

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: P902074 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/13/2024

Test Information

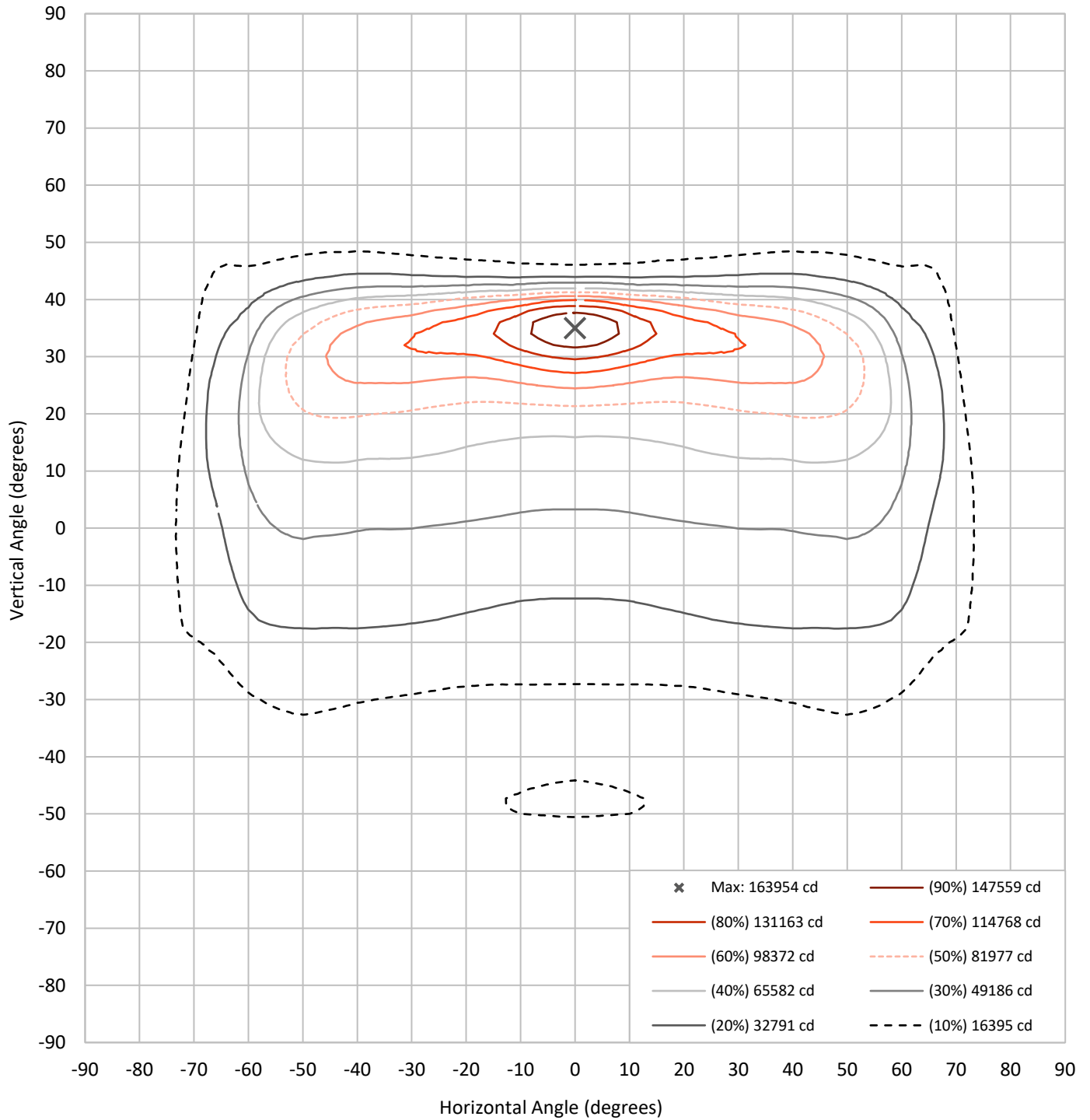
Test Method: LM-79-08
Report Number: P902074 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVM2047900)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A35-VWB
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A35-VWB OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	7H x 5V
Luminaire Lumens:	162144.9 lumens	Max Intensity:	163954 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 35°V
Efficacy:	114.8 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	97.4°H x 19.9°V	Field Angle (10%):	138.8°H x 73.2°V
Beam Lumens:	53179.6 lumens	Field Lumens:	141514.7 lumens
Beam Efficiency:	32.8%	Field Efficiency:	87.3%
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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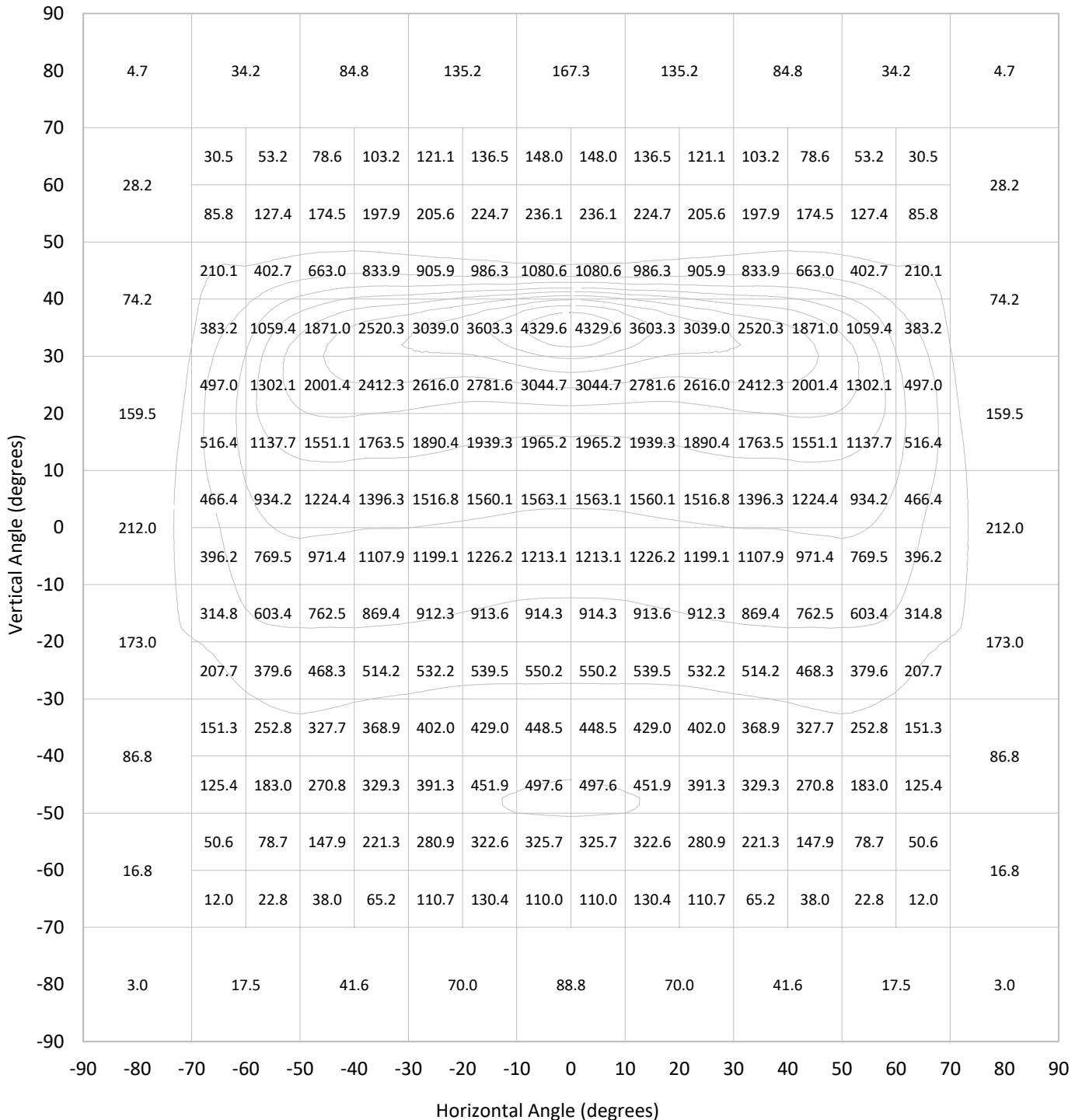
Iso-Candela Plot





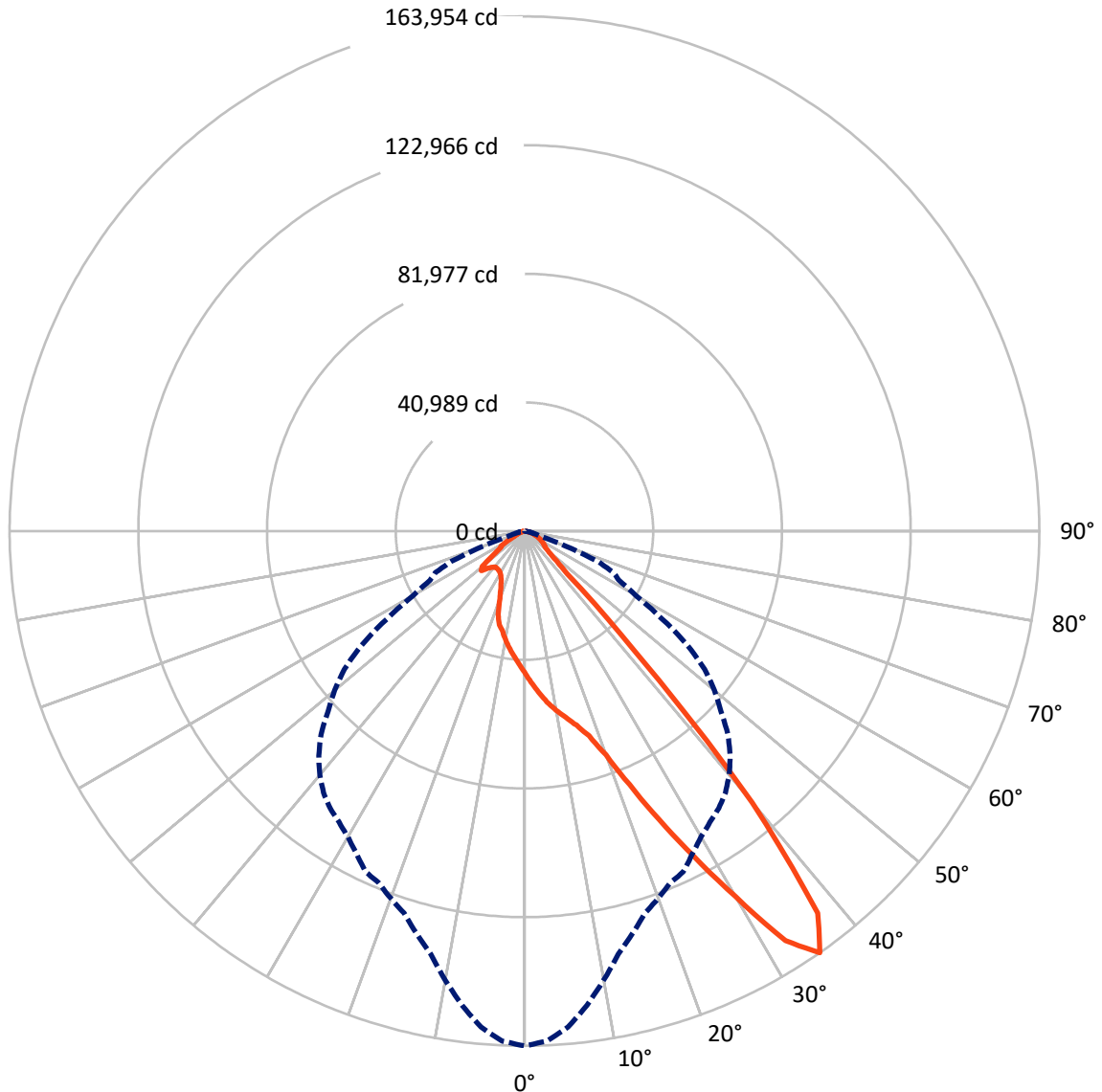
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Lumen Table



