

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: P902112 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-A65-NWB-LTM**

Issue Date: 11/14/2024

**Test Information**

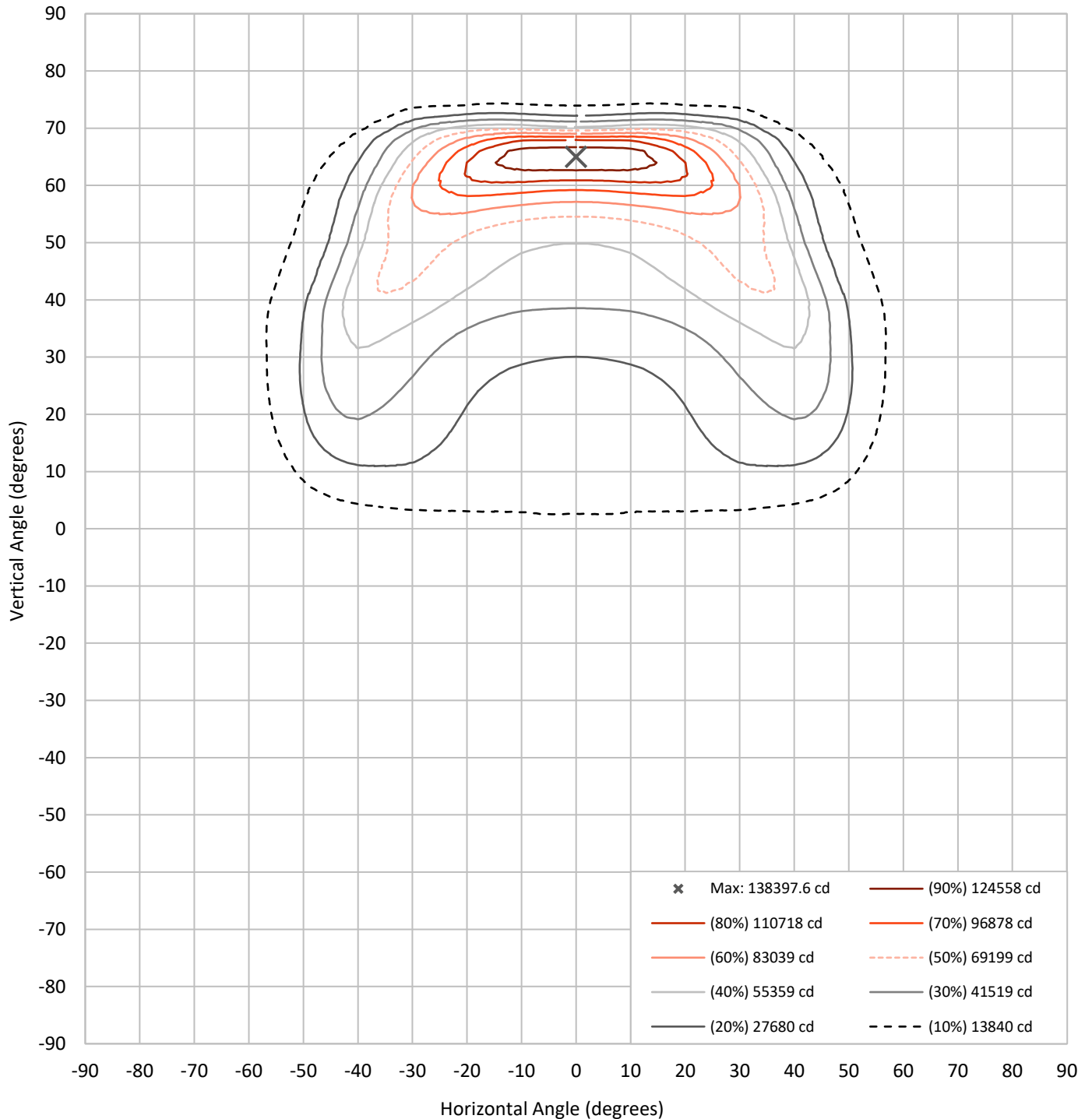
Test Method: LM-79-08  
Report Number: P902112 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( LVM2J49600)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/14/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-AV-03-1360S-57-85-A65-NWB-LTM  
Description: ARENAVISION LUMINAIRE  
5700K, 85 CRI LEDS AND A65-NWB-LTM OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	99944 lumens	Max Intensity:	138397.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 65°V
Efficacy:	70.7 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	58.9°H x 14.9°V	Field Angle (10%):	89.8°H x 71.5°V
Beam Lumens:	32481.6 lumens	Field Lumens:	88993.9 lumens
Beam Efficiency:	32.5%	Field Efficiency:	89.0%
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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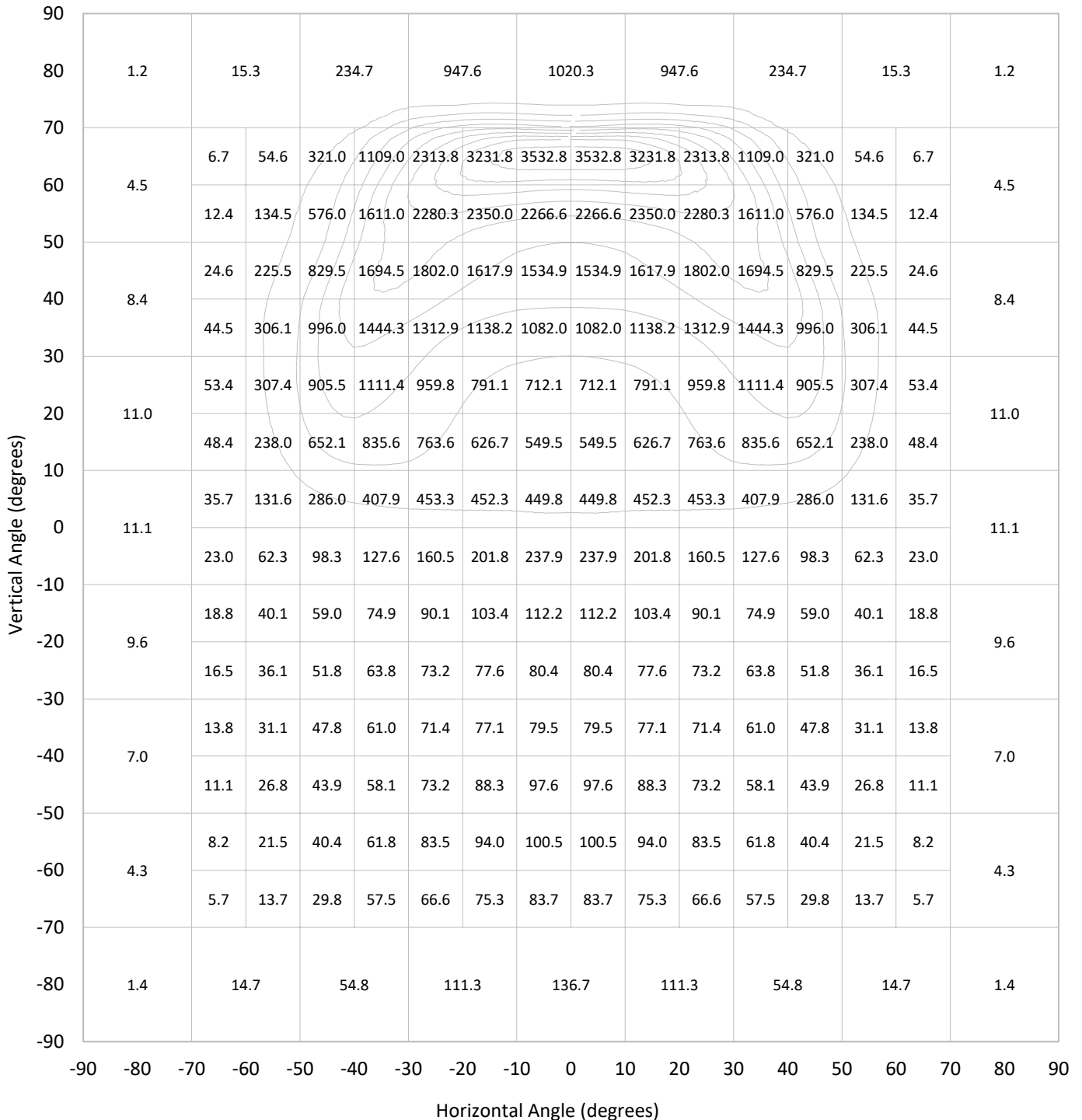
### Iso-Candela Plot





