

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: P902098 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-A55-NMB**

Issue Date: 11/13/2024

Test Information

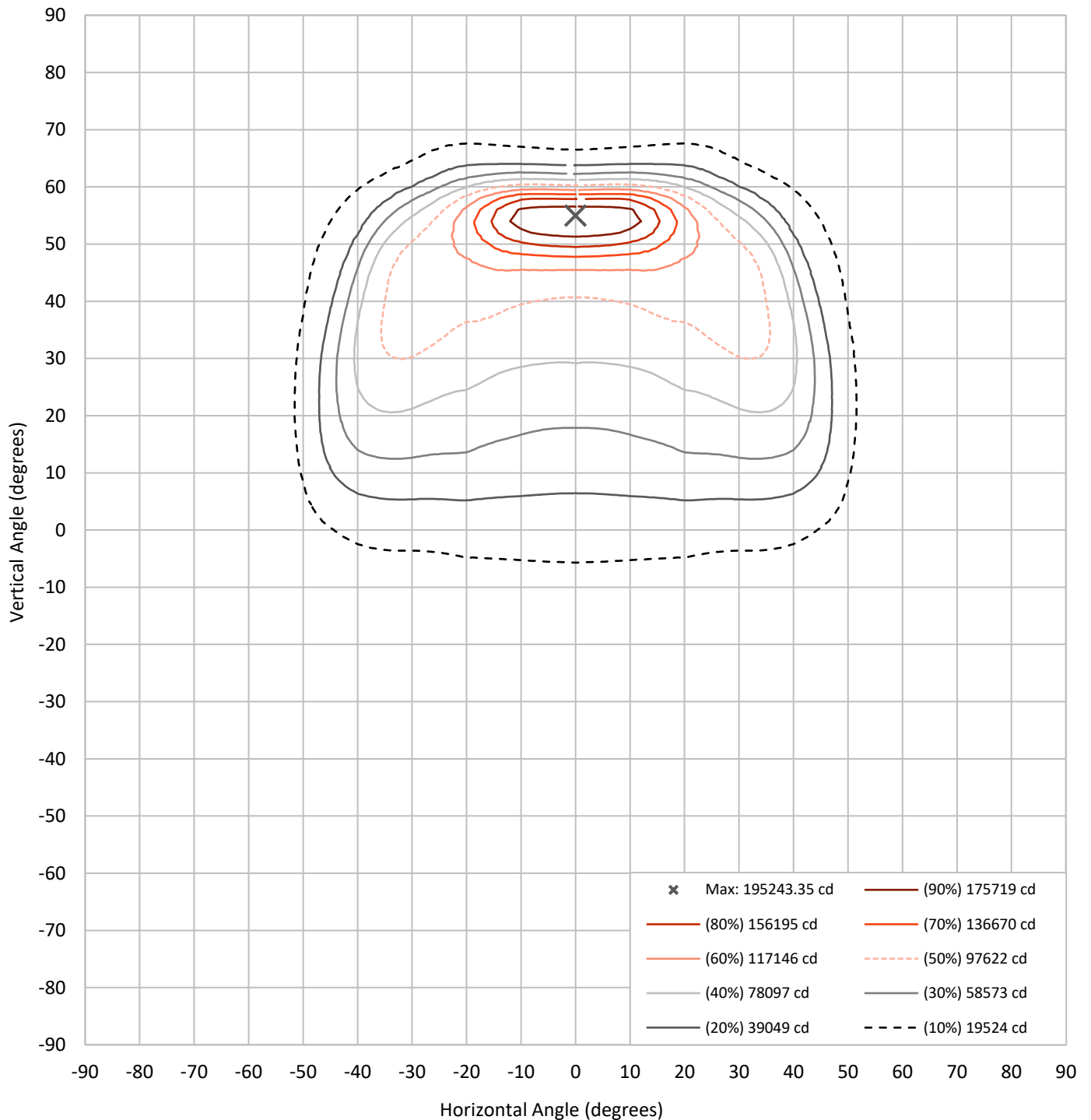
Test Method: LM-79-08
Report Number: P902098 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVA2111038)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A55-NMB
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A55-NMB OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	157092.8 lumens	Max Intensity:	195243.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 55°V
Efficacy:	111.2 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	51.1°H x 19.6°V	Field Angle (10%):	88.7°H x 72°V
Beam Lumens:	51590.7 lumens	Field Lumens:	128590 lumens
Beam Efficiency:	32.8%	Field Efficiency:	81.9%
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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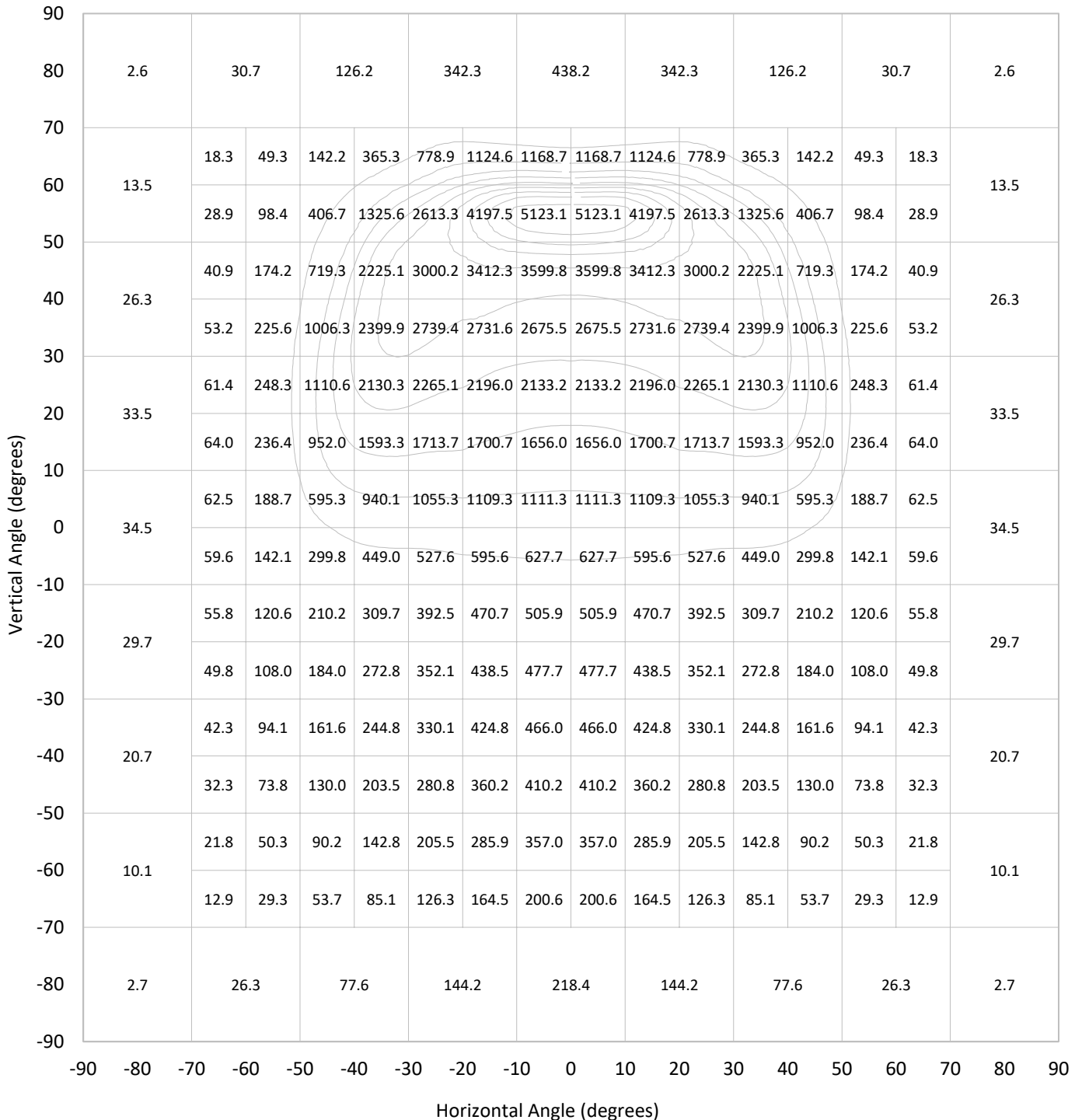
Iso-Candela Plot





