

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: P700002 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200R-57-80-2S-S**

Issue Date: 8/10/2023

Test Information

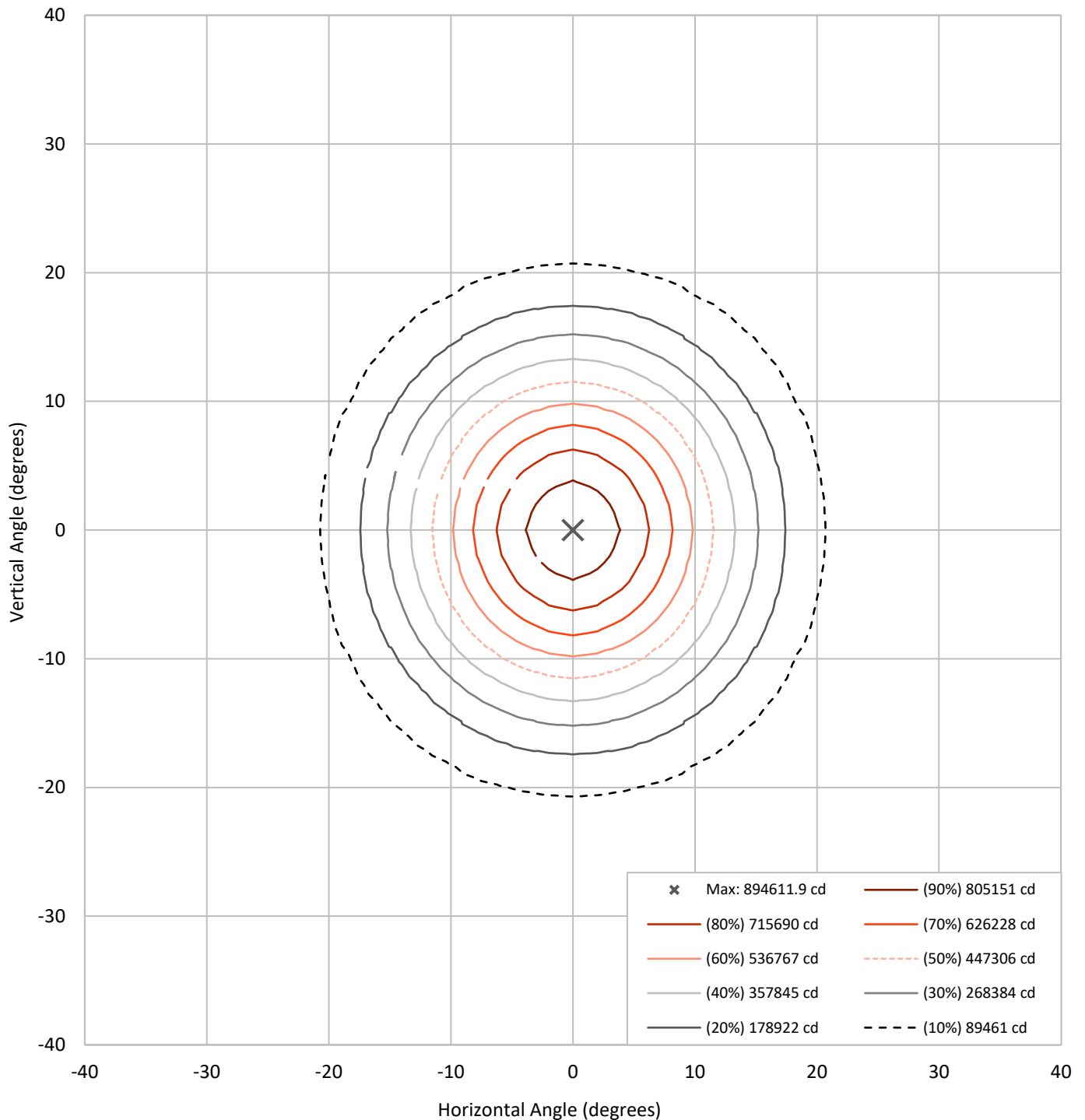
Test Method: LM-79-08
Report Number: P700002 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-10)
Test Lab: INNOVATION CENTER
Issue Date: 8/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-LS-16-1200R-57-80-2S-S
Description: EPHEBUS LUMASPORT 16 LUMINAIRE
(16) 5700K, 80 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:	179633.6 lumens	Max Intensity:	894611.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	143.4 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:	80926.1 lumens	Field Lumens:	142769.3 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





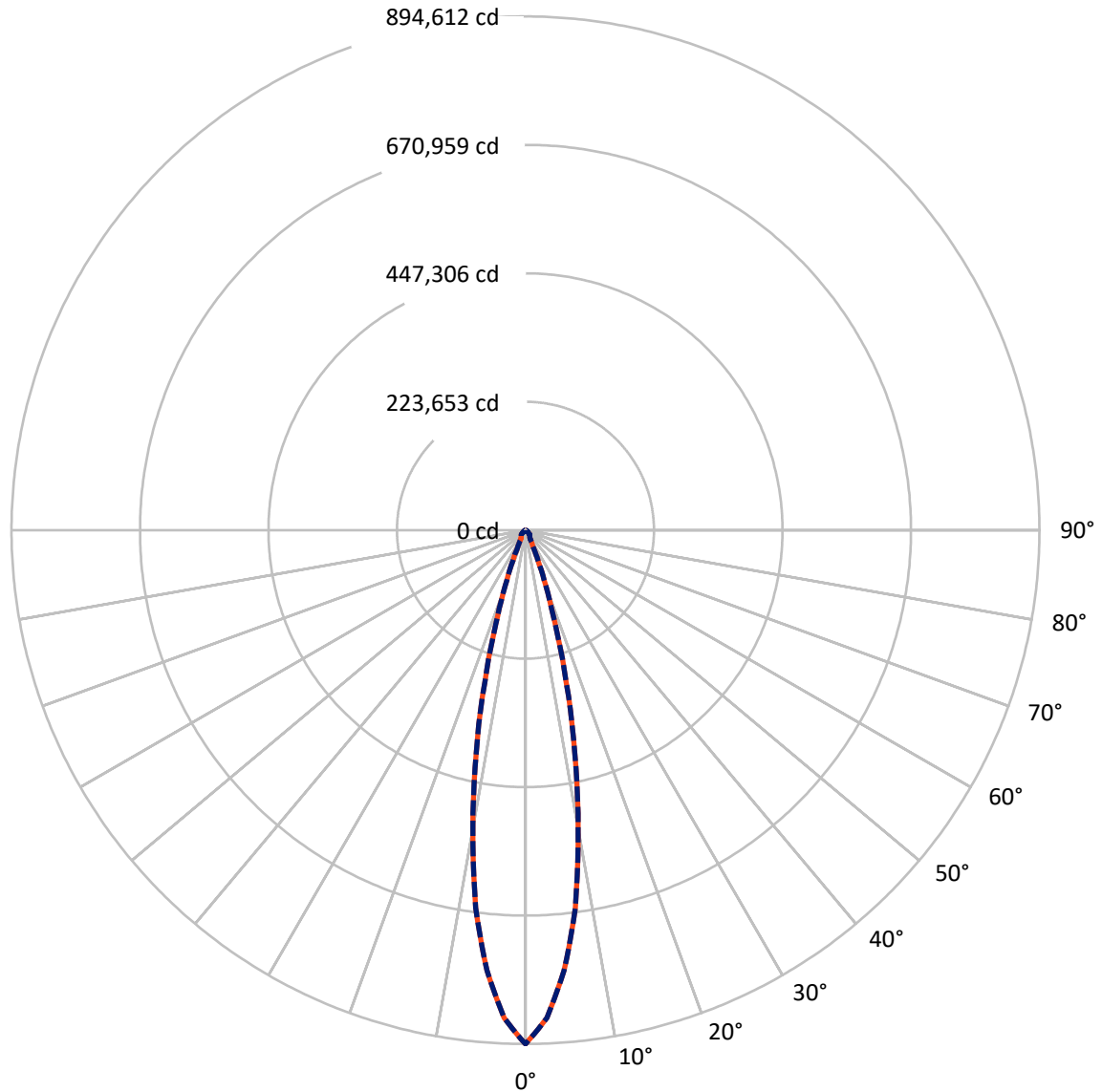
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Lumen Table