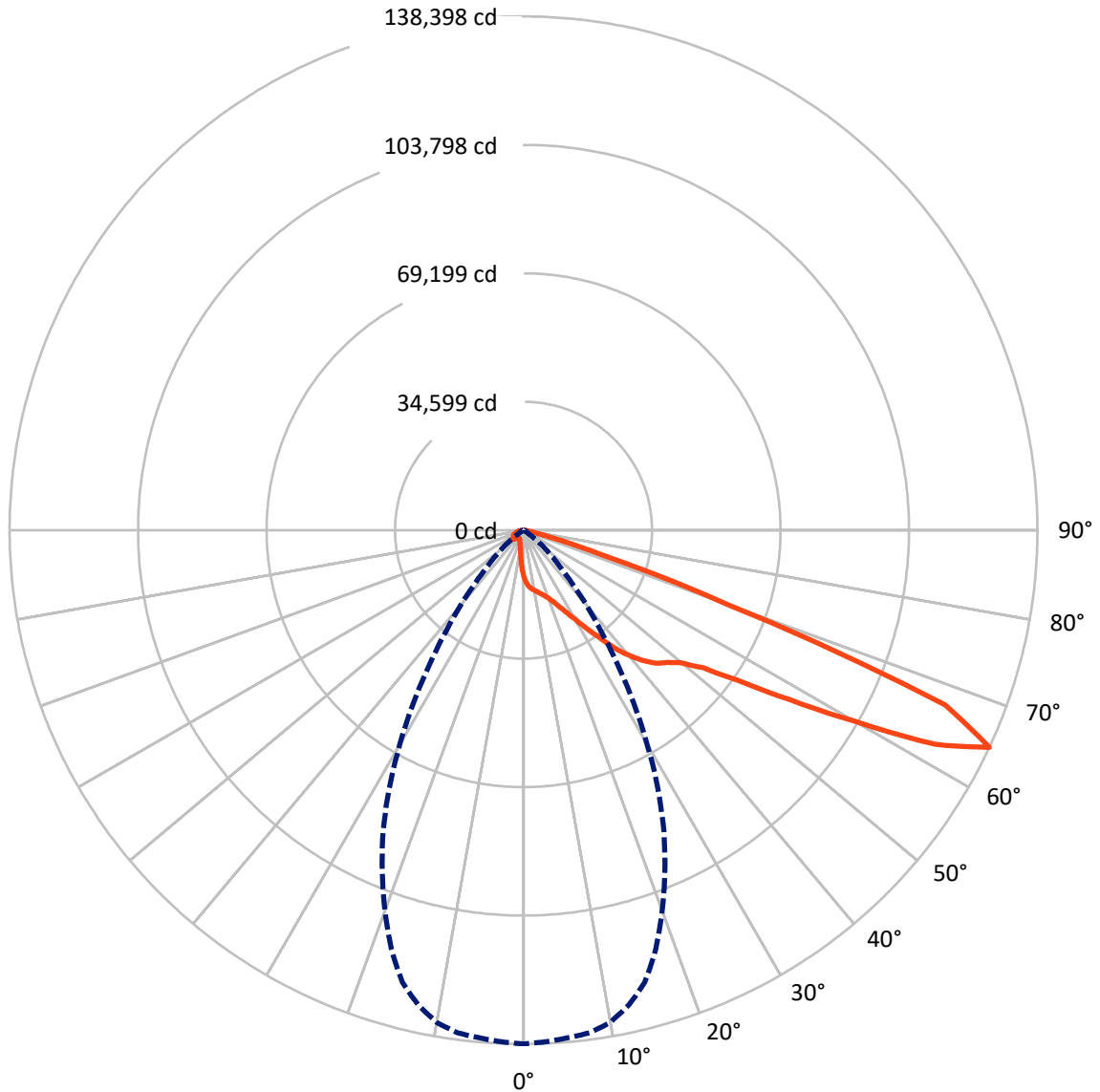
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### Lumen Table



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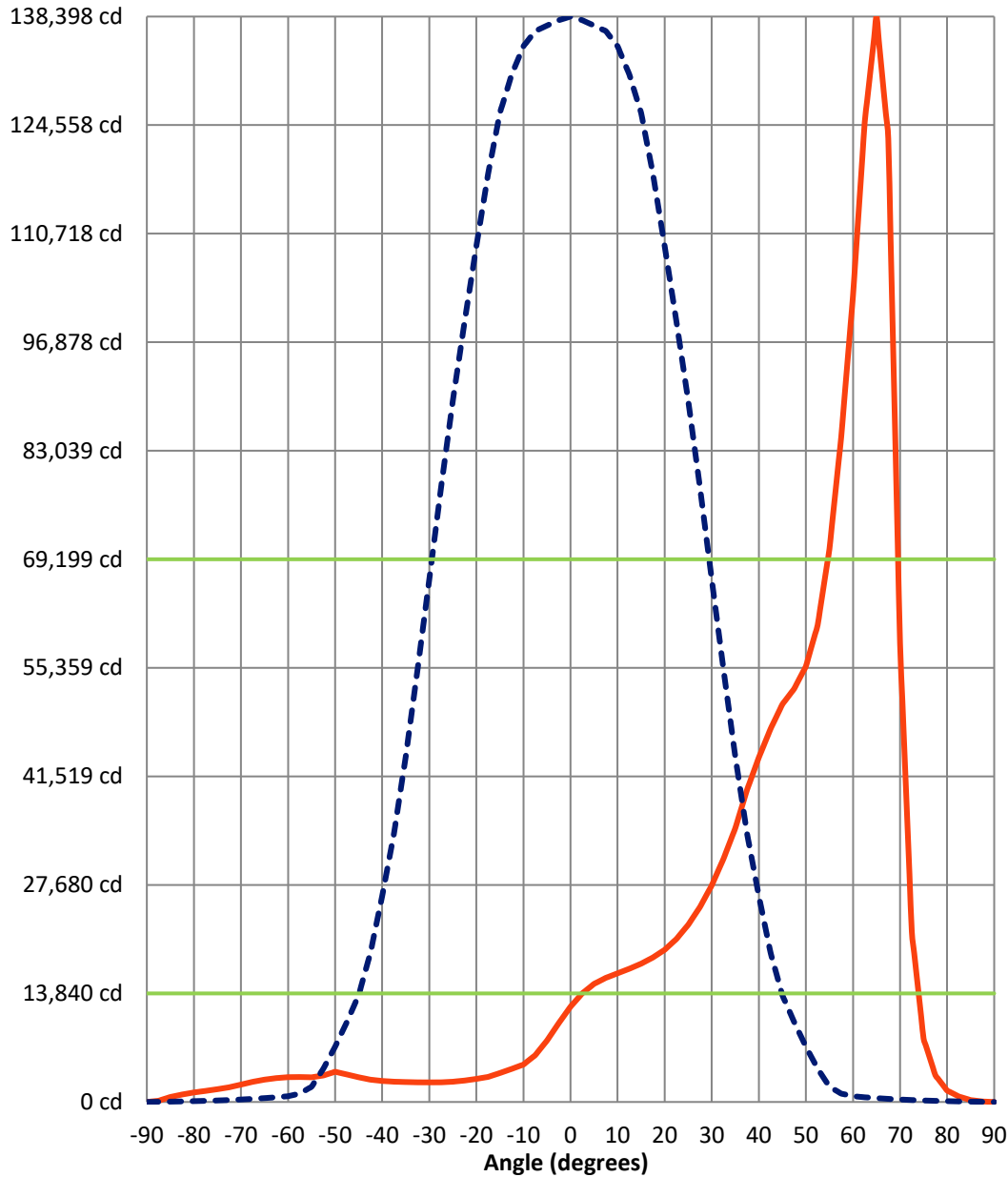
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 65-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 58.9°  
 V Angle: 14.9°  
 Lumens: 32481.6  
 Efficiency: 32.5%

**Field:**  
 H Angle: 89.8°  
 V Angle: 71.5°  
 Lumens: 88993.9  
 Efficiency: 89.0%

**Spill:**  
 Lumens: 10950.2  
 Efficiency: 11.0%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 65-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	2.3	4.6	6.8	9.1	11.3	13.6	15.7	17.9	20.0	22.1
85°	0.0	4.6	9.1	13.7	18.2	22.6	27.1	31.5	35.8	40.0	45.4
82.5°	0.0	6.8	13.7	20.5	27.2	33.9	40.6	50.3	59.8	69.4	78.9
80°	0.0	9.1	18.2	27.2	36.2	47.1	61.3	75.3	86.9	99.6	114.5
77.5°	0.0	11.3	22.6	33.9	47.0	65.0	82.7	100.2	116.8	137.7	159.0
75°	0.0	13.6	27.1	40.6	60.7	82.7	103.8	129.1	152.9	177.6	210.4
72.5°	0.0	15.7	31.5	48.3	74.0	100.2	127.1	159.8	188.8	228.1	280.1
70°	0.0	17.9	35.8	56.1	86.8	116.7	150.4	189.6	230.7	281.9	349.7
67.5°	0.0	20.0	40.0	63.6	98.9	131.4	172.6	220.0	271.8	338.0	422.0
65°	0.0	22.1	44.2	70.8	108.6	144.6	193.9	248.9	315.6	398.3	493.4
62.5°	0.0	24.2	48.1	77.6	116.5	156.2	214.0	275.9	363.9	457.0	567.1
60°	0.0	26.2	51.9	84.1	124.4	169.5	232.6	312.7	409.0	514.3	640.1
57.5°	0.0	28.1	55.6	90.2	132.4	186.7	249.6	348.2	454.1	568.1	726.8
55°	0.0	30.0	59.1	96.8	140.3	204.3	279.8	382.8	499.5	638.3	812.5
52.5°	0.0	31.9	62.5	103.4	149.6	222.5	309.1	421.1	544.9	706.3	903.7
50°	0.0	33.7	65.7	109.8	163.9	240.7	335.5	457.1	603.2	771.0	983.5
47.5°	0.0	35.4	68.7	116.1	177.5	260.1	359.8	490.0	657.9	842.4	1121.0
45°	0.0	37.0	71.5	122.3	190.0	279.0	388.0	527.0	708.0	909.6	1252.7
42.5°	0.0	38.6	74.2	128.3	201.4	297.2	415.5	570.3	762.7	990.8	1406.7
40°	0.0	40.1	76.6	134.1	211.6	314.6	441.4	609.4	814.2	1071.5	1725.2
37.5°	0.0	41.5	78.8	139.7	220.7	331.4	462.5	643.7	862.1	1140.9	1934.1
35°	0.0	42.8	81.9	146.1	230.1	345.4	483.2	675.6	904.0	1235.4	2201.0
32.5°	0.0	43.9	85.2	152.4	238.9	357.4	503.5	704.0	943.4	1327.2	2619.8
30°	0.0	44.9	88.2	158.3	246.5	369.0	521.0	729.2	974.7	1394.7	2868.4
27.5°	0.0	45.9	91.2	163.6	254.5	380.0	538.0	752.1	1003.3	1436.3	2991.4
25°	0.0	46.7	94.0	168.4	261.6	390.4	551.8	772.4	1031.4	1542.5	3233.6
22.5°	0.0	47.5	96.5	172.7	267.6	399.8	561.7	785.0	1059.4	1634.4	3323.6
20°	0.0	48.3	98.6	176.5	272.6	407.1	569.0	795.1	1074.3	1657.5	3355.3
17.5°	0.0	48.9	100.5	179.3	276.6	412.4	576.5	801.6	1087.1	1645.7	3278.7
15°	0.0	49.4	102.1	181.2	279.6	416.2	582.6	808.7	1095.1	1626.0	3147.8
12.5°	0.0	49.9	103.4	182.5	281.5	418.3	586.6	816.9	1095.7	1568.1	2995.1
10°	0.0	50.3	104.4	183.2	282.5	419.2	588.5	820.7	1087.1	1556.7	2800.1
7.5°	0.0	50.6	105.1	183.3	282.7	419.0	589.8	820.4	1071.4	1522.0	2592.0
5°	0.0	50.8	105.5	183.0	282.1	417.6	588.8	815.8	1061.2	1465.9	2338.1
2.5°	0.0	51.0	105.7	182.1	280.7	414.7	585.0	807.8	1050.4	1407.4	2109.4
0°	0.0	51.0	105.6	180.7	278.5	410.5	578.9	796.4	1035.8	1335.2	1850.4
-2.5°	0.0	51.1	106.2	181.3	277.1	409.6	577.1	790.2	1029.2	1306.6	1734.9
-5°	0.0	51.2	106.5	181.5	275.1	407.2	573.2	780.9	1018.8	1273.4	1613.1
-7.5°	0.0	51.1	106.7	181.2	272.4	403.3	567.2	768.8	1004.2	1241.3	1544.8
-10°	0.0	51.0	106.6	180.3	269.1	397.9	559.1	755.4	985.4	1207.4	1485.3
-12.5°	0.0	50.7	106.3	178.9	265.4	391.0	548.3	740.2	962.9	1173.8	1446.9
-15°	0.0	50.3	105.9	176.9	261.6	382.7	535.0	723.2	938.3	1161.8	1412.9
-17.5°	0.0	49.8	105.4	174.3	258.2	374.1	519.0	704.4	912.5	1142.2	1382.3
-20°	0.0	49.2	104.7	171.0	254.0	365.1	501.9	682.8	883.6	1104.1	1344.8



