

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: P902062 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-A35-NB**

Issue Date: 11/13/2024

**Test Information**

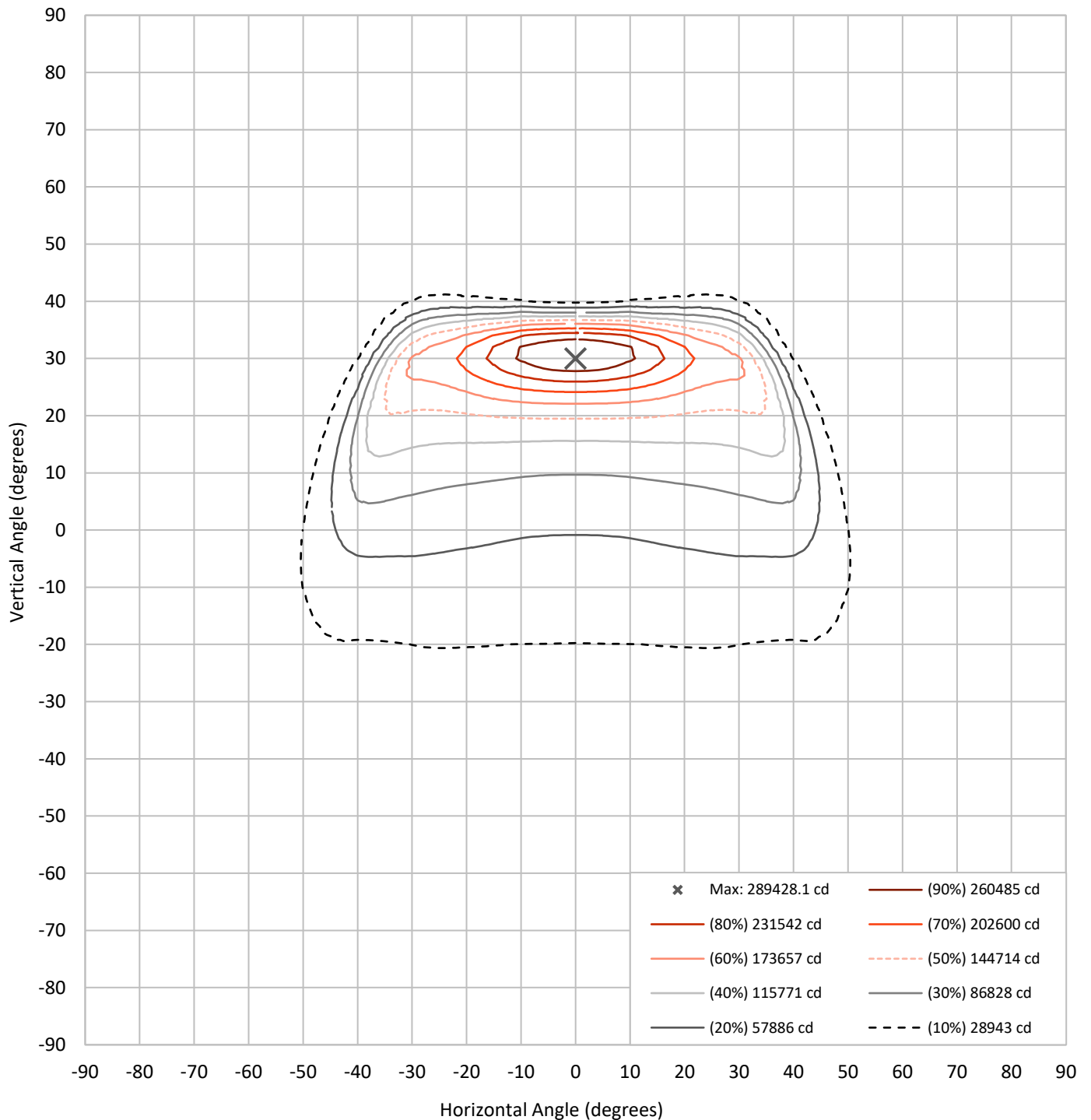
Test Method: LM-79-08  
Report Number: P902062 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( LVM2044500)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/13/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-AV-03-1360S-57-85-A35-NB  
Description: ARENAVISION LUMINAIRE  
5700K, 85 CRI LEDS AND A35-NB OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	164614.7 lumens	Max Intensity:	289428.1 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 30°V
Efficacy:	116.5 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	65.8°H x 17.2°V	Field Angle (10%):	79.7°H x 59.5°V
Beam Lumens:	59571.2 lumens	Field Lumens:	142689.7 lumens
Beam Efficiency:	36.2%	Field Efficiency:	86.7%
Input Watts (W):	1413		
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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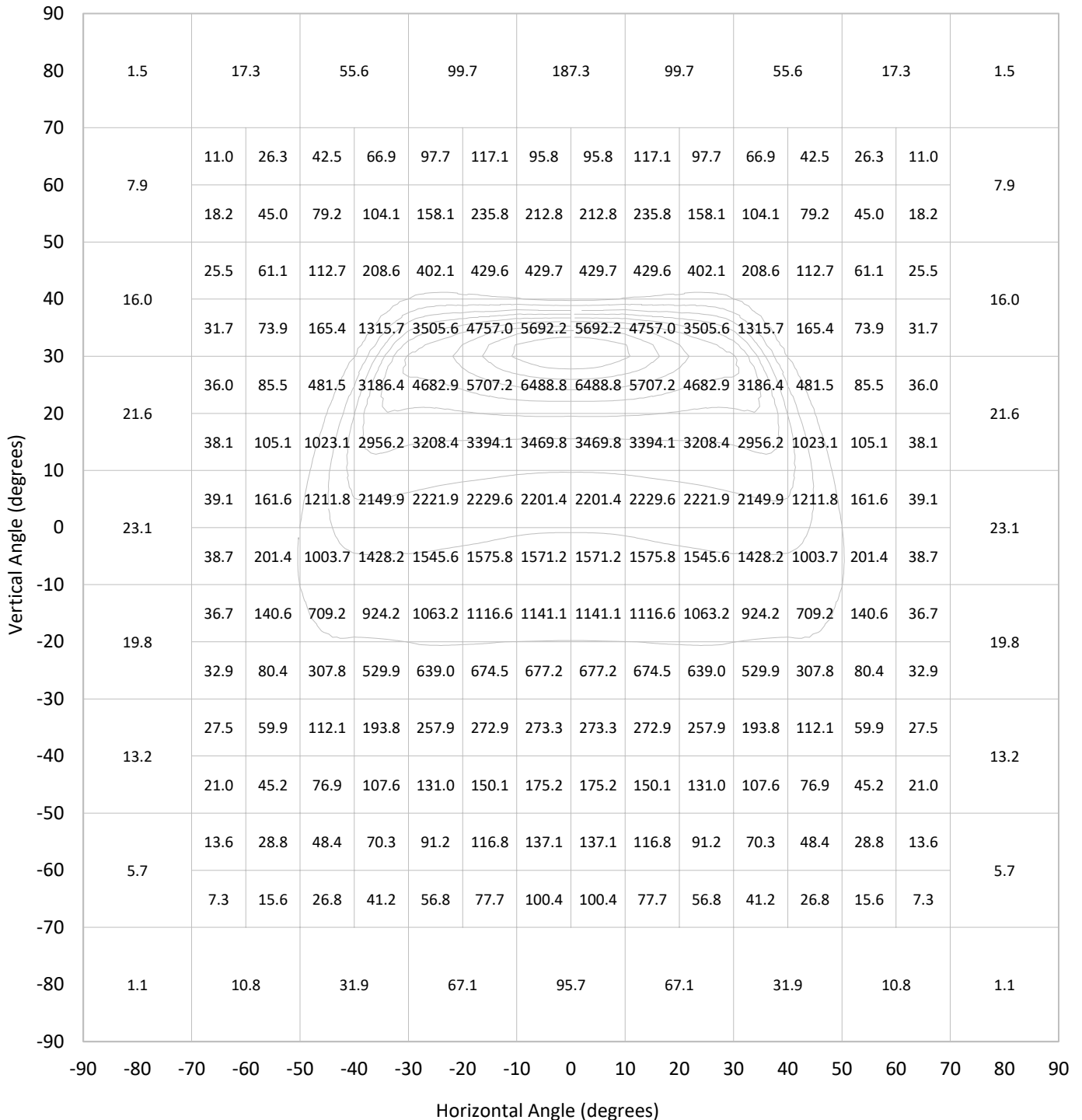
### Iso-Candela Plot





