

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: P1305724 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-57-80-3S-VHE-A**

Issue Date: 2/3/2026

**Test Information**

Test Method: LM-79-08  
Report Number: P1305724 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-3)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHESUS  
Catalog Number: EPH-08-640L-57-80-3S-VHE-A  
Description: EPHESUS LUMASPORT 8 LUMINAIRE  
(8) 5700K, 80 CRI LEDS AND 3S BEAM SHAPE WITH ANODIZED CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

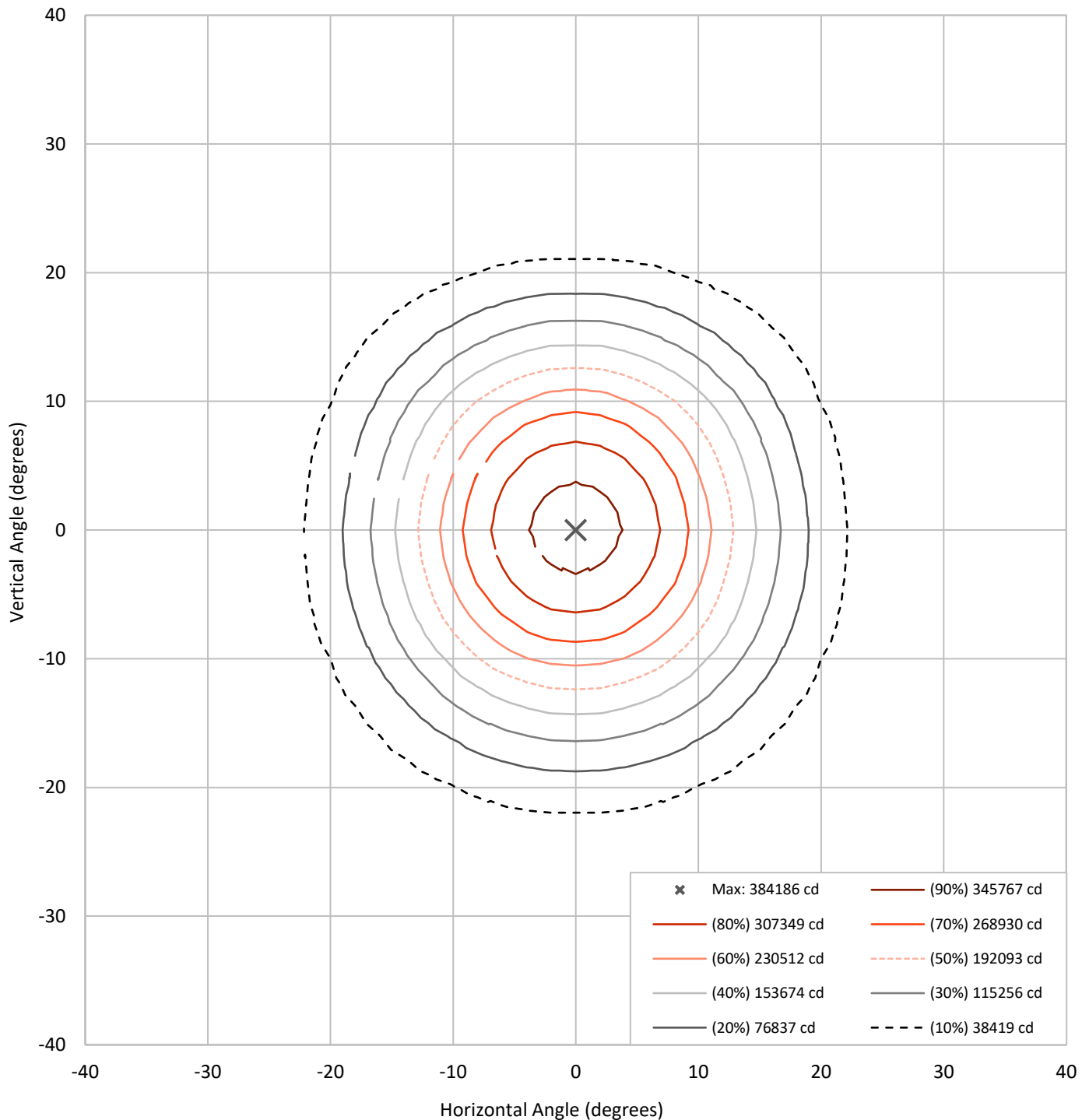
Lumens per Lamp:	N/A	NEMA Type:	3H x 3V
Luminaire Lumens:	86315.2 lumens	Max Intensity:	384186 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	133.2 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		

Beam Angle (50%):	25.7°H x 24.9°V	Field Angle (10%):	44.2°H x 43°V
Beam Lumens:	41298.2 lumens	Field Lumens:	72364.6 lumens
Beam Efficiency:	47.8%	Field Efficiency:	83.8%

Input Watts (W): 648  
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





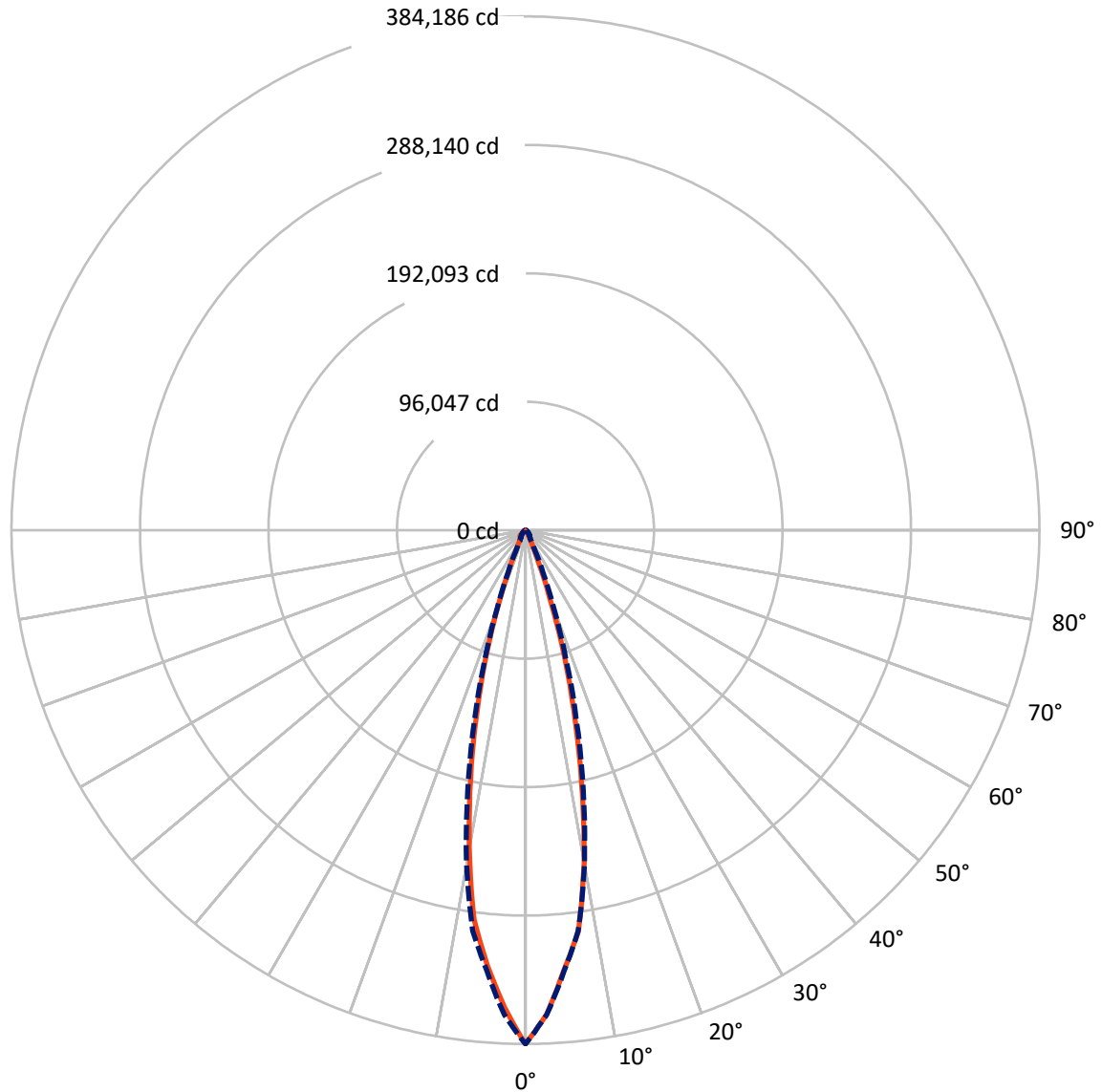
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### Lumen Table