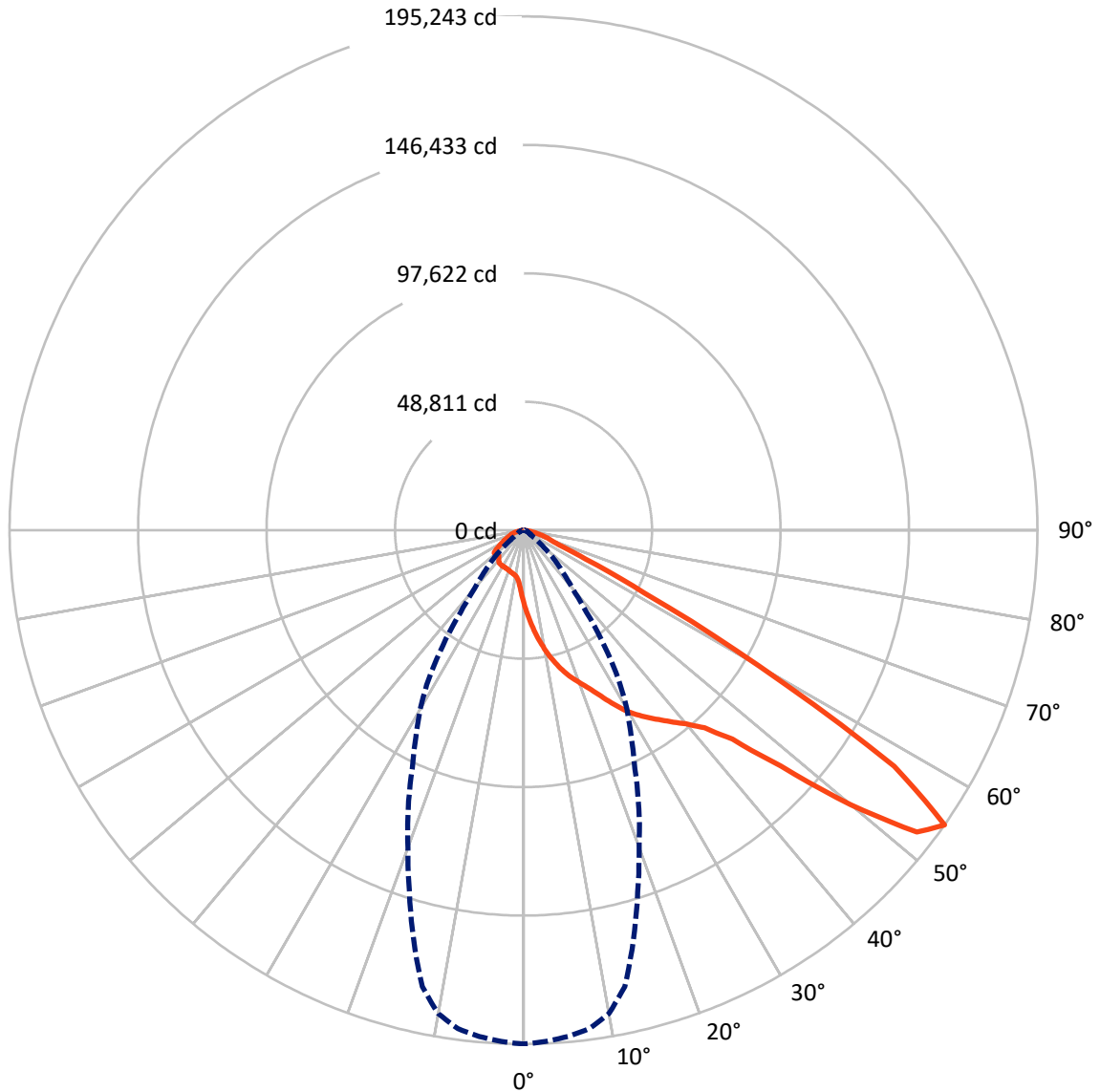
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Lumen Table



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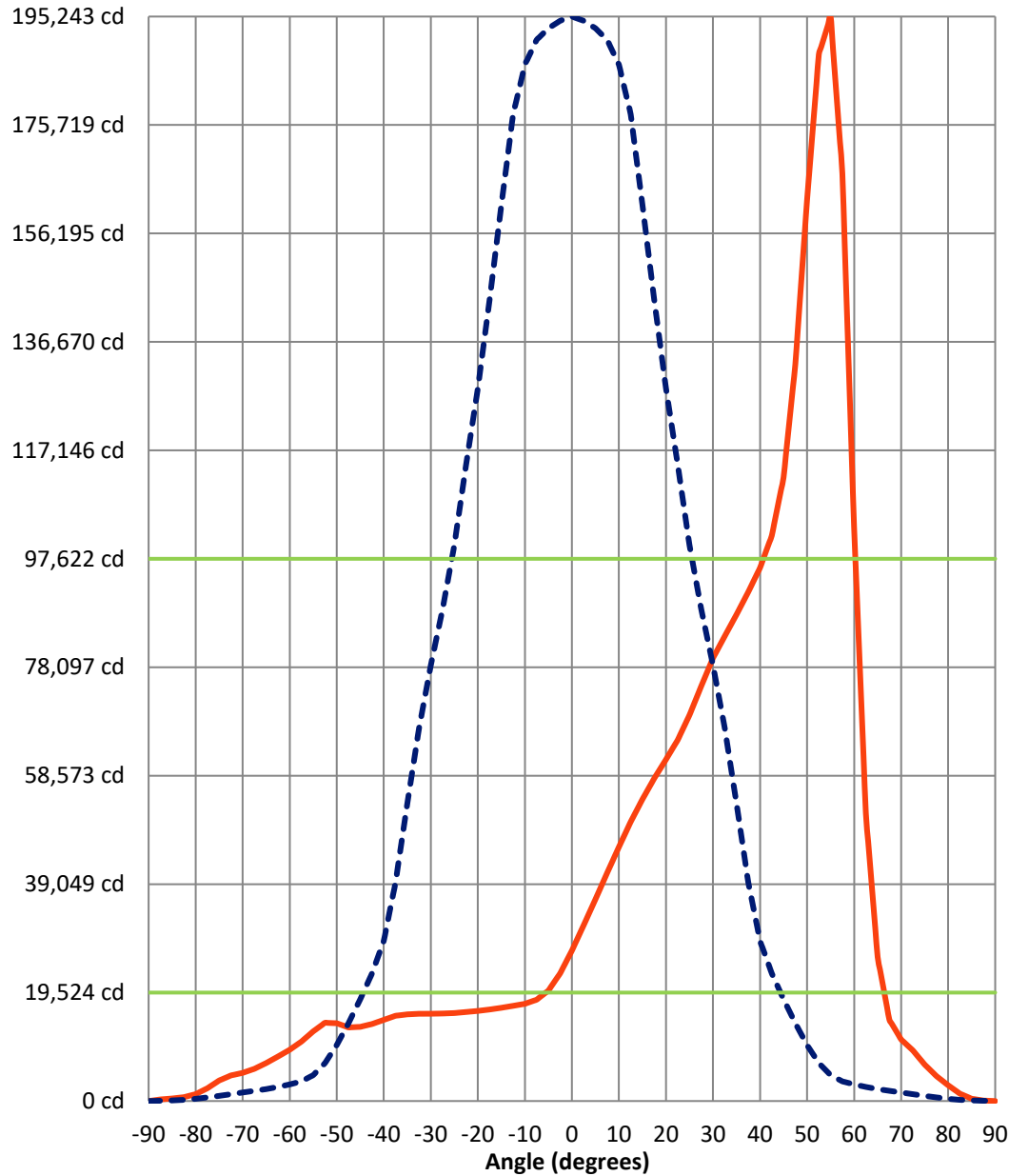
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 55-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 51.1°
 V Angle: 19.6°
 Lumens: 51590.7
 Efficiency: 32.8%

