

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: P699989 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200R-57-70-2S-S**

Issue Date: 8/10/2023

Test Information

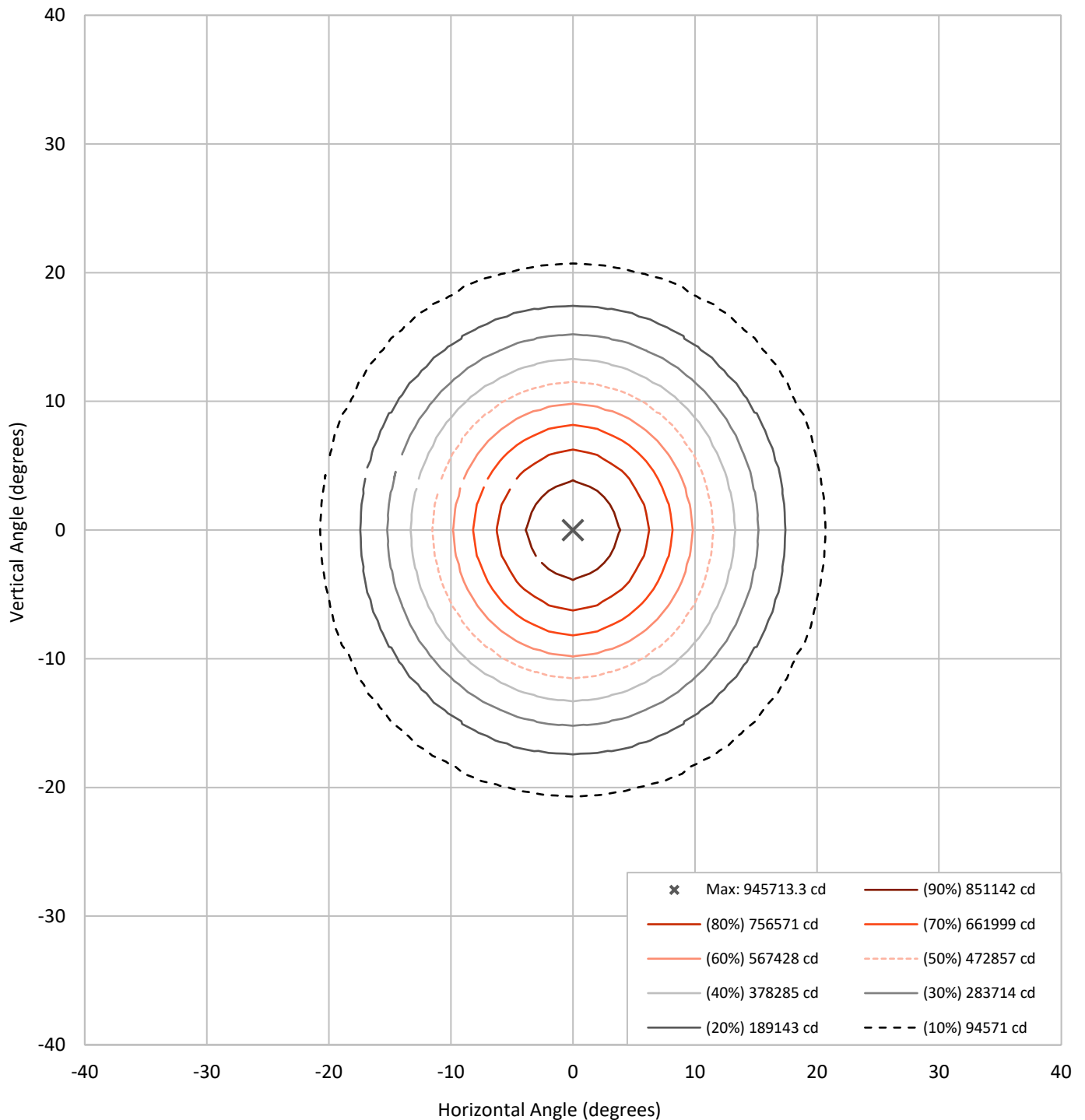
Test Method: LM-79-08
Report Number: P699989 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-10)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200R-57-70-2S-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 70 CRI LEDS AND 2S BEAM SHAPE
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	189894.5 lumens	Max Intensity:	945713.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	151.5 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	23.1°H x 23.1°V	Field Angle (10%):	41.4°H x 41.4°V
Beam Lumens:	85548.7 lumens	Field Lumens:	150924.5 lumens
Beam Efficiency:	45.1%	Field Efficiency:	79.5%
Input Watts (W):	1253.1		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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Iso-Candela Plot





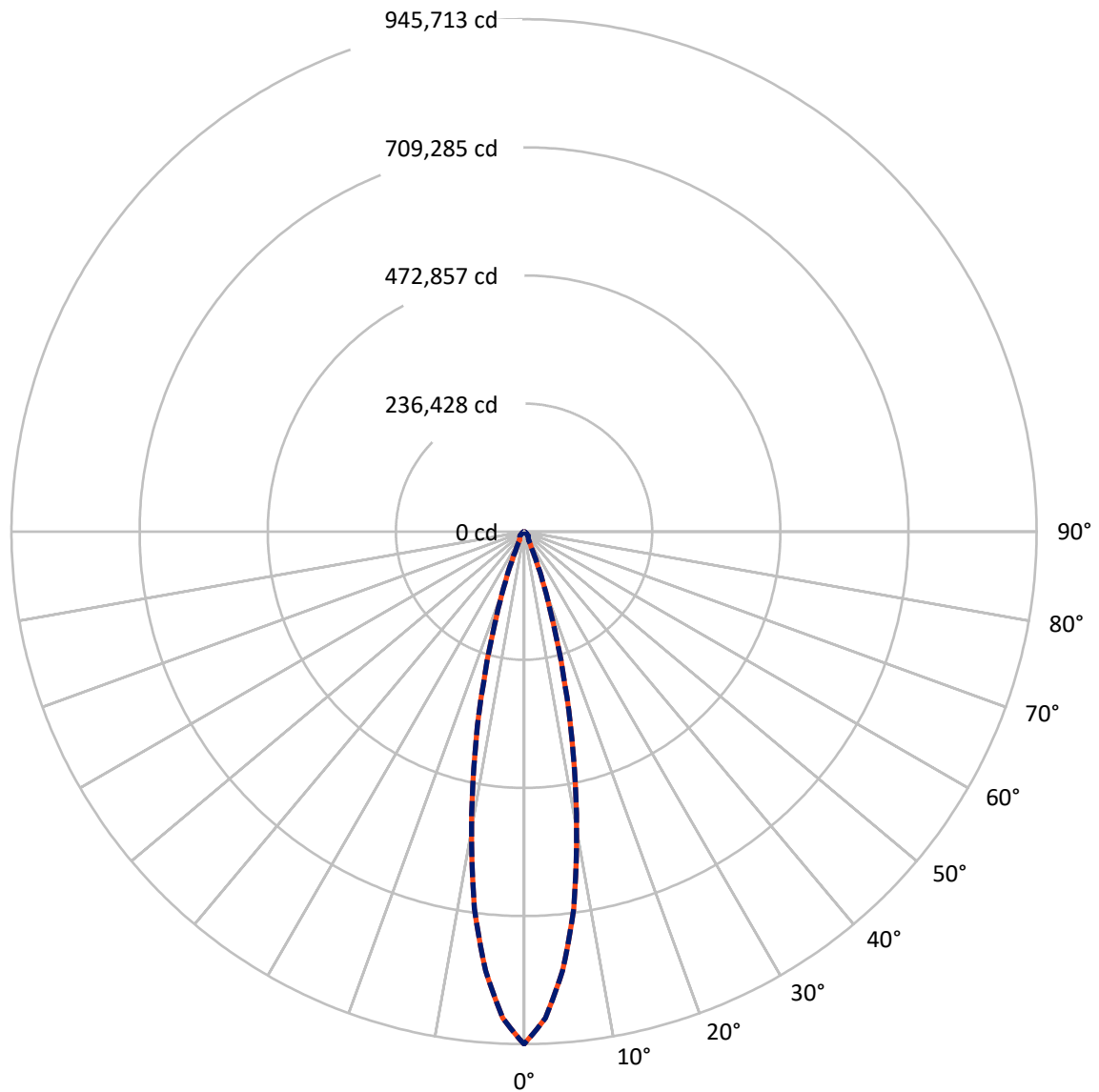
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Lumen Table

90	0.3	2.3		8.3		19.9		25.8		19.9		8.3		2.3		0.3
80	0.3	2.3		8.3		19.9		25.8		19.9		8.3		2.3		0.3
70	1.0	1.3	4.9	13.6	26.1	39.6	50.8	57.1	57.1	50.8	39.6	26.1	13.6	4.9	1.3	1.0
60		3.7	15.5	36.4	63.3	90.3	110.5	121.4	121.4	110.5	90.3	63.3	36.4	15.5	3.7	
50	2.7	8.4	29.8	64.3	103.8	166.7	245.4	290.4	290.4	245.4	166.7	103.8	64.3	29.8	8.4	2.7
40		13.9	44.8	89.8	191.0	318.4	387.5	425.2	425.2	387.5	318.4	191.0	89.8	44.8	13.9	
30	5.8	19.0	57.8	131.3	288.2	393.6	618.0	1164.8	1164.8	618.0	393.6	288.2	131.3	57.8	19.0	5.8
20		22.9	66.3	181.9	329.2	582.0	2908.8	7871.0	7871.0	2908.8	582.0	329.2	181.9	66.3	22.9	
10	7.1	25.0	70.5	208.3	350.5	1071.8	7668.7	20373.6	20373.6	7668.7	1071.8	350.5	208.3	70.5	25.0	7.1
0		25.0	70.5	208.3	350.5	1071.8	7668.7	20373.6	20373.6	7668.7	1071.8	350.5	208.3	70.5	25.0	
-10	5.8	22.9	66.3	181.9	329.2	582.0	2908.8	7871.0	7871.0	2908.8	582.0	329.2	181.9	66.3	22.9	5.8
-20		19.0	57.8	131.3	288.2	393.6	618.0	1164.8	1164.8	618.0	393.6	288.2	131.3	57.8	19.0	
-30	2.7	13.9	44.8	89.8	191.0	318.4	387.5	425.2	425.2	387.5	318.4	191.0	89.8	44.8	13.9	2.7
-40		8.4	29.8	64.3	103.8	166.7	245.4	290.4	290.4	245.4	166.7	103.8	64.3	29.8	8.4	
-50	1.0	3.7	15.5	36.4	63.3	90.3	110.5	121.4	121.4	110.5	90.3	63.3	36.4	15.5	3.7	1.0
-60		1.3	4.9	13.6	26.1	39.6	50.8	57.1	57.1	50.8	39.6	26.1	13.6	4.9	1.3	
-70	0.3	2.3		8.3		19.9		25.8		19.9		8.3		2.3		0.3
-80		2.3		8.3		19.9		25.8		19.9		8.3		2.3		
-90	0.3	2.3		8.3		19.9		25.8		19.9		8.3		2.3		0.3

