	881.9	1144.7	1424.4	1736.0	2050.8	2369.1	2709.0	3052.9	3439.3	3813.0	4172.3
42.5°	1008.9	1304.3	1619.3	1951.5	2293.4	2650.9	3023.3	3439.3	3848.1	4243.7	4617.1
40°	1146.5	1458.0	1810.6	2168.4	2535.3	2935.1	3370.0	3813.0	4243.7	4652.1	5040.9
37.5°	1279.8	1625.9	1995.8	2376.2	2789.6	3232.5	3708.0	4172.3	4617.1	5040.9	5510.9
35°	1406.4	1785.5	2178.3	2588.8	3032.2	3534.5	4030.7	4512.8	4969.7	5468.9	6338.4
32.5°	1536.7	1936.5	2350.9	2801.7	3295.4	3821.2	4338.0	4828.5	5343.9	6053.5	7798.3
30°	1665.5	2084.4	2519.8	3002.2	3546.6	4091.6	4620.0	5138.2	5712.5	7362.6	9020.8
27.5°	1785.5	2222.9	2691.8	3211.0	3781.7	4345.0	4882.2	5462.4	6646.6	8542.5	10089.2
25°	1896.4	2350.9	2851.1	3412.0	3999.3	4573.8	5136.5	5765.0	7728.6	9480.4	10746.4
22.5°	2000.2	2468.5	2997.0	3596.4	4199.3	4782.0	5395.4	6594.4	8647.3	10332.7	11267.0
20°	2096.1	2588.8	3141.1	3763.4	4380.8	4971.2	5631.2	7442.6	9387.1	10776.9	11801.7
17.5°	2181.5	2695.9	3277.4	3912.1	4537.6	5152.6	5922.6	8204.4	10052.9	11177.6	12311.9
15°	2256.1	2789.6	3396.6	4042.3	4674.1	5323.6	6540.9	8764.4	10494.0	11550.1	12768.9
12.5°	2319.7	2869.4	3498.3	4153.5	4790.8	5469.9	7070.6	9229.5	10775.2	11909.9	13296.9
10°	2372.0	2935.1	3582.1	4245.2	4887.0	5590.8	7508.6	9614.7	11008.4	12209.0	13736.6
7.5°	2412.8	2986.5	3647.6	4316.9	4962.4	5685.5	7852.3	9917.2	11191.9	12444.5	14083.6
5°	2442.1	3023.3	3694.6	4368.4	5016.5	5753.5	8099.3	10134.9	11324.0	12614.4	14334.3
2.5°	2459.7	3045.5	3722.9	4399.4	5049.1	5794.5	8248.3	10266.1	11403.7	12717.0	14485.8
0°	2465.6	3052.9	3732.3	4409.7	5060.0	5808.2	8298.0	10310.0	11430.4	12751.3	14536.5
-2.5°	2459.7	3045.5	3722.9	4399.4	5049.1	5794.5	8248.3	10266.1	11403.7	12717.0	14485.8
-5°	2442.1	3023.3	3694.6	4368.4	5016.5	5753.5	8099.3	10134.9	11324.0	12614.4	14334.3
-7.5°	2412.8	2986.5	3647.6	4316.9	4962.4	5685.5	7852.3	9917.2	11191.9	12444.5	14083.6
-10°	2372.0	2935.1	3582.1	4245.2	4887.0	5590.8	7508.6	9614.7	11008.4	12209.0	13736.6
-12.5°	2319.7	2869.4	3498.3	4153.5	4790.8	5469.9	7070.6	9229.5	10775.2	11909.9	13296.9
-15°	2256.1	2789.6	3396.6	4042.3	4674.1	5323.6	6540.9	8764.4	10494.0	11550.1	12768.9
-17.5°	2181.5	2695.9	3277.4	3912.1	4537.6	5152.6	5922.6	8204.4	10052.9	11177.6	12311.9
-20°	2096.1	2588.8	3141.1	3763.4	4380.8	4971.2	5631.2	7442.6	9387.1	10776.9	11801.7



REPORT NUMBER: P1306506 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3S-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2000.2	2468.5	2997.0	3596.4	4199.3	4782.0	5395.4	6594.4	8647.3	10332.7	11267.0
-25°	1896.4	2350.9	2851.1	3412.0	3999.3	4573.8	5136.5	5765.0	7728.6	9480.4	10746.4
-27.5°	1785.5	2222.9	2691.8	3211.0	3781.7	4345.0	4882.2	5462.4	6646.6	8542.5	10089.2
-30°	1665.5	2084.4	2519.8	3002.2	3546.6	4091.6	4620.0	5138.2	5712.5	7362.6	9020.8
-32.5°	1536.7	1936.5	2350.9	2801.7	3295.4	3821.2	4338.0	4828.5	5343.9	6053.5	7798.3
-35°	1406.4	1785.5	2178.3	2588.8	3032.2	3534.5	4030.7	4512.8	4969.7	5468.9	6338.4
-37.5°	1279.8	1625.9	1995.8	2376.2	2789.6	3232.5	3708.0	4172.3	4617.1	5040.9	5510.9
-40°	1146.5	1458.0	1810.6	2168.4	2535.3	2935.1	3370.0	3813.0	4243.7	4652.1	5040.9
-42.5°	1008.9	1304.3	1619.3	1951.5	2293.4	2650.9	3023.3	3439.3	3848.1	4243.7	4617.1
-45°	881.9	1144.7	1424.4	1736.0	2050.8	2369.1	2709.0	3052.9	3439.3	3813.0	4172.3
-47.5°	749.9	984.8	1244.5	1512.9	1806.6	2100.9	2394.5	2709.0	3023.3	3370.0	3708.0
-50°	619.7	835.5	1058.6	1304.8	1559.7	1830.3	2100.9	2369.1	2650.9	2935.1	3232.5
-52.5°	504.5	681.5	887.2	1098.6	1325.0	1559.7	1806.6	2050.8	2293.4	2535.3	2789.6
-55°	386.0	546.2	715.9	904.5	1098.6	1304.8	1512.9	1736.0	1951.5	2168.4	2376.2
-57.5°	292.9	413.6	560.1	715.9	887.2	1058.6	1244.5	1424.4	1619.3	1810.6	1995.8
-60°	214.1	301.6	413.6	546.2	681.5	835.5	984.8	1144.7	1304.3	1458.0	1625.9
-62.5°	142.9	214.1	292.9	386.0	504.5	619.7	749.9	881.9	1008.9	1146.5	1279.8
-65°	113.0	139.8	196.7	266.8	335.0	435.5	536.9	634.6	746.6	856.8	961.9
-67.5°	82.5	106.7	130.3	162.2	223.6	283.2	340.8	427.8	512.2	592.9	674.5
-70°	69.0	76.1	94.2	114.7	134.6	163.8	215.0	264.2	311.5	365.2	433.3