90	0.2	0.7		1.3		2.0		2.4		2.0		1.3		0.7		0.2			
80	0.2	0.7		1.3		2.0		2.4		2.0		1.3		0.7		0.2			
70	0.3	0.1	0.2	0.6	0.8	0.7	0.5	0.5	0.5	0.5	0.7	0.8	0.6	0.2	0.1	0.3			
60		0.4	0.8	1.1	1.0	1.0	1.2	1.5	1.5	1.2	1.0	1.0	1.1	0.8	0.4				
50	0.8	1.2	2.9	6.0	11.2	19.0	27.1	30.7	30.7	27.1	19.0	11.2	6.0	2.9	1.2	0.8			
40		3.0	9.2	18.9	35.6	59.0	71.3	83.7	83.7	71.3	59.0	35.6	18.9	9.2	3.0				
30	2.0	5.0	15.4	33.8	75.7	97.4	210.3	459.9	459.9	210.3	97.4	75.7	33.8	15.4	5.0	2.0			
20		6.6	20.3	54.9	108.6	262.6	1582.0	3824.7	3824.7	1582.0	262.6	108.6	54.9	20.3	6.6				
10	2.9	8.0	23.5	70.0	131.6	583.0	3842.5	8752.0	8752.0	3842.5	583.0	131.6	70.0	23.5	8.0	2.9			
0		8.8	25.8	74.1	145.8	600.8	3865.7	8661.1	8661.1	3865.7	600.8	145.8	74.1	25.8	8.8				
-10	3.2	8.9	26.7	71.5	145.2	322.1	1649.6	3860.4	3860.4	1649.6	322.1	145.2	71.5	26.7	8.9	3.2			
-20		8.2	25.4	56.6	130.7	197.3	341.9	650.3	650.3	341.9	197.3	130.7	56.6	25.4	8.2				
-30	2.7	7.0	21.8	45.2	90.3	157.9	194.8	216.2	216.2	194.8	157.9	90.3	45.2	21.8	7.0	2.7			
-40		5.4	16.6	35.1	57.2	84.3	123.7	154.1	154.1	123.7	84.3	57.2	35.1	16.6	5.4				
-50	2.2	3.6	10.8	22.9	38.5	52.4	63.6	70.6	70.6	63.6	52.4	38.5	22.9	10.8	3.6	2.2			
-60		2.6	5.7	11.8	20.0	27.6	34.8	39.3	39.3	34.8	27.6	20.0	11.8	5.7	2.6				
-70	1.6	9.4		21.9		35.6		43.7		35.6		21.9		9.4		1.6			
-80		9.4		21.9		35.6		43.7		35.6		21.9		9.4					
-90	1.6	9.4		21.9		35.6		43.7		35.6		21.9		9.4		1.6			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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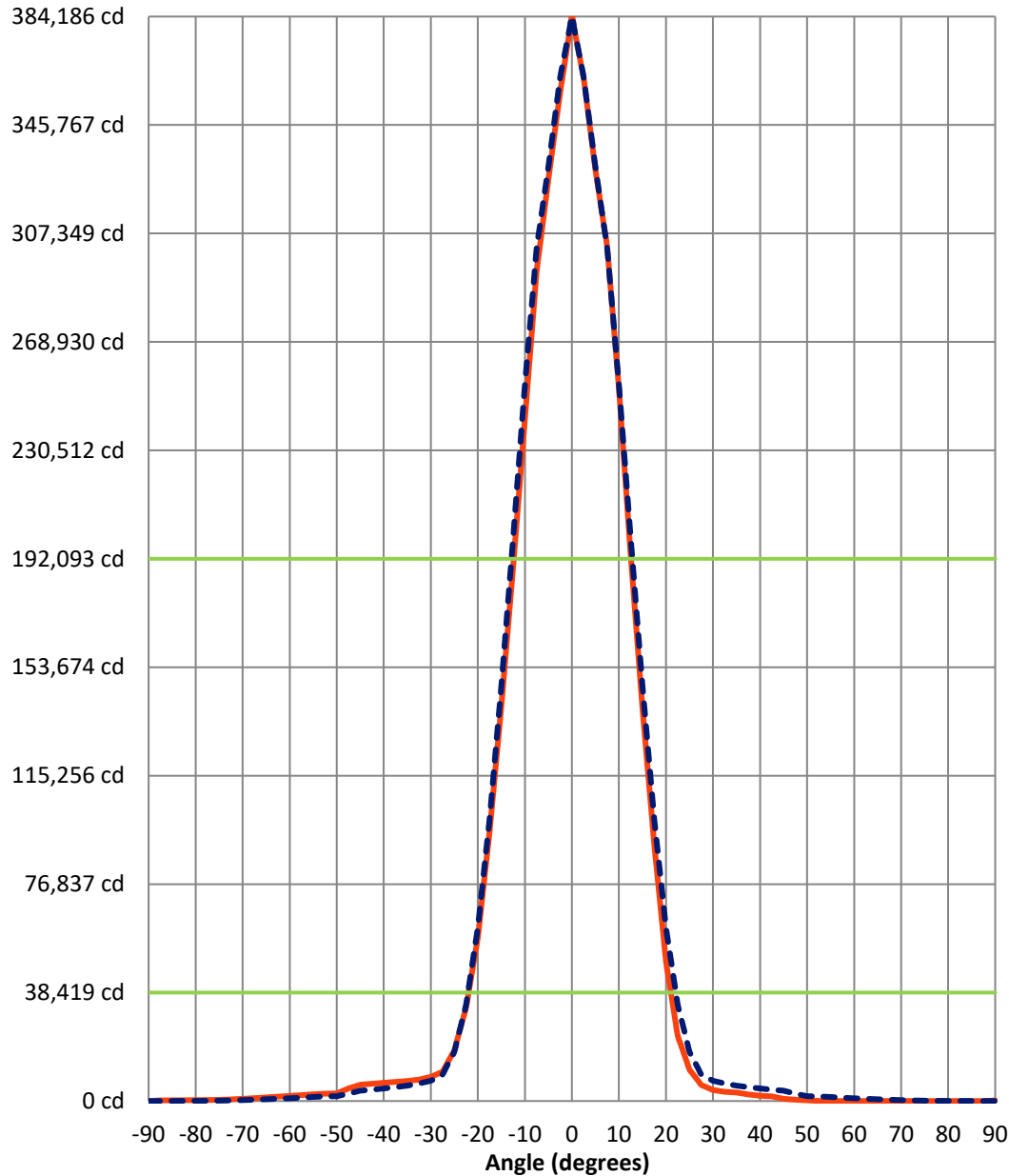
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 25.7°  
V Angle: 24.9°  
Lumens: 41298.2  
Efficiency: 47.8%

**Field:**  
H Angle: 44.2°  
V Angle: 43°  
Lumens: 72364.6  
Efficiency: 83.8%

**Spill:**  
Lumens: 13950.6  
Efficiency: 16.2%

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



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FIELD  
BEAM

**CANDELA DISTRIBUTION:**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	3.1	12.8	22.6	36.5	50.4	62.2	74.1	82.8	91.5	98.7	105.9
87.5°	3.1	3.3	3.3	3.4	3.4	3.4	3.4	3.1	2.8	2.7	2.5
85°	3.1	3.6	3.5	3.6	3.8	3.8	3.6	3.5	3.5	3.3	3.0
82.5°	3.1	3.8	3.6	3.9	4.1	4.1	3.9	4.0	4.1	3.8	3.4
80°	3.1	4.1	3.8	4.1	4.5	4.4	4.2	4.4	4.5	4.2	3.9
77.5°	3.1	4.3	4.0	4.4	4.8	4.9	4.8	4.9	4.9	4.6	4.3
75°	3.1	4.6	4.3	4.6	5.2	5.4	5.4	5.4	5.3	5.2	4.8
72.5°	3.1	4.8	4.5	4.9	5.8	6.0	6.0	6.1	6.2	5.9	5.4
70°	3.1	5.1	4.8	5.2	6.4	6.7	6.7	7.1	7.1	6.7	6.8
67.5°	3.1	5.3	5.0	5.8	7.0	7.3	7.9	8.2	8.1	8.5	8.5
65°	3.1	5.6	5.4	6.4	7.6	8.3	9.3	9.4	10.3	10.5	10.4
62.5°	3.1	5.9	5.7	7.1	8.3	9.7	10.7	11.4	12.6	12.6	12.6
60°	3.1	6.1	6.1	7.7	9.0	11.1	12.1	13.8	15.0	15.3	15.0
57.5°	3.1	6.4	6.8	8.4	10.4	12.6	14.4	16.3	18.3	18.5	20.4
55°	3.1	6.7	7.5	9.0	11.8	14.1	16.8	19.0	22.0	23.2	27.6
52.5°	3.1	7.0	8.2	9.7	13.3	15.7	19.3	22.8	26.0	31.9	35.4
50°	3.1	7.2	9.0	10.4	14.8	18.0	21.8	26.9	31.8	41.4	49.8
47.5°	3.1	7.5	9.7	11.2	16.3	20.4	24.5	31.1	41.4	51.7	67.2
45°	3.1	7.8	10.5	12.4	17.9	22.9	28.3	35.6	51.5	69.4	86.3
42.5°	3.1	8.1	11.3	13.6	19.4	25.5	32.2	42.9	62.0	88.5	115.6
40°	3.1	8.4	12.1	15.1	21.3	28.1	36.5	52.3	75.3	108.8	148.7
37.5°	3.1	8.7	13.0	16.8	23.4	30.9	41.1	62.0	94.0	133.0	184.2
35°	3.1	8.9	13.8	18.5	25.5	34.3	45.9	71.9	113.4	164.2	223.8
32.5°	3.1	9.2	14.6	20.2	27.6	38.1	51.9	82.2	133.4	195.6	263.1
30°	3.1	9.5	15.5	21.9	29.7	41.9	60.4	94.2	154.1	227.0	299.9
27.5°	3.1	9.8	16.3	23.7	32.3	45.7	68.8	109.9	175.1	258.3	334.1
25°	3.1	10.1	17.2	25.3	35.0	49.4	77.1	124.7	196.3	287.7	365.9
22.5°	3.1	10.3	18.0	27.0	37.6	53.2	85.1	138.6	215.7	307.6	400.7
20°	3.1	10.6	18.9	28.7	40.2	57.1	93.0	151.6	233.3	326.1	428.7
17.5°	3.1	10.8	19.7	30.3	42.7	60.8	100.2	163.6	249.1	343.1	455.0
15°	3.1	11.1	20.5	31.9	45.1	64.3	106.9	174.5	263.0	358.6	479.9
12.5°	3.1	11.3	21.3	33.4	47.5	67.7	113.1	184.1	277.1	372.4	503.1
10°	3.1	11.5	22.0	34.9	49.7	70.8	118.8	192.7	291.6	393.0	528.4
7.5°	3.1	11.8	22.7	36.3	51.9	73.8	123.9	200.4	305.0	413.8	560.2
5°	3.1	12.0	23.4	37.6	53.9	76.5	128.5	207.0	317.0	433.3	589.5
2.5°	3.1	12.1	24.1	38.9	55.8	79.0	132.4	212.6	327.5	451.1	616.2
0°	3.1	12.3	24.7	40.1	57.6	81.3	135.8	217.0	336.3	466.9	639.7
-2.5°	3.1	12.8	25.8	41.9	60.2	84.7	140.2	224.4	346.2	477.6	650.7
-5°	3.1	13.3	26.8	43.6	62.6	87.9	143.8	230.5	354.1	486.0	658.1
-7.5°	3.1	13.8	27.8	45.2	64.8	90.8	146.9	235.3	359.9	492.1	662.1
-10°	3.1	14.2	28.8	46.7	66.9	93.4	149.2	238.6	363.5	495.7	662.6
-12.5°	3.1	14.6	29.7	48.0	68.9	95.8	150.7	240.4	364.9	496.8	661.1
-15°	3.1	15.0	30.5	49.3	70.6	97.9	151.6	240.5	362.7	493.7	656.0
-17.5°	3.1	15.4	31.2	50.4	72.2	99.6	151.7	238.4	356.8	487.9	646.3
-20°	3.1	15.8	31.9	51.4	73.6	101.1	151.1	234.3	348.8	479.3	631.9



