

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: P1305382 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-640L-40-70-7F-HEG-A**

Issue Date: 2/3/2026

**Test Information**

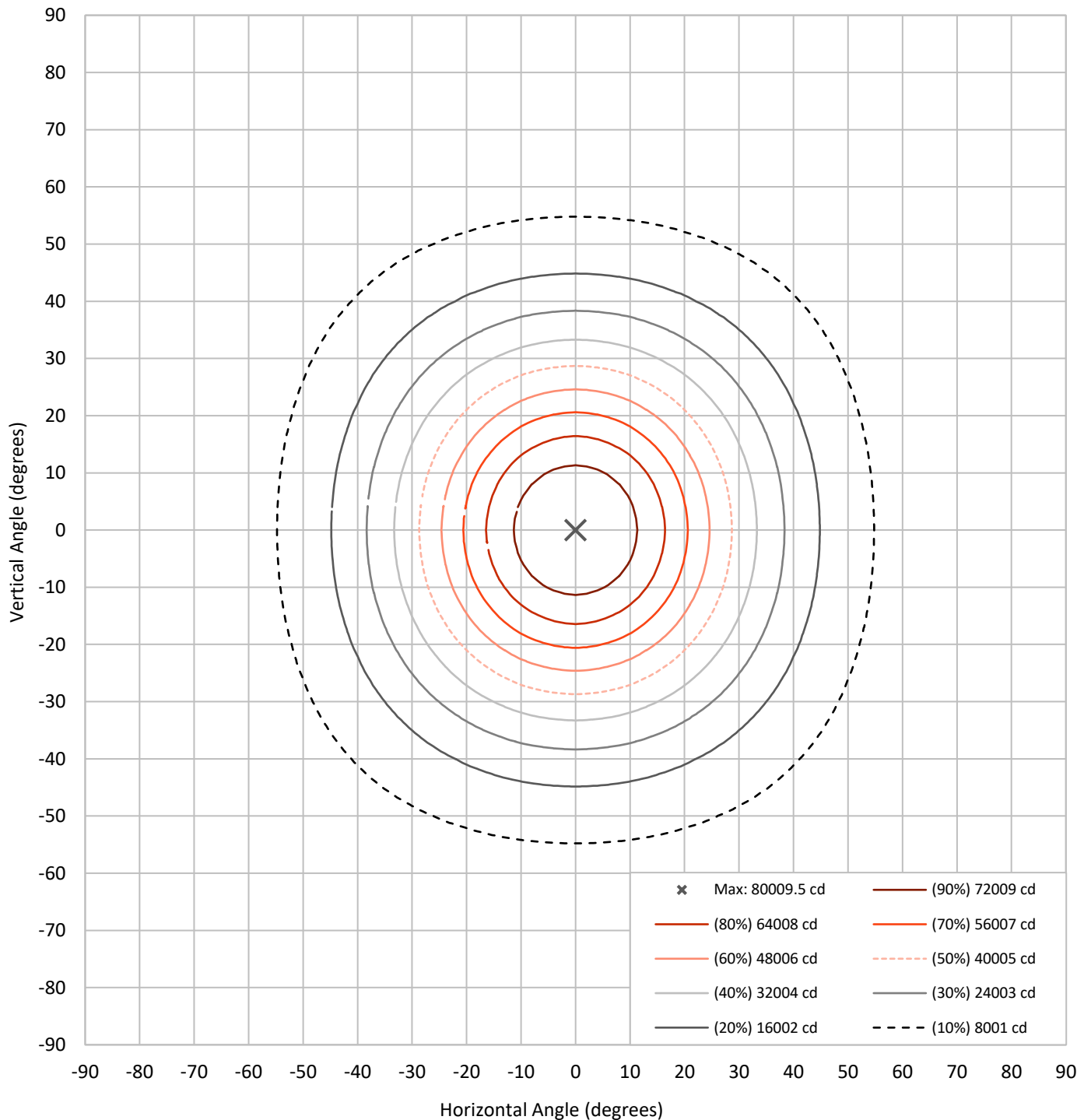
Test Method: LM-79-08  
Report Number: P1305382 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-906-7)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-640L-40-70-7F-HEG-A  
Description: EPHEBUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 70 CRI LEDS AND 7F BEAM SHAPE  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	90275.1 lumens	Max Intensity:	80009.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	139.3 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	57.4°H x 57.4°V	Field Angle (10%):	109.4°H x 109.4°V
Beam Lumens:	44460.5 lumens	Field Lumens:	81899 lumens
Beam Efficiency:	49.2%	Field Efficiency:	90.7%
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





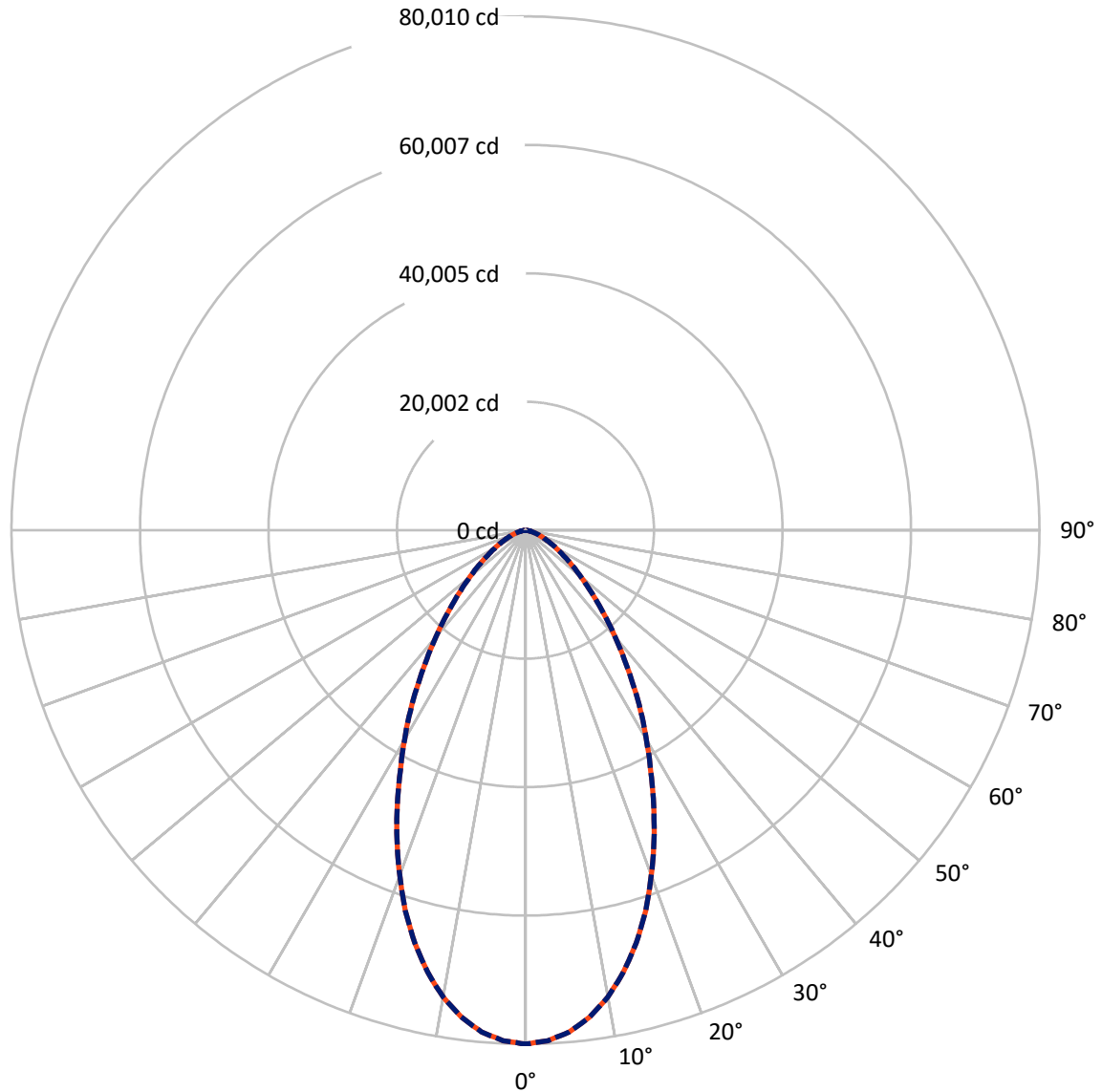
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### Lumen Table

90																			
80	1.1	12.2		41.4		75.8		90.8		75.8		41.4		12.2		1.1			
70	5.9	8.0	19.9	37.7	59.3	81.5	100.0	110.4	110.4	100.0	81.5	59.3	37.7	19.9	8.0	5.9			
60		14.9	37.4	71.9	116.9	167.2	212.5	239.3	239.3	212.5	167.2	116.9	71.9	37.4	14.9				
50	13.7	22.9	58.6	117.9	204.5	310.9	413.2	476.8	476.8	413.2	310.9	204.5	117.9	58.6	22.9	13.7			
40		31.2	82.6	177.2	329.1	531.0	736.3	868.6	868.6	736.3	531.0	329.1	177.2	82.6	31.2				
30	20.7	38.8	107.0	244.0	481.1	814.4	1163.0	1395.3	1395.3	1163.0	814.4	481.1	244.0	107.0	38.8	20.7			
20		44.8	127.9	304.8	627.1	1093.0	1604.8	1949.8	1949.8	1604.8	1093.0	627.1	304.8	127.9	44.8				
10	23.5	48.0	139.7	341.4	717.9	1272.6	1892.1	2295.6	2295.6	1892.1	1272.6	717.9	341.4	139.7	48.0	23.5			
0		48.0	139.7	341.4	717.9	1272.6	1892.1	2295.6	2295.6	1892.1	1272.6	717.9	341.4	139.7	48.0				
-10	20.7	44.8	127.9	304.8	627.1	1093.0	1604.8	1949.8	1949.8	1604.8	1093.0	627.1	304.8	127.9	44.8	20.7			
-20		38.8	107.0	244.0	481.1	814.4	1163.0	1395.3	1395.3	1163.0	814.4	481.1	244.0	107.0	38.8				
-30	13.7	31.2	82.6	177.2	329.1	531.0	736.3	868.6	868.6	736.3	531.0	329.1	177.2	82.6	31.2	13.7			
-40		22.9	58.6	117.9	204.5	310.9	413.2	476.8	476.8	413.2	310.9	204.5	117.9	58.6	22.9				
-50	5.9	14.9	37.4	71.9	116.9	167.2	212.5	239.3	239.3	212.5	167.2	116.9	71.9	37.4	14.9	5.9			
-60		8.0	19.9	37.7	59.3	81.5	100.0	110.4	110.4	100.0	81.5	59.3	37.7	19.9	8.0				
-70																			
-80	1.1	12.2		41.4		75.8		90.8		75.8		41.4		12.2		1.1			
-90																			
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90