-72.5°	58.8	64.9	71.0	76.9	93.0	109.9	126.3	142.0	172.3	211.7	249.2
-75°	49.4	53.8	58.9	63.9	68.8	73.6	79.5	92.9	105.8	118.2	129.9
-77.5°	40.6	44.3	47.9	51.4	55.0	58.9	62.7	66.4	69.9	73.3	76.5
-80°	32.6	34.8	37.6	40.5	43.2	45.8	48.4	50.8	53.2	55.6	58.2
-82.5°	25.9	27.6	29.2	30.8	32.3	33.8	35.4	37.2	39.0	40.6	42.2
-85°	18.8	20.4	21.5	22.5	23.5	24.5	25.5	26.4	27.3	28.1	28.9
-87.5°	9.4	10.2	11.0	11.7	12.4	13.1	13.8	14.4	15.0	15.6	16.2
-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: P1306506 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3S-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°	16.7	17.2	17.7	18.1	18.5	18.8	19.2	19.5	19.7	19.9	20.1
85°	29.6	30.3	31.0	31.6	32.2	32.7	33.1	33.6	33.9	34.2	34.5
82.5°	43.7	45.1	46.5	47.7	48.8	49.8	50.8	51.6	52.3	52.9	53.4
80°	60.6	62.9	65.0	66.9	68.7	70.4	71.9	73.2	74.3	75.3	76.1
77.5°	83.5	92.2	100.3	107.8	114.7	121.0	126.6	131.7	136.1	139.8	142.8
75°	140.9	156.7	183.4	208.2	231.0	251.7	270.5	287.1	301.6	313.9	324.0
72.5°	284.7	318.2	353.7	399.7	442.0	480.5	515.3	546.2	573.1	596.0	614.8
70°	497.7	558.4	615.2	672.5	732.1	786.4	835.5	879.1	917.0	949.4	975.9
67.5°	763.7	847.8	926.6	999.9	1073.9	1144.7	1208.6	1265.4	1315.0	1357.1	1391.8
65°	1067.2	1175.1	1276.3	1370.5	1458.0	1549.2	1631.5	1704.8	1768.7	1823.1	1867.9
62.5°	1406.4	1536.7	1665.5	1785.5	1896.4	2000.2	2096.1	2181.5	2256.1	2319.7	2372.0
60°	1785.5	1936.5	2084.4	2222.9	2350.9	2468.5	2588.8	2695.9	2789.6	2869.4	2935.1
57.5°	2178.3	2350.9	2519.8	2691.8	2851.1	2997.0	3141.1	3277.4	3396.6	3498.3	3582.1
55°	2588.8	2801.7	3002.2	3211.0	3412.0	3596.4	3763.4	3912.1	4042.3	4153.5	4245.2
52.5°	3032.2	3295.4	3546.6	3781.7	3999.3	4199.3	4380.8	4537.6	4674.1	4790.8	4887.0
50°	3534.5	3821.2	4091.6	4345.0	4573.8	4782.0	4971.2	5152.6	5323.6	5469.9	5590.8
47.5°	4030.7	4338.0	4620.0	4882.2	5136.5	5395.4	5631.2	5922.6	6540.9	7070.6	7508.6
45°	4512.8	4828.5	5138.2	5462.4	5765.0	6594.4	7442.6	8204.4	8764.4	9229.5	9614.7
42.5°	4969.7	5343.9	5712.5	6646.6	7728.6	8647.3	9387.1	10052.9	10494.0	10775.2	11008.4
40°	5468.9	6053.5	7362.6	8542.5	9480.4	10332.7	10776.9	11177.6	11550.1	11909.9	12209.0
37.5°	6338.4	7798.3	9020.8	10089.2	10746.4	11267.0	11801.7	12311.9	12768.9	13296.9	13736.6
35°	7944.5	9262.7	10393.6	11027.9	11661.1	12319.5	12988.1	13732.6	14394.8	15154.5	15839.9
32.5°	9262.7	10463.1	11170.4	11919.6	12672.7	13598.7	14481.1	15607.7	16634.6	17744.0	18863.5
30°	10393.6	11170.4	12006.5	12887.1	13972.4	15190.5	16548.3	18138.2	19805.8	21432.5	23264.3
27.5°	11027.9	11919.6	12887.1	14098.3	15563.1	17143.2	19328.0	21545.6	24255.2	26631.8	31298.7
25°	11661.1	12672.7	13972.4	15563.1	17434.9	19934.4	22958.8	26206.9	32491.3	38548.8	47411.6
22.5°	12319.5	13598.7	15190.5	17143.2	19934.4	23436.6	27955.0	36134.2	47221.7	60515.1	74513.7
20°	12988.1	14481.1	16548.3	19328.0	22958.8	27955.0	37369.7	52426.7	69713.9	91712.4	112004.8
17.5°	13732.6	15607.7	18138.2	21545.6	26206.9	36134.2	52426.7	73918.7	100628.9	131027.1	159514.5
15°	14394.8	16634.6	19805.8	24255.2	32491.3	47221.7	69713.9	100628.9	137551.8	175541.7	212728.9
12.5°	15154.5	17744.0	21432.5	26631.8	38548.8	60515.1	91712.4	131027.1	175541.7	221760.9	265828.2
10°	15839.9	18863.5	23264.3	31298.7	47411.6	74513.7	112004.8	159514.5	212728.9	265828.2	318081.6
7.5°	16382.0	19751.4	24722.2	35039.9	55694.1	88380.6	132881.5	186681.6	245068.4	304991.8	365859.1
5°	16774.3	20395.4	25782.4	37769.9	61765.0	98603.7	148391.7	207290.3	270245.5	337344.7	405563.0
2.5°	17011.8	20785.8	26426.4	39432.3	65473.7	104875.5	157962.5	220111.6	286097.8	357992.4	434525.8
0°	17091.3	20916.6	26642.4	39990.7	66721.4	106990.3	161199.7	224467.9	291520.7	365182.2	444934.0
-2.5°	17011.8	20785.8	26426.4	39432.3	65473.7	104875.5	157962.5	220111.6	286097.8	357992.4	434525.8
-5°	16774.3	20395.4	25782.4	37769.9	61765.0	98603.7	148391.7	207290.3	270245.5	337344.7	405563.0
-7.5°	16382.0	19751.4	24722.2	35039.9	55694.1	88380.6	132881.5	186681.6	245068.4	304991.8	365859.1
-10°	15839.9	18863.5	23264.3	31298.7	47411.6	74513.7	112004.8	159514.5	212728.9	265828.2	318081.6