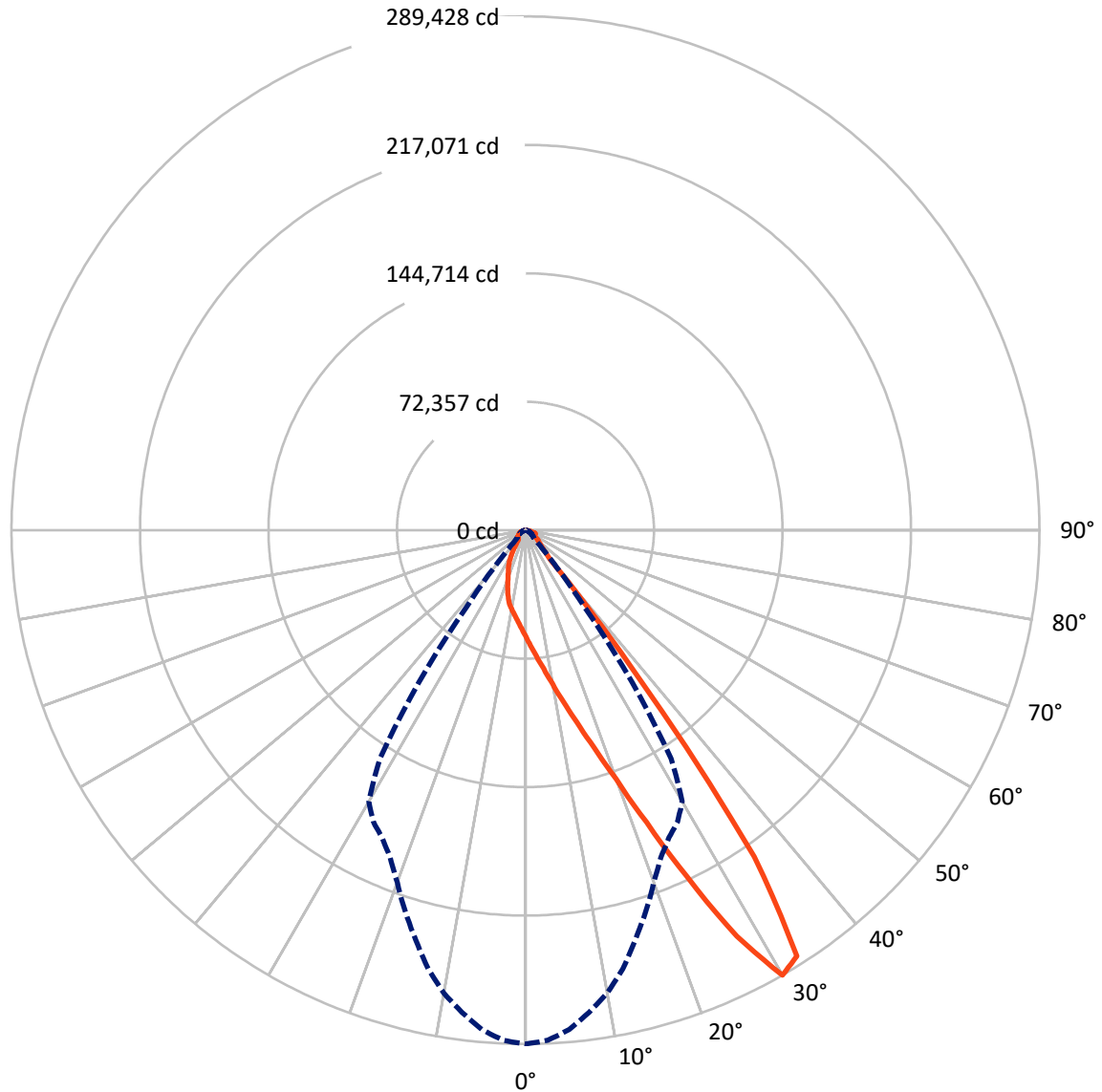
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### Lumen Table



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CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NB

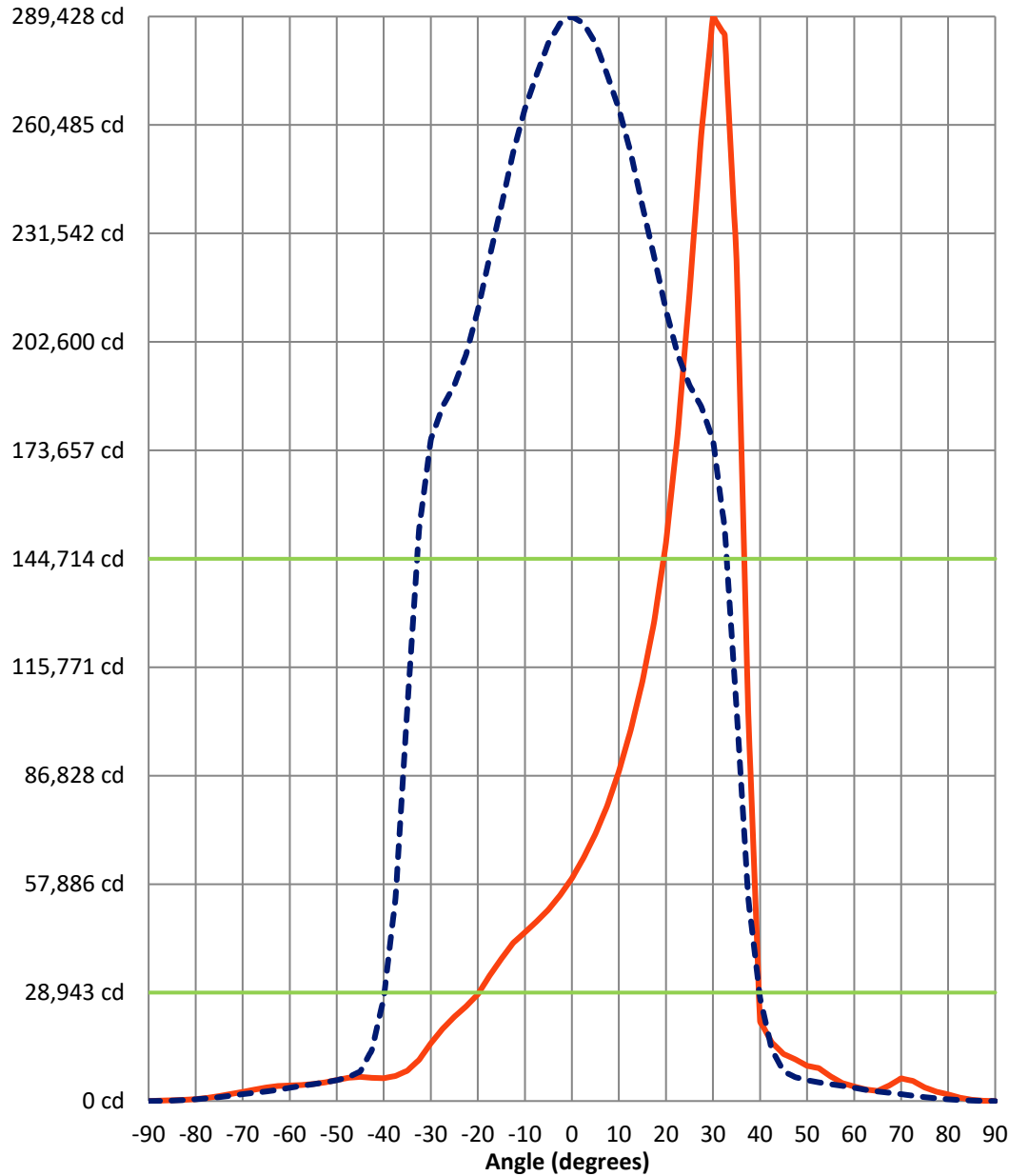
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 30-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 65.8°  
 V Angle: 17.2°  
 Lumens: 59571.2  
 Efficiency: 36.2%

**Field:**  
 H Angle: 79.7°  
 V Angle: 59.5°  
 Lumens: 142689.7  
 Efficiency: 86.7%

**Spill:**  
 Lumens: 21924.9  
 Efficiency: 13.3%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 30-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	2.2	4.2	6.3	8.2	10.2	11.9	13.7	15.6	19.5	21.6
85°	0.0	4.3	8.5	12.6	16.4	20.4	23.7	27.3	31.1	39.0	46.1
82.5°	0.0	6.5	12.7	18.8	24.6	30.5	35.6	47.9	61.4	81.0	95.5
80°	0.0	8.6	16.9	25.1	32.8	44.1	62.8	82.3	99.3	124.8	152.4
77.5°	0.0	10.8	21.0	31.3	44.4	66.2	91.3	116.3	146.9	196.6	240.2
75°	0.0	12.9	25.2	37.4	62.2	88.1	119.3	165.5	217.2	275.0	337.1
72.5°	0.0	14.9	29.3	48.3	79.5	109.9	160.8	222.5	286.0	374.5	459.1
70°	0.0	17.0	33.3	60.2	96.5	138.2	206.0	278.4	378.3	484.7	582.7
67.5°	0.0	19.0	37.3	72.0	113.0	173.0	249.7	351.9	470.7	597.2	711.4
65°	0.0	20.9	43.2	83.5	133.7	206.7	300.1	426.1	563.9	711.6	838.1
62.5°	0.0	22.9	50.4	94.7	158.2	239.1	357.6	497.8	662.1	825.3	962.6
60°	0.0	24.7	57.4	105.7	182.0	275.5	412.6	578.9	758.7	940.9	1090.9
57.5°	0.0	26.5	64.2	116.8	204.9	316.2	465.0	656.3	857.1	1053.0	1227.0
55°	0.0	28.3	70.7	133.5	227.1	354.3	524.8	728.4	955.3	1167.8	1359.9
52.5°	0.0	29.9	76.9	149.5	250.0	389.9	581.4	808.7	1052.2	1282.7	1500.1
50°	0.0	31.6	82.8	164.9	278.7	425.8	634.8	886.4	1156.3	1398.6	1632.5
47.5°	0.0	33.1	88.4	179.6	306.2	470.4	686.6	959.8	1259.9	1516.7	1770.3
45°	0.0	34.6	93.7	193.6	332.5	512.5	745.2	1037.0	1356.1	1632.5	1903.4
42.5°	0.0	36.0	98.6	206.9	357.2	552.0	800.0	1116.1	1450.0	1746.2	2029.1
40°	0.0	37.3	103.2	218.7	380.3	588.8	852.1	1187.4	1541.3	1854.0	2155.8
37.5°	0.0	38.6	107.5	229.3	401.8	622.9	901.0	1251.0	1629.8	1950.2	2273.2
35°	0.0	40.3	113.4	242.1	425.4	658.5	950.4	1309.9	1699.7	2041.6	2381.1
32.5°	0.0	42.2	119.6	255.0	448.6	693.5	998.4	1368.4	1768.5	2127.4	2473.8
30°	0.0	43.9	125.2	266.8	469.8	725.8	1041.3	1421.6	1838.0	2205.5	2555.0
27.5°	0.0	45.4	130.3	277.4	489.0	755.4	1082.8	1467.3	1896.7	2276.2	2630.3
25°	0.0	46.8	134.9	286.8	506.8	782.0	1120.6	1505.6	1940.6	2341.3	2711.5
22.5°	0.0	48.0	139.0	295.0	523.2	806.1	1153.5	1545.0	1980.2	2400.6	2776.2
20°	0.0	49.1	142.5	301.9	538.0	827.6	1182.4	1580.1	2018.9	2452.7	2829.5
17.5°	0.0	50.1	145.6	308.9	551.3	845.6	1207.5	1608.3	2048.8	2494.7	2875.0
15°	0.0	50.9	148.1	315.1	562.9	861.6	1227.4	1631.8	2068.9	2530.6	2917.9
12.5°	0.0	51.5	150.1	320.2	571.9	875.5	1242.5	1652.4	2091.4	2565.3	2957.8
10°	0.0	52.0	151.6	324.1	578.4	887.7	1252.9	1667.5	2116.2	2594.1	2988.7
7.5°	0.0	52.3	152.6	327.0	582.7	898.0	1262.9	1677.3	2134.6	2614.1	3007.5
5°	0.0	52.5	153.0	328.7	584.7	904.9	1269.4	1681.6	2146.2	2624.7	3016.3
2.5°	0.0	52.5	152.9	329.3	584.7	908.3	1271.2	1679.6	2150.8	2624.4	3009.0
0°	0.0	52.4	152.3	328.7	582.5	908.3	1268.5	1671.7	2148.0	2616.8	2994.1
-2.5°	0.0	52.3	151.3	326.7	577.6	899.3	1259.8	1658.0	2129.5	2597.7	2978.8
-5°	0.0	52.0	149.8	323.6	570.8	886.9	1246.7	1638.7	2103.3	2571.6	2955.6
-7.5°	0.0	51.6	147.8	319.3	562.0	871.0	1229.2	1614.2	2071.7	2541.7	2927.0
-10°	0.0	51.1	145.3	313.9	551.5	851.6	1207.4	1586.8	2038.9	2507.5	2889.6
-12.5°	0.0	50.4	142.3	307.4	539.1	830.5	1181.8	1554.5	1997.9	2465.5	2849.1
-15°	0.0	49.6	138.8	299.7	525.3	808.5	1152.1	1516.9	1953.1	2417.7	2802.9
-17.5°	0.0	48.7	134.9	290.9	510.2	785.3	1118.5	1476.8	1905.3	2363.9	2748.5
-20°	0.0	47.7	130.5	281.0	493.3	760.8	1081.6	1432.9	1848.8	2300.2	2684.5



