

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: P1306508 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200R-40-70-4S-A**

Issue Date: 2/3/2026

Test Information

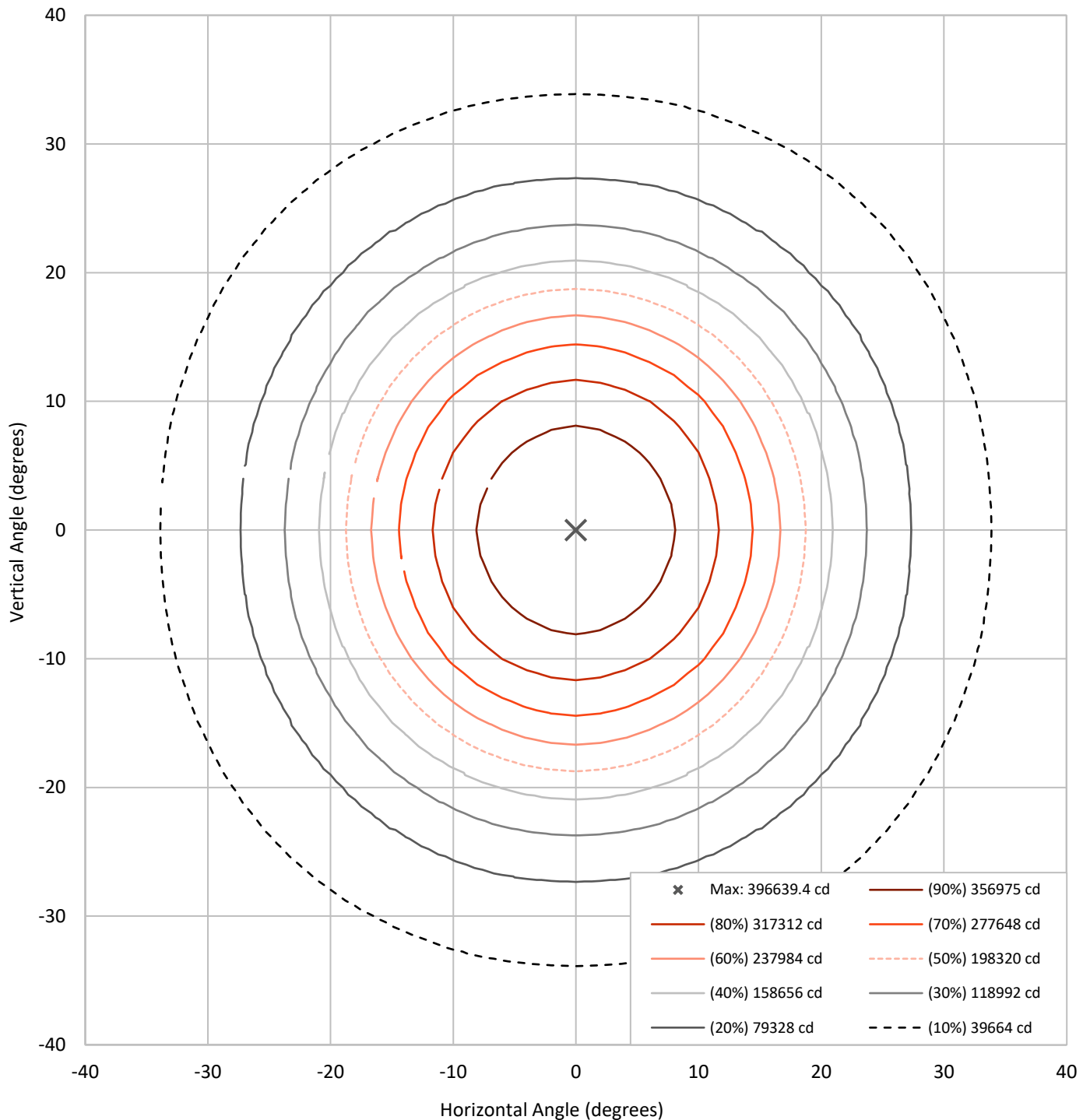
Test Method: LM-79-08
Report Number: P1306508 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-12)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS16-1200R-40-70-4S-A
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 4000K, 70 CRI LEDS AND 4S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	4H x 4V
Luminaire Lumens:	189283.8 lumens	Max Intensity:	396639.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	154.8 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	37.5°H x 37.5°V	Field Angle (10%):	67.8°H x 67.8°V
Beam Lumens:	96300.3 lumens	Field Lumens:	166533.3 lumens
Beam Efficiency:	50.9%	Field Efficiency:	88.0%
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





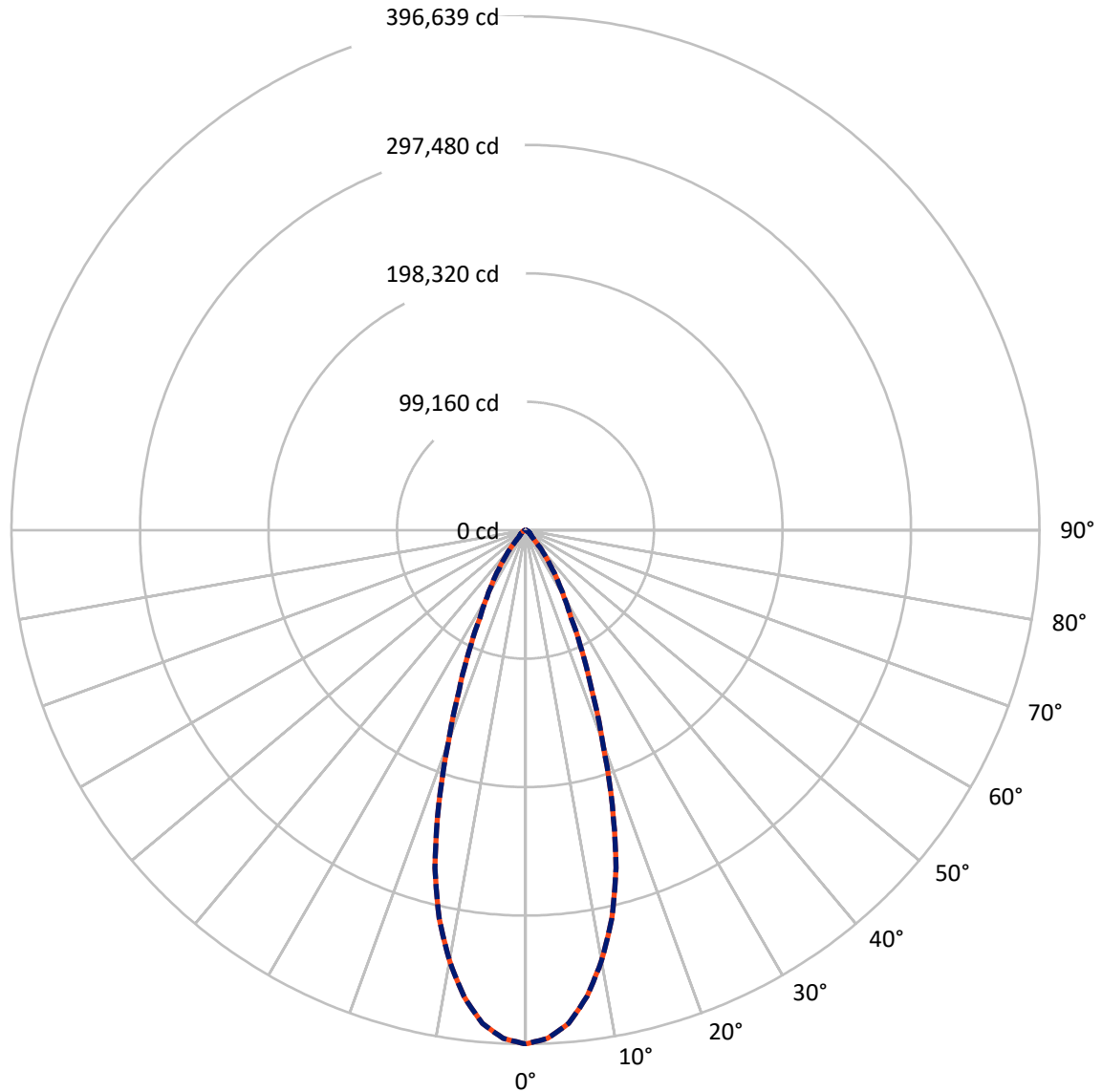
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Lumen Table

90	0.1	1.2		6.1		15.6		20.4		15.6		6.1		1.2		0.1
80	0.1	1.2		6.1		15.6		20.4		15.6		6.1		1.2		0.1
70	0.6	1.0	4.1	11.2	22.4	35.2	46.3	52.5	52.5	46.3	35.2	22.4	11.2	4.1	1.0	0.6
60		3.1	13.0	33.0	59.5	85.1	105.0	116.2	116.2	105.0	85.1	59.5	33.0	13.0	3.1	
50	2.2	6.9	27.0	60.7	98.6	140.4	195.4	246.8	246.8	195.4	140.4	98.6	60.7	27.0	6.9	2.2
40		11.9	42.1	85.3	150.3	357.2	740.2	1037.1	1037.1	740.2	357.2	150.3	85.3	42.1	11.9	
30	4.6	17.0	54.4	110.1	325.0	1008.0	2047.2	3053.3	3053.3	2047.2	1008.0	325.0	110.1	54.4	17.0	4.6
20		20.9	63.0	144.5	634.1	1928.1	4656.1	7454.6	7454.6	4656.1	1928.1	634.1	144.5	63.0	20.9	
10	5.7	23.0	67.6	178.0	862.2	2795.5	7243.7	10803.4	10803.4	7243.7	2795.5	862.2	178.0	67.6	23.0	5.7
0		23.0	67.6	178.0	862.2	2795.5	7243.7	10803.4	10803.4	7243.7	2795.5	862.2	178.0	67.6	23.0	
-10	4.6	20.9	63.0	144.5	634.1	1928.1	4656.1	7454.6	7454.6	4656.1	1928.1	634.1	144.5	63.0	20.9	4.6
-20		17.0	54.4	110.1	325.0	1008.0	2047.2	3053.3	3053.3	2047.2	1008.0	325.0	110.1	54.4	17.0	
-30	2.2	11.9	42.1	85.3	150.3	357.2	740.2	1037.1	1037.1	740.2	357.2	150.3	85.3	42.1	11.9	2.2
-40		6.9	27.0	60.7	98.6	140.4	195.4	246.8	246.8	195.4	140.4	98.6	60.7	27.0	6.9	
-50	0.6	3.1	13.0	33.0	59.5	85.1	105.0	116.2	116.2	105.0	85.1	59.5	33.0	13.0	3.1	0.6
-60		1.0	4.1	11.2	22.4	35.2	46.3	52.5	52.5	46.3	35.2	22.4	11.2	4.1	1.0	
-70	0.1	1.2		6.1		15.6		20.4		15.6		6.1		1.2		0.1
-80		1.2		6.1		15.6		20.4		15.6		6.1		1.2		
-90	0.1	1.2		6.1		15.6		20.4		15.6		6.1		1.2		0.1