-12.5°	15154.5	17744.0	21432.5	26631.8	38548.8	60515.1	91712.4	131027.1	175541.7	221760.9	265828.2
-15°	14394.8	16634.6	19805.8	24255.2	32491.3	47221.7	69713.9	100628.9	137551.8	175541.7	212728.9
-17.5°	13732.6	15607.7	18138.2	21545.6	26206.9	36134.2	52426.7	73918.7	100628.9	131027.1	159514.5
-20°	12988.1	14481.1	16548.3	19328.0	22958.8	27955.0	37369.7	52426.7	69713.9	91712.4	112004.8



REPORT NUMBER: P1306506 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3S-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	12319.5	13598.7	15190.5	17143.2	19934.4	23436.6	27955.0	36134.2	47221.7	60515.1	74513.7
-25°	11661.1	12672.7	13972.4	15563.1	17434.9	19934.4	22958.8	26206.9	32491.3	38548.8	47411.6
-27.5°	11027.9	11919.6	12887.1	14098.3	15563.1	17143.2	19328.0	21545.6	24255.2	26631.8	31298.7
-30°	10393.6	11170.4	12006.5	12887.1	13972.4	15190.5	16548.3	18138.2	19805.8	21432.5	23264.3
-32.5°	9262.7	10463.1	11170.4	11919.6	12672.7	13598.7	14481.1	15607.7	16634.6	17744.0	18863.5
-35°	7944.5	9262.7	10393.6	11027.9	11661.1	12319.5	12988.1	13732.6	14394.8	15154.5	15839.9
-37.5°	6338.4	7798.3	9020.8	10089.2	10746.4	11267.0	11801.7	12311.9	12768.9	13296.9	13736.6
-40°	5468.9	6053.5	7362.6	8542.5	9480.4	10332.7	10776.9	11177.6	11550.1	11909.9	12209.0
-42.5°	4969.7	5343.9	5712.5	6646.6	7728.6	8647.3	9387.1	10052.9	10494.0	10775.2	11008.4
-45°	4512.8	4828.5	5138.2	5462.4	5765.0	6594.4	7442.6	8204.4	8764.4	9229.5	9614.7
-47.5°	4030.7	4338.0	4620.0	4882.2	5136.5	5395.4	5631.2	5922.6	6540.9	7070.6	7508.6
-50°	3534.5	3821.2	4091.6	4345.0	4573.8	4782.0	4971.2	5152.6	5323.6	5469.9	5590.8
-52.5°	3032.2	3295.4	3546.6	3781.7	3999.3	4199.3	4380.8	4537.6	4674.1	4790.8	4887.0
-55°	2588.8	2801.7	3002.2	3211.0	3412.0	3596.4	3763.4	3912.1	4042.3	4153.5	4245.2
-57.5°	2178.3	2350.9	2519.8	2691.8	2851.1	2997.0	3141.1	3277.4	3396.6	3498.3	3582.1
-60°	1785.5	1936.5	2084.4	2222.9	2350.9	2468.5	2588.8	2695.9	2789.6	2869.4	2935.1
-62.5°	1406.4	1536.7	1665.5	1785.5	1896.4	2000.2	2096.1	2181.5	2256.1	2319.7	2372.0
-65°	1067.2	1175.1	1276.3	1370.5	1458.0	1549.2	1631.5	1704.8	1768.7	1823.1	1867.9
-67.5°	763.7	847.8	926.6	999.9	1073.9	1144.7	1208.6	1265.4	1315.0	1357.1	1391.8
-70°	497.7	558.4	615.2	672.5	732.1	786.4	835.5	879.1	917.0	949.4	975.9
-72.5°	284.7	318.2	353.7	399.7	442.0	480.5	515.3	546.2	573.1	596.0	614.8
-75°	140.9	156.7	183.4	208.2	231.0	251.7	270.5	287.1	301.6	313.9	324.0
-77.5°	83.5	92.2	100.3	107.8	114.7	121.0	126.6	131.7	136.1	139.8	142.8
-80°	60.6	62.9	65.0	66.9	68.7	70.4	71.9	73.2	74.3	75.3	76.1
-82.5°	43.7	45.1	46.5	47.7	48.8	49.8	50.8	51.6	52.3	52.9	53.4
-85°	29.6	30.3	31.0	31.6	32.2	32.7	33.1	33.6	33.9	34.2	34.5
-87.5°	16.7	17.2	17.7	18.1	18.5	18.8	19.2	19.5	19.7	19.9	20.1
-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: P1306506 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3S-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°	20.2	20.3	20.4	20.4	20.4	20.3	20.2	20.1	19.9	19.7	19.5
85°	34.7	34.8	34.9	34.9	34.9	34.8	34.7	34.5	34.2	33.9	33.6
82.5°	53.8	54.1	54.2	54.3	54.2	54.1	53.8	53.4	52.9	52.3	51.6
80°	76.7	77.1	77.4	77.5	77.4	77.1	76.7	76.1	75.3	74.3	73.2
77.5°	145.2	146.9	148.0	148.3	148.0	146.9	145.2	142.8	139.8	136.1	131.7
75°	331.9	337.6	341.0	342.1	341.0	337.6	331.9	324.0	313.9	301.6	287.1
72.5°	629.5	640.0	646.3	648.4	646.3	640.0	629.5	614.8	596.0	573.1	546.2
70°	996.7	1011.5	1020.4	1023.4	1020.4	1011.5	996.7	975.9	949.4	917.0	879.1
67.5°	1418.9	1438.3	1449.9	1453.8	1449.9	1438.3	1418.9	1391.8	1357.1	1315.0	1265.4
65°	1902.9	1927.9	1943.0	1948.0	1943.0	1927.9	1902.9	1867.9	1823.1	1768.7	1704.8
62.5°	2412.8	2442.1	2459.7	2465.6	2459.7	2442.1	2412.8	2372.0	2319.7	2256.1	2181.5
60°	2986.5	3023.3	3045.5	3052.9	3045.5	3023.3	2986.5	2935.1	2869.4	2789.6	2695.9
57.5°	3647.6	3694.6	3722.9	3732.3	3722.9	3694.6	3647.6	3582.1	3498.3	3396.6	3277.4
55°	4316.9	4368.4	4399.4	4409.7	4399.4	4368.4	4316.9	4245.2	4153.5	4042.3	3912.1
52.5°	4962.4	5016.5	5049.1	5060.0	5049.1	5016.5	4962.4	4887.0	4790.8	4674.1	4537.6