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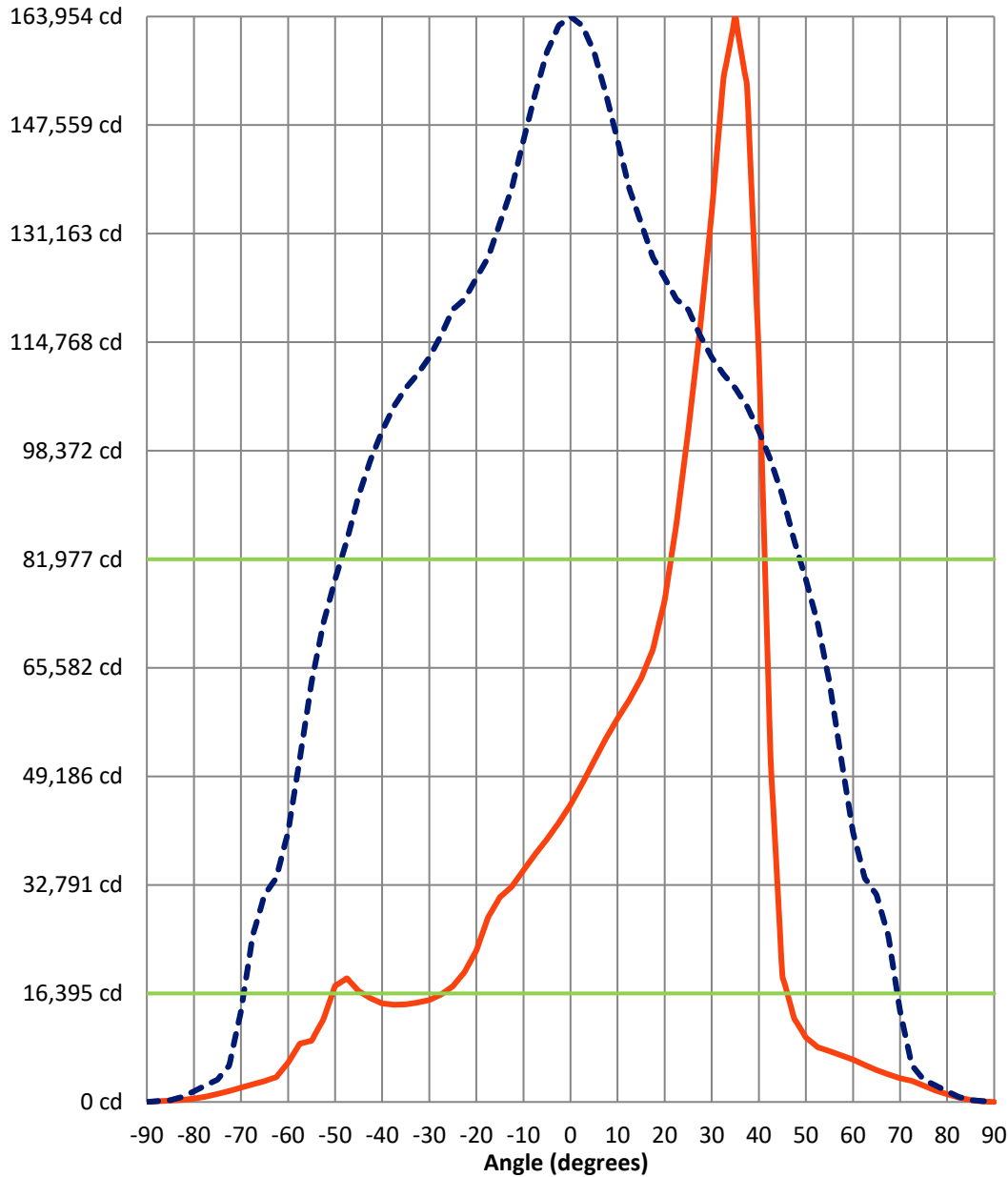
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 35-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 97.4°
 V Angle: 19.9°
 Lumens: 53179.6
 Efficiency: 32.8%

Field:
 H Angle: 138.8°
 V Angle: 73.2°
 Lumens: 141514.7
 Efficiency: 87.3%

Spill:
 Lumens: 20630.2
 Efficiency: 12.7%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 35-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	7.8	14.9	21.8	30.3	39.4	46.8	50.9	56.3	60.9	61.8
85°	0.0	15.5	29.8	43.5	60.6	78.6	93.5	101.8	112.7	121.8	128.3
82.5°	0.0	23.2	44.6	65.2	90.6	117.7	140.1	166.4	193.6	214.4	233.4
80°	0.0	30.9	59.4	86.8	120.5	166.6	218.9	258.3	288.0	310.8	351.5
77.5°	0.0	38.5	74.1	108.3	161.3	240.7	301.4	350.1	409.4	471.3	523.8
75°	0.0	46.0	88.7	129.6	221.3	314.4	384.1	493.1	594.8	652.1	721.0
72.5°	0.0	53.4	103.2	163.9	279.7	387.6	522.5	666.1	780.8	905.3	985.0
70°	0.0	60.8	117.5	199.9	336.4	488.3	679.0	839.8	1058.7	1203.2	1303.6
67.5°	0.0	68.0	131.6	233.9	391.0	617.7	834.3	1093.9	1349.3	1582.4	1744.1
65°	0.0	75.1	146.1	265.6	467.0	744.7	1022.8	1360.5	1697.2	2048.7	2305.2
62.5°	0.0	82.0	160.5	294.8	561.8	869.0	1245.5	1626.9	2136.3	2633.5	3148.1
60°	0.0	88.8	174.3	321.2	653.8	1013.5	1462.5	1982.9	2581.8	3651.3	4156.6
57.5°	0.0	95.4	187.5	347.5	743.0	1181.5	1673.2	2320.5	3305.9	4642.2	5551.4
55°	0.0	101.8	200.0	404.9	829.2	1343.8	1904.2	2618.4	4001.5	6198.1	7207.5
52.5°	0.0	108.0	211.7	459.0	919.9	1499.6	2124.0	2988.5	4591.7	8064.0	9296.6
50°	0.0	114.0	222.7	509.6	1039.7	1648.1	2335.7	3293.3	5859.6	10277.0	11696.4
47.5°	0.0	119.8	232.8	556.6	1152.0	1814.2	2537.5	3514.8	6963.1	12320.4	14649.1
45°	0.0	125.3	242.2	599.8	1252.6	1971.8	2708.0	3855.5	7697.7	14358.8	18137.2
42.5°	0.0	130.6	250.6	639.2	1348.4	2120.3	2844.0	4336.1	9238.7	16859.8	21989.3
40°	0.0	135.7	258.2	676.8	1439.1	2259.6	2972.5	4685.5	10670.1	19887.7	24831.1
37.5°	0.0	140.5	265.0	710.9	1524.5	2389.2	3127.6	4890.4	11981.6	22547.1	28047.1
35°	0.0	144.6	282.8	761.1	1611.0	2509.5	3377.3	5556.7	13751.0	25119.1	31276.0
32.5°	0.0	148.3	302.8	813.0	1694.2	2634.2	3671.2	6720.4	15823.3	27678.2	33132.4
30°	0.0	151.7	320.6	858.2	1771.1	2766.0	3950.6	7874.8	17678.5	29959.9	34637.8
27.5°	0.0	155.0	338.8	896.7	1829.7	2903.8	4302.3	8876.7	19473.6	32482.7	35706.7
25°	0.0	158.0	354.8	928.5	1880.8	3045.9	4702.9	9728.5	21127.9	33781.1	36966.1
22.5°	0.0	160.8	368.5	953.7	1925.5	3193.3	5126.9	11079.6	22855.7	33900.5	37918.5
20°	0.0	163.3	379.9	972.7	1963.5	3351.8	5702.8	12682.0	24565.7	34004.5	38300.2
17.5°	0.0	165.5	389.2	983.6	1994.6	3514.6	6594.7	14088.9	26077.7	33941.6	38397.9
15°	0.0	167.5	396.4	987.2	2018.5	3726.2	7477.2	15388.5	27186.5	33608.8	38189.7
12.5°	0.0	169.2	401.7	984.3	2032.9	3993.1	8300.0	16602.4	27797.0	33200.3	37805.2
10°	0.0	170.6	405.0	975.3	2039.3	4254.6	9057.4	17631.8	27894.7	32324.5	37095.4
7.5°	0.0	171.7	406.6	960.8	2038.1	4504.4	9736.0	18433.9	27620.7	31323.3	36028.4
5°	0.0	172.5	406.6	941.3	2028.8	4731.1	10327.9	18823.3	26750.6	30146.6	34824.7
2.5°	0.0	173.1	405.0	917.2	2010.9	4925.0	10833.7	19044.2	25562.2	28769.4	33514.5
0°	0.0	173.3	402.1	889.2	1984.1	5076.5	11253.5	19124.1	24228.1	27322.9	32096.3
-2.5°	0.0	173.2	400.0	875.9	1950.0	5269.7	11604.2	18851.8	23064.5	26150.7	30970.3
-5°	0.0	172.7	396.7	859.4	1906.8	5401.6	11876.4	18506.4	21874.2	24891.8	29727.9
-7.5°	0.0	172.0	392.3	839.9	1855.0	5463.2	12077.8	18127.7	20793.1	23748.2	28484.7
-10°	0.0	171.0	386.8	817.7	1795.0	5445.8	12168.8	17687.9	20022.6	22673.5	27178.4
-12.5°	0.0	169.6	380.3	793.1	1727.3	5329.7	12063.3	17244.8	19269.8	21508.5	25649.7
-15°	0.0	168.0	372.8	766.3	1653.0	5118.9	11912.6	16836.2	18343.0	20010.0	23915.1
-17.5°	0.0	166.0	364.3	737.4	1575.3	4928.8	11724.3	16187.2	17166.9	18455.4	21707.9
-20°	0.0	163.8	355.0	708.6	1492.9	4749.5	11377.3	15379.9	16003.0	16815.6	19086.2



