

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: P1306519 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS16-1200R-40-80-3S-A**

Issue Date: 2/3/2026

Test Information

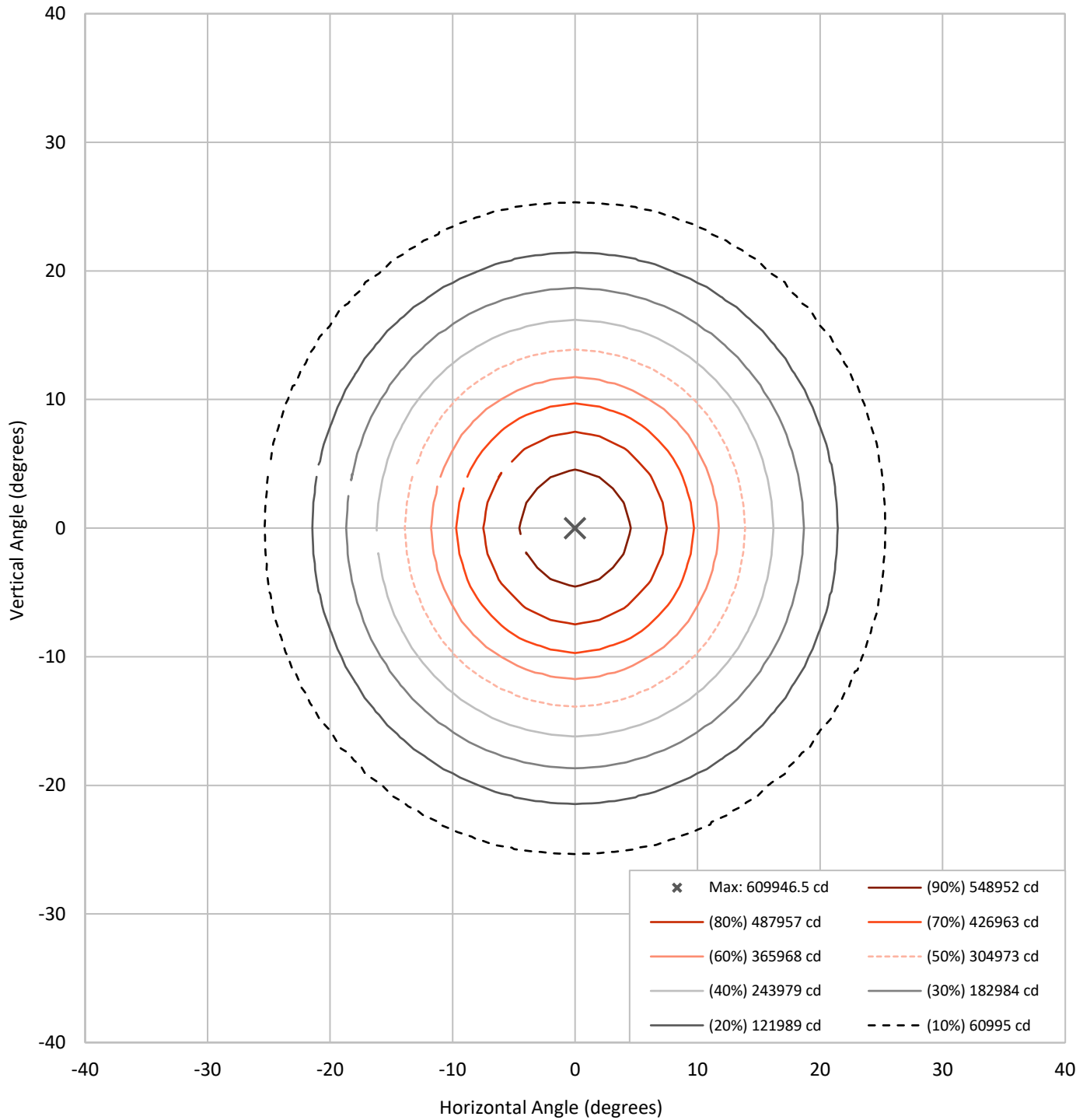
Test Method: LM-79-08
Report Number: P1306519 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-11)
Test Lab: INNOVATION CENTER
Issue Date: 2/3/2026
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS16-1200R-40-80-3S-A
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 4000K, 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:	177930.8 lumens	Max Intensity:	609946.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	145.5 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:	78218.9 lumens	Field Lumens:	145532.9 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



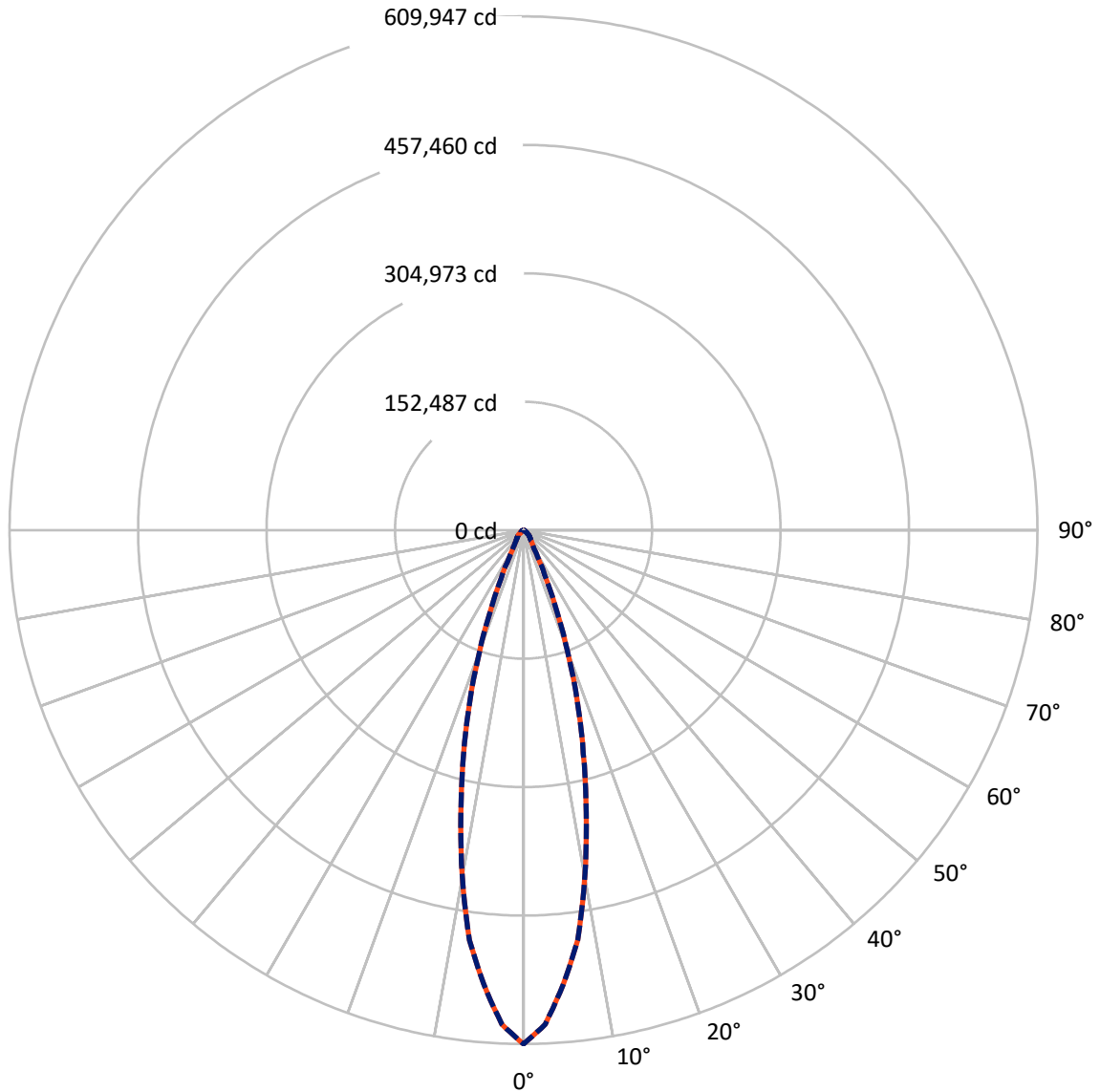
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Lumen Table

90																
80	0.3	2.2		8.3		19.9		25.8		19.9		8.3		2.2		0.3
70																
60	1.0	1.2	5.0	13.6	25.7	38.7	49.5	55.6	55.6	49.5	38.7	25.7	13.6	5.0	1.2	1.0
50		3.7	15.3	35.5	61.4	88.8	111.4	124.1	124.1	111.4	88.8	61.4	35.5	15.3	3.7	
40	2.7	8.3	29.0	62.7	106.3	167.4	235.2	274.6	274.6	235.2	167.4	106.3	62.7	29.0	8.3	2.7
30		13.7	43.4	92.0	185.2	303.8	411.9	500.0	500.0	411.9	303.8	185.2	92.0	43.4	13.7	
20	5.8	18.6	56.9	131.7	275.1	476.8	1055.6	1977.4	1977.4	1055.6	476.8	275.1	131.7	56.9	18.6	5.8
10		22.3	66.9	173.9	350.8	995.8	3892.0	7588.1	7588.1	3892.0	995.8	350.8	173.9	66.9	22.3	
0	7.1	24.3	72.3	196.8	413.8	1817.6	7380.2	14376.0	14376.0	7380.2	1817.6	413.8	196.8	72.3	24.3	7.1
-10		24.3	72.3	196.8	413.8	1817.6	7380.2	14376.0	14376.0	7380.2	1817.6	413.8	196.8	72.3	24.3	
-20	5.8	22.3	66.9	173.9	350.8	995.8	3892.0	7588.1	7588.1	3892.0	995.8	350.8	173.9	66.9	22.3	5.8
-30		18.6	56.9	131.7	275.1	476.8	1055.6	1977.4	1977.4	1055.6	476.8	275.1	131.7	56.9	18.6	
-40	2.7	13.7	43.4	92.0	185.2	303.8	411.9	500.0	500.0	411.9	303.8	185.2	92.0	43.4	13.7	2.7
-50		8.3	29.0	62.7	106.3	167.4	235.2	274.6	274.6	235.2	167.4	106.3	62.7	29.0	8.3	
-60	1.0	3.7	15.3	35.5	61.4	88.8	111.4	124.1	124.1	111.4	88.8	61.4	35.5	15.3	3.7	1.0
-70		1.2	5.0	13.6	25.7	38.7	49.5	55.6	55.6	49.5	38.7	25.7	13.6	5.0	1.2	
-80																
-90	0.3	2.2		8.3		19.9		25.8		19.9		8.3		2.2		0.3