50°	5685.5	5753.5	5794.5	5808.2	5794.5	5753.5	5685.5	5590.8	5469.9	5323.6	5152.6
47.5°	7852.3	8099.3	8248.3	8298.0	8248.3	8099.3	7852.3	7508.6	7070.6	6540.9	5922.6
45°	9917.2	10134.9	10266.1	10310.0	10266.1	10134.9	9917.2	9614.7	9229.5	8764.4	8204.4
42.5°	11191.9	11324.0	11403.7	11430.4	11403.7	11324.0	11191.9	11008.4	10775.2	10494.0	10052.9
40°	12444.5	12614.4	12717.0	12751.3	12717.0	12614.4	12444.5	12209.0	11909.9	11550.1	11177.6
37.5°	14083.6	14334.3	14485.8	14536.5	14485.8	14334.3	14083.6	13736.6	13296.9	12768.9	12311.9
35°	16382.0	16774.3	17011.8	17091.3	17011.8	16774.3	16382.0	15839.9	15154.5	14394.8	13732.6
32.5°	19751.4	20395.4	20785.8	20916.6	20785.8	20395.4	19751.4	18863.5	17744.0	16634.6	15607.7
30°	24722.2	25782.4	26426.4	26642.4	26426.4	25782.4	24722.2	23264.3	21432.5	19805.8	18138.2
27.5°	35039.9	37769.9	39432.3	39990.7	39432.3	37769.9	35039.9	31298.7	26631.8	24255.2	21545.6
25°	55694.1	61765.0	65473.7	66721.4	65473.7	61765.0	55694.1	47411.6	38548.8	32491.3	26206.9
22.5°	88380.6	98603.7	104875.5	106990.3	104875.5	98603.7	88380.6	74513.7	60515.1	47221.7	36134.2
20°	132881.5	148391.7	157962.5	161199.7	157962.5	148391.7	132881.5	112004.8	91712.4	69713.9	52426.7
17.5°	186681.6	207290.3	220111.6	224467.9	220111.6	207290.3	186681.6	159514.5	131027.1	100628.9	73918.7
15°	245068.4	270245.5	286097.8	291520.7	286097.8	270245.5	245068.4	212728.9	175541.7	137551.8	100628.9
12.5°	304991.8	337344.7	357992.4	365182.2	357992.4	337344.7	304991.8	265828.2	221760.9	175541.7	131027.1
10°	365859.1	405563.0	434525.8	444934.0	434525.8	405563.0	365859.1	318081.6	265828.2	212728.9	159514.5
7.5°	424730.7	479786.3	512620.1	522068.1	512620.1	479786.3	424730.7	365859.1	304991.8	245068.4	186681.6
5°	479786.3	532218.5	563317.4	575265.7	563317.4	532218.5	479786.3	405563.0	337344.7	270245.5	207290.3
2.5°	512620.1	563317.4	604940.0	624339.5	604940.0	563317.4	512620.1	434525.8	357992.4	286097.8	220111.6
0°	522068.1	575265.7	624339.5	648443.7	624339.5	575265.7	522068.1	444934.0	365182.2	291520.7	224467.9
-2.5°	512620.1	563317.4	604940.0	624339.5	604940.0	563317.4	512620.1	434525.8	357992.4	286097.8	220111.6
-5°	479786.3	532218.5	563317.4	575265.7	563317.4	532218.5	479786.3	405563.0	337344.7	270245.5	207290.3
-7.5°	424730.7	479786.3	512620.1	522068.1	512620.1	479786.3	424730.7	365859.1	304991.8	245068.4	186681.6
-10°	365859.1	405563.0	434525.8	444934.0	434525.8	405563.0	365859.1	318081.6	265828.2	212728.9	159514.5
-12.5°	304991.8	337344.7	357992.4	365182.2	357992.4	337344.7	304991.8	265828.2	221760.9	175541.7	131027.1
-15°	245068.4	270245.5	286097.8	291520.7	286097.8	270245.5	245068.4	212728.9	175541.7	137551.8	100628.9
-17.5°	186681.6	207290.3	220111.6	224467.9	220111.6	207290.3	186681.6	159514.5	131027.1	100628.9	73918.7
-20°	132881.5	148391.7	157962.5	161199.7	157962.5	148391.7	132881.5	112004.8	91712.4	69713.9	52426.7



REPORT NUMBER: P1306506 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3S-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	88380.6	98603.7	104875.5	106990.3	104875.5	98603.7	88380.6	74513.7	60515.1	47221.7	36134.2
-25°	55694.1	61765.0	65473.7	66721.4	65473.7	61765.0	55694.1	47411.6	38548.8	32491.3	26206.9
-27.5°	35039.9	37769.9	39432.3	39990.7	39432.3	37769.9	35039.9	31298.7	26631.8	24255.2	21545.6
-30°	24722.2	25782.4	26426.4	26642.4	26426.4	25782.4	24722.2	23264.3	21432.5	19805.8	18138.2
-32.5°	19751.4	20395.4	20785.8	20916.6	20785.8	20395.4	19751.4	18863.5	17744.0	16634.6	15607.7
-35°	16382.0	16774.3	17011.8	17091.3	17011.8	16774.3	16382.0	15839.9	15154.5	14394.8	13732.6
-37.5°	14083.6	14334.3	14485.8	14536.5	14485.8	14334.3	14083.6	13736.6	13296.9	12768.9	12311.9
-40°	12444.5	12614.4	12717.0	12751.3	12717.0	12614.4	12444.5	12209.0	11909.9	11550.1	11177.6
-42.5°	11191.9	11324.0	11403.7	11430.4	11403.7	11324.0	11191.9	11008.4	10775.2	10494.0	10052.9
-45°	9917.2	10134.9	10266.1	10310.0	10266.1	10134.9	9917.2	9614.7	9229.5	8764.4	8204.4
-47.5°	7852.3	8099.3	8248.3	8298.0	8248.3	8099.3	7852.3	7508.6	7070.6	6540.9	5922.6