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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	161.2	344.8	683.0	1406.3	4496.0	10686.0	14673.2	14928.7	15221.8	16700.1
-25°	0.0	158.4	333.9	655.2	1316.4	4139.2	9900.6	13859.6	13937.9	13743.6	15183.3
-27.5°	0.0	155.3	322.2	625.2	1223.7	3711.1	9082.2	12846.9	13028.2	12723.8	13728.0
-30°	0.0	151.9	309.9	593.1	1130.0	3224.8	8199.9	11883.7	12363.2	11965.7	12642.2
-32.5°	0.0	148.2	297.0	559.0	1041.9	2680.2	7185.4	10978.4	11984.0	11320.7	11742.6
-35°	0.0	144.3	283.3	522.9	948.2	2077.2	6175.9	10185.2	11690.2	11130.5	10981.2
-37.5°	0.0	140.0	270.3	489.6	864.8	1602.6	5238.1	9269.0	11175.8	11081.3	10738.6
-40°	0.0	135.2	261.3	466.4	812.9	1468.9	4390.4	8027.8	10498.8	11129.2	10801.5
-42.5°	0.0	130.1	251.8	442.0	757.8	1330.9	3505.4	6738.7	9741.4	11072.9	10991.6
-45°	0.0	124.8	241.9	416.5	699.8	1188.7	2616.8	5395.9	8897.4	10434.0	10539.1
-47.5°	0.0	119.3	231.5	389.7	638.8	1042.7	1750.6	4152.0	7177.8	9136.8	9494.6
-50°	0.0	113.5	220.8	361.8	575.2	893.6	1477.1	3189.7	5256.7	7664.3	7866.8
-52.5°	0.0	107.5	209.6	332.7	509.1	810.4	1296.1	2320.8	3340.0	5509.6	5789.1
-55°	0.0	101.3	198.1	302.6	463.4	724.2	1109.5	1595.7	2481.5	3442.6	3845.6
-57.5°	0.0	94.9	186.3	271.6	421.7	633.8	904.7	1331.3	1724.1	1821.5	2454.6
-60°	0.0	88.3	174.1	252.1	378.6	539.3	773.6	1032.5	1118.1	1301.0	1427.4
-62.5°	0.0	81.6	161.6	233.3	334.2	463.4	645.9	752.9	898.0	943.2	1064.8
-65°	0.0	74.7	148.9	214.2	288.6	403.3	521.5	628.1	699.3	772.6	878.2
-67.5°	0.0	67.6	135.4	194.7	252.0	341.5	425.6	511.1	564.1	632.2	724.5
-70°	0.0	60.5	121.0	175.0	226.2	278.1	354.9	406.6	464.1	515.6	583.2
-72.5°	0.0	53.2	106.4	155.0	200.0	230.1	286.1	339.8	370.0	419.1	471.0
-75°	0.0	45.8	91.6	134.4	173.5	197.2	225.9	274.6	302.3	332.2	372.5
-77.5°	0.0	38.3	76.6	112.3	146.8	164.2	186.6	217.5	235.2	263.1	292.7
-80°	0.0	30.7	61.4	90.0	118.4	131.2	146.9	172.2	182.3	198.3	219.6
-82.5°	0.0	23.1	46.2	67.6	88.9	98.2	107.4	126.6	135.7	149.7	160.8
-85°	0.0	15.4	30.8	45.2	59.4	65.4	71.5	83.6	89.8	101.0	105.1
-87.5°	0.0	7.7	15.4	22.6	29.7	32.7	35.7	41.9	44.9	50.5	52.3
-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):

	-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°	66.7	69.7	64.2	67.2	62.5	60.9	63.1	64.9	68.0	71.1	73.5
85°	143.8	156.2	158.1	166.6	173.8	178.1	174.6	174.6	171.4	179.1	189.4
82.5°	250.3	267.9	281.1	300.8	327.4	352.1	358.9	355.8	347.1	353.6	370.8
80°	393.5	433.0	465.6	487.8	519.1	580.8	623.8	623.1	608.9	606.6	625.0
77.5°	570.1	625.2	685.0	732.2	773.0	860.8	969.0	995.1	975.1	957.7	966.4
75°	804.6	878.1	939.0	1025.3	1105.3	1230.9	1388.7	1478.3	1508.1	1515.9	1530.1
72.5°	1059.4	1167.0	1268.1	1371.6	1500.9	1662.7	1845.7	2017.5	2142.0	2216.3	2230.8
70°	1410.8	1487.7	1637.3	1785.0	1945.2	2142.4	2308.2	2503.0	2719.4	2889.0	2945.2
67.5°	1816.6	1944.4	2059.0	2296.8	2505.7	2673.1	2811.4	2968.3	3192.2	3422.4	3594.1
65°	2405.4	2484.0	2692.6	2927.2	3170.8	3310.9	3407.1	3496.9	3639.0	3851.9	4016.6
62.5°	3141.5	3260.7	3454.4	3730.0	3951.6	4095.3	4143.7	4210.7	4240.3	4407.8	4507.7
60°	4179.6	4182.9	4362.4	4640.1	4869.6	5021.5	5095.1	5151.4	5215.6	5280.3	5301.7
57.5°	5382.6	5264.0	5421.0	5666.4	5928.6	6090.6	6238.5	6266.9	6345.9	6402.0	6376.5
55°	6790.8	6525.8	6603.8	6902.7	7223.9	7479.0	7651.2	7615.2	7765.3	7779.0	7729.7
52.5°	8443.4	8114.7	8318.9	8613.0	9011.8	9381.5	9555.6	9687.1	9735.3	9635.3	9570.6
50°	10985.7	10436.9	10442.5	10949.1	11567.8	12085.0	12470.8	12767.7	12707.5	12749.2	12590.3
47.5°	14044.1	13279.9	13630.6	14539.1	15423.4	16652.2	17711.9	18137.8	18091.3	18609.5	18434.4
45°	17845.3	17751.6	18855.2	20354.8	22644.8	24485.4	25948.2	26617.7	28223.3	28780.3	28541.1
42.5°	21838.0	23148.3	26470.4	30362.8	33619.5	36264.6	39061.9	42005.2	44364.7	45611.2	46275.3
40°	26279.6	29412.7	35013.2	41342.5	47699.6	52545.9	56800.0	60839.4	64719.6	67767.5	69774.2
37.5°	30421.0	35439.4	43660.3	53182.6	61502.2	67380.5	72877.8	78631.3	83959.5	87822.7	91065.2
35°	33860.6	40803.4	51857.9	63412.9	72309.0	78919.8	84852.9	91599.8	96947.1	101377.0	105075.2
32.5°	37356.7	46109.7	58207.2	70508.8	79768.3	85812.4	91664.3	98086.6	103788.4	108162.3	111263.3
30°	40001.4	49865.1	63389.5	75378.2	83461.8	89063.8	94795.0	99952.2	104166.4	107245.6	109088.4
27.5°	42008.2	53004.1	66155.7	77054.3	84184.1	89053.2	93959.2	97992.0	101031.4	103060.2	103932.7
25°	44041.1	55259.6	67772.4	77150.9	83219.2	87695.7	91916.5	94637.6	96842.0	97710.8	97529.3
22.5°	45313.7	56792.9	68270.0	76473.1	81001.4	84923.5	88058.0	89740.3	90829.9	90707.6	89919.0
20°	46046.3	57183.1	67252.5	73407.7	77531.2	80724.2	82789.5	83732.1	83946.0	83307.0	82199.9
17.5°	46073.3	56379.2	64631.8	69819.3	73201.9	75959.8	77029.6	77341.0	77216.1	76410.8	75445.3
15°	45737.1	54798.7	61690.4	65769.3	68733.8	70834.7	71551.3	71664.3	71558.2	70750.2	70017.7
12.5°	44938.6	52888.4	58681.1	62301.8	64591.0	66309.5	66912.8	67102.9	67107.9	66445.7	65998.5
10°	43788.1	50955.1	56085.8	59096.3	61228.4	62850.4	63160.8	63476.8	63436.4	62921.2	62539.8
7.5°	42466.0	49004.8	53525.2	56330.9	58459.0	59878.2	60000.7	60336.4	60153.8	59636.4	59240.2
5°	40959.2	47109.9	51295.4	53878.6	55818.7	57067.4	56955.1	57160.4	56912.1	56327.8	55906.4
2.5°	39606.4	45451.7	49199.4	51514.7	53238.3	54238.2	53887.2	53905.2	53623.9	53051.8	52541.1
0°	38135.2	43791.8	47180.4	49219.7	50680.4	51377.8	50838.6	50703.2	50363.1	49785.1	49357.3
-2.5°	36848.1	42168.9	45251.6	46932.5	48020.4	48515.0	47949.4	47741.7	47487.5	46984.9	46600.5
-5°	35417.1	40361.0	43201.8	44560.0	45366.8	45708.4	45181.0	45030.8	44879.4	44523.8	44254.1
-7.5°	33742.9	38271.5	41017.8	42123.3	42702.6	42954.4	42524.4	42499.4	42480.6	42297.9	42131.7
-10°	32036.4	36333.5	38877.9	39651.3	40051.1	40332.6	39983.9	39986.8	40164.3	40039.7	39873.8
-12.5°	30464.8	34576.4	36808.8	37946.9	38194.6	38123.9	38145.7	37990.5	38150.9	38017.8	37761.3
-15°	28561.5	32085.4	34932.1	36187.7	36168.4	36780.5	36460.6	36599.8	36645.8	36871.5	36517.7
-17.5°	25264.5	29011.3	31435.8	32295.2	32939.8	32928.3	33227.6	32818.1	33074.1	33149.2	32854.4
-20°	21971.7	25255.8	26888.9	28156.9	28227.0	28473.1	28167.5	27975.3	27651.5	27554.7	27427.1