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 CATALOG NUMBER: EPH-08-640L-57-80-3S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	3.1	16.1	32.5	52.3	74.8	102.2	149.9	228.9	338.7	467.8	612.9
-25°	3.1	16.4	33.1	53.1	75.7	103.3	148.0	221.9	326.5	453.5	593.0
-27.5°	3.1	16.6	33.6	53.7	76.5	104.1	145.2	213.6	312.2	440.6	578.8
-30°	3.1	16.9	34.0	54.2	77.1	104.7	141.7	203.8	300.6	426.3	561.6
-32.5°	3.1	17.1	34.3	54.5	77.9	104.9	137.4	197.5	290.7	409.7	541.1
-35°	3.1	17.2	34.6	54.7	78.4	104.9	135.8	192.0	278.2	390.8	517.2
-37.5°	3.1	17.4	34.7	54.8	78.8	104.8	135.4	185.9	263.1	369.6	492.0
-40°	3.1	17.5	34.8	54.7	79.0	105.0	134.6	178.4	245.4	348.9	463.6
-42.5°	3.1	17.5	34.8	54.6	79.0	104.9	133.4	169.7	232.2	324.2	430.7
-45°	3.1	17.6	34.8	54.5	78.9	104.6	131.8	163.1	220.7	296.6	394.5
-47.5°	3.1	17.6	34.7	54.3	78.6	104.1	129.6	160.5	207.6	267.0	360.8
-50°	3.1	17.5	34.4	54.1	78.0	103.2	128.1	157.3	192.2	249.3	324.4
-52.5°	3.1	17.5	34.1	53.9	77.3	102.2	126.5	153.5	183.7	230.3	286.8
-55°	3.1	17.4	33.8	53.6	76.3	100.7	124.5	149.3	178.0	210.0	262.9
-57.5°	3.1	17.2	33.3	53.1	75.1	98.9	122.2	146.5	171.8	199.8	237.8
-60°	3.1	17.1	32.8	52.4	73.8	96.8	119.5	142.9	165.7	192.2	217.0
-62.5°	3.1	16.9	32.3	51.7	72.6	94.6	116.7	138.9	160.7	183.9	206.6
-65°	3.1	16.6	31.8	50.8	71.3	92.1	113.7	134.6	155.3	176.3	195.6
-67.5°	3.1	16.4	31.1	49.7	69.8	89.6	110.3	130.2	149.5	168.9	186.4
-70°	3.1	16.1	30.4	48.6	68.2	87.1	106.7	125.5	143.9	161.2	177.9
-72.5°	3.1	15.8	29.6	47.4	66.3	84.3	103.0	120.5	137.9	153.6	169.0
-75°	3.1	15.4	28.8	46.2	64.3	81.3	98.9	115.2	131.6	145.8	159.7
-77.5°	3.1	15.1	27.9	44.8	62.3	78.1	94.6	109.5	124.6	137.5	150.0
-80°	3.1	14.7	26.9	43.3	60.2	75.0	90.0	103.6	117.4	129.0	140.3
-82.5°	3.1	14.2	25.9	41.8	57.9	72.0	86.2	98.0	109.9	120.2	130.4
-85°	3.1	13.8	24.9	40.1	55.5	68.9	82.3	93.0	103.9	112.6	121.3
-87.5°	3.1	13.3	23.7	38.3	53.0	65.6	78.3	88.0	97.8	105.7	113.7
-90°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	2.6	2.1	2.1	2.1



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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°	111.6	117.2	122.4	127.5	132.2	136.8	143.0	149.1	153.8	158.4	163.0
87.5°	2.6	2.6	2.6	2.7	2.4	2.1	2.1	2.1	2.0	1.8	1.9
85°	3.0	3.1	3.1	3.1	2.7	2.4	2.5	2.5	2.6	2.6	2.4
82.5°	3.5	3.6	3.4	3.1	3.0	3.0	3.1	3.1	3.1	3.1	2.8
80°	3.9	4.1	3.7	3.4	3.5	3.7	3.5	3.2	3.1	3.2	3.3
77.5°	4.3	4.2	4.0	4.0	4.1	4.3	4.2	4.2	4.2	4.0	4.1
75°	4.6	4.3	4.4	4.3	4.3	4.8	5.1	5.1	4.9	4.8	4.8
72.5°	5.4	5.4	5.2	4.6	4.7	5.1	5.1	5.1	6.4	8.5	10.2
70°	6.7	6.7	6.3	5.9	5.7	6.0	7.7	10.6	13.8	16.7	19.5
67.5°	8.1	8.0	7.5	7.5	8.5	10.3	12.4	19.7	27.2	29.8	30.3
65°	9.6	9.4	9.5	10.7	12.1	17.3	24.0	32.7	39.9	39.4	36.4
62.5°	11.4	12.7	12.8	15.3	20.4	26.6	34.4	41.8	48.3	45.2	37.6
60°	16.3	17.2	19.6	24.3	29.5	35.7	43.7	46.1	47.7	46.5	36.5
57.5°	22.4	25.1	30.0	34.4	40.6	43.4	44.0	43.6	46.4	44.5	34.4
55°	31.4	35.9	42.6	47.0	50.7	45.3	44.7	47.5	47.2	43.2	33.4
52.5°	44.8	49.6	58.8	62.1	59.2	54.9	53.5	56.1	54.0	48.6	42.1
50°	59.4	71.0	77.1	79.7	74.5	73.9	68.6	71.9	74.9	72.2	81.3
47.5°	81.7	95.7	100.1	104.9	102.4	111.8	107.0	124.7	125.9	177.6	193.1
45°	108.6	127.3	132.5	144.9	158.6	175.0	203.4	210.9	296.0	347.8	409.1
42.5°	140.9	164.5	185.8	192.9	253.9	287.1	329.7	408.9	488.0	553.1	598.7
40°	182.6	206.6	251.5	305.0	370.0	426.4	507.8	599.4	674.9	724.8	748.3
37.5°	228.4	275.4	334.2	420.9	499.8	571.5	675.5	767.2	834.1	880.3	886.2
35°	277.6	344.3	440.6	528.4	610.0	707.1	810.3	915.8	970.6	990.5	1075.5
32.5°	335.0	411.5	525.5	620.9	712.8	822.9	932.6	1023.7	1072.1	1128.4	1416.1
30°	389.4	482.0	595.5	696.8	810.7	936.0	1041.0	1126.9	1160.3	1455.9	1921.2
27.5°	432.8	543.2	657.1	779.4	910.1	1053.4	1159.2	1215.0	1406.6	1844.0	2516.7
25°	473.2	592.0	719.3	872.0	1020.7	1162.7	1270.4	1306.1	1704.7	2446.3	2947.7
22.5°	512.7	639.6	787.9	970.0	1122.3	1254.9	1344.9	1560.7	2132.0	3071.2	3331.6
20°	552.2	695.9	862.5	1044.1	1212.0	1335.8	1405.0	1829.4	2650.9	3311.4	3604.2
17.5°	590.3	752.6	931.0	1106.5	1275.8	1401.2	1490.7	2056.0	3061.9	3526.9	3815.2
15°	627.4	801.0	983.8	1165.0	1337.7	1458.5	1701.3	2388.4	3317.3	3787.5	4092.0
12.5°	663.0	842.4	1022.7	1215.8	1397.6	1514.2	1919.7	2791.2	3583.7	4044.3	4373.4
10°	696.6	877.2	1056.6	1262.1	1453.4	1562.6	2124.7	3167.6	3827.4	4227.1	4525.4
7.5°	730.5	908.6	1087.2	1304.0	1505.9	1606.8	2298.1	3373.6	3923.1	4347.7	4632.6
5°	760.3	937.6	1123.4	1355.6	1556.8	1647.4	2444.5	3512.2	3953.4	4408.1	4709.8
2.5°	785.9	961.7	1155.1	1403.7	1602.6	1684.2	2544.3	3617.8	3990.0	4451.0	4805.7
0°	807.4	981.2	1181.7	1445.0	1641.5	1717.6	2610.3	3674.8	4013.2	4469.8	4912.1
-2.5°	823.1	1007.1	1224.2	1480.0	1673.4	1752.5	2631.1	3699.3	4046.9	4573.6	5150.9
-5°	834.7	1027.9	1259.9	1507.9	1699.4	1784.6	2616.2	3676.5	4087.1	4669.4	5302.6
-7.5°	842.0	1042.9	1287.3	1528.7	1721.1	1820.8	2571.6	3650.3	4213.1	4789.6	5379.0
-10°	845.3	1050.6	1291.5	1536.5	1738.4	1857.1	2495.4	3561.7	4304.2	4835.5	5385.3
-12.5°	848.3	1052.2	1286.4	1535.2	1749.2	1890.3	2399.5	3455.3	4388.1	4852.8	5346.3
-15°	845.7	1049.0	1275.0	1525.6	1763.0	1932.2	2276.8	3257.9	4425.5	4834.6	5273.1
-17.5°	837.2	1041.0	1259.4	1513.3	1771.8	1971.2	2116.1	2953.7	4224.3	4778.9	5217.3
-20°	822.6	1026.4	1237.0	1489.7	1767.0	1988.1	2112.0	2731.1	3802.8	4669.2	5134.4