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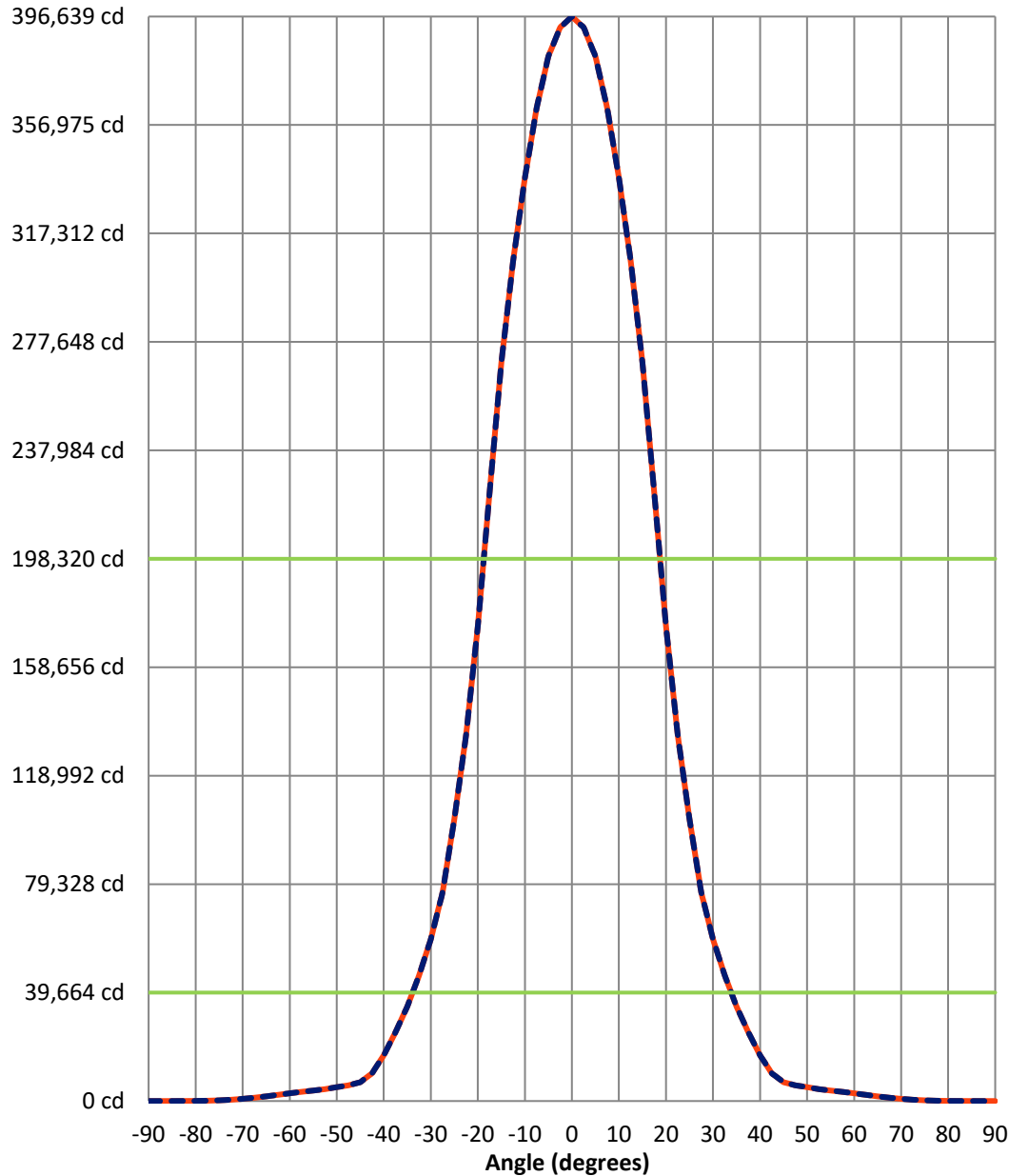
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 37.5°
 V Angle: 37.5°
 Lumens: 96300.3
 Efficiency: 50.9%

Field:
 H Angle: 67.8°
 V Angle: 67.8°
 Lumens: 166533.3
 Efficiency: 88.0%

Spill:
 Lumens: 22750.5
 Efficiency: 12.0%

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



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.2
85°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.7	2.0	2.2	2.4
82.5°	0.0	0.4	0.8	1.1	1.5	1.9	2.2	2.6	3.1	4.0	5.0
80°	0.0	0.5	1.0	1.5	2.0	2.5	3.1	4.5	5.8	7.0	8.3
77.5°	0.0	0.6	1.3	1.9	2.5	3.5	5.1	6.8	8.4	10.0	12.5
75°	0.0	0.8	1.5	2.2	3.1	5.1	7.1	9.1	11.3	15.6	19.8
72.5°	0.0	0.9	1.7	2.6	4.5	6.8	9.1	12.1	17.1	22.1	26.9
70°	0.0	1.0	2.0	3.1	5.8	8.4	11.3	17.1	22.8	28.5	35.6
67.5°	0.0	1.1	2.2	4.0	7.0	10.0	15.6	22.1	28.5	36.6	44.6
65°	0.0	1.2	2.4	5.0	8.3	12.5	19.8	26.9	35.6	44.6	59.4
62.5°	0.0	1.3	2.7	5.9	9.5	16.0	23.8	32.6	42.6	56.1	88.0
60°	0.0	1.4	2.9	6.8	10.7	19.3	27.8	38.6	49.4	81.4	116.2
57.5°	0.0	1.6	3.5	7.7	13.3	22.5	32.7	44.5	68.3	106.2	160.0
55°	0.0	1.7	4.1	8.6	15.8	25.7	37.6	50.2	89.8	135.1	210.6
52.5°	0.0	1.8	4.6	9.4	18.3	28.9	42.4	67.1	110.8	179.4	259.8
50°	0.0	1.9	5.1	10.2	20.7	32.8	47.0	84.8	136.3	222.4	330.5
47.5°	0.0	2.0	5.7	11.2	23.0	36.5	52.9	102.0	173.2	264.0	401.6
45°	0.0	2.1	6.2	12.9	25.2	40.0	67.0	118.5	208.7	325.1	470.2
42.5°	0.0	2.1	6.6	14.5	27.3	43.4	80.5	142.4	242.8	384.3	566.5
40°	0.0	2.2	7.1	16.0	29.6	46.7	93.5	170.8	281.1	440.9	663.5
37.5°	0.0	2.3	7.5	17.4	32.1	49.8	105.8	197.9	328.9	502.9	756.1
35°	0.0	2.4	7.9	18.8	34.4	57.1	117.4	223.5	374.1	581.5	852.4
32.5°	0.0	2.4	8.3	20.0	36.6	66.2	131.2	247.6	416.7	655.6	956.1
30°	0.0	2.5	8.7	21.2	38.6	74.7	150.4	273.1	456.6	725.0	1053.3
27.5°	0.0	2.6	9.0	22.3	40.5	82.6	168.3	305.3	501.1	789.6	1143.8
25°	0.0	2.6	9.3	23.4	42.3	89.8	184.7	335.0	553.6	858.8	1227.9
22.5°	0.0	2.7	9.6	24.3	43.9	96.4	199.7	362.1	601.5	926.9	1318.9
20°	0.0	2.7	9.8	25.1	45.3	102.4	213.2	386.5	644.7	988.3	1401.0
17.5°	0.0	2.8	10.1	25.9	46.6	107.6	225.2	408.2	683.1	1042.8	1474.0
15°	0.0	2.8	10.3	26.5	47.7	112.2	235.7	427.1	716.6	1090.4	1537.7
12.5°	0.0	2.8	10.4	27.0	48.6	116.2	244.6	443.1	745.1	1130.9	1592.0
10°	0.0	2.9	10.6	27.5	49.4	119.4	251.9	456.3	768.5	1164.2	1636.6
7.5°	0.0	2.9	10.7	27.8	50.0	121.9	257.6	466.6	786.7	1190.2	1671.5
5°	0.0	2.9	10.7	28.1	50.5	123.7	261.6	474.0	799.8	1208.9	1696.5
2.5°	0.0	2.9	10.8	28.2	50.7	124.7	264.1	478.4	807.7	1220.1	1711.5
0°	0.0	2.9	10.8	28.3	50.8	125.1	264.9	479.9	810.3	1223.8	1716.5
-2.5°	0.0	2.9	10.8	28.2	50.7	124.7	264.1	478.4	807.7	1220.1	1711.5
-5°	0.0	2.9	10.7	28.1	50.5	123.7	261.6	474.0	799.8	1208.9	1696.5
-7.5°	0.0	2.9	10.7	27.8	50.0	121.9	257.6	466.6	786.7	1190.2	1671.5
-10°	0.0	2.9	10.6	27.5	49.4	119.4	251.9	456.3	768.5	1164.2	1636.6
-12.5°	0.0	2.8	10.4	27.0	48.6	116.2	244.6	443.1	745.1	1130.9	1592.0
-15°	0.0	2.8	10.3	26.5	47.7	112.2	235.7	427.1	716.6	1090.4	1537.7
-17.5°	0.0	2.8	10.1	25.9	46.6	107.6	225.2	408.2	683.1	1042.8	1474.0
-20°	0.0	2.7	9.8	25.1	45.3	102.4	213.2	386.5	644.7	988.3	1401.0