REPORT NUMBER: P902074 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-VWB

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	19551.9	21715.3	23640.4	24358.2	24831.6	24667.4	24505.2	24158.0	23735.8	23580.6	23365.3
-25°	17359.4	19416.1	20857.7	21826.9	22133.8	22134.0	21753.6	21389.2	20894.6	20715.6	20443.6
-27.5°	15614.3	17276.8	18595.7	19415.3	19771.1	19790.8	19445.1	19030.8	18667.1	18362.0	18136.8
-30°	14064.0	15536.4	16528.1	17384.2	17823.7	17759.1	17529.9	17250.5	16928.3	16630.8	16466.6
-32.5°	12838.5	14030.0	15043.1	15753.4	16250.0	16427.9	16270.1	16050.3	15834.5	15609.0	15483.4
-35°	11863.6	12877.4	13738.5	14459.0	15064.1	15327.8	15261.9	15156.2	15049.7	14949.0	14840.9
-37.5°	11161.9	11926.3	12640.8	13267.9	13889.4	14328.3	14408.3	14375.4	14340.2	14323.7	14240.4
-40°	10559.7	11010.8	11550.0	12038.4	12736.9	13276.1	13504.0	13605.1	13685.6	13758.2	13652.3
-42.5°	10078.1	10251.7	10613.2	11014.4	11679.6	12126.5	12616.1	12864.8	12921.3	12889.6	13108.8
-45°	10162.8	9869.1	9909.6	10289.3	11051.1	11711.6	12357.5	12652.3	12600.5	12681.2	12749.1
-47.5°	9749.2	9221.3	9124.4	9538.8	10473.2	11360.5	12092.4	12694.6	12880.9	12986.2	13096.7
-50°	7898.9	7747.8	7798.3	8162.5	8970.9	10064.6	11304.3	11786.5	12459.7	12760.6	12737.4
-52.5°	5615.6	5863.3	5782.3	5726.5	6709.2	7694.7	8807.6	9346.3	9985.4	10464.5	10740.5
-55°	3805.4	3863.4	3577.3	3570.3	4040.1	4853.8	5777.3	6374.6	7307.8	7972.7	8522.6
-57.5°	2382.0	2477.1	2526.7	2428.3	2705.8	3014.5	3629.7	4169.7	5008.0	5731.5	6378.2
-60°	1574.7	1674.3	1810.9	1937.4	2083.4	2254.7	2419.2	2827.5	3115.1	3619.5	4242.9
-62.5°	1186.4	1268.3	1413.7	1552.2	1670.6	1764.4	1891.6	2085.8	2273.1	2527.1	2698.7
-65°	980.4	1064.7	1164.8	1253.1	1356.3	1412.0	1522.1	1651.7	1823.1	1992.4	2155.1
-67.5°	804.2	881.8	959.4	1044.2	1094.7	1138.4	1214.3	1313.6	1440.9	1566.7	1689.5
-70°	653.5	708.1	785.1	846.8	871.9	906.0	956.8	1030.2	1119.1	1205.6	1303.5
-72.5°	511.5	559.8	618.1	661.6	675.7	697.6	739.5	803.8	862.4	918.9	987.5
-75°	407.8	429.8	454.5	499.1	513.6	524.6	554.0	606.4	652.0	693.0	733.4
-77.5°	310.2	324.3	350.8	373.7	385.4	404.0	429.1	452.2	477.6	506.7	521.1
-80°	231.7	242.3	260.5	273.0	281.2	300.4	319.0	329.5	339.6	351.9	365.7
-82.5°	163.2	170.1	183.9	192.5	199.5	212.0	222.2	227.5	236.5	239.5	250.0
-85°	105.5	113.6	122.5	126.2	130.3	137.2	137.5	141.1	148.4	146.6	153.8
-87.5°	52.0	57.0	61.2	63.4	66.5	70.2	63.7	67.1	69.9	68.4	72.4
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902074 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-VWB

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°	75.2	77.2	80.5	79.9	72.9	75.8	78.0	80.9	82.5	83.9	85.3
85°	196.1	199.0	211.5	220.2	227.7	242.7	252.9	268.1	275.7	281.8	286.7
82.5°	399.3	423.7	438.9	467.8	496.2	521.4	549.8	574.2	601.0	620.9	631.8
80°	674.8	725.1	767.4	815.5	860.3	907.0	945.3	976.8	1018.9	1060.0	1081.1
77.5°	1003.6	1077.8	1173.8	1231.7	1300.5	1370.7	1436.3	1484.9	1529.0	1558.7	1594.5
75°	1567.1	1625.7	1691.6	1755.6	1832.0	1923.7	2029.7	2111.6	2200.4	2272.3	2316.0
72.5°	2239.9	2266.4	2303.6	2363.3	2433.9	2528.3	2635.0	2717.5	2799.2	2869.2	2930.2
70°	2937.7	2928.9	2932.5	2985.1	3063.2	3141.7	3218.7	3287.7	3350.7	3404.0	3459.7
67.5°	3634.6	3627.1	3598.3	3611.8	3663.7	3730.9	3799.6	3858.0	3912.1	3958.0	4018.3
65°	4227.2	4308.4	4353.5	4356.9	4376.1	4425.0	4462.0	4509.3	4557.4	4631.5	4725.6
62.5°	4670.4	4809.8	4914.8	5071.7	5152.7	5179.1	5215.5	5289.3	5354.2	5447.6	5538.0
60°	5321.4	5396.8	5440.2	5567.7	5687.0	5790.7	5932.8	6007.9	6098.4	6197.6	6259.4
57.5°	6237.8	6252.5	6232.9	6218.6	6247.1	6316.0	6440.4	6529.9	6698.8	6834.8	6880.4
55°	7486.1	7324.3	7174.1	7147.2	7054.6	7101.9	7137.9	7202.6	7338.2	7451.6	7521.8
52.5°	9268.8	9022.1	8578.3	8361.9	8204.7	8123.9	8228.3	8276.4	8251.0	8388.2	8471.6
50°	12125.2	11884.7	11228.2	10879.5	10517.3	10393.4	10357.7	10324.3	10419.1	10490.0	10419.5
47.5°	17944.8	17477.3	16511.0	15870.1	14883.5	14610.2	14120.7	13552.0	13502.7	13281.3	13051.9
45°	28588.3	27913.6	26763.6	26426.4	24637.5	24345.9	23010.6	22586.5	22121.8	20525.6	19705.9
42.5°	46870.3	46280.5	45608.8	46315.1	45533.9	47243.9	46453.1	48292.2	48721.0	45899.1	48123.9
40°	71128.8	72158.4	73594.1	75614.8	79079.5	81776.2	86512.6	88686.5	93175.6	96188.2	99285.1
37.5°	93702.5	96128.7	98222.0	101871.0	106500.6	109112.5	113543.2	117023.5	123003.6	127656.2	134009.9
35°	107827.1	109927.5	112470.8	115816.8	119698.0	121259.0	124464.3	127578.8	132751.0	137961.2	145240.6
32.5°	112806.4	114539.4	116486.4	118480.5	120428.7	121155.3	122677.5	124847.7	128241.5	132816.8	138683.3
30°	110169.5	111439.2	112676.2	113122.1	112980.0	112947.6	113189.8	113951.1	116458.5	119570.8	123679.8
27.5°	104297.6	104922.7	105196.1	104558.5	103659.2	103007.8	102493.7	102951.8	104255.9	106389.8	108942.1
25°	97356.7	97591.3	96867.2	95792.3	94597.8	93703.8	92967.2	92801.6	93479.0	94691.3	96214.0
22.5°	89514.6	89137.6	88109.0	86766.6	85500.9	84629.1	83586.8	83194.4	83372.6	83884.4	84757.9
20°	81673.5	81144.0	80048.8	78720.9	77625.1	76737.4	75870.4	75217.9	75136.1	75181.8	75195.7
17.5°	75021.2	74458.1	73542.4	72536.5	71797.0	71177.6	70276.9	69612.6	69162.6	68816.1	68488.0
15°	69870.7	69714.1	69166.8	68507.9	67944.9	67311.1	66491.1	65801.1	65208.3	64670.7	64126.5
12.5°	66064.4	66021.8	65806.4	65338.8	64952.9	64308.8	63474.8	62791.7	62182.4	61558.4	61051.6
10°	62795.7	62687.5	62634.4	62288.4	61854.0	61234.4	60577.7	59943.5	59309.3	58766.4	58227.0
7.5°	59533.6	59463.4	59311.2	58873.8	58425.9	57900.7	57349.0	56841.0	56315.9	55781.8	55263.9
5°	56090.3	56008.7	55790.2	55382.0	54979.0	54491.7	54062.3	53607.1	53138.6	52580.6	52044.1
2.5°	52666.8	52561.2	52410.3	52034.5	51634.8	51224.9	50813.6	50360.1	49931.6	49383.1	48860.0
0°	49402.8	49393.7	49275.4	48879.5	48492.7	48187.8	47746.3	47341.3	46898.4	46365.6	45833.9
-2.5°	46726.4	46716.2	46505.2	46166.7	45824.9	45497.6	45080.7	44628.1	44171.7	43606.3	43002.0
-5°	44360.3	44377.5	44216.7	43776.5	43463.5	43092.4	42686.5	42252.0	41747.6	41147.9	40548.8
-7.5°	42185.5	42205.6	42011.9	41578.4	41184.9	40764.1	40351.0	39904.7	39385.8	38801.7	38249.9
-10°	39865.3	39817.3	39483.3	39109.5	38574.0	38093.9	37662.1	37196.7	36749.2	36232.0	35699.0
-12.5°	37454.4	37263.4	36768.7	36344.7	35744.4	35228.2	34701.5	34184.0	33647.5	33172.0	32782.2
-15°	36225.6	35883.5	35301.7	34736.4	34143.0	33559.7	32957.1	32375.3	31878.0	31471.6	31204.8
-17.5°	32542.0	32262.2	31803.3	31367.7	30573.9	29993.3	29526.8	28955.2	28514.3	28248.8	28198.8
-20°	27056.7	26653.0	26167.0	25642.1	25086.2	24573.1	24036.6	23679.1	23412.3	23264.5	23062.3



