

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: P700010 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-LS-16-1200R-57-80-5S-S**

Issue Date: 8/10/2023

**Test Information**

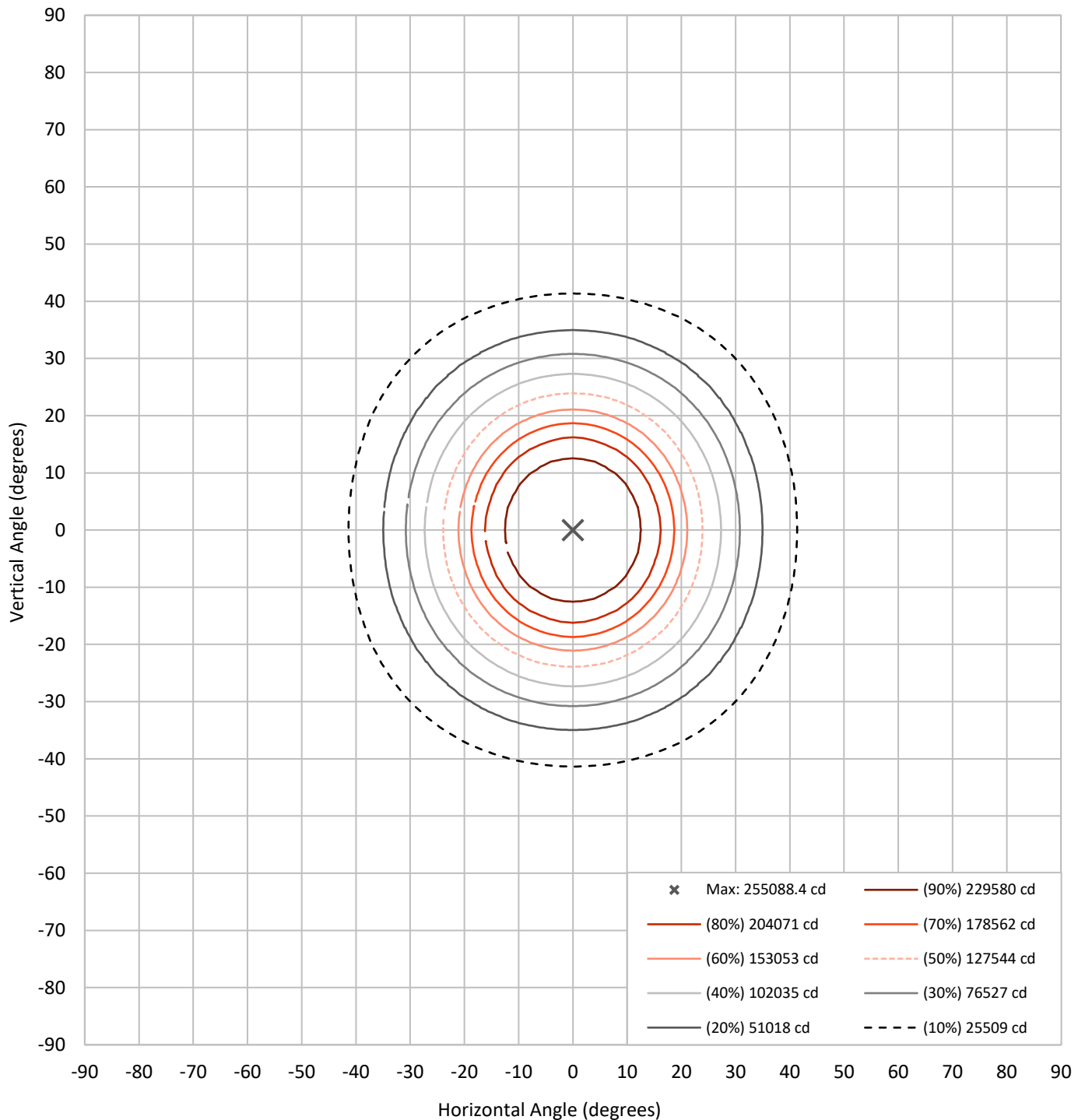
Test Method: LM-79-08  
Report Number: P700010 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-13)  
Test Lab: INNOVATION CENTER  
Issue Date: 8/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-LS-16-1200R-57-80-5S-S  
Description: EPHEBUS LUMASPORT 16 LUMINAIRE  
(16) 5700K, 80 CRI LEDS AND 5S BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	186143.4 lumens	Max Intensity:	255088.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	149.6 lumens/watt		
Luminous Opening:	Circular (Dia: 1.67' x H: 0')		
Beam Angle (50%):	47.8°H x 47.8°V	Field Angle (10%):	82.7°H x 82.7°V
Beam Lumens:	103753.5 lumens	Field Lumens:	171258.1 lumens
Beam Efficiency:	55.7%	Field Efficiency:	92.0%
Input Watts (W):	1244.6		
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





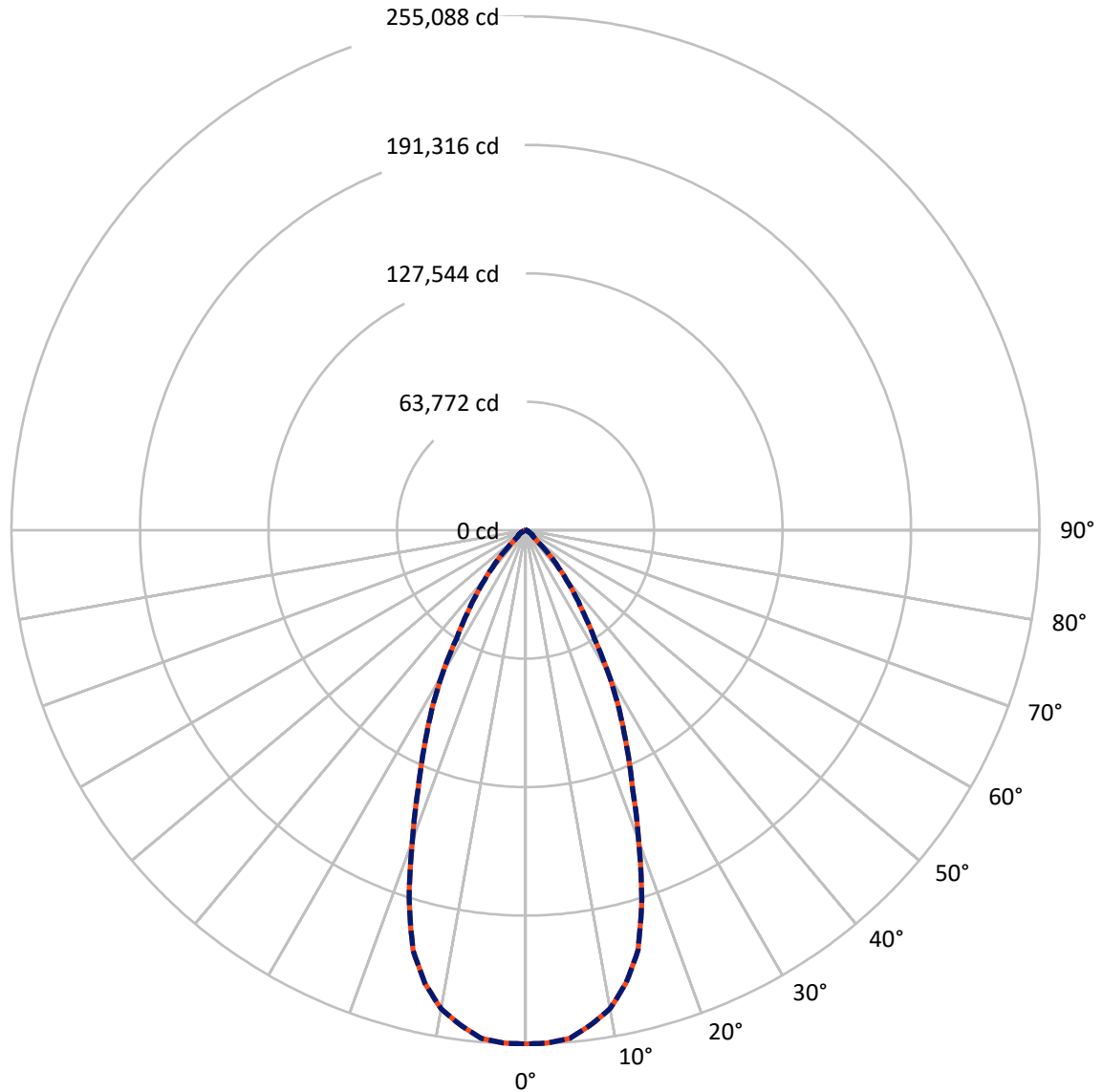
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### Lumen Table