Field:
 H Angle: 88.7°
 V Angle: 72°
 Lumens: 128590
 Efficiency: 81.9%

Spill:
 Lumens: 28502.8
 Efficiency: 18.1%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 55-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	3.8	7.5	11.3	15.0	18.7	22.4	26.0	28.0	30.5	32.7
85°	0.0	7.5	15.1	22.6	30.0	37.4	44.7	52.0	56.0	60.9	70.2
82.5°	0.0	11.3	22.6	33.8	44.9	56.0	67.0	88.7	110.0	130.5	148.3
80°	0.0	15.0	30.0	44.9	59.8	80.7	113.8	146.9	177.2	203.9	241.7
77.5°	0.0	18.7	37.4	56.0	80.0	120.1	162.8	204.5	260.7	330.8	395.7
75°	0.0	22.4	44.7	67.0	109.4	159.0	211.1	291.3	383.5	470.2	563.0
72.5°	0.0	26.0	52.0	84.4	138.1	197.3	286.3	393.6	504.3	630.7	764.8
70°	0.0	29.6	59.1	102.9	166.0	248.7	369.4	493.9	645.9	799.1	966.8
67.5°	0.0	33.1	66.1	120.9	192.9	314.1	450.5	613.3	788.2	971.5	1174.9
65°	0.0	36.5	74.9	138.2	230.2	377.7	539.8	733.2	934.4	1148.6	1376.5
62.5°	0.0	39.9	84.7	154.8	276.3	439.5	638.1	850.0	1087.9	1320.9	1570.6
60°	0.0	43.2	94.3	170.6	320.5	507.5	733.4	981.3	1237.9	1492.0	1763.0
57.5°	0.0	46.5	103.5	186.7	362.6	583.4	825.7	1109.8	1389.7	1661.7	1959.1
55°	0.0	49.6	112.2	214.4	402.5	656.7	931.5	1233.9	1540.4	1841.6	2152.0
52.5°	0.0	52.6	120.6	240.6	443.0	726.9	1032.9	1361.1	1688.7	2021.5	2373.5
50°	0.0	55.6	128.5	265.0	492.3	789.9	1129.7	1484.7	1845.5	2205.1	2591.8
47.5°	0.0	58.4	136.0	287.8	538.2	859.9	1222.3	1603.6	1997.9	2395.5	2820.2
45°	0.0	61.2	143.0	308.7	579.5	924.8	1314.3	1721.3	2137.6	2579.4	3041.2
42.5°	0.0	63.8	149.5	327.8	617.1	984.5	1400.2	1829.5	2284.1	2762.3	3254.2
40°	0.0	66.3	155.5	345.2	650.9	1038.7	1475.0	1928.3	2421.8	2938.0	3479.2
37.5°	0.0	68.6	160.9	360.9	681.0	1087.5	1536.8	2018.4	2550.2	3089.9	3686.3
35°	0.0	71.3	169.7	380.3	712.6	1132.3	1595.1	2104.6	2653.8	3237.4	3877.7
32.5°	0.0	73.9	178.9	399.7	742.9	1172.5	1648.9	2179.2	2748.4	3379.1	4034.8
30°	0.0	76.3	187.1	416.7	769.6	1207.5	1696.2	2242.7	2830.8	3485.5	4166.4
27.5°	0.0	78.5	194.8	431.4	793.9	1237.3	1738.1	2298.8	2902.9	3576.8	4273.6
25°	0.0	80.5	201.7	443.8	814.7	1261.8	1774.4	2347.3	2968.7	3656.0	4382.0
22.5°	0.0	82.3	207.8	453.9	831.8	1282.5	1804.7	2394.2	3034.8	3733.1	4458.5
20°	0.0	83.9	212.9	461.8	845.3	1301.2	1830.9	2436.5	3091.3	3797.2	4532.0
17.5°	0.0	85.3	217.1	469.2	855.2	1315.4	1858.0	2470.3	3136.6	3848.4	4590.5
15°	0.0	86.5	220.5	475.1	861.5	1327.1	1880.3	2497.7	3169.5	3887.4	4640.0
12.5°	0.0	87.5	223.0	479.1	867.8	1336.0	1895.7	2519.1	3194.2	3914.2	4678.5
10°	0.0	88.3	224.7	481.0	872.0	1343.0	1904.0	2531.6	3210.7	3936.8	4693.0
7.5°	0.0	88.9	225.6	481.0	872.9	1347.6	1910.6	2536.5	3215.7	3946.5	4692.9
5°	0.0	89.3	225.7	479.2	870.4	1347.1	1911.8	2537.9	3216.8	3948.5	4677.1
2.5°	0.0	89.5	225.1	475.5	864.8	1341.3	1905.8	2530.4	3209.4	3945.3	4664.7
0°	0.0	89.5	223.7	470.2	855.9	1330.3	1892.7	2514.1	3191.0	3928.8	4637.3
-2.5°	0.0	89.5	223.6	468.9	851.4	1321.9	1878.1	2493.6	3169.6	3911.4	4609.7
-5°	0.0	89.3	222.8	466.0	843.8	1308.4	1856.6	2464.5	3137.2	3881.3	4569.0
-7.5°	0.0	88.9	221.4	461.4	833.2	1290.0	1828.4	2427.0	3094.1	3838.7	4525.3
-10°	0.0	88.4	219.2	455.3	819.6	1266.7	1794.7	2383.0	3041.2	3783.1	4470.6
-12.5°	0.0	87.6	216.3	447.7	803.2	1241.3	1757.8	2331.4	2977.0	3712.2	4399.3
-15°	0.0	86.6	212.8	438.6	785.1	1214.3	1715.1	2272.3	2904.3	3621.6	4314.2
-17.5°	0.0	85.5	208.6	428.0	767.2	1185.3	1667.0	2210.3	2824.9	3519.2	4208.8
-20°	0.0	84.1	203.7	416.5	746.5	1154.1	1615.3	2144.4	2736.0	3411.8	4087.1



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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	82.6	198.2	405.0	723.0	1119.2	1565.7	2071.1	2645.0	3300.6	3956.4
-25°	0.0	80.8	192.0	392.1	696.8	1082.0	1513.7	1996.7	2552.0	3182.5	3828.4
-27.5°	0.0	78.9	185.2	377.7	668.1	1041.7	1457.4	1928.1	2461.5	3066.1	3693.0
-30°	0.0	76.9	177.9	362.0	636.8	998.0	1397.9	1852.6	2366.7	2945.5	3548.4
-32.5°	0.0	74.6	170.6	345.0	604.0	950.8	1336.6	1770.4	2266.5	2816.3	3393.4
-35°	0.0	72.2	162.6	326.6	568.6	900.5	1270.4	1682.3	2157.7	2673.6	3227.3
-37.5°	0.0	69.7	155.1	309.0	534.5	848.9	1202.0	1593.3	2045.3	2528.7	3049.3
-40°	0.0	67.4	150.2	295.3	506.9	798.2	1133.6	1504.7	1923.8	2380.6	2861.0
-42.5°	0.0	64.9	144.8	280.8	477.7	744.3	1060.3	1409.7	1794.3	2215.6	2660.1
-45°	0.0	62.3	139.0	265.4	446.9	687.5	982.3	1308.1	1657.1	2045.5	2452.1
-47.5°	0.0	59.5	132.9	249.2	414.5	627.8	900.0	1203.6	1530.5	1874.8	2239.6
-50°	0.0	56.7	126.4	232.1	380.6	565.5	823.0	1101.2	1394.7	1697.2	2026.6
-52.5°	0.0	53.7	119.5	214.2	345.4	521.8	744.7	995.7	1256.0	1534.7	1829.4
-55°	0.0	50.7	112.3	195.5	318.1	476.6	664.0	889.0	1132.1	1379.5	1633.2
-57.5°	0.0	47.5	104.8	176.0	292.0	430.2	581.7	794.5	1006.8	1225.9	1464.1
-60°	0.0	44.2	96.9	163.0	264.9	382.6	526.2	698.3	884.1	1086.0	1293.0
-62.5°	0.0	40.9	88.8	150.1	237.0	341.3	469.3	602.0	776.6	944.2	1132.9
-65°	0.0	37.4	80.4	136.6	208.1	304.8	411.1	534.3	667.6	819.2	973.6
-67.5°	0.0	33.9	72.3	122.7	183.0	267.3	358.9	464.7	574.9	697.1	831.6
-70°	0.0	30.3	64.8	108.2	162.0	228.8	311.9	395.5	492.2	589.4	695.9
-72.5°	0.0	26.6	57.1	93.4	140.4	195.0	263.7	338.0	410.0	494.6	581.7
-75°	0.0	22.9	49.2	78.7	118.1	165.6	217.3	279.6	343.2	405.9	476.6
-77.5°	0.0	19.2	41.2	66.0	95.3	135.5	178.8	224.5	275.6	330.5	386.6
-80°	0.0	15.4	33.1	53.0	75.2	104.8	139.4	176.2	215.4	256.1	301.7
-82.5°	0.0	11.6	24.9	39.9	56.6	77.8	100.1	127.2	157.9	188.0	220.5
-85°	0.0	7.7	16.6	26.7	37.9	52.1	67.0	83.2	102.4	119.9	139.5
-87.5°	0.0	3.9	8.3	13.4	19.0	26.1	33.6	41.7	51.3	60.0	69.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	34.7	37.6	39.1	40.4	42.9	45.3	46.1	48.3	50.3	52.3	54.1
85°	81.8	93.9	103.4	112.2	121.0	128.1	133.8	139.1	144.3	149.4	153.7
82.5°	163.1	178.5	193.6	225.0	254.3	279.9	302.7	321.4	335.6	347.2	361.8
80°	289.4	336.5	377.6	416.7	459.6	515.3	564.7	610.4	651.4	694.1	740.5
77.5°	456.1	526.8	609.4	695.1	773.4	834.2	932.2	1021.1	1112.4	1239.6	1434.4
75°	673.5	779.6	884.1	1035.9	1186.8	1320.3	1436.9	1581.7	1742.9	2009.8	2408.0
72.5°	903.5	1062.1	1244.1	1439.6	1669.5	1920.8	2136.5	2335.6	2618.5	3028.8	3534.0
70°	1154.5	1361.4	1596.8	1864.8	2190.4	2589.9	2991.3	3335.0	3781.4	4358.1	5013.1
67.5°	1397.4	1651.6	1935.9	2276.6	2717.3	3270.2	3859.8	4458.5	5192.3	6162.2	7340.9
65°	1634.7	1928.3	2261.6	2667.7	3217.7	3899.7	4713.6	5613.0	6917.5	8983.5	11076.7
62.5°	1859.7	2186.0	2574.0	3060.5	3741.1	4677.7	5785.2	7822.1	10120.4	13248.4	16081.4
60°	2075.9	2444.7	2883.4	3487.8	4367.7	5961.4	8011.6	11118.0	14783.5	18517.6	22194.2
57.5°	2299.0	2712.1	3222.7	3917.1	5505.1	7742.6	11111.1	14944.9	19175.7	23699.0	29360.7
55°	2540.5	2996.2	3546.0	4670.4	6833.6	10083.3	14015.7	18332.5	22979.7	28847.7	39367.4
52.5°	2786.6	3288.6	4036.8	5558.2	8403.4	12340.6	16489.6	20760.6	26803.6	36107.4	50854.2
50°	3054.7	3631.2	4538.9	6686.7	10311.1	14406.5	18378.7	23470.7	31093.5	44499.8	62753.5
47.5°	3314.1	3952.8	5245.2	8091.8	12054.1	15917.0	20171.2	26405.9	36469.6	53329.4	73533.8
45°	3585.4	4365.4	6009.7	9460.2	13225.9	16936.1	21653.7	28929.3	42093.0	60765.0	81153.1
42.5°	3845.3	4750.2	6984.3	10454.0	14095.0	17731.2	22934.7	32427.5	47785.8	67420.4	85525.5
40°	4136.5	5268.4	7756.0	11377.4	14787.5	18622.0	24732.4	35935.6	52907.3	72782.8	88836.4
37.5°	4381.3	5793.7	8599.2	11989.3	15365.0	19589.5	26691.9	39569.6	58139.4	76818.0	90903.6
35°	4639.5	6221.6	9221.0	12538.6	15819.9	20362.2	29073.9	43541.3	62526.3	79807.7	92355.0
32.5°	4914.0	6735.8	9717.9	12875.9	16222.1	21590.5	31589.2	47186.7	65793.4	81708.9	93010.2
30°	5087.5	7089.8	10083.1	13100.5	16415.0	22236.3	33301.1	50026.8	67614.3	81738.6	91540.5
27.5°	5250.2	7319.9	10301.6	13236.1	16759.5	23242.5	34955.2	51409.7	67783.1	80510.0	88822.0
25°	5427.4	7550.9	10405.6	13263.4	16861.2	23524.0	35688.5	52101.7	67216.9	78491.9	85083.1
22.5°	5550.5	7626.9	10433.8	13193.5	16877.3	23841.4	36064.7	51449.9	64997.7	74611.5	80092.3
20°	5570.8	7634.6	10337.5	13108.8	16866.6	24011.8	36130.1	50460.5	62645.7	70779.7	75225.7
17.5°	5627.1	7571.5	10141.9	12840.0	16509.2	23465.3	35539.0	48590.3	59039.1	65961.2	69765.4
15°	5667.1	7482.2	9868.8	12436.2	15892.5	22905.3	34198.3	45840.2	54882.1	60920.9	64132.8
12.5°	5679.5	7304.5	9499.7	11926.0	15386.7	22015.7	32139.5	42434.9	50115.2	55038.3	57584.6
10°	5635.6	7103.4	9075.4	11364.6	14569.3	20606.5	29414.9	38115.0	44351.6	48601.2	50753.7
7.5°	5586.9	6872.2	8599.7	10709.6	13588.9	18799.4	26170.7	33133.8	38360.5	41997.8	43846.0
5°	5507.5	6638.7	8181.6	10059.3	12528.5	16790.0	22622.7	28039.8	32320.3	35416.2	36990.7
2.5°	5452.0	6434.5	7778.7	9410.4	11476.0	14771.1	19151.2	23209.6	26598.1	29164.0	30561.9
0°	5378.7	6225.0	7386.7	8790.9	10491.7	12901.5	15965.9	18872.9	21407.8	23487.3	24748.8
-2.5°	5319.6	6084.1	7093.7	8298.2	9706.9	11509.2	13646.3	15681.1	17626.2	19313.4	20311.8
-5°	5247.0	5944.8	6826.2	7878.2	9054.1	10415.5	11933.5	13372.3	14839.5	16136.7	16961.5
-7.5°	5180.5	5838.6	6607.6	7531.3	8520.6	9587.5	10719.4	11764.0	12893.7	13878.2	14565.4
-10°	5104.1	5735.4	6432.4	7259.6	8089.2	8969.6	9883.8	10725.6	11637.7	12462.9	13129.0
-12.5°	5020.1	5633.3	6280.4	7028.4	7776.3	8511.9	9309.3	10089.0	10879.6	11616.5	12292.2
-15°	4924.2	5527.3	6144.3	6828.2	7519.3	8183.0	8902.7	9650.6	10378.5	11081.1	11747.9
-17.5°	4819.7	5416.2	6007.7	6660.6	7300.7	7925.5	8596.6	9300.0	10011.0	10705.9	11377.7
-20°	4699.4	5299.2	5864.7	6495.1	7103.5	7703.5	8341.4	9015.4	9714.6	10415.9	11067.8