90																			
80	0.3	2.2		7.8		18.8		24.4		18.8		7.8		2.2		0.3			
70																			
60	1.0	1.2	4.7	12.9	24.7	37.4	48.1	54.0	54.0	48.1	37.4	24.7	12.9	4.7	1.2	1.0			
50		3.5	14.7	34.5	59.9	85.4	104.6	114.8	114.8	104.6	85.4	59.9	34.5	14.7	3.5				
40	2.6	7.9	28.2	60.9	98.2	157.7	232.2	274.7	274.7	232.2	157.7	98.2	60.9	28.2	7.9	2.6			
30		13.2	42.3	85.0	180.7	301.2	366.5	402.2	402.2	366.5	301.2	180.7	85.0	42.3	13.2				
20	5.4	18.0	54.6	124.2	272.6	372.3	584.6	1101.8	1101.8	584.6	372.3	272.6	124.2	54.6	18.0	5.4			
10		21.7	62.7	172.0	311.4	550.6	7251.7	7445.7	7445.7	7251.7	550.6	311.4	172.0	62.7	21.7				
0	6.7	23.6	66.7	197.0	331.5	1013.9	7254.3	19272.7	19272.7	7254.3	1013.9	331.5	197.0	66.7	23.6	6.7			
-10		23.6	66.7	197.0	331.5	1013.9	7254.3	19272.7	19272.7	7254.3	1013.9	331.5	197.0	66.7	23.6				
-20	5.4	21.7	62.7	172.0	311.4	550.6	7251.7	7445.7	7445.7	7251.7	550.6	311.4	172.0	62.7	21.7	5.4			
-30		18.0	54.6	124.2	272.6	372.3	584.6	1101.8	1101.8	584.6	372.3	272.6	124.2	54.6	18.0				
-40	2.6	13.2	42.3	85.0	180.7	301.2	366.5	402.2	402.2	366.5	301.2	180.7	85.0	42.3	13.2	2.6			
-50		7.9	28.2	60.9	98.2	157.7	232.2	274.7	274.7	232.2	157.7	98.2	60.9	28.2	7.9				
-60	1.0	3.5	14.7	34.5	59.9	85.4	104.6	114.8	114.8	104.6	85.4	59.9	34.5	14.7	3.5	1.0			
-70		1.2	4.7	12.9	24.7	37.4	48.1	54.0	54.0	48.1	37.4	24.7	12.9	4.7	1.2				
-80	0.3	2.2		7.8		18.8		24.4		18.8		7.8		2.2		0.3			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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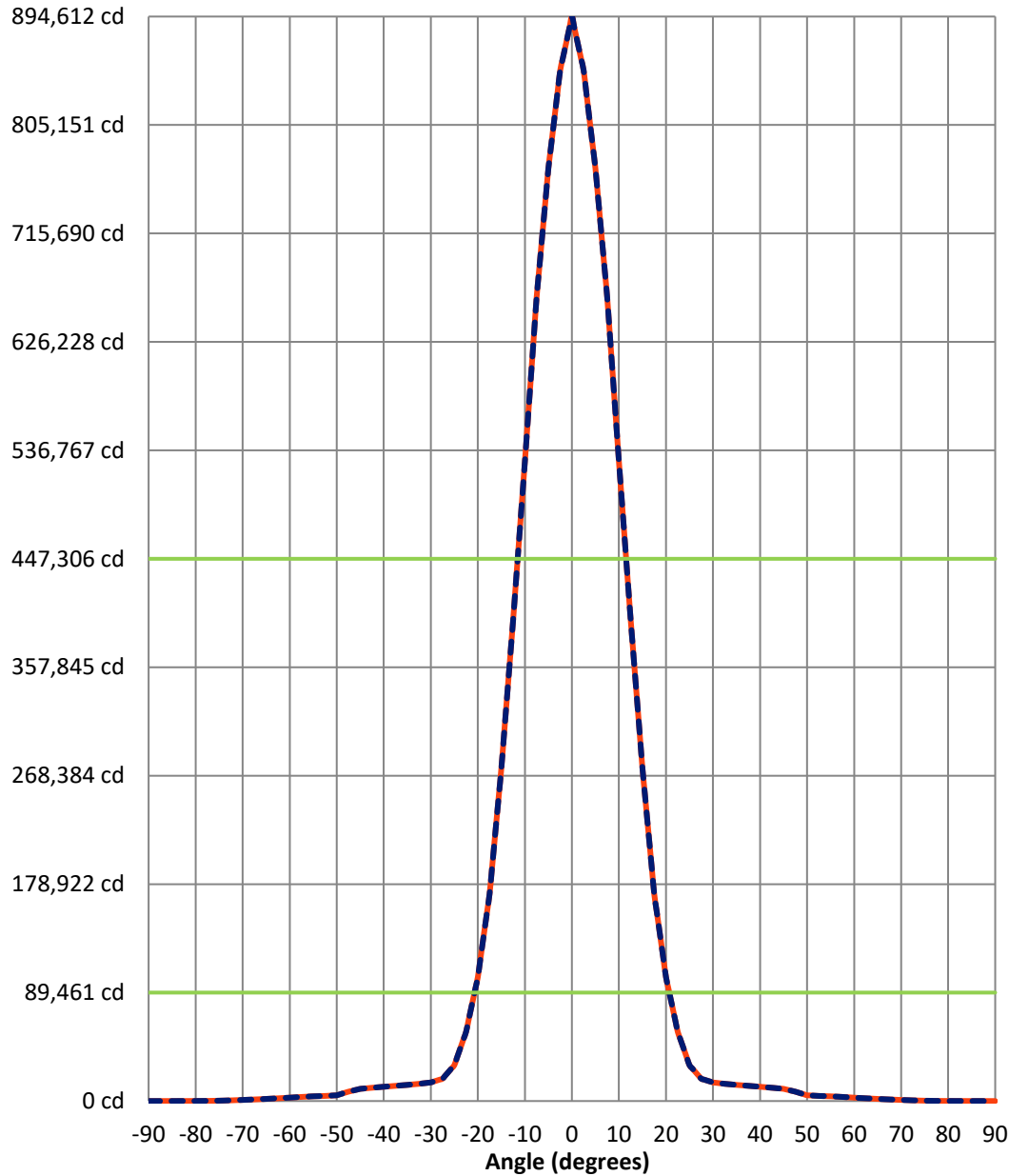
Luminous Intensity Polar Plot



— 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: 80926.1
 Efficiency: 45.1%

Field:
 H Angle: 41.4°
 V Angle: 41.4°
 Lumens: 142769.3
 Efficiency: 79.5%

Spill:
 Lumens: 36864.3
 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	1.6	2.4	3.2	3.9	4.7	5.5	6.2	7.0	7.7
85°	0.0	1.6	3.2	4.7	6.3	7.9	9.4	10.9	12.4	13.9	15.4
82.5°	0.0	2.4	4.7	7.1	9.5	11.8	14.1	16.4	18.5	20.2	21.8
80°	0.0	3.2	6.3	9.5	12.6	15.7	18.6	20.9	23.1	25.3	27.4
77.5°	0.0	3.9	7.9	11.8	15.7	19.2	22.0	24.9	27.6	30.4	33.4
75°	0.0	4.7	9.4	14.1	18.6	22.0	25.4	28.8	32.2	36.4	40.5
72.5°	0.0	5.5	10.9	16.4	20.9	24.9	28.8	33.0	37.9	42.8	47.5
70°	0.0	6.2	12.4	18.5	23.1	27.6	32.2	37.9	43.5	49.1	56.1
67.5°	0.0	7.0	13.9	20.2	25.3	30.4	36.4	42.8	49.1	57.0	64.9
65°	0.0	7.7	15.4	21.8	27.4	33.4	40.5	47.5	56.1	64.9	78.0
62.5°	0.0	8.4	16.8	23.4	29.5	36.8	44.5	53.2	62.9	75.3	101.3
60°	0.0	9.1	18.2	24.9	31.6	40.0	48.5	59.0	69.6	95.9	124.1
57.5°	0.0	9.8	19.2	26.4	34.1	43.2	53.3	64.8	85.2	116.1	173.4
55°	0.0	10.4	20.2	27.9	36.6	46.4	58.1	70.4	102.7	143.5	234.1
52.5°	0.0	11.1	21.1	29.3	39.0	49.5	62.7	84.2	119.7	196.7	293.1
50°	0.0	11.7	22.0	30.7	41.4	53.3	67.3	98.7	144.8	248.3	384.1
47.5°	0.0	12.3	22.9	32.1	43.7	56.9	72.7	112.6	189.1	298.2	476.1
45°	0.0	12.9	23.8	33.7	45.8	60.4	84.2	126.0	231.8	377.2	564.9
42.5°	0.0	13.4	24.6	35.3	47.9	63.8	95.2	152.2	272.8	453.7	667.9
40°	0.0	13.9	25.4	36.8	50.2	67.0	105.7	186.3	320.3	527.0	769.4
37.5°	0.0	14.4	26.1	38.2	52.6	70.0	115.7	218.8	382.1	601.5	866.1
35°	0.0	14.9	26.8	39.5	54.9	76.1	125.1	249.6	440.6	683.6	963.3
32.5°	0.0	15.3	27.5	40.8	57.0	83.5	138.7	278.6	495.7	761.1	1063.1
30°	0.0	15.8	28.1	42.0	59.1	90.4	161.8	309.9	547.3	833.6	1156.7
27.5°	0.0	16.1	28.6	43.0	60.9	96.8	183.3	351.6	599.6	901.1	1243.8
25°	0.0	16.5	29.2	44.0	62.6	102.7	203.0	390.0	654.5	969.5	1324.6
22.5°	0.0	16.8	29.6	45.0	64.2	108.1	221.0	425.0	704.6	1035.0	1408.9
20°	0.0	17.1	30.1	45.8	65.6	112.9	237.3	456.6	749.7	1094.1	1485.0
17.5°	0.0	17.4	30.4	46.5	66.9	117.2	251.7	484.6	789.9	1146.6	1552.7
15°	0.0	17.6	30.8	47.1	68.0	121.0	264.2	509.0	824.8	1192.4	1611.7
12.5°	0.0	17.8	31.1	47.7	68.9	124.1	274.9	529.8	854.6	1231.4	1662.0
10°	0.0	17.9	31.3	48.1	69.6	126.7	283.6	546.9	879.1	1263.5	1703.4
7.5°	0.0	18.0	31.5	48.5	70.2	128.8	290.5	560.2	898.2	1288.5	1735.7
5°	0.0	18.1	31.6	48.7	70.7	130.2	295.4	569.8	911.8	1306.4	1758.8
2.5°	0.0	18.2	31.7	48.9	70.9	131.1	298.3	575.5	920.1	1317.2	1772.8
0°	0.0	18.2	31.7	48.9	71.0	131.4	299.3	577.4	922.8	1320.8	1777.4
-2.5°	0.0	18.2	31.7	48.9	70.9	131.1	298.3	575.5	920.1	1317.2	1772.8
-5°	0.0	18.1	31.6	48.7	70.7	130.2	295.4	569.8	911.8	1306.4	1758.8
-7.5°	0.0	18.0	31.5	48.5	70.2	128.8	290.5	560.2	898.2	1288.5	1735.7
-10°	0.0	17.9	31.3	48.1	69.6	126.7	283.6	546.9	879.1	1263.5	1703.4
-12.5°	0.0	17.8	31.1	47.7	68.9	124.1	274.9	529.8	854.6	1231.4	1662.0
-15°	0.0	17.6	30.8	47.1	68.0	121.0	264.2	509.0	824.8	1192.4	1611.7
-17.5°	0.0	17.4	30.4	46.5	66.9	117.2	251.7	484.6	789.9	1146.6	1552.7
-20°	0.0	17.1	30.1	45.8	65.6	112.9	237.3	456.6	749.7	1094.1	1485.0