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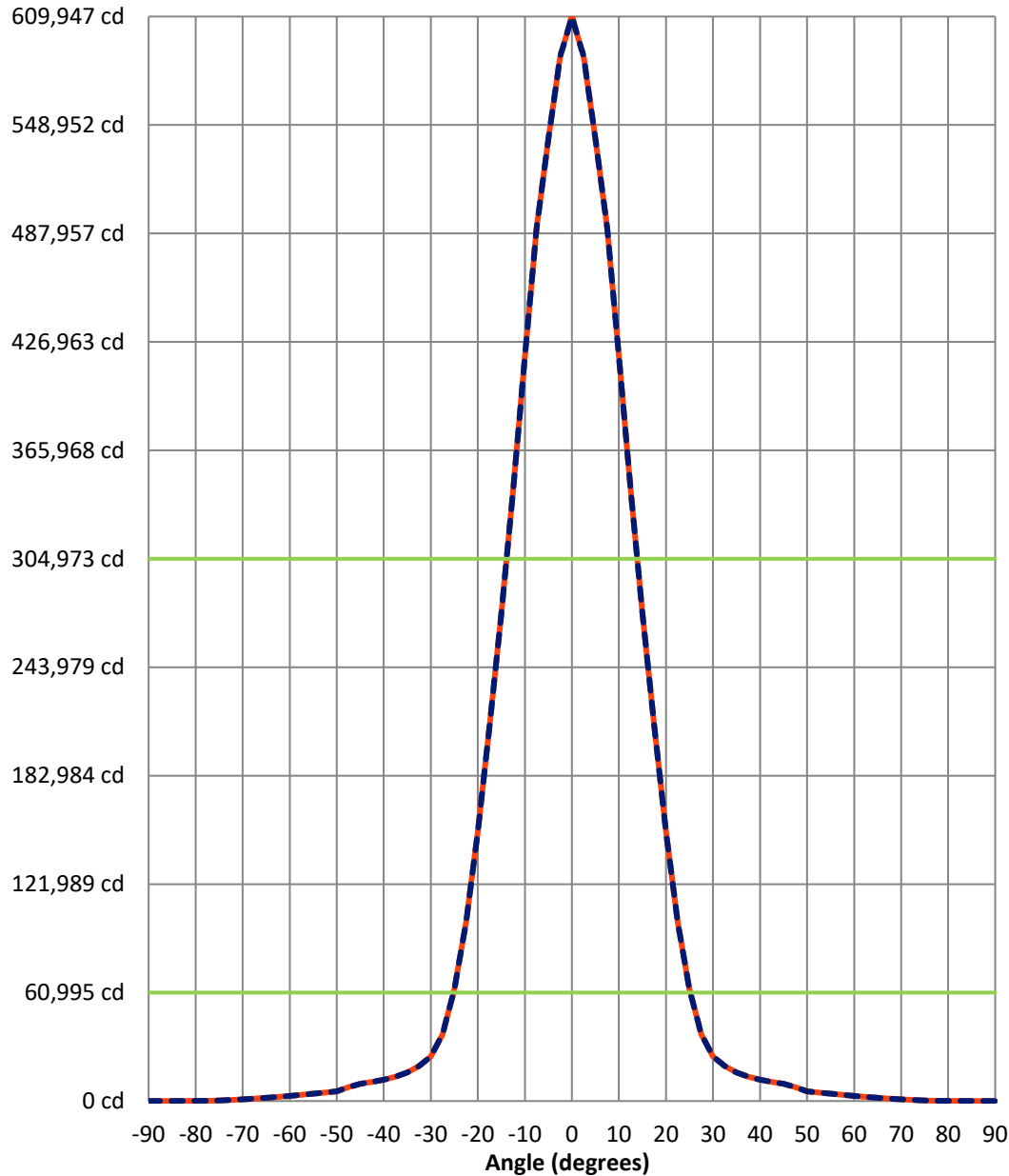
Luminous Intensity Polar Plot



— 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: 78218.9
 Efficiency: 44.0%

Field:
 H Angle: 50.4°
 V Angle: 50.4°
 Lumens: 145532.9
 Efficiency: 81.8%

Spill:
 Lumens: 32397.9
 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	0.8	1.7	2.5	3.3	4.1	4.9	5.7	6.5	7.3	8.1
85°	0.0	1.7	3.3	5.0	6.6	8.3	9.9	11.5	13.1	14.6	16.1
82.5°	0.0	2.5	5.0	7.5	9.9	12.4	14.8	17.2	19.4	21.1	22.7
80°	0.0	3.3	6.6	9.9	13.2	16.5	19.5	21.8	24.1	26.3	28.5
77.5°	0.0	4.1	8.3	12.4	16.5	20.1	23.0	25.8	28.7	31.4	34.6
75°	0.0	4.9	9.9	14.8	19.5	23.0	26.4	29.9	33.4	37.8	42.2
72.5°	0.0	5.7	11.5	17.2	21.8	25.8	29.9	34.2	39.4	44.6	49.6
70°	0.0	6.5	13.1	19.4	24.1	28.7	33.4	39.4	45.4	51.3	58.2
67.5°	0.0	7.3	14.6	21.1	26.3	31.4	37.8	44.6	51.3	59.1	66.9
65°	0.0	8.1	16.1	22.7	28.5	34.6	42.2	49.6	58.2	66.9	80.6
62.5°	0.0	8.8	17.6	24.3	30.6	38.2	46.4	55.3	64.9	77.6	106.3
60°	0.0	9.5	19.1	25.9	32.7	41.7	50.6	61.1	71.6	100.4	131.5
57.5°	0.0	10.3	20.1	27.4	35.4	45.1	55.4	66.8	88.6	122.6	185.1
55°	0.0	11.0	21.1	28.9	38.0	48.4	60.1	72.3	107.9	152.6	251.0
52.5°	0.0	11.6	22.1	30.4	40.6	51.7	64.7	87.5	126.6	210.3	315.1
50°	0.0	12.3	23.0	31.8	43.1	55.4	69.2	103.4	154.1	266.4	409.7
47.5°	0.0	12.9	23.9	33.2	45.5	59.0	74.8	118.8	202.2	320.6	505.0
45°	0.0	13.5	24.8	35.0	47.8	62.5	87.4	133.5	248.5	402.5	597.0
42.5°	0.0	14.1	25.6	36.6	50.0	65.8	99.6	162.0	293.0	481.8	702.3
40°	0.0	14.6	26.4	38.2	52.4	68.9	111.1	199.1	343.6	557.7	806.0
37.5°	0.0	15.2	27.1	39.7	54.7	71.9	122.2	234.4	407.6	634.5	904.8
35°	0.0	15.6	27.8	41.1	57.0	78.6	132.6	267.8	468.2	718.4	1003.9
32.5°	0.0	16.1	28.5	42.5	59.1	86.7	147.4	299.3	525.3	797.5	1105.4
30°	0.0	16.5	29.1	43.7	61.1	94.3	172.5	332.7	578.7	871.6	1200.5
27.5°	0.0	16.9	29.7	44.9	63.0	101.4	195.8	375.9	632.5	940.5	1289.1
25°	0.0	17.3	30.2	45.9	64.7	107.9	217.3	415.7	688.6	1010.2	1371.3
22.5°	0.0	17.6	30.7	46.9	66.2	113.8	236.8	452.0	739.8	1076.8	1457.1
20°	0.0	17.9	31.1	47.8	67.6	119.1	254.4	484.7	785.9	1136.9	1534.6
17.5°	0.0	18.2	31.5	48.5	68.8	123.9	270.1	513.8	826.9	1190.3	1603.5
15°	0.0	18.4	31.9	49.2	69.9	128.0	283.7	539.1	862.6	1236.9	1663.7
12.5°	0.0	18.6	32.1	49.8	70.8	131.5	295.3	560.6	893.0	1276.5	1714.9
10°	0.0	18.8	32.4	50.3	71.6	134.4	304.8	578.3	918.0	1309.1	1757.0
7.5°	0.0	18.9	32.6	50.6	72.1	136.6	312.2	592.1	937.5	1334.6	1789.9
5°	0.0	19.0	32.7	50.9	72.6	138.2	317.5	602.0	951.5	1352.8	1813.5
2.5°	0.0	19.1	32.8	51.0	72.8	139.2	320.7	607.9	959.9	1363.7	1827.7
0°	0.0	19.1	32.8	51.1	72.9	139.5	321.8	609.9	962.7	1367.4	1832.4
-2.5°	0.0	19.1	32.8	51.0	72.8	139.2	320.7	607.9	959.9	1363.7	1827.7
-5°	0.0	19.0	32.7	50.9	72.6	138.2	317.5	602.0	951.5	1352.8	1813.5
-7.5°	0.0	18.9	32.6	50.6	72.1	136.6	312.2	592.1	937.5	1334.6	1789.9
-10°	0.0	18.8	32.4	50.3	71.6	134.4	304.8	578.3	918.0	1309.1	1757.0
-12.5°	0.0	18.6	32.1	49.8	70.8	131.5	295.3	560.6	893.0	1276.5	1714.9
-15°	0.0	18.4	31.9	49.2	69.9	128.0	283.7	539.1	862.6	1236.9	1663.7
-17.5°	0.0	18.2	31.5	48.5	68.8	123.9	270.1	513.8	826.9	1190.3	1603.5
-20°	0.0	17.9	31.1	47.8	67.6	119.1	254.4	484.7	785.9	1136.9	1534.6