REPORT NUMBER: P902098 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NMB

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	4574.1	5161.2	5724.2	6327.3	6910.5	7490.2	8099.5	8756.2	9433.3	10118.2	10725.2
-25°	4434.9	5020.5	5581.8	6149.5	6714.3	7281.4	7861.4	8496.1	9151.2	9802.4	10353.6
-27.5°	4291.9	4864.1	5428.8	5961.9	6512.3	7086.2	7655.6	8232.9	8866.6	9477.5	10026.1
-30°	4135.7	4698.2	5258.6	5774.4	6318.1	6885.4	7439.8	7979.4	8584.4	9191.6	9756.0
-32.5°	3970.7	4525.0	5064.7	5584.7	6113.8	6668.6	7208.2	7748.6	8311.8	8912.0	9527.3
-35°	3793.7	4339.6	4859.0	5368.2	5891.4	6427.3	6949.2	7482.2	8056.2	8655.6	9247.3
-37.5°	3595.3	4124.8	4629.1	5121.4	5635.2	6149.0	6666.6	7183.8	7770.1	8351.3	8927.4
-40°	3369.7	3885.4	4383.8	4852.9	5334.8	5832.5	6338.3	6847.9	7390.5	7984.4	8547.2
-42.5°	3129.7	3616.1	4089.3	4542.3	4998.0	5471.5	5958.4	6463.7	6994.3	7533.8	8094.9
-45°	2882.4	3329.3	3772.4	4209.0	4632.3	5071.9	5533.5	6020.6	6549.8	7071.6	7587.9
-47.5°	2622.8	3036.8	3451.6	3861.6	4259.0	4660.4	5089.0	5543.7	6025.0	6525.1	7015.3
-50°	2380.6	2751.3	3131.4	3513.2	3889.0	4268.0	4636.3	5059.3	5507.7	5959.1	6427.8
-52.5°	2142.0	2473.1	2825.5	3178.1	3526.2	3881.2	4231.9	4594.8	4997.0	5433.9	5871.0
-55°	1922.8	2218.5	2523.8	2853.3	3174.4	3495.9	3821.8	4152.4	4510.8	4897.3	5304.1
-57.5°	1710.0	1970.5	2245.3	2527.6	2820.1	3115.0	3411.5	3714.2	4036.1	4377.9	4729.0
-60°	1511.8	1734.2	1968.6	2215.1	2465.8	2732.1	3001.3	3280.1	3572.8	3874.2	4178.7
-62.5°	1319.6	1511.1	1702.1	1913.2	2129.7	2364.2	2598.4	2856.6	3115.7	3386.3	3650.1
-65°	1140.3	1298.5	1463.8	1626.2	1823.5	2020.7	2233.4	2458.9	2691.5	2928.3	3156.9
-67.5°	966.7	1109.5	1243.3	1390.6	1545.0	1713.0	1897.1	2090.4	2295.0	2496.4	2688.8
-70°	815.0	928.1	1047.6	1168.7	1292.7	1436.8	1585.2	1737.1	1905.9	2072.3	2234.7
-72.5°	667.0	770.1	867.5	961.6	1070.6	1183.1	1297.9	1420.3	1547.4	1668.0	1784.2
-75°	553.7	628.7	701.6	786.6	871.3	954.4	1038.6	1136.0	1230.3	1316.9	1395.5
-77.5°	444.1	506.3	569.5	630.9	693.0	756.1	824.2	891.3	954.0	1011.7	1065.0
-80°	348.8	395.8	439.1	485.2	531.8	570.9	608.1	648.4	688.3	721.7	743.4
-82.5°	253.0	286.4	309.8	331.1	355.8	378.7	399.0	416.5	426.6	430.6	439.9
-85°	156.9	175.6	193.7	208.6	220.7	228.9	236.9	248.4	261.0	275.0	290.5
-87.5°	75.7	81.9	90.4	100.5	110.7	121.3	133.7	146.4	159.2	174.2	185.9
-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: P902098 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	57.0	59.9	62.6	63.5	67.3	69.3	71.1	72.3	75.4	77.0	79.1
85°	163.9	174.4	186.6	197.8	206.8	213.7	220.1	225.2	234.7	249.2	273.7
82.5°	389.7	431.5	491.7	542.4	582.1	598.8	602.1	615.7	650.2	715.9	802.9
80°	843.6	1026.2	1214.5	1340.3	1422.2	1453.0	1449.6	1490.4	1603.6	1760.8	1931.1
77.5°	1754.8	2110.4	2391.5	2579.7	2684.5	2739.9	2815.1	2962.2	3178.4	3416.6	3666.6
75°	2858.7	3297.6	3715.9	4069.7	4359.7	4611.5	4865.0	5173.3	5538.0	5905.4	6172.5
72.5°	4105.2	4782.2	5559.7	6390.0	7160.3	7802.8	8252.4	8566.1	8785.5	8877.3	8864.9
70°	5912.9	7059.9	8330.2	9774.4	11081.7	12097.2	12546.7	12619.7	12422.0	12001.5	11415.4
67.5°	8922.0	10727.2	12789.7	15100.7	17270.0	18755.1	19215.2	18808.7	18000.2	17113.6	16512.6
65°	13201.9	15481.9	18085.9	21352.1	25331.5	28556.9	30306.7	30354.0	29538.5	28970.9	28396.4
62.5°	18581.8	21894.3	25643.4	30533.0	36879.7	42709.8	47222.8	50513.8	53287.3	54674.0	55296.6
60°	26353.6	32613.6	39370.1	47473.3	57551.6	67743.2	77291.2	87116.3	95206.5	101647.2	105908.0
57.5°	37242.2	49095.3	60018.1	70673.7	82626.6	96171.0	110064.5	124996.2	140076.0	154319.2	164909.5
55°	53549.5	67119.1	78440.0	88546.4	100086.6	114555.2	128305.3	144269.5	161312.3	177618.5	186555.5
52.5°	67902.8	81317.4	90892.5	99088.7	107338.0	117392.9	128631.6	141458.1	156110.0	168540.9	177171.0
50°	81256.3	92311.7	99221.3	105037.5	110946.6	116638.3	123241.3	130668.1	139561.4	147857.2	153222.5
47.5°	89822.3	99390.2	105108.4	108841.4	112228.1	114450.8	117058.9	120987.9	125687.2	128701.2	129753.5
45°	94771.6	102657.1	106862.0	108836.1	109820.7	109740.5	110188.5	112224.3	114578.6	114242.8	112997.3
42.5°	97080.0	103508.0	106291.5	107208.5	107067.4	105972.4	105348.2	106580.1	107544.8	105976.3	104488.9
40°	98674.5	103789.8	105663.5	105846.0	104917.7	103108.8	102010.0	102663.7	102453.6	100236.7	98641.0
37.5°	99683.3	104042.6	105085.6	104509.3	102852.4	100492.4	98997.9	99131.9	97794.6	95318.9	93946.6
35°	100318.1	103630.6	103789.8	102445.6	100284.3	97546.2	95873.5	95386.4	93202.0	90925.9	89627.8
32.5°	99438.2	101590.1	101145.5	99264.0	96762.7	93916.6	92355.0	91379.3	88487.8	86460.8	85360.6
30°	96500.5	98013.3	97329.3	95087.4	92248.5	89630.1	88282.9	86955.6	83824.1	81965.1	80951.0
27.5°	92585.6	93495.8	92454.2	89931.0	87076.6	84761.7	83837.1	81965.6	78965.9	77246.7	76125.3
25°	87793.6	88181.4	86656.3	84192.5	81709.8	79647.0	79012.7	76748.6	73895.0	72238.5	71177.9
22.5°	82320.5	82417.2	80917.4	78655.3	76494.4	74981.2	74312.7	71863.8	69300.3	67838.9	66754.5
20°	76871.5	76787.7	75460.0	73510.3	71740.0	70552.2	70133.9	67516.1	65381.3	64025.4	63014.9
17.5°	71138.5	71106.6	70122.7	68539.0	67156.3	66455.5	65915.4	63467.1	61781.1	60691.2	59751.9
15°	65245.2	65217.8	64344.8	63175.3	62251.1	61989.6	61474.9	59489.2	58012.7	57103.5	56227.8
12.5°	58650.7	58860.4	58290.4	57262.5	56676.1	56777.8	56424.3	54585.0	53532.4	52762.0	52029.1
10°	51758.4	52076.9	51658.6	50942.1	50632.4	50964.4	50783.6	49134.4	48369.7	47838.3	47339.3
7.5°	44749.3	45052.8	44840.3	44349.6	44279.5	44746.8	44824.2	43762.1	43037.7	42575.9	42264.7
5°	37807.1	38144.4	38022.4	37745.4	37915.0	38430.9	38583.6	37982.9	37660.3	37364.5	37111.8
2.5°	31309.5	31601.8	31555.2	31444.6	31703.3	32263.1	32589.5	32229.3	32130.6	32187.7	32216.8
0°	25432.9	25692.7	25704.7	25661.0	26008.2	26574.8	27104.3	26992.0	27040.5	27087.9	27126.1
-2.5°	20879.2	21059.9	21033.2	21060.7	21405.0	21918.1	22467.8	22477.9	22550.2	22646.7	22761.6
-5°	17401.7	17535.4	17561.2	17679.9	18091.1	18574.3	18970.8	19089.0	19202.3	19324.6	19467.7
-7.5°	15046.5	15265.8	15385.2	15691.2	16165.8	16615.0	16986.3	17225.3	17425.9	17616.0	17828.0
-10°	13673.3	13996.3	14269.4	14638.9	15106.4	15617.1	16088.8	16362.8	16683.9	16943.3	17179.7
-12.5°	12836.8	13312.0	13694.0	14079.6	14519.5	15035.3	15561.2	16008.7	16392.4	16656.0	16842.8
-15°	12326.0	12899.3	13397.9	13749.8	14086.8	14600.6	15227.6	15737.8	16133.9	16357.8	16510.9
-17.5°	11983.2	12571.1	13110.4	13440.4	13694.4	14236.3	14894.1	15430.7	15809.7	16033.1	16149.6
-20°	11647.9	12223.0	12751.9	13049.7	13321.7	13826.6	14515.7	15061.7	15476.0	15752.7	15888.8