90																			
80	0.2	1.7		6.6		15.1		19.4		15.1		6.6		1.7		0.2			
70																			
60	0.8	1.1	3.8	10.1	19.9	31.4	41.7	47.6	47.6	41.7	31.4	19.9	10.1	3.8	1.1	0.8			
50		2.9	11.6	29.6	56.1	85.2	108.2	121.0	121.0	108.2	85.2	56.1	29.6	11.6	2.9				
40	2.2	6.2	24.2	59.3	103.8	176.8	322.8	442.8	442.8	322.8	176.8	103.8	59.3	24.2	6.2	2.2			
30		10.6	39.7	89.9	228.3	651.0	1164.2	1529.8	1529.8	1164.2	651.0	228.3	89.9	39.7	10.6				
20	4.4	15.1	54.7	139.4	591.7	1467.7	2638.0	3499.2	3499.2	2638.0	1467.7	591.7	139.4	54.7	15.1	4.4			
10		18.9	65.1	241.1	994.7	2482.3	4501.6	6108.9	6108.9	4501.6	2482.3	994.7	241.1	65.1	18.9				
0	5.3	20.9	70.5	321.6	1269.2	3196.3	5931.1	7444.9	7444.9	5931.1	3196.3	1269.2	321.6	70.5	20.9	5.3			
-10		20.9	70.5	321.6	1269.2	3196.3	5931.1	7444.9	7444.9	5931.1	3196.3	1269.2	321.6	70.5	20.9				
-20	4.4	18.9	65.1	241.1	994.7	2482.3	4501.6	6108.9	6108.9	4501.6	2482.3	994.7	241.1	65.1	18.9	4.4			
-30		15.1	54.7	139.4	591.7	1467.7	2638.0	3499.2	3499.2	2638.0	1467.7	591.7	139.4	54.7	15.1				
-40	2.2	10.6	39.7	89.9	228.3	651.0	1164.2	1529.8	1529.8	1164.2	651.0	228.3	89.9	39.7	10.6	2.2			
-50		6.2	24.2	59.3	103.8	176.8	322.8	442.8	442.8	322.8	176.8	103.8	59.3	24.2	6.2				
-60	0.8	2.9	11.6	29.6	56.1	85.2	108.2	121.0	121.0	108.2	85.2	56.1	29.6	11.6	2.9	0.8			
-70		1.1	3.8	10.1	19.9	31.4	41.7	47.6	47.6	41.7	31.4	19.9	10.1	3.8	1.1				
-80	0.2	1.7		6.6		15.1		19.4		15.1		6.6		1.7		0.2			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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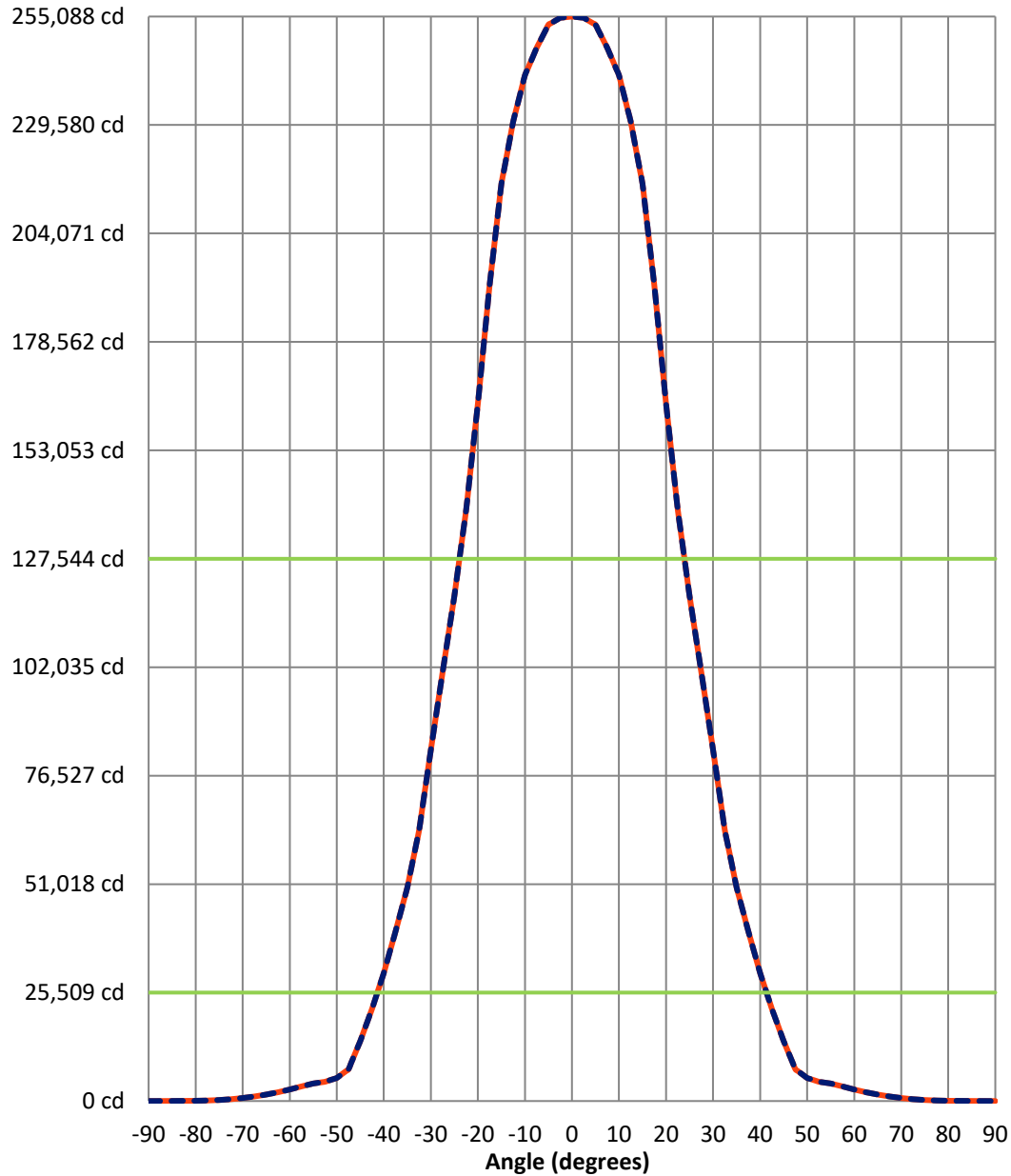
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 47.8°  
V Angle: 47.8°  
Lumens: 103753.5  
Efficiency: 55.7%

**Field:**  
H Angle: 82.7°  
V Angle: 82.7°  
Lumens: 171258.1  
Efficiency: 92.0%

**Spill:**  
Lumens: 14885.2  
Efficiency: 8.0%

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



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FIELD  
 BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.0	2.3	2.6	2.9
85°	0.0	0.6	1.2	1.8	2.4	2.9	3.5	4.1	4.6	5.2	5.7
82.5°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.1	7.2	9.1	10.9
80°	0.0	1.2	2.4	3.5	4.7	5.9	7.3	9.9	12.4	14.9	17.4
77.5°	0.0	1.5	2.9	4.4	5.9	7.9	11.2	14.4	17.6	20.8	24.2
75°	0.0	1.8	3.5	5.3	7.3	11.2	15.1	19.0	22.9	27.6	32.3
72.5°	0.0	2.0	4.1	6.1	9.9	14.4	19.0	23.8	29.3	34.8	40.2
70°	0.0	2.3	4.6	7.2	12.4	17.6	22.9	29.3	35.7	42.0	49.4
67.5°	0.0	2.6	5.2	9.1	14.9	20.8	27.6	34.8	42.0	50.4	58.6
65°	0.0	2.9	5.7	10.9	17.4	24.2	32.3	40.2	49.4	58.6	72.2
62.5°	0.0	3.1	6.3	12.7	19.8	28.0	36.8	46.3	56.6	69.5	95.8
60°	0.0	3.4	6.8	14.5	22.2	31.8	41.3	52.5	63.7	90.3	118.9
57.5°	0.0	3.7	7.9	16.2	25.1	35.4	46.4	58.6	79.5	110.8	155.9
55°	0.0	3.9	9.1	17.9	27.9	38.9	51.5	64.5	97.3	134.8	198.8
52.5°	0.0	4.1	10.2	19.6	30.6	42.5	56.4	78.5	114.5	172.4	240.6
50°	0.0	4.4	11.2	21.1	33.3	46.4	61.2	93.1	135.8	208.8	302.7
47.5°	0.0	4.6	12.2	22.8	35.8	50.3	66.8	107.2	167.1	244.1	365.4
45°	0.0	4.8	13.2	24.6	38.3	53.9	78.4	120.8	197.2	297.9	425.9
42.5°	0.0	5.0	14.1	26.4	40.7	57.5	89.6	141.0	226.2	350.1	508.2
40°	0.0	5.2	15.0	28.1	43.1	60.8	100.2	165.1	259.2	400.0	591.0
37.5°	0.0	5.4	15.9	29.7	45.7	64.1	110.4	188.1	301.3	454.0	670.0
35°	0.0	5.6	16.7	31.2	48.1	70.3	119.9	209.8	341.2	521.1	753.0
32.5°	0.0	5.7	17.4	32.6	50.4	77.8	131.4	230.3	378.7	584.3	843.6
30°	0.0	5.9	18.1	33.9	52.5	84.8	147.8	252.1	413.9	643.5	928.6
27.5°	0.0	6.0	18.8	35.2	54.5	91.3	162.9	280.5	452.5	698.5	1007.7
25°	0.0	6.2	19.4	36.3	56.3	97.2	176.9	306.7	497.3	758.6	1081.5
22.5°	0.0	6.3	19.9	37.3	57.9	102.7	189.6	330.5	538.1	818.1	1164.7
20°	0.0	6.4	20.4	38.3	59.4	107.6	201.1	352.1	575.0	871.8	1239.8
17.5°	0.0	6.5	20.9	39.1	60.7	111.9	211.2	371.2	607.7	919.5	1306.6
15°	0.0	6.6	21.2	39.8	61.9	115.7	220.1	387.8	636.3	961.1	1364.9
12.5°	0.0	6.6	21.6	40.4	62.9	118.9	227.7	402.0	660.6	996.5	1414.6
10°	0.0	6.7	21.8	40.9	63.7	121.6	233.8	413.6	680.5	1025.6	1455.4
7.5°	0.0	6.7	22.0	41.3	64.3	123.6	238.7	422.7	696.1	1048.4	1487.3
5°	0.0	6.8	22.2	41.6	64.7	125.1	242.1	429.2	707.3	1064.6	1510.2
2.5°	0.0	6.8	22.3	41.7	65.0	126.0	244.2	433.1	714.0	1074.4	1523.9
0°	0.0	6.8	22.3	41.8	65.1	126.3	244.9	434.4	716.2	1077.7	1528.5
-2.5°	0.0	6.8	22.3	41.7	65.0	126.0	244.2	433.1	714.0	1074.4	1523.9
-5°	0.0	6.8	22.2	41.6	64.7	125.1	242.1	429.2	707.3	1064.6	1510.2
-7.5°	0.0	6.7	22.0	41.3	64.3	123.6	238.7	422.7	696.1	1048.4	1487.3
-10°	0.0	6.7	21.8	40.9	63.7	121.6	233.8	413.6	680.5	1025.6	1455.4
-12.5°	0.0	6.6	21.6	40.4	62.9	118.9	227.7	402.0	660.6	996.5	1414.6
-15°	0.0	6.6	21.2	39.8	61.9	115.7	220.1	387.8	636.3	961.1	1364.9
-17.5°	0.0	6.5	20.9	39.1	60.7	111.9	211.2	371.2	607.7	919.5	1306.6
-20°	0.0	6.4	20.4	38.3	59.4	107.6	201.1	352.1	575.0	871.8	1239.8