REPORT NUMBER: P1306519 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-3S-A

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	17.6	30.7	46.9	66.2	113.8	236.8	452.0	739.8	1076.8	1457.1
-25°	0.0	17.3	30.2	45.9	64.7	107.9	217.3	415.7	688.6	1010.2	1371.3
-27.5°	0.0	16.9	29.7	44.9	63.0	101.4	195.8	375.9	632.5	940.5	1289.1
-30°	0.0	16.5	29.1	43.7	61.1	94.3	172.5	332.7	578.7	871.6	1200.5
-32.5°	0.0	16.1	28.5	42.5	59.1	86.7	147.4	299.3	525.3	797.5	1105.4
-35°	0.0	15.6	27.8	41.1	57.0	78.6	132.6	267.8	468.2	718.4	1003.9
-37.5°	0.0	15.2	27.1	39.7	54.7	71.9	122.2	234.4	407.6	634.5	904.8
-40°	0.0	14.6	26.4	38.2	52.4	68.9	111.1	199.1	343.6	557.7	806.0
-42.5°	0.0	14.1	25.6	36.6	50.0	65.8	99.6	162.0	293.0	481.8	702.3
-45°	0.0	13.5	24.8	35.0	47.8	62.5	87.4	133.5	248.5	402.5	597.0
-47.5°	0.0	12.9	23.9	33.2	45.5	59.0	74.8	118.8	202.2	320.6	505.0
-50°	0.0	12.3	23.0	31.8	43.1	55.4	69.2	103.4	154.1	266.4	409.7
-52.5°	0.0	11.6	22.1	30.4	40.6	51.7	64.7	87.5	126.6	210.3	315.1
-55°	0.0	11.0	21.1	28.9	38.0	48.4	60.1	72.3	107.9	152.6	251.0
-57.5°	0.0	10.3	20.1	27.4	35.4	45.1	55.4	66.8	88.6	122.6	185.1
-60°	0.0	9.5	19.1	25.9	32.7	41.7	50.6	61.1	71.6	100.4	131.5
-62.5°	0.0	8.8	17.6	24.3	30.6	38.2	46.4	55.3	64.9	77.6	106.3
-65°	0.0	8.1	16.1	22.7	28.5	34.6	42.2	49.6	58.2	66.9	80.6
-67.5°	0.0	7.3	14.6	21.1	26.3	31.4	37.8	44.6	51.3	59.1	66.9
-70°	0.0	6.5	13.1	19.4	24.1	28.7	33.4	39.4	45.4	51.3	58.2
-72.5°	0.0	5.7	11.5	17.2	21.8	25.8	29.9	34.2	39.4	44.6	49.6
-75°	0.0	4.9	9.9	14.8	19.5	23.0	26.4	29.9	33.4	37.8	42.2
-77.5°	0.0	4.1	8.3	12.4	16.5	20.1	23.0	25.8	28.7	31.4	34.6
-80°	0.0	3.3	6.6	9.9	13.2	16.5	19.5	21.8	24.1	26.3	28.5
-82.5°	0.0	2.5	5.0	7.5	9.9	12.4	14.8	17.2	19.4	21.1	22.7
-85°	0.0	1.7	3.3	5.0	6.6	8.3	9.9	11.5	13.1	14.6	16.1
-87.5°	0.0	0.8	1.7	2.5	3.3	4.1	4.9	5.7	6.5	7.3	8.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-LS16-1200R-40-80-3S-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°	8.8	9.5	10.3	11.0	11.6	12.3	12.9	13.5	14.1	14.6	15.2
85°	17.6	19.1	20.1	21.1	22.1	23.0	23.9	24.8	25.6	26.4	27.1
82.5°	24.3	25.9	27.4	28.9	30.4	31.8	33.2	35.0	36.6	38.2	39.7
80°	30.6	32.7	35.4	38.0	40.6	43.1	45.5	47.8	50.0	52.4	54.7
77.5°	38.2	41.7	45.1	48.4	51.7	55.4	59.0	62.5	65.8	68.9	71.9
75°	46.4	50.6	55.4	60.1	64.7	69.2	74.8	87.4	99.6	111.1	122.2
72.5°	55.3	61.1	66.8	72.3	87.5	103.4	118.8	133.5	162.0	199.1	234.4
70°	64.9	71.6	88.6	107.9	126.6	154.1	202.2	248.5	293.0	343.6	407.6
67.5°	77.6	100.4	122.6	152.6	210.3	266.4	320.6	402.5	481.8	557.7	634.5
65°	106.3	131.5	185.1	251.0	315.1	409.7	505.0	597.0	702.3	806.0	904.8
62.5°	134.5	201.4	275.5	363.0	474.6	582.9	705.4	829.6	949.1	1078.4	1203.8
60°	201.4	283.7	389.1	513.8	641.1	785.9	926.4	1076.8	1226.8	1371.3	1529.3
57.5°	275.5	389.1	526.9	673.4	834.6	995.8	1170.6	1339.8	1523.1	1703.1	1877.4
55°	363.0	513.8	673.4	850.9	1033.4	1227.3	1423.1	1632.9	1835.7	2039.7	2235.1
52.5°	474.6	641.1	834.6	1033.4	1246.3	1467.0	1699.4	1929.1	2157.3	2384.8	2623.9
50°	582.9	785.9	995.8	1227.3	1467.0	1721.6	1976.2	2228.5	2493.4	2760.8	3040.6
47.5°	705.4	926.4	1170.6	1423.1	1699.4	1976.2	2252.3	2548.2	2843.8	3169.9	3487.8
45°	829.6	1076.8	1339.8	1632.9	1929.1	2228.5	2548.2	2871.6	3235.1	3586.6	3924.6
42.5°	949.1	1226.8	1523.1	1835.7	2157.3	2493.4	2843.8	3235.1	3619.7	3991.8	4343.0
40°	1078.4	1371.3	1703.1	2039.7	2384.8	2760.8	3169.9	3586.6	3991.8	4375.9	4741.6
37.5°	1203.8	1529.3	1877.4	2235.1	2623.9	3040.6	3487.8	3924.6	4343.0	4741.6	5183.7
35°	1322.9	1679.5	2049.0	2435.1	2852.1	3324.6	3791.4	4244.9	4674.6	5144.3	5621.1
32.5°	1445.4	1821.6	2211.4	2635.3	3099.7	3594.3	4080.5	4541.9	5026.7	5694.2	7335.3
30°	1566.6	1960.7	2370.2	2823.9	3336.0	3848.6	4345.7	4833.1	5373.3	6925.5	8485.3
27.5°	1679.5	2090.9	2532.0	3020.3	3557.1	4087.1	4592.4	5138.2	6252.0	8035.4	9490.2
25°	1783.9	2211.4	2681.8	3209.4	3761.9	4302.3	4831.5	5422.8	7269.8	8917.6	10108.4
22.5°	1881.5	2321.9	2819.0	3382.8	3950.0	4498.1	5075.1	6203.0	8133.9	9719.3	10598.1
20°	1971.7	2435.1	2954.6	3539.9	4120.7	4676.1	5296.9	7000.8	8829.8	10137.1	11101.1
17.5°	2052.0	2535.8	3082.7	3679.8	4268.2	4846.7	5571.0	7717.3	9456.1	10514.0	11581.0
15°	2122.2	2623.9	3194.9	3802.3	4396.6	5007.6	6152.6	8244.1	9871.0	10864.4	12010.8
12.5°	2182.0	2699.0	3290.6	3906.9	4506.4	5145.2	6650.8	8681.6	10135.5	11202.9	12507.5
10°	2231.1	2760.8	3369.4	3993.1	4596.9	5258.9	7062.9	9043.9	10354.9	11484.1	12921.1
7.5°	2269.6	2809.2	3431.0	4060.6	4667.8	5348.0	7386.1	9328.4	10527.4	11705.7	13247.5
5°	2297.1	2843.8	3475.2	4109.0	4718.7	5412.0	7618.5	9533.2	10651.7	11865.5	13483.3
2.5°	2313.7	2864.6	3501.8	4138.2	4749.4	5450.5	7758.6	9656.6	10726.7	11962.0	13625.8
0°	2319.2	2871.6	3510.7	4147.9	4759.6	5463.4	7805.4	9697.9	10751.8	11994.3	13673.5
-2.5°	2313.7	2864.6	3501.8	4138.2	4749.4	5450.5	7758.6	9656.6	10726.7	11962.0	13625.8
-5°	2297.1	2843.8	3475.2	4109.0	4718.7	5412.0	7618.5	9533.2	10651.7	11865.5	13483.3
-7.5°	2269.6	2809.2	3431.0	4060.6	4667.8	5348.0	7386.1	9328.4	10527.4	11705.7	13247.5
-10°	2231.1	2760.8	3369.4	3993.1	4596.9	5258.9	7062.9	9043.9	10354.9	11484.1	12921.1
-12.5°	2182.0	2699.0	3290.6	3906.9	4506.4	5145.2	6650.8	8681.6	10135.5	11202.9	12507.5
-15°	2122.2	2623.9	3194.9	3802.3	4396.6	5007.6	6152.6	8244.1	9871.0	10864.4	12010.8
-17.5°	2052.0	2535.8	3082.7	3679.8	4268.2	4846.7	5571.0	7717.3	9456.1	10514.0	11581.0
-20°	1971.7	2435.1	2954.6	3539.9	4120.7	4676.1	5296.9	7000.8	8829.8	10137.1	11101.1