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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	46.5	125.6	270.1	474.6	733.6	1043.5	1382.5	1786.5	2226.7	2612.1
-25°	0.0	45.2	120.3	258.4	454.0	705.5	1003.3	1330.0	1723.2	2146.6	2534.5
-27.5°	0.0	43.8	114.6	245.8	431.6	675.6	960.5	1279.2	1661.5	2064.0	2450.6
-30°	0.0	42.3	108.5	232.5	407.6	643.3	914.7	1221.9	1592.3	1978.0	2346.1
-32.5°	0.0	40.7	102.7	218.6	383.5	608.7	864.5	1157.8	1517.9	1889.2	2234.3
-35°	0.0	39.0	96.4	203.9	357.4	571.7	810.4	1090.8	1439.8	1792.7	2119.0
-37.5°	0.0	37.4	90.7	190.1	332.1	532.9	755.2	1027.6	1360.4	1692.9	2002.9
-40°	0.0	36.1	87.1	179.5	311.1	494.2	701.7	963.2	1274.4	1590.2	1880.7
-42.5°	0.0	34.8	83.4	168.5	289.3	454.7	647.9	892.3	1184.4	1477.7	1750.6
-45°	0.0	33.4	79.4	157.2	266.7	414.5	592.9	815.2	1090.7	1361.8	1615.4
-47.5°	0.0	31.9	75.2	145.4	243.4	373.6	534.7	740.8	997.3	1243.6	1474.4
-50°	0.0	30.4	70.8	133.3	219.5	332.1	484.5	667.5	893.0	1121.0	1329.0
-52.5°	0.0	28.8	66.3	120.7	195.0	301.6	434.6	588.3	785.6	995.6	1184.3
-55°	0.0	27.1	61.5	107.9	176.5	270.3	383.4	506.5	693.9	873.3	1036.4
-57.5°	0.0	25.4	56.6	94.6	159.0	238.2	331.0	447.0	605.0	756.7	904.9
-60°	0.0	23.7	51.6	86.5	141.1	205.2	291.4	390.0	522.1	661.4	776.3
-62.5°	0.0	21.9	46.4	78.5	122.8	177.4	250.9	331.9	448.8	564.4	663.0
-65°	0.0	20.0	41.0	70.4	104.0	154.0	209.8	284.8	371.7	468.2	553.7
-67.5°	0.0	18.1	36.3	62.1	88.7	130.1	174.9	235.7	304.1	372.7	450.0
-70°	0.0	16.2	32.5	53.6	77.3	105.8	145.8	187.2	244.2	293.5	349.5
-72.5°	0.0	14.3	28.5	45.0	65.8	86.5	116.3	152.0	186.4	229.5	272.3
-75°	0.0	12.3	24.6	36.8	54.1	71.9	89.5	116.1	146.1	172.9	204.9
-77.5°	0.0	10.3	20.5	30.8	42.3	57.2	71.9	85.5	105.7	129.8	152.3
-80°	0.0	8.2	16.5	24.7	32.8	42.3	54.1	65.2	77.2	89.9	105.0
-82.5°	0.0	6.2	12.4	18.5	24.7	30.8	36.8	44.8	53.6	62.8	71.4
-85°	0.0	4.1	8.3	12.4	16.5	20.5	24.6	28.5	32.5	36.3	41.2
-87.5°	0.0	2.1	4.1	6.2	8.2	10.3	12.3	14.3	16.2	18.2	20.1
-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°	21.9	23.2	24.9	26.6	28.2	29.8	31.3	33.0	34.9	36.3	37.0
85°	52.2	58.3	66.8	75.4	83.7	91.4	98.7	103.8	105.9	109.6	119.1
82.5°	105.3	111.4	125.3	147.0	166.3	184.4	201.9	215.7	228.5	247.5	272.0
80°	179.6	201.1	226.8	250.7	275.9	308.6	340.4	369.5	403.1	449.7	494.9
77.5°	273.3	307.9	351.9	391.2	427.9	464.3	513.5	564.7	620.6	693.6	759.9
75°	397.0	450.7	500.0	564.7	628.7	672.1	720.6	800.0	889.8	992.6	1093.3
72.5°	529.8	606.1	684.5	772.6	856.5	912.3	972.9	1068.2	1189.4	1318.6	1468.4
70°	679.2	772.7	877.2	1000.0	1095.9	1180.3	1242.4	1348.9	1485.9	1623.7	1794.4
67.5°	823.9	938.4	1078.3	1250.1	1387.8	1479.9	1526.3	1618.5	1760.9	1897.8	2068.0
65°	962.1	1101.1	1309.9	1516.9	1684.6	1794.2	1844.1	1903.4	2020.1	2164.9	2347.9
62.5°	1105.6	1295.8	1540.4	1786.5	1980.2	2117.7	2203.5	2259.1	2309.1	2462.2	2636.0
60°	1262.9	1492.1	1778.8	2059.0	2281.3	2470.0	2640.7	2742.4	2729.2	2822.4	2982.1
57.5°	1422.0	1693.0	2020.3	2336.1	2587.8	2833.2	3127.4	3360.1	3251.7	3256.9	3382.2
55°	1587.2	1897.9	2261.8	2584.9	2877.0	3178.8	3532.1	3887.8	3893.7	3832.1	3863.3
52.5°	1748.5	2102.4	2487.2	2822.4	3151.8	3493.5	3868.2	4267.1	4505.4	4492.2	4408.4
50°	1920.0	2309.4	2711.9	3048.2	3399.7	3793.6	4182.1	4593.1	4985.6	5084.0	4912.6
47.5°	2078.5	2514.1	2913.5	3252.5	3623.7	4068.3	4513.6	4931.3	5315.2	5458.3	5408.4
45°	2245.4	2702.6	3105.9	3448.9	3847.6	4328.8	4834.1	5280.1	5671.6	5877.5	5948.3
42.5°	2396.9	2880.1	3288.2	3638.0	4058.2	4571.0	5108.3	5575.5	6024.1	6370.9	6947.2
40°	2545.7	3045.9	3466.8	3824.4	4260.7	4785.5	5320.8	5855.8	6416.4	6986.5	8991.1
37.5°	2674.7	3193.7	3630.5	4007.2	4450.1	4974.2	5526.9	6131.9	6843.9	8296.7	13350.0
35°	2792.8	3322.6	3792.0	4169.8	4633.1	5155.7	5743.1	6519.0	7692.1	11482.7	20980.3
32.5°	2895.8	3436.9	3918.9	4338.3	4800.2	5359.1	6047.8	7117.7	9700.8	16900.1	32481.0
30°	2984.4	3541.7	4053.2	4497.2	4981.8	5561.2	6374.3	7908.3	13745.8	27600.3	54209.2
27.5°	3067.1	3646.6	4189.7	4669.4	5173.4	5834.0	6966.7	10780.1	21630.6	41717.3	79569.2
25°	3141.6	3727.0	4320.0	4821.6	5352.9	6085.8	7601.6	13904.6	30379.9	54925.1	103468.8
22.5°	3199.1	3790.5	4398.0	4949.6	5519.8	6526.4	9781.2	20612.8	41020.5	72781.7	117602.8
20°	3222.0	3782.4	4457.5	5051.8	5727.3	7253.1	12546.5	27582.4	50882.0	85462.5	127177.9
17.5°	3264.5	3765.8	4449.2	5135.3	5965.2	8154.9	16194.0	35309.4	61183.8	95580.0	125701.8
15°	3298.5	3786.9	4439.8	5190.7	6258.6	10381.1	22402.3	42947.7	68578.6	102239.1	123431.9
12.5°	3339.8	3788.4	4405.8	5212.9	7167.3	13467.4	28117.0	48943.9	73330.5	102266.3	114716.4
10°	3372.5	3791.8	4362.5	5369.1	8333.9	16891.9	33093.7	53097.9	76335.5	98504.9	106079.0
7.5°	3383.6	3783.9	4336.2	5613.4	9848.2	20451.3	37143.9	55450.6	76567.7	93162.0	97325.3
5°	3382.7	3775.2	4370.2	5978.6	11554.2	23891.9	39979.7	56109.2	74450.3	86487.3	88347.8
2.5°	3379.4	3789.9	4435.6	6386.3	13301.4	26919.3	41489.5	55331.0	70473.0	78903.5	79721.2
0°	3368.8	3807.8	4515.2	6785.1	14911.1	29347.8	41849.9	53341.7	65048.5	70973.6	71501.5
-2.5°	3365.4	3835.7	4592.7	7002.5	15948.6	31008.9	41338.5	50580.5	59286.2	63448.8	64011.1
-5°	3353.0	3851.9	4632.4	6985.4	16130.9	31769.7	40367.2	47269.4	53476.5	56381.2	57131.9
-7.5°	3338.4	3858.6	4632.3	6744.9	15390.6	31395.2	39336.0	43779.8	48053.0	50018.9	50796.6
-10°	3310.1	3838.7	4589.6	6296.7	13754.1	29552.2	38424.8	40911.3	43529.0	44875.9	45466.8
-12.5°	3266.5	3791.7	4539.6	5741.9	11282.7	25973.9	36691.5	38681.7	39678.8	40527.7	41050.2
-15°	3209.9	3707.5	4429.1	5489.9	8397.5	20462.4	33210.7	36116.2	36008.1	36186.9	36435.9
-17.5°	3135.5	3598.6	4268.1	5211.6	7258.2	14740.9	27795.3	32417.7	32148.9	31874.2	32006.6
-20°	3059.2	3482.6	4079.3	4891.0	6282.8	10768.8	19938.6	26890.5	28016.0	27540.9	27675.8