REPORT NUMBER: P902074 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-VWB

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	23032.2	22697.4	22318.3	21864.7	21374.0	20932.0	20560.0	20199.1	20017.5	19830.8	19702.0
-25°	20083.9	19730.0	19453.5	19034.7	18674.3	18354.2	18053.5	17796.9	17688.7	17571.4	17564.6
-27.5°	17858.8	17585.4	17321.9	17061.8	16808.5	16578.8	16419.7	16344.7	16276.9	16285.0	16271.8
-30°	16222.7	16014.2	15859.9	15671.4	15502.8	15347.6	15284.0	15237.5	15262.9	15241.0	15312.7
-32.5°	15335.0	15166.7	15052.7	14981.9	14812.6	14719.4	14651.5	14685.3	14706.7	14773.1	14750.7
-35°	14701.3	14564.7	14520.4	14500.5	14457.8	14381.6	14317.5	14358.9	14420.7	14457.7	14512.3
-37.5°	14179.4	14146.9	14143.5	14196.4	14277.5	14273.9	14244.0	14282.6	14356.0	14468.4	14523.4
-40°	13710.2	13757.3	13826.6	13943.1	14098.2	14283.9	14295.6	14394.9	14535.4	14635.5	14694.9
-42.5°	13237.1	13417.4	13652.3	13805.9	14278.7	14398.5	14740.0	14766.5	14825.5	15031.1	15223.7
-45°	12902.1	13169.0	13254.4	13688.2	13903.4	14399.4	14647.1	14857.0	15250.0	15468.8	15669.3
-47.5°	13207.2	13521.8	13669.0	14153.4	14492.5	15064.8	15413.3	15992.9	16412.9	16757.4	17234.0
-50°	13045.7	12972.8	13258.9	13458.8	13888.3	14277.5	14828.3	15106.6	15486.2	16058.9	16401.9
-52.5°	10702.7	10828.7	10789.6	11035.0	11313.4	11228.9	11812.3	12070.6	11792.4	11978.5	12323.2
-55°	8943.9	9174.4	9159.8	9298.5	9379.4	9168.0	9435.9	9580.6	9372.6	9070.3	9225.3
-57.5°	7014.6	7643.2	8364.9	8796.4	9072.6	9393.5	9689.7	9782.8	9725.1	9506.6	9400.9
-60°	4798.8	5525.2	6351.2	7258.1	8260.9	9419.9	10613.1	10876.2	10603.5	10008.3	9193.8
-62.5°	3008.5	3571.0	4130.2	4846.4	5774.7	6677.7	7124.0	7010.2	6734.8	6060.6	5161.8
-65°	2324.8	2478.0	2610.8	2726.3	3192.7	3581.1	3510.7	2854.5	2512.0	2806.2	2991.5
-67.5°	1829.1	1936.0	2012.4	2075.1	2165.1	2216.7	2213.1	2223.0	2303.8	2412.1	2501.0
-70°	1407.3	1492.9	1568.5	1619.5	1640.9	1676.8	1708.1	1754.4	1832.5	1930.7	2009.3
-72.5°	1057.8	1116.2	1161.6	1194.8	1224.8	1255.1	1295.4	1347.8	1417.3	1498.1	1578.4
-75°	779.0	812.2	838.4	863.8	893.3	926.7	964.6	1005.4	1060.8	1122.7	1185.5
-77.5°	538.2	559.2	581.9	610.2	628.1	651.7	677.5	695.9	728.1	762.9	805.0
-80°	380.9	386.6	396.0	416.4	425.2	436.7	459.9	463.5	482.5	492.3	514.5
-82.5°	265.6	266.7	271.4	279.7	286.7	292.9	300.0	304.6	314.7	324.5	330.0
-85°	166.6	167.9	171.6	176.3	180.6	185.8	189.7	193.2	197.3	199.8	201.6
-87.5°	77.9	80.9	83.2	85.3	87.3	96.7	101.3	105.6	115.4	116.0	116.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902074 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-VWB

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°	86.3	85.1	83.3	84.6	83.3	85.1	86.3	85.3	83.9	82.5	80.9
85°	290.4	289.9	286.8	295.4	286.8	289.9	290.4	286.7	281.8	275.7	268.1
82.5°	640.3	647.5	652.4	661.3	652.4	647.5	640.3	631.8	620.9	601.0	574.2
80°	1099.0	1129.3	1159.0	1183.2	1159.0	1129.3	1099.0	1081.1	1060.0	1018.9	976.8
77.5°	1612.9	1644.4	1683.7	1741.5	1683.7	1644.4	1612.9	1594.5	1558.7	1529.0	1484.9
75°	2347.6	2392.0	2428.7	2482.6	2428.7	2392.0	2347.6	2316.0	2272.3	2200.4	2111.6
72.5°	2997.5	3083.3	3137.3	3189.2	3137.3	3083.3	2997.5	2930.2	2869.2	2799.2	2717.5
70°	3517.9	3576.2	3600.4	3586.0	3600.4	3576.2	3517.9	3459.7	3404.0	3350.7	3287.7
67.5°	4106.8	4172.2	4184.5	4176.0	4184.5	4172.2	4106.8	4018.3	3958.0	3912.1	3858.0
65°	4810.6	4848.1	4841.1	4818.6	4841.1	4848.1	4810.6	4725.6	4631.5	4557.4	4509.3
62.5°	5592.4	5605.0	5626.8	5591.3	5626.8	5605.0	5592.4	5538.0	5447.6	5354.2	5289.3
60°	6319.9	6413.4	6492.4	6407.4	6492.4	6413.4	6319.9	6259.4	6197.6	6098.4	6007.9
57.5°	6943.7	7041.8	7113.8	7045.2	7113.8	7041.8	6943.7	6880.4	6834.8	6698.8	6529.9
55°	7570.1	7584.4	7631.2	7680.5	7631.2	7584.4	7570.1	7521.8	7451.6	7338.2	7202.6
52.5°	8413.2	8329.7	8282.7	8281.8	8282.7	8329.7	8413.2	8471.6	8388.2	8251.0	8276.4
50°	10196.5	9924.9	9803.4	9752.2	9803.4	9924.9	10196.5	10419.5	10490.0	10419.1	10324.3
47.5°	12884.1	12734.9	12709.2	12654.5	12709.2	12734.9	12884.1	13051.9	13281.3	13502.7	13552.0
45°	19805.7	19502.2	19272.6	19152.9	19272.6	19502.2	19805.7	19705.9	20525.6	22121.8	22586.5
42.5°	50602.0	52137.5	52388.4	51942.1	52388.4	52137.5	50602.0	48123.9	45899.1	48721.0	48292.2
40°	104306.5	109503.6	112257.1	112840.1	112257.1	109503.6	104306.5	99285.1	96188.2	93175.6	88686.5
37.5°	142224.1	148999.0	152263.4	153341.7	152263.4	148999.0	142224.1	134009.9	127656.2	123003.6	117023.5
35°	152310.3	158605.2	162586.0	163954.0	162586.0	158605.2	152310.3	145240.6	137961.2	132751.0	127578.8
32.5°	144020.6	149597.5	153243.9	154634.1	153243.9	149597.5	144020.6	138683.3	132816.8	128241.5	124847.7
30°	127554.5	131151.4	133300.2	134428.8	133300.2	131151.4	127554.5	123679.8	119570.8	116458.5	113951.1
27.5°	111682.9	114131.0	115931.9	116680.9	115931.9	114131.0	111682.9	108942.1	106389.8	104255.9	102951.8
25°	97735.7	99386.1	100627.6	101335.9	100627.6	99386.1	97735.7	96214.0	94691.3	93479.0	92801.6
22.5°	85451.4	86233.3	86892.5	87342.3	86892.5	86233.3	85451.4	84757.9	83884.4	83372.6	83194.4
20°	75374.0	75512.4	75697.8	75778.9	75697.8	75512.4	75374.0	75195.7	75181.8	75136.1	75217.9
17.5°	68330.4	68046.0	68132.7	68365.8	68132.7	68046.0	68330.4	68488.0	68816.1	69162.6	69612.6
15°	63846.8	63654.0	63695.2	63987.9	63695.2	63654.0	63846.8	64126.5	64670.7	65208.3	65801.1
12.5°	60679.7	60485.3	60535.7	60747.5	60535.7	60485.3	60679.7	61051.6	61558.4	62182.4	62791.7
10°	57868.2	57673.8	57732.5	57932.0	57732.5	57673.8	57868.2	58227.0	58766.4	59309.3	59943.5
7.5°	54922.5	54751.0	54813.4	54884.8	54813.4	54751.0	54922.5	55263.9	55781.8	56315.9	56841.0
5°	51681.7	51513.1	51490.5	51514.4	51490.5	51513.1	51681.7	52044.1	52580.6	53138.6	53607.1
2.5°	48406.0	48181.5	48115.9	48104.8	48115.9	48181.5	48406.0	48860.0	49383.1	49931.6	50360.1
0°	45359.5	45039.3	44901.6	44906.7	44901.6	45039.3	45359.5	45833.9	46365.6	46898.4	47341.3
-2.5°	42484.7	42212.6	42126.3	42175.4	42126.3	42212.6	42484.7	43002.0	43606.3	44171.7	44628.1
-5°	40064.2	39770.9	39647.8	39692.7	39647.8	39770.9	40064.2	40548.8	41147.9	41747.6	42252.0
-7.5°	37808.0	37544.6	37492.6	37429.3	37492.6	37544.6	37808.0	38249.9	38801.7	39385.8	39904.7
-10°	35328.7	35085.0	35041.4	34980.4	35041.4	35085.0	35328.7	35699.0	36232.0	36749.2	37196.7
-12.5°	32676.7	32495.5	32521.3	32514.1	32521.3	32495.5	32676.7	32782.2	33172.0	33647.5	34184.0
-15°	30911.2	30946.5	30940.0	30923.8	30940.0	30946.5	30911.2	31204.8	31471.6	31878.0	32375.3
-17.5°	27898.3	28184.3	27963.7	27896.1	27963.7	28184.3	27898.3	28198.8	28248.8	28514.3	28955.2
-20°	23077.4	22982.1	22929.0	22881.1	22929.0	22982.1	23077.4	23062.3	23264.5	23412.3	23679.1