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 CATALOG NUMBER: EPH-LS16-1200R-40-70-4S-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	2.7	9.6	24.3	43.9	96.4	199.7	362.1	601.5	926.9	1318.9
-25°	0.0	2.6	9.3	23.4	42.3	89.8	184.7	335.0	553.6	858.8	1227.9
-27.5°	0.0	2.6	9.0	22.3	40.5	82.6	168.3	305.3	501.1	789.6	1143.8
-30°	0.0	2.5	8.7	21.2	38.6	74.7	150.4	273.1	456.6	725.0	1053.3
-32.5°	0.0	2.4	8.3	20.0	36.6	66.2	131.2	247.6	416.7	655.6	956.1
-35°	0.0	2.4	7.9	18.8	34.4	57.1	117.4	223.5	374.1	581.5	852.4
-37.5°	0.0	2.3	7.5	17.4	32.1	49.8	105.8	197.9	328.9	502.9	756.1
-40°	0.0	2.2	7.1	16.0	29.6	46.7	93.5	170.8	281.1	440.9	663.5
-42.5°	0.0	2.1	6.6	14.5	27.3	43.4	80.5	142.4	242.8	384.3	566.5
-45°	0.0	2.1	6.2	12.9	25.2	40.0	67.0	118.5	208.7	325.1	470.2
-47.5°	0.0	2.0	5.7	11.2	23.0	36.5	52.9	102.0	173.2	264.0	401.6
-50°	0.0	1.9	5.1	10.2	20.7	32.8	47.0	84.8	136.3	222.4	330.5
-52.5°	0.0	1.8	4.6	9.4	18.3	28.9	42.4	67.1	110.8	179.4	259.8
-55°	0.0	1.7	4.1	8.6	15.8	25.7	37.6	50.2	89.8	135.1	210.6
-57.5°	0.0	1.6	3.5	7.7	13.3	22.5	32.7	44.5	68.3	106.2	160.0
-60°	0.0	1.4	2.9	6.8	10.7	19.3	27.8	38.6	49.4	81.4	116.2
-62.5°	0.0	1.3	2.7	5.9	9.5	16.0	23.8	32.6	42.6	56.1	88.0
-65°	0.0	1.2	2.4	5.0	8.3	12.5	19.8	26.9	35.6	44.6	59.4
-67.5°	0.0	1.1	2.2	4.0	7.0	10.0	15.6	22.1	28.5	36.6	44.6
-70°	0.0	1.0	2.0	3.1	5.8	8.4	11.3	17.1	22.8	28.5	35.6
-72.5°	0.0	0.9	1.7	2.6	4.5	6.8	9.1	12.1	17.1	22.1	26.9
-75°	0.0	0.8	1.5	2.2	3.1	5.1	7.1	9.1	11.3	15.6	19.8
-77.5°	0.0	0.6	1.3	1.9	2.5	3.5	5.1	6.8	8.4	10.0	12.5
-80°	0.0	0.5	1.0	1.5	2.0	2.5	3.1	4.5	5.8	7.0	8.3
-82.5°	0.0	0.4	0.8	1.1	1.5	1.9	2.2	2.6	3.1	4.0	5.0
-85°	0.0	0.3	0.5	0.8	1.0	1.3	1.5	1.7	2.0	2.2	2.4
-87.5°	0.0	0.1	0.3	0.4	0.5	0.6	0.8	0.9	1.0	1.1	1.2
-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-40-70-4S-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°	1.3	1.4	1.6	1.7	1.8	1.9	2.0	2.1	2.1	2.2	2.3
85°	2.7	2.9	3.5	4.1	4.6	5.1	5.7	6.2	6.6	7.1	7.5
82.5°	5.9	6.8	7.7	8.6	9.4	10.2	11.2	12.9	14.5	16.0	17.4
80°	9.5	10.7	13.3	15.8	18.3	20.7	23.0	25.2	27.3	29.6	32.1
77.5°	16.0	19.3	22.5	25.7	28.9	32.8	36.5	40.0	43.4	46.7	49.8
75°	23.8	27.8	32.7	37.6	42.4	47.0	52.9	67.0	80.5	93.5	105.8
72.5°	32.6	38.6	44.5	50.2	67.1	84.8	102.0	118.5	142.4	170.8	197.9
70°	42.6	49.4	68.3	89.8	110.8	136.3	173.2	208.7	242.8	281.1	328.9
67.5°	56.1	81.4	106.2	135.1	179.4	222.4	264.0	325.1	384.3	440.9	502.9
65°	88.0	116.2	160.0	210.6	259.8	330.5	401.6	470.2	566.5	663.5	756.1
62.5°	119.5	172.6	229.4	295.7	378.9	459.8	569.4	685.6	797.5	928.6	1056.7
60°	172.6	235.7	315.1	408.2	509.1	644.7	776.3	926.9	1080.2	1227.9	1395.4
57.5°	229.4	315.1	417.9	539.3	690.3	844.1	1022.7	1195.6	1388.8	1579.5	1767.5
55°	295.7	408.2	539.3	705.6	882.5	1080.7	1282.8	1505.1	1720.2	1951.7	2173.3
52.5°	378.9	509.1	690.3	882.5	1100.1	1329.4	1575.6	1826.2	2085.0	2336.3	2582.5
50°	459.8	644.7	844.1	1080.7	1329.4	1599.1	1879.6	2165.8	2448.1	2723.5	2978.2
47.5°	569.4	776.3	1022.7	1282.8	1575.6	1879.6	2192.8	2504.5	2809.0	3085.8	3350.4
45°	685.6	926.9	1195.6	1505.1	1826.2	2165.8	2504.5	2837.6	3140.0	3425.4	3674.8
42.5°	797.5	1080.2	1388.8	1720.2	2085.0	2448.1	2809.0	3140.0	3449.8	3724.4	4003.0
40°	928.6	1227.9	1579.5	1951.7	2336.3	2723.5	3085.8	3425.4	3724.4	4030.5	4336.8
37.5°	1056.7	1395.4	1767.5	2173.3	2582.5	2978.2	3350.4	3674.8	4003.0	4336.8	4794.7
35°	1178.3	1554.5	1962.2	2388.0	2817.6	3214.5	3576.5	3920.8	4280.7	4753.5	5227.5
32.5°	1306.4	1705.0	2146.4	2594.2	3027.4	3431.1	3789.8	4169.5	4630.7	5151.9	5615.0
30°	1434.9	1862.0	2321.2	2788.4	3224.0	3618.8	4005.2	4428.6	4992.8	5499.3	6160.9
27.5°	1554.5	2009.8	2487.8	2961.4	3403.7	3794.7	4211.8	4747.1	5309.3	5887.4	6771.9
25°	1665.1	2146.4	2642.1	3118.7	3554.7	3968.9	4426.9	5044.4	5596.5	6423.7	8164.5
22.5°	1772.2	2271.5	2783.5	3263.0	3693.6	4132.8	4681.3	5295.5	5947.3	6964.1	9675.0
20°	1874.5	2388.0	2906.6	3391.0	3819.5	4281.8	4912.9	5520.6	6370.4	8252.9	12003.7
17.5°	1965.6	2491.8	3013.3	3494.2	3940.4	4442.8	5117.2	5722.8	6751.1	9415.5	14551.8
15°	2045.2	2582.5	3106.6	3584.6	4047.9	4610.8	5281.2	6014.3	7432.0	10746.9	16829.6
12.5°	2113.0	2659.9	3186.2	3661.8	4139.7	4754.5	5421.8	6280.3	8248.0	12544.2	19331.5
10°	2168.8	2723.5	3251.8	3725.4	4215.6	4873.2	5538.1	6500.5	8924.8	14037.6	21415.1
7.5°	2212.4	2773.3	3303.1	3775.2	4274.9	4966.2	5629.3	6673.5	9457.1	15214.0	23059.3
5°	2243.6	2809.0	3339.9	3810.9	4317.6	5033.1	5694.9	6798.0	9840.5	16062.5	24247.1
2.5°	2262.4	2830.4	3362.0	3832.4	4343.2	5073.4	5734.4	6873.0	10071.9	16574.9	24965.1
0°	2268.7	2837.6	3369.4	3839.6	4351.8	5086.8	5747.6	6898.1	10149.2	16746.3	25205.4
-2.5°	2262.4	2830.4	3362.0	3832.4	4343.2	5073.4	5734.4	6873.0	10071.9	16574.9	24965.1
-5°	2243.6	2809.0	3339.9	3810.9	4317.6	5033.1	5694.9	6798.0	9840.5	16062.5	24247.1
-7.5°	2212.4	2773.3	3303.1	3775.2	4274.9	4966.2	5629.3	6673.5	9457.1	15214.0	23059.3
-10°	2168.8	2723.5	3251.8	3725.4	4215.6	4873.2	5538.1	6500.5	8924.8	14037.6	21415.1
-12.5°	2113.0	2659.9	3186.2	3661.8	4139.7	4754.5	5421.8	6280.3	8248.0	12544.2	19331.5
-15°	2045.2	2582.5	3106.6	3584.6	4047.9	4610.8	5281.2	6014.3	7432.0	10746.9	16829.6
-17.5°	1965.6	2491.8	3013.3	3494.2	3940.4	4442.8	5117.2	5722.8	6751.1	9415.5	14551.8
-20°	1874.5	2388.0	2906.6	3391.0	3819.5	4281.8	4912.9	5520.6	6370.4	8252.9	12003.7