REPORT NUMBER: P902062 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NB

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2979.4	3385.6	3904.2	4562.0	5507.9	7704.3	13263.1	20051.2	23649.0	24340.0	24493.9
-25°	2890.4	3274.7	3748.0	4315.7	5035.6	6089.3	8694.8	13595.0	18275.8	20635.1	21295.2
-27.5°	2787.6	3150.7	3563.9	4059.6	4641.0	5403.1	6706.5	9066.4	12210.4	14950.7	16785.0
-30°	2678.2	3009.6	3382.7	3803.0	4269.1	4833.1	5519.4	6514.1	8136.9	10100.3	11930.6
-32.5°	2557.3	2865.6	3214.0	3591.4	3985.3	4438.8	4965.2	5569.7	6292.3	7216.9	8153.2
-35°	2427.9	2715.8	3036.4	3385.6	3735.0	4103.7	4520.0	4956.1	5415.7	5942.5	6472.7
-37.5°	2295.7	2569.5	2866.9	3187.1	3513.7	3849.7	4190.2	4527.8	4868.5	5185.8	5508.8
-40°	2159.6	2423.1	2693.2	2983.0	3290.2	3604.6	3909.0	4195.0	4467.8	4700.9	4930.2
-42.5°	2015.0	2268.4	2519.9	2783.2	3062.9	3354.4	3631.9	3889.0	4131.4	4351.9	4542.7
-45°	1862.2	2099.7	2340.0	2571.4	2827.3	3094.2	3354.5	3599.0	3816.2	4020.1	4192.5
-47.5°	1703.4	1920.0	2141.6	2351.7	2578.2	2812.9	3045.5	3273.2	3477.9	3655.8	3808.8
-50°	1536.0	1733.1	1919.1	2106.3	2300.1	2502.8	2702.3	2907.5	3101.9	3266.2	3402.8
-52.5°	1361.4	1539.3	1694.8	1848.0	2010.3	2187.5	2355.7	2536.4	2715.6	2877.1	3016.9
-55°	1196.5	1351.1	1472.4	1614.7	1742.5	1898.5	2051.7	2197.2	2364.0	2522.7	2670.1
-57.5°	1040.6	1176.6	1296.1	1413.4	1532.4	1668.8	1803.0	1923.9	2064.4	2213.8	2358.3
-60°	900.7	1018.7	1124.0	1230.0	1341.5	1457.1	1586.9	1690.6	1804.1	1924.6	2064.8
-62.5°	769.9	870.8	959.7	1048.9	1138.0	1243.5	1354.9	1460.3	1558.3	1663.2	1779.7
-65°	646.1	726.6	802.8	870.5	948.2	1041.9	1145.5	1232.6	1328.9	1427.1	1516.1
-67.5°	525.5	595.2	650.6	711.5	776.8	857.4	944.8	1010.7	1089.8	1186.3	1281.3
-70°	416.7	466.8	514.2	568.5	620.4	686.1	753.1	803.3	866.1	940.9	1018.7
-72.5°	309.7	357.2	397.2	438.8	481.6	529.0	577.5	620.1	664.8	716.1	773.2
-75°	238.0	266.5	292.3	325.2	357.7	390.0	425.1	461.2	490.9	522.4	558.9
-77.5°	172.1	193.8	214.4	234.6	254.6	275.2	304.5	326.7	345.9	369.2	393.4
-80°	124.0	140.1	149.0	164.6	178.6	195.7	212.1	223.5	235.3	248.5	271.5
-82.5°	84.6	94.1	97.3	114.3	124.3	133.3	142.0	149.4	161.9	171.3	182.0
-85°	54.5	62.7	67.5	76.5	81.1	85.2	89.3	93.7	102.7	108.2	110.6
-87.5°	26.9	31.3	35.3	39.8	42.2	44.6	46.9	49.0	50.6	52.5	54.3
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902062 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NB

**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°	39.8	42.5	44.7	46.5	48.6	50.3	52.6	55.7	60.8	65.1	68.6
85°	124.3	128.7	135.3	150.6	163.8	170.7	192.6	210.0	232.1	260.9	289.3
82.5°	281.7	287.7	300.8	332.9	360.0	384.1	432.3	491.6	549.9	621.3	704.4
80°	508.1	508.7	530.6	566.7	603.5	663.5	743.6	875.6	1003.3	1145.5	1299.3
77.5°	782.1	792.4	821.8	837.1	872.1	938.8	1043.8	1236.2	1437.9	1613.2	1758.2
75°	1182.5	1257.8	1296.5	1240.2	1183.3	1216.7	1331.5	1523.2	1746.7	1920.9	2069.8
72.5°	1634.1	1817.7	1937.6	1833.5	1624.9	1540.6	1565.7	1664.7	1833.1	1993.2	2122.4
70°	2001.6	2289.2	2565.6	2541.6	2240.4	2012.2	1865.1	1793.9	1867.7	1997.3	2106.1
67.5°	2294.1	2670.5	3072.7	3073.0	2850.6	2709.4	2665.9	2597.0	2366.9	2185.4	2193.1
65°	2598.7	2979.3	3551.4	3725.5	3371.0	3389.0	4058.5	4358.1	3791.9	3315.9	2994.7
62.5°	2846.4	3214.9	3865.1	4316.4	3780.2	4030.7	5526.5	6454.8	5483.4	4706.8	4184.7
60°	3160.7	3468.8	4007.0	4550.2	4439.7	4838.9	6509.6	8360.8	7473.1	6188.2	5253.8
57.5°	3532.1	3806.0	4190.7	4657.6	5034.2	5550.7	6540.8	8462.8	8916.0	7381.4	6029.3
55°	4003.7	4307.7	4738.3	5064.0	5457.1	6148.2	6665.9	7499.2	8256.8	8233.5	7741.6
52.5°	4545.3	4907.0	5403.5	5802.1	6104.9	6762.5	7452.3	7982.5	8280.0	8701.1	8889.5
50°	5015.8	5465.4	6007.7	6485.8	6874.1	7415.0	8118.0	9165.6	9912.5	9874.2	10064.5
47.5°	5634.7	6252.4	6828.7	7513.9	7774.2	8234.5	8711.3	9416.8	10212.9	10826.9	11477.5
45°	6734.5	8066.6	9175.4	10571.3	10744.2	11136.0	10891.5	10968.9	11239.3	11613.7	12057.0
42.5°	9091.6	12366.9	15712.8	18475.3	19046.4	19502.8	17806.1	16618.7	15523.3	14734.1	15206.7
40°	14165.2	21348.3	29138.0	35896.6	37395.1	38272.0	34135.9	35523.6	31860.6	31640.9	30375.9
37.5°	23252.9	36441.3	56981.3	72788.9	79073.9	86475.1	86800.9	93850.0	91678.3	98913.6	106401.3
35°	38146.5	68987.8	105797.2	127787.5	141719.7	149216.3	161185.8	171961.2	187023.4	196449.7	208456.9
32.5°	65662.2	117183.4	151548.7	168777.6	179042.8	187817.1	200890.4	215631.1	230838.1	245922.4	261068.3
30°	104765.1	152457.9	176400.7	185317.9	191032.0	199245.9	211110.3	225241.9	238856.4	253091.9	264766.2
27.5°	133566.6	168472.2	179475.4	181183.5	184804.1	191473.5	201002.9	211820.6	222071.3	232926.2	240825.3
25°	150034.6	166490.9	167306.6	167198.6	169538.0	174178.5	180474.9	187523.7	194645.3	201014.0	206326.8
22.5°	148347.1	155311.8	153416.8	152358.9	153626.7	156311.2	160176.4	164604.3	168561.4	171869.3	174589.2
20°	144160.7	143434.9	140157.5	138786.6	139060.1	140150.2	142339.0	144226.4	146054.7	147464.7	148037.0
17.5°	134119.5	131337.2	128220.1	126641.0	126118.7	126376.8	126863.7	127600.3	127951.4	128038.8	128007.4
15°	124478.9	120578.2	117844.8	116142.2	115094.0	114476.7	114320.2	114157.3	113687.1	113310.8	112525.3
12.5°	114255.8	110755.2	108310.2	106455.5	105076.7	104113.6	103484.7	102752.0	102006.7	100989.3	100252.8
10°	104610.8	101368.8	99392.8	97534.5	95978.4	94793.2	93733.5	92858.3	91609.1	90578.5	89520.4
7.5°	95273.8	92736.2	91059.1	89238.8	87580.8	86205.9	85146.5	84058.9	82858.6	81634.0	80515.1
5°	86588.3	84679.8	83231.7	81524.6	79891.4	78582.6	77496.5	76378.1	75187.3	73952.2	72883.7
2.5°	78395.3	77001.7	75937.9	74522.9	73022.6	71718.2	70724.0	69583.5	68421.1	67236.2	66211.4
0°	70555.0	69758.6	69153.3	67892.7	66586.7	65403.5	64511.5	63565.0	62548.7	61493.6	60586.5
-2.5°	63427.9	62980.4	62672.4	61858.1	60911.6	59926.9	59136.9	58347.6	57509.0	56654.5	55870.5
-5°	56794.5	56742.6	56866.4	56430.4	55792.1	55071.0	54462.7	53959.2	53322.7	52639.4	52012.9
-7.5°	50867.4	51103.0	51425.0	51334.3	51141.6	50640.6	50258.7	49942.3	49626.9	49255.6	48913.3
-10°	45918.7	46278.2	46859.3	46842.6	46664.1	46457.1	46191.9	45893.9	45722.0	45502.8	45457.7
-12.5°	41594.3	42223.9	42994.0	43227.3	43172.9	43018.6	42810.3	42596.3	42401.7	42297.0	42227.3
-15°	36872.0	37518.4	38416.8	38793.1	38742.2	38642.2	38517.9	38341.0	38150.8	37968.1	37951.8
-17.5°	32407.1	32999.6	33959.3	34457.7	34506.9	34414.8	34321.9	34095.0	33826.8	33692.6	33656.7
-20°	27936.5	28437.2	29052.8	29668.1	29768.1	29687.4	29528.0	29450.5	29250.3	28953.8	28825.8