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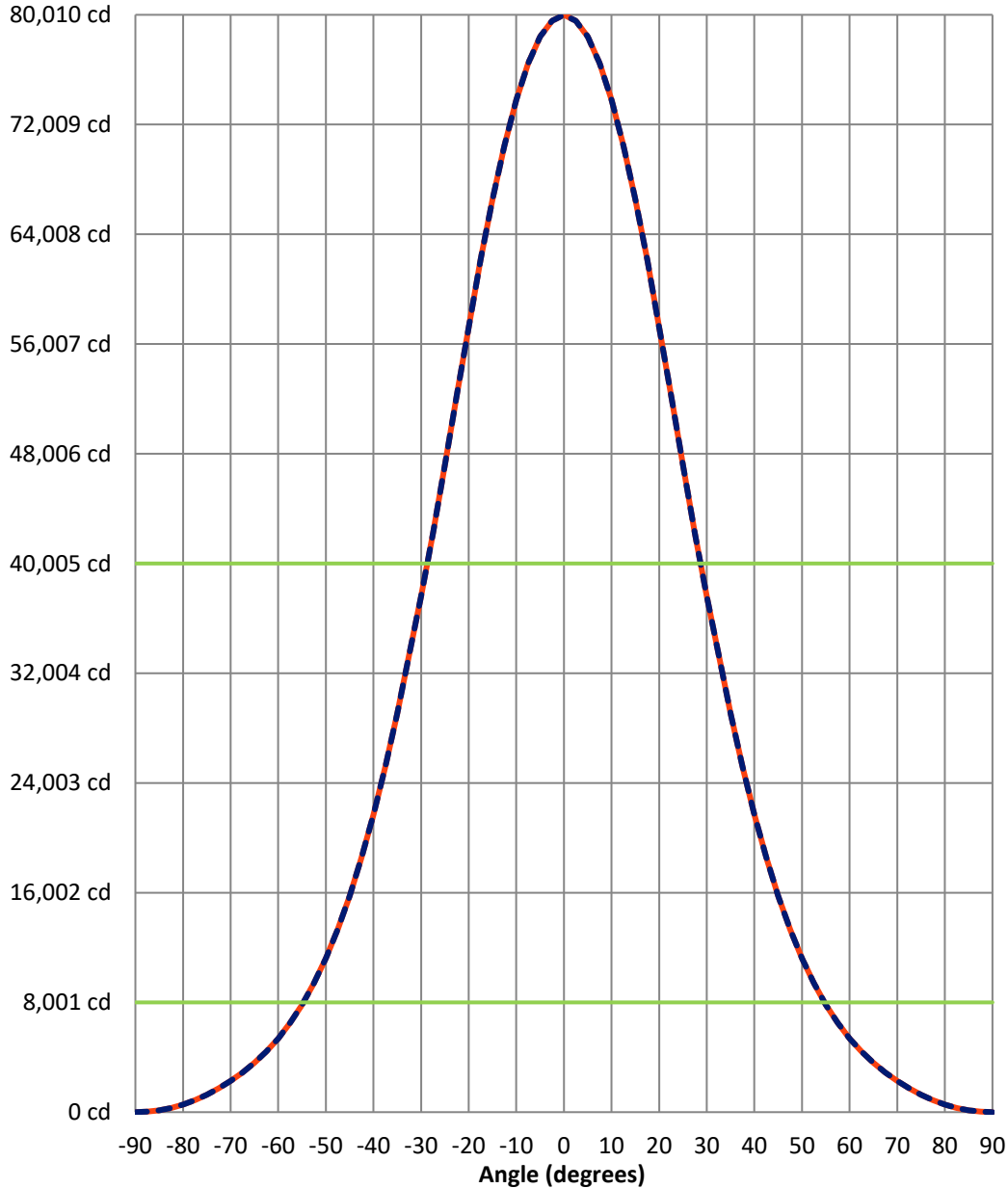
### Luminous Intensity Polar Plot



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

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### Luminous Intensity Plot



**Beam:**  
H Angle: 57.4°  
V Angle: 57.4°  
Lumens: 44460.5  
Efficiency: 49.2%

**Field:**  
H Angle: 109.4°  
V Angle: 109.4°  
Lumens: 81899  
Efficiency: 90.7%

**Spill:**  
Lumens: 8376.1  
Efficiency: 9.3%

— 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	1.8	3.5	5.3	7.1	8.8	10.5	12.2	13.9	15.6	17.2
85°	0.0	3.5	7.1	10.6	14.1	17.6	21.0	24.4	27.8	31.1	34.4
82.5°	0.0	5.3	10.6	15.9	21.1	26.4	31.5	36.6	42.9	54.2	65.3
80°	0.0	7.1	14.1	21.1	28.1	35.1	43.5	59.0	74.3	89.3	104.1
77.5°	0.0	8.8	17.6	26.4	35.1	47.6	67.1	86.4	105.4	124.2	150.2
75°	0.0	10.5	21.0	31.5	43.5	67.1	90.4	113.5	138.7	179.7	220.1
72.5°	0.0	12.2	24.4	36.6	59.0	86.4	113.5	146.1	194.6	242.3	289.2
70°	0.0	13.9	27.8	42.9	74.3	105.4	138.7	194.6	249.7	304.8	383.9
67.5°	0.0	15.6	31.1	54.2	89.3	124.2	179.7	242.3	304.8	395.0	483.8
65°	0.0	17.2	34.4	65.3	104.1	150.2	220.1	289.2	383.9	483.8	590.4
62.5°	0.0	18.8	37.5	76.1	118.5	183.2	259.6	350.9	461.7	576.1	714.7
60°	0.0	20.3	40.7	86.8	132.7	215.5	298.3	417.7	537.8	686.1	836.6
57.5°	0.0	21.9	47.5	97.1	157.3	247.0	352.2	482.9	629.1	793.6	973.8
55°	0.0	23.3	54.3	107.2	181.9	277.7	406.6	546.4	722.5	903.7	1116.2
52.5°	0.0	24.8	60.8	117.0	205.7	309.8	459.5	623.8	813.2	1028.4	1254.8
50°	0.0	26.2	67.1	126.5	228.8	352.5	510.8	700.7	906.9	1149.5	1413.2
47.5°	0.0	27.5	73.2	137.4	251.0	393.7	562.3	775.1	1010.8	1266.6	1569.3
45°	0.0	28.8	79.0	153.4	272.4	433.3	623.5	846.6	1111.0	1401.3	1719.9
42.5°	0.0	30.0	84.6	168.8	292.9	471.3	682.2	924.1	1207.1	1531.2	1881.7
40°	0.0	31.2	90.0	183.4	317.2	507.5	738.2	1004.2	1304.9	1655.6	2039.5
37.5°	0.0	32.3	95.0	197.3	344.6	541.9	791.5	1080.5	1409.7	1778.5	2189.9
35°	0.0	33.3	99.8	210.5	370.6	580.6	841.9	1152.6	1509.0	1906.2	2340.1
32.5°	0.0	34.3	104.3	222.8	395.0	620.0	892.5	1220.6	1602.5	2026.6	2493.1
30°	0.0	35.2	108.5	234.3	417.8	656.8	946.7	1287.1	1690.0	2139.4	2636.6
27.5°	0.0	36.1	112.4	245.0	439.0	690.9	997.0	1357.9	1775.6	2244.3	2770.1
25°	0.0	36.9	116.0	254.9	458.5	722.4	1043.4	1423.0	1860.9	2349.6	2894.2
22.5°	0.0	37.6	119.3	263.8	476.2	751.0	1085.6	1482.5	1938.7	2450.0	3025.4
20°	0.0	38.2	122.2	271.9	492.2	776.8	1123.7	1536.1	2009.0	2540.6	3143.9
17.5°	0.0	38.8	124.8	279.1	506.4	799.7	1157.5	1583.6	2071.3	2621.1	3249.3
15°	0.0	39.3	127.1	285.3	518.7	819.7	1186.9	1625.1	2125.7	2691.4	3341.3
12.5°	0.0	39.7	129.0	290.6	529.2	836.6	1211.9	1660.4	2172.0	2751.2	3419.6
10°	0.0	40.1	130.6	294.9	537.8	850.5	1232.5	1689.3	2210.0	2800.3	3484.0
7.5°	0.0	40.4	131.8	298.3	544.5	861.4	1248.5	1711.9	2239.7	2838.7	3534.3
5°	0.0	40.5	132.7	300.8	549.3	869.2	1260.0	1728.1	2261.0	2866.2	3570.4
2.5°	0.0	40.7	133.2	302.2	552.2	873.8	1266.9	1737.9	2273.7	2882.7	3592.1
0°	0.0	40.7	133.4	302.7	553.2	875.4	1269.2	1741.1	2278.0	2888.2	3599.3
-2.5°	0.0	40.7	133.2	302.2	552.2	873.8	1266.9	1737.9	2273.7	2882.7	3592.1
-5°	0.0	40.5	132.7	300.8	549.3	869.2	1260.0	1728.1	2261.0	2866.2	3570.4
-7.5°	0.0	40.4	131.8	298.3	544.5	861.4	1248.5	1711.9	2239.7	2838.7	3534.3
-10°	0.0	40.1	130.6	294.9	537.8	850.5	1232.5	1689.3	2210.0	2800.3	3484.0
-12.5°	0.0	39.7	129.0	290.6	529.2	836.6	1211.9	1660.4	2172.0	2751.2	3419.6
-15°	0.0	39.3	127.1	285.3	518.7	819.7	1186.9	1625.1	2125.7	2691.4	3341.3
-17.5°	0.0	38.8	124.8	279.1	506.4	799.7	1157.5	1583.6	2071.3	2621.1	3249.3
-20°	0.0	38.2	122.2	271.9	492.2	776.8	1123.7	1536.1	2009.0	2540.6	3143.9