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**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	48.5	103.9	166.8	249.0	355.2	488.4	658.2	851.9	1057.0	1290.3
-25°	0.0	47.7	103.0	162.1	243.2	345.2	474.5	633.3	818.9	1010.8	1231.6
-27.5°	0.0	46.7	102.0	157.0	236.7	334.9	458.6	610.4	787.0	968.7	1169.2
-30°	0.0	45.6	101.0	151.4	229.5	324.1	440.9	585.6	753.3	926.0	1125.4
-32.5°	0.0	44.3	99.6	145.5	223.0	312.9	422.8	558.9	719.2	882.4	1081.4
-35°	0.0	43.0	98.1	139.1	215.7	301.2	403.7	531.9	685.1	844.1	1034.0
-37.5°	0.0	41.5	96.1	133.5	207.8	289.1	385.2	507.6	652.4	803.6	990.8
-40°	0.0	40.1	93.0	130.7	200.0	276.4	367.5	484.4	620.3	762.8	939.5
-42.5°	0.0	38.6	89.6	128.2	191.9	263.0	348.9	459.2	588.0	720.8	878.3
-45°	0.0	37.0	85.9	126.0	183.5	248.8	330.1	432.1	555.6	679.0	820.8
-47.5°	0.0	35.4	81.8	123.3	174.7	233.8	310.4	407.3	523.6	639.2	765.6
-50°	0.0	33.7	77.4	120.1	165.6	218.1	292.2	383.1	488.5	596.8	711.6
-52.5°	0.0	31.9	72.7	116.5	156.6	207.8	272.2	356.6	452.8	555.7	662.3
-55°	0.0	30.0	67.8	112.4	150.2	198.0	250.1	328.7	421.8	513.7	609.8
-57.5°	0.0	28.1	62.5	107.9	144.1	188.0	228.3	305.9	390.3	471.0	562.6
-60°	0.0	26.2	57.0	99.3	137.5	177.6	218.3	283.7	359.3	434.5	515.3
-62.5°	0.0	24.2	51.3	90.0	130.5	167.1	207.2	260.6	330.1	397.9	473.4
-65°	0.0	22.1	45.3	80.4	123.0	156.0	194.8	242.3	299.7	362.1	430.2
-67.5°	0.0	20.0	40.0	70.6	112.1	144.5	179.8	221.9	270.9	324.0	384.4
-70°	0.0	17.9	35.8	60.5	97.0	132.4	161.9	199.2	242.9	287.3	339.0
-72.5°	0.0	15.7	31.5	50.2	81.3	115.2	142.6	173.6	213.9	253.1	298.9
-75°	0.0	13.6	27.1	40.6	64.9	93.3	120.6	147.4	183.7	218.1	259.7
-77.5°	0.0	11.3	22.6	33.9	48.1	71.0	93.7	118.6	152.6	182.4	217.0
-80°	0.0	9.1	18.2	27.2	36.2	48.5	66.5	86.0	113.6	143.0	171.9
-82.5°	0.0	6.8	13.7	20.5	27.2	33.9	40.6	53.0	70.6	90.3	112.3
-85°	0.0	4.6	9.1	13.7	18.2	22.6	27.1	31.5	35.8	40.0	48.6
-87.5°	0.0	2.3	4.6	6.8	9.1	11.3	13.6	15.7	17.9	20.0	22.1
-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°	24.2	26.2	28.1	30.0	31.9	33.7	35.4	37.0	48.5	52.3	48.7
85°	52.2	58.6	64.9	71.8	79.7	86.0	92.0	101.7	115.3	126.0	133.1
82.5°	90.7	100.5	110.3	126.8	144.8	160.4	175.3	192.8	210.1	237.3	269.1
80°	137.1	158.0	180.1	204.0	228.4	258.3	294.9	337.1	385.1	460.5	577.7
77.5°	190.0	221.7	259.6	301.2	339.9	379.6	473.5	595.3	750.8	972.3	1267.7
75°	258.1	297.8	346.7	439.1	516.5	600.8	788.2	1212.3	1531.7	1893.4	2501.7
72.5°	331.9	400.4	507.2	633.7	983.4	1592.6	2157.4	2847.4	3951.6	5121.9	6685.5
70°	425.8	520.4	675.5	1045.1	1800.8	3146.8	4769.3	6472.0	8452.2	11235.5	15701.6
67.5°	513.9	629.5	826.8	1488.1	2821.0	4969.8	7542.4	10233.2	13706.2	19618.1	28619.9
65°	598.8	736.7	1070.8	1951.2	4248.6	7055.6	10206.6	13625.1	19027.7	26276.0	34235.7
62.5°	691.2	885.6	1448.4	3147.4	6002.0	9512.7	12961.1	17644.3	24083.3	30630.5	39495.7
60°	802.2	1110.0	2020.2	4462.1	8057.2	11629.8	15681.4	21109.4	26999.4	34593.6	45858.8
57.5°	922.7	1372.4	2913.4	5934.6	9493.7	13241.1	18233.3	23659.5	29559.1	38872.9	51873.7
55°	1048.7	1784.2	3755.1	7087.5	10692.1	14983.4	19897.6	24826.5	32116.8	43233.0	56421.9
52.5°	1206.8	2207.2	4811.3	8089.6	11618.5	16488.2	20995.3	26130.9	34852.8	47047.0	59080.0
50°	1476.0	2986.5	5768.7	8922.5	13441.3	18080.3	22000.4	28562.4	38469.8	51291.2	61600.6
47.5°	1765.0	3739.3	6715.5	10618.4	15446.7	19286.7	24281.8	32147.4	43494.8	55343.8	64524.9
45°	2304.9	4628.0	7942.8	12518.7	16755.3	21011.8	26894.3	35891.6	48503.1	59377.3	67294.3
42.5°	2743.6	5622.4	9522.3	14094.8	18376.4	23020.3	30119.6	41323.0	53072.6	62731.4	68896.8
40°	3578.7	6758.7	10956.2	15723.2	20068.3	25672.1	34111.1	45412.3	56386.3	64405.9	67908.7
37.5°	4356.3	7825.6	12150.8	16597.8	21415.3	27613.1	36685.5	47974.3	57039.2	62522.0	64451.1
35°	4948.8	8576.3	12803.5	16779.7	21701.7	28382.5	37677.6	47767.4	55251.2	59271.6	59867.9
32.5°	5454.4	8931.0	12645.7	16700.7	21947.4	28979.7	38278.4	47438.4	53563.2	56405.5	56094.0
30°	5819.8	9141.2	12455.9	16655.5	22233.9	29371.2	38973.5	47105.1	52113.7	53758.3	52757.9
27.5°	6053.4	9141.8	12405.5	16683.2	22353.8	29732.1	38677.2	45940.6	49994.2	50954.0	49646.2
25°	6081.4	8990.8	12187.4	16489.4	22020.2	29426.0	37949.7	44420.6	47805.7	48254.9	46739.8
22.5°	6005.8	8712.7	11800.0	15935.1	21281.3	28346.1	36207.0	42035.8	45092.6	45434.0	44088.3
20°	5835.5	8373.0	11262.0	15132.4	20165.9	26783.1	33879.6	39310.7	42229.5	42695.8	41460.6
17.5°	5636.2	7913.5	10584.5	14058.2	18580.3	24651.1	31018.3	35816.5	38472.8	39268.8	38529.6
15°	5323.0	7431.3	9765.6	12764.5	16679.6	21952.7	27404.1	31641.9	34154.2	35155.0	34936.6
12.5°	4994.4	6869.6	8862.0	11370.1	14621.3	18937.8	23480.9	27165.5	29424.0	30462.7	30632.5
10°	4613.3	6308.1	7958.7	9886.8	12392.0	15797.0	19317.7	22286.5	24233.9	25371.8	25834.5
7.5°	4209.5	5710.3	7018.6	8418.4	10256.3	12649.7	15118.4	17367.5	19015.2	20141.0	20735.1
5°	3760.7	5095.8	6193.5	7204.1	8360.3	9814.1	11292.8	12756.7	14067.8	15033.4	15692.1
2.5°	3287.6	4434.8	5358.3	6100.3	6800.9	7582.8	8348.7	9124.9	9899.0	10556.4	11081.4
0°	2777.8	3738.9	4527.1	5132.4	5609.3	6041.6	6424.8	6763.4	7033.7	7261.2	7493.3
-2.5°	2420.3	3121.5	3741.3	4248.0	4645.2	4985.3	5255.7	5448.5	5575.5	5663.9	5743.1
-5°	2073.7	2574.4	3067.7	3466.7	3779.0	4045.1	4269.4	4416.0	4536.6	4621.2	4700.7
-7.5°	1915.7	2246.5	2564.4	2820.3	3095.6	3314.4	3480.8	3571.9	3686.8	3790.0	3916.2
-10°	1779.7	2051.2	2324.2	2512.2	2662.6	2849.2	2972.5	3030.0	3123.9	3224.9	3350.3
-12.5°	1743.8	1975.3	2170.1	2350.4	2514.6	2635.6	2746.1	2816.4	2873.8	2936.8	3048.7
-15°	1706.5	1929.4	2111.9	2271.4	2429.7	2563.5	2659.8	2724.9	2766.0	2800.7	2889.6
-17.5°	1667.9	1890.8	2064.7	2230.9	2373.0	2504.7	2601.3	2664.1	2685.8	2693.9	2739.1
-20°	1621.7	1839.8	2022.4	2190.0	2328.4	2447.9	2549.0	2587.2	2595.2	2566.6	2604.2