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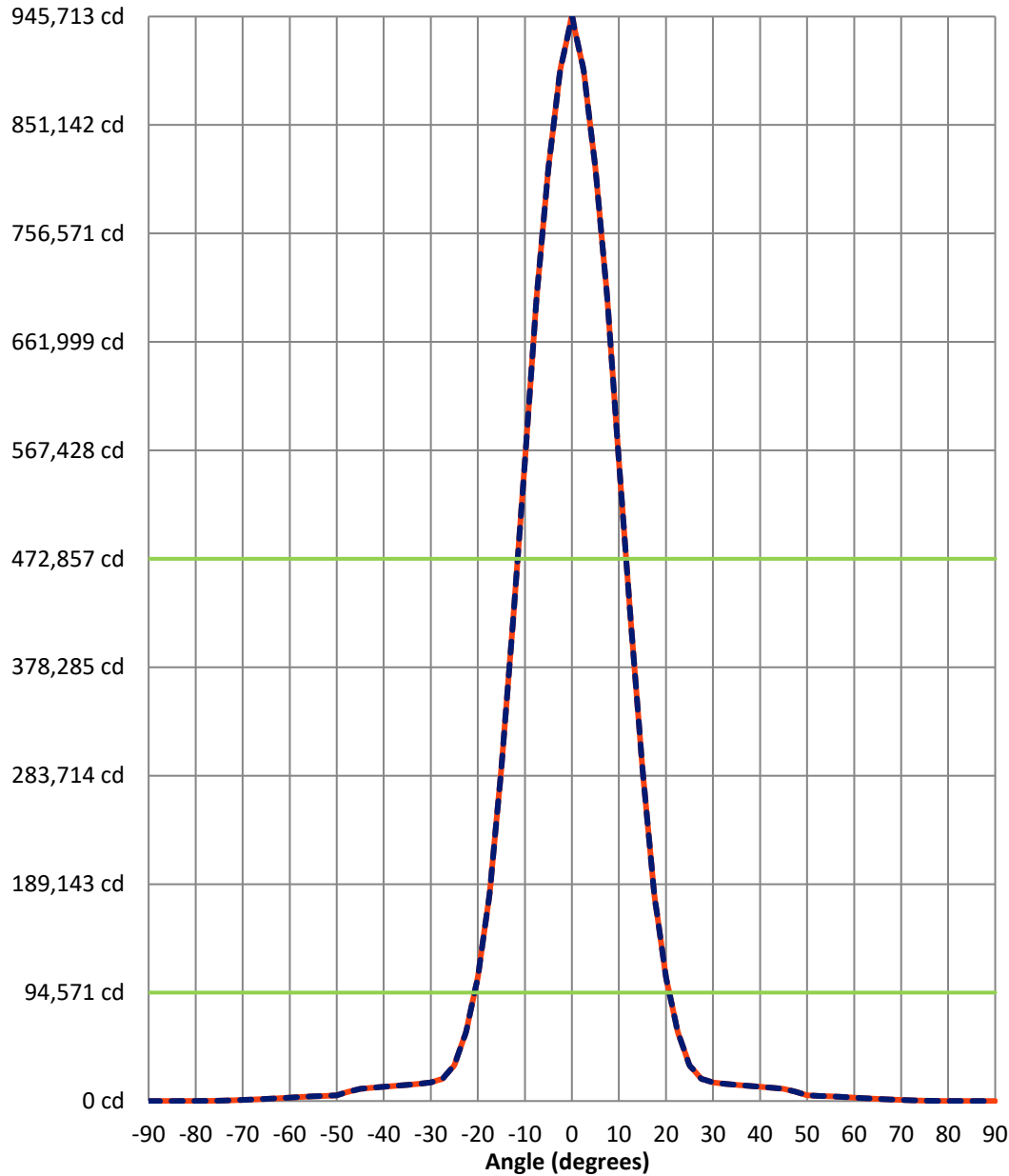
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 23.1°
 V Angle: 23.1°
 Lumens: 85548.7
 Efficiency: 45.1%

Field:
 H Angle: 41.4°
 V Angle: 41.4°
 Lumens: 150924.5
 Efficiency: 79.5%

Spill:
 Lumens: 38970.1
 Efficiency: 20.5%

— 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	3.4	4.2	5.0	5.8	6.6	7.4	8.2
85°	0.0	1.7	3.4	5.0	6.7	8.3	10.0	11.6	13.2	14.8	16.3
82.5°	0.0	2.5	5.0	7.5	10.0	12.5	14.9	17.4	19.6	21.4	23.1
80°	0.0	3.4	6.7	10.0	13.3	16.6	19.7	22.1	24.4	26.7	29.0
77.5°	0.0	4.2	8.3	12.5	16.6	20.4	23.3	26.3	29.2	32.1	35.3
75°	0.0	5.0	10.0	14.9	19.7	23.3	26.9	30.5	34.1	38.5	42.8
72.5°	0.0	5.8	11.6	17.4	22.1	26.3	30.5	34.9	40.1	45.2	50.3
70°	0.0	6.6	13.2	19.6	24.4	29.2	34.1	40.1	46.0	51.9	59.3
67.5°	0.0	7.4	14.8	21.4	26.7	32.1	38.5	45.2	51.9	60.3	68.5
65°	0.0	8.2	16.3	23.1	29.0	35.3	42.8	50.3	59.3	68.5	82.4
62.5°	0.0	8.9	17.8	24.7	31.2	38.9	47.1	56.2	66.5	79.5	107.0
60°	0.0	9.6	19.3	26.4	33.4	42.3	51.2	62.4	73.6	101.4	131.2
57.5°	0.0	10.4	20.3	27.9	36.1	45.7	56.3	68.5	90.1	122.7	183.3
55°	0.0	11.1	21.4	29.5	38.7	49.0	61.4	74.4	108.6	151.6	247.4
52.5°	0.0	11.7	22.4	31.0	41.3	52.4	66.3	89.0	126.6	207.9	309.9
50°	0.0	12.4	23.3	32.4	43.8	56.3	71.1	104.3	153.1	262.4	406.1
47.5°	0.0	13.0	24.3	33.9	46.1	60.2	76.8	119.0	199.9	315.2	503.4
45°	0.0	13.6	25.2	35.7	48.4	63.8	88.9	133.2	245.1	398.7	597.2
42.5°	0.0	14.2	26.0	37.3	50.6	67.4	100.6	160.8	288.4	479.7	706.0
40°	0.0	14.8	26.8	38.9	53.0	70.7	111.7	197.0	338.6	557.1	813.3
37.5°	0.0	15.3	27.6	40.4	55.6	74.0	122.3	231.3	403.9	635.8	915.6
35°	0.0	15.8	28.4	41.8	58.0	80.4	132.3	263.9	465.8	722.7	1018.3
32.5°	0.0	16.3	29.0	43.1	60.3	88.2	146.6	294.5	524.0	804.6	1123.8
30°	0.0	16.7	29.7	44.4	62.4	95.5	171.0	327.6	578.6	881.2	1222.8
27.5°	0.0	17.1	30.3	45.5	64.4	102.3	193.7	371.6	633.8	952.6	1314.8
25°	0.0	17.5	30.8	46.6	66.2	108.5	214.6	412.2	691.9	1024.9	1400.4
22.5°	0.0	17.8	31.3	47.5	67.8	114.2	233.6	449.3	744.8	1094.1	1489.4
20°	0.0	18.1	31.8	48.4	69.3	119.3	250.8	482.7	792.5	1156.6	1569.8
17.5°	0.0	18.4	32.2	49.2	70.6	123.9	266.0	512.3	835.0	1212.1	1641.4
15°	0.0	18.6	32.5	49.8	71.8	127.8	279.3	538.1	872.0	1260.6	1703.8
12.5°	0.0	18.8	32.8	50.4	72.8	131.2	290.6	560.1	903.4	1301.8	1757.0
10°	0.0	19.0	33.1	50.9	73.6	134.0	299.8	578.1	929.3	1335.7	1800.7
7.5°	0.0	19.1	33.3	51.2	74.2	136.1	307.1	592.2	949.5	1362.1	1834.8
5°	0.0	19.2	33.4	51.5	74.6	137.7	312.3	602.3	963.9	1381.1	1859.3
2.5°	0.0	19.3	33.5	51.6	74.9	138.6	315.4	608.4	972.6	1392.5	1874.0
0°	0.0	19.3	33.5	51.7	75.0	138.9	316.4	610.4	975.5	1396.3	1878.9
-2.5°	0.0	19.3	33.5	51.6	74.9	138.6	315.4	608.4	972.6	1392.5	1874.0
-5°	0.0	19.2	33.4	51.5	74.6	137.7	312.3	602.3	963.9	1381.1	1859.3
-7.5°	0.0	19.1	33.3	51.2	74.2	136.1	307.1	592.2	949.5	1362.1	1834.8
-10°	0.0	19.0	33.1	50.9	73.6	134.0	299.8	578.1	929.3	1335.7	1800.7
-12.5°	0.0	18.8	32.8	50.4	72.8	131.2	290.6	560.1	903.4	1301.8	1757.0
-15°	0.0	18.6	32.5	49.8	71.8	127.8	279.3	538.1	872.0	1260.6	1703.8
-17.5°	0.0	18.4	32.2	49.2	70.6	123.9	266.0	512.3	835.0	1212.1	1641.4
-20°	0.0	18.1	31.8	48.4	69.3	119.3	250.8	482.7	792.5	1156.6	1569.8