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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	37.6	119.3	263.8	476.2	751.0	1085.6	1482.5	1938.7	2450.0	3025.4
-25°	0.0	36.9	116.0	254.9	458.5	722.4	1043.4	1423.0	1860.9	2349.6	2894.2
-27.5°	0.0	36.1	112.4	245.0	439.0	690.9	997.0	1357.9	1775.6	2244.3	2770.1
-30°	0.0	35.2	108.5	234.3	417.8	656.8	946.7	1287.1	1690.0	2139.4	2636.6
-32.5°	0.0	34.3	104.3	222.8	395.0	620.0	892.5	1220.6	1602.5	2026.6	2493.1
-35°	0.0	33.3	99.8	210.5	370.6	580.6	841.9	1152.6	1509.0	1906.2	2340.1
-37.5°	0.0	32.3	95.0	197.3	344.6	541.9	791.5	1080.5	1409.7	1778.5	2189.9
-40°	0.0	31.2	90.0	183.4	317.2	507.5	738.2	1004.2	1304.9	1655.6	2039.5
-42.5°	0.0	30.0	84.6	168.8	292.9	471.3	682.2	924.1	1207.1	1531.2	1881.7
-45°	0.0	28.8	79.0	153.4	272.4	433.3	623.5	846.6	1111.0	1401.3	1719.9
-47.5°	0.0	27.5	73.2	137.4	251.0	393.7	562.3	775.1	1010.8	1266.6	1569.3
-50°	0.0	26.2	67.1	126.5	228.8	352.5	510.8	700.7	906.9	1149.5	1413.2
-52.5°	0.0	24.8	60.8	117.0	205.7	309.8	459.5	623.8	813.2	1028.4	1254.8
-55°	0.0	23.3	54.3	107.2	181.9	277.7	406.6	546.4	722.5	903.7	1116.2
-57.5°	0.0	21.9	47.5	97.1	157.3	247.0	352.2	482.9	629.1	793.6	973.8
-60°	0.0	20.3	40.7	86.8	132.7	215.5	298.3	417.7	537.8	686.1	836.6
-62.5°	0.0	18.8	37.5	76.1	118.5	183.2	259.6	350.9	461.7	576.1	714.7
-65°	0.0	17.2	34.4	65.3	104.1	150.2	220.1	289.2	383.9	483.8	590.4
-67.5°	0.0	15.6	31.1	54.2	89.3	124.2	179.7	242.3	304.8	395.0	483.8
-70°	0.0	13.9	27.8	42.9	74.3	105.4	138.7	194.6	249.7	304.8	383.9
-72.5°	0.0	12.2	24.4	36.6	59.0	86.4	113.5	146.1	194.6	242.3	289.2
-75°	0.0	10.5	21.0	31.5	43.5	67.1	90.4	113.5	138.7	179.7	220.1
-77.5°	0.0	8.8	17.6	26.4	35.1	47.6	67.1	86.4	105.4	124.2	150.2
-80°	0.0	7.1	14.1	21.1	28.1	35.1	43.5	59.0	74.3	89.3	104.1
-82.5°	0.0	5.3	10.6	15.9	21.1	26.4	31.5	36.6	42.9	54.2	65.3
-85°	0.0	3.5	7.1	10.6	14.1	17.6	21.0	24.4	27.8	31.1	34.4
-87.5°	0.0	1.8	3.5	5.3	7.1	8.8	10.5	12.2	13.9	15.6	17.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**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°	18.8	20.3	21.9	23.3	24.8	26.2	27.5	28.8	30.0	31.2	32.3
85°	37.5	40.7	47.5	54.3	60.8	67.1	73.2	79.0	84.6	90.0	95.0
82.5°	76.1	86.8	97.1	107.2	117.0	126.5	137.4	153.4	168.8	183.4	197.3
80°	118.5	132.7	157.3	181.9	205.7	228.8	251.0	272.4	292.9	317.2	344.6
77.5°	183.2	215.5	247.0	277.7	309.8	352.5	393.7	433.3	471.3	507.5	541.9
75°	259.6	298.3	352.2	406.6	459.5	510.8	562.3	623.5	682.2	738.2	791.5
72.5°	350.9	417.7	482.9	546.4	623.8	700.7	775.1	846.6	924.1	1004.2	1080.5
70°	461.7	537.8	629.1	722.5	813.2	906.9	1010.8	1111.0	1207.1	1304.9	1409.7
67.5°	576.1	686.1	793.6	903.7	1028.4	1149.5	1266.6	1401.3	1531.2	1655.6	1778.5
65°	714.7	836.6	973.8	1116.2	1254.8	1413.2	1569.3	1719.9	1881.7	2039.5	2189.9
62.5°	851.0	1009.1	1169.2	1336.8	1519.4	1696.9	1886.5	2075.4	2257.3	2452.5	2641.5
60°	1009.1	1186.9	1379.4	1583.6	1788.5	2009.0	2222.7	2450.0	2676.3	2894.2	3135.8
57.5°	1169.2	1379.4	1605.1	1837.7	2083.0	2327.9	2591.4	2846.5	3126.3	3401.6	3675.2
55°	1336.8	1583.6	1837.7	2107.8	2384.6	2677.0	2973.3	3294.2	3604.8	3949.2	4279.0
52.5°	1519.4	1788.5	2083.0	2384.6	2705.6	3040.6	3395.9	3762.6	4147.7	4533.3	4942.5
50°	1696.9	2009.0	2327.9	2677.0	3040.6	3429.9	3842.0	4267.8	4719.2	5176.8	5670.1
47.5°	1886.5	2222.7	2591.4	2973.3	3395.9	3842.0	4308.1	4812.9	5318.8	5902.6	6474.1
45°	2075.4	2450.0	2846.5	3294.2	3762.6	4267.8	4812.9	5366.4	6019.7	6671.4	7367.1
42.5°	2257.3	2676.3	3126.3	3604.8	4147.7	4719.2	5318.8	6019.7	6739.5	7505.4	8331.2
40°	2452.5	2894.2	3401.6	3949.2	4533.3	5176.8	5902.6	6671.4	7505.4	8416.3	9361.8
37.5°	2641.5	3135.8	3675.2	4279.0	4942.5	5670.1	6474.1	7367.1	8331.2	9361.8	10497.7
35°	2821.0	3365.5	3964.9	4619.3	5333.1	6180.7	7093.0	8077.4	9188.6	10396.4	11667.2
32.5°	3007.5	3582.7	4239.0	4962.0	5776.4	6687.4	7687.9	8845.4	10094.3	11424.9	12909.5
30°	3192.9	3815.9	4508.2	5284.7	6201.2	7210.7	8338.2	9597.2	10984.8	12538.8	14205.1
27.5°	3365.5	4035.7	4785.2	5633.8	6610.8	7701.5	8976.0	10380.7	11929.5	13629.1	15491.6
25°	3525.1	4239.0	5041.5	5973.6	7032.2	8225.9	9593.0	11111.8	12850.2	14758.6	16854.6
22.5°	3682.1	4425.7	5276.4	6285.3	7419.3	8732.2	10218.8	11885.1	13755.3	15814.7	18163.3
20°	3834.4	4619.3	5515.5	6575.3	7770.7	9192.3	10788.5	12606.9	14646.2	16931.2	19449.6
17.5°	3970.0	4791.8	5745.9	6863.3	8137.8	9632.1	11313.4	13255.0	15448.0	17938.5	20652.5
15°	4088.5	4942.5	5947.5	7115.4	8469.8	10045.2	11839.5	13896.3	16220.0	18856.2	21723.1
12.5°	4189.4	5071.0	6119.5	7330.7	8753.5	10398.7	12290.3	14456.4	16927.0	19704.7	22761.7
10°	4272.4	5176.8	6261.2	7508.1	8987.6	10690.7	12663.0	14920.2	17513.3	20409.8	23626.6
7.5°	4337.2	5259.5	6372.0	7647.0	9170.9	10919.6	12955.4	15284.5	17974.5	20965.1	24309.1
5°	4383.7	5318.8	6451.4	7746.7	9302.6	11084.0	13165.7	15546.6	18306.6	21365.7	24802.2
2.5°	4411.7	5354.5	6499.2	7806.7	9381.8	11183.0	13292.4	15704.7	18507.1	21607.6	25100.3
0°	4421.0	5366.4	6515.2	7826.7	9408.3	11216.1	13334.7	15757.5	18574.1	21688.5	25200.0
-2.5°	4411.7	5354.5	6499.2	7806.7	9381.8	11183.0	13292.4	15704.7	18507.1	21607.6	25100.3
-5°	4383.7	5318.8	6451.4	7746.7	9302.6	11084.0	13165.7	15546.6	18306.6	21365.7	24802.2
-7.5°	4337.2	5259.5	6372.0	7647.0	9170.9	10919.6	12955.4	15284.5	17974.5	20965.1	24309.1
-10°	4272.4	5176.8	6261.2	7508.1	8987.6	10690.7	12663.0	14920.2	17513.3	20409.8	23626.6
-12.5°	4189.4	5071.0	6119.5	7330.7	8753.5	10398.7	12290.3	14456.4	16927.0	19704.7	22761.7
-15°	4088.5	4942.5	5947.5	7115.4	8469.8	10045.2	11839.5	13896.3	16220.0	18856.2	21723.1
-17.5°	3970.0	4791.8	5745.9	6863.3	8137.8	9632.1	11313.4	13255.0	15448.0	17938.5	20652.5
-20°	3834.4	4619.3	5515.5	6575.3	7770.7	9192.3	10788.5	12606.9	14646.2	16931.2	19449.6