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 CATALOG NUMBER: EPH-LS-16-1200R-57-80-2S-S

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	16.8	29.6	45.0	64.2	108.1	221.0	425.0	704.6	1035.0	1408.9
-25°	0.0	16.5	29.2	44.0	62.6	102.7	203.0	390.0	654.5	969.5	1324.6
-27.5°	0.0	16.1	28.6	43.0	60.9	96.8	183.3	351.6	599.6	901.1	1243.8
-30°	0.0	15.8	28.1	42.0	59.1	90.4	161.8	309.9	547.3	833.6	1156.7
-32.5°	0.0	15.3	27.5	40.8	57.0	83.5	138.7	278.6	495.7	761.1	1063.1
-35°	0.0	14.9	26.8	39.5	54.9	76.1	125.1	249.6	440.6	683.6	963.3
-37.5°	0.0	14.4	26.1	38.2	52.6	70.0	115.7	218.8	382.1	601.5	866.1
-40°	0.0	13.9	25.4	36.8	50.2	67.0	105.7	186.3	320.3	527.0	769.4
-42.5°	0.0	13.4	24.6	35.3	47.9	63.8	95.2	152.2	272.8	453.7	667.9
-45°	0.0	12.9	23.8	33.7	45.8	60.4	84.2	126.0	231.8	377.2	564.9
-47.5°	0.0	12.3	22.9	32.1	43.7	56.9	72.7	112.6	189.1	298.2	476.1
-50°	0.0	11.7	22.0	30.7	41.4	53.3	67.3	98.7	144.8	248.3	384.1
-52.5°	0.0	11.1	21.1	29.3	39.0	49.5	62.7	84.2	119.7	196.7	293.1
-55°	0.0	10.4	20.2	27.9	36.6	46.4	58.1	70.4	102.7	143.5	234.1
-57.5°	0.0	9.8	19.2	26.4	34.1	43.2	53.3	64.8	85.2	116.1	173.4
-60°	0.0	9.1	18.2	24.9	31.6	40.0	48.5	59.0	69.6	95.9	124.1
-62.5°	0.0	8.4	16.8	23.4	29.5	36.8	44.5	53.2	62.9	75.3	101.3
-65°	0.0	7.7	15.4	21.8	27.4	33.4	40.5	47.5	56.1	64.9	78.0
-67.5°	0.0	7.0	13.9	20.2	25.3	30.4	36.4	42.8	49.1	57.0	64.9
-70°	0.0	6.2	12.4	18.5	23.1	27.6	32.2	37.9	43.5	49.1	56.1
-72.5°	0.0	5.5	10.9	16.4	20.9	24.9	28.8	33.0	37.9	42.8	47.5
-75°	0.0	4.7	9.4	14.1	18.6	22.0	25.4	28.8	32.2	36.4	40.5
-77.5°	0.0	3.9	7.9	11.8	15.7	19.2	22.0	24.9	27.6	30.4	33.4
-80°	0.0	3.2	6.3	9.5	12.6	15.7	18.6	20.9	23.1	25.3	27.4
-82.5°	0.0	2.4	4.7	7.1	9.5	11.8	14.1	16.4	18.5	20.2	21.8
-85°	0.0	1.6	3.2	4.7	6.3	7.9	9.4	10.9	12.4	13.9	15.4
-87.5°	0.0	0.8	1.6	2.4	3.2	3.9	4.7	5.5	6.2	7.0	7.7
-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: P700002 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-2S-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°	8.4	9.1	9.8	10.4	11.1	11.7	12.3	12.9	13.4	13.9	14.4
85°	16.8	18.2	19.2	20.2	21.1	22.0	22.9	23.8	24.6	25.4	26.1
82.5°	23.4	24.9	26.4	27.9	29.3	30.7	32.1	33.7	35.3	36.8	38.2
80°	29.5	31.6	34.1	36.6	39.0	41.4	43.7	45.8	47.9	50.2	52.6
77.5°	36.8	40.0	43.2	46.4	49.5	53.3	56.9	60.4	63.8	67.0	70.0
75°	44.5	48.5	53.3	58.1	62.7	67.3	72.7	84.2	95.2	105.7	115.7
72.5°	53.2	59.0	64.8	70.4	84.2	98.7	112.6	126.0	152.2	186.3	218.8
70°	62.9	69.6	85.2	102.7	119.7	144.8	189.1	231.8	272.8	320.3	382.1
67.5°	75.3	95.9	116.1	143.5	196.7	248.3	298.2	377.2	453.7	527.0	601.5
65°	101.3	124.1	173.4	234.1	293.1	384.1	476.1	564.9	667.9	769.4	866.1
62.5°	126.8	188.4	256.7	339.1	446.8	551.4	670.9	792.5	909.5	1036.6	1159.9
60°	188.4	264.2	364.3	484.6	607.9	749.7	887.2	1035.0	1182.6	1324.6	1479.8
57.5°	256.7	364.3	497.3	639.5	797.4	955.3	1127.2	1293.6	1473.7	1650.5	1822.7
55°	339.1	484.6	639.5	813.3	992.3	1183.0	1375.4	1581.5	1780.7	1986.2	2182.9
52.5°	446.8	607.9	797.4	992.3	1201.7	1418.6	1646.8	1874.8	2104.5	2332.2	2567.6
50°	551.4	749.7	955.3	1183.0	1418.6	1668.6	1922.2	2176.2	2439.1	2702.4	2967.4
47.5°	670.9	887.2	1127.2	1375.4	1646.8	1922.2	2200.2	2493.0	2784.0	3086.7	3380.2
45°	792.5	1035.0	1293.6	1581.5	1874.8	2176.2	2493.0	2811.4	3146.9	3462.2	3733.4
42.5°	909.5	1182.6	1473.7	1780.7	2104.5	2439.1	2784.0	3146.9	3488.7	3787.3	4008.7
40°	1036.6	1324.6	1650.5	1986.2	2332.2	2702.4	3086.7	3462.2	3787.3	4024.9	4205.0
37.5°	1159.9	1479.8	1822.7	2182.9	2567.6	2967.4	3380.2	3733.4	4008.7	4205.0	4541.6
35°	1277.0	1627.3	1995.5	2381.7	2792.2	3229.5	3626.5	3960.3	4172.0	4511.1	5394.3
32.5°	1397.4	1766.8	2159.0	2578.8	3021.9	3468.4	3858.5	4106.6	4420.2	5052.3	7147.4
30°	1516.4	1906.6	2317.8	2764.4	3240.1	3672.5	4010.0	4270.6	4688.1	6624.2	8581.8
27.5°	1627.3	2037.7	2477.1	2948.7	3438.6	3863.8	4131.5	4506.3	5764.5	8029.7	9814.9
25°	1729.7	2159.0	2624.5	3123.2	3602.8	3988.6	4269.4	4726.3	7063.8	9112.2	10419.8
22.5°	1826.8	2270.3	2759.7	3283.3	3753.8	4085.0	4457.7	5701.8	8150.6	10087.9	10837.4
20°	1917.7	2381.7	2888.0	3424.7	3890.8	4172.7	4629.0	6720.4	9004.5	10444.2	11199.3
17.5°	1998.6	2480.9	3006.3	3537.0	3971.8	4281.1	4895.0	7635.1	9773.0	10765.7	11516.5
15°	2069.2	2567.6	3109.8	3635.3	4035.1	4405.4	5637.5	8285.8	10217.3	11042.9	11797.2
12.5°	2129.4	2641.5	3198.1	3719.2	4089.1	4511.8	6273.6	8822.6	10442.9	11266.6	12024.4
10°	2178.9	2702.4	3270.8	3788.4	4133.7	4599.6	6799.6	9267.2	10630.0	11452.5	12213.6
7.5°	2217.6	2749.9	3327.7	3842.6	4168.6	4668.5	7212.2	9616.3	10777.1	11598.9	12363.0
5°	2245.4	2784.0	3368.6	3881.4	4193.7	4718.0	7509.0	9867.6	10883.2	11704.5	12470.9
2.5°	2262.0	2804.6	3393.1	3904.8	4208.8	4747.7	7687.8	10019.1	10947.1	11768.3	12536.1
0°	2267.6	2811.4	3401.3	3912.6	4213.8	4757.7	7747.5	10069.7	10968.5	11789.6	12557.9
-2.5°	2262.0	2804.6	3393.1	3904.8	4208.8	4747.7	7687.8	10019.1	10947.1	11768.3	12536.1
-5°	2245.4	2784.0	3368.6	3881.4	4193.7	4718.0	7509.0	9867.6	10883.2	11704.5	12470.9
-7.5°	2217.6	2749.9	3327.7	3842.6	4168.6	4668.5	7212.2	9616.3	10777.1	11598.9	12363.0
-10°	2178.9	2702.4	3270.8	3788.4	4133.7	4599.6	6799.6	9267.2	10630.0	11452.5	12213.6
-12.5°	2129.4	2641.5	3198.1	3719.2	4089.1	4511.8	6273.6	8822.6	10442.9	11266.6	12024.4
-15°	2069.2	2567.6	3109.8	3635.3	4035.1	4405.4	5637.5	8285.8	10217.3	11042.9	11797.2
-17.5°	1998.6	2480.9	3006.3	3537.0	3971.8	4281.1	4895.0	7635.1	9773.0	10765.7	11516.5
-20°	1917.7	2381.7	2888.0	3424.7	3890.8	4172.7	4629.0	6720.4	9004.5	10444.2	11199.3