REPORT NUMBER: P1306519 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-3S-A

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1881.5	2321.9	2819.0	3382.8	3950.0	4498.1	5075.1	6203.0	8133.9	9719.3	10598.1
-25°	1783.9	2211.4	2681.8	3209.4	3761.9	4302.3	4831.5	5422.8	7269.8	8917.6	10108.4
-27.5°	1679.5	2090.9	2532.0	3020.3	3557.1	4087.1	4592.4	5138.2	6252.0	8035.4	9490.2
-30°	1566.6	1960.7	2370.2	2823.9	3336.0	3848.6	4345.7	4833.1	5373.3	6925.5	8485.3
-32.5°	1445.4	1821.6	2211.4	2635.3	3099.7	3594.3	4080.5	4541.9	5026.7	5694.2	7335.3
-35°	1322.9	1679.5	2049.0	2435.1	2852.1	3324.6	3791.4	4244.9	4674.6	5144.3	5962.1
-37.5°	1203.8	1529.3	1877.4	2235.1	2623.9	3040.6	3487.8	3924.6	4343.0	4741.6	5183.7
-40°	1078.4	1371.3	1703.1	2039.7	2384.8	2760.8	3169.9	3586.6	3991.8	4375.9	4741.6
-42.5°	949.1	1226.8	1523.1	1835.7	2157.3	2493.4	2843.8	3235.1	3619.7	3991.8	4343.0
-45°	829.6	1076.8	1339.8	1632.9	1929.1	2228.5	2548.2	2871.6	3235.1	3586.6	3924.6
-47.5°	705.4	926.4	1170.6	1423.1	1699.4	1976.2	2252.3	2548.2	2843.8	3169.9	3487.8
-50°	582.9	785.9	995.8	1227.3	1467.0	1721.6	1976.2	2228.5	2493.4	2760.8	3040.6
-52.5°	474.6	641.1	834.6	1033.4	1246.3	1467.0	1699.4	1929.1	2157.3	2384.8	2623.9
-55°	363.0	513.8	673.4	850.9	1033.4	1227.3	1423.1	1632.9	1835.7	2039.7	2235.1
-57.5°	275.5	389.1	526.9	673.4	834.6	995.8	1170.6	1339.8	1523.1	1703.1	1877.4
-60°	201.4	283.7	389.1	513.8	641.1	785.9	926.4	1076.8	1226.8	1371.3	1529.3
-62.5°	134.5	201.4	275.5	363.0	474.6	582.9	705.4	829.6	949.1	1078.4	1203.8
-65°	106.3	131.5	185.1	251.0	315.1	409.7	505.0	597.0	702.3	806.0	904.8
-67.5°	77.6	100.4	122.6	152.6	210.3	266.4	320.6	402.5	481.8	557.7	634.5
-70°	64.9	71.6	88.6	107.9	126.6	154.1	202.2	248.5	293.0	343.6	407.6
-72.5°	55.3	61.1	66.8	72.3	87.5	103.4	118.8	133.5	162.0	199.1	234.4
-75°	46.4	50.6	55.4	60.1	64.7	69.2	74.8	87.4	99.6	111.1	122.2
-77.5°	38.2	41.7	45.1	48.4	51.7	55.4	59.0	62.5	65.8	68.9	71.9
-80°	30.6	32.7	35.4	38.0	40.6	43.1	45.5	47.8	50.0	52.4	54.7
-82.5°	24.3	25.9	27.4	28.9	30.4	31.8	33.2	35.0	36.6	38.2	39.7
-85°	17.6	19.1	20.1	21.1	22.1	23.0	23.9	24.8	25.6	26.4	27.1
-87.5°	8.8	9.5	10.3	11.0	11.6	12.3	12.9	13.5	14.1	14.6	15.2
-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: P1306519 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-3S-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°	15.6	16.1	16.5	16.9	17.3	17.6	17.9	18.2	18.4	18.6	18.8
85°	27.8	28.5	29.1	29.7	30.2	30.7	31.1	31.5	31.9	32.1	32.4
82.5°	41.1	42.5	43.7	44.9	45.9	46.9	47.8	48.5	49.2	49.8	50.3
80°	57.0	59.1	61.1	63.0	64.7	66.2	67.6	68.8	69.9	70.8	71.6
77.5°	78.6	86.7	94.3	101.4	107.9	113.8	119.1	123.9	128.0	131.5	134.4
75°	132.6	147.4	172.5	195.8	217.3	236.8	254.4	270.1	283.7	295.3	304.8
72.5°	267.8	299.3	332.7	375.9	415.7	452.0	484.7	513.8	539.1	560.6	578.3
70°	468.2	525.3	578.7	632.5	688.6	739.8	785.9	826.9	862.6	893.0	918.0
67.5°	718.4	797.5	871.6	940.5	1010.2	1076.8	1136.9	1190.3	1236.9	1276.5	1309.1
65°	1003.9	1105.4	1200.5	1289.1	1371.3	1457.1	1534.6	1603.5	1663.7	1714.9	1757.0
62.5°	1322.9	1445.4	1566.6	1679.5	1783.9	1881.5	1971.7	2052.0	2122.2	2182.0	2231.1
60°	1679.5	1821.6	1960.7	2090.9	2211.4	2321.9	2435.1	2535.8	2623.9	2699.0	2760.8
57.5°	2049.0	2211.4	2370.2	2532.0	2681.8	2819.0	2954.6	3082.7	3194.9	3290.6	3369.4
55°	2435.1	2635.3	2823.9	3020.3	3209.4	3382.8	3539.9	3679.8	3802.3	3906.9	3993.1
52.5°	2852.1	3099.7	3336.0	3557.1	3761.9	3950.0	4120.7	4268.2	4396.6	4506.4	4596.9
50°	3324.6	3594.3	3848.6	4087.1	4302.3	4498.1	4676.1	4846.7	5007.6	5145.2	5258.9
47.5°	3791.4	4080.5	4345.7	4592.4	4831.5	5075.1	5296.9	5571.0	6152.6	6650.8	7062.9
45°	4244.9	4541.9	4833.1	5138.2	5422.8	6203.0	7000.8	7717.3	8244.1	8681.6	9043.9
42.5°	4674.6	5026.7	5373.3	6252.0	7269.8	8133.9	8829.8	9456.1	9871.0	10135.5	10354.9
40°	5144.3	5694.2	6925.5	8035.4	8917.6	9719.3	10137.1	10514.0	10864.4	11202.9	11484.1
37.5°	5962.1	7335.3	8485.3	9490.2	10108.4	10598.1	11101.1	11581.0	12010.8	12507.5	12921.1
35°	7472.9	8712.8	9776.6	10373.2	10968.8	11588.1	12217.0	12917.3	13540.2	14254.9	14899.5
32.5°	8712.8	9841.9	10507.2	11211.9	11920.3	12791.4	13621.4	14681.0	15647.0	16690.6	17743.6
30°	9776.6	10507.2	11293.7	12122.0	13142.9	14288.6	15565.8	17061.4	18630.0	20160.0	21883.1
27.5°	10373.2	11211.9	12122.0	13261.3	14639.2	16125.4	18180.5	20266.5	22815.2	25050.8	29440.6
25°	10968.8	11920.3	13142.9	14639.2	16399.8	18750.9	21595.8	24651.0	30562.4	36260.3	44596.9
22.5°	11588.1	12791.4	14288.6	16125.4	18750.9	22045.2	26295.4	33989.0	44418.3	56922.3	70089.9
20°	12217.0	13621.4	15565.8	18180.5	21595.8	26295.4	35151.2	49314.3	65575.1	86267.5	105355.2
17.5°	12917.3	14681.0	17061.4	20266.5	24651.0	33989.0	49314.3	69530.2	94654.7	123248.2	150044.4
15°	13540.2	15647.0	18630.0	22815.2	30562.4	44418.3	65575.1	94654.7	129385.5	165120.0	200099.4
12.5°	14254.9	16690.6	20160.0	25050.8	36260.3	56922.3	86267.5	123248.2	165120.0	208595.2	250046.3
10°	14899.5	17743.6	21883.1	29440.6	44596.9	70089.9	105355.2	150044.4	200099.4	250046.3	299197.6
7.5°	15409.4	18578.8	23254.5	32959.7	52387.7	83133.5	124992.5	175598.5	230518.9	286884.9	344138.6
5°	15778.4	19184.5	24251.7	35527.6	58098.1	92749.7	139581.9	194983.7	254201.4	317317.0	381485.3
2.5°	16001.8	19551.7	24857.5	37091.4	61586.6	98649.2	148584.4	207043.8	269112.5	336738.9	408728.6
0°	16076.6	19674.8	25060.7	37616.6	62760.2	100638.4	151629.5	211141.5	274213.5	343501.9	418518.9
-2.5°	16001.8	19551.7	24857.5	37091.4	61586.6	98649.2	148584.4	207043.8	269112.5	336738.9	408728.6
-5°	15778.4	19184.5	24251.7	35527.6	58098.1	92749.7	139581.9	194983.7	254201.4	317317.0	381485.3
-7.5°	15409.4	18578.8	23254.5	32959.7	52387.7	83133.5	124992.5	175598.5	230518.9	286884.9	344138.6
-10°	14899.5	17743.6	21883.1	29440.6	44596.9	70089.9	105355.2	150044.4	200099.4	250046.3	299197.6
-12.5°	14254.9	16690.6	20160.0	25050.8	36260.3	56922.3	86267.5	123248.2	165120.0	208595.2	250046.3
-15°	13540.2	15647.0	18630.0	22815.2	30562.4	44418.3	65575.1	94654.7	129385.5	165120.0	200099.4
-17.5°	12917.3	14681.0	17061.4	20266.5	24651.0	33989.0	49314.3	69530.2	94654.7	123248.2	150044.4
-20°	12217.0	13621.4	15565.8	18180.5	21595.8	26295.4	35151.2	49314.3	65575.1	86267.5	105355.2