REPORT NUMBER: P1305382 (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°	3682.1	4425.7	5276.4	6285.3	7419.3	8732.2	10218.8	11885.1	13755.3	15814.7	18163.3
-25°	3525.1	4239.0	5041.5	5973.6	7032.2	8225.9	9593.0	11111.8	12850.2	14758.6	16854.6
-27.5°	3365.5	4035.7	4785.2	5633.8	6610.8	7701.5	8976.0	10380.7	11929.5	13629.1	15491.6
-30°	3192.9	3815.9	4508.2	5284.7	6201.2	7210.7	8338.2	9597.2	10984.8	12538.8	14205.1
-32.5°	3007.5	3582.7	4239.0	4962.0	5776.4	6687.4	7687.9	8845.4	10094.3	11424.9	12909.5
-35°	2821.0	3365.5	3964.9	4619.3	5333.1	6180.7	7093.0	8077.4	9188.6	10396.4	11667.2
-37.5°	2641.5	3135.8	3675.2	4279.0	4942.5	5670.1	6474.1	7367.1	8331.2	9361.8	10497.7
-40°	2452.5	2894.2	3401.6	3949.2	4533.3	5176.8	5902.6	6671.4	7505.4	8416.3	9361.8
-42.5°	2257.3	2676.3	3126.3	3604.8	4147.7	4719.2	5318.8	6019.7	6739.5	7505.4	8331.2
-45°	2075.4	2450.0	2846.5	3294.2	3762.6	4267.8	4812.9	5366.4	6019.7	6671.4	7367.1
-47.5°	1886.5	2222.7	2591.4	2973.3	3395.9	3842.0	4308.1	4812.9	5318.8	5902.6	6474.1
-50°	1696.9	2009.0	2327.9	2677.0	3040.6	3429.9	3842.0	4267.8	4719.2	5176.8	5670.1
-52.5°	1519.4	1788.5	2083.0	2384.6	2705.6	3040.6	3395.9	3762.6	4147.7	4533.3	4942.5
-55°	1336.8	1583.6	1837.7	2107.8	2384.6	2677.0	2973.3	3294.2	3604.8	3949.2	4279.0
-57.5°	1169.2	1379.4	1605.1	1837.7	2083.0	2327.9	2591.4	2846.5	3126.3	3401.6	3675.2
-60°	1009.1	1186.9	1379.4	1583.6	1788.5	2009.0	2222.7	2450.0	2676.3	2894.2	3135.8
-62.5°	851.0	1009.1	1169.2	1336.8	1519.4	1696.9	1886.5	2075.4	2257.3	2452.5	2641.5
-65°	714.7	836.6	973.8	1116.2	1254.8	1413.2	1569.3	1719.9	1881.7	2039.5	2189.9
-67.5°	576.1	686.1	793.6	903.7	1028.4	1149.5	1266.6	1401.3	1531.2	1655.6	1778.5
-70°	461.7	537.8	629.1	722.5	813.2	906.9	1010.8	1111.0	1207.1	1304.9	1409.7
-72.5°	350.9	417.7	482.9	546.4	623.8	700.7	775.1	846.6	924.1	1004.2	1080.5
-75°	259.6	298.3	352.2	406.6	459.5	510.8	562.3	623.5	682.2	738.2	791.5
-77.5°	183.2	215.5	247.0	277.7	309.8	352.5	393.7	433.3	471.3	507.5	541.9
-80°	118.5	132.7	157.3	181.9	205.7	228.8	251.0	272.4	292.9	317.2	344.6
-82.5°	76.1	86.8	97.1	107.2	117.0	126.5	137.4	153.4	168.8	183.4	197.3
-85°	37.5	40.7	47.5	54.3	60.8	67.1	73.2	79.0	84.6	90.0	95.0
-87.5°	18.8	20.3	21.9	23.3	24.8	26.2	27.5	28.8	30.0	31.2	32.3
-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):**

	-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°	33.3	34.3	35.2	36.1	36.9	37.6	38.2	38.8	39.3	39.7	40.1
85°	99.8	104.3	108.5	112.4	116.0	119.3	122.2	124.8	127.1	129.0	130.6
82.5°	210.5	222.8	234.3	245.0	254.9	263.8	271.9	279.1	285.3	290.6	294.9
80°	370.6	395.0	417.8	439.0	458.5	476.2	492.2	506.4	518.7	529.2	537.8
77.5°	580.6	620.0	656.8	690.9	722.4	751.0	776.8	799.7	819.7	836.6	850.5
75°	841.9	892.5	946.7	997.0	1043.4	1085.6	1123.7	1157.5	1186.9	1211.9	1232.5
72.5°	1152.6	1220.6	1287.1	1357.9	1423.0	1482.5	1536.1	1583.6	1625.1	1660.4	1689.3
70°	1509.0	1602.5	1690.0	1775.6	1860.9	1938.7	2009.0	2071.3	2125.7	2172.0	2210.0
67.5°	1906.2	2026.6	2139.4	2244.3	2349.6	2450.0	2540.6	2621.1	2691.4	2751.2	2800.3
65°	2340.1	2493.1	2636.6	2770.1	2894.2	3025.4	3143.9	3249.3	3341.3	3419.6	3484.0
62.5°	2821.0	3007.5	3192.9	3365.5	3525.1	3682.1	3834.4	3970.0	4088.5	4189.4	4272.4
60°	3365.5	3582.7	3815.9	4035.7	4239.0	4425.7	4619.3	4791.8	4942.5	5071.0	5176.8
57.5°	3964.9	4239.0	4508.2	4785.2	5041.5	5276.4	5515.5	5745.9	5947.5	6119.5	6261.2
55°	4619.3	4962.0	5284.7	5633.8	5973.6	6285.3	6575.3	6863.3	7115.4	7330.7	7508.1
52.5°	5333.1	5776.4	6201.2	6610.8	7032.2	7419.3	7770.7	8137.8	8469.8	8753.5	8987.6
50°	6180.7	6687.4	7210.7	7701.5	8225.9	8732.2	9192.3	9632.1	10045.2	10398.7	10690.7
47.5°	7093.0	7687.9	8338.2	8976.0	9593.0	10218.8	10788.5	11313.4	11839.5	12290.3	12663.0
45°	8077.4	8845.4	9597.2	10380.7	11111.8	11885.1	12606.9	13255.0	13896.3	14456.4	14920.2
42.5°	9188.6	10094.3	10984.8	11929.5	12850.2	13755.3	14646.2	15448.0	16220.0	16927.0	17513.3
40°	10396.4	11424.9	12538.8	13629.1	14758.6	15814.7	16931.2	17938.5	18856.2	19704.7	20409.8
37.5°	11667.2	12909.5	14205.1	15491.6	16854.6	18163.3	19449.6	20652.5	21723.1	22761.7	23626.6
35°	13033.9	14496.4	15967.8	17562.2	19118.0	20670.3	22154.2	23618.7	24921.3	26137.3	27176.6
32.5°	14496.4	16142.3	17920.4	19727.5	21503.1	23355.3	25091.1	26824.4	28381.8	29804.5	31056.9
30°	15967.8	17920.4	19932.4	21955.6	24090.5	26191.7	28250.9	30245.5	32111.1	33737.7	35101.0
27.5°	17562.2	19727.5	21955.6	24338.1	26756.9	29132.3	31576.5	33821.9	35838.5	37607.4	39216.0
25°	19118.0	21503.1	24090.5	26756.9	29458.7	32254.9	34873.7	37291.1	39625.9	41708.2	43586.7
22.5°	20670.3	23355.3	26191.7	29132.3	32254.9	35229.3	38066.5	40878.2	43551.3	46028.3	48170.2
20°	22154.2	25091.1	28250.9	31576.5	34873.7	38066.5	41302.9	44521.1	47563.2	50345.4	52734.4
17.5°	23618.7	26824.4	30245.5	33821.9	37291.1	40878.2	44521.1	48095.0	51473.1	54466.7	57061.0
15°	24921.3	28381.8	32111.1	35838.5	39625.9	43551.3	47563.2	51473.1	55060.9	58336.2	61244.7
12.5°	26137.3	29804.5	33737.7	37607.4	41708.2	46028.3	50345.4	54466.7	58336.2	61951.1	64866.7
10°	27176.6	31056.9	35101.0	39216.0	43586.7	48170.2	52734.4	57061.0	61244.7	64866.7	68046.1
7.5°	27998.7	32050.2	36186.1	40502.0	45130.0	49924.0	54635.6	59207.5	63509.5	67307.0	70497.2
5°	28593.6	32770.6	36975.2	41440.5	46261.2	51217.0	56048.1	60819.3	65155.5	69068.1	72330.4
2.5°	28953.7	33207.3	37454.5	42012.0	46952.2	52010.2	56919.7	61822.1	66191.8	70118.1	73427.4
0°	29074.3	33353.7	37615.3	42203.9	47184.7	52277.7	57214.5	62162.8	66546.3	70464.6	73805.2
-2.5°	28953.7	33207.3	37454.5	42012.0	46952.2	52010.2	56919.7	61822.1	66191.8	70118.1	73427.4
-5°	28593.6	32770.6	36975.2	41440.5	46261.2	51217.0	56048.1	60819.3	65155.5	69068.1	72330.4
-7.5°	27998.7	32050.2	36186.1	40502.0	45130.0	49924.0	54635.6	59207.5	63509.5	67307.0	70497.2
-10°	27176.6	31056.9	35101.0	39216.0	43586.7	48170.2	52734.4	57061.0	61244.7	64866.7	68046.1
-12.5°	26137.3	29804.5	33737.7	37607.4	41708.2	46028.3	50345.4	54466.7	58336.2	61951.1	64866.7
-15°	24921.3	28381.8	32111.1	35838.5	39625.9	43551.3	47563.2	51473.1	55060.9	58336.2	61244.7
-17.5°	23618.7	26824.4	30245.5	33821.9	37291.1	40878.2	44521.1	48095.0	51473.1	54466.7	57061.0
-20°	22154.2	25091.1	28250.9	31576.5	34873.7	38066.5	41302.9	44521.1	47563.2	50345.4	52734.4