REPORT NUMBER: P902112 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NWB-LTM

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1563.8	1774.6	1973.5	2146.1	2288.3	2390.3	2479.6	2502.7	2496.5	2480.9	2533.5
-25°	1504.7	1716.4	1912.5	2081.1	2237.8	2323.4	2399.5	2418.6	2406.0	2430.8	2478.8
-27.5°	1445.2	1652.7	1839.2	1994.7	2173.2	2253.6	2305.5	2330.2	2363.4	2398.0	2441.7
-30°	1377.2	1598.0	1776.6	1919.4	2094.9	2173.0	2224.9	2283.9	2332.8	2377.0	2422.0
-32.5°	1304.2	1529.6	1711.6	1841.1	1982.7	2116.2	2188.3	2239.2	2299.9	2350.4	2408.3
-35°	1225.2	1457.6	1652.3	1759.7	1902.3	2059.8	2164.6	2229.9	2277.2	2335.7	2393.2
-37.5°	1167.5	1395.5	1573.6	1697.9	1842.6	1989.7	2122.8	2238.4	2268.4	2320.4	2370.9
-40°	1128.0	1339.6	1499.1	1629.3	1785.9	1923.7	2055.5	2177.7	2265.4	2295.6	2340.0
-42.5°	1061.0	1273.5	1436.7	1568.3	1706.3	1848.5	1984.0	2114.6	2207.7	2265.2	2315.0
-45°	987.4	1213.5	1385.3	1537.0	1666.7	1801.5	1917.6	2046.4	2140.4	2205.5	2282.7
-47.5°	918.8	1146.0	1322.9	1485.0	1652.0	1765.0	1881.6	1994.7	2077.5	2141.0	2220.1
-50°	855.1	1043.7	1246.3	1431.0	1611.6	1713.1	1848.4	1950.9	2046.2	2089.8	2161.6
-52.5°	786.5	943.1	1137.6	1341.5	1544.8	1671.7	1811.2	1920.2	2023.2	2088.1	2157.3
-55°	719.4	849.2	1017.2	1214.8	1436.3	1611.3	1761.9	1871.4	1994.7	2091.4	2204.2
-57.5°	656.9	765.3	910.9	1075.8	1296.1	1526.3	1701.3	1866.6	1981.5	2118.0	2305.3
-60°	603.4	699.7	812.1	954.9	1132.5	1358.2	1604.5	1785.3	1963.1	2170.3	2492.7
-62.5°	555.6	638.5	730.8	847.8	991.9	1181.1	1384.0	1598.3	1818.9	2053.1	2520.3
-65°	502.8	578.0	650.2	762.6	879.2	1011.1	1181.0	1366.7	1529.6	1763.4	2168.0
-67.5°	446.6	514.2	575.0	675.9	774.2	880.4	1009.9	1149.9	1288.9	1457.0	1665.7
-70°	397.8	451.7	511.2	595.3	673.8	760.6	862.7	965.5	1087.7	1208.4	1344.0
-72.5°	349.1	400.0	451.1	522.0	592.7	656.5	736.1	821.5	911.5	1008.8	1111.7
-75°	306.0	352.3	392.5	450.4	514.6	565.5	622.0	694.2	766.5	842.3	928.8
-77.5°	260.1	307.6	340.4	382.7	439.8	483.7	531.8	590.6	649.3	712.2	777.9
-80°	204.8	244.2	275.4	311.8	362.5	406.8	442.4	485.8	538.2	596.1	653.4
-82.5°	139.2	170.8	197.4	220.6	258.3	300.4	331.8	361.2	409.0	459.8	501.9
-85°	62.5	78.9	94.7	111.1	136.0	164.0	187.9	208.6	238.1	274.3	300.9
-87.5°	24.2	26.2	28.1	30.0	34.6	36.6	38.4	40.2	41.9	43.6	45.1
-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: P902112 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NWB-LTM

**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°	51.4	54.7	47.5	52.0	56.5	59.2	60.2	61.6	62.8	64.1	63.7
85°	151.0	173.8	206.8	240.2	269.1	288.4	288.9	277.1	270.6	262.5	258.3
82.5°	329.5	417.6	523.2	652.7	753.1	828.8	863.4	839.5	781.3	724.7	724.6
80°	757.1	969.3	1203.6	1466.0	1660.6	1786.9	1861.3	1886.0	1860.9	1749.2	1644.0
77.5°	1692.1	2172.0	2585.6	2961.3	3271.2	3482.2	3600.5	3637.9	3699.0	3765.3	3733.6
75°	3790.6	5231.4	6264.8	6828.7	6956.1	6856.1	7110.6	7833.4	8324.6	8595.6	8537.3
72.5°	9818.5	14194.8	18352.8	21165.8	22180.2	22771.8	24397.8	25548.9	25659.2	25027.0	24005.2
70°	22850.6	31510.5	39392.1	46208.4	52278.2	57187.1	61461.0	64333.9	65681.1	65887.8	64789.0
67.5°	38493.8	47158.7	56309.7	66739.4	76446.3	85067.0	93543.0	101440.1	108730.7	115739.2	120054.9
65°	44050.3	55129.4	66627.2	78346.5	89424.9	99491.6	109124.1	118356.4	126101.1	130995.1	134605.7
62.5°	50930.9	63914.2	76820.5	88050.1	96891.3	105335.1	113487.5	119545.3	122133.8	123868.6	124948.0
60°	59265.1	71869.5	82844.6	91117.2	97022.6	102046.8	106154.8	107661.8	107640.6	107165.5	106299.4
57.5°	65503.0	75800.9	83635.9	88433.4	91149.5	93053.2	93689.6	92825.7	91418.9	89877.1	88162.6
55°	68536.5	75703.1	80410.0	82398.9	82768.9	82676.9	81512.7	79314.7	77021.7	75144.4	73861.0
52.5°	68079.9	73218.7	75271.2	75837.0	75437.7	74208.6	71870.7	69202.0	66739.0	64964.6	63350.8
50°	68955.6	71872.9	73123.0	72396.4	71458.5	69142.2	66168.1	63536.2	61084.7	59096.8	57636.0
47.5°	69769.6	71791.6	71693.6	70644.6	68809.7	65890.3	62803.0	59889.9	57601.0	55895.7	54503.0
45°	70941.9	71779.5	71080.6	69162.9	66829.5	63399.1	60290.5	57622.2	55271.0	53497.6	52224.2
42.5°	70639.8	70377.6	68660.3	66281.1	63265.7	59616.2	56554.2	53934.6	51711.9	50106.5	48934.1
40°	68213.6	66634.5	64276.8	61438.4	57950.8	54602.5	51720.3	49289.8	47291.3	45824.1	44869.2
37.5°	63708.5	61510.8	58719.2	55801.9	52384.6	49137.0	46628.8	44429.4	42808.3	41502.7	40611.8
35°	58172.2	55624.6	53024.6	49958.8	46381.4	43713.4	41282.9	39372.4	37736.4	36712.9	35773.6
32.5°	53970.5	51465.8	48756.5	45646.2	42425.9	39727.6	37468.4	35567.3	34086.7	32962.7	32134.9
30°	50564.0	48045.0	45355.6	42311.7	39171.0	36592.8	34393.8	32508.9	31034.7	29878.3	29034.6
27.5°	47403.7	44976.3	42448.0	39446.4	36476.3	33994.3	31828.1	29980.0	28474.0	27199.9	26375.2
25°	44560.2	42403.4	39969.3	37128.1	34317.8	31936.3	29819.3	27904.9	26396.1	25150.3	24216.2
22.5°	42231.9	40272.4	37925.1	35190.9	32592.1	30314.7	28190.6	26326.6	24772.9	23478.4	22485.9
20°	39941.3	38247.2	36144.8	33544.3	31093.4	28891.7	26885.7	25007.1	23470.3	22165.7	21121.3
17.5°	37415.4	36121.5	34213.1	31875.5	29593.4	27585.2	25616.9	23833.0	22288.6	21008.1	20003.2
15°	34353.9	33418.9	31918.8	29909.9	27951.7	26124.6	24316.7	22629.5	21162.4	19971.7	18991.4
12.5°	30453.7	30007.7	29067.4	27438.4	25928.9	24375.4	22821.8	21335.6	20069.6	18968.5	18124.8
10°	25922.1	25915.2	25386.6	24394.1	23356.2	22232.7	21023.0	19909.7	18879.0	18002.8	17299.7
7.5°	21102.9	21300.1	21232.1	20676.7	20116.1	19558.7	18887.7	18185.5	17486.9	16919.8	16468.5
5°	16149.6	16598.0	16784.9	16659.6	16534.1	16400.5	16190.0	15948.1	15683.9	15453.4	15306.8
2.5°	11562.1	12069.1	12491.5	12666.0	12822.0	13021.6	13181.0	13291.9	13392.8	13468.5	13620.0
0°	7794.6	8225.5	8673.8	9001.0	9331.8	9721.4	10110.0	10506.4	10856.4	11179.0	11495.3
-2.5°	5861.9	6013.0	6214.7	6401.2	6671.2	7064.2	7459.2	7901.9	8347.0	8794.0	9240.4
-5°	4770.9	4876.3	4976.6	5041.2	5184.5	5429.9	5700.3	5982.5	6321.8	6707.8	7082.9
-7.5°	4076.3	4241.5	4349.6	4428.9	4525.7	4670.3	4800.7	4927.2	5091.2	5282.9	5491.9
-10°	3536.8	3710.4	3851.5	3967.3	4089.1	4217.4	4311.4	4364.8	4440.8	4512.9	4596.0
-12.5°	3186.2	3306.0	3398.8	3503.4	3625.0	3756.7	3856.6	3931.3	3985.2	4055.2	4121.1
-15°	2983.7	3061.1	3109.3	3147.1	3204.3	3260.9	3301.5	3421.2	3472.2	3539.7	3594.4
-17.5°	2784.3	2803.0	2807.7	2801.9	2800.9	2833.1	2882.0	2954.9	3011.8	3053.4	3112.7
-20°	2653.3	2712.2	2742.7	2736.6	2731.3	2725.5	2730.0	2735.7	2755.6	2791.5	2819.1