REPORT NUMBER: P1305724 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	803.4	1005.7	1210.2	1458.4	1739.2	1981.2	2141.4	2485.8	3325.1	4508.6	5009.5
-25°	780.8	979.5	1182.7	1424.7	1700.4	1967.9	2157.6	2259.8	2930.3	3964.1	4811.0
-27.5°	754.8	948.3	1151.4	1379.7	1649.7	1928.3	2131.3	2266.1	2609.3	3341.6	4509.6
-30°	724.1	912.3	1110.9	1327.5	1587.6	1853.6	2086.2	2257.9	2358.2	2916.8	3855.8
-32.5°	689.3	870.8	1064.7	1277.4	1517.6	1773.2	2019.2	2204.8	2342.3	2525.1	3240.3
-35°	656.1	828.4	1013.6	1221.1	1442.4	1682.5	1913.3	2132.4	2304.8	2422.6	2713.3
-37.5°	626.7	782.2	960.1	1159.8	1373.0	1578.4	1799.0	2024.8	2222.4	2385.3	2488.2
-40°	593.2	732.4	904.9	1093.7	1283.7	1473.3	1679.3	1894.9	2112.6	2291.5	2448.4
-42.5°	555.6	690.5	844.9	1016.7	1191.3	1370.5	1553.8	1758.0	1963.2	2167.2	2332.7
-45°	513.9	643.7	780.9	935.3	1093.6	1262.7	1436.5	1613.0	1807.1	1999.6	2180.6
-47.5°	467.0	591.6	722.5	848.6	995.5	1150.7	1313.0	1479.4	1645.5	1822.3	1997.2
-50°	418.0	533.7	654.5	770.0	895.6	1036.8	1185.8	1340.7	1497.5	1645.8	1799.6
-52.5°	372.7	470.6	581.2	691.9	802.2	922.2	1056.9	1196.8	1341.9	1486.3	1616.4
-55°	323.7	411.8	503.6	608.1	713.6	817.4	926.8	1053.4	1176.5	1309.4	1437.2
-57.5°	287.1	351.9	432.4	519.3	618.0	718.4	815.2	910.6	1018.0	1129.0	1241.8
-60°	257.9	303.4	364.9	439.0	516.7	609.4	704.5	792.6	873.6	956.3	1058.5
-62.5°	230.9	268.2	311.0	362.6	430.1	499.0	580.9	664.8	743.6	819.3	895.3
-65°	217.8	237.4	269.7	308.1	346.8	405.5	468.2	532.5	604.7	674.1	744.9
-67.5°	204.0	222.5	240.4	261.4	296.2	330.5	364.4	421.0	477.5	528.5	579.9
-70°	193.3	207.9	224.0	239.7	255.4	275.6	306.4	338.1	368.7	402.5	445.6
-72.5°	182.9	195.9	208.9	221.6	235.8	250.3	265.1	280.6	303.0	329.1	352.7
-75°	172.2	183.6	195.0	206.4	218.1	230.2	242.7	256.3	270.3	284.3	296.8
-77.5°	161.4	172.1	181.8	191.3	201.4	212.2	223.2	234.4	245.9	257.5	267.3
-80°	150.3	160.4	168.9	177.3	185.9	194.8	204.3	213.9	223.5	233.2	241.8
-82.5°	138.9	147.5	155.2	162.7	170.2	177.5	185.8	194.1	202.5	210.8	218.1
-85°	128.0	134.5	141.1	147.7	154.2	160.6	168.0	175.4	182.4	189.3	195.5
-87.5°	119.8	125.9	131.4	136.9	142.1	147.3	153.7	160.0	165.5	170.9	176.0
-90°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.6	1.0	1.0



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	167.6	170.7	173.8	176.4	179.0	182.6	186.2	191.3	196.4	202.6	208.8
87.5°	1.9	1.9	2.0	1.5	1.0	1.0	1.0	1.0	1.0	1.5	2.1
85°	2.1	2.1	2.1	2.4	2.7	2.8	2.8	2.9	3.0	3.0	3.1
82.5°	2.6	2.6	2.7	2.9	3.1	3.1	3.1	3.1	3.1	3.5	4.0
80°	3.4	3.5	3.6	3.6	3.7	3.5	3.1	3.1	3.1	3.6	4.1
77.5°	4.2	4.2	4.1	3.9	3.6	3.3	3.1	3.1	3.1	3.2	3.2
75°	5.0	5.1	5.5	5.8	6.3	6.4	5.9	6.0	6.3	6.2	6.0
72.5°	11.3	11.7	11.6	13.0	14.3	14.8	15.1	16.1	17.3	18.9	20.6
70°	22.1	24.3	25.3	25.3	24.3	23.7	23.2	23.1	23.5	24.6	25.9
67.5°	31.8	32.8	32.4	32.0	30.1	27.8	25.2	23.8	24.4	25.6	27.2
65°	36.0	33.2	31.1	30.3	28.6	25.8	21.8	19.1	18.6	18.2	18.0
62.5°	32.3	27.3	24.9	23.5	21.0	18.6	15.0	12.2	11.1	10.4	10.3
60°	28.2	21.9	18.0	16.2	13.5	10.5	8.6	6.6	5.9	5.5	5.6
57.5°	24.5	18.1	13.7	12.8	10.4	8.2	6.6	4.8	4.4	4.1	4.2
55°	25.2	22.0	18.4	16.6	13.8	12.5	11.0	9.9	9.1	9.3	9.9
52.5°	35.7	38.3	33.8	32.6	40.5	40.6	33.5	44.4	51.1	56.1	57.6
50°	92.1	91.5	121.6	116.5	144.2	167.0	167.9	181.7	208.0	226.0	235.7
47.5°	244.6	272.1	307.1	343.9	372.7	408.6	444.9	472.1	478.8	479.5	484.2
45°	460.4	499.6	552.3	591.1	645.5	679.0	706.9	732.2	790.5	844.1	906.6
42.5°	642.9	685.7	740.5	819.1	876.4	1029.5	1263.8	1321.3	1329.6	1377.3	1446.7
40°	787.0	843.2	964.6	1136.8	1503.8	1832.9	1892.2	1941.7	1963.4	1937.0	1984.1
37.5°	961.5	1093.1	1366.5	1837.4	2011.4	2101.0	2164.0	2201.9	2247.9	2290.4	2313.5
35°	1251.1	1617.9	1857.5	2109.0	2222.8	2268.1	2314.5	2361.1	2397.3	2444.3	2481.9
32.5°	1845.6	2253.9	2278.0	2340.1	2399.4	2458.5	2501.6	2546.1	2584.6	2645.6	2773.5
30°	2444.5	2533.5	2555.3	2560.9	2615.0	2685.7	2723.3	2813.0	2934.0	3072.9	3368.4
27.5°	2763.3	2824.5	2837.3	2843.4	2868.6	2952.2	3107.5	3229.9	3520.5	3873.1	4632.5
25°	3151.5	3195.0	3241.2	3239.2	3277.5	3425.8	3729.3	3987.7	4969.4	5888.1	7867.3
22.5°	3521.8	3653.5	3719.2	3807.2	3937.1	4207.0	4739.4	6234.8	8735.1	11925.8	15898.0
20°	3779.2	3956.4	4133.1	4378.6	4692.7	5252.7	6915.8	11390.7	16734.7	24489.1	30993.0
17.5°	4038.8	4239.1	4551.5	4930.2	5457.7	7338.1	12214.0	19812.2	30786.6	44553.1	56631.9
15°	4377.4	4615.0	5033.3	5573.9	7048.1	11062.0	19195.8	33021.4	49704.6	69056.5	89356.4
12.5°	4607.9	4935.4	5432.7	6130.9	8550.6	16068.2	29164.3	48117.7	71079.5	95463.3	127821.8
10°	4778.3	5169.9	5845.3	7292.9	11680.5	21594.0	37331.4	60984.9	92464.7	129627.5	166622.9
7.5°	4921.4	5448.7	6296.7	8120.8	14381.0	26879.4	46939.8	75689.5	112935.5	157714.9	200737.3
5°	5050.0	5749.1	6731.0	9013.1	16800.6	30706.2	53329.6	86671.2	129802.4	178708.9	226208.6
2.5°	5220.0	6030.2	7012.8	9258.7	17769.1	32826.6	58392.6	95538.7	141845.2	193291.5	244971.4
0°	5456.2	6213.1	7185.0	9415.8	17467.9	34155.2	61495.6	99989.0	147122.7	199416.4	253620.0
-2.5°	5641.8	6318.5	7285.4	9289.2	17320.6	33530.4	60095.2	97394.8	141955.9	192486.7	246555.5
-5°	5761.8	6394.1	7329.4	9336.6	16949.0	31142.2	55958.9	90597.9	131434.2	177047.9	227045.3
-7.5°	5832.1	6421.7	7283.7	9038.9	15260.8	27888.9	48596.6	78069.6	114703.1	156911.5	198231.0
-10°	5874.1	6403.8	7188.3	8617.7	12836.5	22664.7	38365.9	63345.0	95085.9	129097.0	162894.8
-12.5°	5889.9	6365.9	7053.9	8014.5	10291.9	17743.7	30540.7	48268.4	71829.9	99729.3	129510.8
-15°	5859.0	6311.0	6923.9	7755.6	9270.8	13301.6	21310.8	33367.7	50929.6	72230.8	93812.0
-17.5°	5744.0	6254.3	6731.4	7370.0	8261.8	10162.7	15037.3	22776.2	33485.9	47565.8	60016.9
-20°	5591.4	6147.2	6555.7	7120.1	7820.4	8690.3	10253.6	14976.7	20981.9	29133.3	37259.7