REPORT NUMBER: P1306508 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-4S-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1772.2	2271.5	2783.5	3263.0	3693.6	4132.8	4681.3	5295.5	5947.3	6964.1	9675.0
-25°	1665.1	2146.4	2642.1	3118.7	3554.7	3968.9	4426.9	5044.4	5596.5	6423.7	8164.5
-27.5°	1554.5	2009.8	2487.8	2961.4	3403.7	3794.7	4211.8	4747.1	5309.3	5887.4	6771.9
-30°	1434.9	1862.0	2321.2	2788.4	3224.0	3618.8	4005.2	4428.6	4992.8	5499.3	6160.9
-32.5°	1306.4	1705.0	2146.4	2594.2	3027.4	3431.1	3789.8	4169.5	4630.7	5151.9	5615.0
-35°	1178.3	1554.5	1962.2	2388.0	2817.6	3214.5	3576.5	3920.8	4280.7	4753.5	5227.5
-37.5°	1056.7	1395.4	1767.5	2173.3	2582.5	2978.2	3350.4	3674.8	4003.0	4336.8	4794.7
-40°	928.6	1227.9	1579.5	1951.7	2336.3	2723.5	3085.8	3425.4	3724.4	4030.5	4336.8
-42.5°	797.5	1080.2	1388.8	1720.2	2085.0	2448.1	2809.0	3140.0	3449.8	3724.4	4003.0
-45°	685.6	926.9	1195.6	1505.1	1826.2	2165.8	2504.5	2837.6	3140.0	3425.4	3674.8
-47.5°	569.4	776.3	1022.7	1282.8	1575.6	1879.6	2192.8	2504.5	2809.0	3085.8	3350.4
-50°	459.8	644.7	844.1	1080.7	1329.4	1599.1	1879.6	2165.8	2448.1	2723.5	2978.2
-52.5°	378.9	509.1	690.3	882.5	1100.1	1329.4	1575.6	1826.2	2085.0	2336.3	2582.5
-55°	295.7	408.2	539.3	705.6	882.5	1080.7	1282.8	1505.1	1720.2	1951.7	2173.3
-57.5°	229.4	315.1	417.9	539.3	690.3	844.1	1022.7	1195.6	1388.8	1579.5	1767.5
-60°	172.6	235.7	315.1	408.2	509.1	644.7	776.3	926.9	1080.2	1227.9	1395.4
-62.5°	119.5	172.6	229.4	295.7	378.9	459.8	569.4	685.6	797.5	928.6	1056.7
-65°	88.0	116.2	160.0	210.6	259.8	330.5	401.6	470.2	566.5	663.5	756.1
-67.5°	56.1	81.4	106.2	135.1	179.4	222.4	264.0	325.1	384.3	440.9	502.9
-70°	42.6	49.4	68.3	89.8	110.8	136.3	173.2	208.7	242.8	281.1	328.9
-72.5°	32.6	38.6	44.5	50.2	67.1	84.8	102.0	118.5	142.4	170.8	197.9
-75°	23.8	27.8	32.7	37.6	42.4	47.0	52.9	67.0	80.5	93.5	105.8
-77.5°	16.0	19.3	22.5	25.7	28.9	32.8	36.5	40.0	43.4	46.7	49.8
-80°	9.5	10.7	13.3	15.8	18.3	20.7	23.0	25.2	27.3	29.6	32.1
-82.5°	5.9	6.8	7.7	8.6	9.4	10.2	11.2	12.9	14.5	16.0	17.4
-85°	2.7	2.9	3.5	4.1	4.6	5.1	5.7	6.2	6.6	7.1	7.5
-87.5°	1.3	1.4	1.6	1.7	1.8	1.9	2.0	2.1	2.1	2.2	2.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306508 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-4S-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°	2.4	2.4	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.8	2.9
85°	7.9	8.3	8.7	9.0	9.3	9.6	9.8	10.1	10.3	10.4	10.6
82.5°	18.8	20.0	21.2	22.3	23.4	24.3	25.1	25.9	26.5	27.0	27.5
80°	34.4	36.6	38.6	40.5	42.3	43.9	45.3	46.6	47.7	48.6	49.4
77.5°	57.1	66.2	74.7	82.6	89.8	96.4	102.4	107.6	112.2	116.2	119.4
75°	117.4	131.2	150.4	168.3	184.7	199.7	213.2	225.2	235.7	244.6	251.9
72.5°	223.5	247.6	273.1	305.3	335.0	362.1	386.5	408.2	427.1	443.1	456.3
70°	374.1	416.7	456.6	501.1	553.6	601.5	644.7	683.1	716.6	745.1	768.5
67.5°	581.5	655.6	725.0	789.6	858.8	926.9	988.3	1042.8	1090.4	1130.9	1164.2
65°	852.4	956.1	1053.3	1143.8	1227.9	1318.9	1401.0	1474.0	1537.7	1592.0	1636.6
62.5°	1178.3	1306.4	1434.9	1554.5	1665.1	1772.2	1874.5	1965.6	2045.2	2113.0	2168.8
60°	1554.5	1705.0	1862.0	2009.8	2146.4	2271.5	2388.0	2491.8	2582.5	2659.9	2723.5
57.5°	1962.2	2146.4	2321.2	2487.8	2642.1	2783.5	2906.6	3013.3	3106.6	3186.2	3251.8
55°	2388.0	2594.2	2788.4	2961.4	3118.7	3263.0	3391.0	3494.2	3584.6	3661.8	3725.4
52.5°	2817.6	3027.4	3224.0	3403.7	3554.7	3693.6	3819.5	3940.4	4047.9	4139.7	4215.6
50°	3214.5	3431.1	3618.8	3794.7	3968.9	4132.8	4281.8	4442.8	4610.8	4754.5	4873.2
47.5°	3576.5	3789.8	4005.2	4211.8	4426.9	4681.3	4912.9	5117.2	5281.2	5421.8	5538.1
45°	3920.8	4169.5	4428.6	4747.1	5044.4	5295.5	5520.6	5722.8	6014.3	6280.3	6500.5
42.5°	4280.7	4630.7	4992.8	5309.3	5596.5	5947.3	6370.4	6751.1	7432.0	8248.0	8924.8
40°	4753.5	5151.9	5499.3	5887.4	6423.7	6964.1	8252.9	9415.5	10746.9	12544.2	14037.6
37.5°	5227.5	5615.0	6160.9	6771.9	8164.5	9675.0	12003.7	14551.8	16829.6	19331.5	21415.1
35°	5653.8	6299.2	7140.8	8981.2	11301.3	14589.6	17868.1	21396.0	24533.9	27471.5	29984.4
32.5°	6299.2	7342.2	9394.7	12592.3	16353.6	20761.5	24943.0	29132.8	32898.2	36511.7	39837.4
30°	7140.8	9394.7	13026.5	17389.8	22532.6	27603.2	32581.7	37682.9	42636.9	47131.2	51372.3
27.5°	8981.2	12592.3	17389.8	23129.1	28969.6	34726.6	41217.4	47393.2	53666.4	59169.0	65177.7
25°	11301.3	16353.6	22532.6	28969.6	35593.4	43019.0	50665.0	58185.1	66710.4	74495.3	83781.6
22.5°	14589.6	20761.5	27603.2	34726.6	43019.0	51771.3	60880.4	71392.0	83591.4	96906.9	109082.0
20°	17868.1	24943.0	32581.7	41217.4	50665.0	60880.4	72979.8	88805.1	105411.8	122233.0	137598.3
17.5°	21396.0	29132.8	37682.9	47393.2	58185.1	71392.0	88805.1	108627.0	129051.1	151569.5	172492.4
15°	24533.9	32898.2	42636.9	53666.4	66710.4	83591.4	105411.8	129051.1	156361.6	184813.6	213551.9
12.5°	27471.5	36511.7	47131.2	59169.0	74495.3	96906.9	122233.0	151569.5	184813.6	220531.9	251843.7
10°	29984.4	39837.4	51372.3	65177.7	83781.6	109082.0	137598.3	172492.4	213551.9	251843.7	283976.8
7.5°	31972.1	42475.3	54747.7	69985.6	92077.9	119685.3	152931.4	193422.5	237177.5	277086.1	307528.3
5°	33410.4	44388.3	57202.3	73494.2	98159.0	127502.5	164323.1	209349.0	254964.4	293779.6	324267.0
2.5°	34281.1	45548.1	58693.4	75630.7	101873.8	132298.2	171352.5	219257.3	266163.6	303890.6	334164.1
0°	34572.6	45936.8	59193.5	76348.3	103123.6	133915.3	173730.1	222623.9	269994.7	307215.3	337589.6
-2.5°	34281.1	45548.1	58693.4	75630.7	101873.8	132298.2	171352.5	219257.3	266163.6	303890.6	334164.1
-5°	33410.4	44388.3	57202.3	73494.2	98159.0	127502.5	164323.1	209349.0	254964.4	293779.6	324267.0
-7.5°	31972.1	42475.3	54747.7	69985.6	92077.9	119685.3	152931.4	193422.5	237177.5	277086.1	307528.3
-10°	29984.4	39837.4	51372.3	65177.7	83781.6	109082.0	137598.3	172492.4	213551.9	251843.7	283976.8
-12.5°	27471.5	36511.7	47131.2	59169.0	74495.3	96906.9	122233.0	151569.5	184813.6	220531.9	251843.7
-15°	24533.9	32898.2	42636.9	53666.4	66710.4	83591.4	105411.8	129051.1	156361.6	184813.6	213551.9
-17.5°	21396.0	29132.8	37682.9	47393.2	58185.1	71392.0	88805.1	108627.0	129051.1	151569.5	172492.4
-20°	17868.1	24943.0	32581.7	41217.4	50665.0	60880.4	72979.8	88805.1	105411.8	122233.0	137598.3