REPORT NUMBER: P1306519 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-3S-A

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11588.1	12791.4	14288.6	16125.4	18750.9	22045.2	26295.4	33989.0	44418.3	56922.3	70089.9
-25°	10968.8	11920.3	13142.9	14639.2	16399.8	18750.9	21595.8	24651.0	30562.4	36260.3	44596.9
-27.5°	10373.2	11211.9	12122.0	13261.3	14639.2	16125.4	18180.5	20266.5	22815.2	25050.8	29440.6
-30°	9776.6	10507.2	11293.7	12122.0	13142.9	14288.6	15565.8	17061.4	18630.0	20160.0	21883.1
-32.5°	8712.8	9841.9	10507.2	11211.9	11920.3	12791.4	13621.4	14681.0	15647.0	16690.6	17743.6
-35°	7472.9	8712.8	9776.6	10373.2	10968.8	11588.1	12217.0	12917.3	13540.2	14254.9	14899.5
-37.5°	5962.1	7335.3	8485.3	9490.2	10108.4	10598.1	11101.1	11581.0	12010.8	12507.5	12921.1
-40°	5144.3	5694.2	6925.5	8035.4	8917.6	9719.3	10137.1	10514.0	10864.4	11202.9	11484.1
-42.5°	4674.6	5026.7	5373.3	6252.0	7269.8	8133.9	8829.8	9456.1	9871.0	10135.5	10354.9
-45°	4244.9	4541.9	4833.1	5138.2	5422.8	6203.0	7000.8	7717.3	8244.1	8681.6	9043.9
-47.5°	3791.4	4080.5	4345.7	4592.4	4831.5	5075.1	5296.9	5571.0	6152.6	6650.8	7062.9
-50°	3324.6	3594.3	3848.6	4087.1	4302.3	4498.1	4676.1	4846.7	5007.6	5145.2	5258.9
-52.5°	2852.1	3099.7	3336.0	3557.1	3761.9	3950.0	4120.7	4268.2	4396.6	4506.4	4596.9
-55°	2435.1	2635.3	2823.9	3020.3	3209.4	3382.8	3539.9	3679.8	3802.3	3906.9	3993.1
-57.5°	2049.0	2211.4	2370.2	2532.0	2681.8	2819.0	2954.6	3082.7	3194.9	3290.6	3369.4
-60°	1679.5	1821.6	1960.7	2090.9	2211.4	2321.9	2435.1	2535.8	2623.9	2699.0	2760.8
-62.5°	1322.9	1445.4	1566.6	1679.5	1783.9	1881.5	1971.7	2052.0	2122.2	2182.0	2231.1
-65°	1003.9	1105.4	1200.5	1289.1	1371.3	1457.1	1534.6	1603.5	1663.7	1714.9	1757.0
-67.5°	718.4	797.5	871.6	940.5	1010.2	1076.8	1136.9	1190.3	1236.9	1276.5	1309.1
-70°	468.2	525.3	578.7	632.5	688.6	739.8	785.9	826.9	862.6	893.0	918.0
-72.5°	267.8	299.3	332.7	375.9	415.7	452.0	484.7	513.8	539.1	560.6	578.3
-75°	132.6	147.4	172.5	195.8	217.3	236.8	254.4	270.1	283.7	295.3	304.8
-77.5°	78.6	86.7	94.3	101.4	107.9	113.8	119.1	123.9	128.0	131.5	134.4
-80°	57.0	59.1	61.1	63.0	64.7	66.2	67.6	68.8	69.9	70.8	71.6
-82.5°	41.1	42.5	43.7	44.9	45.9	46.9	47.8	48.5	49.2	49.8	50.3
-85°	27.8	28.5	29.1	29.7	30.2	30.7	31.1	31.5	31.9	32.1	32.4
-87.5°	15.6	16.1	16.5	16.9	17.3	17.6	17.9	18.2	18.4	18.6	18.8
-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: P1306519 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-3S-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°	18.9	19.0	19.1	19.1	19.1	19.0	18.9	18.8	18.6	18.4	18.2
85°	32.6	32.7	32.8	32.8	32.8	32.7	32.6	32.4	32.1	31.9	31.5
82.5°	50.6	50.9	51.0	51.1	51.0	50.9	50.6	50.3	49.8	49.2	48.5
80°	72.1	72.6	72.8	72.9	72.8	72.6	72.1	71.6	70.8	69.9	68.8
77.5°	136.6	138.2	139.2	139.5	139.2	138.2	136.6	134.4	131.5	128.0	123.9
75°	312.2	317.5	320.7	321.8	320.7	317.5	312.2	304.8	295.3	283.7	270.1
72.5°	592.1	602.0	607.9	609.9	607.9	602.0	592.1	578.3	560.6	539.1	513.8
70°	937.5	951.5	959.9	962.7	959.9	951.5	937.5	918.0	893.0	862.6	826.9
67.5°	1334.6	1352.8	1363.7	1367.4	1363.7	1352.8	1334.6	1309.1	1276.5	1236.9	1190.3
65°	1789.9	1813.5	1827.7	1832.4	1827.7	1813.5	1789.9	1757.0	1714.9	1663.7	1603.5
62.5°	2269.6	2297.1	2313.7	2319.2	2313.7	2297.1	2269.6	2231.1	2182.0	2122.2	2052.0
60°	2809.2	2843.8	2864.6	2871.6	2864.6	2843.8	2809.2	2760.8	2699.0	2623.9	2535.8
57.5°	3431.0	3475.2	3501.8	3510.7	3501.8	3475.2	3431.0	3369.4	3290.6	3194.9	3082.7
55°	4060.6	4109.0	4138.2	4147.9	4138.2	4109.0	4060.6	3993.1	3906.9	3802.3	3679.8
52.5°	4667.8	4718.7	4749.4	4759.6	4749.4	4718.7	4667.8	4596.9	4506.4	4396.6	4268.2
50°	5348.0	5412.0	5450.5	5463.4	5450.5	5412.0	5348.0	5258.9	5145.2	5007.6	4846.7
47.5°	7386.1	7618.5	7758.6	7805.4	7758.6	7618.5	7386.1	7062.9	6650.8	6152.6	5571.0
45°	9328.4	9533.2	9656.6	9697.9	9656.6	9533.2	9328.4	9043.9	8681.6	8244.1	7717.3
42.5°	10527.4	10651.7	10726.7	10751.8	10726.7	10651.7	10527.4	10354.9	10135.5	9871.0	9456.1
40°	11705.7	11865.5	11962.0	11994.3	11962.0	11865.5	11705.7	11484.1	11202.9	10864.4	10514.0
37.5°	13247.5	13483.3	13625.8	13673.5	13625.8	13483.3	13247.5	12921.1	12507.5	12010.8	11581.0
35°	15409.4	15778.4	16001.8	16076.6	16001.8	15778.4	15409.4	14899.5	14254.9	13540.2	12917.3
32.5°	18578.8	19184.5	19551.7	19674.8	19551.7	19184.5	18578.8	17743.6	16690.6	15647.0	14681.0
30°	23254.5	24251.7	24857.5	25060.7	24857.5	24251.7	23254.5	21883.1	20160.0	18630.0	17061.4
27.5°	32959.7	35527.6	37091.4	37616.6	37091.4	35527.6	32959.7	29440.6	25050.8	22815.2	20266.5
25°	52387.7	58098.1	61586.6	62760.2	61586.6	58098.1	52387.7	44596.9	36260.3	30562.4	24651.0
22.5°	83133.5	92749.7	98649.2	100638.4	98649.2	92749.7	83133.5	70089.9	56922.3	44418.3	33989.0
20°	124992.5	139581.9	148584.4	151629.5	148584.4	139581.9	124992.5	105355.2	86267.5	65575.1	49314.3
17.5°	175598.5	194983.7	207043.8	211141.5	207043.8	194983.7	175598.5	150044.4	123248.2	94654.7	69530.2
15°	230518.9	254201.4	269112.5	274213.5	269112.5	254201.4	230518.9	200099.4	165120.0	129385.5	94654.7
12.5°	286884.9	317317.0	336738.9	343501.9	336738.9	317317.0	286884.9	250046.3	208595.2	165120.0	123248.2
10°	344138.6	381485.3	408728.6	418518.9	408728.6	381485.3	344138.6	299197.6	250046.3	200099.4	150044.4
7.5°	399515.0	451302.1	482186.6	491073.7	482186.6	451302.1	399515.0	344138.6	286884.9	230518.9	175598.5
5°	451302.1	500621.5	529874.1	541113.0	529874.1	500621.5	451302.1	381485.3	317317.0	254201.4	194983.7
2.5°	482186.6	529874.1	569025.6	587273.4	569025.6	529874.1	482186.6	408728.6	336738.9	269112.5	207043.8
0°	491073.7	541113.0	587273.4	609946.5	587273.4	541113.0	491073.7	418518.9	343501.9	274213.5	211141.5
-2.5°	482186.6	529874.1	569025.6	587273.4	569025.6	529874.1	482186.6	408728.6	336738.9	269112.5	207043.8
-5°	451302.1	500621.5	529874.1	541113.0	529874.1	500621.5	451302.1	381485.3	317317.0	254201.4	194983.7
-7.5°	399515.0	451302.1	482186.6	491073.7	482186.6	451302.1	399515.0	344138.6	286884.9	230518.9	175598.5
-10°	344138.6	381485.3	408728.6	418518.9	408728.6	381485.3	344138.6	299197.6	250046.3	200099.4	150044.4
-12.5°	286884.9	317317.0	336738.9	343501.9	336738.9	317317.0	286884.9	250046.3	208595.2	165120.0	123248.2
-15°	230518.9	254201.4	269112.5	274213.5	269112.5	254201.4	230518.9	200099.4	165120.0	129385.5	94654.7
-17.5°	175598.5	194983.7	207043.8	211141.5	207043.8	194983.7	175598.5	150044.4	123248.2	94654.7	69530.2
-20°	124992.5	139581.9	148584.4	151629.5	148584.4	139581.9	124992.5	105355.2	86267.5	65575.1	49314.3