REPORT NUMBER: P700002 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-2S-S

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1826.8	2270.3	2759.7	3283.3	3753.8	4085.0	4457.7	5701.8	8150.6	10087.9	10837.4
-25°	1729.7	2159.0	2624.5	3123.2	3602.8	3988.6	4269.4	4726.3	7063.8	9112.2	10419.8
-27.5°	1627.3	2037.7	2477.1	2948.7	3438.6	3863.8	4131.5	4506.3	5764.5	8029.7	9814.9
-30°	1516.4	1906.6	2317.8	2764.4	3240.1	3672.5	4010.0	4270.6	4688.1	6624.2	8581.8
-32.5°	1397.4	1766.8	2159.0	2578.8	3021.9	3468.4	3858.5	4106.6	4420.2	5052.3	7147.4
-35°	1277.0	1627.3	1995.5	2381.7	2792.2	3229.5	3626.5	3960.3	4172.0	4511.1	5394.3
-37.5°	1159.9	1479.8	1822.7	2182.9	2567.6	2967.4	3380.2	3733.4	4008.7	4205.0	4541.6
-40°	1036.6	1324.6	1650.5	1986.2	2332.2	2702.4	3086.7	3462.2	3787.3	4024.9	4205.0
-42.5°	909.5	1182.6	1473.7	1780.7	2104.5	2439.1	2784.0	3146.9	3488.7	3787.3	4008.7
-45°	792.5	1035.0	1293.6	1581.5	1874.8	2176.2	2493.0	2811.4	3146.9	3462.2	3733.4
-47.5°	670.9	887.2	1127.2	1375.4	1646.8	1922.2	2200.2	2493.0	2784.0	3086.7	3380.2
-50°	551.4	749.7	955.3	1183.0	1418.6	1668.6	1922.2	2176.2	2439.1	2702.4	2967.4
-52.5°	446.8	607.9	797.4	992.3	1201.7	1418.6	1646.8	1874.8	2104.5	2332.2	2567.6
-55°	339.1	484.6	639.5	813.3	992.3	1183.0	1375.4	1581.5	1780.7	1986.2	2182.9
-57.5°	256.7	364.3	497.3	639.5	797.4	955.3	1127.2	1293.6	1473.7	1650.5	1822.7
-60°	188.4	264.2	364.3	484.6	607.9	749.7	887.2	1035.0	1182.6	1324.6	1479.8
-62.5°	126.8	188.4	256.7	339.1	446.8	551.4	670.9	792.5	909.5	1036.6	1159.9
-65°	101.3	124.1	173.4	234.1	293.1	384.1	476.1	564.9	667.9	769.4	866.1
-67.5°	75.3	95.9	116.1	143.5	196.7	248.3	298.2	377.2	453.7	527.0	601.5
-70°	62.9	69.6	85.2	102.7	119.7	144.8	189.1	231.8	272.8	320.3	382.1
-72.5°	53.2	59.0	64.8	70.4	84.2	98.7	112.6	126.0	152.2	186.3	218.8
-75°	44.5	48.5	53.3	58.1	62.7	67.3	72.7	84.2	95.2	105.7	115.7
-77.5°	36.8	40.0	43.2	46.4	49.5	53.3	56.9	60.4	63.8	67.0	70.0
-80°	29.5	31.6	34.1	36.6	39.0	41.4	43.7	45.8	47.9	50.2	52.6
-82.5°	23.4	24.9	26.4	27.9	29.3	30.7	32.1	33.7	35.3	36.8	38.2
-85°	16.8	18.2	19.2	20.2	21.1	22.0	22.9	23.8	24.6	25.4	26.1
-87.5°	8.4	9.1	9.8	10.4	11.1	11.7	12.3	12.9	13.4	13.9	14.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P700002 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-2S-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°	14.9	15.3	15.8	16.1	16.5	16.8	17.1	17.4	17.6	17.8	17.9
85°	26.8	27.5	28.1	28.6	29.2	29.6	30.1	30.4	30.8	31.1	31.3
82.5°	39.5	40.8	42.0	43.0	44.0	45.0	45.8	46.5	47.1	47.7	48.1
80°	54.9	57.0	59.1	60.9	62.6	64.2	65.6	66.9	68.0	68.9	69.6
77.5°	76.1	83.5	90.4	96.8	102.7	108.1	112.9	117.2	121.0	124.1	126.7
75°	125.1	138.7	161.8	183.3	203.0	221.0	237.3	251.7	264.2	274.9	283.6
72.5°	249.6	278.6	309.9	351.6	390.0	425.0	456.6	484.6	509.0	529.8	546.9
70°	440.6	495.7	547.3	599.6	654.5	704.6	749.7	789.9	824.8	854.6	879.1
67.5°	683.6	761.1	833.6	901.1	969.5	1035.0	1094.1	1146.6	1192.4	1231.4	1263.5
65°	963.3	1063.1	1156.7	1243.8	1324.6	1408.9	1485.0	1552.7	1611.7	1662.0	1703.4
62.5°	1277.0	1397.4	1516.4	1627.3	1729.7	1826.8	1917.7	1998.6	2069.2	2129.4	2178.9
60°	1627.3	1766.8	1906.6	2037.7	2159.0	2270.3	2381.7	2480.9	2567.6	2641.5	2702.4
57.5°	1995.5	2159.0	2317.8	2477.1	2624.5	2759.7	2888.0	3006.3	3109.8	3198.1	3270.8
55°	2381.7	2578.8	2764.4	2948.7	3123.2	3283.3	3424.7	3537.0	3635.3	3719.2	3788.4
52.5°	2792.2	3021.9	3240.1	3438.6	3602.8	3753.8	3890.8	3971.8	4035.1	4089.1	4133.7
50°	3229.5	3468.4	3672.5	3863.8	3988.6	4085.0	4172.7	4281.1	4405.4	4511.8	4599.6
47.5°	3626.5	3858.5	4010.0	4131.5	4269.4	4457.7	4629.0	4895.0	5637.5	6273.6	6799.6
45°	3960.3	4106.6	4270.6	4506.3	4726.3	5701.8	6720.4	7635.1	8285.8	8822.6	9267.2
42.5°	4172.0	4420.2	4688.1	5764.5	7063.8	8150.6	9004.5	9773.0	10217.3	10442.9	10630.0
40°	4511.1	5052.3	6624.2	8029.7	9112.2	10087.9	10444.2	10765.7	11042.9	11266.6	11452.5
37.5°	5394.3	7147.4	8581.8	9814.9	10419.8	10837.4	11199.3	11516.5	11797.2	12024.4	12213.6
35°	7323.0	8860.9	10136.8	10645.6	11111.9	11521.2	11891.5	12211.9	12496.9	12743.1	12948.4
32.5°	8860.9	10192.5	10759.9	11272.6	11740.7	12154.3	12534.1	12878.9	13186.6	13476.3	13738.5
30°	10136.8	10759.9	11326.6	11848.0	12315.1	12753.9	13160.7	13568.6	13959.2	14321.4	14684.1
27.5°	10645.6	11272.6	11848.0	12369.3	12865.5	13335.5	13847.2	14343.8	14880.3	15350.9	16415.7
25°	11111.9	11740.7	12315.1	12865.5	13403.9	13989.3	14623.7	15266.8	16687.9	18070.4	21496.5
22.5°	11521.2	12154.3	12753.9	13335.5	13989.3	14718.3	15652.6	17519.3	21417.2	26964.9	34892.1
20°	11891.5	12534.1	13160.7	13847.2	14623.7	15652.6	17801.3	23589.4	31604.6	46671.9	61311.8
17.5°	12211.9	12878.9	13568.6	14343.8	15266.8	17519.3	23589.4	34484.6	52779.1	77152.4	100874.9
15°	12496.9	13186.6	13959.2	14880.3	16687.9	21417.2	31604.6	52779.1	82585.8	117846.8	158214.3
12.5°	12743.1	13476.3	14321.4	15350.9	18070.4	26964.9	46671.9	77152.4	117846.8	168018.7	234788.9
10°	12948.4	13738.5	14684.1	16415.7	21496.5	34892.1	61311.8	100874.9	158214.3	234788.9	315077.5
7.5°	13110.9	13946.4	14972.8	17269.6	24953.0	44389.9	78696.6	129939.4	202750.1	295050.6	397970.7
5°	13228.4	14097.2	15182.7	17892.6	27486.6	51391.9	91612.5	152310.6	241606.2	347797.8	466807.2
2.5°	13299.6	14188.7	15310.2	18272.1	29034.3	55687.6	99582.4	166228.4	266071.1	383942.1	511576.2
0°	13323.4	14219.3	15353.0	18399.5	29555.0	57136.1	102278.2	170957.3	274440.3	396763.5	527297.5
-2.5°	13299.6	14188.7	15310.2	18272.1	29034.3	55687.6	99582.4	166228.4	266071.1	383942.1	511576.2
-5°	13228.4	14097.2	15182.7	17892.6	27486.6	51391.9	91612.5	152310.6	241606.2	347797.8	466807.2
-7.5°	13110.9	13946.4	14972.8	17269.6	24953.0	44389.9	78696.6	129939.4	202750.1	295050.6	397970.7
-10°	12948.4	13738.5	14684.1	16415.7	21496.5	34892.1	61311.8	100874.9	158214.3	234788.9	315077.5
-12.5°	12743.1	13476.3	14321.4	15350.9	18070.4	26964.9	46671.9	77152.4	117846.8	168018.7	234788.9
-15°	12496.9	13186.6	13959.2	14880.3	16687.9	21417.2	31604.6	52779.1	82585.8	117846.8	158214.3
-17.5°	12211.9	12878.9	13568.6	14343.8	15266.8	17519.3	23589.4	34484.6	52779.1	77152.4	100874.9
-20°	11891.5	12534.1	13160.7	13847.2	14623.7	15652.6	17801.3	23589.4	31604.6	46671.9	61311.8