REPORT NUMBER: P902062 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NB

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	24811.8	25280.9	25836.3	26373.4	26582.7	26603.6	26496.4	26287.2	26090.9	25821.1	25587.8
-25°	21929.9	22383.9	22924.3	23457.1	23734.0	23794.0	23689.8	23621.6	23382.1	23168.8	22933.4
-27.5°	17920.1	18729.7	19335.3	19864.2	20195.0	20298.2	20300.3	20203.9	19952.3	19814.1	19501.3
-30°	13251.3	14258.9	14980.1	15392.7	15840.2	15949.9	16003.4	15907.0	15626.5	15386.1	15174.7
-32.5°	9190.9	10140.8	10963.6	11406.9	11639.9	11841.7	11941.5	11716.0	11446.7	11180.7	10857.9
-35°	6957.0	7498.1	8081.0	8367.8	8474.0	8745.5	8740.4	8629.9	8324.8	8184.9	7887.0
-37.5°	5842.0	6111.0	6414.0	6566.7	6510.6	6787.9	6879.2	6797.8	6586.4	6537.8	6442.8
-40°	5162.4	5341.4	5463.2	5587.4	5652.6	5817.7	5921.1	5884.4	5796.9	5719.8	5669.5
-42.5°	4711.7	4833.0	4900.1	4999.9	5067.9	5239.6	5315.8	5337.3	5332.0	5297.5	5330.2
-45°	4343.8	4454.0	4532.5	4604.7	4693.5	4783.8	4915.9	4951.2	5032.9	5098.8	5239.2
-47.5°	3951.1	4063.4	4163.7	4250.5	4340.7	4419.6	4567.9	4742.1	4819.7	4942.6	5179.4
-50°	3533.6	3652.3	3772.4	3874.1	3983.1	4101.8	4279.2	4457.1	4575.0	4792.0	5102.8
-52.5°	3133.9	3261.0	3367.1	3460.7	3572.6	3772.5	3976.6	4215.7	4341.4	4528.4	4609.9
-55°	2781.2	2912.9	3013.3	3115.8	3263.4	3428.8	3605.8	3786.5	3990.4	4157.9	4165.8
-57.5°	2490.6	2610.2	2726.8	2852.6	2979.4	3097.3	3219.0	3356.5	3736.1	3782.7	3889.0
-60°	2210.1	2335.0	2460.0	2574.3	2685.3	2777.0	2873.9	3043.7	3467.4	3513.8	3693.7
-62.5°	1928.6	2060.0	2173.7	2275.3	2377.8	2471.2	2593.4	2800.6	3119.9	3232.1	3442.2
-65°	1642.7	1768.8	1870.5	1968.0	2064.5	2164.3	2289.4	2471.9	2700.0	2858.7	3072.6
-67.5°	1372.7	1477.8	1566.9	1644.9	1747.1	1834.8	1938.4	2083.3	2254.4	2429.7	2627.7
-70°	1095.7	1184.2	1267.0	1341.6	1409.7	1485.8	1575.2	1701.8	1838.6	1973.7	2114.3
-72.5°	836.9	905.0	968.5	1029.8	1089.1	1156.5	1238.0	1334.3	1436.5	1533.3	1647.8
-75°	613.2	666.4	711.2	762.0	813.7	869.6	936.9	1009.9	1093.6	1161.0	1231.7
-77.5°	426.6	464.4	494.4	535.5	575.9	616.6	662.7	709.4	765.3	810.8	851.8
-80°	290.0	308.6	331.9	357.1	381.2	403.8	429.3	458.8	490.6	520.1	532.3
-82.5°	190.3	198.4	211.8	231.8	254.3	270.6	289.6	300.2	321.0	327.9	331.6
-85°	116.4	122.3	125.6	141.3	161.2	168.2	187.2	190.9	195.1	198.3	201.5
-87.5°	61.2	69.5	70.8	73.9	82.1	83.6	90.9	92.2	97.3	104.2	116.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902062 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NB

**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°	70.6	73.2	77.7	77.6	77.7	73.2	70.6	68.6	65.1	60.8	55.7
85°	313.1	327.2	346.5	350.7	346.5	327.2	313.1	289.3	260.9	232.1	210.0
82.5°	769.5	817.8	872.1	896.3	872.1	817.8	769.5	704.4	621.3	549.9	491.6
80°	1407.0	1532.2	1710.4	1765.7	1710.4	1532.2	1407.0	1299.3	1145.5	1003.3	875.6
77.5°	1887.2	2027.3	2301.7	2498.7	2301.7	2027.3	1887.2	1758.2	1613.2	1437.9	1236.2
75°	2261.5	2533.7	3108.3	3637.7	3108.3	2533.7	2261.5	2069.8	1920.9	1746.7	1523.2
72.5°	2276.2	2759.8	4045.6	5361.5	4045.6	2759.8	2276.2	2122.4	1993.2	1833.1	1664.7
70°	2183.9	2536.1	4089.9	6043.4	4089.9	2536.1	2183.9	2106.1	1997.3	1867.7	1793.9
67.5°	2223.4	2292.1	2993.3	4172.2	2993.3	2292.1	2223.4	2193.1	2185.4	2366.9	2597.0
65°	2758.0	2600.3	2596.5	2703.3	2596.5	2600.3	2758.0	2994.7	3315.9	3791.9	4358.1
62.5°	3749.6	3411.6	3180.8	3077.8	3180.8	3411.6	3749.6	4184.7	4706.8	5483.4	6454.8
60°	4607.3	4192.3	3963.1	3884.1	3963.1	4192.3	4607.3	5253.8	6188.2	7473.1	8360.8
57.5°	5376.2	5011.6	4841.5	4798.2	4841.5	5011.6	5376.2	6029.3	7381.4	8916.0	8462.8
55°	7274.9	6866.3	6648.8	6588.9	6648.8	6866.3	7274.9	7741.6	8233.5	8256.8	7499.2
52.5°	8938.1	8912.4	8835.8	8763.6	8835.8	8912.4	8938.1	8889.5	8701.1	8280.0	7982.5
50°	10078.9	9765.6	9576.8	9415.5	9576.8	9765.6	10078.9	10064.5	9874.2	9912.5	9165.6
47.5°	11829.7	11559.9	11385.3	11126.1	11385.3	11559.9	11829.7	11477.5	10826.9	10212.9	9416.8
45°	12516.0	12728.5	12702.8	12561.2	12702.8	12728.5	12516.0	12057.0	11613.7	11239.3	10968.9
42.5°	15316.0	15546.7	15631.7	15636.4	15631.7	15546.7	15316.0	15206.7	14734.1	15523.3	16618.7
40°	27176.2	23312.5	21683.3	21388.6	21683.3	23312.5	27176.2	30375.9	31640.9	31860.6	35523.6
37.5°	104854.6	102640.1	103553.6	103516.1	103553.6	102640.1	104854.6	106401.3	98913.6	91678.3	93850.0
35°	216733.6	220965.7	223793.2	224470.6	223793.2	220965.7	216733.6	208456.9	196449.7	187023.4	171961.2
32.5°	269174.8	277064.8	282367.6	284413.2	282367.6	277064.8	269174.8	261068.3	245922.4	230838.1	215631.1
30°	273932.8	282349.4	287596.6	289428.1	287596.6	282349.4	273932.8	264766.2	253091.9	238856.4	225241.9
27.5°	248265.0	254552.3	256916.5	257782.2	256916.5	254552.3	248265.0	240825.3	232926.2	222071.3	211820.6
25°	210090.5	213319.8	214939.2	215469.2	214939.2	213319.8	210090.5	206326.8	201014.0	194645.3	187523.7
22.5°	176455.1	177692.3	178009.5	178125.7	178009.5	177692.3	176455.1	174589.2	171869.3	168561.4	164604.3
20°	148993.0	149425.8	149289.6	149010.0	149289.6	149425.8	148993.0	148037.0	147464.7	146054.7	144226.4
17.5°	128145.5	127695.8	127669.9	128003.7	127669.9	127695.8	128145.5	128007.4	128038.8	127951.4	127600.3
15°	112302.1	111884.7	111647.6	112039.7	111647.6	111884.7	112302.1	112525.3	113310.8	113687.1	114157.3
12.5°	99638.2	99088.1	98861.5	98997.1	98861.5	99088.1	99638.2	100252.8	100989.3	102006.7	102752.0
10°	88755.4	88242.2	87961.2	88016.2	87961.2	88242.2	88755.4	89520.4	90578.5	91609.1	92858.3
7.5°	79651.1	79154.9	78782.8	78776.5	78782.8	79154.9	79651.1	80515.1	81634.0	82858.6	84058.9
5°	72130.8	71659.3	71383.1	71293.3	71383.1	71659.3	72130.8	72883.7	73952.2	75187.3	76378.1
2.5°	65485.2	65188.8	64992.5	64962.1	64992.5	65188.8	65485.2	66211.4	67236.2	68421.1	69583.5
0°	59990.4	59674.1	59458.5	59432.9	59458.5	59674.1	59990.4	60586.5	61493.6	62548.7	63565.0
-2.5°	55293.8	55050.9	54916.8	54945.8	54916.8	55050.9	55293.8	55870.5	56654.5	57509.0	58347.6
-5°	51547.2	51263.6	51054.1	51082.2	51054.1	51263.6	51547.2	52012.9	52639.4	53322.7	53959.2
-7.5°	48556.7	48218.2	48078.8	47925.1	48078.8	48218.2	48556.7	48913.3	49255.6	49626.9	49942.3
-10°	45393.8	45336.3	45134.2	45011.5	45134.2	45336.3	45393.8	45457.7	45502.8	45722.0	45893.9
-12.5°	42247.9	42276.4	42204.2	42174.5	42204.2	42276.4	42247.9	42227.3	42297.0	42401.7	42596.3
-15°	38002.9	37749.7	37895.9	37956.3	37895.9	37749.7	38002.9	37951.8	37968.1	38150.8	38341.0
-17.5°	33464.5	33520.7	33471.7	33457.2	33471.7	33520.7	33464.5	33656.7	33692.6	33826.8	34095.0
-20°	28735.1	28709.9	28526.0	28487.7	28526.0	28709.9	28735.1	28825.8	28953.8	29250.3	29450.5