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	6.3	19.9	37.3	57.9	102.7	189.6	330.5	538.1	818.1	1164.7
-25°	0.0	6.2	19.4	36.3	56.3	97.2	176.9	306.7	497.3	758.6	1081.5
-27.5°	0.0	6.0	18.8	35.2	54.5	91.3	162.9	280.5	452.5	698.5	1007.7
-30°	0.0	5.9	18.1	33.9	52.5	84.8	147.8	252.1	413.9	643.5	928.6
-32.5°	0.0	5.7	17.4	32.6	50.4	77.8	131.4	230.3	378.7	584.3	843.6
-35°	0.0	5.6	16.7	31.2	48.1	70.3	119.9	209.8	341.2	521.1	753.0
-37.5°	0.0	5.4	15.9	29.7	45.7	64.1	110.4	188.1	301.3	454.0	670.0
-40°	0.0	5.2	15.0	28.1	43.1	60.8	100.2	165.1	259.2	400.0	591.0
-42.5°	0.0	5.0	14.1	26.4	40.7	57.5	89.6	141.0	226.2	350.1	508.2
-45°	0.0	4.8	13.2	24.6	38.3	53.9	78.4	120.8	197.2	297.9	425.9
-47.5°	0.0	4.6	12.2	22.8	35.8	50.3	66.8	107.2	167.1	244.1	365.4
-50°	0.0	4.4	11.2	21.1	33.3	46.4	61.2	93.1	135.8	208.8	302.7
-52.5°	0.0	4.1	10.2	19.6	30.6	42.5	56.4	78.5	114.5	172.4	240.6
-55°	0.0	3.9	9.1	17.9	27.9	38.9	51.5	64.5	97.3	134.8	198.8
-57.5°	0.0	3.7	7.9	16.2	25.1	35.4	46.4	58.6	79.5	110.8	155.9
-60°	0.0	3.4	6.8	14.5	22.2	31.8	41.3	52.5	63.7	90.3	118.9
-62.5°	0.0	3.1	6.3	12.7	19.8	28.0	36.8	46.3	56.6	69.5	95.8
-65°	0.0	2.9	5.7	10.9	17.4	24.2	32.3	40.2	49.4	58.6	72.2
-67.5°	0.0	2.6	5.2	9.1	14.9	20.8	27.6	34.8	42.0	50.4	58.6
-70°	0.0	2.3	4.6	7.2	12.4	17.6	22.9	29.3	35.7	42.0	49.4
-72.5°	0.0	2.0	4.1	6.1	9.9	14.4	19.0	23.8	29.3	34.8	40.2
-75°	0.0	1.8	3.5	5.3	7.3	11.2	15.1	19.0	22.9	27.6	32.3
-77.5°	0.0	1.5	2.9	4.4	5.9	7.9	11.2	14.4	17.6	20.8	24.2
-80°	0.0	1.2	2.4	3.5	4.7	5.9	7.3	9.9	12.4	14.9	17.4
-82.5°	0.0	0.9	1.8	2.7	3.5	4.4	5.3	6.1	7.2	9.1	10.9
-85°	0.0	0.6	1.2	1.8	2.4	2.9	3.5	4.1	4.6	5.2	5.7
-87.5°	0.0	0.3	0.6	0.9	1.2	1.5	1.8	2.0	2.3	2.6	2.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.1	3.4	3.7	3.9	4.1	4.4	4.6	4.8	5.0	5.2	5.4
85°	6.3	6.8	7.9	9.1	10.2	11.2	12.2	13.2	14.1	15.0	15.9
82.5°	12.7	14.5	16.2	17.9	19.6	21.1	22.8	24.6	26.4	28.1	29.7
80°	19.8	22.2	25.1	27.9	30.6	33.3	35.8	38.3	40.7	43.1	45.7
77.5°	28.0	31.8	35.4	38.9	42.5	46.4	50.3	53.9	57.5	60.8	64.1
75°	36.8	41.3	46.4	51.5	56.4	61.2	66.8	78.4	89.6	100.2	110.4
72.5°	46.3	52.5	58.6	64.5	78.5	93.1	107.2	120.8	141.0	165.1	188.1
70°	56.6	63.7	79.5	97.3	114.5	135.8	167.1	197.2	226.2	259.2	301.3
67.5°	69.5	90.3	110.8	134.8	172.4	208.8	244.1	297.9	350.1	400.0	454.0
65°	95.8	118.9	155.9	198.8	240.6	302.7	365.4	425.9	508.2	591.0	670.0
62.5°	121.7	166.6	214.8	272.0	345.4	416.7	510.7	609.9	705.3	819.6	931.6
60°	166.6	220.1	289.2	371.2	459.3	575.0	687.2	818.1	952.1	1081.5	1234.7
57.5°	214.8	289.2	379.8	485.1	613.9	745.7	901.9	1053.0	1228.6	1403.2	1578.3
55°	272.0	371.2	485.1	626.9	779.3	952.6	1131.7	1335.1	1532.1	1758.2	1974.6
52.5°	345.4	459.3	613.9	779.3	969.5	1174.3	1399.5	1635.7	1888.4	2144.8	2425.4
50°	416.7	575.0	745.7	952.6	1174.3	1421.1	1687.8	1967.3	2272.3	2586.0	2909.0
47.5°	510.7	687.2	901.9	1131.7	1399.5	1687.8	1993.7	2336.5	2683.4	3056.6	3419.7
45°	609.9	818.1	1053.0	1335.1	1635.7	1967.3	2336.5	2716.0	3131.0	3527.5	3891.4
42.5°	705.3	952.1	1228.6	1532.1	1888.4	2272.3	2683.4	3131.0	3563.1	3963.7	4259.8
40°	819.6	1081.5	1403.2	1758.2	2144.8	2586.0	3056.6	3527.5	3963.7	4281.4	4521.3
37.5°	931.6	1234.7	1578.3	1974.6	2425.4	2909.0	3419.7	3891.4	4259.8	4521.3	5072.5
35°	1037.9	1380.3	1768.4	2203.7	2693.2	3233.3	3748.0	4195.4	4477.4	5022.3	5865.3
32.5°	1153.3	1518.0	1948.3	2438.7	2976.4	3535.9	4059.2	4390.3	4872.7	5630.4	7069.3
30°	1270.8	1670.6	2127.6	2660.0	3246.3	3809.6	4261.6	4626.6	5313.6	6710.0	9867.2
27.5°	1380.3	1814.9	2317.5	2885.8	3495.8	4066.3	4423.4	5014.5	6119.5	8288.3	13393.5
25°	1481.4	1948.3	2493.2	3101.7	3716.2	4233.1	4624.6	5376.4	7011.9	11384.2	17073.5
22.5°	1582.9	2071.0	2654.3	3299.8	3918.7	4361.6	4934.4	6076.5	8634.2	14276.0	20593.7
20°	1682.8	2203.7	2810.7	3477.2	4102.5	4478.3	5216.4	6776.0	11076.2	17279.5	24067.1
17.5°	1771.8	2322.0	2957.1	3627.9	4210.7	4643.9	5522.4	7404.2	13273.8	19989.0	27321.2
15°	1849.6	2425.4	3085.2	3759.7	4295.0	4848.4	6032.3	9020.8	15366.4	22462.0	30220.0
12.5°	1915.8	2513.5	3194.4	3872.3	4367.0	5023.4	6469.2	10556.0	17268.1	24757.4	33114.3
10°	1970.3	2586.0	3284.4	3965.2	4426.4	5168.0	6830.4	11827.2	18845.4	26664.6	35524.4
7.5°	2012.8	2642.7	3354.8	4037.8	4472.9	5281.3	7113.8	12825.6	20085.8	28166.9	37426.5
5°	2043.3	2683.4	3405.3	4089.9	4506.3	5362.7	7317.6	13544.1	20979.3	29250.4	38800.4
2.5°	2061.7	2707.8	3435.7	4121.3	4526.4	5411.7	7440.4	13977.4	21518.5	29904.8	39631.1
0°	2067.8	2716.0	3445.8	4131.8	4533.1	5428.1	7481.4	14122.2	21698.8	30123.7	39909.0
-2.5°	2061.7	2707.8	3435.7	4121.3	4526.4	5411.7	7440.4	13977.4	21518.5	29904.8	39631.1
-5°	2043.3	2683.4	3405.3	4089.9	4506.3	5362.7	7317.6	13544.1	20979.3	29250.4	38800.4
-7.5°	2012.8	2642.7	3354.8	4037.8	4472.9	5281.3	7113.8	12825.6	20085.8	28166.9	37426.5
-10°	1970.3	2586.0	3284.4	3965.2	4426.4	5168.0	6830.4	11827.2	18845.4	26664.6	35524.4
-12.5°	1915.8	2513.5	3194.4	3872.3	4367.0	5023.4	6469.2	10556.0	17268.1	24757.4	33114.3
-15°	1849.6	2425.4	3085.2	3759.7	4295.0	4848.4	6032.3	9020.8	15366.4	22462.0	30220.0
-17.5°	1771.8	2322.0	2957.1	3627.9	4210.7	4643.9	5522.4	7404.2	13273.8	19989.0	27321.2
-20°	1682.8	2203.7	2810.7	3477.2	4102.5	4478.3	5216.4	6776.0	11076.2	17279.5	24067.1