REPORT NUMBER: P1306519 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-3S-A

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	83133.5	92749.7	98649.2	100638.4	98649.2	92749.7	83133.5	70089.9	56922.3	44418.3	33989.0
-25°	52387.7	58098.1	61586.6	62760.2	61586.6	58098.1	52387.7	44596.9	36260.3	30562.4	24651.0
-27.5°	32959.7	35527.6	37091.4	37616.6	37091.4	35527.6	32959.7	29440.6	25050.8	22815.2	20266.5
-30°	23254.5	24251.7	24857.5	25060.7	24857.5	24251.7	23254.5	21883.1	20160.0	18630.0	17061.4
-32.5°	18578.8	19184.5	19551.7	19674.8	19551.7	19184.5	18578.8	17743.6	16690.6	15647.0	14681.0
-35°	15409.4	15778.4	16001.8	16076.6	16001.8	15778.4	15409.4	14899.5	14254.9	13540.2	12917.3
-37.5°	13247.5	13483.3	13625.8	13673.5	13625.8	13483.3	13247.5	12921.1	12507.5	12010.8	11581.0
-40°	11705.7	11865.5	11962.0	11994.3	11962.0	11865.5	11705.7	11484.1	11202.9	10864.4	10514.0
-42.5°	10527.4	10651.7	10726.7	10751.8	10726.7	10651.7	10527.4	10354.9	10135.5	9871.0	9456.1
-45°	9328.4	9533.2	9656.6	9697.9	9656.6	9533.2	9328.4	9043.9	8681.6	8244.1	7717.3
-47.5°	7386.1	7618.5	7758.6	7805.4	7758.6	7618.5	7386.1	7062.9	6650.8	6152.6	5571.0
-50°	5348.0	5412.0	5450.5	5463.4	5450.5	5412.0	5348.0	5258.9	5145.2	5007.6	4846.7
-52.5°	4667.8	4718.7	4749.4	4759.6	4749.4	4718.7	4667.8	4596.9	4506.4	4396.6	4268.2
-55°	4060.6	4109.0	4138.2	4147.9	4138.2	4109.0	4060.6	3993.1	3906.9	3802.3	3679.8
-57.5°	3431.0	3475.2	3501.8	3510.7	3501.8	3475.2	3431.0	3369.4	3290.6	3194.9	3082.7
-60°	2809.2	2843.8	2864.6	2871.6	2864.6	2843.8	2809.2	2760.8	2699.0	2623.9	2535.8
-62.5°	2269.6	2297.1	2313.7	2319.2	2313.7	2297.1	2269.6	2231.1	2182.0	2122.2	2052.0
-65°	1789.9	1813.5	1827.7	1832.4	1827.7	1813.5	1789.9	1757.0	1714.9	1663.7	1603.5
-67.5°	1334.6	1352.8	1363.7	1367.4	1363.7	1352.8	1334.6	1309.1	1276.5	1236.9	1190.3
-70°	937.5	951.5	959.9	962.7	959.9	951.5	937.5	918.0	893.0	862.6	826.9
-72.5°	592.1	602.0	607.9	609.9	607.9	602.0	592.1	578.3	560.6	539.1	513.8
-75°	312.2	317.5	320.7	321.8	320.7	317.5	312.2	304.8	295.3	283.7	270.1
-77.5°	136.6	138.2	139.2	139.5	139.2	138.2	136.6	134.4	131.5	128.0	123.9
-80°	72.1	72.6	72.8	72.9	72.8	72.6	72.1	71.6	70.8	69.9	68.8
-82.5°	50.6	50.9	51.0	51.1	51.0	50.9	50.6	50.3	49.8	49.2	48.5
-85°	32.6	32.7	32.8	32.8	32.8	32.7	32.6	32.4	32.1	31.9	31.5
-87.5°	18.9	19.0	19.1	19.1	19.1	19.0	18.9	18.8	18.6	18.4	18.2
-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: P1306519 (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°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	17.9	17.6	17.3	16.9	16.5	16.1	15.6	15.2	14.6	14.1	13.5
85°	31.1	30.7	30.2	29.7	29.1	28.5	27.8	27.1	26.4	25.6	24.8
82.5°	47.8	46.9	45.9	44.9	43.7	42.5	41.1	39.7	38.2	36.6	35.0
80°	67.6	66.2	64.7	63.0	61.1	59.1	57.0	54.7	52.4	50.0	47.8
77.5°	119.1	113.8	107.9	101.4	94.3	86.7	78.6	71.9	68.9	65.8	62.5
75°	254.4	236.8	217.3	195.8	172.5	147.4	132.6	122.2	111.1	99.6	87.4
72.5°	484.7	452.0	415.7	375.9	332.7	299.3	267.8	234.4	199.1	162.0	133.5
70°	785.9	739.8	688.6	632.5	578.7	525.3	468.2	407.6	343.6	293.0	248.5
67.5°	1136.9	1076.8	1010.2	940.5	871.6	797.5	718.4	634.5	557.7	481.8	402.5
65°	1534.6	1457.1	1371.3	1289.1	1200.5	1105.4	1003.9	904.8	806.0	702.3	597.0
62.5°	1971.7	1881.5	1783.9	1679.5	1566.6	1445.4	1322.9	1203.8	1078.4	949.1	829.6
60°	2435.1	2321.9	2211.4	2090.9	1960.7	1821.6	1679.5	1529.3	1371.3	1226.8	1076.8
57.5°	2954.6	2819.0	2681.8	2532.0	2370.2	2211.4	2049.0	1877.4	1703.1	1523.1	1339.8
55°	3539.9	3382.8	3209.4	3020.3	2823.9	2635.3	2435.1	2235.1	2039.7	1835.7	1632.9
52.5°	4120.7	3950.0	3761.9	3557.1	3336.0	3099.7	2852.1	2623.9	2384.8	2157.3	1929.1
50°	4676.1	4498.1	4302.3	4087.1	3848.6	3594.3	3324.6	3040.6	2760.8	2493.4	2228.5
47.5°	5296.9	5075.1	4831.5	4592.4	4345.7	4080.5	3791.4	3487.8	3169.9	2843.8	2548.2
45°	7000.8	6203.0	5422.8	5138.2	4833.1	4541.9	4244.9	3924.6	3586.6	3235.1	2871.6
42.5°	8829.8	8133.9	7269.8	6252.0	5373.3	5026.7	4674.6	4343.0	3991.8	3619.7	3235.1
40°	10137.1	9719.3	8917.6	8035.4	6925.5	5694.2	5144.3	4741.6	4375.9	3991.8	3586.6
37.5°	11101.1	10598.1	10108.4	9490.2	8485.3	7335.3	5962.1	5183.7	4741.6	4343.0	3924.6
35°	12217.0	11588.1	10968.8	10373.2	9776.6	8712.8	7472.9	5962.1	5144.3	4674.6	4244.9
32.5°	13621.4	12791.4	11920.3	11211.9	10507.2	9841.9	8712.8	7335.3	5694.2	5026.7	4541.9
30°	15565.8	14288.6	13142.9	12122.0	11293.7	10507.2	9776.6	8485.3	6925.5	5373.3	4833.1
27.5°	18180.5	16125.4	14639.2	13261.3	12122.0	11211.9	10373.2	9490.2	8035.4	6252.0	5138.2
25°	21595.8	18750.9	16399.8	14639.2	13142.9	11920.3	10968.8	10108.4	8917.6	7269.8	5422.8
22.5°	26295.4	22045.2	18750.9	16125.4	14288.6	12791.4	11588.1	10598.1	9719.3	8133.9	6203.0
20°	35151.2	26295.4	21595.8	18180.5	15565.8	13621.4	12217.0	11101.1	10137.1	8829.8	7000.8
17.5°	49314.3	33989.0	24651.0	20266.5	17061.4	14681.0	12917.3	11581.0	10514.0	9456.1	7717.3
15°	65575.1	44418.3	30562.4	22815.2	18630.0	15647.0	13540.2	12010.8	10864.4	9871.0	8244.1
12.5°	86267.5	56922.3	36260.3	25050.8	20160.0	16690.6	14254.9	12507.5	11202.9	10135.5	8681.6
10°	105355.2	70089.9	44596.9	29440.6	21883.1	17743.6	14899.5	12921.1	11484.1	10354.9	9043.9
7.5°	124992.5	83133.5	52387.7	32959.7	23254.5	18578.8	15409.4	13247.5	11705.7	10527.4	9328.4
5°	139581.9	92749.7	58098.1	35527.6	24251.7	19184.5	15778.4	13483.3	11865.5	10651.7	9533.2
2.5°	148584.4	98649.2	61586.6	37091.4	24857.5	19551.7	16001.8	13625.8	11962.0	10726.7	9656.6
0°	151629.5	100638.4	62760.2	37616.6	25060.7	19674.8	16076.6	13673.5	11994.3	10751.8	9697.9
-2.5°	148584.4	98649.2	61586.6	37091.4	24857.5	19551.7	16001.8	13625.8	11962.0	10726.7	9656.6
-5°	139581.9	92749.7	58098.1	35527.6	24251.7	19184.5	15778.4	13483.3	11865.5	10651.7	9533.2
-7.5°	124992.5	83133.5	52387.7	32959.7	23254.5	18578.8	15409.4	13247.5	11705.7	10527.4	9328.4
-10°	105355.2	70089.9	44596.9	29440.6	21883.1	17743.6	14899.5	12921.1	11484.1	10354.9	9043.9
-12.5°	86267.5	56922.3	36260.3	25050.8	20160.0	16690.6	14254.9	12507.5	11202.9	10135.5	8681.6
-15°	65575.1	44418.3	30562.4	22815.2	18630.0	15647.0	13540.2	12010.8	10864.4	9871.0	8244.1
-17.5°	49314.3	33989.0	24651.0	20266.5	17061.4	14681.0	12917.3	11581.0	10514.0	9456.1	7717.3
-20°	35151.2	26295.4	21595.8	18180.5	15565.8	13621.4	12217.0	11101.1	10137.1	8829.8	7000.8