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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°	25419.0	25331.8	25327.9	25265.8	25327.9	25331.8	25419.0	25587.8	25821.1	26090.9	26287.2
-25°	22826.2	22647.3	22549.5	22480.7	22549.5	22647.3	22826.2	22933.4	23168.8	23382.1	23621.6
-27.5°	19376.5	19381.3	19324.4	19258.8	19324.4	19381.3	19376.5	19501.3	19814.1	19952.3	20203.9
-30°	15149.8	15255.8	15346.9	15399.8	15346.9	15255.8	15149.8	15174.7	15386.1	15626.5	15907.0
-32.5°	10899.3	10976.4	11038.9	10990.1	11038.9	10976.4	10899.3	10857.9	11180.7	11446.7	11716.0
-35°	7905.1	8056.2	8072.1	8100.3	8072.1	8056.2	7905.1	7887.0	8184.9	8324.8	8629.9
-37.5°	6415.5	6549.7	6633.7	6698.7	6633.7	6549.7	6415.5	6442.8	6537.8	6586.4	6797.8
-40°	5725.3	5868.3	6013.7	6098.0	6013.7	5868.3	5725.3	5669.5	5719.8	5796.9	5884.4
-42.5°	5441.3	5686.9	6045.7	6198.1	6045.7	5686.9	5441.3	5330.2	5297.5	5332.0	5337.3
-45°	5388.6	5915.1	6299.8	6450.7	6299.8	5915.1	5388.6	5239.2	5098.8	5032.9	4951.2
-47.5°	5643.9	5978.5	6199.8	6216.9	6199.8	5978.5	5643.9	5179.4	4942.6	4819.7	4742.1
-50°	5239.2	5437.9	5623.4	5611.1	5623.4	5437.9	5239.2	5102.8	4792.0	4575.0	4457.1
-52.5°	4699.8	4909.4	4957.5	4976.8	4957.5	4909.4	4699.8	4609.9	4528.4	4341.4	4215.7
-55°	4350.8	4463.2	4497.1	4552.5	4497.1	4463.2	4350.8	4165.8	4157.9	3990.4	3786.5
-57.5°	4067.5	4165.2	4228.0	4274.0	4228.0	4165.2	4067.5	3889.0	3782.7	3736.1	3356.5
-60°	3882.1	4016.5	4118.6	4153.7	4118.6	4016.5	3882.1	3693.7	3513.8	3467.4	3043.7
-62.5°	3656.6	3838.1	3967.3	4013.8	3967.3	3838.1	3656.6	3442.2	3232.1	3119.9	2800.6
-65°	3280.4	3454.8	3568.8	3611.1	3568.8	3454.8	3280.4	3072.6	2858.7	2700.0	2471.9
-67.5°	2785.5	2922.6	3012.6	3042.5	3012.6	2922.6	2785.5	2627.7	2429.7	2254.4	2083.3
-70°	2239.2	2355.6	2427.9	2439.2	2427.9	2355.6	2239.2	2114.3	1973.7	1838.6	1701.8
-72.5°	1736.7	1816.9	1869.8	1885.1	1869.8	1816.9	1736.7	1647.8	1533.3	1436.5	1334.3
-75°	1276.5	1312.4	1336.3	1326.5	1336.3	1312.4	1276.5	1231.7	1161.0	1093.6	1009.9
-77.5°	867.8	872.1	856.1	845.8	856.1	872.1	867.8	851.8	810.8	765.3	709.4
-80°	538.8	534.0	514.7	509.7	514.7	534.0	538.8	532.3	520.1	490.6	458.8
-82.5°	341.8	337.6	328.2	325.1	328.2	337.6	341.8	331.6	327.9	321.0	300.2
-85°	205.1	211.8	211.7	211.5	211.7	211.8	205.1	201.5	198.3	195.1	190.9
-87.5°	117.2	121.8	122.3	122.5	122.3	121.8	117.2	116.6	104.2	97.3	92.2
-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):**

	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°	52.6	50.3	48.6	46.5	44.7	42.5	39.8	37.0	36.3	34.9	33.0
85°	192.6	170.7	163.8	150.6	135.3	128.7	124.3	119.1	109.6	105.9	103.8
82.5°	432.3	384.1	360.0	332.9	300.8	287.7	281.7	272.0	247.5	228.5	215.7
80°	743.6	663.5	603.5	566.7	530.6	508.7	508.1	494.9	449.7	403.1	369.5
77.5°	1043.8	938.8	872.1	837.1	821.8	792.4	782.1	759.9	693.6	620.6	564.7
75°	1331.5	1216.7	1183.3	1240.2	1296.5	1257.8	1182.5	1093.3	992.6	889.8	800.0
72.5°	1565.7	1540.6	1624.9	1833.5	1937.6	1817.7	1634.1	1468.4	1318.6	1189.4	1068.2
70°	1865.1	2012.2	2240.4	2541.6	2565.6	2289.2	2001.6	1794.4	1623.7	1485.9	1348.9
67.5°	2665.9	2709.4	2850.6	3073.0	3072.7	2670.5	2294.1	2068.0	1897.8	1760.9	1618.5
65°	4058.5	3389.0	3371.0	3725.5	3551.4	2979.3	2598.7	2347.9	2164.9	2020.1	1903.4
62.5°	5526.5	4030.7	3780.2	4316.4	3865.1	3214.9	2846.4	2636.0	2462.2	2309.1	2259.1
60°	6509.6	4838.9	4439.7	4550.2	4007.0	3468.8	3160.7	2982.1	2822.4	2729.2	2742.4
57.5°	6540.8	5550.7	5034.2	4657.6	4190.7	3806.0	3532.1	3382.2	3256.9	3251.7	3360.1
55°	6665.9	6148.2	5457.1	5064.0	4738.3	4307.7	4003.7	3863.3	3832.1	3893.7	3887.8
52.5°	7452.3	6762.5	6104.9	5802.1	5403.5	4907.0	4545.3	4408.4	4492.2	4505.4	4267.1
50°	8118.0	7415.0	6874.1	6485.8	6007.7	5465.4	5015.8	4912.6	5084.0	4985.6	4593.1
47.5°	8711.3	8234.5	7774.2	7513.9	6828.7	6252.4	5634.7	5408.4	5458.3	5315.2	4931.3
45°	10891.5	11136.0	10744.2	10571.3	9175.4	8066.6	6734.5	5948.3	5877.5	5671.6	5280.1
42.5°	17806.1	19502.8	19046.4	18475.3	15712.8	12366.9	9091.6	6947.2	6370.9	6024.1	5575.5
40°	34135.9	38272.0	37395.1	35896.6	29138.0	21348.3	14165.2	8991.1	6986.5	6416.4	5855.8
37.5°	86800.9	86475.1	79073.9	72788.9	56981.3	36441.3	23252.9	13350.0	8296.7	6843.9	6131.9
35°	161185.8	149216.3	141719.7	127787.5	105797.2	68987.8	38146.5	20980.3	11482.7	7692.1	6519.0
32.5°	200890.4	187817.1	179042.8	168777.6	151548.7	117183.4	65662.2	32481.0	16900.1	9700.8	7117.7
30°	211110.3	199245.9	191032.0	185317.9	176400.7	152457.9	104765.1	54209.2	27600.3	13745.8	7908.3
27.5°	201002.9	191473.5	184804.1	181183.5	179475.4	168472.2	133566.6	79569.2	41717.3	21630.6	10780.1
25°	180474.9	174178.5	169538.0	167198.6	167306.6	166490.9	150034.6	103468.8	54925.1	30379.9	13904.6
22.5°	160176.4	156311.2	153626.7	152358.9	153416.8	155311.8	148347.1	117602.8	72781.7	41020.5	20612.8
20°	142339.0	140150.2	139060.1	138786.6	140157.5	143434.9	144160.7	127177.9	85462.5	50882.0	27582.4
17.5°	126863.7	126376.8	126118.7	126641.0	128220.1	131337.2	134119.5	125701.8	95580.0	61183.8	35309.4
15°	114320.2	114476.7	115094.0	116142.2	117844.8	120578.2	124478.9	123431.9	102239.1	68578.6	42947.7
12.5°	103484.7	104113.6	105076.7	106455.5	108310.2	110755.2	114255.8	114716.4	102266.3	73330.5	48943.9
10°	93733.5	94793.2	95978.4	97534.5	99392.8	101368.8	104610.8	106079.0	98504.9	76335.5	53097.9
7.5°	85146.5	86205.9	87580.8	89238.8	91059.1	92736.2	95273.8	97325.3	93162.0	76567.7	55450.6
5°	77496.5	78582.6	79891.4	81524.6	83231.7	84679.8	86588.3	88347.8	86487.3	74450.3	56109.2
2.5°	70724.0	71718.2	73022.6	74522.9	75937.9	77001.7	78395.3	79721.2	78903.5	70473.0	55331.0
0°	64511.5	65403.5	66586.7	67892.7	69153.3	69758.6	70555.0	71501.5	70973.6	65048.5	53341.7
-2.5°	59136.9	59926.9	60911.6	61858.1	62672.4	62980.4	63427.9	64011.1	63448.8	59286.2	50580.5
-5°	54462.7	55071.0	55792.1	56430.4	56866.4	56742.6	56794.5	57131.9	56381.2	53476.5	47269.4
-7.5°	50258.7	50640.6	51141.6	51334.3	51425.0	51103.0	50867.4	50796.6	50018.9	48053.0	43779.8
-10°	46191.9	46457.1	46664.1	46842.6	46859.3	46278.2	45918.7	45466.8	44875.9	43529.0	40911.3
-12.5°	42810.3	43018.6	43172.9	43227.3	42994.0	42223.9	41594.3	41050.2	40527.7	39678.8	38681.7
-15°	38517.9	38642.2	38742.2	38793.1	38416.8	37518.4	36872.0	36435.9	36186.9	36008.1	36116.2
-17.5°	34321.9	34414.8	34506.9	34457.7	33959.3	32999.6	32407.1	32006.6	31874.2	32148.9	32417.7
-20°	29528.0	29687.4	29768.1	29668.1	29052.8	28437.2	27936.5	27675.8	27540.9	28016.0	26890.5