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**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5455.7	5964.1	6477.8	6865.3	7413.6	7985.5	8691.5	10042.5	13060.1	17129.7	22281.3
-25°	5330.5	5795.9	6323.0	6741.9	7051.3	7455.6	7897.8	8371.1	9396.2	10357.2	12842.5
-27.5°	5154.1	5636.3	6093.4	6540.6	6838.7	7022.1	7323.5	7617.7	8046.9	8428.7	9158.6
-30°	4949.1	5420.7	5855.7	6261.9	6567.4	6760.4	6909.8	7112.1	7339.3	7570.4	7884.0
-32.5°	4218.0	5167.6	5572.4	5939.2	6254.3	6481.2	6639.4	6772.3	6903.4	7051.3	7216.6
-35°	3417.3	4355.1	5268.8	5554.8	5852.5	6152.8	6387.5	6512.8	6626.9	6730.6	6831.7
-37.5°	2778.4	3440.0	4260.1	5039.5	5401.3	5704.6	5986.6	6205.6	6365.6	6462.8	6553.7
-40°	2528.4	2695.9	3326.7	3968.5	4585.7	5146.1	5432.9	5756.7	6019.7	6162.4	6261.4
-42.5°	2468.6	2545.5	2604.4	3011.1	3502.1	3974.5	4497.4	5016.5	5423.8	5695.3	5897.2
-45°	2337.6	2448.4	2536.2	2572.5	2594.7	2939.2	3344.1	3740.5	4197.9	4670.3	5099.3
-47.5°	2152.1	2296.1	2395.3	2472.9	2519.4	2534.0	2562.5	2651.3	2983.5	3332.7	3665.1
-50°	1945.2	2077.2	2196.1	2304.1	2368.3	2420.5	2470.3	2518.1	2558.6	2609.7	2655.8
-52.5°	1736.7	1857.7	1964.7	2059.5	2144.6	2226.8	2305.9	2365.0	2422.7	2484.7	2535.1
-55°	1551.2	1649.3	1738.8	1822.1	1898.9	1968.3	2039.8	2116.2	2195.1	2272.4	2332.4
-57.5°	1352.8	1446.6	1531.4	1601.9	1663.8	1715.6	1781.2	1852.7	1927.0	1995.8	2048.2
-60°	1152.7	1235.6	1313.2	1381.5	1440.2	1488.4	1549.1	1609.7	1675.9	1734.8	1781.3
-62.5°	962.6	1032.5	1098.5	1158.2	1211.5	1260.4	1314.3	1368.4	1430.6	1485.4	1529.9
-65°	804.6	858.8	904.0	946.3	979.3	1021.6	1073.7	1123.6	1177.8	1225.3	1264.9
-67.5°	633.5	683.5	724.8	761.8	790.8	821.2	859.7	899.4	941.5	979.2	1012.4
-70°	484.0	517.7	544.5	572.1	601.9	630.8	661.6	695.6	730.9	762.1	789.4
-72.5°	373.4	390.0	405.7	428.2	448.1	468.2	487.7	512.1	538.3	561.9	583.3
-75°	308.5	318.7	330.7	341.4	350.7	361.4	372.2	388.0	405.1	421.4	436.7
-77.5°	276.8	284.2	290.2	295.2	299.5	306.0	313.0	324.8	337.4	351.1	364.8
-80°	249.9	255.5	260.6	265.0	268.9	274.3	279.8	290.2	301.0	312.6	324.2
-82.5°	225.0	229.5	233.6	237.5	241.3	245.9	250.5	259.6	268.9	278.6	288.2
-85°	201.6	205.5	209.0	212.3	215.4	219.3	223.2	231.0	238.8	247.0	255.1
-87.5°	181.1	184.6	188.1	191.0	193.8	197.3	200.6	207.5	214.3	221.2	228.0
-90°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



REPORT NUMBER: P1305724 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-57-80-3S-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	209.3	209.8	210.3	210.8	210.3	209.8	209.3	208.8	202.6	196.4	191.3
87.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	1.5	1.0	1.0
85°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	3.0	2.9
82.5°	3.6	3.1	3.6	4.1	3.6	3.1	3.6	4.0	3.5	3.1	3.1
80°	3.6	3.1	3.6	4.1	3.6	3.1	3.6	4.1	3.6	3.1	3.1
77.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.1	3.1
75°	5.1	4.1	3.6	3.1	3.6	4.1	5.1	6.0	6.2	6.3	6.0
72.5°	21.1	21.2	21.5	21.6	21.5	21.2	21.1	20.6	18.9	17.3	16.1
70°	26.8	27.5	27.8	27.8	27.8	27.5	26.8	25.9	24.6	23.5	23.1
67.5°	27.4	26.8	26.3	25.7	26.3	26.8	27.4	27.2	25.6	24.4	23.8
65°	17.2	16.0	14.1	12.3	14.1	16.0	17.2	18.0	18.2	18.6	19.1
62.5°	10.0	9.6	9.4	9.3	9.4	9.6	10.0	10.3	10.4	11.1	12.2
60°	5.8	6.2	6.2	6.2	6.2	6.2	5.8	5.6	5.5	5.9	6.6
57.5°	4.5	5.0	5.6	6.2	5.6	5.0	4.5	4.2	4.1	4.4	4.8
55°	10.5	11.6	12.2	12.3	12.2	11.6	10.5	9.9	9.3	9.1	9.9
52.5°	55.6	52.8	50.3	48.3	50.3	52.8	55.6	57.6	56.1	51.1	44.4
50°	240.1	246.3	249.3	248.9	249.3	246.3	240.1	235.7	226.0	208.0	181.7
47.5°	494.5	497.9	495.1	487.5	495.1	497.9	494.5	484.2	479.5	478.8	472.1
45°	983.1	940.4	864.8	798.1	864.8	940.4	983.1	906.6	844.1	790.5	732.2
42.5°	1538.9	1589.8	1628.0	1645.6	1628.0	1589.8	1538.9	1446.7	1377.3	1329.6	1321.3
40°	1931.1	1876.7	1865.6	1873.9	1865.6	1876.7	1931.1	1984.1	1937.0	1963.4	1941.7
37.5°	2319.3	2368.8	2405.5	2346.0	2405.5	2368.8	2319.3	2313.5	2290.4	2247.9	2201.9
35°	2569.4	2745.4	2952.0	3014.5	2952.0	2745.4	2569.4	2481.9	2444.3	2397.3	2361.1
32.5°	2987.6	3173.4	3253.9	3273.7	3253.9	3173.4	2987.6	2773.5	2645.6	2584.6	2546.1
30°	3653.1	3838.7	3872.0	3899.0	3872.0	3838.7	3653.1	3368.4	3072.9	2934.0	2813.0
27.5°	5136.5	5551.7	5650.2	5719.4	5650.2	5551.7	5136.5	4632.5	3873.1	3520.5	3229.9
25°	9429.8	10509.8	11215.2	11146.8	11215.2	10509.8	9429.8	7867.3	5888.1	4969.4	3987.7
22.5°	19878.1	21998.0	23129.2	23109.2	23129.2	21998.0	19878.1	15898.0	11925.8	8735.1	6234.8
20°	40259.0	46531.9	49927.1	49540.4	49927.1	46531.9	40259.0	30993.0	24489.1	16734.7	11390.7
17.5°	70198.8	82314.4	90778.6	91125.4	90778.6	82314.4	70198.8	56631.9	44553.1	30786.6	19812.2
15°	108548.3	126524.8	139215.2	139213.6	139215.2	126524.8	108548.3	89356.4	69056.5	49704.6	33021.4
12.5°	155221.9	176709.7	191229.5	193406.9	191229.5	176709.7	155221.9	127821.8	95463.3	71079.5	48117.7
10°	200016.1	224355.4	246306.1	252349.8	246306.1	224355.4	200016.1	166622.9	129627.5	92464.7	60984.9
7.5°	237930.8	276218.5	296213.4	302510.9	296213.4	276218.5	237930.8	200737.3	157714.9	112935.5	75689.5
5°	275146.5	308287.7	325075.1	329935.1	325075.1	308287.7	275146.5	226208.6	178708.9	129802.4	86671.2
2.5°	294723.2	325143.4	348738.4	362422.1	348738.4	325143.4	294723.2	244971.4	193291.5	141845.2	95538.7
0°	302088.7	330990.3	362633.4	384186.0	362633.4	330990.3	302088.7	253620.0	199416.4	147122.7	99989.0
-2.5°	294721.5	322687.4	346006.3	357359.3	346006.3	322687.4	294721.5	246555.5	192486.7	141955.9	97394.8
-5°	272389.2	305283.3	322261.3	326559.6	322261.3	305283.3	272389.2	227045.3	177047.9	131434.2	90597.9
-7.5°	236721.3	268357.1	289173.2	293861.8	289173.2	268357.1	236721.3	198231.0	156911.5	114703.1	78069.6
-10°	197012.4	224034.8	238078.0	241550.6	238078.0	224034.8	197012.4	162894.8	129097.0	95085.9	63345.0
-12.5°	153083.1	172900.0	187235.2	189180.8	187235.2	172900.0	153083.1	129510.8	99729.3	71829.9	48268.4
-15°	113946.7	127052.7	138609.7	139937.7	138609.7	127052.7	113946.7	93812.0	72230.8	50929.6	33367.7
-17.5°	76338.4	87188.9	93655.4	95521.2	93655.4	87188.9	76338.4	60016.9	47565.8	33485.9	22776.2
-20°	45739.3	53503.7	57813.1	57975.1	57813.1	53503.7	45739.3	37259.7	29133.3	20981.9	14976.7