REPORT NUMBER: P902098 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	11281.5	11835.3	12322.2	12598.4	12887.0	13442.8	14146.6	14694.9	15176.5	15490.6	15679.7
-25°	10883.2	11438.2	11944.0	12236.3	12523.6	13108.1	13804.5	14447.6	14936.7	15325.3	15545.8
-27.5°	10571.1	11138.5	11645.3	11969.9	12297.9	12861.1	13589.5	14266.9	14821.5	15262.9	15478.6
-30°	10303.4	10886.1	11432.7	11828.4	12167.3	12718.3	13465.5	14187.1	14790.1	15266.0	15492.1
-32.5°	10056.1	10666.7	11256.8	11706.4	12087.0	12636.8	13384.9	14155.7	14792.6	15278.3	15520.7
-35°	9806.9	10443.3	11067.0	11540.7	11951.6	12514.5	13247.9	14024.7	14699.7	15205.3	15495.2
-37.5°	9503.3	10157.4	10794.4	11300.2	11712.9	12231.5	12950.6	13740.7	14454.9	14980.1	15233.9
-40°	9133.8	9765.1	10409.0	10927.9	11336.7	11782.5	12451.2	13211.9	13902.5	14393.3	14666.3
-42.5°	8700.0	9338.7	9936.8	10435.6	10799.7	11191.8	11779.6	12489.5	13126.8	13597.2	13865.6
-45°	8180.9	8814.1	9429.4	9875.5	10212.7	10536.1	11052.3	11672.9	12274.0	12766.1	13109.6
-47.5°	7565.4	8168.6	8750.3	9220.5	9570.1	9879.9	10325.2	10888.9	11480.5	12056.2	12520.5
-50°	6891.6	7443.6	7986.6	8470.0	8886.2	9203.0	9575.4	10131.1	10822.3	11638.1	12371.7
-52.5°	6294.5	6758.3	7231.4	7689.1	8097.7	8424.4	8842.5	9538.2	10511.5	11600.6	12520.9
-55°	5708.8	6119.9	6536.8	6943.8	7331.4	7753.5	8365.1	9186.5	10160.6	11034.9	11585.7
-57.5°	5092.5	5482.4	5869.1	6259.4	6714.4	7297.8	7970.2	8493.2	8959.7	9389.0	9774.8
-60°	4493.7	4834.9	5191.7	5616.2	6195.5	6867.2	7295.2	7403.9	7586.8	7886.7	8257.5
-62.5°	3914.4	4197.5	4490.6	4904.7	5516.4	6044.8	6195.4	6265.6	6449.6	6728.1	7076.4
-65°	3383.8	3606.0	3836.5	4144.8	4584.4	4941.1	5114.7	5289.2	5482.4	5714.1	6005.8
-67.5°	2870.3	3049.1	3230.2	3431.2	3683.4	3952.5	4186.9	4410.6	4622.2	4827.7	5070.8
-70°	2384.6	2528.3	2672.3	2815.8	2958.1	3135.3	3328.9	3548.8	3790.0	4030.2	4284.3
-72.5°	1906.7	2032.0	2156.8	2279.0	2393.2	2503.2	2621.7	2768.2	2959.8	3198.4	3515.1
-75°	1479.3	1569.5	1663.7	1758.3	1849.3	1940.8	2026.3	2121.9	2246.2	2442.7	2736.5
-77.5°	1114.6	1162.5	1215.1	1271.6	1328.2	1390.5	1453.5	1511.5	1582.7	1679.1	1797.8
-80°	761.3	781.9	803.4	833.3	866.6	903.9	940.4	971.0	993.8	1016.5	1041.0
-82.5°	461.1	485.4	507.4	526.1	545.3	564.4	582.5	600.2	617.2	629.3	639.9
-85°	307.3	324.2	340.9	356.6	372.4	387.6	400.6	413.3	423.6	433.9	442.8
-87.5°	199.0	207.9	216.7	227.1	237.5	246.2	254.5	262.7	270.1	276.4	281.9
-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):