REPORT NUMBER: P902112 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NWB-LTM

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	2599.8	2670.2	2716.5	2705.7	2682.1	2677.0	2672.0	2667.8	2669.1	2685.8	2690.7
-25°	2548.7	2620.7	2675.6	2667.5	2649.9	2631.2	2626.0	2619.6	2624.2	2613.2	2615.8
-27.5°	2505.0	2571.0	2631.9	2641.3	2613.1	2593.9	2589.3	2587.9	2597.3	2578.0	2584.7
-30°	2474.5	2538.9	2596.5	2623.5	2603.0	2584.2	2580.0	2590.5	2588.9	2581.5	2583.5
-32.5°	2457.3	2521.0	2558.1	2592.9	2595.9	2583.5	2590.7	2600.6	2590.3	2594.0	2595.3
-35°	2445.1	2501.5	2538.5	2568.4	2598.2	2596.6	2608.3	2614.2	2616.7	2629.2	2632.8
-37.5°	2427.2	2494.2	2538.9	2575.7	2592.2	2606.6	2620.0	2623.6	2643.8	2663.6	2680.0
-40°	2399.2	2457.8	2512.8	2562.1	2600.7	2619.7	2640.9	2647.7	2685.9	2712.0	2747.1
-42.5°	2369.8	2430.0	2489.6	2575.7	2623.2	2685.2	2692.3	2720.5	2770.3	2799.5	2859.6
-45°	2332.9	2389.7	2478.6	2577.3	2694.3	2738.1	2795.3	2873.4	2961.6	3052.1	3123.7
-47.5°	2279.5	2344.6	2424.9	2531.6	2636.0	2754.5	2898.6	3043.7	3195.1	3320.6	3424.3
-50°	2249.6	2329.9	2464.6	2603.2	2734.6	2936.5	3187.4	3401.8	3586.3	3683.1	3740.2
-52.5°	2215.4	2358.3	2560.9	2789.6	3003.6	3362.7	3583.7	3704.0	3752.0	3610.7	3526.8
-55°	2380.6	2584.8	2794.4	3027.4	3193.3	3410.2	3351.6	3252.2	3121.9	3015.4	3078.8
-57.5°	2648.6	2989.7	3225.8	3244.3	3058.0	2865.6	2740.6	2731.3	2778.3	2883.9	2988.4
-60°	2981.4	3311.6	3368.2	3104.5	2822.3	2662.6	2638.1	2701.9	2805.8	2886.4	2986.2
-62.5°	3034.1	3206.2	3088.3	2778.7	2630.5	2618.9	2690.3	2773.4	2804.3	2865.4	2945.2
-65°	2550.4	2600.9	2512.7	2383.0	2402.3	2452.1	2504.1	2570.1	2632.7	2683.6	2728.5
-67.5°	1876.8	1983.0	2016.9	2037.4	2118.1	2195.2	2251.7	2309.3	2360.1	2406.6	2439.0
-70°	1510.0	1608.7	1706.8	1794.2	1874.1	1933.7	1974.3	2036.2	2101.0	2147.6	2167.6
-72.5°	1233.9	1356.7	1470.1	1561.3	1625.2	1657.4	1688.5	1742.7	1802.6	1842.7	1868.6
-75°	1025.1	1138.3	1259.6	1339.4	1377.3	1396.3	1413.9	1461.8	1506.5	1539.9	1572.4
-77.5°	862.9	957.8	1062.3	1130.7	1159.5	1182.0	1201.2	1222.2	1262.0	1302.2	1344.1
-80°	709.0	783.4	860.3	925.5	962.1	993.3	1015.2	1062.9	1093.6	1131.6	1156.8
-82.5°	558.0	608.5	660.4	714.1	751.7	776.8	806.1	838.0	864.7	894.8	908.8
-85°	337.3	378.6	417.1	452.5	477.6	499.0	530.7	546.2	570.0	590.9	613.3
-87.5°	52.2	65.6	78.0	88.6	97.9	107.1	116.8	125.2	138.9	145.1	152.6
-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: P902112 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NWB-LTM

**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°	64.7	64.5	63.1	63.7	63.1	64.5	64.7	63.7	64.1	62.8	61.6
85°	271.3	266.3	250.8	245.8	250.8	266.3	271.3	258.3	262.5	270.6	277.1
82.5°	719.2	728.7	718.8	699.5	718.8	728.7	719.2	724.6	724.7	781.3	839.5
80°	1565.2	1488.5	1470.0	1459.9	1470.0	1488.5	1565.2	1644.0	1749.2	1860.9	1886.0
77.5°	3622.2	3518.9	3450.3	3416.3	3450.3	3518.9	3622.2	3733.6	3765.3	3699.0	3637.9
75°	8410.4	8263.1	8156.9	8098.6	8156.9	8263.1	8410.4	8537.3	8595.6	8324.6	7833.4
72.5°	23056.2	22296.5	21876.5	21728.6	21876.5	22296.5	23056.2	24005.2	25027.0	25659.2	25548.9
70°	62592.8	60262.9	58904.7	58486.7	58904.7	60262.9	62592.8	64789.0	65887.8	65681.1	64333.9
67.5°	121681.4	121904.7	122359.8	122848.9	122359.8	121904.7	121681.4	120054.9	115739.2	108730.7	101440.1
65°	136542.5	137248.0	137929.0	138397.6	137929.0	137248.0	136542.5	134605.7	130995.1	126101.1	118356.4
62.5°	125148.4	124780.1	124771.7	124935.0	124771.7	124780.1	125148.4	124948.0	123868.6	122133.8	119545.3
60°	105024.0	103666.7	102942.3	102756.7	102942.3	103666.7	105024.0	106299.4	107165.5	107640.6	107661.8
57.5°	86725.7	85489.9	84830.5	84774.3	84830.5	85489.9	86725.7	88162.6	89877.1	91418.9	92825.7
55°	72506.8	71247.0	70577.0	70499.0	70577.0	71247.0	72506.8	73861.0	75144.4	77021.7	79314.7
52.5°	62154.7	61202.5	60741.7	60805.4	60741.7	61202.5	62154.7	63350.8	64964.6	66739.0	69202.0
50°	56666.0	55945.6	55534.8	55548.7	55534.8	55945.6	56666.0	57636.0	59096.8	61084.7	63536.2
47.5°	53552.0	53019.2	52710.6	52679.9	52710.6	53019.2	53552.0	54503.0	55895.7	57601.0	59889.9
45°	51442.5	51004.1	50726.6	50699.4	50726.6	51004.1	51442.5	52224.2	53497.6	55271.0	57622.2
42.5°	48269.9	47848.4	47667.9	47581.6	47667.9	47848.4	48269.9	48934.1	50106.5	51711.9	53934.6
40°	44367.1	44084.8	43987.9	43920.5	43987.9	44084.8	44367.1	44869.2	45824.1	47291.3	49289.8
37.5°	40220.8	39991.4	39834.0	39804.8	39834.0	39991.4	40220.8	40611.8	41502.7	42808.3	44429.4
35°	35327.8	35132.1	34936.6	34911.8	34936.6	35132.1	35327.8	35773.6	36712.9	37736.4	39372.4
32.5°	31649.2	31302.5	31060.2	31014.1	31060.2	31302.5	31649.2	32134.9	32962.7	34086.7	35567.3
30°	28467.9	27981.1	27699.2	27621.4	27699.2	27981.1	28467.9	29034.6	29878.3	31034.7	32508.9
27.5°	25762.3	25228.3	24910.9	24860.0	24910.9	25228.3	25762.3	26375.2	27199.9	28474.0	29980.0
25°	23527.5	23018.9	22667.9	22593.8	22667.9	23018.9	23527.5	24216.2	25150.3	26396.1	27904.9
22.5°	21793.8	21262.2	20883.8	20784.8	20883.8	21262.2	21793.8	22485.9	23478.4	24772.9	26326.6
20°	20403.9	19866.5	19519.5	19406.4	19519.5	19866.5	20403.9	21121.3	22165.7	23470.3	25007.1
17.5°	19289.1	18744.1	18445.1	18423.4	18445.1	18744.1	19289.1	20003.2	21008.1	22288.6	23833.0
15°	18326.9	17837.5	17605.0	17633.4	17605.0	17837.5	18326.9	18991.4	19971.7	21162.4	22629.5
12.5°	17515.4	17085.0	16916.8	16989.5	16916.8	17085.0	17515.4	18124.8	18968.5	20069.6	21335.6
10°	16802.8	16504.1	16373.4	16406.5	16373.4	16504.1	16802.8	17299.7	18002.8	18879.0	19909.7
7.5°	16168.7	15979.2	15909.6	15826.3	15909.6	15979.2	16168.7	16468.5	16919.8	17486.9	18185.5
5°	15249.9	15202.1	15134.1	15057.7	15134.1	15202.1	15249.9	15306.8	15453.4	15683.9	15948.1
2.5°	13803.5	13912.8	13882.2	13850.8	13882.2	13912.8	13803.5	13620.0	13468.5	13392.8	13291.9
0°	11860.7	12033.2	12114.2	12150.6	12114.2	12033.2	11860.7	11495.3	11179.0	10856.4	10506.4
-2.5°	9622.2	9822.6	9970.9	10048.6	9970.9	9822.6	9622.2	9240.4	8794.0	8347.0	7901.9
-5°	7382.8	7590.5	7719.9	7830.1	7719.9	7590.5	7382.8	7082.9	6707.8	6321.8	5982.5
-7.5°	5642.3	5787.0	5865.8	5965.1	5865.8	5787.0	5642.3	5491.9	5282.9	5091.2	4927.2
-10°	4671.2	4727.2	4760.3	4774.7	4760.3	4727.2	4671.2	4596.0	4512.9	4440.8	4364.8
-12.5°	4151.8	4185.4	4213.8	4217.7	4213.8	4185.4	4151.8	4121.1	4055.2	3985.2	3931.3
-15°	3634.0	3662.8	3691.6	3691.6	3691.6	3662.8	3634.0	3594.4	3539.7	3472.2	3421.2
-17.5°	3162.2	3176.0	3194.5	3199.7	3194.5	3176.0	3162.2	3112.7	3053.4	3011.8	2954.9
-20°	2867.6	2893.6	2931.3	2943.4	2931.3	2893.6	2867.6	2819.1	2791.5	2755.6	2735.7