REPORT NUMBER: P700010 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-5S-S

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1582.9	2071.0	2654.3	3299.8	3918.7	4361.6	4934.4	6076.5	8634.2	14276.0	20593.7
-25°	1481.4	1948.3	2493.2	3101.7	3716.2	4233.1	4624.6	5376.4	7011.9	11384.2	17073.5
-27.5°	1380.3	1814.9	2317.5	2885.8	3495.8	4066.3	4423.4	5014.5	6119.5	8288.3	13393.5
-30°	1270.8	1670.6	2127.6	2660.0	3246.3	3809.6	4261.6	4626.6	5313.6	6710.0	9867.2
-32.5°	1153.3	1518.0	1948.3	2438.7	2976.4	3535.9	4059.2	4390.3	4872.7	5630.4	7069.3
-35°	1037.9	1380.3	1768.4	2203.7	2693.2	3233.3	3748.0	4195.4	4477.4	5022.3	5865.3
-37.5°	931.6	1234.7	1578.3	1974.6	2425.4	2909.0	3419.7	3891.4	4259.8	4521.3	5072.5
-40°	819.6	1081.5	1403.2	1758.2	2144.8	2586.0	3056.6	3527.5	3963.7	4281.4	4521.3
-42.5°	705.3	952.1	1228.6	1532.1	1888.4	2272.3	2683.4	3131.0	3563.1	3963.7	4259.8
-45°	609.9	818.1	1053.0	1335.1	1635.7	1967.3	2336.5	2716.0	3131.0	3527.5	3891.4
-47.5°	510.7	687.2	901.9	1131.7	1399.5	1687.8	1993.7	2336.5	2683.4	3056.6	3419.7
-50°	416.7	575.0	745.7	952.6	1174.3	1421.1	1687.8	1967.3	2272.3	2586.0	2909.0
-52.5°	345.4	459.3	613.9	779.3	969.5	1174.3	1399.5	1635.7	1888.4	2144.8	2425.4
-55°	272.0	371.2	485.1	626.9	779.3	952.6	1131.7	1335.1	1532.1	1758.2	1974.6
-57.5°	214.8	289.2	379.8	485.1	613.9	745.7	901.9	1053.0	1228.6	1403.2	1578.3
-60°	166.6	220.1	289.2	371.2	459.3	575.0	687.2	818.1	952.1	1081.5	1234.7
-62.5°	121.7	166.6	214.8	272.0	345.4	416.7	510.7	609.9	705.3	819.6	931.6
-65°	95.8	118.9	155.9	198.8	240.6	302.7	365.4	425.9	508.2	591.0	670.0
-67.5°	69.5	90.3	110.8	134.8	172.4	208.8	244.1	297.9	350.1	400.0	454.0
-70°	56.6	63.7	79.5	97.3	114.5	135.8	167.1	197.2	226.2	259.2	301.3
-72.5°	46.3	52.5	58.6	64.5	78.5	93.1	107.2	120.8	141.0	165.1	188.1
-75°	36.8	41.3	46.4	51.5	56.4	61.2	66.8	78.4	89.6	100.2	110.4
-77.5°	28.0	31.8	35.4	38.9	42.5	46.4	50.3	53.9	57.5	60.8	64.1
-80°	19.8	22.2	25.1	27.9	30.6	33.3	35.8	38.3	40.7	43.1	45.7
-82.5°	12.7	14.5	16.2	17.9	19.6	21.1	22.8	24.6	26.4	28.1	29.7
-85°	6.3	6.8	7.9	9.1	10.2	11.2	12.2	13.2	14.1	15.0	15.9
-87.5°	3.1	3.4	3.7	3.9	4.1	4.4	4.6	4.8	5.0	5.2	5.4
-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: P700010 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**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°	5.6	5.7	5.9	6.0	6.2	6.3	6.4	6.5	6.6	6.6	6.7
85°	16.7	17.4	18.1	18.8	19.4	19.9	20.4	20.9	21.2	21.6	21.8
82.5°	31.2	32.6	33.9	35.2	36.3	37.3	38.3	39.1	39.8	40.4	40.9
80°	48.1	50.4	52.5	54.5	56.3	57.9	59.4	60.7	61.9	62.9	63.7
77.5°	70.3	77.8	84.8	91.3	97.2	102.7	107.6	111.9	115.7	118.9	121.6
75°	119.9	131.4	147.8	162.9	176.9	189.6	201.1	211.2	220.1	227.7	233.8
72.5°	209.8	230.3	252.1	280.5	306.7	330.5	352.1	371.2	387.8	402.0	413.6
70°	341.2	378.7	413.9	452.5	497.3	538.1	575.0	607.7	636.3	660.6	680.5
67.5°	521.1	584.3	643.5	698.5	758.6	818.1	871.8	919.5	961.1	996.5	1025.6
65°	753.0	843.6	928.6	1007.7	1081.5	1164.7	1239.8	1306.6	1364.9	1414.6	1455.4
62.5°	1037.9	1153.3	1270.8	1380.3	1481.4	1582.9	1682.8	1771.8	1849.6	1915.8	1970.3
60°	1380.3	1518.0	1670.6	1814.9	1948.3	2071.0	2203.7	2322.0	2425.4	2513.5	2586.0
57.5°	1768.4	1948.3	2127.6	2317.5	2493.2	2654.3	2810.7	2957.1	3085.2	3194.4	3284.4
55°	2203.7	2438.7	2660.0	2885.8	3101.7	3299.8	3477.2	3627.9	3759.7	3872.3	3965.2
52.5°	2693.2	2976.4	3246.3	3495.8	3716.2	3918.7	4102.5	4210.7	4295.0	4367.0	4426.4
50°	3233.3	3535.9	3809.6	4066.3	4233.1	4361.6	4478.3	4643.9	4848.4	5023.4	5168.0
47.5°	3748.0	4059.2	4261.6	4423.4	4624.6	4934.4	5216.4	5522.4	6032.3	6469.2	6830.4
45°	4195.4	4390.3	4626.6	5014.5	5376.4	6076.5	6776.0	7404.2	9020.8	10556.0	11827.2
42.5°	4477.4	4872.7	5313.6	6119.5	7011.9	8634.2	11076.2	13273.8	15366.4	17268.1	18845.4
40°	5022.3	5630.4	6710.0	8288.3	11384.2	14276.0	17279.5	19989.0	22462.0	24757.4	26664.6
37.5°	5865.3	7069.3	9867.2	13393.5	17073.5	20593.7	24067.1	27321.2	30220.0	33114.3	35524.4
35°	7189.9	10665.5	14687.9	18976.8	23170.1	27369.5	31421.4	35502.4	39132.3	42408.6	45180.5
32.5°	10665.5	15157.3	19940.4	24818.8	29622.2	34768.4	39605.5	44241.1	48394.6	52533.3	56463.9
30°	14687.9	19940.4	25373.3	30868.1	36817.2	42553.9	48045.4	53917.5	59772.6	65376.1	71425.0
27.5°	18976.8	24818.8	30868.1	37507.2	44061.1	50423.6	58094.9	65749.8	74696.9	82544.8	88956.8
25°	23170.1	29622.2	36817.2	44061.1	51448.0	60224.2	70416.2	81141.5	90590.1	98886.2	105844.3
22.5°	27369.5	34768.4	42553.9	50423.6	60224.2	71993.9	84377.4	95579.2	105716.8	114643.9	122723.0
20°	31421.4	39605.5	48045.4	58094.9	70416.2	84377.4	97271.3	109212.2	120313.8	131355.9	141339.7
17.5°	35502.4	44241.1	53917.5	65749.8	81141.5	95579.2	109212.2	122424.4	135831.6	150121.4	163272.7
15°	39132.3	48394.6	59772.6	74696.9	90590.1	105716.8	120313.8	135831.6	153133.5	170380.2	186791.8
12.5°	42408.6	52533.3	65376.1	82544.8	98886.2	114643.9	131355.9	150121.4	170380.2	190777.8	206622.3
10°	45180.5	56463.9	71425.0	88956.8	105844.3	122723.0	141339.7	163272.7	186791.8	206622.3	222322.9
7.5°	47373.0	59581.6	76239.0	94080.5	111406.4	129683.5	150977.5	175296.5	199269.2	219070.1	230445.4
5°	48959.5	61842.6	79739.8	97819.4	115483.3	134815.0	158137.8	184391.6	208186.9	226018.4	236652.6
2.5°	49919.9	63213.4	81866.4	100096.2	117973.8	137963.2	162556.2	190050.0	213801.8	229394.2	240134.8
0°	50241.5	63672.7	82579.7	100860.9	118811.7	139024.7	164050.7	191972.5	215722.6	230355.0	241275.2
-2.5°	49919.9	63213.4	81866.4	100096.2	117973.8	137963.2	162556.2	190050.0	213801.8	229394.2	240134.8
-5°	48959.5	61842.6	79739.8	97819.4	115483.3	134815.0	158137.8	184391.6	208186.9	226018.4	236652.6
-7.5°	47373.0	59581.6	76239.0	94080.5	111406.4	129683.5	150977.5	175296.5	199269.2	219070.1	230445.4
-10°	45180.5	56463.9	71425.0	88956.8	105844.3	122723.0	141339.7	163272.7	186791.8	206622.3	222322.9
-12.5°	42408.6	52533.3	65376.1	82544.8	98886.2	114643.9	131355.9	150121.4	170380.2	190777.8	206622.3
-15°	39132.3	48394.6	59772.6	74696.9	90590.1	105716.8	120313.8	135831.6	153133.5	170380.2	186791.8
-17.5°	35502.4	44241.1	53917.5	65749.8	81141.5	95579.2	109212.2	122424.4	135831.6	150121.4	163272.7
-20°	31421.4	39605.5	48045.4	58094.9	70416.2	84377.4	97271.3	109212.2	120313.8	131355.9	141339.7