REPORT NUMBER: P700002 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-2S-S

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11521.2	12154.3	12753.9	13335.5	13989.3	14718.3	15652.6	17519.3	21417.2	26964.9	34892.1
-25°	11111.9	11740.7	12315.1	12865.5	13403.9	13989.3	14623.7	15266.8	16687.9	18070.4	21496.5
-27.5°	10645.6	11272.6	11848.0	12369.3	12865.5	13335.5	13847.2	14343.8	14880.3	15350.9	16415.7
-30°	10136.8	10759.9	11326.6	11848.0	12315.1	12753.9	13160.7	13568.6	13959.2	14321.4	14684.1
-32.5°	8860.9	10192.5	10759.9	11272.6	11740.7	12154.3	12534.1	12878.9	13186.6	13476.3	13738.5
-35°	7323.0	8860.9	10136.8	10645.6	11111.9	11521.2	11891.5	12211.9	12496.9	12743.1	12948.4
-37.5°	5394.3	7147.4	8581.8	9814.9	10419.8	10837.4	11199.3	11516.5	11797.2	12024.4	12213.6
-40°	4511.1	5052.3	6624.2	8029.7	9112.2	10087.9	10444.2	10765.7	11042.9	11266.6	11452.5
-42.5°	4172.0	4420.2	4688.1	5764.5	7063.8	8150.6	9004.5	9773.0	10217.3	10442.9	10630.0
-45°	3960.3	4106.6	4270.6	4506.3	4726.3	5701.8	6720.4	7635.1	8285.8	8822.6	9267.2
-47.5°	3626.5	3858.5	4010.0	4131.5	4269.4	4457.7	4629.0	4895.0	5637.5	6273.6	6799.6
-50°	3229.5	3468.4	3672.5	3863.8	3988.6	4085.0	4172.7	4281.1	4405.4	4511.8	4599.6
-52.5°	2792.2	3021.9	3240.1	3438.6	3602.8	3753.8	3890.8	3971.8	4035.1	4089.1	4133.7
-55°	2381.7	2578.8	2764.4	2948.7	3123.2	3283.3	3424.7	3537.0	3635.3	3719.2	3788.4
-57.5°	1995.5	2159.0	2317.8	2477.1	2624.5	2759.7	2888.0	3006.3	3109.8	3198.1	3270.8
-60°	1627.3	1766.8	1906.6	2037.7	2159.0	2270.3	2381.7	2480.9	2567.6	2641.5	2702.4
-62.5°	1277.0	1397.4	1516.4	1627.3	1729.7	1826.8	1917.7	1998.6	2069.2	2129.4	2178.9
-65°	963.3	1063.1	1156.7	1243.8	1324.6	1408.9	1485.0	1552.7	1611.7	1662.0	1703.4
-67.5°	683.6	761.1	833.6	901.1	969.5	1035.0	1094.1	1146.6	1192.4	1231.4	1263.5
-70°	440.6	495.7	547.3	599.6	654.5	704.6	749.7	789.9	824.8	854.6	879.1
-72.5°	249.6	278.6	309.9	351.6	390.0	425.0	456.6	484.6	509.0	529.8	546.9
-75°	125.1	138.7	161.8	183.3	203.0	221.0	237.3	251.7	264.2	274.9	283.6
-77.5°	76.1	83.5	90.4	96.8	102.7	108.1	112.9	117.2	121.0	124.1	126.7
-80°	54.9	57.0	59.1	60.9	62.6	64.2	65.6	66.9	68.0	68.9	69.6
-82.5°	39.5	40.8	42.0	43.0	44.0	45.0	45.8	46.5	47.1	47.7	48.1
-85°	26.8	27.5	28.1	28.6	29.2	29.6	30.1	30.4	30.8	31.1	31.3
-87.5°	14.9	15.3	15.8	16.1	16.5	16.8	17.1	17.4	17.6	17.8	17.9
-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: P700002 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-2S-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°	18.0	18.1	18.2	18.2	18.2	18.1	18.0	17.9	17.8	17.6	17.4
85°	31.5	31.6	31.7	31.7	31.7	31.6	31.5	31.3	31.1	30.8	30.4
82.5°	48.5	48.7	48.9	48.9	48.9	48.7	48.5	48.1	47.7	47.1	46.5
80°	70.2	70.7	70.9	71.0	70.9	70.7	70.2	69.6	68.9	68.0	66.9
77.5°	128.8	130.2	131.1	131.4	131.1	130.2	128.8	126.7	124.1	121.0	117.2
75°	290.5	295.4	298.3	299.3	298.3	295.4	290.5	283.6	274.9	264.2	251.7
72.5°	560.2	569.8	575.5	577.4	575.5	569.8	560.2	546.9	529.8	509.0	484.6
70°	898.2	911.8	920.1	922.8	920.1	911.8	898.2	879.1	854.6	824.8	789.9
67.5°	1288.5	1306.4	1317.2	1320.8	1317.2	1306.4	1288.5	1263.5	1231.4	1192.4	1146.6
65°	1735.7	1758.8	1772.8	1777.4	1772.8	1758.8	1735.7	1703.4	1662.0	1611.7	1552.7
62.5°	2217.6	2245.4	2262.0	2267.6	2262.0	2245.4	2217.6	2178.9	2129.4	2069.2	1998.6
60°	2749.9	2784.0	2804.6	2811.4	2804.6	2784.0	2749.9	2702.4	2641.5	2567.6	2480.9
57.5°	3327.7	3368.6	3393.1	3401.3	3393.1	3368.6	3327.7	3270.8	3198.1	3109.8	3006.3
55°	3842.6	3881.4	3904.8	3912.6	3904.8	3881.4	3842.6	3788.4	3719.2	3635.3	3537.0
52.5°	4168.6	4193.7	4208.8	4213.8	4208.8	4193.7	4168.6	4133.7	4089.1	4035.1	3971.8
50°	4668.5	4718.0	4747.7	4757.7	4747.7	4718.0	4668.5	4599.6	4511.8	4405.4	4281.1
47.5°	7212.2	7509.0	7687.8	7747.5	7687.8	7509.0	7212.2	6799.6	6273.6	5637.5	4895.0
45°	9616.3	9867.6	10019.1	10069.7	10019.1	9867.6	9616.3	9267.2	8822.6	8285.8	7635.1
42.5°	10777.1	10883.2	10947.1	10968.5	10947.1	10883.2	10777.1	10630.0	10442.9	10217.3	9773.0
40°	11598.9	11704.5	11768.3	11789.6	11768.3	11704.5	11598.9	11452.5	11266.6	11042.9	10765.7
37.5°	12363.0	12470.9	12536.1	12557.9	12536.1	12470.9	12363.0	12213.6	12024.4	11797.2	11516.5
35°	13110.9	13228.4	13299.6	13323.4	13299.6	13228.4	13110.9	12948.4	12743.1	12496.9	12211.9
32.5°	13946.4	14097.2	14188.7	14219.3	14188.7	14097.2	13946.4	13738.5	13476.3	13186.6	12878.9
30°	14972.8	15182.7	15310.2	15353.0	15310.2	15182.7	14972.8	14684.1	14321.4	13959.2	13568.6
27.5°	17269.6	17892.6	18272.1	18399.5	18272.1	17892.6	17269.6	16415.7	15350.9	14880.3	14343.8
25°	24953.0	27486.6	29034.3	29555.0	29034.3	27486.6	24953.0	21496.5	18070.4	16687.9	15266.8
22.5°	44389.9	51391.9	55687.6	57136.1	55687.6	51391.9	44389.9	34892.1	26964.9	21417.2	17519.3
20°	78696.6	91612.5	99582.4	102278.2	99582.4	91612.5	78696.6	61311.8	46671.9	31604.6	23589.4
17.5°	129939.4	152310.6	166228.4	170957.3	166228.4	152310.6	129939.4	100874.9	77152.4	52779.1	34484.6
15°	202750.1	241606.2	266071.1	274440.3	266071.1	241606.2	202750.1	158214.3	117846.8	82585.8	52779.1
12.5°	295050.6	347797.8	383942.1	396763.5	383942.1	347797.8	295050.6	234788.9	168018.7	117846.8	77152.4
10°	397970.7	466807.2	511576.2	527297.5	511576.2	466807.2	397970.7	315077.5	234788.9	158214.3	100874.9
7.5°	496781.0	581664.6	642437.3	663137.8	642437.3	581664.6	496781.0	397970.7	295050.6	202750.1	129939.4
5°	581664.6	685377.2	747564.0	769362.7	747564.0	685377.2	581664.6	466807.2	347797.8	241606.2	152310.6
2.5°	642437.3	747564.0	817963.8	850066.0	817963.8	747564.0	642437.3	511576.2	383942.1	266071.1	166228.4
0°	663137.8	769362.7	850066.0	894611.9	850066.0	769362.7	663137.8	527297.5	396763.5	274440.3	170957.3
-2.5°	642437.3	747564.0	817963.8	850066.0	817963.8	747564.0	642437.3	511576.2	383942.1	266071.1	166228.4
-5°	581664.6	685377.2	747564.0	769362.7	747564.0	685377.2	581664.6	466807.2	347797.8	241606.2	152310.6
-7.5°	496781.0	581664.6	642437.3	663137.8	642437.3	581664.6	496781.0	397970.7	295050.6	202750.1	129939.4
-10°	397970.7	466807.2	511576.2	527297.5	511576.2	466807.2	397970.7	315077.5	234788.9	158214.3	100874.9
-12.5°	295050.6	347797.8	383942.1	396763.5	383942.1	347797.8	295050.6	234788.9	168018.7	117846.8	77152.4
-15°	202750.1	241606.2	266071.1	274440.3	266071.1	241606.2	202750.1	158214.3	117846.8	82585.8	52779.1
-17.5°	129939.4	152310.6	166228.4	170957.3	166228.4	152310.6	129939.4	100874.9	77152.4	52779.1	34484.6
-20°	78696.6	91612.5	99582.4	102278.2	99582.4	91612.5	78696.6	61311.8	46671.9	31604.6	23589.4