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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°	19594.7	19693.3	19682.5	19636.5	19682.5	19693.3	19594.7	19702.0	19830.8	20017.5	20199.1
-25°	17482.3	17558.8	17535.9	17484.0	17535.9	17558.8	17482.3	17564.6	17571.4	17688.7	17796.9
-27.5°	16307.2	16262.4	16223.5	16232.5	16223.5	16262.4	16307.2	16271.8	16285.0	16276.9	16344.7
-30°	15324.7	15353.2	15383.0	15399.7	15383.0	15353.2	15324.7	15312.7	15241.0	15262.9	15237.5
-32.5°	14820.3	14871.0	14972.2	15017.5	14972.2	14871.0	14820.3	14750.7	14773.1	14706.7	14685.3
-35°	14608.8	14650.5	14735.8	14744.4	14735.8	14650.5	14608.8	14512.3	14457.7	14420.7	14358.9
-37.5°	14537.6	14563.6	14637.8	14689.8	14637.8	14563.6	14537.6	14523.4	14468.4	14356.0	14282.6
-40°	14704.8	14756.4	14865.3	14890.0	14865.3	14756.4	14704.8	14694.9	14635.5	14535.4	14394.9
-42.5°	15331.2	15431.1	15590.5	15672.7	15590.5	15431.1	15331.2	15223.7	15031.1	14825.5	14766.5
-45°	15929.4	16256.7	16575.5	16761.5	16575.5	16256.7	15929.4	15669.3	15468.8	15250.0	14857.0
-47.5°	17813.4	18127.3	18463.0	18676.2	18463.0	18127.3	17813.4	17234.0	16757.4	16412.9	15992.9
-50°	16660.8	16984.9	17348.5	17534.0	17348.5	16984.9	16660.8	16401.9	16058.9	15486.2	15106.6
-52.5°	12481.1	12485.5	12464.9	12481.0	12464.9	12485.5	12481.1	12323.2	11978.5	11792.4	12070.6
-55°	9300.8	9324.1	9287.8	9272.1	9287.8	9324.1	9300.8	9225.3	9070.3	9372.6	9580.6
-57.5°	9390.8	9197.1	8928.3	8790.3	8928.3	9197.1	9390.8	9400.9	9506.6	9725.1	9782.8
-60°	8042.2	6946.8	6217.6	5934.2	6217.6	6946.8	8042.2	9193.8	10008.3	10603.5	10876.2
-62.5°	4429.4	4020.3	3820.7	3765.3	3820.7	4020.3	4429.4	5161.8	6060.6	6734.8	7010.2
-65°	3056.0	3087.2	3122.1	3148.7	3122.1	3087.2	3056.0	2991.5	2806.2	2512.0	2854.5
-67.5°	2571.4	2619.5	2654.7	2665.3	2654.7	2619.5	2571.4	2501.0	2412.1	2303.8	2223.0
-70°	2077.2	2128.2	2157.4	2166.2	2157.4	2128.2	2077.2	2009.3	1930.7	1832.5	1754.4
-72.5°	1613.3	1637.0	1647.7	1651.3	1647.7	1637.0	1613.3	1578.4	1498.1	1417.3	1347.8
-75°	1206.1	1208.5	1209.7	1211.7	1209.7	1208.5	1206.1	1185.5	1122.7	1060.8	1005.4
-77.5°	815.8	810.7	804.9	803.7	804.9	810.7	815.8	805.0	762.9	728.1	695.9
-80°	504.1	506.6	508.9	509.7	508.9	506.6	504.1	514.5	492.3	482.5	463.5
-82.5°	328.8	323.2	324.7	325.1	324.7	323.2	328.8	330.0	324.5	314.7	304.6
-85°	202.7	207.5	211.3	211.5	211.3	207.5	202.7	201.6	199.8	197.3	193.2
-87.5°	117.3	120.2	122.4	122.5	122.4	120.2	117.3	116.7	116.0	115.4	105.6
-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°	78.0	75.8	72.9	79.9	80.5	77.2	75.2	73.5	71.1	68.0	64.9
85°	252.9	242.7	227.7	220.2	211.5	199.0	196.1	189.4	179.1	171.4	174.6
82.5°	549.8	521.4	496.2	467.8	438.9	423.7	399.3	370.8	353.6	347.1	355.8
80°	945.3	907.0	860.3	815.5	767.4	725.1	674.8	625.0	606.6	608.9	623.1
77.5°	1436.3	1370.7	1300.5	1231.7	1173.8	1077.8	1003.6	966.4	957.7	975.1	995.1
75°	2029.7	1923.7	1832.0	1755.6	1691.6	1625.7	1567.1	1530.1	1515.9	1508.1	1478.3
72.5°	2635.0	2528.3	2433.9	2363.3	2303.6	2266.4	2239.9	2230.8	2216.3	2142.0	2017.5
70°	3218.7	3141.7	3063.2	2985.1	2932.5	2928.9	2937.7	2945.2	2889.0	2719.4	2503.0
67.5°	3799.6	3730.9	3663.7	3611.8	3598.3	3627.1	3634.6	3594.1	3422.4	3192.2	2968.3
65°	4462.0	4425.0	4376.1	4356.9	4353.5	4308.4	4227.2	4016.6	3851.9	3639.0	3496.9
62.5°	5215.5	5179.1	5152.7	5071.7	4914.8	4809.8	4670.4	4507.7	4407.8	4240.3	4210.7
60°	5932.8	5790.7	5687.0	5567.7	5440.2	5396.8	5321.4	5301.7	5280.3	5215.6	5151.4
57.5°	6440.4	6316.0	6247.1	6218.6	6232.9	6252.5	6237.8	6376.5	6402.0	6345.9	6266.9
55°	7137.9	7101.9	7054.6	7147.2	7174.1	7324.3	7486.1	7729.7	7779.0	7765.3	7615.2
52.5°	8228.3	8123.9	8204.7	8361.9	8578.3	9022.1	9268.8	9570.6	9635.3	9735.3	9687.1
50°	10357.7	10393.4	10517.3	10879.5	11228.2	11884.7	12125.2	12590.3	12749.2	12707.5	12767.7
47.5°	14120.7	14610.2	14883.5	15870.1	16511.0	17477.3	17944.8	18434.4	18609.5	18091.3	18137.8
45°	23010.6	24345.9	24637.5	26426.4	26763.6	27913.6	28588.3	28541.1	28780.3	28223.3	26617.7
42.5°	46453.1	47243.9	45533.9	46315.1	45608.8	46280.5	46870.3	46275.3	45611.2	44364.7	42005.2
40°	86512.6	81776.2	79079.5	75614.8	73594.1	72158.4	71128.8	69774.2	67767.5	64719.6	60839.4
37.5°	113543.2	109112.5	106500.6	101871.0	98222.0	96128.7	93702.5	91065.2	87822.7	83959.5	78631.3
35°	124464.3	121259.0	119698.0	115816.8	112470.8	109927.5	107827.1	105075.2	101377.0	96947.1	91599.8
32.5°	122677.5	121155.3	120428.7	118480.5	116486.4	114539.4	112806.4	111263.3	108162.3	103788.4	98086.6
30°	113189.8	112947.6	112980.0	113122.1	112676.2	111439.2	110169.5	109088.4	107245.6	104166.4	99952.2
27.5°	102493.7	103007.8	103659.2	104558.5	105196.1	104922.7	104297.6	103932.7	103060.2	101031.4	97992.0
25°	92967.2	93703.8	94597.8	95792.3	96867.2	97591.3	97356.7	97529.3	97710.8	96842.0	94637.6
22.5°	83586.8	84629.1	85500.9	86766.6	88109.0	89137.6	89514.6	89919.0	90707.6	90829.9	89740.3
20°	75870.4	76737.4	77625.1	78720.9	80048.8	81144.0	81673.5	82199.9	83307.0	83946.0	83732.1
17.5°	70276.9	71177.6	71797.0	72536.5	73542.4	74458.1	75021.2	75445.3	76410.8	77216.1	77341.0
15°	66491.1	67311.1	67944.9	68507.9	69166.8	69714.1	69870.7	70017.7	70750.2	71558.2	71664.3
12.5°	63474.8	64308.8	64952.9	65338.8	65806.4	66021.8	66064.4	65998.5	66445.7	67107.9	67102.9
10°	60577.7	61234.4	61854.0	62288.4	62634.4	62687.5	62795.7	62539.8	62921.2	63436.4	63476.8
7.5°	57349.0	57900.7	58425.9	58873.8	59311.2	59463.4	59533.6	59240.2	59636.4	60153.8	60336.4
5°	54062.3	54491.7	54979.0	55382.0	55790.2	56008.7	56090.3	55906.4	56327.8	56912.1	57160.4
2.5°	50813.6	51224.9	51634.8	52034.5	52410.3	52561.2	52666.8	52541.1	53051.8	53623.9	53905.2
0°	47746.3	48187.8	48492.7	48879.5	49275.4	49393.7	49402.8	49357.3	49785.1	50363.1	50703.2
-2.5°	45080.7	45497.6	45824.9	46166.7	46505.2	46716.2	46726.4	46600.5	46984.9	47487.5	47741.7
-5°	42686.5	43092.4	43463.5	43776.5	44216.7	44377.5	44360.3	44254.1	44523.8	44879.4	45030.8
-7.5°	40351.0	40764.1	41184.9	41578.4	42011.9	42205.6	42185.5	42131.7	42297.9	42480.6	42499.4
-10°	37662.1	38093.9	38574.0	39109.5	39483.3	39817.3	39865.3	39873.8	40039.7	40164.3	39986.8
-12.5°	34701.5	35228.2	35744.4	36344.7	36768.7	37263.4	37454.4	37761.3	38017.8	38150.9	37990.5
-15°	32957.1	33559.7	34143.0	34736.4	35301.7	35883.5	36225.6	36517.7	36871.5	36645.8	36599.8
-17.5°	29526.8	29993.3	30573.9	31367.7	31803.3	32262.2	32542.0	32854.4	33149.2	33074.1	32818.1
-20°	24036.6	24573.1	25086.2	25642.1	26167.0	26653.0	27056.7	27427.1	27554.7	27651.5	27975.3