REPORT NUMBER: P700010 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-5S-S

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	27369.5	34768.4	42553.9	50423.6	60224.2	71993.9	84377.4	95579.2	105716.8	114643.9	122723.0
-25°	23170.1	29622.2	36817.2	44061.1	51448.0	60224.2	70416.2	81141.5	90590.1	98886.2	105844.3
-27.5°	18976.8	24818.8	30868.1	37507.2	44061.1	50423.6	58094.9	65749.8	74696.9	82544.8	88956.8
-30°	14687.9	19940.4	25373.3	30868.1	36817.2	42553.9	48045.4	53917.5	59772.6	65376.1	71425.0
-32.5°	10665.5	15157.3	19940.4	24818.8	29622.2	34768.4	39605.5	44241.1	48394.6	52533.3	56463.9
-35°	7189.9	10665.5	14687.9	18976.8	23170.1	27369.5	31421.4	35502.4	39132.3	42408.6	45180.5
-37.5°	5865.3	7069.3	9867.2	13393.5	17073.5	20593.7	24067.1	27321.2	30220.0	33114.3	35524.4
-40°	5022.3	5630.4	6710.0	8288.3	11384.2	14276.0	17279.5	19989.0	22462.0	24757.4	26664.6
-42.5°	4477.4	4872.7	5313.6	6119.5	7011.9	8634.2	11076.2	13273.8	15366.4	17268.1	18845.4
-45°	4195.4	4390.3	4626.6	5014.5	5376.4	6076.5	6776.0	7404.2	9020.8	10556.0	11827.2
-47.5°	3748.0	4059.2	4261.6	4423.4	4624.6	4934.4	5216.4	5522.4	6032.3	6469.2	6830.4
-50°	3233.3	3535.9	3809.6	4066.3	4233.1	4361.6	4478.3	4643.9	4848.4	5023.4	5168.0
-52.5°	2693.2	2976.4	3246.3	3495.8	3716.2	3918.7	4102.5	4210.7	4295.0	4367.0	4426.4
-55°	2203.7	2438.7	2660.0	2885.8	3101.7	3299.8	3477.2	3627.9	3759.7	3872.3	3965.2
-57.5°	1768.4	1948.3	2127.6	2317.5	2493.2	2654.3	2810.7	2957.1	3085.2	3194.4	3284.4
-60°	1380.3	1518.0	1670.6	1814.9	1948.3	2071.0	2203.7	2322.0	2425.4	2513.5	2586.0
-62.5°	1037.9	1153.3	1270.8	1380.3	1481.4	1582.9	1682.8	1771.8	1849.6	1915.8	1970.3
-65°	753.0	843.6	928.6	1007.7	1081.5	1164.7	1239.8	1306.6	1364.9	1414.6	1455.4
-67.5°	521.1	584.3	643.5	698.5	758.6	818.1	871.8	919.5	961.1	996.5	1025.6
-70°	341.2	378.7	413.9	452.5	497.3	538.1	575.0	607.7	636.3	660.6	680.5
-72.5°	209.8	230.3	252.1	280.5	306.7	330.5	352.1	371.2	387.8	402.0	413.6
-75°	119.9	131.4	147.8	162.9	176.9	189.6	201.1	211.2	220.1	227.7	233.8
-77.5°	70.3	77.8	84.8	91.3	97.2	102.7	107.6	111.9	115.7	118.9	121.6
-80°	48.1	50.4	52.5	54.5	56.3	57.9	59.4	60.7	61.9	62.9	63.7
-82.5°	31.2	32.6	33.9	35.2	36.3	37.3	38.3	39.1	39.8	40.4	40.9
-85°	16.7	17.4	18.1	18.8	19.4	19.9	20.4	20.9	21.2	21.6	21.8
-87.5°	5.6	5.7	5.9	6.0	6.2	6.3	6.4	6.5	6.6	6.6	6.7
-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: P700010 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-5S-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°	6.7	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.6	6.5
85°	22.0	22.2	22.3	22.3	22.3	22.2	22.0	21.8	21.6	21.2	20.9
82.5°	41.3	41.6	41.7	41.8	41.7	41.6	41.3	40.9	40.4	39.8	39.1
80°	64.3	64.7	65.0	65.1	65.0	64.7	64.3	63.7	62.9	61.9	60.7
77.5°	123.6	125.1	126.0	126.3	126.0	125.1	123.6	121.6	118.9	115.7	111.9
75°	238.7	242.1	244.2	244.9	244.2	242.1	238.7	233.8	227.7	220.1	211.2
72.5°	422.7	429.2	433.1	434.4	433.1	429.2	422.7	413.6	402.0	387.8	371.2
70°	696.1	707.3	714.0	716.2	714.0	707.3	696.1	680.5	660.6	636.3	607.7
67.5°	1048.4	1064.6	1074.4	1077.7	1074.4	1064.6	1048.4	1025.6	996.5	961.1	919.5
65°	1487.3	1510.2	1523.9	1528.5	1523.9	1510.2	1487.3	1455.4	1414.6	1364.9	1306.6
62.5°	2012.8	2043.3	2061.7	2067.8	2061.7	2043.3	2012.8	1970.3	1915.8	1849.6	1771.8
60°	2642.7	2683.4	2707.8	2716.0	2707.8	2683.4	2642.7	2586.0	2513.5	2425.4	2322.0
57.5°	3354.8	3405.3	3435.7	3445.8	3435.7	3405.3	3354.8	3284.4	3194.4	3085.2	2957.1
55°	4037.8	4089.9	4121.3	4131.8	4121.3	4089.9	4037.8	3965.2	3872.3	3759.7	3627.9
52.5°	4472.9	4506.3	4526.4	4533.1	4526.4	4506.3	4472.9	4426.4	4367.0	4295.0	4210.7
50°	5281.3	5362.7	5411.7	5428.1	5411.7	5362.7	5281.3	5168.0	5023.4	4848.4	4643.9
47.5°	7113.8	7317.6	7440.4	7481.4	7440.4	7317.6	7113.8	6830.4	6469.2	6032.3	5522.4
45°	12825.6	13544.1	13977.4	14122.2	13977.4	13544.1	12825.6	11827.2	10556.0	9020.8	7404.2
42.5°	20085.8	20979.3	21518.5	21698.8	21518.5	20979.3	20085.8	18845.4	17268.1	15366.4	13273.8
40°	28166.9	29250.4	29904.8	30123.7	29904.8	29250.4	28166.9	26664.6	24757.4	22462.0	19989.0
37.5°	37426.5	38800.4	39631.1	39909.0	39631.1	38800.4	37426.5	35524.4	33114.3	30220.0	27321.2
35°	47373.0	48959.5	49919.9	50241.5	49919.9	48959.5	47373.0	45180.5	42408.6	39132.3	35502.4
32.5°	59581.6	61842.6	63213.4	63672.7	63213.4	61842.6	59581.6	56463.9	52533.3	48394.6	44241.1
30°	76239.0	79739.8	81866.4	82579.7	81866.4	79739.8	76239.0	71425.0	65376.1	59772.6	53917.5
27.5°	94080.5	97819.4	100096.2	100860.9	100096.2	97819.4	94080.5	88956.8	82544.8	74696.9	65749.8
25°	111406.4	115483.3	117973.8	118811.7	117973.8	115483.3	111406.4	105844.3	98886.2	90590.1	81141.5
22.5°	129683.5	134815.0	137963.2	139024.7	137963.2	134815.0	129683.5	122723.0	114643.9	105716.8	95579.2
20°	150977.5	158137.8	162556.2	164050.7	162556.2	158137.8	150977.5	141339.7	131355.9	120313.8	109212.2
17.5°	175296.5	184391.6	190050.0	191972.5	190050.0	184391.6	175296.5	163272.7	150121.4	135831.6	122424.4
15°	199269.2	208186.9	213801.8	215722.6	213801.8	208186.9	199269.2	186791.8	170380.2	153133.5	135831.6
12.5°	219070.1	226018.4	229394.2	230355.0	229394.2	226018.4	219070.1	206622.3	190777.8	170380.2	150121.4
10°	230445.4	236652.6	240134.8	241275.2	240134.8	236652.6	230445.4	222322.9	206622.3	186791.8	163272.7
7.5°	239061.5	243716.2	246703.4	247731.0	246703.4	243716.2	239061.5	230445.4	219070.1	199269.2	175296.5
5°	243716.2	248834.8	252005.4	253173.1	252005.4	248834.8	243716.2	236652.6	226018.4	208186.9	184391.6
2.5°	246703.4	252005.4	254390.9	254784.3	254390.9	252005.4	246703.4	240134.8	229394.2	213801.8	190050.0
0°	247731.0	253173.1	254784.3	255088.4	254784.3	253173.1	247731.0	241275.2	230355.0	215722.6	191972.5
-2.5°	246703.4	252005.4	254390.9	254784.3	254390.9	252005.4	246703.4	240134.8	229394.2	213801.8	190050.0
-5°	243716.2	248834.8	252005.4	253173.1	252005.4	248834.8	243716.2	236652.6	226018.4	208186.9	184391.6
-7.5°	239061.5	243716.2	246703.4	247731.0	246703.4	243716.2	239061.5	230445.4	219070.1	199269.2	175296.5
-10°	230445.4	236652.6	240134.8	241275.2	240134.8	236652.6	230445.4	222322.9	206622.3	186791.8	163272.7
-12.5°	219070.1	226018.4	229394.2	230355.0	229394.2	226018.4	219070.1	206622.3	190777.8	170380.2	150121.4
-15°	199269.2	208186.9	213801.8	215722.6	213801.8	208186.9	199269.2	186791.8	170380.2	153133.5	135831.6
-17.5°	175296.5	184391.6	190050.0	191972.5	190050.0	184391.6	175296.5	163272.7	150121.4	135831.6	122424.4
-20°	150977.5	158137.8	162556.2	164050.7	162556.2	158137.8	150977.5	141339.7	131355.9	120313.8	109212.2