REPORT NUMBER: P700002 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-2S-S

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	44389.9	51391.9	55687.6	57136.1	55687.6	51391.9	44389.9	34892.1	26964.9	21417.2	17519.3
-25°	24953.0	27486.6	29034.3	29555.0	29034.3	27486.6	24953.0	21496.5	18070.4	16687.9	15266.8
-27.5°	17269.6	17892.6	18272.1	18399.5	18272.1	17892.6	17269.6	16415.7	15350.9	14880.3	14343.8
-30°	14972.8	15182.7	15310.2	15353.0	15310.2	15182.7	14972.8	14684.1	14321.4	13959.2	13568.6
-32.5°	13946.4	14097.2	14188.7	14219.3	14188.7	14097.2	13946.4	13738.5	13476.3	13186.6	12878.9
-35°	13110.9	13228.4	13299.6	13323.4	13299.6	13228.4	13110.9	12948.4	12743.1	12496.9	12211.9
-37.5°	12363.0	12470.9	12536.1	12557.9	12536.1	12470.9	12363.0	12213.6	12024.4	11797.2	11516.5
-40°	11598.9	11704.5	11768.3	11789.6	11768.3	11704.5	11598.9	11452.5	11266.6	11042.9	10765.7
-42.5°	10777.1	10883.2	10947.1	10968.5	10947.1	10883.2	10777.1	10630.0	10442.9	10217.3	9773.0
-45°	9616.3	9867.6	10019.1	10069.7	10019.1	9867.6	9616.3	9267.2	8822.6	8285.8	7635.1
-47.5°	7212.2	7509.0	7687.8	7747.5	7687.8	7509.0	7212.2	6799.6	6273.6	5637.5	4895.0
-50°	4668.5	4718.0	4747.7	4757.7	4747.7	4718.0	4668.5	4599.6	4511.8	4405.4	4281.1
-52.5°	4168.6	4193.7	4208.8	4213.8	4208.8	4193.7	4168.6	4133.7	4089.1	4035.1	3971.8
-55°	3842.6	3881.4	3904.8	3912.6	3904.8	3881.4	3842.6	3788.4	3719.2	3635.3	3537.0
-57.5°	3327.7	3368.6	3393.1	3401.3	3393.1	3368.6	3327.7	3270.8	3198.1	3109.8	3006.3
-60°	2749.9	2784.0	2804.6	2811.4	2804.6	2784.0	2749.9	2702.4	2641.5	2567.6	2480.9
-62.5°	2217.6	2245.4	2262.0	2267.6	2262.0	2245.4	2217.6	2178.9	2129.4	2069.2	1998.6
-65°	1735.7	1758.8	1772.8	1777.4	1772.8	1758.8	1735.7	1703.4	1662.0	1611.7	1552.7
-67.5°	1288.5	1306.4	1317.2	1320.8	1317.2	1306.4	1288.5	1263.5	1231.4	1192.4	1146.6
-70°	898.2	911.8	920.1	922.8	920.1	911.8	898.2	879.1	854.6	824.8	789.9
-72.5°	560.2	569.8	575.5	577.4	575.5	569.8	560.2	546.9	529.8	509.0	484.6
-75°	290.5	295.4	298.3	299.3	298.3	295.4	290.5	283.6	274.9	264.2	251.7
-77.5°	128.8	130.2	131.1	131.4	131.1	130.2	128.8	126.7	124.1	121.0	117.2
-80°	70.2	70.7	70.9	71.0	70.9	70.7	70.2	69.6	68.9	68.0	66.9
-82.5°	48.5	48.7	48.9	48.9	48.9	48.7	48.5	48.1	47.7	47.1	46.5
-85°	31.5	31.6	31.7	31.7	31.7	31.6	31.5	31.3	31.1	30.8	30.4
-87.5°	18.0	18.1	18.2	18.2	18.2	18.1	18.0	17.9	17.8	17.6	17.4
-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: P700002 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-2S-S

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°	17.1	16.8	16.5	16.1	15.8	15.3	14.9	14.4	13.9	13.4	12.9
85°	30.1	29.6	29.2	28.6	28.1	27.5	26.8	26.1	25.4	24.6	23.8
82.5°	45.8	45.0	44.0	43.0	42.0	40.8	39.5	38.2	36.8	35.3	33.7
80°	65.6	64.2	62.6	60.9	59.1	57.0	54.9	52.6	50.2	47.9	45.8
77.5°	112.9	108.1	102.7	96.8	90.4	83.5	76.1	70.0	67.0	63.8	60.4
75°	237.3	221.0	203.0	183.3	161.8	138.7	125.1	115.7	105.7	95.2	84.2
72.5°	456.6	425.0	390.0	351.6	309.9	278.6	249.6	218.8	186.3	152.2	126.0
70°	749.7	704.6	654.5	599.6	547.3	495.7	440.6	382.1	320.3	272.8	231.8
67.5°	1094.1	1035.0	969.5	901.1	833.6	761.1	683.6	601.5	527.0	453.7	377.2
65°	1485.0	1408.9	1324.6	1243.8	1156.7	1063.1	963.3	866.1	769.4	667.9	564.9
62.5°	1917.7	1826.8	1729.7	1627.3	1516.4	1397.4	1277.0	1159.9	1036.6	909.5	792.5
60°	2381.7	2270.3	2159.0	2037.7	1906.6	1766.8	1627.3	1479.8	1324.6	1182.6	1035.0
57.5°	2888.0	2759.7	2624.5	2477.1	2317.8	2159.0	1995.5	1822.7	1650.5	1473.7	1293.6
55°	3424.7	3283.3	3123.2	2948.7	2764.4	2578.8	2381.7	2182.9	1986.2	1780.7	1581.5
52.5°	3890.8	3753.8	3602.8	3438.6	3240.1	3021.9	2792.2	2567.6	2332.2	2104.5	1874.8
50°	4172.7	4085.0	3988.6	3863.8	3672.5	3468.4	3229.5	2967.4	2702.4	2439.1	2176.2
47.5°	4629.0	4457.7	4269.4	4131.5	4010.0	3858.5	3626.5	3380.2	3086.7	2784.0	2493.0
45°	6720.4	5701.8	4726.3	4506.3	4270.6	4106.6	3960.3	3733.4	3462.2	3146.9	2811.4
42.5°	9004.5	8150.6	7063.8	5764.5	4688.1	4420.2	4172.0	4008.7	3787.3	3488.7	3146.9
40°	10444.2	10087.9	9112.2	8029.7	6624.2	5052.3	4511.1	4205.0	4024.9	3787.3	3462.2
37.5°	11199.3	10837.4	10419.8	9814.9	8581.8	7147.4	5394.3	4541.6	4205.0	4008.7	3733.4
35°	11891.5	11521.2	11111.9	10645.6	10136.8	8860.9	7323.0	5394.3	4511.1	4172.0	3960.3
32.5°	12534.1	12154.3	11740.7	11272.6	10759.9	10192.5	8860.9	7147.4	5052.3	4420.2	4106.6
30°	13160.7	12753.9	12315.1	11848.0	11326.6	10759.9	10136.8	8581.8	6624.2	4688.1	4270.6
27.5°	13847.2	13335.5	12865.5	12369.3	11848.0	11272.6	10645.6	9814.9	8029.7	5764.5	4506.3
25°	14623.7	13989.3	13403.9	12865.5	12315.1	11740.7	11111.9	10419.8	9112.2	7063.8	4726.3
22.5°	15652.6	14718.3	13989.3	13335.5	12753.9	12154.3	11521.2	10837.4	10087.9	8150.6	5701.8
20°	17801.3	15652.6	14623.7	13847.2	13160.7	12534.1	11891.5	11199.3	10444.2	9004.5	6720.4
17.5°	23589.4	17519.3	15266.8	14343.8	13568.6	12878.9	12211.9	11516.5	10765.7	9773.0	7635.1
15°	31604.6	21417.2	16687.9	14880.3	13959.2	13186.6	12496.9	11797.2	11042.9	10217.3	8285.8
12.5°	46671.9	26964.9	18070.4	15350.9	14321.4	13476.3	12743.1	12024.4	11266.6	10442.9	8822.6
10°	61311.8	34892.1	21496.5	16415.7	14684.1	13738.5	12948.4	12213.6	11452.5	10630.0	9267.2
7.5°	78696.6	44389.9	24953.0	17269.6	14972.8	13946.4	13110.9	12363.0	11598.9	10777.1	9616.3
5°	91612.5	51391.9	27486.6	17892.6	15182.7	14097.2	13228.4	12470.9	11704.5	10883.2	9867.6
2.5°	99582.4	55687.6	29034.3	18272.1	15310.2	14188.7	13299.6	12536.1	11768.3	10947.1	10019.1
0°	102278.2	57136.1	29555.0	18399.5	15353.0	14219.3	13323.4	12557.9	11789.6	10968.5	10069.7
-2.5°	99582.4	55687.6	29034.3	18272.1	15310.2	14188.7	13299.6	12536.1	11768.3	10947.1	10019.1
-5°	91612.5	51391.9	27486.6	17892.6	15182.7	14097.2	13228.4	12470.9	11704.5	10883.2	9867.6
-7.5°	78696.6	44389.9	24953.0	17269.6	14972.8	13946.4	13110.9	12363.0	11598.9	10777.1	9616.3
-10°	61311.8	34892.1	21496.5	16415.7	14684.1	13738.5	12948.4	12213.6	11452.5	10630.0	9267.2
-12.5°	46671.9	26964.9	18070.4	15350.9	14321.4	13476.3	12743.1	12024.4	11266.6	10442.9	8822.6
-15°	31604.6	21417.2	16687.9	14880.3	13959.2	13186.6	12496.9	11797.2	11042.9	10217.3	8285.8
-17.5°	23589.4	17519.3	15266.8	14343.8	13568.6	12878.9	12211.9	11516.5	10765.7	9773.0	7635.1
-20°	17801.3	15652.6	14623.7	13847.2	13160.7	12534.1	11891.5	11199.3	10444.2	9004.5	6720.4