-50°	5685.5	5753.5	5794.5	5808.2	5794.5	5753.5	5685.5	5590.8	5469.9	5323.6	5152.6
-52.5°	4962.4	5016.5	5049.1	5060.0	5049.1	5016.5	4962.4	4887.0	4790.8	4674.1	4537.6
-55°	4316.9	4368.4	4399.4	4409.7	4399.4	4368.4	4316.9	4245.2	4153.5	4042.3	3912.1
-57.5°	3647.6	3694.6	3722.9	3732.3	3722.9	3694.6	3647.6	3582.1	3498.3	3396.6	3277.4
-60°	2986.5	3023.3	3045.5	3052.9	3045.5	3023.3	2986.5	2935.1	2869.4	2789.6	2695.9
-62.5°	2412.8	2442.1	2459.7	2465.6	2459.7	2442.1	2412.8	2372.0	2319.7	2256.1	2181.5
-65°	1902.9	1927.9	1943.0	1948.0	1943.0	1927.9	1902.9	1867.9	1823.1	1768.7	1704.8
-67.5°	1418.9	1438.3	1449.9	1453.8	1449.9	1438.3	1418.9	1391.8	1357.1	1315.0	1265.4
-70°	996.7	1011.5	1020.4	1023.4	1020.4	1011.5	996.7	975.9	949.4	917.0	879.1
-72.5°	629.5	640.0	646.3	648.4	646.3	640.0	629.5	614.8	596.0	573.1	546.2
-75°	331.9	337.6	341.0	342.1	341.0	337.6	331.9	324.0	313.9	301.6	287.1
-77.5°	145.2	146.9	148.0	148.3	148.0	146.9	145.2	142.8	139.8	136.1	131.7
-80°	76.7	77.1	77.4	77.5	77.4	77.1	76.7	76.1	75.3	74.3	73.2
-82.5°	53.8	54.1	54.2	54.3	54.2	54.1	53.8	53.4	52.9	52.3	51.6
-85°	34.7	34.8	34.9	34.9	34.9	34.8	34.7	34.5	34.2	33.9	33.6
-87.5°	20.2	20.3	20.4	20.4	20.4	20.3	20.2	20.1	19.9	19.7	19.5
-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: P1306506 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3S-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°	19.2	18.8	18.5	18.1	17.7	17.2	16.7	16.2	15.6	15.0	14.4
85°	33.1	32.7	32.2	31.6	31.0	30.3	29.6	28.9	28.1	27.3	26.4
82.5°	50.8	49.8	48.8	47.7	46.5	45.1	43.7	42.2	40.6	39.0	37.2
80°	71.9	70.4	68.7	66.9	65.0	62.9	60.6	58.2	55.6	53.2	50.8
77.5°	126.6	121.0	114.7	107.8	100.3	92.2	83.5	76.5	73.3	69.9	66.4
75°	270.5	251.7	231.0	208.2	183.4	156.7	140.9	129.9	118.2	105.8	92.9
72.5°	515.3	480.5	442.0	399.7	353.7	318.2	284.7	249.2	211.7	172.3	142.0
70°	835.5	786.4	732.1	672.5	615.2	558.4	497.7	433.3	365.2	311.5	264.2
67.5°	1208.6	1144.7	1073.9	999.9	926.6	847.8	763.7	674.5	592.9	512.2	427.8
65°	1631.5	1549.2	1458.0	1370.5	1276.3	1175.1	1067.2	961.9	856.8	746.6	634.6
62.5°	2096.1	2000.2	1896.4	1785.5	1665.5	1536.7	1406.4	1279.8	1146.5	1008.9	881.9
60°	2588.8	2468.5	2350.9	2222.9	2084.4	1936.5	1785.5	1625.9	1458.0	1304.3	1144.7
57.5°	3141.1	2997.0	2851.1	2691.8	2519.8	2350.9	2178.3	1995.8	1810.6	1619.3	1424.4
55°	3763.4	3596.4	3412.0	3211.0	3002.2	2801.7	2588.8	2376.2	2168.4	1951.5	1736.0
52.5°	4380.8	4199.3	3999.3	3781.7	3546.6	3295.4	3032.2	2789.6	2535.3	2293.4	2050.8
50°	4971.2	4782.0	4573.8	4345.0	4091.6	3821.2	3534.5	3232.5	2935.1	2650.9	2369.1
47.5°	5631.2	5395.4	5136.5	4882.2	4620.0	4338.0	4030.7	3708.0	3370.0	3023.3	2709.0
45°	7442.6	6594.4	5765.0	5462.4	5138.2	4828.5	4512.8	4172.3	3813.0	3439.3	3052.9
42.5°	9387.1	8647.3	7728.6	6646.6	5712.5	5343.9	4969.7	4617.1	4243.7	3848.1	3439.3
40°	10776.9	10332.7	9480.4	8542.5	7362.6	6053.5	5468.9	5040.9	4652.1	4243.7	3813.0
37.5°	11801.7	11267.0	10746.4	10089.2	9020.8	7798.3	6338.4	5510.9	5040.9	4617.1	4172.3
35°	12988.1	12319.5	11661.1	11027.9	10393.6	9262.7	7944.5	6338.4	5468.9	4969.7	4512.8
32.5°	14481.1	13598.7	12672.7	11919.6	11170.4	10463.1	9262.7	7798.3	6053.5	5343.9	4828.5
30°	16548.3	15190.5	13972.4	12887.1	12006.5	11170.4	10393.6	9020.8	7362.6	5712.5	5138.2
27.5°	19328.0	17143.2	15563.1	14098.3	12887.1	11919.6	11027.9	10089.2	8542.5	6646.6	5462.4
25°	22958.8	19934.4	17434.9	15563.1	13972.4	12672.7	11661.1	10746.4	9480.4	7728.6	5765.0
22.5°	27955.0	23436.6	19934.4	17143.2	15190.5	13598.7	12319.5	11267.0	10332.7	8647.3	6594.4
20°	37369.7	27955.0	22958.8	19328.0	16548.3	14481.1	12988.1	11801.7	10776.9	9387.1	7442.6
17.5°	52426.7	36134.2	26206.9	21545.6	18138.2	15607.7	13732.6	12311.9	11177.6	10052.9	8204.4
15°	69713.9	47221.7	32491.3	24255.2	19805.8	16634.6	14394.8	12768.9	11550.1	10494.0	8764.4
12.5°	91712.4	60515.1	38548.8	26631.8	21432.5	17744.0	15154.5	13296.9	11909.9	10775.2	9229.5
10°	112004.8	74513.7	47411.6	31298.7	23264.3	18863.5	15839.9	13736.6	12209.0	11008.4	9614.7
7.5°	132881.5	88380.6	55694.1	35039.9	24722.2	19751.4	16382.0	14083.6	12444.5	11191.9	9917.2