REPORT NUMBER: P1306508 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-4S-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	14589.6	20761.5	27603.2	34726.6	43019.0	51771.3	60880.4	71392.0	83591.4	96906.9	109082.0
-25°	11301.3	16353.6	22532.6	28969.6	35593.4	43019.0	50665.0	58185.1	66710.4	74495.3	83781.6
-27.5°	8981.2	12592.3	17389.8	23129.1	28969.6	34726.6	41217.4	47393.2	53666.4	59169.0	65177.7
-30°	7140.8	9394.7	13026.5	17389.8	22532.6	27603.2	32581.7	37682.9	42636.9	47131.2	51372.3
-32.5°	6299.2	7342.2	9394.7	12592.3	16353.6	20761.5	24943.0	29132.8	32898.2	36511.7	39837.4
-35°	5653.8	6299.2	7140.8	8981.2	11301.3	14589.6	17868.1	21396.0	24533.9	27471.5	29984.4
-37.5°	5227.5	5615.0	6160.9	6771.9	8164.5	9675.0	12003.7	14551.8	16829.6	19331.5	21415.1
-40°	4753.5	5151.9	5499.3	5887.4	6423.7	6964.1	8252.9	9415.5	10746.9	12544.2	14037.6
-42.5°	4280.7	4630.7	4992.8	5309.3	5596.5	5947.3	6370.4	6751.1	7432.0	8248.0	8924.8
-45°	3920.8	4169.5	4428.6	4747.1	5044.4	5295.5	5520.6	5722.8	6014.3	6280.3	6500.5
-47.5°	3576.5	3789.8	4005.2	4211.8	4426.9	4681.3	4912.9	5117.2	5281.2	5421.8	5538.1
-50°	3214.5	3431.1	3618.8	3794.7	3968.9	4132.8	4281.8	4442.8	4610.8	4754.5	4873.2
-52.5°	2817.6	3027.4	3224.0	3403.7	3554.7	3693.6	3819.5	3940.4	4047.9	4139.7	4215.6
-55°	2388.0	2594.2	2788.4	2961.4	3118.7	3263.0	3391.0	3494.2	3584.6	3661.8	3725.4
-57.5°	1962.2	2146.4	2321.2	2487.8	2642.1	2783.5	2906.6	3013.3	3106.6	3186.2	3251.8
-60°	1554.5	1705.0	1862.0	2009.8	2146.4	2271.5	2388.0	2491.8	2582.5	2659.9	2723.5
-62.5°	1178.3	1306.4	1434.9	1554.5	1665.1	1772.2	1874.5	1965.6	2045.2	2113.0	2168.8
-65°	852.4	956.1	1053.3	1143.8	1227.9	1318.9	1401.0	1474.0	1537.7	1592.0	1636.6
-67.5°	581.5	655.6	725.0	789.6	858.8	926.9	988.3	1042.8	1090.4	1130.9	1164.2
-70°	374.1	416.7	456.6	501.1	553.6	601.5	644.7	683.1	716.6	745.1	768.5
-72.5°	223.5	247.6	273.1	305.3	335.0	362.1	386.5	408.2	427.1	443.1	456.3
-75°	117.4	131.2	150.4	168.3	184.7	199.7	213.2	225.2	235.7	244.6	251.9
-77.5°	57.1	66.2	74.7	82.6	89.8	96.4	102.4	107.6	112.2	116.2	119.4
-80°	34.4	36.6	38.6	40.5	42.3	43.9	45.3	46.6	47.7	48.6	49.4
-82.5°	18.8	20.0	21.2	22.3	23.4	24.3	25.1	25.9	26.5	27.0	27.5
-85°	7.9	8.3	8.7	9.0	9.3	9.6	9.8	10.1	10.3	10.4	10.6
-87.5°	2.4	2.4	2.5	2.6	2.6	2.7	2.7	2.8	2.8	2.8	2.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306508 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-4S-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°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8
85°	10.7	10.7	10.8	10.8	10.8	10.7	10.7	10.6	10.4	10.3	10.1
82.5°	27.8	28.1	28.2	28.3	28.2	28.1	27.8	27.5	27.0	26.5	25.9
80°	50.0	50.5	50.7	50.8	50.7	50.5	50.0	49.4	48.6	47.7	46.6
77.5°	121.9	123.7	124.7	125.1	124.7	123.7	121.9	119.4	116.2	112.2	107.6
75°	257.6	261.6	264.1	264.9	264.1	261.6	257.6	251.9	244.6	235.7	225.2
72.5°	466.6	474.0	478.4	479.9	478.4	474.0	466.6	456.3	443.1	427.1	408.2
70°	786.7	799.8	807.7	810.3	807.7	799.8	786.7	768.5	745.1	716.6	683.1
67.5°	1190.2	1208.9	1220.1	1223.8	1220.1	1208.9	1190.2	1164.2	1130.9	1090.4	1042.8
65°	1671.5	1696.5	1711.5	1716.5	1711.5	1696.5	1671.5	1636.6	1592.0	1537.7	1474.0
62.5°	2212.4	2243.6	2262.4	2268.7	2262.4	2243.6	2212.4	2168.8	2113.0	2045.2	1965.6
60°	2773.3	2809.0	2830.4	2837.6	2830.4	2809.0	2773.3	2723.5	2659.9	2582.5	2491.8
57.5°	3303.1	3339.9	3362.0	3369.4	3362.0	3339.9	3303.1	3251.8	3186.2	3106.6	3013.3
55°	3775.2	3810.9	3832.4	3839.6	3832.4	3810.9	3775.2	3725.4	3661.8	3584.6	3494.2
52.5°	4274.9	4317.6	4343.2	4351.8	4343.2	4317.6	4274.9	4215.6	4139.7	4047.9	3940.4
50°	4966.2	5033.1	5073.4	5086.8	5073.4	5033.1	4966.2	4873.2	4754.5	4610.8	4442.8
47.5°	5629.3	5694.9	5734.4	5747.6	5734.4	5694.9	5629.3	5538.1	5421.8	5281.2	5117.2
45°	6673.5	6798.0	6873.0	6898.1	6873.0	6798.0	6673.5	6500.5	6280.3	6014.3	5722.8
42.5°	9457.1	9840.5	10071.9	10149.2	10071.9	9840.5	9457.1	8924.8	8248.0	7432.0	6751.1
40°	15214.0	16062.5	16574.9	16746.3	16574.9	16062.5	15214.0	14037.6	12544.2	10746.9	9415.5
37.5°	23059.3	24247.1	24965.1	25205.4	24965.1	24247.1	23059.3	21415.1	19331.5	16829.6	14551.8
35°	31972.1	33410.4	34281.1	34572.6	34281.1	33410.4	31972.1	29984.4	27471.5	24533.9	21396.0
32.5°	42475.3	44388.3	45548.1	45936.8	45548.1	44388.3	42475.3	39837.4	36511.7	32898.2	29132.8
30°	54747.7	57202.3	58693.4	59193.5	58693.4	57202.3	54747.7	51372.3	47131.2	42636.9	37682.9
27.5°	69985.6	73494.2	75630.7	76348.3	75630.7	73494.2	69985.6	65177.7	59169.0	53666.4	47393.2
25°	92077.9	98159.0	101873.8	103123.6	101873.8	98159.0	92077.9	83781.6	74495.3	66710.4	58185.1
22.5°	119685.3	127502.5	132298.2	133915.3	132298.2	127502.5	119685.3	109082.0	96906.9	83591.4	71392.0
20°	152931.4	164323.1	171352.5	173730.1	171352.5	164323.1	152931.4	137598.3	122233.0	105411.8	88805.1
17.5°	193422.5	209349.0	219257.3	222623.9	219257.3	209349.0	193422.5	172492.4	151569.5	129051.1	108627.0
15°	237177.5	254964.4	266163.6	269994.7	266163.6	254964.4	237177.5	213551.9	184813.6	156361.6	129051.1
12.5°	277086.1	293779.6	303890.6	307215.3	303890.6	293779.6	277086.1	251843.7	220531.9	184813.6	151569.5
10°	307528.3	324267.0	334164.1	337589.6	334164.1	324267.0	307528.3	283976.8	251843.7	213551.9	172492.4
7.5°	330940.4	348428.7	359519.6	363159.1	359519.6	348428.7	330940.4	307528.3	277086.1	237177.5	193422.5
5°	348428.7	367069.1	378246.9	382064.2	378246.9	367069.1	348428.7	324267.0	293779.6	254964.4	209349.0
2.5°	359519.6	378246.9	389086.2	392626.9	389086.2	378246.9	359519.6	334164.1	303890.6	266163.6	219257.3
0°	363159.1	382064.2	392626.9	396639.4	392626.9	382064.2	363159.1	337589.6	307215.3	269994.7	222623.9
-2.5°	359519.6	378246.9	389086.2	392626.9	389086.2	378246.9	359519.6	334164.1	303890.6	266163.6	219257.3
-5°	348428.7	367069.1	378246.9	382064.2	378246.9	367069.1	348428.7	324267.0	293779.6	254964.4	209349.0
-7.5°	330940.4	348428.7	359519.6	363159.1	359519.6	348428.7	330940.4	307528.3	277086.1	237177.5	193422.5
-10°	307528.3	324267.0	334164.1	337589.6	334164.1	324267.0	307528.3	283976.8	251843.7	213551.9	172492.4
-12.5°	277086.1	293779.6	303890.6	307215.3	303890.6	293779.6	277086.1	251843.7	220531.9	184813.6	151569.5
-15°	237177.5	254964.4	266163.6	269994.7	266163.6	254964.4	237177.5	213551.9	184813.6	156361.6	129051.1
-17.5°	193422.5	209349.0	219257.3	222623.9	219257.3	209349.0	193422.5	172492.4	151569.5	129051.1	108627.0
-20°	152931.4	164323.1	171352.5	173730.1	171352.5	164323.1	152931.4	137598.3	122233.0	105411.8	88805.1