REPORT NUMBER: P1306519 (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°	26295.4	22045.2	18750.9	16125.4	14288.6	12791.4	11588.1	10598.1	9719.3	8133.9	6203.0
-25°	21595.8	18750.9	16399.8	14639.2	13142.9	11920.3	10968.8	10108.4	8917.6	7269.8	5422.8
-27.5°	18180.5	16125.4	14639.2	13261.3	12122.0	11211.9	10373.2	9490.2	8035.4	6252.0	5138.2
-30°	15565.8	14288.6	13142.9	12122.0	11293.7	10507.2	9776.6	8485.3	6925.5	5373.3	4833.1
-32.5°	13621.4	12791.4	11920.3	11211.9	10507.2	9841.9	8712.8	7335.3	5694.2	5026.7	4541.9
-35°	12217.0	11588.1	10968.8	10373.2	9776.6	8712.8	7472.9	5962.1	5144.3	4674.6	4244.9
-37.5°	11101.1	10598.1	10108.4	9490.2	8485.3	7335.3	5962.1	5183.7	4741.6	4343.0	3924.6
-40°	10137.1	9719.3	8917.6	8035.4	6925.5	5694.2	5144.3	4741.6	4375.9	3991.8	3586.6
-42.5°	8829.8	8133.9	7269.8	6252.0	5373.3	5026.7	4674.6	4343.0	3991.8	3619.7	3235.1
-45°	7000.8	6203.0	5422.8	5138.2	4833.1	4541.9	4244.9	3924.6	3586.6	3235.1	2871.6
-47.5°	5296.9	5075.1	4831.5	4592.4	4345.7	4080.5	3791.4	3487.8	3169.9	2843.8	2548.2
-50°	4676.1	4498.1	4302.3	4087.1	3848.6	3594.3	3324.6	3040.6	2760.8	2493.4	2228.5
-52.5°	4120.7	3950.0	3761.9	3557.1	3336.0	3099.7	2852.1	2623.9	2384.8	2157.3	1929.1
-55°	3539.9	3382.8	3209.4	3020.3	2823.9	2635.3	2435.1	2235.1	2039.7	1835.7	1632.9
-57.5°	2954.6	2819.0	2681.8	2532.0	2370.2	2211.4	2049.0	1877.4	1703.1	1523.1	1339.8
-60°	2435.1	2321.9	2211.4	2090.9	1960.7	1821.6	1679.5	1529.3	1371.3	1226.8	1076.8
-62.5°	1971.7	1881.5	1783.9	1679.5	1566.6	1445.4	1322.9	1203.8	1078.4	949.1	829.6
-65°	1534.6	1457.1	1371.3	1289.1	1200.5	1105.4	1003.9	904.8	806.0	702.3	597.0
-67.5°	1136.9	1076.8	1010.2	940.5	871.6	797.5	718.4	634.5	557.7	481.8	402.5
-70°	785.9	739.8	688.6	632.5	578.7	525.3	468.2	407.6	343.6	293.0	248.5
-72.5°	484.7	452.0	415.7	375.9	332.7	299.3	267.8	234.4	199.1	162.0	133.5
-75°	254.4	236.8	217.3	195.8	172.5	147.4	132.6	122.2	111.1	99.6	87.4
-77.5°	119.1	113.8	107.9	101.4	94.3	86.7	78.6	71.9	68.9	65.8	62.5
-80°	67.6	66.2	64.7	63.0	61.1	59.1	57.0	54.7	52.4	50.0	47.8
-82.5°	47.8	46.9	45.9	44.9	43.7	42.5	41.1	39.7	38.2	36.6	35.0
-85°	31.1	30.7	30.2	29.7	29.1	28.5	27.8	27.1	26.4	25.6	24.8
-87.5°	17.9	17.6	17.3	16.9	16.5	16.1	15.6	15.2	14.6	14.1	13.5
-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: P1306519 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS16-1200R-40-80-3S-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°	12.9	12.3	11.6	11.0	10.3	9.5	8.8	8.1	7.3	6.5	5.7
85°	23.9	23.0	22.1	21.1	20.1	19.1	17.6	16.1	14.6	13.1	11.5
82.5°	33.2	31.8	30.4	28.9	27.4	25.9	24.3	22.7	21.1	19.4	17.2
80°	45.5	43.1	40.6	38.0	35.4	32.7	30.6	28.5	26.3	24.1	21.8
77.5°	59.0	55.4	51.7	48.4	45.1	41.7	38.2	34.6	31.4	28.7	25.8
75°	74.8	69.2	64.7	60.1	55.4	50.6	46.4	42.2	37.8	33.4	29.9
72.5°	118.8	103.4	87.5	72.3	66.8	61.1	55.3	49.6	44.6	39.4	34.2
70°	202.2	154.1	126.6	107.9	88.6	71.6	64.9	58.2	51.3	45.4	39.4
67.5°	320.6	266.4	210.3	152.6	122.6	100.4	77.6	66.9	59.1	51.3	44.6
65°	505.0	409.7	315.1	251.0	185.1	131.5	106.3	80.6	66.9	58.2	49.6
62.5°	705.4	582.9	474.6	363.0	275.5	201.4	134.5	106.3	77.6	64.9	55.3
60°	926.4	785.9	641.1	513.8	389.1	283.7	201.4	131.5	100.4	71.6	61.1
57.5°	1170.6	995.8	834.6	673.4	526.9	389.1	275.5	185.1	122.6	88.6	66.8
55°	1423.1	1227.3	1033.4	850.9	673.4	513.8	363.0	251.0	152.6	107.9	72.3
52.5°	1699.4	1467.0	1246.3	1033.4	834.6	641.1	474.6	315.1	210.3	126.6	87.5
50°	1976.2	1721.6	1467.0	1227.3	995.8	785.9	582.9	409.7	266.4	154.1	103.4
47.5°	2252.3	1976.2	1699.4	1423.1	1170.6	926.4	705.4	505.0	320.6	202.2	118.8
45°	2548.2	2228.5	1929.1	1632.9	1339.8	1076.8	829.6	597.0	402.5	248.5	133.5
42.5°	2843.8	2493.4	2157.3	1835.7	1523.1	1226.8	949.1	702.3	481.8	293.0	162.0
40°	3169.9	2760.8	2384.8	2039.7	1703.1	1371.3	1078.4	806.0	557.7	343.6	199.1
37.5°	3487.8	3040.6	2623.9	2235.1	1877.4	1529.3	1203.8	904.8	634.5	407.6	234.4
35°	3791.4	3324.6	2852.1	2435.1	2049.0	1679.5	1322.9	1003.9	718.4	468.2	267.8
32.5°	4080.5	3594.3	3099.7	2635.3	2211.4	1821.6	1445.4	1105.4	797.5	525.3	299.3
30°	4345.7	3848.6	3336.0	2823.9	2370.2	1960.7	1566.6	1200.5	871.6	578.7	332.7
27.5°	4592.4	4087.1	3557.1	3020.3	2532.0	2090.9	1679.5	1289.1	940.5	632.5	375.9
25°	4831.5	4302.3	3761.9	3209.4	2681.8	2211.4	1783.9	1371.3	1010.2	688.6	415.7
22.5°	5075.1	4498.1	3950.0	3382.8	2819.0	2321.9	1881.5	1457.1	1076.8	739.8	452.0
20°	5296.9	4676.1	4120.7	3539.9	2954.6	2435.1	1971.7	1534.6	1136.9	785.9	484.7
17.5°	5571.0	4846.7	4268.2	3679.8	3082.7	2535.8	2052.0	1603.5	1190.3	826.9	513.8
15°	6152.6	5007.6	4396.6	3802.3	3194.9	2623.9	2122.2	1663.7	1236.9	862.6	539.1
12.5°	6650.8	5145.2	4506.4	3906.9	3290.6	2699.0	2182.0	1714.9	1276.5	893.0	560.6
10°	7062.9	5258.9	4596.9	3993.1	3369.4	2760.8	2231.1	1757.0	1309.1	918.0	578.3
7.5°	7386.1	5348.0	4667.8	4060.6	3431.0	2809.2	2269.6	1789.9	1334.6	937.5	592.1
5°	7618.5	5412.0	4718.7	4109.0	3475.2	2843.8	2297.1	1813.5	1352.8	951.5	602.0
2.5°	7758.6	5450.5	4749.4	4138.2	3501.8	2864.6	2313.7	1827.7	1363.7	959.9	607.9
0°	7805.4	5463.4	4759.6	4147.9	3510.7	2871.6	2319.2	1832.4	1367.4	962.7	609.9
-2.5°	7758.6	5450.5	4749.4	4138.2	3501.8	2864.6	2313.7	1827.7	1363.7	959.9	607.9
-5°	7618.5	5412.0	4718.7	4109.0	3475.2	2843.8	2297.1	1813.5	1352.8	951.5	602.0
-7.5°	7386.1	5348.0	4667.8	4060.6	3431.0	2809.2	2269.6	1789.9	1334.6	937.5	592.1
-10°	7062.9	5258.9	4596.9	3993.1	3369.4	2760.8	2231.1	1757.0	1309.1	918.0	578.3
-12.5°	6650.8	5145.2	4506.4	3906.9	3290.6	2699.0	2182.0	1714.9	1276.5	893.0	560.6
-15°	6152.6	5007.6	4396.6	3802.3	3194.9	2623.9	2122.2	1663.7	1236.9	862.6	539.1
-17.5°	5571.0	4846.7	4268.2	3679.8	3082.7	2535.8	2052.0	1603.5	1190.3	826.9	513.8
-20°	5296.9	4676.1	4120.7	3539.9	2954.6	2435.1	1971.7	1534.6	1136.9	785.9	484.7