REPORT NUMBER: P700010 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-5S-S

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	129683.5	134815.0	137963.2	139024.7	137963.2	134815.0	129683.5	122723.0	114643.9	105716.8	95579.2
-25°	111406.4	115483.3	117973.8	118811.7	117973.8	115483.3	111406.4	105844.3	98886.2	90590.1	81141.5
-27.5°	94080.5	97819.4	100096.2	100860.9	100096.2	97819.4	94080.5	88956.8	82544.8	74696.9	65749.8
-30°	76239.0	79739.8	81866.4	82579.7	81866.4	79739.8	76239.0	71425.0	65376.1	59772.6	53917.5
-32.5°	59581.6	61842.6	63213.4	63672.7	63213.4	61842.6	59581.6	56463.9	52533.3	48394.6	44241.1
-35°	47373.0	48959.5	49919.9	50241.5	49919.9	48959.5	47373.0	45180.5	42408.6	39132.3	35502.4
-37.5°	37426.5	38800.4	39631.1	39909.0	39631.1	38800.4	37426.5	35524.4	33114.3	30220.0	27321.2
-40°	28166.9	29250.4	29904.8	30123.7	29904.8	29250.4	28166.9	26664.6	24757.4	22462.0	19989.0
-42.5°	20085.8	20979.3	21518.5	21698.8	21518.5	20979.3	20085.8	18845.4	17268.1	15366.4	13273.8
-45°	12825.6	13544.1	13977.4	14122.2	13977.4	13544.1	12825.6	11827.2	10556.0	9020.8	7404.2
-47.5°	7113.8	7317.6	7440.4	7481.4	7440.4	7317.6	7113.8	6830.4	6469.2	6032.3	5522.4
-50°	5281.3	5362.7	5411.7	5428.1	5411.7	5362.7	5281.3	5168.0	5023.4	4848.4	4643.9
-52.5°	4472.9	4506.3	4526.4	4533.1	4526.4	4506.3	4472.9	4426.4	4367.0	4295.0	4210.7
-55°	4037.8	4089.9	4121.3	4131.8	4121.3	4089.9	4037.8	3965.2	3872.3	3759.7	3627.9
-57.5°	3354.8	3405.3	3435.7	3445.8	3435.7	3405.3	3354.8	3284.4	3194.4	3085.2	2957.1
-60°	2642.7	2683.4	2707.8	2716.0	2707.8	2683.4	2642.7	2586.0	2513.5	2425.4	2322.0
-62.5°	2012.8	2043.3	2061.7	2067.8	2061.7	2043.3	2012.8	1970.3	1915.8	1849.6	1771.8
-65°	1487.3	1510.2	1523.9	1528.5	1523.9	1510.2	1487.3	1455.4	1414.6	1364.9	1306.6
-67.5°	1048.4	1064.6	1074.4	1077.7	1074.4	1064.6	1048.4	1025.6	996.5	961.1	919.5
-70°	696.1	707.3	714.0	716.2	714.0	707.3	696.1	680.5	660.6	636.3	607.7
-72.5°	422.7	429.2	433.1	434.4	433.1	429.2	422.7	413.6	402.0	387.8	371.2
-75°	238.7	242.1	244.2	244.9	244.2	242.1	238.7	233.8	227.7	220.1	211.2
-77.5°	123.6	125.1	126.0	126.3	126.0	125.1	123.6	121.6	118.9	115.7	111.9
-80°	64.3	64.7	65.0	65.1	65.0	64.7	64.3	63.7	62.9	61.9	60.7
-82.5°	41.3	41.6	41.7	41.8	41.7	41.6	41.3	40.9	40.4	39.8	39.1
-85°	22.0	22.2	22.3	22.3	22.3	22.2	22.0	21.8	21.6	21.2	20.9
-87.5°	6.7	6.8	6.8	6.8	6.8	6.8	6.7	6.7	6.6	6.6	6.5
-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):**

	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°	6.4	6.3	6.2	6.0	5.9	5.7	5.6	5.4	5.2	5.0	4.8
85°	20.4	19.9	19.4	18.8	18.1	17.4	16.7	15.9	15.0	14.1	13.2
82.5°	38.3	37.3	36.3	35.2	33.9	32.6	31.2	29.7	28.1	26.4	24.6
80°	59.4	57.9	56.3	54.5	52.5	50.4	48.1	45.7	43.1	40.7	38.3
77.5°	107.6	102.7	97.2	91.3	84.8	77.8	70.3	64.1	60.8	57.5	53.9
75°	201.1	189.6	176.9	162.9	147.8	131.4	119.9	110.4	100.2	89.6	78.4
72.5°	352.1	330.5	306.7	280.5	252.1	230.3	209.8	188.1	165.1	141.0	120.8
70°	575.0	538.1	497.3	452.5	413.9	378.7	341.2	301.3	259.2	226.2	197.2
67.5°	871.8	818.1	758.6	698.5	643.5	584.3	521.1	454.0	400.0	350.1	297.9
65°	1239.8	1164.7	1081.5	1007.7	928.6	843.6	753.0	670.0	591.0	508.2	425.9
62.5°	1682.8	1582.9	1481.4	1380.3	1270.8	1153.3	1037.9	931.6	819.6	705.3	609.9
60°	2203.7	2071.0	1948.3	1814.9	1670.6	1518.0	1380.3	1234.7	1081.5	952.1	818.1
57.5°	2810.7	2654.3	2493.2	2317.5	2127.6	1948.3	1768.4	1578.3	1403.2	1228.6	1053.0
55°	3477.2	3299.8	3101.7	2885.8	2660.0	2438.7	2203.7	1974.6	1758.2	1532.1	1335.1
52.5°	4102.5	3918.7	3716.2	3495.8	3246.3	2976.4	2693.2	2425.4	2144.8	1888.4	1635.7
50°	4478.3	4361.6	4233.1	4066.3	3809.6	3535.9	3233.3	2909.0	2586.0	2272.3	1967.3
47.5°	5216.4	4934.4	4624.6	4423.4	4261.6	4059.2	3748.0	3419.7	3056.6	2683.4	2336.5
45°	6776.0	6076.5	5376.4	5014.5	4626.6	4390.3	4195.4	3891.4	3527.5	3131.0	2716.0
42.5°	11076.2	8634.2	7011.9	6119.5	5313.6	4872.7	4477.4	4259.8	3963.7	3563.1	3131.0
40°	17279.5	14276.0	11384.2	8288.3	6710.0	5630.4	5022.3	4521.3	4281.4	3963.7	3527.5
37.5°	24067.1	20593.7	17073.5	13393.5	9867.2	7069.3	5865.3	5072.5	4521.3	4259.8	3891.4
35°	31421.4	27369.5	23170.1	18976.8	14687.9	10665.5	7189.9	5865.3	5022.3	4477.4	4195.4
32.5°	39605.5	34768.4	29622.2	24818.8	19940.4	15157.3	10665.5	7069.3	5630.4	4872.7	4390.3
30°	48045.4	42553.9	36817.2	30868.1	25373.3	19940.4	14687.9	9867.2	6710.0	5313.6	4626.6
27.5°	58094.9	50423.6	44061.1	37507.2	30868.1	24818.8	18976.8	13393.5	8288.3	6119.5	5014.5
25°	70416.2	60224.2	51448.0	44061.1	36817.2	29622.2	23170.1	17073.5	11384.2	7011.9	5376.4
22.5°	84377.4	71993.9	60224.2	50423.6	42553.9	34768.4	27369.5	20593.7	14276.0	8634.2	6076.5
20°	97271.3	84377.4	70416.2	58094.9	48045.4	39605.5	31421.4	24067.1	17279.5	11076.2	6776.0
17.5°	109212.2	95579.2	81141.5	65749.8	53917.5	44241.1	35502.4	27321.2	19989.0	13273.8	7404.2
15°	120313.8	105716.8	90590.1	74696.9	59772.6	48394.6	39132.3	30220.0	22462.0	15366.4	9020.8
12.5°	131355.9	114643.9	98886.2	82544.8	65376.1	52533.3	42408.6	33114.3	24757.4	17268.1	10556.0
10°	141339.7	122723.0	105844.3	88956.8	71425.0	56463.9	45180.5	35524.4	26664.6	18845.4	11827.2
7.5°	150977.5	129683.5	111406.4	94080.5	76239.0	59581.6	47373.0	37426.5	28166.9	20085.8	12825.6
5°	158137.8	134815.0	115483.3	97819.4	79739.8	61842.6	48959.5	38800.4	29250.4	20979.3	13544.1
2.5°	162556.2	137963.2	117973.8	100096.2	81866.4	63213.4	49919.9	39631.1	29904.8	21518.5	13977.4
0°	164050.7	139024.7	118811.7	100860.9	82579.7	63672.7	50241.5	39909.0	30123.7	21698.8	14122.2
-2.5°	162556.2	137963.2	117973.8	100096.2	81866.4	63213.4	49919.9	39631.1	29904.8	21518.5	13977.4
-5°	158137.8	134815.0	115483.3	97819.4	79739.8	61842.6	48959.5	38800.4	29250.4	20979.3	13544.1
-7.5°	150977.5	129683.5	111406.4	94080.5	76239.0	59581.6	47373.0	37426.5	28166.9	20085.8	12825.6
-10°	141339.7	122723.0	105844.3	88956.8	71425.0	56463.9	45180.5	35524.4	26664.6	18845.4	11827.2
-12.5°	131355.9	114643.9	98886.2	82544.8	65376.1	52533.3	42408.6	33114.3	24757.4	17268.1	10556.0
-15°	120313.8	105716.8	90590.1	74696.9	59772.6	48394.6	39132.3	30220.0	22462.0	15366.4	9020.8
-17.5°	109212.2	95579.2	81141.5	65749.8	53917.5	44241.1	35502.4	27321.2	19989.0	13273.8	7404.2
-20°	97271.3	84377.4	70416.2	58094.9	48045.4	39605.5	31421.4	24067.1	17279.5	11076.2	6776.0