REPORT NUMBER: P902112 (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°	2705.5	2722.3	2739.8	2734.1	2739.8	2722.3	2705.5	2690.7	2685.8	2669.1	2667.8
-25°	2612.8	2615.7	2606.4	2584.9	2606.4	2615.7	2612.8	2615.8	2613.2	2624.2	2619.6
-27.5°	2574.7	2562.1	2548.8	2508.0	2548.8	2562.1	2574.7	2584.7	2578.0	2597.3	2587.9
-30°	2568.0	2556.0	2550.7	2501.1	2550.7	2556.0	2568.0	2583.5	2581.5	2588.9	2590.5
-32.5°	2591.0	2582.3	2568.4	2506.6	2568.4	2582.3	2591.0	2595.3	2594.0	2590.3	2600.6
-35°	2631.5	2621.8	2604.1	2543.0	2604.1	2621.8	2631.5	2632.8	2629.2	2616.7	2614.2
-37.5°	2684.0	2673.1	2652.0	2587.6	2652.0	2673.1	2684.0	2680.0	2663.6	2643.8	2623.6
-40°	2760.7	2753.4	2736.3	2681.3	2736.3	2753.4	2760.7	2747.1	2712.0	2685.9	2647.7
-42.5°	2900.1	2915.5	2901.5	2845.2	2901.5	2915.5	2900.1	2859.6	2799.5	2770.3	2720.5
-45°	3176.6	3205.8	3205.1	3150.1	3205.1	3205.8	3176.6	3123.7	3052.1	2961.6	2873.4
-47.5°	3495.4	3549.4	3555.5	3508.2	3555.5	3549.4	3495.4	3424.3	3320.6	3195.1	3043.7
-50°	3814.3	3869.5	3890.8	3850.0	3890.8	3869.5	3814.3	3740.2	3683.1	3586.3	3401.8
-52.5°	3488.6	3476.5	3437.8	3381.3	3437.8	3476.5	3488.6	3526.8	3610.7	3752.0	3704.0
-55°	3131.7	3182.9	3186.3	3148.3	3186.3	3182.9	3131.7	3078.8	3015.4	3121.9	3252.2
-57.5°	3114.8	3211.7	3220.1	3181.5	3220.1	3211.7	3114.8	2988.4	2883.9	2778.3	2731.3
-60°	3104.4	3195.0	3205.1	3163.7	3205.1	3195.0	3104.4	2986.2	2886.4	2805.8	2701.9
-62.5°	3022.7	3069.2	3065.1	3043.1	3065.1	3069.2	3022.7	2945.2	2865.4	2804.3	2773.4
-65°	2797.5	2839.6	2839.3	2850.6	2839.3	2839.6	2797.5	2728.5	2683.6	2632.7	2570.1
-67.5°	2491.2	2524.0	2559.6	2572.1	2559.6	2524.0	2491.2	2439.0	2406.6	2360.1	2309.3
-70°	2193.3	2225.8	2217.8	2219.0	2217.8	2225.8	2193.3	2167.6	2147.6	2101.0	2036.2
-72.5°	1890.6	1908.0	1911.0	1875.9	1911.0	1908.0	1890.6	1868.6	1842.7	1802.6	1742.7
-75°	1627.0	1651.4	1650.8	1632.0	1650.8	1651.4	1627.0	1572.4	1539.9	1506.5	1461.8
-77.5°	1420.6	1441.6	1432.8	1415.3	1432.8	1441.6	1420.6	1344.1	1302.2	1262.0	1222.2
-80°	1223.4	1238.8	1227.9	1216.0	1227.9	1238.8	1223.4	1156.8	1131.6	1093.6	1062.9
-82.5°	948.5	969.3	960.5	953.4	960.5	969.3	948.5	908.8	894.8	864.7	838.0
-85°	624.4	645.5	650.8	637.1	650.8	645.5	624.4	613.3	590.9	570.0	546.2
-87.5°	156.8	162.3	164.3	161.1	164.3	162.3	156.8	152.6	145.1	138.9	125.2
-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°	60.2	59.2	56.5	52.0	47.5	54.7	51.4	48.7	52.3	48.5	37.0
85°	288.9	288.4	269.1	240.2	206.8	173.8	151.0	133.1	126.0	115.3	101.7
82.5°	863.4	828.8	753.1	652.7	523.2	417.6	329.5	269.1	237.3	210.1	192.8
80°	1861.3	1786.9	1660.6	1466.0	1203.6	969.3	757.1	577.7	460.5	385.1	337.1
77.5°	3600.5	3482.2	3271.2	2961.3	2585.6	2172.0	1692.1	1267.7	972.3	750.8	595.3
75°	7110.6	6856.1	6956.1	6828.7	6264.8	5231.4	3790.6	2501.7	1893.4	1531.7	1212.3
72.5°	24397.8	22771.8	22180.2	21165.8	18352.8	14194.8	9818.5	6685.5	5121.9	3951.6	2847.4
70°	61461.0	57187.1	52278.2	46208.4	39392.1	31510.5	22850.6	15701.6	11235.5	8452.2	6472.0
67.5°	93543.0	85067.0	76446.3	66739.4	56309.7	47158.7	38493.8	28619.9	19618.1	13706.2	10233.2
65°	109124.1	99491.6	89424.9	78346.5	66627.2	55129.4	44050.3	34235.7	26276.0	19027.7	13625.1
62.5°	113487.5	105335.1	96891.3	88050.1	76820.5	63914.2	50930.9	39495.7	30630.5	24083.3	17644.3
60°	106154.8	102046.8	97022.6	91117.2	82844.6	71869.5	59265.1	45858.8	34593.6	26999.4	21109.4
57.5°	93689.6	93053.2	91149.5	88433.4	83635.9	75800.9	65503.0	51873.7	38872.9	29559.1	23659.5
55°	81512.7	82676.9	82768.9	82398.9	80410.0	75703.1	68536.5	56421.9	43233.0	32116.8	24826.5
52.5°	71870.7	74208.6	75437.7	75837.0	75271.2	73218.7	68079.9	59080.0	47047.0	34852.8	26130.9
50°	66168.1	69142.2	71458.5	72396.4	73123.0	71872.9	68955.6	61600.6	51291.2	38469.8	28562.4
47.5°	62803.0	65890.3	68809.7	70644.6	71693.6	71791.6	69769.6	64524.9	55343.8	43494.8	32147.4
45°	60290.5	63399.1	66829.5	69162.9	71080.6	71779.5	70941.9	67294.3	59377.3	48503.1	35891.6
42.5°	56554.2	59616.2	63265.7	66281.1	68660.3	70377.6	70639.8	68896.8	62731.4	53072.6	41323.0
40°	51720.3	54602.5	57950.8	61438.4	64276.8	66634.5	68213.6	67908.7	64405.9	56386.3	45412.3
37.5°	46628.8	49137.0	52384.6	55801.9	58719.2	61510.8	63708.5	64451.1	62522.0	57039.2	47974.3
35°	41282.9	43713.4	46381.4	49958.8	53024.6	55624.6	58172.2	59867.9	59271.6	55251.2	47767.4
32.5°	37468.4	39727.6	42425.9	45646.2	48756.5	51465.8	53970.5	56094.0	56405.5	53563.2	47438.4
30°	34393.8	36592.8	39171.0	42311.7	45355.6	48045.0	50564.0	52757.9	53758.3	52113.7	47105.1
27.5°	31828.1	33994.3	36476.3	39446.4	42448.0	44976.3	47403.7	49646.2	50954.0	49994.2	45940.6
25°	29819.3	31936.3	34317.8	37128.1	39969.3	42403.4	44560.2	46739.8	48254.9	47805.7	44420.6
22.5°	28190.6	30314.7	32592.1	35190.9	37925.1	40272.4	42231.9	44088.3	45434.0	45092.6	42035.8
20°	26885.7	28891.7	31093.4	33544.3	36144.8	38247.2	39941.3	41460.6	42695.8	42229.5	39310.7
17.5°	25616.9	27585.2	29593.4	31875.5	34213.1	36121.5	37415.4	38529.6	39268.8	38472.8	35816.5
15°	24316.7	26124.6	27951.7	29909.9	31918.8	33418.9	34353.9	34936.6	35155.0	34154.2	31641.9
12.5°	22821.8	24375.4	25928.9	27438.4	29067.4	30007.7	30453.7	30632.5	30462.7	29424.0	27165.5
10°	21023.0	22232.7	23356.2	24394.1	25386.6	25915.2	25922.1	25834.5	25371.8	24233.9	22286.5
7.5°	18887.7	19558.7	20116.1	20676.7	21232.1	21300.1	21102.9	20735.1	20141.0	19015.2	17367.5
5°	16190.0	16400.5	16534.1	16659.6	16784.9	16598.0	16149.6	15692.1	15033.4	14067.8	12756.7
2.5°	13181.0	13021.6	12822.0	12666.0	12491.5	12069.1	11562.1	11081.4	10556.4	9899.0	9124.9
0°	10110.0	9721.4	9331.8	9001.0	8673.8	8225.5	7794.6	7493.3	7261.2	7033.7	6763.4
-2.5°	7459.2	7064.2	6671.2	6401.2	6214.7	6013.0	5861.9	5743.1	5663.9	5575.5	5448.5
-5°	5700.3	5429.9	5184.5	5041.2	4976.6	4876.3	4770.9	4700.7	4621.2	4536.6	4416.0
-7.5°	4800.7	4670.3	4525.7	4428.9	4349.6	4241.5	4076.3	3916.2	3790.0	3686.8	3571.9
-10°	4311.4	4217.4	4089.1	3967.3	3851.5	3710.4	3536.8	3350.3	3224.9	3123.9	3030.0
-12.5°	3856.6	3756.7	3625.0	3503.4	3398.8	3306.0	3186.2	3048.7	2936.8	2873.8	2816.4
-15°	3301.5	3260.9	3204.3	3147.1	3109.3	3061.1	2983.7	2889.6	2800.7	2766.0	2724.9
-17.5°	2882.0	2833.1	2800.9	2801.9	2807.7	2803.0	2784.3	2739.1	2693.9	2685.8	2664.1
-20°	2730.0	2725.5	2731.3	2736.6	2742.7	2712.2	2653.3	2604.2	2566.6	2595.2	2587.2