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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°	5075.1	4498.1	3950.0	3382.8	2819.0	2321.9	1881.5	1457.1	1076.8	739.8	452.0
-25°	4831.5	4302.3	3761.9	3209.4	2681.8	2211.4	1783.9	1371.3	1010.2	688.6	415.7
-27.5°	4592.4	4087.1	3557.1	3020.3	2532.0	2090.9	1679.5	1289.1	940.5	632.5	375.9
-30°	4345.7	3848.6	3336.0	2823.9	2370.2	1960.7	1566.6	1200.5	871.6	578.7	332.7
-32.5°	4080.5	3594.3	3099.7	2635.3	2211.4	1821.6	1445.4	1105.4	797.5	525.3	299.3
-35°	3791.4	3324.6	2852.1	2435.1	2049.0	1679.5	1322.9	1003.9	718.4	468.2	267.8
-37.5°	3487.8	3040.6	2623.9	2235.1	1877.4	1529.3	1203.8	904.8	634.5	407.6	234.4
-40°	3169.9	2760.8	2384.8	2039.7	1703.1	1371.3	1078.4	806.0	557.7	343.6	199.1
-42.5°	2843.8	2493.4	2157.3	1835.7	1523.1	1226.8	949.1	702.3	481.8	293.0	162.0
-45°	2548.2	2228.5	1929.1	1632.9	1339.8	1076.8	829.6	597.0	402.5	248.5	133.5
-47.5°	2252.3	1976.2	1699.4	1423.1	1170.6	926.4	705.4	505.0	320.6	202.2	118.8
-50°	1976.2	1721.6	1467.0	1227.3	995.8	785.9	582.9	409.7	266.4	154.1	103.4
-52.5°	1699.4	1467.0	1246.3	1033.4	834.6	641.1	474.6	315.1	210.3	126.6	87.5
-55°	1423.1	1227.3	1033.4	850.9	673.4	513.8	363.0	251.0	152.6	107.9	72.3
-57.5°	1170.6	995.8	834.6	673.4	526.9	389.1	275.5	185.1	122.6	88.6	66.8
-60°	926.4	785.9	641.1	513.8	389.1	283.7	201.4	131.5	100.4	71.6	61.1
-62.5°	705.4	582.9	474.6	363.0	275.5	201.4	134.5	106.3	77.6	64.9	55.3
-65°	505.0	409.7	315.1	251.0	185.1	131.5	106.3	80.6	66.9	58.2	49.6
-67.5°	320.6	266.4	210.3	152.6	122.6	100.4	77.6	66.9	59.1	51.3	44.6
-70°	202.2	154.1	126.6	107.9	88.6	71.6	64.9	58.2	51.3	45.4	39.4
-72.5°	118.8	103.4	87.5	72.3	66.8	61.1	55.3	49.6	44.6	39.4	34.2
-75°	74.8	69.2	64.7	60.1	55.4	50.6	46.4	42.2	37.8	33.4	29.9
-77.5°	59.0	55.4	51.7	48.4	45.1	41.7	38.2	34.6	31.4	28.7	25.8
-80°	45.5	43.1	40.6	38.0	35.4	32.7	30.6	28.5	26.3	24.1	21.8
-82.5°	33.2	31.8	30.4	28.9	27.4	25.9	24.3	22.7	21.1	19.4	17.2
-85°	23.9	23.0	22.1	21.1	20.1	19.1	17.6	16.1	14.6	13.1	11.5
-87.5°	12.9	12.3	11.6	11.0	10.3	9.5	8.8	8.1	7.3	6.5	5.7
-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°	4.9	4.1	3.3	2.5	1.7	0.8	0.0
85°	9.9	8.3	6.6	5.0	3.3	1.7	0.0
82.5°	14.8	12.4	9.9	7.5	5.0	2.5	0.0
80°	19.5	16.5	13.2	9.9	6.6	3.3	0.0
77.5°	23.0	20.1	16.5	12.4	8.3	4.1	0.0
75°	26.4	23.0	19.5	14.8	9.9	4.9	0.0
72.5°	29.9	25.8	21.8	17.2	11.5	5.7	0.0
70°	33.4	28.7	24.1	19.4	13.1	6.5	0.0
67.5°	37.8	31.4	26.3	21.1	14.6	7.3	0.0
65°	42.2	34.6	28.5	22.7	16.1	8.1	0.0
62.5°	46.4	38.2	30.6	24.3	17.6	8.8	0.0
60°	50.6	41.7	32.7	25.9	19.1	9.5	0.0
57.5°	55.4	45.1	35.4	27.4	20.1	10.3	0.0
55°	60.1	48.4	38.0	28.9	21.1	11.0	0.0
52.5°	64.7	51.7	40.6	30.4	22.1	11.6	0.0
50°	69.2	55.4	43.1	31.8	23.0	12.3	0.0
47.5°	74.8	59.0	45.5	33.2	23.9	12.9	0.0
45°	87.4	62.5	47.8	35.0	24.8	13.5	0.0
42.5°	99.6	65.8	50.0	36.6	25.6	14.1	0.0
40°	111.1	68.9	52.4	38.2	26.4	14.6	0.0
37.5°	122.2	71.9	54.7	39.7	27.1	15.2	0.0
35°	132.6	78.6	57.0	41.1	27.8	15.6	0.0
32.5°	147.4	86.7	59.1	42.5	28.5	16.1	0.0
30°	172.5	94.3	61.1	43.7	29.1	16.5	0.0
27.5°	195.8	101.4	63.0	44.9	29.7	16.9	0.0
25°	217.3	107.9	64.7	45.9	30.2	17.3	0.0
22.5°	236.8	113.8	66.2	46.9	30.7	17.6	0.0
20°	254.4	119.1	67.6	47.8	31.1	17.9	0.0
17.5°	270.1	123.9	68.8	48.5	31.5	18.2	0.0
15°	283.7	128.0	69.9	49.2	31.9	18.4	0.0
12.5°	295.3	131.5	70.8	49.8	32.1	18.6	0.0
10°	304.8	134.4	71.6	50.3	32.4	18.8	0.0
7.5°	312.2	136.6	72.1	50.6	32.6	18.9	0.0
5°	317.5	138.2	72.6	50.9	32.7	19.0	0.0
2.5°	320.7	139.2	72.8	51.0	32.8	19.1	0.0
0°	321.8	139.5	72.9	51.1	32.8	19.1	0.0
-2.5°	320.7	139.2	72.8	51.0	32.8	19.1	0.0
-5°	317.5	138.2	72.6	50.9	32.7	19.0	0.0
-7.5°	312.2	136.6	72.1	50.6	32.6	18.9	0.0
-10°	304.8	134.4	71.6	50.3	32.4	18.8	0.0
-12.5°	295.3	131.5	70.8	49.8	32.1	18.6	0.0
-15°	283.7	128.0	69.9	49.2	31.9	18.4	0.0
-17.5°	270.1	123.9	68.8	48.5	31.5	18.2	0.0
-20°	254.4	119.1	67.6	47.8	31.1	17.9	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	236.8	113.8	66.2	46.9	30.7	17.6	0.0
-25°	217.3	107.9	64.7	45.9	30.2	17.3	0.0
-27.5°	195.8	101.4	63.0	44.9	29.7	16.9	0.0
-30°	172.5	94.3	61.1	43.7	29.1	16.5	0.0
-32.5°	147.4	86.7	59.1	42.5	28.5	16.1	0.0
-35°	132.6	78.6	57.0	41.1	27.8	15.6	0.0
-37.5°	122.2	71.9	54.7	39.7	27.1	15.2	0.0
-40°	111.1	68.9	52.4	38.2	26.4	14.6	0.0
-42.5°	99.6	65.8	50.0	36.6	25.6	14.1	0.0
-45°	87.4	62.5	47.8	35.0	24.8	13.5	0.0
-47.5°	74.8	59.0	45.5	33.2	23.9	12.9	0.0
-50°	69.2	55.4	43.1	31.8	23.0	12.3	0.0
-52.5°	64.7	51.7	40.6	30.4	22.1	11.6	0.0
-55°	60.1	48.4	38.0	28.9	21.1	11.0	0.0
-57.5°	55.4	45.1	35.4	27.4	20.1	10.3	0.0
-60°	50.6	41.7	32.7	25.9	19.1	9.5	0.0
-62.5°	46.4	38.2	30.6	24.3	17.6	8.8	0.0
-65°	42.2	34.6	28.5	22.7	16.1	8.1	0.0
-67.5°	37.8	31.4	26.3	21.1	14.6	7.3	0.0
-70°	33.4	28.7	24.1	19.4	13.1	6.5	0.0
-72.5°	29.9	25.8	21.8	17.2	11.5	5.7	0.0
-75°	26.4	23.0	19.5	14.8	9.9	4.9	0.0
-77.5°	23.0	20.1	16.5	12.4	8.3	4.1	0.0
-80°	19.5	16.5	13.2	9.9	6.6	3.3	0.0
-82.5°	14.8	12.4	9.9	7.5	5.0	2.5	0.0
-85°	9.9	8.3	6.6	5.0	3.3	1.7	0.0
-87.5°	4.9	4.1	3.3	2.5	1.7	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)