REPORT NUMBER: P1305382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-70-7F-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	20670.3	23355.3	26191.7	29132.3	32254.9	35229.3	38066.5	40878.2	43551.3	46028.3	48170.2
-25°	19118.0	21503.1	24090.5	26756.9	29458.7	32254.9	34873.7	37291.1	39625.9	41708.2	43586.7
-27.5°	17562.2	19727.5	21955.6	24338.1	26756.9	29132.3	31576.5	33821.9	35838.5	37607.4	39216.0
-30°	15967.8	17920.4	19932.4	21955.6	24090.5	26191.7	28250.9	30245.5	32111.1	33737.7	35101.0
-32.5°	14496.4	16142.3	17920.4	19727.5	21503.1	23355.3	25091.1	26824.4	28381.8	29804.5	31056.9
-35°	13033.9	14496.4	15967.8	17562.2	19118.0	20670.3	22154.2	23618.7	24921.3	26137.3	27176.6
-37.5°	11667.2	12909.5	14205.1	15491.6	16854.6	18163.3	19449.6	20652.5	21723.1	22761.7	23626.6
-40°	10396.4	11424.9	12538.8	13629.1	14758.6	15814.7	16931.2	17938.5	18856.2	19704.7	20409.8
-42.5°	9188.6	10094.3	10984.8	11929.5	12850.2	13755.3	14646.2	15448.0	16220.0	16927.0	17513.3
-45°	8077.4	8845.4	9597.2	10380.7	11111.8	11885.1	12606.9	13255.0	13896.3	14456.4	14920.2
-47.5°	7093.0	7687.9	8338.2	8976.0	9593.0	10218.8	10788.5	11313.4	11839.5	12290.3	12663.0
-50°	6180.7	6687.4	7210.7	7701.5	8225.9	8732.2	9192.3	9632.1	10045.2	10398.7	10690.7
-52.5°	5333.1	5776.4	6201.2	6610.8	7032.2	7419.3	7770.7	8137.8	8469.8	8753.5	8987.6
-55°	4619.3	4962.0	5284.7	5633.8	5973.6	6285.3	6575.3	6863.3	7115.4	7330.7	7508.1
-57.5°	3964.9	4239.0	4508.2	4785.2	5041.5	5276.4	5515.5	5745.9	5947.5	6119.5	6261.2
-60°	3365.5	3582.7	3815.9	4035.7	4239.0	4425.7	4619.3	4791.8	4942.5	5071.0	5176.8
-62.5°	2821.0	3007.5	3192.9	3365.5	3525.1	3682.1	3834.4	3970.0	4088.5	4189.4	4272.4
-65°	2340.1	2493.1	2636.6	2770.1	2894.2	3025.4	3143.9	3249.3	3341.3	3419.6	3484.0
-67.5°	1906.2	2026.6	2139.4	2244.3	2349.6	2450.0	2540.6	2621.1	2691.4	2751.2	2800.3
-70°	1509.0	1602.5	1690.0	1775.6	1860.9	1938.7	2009.0	2071.3	2125.7	2172.0	2210.0
-72.5°	1152.6	1220.6	1287.1	1357.9	1423.0	1482.5	1536.1	1583.6	1625.1	1660.4	1689.3
-75°	841.9	892.5	946.7	997.0	1043.4	1085.6	1123.7	1157.5	1186.9	1211.9	1232.5
-77.5°	580.6	620.0	656.8	690.9	722.4	751.0	776.8	799.7	819.7	836.6	850.5
-80°	370.6	395.0	417.8	439.0	458.5	476.2	492.2	506.4	518.7	529.2	537.8
-82.5°	210.5	222.8	234.3	245.0	254.9	263.8	271.9	279.1	285.3	290.6	294.9
-85°	99.8	104.3	108.5	112.4	116.0	119.3	122.2	124.8	127.1	129.0	130.6
-87.5°	33.3	34.3	35.2	36.1	36.9	37.6	38.2	38.8	39.3	39.7	40.1
-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: P1305382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-70-7F-HEG-A

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	40.4	40.5	40.7	40.7	40.7	40.5	40.4	40.1	39.7	39.3	38.8
85°	131.8	132.7	133.2	133.4	133.2	132.7	131.8	130.6	129.0	127.1	124.8
82.5°	298.3	300.8	302.2	302.7	302.2	300.8	298.3	294.9	290.6	285.3	279.1
80°	544.5	549.3	552.2	553.2	552.2	549.3	544.5	537.8	529.2	518.7	506.4
77.5°	861.4	869.2	873.8	875.4	873.8	869.2	861.4	850.5	836.6	819.7	799.7
75°	1248.5	1260.0	1266.9	1269.2	1266.9	1260.0	1248.5	1232.5	1211.9	1186.9	1157.5
72.5°	1711.9	1728.1	1737.9	1741.1	1737.9	1728.1	1711.9	1689.3	1660.4	1625.1	1583.6
70°	2239.7	2261.0	2273.7	2278.0	2273.7	2261.0	2239.7	2210.0	2172.0	2125.7	2071.3
67.5°	2838.7	2866.2	2882.7	2888.2	2882.7	2866.2	2838.7	2800.3	2751.2	2691.4	2621.1
65°	3534.3	3570.4	3592.1	3599.3	3592.1	3570.4	3534.3	3484.0	3419.6	3341.3	3249.3
62.5°	4337.2	4383.7	4411.7	4421.0	4411.7	4383.7	4337.2	4272.4	4189.4	4088.5	3970.0
60°	5259.5	5318.8	5354.5	5366.4	5354.5	5318.8	5259.5	5176.8	5071.0	4942.5	4791.8
57.5°	6372.0	6451.4	6499.2	6515.2	6499.2	6451.4	6372.0	6261.2	6119.5	5947.5	5745.9
55°	7647.0	7746.7	7806.7	7826.7	7806.7	7746.7	7647.0	7508.1	7330.7	7115.4	6863.3
52.5°	9170.9	9302.6	9381.8	9408.3	9381.8	9302.6	9170.9	8987.6	8753.5	8469.8	8137.8
50°	10919.6	11084.0	11183.0	11216.1	11183.0	11084.0	10919.6	10690.7	10398.7	10045.2	9632.1
47.5°	12955.4	13165.7	13292.4	13334.7	13292.4	13165.7	12955.4	12663.0	12290.3	11839.5	11313.4
45°	15284.5	15546.6	15704.7	15757.5	15704.7	15546.6	15284.5	14920.2	14456.4	13896.3	13255.0
42.5°	17974.5	18306.6	18507.1	18574.1	18507.1	18306.6	17974.5	17513.3	16927.0	16220.0	15448.0
40°	20965.1	21365.7	21607.6	21688.5	21607.6	21365.7	20965.1	20409.8	19704.7	18856.2	17938.5
37.5°	24309.1	24802.2	25100.3	25200.0	25100.3	24802.2	24309.1	23626.6	22761.7	21723.1	20652.5
35°	27998.7	28593.6	28953.7	29074.3	28953.7	28593.6	27998.7	27176.6	26137.3	24921.3	23618.7
32.5°	32050.2	32770.6	33207.3	33353.7	33207.3	32770.6	32050.2	31056.9	29804.5	28381.8	26824.4
30°	36186.1	36975.2	37454.5	37615.3	37454.5	36975.2	36186.1	35101.0	33737.7	32111.1	30245.5
27.5°	40502.0	41440.5	42012.0	42203.9	42012.0	41440.5	40502.0	39216.0	37607.4	35838.5	33821.9
25°	45130.0	46261.2	46952.2	47184.7	46952.2	46261.2	45130.0	43586.7	41708.2	39625.9	37291.1
22.5°	49924.0	51217.0	52010.2	52277.7	52010.2	51217.0	49924.0	48170.2	46028.3	43551.3	40878.2
20°	54635.6	56048.1	56919.7	57214.5	56919.7	56048.1	54635.6	52734.4	50345.4	47563.2	44521.1
17.5°	59207.5	60819.3	61822.1	62162.8	61822.1	60819.3	59207.5	57061.0	54466.7	51473.1	48095.0
15°	63509.5	65155.5	66191.8	66546.3	66191.8	65155.5	63509.5	61244.7	58336.2	55060.9	51473.1
12.5°	67307.0	69068.1	70118.1	70464.6	70118.1	69068.1	67307.0	64866.7	61951.1	58336.2	54466.7
10°	70497.2	72330.4	73427.4	73805.2	73427.4	72330.4	70497.2	68046.1	64866.7	61244.7	57061.0
7.5°	73071.9	74939.0	76099.4	76472.9	76099.4	74939.0	73071.9	70497.2	67307.0	63509.5	59207.5
5°	74939.0	76874.2	77997.5	78413.3	77997.5	76874.2	74939.0	72330.4	69068.1	65155.5	60819.3
2.5°	76099.4	77997.5	79167.4	79564.6	79167.4	77997.5	76099.4	73427.4	70118.1	66191.8	61822.1
0°	76472.9	78413.3	79564.6	80009.5	79564.6	78413.3	76472.9	73805.2	70464.6	66546.3	62162.8
-2.5°	76099.4	77997.5	79167.4	79564.6	79167.4	77997.5	76099.4	73427.4	70118.1	66191.8	61822.1
-5°	74939.0	76874.2	77997.5	78413.3	77997.5	76874.2	74939.0	72330.4	69068.1	65155.5	60819.3
-7.5°	73071.9	74939.0	76099.4	76472.9	76099.4	74939.0	73071.9	70497.2	67307.0	63509.5	59207.5
-10°	70497.2	72330.4	73427.4	73805.2	73427.4	72330.4	70497.2	68046.1	64866.7	61244.7	57061.0
-12.5°	67307.0	69068.1	70118.1	70464.6	70118.1	69068.1	67307.0	64866.7	61951.1	58336.2	54466.7
-15°	63509.5	65155.5	66191.8	66546.3	66191.8	65155.5	63509.5	61244.7	58336.2	55060.9	51473.1
-17.5°	59207.5	60819.3	61822.1	62162.8	61822.1	60819.3	59207.5	57061.0	54466.7	51473.1	48095.0
-20°	54635.6	56048.1	56919.7	57214.5	56919.7	56048.1	54635.6	52734.4	50345.4	47563.2	44521.1