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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°	2672.0	2677.0	2682.1	2705.7	2716.5	2670.2	2599.8	2533.5	2480.9	2496.5	2502.7
-25°	2626.0	2631.2	2649.9	2667.5	2675.6	2620.7	2548.7	2478.8	2430.8	2406.0	2418.6
-27.5°	2589.3	2593.9	2613.1	2641.3	2631.9	2571.0	2505.0	2441.7	2398.0	2363.4	2330.2
-30°	2580.0	2584.2	2603.0	2623.5	2596.5	2538.9	2474.5	2422.0	2377.0	2332.8	2283.9
-32.5°	2590.7	2583.5	2595.9	2592.9	2558.1	2521.0	2457.3	2408.3	2350.4	2299.9	2239.2
-35°	2608.3	2596.6	2598.2	2568.4	2538.5	2501.5	2445.1	2393.2	2335.7	2277.2	2229.9
-37.5°	2620.0	2606.6	2592.2	2575.7	2538.9	2494.2	2427.2	2370.9	2320.4	2268.4	2238.4
-40°	2640.9	2619.7	2600.7	2562.1	2512.8	2457.8	2399.2	2340.0	2295.6	2265.4	2177.7
-42.5°	2692.3	2685.2	2623.2	2575.7	2489.6	2430.0	2369.8	2315.0	2265.2	2207.7	2114.6
-45°	2795.3	2738.1	2694.3	2577.3	2478.6	2389.7	2332.9	2282.7	2205.5	2140.4	2046.4
-47.5°	2898.6	2754.5	2636.0	2531.6	2424.9	2344.6	2279.5	2220.1	2141.0	2077.5	1994.7
-50°	3187.4	2936.5	2734.6	2603.2	2464.6	2329.9	2249.6	2161.6	2089.8	2046.2	1950.9
-52.5°	3583.7	3362.7	3003.6	2789.6	2560.9	2358.3	2215.4	2157.3	2088.1	2023.2	1920.2
-55°	3351.6	3410.2	3193.3	3027.4	2794.4	2584.8	2380.6	2204.2	2091.4	1994.7	1871.4
-57.5°	2740.6	2865.6	3058.0	3244.3	3225.8	2989.7	2648.6	2305.3	2118.0	1981.5	1866.6
-60°	2638.1	2662.6	2822.3	3104.5	3368.2	3311.6	2981.4	2492.7	2170.3	1963.1	1785.3
-62.5°	2690.3	2618.9	2630.5	2778.7	3088.3	3206.2	3034.1	2520.3	2053.1	1818.9	1598.3
-65°	2504.1	2452.1	2402.3	2383.0	2512.7	2600.9	2550.4	2168.0	1763.4	1529.6	1366.7
-67.5°	2251.7	2195.2	2118.1	2037.4	2016.9	1983.0	1876.8	1665.7	1457.0	1288.9	1149.9
-70°	1974.3	1933.7	1874.1	1794.2	1706.8	1608.7	1510.0	1344.0	1208.4	1087.7	965.5
-72.5°	1688.5	1657.4	1625.2	1561.3	1470.1	1356.7	1233.9	1111.7	1008.8	911.5	821.5
-75°	1413.9	1396.3	1377.3	1339.4	1259.6	1138.3	1025.1	928.8	842.3	766.5	694.2
-77.5°	1201.2	1182.0	1159.5	1130.7	1062.3	957.8	862.9	777.9	712.2	649.3	590.6
-80°	1015.2	993.3	962.1	925.5	860.3	783.4	709.0	653.4	596.1	538.2	485.8
-82.5°	806.1	776.8	751.7	714.1	660.4	608.5	558.0	501.9	459.8	409.0	361.2
-85°	530.7	499.0	477.6	452.5	417.1	378.6	337.3	300.9	274.3	238.1	208.6
-87.5°	116.8	107.1	97.9	88.6	78.0	65.6	52.2	45.1	43.6	41.9	40.2
-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):**

	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°	35.4	33.7	31.9	30.0	28.1	26.2	24.2	22.1	20.0	17.9	15.7
85°	92.0	86.0	79.7	71.8	64.9	58.6	52.2	45.4	40.0	35.8	31.5
82.5°	175.3	160.4	144.8	126.8	110.3	100.5	90.7	78.9	69.4	59.8	50.3
80°	294.9	258.3	228.4	204.0	180.1	158.0	137.1	114.5	99.6	86.9	75.3
77.5°	473.5	379.6	339.9	301.2	259.6	221.7	190.0	159.0	137.7	116.8	100.2
75°	788.2	600.8	516.5	439.1	346.7	297.8	258.1	210.4	177.6	152.9	129.1
72.5°	2157.4	1592.6	983.4	633.7	507.2	400.4	331.9	280.1	228.1	188.8	159.8
70°	4769.3	3146.8	1800.8	1045.1	675.5	520.4	425.8	349.7	281.9	230.7	189.6
67.5°	7542.4	4969.8	2821.0	1488.1	826.8	629.5	513.9	422.0	338.0	271.8	220.0
65°	10206.6	7055.6	4248.6	1951.2	1070.8	736.7	598.8	493.4	398.3	315.6	248.9
62.5°	12961.1	9512.7	6002.0	3147.4	1448.4	885.6	691.2	567.1	457.0	363.9	275.9
60°	15681.4	11629.8	8057.2	4462.1	2020.2	1110.0	802.2	640.1	514.3	409.0	312.7
57.5°	18233.3	13241.1	9493.7	5934.6	2913.4	1372.4	922.7	726.8	568.1	454.1	348.2
55°	19897.6	14983.4	10692.1	7087.5	3755.1	1784.2	1048.7	812.5	638.3	499.5	382.8
52.5°	20995.3	16488.2	11618.5	8089.6	4811.3	2207.2	1206.8	903.7	706.3	544.9	421.1
50°	22000.4	18080.3	13441.3	8922.5	5768.7	2986.5	1476.0	983.5	771.0	603.2	457.1
47.5°	24281.8	19286.7	15446.7	10618.4	6715.5	3739.3	1765.0	1121.0	842.4	657.9	490.0
45°	26894.3	21011.8	16755.3	12518.7	7942.8	4628.0	2304.9	1252.7	909.6	708.0	527.0
42.5°	30119.6	23020.3	18376.4	14094.8	9522.3	5622.4	2743.6	1406.7	990.8	762.7	570.3
40°	34111.1	25672.1	20068.3	15723.2	10956.2	6758.7	3578.7	1725.2	1071.5	814.2	609.4
37.5°	36685.5	27613.1	21415.3	16597.8	12150.8	7825.6	4356.3	1934.1	1140.9	862.1	643.7
35°	37677.6	28382.5	21701.7	16779.7	12803.5	8576.3	4948.8	2201.0	1235.4	904.0	675.6
32.5°	38278.4	28979.7	21947.4	16700.7	12645.7	8931.0	5454.4	2619.8	1327.2	943.4	704.0
30°	38973.5	29371.2	22233.9	16655.5	12455.9	9141.2	5819.8	2868.4	1394.7	974.7	729.2
27.5°	38677.2	29732.1	22353.8	16683.2	12405.5	9141.8	6053.4	2991.4	1436.3	1003.3	752.1
25°	37949.7	29426.0	22020.2	16489.4	12187.4	8990.8	6081.4	3233.6	1542.5	1031.4	772.4
22.5°	36207.0	28346.1	21281.3	15935.1	11800.0	8712.7	6005.8	3323.6	1634.4	1059.4	785.0
20°	33879.6	26783.1	20165.9	15132.4	11262.0	8373.0	5835.5	3355.3	1657.5	1074.3	795.1
17.5°	31018.3	24651.1	18580.3	14058.2	10584.5	7913.5	5636.2	3278.7	1645.7	1087.1	801.6
15°	27404.1	21952.7	16679.6	12764.5	9765.6	7431.3	5323.0	3147.8	1626.0	1095.1	808.7
12.5°	23480.9	18937.8	14621.3	11370.1	8862.0	6869.6	4994.4	2995.1	1568.1	1095.7	816.9
10°	19317.7	15797.0	12392.0	9886.8	7958.7	6308.1	4613.3	2800.1	1556.7	1087.1	820.7
7.5°	15118.4	12649.7	10256.3	8418.4	7018.6	5710.3	4209.5	2592.0	1522.0	1071.4	820.4
5°	11292.8	9814.1	8360.3	7204.1	6193.5	5095.8	3760.7	2338.1	1465.9	1061.2	815.8
2.5°	8348.7	7582.8	6800.9	6100.3	5358.3	4434.8	3287.6	2109.4	1407.4	1050.4	807.8
0°	6424.8	6041.6	5609.3	5132.4	4527.1	3738.9	2777.8	1850.4	1335.2	1035.8	796.4
-2.5°	5255.7	4985.3	4645.2	4248.0	3741.3	3121.5	2420.3	1734.9	1306.6	1029.2	790.2
-5°	4269.4	4045.1	3779.0	3466.7	3067.7	2574.4	2073.7	1613.1	1273.4	1018.8	780.9
-7.5°	3480.8	3314.4	3095.6	2820.3	2564.4	2246.5	1915.7	1544.8	1241.3	1004.2	768.8
-10°	2972.5	2849.2	2662.6	2512.2	2324.2	2051.2	1779.7	1485.3	1207.4	985.4	755.4
-12.5°	2746.1	2635.6	2514.6	2350.4	2170.1	1975.3	1743.8	1446.9	1173.8	962.9	740.2
-15°	2659.8	2563.5	2429.7	2271.4	2111.9	1929.4	1706.5	1412.9	1161.8	938.3	723.2
-17.5°	2601.3	2504.7	2373.0	2230.9	2064.7	1890.8	1667.9	1382.3	1142.2	912.5	704.4
-20°	2549.0	2447.9	2328.4	2190.0	2022.4	1839.8	1621.7	1344.8	1104.1	883.6	682.8