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 CATALOG NUMBER: EPH-LS-16-1200R-57-70-2S-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	17.8	31.3	47.5	67.8	114.2	233.6	449.3	744.8	1094.1	1489.4
-25°	0.0	17.5	30.8	46.6	66.2	108.5	214.6	412.2	691.9	1024.9	1400.4
-27.5°	0.0	17.1	30.3	45.5	64.4	102.3	193.7	371.6	633.8	952.6	1314.8
-30°	0.0	16.7	29.7	44.4	62.4	95.5	171.0	327.6	578.6	881.2	1222.8
-32.5°	0.0	16.3	29.0	43.1	60.3	88.2	146.6	294.5	524.0	804.6	1123.8
-35°	0.0	15.8	28.4	41.8	58.0	80.4	132.3	263.9	465.8	722.7	1018.3
-37.5°	0.0	15.3	27.6	40.4	55.6	74.0	122.3	231.3	403.9	635.8	915.6
-40°	0.0	14.8	26.8	38.9	53.0	70.7	111.7	197.0	338.6	557.1	813.3
-42.5°	0.0	14.2	26.0	37.3	50.6	67.4	100.6	160.8	288.4	479.7	706.0
-45°	0.0	13.6	25.2	35.7	48.4	63.8	88.9	133.2	245.1	398.7	597.2
-47.5°	0.0	13.0	24.3	33.9	46.1	60.2	76.8	119.0	199.9	315.2	503.4
-50°	0.0	12.4	23.3	32.4	43.8	56.3	71.1	104.3	153.1	262.4	406.1
-52.5°	0.0	11.7	22.4	31.0	41.3	52.4	66.3	89.0	126.6	207.9	309.9
-55°	0.0	11.1	21.4	29.5	38.7	49.0	61.4	74.4	108.6	151.6	247.4
-57.5°	0.0	10.4	20.3	27.9	36.1	45.7	56.3	68.5	90.1	122.7	183.3
-60°	0.0	9.6	19.3	26.4	33.4	42.3	51.2	62.4	73.6	101.4	131.2
-62.5°	0.0	8.9	17.8	24.7	31.2	38.9	47.1	56.2	66.5	79.5	107.0
-65°	0.0	8.2	16.3	23.1	29.0	35.3	42.8	50.3	59.3	68.5	82.4
-67.5°	0.0	7.4	14.8	21.4	26.7	32.1	38.5	45.2	51.9	60.3	68.5
-70°	0.0	6.6	13.2	19.6	24.4	29.2	34.1	40.1	46.0	51.9	59.3
-72.5°	0.0	5.8	11.6	17.4	22.1	26.3	30.5	34.9	40.1	45.2	50.3
-75°	0.0	5.0	10.0	14.9	19.7	23.3	26.9	30.5	34.1	38.5	42.8
-77.5°	0.0	4.2	8.3	12.5	16.6	20.4	23.3	26.3	29.2	32.1	35.3
-80°	0.0	3.4	6.7	10.0	13.3	16.6	19.7	22.1	24.4	26.7	29.0
-82.5°	0.0	2.5	5.0	7.5	10.0	12.5	14.9	17.4	19.6	21.4	23.1
-85°	0.0	1.7	3.4	5.0	6.7	8.3	10.0	11.6	13.2	14.8	16.3
-87.5°	0.0	0.8	1.7	2.5	3.4	4.2	5.0	5.8	6.6	7.4	8.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-LS-16-1200R-57-70-2S-S

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°	8.9	9.6	10.4	11.1	11.7	12.4	13.0	13.6	14.2	14.8	15.3
85°	17.8	19.3	20.3	21.4	22.4	23.3	24.3	25.2	26.0	26.8	27.6
82.5°	24.7	26.4	27.9	29.5	31.0	32.4	33.9	35.7	37.3	38.9	40.4
80°	31.2	33.4	36.1	38.7	41.3	43.8	46.1	48.4	50.6	53.0	55.6
77.5°	38.9	42.3	45.7	49.0	52.4	56.3	60.2	63.8	67.4	70.7	74.0
75°	47.1	51.2	56.3	61.4	66.3	71.1	76.8	88.9	100.6	111.7	122.3
72.5°	56.2	62.4	68.5	74.4	89.0	104.3	119.0	133.2	160.8	197.0	231.3
70°	66.5	73.6	90.1	108.6	126.6	153.1	199.9	245.1	288.4	338.6	403.9
67.5°	79.5	101.4	122.7	151.6	207.9	262.4	315.2	398.7	479.7	557.1	635.8
65°	107.0	131.2	183.3	247.4	309.9	406.1	503.4	597.2	706.0	813.3	915.6
62.5°	134.1	199.1	271.3	358.5	472.3	582.9	709.3	837.8	961.4	1095.9	1226.2
60°	199.1	279.3	385.1	512.3	642.7	792.5	937.9	1094.1	1250.1	1400.4	1564.4
57.5°	271.3	385.1	525.7	676.1	842.9	1009.9	1191.7	1367.6	1557.9	1744.8	1926.8
55°	358.5	512.3	676.1	859.8	1049.0	1250.7	1454.1	1671.9	1882.4	2099.6	2307.6
52.5°	472.3	642.7	842.9	1049.0	1270.4	1499.7	1740.8	1981.9	2224.7	2465.4	2714.2
50°	582.9	792.5	1009.9	1250.7	1499.7	1763.9	2031.9	2300.5	2578.4	2856.7	3136.9
47.5°	709.3	937.9	1191.7	1454.1	1740.8	2031.9	2325.9	2635.4	2943.1	3263.1	3573.3
45°	837.8	1094.1	1367.6	1671.9	1981.9	2300.5	2635.4	2972.0	3326.6	3660.0	3946.7
42.5°	961.4	1250.1	1557.9	1882.4	2224.7	2578.4	2943.1	3326.6	3688.0	4003.7	4237.7
40°	1095.9	1400.4	1744.8	2099.6	2465.4	2856.7	3263.1	3660.0	4003.7	4254.8	4445.1
37.5°	1226.2	1564.4	1926.8	2307.6	2714.2	3136.9	3573.3	3946.7	4237.7	4445.1	4801.0
35°	1350.0	1720.3	2109.4	2517.7	2951.7	3414.0	3833.7	4186.6	4410.3	4768.7	5702.4
32.5°	1477.2	1867.6	2282.3	2726.1	3194.5	3666.6	4078.9	4341.2	4672.7	5340.9	7555.7
30°	1603.1	2015.5	2450.1	2922.3	3425.1	3882.2	4239.1	4514.6	4955.8	7002.6	9072.0
27.5°	1720.3	2154.1	2618.5	3117.1	3635.0	4084.5	4367.5	4763.7	6093.7	8488.4	10375.5
25°	1828.5	2282.3	2774.4	3301.6	3808.7	4216.5	4513.2	4996.2	7467.3	9632.8	11015.0
22.5°	1931.1	2399.9	2917.3	3470.8	3968.2	4318.4	4712.3	6027.5	8616.3	10664.2	11456.5
20°	2027.2	2517.7	3052.9	3620.4	4113.0	4411.0	4893.4	7104.3	9518.9	11040.9	11839.1
17.5°	2112.7	2622.6	3178.0	3739.0	4198.7	4525.7	5174.6	8071.3	10331.3	11380.7	12174.3
15°	2187.4	2714.2	3287.4	3843.0	4265.6	4657.0	5959.5	8759.1	10800.9	11673.7	12471.0
12.5°	2251.0	2792.4	3380.8	3931.7	4322.7	4769.5	6631.9	9326.6	11039.4	11910.2	12711.2
10°	2303.4	2856.7	3457.7	4004.8	4369.8	4862.3	7188.0	9796.6	11237.2	12106.7	12911.3
7.5°	2344.3	2907.0	3517.8	4062.0	4406.7	4935.1	7624.3	10165.6	11392.8	12261.4	13069.1
5°	2373.6	2943.1	3561.0	4103.1	4433.2	4987.4	7937.9	10431.2	11504.9	12373.0	13183.2
2.5°	2391.2	2964.8	3586.9	4127.8	4449.2	5018.9	8126.9	10591.4	11572.5	12440.5	13252.1
0°	2397.1	2972.0	3595.6	4136.1	4454.5	5029.4	8190.1	10644.9	11595.1	12463.0	13275.2
-2.5°	2391.2	2964.8	3586.9	4127.8	4449.2	5018.9	8126.9	10591.4	11572.5	12440.5	13252.1
-5°	2373.6	2943.1	3561.0	4103.1	4433.2	4987.4	7937.9	10431.2	11504.9	12373.0	13183.2
-7.5°	2344.3	2907.0	3517.8	4062.0	4406.7	4935.1	7624.3	10165.6	11392.8	12261.4	13069.1
-10°	2303.4	2856.7	3457.7	4004.8	4369.8	4862.3	7188.0	9796.6	11237.2	12106.7	12911.3
-12.5°	2251.0	2792.4	3380.8	3931.7	4322.7	4769.5	6631.9	9326.6	11039.4	11910.2	12711.2
-15°	2187.4	2714.2	3287.4	3843.0	4265.6	4657.0	5959.5	8759.1	10800.9	11673.7	12471.0
-17.5°	2112.7	2622.6	3178.0	3739.0	4198.7	4525.7	5174.6	8071.3	10331.3	11380.7	12174.3
-20°	2027.2	2517.7	3052.9	3620.4	4113.0	4411.0	4893.4	7104.3	9518.9	11040.9	11839.1