REPORT NUMBER: P1306508 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-4S-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	119685.3	127502.5	132298.2	133915.3	132298.2	127502.5	119685.3	109082.0	96906.9	83591.4	71392.0
-25°	92077.9	98159.0	101873.8	103123.6	101873.8	98159.0	92077.9	83781.6	74495.3	66710.4	58185.1
-27.5°	69985.6	73494.2	75630.7	76348.3	75630.7	73494.2	69985.6	65177.7	59169.0	53666.4	47393.2
-30°	54747.7	57202.3	58693.4	59193.5	58693.4	57202.3	54747.7	51372.3	47131.2	42636.9	37682.9
-32.5°	42475.3	44388.3	45548.1	45936.8	45548.1	44388.3	42475.3	39837.4	36511.7	32898.2	29132.8
-35°	31972.1	33410.4	34281.1	34572.6	34281.1	33410.4	31972.1	29984.4	27471.5	24533.9	21396.0
-37.5°	23059.3	24247.1	24965.1	25205.4	24965.1	24247.1	23059.3	21415.1	19331.5	16829.6	14551.8
-40°	15214.0	16062.5	16574.9	16746.3	16574.9	16062.5	15214.0	14037.6	12544.2	10746.9	9415.5
-42.5°	9457.1	9840.5	10071.9	10149.2	10071.9	9840.5	9457.1	8924.8	8248.0	7432.0	6751.1
-45°	6673.5	6798.0	6873.0	6898.1	6873.0	6798.0	6673.5	6500.5	6280.3	6014.3	5722.8
-47.5°	5629.3	5694.9	5734.4	5747.6	5734.4	5694.9	5629.3	5538.1	5421.8	5281.2	5117.2
-50°	4966.2	5033.1	5073.4	5086.8	5073.4	5033.1	4966.2	4873.2	4754.5	4610.8	4442.8
-52.5°	4274.9	4317.6	4343.2	4351.8	4343.2	4317.6	4274.9	4215.6	4139.7	4047.9	3940.4
-55°	3775.2	3810.9	3832.4	3839.6	3832.4	3810.9	3775.2	3725.4	3661.8	3584.6	3494.2
-57.5°	3303.1	3339.9	3362.0	3369.4	3362.0	3339.9	3303.1	3251.8	3186.2	3106.6	3013.3
-60°	2773.3	2809.0	2830.4	2837.6	2830.4	2809.0	2773.3	2723.5	2659.9	2582.5	2491.8
-62.5°	2212.4	2243.6	2262.4	2268.7	2262.4	2243.6	2212.4	2168.8	2113.0	2045.2	1965.6
-65°	1671.5	1696.5	1711.5	1716.5	1711.5	1696.5	1671.5	1636.6	1592.0	1537.7	1474.0
-67.5°	1190.2	1208.9	1220.1	1223.8	1220.1	1208.9	1190.2	1164.2	1130.9	1090.4	1042.8
-70°	786.7	799.8	807.7	810.3	807.7	799.8	786.7	768.5	745.1	716.6	683.1
-72.5°	466.6	474.0	478.4	479.9	478.4	474.0	466.6	456.3	443.1	427.1	408.2
-75°	257.6	261.6	264.1	264.9	264.1	261.6	257.6	251.9	244.6	235.7	225.2
-77.5°	121.9	123.7	124.7	125.1	124.7	123.7	121.9	119.4	116.2	112.2	107.6
-80°	50.0	50.5	50.7	50.8	50.7	50.5	50.0	49.4	48.6	47.7	46.6
-82.5°	27.8	28.1	28.2	28.3	28.2	28.1	27.8	27.5	27.0	26.5	25.9
-85°	10.7	10.7	10.8	10.8	10.8	10.7	10.7	10.6	10.4	10.3	10.1
-87.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8
-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):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.7	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.1
85°	9.8	9.6	9.3	9.0	8.7	8.3	7.9	7.5	7.1	6.6	6.2
82.5°	25.1	24.3	23.4	22.3	21.2	20.0	18.8	17.4	16.0	14.5	12.9
80°	45.3	43.9	42.3	40.5	38.6	36.6	34.4	32.1	29.6	27.3	25.2
77.5°	102.4	96.4	89.8	82.6	74.7	66.2	57.1	49.8	46.7	43.4	40.0
75°	213.2	199.7	184.7	168.3	150.4	131.2	117.4	105.8	93.5	80.5	67.0
72.5°	386.5	362.1	335.0	305.3	273.1	247.6	223.5	197.9	170.8	142.4	118.5
70°	644.7	601.5	553.6	501.1	456.6	416.7	374.1	328.9	281.1	242.8	208.7
67.5°	988.3	926.9	858.8	789.6	725.0	655.6	581.5	502.9	440.9	384.3	325.1
65°	1401.0	1318.9	1227.9	1143.8	1053.3	956.1	852.4	756.1	663.5	566.5	470.2
62.5°	1874.5	1772.2	1665.1	1554.5	1434.9	1306.4	1178.3	1056.7	928.6	797.5	685.6
60°	2388.0	2271.5	2146.4	2009.8	1862.0	1705.0	1554.5	1395.4	1227.9	1080.2	926.9
57.5°	2906.6	2783.5	2642.1	2487.8	2321.2	2146.4	1962.2	1767.5	1579.5	1388.8	1195.6
55°	3391.0	3263.0	3118.7	2961.4	2788.4	2594.2	2388.0	2173.3	1951.7	1720.2	1505.1
52.5°	3819.5	3693.6	3554.7	3403.7	3224.0	3027.4	2817.6	2582.5	2336.3	2085.0	1826.2
50°	4281.8	4132.8	3968.9	3794.7	3618.8	3431.1	3214.5	2978.2	2723.5	2448.1	2165.8
47.5°	4912.9	4681.3	4426.9	4211.8	4005.2	3789.8	3576.5	3350.4	3085.8	2809.0	2504.5
45°	5520.6	5295.5	5044.4	4747.1	4428.6	4169.5	3920.8	3674.8	3425.4	3140.0	2837.6
42.5°	6370.4	5947.3	5596.5	5309.3	4992.8	4630.7	4280.7	4003.0	3724.4	3449.8	3140.0
40°	8252.9	6964.1	6423.7	5887.4	5499.3	5151.9	4753.5	4336.8	4030.5	3724.4	3425.4
37.5°	12003.7	9675.0	8164.5	6771.9	6160.9	5615.0	5227.5	4794.7	4336.8	4003.0	3674.8
35°	17868.1	14589.6	11301.3	8981.2	7140.8	6299.2	5653.8	5227.5	4753.5	4280.7	3920.8
32.5°	24943.0	20761.5	16353.6	12592.3	9394.7	7342.2	6299.2	5615.0	5151.9	4630.7	4169.5
30°	32581.7	27603.2	22532.6	17389.8	13026.5	9394.7	7140.8	6160.9	5499.3	4992.8	4428.6
27.5°	41217.4	34726.6	28969.6	23129.1	17389.8	12592.3	8981.2	6771.9	5887.4	5309.3	4747.1
25°	50665.0	43019.0	35593.4	28969.6	22532.6	16353.6	11301.3	8164.5	6423.7	5596.5	5044.4
22.5°	60880.4	51771.3	43019.0	34726.6	27603.2	20761.5	14589.6	9675.0	6964.1	5947.3	5295.5
20°	72979.8	60880.4	50665.0	41217.4	32581.7	24943.0	17868.1	12003.7	8252.9	6370.4	5520.6
17.5°	88805.1	71392.0	58185.1	47393.2	37682.9	29132.8	21396.0	14551.8	9415.5	6751.1	5722.8
15°	105411.8	83591.4	66710.4	53666.4	42636.9	32898.2	24533.9	16829.6	10746.9	7432.0	6014.3
12.5°	122233.0	96906.9	74495.3	59169.0	47131.2	36511.7	27471.5	19331.5	12544.2	8248.0	6280.3
10°	137598.3	109082.0	83781.6	65177.7	51372.3	39837.4	29984.4	21415.1	14037.6	8924.8	6500.5
7.5°	152931.4	119685.3	92077.9	69985.6	54747.7	42475.3	31972.1	23059.3	15214.0	9457.1	6673.5
5°	164323.1	127502.5	98159.0	73494.2	57202.3	44388.3	33410.4	24247.1	16062.5	9840.5	6798.0
2.5°	171352.5	132298.2	101873.8	75630.7	58693.4	45548.1	34281.1	24965.1	16574.9	10071.9	6873.0
0°	173730.1	133915.3	103123.6	76348.3	59193.5	45936.8	34572.6	25205.4	16746.3	10149.2	6898.1
-2.5°	171352.5	132298.2	101873.8	75630.7	58693.4	45548.1	34281.1	24965.1	16574.9	10071.9	6873.0
-5°	164323.1	127502.5	98159.0	73494.2	57202.3	44388.3	33410.4	24247.1	16062.5	9840.5	6798.0
-7.5°	152931.4	119685.3	92077.9	69985.6	54747.7	42475.3	31972.1	23059.3	15214.0	9457.1	6673.5
-10°	137598.3	109082.0	83781.6	65177.7	51372.3	39837.4	29984.4	21415.1	14037.6	8924.8	6500.5
-12.5°	122233.0	96906.9	74495.3	59169.0	47131.2	36511.7	27471.5	19331.5	12544.2	8248.0	6280.3
-15°	105411.8	83591.4	66710.4	53666.4	42636.9	32898.2	24533.9	16829.6	10746.9	7432.0	6014.3
-17.5°	88805.1	71392.0	58185.1	47393.2	37682.9	29132.8	21396.0	14551.8	9415.5	6751.1	5722.8
-20°	72979.8	60880.4	50665.0	41217.4	32581.7	24943.0	17868.1	12003.7	8252.9	6370.4	5520.6