5°	148391.7	98603.7	61765.0	37769.9	25782.4	20395.4	16774.3	14334.3	12614.4	11324.0	10134.9
2.5°	157962.5	104875.5	65473.7	39432.3	26426.4	20785.8	17011.8	14485.8	12717.0	11403.7	10266.1
0°	161199.7	106990.3	66721.4	39990.7	26642.4	20916.6	17091.3	14536.5	12751.3	11430.4	10310.0
-2.5°	157962.5	104875.5	65473.7	39432.3	26426.4	20785.8	17011.8	14485.8	12717.0	11403.7	10266.1
-5°	148391.7	98603.7	61765.0	37769.9	25782.4	20395.4	16774.3	14334.3	12614.4	11324.0	10134.9
-7.5°	132881.5	88380.6	55694.1	35039.9	24722.2	19751.4	16382.0	14083.6	12444.5	11191.9	9917.2
-10°	112004.8	74513.7	47411.6	31298.7	23264.3	18863.5	15839.9	13736.6	12209.0	11008.4	9614.7
-12.5°	91712.4	60515.1	38548.8	26631.8	21432.5	17744.0	15154.5	13296.9	11909.9	10775.2	9229.5
-15°	69713.9	47221.7	32491.3	24255.2	19805.8	16634.6	14394.8	12768.9	11550.1	10494.0	8764.4
-17.5°	52426.7	36134.2	26206.9	21545.6	18138.2	15607.7	13732.6	12311.9	11177.6	10052.9	8204.4
-20°	37369.7	27955.0	22958.8	19328.0	16548.3	14481.1	12988.1	11801.7	10776.9	9387.1	7442.6



REPORT NUMBER: P1306506 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3S-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	27955.0	23436.6	19934.4	17143.2	15190.5	13598.7	12319.5	11267.0	10332.7	8647.3	6594.4
-25°	22958.8	19934.4	17434.9	15563.1	13972.4	12672.7	11661.1	10746.4	9480.4	7728.6	5765.0
-27.5°	19328.0	17143.2	15563.1	14098.3	12887.1	11919.6	11027.9	10089.2	8542.5	6646.6	5462.4
-30°	16548.3	15190.5	13972.4	12887.1	12006.5	11170.4	10393.6	9020.8	7362.6	5712.5	5138.2
-32.5°	14481.1	13598.7	12672.7	11919.6	11170.4	10463.1	9262.7	7798.3	6053.5	5343.9	4828.5
-35°	12988.1	12319.5	11661.1	11027.9	10393.6	9262.7	7944.5	6338.4	5468.9	4969.7	4512.8
-37.5°	11801.7	11267.0	10746.4	10089.2	9020.8	7798.3	6338.4	5510.9	5040.9	4617.1	4172.3
-40°	10776.9	10332.7	9480.4	8542.5	7362.6	6053.5	5468.9	5040.9	4652.1	4243.7	3813.0
-42.5°	9387.1	8647.3	7728.6	6646.6	5712.5	5343.9	4969.7	4617.1	4243.7	3848.1	3439.3
-45°	7442.6	6594.4	5765.0	5462.4	5138.2	4828.5	4512.8	4172.3	3813.0	3439.3	3052.9
-47.5°	5631.2	5395.4	5136.5	4882.2	4620.0	4338.0	4030.7	3708.0	3370.0	3023.3	2709.0
-50°	4971.2	4782.0	4573.8	4345.0	4091.6	3821.2	3534.5	3232.5	2935.1	2650.9	2369.1
-52.5°	4380.8	4199.3	3999.3	3781.7	3546.6	3295.4	3032.2	2789.6	2535.3	2293.4	2050.8
-55°	3763.4	3596.4	3412.0	3211.0	3002.2	2801.7	2588.8	2376.2	2168.4	1951.5	1736.0
-57.5°	3141.1	2997.0	2851.1	2691.8	2519.8	2350.9	2178.3	1995.8	1810.6	1619.3	1424.4
-60°	2588.8	2468.5	2350.9	2222.9	2084.4	1936.5	1785.5	1625.9	1458.0	1304.3	1144.7
-62.5°	2096.1	2000.2	1896.4	1785.5	1665.5	1536.7	1406.4	1279.8	1146.5	1008.9	881.9
-65°	1631.5	1549.2	1458.0	1370.5	1276.3	1175.1	1067.2	961.9	856.8	746.6	634.6
-67.5°	1208.6	1144.7	1073.9	999.9	926.6	847.8	763.7	674.5	592.9	512.2	427.8
-70°	835.5	786.4	732.1	672.5	615.2	558.4	497.7	433.3	365.2	311.5	264.2
-72.5°	515.3	480.5	442.0	399.7	353.7	318.2	284.7	249.2	211.7	172.3	142.0
-75°	270.5	251.7	231.0	208.2	183.4	156.7	140.9	129.9	118.2	105.8	92.9
-77.5°	126.6	121.0	114.7	107.8	100.3	92.2	83.5	76.5	73.3	69.9	66.4
-80°	71.9	70.4	68.7	66.9	65.0	62.9	60.6	58.2	55.6	53.2	50.8
-82.5°	50.8	49.8	48.8	47.7	46.5	45.1	43.7	42.2	40.6	39.0	37.2
-85°	33.1	32.7	32.2	31.6	31.0	30.3	29.6	28.9	28.1	27.3	26.4
-87.5°	19.2	18.8	18.5	18.1	17.7	17.2	16.7	16.2	15.6	15.0	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: P1306506 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3S-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°	13.8	13.1	12.4	11.7	11.0	10.2	9.4	8.6	7.8	7.0	6.1
85°	25.5	24.5	23.5	22.5	21.5	20.4	18.8	17.2	15.6	13.9	12.3
82.5°	35.4	33.8	32.3	30.8	29.2	27.6	25.9	24.2	22.5	20.7	18.4
80°	48.4	45.8	43.2	40.5	37.6	34.8	32.6	30.3	28.0	25.6	23.3
77.5°	62.7	58.9	55.0	51.4	47.9	44.3	40.6	36.8	33.5	30.5	27.5
75°	79.5	73.6	68.8	63.9	58.9	53.8	49.4	44.8	40.2	35.5	31.8
72.5°	126.3	109.9	93.0	76.9	71.0	64.9	58.8	52.8	47.4	41.9	36.4
70°	215.0	163.8	134.6	114.7	94.2	76.1	69.0	61.8	54.5	48.2	41.9
67.5°	340.8	283.2	223.6	162.2	130.3	106.7	82.5	71.1	62.8	54.5	47.4