REPORT NUMBER: P700002 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-2S-S

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	15652.6	14718.3	13989.3	13335.5	12753.9	12154.3	11521.2	10837.4	10087.9	8150.6	5701.8
-25°	14623.7	13989.3	13403.9	12865.5	12315.1	11740.7	11111.9	10419.8	9112.2	7063.8	4726.3
-27.5°	13847.2	13335.5	12865.5	12369.3	11848.0	11272.6	10645.6	9814.9	8029.7	5764.5	4506.3
-30°	13160.7	12753.9	12315.1	11848.0	11326.6	10759.9	10136.8	8581.8	6624.2	4688.1	4270.6
-32.5°	12534.1	12154.3	11740.7	11272.6	10759.9	10192.5	8860.9	7147.4	5052.3	4420.2	4106.6
-35°	11891.5	11521.2	11111.9	10645.6	10136.8	8860.9	7323.0	5394.3	4511.1	4172.0	3960.3
-37.5°	11199.3	10837.4	10419.8	9814.9	8581.8	7147.4	5394.3	4541.6	4205.0	4008.7	3733.4
-40°	10444.2	10087.9	9112.2	8029.7	6624.2	5052.3	4511.1	4205.0	4024.9	3787.3	3462.2
-42.5°	9004.5	8150.6	7063.8	5764.5	4688.1	4420.2	4172.0	4008.7	3787.3	3488.7	3146.9
-45°	6720.4	5701.8	4726.3	4506.3	4270.6	4106.6	3960.3	3733.4	3462.2	3146.9	2811.4
-47.5°	4629.0	4457.7	4269.4	4131.5	4010.0	3858.5	3626.5	3380.2	3086.7	2784.0	2493.0
-50°	4172.7	4085.0	3988.6	3863.8	3672.5	3468.4	3229.5	2967.4	2702.4	2439.1	2176.2
-52.5°	3890.8	3753.8	3602.8	3438.6	3240.1	3021.9	2792.2	2567.6	2332.2	2104.5	1874.8
-55°	3424.7	3283.3	3123.2	2948.7	2764.4	2578.8	2381.7	2182.9	1986.2	1780.7	1581.5
-57.5°	2888.0	2759.7	2624.5	2477.1	2317.8	2159.0	1995.5	1822.7	1650.5	1473.7	1293.6
-60°	2381.7	2270.3	2159.0	2037.7	1906.6	1766.8	1627.3	1479.8	1324.6	1182.6	1035.0
-62.5°	1917.7	1826.8	1729.7	1627.3	1516.4	1397.4	1277.0	1159.9	1036.6	909.5	792.5
-65°	1485.0	1408.9	1324.6	1243.8	1156.7	1063.1	963.3	866.1	769.4	667.9	564.9
-67.5°	1094.1	1035.0	969.5	901.1	833.6	761.1	683.6	601.5	527.0	453.7	377.2
-70°	749.7	704.6	654.5	599.6	547.3	495.7	440.6	382.1	320.3	272.8	231.8
-72.5°	456.6	425.0	390.0	351.6	309.9	278.6	249.6	218.8	186.3	152.2	126.0
-75°	237.3	221.0	203.0	183.3	161.8	138.7	125.1	115.7	105.7	95.2	84.2
-77.5°	112.9	108.1	102.7	96.8	90.4	83.5	76.1	70.0	67.0	63.8	60.4
-80°	65.6	64.2	62.6	60.9	59.1	57.0	54.9	52.6	50.2	47.9	45.8
-82.5°	45.8	45.0	44.0	43.0	42.0	40.8	39.5	38.2	36.8	35.3	33.7
-85°	30.1	29.6	29.2	28.6	28.1	27.5	26.8	26.1	25.4	24.6	23.8
-87.5°	17.1	16.8	16.5	16.1	15.8	15.3	14.9	14.4	13.9	13.4	12.9
-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: P700002 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-2S-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°	12.3	11.7	11.1	10.4	9.8	9.1	8.4	7.7	7.0	6.2	5.5
85°	22.9	22.0	21.1	20.2	19.2	18.2	16.8	15.4	13.9	12.4	10.9
82.5°	32.1	30.7	29.3	27.9	26.4	24.9	23.4	21.8	20.2	18.5	16.4
80°	43.7	41.4	39.0	36.6	34.1	31.6	29.5	27.4	25.3	23.1	20.9
77.5°	56.9	53.3	49.5	46.4	43.2	40.0	36.8	33.4	30.4	27.6	24.9
75°	72.7	67.3	62.7	58.1	53.3	48.5	44.5	40.5	36.4	32.2	28.8
72.5°	112.6	98.7	84.2	70.4	64.8	59.0	53.2	47.5	42.8	37.9	33.0
70°	189.1	144.8	119.7	102.7	85.2	69.6	62.9	56.1	49.1	43.5	37.9
67.5°	298.2	248.3	196.7	143.5	116.1	95.9	75.3	64.9	57.0	49.1	42.8
65°	476.1	384.1	293.1	234.1	173.4	124.1	101.3	78.0	64.9	56.1	47.5
62.5°	670.9	551.4	446.8	339.1	256.7	188.4	126.8	101.3	75.3	62.9	53.2
60°	887.2	749.7	607.9	484.6	364.3	264.2	188.4	124.1	95.9	69.6	59.0
57.5°	1127.2	955.3	797.4	639.5	497.3	364.3	256.7	173.4	116.1	85.2	64.8
55°	1375.4	1183.0	992.3	813.3	639.5	484.6	339.1	234.1	143.5	102.7	70.4
52.5°	1646.8	1418.6	1201.7	992.3	797.4	607.9	446.8	293.1	196.7	119.7	84.2
50°	1922.2	1668.6	1418.6	1183.0	955.3	749.7	551.4	384.1	248.3	144.8	98.7
47.5°	2200.2	1922.2	1646.8	1375.4	1127.2	887.2	670.9	476.1	298.2	189.1	112.6
45°	2493.0	2176.2	1874.8	1581.5	1293.6	1035.0	792.5	564.9	377.2	231.8	126.0
42.5°	2784.0	2439.1	2104.5	1780.7	1473.7	1182.6	909.5	667.9	453.7	272.8	152.2
40°	3086.7	2702.4	2332.2	1986.2	1650.5	1324.6	1036.6	769.4	527.0	320.3	186.3
37.5°	3380.2	2967.4	2567.6	2182.9	1822.7	1479.8	1159.9	866.1	601.5	382.1	218.8
35°	3626.5	3229.5	2792.2	2381.7	1995.5	1627.3	1277.0	963.3	683.6	440.6	249.6
32.5°	3858.5	3468.4	3021.9	2578.8	2159.0	1766.8	1397.4	1063.1	761.1	495.7	278.6
30°	4010.0	3672.5	3240.1	2764.4	2317.8	1906.6	1516.4	1156.7	833.6	547.3	309.9
27.5°	4131.5	3863.8	3438.6	2948.7	2477.1	2037.7	1627.3	1243.8	901.1	599.6	351.6
25°	4269.4	3988.6	3602.8	3123.2	2624.5	2159.0	1729.7	1324.6	969.5	654.5	390.0
22.5°	4457.7	4085.0	3753.8	3283.3	2759.7	2270.3	1826.8	1408.9	1035.0	704.6	425.0
20°	4629.0	4172.7	3890.8	3424.7	2888.0	2381.7	1917.7	1485.0	1094.1	749.7	456.6
17.5°	4895.0	4281.1	3971.8	3537.0	3006.3	2480.9	1998.6	1552.7	1146.6	789.9	484.6
15°	5637.5	4405.4	4035.1	3635.3	3109.8	2567.6	2069.2	1611.7	1192.4	824.8	509.0
12.5°	6273.6	4511.8	4089.1	3719.2	3198.1	2641.5	2129.4	1662.0	1231.4	854.6	529.8
10°	6799.6	4599.6	4133.7	3788.4	3270.8	2702.4	2178.9	1703.4	1263.5	879.1	546.9
7.5°	7212.2	4668.5	4168.6	3842.6	3327.7	2749.9	2217.6	1735.7	1288.5	898.2	560.2
5°	7509.0	4718.0	4193.7	3881.4	3368.6	2784.0	2245.4	1758.8	1306.4	911.8	569.8
2.5°	7687.8	4747.7	4208.8	3904.8	3393.1	2804.6	2262.0	1772.8	1317.2	920.1	575.5
0°	7747.5	4757.7	4213.8	3912.6	3401.3	2811.4	2267.6	1777.4	1320.8	922.8	577.4
-2.5°	7687.8	4747.7	4208.8	3904.8	3393.1	2804.6	2262.0	1772.8	1317.2	920.1	575.5
-5°	7509.0	4718.0	4193.7	3881.4	3368.6	2784.0	2245.4	1758.8	1306.4	911.8	569.8
-7.5°	7212.2	4668.5	4168.6	3842.6	3327.7	2749.9	2217.6	1735.7	1288.5	898.2	560.2
-10°	6799.6	4599.6	4133.7	3788.4	3270.8	2702.4	2178.9	1703.4	1263.5	879.1	546.9
-12.5°	6273.6	4511.8	4089.1	3719.2	3198.1	2641.5	2129.4	1662.0	1231.4	854.6	529.8
-15°	5637.5	4405.4	4035.1	3635.3	3109.8	2567.6	2069.2	1611.7	1192.4	824.8	509.0
-17.5°	4895.0	4281.1	3971.8	3537.0	3006.3	2480.9	1998.6	1552.7	1146.6	789.9	484.6
-20°	4629.0	4172.7	3890.8	3424.7	2888.0	2381.7	1917.7	1485.0	1094.1	749.7	456.6