REPORT NUMBER: P699989 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-2S-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1931.1	2399.9	2917.3	3470.8	3968.2	4318.4	4712.3	6027.5	8616.3	10664.2	11456.5
-25°	1828.5	2282.3	2774.4	3301.6	3808.7	4216.5	4513.2	4996.2	7467.3	9632.8	11015.0
-27.5°	1720.3	2154.1	2618.5	3117.1	3635.0	4084.5	4367.5	4763.7	6093.7	8488.4	10375.5
-30°	1603.1	2015.5	2450.1	2922.3	3425.1	3882.2	4239.1	4514.6	4955.8	7002.6	9072.0
-32.5°	1477.2	1867.6	2282.3	2726.1	3194.5	3666.6	4078.9	4341.2	4672.7	5340.9	7555.7
-35°	1350.0	1720.3	2109.4	2517.7	2951.7	3414.0	3833.7	4186.6	4410.3	4768.7	5702.4
-37.5°	1226.2	1564.4	1926.8	2307.6	2714.2	3136.9	3573.3	3946.7	4237.7	4445.1	4801.0
-40°	1095.9	1400.4	1744.8	2099.6	2465.4	2856.7	3263.1	3660.0	4003.7	4254.8	4445.1
-42.5°	961.4	1250.1	1557.9	1882.4	2224.7	2578.4	2943.1	3326.6	3688.0	4003.7	4237.7
-45°	837.8	1094.1	1367.6	1671.9	1981.9	2300.5	2635.4	2972.0	3326.6	3660.0	3946.7
-47.5°	709.3	937.9	1191.7	1454.1	1740.8	2031.9	2325.9	2635.4	2943.1	3263.1	3573.3
-50°	582.9	792.5	1009.9	1250.7	1499.7	1763.9	2031.9	2300.5	2578.4	2856.7	3136.9
-52.5°	472.3	642.7	842.9	1049.0	1270.4	1499.7	1740.8	1981.9	2224.7	2465.4	2714.2
-55°	358.5	512.3	676.1	859.8	1049.0	1250.7	1454.1	1671.9	1882.4	2099.6	2307.6
-57.5°	271.3	385.1	525.7	676.1	842.9	1009.9	1191.7	1367.6	1557.9	1744.8	1926.8
-60°	199.1	279.3	385.1	512.3	642.7	792.5	937.9	1094.1	1250.1	1400.4	1564.4
-62.5°	134.1	199.1	271.3	358.5	472.3	582.9	709.3	837.8	961.4	1095.9	1226.2
-65°	107.0	131.2	183.3	247.4	309.9	406.1	503.4	597.2	706.0	813.3	915.6
-67.5°	79.5	101.4	122.7	151.6	207.9	262.4	315.2	398.7	479.7	557.1	635.8
-70°	66.5	73.6	90.1	108.6	126.6	153.1	199.9	245.1	288.4	338.6	403.9
-72.5°	56.2	62.4	68.5	74.4	89.0	104.3	119.0	133.2	160.8	197.0	231.3
-75°	47.1	51.2	56.3	61.4	66.3	71.1	76.8	88.9	100.6	111.7	122.3
-77.5°	38.9	42.3	45.7	49.0	52.4	56.3	60.2	63.8	67.4	70.7	74.0
-80°	31.2	33.4	36.1	38.7	41.3	43.8	46.1	48.4	50.6	53.0	55.6
-82.5°	24.7	26.4	27.9	29.5	31.0	32.4	33.9	35.7	37.3	38.9	40.4
-85°	17.8	19.3	20.3	21.4	22.4	23.3	24.3	25.2	26.0	26.8	27.6
-87.5°	8.9	9.6	10.4	11.1	11.7	12.4	13.0	13.6	14.2	14.8	15.3
-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: P699989 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-2S-S

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°	15.8	16.3	16.7	17.1	17.5	17.8	18.1	18.4	18.6	18.8	19.0
85°	28.4	29.0	29.7	30.3	30.8	31.3	31.8	32.2	32.5	32.8	33.1
82.5°	41.8	43.1	44.4	45.5	46.6	47.5	48.4	49.2	49.8	50.4	50.9
80°	58.0	60.3	62.4	64.4	66.2	67.8	69.3	70.6	71.8	72.8	73.6
77.5°	80.4	88.2	95.5	102.3	108.5	114.2	119.3	123.9	127.8	131.2	134.0
75°	132.3	146.6	171.0	193.7	214.6	233.6	250.8	266.0	279.3	290.6	299.8
72.5°	263.9	294.5	327.6	371.6	412.2	449.3	482.7	512.3	538.1	560.1	578.1
70°	465.8	524.0	578.6	633.8	691.9	744.8	792.5	835.0	872.0	903.4	929.3
67.5°	722.7	804.6	881.2	952.6	1024.9	1094.1	1156.6	1212.1	1260.6	1301.8	1335.7
65°	1018.3	1123.8	1222.8	1314.8	1400.4	1489.4	1569.8	1641.4	1703.8	1757.0	1800.7
62.5°	1350.0	1477.2	1603.1	1720.3	1828.5	1931.1	2027.2	2112.7	2187.4	2251.0	2303.4
60°	1720.3	1867.6	2015.5	2154.1	2282.3	2399.9	2517.7	2622.6	2714.2	2792.4	2856.7
57.5°	2109.4	2282.3	2450.1	2618.5	2774.4	2917.3	3052.9	3178.0	3287.4	3380.8	3457.7
55°	2517.7	2726.1	2922.3	3117.1	3301.6	3470.8	3620.4	3739.0	3843.0	3931.7	4004.8
52.5°	2951.7	3194.5	3425.1	3635.0	3808.7	3968.2	4113.0	4198.7	4265.6	4322.7	4369.8
50°	3414.0	3666.6	3882.2	4084.5	4216.5	4318.4	4411.0	4525.7	4657.0	4769.5	4862.3
47.5°	3833.7	4078.9	4239.1	4367.5	4513.2	4712.3	4893.4	5174.6	5959.5	6631.9	7188.0
45°	4186.6	4341.2	4514.6	4763.7	4996.2	6027.5	7104.3	8071.3	8759.1	9326.6	9796.6
42.5°	4410.3	4672.7	4955.8	6093.7	7467.3	8616.3	9518.9	10331.3	10800.9	11039.4	11237.2
40°	4768.7	5340.9	7002.6	8488.4	9632.8	10664.2	11040.9	11380.7	11673.7	11910.2	12106.7
37.5°	5702.4	7555.7	9072.0	10375.5	11015.0	11456.5	11839.1	12174.3	12471.0	12711.2	12911.3
35°	7741.4	9367.1	10715.8	11253.7	11746.7	12179.3	12570.7	12909.4	13210.7	13471.0	13688.0
32.5°	9367.1	10774.7	11374.6	11916.5	12411.3	12848.5	13250.0	13614.5	13939.8	14246.0	14523.2
30°	10715.8	11374.6	11973.6	12524.8	13018.6	13482.3	13912.4	14343.6	14756.5	15139.5	15522.9
27.5°	11253.7	11916.5	12524.8	13075.8	13600.4	14097.2	14638.2	15163.2	15730.3	16227.8	17353.4
25°	11746.7	12411.3	13018.6	13600.4	14169.5	14788.3	15459.0	16138.8	17641.2	19102.6	22724.4
22.5°	12179.3	12848.5	13482.3	14097.2	14788.3	15559.0	16546.7	18520.0	22640.6	28505.2	36885.2
20°	12570.7	13250.0	13912.4	14638.2	15459.0	16546.7	18818.1	24936.9	33410.0	49337.8	64814.0
17.5°	12909.4	13614.5	14343.6	15163.2	16138.8	18520.0	24936.9	36454.4	55793.8	81559.4	106637.1
15°	13210.7	13939.8	14756.5	15730.3	17641.2	22640.6	33410.0	55793.8	87303.1	124578.3	167251.7
12.5°	13471.0	14246.0	15139.5	16227.8	19102.6	28505.2	49337.8	81559.4	124578.3	177616.2	248200.4
10°	13688.0	14523.2	15522.9	17353.4	22724.4	36885.2	64814.0	106637.1	167251.7	248200.4	333075.1
7.5°	13859.7	14743.0	15828.1	18256.0	26378.4	46925.5	83191.9	137361.7	214331.5	311904.3	420703.3
5°	13984.0	14902.4	16050.0	18914.7	29056.7	54327.5	96845.6	161010.8	255407.1	367664.5	493471.8
2.5°	14059.2	14999.1	16184.8	19315.8	30692.9	58868.5	105270.7	175723.6	281269.4	405873.4	540798.1
0°	14084.4	15031.5	16230.0	19450.5	31243.3	60399.7	108120.5	180722.6	290116.7	419427.2	557417.4
-2.5°	14059.2	14999.1	16184.8	19315.8	30692.9	58868.5	105270.7	175723.6	281269.4	405873.4	540798.1
-5°	13984.0	14902.4	16050.0	18914.7	29056.7	54327.5	96845.6	161010.8	255407.1	367664.5	493471.8
-7.5°	13859.7	14743.0	15828.1	18256.0	26378.4	46925.5	83191.9	137361.7	214331.5	311904.3	420703.3
-10°	13688.0	14523.2	15522.9	17353.4	22724.4	36885.2	64814.0	106637.1	167251.7	248200.4	333075.1
-12.5°	13471.0	14246.0	15139.5	16227.8	19102.6	28505.2	49337.8	81559.4	124578.3	177616.2	248200.4
-15°	13210.7	13939.8	14756.5	15730.3	17641.2	22640.6	33410.0	55793.8	87303.1	124578.3	167251.7
-17.5°	12909.4	13614.5	14343.6	15163.2	16138.8	18520.0	24936.9	36454.4	55793.8	81559.4	106637.1
-20°	12570.7	13250.0	13912.4	14638.2	15459.0	16546.7	18818.1	24936.9	33410.0	49337.8	64814.0