	-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°	83.9	86.4	88.7	88.5	88.7	86.4	83.9	79.1	77.0	75.4	72.3
85°	317.7	369.0	406.6	416.7	406.6	369.0	317.7	273.7	249.2	234.7	225.2
82.5°	961.3	1138.1	1279.4	1332.2	1279.4	1138.1	961.3	802.9	715.9	650.2	615.7
80°	2220.1	2519.0	2737.8	2834.6	2737.8	2519.0	2220.1	1931.1	1760.8	1603.6	1490.4
77.5°	3926.9	4189.2	4389.8	4496.2	4389.8	4189.2	3926.9	3666.6	3416.6	3178.4	2962.2
75°	6264.2	6364.0	6499.1	6574.3	6499.1	6364.0	6264.2	6172.5	5905.4	5538.0	5173.3
72.5°	8798.5	8834.4	8980.9	9108.3	8980.9	8834.4	8798.5	8864.9	8877.3	8785.5	8566.1
70°	10883.3	10705.0	10889.1	11087.5	10889.1	10705.0	10883.3	11415.4	12001.5	12422.0	12619.7
67.5°	15847.2	15188.5	14785.6	14643.1	14785.6	15188.5	15847.2	16512.6	17113.6	18000.2	18808.7
65°	27736.6	26918.4	26238.8	25943.2	26238.8	26918.4	27736.6	28396.4	28970.9	29538.5	30354.0
62.5°	54937.3	53716.7	52420.4	51823.9	52420.4	53716.7	54937.3	55296.6	54674.0	53287.3	50513.8
60°	107115.7	106079.3	104334.0	103267.5	104334.0	106079.3	107115.7	105908.0	101647.2	95206.5	87116.3
57.5°	167807.8	167631.6	167120.7	166999.9	167120.7	167631.6	167807.8	164909.5	154319.2	140076.0	124996.2
55°	191035.7	193130.1	194474.9	195243.4	194474.9	193130.1	191035.7	186555.5	177618.5	161312.3	144269.5
52.5°	182089.3	185392.4	187453.8	188388.8	187453.8	185392.4	182089.3	177171.0	168540.9	156110.0	141458.1
50°	156858.6	159626.5	161101.3	162228.1	161101.3	159626.5	156858.6	153222.5	147857.2	139561.4	130668.1
47.5°	130761.4	131878.3	132222.8	132598.7	132222.8	131878.3	130761.4	129753.5	128701.2	125687.2	120987.9
45°	113077.6	112834.3	112376.6	112259.0	112376.6	112834.3	113077.6	112997.3	114242.8	114578.6	112224.3
42.5°	103783.7	102951.2	102090.2	101797.2	102090.2	102951.2	103783.7	104488.9	105976.3	107544.8	106580.1
40°	97607.5	96708.1	95987.6	96008.1	95987.6	96708.1	97607.5	98641.0	100236.7	102453.6	102663.7
37.5°	92940.5	92211.1	91662.7	91653.6	91662.7	92211.1	92940.5	93946.6	95318.9	97794.6	99131.9
35°	88686.5	88057.9	87628.9	87590.3	87628.9	88057.9	88686.5	89627.8	90925.9	93202.0	95386.4
32.5°	84476.7	83882.8	83554.8	83701.4	83554.8	83882.8	84476.7	85360.6	86460.8	88487.8	91379.3
30°	80075.1	79583.4	79267.8	79750.8	79267.8	79583.4	80075.1	80951.0	81965.1	83824.1	86955.6
27.5°	75309.7	74918.8	74560.6	74699.6	74560.6	74918.8	75309.7	76125.3	77246.7	78965.9	81965.6
25°	70273.7	69867.4	69597.1	69490.5	69597.1	69867.4	70273.7	71177.9	72238.5	73895.0	76748.6
22.5°	65945.4	65426.4	65200.5	65013.3	65200.5	65426.4	65945.4	66754.5	67838.9	69300.3	71863.8
20°	62250.8	61663.9	61459.7	61486.1	61459.7	61663.9	62250.8	63014.9	64025.4	65381.3	67516.1
17.5°	58864.0	58301.9	58073.6	58077.8	58073.6	58301.9	58864.0	59751.9	60691.2	61781.1	63467.1
15°	55372.4	54751.5	54473.2	54334.8	54473.2	54751.5	55372.4	56227.8	57103.5	58012.7	59489.2
12.5°	51374.8	50726.8	50409.4	50271.1	50409.4	50726.8	51374.8	52029.1	52762.0	53532.4	54585.0
10°	46781.5	46317.0	45863.9	45746.0	45863.9	46317.0	46781.5	47339.3	47838.3	48369.7	49134.4
7.5°	41768.9	41442.2	41117.4	41086.6	41117.4	41442.2	41768.9	42264.7	42575.9	43037.7	43762.1
5°	36849.7	36528.5	36352.7	36314.7	36352.7	36528.5	36849.7	37111.8	37364.5	37660.3	37982.9
2.5°	32012.0	31800.0	31650.8	31656.2	31650.8	31800.0	32012.0	32216.8	32187.7	32130.6	32229.3
0°	27070.3	27021.8	27040.0	27087.9	27040.0	27021.8	27070.3	27126.1	27087.9	27040.5	26992.0
-2.5°	22777.1	22806.2	22881.0	22991.5	22881.0	22806.2	22777.1	22761.6	22646.7	22550.2	22477.9
-5°	19610.5	19758.2	19766.2	19892.6	19766.2	19758.2	19610.5	19467.7	19324.6	19202.3	19089.0
-7.5°	18000.0	18137.8	18164.8	18249.9	18164.8	18137.8	18000.0	17828.0	17616.0	17425.9	17225.3
-10°	17335.6	17398.6	17462.1	17507.7	17462.1	17398.6	17335.6	17179.7	16943.3	16683.9	16362.8
-12.5°	16957.6	17045.6	17093.0	17141.1	17093.0	17045.6	16957.6	16842.8	16656.0	16392.4	16008.7
-15°	16615.9	16705.1	16748.7	16788.9	16748.7	16705.1	16615.9	16510.9	16357.8	16133.9	15737.8
-17.5°	16259.4	16359.4	16422.4	16481.0	16422.4	16359.4	16259.4	16149.6	16033.1	15809.7	15430.7
-20°	16002.9	16096.3	16157.8	16226.2	16157.8	16096.3	16002.9	15888.8	15752.7	15476.0	15061.7



REPORT NUMBER: P902098 (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°	15810.2	15900.2	15955.4	16031.8	15955.4	15900.2	15810.2	15679.7	15490.6	15176.5	14694.9
-25°	15660.8	15703.7	15779.8	15841.4	15779.8	15703.7	15660.8	15545.8	15325.3	14936.7	14447.6
-27.5°	15584.5	15611.6	15664.7	15758.3	15664.7	15611.6	15584.5	15478.6	15262.9	14821.5	14266.9
-30°	15565.9	15585.5	15648.1	15719.3	15648.1	15585.5	15565.9	15492.1	15266.0	14790.1	14187.1
-32.5°	15574.0	15595.8	15630.3	15713.1	15630.3	15595.8	15574.0	15520.7	15278.3	14792.6	14155.7
-35°	15520.5	15507.3	15531.9	15606.8	15531.9	15507.3	15520.5	15495.2	15205.3	14699.7	14024.7
-37.5°	15260.0	15242.1	15271.6	15349.8	15271.6	15242.1	15260.0	15233.9	14980.1	14454.9	13740.7
-40°	14664.1	14584.3	14567.2	14613.4	14567.2	14584.3	14664.1	14666.3	14393.3	13902.5	13211.9
-42.5°	13930.8	13866.5	13850.8	13869.5	13850.8	13866.5	13930.8	13865.6	13597.2	13126.8	12489.5
-45°	13296.7	13317.6	13327.0	13361.6	13327.0	13317.6	13296.7	13109.6	12766.1	12274.0	11672.9
-47.5°	12840.4	13035.2	13154.4	13253.3	13154.4	13035.2	12840.4	12520.5	12056.2	11480.5	10888.9
-50°	13013.7	13465.1	13797.8	14001.6	13797.8	13465.1	13013.7	12371.7	11638.1	10822.3	10131.1
-52.5°	13179.0	13602.0	13893.7	14092.1	13893.7	13602.0	13179.0	12520.9	11600.6	10511.5	9538.2
-55°	11980.4	12226.0	12408.9	12543.6	12408.9	12226.0	11980.4	11585.7	11034.9	10160.6	9186.5
-57.5°	10152.9	10413.0	10603.8	10712.6	10603.8	10413.0	10152.9	9774.8	9389.0	8959.7	8493.2
-60°	8607.9	8877.6	9102.2	9231.8	9102.2	8877.6	8607.9	8257.5	7886.7	7586.8	7403.9
-62.5°	7421.9	7700.4	7924.7	8013.9	7924.7	7700.4	7421.9	7076.4	6728.1	6449.6	6265.6
-65°	6312.4	6565.7	6745.7	6840.7	6745.7	6565.7	6312.4	6005.8	5714.1	5482.4	5289.2
-67.5°	5338.7	5564.8	5728.2	5806.3	5728.2	5564.8	5338.7	5070.8	4827.7	4622.2	4410.6
-70°	4566.7	4814.5	4990.8	5075.0	4990.8	4814.5	4566.7	4284.3	4030.2	3790.0	3548.8
-72.5°	3879.0	4206.8	4466.9	4605.8	4466.9	4206.8	3879.0	3515.1	3198.4	2959.8	2768.2
-75°	3002.1	3243.2	3517.9	3694.8	3517.9	3243.2	3002.1	2736.5	2442.7	2246.2	2121.9
-77.5°	1902.7	2050.8	2217.7	2306.3	2217.7	2050.8	1902.7	1797.8	1679.1	1582.7	1511.5
-80°	1090.8	1161.9	1218.6	1243.5	1218.6	1161.9	1090.8	1041.0	1016.5	993.8	971.0
-82.5°	656.5	676.3	693.1	699.8	693.1	676.3	656.5	639.9	629.3	617.2	600.2
-85°	450.9	457.6	461.2	463.2	461.2	457.6	450.9	442.8	433.9	423.6	413.3
-87.5°	285.8	289.1	290.1	290.8	290.1	289.1	285.8	281.9	276.4	270.1	262.7
-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):