REPORT NUMBER: P902062 (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°
-22.5°	26496.4	26603.6	26582.7	26373.4	25836.3	25280.9	24811.8	24493.9	24340.0	23649.0	20051.2
-25°	23689.8	23794.0	23734.0	23457.1	22924.3	22383.9	21929.9	21295.2	20635.1	18275.8	13595.0
-27.5°	20300.3	20298.2	20195.0	19864.2	19335.3	18729.7	17920.1	16785.0	14950.7	12210.4	9066.4
-30°	16003.4	15949.9	15840.2	15392.7	14980.1	14258.9	13251.3	11930.6	10100.3	8136.9	6514.1
-32.5°	11941.5	11841.7	11639.9	11406.9	10963.6	10140.8	9190.9	8153.2	7216.9	6292.3	5569.7
-35°	8740.4	8745.5	8474.0	8367.8	8081.0	7498.1	6957.0	6472.7	5942.5	5415.7	4956.1
-37.5°	6879.2	6787.9	6510.6	6566.7	6414.0	6111.0	5842.0	5508.8	5185.8	4868.5	4527.8
-40°	5921.1	5817.7	5652.6	5587.4	5463.2	5341.4	5162.4	4930.2	4700.9	4467.8	4195.0
-42.5°	5315.8	5239.6	5067.9	4999.9	4900.1	4833.0	4711.7	4542.7	4351.9	4131.4	3889.0
-45°	4915.9	4783.8	4693.5	4604.7	4532.5	4454.0	4343.8	4192.5	4020.1	3816.2	3599.0
-47.5°	4567.9	4419.6	4340.7	4250.5	4163.7	4063.4	3951.1	3808.8	3655.8	3477.9	3273.2
-50°	4279.2	4101.8	3983.1	3874.1	3772.4	3652.3	3533.6	3402.8	3266.2	3101.9	2907.5
-52.5°	3976.6	3772.5	3572.6	3460.7	3367.1	3261.0	3133.9	3016.9	2877.1	2715.6	2536.4
-55°	3605.8	3428.8	3263.4	3115.8	3013.3	2912.9	2781.2	2670.1	2522.7	2364.0	2197.2
-57.5°	3219.0	3097.3	2979.4	2852.6	2726.8	2610.2	2490.6	2358.3	2213.8	2064.4	1923.9
-60°	2873.9	2777.0	2685.3	2574.3	2460.0	2335.0	2210.1	2064.8	1924.6	1804.1	1690.6
-62.5°	2593.4	2471.2	2377.8	2275.3	2173.7	2060.0	1928.6	1779.7	1663.2	1558.3	1460.3
-65°	2289.4	2164.3	2064.5	1968.0	1870.5	1768.8	1642.7	1516.1	1427.1	1328.9	1232.6
-67.5°	1938.4	1834.8	1747.1	1644.9	1566.9	1477.8	1372.7	1281.3	1186.3	1089.8	1010.7
-70°	1575.2	1485.8	1409.7	1341.6	1267.0	1184.2	1095.7	1018.7	940.9	866.1	803.3
-72.5°	1238.0	1156.5	1089.1	1029.8	968.5	905.0	836.9	773.2	716.1	664.8	620.1
-75°	936.9	869.6	813.7	762.0	711.2	666.4	613.2	558.9	522.4	490.9	461.2
-77.5°	662.7	616.6	575.9	535.5	494.4	464.4	426.6	393.4	369.2	345.9	326.7
-80°	429.3	403.8	381.2	357.1	331.9	308.6	290.0	271.5	248.5	235.3	223.5
-82.5°	289.6	270.6	254.3	231.8	211.8	198.4	190.3	182.0	171.3	161.9	149.4
-85°	187.2	168.2	161.2	141.3	125.6	122.3	116.4	110.6	108.2	102.7	93.7
-87.5°	90.9	83.6	82.1	73.9	70.8	69.5	61.2	54.3	52.5	50.6	49.0
-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):**

	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°	31.3	29.8	28.2	26.6	24.9	23.2	21.9	21.6	19.5	15.6	13.7
85°	98.7	91.4	83.7	75.4	66.8	58.3	52.2	46.1	39.0	31.1	27.3
82.5°	201.9	184.4	166.3	147.0	125.3	111.4	105.3	95.5	81.0	61.4	47.9
80°	340.4	308.6	275.9	250.7	226.8	201.1	179.6	152.4	124.8	99.3	82.3
77.5°	513.5	464.3	427.9	391.2	351.9	307.9	273.3	240.2	196.6	146.9	116.3
75°	720.6	672.1	628.7	564.7	500.0	450.7	397.0	337.1	275.0	217.2	165.5
72.5°	972.9	912.3	856.5	772.6	684.5	606.1	529.8	459.1	374.5	286.0	222.5
70°	1242.4	1180.3	1095.9	1000.0	877.2	772.7	679.2	582.7	484.7	378.3	278.4
67.5°	1526.3	1479.9	1387.8	1250.1	1078.3	938.4	823.9	711.4	597.2	470.7	351.9
65°	1844.1	1794.2	1684.6	1516.9	1309.9	1101.1	962.1	838.1	711.6	563.9	426.1
62.5°	2203.5	2117.7	1980.2	1786.5	1540.4	1295.8	1105.6	962.6	825.3	662.1	497.8
60°	2640.7	2470.0	2281.3	2059.0	1778.8	1492.1	1262.9	1090.9	940.9	758.7	578.9
57.5°	3127.4	2833.2	2587.8	2336.1	2020.3	1693.0	1422.0	1227.0	1053.0	857.1	656.3
55°	3532.1	3178.8	2877.0	2584.9	2261.8	1897.9	1587.2	1359.9	1167.8	955.3	728.4
52.5°	3868.2	3493.5	3151.8	2822.4	2487.2	2102.4	1748.5	1500.1	1282.7	1052.2	808.7
50°	4182.1	3793.6	3399.7	3048.2	2711.9	2309.4	1920.0	1632.5	1398.6	1156.3	886.4
47.5°	4513.6	4068.3	3623.7	3252.5	2913.5	2514.1	2078.5	1770.3	1516.7	1259.9	959.8
45°	4834.1	4328.8	3847.6	3448.9	3105.9	2702.6	2245.4	1903.4	1632.5	1356.1	1037.0
42.5°	5108.3	4571.0	4058.2	3638.0	3288.2	2880.1	2396.9	2029.1	1746.2	1450.0	1116.1
40°	5320.8	4785.5	4260.7	3824.4	3466.8	3045.9	2545.7	2155.8	1854.0	1541.3	1187.4
37.5°	5526.9	4974.2	4450.1	4007.2	3630.5	3193.7	2674.7	2273.2	1950.2	1629.8	1251.0
35°	5743.1	5155.7	4633.1	4169.8	3792.0	3322.6	2792.8	2381.1	2041.6	1699.7	1309.9
32.5°	6047.8	5359.1	4800.2	4338.3	3918.9	3436.9	2895.8	2473.8	2127.4	1768.5	1368.4
30°	6374.3	5561.2	4981.8	4497.2	4053.2	3541.7	2984.4	2555.0	2205.5	1838.0	1421.6
27.5°	6966.7	5834.0	5173.4	4669.4	4189.7	3646.6	3067.1	2630.3	2276.2	1896.7	1467.3
25°	7601.6	6085.8	5352.9	4821.6	4320.0	3727.0	3141.6	2711.5	2341.3	1940.6	1505.6
22.5°	9781.2	6526.4	5519.8	4949.6	4398.0	3790.5	3199.1	2776.2	2400.6	1980.2	1545.0
20°	12546.5	7253.1	5727.3	5051.8	4457.5	3782.4	3222.0	2829.5	2452.7	2018.9	1580.1
17.5°	16194.0	8154.9	5965.2	5135.3	4449.2	3765.8	3264.5	2875.0	2494.7	2048.8	1608.3
15°	22402.3	10381.1	6258.6	5190.7	4439.8	3786.9	3298.5	2917.9	2530.6	2068.9	1631.8
12.5°	28117.0	13467.4	7167.3	5212.9	4405.8	3788.4	3339.8	2957.8	2565.3	2091.4	1652.4
10°	33093.7	16891.9	8333.9	5369.1	4362.5	3791.8	3372.5	2988.7	2594.1	2116.2	1667.5
7.5°	37143.9	20451.3	9848.2	5613.4	4336.2	3783.9	3383.6	3007.5	2614.1	2134.6	1677.3
5°	39979.7	23891.9	11554.2	5978.6	4370.2	3775.2	3382.7	3016.3	2624.7	2146.2	1681.6
2.5°	41489.5	26919.3	13301.4	6386.3	4435.6	3789.9	3379.4	3009.0	2624.4	2150.8	1679.6
0°	41849.9	29347.8	14911.1	6785.1	4515.2	3807.8	3368.8	2994.1	2616.8	2148.0	1671.7
-2.5°	41338.5	31008.9	15948.6	7002.5	4592.7	3835.7	3365.4	2978.8	2597.7	2129.5	1658.0
-5°	40367.2	31769.7	16130.9	6985.4	4632.4	3851.9	3353.0	2955.6	2571.6	2103.3	1638.7
-7.5°	39336.0	31395.2	15390.6	6744.9	4632.3	3858.6	3338.4	2927.0	2541.7	2071.7	1614.2
-10°	38424.8	29552.2	13754.1	6296.7	4589.6	3838.7	3310.1	2889.6	2507.5	2038.9	1586.8
-12.5°	36691.5	25973.9	11282.7	5741.9	4539.6	3791.7	3266.5	2849.1	2465.5	1997.9	1554.5
-15°	33210.7	20462.4	8397.5	5489.9	4429.1	3707.5	3209.9	2802.9	2417.7	1953.1	1516.9
-17.5°	27795.3	14740.9	7258.2	5211.6	4268.1	3598.6	3135.5	2748.5	2363.9	1905.3	1476.8
-20°	19938.6	10768.8	6282.8	4891.0	4079.3	3482.6	3059.2	2684.5	2300.2	1848.8	1432.9