REPORT NUMBER: P699989 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-2S-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	12179.3	12848.5	13482.3	14097.2	14788.3	15559.0	16546.7	18520.0	22640.6	28505.2	36885.2
-25°	11746.7	12411.3	13018.6	13600.4	14169.5	14788.3	15459.0	16138.8	17641.2	19102.6	22724.4
-27.5°	11253.7	11916.5	12524.8	13075.8	13600.4	14097.2	14638.2	15163.2	15730.3	16227.8	17353.4
-30°	10715.8	11374.6	11973.6	12524.8	13018.6	13482.3	13912.4	14343.6	14756.5	15139.5	15522.9
-32.5°	9367.1	10774.7	11374.6	11916.5	12411.3	12848.5	13250.0	13614.5	13939.8	14246.0	14523.2
-35°	7741.4	9367.1	10715.8	11253.7	11746.7	12179.3	12570.7	12909.4	13210.7	13471.0	13688.0
-37.5°	5702.4	7555.7	9072.0	10375.5	11015.0	11456.5	11839.1	12174.3	12471.0	12711.2	12911.3
-40°	4768.7	5340.9	7002.6	8488.4	9632.8	10664.2	11040.9	11380.7	11673.7	11910.2	12106.7
-42.5°	4410.3	4672.7	4955.8	6093.7	7467.3	8616.3	9518.9	10331.3	10800.9	11039.4	11237.2
-45°	4186.6	4341.2	4514.6	4763.7	4996.2	6027.5	7104.3	8071.3	8759.1	9326.6	9796.6
-47.5°	3833.7	4078.9	4239.1	4367.5	4513.2	4712.3	4893.4	5174.6	5959.5	6631.9	7188.0
-50°	3414.0	3666.6	3882.2	4084.5	4216.5	4318.4	4411.0	4525.7	4657.0	4769.5	4862.3
-52.5°	2951.7	3194.5	3425.1	3635.0	3808.7	3968.2	4113.0	4198.7	4265.6	4322.7	4369.8
-55°	2517.7	2726.1	2922.3	3117.1	3301.6	3470.8	3620.4	3739.0	3843.0	3931.7	4004.8
-57.5°	2109.4	2282.3	2450.1	2618.5	2774.4	2917.3	3052.9	3178.0	3287.4	3380.8	3457.7
-60°	1720.3	1867.6	2015.5	2154.1	2282.3	2399.9	2517.7	2622.6	2714.2	2792.4	2856.7
-62.5°	1350.0	1477.2	1603.1	1720.3	1828.5	1931.1	2027.2	2112.7	2187.4	2251.0	2303.4
-65°	1018.3	1123.8	1222.8	1314.8	1400.4	1489.4	1569.8	1641.4	1703.8	1757.0	1800.7
-67.5°	722.7	804.6	881.2	952.6	1024.9	1094.1	1156.6	1212.1	1260.6	1301.8	1335.7
-70°	465.8	524.0	578.6	633.8	691.9	744.8	792.5	835.0	872.0	903.4	929.3
-72.5°	263.9	294.5	327.6	371.6	412.2	449.3	482.7	512.3	538.1	560.1	578.1
-75°	132.3	146.6	171.0	193.7	214.6	233.6	250.8	266.0	279.3	290.6	299.8
-77.5°	80.4	88.2	95.5	102.3	108.5	114.2	119.3	123.9	127.8	131.2	134.0
-80°	58.0	60.3	62.4	64.4	66.2	67.8	69.3	70.6	71.8	72.8	73.6
-82.5°	41.8	43.1	44.4	45.5	46.6	47.5	48.4	49.2	49.8	50.4	50.9
-85°	28.4	29.0	29.7	30.3	30.8	31.3	31.8	32.2	32.5	32.8	33.1
-87.5°	15.8	16.3	16.7	17.1	17.5	17.8	18.1	18.4	18.6	18.8	19.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P699989 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-2S-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	19.1	19.2	19.3	19.3	19.3	19.2	19.1	19.0	18.8	18.6	18.4
85°	33.3	33.4	33.5	33.5	33.5	33.4	33.3	33.1	32.8	32.5	32.2
82.5°	51.2	51.5	51.6	51.7	51.6	51.5	51.2	50.9	50.4	49.8	49.2
80°	74.2	74.6	74.9	75.0	74.9	74.6	74.2	73.6	72.8	71.8	70.6
77.5°	136.1	137.7	138.6	138.9	138.6	137.7	136.1	134.0	131.2	127.8	123.9
75°	307.1	312.3	315.4	316.4	315.4	312.3	307.1	299.8	290.6	279.3	266.0
72.5°	592.2	602.3	608.4	610.4	608.4	602.3	592.2	578.1	560.1	538.1	512.3
70°	949.5	963.9	972.6	975.5	972.6	963.9	949.5	929.3	903.4	872.0	835.0
67.5°	1362.1	1381.1	1392.5	1396.3	1392.5	1381.1	1362.1	1335.7	1301.8	1260.6	1212.1
65°	1834.8	1859.3	1874.0	1878.9	1874.0	1859.3	1834.8	1800.7	1757.0	1703.8	1641.4
62.5°	2344.3	2373.6	2391.2	2397.1	2391.2	2373.6	2344.3	2303.4	2251.0	2187.4	2112.7
60°	2907.0	2943.1	2964.8	2972.0	2964.8	2943.1	2907.0	2856.7	2792.4	2714.2	2622.6
57.5°	3517.8	3561.0	3586.9	3595.6	3586.9	3561.0	3517.8	3457.7	3380.8	3287.4	3178.0
55°	4062.0	4103.1	4127.8	4136.1	4127.8	4103.1	4062.0	4004.8	3931.7	3843.0	3739.0
52.5°	4406.7	4433.2	4449.2	4454.5	4449.2	4433.2	4406.7	4369.8	4322.7	4265.6	4198.7
50°	4935.1	4987.4	5018.9	5029.4	5018.9	4987.4	4935.1	4862.3	4769.5	4657.0	4525.7
47.5°	7624.3	7937.9	8126.9	8190.1	8126.9	7937.9	7624.3	7188.0	6631.9	5959.5	5174.6
45°	10165.6	10431.2	10591.4	10644.9	10591.4	10431.2	10165.6	9796.6	9326.6	8759.1	8071.3
42.5°	11392.8	11504.9	11572.5	11595.1	11572.5	11504.9	11392.8	11237.2	11039.4	10800.9	10331.3
40°	12261.4	12373.0	12440.5	12463.0	12440.5	12373.0	12261.4	12106.7	11910.2	11673.7	11380.7
37.5°	13069.1	13183.2	13252.1	13275.2	13252.1	13183.2	13069.1	12911.3	12711.2	12471.0	12174.3
35°	13859.7	13984.0	14059.2	14084.4	14059.2	13984.0	13859.7	13688.0	13471.0	13210.7	12909.4
32.5°	14743.0	14902.4	14999.1	15031.5	14999.1	14902.4	14743.0	14523.2	14246.0	13939.8	13614.5
30°	15828.1	16050.0	16184.8	16230.0	16184.8	16050.0	15828.1	15522.9	15139.5	14756.5	14343.6
27.5°	18256.0	18914.7	19315.8	19450.5	19315.8	18914.7	18256.0	17353.4	16227.8	15730.3	15163.2
25°	26378.4	29056.7	30692.9	31243.3	30692.9	29056.7	26378.4	22724.4	19102.6	17641.2	16138.8
22.5°	46925.5	54327.5	58868.5	60399.7	58868.5	54327.5	46925.5	36885.2	28505.2	22640.6	18520.0
20°	83191.9	96845.6	105270.7	108120.5	105270.7	96845.6	83191.9	64814.0	49337.8	33410.0	24936.9
17.5°	137361.7	161010.8	175723.6	180722.6	175723.6	161010.8	137361.7	106637.1	81559.4	55793.8	36454.4
15°	214331.5	255407.1	281269.4	290116.7	281269.4	255407.1	214331.5	167251.7	124578.3	87303.1	55793.8
12.5°	311904.3	367664.5	405873.4	419427.2	405873.4	367664.5	311904.3	248200.4	177616.2	124578.3	81559.4
10°	420703.3	493471.8	540798.1	557417.4	540798.1	493471.8	420703.3	333075.1	248200.4	167251.7	106637.1
7.5°	525157.8	614890.0	679134.2	701017.1	679134.2	614890.0	525157.8	420703.3	311904.3	214331.5	137361.7
5°	614890.0	724526.9	790265.9	813309.7	790265.9	724526.9	614890.0	493471.8	367664.5	255407.1	161010.8
2.5°	679134.2	790265.9	864687.0	898622.8	864687.0	790265.9	679134.2	540798.1	405873.4	281269.4	175723.6
0°	701017.1	813309.7	898622.8	945713.3	898622.8	813309.7	701017.1	557417.4	419427.2	290116.7	180722.6
-2.5°	679134.2	790265.9	864687.0	898622.8	864687.0	790265.9	679134.2	540798.1	405873.4	281269.4	175723.6
-5°	614890.0	724526.9	790265.9	813309.7	790265.9	724526.9	614890.0	493471.8	367664.5	255407.1	161010.8
-7.5°	525157.8	614890.0	679134.2	701017.1	679134.2	614890.0	525157.8	420703.3	311904.3	214331.5	137361.7
-10°	420703.3	493471.8	540798.1	557417.4	540798.1	493471.8	420703.3	333075.1	248200.4	167251.7	106637.1
-12.5°	311904.3	367664.5	405873.4	419427.2	405873.4	367664.5	311904.3	248200.4	177616.2	124578.3	81559.4
-15°	214331.5	255407.1	281269.4	290116.7	281269.4	255407.1	214331.5	167251.7	124578.3	87303.1	55793.8
-17.5°	137361.7	161010.8	175723.6	180722.6	175723.6	161010.8	137361.7	106637.1	81559.4	55793.8	36454.4
-20°	83191.9	96845.6	105270.7	108120.5	105270.7	96845.6	83191.9	64814.0	49337.8	33410.0	24936.9