REPORT NUMBER: P1306508 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	60880.4	51771.3	43019.0	34726.6	27603.2	20761.5	14589.6	9675.0	6964.1	5947.3	5295.5
-25°	50665.0	43019.0	35593.4	28969.6	22532.6	16353.6	11301.3	8164.5	6423.7	5596.5	5044.4
-27.5°	41217.4	34726.6	28969.6	23129.1	17389.8	12592.3	8981.2	6771.9	5887.4	5309.3	4747.1
-30°	32581.7	27603.2	22532.6	17389.8	13026.5	9394.7	7140.8	6160.9	5499.3	4992.8	4428.6
-32.5°	24943.0	20761.5	16353.6	12592.3	9394.7	7342.2	6299.2	5615.0	5151.9	4630.7	4169.5
-35°	17868.1	14589.6	11301.3	8981.2	7140.8	6299.2	5653.8	5227.5	4753.5	4280.7	3920.8
-37.5°	12003.7	9675.0	8164.5	6771.9	6160.9	5615.0	5227.5	4794.7	4336.8	4003.0	3674.8
-40°	8252.9	6964.1	6423.7	5887.4	5499.3	5151.9	4753.5	4336.8	4030.5	3724.4	3425.4
-42.5°	6370.4	5947.3	5596.5	5309.3	4992.8	4630.7	4280.7	4003.0	3724.4	3449.8	3140.0
-45°	5520.6	5295.5	5044.4	4747.1	4428.6	4169.5	3920.8	3674.8	3425.4	3140.0	2837.6
-47.5°	4912.9	4681.3	4426.9	4211.8	4005.2	3789.8	3576.5	3350.4	3085.8	2809.0	2504.5
-50°	4281.8	4132.8	3968.9	3794.7	3618.8	3431.1	3214.5	2978.2	2723.5	2448.1	2165.8
-52.5°	3819.5	3693.6	3554.7	3403.7	3224.0	3027.4	2817.6	2582.5	2336.3	2085.0	1826.2
-55°	3391.0	3263.0	3118.7	2961.4	2788.4	2594.2	2388.0	2173.3	1951.7	1720.2	1505.1
-57.5°	2906.6	2783.5	2642.1	2487.8	2321.2	2146.4	1962.2	1767.5	1579.5	1388.8	1195.6
-60°	2388.0	2271.5	2146.4	2009.8	1862.0	1705.0	1554.5	1395.4	1227.9	1080.2	926.9
-62.5°	1874.5	1772.2	1665.1	1554.5	1434.9	1306.4	1178.3	1056.7	928.6	797.5	685.6
-65°	1401.0	1318.9	1227.9	1143.8	1053.3	956.1	852.4	756.1	663.5	566.5	470.2
-67.5°	988.3	926.9	858.8	789.6	725.0	655.6	581.5	502.9	440.9	384.3	325.1
-70°	644.7	601.5	553.6	501.1	456.6	416.7	374.1	328.9	281.1	242.8	208.7
-72.5°	386.5	362.1	335.0	305.3	273.1	247.6	223.5	197.9	170.8	142.4	118.5
-75°	213.2	199.7	184.7	168.3	150.4	131.2	117.4	105.8	93.5	80.5	67.0
-77.5°	102.4	96.4	89.8	82.6	74.7	66.2	57.1	49.8	46.7	43.4	40.0
-80°	45.3	43.9	42.3	40.5	38.6	36.6	34.4	32.1	29.6	27.3	25.2
-82.5°	25.1	24.3	23.4	22.3	21.2	20.0	18.8	17.4	16.0	14.5	12.9
-85°	9.8	9.6	9.3	9.0	8.7	8.3	7.9	7.5	7.1	6.6	6.2
-87.5°	2.7	2.7	2.6	2.6	2.5	2.4	2.4	2.3	2.2	2.1	2.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1306508 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-70-4S-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°	2.0	1.9	1.8	1.7	1.6	1.4	1.3	1.2	1.1	1.0	0.9
85°	5.7	5.1	4.6	4.1	3.5	2.9	2.7	2.4	2.2	2.0	1.7
82.5°	11.2	10.2	9.4	8.6	7.7	6.8	5.9	5.0	4.0	3.1	2.6
80°	23.0	20.7	18.3	15.8	13.3	10.7	9.5	8.3	7.0	5.8	4.5
77.5°	36.5	32.8	28.9	25.7	22.5	19.3	16.0	12.5	10.0	8.4	6.8
75°	52.9	47.0	42.4	37.6	32.7	27.8	23.8	19.8	15.6	11.3	9.1
72.5°	102.0	84.8	67.1	50.2	44.5	38.6	32.6	26.9	22.1	17.1	12.1
70°	173.2	136.3	110.8	89.8	68.3	49.4	42.6	35.6	28.5	22.8	17.1
67.5°	264.0	222.4	179.4	135.1	106.2	81.4	56.1	44.6	36.6	28.5	22.1
65°	401.6	330.5	259.8	210.6	160.0	116.2	88.0	59.4	44.6	35.6	26.9
62.5°	569.4	459.8	378.9	295.7	229.4	172.6	119.5	88.0	56.1	42.6	32.6
60°	776.3	644.7	509.1	408.2	315.1	235.7	172.6	116.2	81.4	49.4	38.6
57.5°	1022.7	844.1	690.3	539.3	417.9	315.1	229.4	160.0	106.2	68.3	44.5
55°	1282.8	1080.7	882.5	705.6	539.3	408.2	295.7	210.6	135.1	89.8	50.2
52.5°	1575.6	1329.4	1100.1	882.5	690.3	509.1	378.9	259.8	179.4	110.8	67.1
50°	1879.6	1599.1	1329.4	1080.7	844.1	644.7	459.8	330.5	222.4	136.3	84.8
47.5°	2192.8	1879.6	1575.6	1282.8	1022.7	776.3	569.4	401.6	264.0	173.2	102.0
45°	2504.5	2165.8	1826.2	1505.1	1195.6	926.9	685.6	470.2	325.1	208.7	118.5
42.5°	2809.0	2448.1	2085.0	1720.2	1388.8	1080.2	797.5	566.5	384.3	242.8	142.4
40°	3085.8	2723.5	2336.3	1951.7	1579.5	1227.9	928.6	663.5	440.9	281.1	170.8
37.5°	3350.4	2978.2	2582.5	2173.3	1767.5	1395.4	1056.7	756.1	502.9	328.9	197.9
35°	3576.5	3214.5	2817.6	2388.0	1962.2	1554.5	1178.3	852.4	581.5	374.1	223.5
32.5°	3789.8	3431.1	3027.4	2594.2	2146.4	1705.0	1306.4	956.1	655.6	416.7	247.6
30°	4005.2	3618.8	3224.0	2788.4	2321.2	1862.0	1434.9	1053.3	725.0	456.6	273.1
27.5°	4211.8	3794.7	3403.7	2961.4	2487.8	2009.8	1554.5	1143.8	789.6	501.1	305.3
25°	4426.9	3968.9	3554.7	3118.7	2642.1	2146.4	1665.1	1227.9	858.8	553.6	335.0
22.5°	4681.3	4132.8	3693.6	3263.0	2783.5	2271.5	1772.2	1318.9	926.9	601.5	362.1
20°	4912.9	4281.8	3819.5	3391.0	2906.6	2388.0	1874.5	1401.0	988.3	644.7	386.5
17.5°	5117.2	4442.8	3940.4	3494.2	3013.3	2491.8	1965.6	1474.0	1042.8	683.1	408.2
15°	5281.2	4610.8	4047.9	3584.6	3106.6	2582.5	2045.2	1537.7	1090.4	716.6	427.1
12.5°	5421.8	4754.5	4139.7	3661.8	3186.2	2659.9	2113.0	1592.0	1130.9	745.1	443.1
10°	5538.1	4873.2	4215.6	3725.4	3251.8	2723.5	2168.8	1636.6	1164.2	768.5	456.3
7.5°	5629.3	4966.2	4274.9	3775.2	3303.1	2773.3	2212.4	1671.5	1190.2	786.7	466.6
5°	5694.9	5033.1	4317.6	3810.9	3339.9	2809.0	2243.6	1696.5	1208.9	799.8	474.0
2.5°	5734.4	5073.4	4343.2	3832.4	3362.0	2830.4	2262.4	1711.5	1220.1	807.7	478.4
0°	5747.6	5086.8	4351.8	3839.6	3369.4	2837.6	2268.7	1716.5	1223.8	810.3	479.9
-2.5°	5734.4	5073.4	4343.2	3832.4	3362.0	2830.4	2262.4	1711.5	1220.1	807.7	478.4
-5°	5694.9	5033.1	4317.6	3810.9	3339.9	2809.0	2243.6	1696.5	1208.9	799.8	474.0
-7.5°	5629.3	4966.2	4274.9	3775.2	3303.1	2773.3	2212.4	1671.5	1190.2	786.7	466.6
-10°	5538.1	4873.2	4215.6	3725.4	3251.8	2723.5	2168.8	1636.6	1164.2	768.5	456.3
-12.5°	5421.8	4754.5	4139.7	3661.8	3186.2	2659.9	2113.0	1592.0	1130.9	745.1	443.1
-15°	5281.2	4610.8	4047.9	3584.6	3106.6	2582.5	2045.2	1537.7	1090.4	716.6	427.1
-17.5°	5117.2	4442.8	3940.4	3494.2	3013.3	2491.8	1965.6	1474.0	1042.8	683.1	408.2
-20°	4912.9	4281.8	3819.5	3391.0	2906.6	2388.0	1874.5	1401.0	988.3	644.7	386.5