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	26535.7	30855.9	33136.0	33091.7	33136.0	30855.9	26535.7	22281.3	17129.7	13060.1	10042.5
-25°	15303.6	17195.3	17950.2	17977.0	17950.2	17195.3	15303.6	12842.5	10357.2	9396.2	8371.1
-27.5°	9744.5	10178.7	10352.7	10380.6	10352.7	10178.7	9744.5	9158.6	8428.7	8046.9	7617.7
-30°	8169.9	8424.0	8540.8	8573.5	8540.8	8424.0	8169.9	7884.0	7570.4	7339.3	7112.1
-32.5°	7371.8	7511.8	7606.1	7592.3	7606.1	7511.8	7371.8	7216.6	7051.3	6903.4	6772.3
-35°	6930.5	7017.2	7070.2	7095.6	7070.2	7017.2	6930.5	6831.7	6730.6	6626.9	6512.8
-37.5°	6644.4	6721.9	6772.0	6787.0	6772.0	6721.9	6644.4	6553.7	6462.8	6365.6	6205.6
-40°	6346.6	6411.1	6452.3	6467.2	6452.3	6411.1	6346.6	6261.4	6162.4	6019.7	5756.7
-42.5°	6025.3	6094.5	6127.4	6127.8	6127.4	6094.5	6025.3	5897.2	5695.3	5423.8	5016.5
-45°	5451.2	5664.3	5771.1	5776.0	5771.1	5664.3	5451.2	5099.3	4670.3	4197.9	3740.5
-47.5°	3967.6	4178.2	4347.6	4472.9	4347.6	4178.2	3967.6	3665.1	3332.7	2983.5	2651.3
-50°	2696.1	2710.0	2710.9	2698.8	2710.9	2710.0	2696.1	2655.8	2609.7	2558.6	2518.1
-52.5°	2574.4	2588.8	2599.3	2605.2	2599.3	2588.8	2574.4	2535.1	2484.7	2422.7	2365.0
-55°	2376.8	2394.9	2402.4	2399.5	2402.4	2394.9	2376.8	2332.4	2272.4	2195.1	2116.2
-57.5°	2083.2	2095.2	2100.8	2099.2	2100.8	2095.2	2083.2	2048.2	1995.8	1927.0	1852.7
-60°	1809.8	1818.7	1823.9	1823.5	1823.9	1818.7	1809.8	1781.3	1734.8	1675.9	1609.7
-62.5°	1554.9	1562.9	1568.7	1569.5	1568.7	1562.9	1554.9	1529.9	1485.4	1430.6	1368.4
-65°	1284.8	1290.8	1294.6	1293.8	1294.6	1290.8	1284.8	1264.9	1225.3	1177.8	1123.6
-67.5°	1027.0	1031.3	1034.8	1034.7	1034.8	1031.3	1027.0	1012.4	979.2	941.5	899.4
-70°	798.1	798.5	800.2	799.1	800.2	798.5	798.1	789.4	762.1	730.9	695.6
-72.5°	588.2	587.7	587.4	585.2	587.4	587.7	588.2	583.3	561.9	538.3	512.1
-75°	438.2	436.7	435.2	433.0	435.2	436.7	438.2	436.7	421.4	405.1	388.0
-77.5°	366.4	366.4	364.0	361.0	364.0	366.4	366.4	364.8	351.1	337.4	324.8
-80°	324.9	324.5	323.3	321.9	323.3	324.5	324.9	324.2	312.6	301.0	290.2
-82.5°	289.1	289.6	289.4	289.0	289.4	289.6	289.1	288.2	278.6	268.9	259.6
-85°	256.1	256.9	256.5	256.1	256.5	256.9	256.1	255.1	247.0	238.8	231.0
-87.5°	228.7	229.3	229.4	229.4	229.4	229.3	228.7	228.0	221.2	214.3	207.5
-90°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	186.2	182.6	179.0	176.4	173.8	170.7	167.6	163.0	158.4	153.8	149.1
87.5°	1.0	1.0	1.0	1.5	2.0	1.9	1.9	1.9	1.8	2.0	2.1
85°	2.8	2.8	2.7	2.4	2.1	2.1	2.1	2.4	2.6	2.6	2.5
82.5°	3.1	3.1	3.1	2.9	2.7	2.6	2.6	2.8	3.1	3.1	3.1
80°	3.1	3.5	3.7	3.6	3.6	3.5	3.4	3.3	3.2	3.1	3.2
77.5°	3.1	3.3	3.6	3.9	4.1	4.2	4.2	4.1	4.0	4.2	4.2
75°	5.9	6.4	6.3	5.8	5.5	5.1	5.0	4.8	4.8	4.9	5.1
72.5°	15.1	14.8	14.3	13.0	11.6	11.7	11.3	10.2	8.5	6.4	5.1
70°	23.2	23.7	24.3	25.3	25.3	24.3	22.1	19.5	16.7	13.8	10.6
67.5°	25.2	27.8	30.1	32.0	32.4	32.8	31.8	30.3	29.8	27.2	19.7
65°	21.8	25.8	28.6	30.3	31.1	33.2	36.0	36.4	39.4	39.9	32.7
62.5°	15.0	18.6	21.0	23.5	24.9	27.3	32.3	37.6	45.2	48.3	41.8
60°	8.6	10.5	13.5	16.2	18.0	21.9	28.2	36.5	46.5	47.7	46.1
57.5°	6.6	8.2	10.4	12.8	13.7	18.1	24.5	34.4	44.5	46.4	43.6
55°	11.0	12.5	13.8	16.6	18.4	22.0	25.2	33.4	43.2	47.2	47.5
52.5°	33.5	40.6	40.5	32.6	33.8	38.3	35.7	42.1	48.6	54.0	56.1
50°	167.9	167.0	144.2	116.5	121.6	91.5	92.1	81.3	72.2	74.9	71.9
47.5°	444.9	408.6	372.7	343.9	307.1	272.1	244.6	193.1	177.6	125.9	124.7
45°	706.9	679.0	645.5	591.1	552.3	499.6	460.4	409.1	347.8	296.0	210.9
42.5°	1263.8	1029.5	876.4	819.1	740.5	685.7	642.9	598.7	553.1	488.0	408.9
40°	1892.2	1832.9	1503.8	1136.8	964.6	843.2	787.0	748.3	724.8	674.9	599.4
37.5°	2164.0	2101.0	2011.4	1837.4	1366.5	1093.1	961.5	886.2	880.3	834.1	767.2
35°	2314.5	2268.1	2222.8	2109.0	1857.5	1617.9	1251.1	1075.5	990.5	970.6	915.8
32.5°	2501.6	2458.5	2399.4	2340.1	2278.0	2253.9	1845.6	1416.1	1128.4	1072.1	1023.7
30°	2723.3	2685.7	2615.0	2560.9	2555.3	2533.5	2444.5	1921.2	1455.9	1160.3	1126.9
27.5°	3107.5	2952.2	2868.6	2843.4	2837.3	2824.5	2763.3	2516.7	1844.0	1406.6	1215.0
25°	3729.3	3425.8	3277.5	3239.2	3241.2	3195.0	3151.5	2947.7	2446.3	1704.7	1306.1
22.5°	4739.4	4207.0	3937.1	3807.2	3719.2	3653.5	3521.8	3331.6	3071.2	2132.0	1560.7
20°	6915.8	5252.7	4692.7	4378.6	4133.1	3956.4	3779.2	3604.2	3311.4	2650.9	1829.4
17.5°	12214.0	7338.1	5457.7	4930.2	4551.5	4239.1	4038.8	3815.2	3526.9	3061.9	2056.0
15°	19195.8	11062.0	7048.1	5573.9	5033.3	4615.0	4377.4	4092.0	3787.5	3317.3	2388.4
12.5°	29164.3	16068.2	8550.6	6130.9	5432.7	4935.4	4607.9	4373.4	4044.3	3583.7	2791.2
10°	37331.4	21594.0	11680.5	7292.9	5845.3	5169.9	4778.3	4525.4	4227.1	3827.4	3167.6
7.5°	46939.8	26879.4	14381.0	8120.8	6296.7	5448.7	4921.4	4632.6	4347.7	3923.1	3373.6
5°	53329.6	30706.2	16800.6	9013.1	6731.0	5749.1	5050.0	4709.8	4408.1	3953.4	3512.2
2.5°	58392.6	32826.6	17769.1	9258.7	7012.8	6030.2	5220.0	4805.7	4451.0	3990.0	3617.8
0°	61495.6	34155.2	17467.9	9415.8	7185.0	6213.1	5456.2	4912.1	4469.8	4013.2	3674.8
-2.5°	60095.2	33530.4	17320.6	9289.2	7285.4	6318.5	5641.8	5150.9	4573.6	4046.9	3699.3
-5°	55958.9	31142.2	16949.0	9336.6	7329.4	6394.1	5761.8	5302.6	4669.4	4087.1	3676.5
-7.5°	48596.6	27888.9	15260.8	9038.9	7283.7	6421.7	5832.1	5379.0	4789.6	4213.1	3650.3
-10°	38365.9	22664.7	12836.5	8617.7	7188.3	6403.8	5874.1	5385.3	4835.5	4304.2	3561.7
-12.5°	30540.7	17743.7	10291.9	8014.5	7053.9	6365.9	5889.9	5346.3	4852.8	4388.1	3455.3
-15°	21310.8	13301.6	9270.8	7755.6	6923.9	6311.0	5859.0	5273.1	4834.6	4425.5	3257.9
-17.5°	15037.3	10162.7	8261.8	7370.0	6731.4	6254.3	5744.0	5217.3	4778.9	4224.3	2953.7
-20°	10253.6	8690.3	7820.4	7120.1	6555.7	6147.2	5591.4	5134.4	4669.2	3802.8	2731.1