REPORT NUMBER: P700010 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-5S-S

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	84377.4	71993.9	60224.2	50423.6	42553.9	34768.4	27369.5	20593.7	14276.0	8634.2	6076.5
-25°	70416.2	60224.2	51448.0	44061.1	36817.2	29622.2	23170.1	17073.5	11384.2	7011.9	5376.4
-27.5°	58094.9	50423.6	44061.1	37507.2	30868.1	24818.8	18976.8	13393.5	8288.3	6119.5	5014.5
-30°	48045.4	42553.9	36817.2	30868.1	25373.3	19940.4	14687.9	9867.2	6710.0	5313.6	4626.6
-32.5°	39605.5	34768.4	29622.2	24818.8	19940.4	15157.3	10665.5	7069.3	5630.4	4872.7	4390.3
-35°	31421.4	27369.5	23170.1	18976.8	14687.9	10665.5	7189.9	5865.3	5022.3	4477.4	4195.4
-37.5°	24067.1	20593.7	17073.5	13393.5	9867.2	7069.3	5865.3	5072.5	4521.3	4259.8	3891.4
-40°	17279.5	14276.0	11384.2	8288.3	6710.0	5630.4	5022.3	4521.3	4281.4	3963.7	3527.5
-42.5°	11076.2	8634.2	7011.9	6119.5	5313.6	4872.7	4477.4	4259.8	3963.7	3563.1	3131.0
-45°	6776.0	6076.5	5376.4	5014.5	4626.6	4390.3	4195.4	3891.4	3527.5	3131.0	2716.0
-47.5°	5216.4	4934.4	4624.6	4423.4	4261.6	4059.2	3748.0	3419.7	3056.6	2683.4	2336.5
-50°	4478.3	4361.6	4233.1	4066.3	3809.6	3535.9	3233.3	2909.0	2586.0	2272.3	1967.3
-52.5°	4102.5	3918.7	3716.2	3495.8	3246.3	2976.4	2693.2	2425.4	2144.8	1888.4	1635.7
-55°	3477.2	3299.8	3101.7	2885.8	2660.0	2438.7	2203.7	1974.6	1758.2	1532.1	1335.1
-57.5°	2810.7	2654.3	2493.2	2317.5	2127.6	1948.3	1768.4	1578.3	1403.2	1228.6	1053.0
-60°	2203.7	2071.0	1948.3	1814.9	1670.6	1518.0	1380.3	1234.7	1081.5	952.1	818.1
-62.5°	1682.8	1582.9	1481.4	1380.3	1270.8	1153.3	1037.9	931.6	819.6	705.3	609.9
-65°	1239.8	1164.7	1081.5	1007.7	928.6	843.6	753.0	670.0	591.0	508.2	425.9
-67.5°	871.8	818.1	758.6	698.5	643.5	584.3	521.1	454.0	400.0	350.1	297.9
-70°	575.0	538.1	497.3	452.5	413.9	378.7	341.2	301.3	259.2	226.2	197.2
-72.5°	352.1	330.5	306.7	280.5	252.1	230.3	209.8	188.1	165.1	141.0	120.8
-75°	201.1	189.6	176.9	162.9	147.8	131.4	119.9	110.4	100.2	89.6	78.4
-77.5°	107.6	102.7	97.2	91.3	84.8	77.8	70.3	64.1	60.8	57.5	53.9
-80°	59.4	57.9	56.3	54.5	52.5	50.4	48.1	45.7	43.1	40.7	38.3
-82.5°	38.3	37.3	36.3	35.2	33.9	32.6	31.2	29.7	28.1	26.4	24.6
-85°	20.4	19.9	19.4	18.8	18.1	17.4	16.7	15.9	15.0	14.1	13.2
-87.5°	6.4	6.3	6.2	6.0	5.9	5.7	5.6	5.4	5.2	5.0	4.8
-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: P700010 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-LS-16-1200R-57-80-5S-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°	4.6	4.4	4.1	3.9	3.7	3.4	3.1	2.9	2.6	2.3	2.0
85°	12.2	11.2	10.2	9.1	7.9	6.8	6.3	5.7	5.2	4.6	4.1
82.5°	22.8	21.1	19.6	17.9	16.2	14.5	12.7	10.9	9.1	7.2	6.1
80°	35.8	33.3	30.6	27.9	25.1	22.2	19.8	17.4	14.9	12.4	9.9
77.5°	50.3	46.4	42.5	38.9	35.4	31.8	28.0	24.2	20.8	17.6	14.4
75°	66.8	61.2	56.4	51.5	46.4	41.3	36.8	32.3	27.6	22.9	19.0
72.5°	107.2	93.1	78.5	64.5	58.6	52.5	46.3	40.2	34.8	29.3	23.8
70°	167.1	135.8	114.5	97.3	79.5	63.7	56.6	49.4	42.0	35.7	29.3
67.5°	244.1	208.8	172.4	134.8	110.8	90.3	69.5	58.6	50.4	42.0	34.8
65°	365.4	302.7	240.6	198.8	155.9	118.9	95.8	72.2	58.6	49.4	40.2
62.5°	510.7	416.7	345.4	272.0	214.8	166.6	121.7	95.8	69.5	56.6	46.3
60°	687.2	575.0	459.3	371.2	289.2	220.1	166.6	118.9	90.3	63.7	52.5
57.5°	901.9	745.7	613.9	485.1	379.8	289.2	214.8	155.9	110.8	79.5	58.6
55°	1131.7	952.6	779.3	626.9	485.1	371.2	272.0	198.8	134.8	97.3	64.5
52.5°	1399.5	1174.3	969.5	779.3	613.9	459.3	345.4	240.6	172.4	114.5	78.5
50°	1687.8	1421.1	1174.3	952.6	745.7	575.0	416.7	302.7	208.8	135.8	93.1
47.5°	1993.7	1687.8	1399.5	1131.7	901.9	687.2	510.7	365.4	244.1	167.1	107.2
45°	2336.5	1967.3	1635.7	1335.1	1053.0	818.1	609.9	425.9	297.9	197.2	120.8
42.5°	2683.4	2272.3	1888.4	1532.1	1228.6	952.1	705.3	508.2	350.1	226.2	141.0
40°	3056.6	2586.0	2144.8	1758.2	1403.2	1081.5	819.6	591.0	400.0	259.2	165.1
37.5°	3419.7	2909.0	2425.4	1974.6	1578.3	1234.7	931.6	670.0	454.0	301.3	188.1
35°	3748.0	3233.3	2693.2	2203.7	1768.4	1380.3	1037.9	753.0	521.1	341.2	209.8
32.5°	4059.2	3535.9	2976.4	2438.7	1948.3	1518.0	1153.3	843.6	584.3	378.7	230.3
30°	4261.6	3809.6	3246.3	2660.0	2127.6	1670.6	1270.8	928.6	643.5	413.9	252.1
27.5°	4423.4	4066.3	3495.8	2885.8	2317.5	1814.9	1380.3	1007.7	698.5	452.5	280.5
25°	4624.6	4233.1	3716.2	3101.7	2493.2	1948.3	1481.4	1081.5	758.6	497.3	306.7
22.5°	4934.4	4361.6	3918.7	3299.8	2654.3	2071.0	1582.9	1164.7	818.1	538.1	330.5
20°	5216.4	4478.3	4102.5	3477.2	2810.7	2203.7	1682.8	1239.8	871.8	575.0	352.1
17.5°	5522.4	4643.9	4210.7	3627.9	2957.1	2322.0	1771.8	1306.6	919.5	607.7	371.2
15°	6032.3	4848.4	4295.0	3759.7	3085.2	2425.4	1849.6	1364.9	961.1	636.3	387.8
12.5°	6469.2	5023.4	4367.0	3872.3	3194.4	2513.5	1915.8	1414.6	996.5	660.6	402.0
10°	6830.4	5168.0	4426.4	3965.2	3284.4	2586.0	1970.3	1455.4	1025.6	680.5	413.6
7.5°	7113.8	5281.3	4472.9	4037.8	3354.8	2642.7	2012.8	1487.3	1048.4	696.1	422.7
5°	7317.6	5362.7	4506.3	4089.9	3405.3	2683.4	2043.3	1510.2	1064.6	707.3	429.2
2.5°	7440.4	5411.7	4526.4	4121.3	3435.7	2707.8	2061.7	1523.9	1074.4	714.0	433.1
0°	<b>7481.4</b>	<b>5428.1</b>	<b>4533.1</b>	<b>4131.8</b>	<b>3445.8</b>	<b>2716.0</b>	<b>2067.8</b>	<b>1528.5</b>	<b>1077.7</b>	<b>716.2</b>	<b>434.4</b>
-2.5°	7440.4	5411.7	4526.4	4121.3	3435.7	2707.8	2061.7	1523.9	1074.4	714.0	433.1
-5°	7317.6	5362.7	4506.3	4089.9	3405.3	2683.4	2043.3	1510.2	1064.6	707.3	429.2
-7.5°	7113.8	5281.3	4472.9	4037.8	3354.8	2642.7	2012.8	1487.3	1048.4	696.1	422.7
-10°	6830.4	5168.0	4426.4	3965.2	3284.4	2586.0	1970.3	1455.4	1025.6	680.5	413.6
-12.5°	6469.2	5023.4	4367.0	3872.3	3194.4	2513.5	1915.8	1414.6	996.5	660.6	402.0
-15°	6032.3	4848.4	4295.0	3759.7	3085.2	2425.4	1849.6	1364.9	961.1	636.3	387.8
-17.5°	5522.4	4643.9	4210.7	3627.9	2957.1	2322.0	1771.8	1306.6	919.5	607.7	371.2
-20°	5216.4	4478.3	4102.5	3477.2	2810.7	2203.7	1682.8	1239.8	871.8	575.0	352.1