REPORT NUMBER: P699989 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-2S-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	46925.5	54327.5	58868.5	60399.7	58868.5	54327.5	46925.5	36885.2	28505.2	22640.6	18520.0
-25°	26378.4	29056.7	30692.9	31243.3	30692.9	29056.7	26378.4	22724.4	19102.6	17641.2	16138.8
-27.5°	18256.0	18914.7	19315.8	19450.5	19315.8	18914.7	18256.0	17353.4	16227.8	15730.3	15163.2
-30°	15828.1	16050.0	16184.8	16230.0	16184.8	16050.0	15828.1	15522.9	15139.5	14756.5	14343.6
-32.5°	14743.0	14902.4	14999.1	15031.5	14999.1	14902.4	14743.0	14523.2	14246.0	13939.8	13614.5
-35°	13859.7	13984.0	14059.2	14084.4	14059.2	13984.0	13859.7	13688.0	13471.0	13210.7	12909.4
-37.5°	13069.1	13183.2	13252.1	13275.2	13252.1	13183.2	13069.1	12911.3	12711.2	12471.0	12174.3
-40°	12261.4	12373.0	12440.5	12463.0	12440.5	12373.0	12261.4	12106.7	11910.2	11673.7	11380.7
-42.5°	11392.8	11504.9	11572.5	11595.1	11572.5	11504.9	11392.8	11237.2	11039.4	10800.9	10331.3
-45°	10165.6	10431.2	10591.4	10644.9	10591.4	10431.2	10165.6	9796.6	9326.6	8759.1	8071.3
-47.5°	7624.3	7937.9	8126.9	8190.1	8126.9	7937.9	7624.3	7188.0	6631.9	5959.5	5174.6
-50°	4935.1	4987.4	5018.9	5029.4	5018.9	4987.4	4935.1	4862.3	4769.5	4657.0	4525.7
-52.5°	4406.7	4433.2	4449.2	4454.5	4449.2	4433.2	4406.7	4369.8	4322.7	4265.6	4198.7
-55°	4062.0	4103.1	4127.8	4136.1	4127.8	4103.1	4062.0	4004.8	3931.7	3843.0	3739.0
-57.5°	3517.8	3561.0	3586.9	3595.6	3586.9	3561.0	3517.8	3457.7	3380.8	3287.4	3178.0
-60°	2907.0	2943.1	2964.8	2972.0	2964.8	2943.1	2907.0	2856.7	2792.4	2714.2	2622.6
-62.5°	2344.3	2373.6	2391.2	2397.1	2391.2	2373.6	2344.3	2303.4	2251.0	2187.4	2112.7
-65°	1834.8	1859.3	1874.0	1878.9	1874.0	1859.3	1834.8	1800.7	1757.0	1703.8	1641.4
-67.5°	1362.1	1381.1	1392.5	1396.3	1392.5	1381.1	1362.1	1335.7	1301.8	1260.6	1212.1
-70°	949.5	963.9	972.6	975.5	972.6	963.9	949.5	929.3	903.4	872.0	835.0
-72.5°	592.2	602.3	608.4	610.4	608.4	602.3	592.2	578.1	560.1	538.1	512.3
-75°	307.1	312.3	315.4	316.4	315.4	312.3	307.1	299.8	290.6	279.3	266.0
-77.5°	136.1	137.7	138.6	138.9	138.6	137.7	136.1	134.0	131.2	127.8	123.9
-80°	74.2	74.6	74.9	75.0	74.9	74.6	74.2	73.6	72.8	71.8	70.6
-82.5°	51.2	51.5	51.6	51.7	51.6	51.5	51.2	50.9	50.4	49.8	49.2
-85°	33.3	33.4	33.5	33.5	33.5	33.4	33.3	33.1	32.8	32.5	32.2
-87.5°	19.1	19.2	19.3	19.3	19.3	19.2	19.1	19.0	18.8	18.6	18.4
-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: P699989 (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°	18.1	17.8	17.5	17.1	16.7	16.3	15.8	15.3	14.8	14.2	13.6
85°	31.8	31.3	30.8	30.3	29.7	29.0	28.4	27.6	26.8	26.0	25.2
82.5°	48.4	47.5	46.6	45.5	44.4	43.1	41.8	40.4	38.9	37.3	35.7
80°	69.3	67.8	66.2	64.4	62.4	60.3	58.0	55.6	53.0	50.6	48.4
77.5°	119.3	114.2	108.5	102.3	95.5	88.2	80.4	74.0	70.7	67.4	63.8
75°	250.8	233.6	214.6	193.7	171.0	146.6	132.3	122.3	111.7	100.6	88.9
72.5°	482.7	449.3	412.2	371.6	327.6	294.5	263.9	231.3	197.0	160.8	133.2
70°	792.5	744.8	691.9	633.8	578.6	524.0	465.8	403.9	338.6	288.4	245.1
67.5°	1156.6	1094.1	1024.9	952.6	881.2	804.6	722.7	635.8	557.1	479.7	398.7
65°	1569.8	1489.4	1400.4	1314.8	1222.8	1123.8	1018.3	915.6	813.3	706.0	597.2
62.5°	2027.2	1931.1	1828.5	1720.3	1603.1	1477.2	1350.0	1226.2	1095.9	961.4	837.8
60°	2517.7	2399.9	2282.3	2154.1	2015.5	1867.6	1720.3	1564.4	1400.4	1250.1	1094.1
57.5°	3052.9	2917.3	2774.4	2618.5	2450.1	2282.3	2109.4	1926.8	1744.8	1557.9	1367.6
55°	3620.4	3470.8	3301.6	3117.1	2922.3	2726.1	2517.7	2307.6	2099.6	1882.4	1671.9
52.5°	4113.0	3968.2	3808.7	3635.0	3425.1	3194.5	2951.7	2714.2	2465.4	2224.7	1981.9
50°	4411.0	4318.4	4216.5	4084.5	3882.2	3666.6	3414.0	3136.9	2856.7	2578.4	2300.5
47.5°	4893.4	4712.3	4513.2	4367.5	4239.1	4078.9	3833.7	3573.3	3263.1	2943.1	2635.4
45°	7104.3	6027.5	4996.2	4763.7	4514.6	4341.2	4186.6	3946.7	3660.0	3326.6	2972.0
42.5°	9518.9	8616.3	7467.3	6093.7	4955.8	4672.7	4410.3	4237.7	4003.7	3688.0	3326.6
40°	11040.9	10664.2	9632.8	8488.4	7002.6	5340.9	4768.7	4445.1	4254.8	4003.7	3660.0
37.5°	11839.1	11456.5	11015.0	10375.5	9072.0	7555.7	5702.4	4801.0	4445.1	4237.7	3946.7
35°	12570.7	12179.3	11746.7	11253.7	10715.8	9367.1	7741.4	5702.4	4768.7	4410.3	4186.6
32.5°	13250.0	12848.5	12411.3	11916.5	11374.6	10774.7	9367.1	7555.7	5340.9	4672.7	4341.2
30°	13912.4	13482.3	13018.6	12524.8	11973.6	11374.6	10715.8	9072.0	7002.6	4955.8	4514.6
27.5°	14638.2	14097.2	13600.4	13075.8	12524.8	11916.5	11253.7	10375.5	8488.4	6093.7	4763.7
25°	15459.0	14788.3	14169.5	13600.4	13018.6	12411.3	11746.7	11015.0	9632.8	7467.3	4996.2
22.5°	16546.7	15559.0	14788.3	14097.2	13482.3	12848.5	12179.3	11456.5	10664.2	8616.3	6027.5
20°	18818.1	16546.7	15459.0	14638.2	13912.4	13250.0	12570.7	11839.1	11040.9	9518.9	7104.3
17.5°	24936.9	18520.0	16138.8	15163.2	14343.6	13614.5	12909.4	12174.3	11380.7	10331.3	8071.3
15°	33410.0	22640.6	17641.2	15730.3	14756.5	13939.8	13210.7	12471.0	11673.7	10800.9	8759.1
12.5°	49337.8	28505.2	19102.6	16227.8	15139.5	14246.0	13471.0	12711.2	11910.2	11039.4	9326.6
10°	64814.0	36885.2	22724.4	17353.4	15522.9	14523.2	13688.0	12911.3	12106.7	11237.2	9796.6
7.5°	83191.9	46925.5	26378.4	18256.0	15828.1	14743.0	13859.7	13069.1	12261.4	11392.8	10165.6
5°	96845.6	54327.5	29056.7	18914.7	16050.0	14902.4	13984.0	13183.2	12373.0	11504.9	10431.2
2.5°	105270.7	58868.5	30692.9	19315.8	16184.8	14999.1	14059.2	13252.1	12440.5	11572.5	10591.4
0°	108120.5	60399.7	31243.3	19450.5	16230.0	15031.5	14084.4	13275.2	12463.0	11595.1	10644.9
-2.5°	105270.7	58868.5	30692.9	19315.8	16184.8	14999.1	14059.2	13252.1	12440.5	11572.5	10591.4
-5°	96845.6	54327.5	29056.7	18914.7	16050.0	14902.4	13984.0	13183.2	12373.0	11504.9	10431.2
-7.5°	83191.9	46925.5	26378.4	18256.0	15828.1	14743.0	13859.7	13069.1	12261.4	11392.8	10165.6
-10°	64814.0	36885.2	22724.4	17353.4	15522.9	14523.2	13688.0	12911.3	12106.7	11237.2	9796.6
-12.5°	49337.8	28505.2	19102.6	16227.8	15139.5	14246.0	13471.0	12711.2	11910.2	11039.4	9326.6
-15°	33410.0	22640.6	17641.2	15730.3	14756.5	13939.8	13210.7	12471.0	11673.7	10800.9	8759.1
-17.5°	24936.9	18520.0	16138.8	15163.2	14343.6	13614.5	12909.4	12174.3	11380.7	10331.3	8071.3
-20°	18818.1	16546.7	15459.0	14638.2	13912.4	13250.0	12570.7	11839.1	11040.9	9518.9	7104.3