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	8691.5	7985.5	7413.6	6865.3	6477.8	5964.1	5455.7	5009.5	4508.6	3325.1	2485.8
-25°	7897.8	7455.6	7051.3	6741.9	6323.0	5795.9	5330.5	4811.0	3964.1	2930.3	2259.8
-27.5°	7323.5	7022.1	6838.7	6540.6	6093.4	5636.3	5154.1	4509.6	3341.6	2609.3	2266.1
-30°	6909.8	6760.4	6567.4	6261.9	5855.7	5420.7	4949.1	3855.8	2916.8	2358.2	2257.9
-32.5°	6639.4	6481.2	6254.3	5939.2	5572.4	5167.6	4218.0	3240.3	2525.1	2342.3	2204.8
-35°	6387.5	6152.8	5852.5	5554.8	5268.8	4355.1	3417.3	2713.3	2422.6	2304.8	2132.4
-37.5°	5986.6	5704.6	5401.3	5039.5	4260.1	3440.0	2778.4	2488.2	2385.3	2222.4	2024.8
-40°	5432.9	5146.1	4585.7	3968.5	3326.7	2695.9	2528.4	2448.4	2291.5	2112.6	1894.9
-42.5°	4497.4	3974.5	3502.1	3011.1	2604.4	2545.5	2468.6	2332.7	2167.2	1963.2	1758.0
-45°	3344.1	2939.2	2594.7	2572.5	2536.2	2448.4	2337.6	2180.6	1999.6	1807.1	1613.0
-47.5°	2562.5	2534.0	2519.4	2472.9	2395.3	2296.1	2152.1	1997.2	1822.3	1645.5	1479.4
-50°	2470.3	2420.5	2368.3	2304.1	2196.1	2077.2	1945.2	1799.6	1645.8	1497.5	1340.7
-52.5°	2305.9	2226.8	2144.6	2059.5	1964.7	1857.7	1736.7	1616.4	1486.3	1341.9	1196.8
-55°	2039.8	1968.3	1898.9	1822.1	1738.8	1649.3	1551.2	1437.2	1309.4	1176.5	1053.4
-57.5°	1781.2	1715.6	1663.8	1601.9	1531.4	1446.6	1352.8	1241.8	1129.0	1018.0	910.6
-60°	1549.1	1488.4	1440.2	1381.5	1313.2	1235.6	1152.7	1058.5	956.3	873.6	792.6
-62.5°	1314.3	1260.4	1211.5	1158.2	1098.5	1032.5	962.6	895.3	819.3	743.6	664.8
-65°	1073.7	1021.6	979.3	946.3	904.0	858.8	804.6	744.9	674.1	604.7	532.5
-67.5°	859.7	821.2	790.8	761.8	724.8	683.5	633.5	579.9	528.5	477.5	421.0
-70°	661.6	630.8	601.9	572.1	544.5	517.7	484.0	445.6	402.5	368.7	338.1
-72.5°	487.7	468.2	448.1	428.2	405.7	390.0	373.4	352.7	329.1	303.0	280.6
-75°	372.2	361.4	350.7	341.4	330.7	318.7	308.5	296.8	284.3	270.3	256.3
-77.5°	313.0	306.0	299.5	295.2	290.2	284.2	276.8	267.3	257.5	245.9	234.4
-80°	279.8	274.3	268.9	265.0	260.6	255.5	249.9	241.8	233.2	223.5	213.9
-82.5°	250.5	245.9	241.3	237.5	233.6	229.5	225.0	218.1	210.8	202.5	194.1
-85°	223.2	219.3	215.4	212.3	209.0	205.5	201.6	195.5	189.3	182.4	175.4
-87.5°	200.6	197.3	193.8	191.0	188.1	184.6	181.1	176.0	170.9	165.5	160.0
-90°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.6	2.1



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**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	143.0	136.8	132.2	127.5	122.4	117.2	111.6	105.9	98.7	91.5	82.8
87.5°	2.1	2.1	2.4	2.7	2.6	2.6	2.6	2.5	2.7	2.8	3.1
85°	2.5	2.4	2.7	3.1	3.1	3.1	3.0	3.0	3.3	3.5	3.5
82.5°	3.1	3.0	3.0	3.1	3.4	3.6	3.5	3.4	3.8	4.1	4.0
80°	3.5	3.7	3.5	3.4	3.7	4.1	3.9	3.9	4.2	4.5	4.4
77.5°	4.2	4.3	4.1	4.0	4.0	4.2	4.3	4.3	4.6	4.9	4.9
75°	5.1	4.8	4.3	4.3	4.4	4.3	4.6	4.8	5.2	5.3	5.4
72.5°	5.1	5.1	4.7	4.6	5.2	5.4	5.4	5.4	5.9	6.2	6.1
70°	7.7	6.0	5.7	5.9	6.3	6.7	6.7	6.8	6.7	7.1	7.1
67.5°	12.4	10.3	8.5	7.5	7.5	8.0	8.1	8.5	8.5	8.1	8.2
65°	24.0	17.3	12.1	10.7	9.5	9.4	9.6	10.4	10.5	10.3	9.4
62.5°	34.4	26.6	20.4	15.3	12.8	12.7	11.4	12.6	12.6	12.6	11.4
60°	43.7	35.7	29.5	24.3	19.6	17.2	16.3	15.0	15.3	15.0	13.8
57.5°	44.0	43.4	40.6	34.4	30.0	25.1	22.4	20.4	18.5	18.3	16.3
55°	44.7	45.3	50.7	47.0	42.6	35.9	31.4	27.6	23.2	22.0	19.0
52.5°	53.5	54.9	59.2	62.1	58.8	49.6	44.8	35.4	31.9	26.0	22.8
50°	68.6	73.9	74.5	79.7	77.1	71.0	59.4	49.8	41.4	31.8	26.9
47.5°	107.0	111.8	102.4	104.9	100.1	95.7	81.7	67.2	51.7	41.4	31.1
45°	203.4	175.0	158.6	144.9	132.5	127.3	108.6	86.3	69.4	51.5	35.6
42.5°	329.7	287.1	253.9	192.9	185.8	164.5	140.9	115.6	88.5	62.0	42.9
40°	507.8	426.4	370.0	305.0	251.5	206.6	182.6	148.7	108.8	75.3	52.3
37.5°	675.5	571.5	499.8	420.9	334.2	275.4	228.4	184.2	133.0	94.0	62.0
35°	810.3	707.1	610.0	528.4	440.6	344.3	277.6	223.8	164.2	113.4	71.9
32.5°	932.6	822.9	712.8	620.9	525.5	411.5	335.0	263.1	195.6	133.4	82.2
30°	1041.0	936.0	810.7	696.8	595.5	482.0	389.4	299.9	227.0	154.1	94.2
27.5°	1159.2	1053.4	910.1	779.4	657.1	543.2	432.8	334.1	258.3	175.1	109.9
25°	1270.4	1162.7	1020.7	872.0	719.3	592.0	473.2	365.9	287.7	196.3	124.7
22.5°	1344.9	1254.9	1122.3	970.0	787.9	639.6	512.7	400.7	307.6	215.7	138.6
20°	1405.0	1335.8	1212.0	1044.1	862.5	695.9	552.2	428.7	326.1	233.3	151.6
17.5°	1490.7	1401.2	1275.8	1106.5	931.0	752.6	590.3	455.0	343.1	249.1	163.6
15°	1701.3	1458.5	1337.7	1165.0	983.8	801.0	627.4	479.9	358.6	263.0	174.5
12.5°	1919.7	1514.2	1397.6	1215.8	1022.7	842.4	663.0	503.1	372.4	277.1	184.1
10°	2124.7	1562.6	1453.4	1262.1	1056.6	877.2	696.6	528.4	393.0	291.6	192.7
7.5°	2298.1	1606.8	1505.9	1304.0	1087.2	908.6	730.5	560.2	413.8	305.0	200.4
5°	2444.5	1647.4	1556.8	1355.6	1123.4	937.6	760.3	589.5	433.3	317.0	207.0
2.5°	2544.3	1684.2	1602.6	1403.7	1155.1	961.7	785.9	616.2	451.1	327.5	212.6
0°	2610.3	1717.6	1641.5	1445.0	1181.7	981.2	807.4	639.7	466.9	336.3	217.0
-2.5°	2631.1	1752.5	1673.4	1480.0	1224.2	1007.1	823.1	650.7	477.6	346.2	224.4
-5°	2616.2	1784.6	1699.4	1507.9	1259.9	1027.9	834.7	658.1	486.0	354.1	230.5
-7.5°	2571.6	1820.8	1721.1	1528.7	1287.3	1042.9	842.0	662.1	492.1	359.9	235.3
-10°	2495.4	1857.1	1738.4	1536.5	1291.5	1050.6	845.3	662.6	495.7	363.5	238.6
-12.5°	2399.5	1890.3	1749.2	1535.2	1286.4	1052.2	848.3	661.1	496.8	364.9	240.4
-15°	2276.8	1932.2	1763.0	1525.6	1275.0	1049.0	845.7	656.0	493.7	362.7	240.5
-17.5°	2116.1	1971.2	1771.8	1513.3	1259.4	1041.0	837.2	646.3	487.9	356.8	238.4
-20°	2112.0	1988.1	1767.0	1489.7	1237.0	1026.4	822.6	631.9	479.3	348.8	234.3