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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°	4934.4	4361.6	3918.7	3299.8	2654.3	2071.0	1582.9	1164.7	818.1	538.1	330.5
-25°	4624.6	4233.1	3716.2	3101.7	2493.2	1948.3	1481.4	1081.5	758.6	497.3	306.7
-27.5°	4423.4	4066.3	3495.8	2885.8	2317.5	1814.9	1380.3	1007.7	698.5	452.5	280.5
-30°	4261.6	3809.6	3246.3	2660.0	2127.6	1670.6	1270.8	928.6	643.5	413.9	252.1
-32.5°	4059.2	3535.9	2976.4	2438.7	1948.3	1518.0	1153.3	843.6	584.3	378.7	230.3
-35°	3748.0	3233.3	2693.2	2203.7	1768.4	1380.3	1037.9	753.0	521.1	341.2	209.8
-37.5°	3419.7	2909.0	2425.4	1974.6	1578.3	1234.7	931.6	670.0	454.0	301.3	188.1
-40°	3056.6	2586.0	2144.8	1758.2	1403.2	1081.5	819.6	591.0	400.0	259.2	165.1
-42.5°	2683.4	2272.3	1888.4	1532.1	1228.6	952.1	705.3	508.2	350.1	226.2	141.0
-45°	2336.5	1967.3	1635.7	1335.1	1053.0	818.1	609.9	425.9	297.9	197.2	120.8
-47.5°	1993.7	1687.8	1399.5	1131.7	901.9	687.2	510.7	365.4	244.1	167.1	107.2
-50°	1687.8	1421.1	1174.3	952.6	745.7	575.0	416.7	302.7	208.8	135.8	93.1
-52.5°	1399.5	1174.3	969.5	779.3	613.9	459.3	345.4	240.6	172.4	114.5	78.5
-55°	1131.7	952.6	779.3	626.9	485.1	371.2	272.0	198.8	134.8	97.3	64.5
-57.5°	901.9	745.7	613.9	485.1	379.8	289.2	214.8	155.9	110.8	79.5	58.6
-60°	687.2	575.0	459.3	371.2	289.2	220.1	166.6	118.9	90.3	63.7	52.5
-62.5°	510.7	416.7	345.4	272.0	214.8	166.6	121.7	95.8	69.5	56.6	46.3
-65°	365.4	302.7	240.6	198.8	155.9	118.9	95.8	72.2	58.6	49.4	40.2
-67.5°	244.1	208.8	172.4	134.8	110.8	90.3	69.5	58.6	50.4	42.0	34.8
-70°	167.1	135.8	114.5	97.3	79.5	63.7	56.6	49.4	42.0	35.7	29.3
-72.5°	107.2	93.1	78.5	64.5	58.6	52.5	46.3	40.2	34.8	29.3	23.8
-75°	66.8	61.2	56.4	51.5	46.4	41.3	36.8	32.3	27.6	22.9	19.0
-77.5°	50.3	46.4	42.5	38.9	35.4	31.8	28.0	24.2	20.8	17.6	14.4
-80°	35.8	33.3	30.6	27.9	25.1	22.2	19.8	17.4	14.9	12.4	9.9
-82.5°	22.8	21.1	19.6	17.9	16.2	14.5	12.7	10.9	9.1	7.2	6.1
-85°	12.2	11.2	10.2	9.1	7.9	6.8	6.3	5.7	5.2	4.6	4.1
-87.5°	4.6	4.4	4.1	3.9	3.7	3.4	3.1	2.9	2.6	2.3	2.0
-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°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
85°	3.5	2.9	2.4	1.8	1.2	0.6	0.0
82.5°	5.3	4.4	3.5	2.7	1.8	0.9	0.0
80°	7.3	5.9	4.7	3.5	2.4	1.2	0.0
77.5°	11.2	7.9	5.9	4.4	2.9	1.5	0.0
75°	15.1	11.2	7.3	5.3	3.5	1.8	0.0
72.5°	19.0	14.4	9.9	6.1	4.1	2.0	0.0
70°	22.9	17.6	12.4	7.2	4.6	2.3	0.0
67.5°	27.6	20.8	14.9	9.1	5.2	2.6	0.0
65°	32.3	24.2	17.4	10.9	5.7	2.9	0.0
62.5°	36.8	28.0	19.8	12.7	6.3	3.1	0.0
60°	41.3	31.8	22.2	14.5	6.8	3.4	0.0
57.5°	46.4	35.4	25.1	16.2	7.9	3.7	0.0
55°	51.5	38.9	27.9	17.9	9.1	3.9	0.0
52.5°	56.4	42.5	30.6	19.6	10.2	4.1	0.0
50°	61.2	46.4	33.3	21.1	11.2	4.4	0.0
47.5°	66.8	50.3	35.8	22.8	12.2	4.6	0.0
45°	78.4	53.9	38.3	24.6	13.2	4.8	0.0
42.5°	89.6	57.5	40.7	26.4	14.1	5.0	0.0
40°	100.2	60.8	43.1	28.1	15.0	5.2	0.0
37.5°	110.4	64.1	45.7	29.7	15.9	5.4	0.0
35°	119.9	70.3	48.1	31.2	16.7	5.6	0.0
32.5°	131.4	77.8	50.4	32.6	17.4	5.7	0.0
30°	147.8	84.8	52.5	33.9	18.1	5.9	0.0
27.5°	162.9	91.3	54.5	35.2	18.8	6.0	0.0
25°	176.9	97.2	56.3	36.3	19.4	6.2	0.0
22.5°	189.6	102.7	57.9	37.3	19.9	6.3	0.0
20°	201.1	107.6	59.4	38.3	20.4	6.4	0.0
17.5°	211.2	111.9	60.7	39.1	20.9	6.5	0.0
15°	220.1	115.7	61.9	39.8	21.2	6.6	0.0
12.5°	227.7	118.9	62.9	40.4	21.6	6.6	0.0
10°	233.8	121.6	63.7	40.9	21.8	6.7	0.0
7.5°	238.7	123.6	64.3	41.3	22.0	6.7	0.0
5°	242.1	125.1	64.7	41.6	22.2	6.8	0.0
2.5°	244.2	126.0	65.0	41.7	22.3	6.8	0.0
0°	244.9	126.3	65.1	41.8	22.3	6.8	0.0
-2.5°	244.2	126.0	65.0	41.7	22.3	6.8	0.0
-5°	242.1	125.1	64.7	41.6	22.2	6.8	0.0
-7.5°	238.7	123.6	64.3	41.3	22.0	6.7	0.0
-10°	233.8	121.6	63.7	40.9	21.8	6.7	0.0
-12.5°	227.7	118.9	62.9	40.4	21.6	6.6	0.0
-15°	220.1	115.7	61.9	39.8	21.2	6.6	0.0
-17.5°	211.2	111.9	60.7	39.1	20.9	6.5	0.0
-20°	201.1	107.6	59.4	38.3	20.4	6.4	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	189.6	102.7	57.9	37.3	19.9	6.3	0.0
-25°	176.9	97.2	56.3	36.3	19.4	6.2	0.0
-27.5°	162.9	91.3	54.5	35.2	18.8	6.0	0.0
-30°	147.8	84.8	52.5	33.9	18.1	5.9	0.0
-32.5°	131.4	77.8	50.4	32.6	17.4	5.7	0.0
-35°	119.9	70.3	48.1	31.2	16.7	5.6	0.0
-37.5°	110.4	64.1	45.7	29.7	15.9	5.4	0.0
-40°	100.2	60.8	43.1	28.1	15.0	5.2	0.0
-42.5°	89.6	57.5	40.7	26.4	14.1	5.0	0.0
-45°	78.4	53.9	38.3	24.6	13.2	4.8	0.0
-47.5°	66.8	50.3	35.8	22.8	12.2	4.6	0.0
-50°	61.2	46.4	33.3	21.1	11.2	4.4	0.0
-52.5°	56.4	42.5	30.6	19.6	10.2	4.1	0.0
-55°	51.5	38.9	27.9	17.9	9.1	3.9	0.0
-57.5°	46.4	35.4	25.1	16.2	7.9	3.7	0.0
-60°	41.3	31.8	22.2	14.5	6.8	3.4	0.0
-62.5°	36.8	28.0	19.8	12.7	6.3	3.1	0.0
-65°	32.3	24.2	17.4	10.9	5.7	2.9	0.0
-67.5°	27.6	20.8	14.9	9.1	5.2	2.6	0.0
-70°	22.9	17.6	12.4	7.2	4.6	2.3	0.0
-72.5°	19.0	14.4	9.9	6.1	4.1	2.0	0.0
-75°	15.1	11.2	7.3	5.3	3.5	1.8	0.0
-77.5°	11.2	7.9	5.9	4.4	2.9	1.5	0.0
-80°	7.3	5.9	4.7	3.5	2.4	1.2	0.0
-82.5°	5.3	4.4	3.5	2.7	1.8	0.9	0.0
-85°	3.5	2.9	2.4	1.8	1.2	0.6	0.0
-87.5°	1.8	1.5	1.2	0.9	0.6	0.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)