REPORT NUMBER: P1305382 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	49924.0	51217.0	52010.2	52277.7	52010.2	51217.0	49924.0	48170.2	46028.3	43551.3	40878.2
-25°	45130.0	46261.2	46952.2	47184.7	46952.2	46261.2	45130.0	43586.7	41708.2	39625.9	37291.1
-27.5°	40502.0	41440.5	42012.0	42203.9	42012.0	41440.5	40502.0	39216.0	37607.4	35838.5	33821.9
-30°	36186.1	36975.2	37454.5	37615.3	37454.5	36975.2	36186.1	35101.0	33737.7	32111.1	30245.5
-32.5°	32050.2	32770.6	33207.3	33353.7	33207.3	32770.6	32050.2	31056.9	29804.5	28381.8	26824.4
-35°	27998.7	28593.6	28953.7	29074.3	28953.7	28593.6	27998.7	27176.6	26137.3	24921.3	23618.7
-37.5°	24309.1	24802.2	25100.3	25200.0	25100.3	24802.2	24309.1	23626.6	22761.7	21723.1	20652.5
-40°	20965.1	21365.7	21607.6	21688.5	21607.6	21365.7	20965.1	20409.8	19704.7	18856.2	17938.5
-42.5°	17974.5	18306.6	18507.1	18574.1	18507.1	18306.6	17974.5	17513.3	16927.0	16220.0	15448.0
-45°	15284.5	15546.6	15704.7	15757.5	15704.7	15546.6	15284.5	14920.2	14456.4	13896.3	13255.0
-47.5°	12955.4	13165.7	13292.4	13334.7	13292.4	13165.7	12955.4	12663.0	12290.3	11839.5	11313.4
-50°	10919.6	11084.0	11183.0	11216.1	11183.0	11084.0	10919.6	10690.7	10398.7	10045.2	9632.1
-52.5°	9170.9	9302.6	9381.8	9408.3	9381.8	9302.6	9170.9	8987.6	8753.5	8469.8	8137.8
-55°	7647.0	7746.7	7806.7	7826.7	7806.7	7746.7	7647.0	7508.1	7330.7	7115.4	6863.3
-57.5°	6372.0	6451.4	6499.2	6515.2	6499.2	6451.4	6372.0	6261.2	6119.5	5947.5	5745.9
-60°	5259.5	5318.8	5354.5	5366.4	5354.5	5318.8	5259.5	5176.8	5071.0	4942.5	4791.8
-62.5°	4337.2	4383.7	4411.7	4421.0	4411.7	4383.7	4337.2	4272.4	4189.4	4088.5	3970.0
-65°	3534.3	3570.4	3592.1	3599.3	3592.1	3570.4	3534.3	3484.0	3419.6	3341.3	3249.3
-67.5°	2838.7	2866.2	2882.7	2888.2	2882.7	2866.2	2838.7	2800.3	2751.2	2691.4	2621.1
-70°	2239.7	2261.0	2273.7	2278.0	2273.7	2261.0	2239.7	2210.0	2172.0	2125.7	2071.3
-72.5°	1711.9	1728.1	1737.9	1741.1	1737.9	1728.1	1711.9	1689.3	1660.4	1625.1	1583.6
-75°	1248.5	1260.0	1266.9	1269.2	1266.9	1260.0	1248.5	1232.5	1211.9	1186.9	1157.5
-77.5°	861.4	869.2	873.8	875.4	873.8	869.2	861.4	850.5	836.6	819.7	799.7
-80°	544.5	549.3	552.2	553.2	552.2	549.3	544.5	537.8	529.2	518.7	506.4
-82.5°	298.3	300.8	302.2	302.7	302.2	300.8	298.3	294.9	290.6	285.3	279.1
-85°	131.8	132.7	133.2	133.4	133.2	132.7	131.8	130.6	129.0	127.1	124.8
-87.5°	40.4	40.5	40.7	40.7	40.7	40.5	40.4	40.1	39.7	39.3	38.8
-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: P1305382 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	38.2	37.6	36.9	36.1	35.2	34.3	33.3	32.3	31.2	30.0	28.8
85°	122.2	119.3	116.0	112.4	108.5	104.3	99.8	95.0	90.0	84.6	79.0
82.5°	271.9	263.8	254.9	245.0	234.3	222.8	210.5	197.3	183.4	168.8	153.4
80°	492.2	476.2	458.5	439.0	417.8	395.0	370.6	344.6	317.2	292.9	272.4
77.5°	776.8	751.0	722.4	690.9	656.8	620.0	580.6	541.9	507.5	471.3	433.3
75°	1123.7	1085.6	1043.4	997.0	946.7	892.5	841.9	791.5	738.2	682.2	623.5
72.5°	1536.1	1482.5	1423.0	1357.9	1287.1	1220.6	1152.6	1080.5	1004.2	924.1	846.6
70°	2009.0	1938.7	1860.9	1775.6	1690.0	1602.5	1509.0	1409.7	1304.9	1207.1	1111.0
67.5°	2540.6	2450.0	2349.6	2244.3	2139.4	2026.6	1906.2	1778.5	1655.6	1531.2	1401.3
65°	3143.9	3025.4	2894.2	2770.1	2636.6	2493.1	2340.1	2189.9	2039.5	1881.7	1719.9
62.5°	3834.4	3682.1	3525.1	3365.5	3192.9	3007.5	2821.0	2641.5	2452.5	2257.3	2075.4
60°	4619.3	4425.7	4239.0	4035.7	3815.9	3582.7	3365.5	3135.8	2894.2	2676.3	2450.0
57.5°	5515.5	5276.4	5041.5	4785.2	4508.2	4239.0	3964.9	3675.2	3401.6	3126.3	2846.5
55°	6575.3	6285.3	5973.6	5633.8	5284.7	4962.0	4619.3	4279.0	3949.2	3604.8	3294.2
52.5°	7770.7	7419.3	7032.2	6610.8	6201.2	5776.4	5333.1	4942.5	4533.3	4147.7	3762.6
50°	9192.3	8732.2	8225.9	7701.5	7210.7	6687.4	6180.7	5670.1	5176.8	4719.2	4267.8
47.5°	10788.5	10218.8	9593.0	8976.0	8338.2	7687.9	7093.0	6474.1	5902.6	5318.8	4812.9
45°	12606.9	11885.1	11111.8	10380.7	9597.2	8845.4	8077.4	7367.1	6671.4	6019.7	5366.4
42.5°	14646.2	13755.3	12850.2	11929.5	10984.8	10094.3	9188.6	8331.2	7505.4	6739.5	6019.7
40°	16931.2	15814.7	14758.6	13629.1	12538.8	11424.9	10396.4	9361.8	8416.3	7505.4	6671.4
37.5°	19449.6	18163.3	16854.6	15491.6	14205.1	12909.5	11667.2	10497.7	9361.8	8331.2	7367.1
35°	22154.2	20670.3	19118.0	17562.2	15967.8	14496.4	13033.9	11667.2	10396.4	9188.6	8077.4
32.5°	25091.1	23355.3	21503.1	19727.5	17920.4	16142.3	14496.4	12909.5	11424.9	10094.3	8845.4
30°	28250.9	26191.7	24090.5	21955.6	19932.4	17920.4	15967.8	14205.1	12538.8	10984.8	9597.2
27.5°	31576.5	29132.3	26756.9	24338.1	21955.6	19727.5	17562.2	15491.6	13629.1	11929.5	10380.7
25°	34873.7	32254.9	29458.7	26756.9	24090.5	21503.1	19118.0	16854.6	14758.6	12850.2	11111.8
22.5°	38066.5	35229.3	32254.9	29132.3	26191.7	23355.3	20670.3	18163.3	15814.7	13755.3	11885.1
20°	41302.9	38066.5	34873.7	31576.5	28250.9	25091.1	22154.2	19449.6	16931.2	14646.2	12606.9
17.5°	44521.1	40878.2	37291.1	33821.9	30245.5	26824.4	23618.7	20652.5	17938.5	15448.0	13255.0
15°	47563.2	43551.3	39625.9	35838.5	32111.1	28381.8	24921.3	21723.1	18856.2	16220.0	13896.3
12.5°	50345.4	46028.3	41708.2	37607.4	33737.7	29804.5	26137.3	22761.7	19704.7	16927.0	14456.4
10°	52734.4	48170.2	43586.7	39216.0	35101.0	31056.9	27176.6	23626.6	20409.8	17513.3	14920.2
7.5°	54635.6	49924.0	45130.0	40502.0	36186.1	32050.2	27998.7	24309.1	20965.1	17974.5	15284.5
5°	56048.1	51217.0	46261.2	41440.5	36975.2	32770.6	28593.6	24802.2	21365.7	18306.6	15546.6
2.5°	56919.7	52010.2	46952.2	42012.0	37454.5	33207.3	28953.7	25100.3	21607.6	18507.1	15704.7
0°	57214.5	52277.7	47184.7	42203.9	37615.3	33353.7	29074.3	25200.0	21688.5	18574.1	15757.5
-2.5°	56919.7	52010.2	46952.2	42012.0	37454.5	33207.3	28953.7	25100.3	21607.6	18507.1	15704.7
-5°	56048.1	51217.0	46261.2	41440.5	36975.2	32770.6	28593.6	24802.2	21365.7	18306.6	15546.6
-7.5°	54635.6	49924.0	45130.0	40502.0	36186.1	32050.2	27998.7	24309.1	20965.1	17974.5	15284.5
-10°	52734.4	48170.2	43586.7	39216.0	35101.0	31056.9	27176.6	23626.6	20409.8	17513.3	14920.2
-12.5°	50345.4	46028.3	41708.2	37607.4	33737.7	29804.5	26137.3	22761.7	19704.7	16927.0	14456.4
-15°	47563.2	43551.3	39625.9	35838.5	32111.1	28381.8	24921.3	21723.1	18856.2	16220.0	13896.3
-17.5°	44521.1	40878.2	37291.1	33821.9	30245.5	26824.4	23618.7	20652.5	17938.5	15448.0	13255.0
-20°	41302.9	38066.5	34873.7	31576.5	28250.9	25091.1	22154.2	19449.6	16931.2	14646.2	12606.9