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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°	2141.4	1981.2	1739.2	1458.4	1210.2	1005.7	803.4	612.9	467.8	338.7	228.9
-25°	2157.6	1967.9	1700.4	1424.7	1182.7	979.5	780.8	593.0	453.5	326.5	221.9
-27.5°	2131.3	1928.3	1649.7	1379.7	1151.4	948.3	754.8	578.8	440.6	312.2	213.6
-30°	2086.2	1853.6	1587.6	1327.5	1110.9	912.3	724.1	561.6	426.3	300.6	203.8
-32.5°	2019.2	1773.2	1517.6	1277.4	1064.7	870.8	689.3	541.1	409.7	290.7	197.5
-35°	1913.3	1682.5	1442.4	1221.1	1013.6	828.4	656.1	517.2	390.8	278.2	192.0
-37.5°	1799.0	1578.4	1373.0	1159.8	960.1	782.2	626.7	492.0	369.6	263.1	185.9
-40°	1679.3	1473.3	1283.7	1093.7	904.9	732.4	593.2	463.6	348.9	245.4	178.4
-42.5°	1553.8	1370.5	1191.3	1016.7	844.9	690.5	555.6	430.7	324.2	232.2	169.7
-45°	1436.5	1262.7	1093.6	935.3	780.9	643.7	513.9	394.5	296.6	220.7	163.1
-47.5°	1313.0	1150.7	995.5	848.6	722.5	591.6	467.0	360.8	267.0	207.6	160.5
-50°	1185.8	1036.8	895.6	770.0	654.5	533.7	418.0	324.4	249.3	192.2	157.3
-52.5°	1056.9	922.2	802.2	691.9	581.2	470.6	372.7	286.8	230.3	183.7	153.5
-55°	926.8	817.4	713.6	608.1	503.6	411.8	323.7	262.9	210.0	178.0	149.3
-57.5°	815.2	718.4	618.0	519.3	432.4	351.9	287.1	237.8	199.8	171.8	146.5
-60°	704.5	609.4	516.7	439.0	364.9	303.4	257.9	217.0	192.2	165.7	142.9
-62.5°	580.9	499.0	430.1	362.6	311.0	268.2	230.9	206.6	183.9	160.7	138.9
-65°	468.2	405.5	346.8	308.1	269.7	237.4	217.8	195.6	176.3	155.3	134.6
-67.5°	364.4	330.5	296.2	261.4	240.4	222.5	204.0	186.4	168.9	149.5	130.2
-70°	306.4	275.6	255.4	239.7	224.0	207.9	193.3	177.9	161.2	143.9	125.5
-72.5°	265.1	250.3	235.8	221.6	208.9	195.9	182.9	169.0	153.6	137.9	120.5
-75°	242.7	230.2	218.1	206.4	195.0	183.6	172.2	159.7	145.8	131.6	115.2
-77.5°	223.2	212.2	201.4	191.3	181.8	172.1	161.4	150.0	137.5	124.6	109.5
-80°	204.3	194.8	185.9	177.3	168.9	160.4	150.3	140.3	129.0	117.4	103.6
-82.5°	185.8	177.5	170.2	162.7	155.2	147.5	138.9	130.4	120.2	109.9	98.0
-85°	168.0	160.6	154.2	147.7	141.1	134.5	128.0	121.3	112.6	103.9	93.0
-87.5°	153.7	147.3	142.1	136.9	131.4	125.9	119.8	113.7	105.7	97.8	88.0
-90°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.6



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	74.1	62.2	50.4	36.5	22.6	12.8	3.1
87.5°	3.4	3.4	3.4	3.4	3.3	3.3	3.1
85°	3.6	3.8	3.8	3.6	3.5	3.6	3.1
82.5°	3.9	4.1	4.1	3.9	3.6	3.8	3.1
80°	4.2	4.4	4.5	4.1	3.8	4.1	3.1
77.5°	4.8	4.9	4.8	4.4	4.0	4.3	3.1
75°	5.4	5.4	5.2	4.6	4.3	4.6	3.1
72.5°	6.0	6.0	5.8	4.9	4.5	4.8	3.1
70°	6.7	6.7	6.4	5.2	4.8	5.1	3.1
67.5°	7.9	7.3	7.0	5.8	5.0	5.3	3.1
65°	9.3	8.3	7.6	6.4	5.4	5.6	3.1
62.5°	10.7	9.7	8.3	7.1	5.7	5.9	3.1
60°	12.1	11.1	9.0	7.7	6.1	6.1	3.1
57.5°	14.4	12.6	10.4	8.4	6.8	6.4	3.1
55°	16.8	14.1	11.8	9.0	7.5	6.7	3.1
52.5°	19.3	15.7	13.3	9.7	8.2	7.0	3.1
50°	21.8	18.0	14.8	10.4	9.0	7.2	3.1
47.5°	24.5	20.4	16.3	11.2	9.7	7.5	3.1
45°	28.3	22.9	17.9	12.4	10.5	7.8	3.1
42.5°	32.2	25.5	19.4	13.6	11.3	8.1	3.1
40°	36.5	28.1	21.3	15.1	12.1	8.4	3.1
37.5°	41.1	30.9	23.4	16.8	13.0	8.7	3.1
35°	45.9	34.3	25.5	18.5	13.8	8.9	3.1
32.5°	51.9	38.1	27.6	20.2	14.6	9.2	3.1
30°	60.4	41.9	29.7	21.9	15.5	9.5	3.1
27.5°	68.8	45.7	32.3	23.7	16.3	9.8	3.1
25°	77.1	49.4	35.0	25.3	17.2	10.1	3.1
22.5°	85.1	53.2	37.6	27.0	18.0	10.3	3.1
20°	93.0	57.1	40.2	28.7	18.9	10.6	3.1
17.5°	100.2	60.8	42.7	30.3	19.7	10.8	3.1
15°	106.9	64.3	45.1	31.9	20.5	11.1	3.1
12.5°	113.1	67.7	47.5	33.4	21.3	11.3	3.1
10°	118.8	70.8	49.7	34.9	22.0	11.5	3.1
7.5°	123.9	73.8	51.9	36.3	22.7	11.8	3.1
5°	128.5	76.5	53.9	37.6	23.4	12.0	3.1
2.5°	132.4	79.0	55.8	38.9	24.1	12.1	3.1
0°	135.8	81.3	57.6	40.1	24.7	12.3	3.1
-2.5°	140.2	84.7	60.2	41.9	25.8	12.8	3.1
-5°	143.8	87.9	62.6	43.6	26.8	13.3	3.1
-7.5°	146.9	90.8	64.8	45.2	27.8	13.8	3.1
-10°	149.2	93.4	66.9	46.7	28.8	14.2	3.1
-12.5°	150.7	95.8	68.9	48.0	29.7	14.6	3.1
-15°	151.6	97.9	70.6	49.3	30.5	15.0	3.1
-17.5°	151.7	99.6	72.2	50.4	31.2	15.4	3.1
-20°	151.1	101.1	73.6	51.4	31.9	15.8	3.1



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	149.9	102.2	74.8	52.3	32.5	16.1	3.1
-25°	148.0	103.3	75.7	53.1	33.1	16.4	3.1
-27.5°	145.2	104.1	76.5	53.7	33.6	16.6	3.1
-30°	141.7	104.7	77.1	54.2	34.0	16.9	3.1
-32.5°	137.4	104.9	77.9	54.5	34.3	17.1	3.1
-35°	135.8	104.9	78.4	54.7	34.6	17.2	3.1
-37.5°	135.4	104.8	78.8	54.8	34.7	17.4	3.1
-40°	134.6	105.0	79.0	54.7	34.8	17.5	3.1
-42.5°	133.4	104.9	79.0	54.6	34.8	17.5	3.1
-45°	131.8	104.6	78.9	54.5	34.8	17.6	3.1
-47.5°	129.6	104.1	78.6	54.3	34.7	17.6	3.1
-50°	128.1	103.2	78.0	54.1	34.4	17.5	3.1
-52.5°	126.5	102.2	77.3	53.9	34.1	17.5	3.1
-55°	124.5	100.7	76.3	53.6	33.8	17.4	3.1
-57.5°	122.2	98.9	75.1	53.1	33.3	17.2	3.1
-60°	119.5	96.8	73.8	52.4	32.8	17.1	3.1
-62.5°	116.7	94.6	72.6	51.7	32.3	16.9	3.1
-65°	113.7	92.1	71.3	50.8	31.8	16.6	3.1
-67.5°	110.3	89.6	69.8	49.7	31.1	16.4	3.1
-70°	106.7	87.1	68.2	48.6	30.4	16.1	3.1
-72.5°	103.0	84.3	66.3	47.4	29.6	15.8	3.1
-75°	98.9	81.3	64.3	46.2	28.8	15.4	3.1
-77.5°	94.6	78.1	62.3	44.8	27.9	15.1	3.1
-80°	90.0	75.0	60.2	43.3	26.9	14.7	3.1
-82.5°	86.2	72.0	57.9	41.8	25.9	14.2	3.1
-85°	82.3	68.9	55.5	40.1	24.9	13.8	3.1
-87.5°	78.3	65.6	53.0	38.3	23.7	13.3	3.1
-90°	3.1	3.1	3.1	3.1	3.1	3.1	3.1

(END OF REPORT)