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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°	2479.6	2390.3	2288.3	2146.1	1973.5	1774.6	1563.8	1290.3	1057.0	851.9	658.2
-25°	2399.5	2323.4	2237.8	2081.1	1912.5	1716.4	1504.7	1231.6	1010.8	818.9	633.3
-27.5°	2305.5	2253.6	2173.2	1994.7	1839.2	1652.7	1445.2	1169.2	968.7	787.0	610.4
-30°	2224.9	2173.0	2094.9	1919.4	1776.6	1598.0	1377.2	1125.4	926.0	753.3	585.6
-32.5°	2188.3	2116.2	1982.7	1841.1	1711.6	1529.6	1304.2	1081.4	882.4	719.2	558.9
-35°	2164.6	2059.8	1902.3	1759.7	1652.3	1457.6	1225.2	1034.0	844.1	685.1	531.9
-37.5°	2122.8	1989.7	1842.6	1697.9	1573.6	1395.5	1167.5	990.8	803.6	652.4	507.6
-40°	2055.5	1923.7	1785.9	1629.3	1499.1	1339.6	1128.0	939.5	762.8	620.3	484.4
-42.5°	1984.0	1848.5	1706.3	1568.3	1436.7	1273.5	1061.0	878.3	720.8	588.0	459.2
-45°	1917.6	1801.5	1666.7	1537.0	1385.3	1213.5	987.4	820.8	679.0	555.6	432.1
-47.5°	1881.6	1765.0	1652.0	1485.0	1322.9	1146.0	918.8	765.6	639.2	523.6	407.3
-50°	1848.4	1713.1	1611.6	1431.0	1246.3	1043.7	855.1	711.6	596.8	488.5	383.1
-52.5°	1811.2	1671.7	1544.8	1341.5	1137.6	943.1	786.5	662.3	555.7	452.8	356.6
-55°	1761.9	1611.3	1436.3	1214.8	1017.2	849.2	719.4	609.8	513.7	421.8	328.7
-57.5°	1701.3	1526.3	1296.1	1075.8	910.9	765.3	656.9	562.6	471.0	390.3	305.9
-60°	1604.5	1358.2	1132.5	954.9	812.1	699.7	603.4	515.3	434.5	359.3	283.7
-62.5°	1384.0	1181.1	991.9	847.8	730.8	638.5	555.6	473.4	397.9	330.1	260.6
-65°	1181.0	1011.1	879.2	762.6	650.2	578.0	502.8	430.2	362.1	299.7	242.3
-67.5°	1009.9	880.4	774.2	675.9	575.0	514.2	446.6	384.4	324.0	270.9	221.9
-70°	862.7	760.6	673.8	595.3	511.2	451.7	397.8	339.0	287.3	242.9	199.2
-72.5°	736.1	656.5	592.7	522.0	451.1	400.0	349.1	298.9	253.1	213.9	173.6
-75°	622.0	565.5	514.6	450.4	392.5	352.3	306.0	259.7	218.1	183.7	147.4
-77.5°	531.8	483.7	439.8	382.7	340.4	307.6	260.1	217.0	182.4	152.6	118.6
-80°	442.4	406.8	362.5	311.8	275.4	244.2	204.8	171.9	143.0	113.6	86.0
-82.5°	331.8	300.4	258.3	220.6	197.4	170.8	139.2	112.3	90.3	70.6	53.0
-85°	187.9	164.0	136.0	111.1	94.7	78.9	62.5	48.6	40.0	35.8	31.5
-87.5°	38.4	36.6	34.6	30.0	28.1	26.2	24.2	22.1	20.0	17.9	15.7
-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°	13.6	11.3	9.1	6.8	4.6	2.3	0.0
85°	27.1	22.6	18.2	13.7	9.1	4.6	0.0
82.5°	40.6	33.9	27.2	20.5	13.7	6.8	0.0
80°	61.3	47.1	36.2	27.2	18.2	9.1	0.0
77.5°	82.7	65.0	47.0	33.9	22.6	11.3	0.0
75°	103.8	82.7	60.7	40.6	27.1	13.6	0.0
72.5°	127.1	100.2	74.0	48.3	31.5	15.7	0.0
70°	150.4	116.7	86.8	56.1	35.8	17.9	0.0
67.5°	172.6	131.4	98.9	63.6	40.0	20.0	0.0
65°	193.9	144.6	108.6	70.8	44.2	22.1	0.0
62.5°	214.0	156.2	116.5	77.6	48.1	24.2	0.0
60°	232.6	169.5	124.4	84.1	51.9	26.2	0.0
57.5°	249.6	186.7	132.4	90.2	55.6	28.1	0.0
55°	279.8	204.3	140.3	96.8	59.1	30.0	0.0
52.5°	309.1	222.5	149.6	103.4	62.5	31.9	0.0
50°	335.5	240.7	163.9	109.8	65.7	33.7	0.0
47.5°	359.8	260.1	177.5	116.1	68.7	35.4	0.0
45°	388.0	279.0	190.0	122.3	71.5	37.0	0.0
42.5°	415.5	297.2	201.4	128.3	74.2	38.6	0.0
40°	441.4	314.6	211.6	134.1	76.6	40.1	0.0
37.5°	462.5	331.4	220.7	139.7	78.8	41.5	0.0
35°	483.2	345.4	230.1	146.1	81.9	42.8	0.0
32.5°	503.5	357.4	238.9	152.4	85.2	43.9	0.0
30°	521.0	369.0	246.5	158.3	88.2	44.9	0.0
27.5°	538.0	380.0	254.5	163.6	91.2	45.9	0.0
25°	551.8	390.4	261.6	168.4	94.0	46.7	0.0
22.5°	561.7	399.8	267.6	172.7	96.5	47.5	0.0
20°	569.0	407.1	272.6	176.5	98.6	48.3	0.0
17.5°	576.5	412.4	276.6	179.3	100.5	48.9	0.0
15°	582.6	416.2	279.6	181.2	102.1	49.4	0.0
12.5°	586.6	418.3	281.5	182.5	103.4	49.9	0.0
10°	588.5	419.2	282.5	183.2	104.4	50.3	0.0
7.5°	589.8	419.0	282.7	183.3	105.1	50.6	0.0
5°	588.8	417.6	282.1	183.0	105.5	50.8	0.0
2.5°	585.0	414.7	280.7	182.1	105.7	51.0	0.0
0°	578.9	410.5	278.5	180.7	105.6	51.0	0.0
-2.5°	577.1	409.6	277.1	181.3	106.2	51.1	0.0
-5°	573.2	407.2	275.1	181.5	106.5	51.2	0.0
-7.5°	567.2	403.3	272.4	181.2	106.7	51.1	0.0
-10°	559.1	397.9	269.1	180.3	106.6	51.0	0.0
-12.5°	548.3	391.0	265.4	178.9	106.3	50.7	0.0
-15°	535.0	382.7	261.6	176.9	105.9	50.3	0.0
-17.5°	519.0	374.1	258.2	174.3	105.4	49.8	0.0
-20°	501.9	365.1	254.0	171.0	104.7	49.2	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	488.4	355.2	249.0	166.8	103.9	48.5	0.0
-25°	474.5	345.2	243.2	162.1	103.0	47.7	0.0
-27.5°	458.6	334.9	236.7	157.0	102.0	46.7	0.0
-30°	440.9	324.1	229.5	151.4	101.0	45.6	0.0
-32.5°	422.8	312.9	223.0	145.5	99.6	44.3	0.0
-35°	403.7	301.2	215.7	139.1	98.1	43.0	0.0
-37.5°	385.2	289.1	207.8	133.5	96.1	41.5	0.0
-40°	367.5	276.4	200.0	130.7	93.0	40.1	0.0
-42.5°	348.9	263.0	191.9	128.2	89.6	38.6	0.0
-45°	330.1	248.8	183.5	126.0	85.9	37.0	0.0
-47.5°	310.4	233.8	174.7	123.3	81.8	35.4	0.0
-50°	292.2	218.1	165.6	120.1	77.4	33.7	0.0
-52.5°	272.2	207.8	156.6	116.5	72.7	31.9	0.0
-55°	250.1	198.0	150.2	112.4	67.8	30.0	0.0
-57.5°	228.3	188.0	144.1	107.9	62.5	28.1	0.0
-60°	218.3	177.6	137.5	99.3	57.0	26.2	0.0
-62.5°	207.2	167.1	130.5	90.0	51.3	24.2	0.0
-65°	194.8	156.0	123.0	80.4	45.3	22.1	0.0
-67.5°	179.8	144.5	112.1	70.6	40.0	20.0	0.0
-70°	161.9	132.4	97.0	60.5	35.8	17.9	0.0
-72.5°	142.6	115.2	81.3	50.2	31.5	15.7	0.0
-75°	120.6	93.3	64.9	40.6	27.1	13.6	0.0
-77.5°	93.7	71.0	48.1	33.9	22.6	11.3	0.0
-80°	66.5	48.5	36.2	27.2	18.2	9.1	0.0
-82.5°	40.6	33.9	27.2	20.5	13.7	6.8	0.0
-85°	27.1	22.6	18.2	13.7	9.1	4.6	0.0
-87.5°	13.6	11.3	9.1	6.8	4.6	2.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)