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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°	13263.1	7704.3	5507.9	4562.0	3904.2	3385.6	2979.4	2612.1	2226.7	1786.5	1382.5
-25°	8694.8	6089.3	5035.6	4315.7	3748.0	3274.7	2890.4	2534.5	2146.6	1723.2	1330.0
-27.5°	6706.5	5403.1	4641.0	4059.6	3563.9	3150.7	2787.6	2450.6	2064.0	1661.5	1279.2
-30°	5519.4	4833.1	4269.1	3803.0	3382.7	3009.6	2678.2	2346.1	1978.0	1592.3	1221.9
-32.5°	4965.2	4438.8	3985.3	3591.4	3214.0	2865.6	2557.3	2234.3	1889.2	1517.9	1157.8
-35°	4520.0	4103.7	3735.0	3385.6	3036.4	2715.8	2427.9	2119.0	1792.7	1439.8	1090.8
-37.5°	4190.2	3849.7	3513.7	3187.1	2866.9	2569.5	2295.7	2002.9	1692.9	1360.4	1027.6
-40°	3909.0	3604.6	3290.2	2983.0	2693.2	2423.1	2159.6	1880.7	1590.2	1274.4	963.2
-42.5°	3631.9	3354.4	3062.9	2783.2	2519.9	2268.4	2015.0	1750.6	1477.7	1184.4	892.3
-45°	3354.5	3094.2	2827.3	2571.4	2340.0	2099.7	1862.2	1615.4	1361.8	1090.7	815.2
-47.5°	3045.5	2812.9	2578.2	2351.7	2141.6	1920.0	1703.4	1474.4	1243.6	997.3	740.8
-50°	2702.3	2502.8	2300.1	2106.3	1919.1	1733.1	1536.0	1329.0	1121.0	893.0	667.5
-52.5°	2355.7	2187.5	2010.3	1848.0	1694.8	1539.3	1361.4	1184.3	995.6	785.6	588.3
-55°	2051.7	1898.5	1742.5	1614.7	1472.4	1351.1	1196.5	1036.4	873.3	693.9	506.5
-57.5°	1803.0	1668.8	1532.4	1413.4	1296.1	1176.6	1040.6	904.9	756.7	605.0	447.0
-60°	1586.9	1457.1	1341.5	1230.0	1124.0	1018.7	900.7	776.3	661.4	522.1	390.0
-62.5°	1354.9	1243.5	1138.0	1048.9	959.7	870.8	769.9	663.0	564.4	448.8	331.9
-65°	1145.5	1041.9	948.2	870.5	802.8	726.6	646.1	553.7	468.2	371.7	284.8
-67.5°	944.8	857.4	776.8	711.5	650.6	595.2	525.5	450.0	372.7	304.1	235.7
-70°	753.1	686.1	620.4	568.5	514.2	466.8	416.7	349.5	293.5	244.2	187.2
-72.5°	577.5	529.0	481.6	438.8	397.2	357.2	309.7	272.3	229.5	186.4	152.0
-75°	425.1	390.0	357.7	325.2	292.3	266.5	238.0	204.9	172.9	146.1	116.1
-77.5°	304.5	275.2	254.6	234.6	214.4	193.8	172.1	152.3	129.8	105.7	85.5
-80°	212.1	195.7	178.6	164.6	149.0	140.1	124.0	105.0	89.9	77.2	65.2
-82.5°	142.0	133.3	124.3	114.3	97.3	94.1	84.6	71.4	62.8	53.6	44.8
-85°	89.3	85.2	81.1	76.5	67.5	62.7	54.5	41.2	36.3	32.5	28.5
-87.5°	46.9	44.6	42.2	39.8	35.3	31.3	26.9	20.1	18.2	16.2	14.3
-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):**

	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°	11.9	10.2	8.2	6.3	4.2	2.2	0.0
85°	23.7	20.4	16.4	12.6	8.5	4.3	0.0
82.5°	35.6	30.5	24.6	18.8	12.7	6.5	0.0
80°	62.8	44.1	32.8	25.1	16.9	8.6	0.0
77.5°	91.3	66.2	44.4	31.3	21.0	10.8	0.0
75°	119.3	88.1	62.2	37.4	25.2	12.9	0.0
72.5°	160.8	109.9	79.5	48.3	29.3	14.9	0.0
70°	206.0	138.2	96.5	60.2	33.3	17.0	0.0
67.5°	249.7	173.0	113.0	72.0	37.3	19.0	0.0
65°	300.1	206.7	133.7	83.5	43.2	20.9	0.0
62.5°	357.6	239.1	158.2	94.7	50.4	22.9	0.0
60°	412.6	275.5	182.0	105.7	57.4	24.7	0.0
57.5°	465.0	316.2	204.9	116.8	64.2	26.5	0.0
55°	524.8	354.3	227.1	133.5	70.7	28.3	0.0
52.5°	581.4	389.9	250.0	149.5	76.9	29.9	0.0
50°	634.8	425.8	278.7	164.9	82.8	31.6	0.0
47.5°	686.6	470.4	306.2	179.6	88.4	33.1	0.0
45°	745.2	512.5	332.5	193.6	93.7	34.6	0.0
42.5°	800.0	552.0	357.2	206.9	98.6	36.0	0.0
40°	852.1	588.8	380.3	218.7	103.2	37.3	0.0
37.5°	901.0	622.9	401.8	229.3	107.5	38.6	0.0
35°	950.4	658.5	425.4	242.1	113.4	40.3	0.0
32.5°	998.4	693.5	448.6	255.0	119.6	42.2	0.0
30°	1041.3	725.8	469.8	266.8	125.2	43.9	0.0
27.5°	1082.8	755.4	489.0	277.4	130.3	45.4	0.0
25°	1120.6	782.0	506.8	286.8	134.9	46.8	0.0
22.5°	1153.5	806.1	523.2	295.0	139.0	48.0	0.0
20°	1182.4	827.6	538.0	301.9	142.5	49.1	0.0
17.5°	1207.5	845.6	551.3	308.9	145.6	50.1	0.0
15°	1227.4	861.6	562.9	315.1	148.1	50.9	0.0
12.5°	1242.5	875.5	571.9	320.2	150.1	51.5	0.0
10°	1252.9	887.7	578.4	324.1	151.6	52.0	0.0
7.5°	1262.9	898.0	582.7	327.0	152.6	52.3	0.0
5°	1269.4	904.9	584.7	328.7	153.0	52.5	0.0
2.5°	1271.2	908.3	584.7	329.3	152.9	52.5	0.0
0°	1268.5	908.3	582.5	328.7	152.3	52.4	0.0
-2.5°	1259.8	899.3	577.6	326.7	151.3	52.3	0.0
-5°	1246.7	886.9	570.8	323.6	149.8	52.0	0.0
-7.5°	1229.2	871.0	562.0	319.3	147.8	51.6	0.0
-10°	1207.4	851.6	551.5	313.9	145.3	51.1	0.0
-12.5°	1181.8	830.5	539.1	307.4	142.3	50.4	0.0
-15°	1152.1	808.5	525.3	299.7	138.8	49.6	0.0
-17.5°	1118.5	785.3	510.2	290.9	134.9	48.7	0.0
-20°	1081.6	760.8	493.3	281.0	130.5	47.7	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1043.5	733.6	474.6	270.1	125.6	46.5	0.0
-25°	1003.3	705.5	454.0	258.4	120.3	45.2	0.0
-27.5°	960.5	675.6	431.6	245.8	114.6	43.8	0.0
-30°	914.7	643.3	407.6	232.5	108.5	42.3	0.0
-32.5°	864.5	608.7	383.5	218.6	102.7	40.7	0.0
-35°	810.4	571.7	357.4	203.9	96.4	39.0	0.0
-37.5°	755.2	532.9	332.1	190.1	90.7	37.4	0.0
-40°	701.7	494.2	311.1	179.5	87.1	36.1	0.0
-42.5°	647.9	454.7	289.3	168.5	83.4	34.8	0.0
-45°	592.9	414.5	266.7	157.2	79.4	33.4	0.0
-47.5°	534.7	373.6	243.4	145.4	75.2	31.9	0.0
-50°	484.5	332.1	219.5	133.3	70.8	30.4	0.0
-52.5°	434.6	301.6	195.0	120.7	66.3	28.8	0.0
-55°	383.4	270.3	176.5	107.9	61.5	27.1	0.0
-57.5°	331.0	238.2	159.0	94.6	56.6	25.4	0.0
-60°	291.4	205.2	141.1	86.5	51.6	23.7	0.0
-62.5°	250.9	177.4	122.8	78.5	46.4	21.9	0.0
-65°	209.8	154.0	104.0	70.4	41.0	20.0	0.0
-67.5°	174.9	130.1	88.7	62.1	36.3	18.1	0.0
-70°	145.8	105.8	77.3	53.6	32.5	16.2	0.0
-72.5°	116.3	86.5	65.8	45.0	28.5	14.3	0.0
-75°	89.5	71.9	54.1	36.8	24.6	12.3	0.0
-77.5°	71.9	57.2	42.3	30.8	20.5	10.3	0.0
-80°	54.1	42.3	32.8	24.7	16.5	8.2	0.0
-82.5°	36.8	30.8	24.7	18.5	12.4	6.2	0.0
-85°	24.6	20.5	16.5	12.4	8.3	4.1	0.0
-87.5°	12.3	10.3	8.2	6.2	4.1	2.1	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)