65°	536.9	435.5	335.0	266.8	196.7	139.8	113.0	85.7	71.1	61.8	52.8
62.5°	749.9	619.7	504.5	386.0	292.9	214.1	142.9	113.0	82.5	69.0	58.8
60°	984.8	835.5	681.5	546.2	413.6	301.6	214.1	139.8	106.7	76.1	64.9
57.5°	1244.5	1058.6	887.2	715.9	560.1	413.6	292.9	196.7	130.3	94.2	71.0
55°	1512.9	1304.8	1098.6	904.5	715.9	546.2	386.0	266.8	162.2	114.7	76.9
52.5°	1806.6	1559.7	1325.0	1098.6	887.2	681.5	504.5	335.0	223.6	134.6	93.0
50°	2100.9	1830.3	1559.7	1304.8	1058.6	835.5	619.7	435.5	283.2	163.8	109.9
47.5°	2394.5	2100.9	1806.6	1512.9	1244.5	984.8	749.9	536.9	340.8	215.0	126.3
45°	2709.0	2369.1	2050.8	1736.0	1424.4	1144.7	881.9	634.6	427.8	264.2	142.0
42.5°	3023.3	2650.9	2293.4	1951.5	1619.3	1304.3	1008.9	746.6	512.2	311.5	172.3
40°	3370.0	2935.1	2535.3	2168.4	1810.6	1458.0	1146.5	856.8	592.9	365.2	211.7
37.5°	3708.0	3232.5	2789.6	2376.2	1995.8	1625.9	1279.8	961.9	674.5	433.3	249.2
35°	4030.7	3534.5	3032.2	2588.8	2178.3	1785.5	1406.4	1067.2	763.7	497.7	284.7
32.5°	4338.0	3821.2	3295.4	2801.7	2350.9	1936.5	1536.7	1175.1	847.8	558.4	318.2
30°	4620.0	4091.6	3546.6	3002.2	2519.8	2084.4	1665.5	1276.3	926.6	615.2	353.7
27.5°	4882.2	4345.0	3781.7	3211.0	2691.8	2222.9	1785.5	1370.5	999.9	672.5	399.7
25°	5136.5	4573.8	3999.3	3412.0	2851.1	2350.9	1896.4	1458.0	1073.9	732.1	442.0
22.5°	5395.4	4782.0	4199.3	3596.4	2997.0	2468.5	2000.2	1549.2	1144.7	786.4	480.5
20°	5631.2	4971.2	4380.8	3763.4	3141.1	2588.8	2096.1	1631.5	1208.6	835.5	515.3
17.5°	5922.6	5152.6	4537.6	3912.1	3277.4	2695.9	2181.5	1704.8	1265.4	879.1	546.2
15°	6540.9	5323.6	4674.1	4042.3	3396.6	2789.6	2256.1	1768.7	1315.0	917.0	573.1
12.5°	7070.6	5469.9	4790.8	4153.5	3498.3	2869.4	2319.7	1823.1	1357.1	949.4	596.0
10°	7508.6	5590.8	4887.0	4245.2	3582.1	2935.1	2372.0	1867.9	1391.8	975.9	614.8
7.5°	7852.3	5685.5	4962.4	4316.9	3647.6	2986.5	2412.8	1902.9	1418.9	996.7	629.5
5°	8099.3	5753.5	5016.5	4368.4	3694.6	3023.3	2442.1	1927.9	1438.3	1011.5	640.0
2.5°	8248.3	5794.5	5049.1	4399.4	3722.9	3045.5	2459.7	1943.0	1449.9	1020.4	646.3
0°	8298.0	5808.2	5060.0	4409.7	3732.3	3052.9	2465.6	1948.0	1453.8	1023.4	648.4
-2.5°	8248.3	5794.5	5049.1	4399.4	3722.9	3045.5	2459.7	1943.0	1449.9	1020.4	646.3
-5°	8099.3	5753.5	5016.5	4368.4	3694.6	3023.3	2442.1	1927.9	1438.3	1011.5	640.0
-7.5°	7852.3	5685.5	4962.4	4316.9	3647.6	2986.5	2412.8	1902.9	1418.9	996.7	629.5
-10°	7508.6	5590.8	4887.0	4245.2	3582.1	2935.1	2372.0	1867.9	1391.8	975.9	614.8
-12.5°	7070.6	5469.9	4790.8	4153.5	3498.3	2869.4	2319.7	1823.1	1357.1	949.4	596.0
-15°	6540.9	5323.6	4674.1	4042.3	3396.6	2789.6	2256.1	1768.7	1315.0	917.0	573.1
-17.5°	5922.6	5152.6	4537.6	3912.1	3277.4	2695.9	2181.5	1704.8	1265.4	879.1	546.2
-20°	5631.2	4971.2	4380.8	3763.4	3141.1	2588.8	2096.1	1631.5	1208.6	835.5	515.3



REPORT NUMBER: P1306506 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3S-A

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	5395.4	4782.0	4199.3	3596.4	2997.0	2468.5	2000.2	1549.2	1144.7	786.4	480.5
-25°	5136.5	4573.8	3999.3	3412.0	2851.1	2350.9	1896.4	1458.0	1073.9	732.1	442.0
-27.5°	4882.2	4345.0	3781.7	3211.0	2691.8	2222.9	1785.5	1370.5	999.9	672.5	399.7
-30°	4620.0	4091.6	3546.6	3002.2	2519.8	2084.4	1665.5	1276.3	926.6	615.2	353.7
-32.5°	4338.0	3821.2	3295.4	2801.7	2350.9	1936.5	1536.7	1175.1	847.8	558.4	318.2
-35°	4030.7	3534.5	3032.2	2588.8	2178.3	1785.5	1406.4	1067.2	763.7	497.7	284.7
-37.5°	3708.0	3232.5	2789.6	2376.2	1995.8	1625.9	1279.8	961.9	674.5	433.3	249.2
-40°	3370.0	2935.1	2535.3	2168.4	1810.6	1458.0	1146.5	856.8	592.9	365.2	211.7
-42.5°	3023.3	2650.9	2293.4	1951.5	1619.3	1304.3	1008.9	746.6	512.2	311.5	172.3
-45°	2709.0	2369.1	2050.8	1736.0	1424.4	1144.7	881.9	634.6	427.8	264.2	142.0
-47.5°	2394.5	2100.9	1806.6	1512.9	1244.5	984.8	749.9	536.9	340.8	215.0	126.3
-50°	2100.9	1830.3	1559.7	1304.8	1058.6	835.5	619.7	435.5	283.2	163.8	109.9
-52.5°	1806.6	1559.7	1325.0	1098.6	887.2	681.5	504.5	335.0	223.6	134.6	93.0
-55°	1512.9	1304.8	1098.6	904.5	715.9	546.2	386.0	266.8	162.2	114.7	76.9