REPORT NUMBER: P1305382 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-640L-40-70-7F-HEG-A

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	38066.5	35229.3	32254.9	29132.3	26191.7	23355.3	20670.3	18163.3	15814.7	13755.3	11885.1
-25°	34873.7	32254.9	29458.7	26756.9	24090.5	21503.1	19118.0	16854.6	14758.6	12850.2	11111.8
-27.5°	31576.5	29132.3	26756.9	24338.1	21955.6	19727.5	17562.2	15491.6	13629.1	11929.5	10380.7
-30°	28250.9	26191.7	24090.5	21955.6	19932.4	17920.4	15967.8	14205.1	12538.8	10984.8	9597.2
-32.5°	25091.1	23355.3	21503.1	19727.5	17920.4	16142.3	14496.4	12909.5	11424.9	10094.3	8845.4
-35°	22154.2	20670.3	19118.0	17562.2	15967.8	14496.4	13033.9	11667.2	10396.4	9188.6	8077.4
-37.5°	19449.6	18163.3	16854.6	15491.6	14205.1	12909.5	11667.2	10497.7	9361.8	8331.2	7367.1
-40°	16931.2	15814.7	14758.6	13629.1	12538.8	11424.9	10396.4	9361.8	8416.3	7505.4	6671.4
-42.5°	14646.2	13755.3	12850.2	11929.5	10984.8	10094.3	9188.6	8331.2	7505.4	6739.5	6019.7
-45°	12606.9	11885.1	11111.8	10380.7	9597.2	8845.4	8077.4	7367.1	6671.4	6019.7	5366.4
-47.5°	10788.5	10218.8	9593.0	8976.0	8338.2	7687.9	7093.0	6474.1	5902.6	5318.8	4812.9
-50°	9192.3	8732.2	8225.9	7701.5	7210.7	6687.4	6180.7	5670.1	5176.8	4719.2	4267.8
-52.5°	7770.7	7419.3	7032.2	6610.8	6201.2	5776.4	5333.1	4942.5	4533.3	4147.7	3762.6
-55°	6575.3	6285.3	5973.6	5633.8	5284.7	4962.0	4619.3	4279.0	3949.2	3604.8	3294.2
-57.5°	5515.5	5276.4	5041.5	4785.2	4508.2	4239.0	3964.9	3675.2	3401.6	3126.3	2846.5
-60°	4619.3	4425.7	4239.0	4035.7	3815.9	3582.7	3365.5	3135.8	2894.2	2676.3	2450.0
-62.5°	3834.4	3682.1	3525.1	3365.5	3192.9	3007.5	2821.0	2641.5	2452.5	2257.3	2075.4
-65°	3143.9	3025.4	2894.2	2770.1	2636.6	2493.1	2340.1	2189.9	2039.5	1881.7	1719.9
-67.5°	2540.6	2450.0	2349.6	2244.3	2139.4	2026.6	1906.2	1778.5	1655.6	1531.2	1401.3
-70°	2009.0	1938.7	1860.9	1775.6	1690.0	1602.5	1509.0	1409.7	1304.9	1207.1	1111.0
-72.5°	1536.1	1482.5	1423.0	1357.9	1287.1	1220.6	1152.6	1080.5	1004.2	924.1	846.6
-75°	1123.7	1085.6	1043.4	997.0	946.7	892.5	841.9	791.5	738.2	682.2	623.5
-77.5°	776.8	751.0	722.4	690.9	656.8	620.0	580.6	541.9	507.5	471.3	433.3
-80°	492.2	476.2	458.5	439.0	417.8	395.0	370.6	344.6	317.2	292.9	272.4
-82.5°	271.9	263.8	254.9	245.0	234.3	222.8	210.5	197.3	183.4	168.8	153.4
-85°	122.2	119.3	116.0	112.4	108.5	104.3	99.8	95.0	90.0	84.6	79.0
-87.5°	38.2	37.6	36.9	36.1	35.2	34.3	33.3	32.3	31.2	30.0	28.8
-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: P1305382 (CONVERTED FROM TYPE C PHOTOMETRY)  
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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°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	27.5	26.2	24.8	23.3	21.9	20.3	18.8	17.2	15.6	13.9	12.2
85°	73.2	67.1	60.8	54.3	47.5	40.7	37.5	34.4	31.1	27.8	24.4
82.5°	137.4	126.5	117.0	107.2	97.1	86.8	76.1	65.3	54.2	42.9	36.6
80°	251.0	228.8	205.7	181.9	157.3	132.7	118.5	104.1	89.3	74.3	59.0
77.5°	393.7	352.5	309.8	277.7	247.0	215.5	183.2	150.2	124.2	105.4	86.4
75°	562.3	510.8	459.5	406.6	352.2	298.3	259.6	220.1	179.7	138.7	113.5
72.5°	775.1	700.7	623.8	546.4	482.9	417.7	350.9	289.2	242.3	194.6	146.1
70°	1010.8	906.9	813.2	722.5	629.1	537.8	461.7	383.9	304.8	249.7	194.6
67.5°	1266.6	1149.5	1028.4	903.7	793.6	686.1	576.1	483.8	395.0	304.8	242.3
65°	1569.3	1413.2	1254.8	1116.2	973.8	836.6	714.7	590.4	483.8	383.9	289.2
62.5°	1886.5	1696.9	1519.4	1336.8	1169.2	1009.1	851.0	714.7	576.1	461.7	350.9
60°	2222.7	2009.0	1788.5	1583.6	1379.4	1186.9	1009.1	836.6	686.1	537.8	417.7
57.5°	2591.4	2327.9	2083.0	1837.7	1605.1	1379.4	1169.2	973.8	793.6	629.1	482.9
55°	2973.3	2677.0	2384.6	2107.8	1837.7	1583.6	1336.8	1116.2	903.7	722.5	546.4
52.5°	3395.9	3040.6	2705.6	2384.6	2083.0	1788.5	1519.4	1254.8	1028.4	813.2	623.8
50°	3842.0	3429.9	3040.6	2677.0	2327.9	2009.0	1696.9	1413.2	1149.5	906.9	700.7
47.5°	4308.1	3842.0	3395.9	2973.3	2591.4	2222.7	1886.5	1569.3	1266.6	1010.8	775.1
45°	4812.9	4267.8	3762.6	3294.2	2846.5	2450.0	2075.4	1719.9	1401.3	1111.0	846.6
42.5°	5318.8	4719.2	4147.7	3604.8	3126.3	2676.3	2257.3	1881.7	1531.2	1207.1	924.1
40°	5902.6	5176.8	4533.3	3949.2	3401.6	2894.2	2452.5	2039.5	1655.6	1304.9	1004.2
37.5°	6474.1	5670.1	4942.5	4279.0	3675.2	3135.8	2641.5	2189.9	1778.5	1409.7	1080.5
35°	7093.0	6180.7	5333.1	4619.3	3964.9	3365.5	2821.0	2340.1	1906.2	1509.0	1152.6
32.5°	7687.9	6687.4	5776.4	4962.0	4239.0	3582.7	3007.5	2493.1	2026.6	1602.5	1220.6
30°	8338.2	7210.7	6201.2	5284.7	4508.2	3815.9	3192.9	2636.6	2139.4	1690.0	1287.1
27.5°	8976.0	7701.5	6610.8	5633.8	4785.2	4035.7	3365.5	2770.1	2244.3	1775.6	1357.9
25°	9593.0	8225.9	7032.2	5973.6	5041.5	4239.0	3525.1	2894.2	2349.6	1860.9	1423.0
22.5°	10218.8	8732.2	7419.3	6285.3	5276.4	4425.7	3682.1	3025.4	2450.0	1938.7	1482.5
20°	10788.5	9192.3	7770.7	6575.3	5515.5	4619.3	3834.4	3143.9	2540.6	2009.0	1536.1
17.5°	11313.4	9632.1	8137.8	6863.3	5745.9	4791.8	3970.0	3249.3	2621.1	2071.3	1583.6
15°	11839.5	10045.2	8469.8	7115.4	5947.5	4942.5	4088.5	3341.3	2691.4	2125.7	1625.1
12.5°	12290.3	10398.7	8753.5	7330.7	6119.5	5071.0	4189.4	3419.6	2751.2	2172.0	1660.4
10°	12663.0	10690.7	8987.6	7508.1	6261.2	5176.8	4272.4	3484.0	2800.3	2210.0	1689.3
7.5°	12955.4	10919.6	9170.9	7647.0	6372.0	5259.5	4337.2	3534.3	2838.7	2239.7	1711.9
5°	13165.7	11084.0	9302.6	7746.7	6451.4	5318.8	4383.7	3570.4	2866.2	2261.0	1728.1
2.5°	13292.4	11183.0	9381.8	7806.7	6499.2	5354.5	4411.7	3592.1	2882.7	2273.7	1737.9
0°	13334.7	11216.1	9408.3	7826.7	6515.2	5366.4	4421.0	3599.3	2888.2	2278.0	1741.1
-2.5°	13292.4	11183.0	9381.8	7806.7	6499.2	5354.5	4411.7	3592.1	2882.7	2273.7	1737.9
-5°	13165.7	11084.0	9302.6	7746.7	6451.4	5318.8	4383.7	3570.4	2866.2	2261.0	1728.1
-7.5°	12955.4	10919.6	9170.9	7647.0	6372.0	5259.5	4337.2	3534.3	2838.7	2239.7	1711.9
-10°	12663.0	10690.7	8987.6	7508.1	6261.2	5176.8	4272.4	3484.0	2800.3	2210.0	1689.3
-12.5°	12290.3	10398.7	8753.5	7330.7	6119.5	5071.0	4189.4	3419.6	2751.2	2172.0	1660.4
-15°	11839.5	10045.2	8469.8	7115.4	5947.5	4942.5	4088.5	3341.3	2691.4	2125.7	1625.1
-17.5°	11313.4	9632.1	8137.8	6863.3	5745.9	4791.8	3970.0	3249.3	2621.1	2071.3	1583.6
-20°	10788.5	9192.3	7770.7	6575.3	5515.5	4619.3	3834.4	3143.9	2540.6	2009.0	1536.1