	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°	71.1	69.3	67.3	63.5	62.6	59.9	57.0	54.1	52.3	50.3	48.3
85°	220.1	213.7	206.8	197.8	186.6	174.4	163.9	153.7	149.4	144.3	139.1
82.5°	602.1	598.8	582.1	542.4	491.7	431.5	389.7	361.8	347.2	335.6	321.4
80°	1449.6	1453.0	1422.2	1340.3	1214.5	1026.2	843.6	740.5	694.1	651.4	610.4
77.5°	2815.1	2739.9	2684.5	2579.7	2391.5	2110.4	1754.8	1434.4	1239.6	1112.4	1021.1
75°	4865.0	4611.5	4359.7	4069.7	3715.9	3297.6	2858.7	2408.0	2009.8	1742.9	1581.7
72.5°	8252.4	7802.8	7160.3	6390.0	5559.7	4782.2	4105.2	3534.0	3028.8	2618.5	2335.6
70°	12546.7	12097.2	11081.7	9774.4	8330.2	7059.9	5912.9	5013.1	4358.1	3781.4	3335.0
67.5°	19215.2	18755.1	17270.0	15100.7	12789.7	10727.2	8922.0	7340.9	6162.2	5192.3	4458.5
65°	30306.7	28556.9	25331.5	21352.1	18085.9	15481.9	13201.9	11076.7	8983.5	6917.5	5613.0
62.5°	47222.8	42709.8	36879.7	30533.0	25643.4	21894.3	18581.8	16081.4	13248.4	10120.4	7822.1
60°	77291.2	67743.2	57551.6	47473.3	39370.1	32613.6	26353.6	22194.2	18517.6	14783.5	11118.0
57.5°	110064.5	96171.0	82626.6	70673.7	60018.1	49095.3	37242.2	29360.7	23699.0	19175.7	14944.9
55°	128305.3	114555.2	100086.6	88546.4	78440.0	67119.1	53549.5	39367.4	28847.7	22979.7	18332.5
52.5°	128631.6	117392.9	107338.0	99088.7	90892.5	81317.4	67902.8	50854.2	36107.4	26803.6	20760.6
50°	123241.3	116638.3	110946.6	105037.5	99221.3	92311.7	81256.3	62753.5	44499.8	31093.5	23470.7
47.5°	117058.9	114450.8	112228.1	108841.4	105108.4	99390.2	89822.3	73533.8	53329.4	36469.6	26405.9
45°	110188.5	109740.5	109820.7	108836.1	106862.0	102657.1	94771.6	81153.1	60765.0	42093.0	28929.3
42.5°	105348.2	105972.4	107067.4	107208.5	106291.5	103508.0	97080.0	85525.5	67420.4	47785.8	32427.5
40°	102010.0	103108.8	104917.7	105846.0	105663.5	103789.8	98674.5	88836.4	72782.8	52907.3	35935.6
37.5°	98997.9	100492.4	102852.4	104509.3	105085.6	104042.6	99683.3	90903.6	76818.0	58139.4	39569.6
35°	95873.5	97546.2	100284.3	102445.6	103789.8	103630.6	100318.1	92355.0	79807.7	62526.3	43541.3
32.5°	92355.0	93916.6	96762.7	99264.0	101145.5	101590.1	99438.2	93010.2	81708.9	65793.4	47186.7
30°	88282.9	89630.1	92248.5	95087.4	97329.3	98013.3	96500.5	91540.5	81738.6	67614.3	50026.8
27.5°	83837.1	84761.7	87076.6	89931.0	92454.2	93495.8	92585.6	88822.0	80510.0	67783.1	51409.7
25°	79012.7	79647.0	81709.8	84192.5	86656.3	88181.4	87793.6	85083.1	78491.9	67216.9	52101.7
22.5°	74312.7	74981.2	76494.4	78655.3	80917.4	82417.2	82320.5	80092.3	74611.5	64997.7	51449.9
20°	70133.9	70552.2	71740.0	73510.3	75460.0	76787.7	76871.5	75225.7	70779.7	62645.7	50460.5
17.5°	65915.4	66455.5	67156.3	68539.0	70122.7	71106.6	71138.5	69765.4	65961.2	59039.1	48590.3
15°	61474.9	61989.6	62251.1	63175.3	64344.8	65217.8	65245.2	64132.8	60920.9	54882.1	45840.2
12.5°	56424.3	56777.8	56676.1	57262.5	58290.4	58860.4	58650.7	57584.6	55038.3	50115.2	42434.9
10°	50783.6	50964.4	50632.4	50942.1	51658.6	52076.9	51758.4	50753.7	48601.2	44351.6	38115.0
7.5°	44824.2	44746.8	44279.5	44349.6	44840.3	45052.8	44749.3	43846.0	41997.8	38360.5	33133.8
5°	38583.6	38430.9	37915.0	37745.4	38022.4	38144.4	37807.1	36990.7	35416.2	32320.3	28039.8
2.5°	32589.5	32263.1	31703.3	31444.6	31555.2	31601.8	31309.5	30561.9	29164.0	26598.1	23209.6
0°	27104.3	26574.8	26008.2	25661.0	25704.7	25692.7	25432.9	24748.8	23487.3	21407.8	18872.9
-2.5°	22467.8	21918.1	21405.0	21060.7	21033.2	21059.9	20879.2	20311.8	19313.4	17626.2	15681.1
-5°	18970.8	18574.3	18091.1	17679.9	17561.2	17535.4	17401.7	16961.5	16136.7	14839.5	13372.3
-7.5°	16986.3	16615.0	16165.8	15691.2	15385.2	15265.8	15046.5	14565.4	13878.2	12893.7	11764.0
-10°	16088.8	15617.1	15106.4	14638.9	14269.4	13996.3	13673.3	13129.0	12462.9	11637.7	10725.6
-12.5°	15561.2	15035.3	14519.5	14079.6	13694.0	13312.0	12836.8	12292.2	11616.5	10879.6	10089.0
-15°	15227.6	14600.6	14086.8	13749.8	13397.9	12899.3	12326.0	11747.9	11081.1	10378.5	9650.6
-17.5°	14894.1	14236.3	13694.4	13440.4	13110.4	12571.1	11983.2	11377.7	10705.9	10011.0	9300.0
-20°	14515.7	13826.6	13321.7	13049.7	12751.9	12223.0	11647.9	11067.8	10415.9	9714.6	9015.4