-57.5°	1244.5	1058.6	887.2	715.9	560.1	413.6	292.9	196.7	130.3	94.2	71.0
-60°	984.8	835.5	681.5	546.2	413.6	301.6	214.1	139.8	106.7	76.1	64.9
-62.5°	749.9	619.7	504.5	386.0	292.9	214.1	142.9	113.0	82.5	69.0	58.8
-65°	536.9	435.5	335.0	266.8	196.7	139.8	113.0	85.7	71.1	61.8	52.8
-67.5°	340.8	283.2	223.6	162.2	130.3	106.7	82.5	71.1	62.8	54.5	47.4
-70°	215.0	163.8	134.6	114.7	94.2	76.1	69.0	61.8	54.5	48.2	41.9
-72.5°	126.3	109.9	93.0	76.9	71.0	64.9	58.8	52.8	47.4	41.9	36.4
-75°	79.5	73.6	68.8	63.9	58.9	53.8	49.4	44.8	40.2	35.5	31.8
-77.5°	62.7	58.9	55.0	51.4	47.9	44.3	40.6	36.8	33.5	30.5	27.5
-80°	48.4	45.8	43.2	40.5	37.6	34.8	32.6	30.3	28.0	25.6	23.3
-82.5°	35.4	33.8	32.3	30.8	29.2	27.6	25.9	24.2	22.5	20.7	18.4
-85°	25.5	24.5	23.5	22.5	21.5	20.4	18.8	17.2	15.6	13.9	12.3
-87.5°	13.8	13.1	12.4	11.7	11.0	10.2	9.4	8.6	7.8	7.0	6.1
-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: P1306506 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3S-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°	5.3	4.4	3.5	2.7	1.8	0.9	0.0
85°	10.5	8.8	7.1	5.3	3.6	1.8	0.0
82.5°	15.8	13.2	10.6	8.0	5.3	2.7	0.0
80°	20.8	17.6	14.1	10.6	7.1	3.5	0.0
77.5°	24.5	21.5	17.6	13.2	8.8	4.4	0.0
75°	28.2	24.5	20.8	15.8	10.5	5.3	0.0
72.5°	31.8	27.5	23.3	18.4	12.3	6.1	0.0
70°	35.5	30.5	25.6	20.7	13.9	7.0	0.0
67.5°	40.2	33.5	28.0	22.5	15.6	7.8	0.0
65°	44.8	36.8	30.3	24.2	17.2	8.6	0.0
62.5°	49.4	40.6	32.6	25.9	18.8	9.4	0.0
60°	53.8	44.3	34.8	27.6	20.4	10.2	0.0
57.5°	58.9	47.9	37.6	29.2	21.5	11.0	0.0
55°	63.9	51.4	40.5	30.8	22.5	11.7	0.0
52.5°	68.8	55.0	43.2	32.3	23.5	12.4	0.0
50°	73.6	58.9	45.8	33.8	24.5	13.1	0.0
47.5°	79.5	62.7	48.4	35.4	25.5	13.8	0.0
45°	92.9	66.4	50.8	37.2	26.4	14.4	0.0
42.5°	105.8	69.9	53.2	39.0	27.3	15.0	0.0
40°	118.2	73.3	55.6	40.6	28.1	15.6	0.0
37.5°	129.9	76.5	58.2	42.2	28.9	16.2	0.0
35°	140.9	83.5	60.6	43.7	29.6	16.7	0.0
32.5°	156.7	92.2	62.9	45.1	30.3	17.2	0.0
30°	183.4	100.3	65.0	46.5	31.0	17.7	0.0
27.5°	208.2	107.8	66.9	47.7	31.6	18.1	0.0
25°	231.0	114.7	68.7	48.8	32.2	18.5	0.0
22.5°	251.7	121.0	70.4	49.8	32.7	18.8	0.0
20°	270.5	126.6	71.9	50.8	33.1	19.2	0.0
17.5°	287.1	131.7	73.2	51.6	33.6	19.5	0.0
15°	301.6	136.1	74.3	52.3	33.9	19.7	0.0
12.5°	313.9	139.8	75.3	52.9	34.2	19.9	0.0
10°	324.0	142.8	76.1	53.4	34.5	20.1	0.0
7.5°	331.9	145.2	76.7	53.8	34.7	20.2	0.0
5°	337.6	146.9	77.1	54.1	34.8	20.3	0.0
2.5°	341.0	148.0	77.4	54.2	34.9	20.4	0.0
0°	342.1	148.3	77.5	54.3	34.9	20.4	0.0
-2.5°	341.0	148.0	77.4	54.2	34.9	20.4	0.0
-5°	337.6	146.9	77.1	54.1	34.8	20.3	0.0
-7.5°	331.9	145.2	76.7	53.8	34.7	20.2	0.0
-10°	324.0	142.8	76.1	53.4	34.5	20.1	0.0
-12.5°	313.9	139.8	75.3	52.9	34.2	19.9	0.0
-15°	301.6	136.1	74.3	52.3	33.9	19.7	0.0
-17.5°	287.1	131.7	73.2	51.6	33.6	19.5	0.0
-20°	270.5	126.6	71.9	50.8	33.1	19.2	0.0



REPORT NUMBER: P1306506 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS16-1200R-40-70-3S-A

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	251.7	121.0	70.4	49.8	32.7	18.8	0.0
-25°	231.0	114.7	68.7	48.8	32.2	18.5	0.0
-27.5°	208.2	107.8	66.9	47.7	31.6	18.1	0.0
-30°	183.4	100.3	65.0	46.5	31.0	17.7	0.0
-32.5°	156.7	92.2	62.9	45.1	30.3	17.2	0.0
-35°	140.9	83.5	60.6	43.7	29.6	16.7	0.0
-37.5°	129.9	76.5	58.2	42.2	28.9	16.2	0.0
-40°	118.2	73.3	55.6	40.6	28.1	15.6	0.0
-42.5°	105.8	69.9	53.2	39.0	27.3	15.0	0.0
-45°	92.9	66.4	50.8	37.2	26.4	14.4	0.0
-47.5°	79.5	62.7	48.4	35.4	25.5	13.8	0.0
-50°	73.6	58.9	45.8	33.8	24.5	13.1	0.0
-52.5°	68.8	55.0	43.2	32.3	23.5	12.4	0.0
-55°	63.9	51.4	40.5	30.8	22.5	11.7	0.0
-57.5°	58.9	47.9	37.6	29.2	21.5	11.0	0.0
-60°	53.8	44.3	34.8	27.6	20.4	10.2	0.0
-62.5°	49.4	40.6	32.6	25.9	18.8	9.4	0.0
-65°	44.8	36.8	30.3	24.2	17.2	8.6	0.0
-67.5°	40.2	33.5	28.0	22.5	15.6	7.8	0.0
-70°	35.5	30.5	25.6	20.7	13.9	7.0	0.0
-72.5°	31.8	27.5	23.3	18.4	12.3	6.1	0.0
-75°	28.2	24.5	20.8	15.8	10.5	5.3	0.0
-77.5°	24.5	21.5	17.6	13.2	8.8	4.4	0.0
-80°	20.8	17.6	14.1	10.6	7.1	3.5	0.0
-82.5°	15.8	13.2	10.6	8.0	5.3	2.7	0.0
-85°	10.5	8.8	7.1	5.3	3.6	1.8	0.0
-87.5°	5.3	4.4	3.5	2.7	1.8	0.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)