REPORT NUMBER: P902074 (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°	20560.0	20932.0	21374.0	21864.7	22318.3	22697.4	23032.2	23365.3	23580.6	23735.8	24158.0
-25°	18053.5	18354.2	18674.3	19034.7	19453.5	19730.0	20083.9	20443.6	20715.6	20894.6	21389.2
-27.5°	16419.7	16578.8	16808.5	17061.8	17321.9	17585.4	17858.8	18136.8	18362.0	18667.1	19030.8
-30°	15284.0	15347.6	15502.8	15671.4	15859.9	16014.2	16222.7	16466.6	16630.8	16928.3	17250.5
-32.5°	14651.5	14719.4	14812.6	14981.9	15052.7	15166.7	15335.0	15483.4	15609.0	15834.5	16050.3
-35°	14317.5	14381.6	14457.8	14500.5	14520.4	14564.7	14701.3	14840.9	14949.0	15049.7	15156.2
-37.5°	14244.0	14273.9	14277.5	14196.4	14143.5	14146.9	14179.4	14240.4	14323.7	14340.2	14375.4
-40°	14295.6	14283.9	14098.2	13943.1	13826.6	13757.3	13710.2	13652.3	13758.2	13685.6	13605.1
-42.5°	14740.0	14398.5	14278.7	13805.9	13652.3	13417.4	13237.1	13108.8	12889.6	12921.3	12864.8
-45°	14647.1	14399.4	13903.4	13688.2	13254.4	13169.0	12902.1	12749.1	12681.2	12600.5	12652.3
-47.5°	15413.3	15064.8	14492.5	14153.4	13669.0	13521.8	13207.2	13096.7	12986.2	12880.9	12694.6
-50°	14828.3	14277.5	13888.3	13458.8	13258.9	12972.8	13045.7	12737.4	12760.6	12459.7	11786.5
-52.5°	11812.3	11228.9	11313.4	11035.0	10789.6	10828.7	10702.7	10740.5	10464.5	9985.4	9346.3
-55°	9435.9	9168.0	9379.4	9298.5	9159.8	9174.4	8943.9	8522.6	7972.7	7307.8	6374.6
-57.5°	9689.7	9393.5	9072.6	8796.4	8364.9	7643.2	7014.6	6378.2	5731.5	5008.0	4169.7
-60°	10613.1	9419.9	8260.9	7258.1	6351.2	5525.2	4798.8	4242.9	3619.5	3115.1	2827.5
-62.5°	7124.0	6677.7	5774.7	4846.4	4130.2	3571.0	3008.5	2698.7	2527.1	2273.1	2085.8
-65°	3510.7	3581.1	3192.7	2726.3	2610.8	2478.0	2324.8	2155.1	1992.4	1823.1	1651.7
-67.5°	2213.1	2216.7	2165.1	2075.1	2012.4	1936.0	1829.1	1689.5	1566.7	1440.9	1313.6
-70°	1708.1	1676.8	1640.9	1619.5	1568.5	1492.9	1407.3	1303.5	1205.6	1119.1	1030.2
-72.5°	1295.4	1255.1	1224.8	1194.8	1161.6	1116.2	1057.8	987.5	918.9	862.4	803.8
-75°	964.6	926.7	893.3	863.8	838.4	812.2	779.0	733.4	693.0	652.0	606.4
-77.5°	677.5	651.7	628.1	610.2	581.9	559.2	538.2	521.1	506.7	477.6	452.2
-80°	459.9	436.7	425.2	416.4	396.0	386.6	380.9	365.7	351.9	339.6	329.5
-82.5°	300.0	292.9	286.7	279.7	271.4	266.7	265.6	250.0	239.5	236.5	227.5
-85°	189.7	185.8	180.6	176.3	171.6	167.9	166.6	153.8	146.6	148.4	141.1
-87.5°	101.3	96.7	87.3	85.3	83.2	80.9	77.9	72.4	68.4	69.9	67.1
-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):

	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°	63.1	60.9	62.5	67.2	64.2	69.7	66.7	61.8	60.9	56.3	50.9
85°	174.6	178.1	173.8	166.6	158.1	156.2	143.8	128.3	121.8	112.7	101.8
82.5°	358.9	352.1	327.4	300.8	281.1	267.9	250.3	233.4	214.4	193.6	166.4
80°	623.8	580.8	519.1	487.8	465.6	433.0	393.5	351.5	310.8	288.0	258.3
77.5°	969.0	860.8	773.0	732.2	685.0	625.2	570.1	523.8	471.3	409.4	350.1
75°	1388.7	1230.9	1105.3	1025.3	939.0	878.1	804.6	721.0	652.1	594.8	493.1
72.5°	1845.7	1662.7	1500.9	1371.6	1268.1	1167.0	1059.4	985.0	905.3	780.8	666.1
70°	2308.2	2142.4	1945.2	1785.0	1637.3	1487.7	1410.8	1303.6	1203.2	1058.7	839.8
67.5°	2811.4	2673.1	2505.7	2296.8	2059.0	1944.4	1816.6	1744.1	1582.4	1349.3	1093.9
65°	3407.1	3310.9	3170.8	2927.2	2692.6	2484.0	2405.4	2305.2	2048.7	1697.2	1360.5
62.5°	4143.7	4095.3	3951.6	3730.0	3454.4	3260.7	3141.5	3148.1	2633.5	2136.3	1626.9
60°	5095.1	5021.5	4869.6	4640.1	4362.4	4182.9	4179.6	4156.6	3651.3	2581.8	1982.9
57.5°	6238.5	6090.6	5928.6	5666.4	5421.0	5264.0	5382.6	5551.4	4642.2	3305.9	2320.5
55°	7651.2	7479.0	7223.9	6902.7	6603.8	6525.8	6790.8	7207.5	6198.1	4001.5	2618.4
52.5°	9555.6	9381.5	9011.8	8613.0	8318.9	8114.7	8443.4	9296.6	8064.0	4591.7	2988.5
50°	12470.8	12085.0	11567.8	10949.1	10442.5	10436.9	10985.7	11696.4	10277.0	5859.6	3293.3
47.5°	17711.9	16652.2	15423.4	14539.1	13630.6	13279.9	14044.1	14649.1	12320.4	6963.1	3514.8
45°	25948.2	24485.4	22644.8	20354.8	18855.2	17751.6	17845.3	18137.2	14358.8	7697.7	3855.5
42.5°	39061.9	36264.6	33619.5	30362.8	26470.4	23148.3	21838.0	21989.3	16859.8	9238.7	4336.1
40°	56800.0	52545.9	47699.6	41342.5	35013.2	29412.7	26279.6	24831.1	19887.7	10670.1	4685.5
37.5°	72877.8	67380.5	61502.2	53182.6	43660.3	35439.4	30421.0	28047.1	22547.1	11981.6	4890.4
35°	84852.9	78919.8	72309.0	63412.9	51857.9	40803.4	33860.6	31276.0	25119.1	13751.0	5556.7
32.5°	91664.3	85812.4	79768.3	70508.8	58207.2	46109.7	37356.7	33132.4	27678.2	15823.3	6720.4
30°	94795.0	89063.8	83461.8	75378.2	63389.5	49865.1	40001.4	34637.8	29959.9	17678.5	7874.8
27.5°	93959.2	89053.2	84184.1	77054.3	66155.7	53004.1	42008.2	35706.7	32482.7	19473.6	8876.7
25°	91916.5	87695.7	83219.2	77150.9	67772.4	55259.6	44041.1	36966.1	33781.1	21127.9	9728.5
22.5°	88058.0	84923.5	81001.4	76473.1	68270.0	56792.9	45313.7	37918.5	33900.5	22855.7	11079.6
20°	82789.5	80724.2	77531.2	73407.7	67252.5	57183.1	46046.3	38300.2	34004.5	24565.7	12682.0
17.5°	77029.6	75959.8	73201.9	69819.3	64631.8	56379.2	46073.3	38397.9	33941.6	26077.7	14088.9
15°	71551.3	70834.7	68733.8	65769.3	61690.4	54798.7	45737.1	38189.7	33608.8	27186.5	15388.5
12.5°	66912.8	66309.5	64591.0	62301.8	58681.1	52888.4	44938.6	37805.2	33200.3	27797.0	16602.4
10°	63160.8	62850.4	61228.4	59096.3	56085.8	50955.1	43788.1	37095.4	32324.5	27894.7	17631.8
7.5°	60000.7	59878.2	58459.0	56330.9	53525.2	49004.8	42466.0	36028.4	31323.3	27620.7	18433.9
5°	56955.1	57067.4	55818.7	53878.6	51295.4	47109.9	40959.2	34824.7	30146.6	26750.6	18823.3
2.5°	53887.2	54238.2	53238.3	51514.7	49199.4	45451.7	39606.4	33514.5	28769.4	25562.2	19044.2
0°	50838.6	51377.8	50680.4	49219.7	47180.4	43791.8	38135.2	32096.3	27322.9	24228.1	19124.1
-2.5°	47949.4	48515.0	48020.4	46932.5	45251.6	42168.9	36848.1	30970.3	26150.7	23064.5	18851.8
-5°	45181.0	45708.4	45366.8	44560.0	43201.8	40361.0	35417.1	29727.9	24891.8	21874.2	18506.4
-7.5°	42524.4	42954.4	42702.6	42123.3	41017.8	38271.5	33742.9	28484.7	23748.2	20793.1	18127.7
-10°	39983.9	40332.6	40051.1	39651.3	38877.9	36333.5	32036.4	27178.4	22673.5	20022.6	17687.9
-12.5°	38145.7	38123.9	38194.6	37946.9	36808.8	34576.4	30464.8	25649.7	21508.5	19269.8	17244.8
-15°	36460.6	36780.5	36168.4	36187.7	34932.1	32085.4	28561.5	23915.1	20010.0	18343.0	16836.2
-17.5°	33227.6	32928.3	32939.8	32295.2	31435.8	29011.3	25264.5	21707.9	18455.4	17166.9	16187.2
-20°	28167.5	28473.1	28227.0	28156.9	26888.9	25255.8	21971.7	19086.2	16815.6	16003.0	15379.9