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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°	4457.7	4085.0	3753.8	3283.3	2759.7	2270.3	1826.8	1408.9	1035.0	704.6	425.0
-25°	4269.4	3988.6	3602.8	3123.2	2624.5	2159.0	1729.7	1324.6	969.5	654.5	390.0
-27.5°	4131.5	3863.8	3438.6	2948.7	2477.1	2037.7	1627.3	1243.8	901.1	599.6	351.6
-30°	4010.0	3672.5	3240.1	2764.4	2317.8	1906.6	1516.4	1156.7	833.6	547.3	309.9
-32.5°	3858.5	3468.4	3021.9	2578.8	2159.0	1766.8	1397.4	1063.1	761.1	495.7	278.6
-35°	3626.5	3229.5	2792.2	2381.7	1995.5	1627.3	1277.0	963.3	683.6	440.6	249.6
-37.5°	3380.2	2967.4	2567.6	2182.9	1822.7	1479.8	1159.9	866.1	601.5	382.1	218.8
-40°	3086.7	2702.4	2332.2	1986.2	1650.5	1324.6	1036.6	769.4	527.0	320.3	186.3
-42.5°	2784.0	2439.1	2104.5	1780.7	1473.7	1182.6	909.5	667.9	453.7	272.8	152.2
-45°	2493.0	2176.2	1874.8	1581.5	1293.6	1035.0	792.5	564.9	377.2	231.8	126.0
-47.5°	2200.2	1922.2	1646.8	1375.4	1127.2	887.2	670.9	476.1	298.2	189.1	112.6
-50°	1922.2	1668.6	1418.6	1183.0	955.3	749.7	551.4	384.1	248.3	144.8	98.7
-52.5°	1646.8	1418.6	1201.7	992.3	797.4	607.9	446.8	293.1	196.7	119.7	84.2
-55°	1375.4	1183.0	992.3	813.3	639.5	484.6	339.1	234.1	143.5	102.7	70.4
-57.5°	1127.2	955.3	797.4	639.5	497.3	364.3	256.7	173.4	116.1	85.2	64.8
-60°	887.2	749.7	607.9	484.6	364.3	264.2	188.4	124.1	95.9	69.6	59.0
-62.5°	670.9	551.4	446.8	339.1	256.7	188.4	126.8	101.3	75.3	62.9	53.2
-65°	476.1	384.1	293.1	234.1	173.4	124.1	101.3	78.0	64.9	56.1	47.5
-67.5°	298.2	248.3	196.7	143.5	116.1	95.9	75.3	64.9	57.0	49.1	42.8
-70°	189.1	144.8	119.7	102.7	85.2	69.6	62.9	56.1	49.1	43.5	37.9
-72.5°	112.6	98.7	84.2	70.4	64.8	59.0	53.2	47.5	42.8	37.9	33.0
-75°	72.7	67.3	62.7	58.1	53.3	48.5	44.5	40.5	36.4	32.2	28.8
-77.5°	56.9	53.3	49.5	46.4	43.2	40.0	36.8	33.4	30.4	27.6	24.9
-80°	43.7	41.4	39.0	36.6	34.1	31.6	29.5	27.4	25.3	23.1	20.9
-82.5°	32.1	30.7	29.3	27.9	26.4	24.9	23.4	21.8	20.2	18.5	16.4
-85°	22.9	22.0	21.1	20.2	19.2	18.2	16.8	15.4	13.9	12.4	10.9
-87.5°	12.3	11.7	11.1	10.4	9.8	9.1	8.4	7.7	7.0	6.2	5.5
-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°	4.7	3.9	3.2	2.4	1.6	0.8	0.0
85°	9.4	7.9	6.3	4.7	3.2	1.6	0.0
82.5°	14.1	11.8	9.5	7.1	4.7	2.4	0.0
80°	18.6	15.7	12.6	9.5	6.3	3.2	0.0
77.5°	22.0	19.2	15.7	11.8	7.9	3.9	0.0
75°	25.4	22.0	18.6	14.1	9.4	4.7	0.0
72.5°	28.8	24.9	20.9	16.4	10.9	5.5	0.0
70°	32.2	27.6	23.1	18.5	12.4	6.2	0.0
67.5°	36.4	30.4	25.3	20.2	13.9	7.0	0.0
65°	40.5	33.4	27.4	21.8	15.4	7.7	0.0
62.5°	44.5	36.8	29.5	23.4	16.8	8.4	0.0
60°	48.5	40.0	31.6	24.9	18.2	9.1	0.0
57.5°	53.3	43.2	34.1	26.4	19.2	9.8	0.0
55°	58.1	46.4	36.6	27.9	20.2	10.4	0.0
52.5°	62.7	49.5	39.0	29.3	21.1	11.1	0.0
50°	67.3	53.3	41.4	30.7	22.0	11.7	0.0
47.5°	72.7	56.9	43.7	32.1	22.9	12.3	0.0
45°	84.2	60.4	45.8	33.7	23.8	12.9	0.0
42.5°	95.2	63.8	47.9	35.3	24.6	13.4	0.0
40°	105.7	67.0	50.2	36.8	25.4	13.9	0.0
37.5°	115.7	70.0	52.6	38.2	26.1	14.4	0.0
35°	125.1	76.1	54.9	39.5	26.8	14.9	0.0
32.5°	138.7	83.5	57.0	40.8	27.5	15.3	0.0
30°	161.8	90.4	59.1	42.0	28.1	15.8	0.0
27.5°	183.3	96.8	60.9	43.0	28.6	16.1	0.0
25°	203.0	102.7	62.6	44.0	29.2	16.5	0.0
22.5°	221.0	108.1	64.2	45.0	29.6	16.8	0.0
20°	237.3	112.9	65.6	45.8	30.1	17.1	0.0
17.5°	251.7	117.2	66.9	46.5	30.4	17.4	0.0
15°	264.2	121.0	68.0	47.1	30.8	17.6	0.0
12.5°	274.9	124.1	68.9	47.7	31.1	17.8	0.0
10°	283.6	126.7	69.6	48.1	31.3	17.9	0.0
7.5°	290.5	128.8	70.2	48.5	31.5	18.0	0.0
5°	295.4	130.2	70.7	48.7	31.6	18.1	0.0
2.5°	298.3	131.1	70.9	48.9	31.7	18.2	0.0
0°	299.3	131.4	71.0	48.9	31.7	18.2	0.0
-2.5°	298.3	131.1	70.9	48.9	31.7	18.2	0.0
-5°	295.4	130.2	70.7	48.7	31.6	18.1	0.0
-7.5°	290.5	128.8	70.2	48.5	31.5	18.0	0.0
-10°	283.6	126.7	69.6	48.1	31.3	17.9	0.0
-12.5°	274.9	124.1	68.9	47.7	31.1	17.8	0.0
-15°	264.2	121.0	68.0	47.1	30.8	17.6	0.0
-17.5°	251.7	117.2	66.9	46.5	30.4	17.4	0.0
-20°	237.3	112.9	65.6	45.8	30.1	17.1	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	221.0	108.1	64.2	45.0	29.6	16.8	0.0
-25°	203.0	102.7	62.6	44.0	29.2	16.5	0.0
-27.5°	183.3	96.8	60.9	43.0	28.6	16.1	0.0
-30°	161.8	90.4	59.1	42.0	28.1	15.8	0.0
-32.5°	138.7	83.5	57.0	40.8	27.5	15.3	0.0
-35°	125.1	76.1	54.9	39.5	26.8	14.9	0.0
-37.5°	115.7	70.0	52.6	38.2	26.1	14.4	0.0
-40°	105.7	67.0	50.2	36.8	25.4	13.9	0.0
-42.5°	95.2	63.8	47.9	35.3	24.6	13.4	0.0
-45°	84.2	60.4	45.8	33.7	23.8	12.9	0.0
-47.5°	72.7	56.9	43.7	32.1	22.9	12.3	0.0
-50°	67.3	53.3	41.4	30.7	22.0	11.7	0.0
-52.5°	62.7	49.5	39.0	29.3	21.1	11.1	0.0
-55°	58.1	46.4	36.6	27.9	20.2	10.4	0.0
-57.5°	53.3	43.2	34.1	26.4	19.2	9.8	0.0
-60°	48.5	40.0	31.6	24.9	18.2	9.1	0.0
-62.5°	44.5	36.8	29.5	23.4	16.8	8.4	0.0
-65°	40.5	33.4	27.4	21.8	15.4	7.7	0.0
-67.5°	36.4	30.4	25.3	20.2	13.9	7.0	0.0
-70°	32.2	27.6	23.1	18.5	12.4	6.2	0.0
-72.5°	28.8	24.9	20.9	16.4	10.9	5.5	0.0
-75°	25.4	22.0	18.6	14.1	9.4	4.7	0.0
-77.5°	22.0	19.2	15.7	11.8	7.9	3.9	0.0
-80°	18.6	15.7	12.6	9.5	6.3	3.2	0.0
-82.5°	14.1	11.8	9.5	7.1	4.7	2.4	0.0
-85°	9.4	7.9	6.3	4.7	3.2	1.6	0.0
-87.5°	4.7	3.9	3.2	2.4	1.6	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)