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4681.3	4132.8	3693.6	3263.0	2783.5	2271.5	1772.2	1318.9	926.9	601.5	362.1
-25°	4426.9	3968.9	3554.7	3118.7	2642.1	2146.4	1665.1	1227.9	858.8	553.6	335.0
-27.5°	4211.8	3794.7	3403.7	2961.4	2487.8	2009.8	1554.5	1143.8	789.6	501.1	305.3
-30°	4005.2	3618.8	3224.0	2788.4	2321.2	1862.0	1434.9	1053.3	725.0	456.6	273.1
-32.5°	3789.8	3431.1	3027.4	2594.2	2146.4	1705.0	1306.4	956.1	655.6	416.7	247.6
-35°	3576.5	3214.5	2817.6	2388.0	1962.2	1554.5	1178.3	852.4	581.5	374.1	223.5
-37.5°	3350.4	2978.2	2582.5	2173.3	1767.5	1395.4	1056.7	756.1	502.9	328.9	197.9
-40°	3085.8	2723.5	2336.3	1951.7	1579.5	1227.9	928.6	663.5	440.9	281.1	170.8
-42.5°	2809.0	2448.1	2085.0	1720.2	1388.8	1080.2	797.5	566.5	384.3	242.8	142.4
-45°	2504.5	2165.8	1826.2	1505.1	1195.6	926.9	685.6	470.2	325.1	208.7	118.5
-47.5°	2192.8	1879.6	1575.6	1282.8	1022.7	776.3	569.4	401.6	264.0	173.2	102.0
-50°	1879.6	1599.1	1329.4	1080.7	844.1	644.7	459.8	330.5	222.4	136.3	84.8
-52.5°	1575.6	1329.4	1100.1	882.5	690.3	509.1	378.9	259.8	179.4	110.8	67.1
-55°	1282.8	1080.7	882.5	705.6	539.3	408.2	295.7	210.6	135.1	89.8	50.2
-57.5°	1022.7	844.1	690.3	539.3	417.9	315.1	229.4	160.0	106.2	68.3	44.5
-60°	776.3	644.7	509.1	408.2	315.1	235.7	172.6	116.2	81.4	49.4	38.6
-62.5°	569.4	459.8	378.9	295.7	229.4	172.6	119.5	88.0	56.1	42.6	32.6
-65°	401.6	330.5	259.8	210.6	160.0	116.2	88.0	59.4	44.6	35.6	26.9
-67.5°	264.0	222.4	179.4	135.1	106.2	81.4	56.1	44.6	36.6	28.5	22.1
-70°	173.2	136.3	110.8	89.8	68.3	49.4	42.6	35.6	28.5	22.8	17.1
-72.5°	102.0	84.8	67.1	50.2	44.5	38.6	32.6	26.9	22.1	17.1	12.1
-75°	52.9	47.0	42.4	37.6	32.7	27.8	23.8	19.8	15.6	11.3	9.1
-77.5°	36.5	32.8	28.9	25.7	22.5	19.3	16.0	12.5	10.0	8.4	6.8
-80°	23.0	20.7	18.3	15.8	13.3	10.7	9.5	8.3	7.0	5.8	4.5
-82.5°	11.2	10.2	9.4	8.6	7.7	6.8	5.9	5.0	4.0	3.1	2.6
-85°	5.7	5.1	4.6	4.1	3.5	2.9	2.7	2.4	2.2	2.0	1.7
-87.5°	2.0	1.9	1.8	1.7	1.6	1.4	1.3	1.2	1.1	1.0	0.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.8	0.6	0.5	0.4	0.3	0.1	0.0
85°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
82.5°	2.2	1.9	1.5	1.1	0.8	0.4	0.0
80°	3.1	2.5	2.0	1.5	1.0	0.5	0.0
77.5°	5.1	3.5	2.5	1.9	1.3	0.6	0.0
75°	7.1	5.1	3.1	2.2	1.5	0.8	0.0
72.5°	9.1	6.8	4.5	2.6	1.7	0.9	0.0
70°	11.3	8.4	5.8	3.1	2.0	1.0	0.0
67.5°	15.6	10.0	7.0	4.0	2.2	1.1	0.0
65°	19.8	12.5	8.3	5.0	2.4	1.2	0.0
62.5°	23.8	16.0	9.5	5.9	2.7	1.3	0.0
60°	27.8	19.3	10.7	6.8	2.9	1.4	0.0
57.5°	32.7	22.5	13.3	7.7	3.5	1.6	0.0
55°	37.6	25.7	15.8	8.6	4.1	1.7	0.0
52.5°	42.4	28.9	18.3	9.4	4.6	1.8	0.0
50°	47.0	32.8	20.7	10.2	5.1	1.9	0.0
47.5°	52.9	36.5	23.0	11.2	5.7	2.0	0.0
45°	67.0	40.0	25.2	12.9	6.2	2.1	0.0
42.5°	80.5	43.4	27.3	14.5	6.6	2.1	0.0
40°	93.5	46.7	29.6	16.0	7.1	2.2	0.0
37.5°	105.8	49.8	32.1	17.4	7.5	2.3	0.0
35°	117.4	57.1	34.4	18.8	7.9	2.4	0.0
32.5°	131.2	66.2	36.6	20.0	8.3	2.4	0.0
30°	150.4	74.7	38.6	21.2	8.7	2.5	0.0
27.5°	168.3	82.6	40.5	22.3	9.0	2.6	0.0
25°	184.7	89.8	42.3	23.4	9.3	2.6	0.0
22.5°	199.7	96.4	43.9	24.3	9.6	2.7	0.0
20°	213.2	102.4	45.3	25.1	9.8	2.7	0.0
17.5°	225.2	107.6	46.6	25.9	10.1	2.8	0.0
15°	235.7	112.2	47.7	26.5	10.3	2.8	0.0
12.5°	244.6	116.2	48.6	27.0	10.4	2.8	0.0
10°	251.9	119.4	49.4	27.5	10.6	2.9	0.0
7.5°	257.6	121.9	50.0	27.8	10.7	2.9	0.0
5°	261.6	123.7	50.5	28.1	10.7	2.9	0.0
2.5°	264.1	124.7	50.7	28.2	10.8	2.9	0.0
0°	264.9	125.1	50.8	28.3	10.8	2.9	0.0
-2.5°	264.1	124.7	50.7	28.2	10.8	2.9	0.0
-5°	261.6	123.7	50.5	28.1	10.7	2.9	0.0
-7.5°	257.6	121.9	50.0	27.8	10.7	2.9	0.0
-10°	251.9	119.4	49.4	27.5	10.6	2.9	0.0
-12.5°	244.6	116.2	48.6	27.0	10.4	2.8	0.0
-15°	235.7	112.2	47.7	26.5	10.3	2.8	0.0
-17.5°	225.2	107.6	46.6	25.9	10.1	2.8	0.0
-20°	213.2	102.4	45.3	25.1	9.8	2.7	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	199.7	96.4	43.9	24.3	9.6	2.7	0.0
-25°	184.7	89.8	42.3	23.4	9.3	2.6	0.0
-27.5°	168.3	82.6	40.5	22.3	9.0	2.6	0.0
-30°	150.4	74.7	38.6	21.2	8.7	2.5	0.0
-32.5°	131.2	66.2	36.6	20.0	8.3	2.4	0.0
-35°	117.4	57.1	34.4	18.8	7.9	2.4	0.0
-37.5°	105.8	49.8	32.1	17.4	7.5	2.3	0.0
-40°	93.5	46.7	29.6	16.0	7.1	2.2	0.0
-42.5°	80.5	43.4	27.3	14.5	6.6	2.1	0.0
-45°	67.0	40.0	25.2	12.9	6.2	2.1	0.0
-47.5°	52.9	36.5	23.0	11.2	5.7	2.0	0.0
-50°	47.0	32.8	20.7	10.2	5.1	1.9	0.0
-52.5°	42.4	28.9	18.3	9.4	4.6	1.8	0.0
-55°	37.6	25.7	15.8	8.6	4.1	1.7	0.0
-57.5°	32.7	22.5	13.3	7.7	3.5	1.6	0.0
-60°	27.8	19.3	10.7	6.8	2.9	1.4	0.0
-62.5°	23.8	16.0	9.5	5.9	2.7	1.3	0.0
-65°	19.8	12.5	8.3	5.0	2.4	1.2	0.0
-67.5°	15.6	10.0	7.0	4.0	2.2	1.1	0.0
-70°	11.3	8.4	5.8	3.1	2.0	1.0	0.0
-72.5°	9.1	6.8	4.5	2.6	1.7	0.9	0.0
-75°	7.1	5.1	3.1	2.2	1.5	0.8	0.0
-77.5°	5.1	3.5	2.5	1.9	1.3	0.6	0.0
-80°	3.1	2.5	2.0	1.5	1.0	0.5	0.0
-82.5°	2.2	1.9	1.5	1.1	0.8	0.4	0.0
-85°	1.5	1.3	1.0	0.8	0.5	0.3	0.0
-87.5°	0.8	0.6	0.5	0.4	0.3	0.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)