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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°	10218.8	8732.2	7419.3	6285.3	5276.4	4425.7	3682.1	3025.4	2450.0	1938.7	1482.5
-25°	9593.0	8225.9	7032.2	5973.6	5041.5	4239.0	3525.1	2894.2	2349.6	1860.9	1423.0
-27.5°	8976.0	7701.5	6610.8	5633.8	4785.2	4035.7	3365.5	2770.1	2244.3	1775.6	1357.9
-30°	8338.2	7210.7	6201.2	5284.7	4508.2	3815.9	3192.9	2636.6	2139.4	1690.0	1287.1
-32.5°	7687.9	6687.4	5776.4	4962.0	4239.0	3582.7	3007.5	2493.1	2026.6	1602.5	1220.6
-35°	7093.0	6180.7	5333.1	4619.3	3964.9	3365.5	2821.0	2340.1	1906.2	1509.0	1152.6
-37.5°	6474.1	5670.1	4942.5	4279.0	3675.2	3135.8	2641.5	2189.9	1778.5	1409.7	1080.5
-40°	5902.6	5176.8	4533.3	3949.2	3401.6	2894.2	2452.5	2039.5	1655.6	1304.9	1004.2
-42.5°	5318.8	4719.2	4147.7	3604.8	3126.3	2676.3	2257.3	1881.7	1531.2	1207.1	924.1
-45°	4812.9	4267.8	3762.6	3294.2	2846.5	2450.0	2075.4	1719.9	1401.3	1111.0	846.6
-47.5°	4308.1	3842.0	3395.9	2973.3	2591.4	2222.7	1886.5	1569.3	1266.6	1010.8	775.1
-50°	3842.0	3429.9	3040.6	2677.0	2327.9	2009.0	1696.9	1413.2	1149.5	906.9	700.7
-52.5°	3395.9	3040.6	2705.6	2384.6	2083.0	1788.5	1519.4	1254.8	1028.4	813.2	623.8
-55°	2973.3	2677.0	2384.6	2107.8	1837.7	1583.6	1336.8	1116.2	903.7	722.5	546.4
-57.5°	2591.4	2327.9	2083.0	1837.7	1605.1	1379.4	1169.2	973.8	793.6	629.1	482.9
-60°	2222.7	2009.0	1788.5	1583.6	1379.4	1186.9	1009.1	836.6	686.1	537.8	417.7
-62.5°	1886.5	1696.9	1519.4	1336.8	1169.2	1009.1	851.0	714.7	576.1	461.7	350.9
-65°	1569.3	1413.2	1254.8	1116.2	973.8	836.6	714.7	590.4	483.8	383.9	289.2
-67.5°	1266.6	1149.5	1028.4	903.7	793.6	686.1	576.1	483.8	395.0	304.8	242.3
-70°	1010.8	906.9	813.2	722.5	629.1	537.8	461.7	383.9	304.8	249.7	194.6
-72.5°	775.1	700.7	623.8	546.4	482.9	417.7	350.9	289.2	242.3	194.6	146.1
-75°	562.3	510.8	459.5	406.6	352.2	298.3	259.6	220.1	179.7	138.7	113.5
-77.5°	393.7	352.5	309.8	277.7	247.0	215.5	183.2	150.2	124.2	105.4	86.4
-80°	251.0	228.8	205.7	181.9	157.3	132.7	118.5	104.1	89.3	74.3	59.0
-82.5°	137.4	126.5	117.0	107.2	97.1	86.8	76.1	65.3	54.2	42.9	36.6
-85°	73.2	67.1	60.8	54.3	47.5	40.7	37.5	34.4	31.1	27.8	24.4
-87.5°	27.5	26.2	24.8	23.3	21.9	20.3	18.8	17.2	15.6	13.9	12.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**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°	10.5	8.8	7.1	5.3	3.5	1.8	0.0
85°	21.0	17.6	14.1	10.6	7.1	3.5	0.0
82.5°	31.5	26.4	21.1	15.9	10.6	5.3	0.0
80°	43.5	35.1	28.1	21.1	14.1	7.1	0.0
77.5°	67.1	47.6	35.1	26.4	17.6	8.8	0.0
75°	90.4	67.1	43.5	31.5	21.0	10.5	0.0
72.5°	113.5	86.4	59.0	36.6	24.4	12.2	0.0
70°	138.7	105.4	74.3	42.9	27.8	13.9	0.0
67.5°	179.7	124.2	89.3	54.2	31.1	15.6	0.0
65°	220.1	150.2	104.1	65.3	34.4	17.2	0.0
62.5°	259.6	183.2	118.5	76.1	37.5	18.8	0.0
60°	298.3	215.5	132.7	86.8	40.7	20.3	0.0
57.5°	352.2	247.0	157.3	97.1	47.5	21.9	0.0
55°	406.6	277.7	181.9	107.2	54.3	23.3	0.0
52.5°	459.5	309.8	205.7	117.0	60.8	24.8	0.0
50°	510.8	352.5	228.8	126.5	67.1	26.2	0.0
47.5°	562.3	393.7	251.0	137.4	73.2	27.5	0.0
45°	623.5	433.3	272.4	153.4	79.0	28.8	0.0
42.5°	682.2	471.3	292.9	168.8	84.6	30.0	0.0
40°	738.2	507.5	317.2	183.4	90.0	31.2	0.0
37.5°	791.5	541.9	344.6	197.3	95.0	32.3	0.0
35°	841.9	580.6	370.6	210.5	99.8	33.3	0.0
32.5°	892.5	620.0	395.0	222.8	104.3	34.3	0.0
30°	946.7	656.8	417.8	234.3	108.5	35.2	0.0
27.5°	997.0	690.9	439.0	245.0	112.4	36.1	0.0
25°	1043.4	722.4	458.5	254.9	116.0	36.9	0.0
22.5°	1085.6	751.0	476.2	263.8	119.3	37.6	0.0
20°	1123.7	776.8	492.2	271.9	122.2	38.2	0.0
17.5°	1157.5	799.7	506.4	279.1	124.8	38.8	0.0
15°	1186.9	819.7	518.7	285.3	127.1	39.3	0.0
12.5°	1211.9	836.6	529.2	290.6	129.0	39.7	0.0
10°	1232.5	850.5	537.8	294.9	130.6	40.1	0.0
7.5°	1248.5	861.4	544.5	298.3	131.8	40.4	0.0
5°	1260.0	869.2	549.3	300.8	132.7	40.5	0.0
2.5°	1266.9	873.8	552.2	302.2	133.2	40.7	0.0
0°	1269.2	875.4	553.2	302.7	133.4	40.7	0.0
-2.5°	1266.9	873.8	552.2	302.2	133.2	40.7	0.0
-5°	1260.0	869.2	549.3	300.8	132.7	40.5	0.0
-7.5°	1248.5	861.4	544.5	298.3	131.8	40.4	0.0
-10°	1232.5	850.5	537.8	294.9	130.6	40.1	0.0
-12.5°	1211.9	836.6	529.2	290.6	129.0	39.7	0.0
-15°	1186.9	819.7	518.7	285.3	127.1	39.3	0.0
-17.5°	1157.5	799.7	506.4	279.1	124.8	38.8	0.0
-20°	1123.7	776.8	492.2	271.9	122.2	38.2	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1085.6	751.0	476.2	263.8	119.3	37.6	0.0
-25°	1043.4	722.4	458.5	254.9	116.0	36.9	0.0
-27.5°	997.0	690.9	439.0	245.0	112.4	36.1	0.0
-30°	946.7	656.8	417.8	234.3	108.5	35.2	0.0
-32.5°	892.5	620.0	395.0	222.8	104.3	34.3	0.0
-35°	841.9	580.6	370.6	210.5	99.8	33.3	0.0
-37.5°	791.5	541.9	344.6	197.3	95.0	32.3	0.0
-40°	738.2	507.5	317.2	183.4	90.0	31.2	0.0
-42.5°	682.2	471.3	292.9	168.8	84.6	30.0	0.0
-45°	623.5	433.3	272.4	153.4	79.0	28.8	0.0
-47.5°	562.3	393.7	251.0	137.4	73.2	27.5	0.0
-50°	510.8	352.5	228.8	126.5	67.1	26.2	0.0
-52.5°	459.5	309.8	205.7	117.0	60.8	24.8	0.0
-55°	406.6	277.7	181.9	107.2	54.3	23.3	0.0
-57.5°	352.2	247.0	157.3	97.1	47.5	21.9	0.0
-60°	298.3	215.5	132.7	86.8	40.7	20.3	0.0
-62.5°	259.6	183.2	118.5	76.1	37.5	18.8	0.0
-65°	220.1	150.2	104.1	65.3	34.4	17.2	0.0
-67.5°	179.7	124.2	89.3	54.2	31.1	15.6	0.0
-70°	138.7	105.4	74.3	42.9	27.8	13.9	0.0
-72.5°	113.5	86.4	59.0	36.6	24.4	12.2	0.0
-75°	90.4	67.1	43.5	31.5	21.0	10.5	0.0
-77.5°	67.1	47.6	35.1	26.4	17.6	8.8	0.0
-80°	43.5	35.1	28.1	21.1	14.1	7.1	0.0
-82.5°	31.5	26.4	21.1	15.9	10.6	5.3	0.0
-85°	21.0	17.6	14.1	10.6	7.1	3.5	0.0
-87.5°	10.5	8.8	7.1	5.3	3.5	1.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)