REPORT NUMBER: P699989 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-2S-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	16546.7	15559.0	14788.3	14097.2	13482.3	12848.5	12179.3	11456.5	10664.2	8616.3	6027.5
-25°	15459.0	14788.3	14169.5	13600.4	13018.6	12411.3	11746.7	11015.0	9632.8	7467.3	4996.2
-27.5°	14638.2	14097.2	13600.4	13075.8	12524.8	11916.5	11253.7	10375.5	8488.4	6093.7	4763.7
-30°	13912.4	13482.3	13018.6	12524.8	11973.6	11374.6	10715.8	9072.0	7002.6	4955.8	4514.6
-32.5°	13250.0	12848.5	12411.3	11916.5	11374.6	10774.7	9367.1	7555.7	5340.9	4672.7	4341.2
-35°	12570.7	12179.3	11746.7	11253.7	10715.8	9367.1	7741.4	5702.4	4768.7	4410.3	4186.6
-37.5°	11839.1	11456.5	11015.0	10375.5	9072.0	7555.7	5702.4	4801.0	4445.1	4237.7	3946.7
-40°	11040.9	10664.2	9632.8	8488.4	7002.6	5340.9	4768.7	4445.1	4254.8	4003.7	3660.0
-42.5°	9518.9	8616.3	7467.3	6093.7	4955.8	4672.7	4410.3	4237.7	4003.7	3688.0	3326.6
-45°	7104.3	6027.5	4996.2	4763.7	4514.6	4341.2	4186.6	3946.7	3660.0	3326.6	2972.0
-47.5°	4893.4	4712.3	4513.2	4367.5	4239.1	4078.9	3833.7	3573.3	3263.1	2943.1	2635.4
-50°	4411.0	4318.4	4216.5	4084.5	3882.2	3666.6	3414.0	3136.9	2856.7	2578.4	2300.5
-52.5°	4113.0	3968.2	3808.7	3635.0	3425.1	3194.5	2951.7	2714.2	2465.4	2224.7	1981.9
-55°	3620.4	3470.8	3301.6	3117.1	2922.3	2726.1	2517.7	2307.6	2099.6	1882.4	1671.9
-57.5°	3052.9	2917.3	2774.4	2618.5	2450.1	2282.3	2109.4	1926.8	1744.8	1557.9	1367.6
-60°	2517.7	2399.9	2282.3	2154.1	2015.5	1867.6	1720.3	1564.4	1400.4	1250.1	1094.1
-62.5°	2027.2	1931.1	1828.5	1720.3	1603.1	1477.2	1350.0	1226.2	1095.9	961.4	837.8
-65°	1569.8	1489.4	1400.4	1314.8	1222.8	1123.8	1018.3	915.6	813.3	706.0	597.2
-67.5°	1156.6	1094.1	1024.9	952.6	881.2	804.6	722.7	635.8	557.1	479.7	398.7
-70°	792.5	744.8	691.9	633.8	578.6	524.0	465.8	403.9	338.6	288.4	245.1
-72.5°	482.7	449.3	412.2	371.6	327.6	294.5	263.9	231.3	197.0	160.8	133.2
-75°	250.8	233.6	214.6	193.7	171.0	146.6	132.3	122.3	111.7	100.6	88.9
-77.5°	119.3	114.2	108.5	102.3	95.5	88.2	80.4	74.0	70.7	67.4	63.8
-80°	69.3	67.8	66.2	64.4	62.4	60.3	58.0	55.6	53.0	50.6	48.4
-82.5°	48.4	47.5	46.6	45.5	44.4	43.1	41.8	40.4	38.9	37.3	35.7
-85°	31.8	31.3	30.8	30.3	29.7	29.0	28.4	27.6	26.8	26.0	25.2
-87.5°	18.1	17.8	17.5	17.1	16.7	16.3	15.8	15.3	14.8	14.2	13.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P699989 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-70-2S-S

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°	13.0	12.4	11.7	11.1	10.4	9.6	8.9	8.2	7.4	6.6	5.8
85°	24.3	23.3	22.4	21.4	20.3	19.3	17.8	16.3	14.8	13.2	11.6
82.5°	33.9	32.4	31.0	29.5	27.9	26.4	24.7	23.1	21.4	19.6	17.4
80°	46.1	43.8	41.3	38.7	36.1	33.4	31.2	29.0	26.7	24.4	22.1
77.5°	60.2	56.3	52.4	49.0	45.7	42.3	38.9	35.3	32.1	29.2	26.3
75°	76.8	71.1	66.3	61.4	56.3	51.2	47.1	42.8	38.5	34.1	30.5
72.5°	119.0	104.3	89.0	74.4	68.5	62.4	56.2	50.3	45.2	40.1	34.9
70°	199.9	153.1	126.6	108.6	90.1	73.6	66.5	59.3	51.9	46.0	40.1
67.5°	315.2	262.4	207.9	151.6	122.7	101.4	79.5	68.5	60.3	51.9	45.2
65°	503.4	406.1	309.9	247.4	183.3	131.2	107.0	82.4	68.5	59.3	50.3
62.5°	709.3	582.9	472.3	358.5	271.3	199.1	134.1	107.0	79.5	66.5	56.2
60°	937.9	792.5	642.7	512.3	385.1	279.3	199.1	131.2	101.4	73.6	62.4
57.5°	1191.7	1009.9	842.9	676.1	525.7	385.1	271.3	183.3	122.7	90.1	68.5
55°	1454.1	1250.7	1049.0	859.8	676.1	512.3	358.5	247.4	151.6	108.6	74.4
52.5°	1740.8	1499.7	1270.4	1049.0	842.9	642.7	472.3	309.9	207.9	126.6	89.0
50°	2031.9	1763.9	1499.7	1250.7	1009.9	792.5	582.9	406.1	262.4	153.1	104.3
47.5°	2325.9	2031.9	1740.8	1454.1	1191.7	937.9	709.3	503.4	315.2	199.9	119.0
45°	2635.4	2300.5	1981.9	1671.9	1367.6	1094.1	837.8	597.2	398.7	245.1	133.2
42.5°	2943.1	2578.4	2224.7	1882.4	1557.9	1250.1	961.4	706.0	479.7	288.4	160.8
40°	3263.1	2856.7	2465.4	2099.6	1744.8	1400.4	1095.9	813.3	557.1	338.6	197.0
37.5°	3573.3	3136.9	2714.2	2307.6	1926.8	1564.4	1226.2	915.6	635.8	403.9	231.3
35°	3833.7	3414.0	2951.7	2517.7	2109.4	1720.3	1350.0	1018.3	722.7	465.8	263.9
32.5°	4078.9	3666.6	3194.5	2726.1	2282.3	1867.6	1477.2	1123.8	804.6	524.0	294.5
30°	4239.1	3882.2	3425.1	2922.3	2450.1	2015.5	1603.1	1222.8	881.2	578.6	327.6
27.5°	4367.5	4084.5	3635.0	3117.1	2618.5	2154.1	1720.3	1314.8	952.6	633.8	371.6
25°	4513.2	4216.5	3808.7	3301.6	2774.4	2282.3	1828.5	1400.4	1024.9	691.9	412.2
22.5°	4712.3	4318.4	3968.2	3470.8	2917.3	2399.9	1931.1	1489.4	1094.1	744.8	449.3
20°	4893.4	4411.0	4113.0	3620.4	3052.9	2517.7	2027.2	1569.8	1156.6	792.5	482.7
17.5°	5174.6	4525.7	4198.7	3739.0	3178.0	2622.6	2112.7	1641.4	1212.1	835.0	512.3
15°	5959.5	4657.0	4265.6	3843.0	3287.4	2714.2	2187.4	1703.8	1260.6	872.0	538.1
12.5°	6631.9	4769.5	4322.7	3931.7	3380.8	2792.4	2251.0	1757.0	1301.8	903.4	560.1
10°	7188.0	4862.3	4369.8	4004.8	3457.7	2856.7	2303.4	1800.7	1335.7	929.3	578.1
7.5°	7624.3	4935.1	4406.7	4062.0	3517.8	2907.0	2344.3	1834.8	1362.1	949.5	592.2
5°	7937.9	4987.4	4433.2	4103.1	3561.0	2943.1	2373.6	1859.3	1381.1	963.9	602.3
2.5°	8126.9	5018.9	4449.2	4127.8	3586.9	2964.8	2391.2	1874.0	1392.5	972.6	608.4
0°	8190.1	5029.4	4454.5	4136.1	3595.6	2972.0	2397.1	1878.9	1396.3	975.5	610.4
-2.5°	8126.9	5018.9	4449.2	4127.8	3586.9	2964.8	2391.2	1874.0	1392.5	972.6	608.4
-5°	7937.9	4987.4	4433.2	4103.1	3561.0	2943.1	2373.6	1859.3	1381.1	963.9	602.3
-7.5°	7624.3	4935.1	4406.7	4062.0	3517.8	2907.0	2344.3	1834.8	1362.1	949.5	592.2
-10°	7188.0	4862.3	4369.8	4004.8	3457.7	2856.7	2303.4	1800.7	1335.7	929.3	578.1
-12.5°	6631.9	4769.5	4322.7	3931.7	3380.8	2792.4	2251.0	1757.0	1301.8	903.4	560.1
-15°	5959.5	4657.0	4265.6	3843.0	3287.4	2714.2	2187.4	1703.8	1260.6	872.0	538.1
-17.5°	5174.6	4525.7	4198.7	3739.0	3178.0	2622.6	2112.7	1641.4	1212.1	835.0	512.3
-20°	4893.4	4411.0	4113.0	3620.4	3052.9	2517.7	2027.2	1569.8	1156.6	792.5	482.7