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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°	24505.2	24667.4	24831.6	24358.2	23640.4	21715.3	19551.9	16700.1	15221.8	14928.7	14673.2
-25°	21753.6	22134.0	22133.8	21826.9	20857.7	19416.1	17359.4	15183.3	13743.6	13937.9	13859.6
-27.5°	19445.1	19790.8	19771.1	19415.3	18595.7	17276.8	15614.3	13728.0	12723.8	13028.2	12846.9
-30°	17529.9	17759.1	17823.7	17384.2	16528.1	15536.4	14064.0	12642.2	11965.7	12363.2	11883.7
-32.5°	16270.1	16427.9	16250.0	15753.4	15043.1	14030.0	12838.5	11742.6	11320.7	11984.0	10978.4
-35°	15261.9	15327.8	15064.1	14459.0	13738.5	12877.4	11863.6	10981.2	11130.5	11690.2	10185.2
-37.5°	14408.3	14328.3	13889.4	13267.9	12640.8	11926.3	11161.9	10738.6	11081.3	11175.8	9269.0
-40°	13504.0	13276.1	12736.9	12038.4	11550.0	11010.8	10559.7	10801.5	11129.2	10498.8	8027.8
-42.5°	12616.1	12126.5	11679.6	11014.4	10613.2	10251.7	10078.1	10991.6	11072.9	9741.4	6738.7
-45°	12357.5	11711.6	11051.1	10289.3	9909.6	9869.1	10162.8	10539.1	10434.0	8897.4	5395.9
-47.5°	12092.4	11360.5	10473.2	9538.8	9124.4	9221.3	9749.2	9494.6	9136.8	7177.8	4152.0
-50°	11304.3	10064.6	8970.9	8162.5	7798.3	7747.8	7898.9	7866.8	7664.3	5256.7	3189.7
-52.5°	8807.6	7694.7	6709.2	5726.5	5782.3	5863.3	5615.6	5789.1	5509.6	3340.0	2320.8
-55°	5777.3	4853.8	4040.1	3570.3	3577.3	3863.4	3805.4	3845.6	3442.6	2481.5	1595.7
-57.5°	3629.7	3014.5	2705.8	2428.3	2526.7	2477.1	2382.0	2454.6	1821.5	1724.1	1331.3
-60°	2419.2	2254.7	2083.4	1937.4	1810.9	1674.3	1574.7	1427.4	1301.0	1118.1	1032.5
-62.5°	1891.6	1764.4	1670.6	1552.2	1413.7	1268.3	1186.4	1064.8	943.2	898.0	752.9
-65°	1522.1	1412.0	1356.3	1253.1	1164.8	1064.7	980.4	878.2	772.6	699.3	628.1
-67.5°	1214.3	1138.4	1094.7	1044.2	959.4	881.8	804.2	724.5	632.2	564.1	511.1
-70°	956.8	906.0	871.9	846.8	785.1	708.1	653.5	583.2	515.6	464.1	406.6
-72.5°	739.5	697.6	675.7	661.6	618.1	559.8	511.5	471.0	419.1	370.0	339.8
-75°	554.0	524.6	513.6	499.1	454.5	429.8	407.8	372.5	332.2	302.3	274.6
-77.5°	429.1	404.0	385.4	373.7	350.8	324.3	310.2	292.7	263.1	235.2	217.5
-80°	319.0	300.4	281.2	273.0	260.5	242.3	231.7	219.6	198.3	182.3	172.2
-82.5°	222.2	212.0	199.5	192.5	183.9	170.1	163.2	160.8	149.7	135.7	126.6
-85°	137.5	137.2	130.3	126.2	122.5	113.6	105.5	105.1	101.0	89.8	83.6
-87.5°	63.7	70.2	66.5	63.4	61.2	57.0	52.0	52.3	50.5	44.9	41.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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°	46.8	39.4	30.3	21.8	14.9	7.8	0.0
85°	93.5	78.6	60.6	43.5	29.8	15.5	0.0
82.5°	140.1	117.7	90.6	65.2	44.6	23.2	0.0
80°	218.9	166.6	120.5	86.8	59.4	30.9	0.0
77.5°	301.4	240.7	161.3	108.3	74.1	38.5	0.0
75°	384.1	314.4	221.3	129.6	88.7	46.0	0.0
72.5°	522.5	387.6	279.7	163.9	103.2	53.4	0.0
70°	679.0	488.3	336.4	199.9	117.5	60.8	0.0
67.5°	834.3	617.7	391.0	233.9	131.6	68.0	0.0
65°	1022.8	744.7	467.0	265.6	146.1	75.1	0.0
62.5°	1245.5	869.0	561.8	294.8	160.5	82.0	0.0
60°	1462.5	1013.5	653.8	321.2	174.3	88.8	0.0
57.5°	1673.2	1181.5	743.0	347.5	187.5	95.4	0.0
55°	1904.2	1343.8	829.2	404.9	200.0	101.8	0.0
52.5°	2124.0	1499.6	919.9	459.0	211.7	108.0	0.0
50°	2335.7	1648.1	1039.7	509.6	222.7	114.0	0.0
47.5°	2537.5	1814.2	1152.0	556.6	232.8	119.8	0.0
45°	2708.0	1971.8	1252.6	599.8	242.2	125.3	0.0
42.5°	2844.0	2120.3	1348.4	639.2	250.6	130.6	0.0
40°	2972.5	2259.6	1439.1	676.8	258.2	135.7	0.0
37.5°	3127.6	2389.2	1524.5	710.9	265.0	140.5	0.0
35°	3377.3	2509.5	1611.0	761.1	282.8	144.6	0.0
32.5°	3671.2	2634.2	1694.2	813.0	302.8	148.3	0.0
30°	3950.6	2766.0	1771.1	858.2	320.6	151.7	0.0
27.5°	4302.3	2903.8	1829.7	896.7	338.8	155.0	0.0
25°	4702.9	3045.9	1880.8	928.5	354.8	158.0	0.0
22.5°	5126.9	3193.3	1925.5	953.7	368.5	160.8	0.0
20°	5702.8	3351.8	1963.5	972.7	379.9	163.3	0.0
17.5°	6594.7	3514.6	1994.6	983.6	389.2	165.5	0.0
15°	7477.2	3726.2	2018.5	987.2	396.4	167.5	0.0
12.5°	8300.0	3993.1	2032.9	984.3	401.7	169.2	0.0
10°	9057.4	4254.6	2039.3	975.3	405.0	170.6	0.0
7.5°	9736.0	4504.4	2038.1	960.8	406.6	171.7	0.0
5°	10327.9	4731.1	2028.8	941.3	406.6	172.5	0.0
2.5°	10833.7	4925.0	2010.9	917.2	405.0	173.1	0.0
0°	11253.5	5076.5	1984.1	889.2	402.1	173.3	0.0
-2.5°	11604.2	5269.7	1950.0	875.9	400.0	173.2	0.0
-5°	11876.4	5401.6	1906.8	859.4	396.7	172.7	0.0
-7.5°	12077.8	5463.2	1855.0	839.9	392.3	172.0	0.0
-10°	12168.8	5445.8	1795.0	817.7	386.8	171.0	0.0
-12.5°	12063.3	5329.7	1727.3	793.1	380.3	169.6	0.0
-15°	11912.6	5118.9	1653.0	766.3	372.8	168.0	0.0
-17.5°	11724.3	4928.8	1575.3	737.4	364.3	166.0	0.0
-20°	11377.3	4749.5	1492.9	708.6	355.0	163.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	10686.0	4496.0	1406.3	683.0	344.8	161.2	0.0
-25°	9900.6	4139.2	1316.4	655.2	333.9	158.4	0.0
-27.5°	9082.2	3711.1	1223.7	625.2	322.2	155.3	0.0
-30°	8199.9	3224.8	1130.0	593.1	309.9	151.9	0.0
-32.5°	7185.4	2680.2	1041.9	559.0	297.0	148.2	0.0
-35°	6175.9	2077.2	948.2	522.9	283.3	144.3	0.0
-37.5°	5238.1	1602.6	864.8	489.6	270.3	140.0	0.0
-40°	4390.4	1468.9	812.9	466.4	261.3	135.2	0.0
-42.5°	3505.4	1330.9	757.8	442.0	251.8	130.1	0.0
-45°	2616.8	1188.7	699.8	416.5	241.9	124.8	0.0
-47.5°	1750.6	1042.7	638.8	389.7	231.5	119.3	0.0
-50°	1477.1	893.6	575.2	361.8	220.8	113.5	0.0
-52.5°	1296.1	810.4	509.1	332.7	209.6	107.5	0.0
-55°	1109.5	724.2	463.4	302.6	198.1	101.3	0.0
-57.5°	904.7	633.8	421.7	271.6	186.3	94.9	0.0
-60°	773.6	539.3	378.6	252.1	174.1	88.3	0.0
-62.5°	645.9	463.4	334.2	233.3	161.6	81.6	0.0
-65°	521.5	403.3	288.6	214.2	148.9	74.7	0.0
-67.5°	425.6	341.5	252.0	194.7	135.4	67.6	0.0
-70°	354.9	278.1	226.2	175.0	121.0	60.5	0.0
-72.5°	286.1	230.1	200.0	155.0	106.4	53.2	0.0
-75°	225.9	197.2	173.5	134.4	91.6	45.8	0.0
-77.5°	186.6	164.2	146.8	112.3	76.6	38.3	0.0
-80°	146.9	131.2	118.4	90.0	61.4	30.7	0.0
-82.5°	107.4	98.2	88.9	67.6	46.2	23.1	0.0
-85°	71.5	65.4	59.4	45.2	30.8	15.4	0.0
-87.5°	35.7	32.7	29.7	22.6	15.4	7.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)