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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°	4712.3	4318.4	3968.2	3470.8	2917.3	2399.9	1931.1	1489.4	1094.1	744.8	449.3
-25°	4513.2	4216.5	3808.7	3301.6	2774.4	2282.3	1828.5	1400.4	1024.9	691.9	412.2
-27.5°	4367.5	4084.5	3635.0	3117.1	2618.5	2154.1	1720.3	1314.8	952.6	633.8	371.6
-30°	4239.1	3882.2	3425.1	2922.3	2450.1	2015.5	1603.1	1222.8	881.2	578.6	327.6
-32.5°	4078.9	3666.6	3194.5	2726.1	2282.3	1867.6	1477.2	1123.8	804.6	524.0	294.5
-35°	3833.7	3414.0	2951.7	2517.7	2109.4	1720.3	1350.0	1018.3	722.7	465.8	263.9
-37.5°	3573.3	3136.9	2714.2	2307.6	1926.8	1564.4	1226.2	915.6	635.8	403.9	231.3
-40°	3263.1	2856.7	2465.4	2099.6	1744.8	1400.4	1095.9	813.3	557.1	338.6	197.0
-42.5°	2943.1	2578.4	2224.7	1882.4	1557.9	1250.1	961.4	706.0	479.7	288.4	160.8
-45°	2635.4	2300.5	1981.9	1671.9	1367.6	1094.1	837.8	597.2	398.7	245.1	133.2
-47.5°	2325.9	2031.9	1740.8	1454.1	1191.7	937.9	709.3	503.4	315.2	199.9	119.0
-50°	2031.9	1763.9	1499.7	1250.7	1009.9	792.5	582.9	406.1	262.4	153.1	104.3
-52.5°	1740.8	1499.7	1270.4	1049.0	842.9	642.7	472.3	309.9	207.9	126.6	89.0
-55°	1454.1	1250.7	1049.0	859.8	676.1	512.3	358.5	247.4	151.6	108.6	74.4
-57.5°	1191.7	1009.9	842.9	676.1	525.7	385.1	271.3	183.3	122.7	90.1	68.5
-60°	937.9	792.5	642.7	512.3	385.1	279.3	199.1	131.2	101.4	73.6	62.4
-62.5°	709.3	582.9	472.3	358.5	271.3	199.1	134.1	107.0	79.5	66.5	56.2
-65°	503.4	406.1	309.9	247.4	183.3	131.2	107.0	82.4	68.5	59.3	50.3
-67.5°	315.2	262.4	207.9	151.6	122.7	101.4	79.5	68.5	60.3	51.9	45.2
-70°	199.9	153.1	126.6	108.6	90.1	73.6	66.5	59.3	51.9	46.0	40.1
-72.5°	119.0	104.3	89.0	74.4	68.5	62.4	56.2	50.3	45.2	40.1	34.9
-75°	76.8	71.1	66.3	61.4	56.3	51.2	47.1	42.8	38.5	34.1	30.5
-77.5°	60.2	56.3	52.4	49.0	45.7	42.3	38.9	35.3	32.1	29.2	26.3
-80°	46.1	43.8	41.3	38.7	36.1	33.4	31.2	29.0	26.7	24.4	22.1
-82.5°	33.9	32.4	31.0	29.5	27.9	26.4	24.7	23.1	21.4	19.6	17.4
-85°	24.3	23.3	22.4	21.4	20.3	19.3	17.8	16.3	14.8	13.2	11.6
-87.5°	13.0	12.4	11.7	11.1	10.4	9.6	8.9	8.2	7.4	6.6	5.8
-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):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.0	4.2	3.4	2.5	1.7	0.8	0.0
85°	10.0	8.3	6.7	5.0	3.4	1.7	0.0
82.5°	14.9	12.5	10.0	7.5	5.0	2.5	0.0
80°	19.7	16.6	13.3	10.0	6.7	3.4	0.0
77.5°	23.3	20.4	16.6	12.5	8.3	4.2	0.0
75°	26.9	23.3	19.7	14.9	10.0	5.0	0.0
72.5°	30.5	26.3	22.1	17.4	11.6	5.8	0.0
70°	34.1	29.2	24.4	19.6	13.2	6.6	0.0
67.5°	38.5	32.1	26.7	21.4	14.8	7.4	0.0
65°	42.8	35.3	29.0	23.1	16.3	8.2	0.0
62.5°	47.1	38.9	31.2	24.7	17.8	8.9	0.0
60°	51.2	42.3	33.4	26.4	19.3	9.6	0.0
57.5°	56.3	45.7	36.1	27.9	20.3	10.4	0.0
55°	61.4	49.0	38.7	29.5	21.4	11.1	0.0
52.5°	66.3	52.4	41.3	31.0	22.4	11.7	0.0
50°	71.1	56.3	43.8	32.4	23.3	12.4	0.0
47.5°	76.8	60.2	46.1	33.9	24.3	13.0	0.0
45°	88.9	63.8	48.4	35.7	25.2	13.6	0.0
42.5°	100.6	67.4	50.6	37.3	26.0	14.2	0.0
40°	111.7	70.7	53.0	38.9	26.8	14.8	0.0
37.5°	122.3	74.0	55.6	40.4	27.6	15.3	0.0
35°	132.3	80.4	58.0	41.8	28.4	15.8	0.0
32.5°	146.6	88.2	60.3	43.1	29.0	16.3	0.0
30°	171.0	95.5	62.4	44.4	29.7	16.7	0.0
27.5°	193.7	102.3	64.4	45.5	30.3	17.1	0.0
25°	214.6	108.5	66.2	46.6	30.8	17.5	0.0
22.5°	233.6	114.2	67.8	47.5	31.3	17.8	0.0
20°	250.8	119.3	69.3	48.4	31.8	18.1	0.0
17.5°	266.0	123.9	70.6	49.2	32.2	18.4	0.0
15°	279.3	127.8	71.8	49.8	32.5	18.6	0.0
12.5°	290.6	131.2	72.8	50.4	32.8	18.8	0.0
10°	299.8	134.0	73.6	50.9	33.1	19.0	0.0
7.5°	307.1	136.1	74.2	51.2	33.3	19.1	0.0
5°	312.3	137.7	74.6	51.5	33.4	19.2	0.0
2.5°	315.4	138.6	74.9	51.6	33.5	19.3	0.0
0°	316.4	138.9	75.0	51.7	33.5	19.3	0.0
-2.5°	315.4	138.6	74.9	51.6	33.5	19.3	0.0
-5°	312.3	137.7	74.6	51.5	33.4	19.2	0.0
-7.5°	307.1	136.1	74.2	51.2	33.3	19.1	0.0
-10°	299.8	134.0	73.6	50.9	33.1	19.0	0.0
-12.5°	290.6	131.2	72.8	50.4	32.8	18.8	0.0
-15°	279.3	127.8	71.8	49.8	32.5	18.6	0.0
-17.5°	266.0	123.9	70.6	49.2	32.2	18.4	0.0
-20°	250.8	119.3	69.3	48.4	31.8	18.1	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	233.6	114.2	67.8	47.5	31.3	17.8	0.0
-25°	214.6	108.5	66.2	46.6	30.8	17.5	0.0
-27.5°	193.7	102.3	64.4	45.5	30.3	17.1	0.0
-30°	171.0	95.5	62.4	44.4	29.7	16.7	0.0
-32.5°	146.6	88.2	60.3	43.1	29.0	16.3	0.0
-35°	132.3	80.4	58.0	41.8	28.4	15.8	0.0
-37.5°	122.3	74.0	55.6	40.4	27.6	15.3	0.0
-40°	111.7	70.7	53.0	38.9	26.8	14.8	0.0
-42.5°	100.6	67.4	50.6	37.3	26.0	14.2	0.0
-45°	88.9	63.8	48.4	35.7	25.2	13.6	0.0
-47.5°	76.8	60.2	46.1	33.9	24.3	13.0	0.0
-50°	71.1	56.3	43.8	32.4	23.3	12.4	0.0
-52.5°	66.3	52.4	41.3	31.0	22.4	11.7	0.0
-55°	61.4	49.0	38.7	29.5	21.4	11.1	0.0
-57.5°	56.3	45.7	36.1	27.9	20.3	10.4	0.0
-60°	51.2	42.3	33.4	26.4	19.3	9.6	0.0
-62.5°	47.1	38.9	31.2	24.7	17.8	8.9	0.0
-65°	42.8	35.3	29.0	23.1	16.3	8.2	0.0
-67.5°	38.5	32.1	26.7	21.4	14.8	7.4	0.0
-70°	34.1	29.2	24.4	19.6	13.2	6.6	0.0
-72.5°	30.5	26.3	22.1	17.4	11.6	5.8	0.0
-75°	26.9	23.3	19.7	14.9	10.0	5.0	0.0
-77.5°	23.3	20.4	16.6	12.5	8.3	4.2	0.0
-80°	19.7	16.6	13.3	10.0	6.7	3.4	0.0
-82.5°	14.9	12.5	10.0	7.5	5.0	2.5	0.0
-85°	10.0	8.3	6.7	5.0	3.4	1.7	0.0
-87.5°	5.0	4.2	3.4	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)