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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°	14146.6	13442.8	12887.0	12598.4	12322.2	11835.3	11281.5	10725.2	10118.2	9433.3	8756.2
-25°	13804.5	13108.1	12523.6	12236.3	11944.0	11438.2	10883.2	10353.6	9802.4	9151.2	8496.1
-27.5°	13589.5	12861.1	12297.9	11969.9	11645.3	11138.5	10571.1	10026.1	9477.5	8866.6	8232.9
-30°	13465.5	12718.3	12167.3	11828.4	11432.7	10886.1	10303.4	9756.0	9191.6	8584.4	7979.4
-32.5°	13384.9	12636.8	12087.0	11706.4	11256.8	10666.7	10056.1	9527.3	8912.0	8311.8	7748.6
-35°	13247.9	12514.5	11951.6	11540.7	11067.0	10443.3	9806.9	9247.3	8655.6	8056.2	7482.2
-37.5°	12950.6	12231.5	11712.9	11300.2	10794.4	10157.4	9503.3	8927.4	8351.3	7770.1	7183.8
-40°	12451.2	11782.5	11336.7	10927.9	10409.0	9765.1	9133.8	8547.2	7984.4	7390.5	6847.9
-42.5°	11779.6	11191.8	10799.7	10435.6	9936.8	9338.7	8700.0	8094.9	7533.8	6994.3	6463.7
-45°	11052.3	10536.1	10212.7	9875.5	9429.4	8814.1	8180.9	7587.9	7071.6	6549.8	6020.6
-47.5°	10325.2	9879.9	9570.1	9220.5	8750.3	8168.6	7565.4	7015.3	6525.1	6025.0	5543.7
-50°	9575.4	9203.0	8886.2	8470.0	7986.6	7443.6	6891.6	6427.8	5959.1	5507.7	5059.3
-52.5°	8842.5	8424.4	8097.7	7689.1	7231.4	6758.3	6294.5	5871.0	5433.9	4997.0	4594.8
-55°	8365.1	7753.5	7331.4	6943.8	6536.8	6119.9	5708.8	5304.1	4897.3	4510.8	4152.4
-57.5°	7970.2	7297.8	6714.4	6259.4	5869.1	5482.4	5092.5	4729.0	4377.9	4036.1	3714.2
-60°	7295.2	6867.2	6195.5	5616.2	5191.7	4834.9	4493.7	4178.7	3874.2	3572.8	3280.1
-62.5°	6195.4	6044.8	5516.4	4904.7	4490.6	4197.5	3914.4	3650.1	3386.3	3115.7	2856.6
-65°	5114.7	4941.1	4584.4	4144.8	3836.5	3606.0	3383.8	3156.9	2928.3	2691.5	2458.9
-67.5°	4186.9	3952.5	3683.4	3431.2	3230.2	3049.1	2870.3	2688.8	2496.4	2295.0	2090.4
-70°	3328.9	3135.3	2958.1	2815.8	2672.3	2528.3	2384.6	2234.7	2072.3	1905.9	1737.1
-72.5°	2621.7	2503.2	2393.2	2279.0	2156.8	2032.0	1906.7	1784.2	1668.0	1547.4	1420.3
-75°	2026.3	1940.8	1849.3	1758.3	1663.7	1569.5	1479.3	1395.5	1316.9	1230.3	1136.0
-77.5°	1453.5	1390.5	1328.2	1271.6	1215.1	1162.5	1114.6	1065.0	1011.7	954.0	891.3
-80°	940.4	903.9	866.6	833.3	803.4	781.9	761.3	743.4	721.7	688.3	648.4
-82.5°	582.5	564.4	545.3	526.1	507.4	485.4	461.1	439.9	430.6	426.6	416.5
-85°	400.6	387.6	372.4	356.6	340.9	324.2	307.3	290.5	275.0	261.0	248.4
-87.5°	254.5	246.2	237.5	227.1	216.7	207.9	199.0	185.9	174.2	159.2	146.4
-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°	46.1	45.3	42.9	40.4	39.1	37.6	34.7	32.7	30.5	28.0	26.0
85°	133.8	128.1	121.0	112.2	103.4	93.9	81.8	70.2	60.9	56.0	52.0
82.5°	302.7	279.9	254.3	225.0	193.6	178.5	163.1	148.3	130.5	110.0	88.7
80°	564.7	515.3	459.6	416.7	377.6	336.5	289.4	241.7	203.9	177.2	146.9
77.5°	932.2	834.2	773.4	695.1	609.4	526.8	456.1	395.7	330.8	260.7	204.5
75°	1436.9	1320.3	1186.8	1035.9	884.1	779.6	673.5	563.0	470.2	383.5	291.3
72.5°	2136.5	1920.8	1669.5	1439.6	1244.1	1062.1	903.5	764.8	630.7	504.3	393.6
70°	2991.3	2589.9	2190.4	1864.8	1596.8	1361.4	1154.5	966.8	799.1	645.9	493.9
67.5°	3859.8	3270.2	2717.3	2276.6	1935.9	1651.6	1397.4	1174.9	971.5	788.2	613.3
65°	4713.6	3899.7	3217.7	2667.7	2261.6	1928.3	1634.7	1376.5	1148.6	934.4	733.2
62.5°	5785.2	4677.7	3741.1	3060.5	2574.0	2186.0	1859.7	1570.6	1320.9	1087.9	850.0
60°	8011.6	5961.4	4367.7	3487.8	2883.4	2444.7	2075.9	1763.0	1492.0	1237.9	981.3
57.5°	11111.1	7742.6	5505.1	3917.1	3222.7	2712.1	2299.0	1959.1	1661.7	1389.7	1109.8
55°	14015.7	10083.3	6833.6	4670.4	3546.0	2996.2	2540.5	2152.0	1841.6	1540.4	1233.9
52.5°	16489.6	12340.6	8403.4	5558.2	4036.8	3288.6	2786.6	2373.5	2021.5	1688.7	1361.1
50°	18378.7	14406.5	10311.1	6686.7	4538.9	3631.2	3054.7	2591.8	2205.1	1845.5	1484.7
47.5°	20171.2	15917.0	12054.1	8091.8	5245.2	3952.8	3314.1	2820.2	2395.5	1997.9	1603.6
45°	21653.7	16936.1	13225.9	9460.2	6009.7	4365.4	3585.4	3041.2	2579.4	2137.6	1721.3
42.5°	22934.7	17731.2	14095.0	10454.0	6984.3	4750.2	3845.3	3254.2	2762.3	2284.1	1829.5
40°	24732.4	18622.0	14787.5	11377.4	7756.0	5268.4	4136.5	3479.2	2938.0	2421.8	1928.3
37.5°	26691.9	19589.5	15365.0	11989.3	8599.2	5793.7	4381.3	3686.3	3089.9	2550.2	2018.4
35°	29073.9	20362.2	15819.9	12538.6	9221.0	6221.6	4639.5	3877.7	3237.4	2653.8	2104.6
32.5°	31589.2	21590.5	16222.1	12875.9	9717.9	6735.8	4914.0	4034.8	3379.1	2748.4	2179.2
30°	33301.1	22236.3	16415.0	13100.5	10083.1	7089.8	5087.5	4166.4	3485.5	2830.8	2242.7
27.5°	34955.2	23242.5	16759.5	13236.1	10301.6	7319.9	5250.2	4273.6	3576.8	2902.9	2298.8
25°	35688.5	23524.0	16861.2	13263.4	10405.6	7550.9	5427.4	4382.0	3656.0	2968.7	2347.3
22.5°	36064.7	23841.4	16877.3	13193.5	10433.8	7626.9	5550.5	4458.5	3733.1	3034.8	2394.2
20°	36130.1	24011.8	16866.6	13108.8	10337.5	7634.6	5570.8	4532.0	3797.2	3091.3	2436.5
17.5°	35539.0	23465.3	16509.2	12840.0	10141.9	7571.5	5627.1	4590.5	3848.4	3136.6	2470.3
15°	34198.3	22905.3	15892.5	12436.2	9868.8	7482.2	5667.1	4640.0	3887.4	3169.5	2497.7
12.5°	32139.5	22015.7	15386.7	11926.0	9499.7	7304.5	5679.5	4678.5	3914.2	3194.2	2519.1
10°	29414.9	20606.5	14569.3	11364.6	9075.4	7103.4	5635.6	4693.0	3936.8	3210.7	2531.6
7.5°	26170.7	18799.4	13588.9	10709.6	8599.7	6872.2	5586.9	4692.9	3946.5	3215.7	2536.5
5°	22622.7	16790.0	12528.5	10059.3	8181.6	6638.7	5507.5	4677.1	3948.5	3216.8	2537.9
2.5°	19151.2	14771.1	11476.0	9410.4	7778.7	6434.5	5452.0	4664.7	3945.3	3209.4	2530.4
0°	15965.9	12901.5	10491.7	8790.9	7386.7	6225.0	5378.7	4637.3	3928.8	3191.0	2514.1
-2.5°	13646.3	11509.2	9706.9	8298.2	7093.7	6084.1	5319.6	4609.7	3911.4	3169.6	2493.6
-5°	11933.5	10415.5	9054.1	7878.2	6826.2	5944.8	5247.0	4569.0	3881.3	3137.2	2464.5
-7.5°	10719.4	9587.5	8520.6	7531.3	6607.6	5838.6	5180.5	4525.3	3838.7	3094.1	2427.0
-10°	9883.8	8969.6	8089.2	7259.6	6432.4	5735.4	5104.1	4470.6	3783.1	3041.2	2383.0
-12.5°	9309.3	8511.9	7776.3	7028.4	6280.4	5633.3	5020.1	4399.3	3712.2	2977.0	2331.4
-15°	8902.7	8183.0	7519.3	6828.2	6144.3	5527.3	4924.2	4314.2	3621.6	2904.3	2272.3
-17.5°	8596.6	7925.5	7300.7	6660.6	6007.7	5416.2	4819.7	4208.8	3519.2	2824.9	2210.3
-20°	8341.4	7703.5	7103.5	6495.1	5864.7	5299.2	4699.4	4087.1	3411.8	2736.0	2144.4



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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°	8099.5	7490.2	6910.5	6327.3	5724.2	5161.2	4574.1	3956.4	3300.6	2645.0	2071.1
-25°	7861.4	7281.4	6714.3	6149.5	5581.8	5020.5	4434.9	3828.4	3182.5	2552.0	1996.7
-27.5°	7655.6	7086.2	6512.3	5961.9	5428.8	4864.1	4291.9	3693.0	3066.1	2461.5	1928.1
-30°	7439.8	6885.4	6318.1	5774.4	5258.6	4698.2	4135.7	3548.4	2945.5	2366.7	1852.6
-32.5°	7208.2	6668.6	6113.8	5584.7	5064.7	4525.0	3970.7	3393.4	2816.3	2266.5	1770.4
-35°	6949.2	6427.3	5891.4	5368.2	4859.0	4339.6	3793.7	3227.3	2673.6	2157.7	1682.3
-37.5°	6666.6	6149.0	5635.2	5121.4	4629.1	4124.8	3595.3	3049.3	2528.7	2045.3	1593.3
-40°	6338.3	5832.5	5334.8	4852.9	4383.8	3885.4	3369.7	2861.0	2380.6	1923.8	1504.7
-42.5°	5958.4	5471.5	4998.0	4542.3	4089.3	3616.1	3129.7	2660.1	2215.6	1794.3	1409.7
-45°	5533.5	5071.9	4632.3	4209.0	3772.4	3329.3	2882.4	2452.1	2045.5	1657.1	1308.1
-47.5°	5089.0	4660.4	4259.0	3861.6	3451.6	3036.8	2622.8	2239.6	1874.8	1530.5	1203.6
-50°	4636.3	4268.0	3889.0	3513.2	3131.4	2751.3	2380.6	2026.6	1697.2	1394.7	1101.2
-52.5°	4231.9	3881.2	3526.2	3178.1	2825.5	2473.1	2142.0	1829.4	1534.7	1256.0	995.7
-55°	3821.8	3495.9	3174.4	2853.3	2523.8	2218.5	1922.8	1633.2	1379.5	1132.1	889.0
-57.5°	3411.5	3115.0	2820.1	2527.6	2245.3	1970.5	1710.0	1464.1	1225.9	1006.8	794.5
-60°	3001.3	2732.1	2465.8	2215.1	1968.6	1734.2	1511.8	1293.0	1086.0	884.1	698.3
-62.5°	2598.4	2364.2	2129.7	1913.2	1702.1	1511.1	1319.6	1132.9	944.2	776.6	602.0
-65°	2233.4	2020.7	1823.5	1626.2	1463.8	1298.5	1140.3	973.6	819.2	667.6	534.3
-67.5°	1897.1	1713.0	1545.0	1390.6	1243.3	1109.5	966.7	831.6	697.1	574.9	464.7
-70°	1585.2	1436.8	1292.7	1168.7	1047.6	928.1	815.0	695.9	589.4	492.2	395.5
-72.5°	1297.9	1183.1	1070.6	961.6	867.5	770.1	667.0	581.7	494.6	410.0	338.0
-75°	1038.6	954.4	871.3	786.6	701.6	628.7	553.7	476.6	405.9	343.2	279.6
-77.5°	824.2	756.1	693.0	630.9	569.5	506.3	444.1	386.6	330.5	275.6	224.5
-80°	608.1	570.9	531.8	485.2	439.1	395.8	348.8	301.7	256.1	215.4	176.2
-82.5°	399.0	378.7	355.8	331.1	309.8	286.4	253.0	220.5	188.0	157.9	127.2
-85°	236.9	228.9	220.7	208.6	193.7	175.6	156.9	139.5	119.9	102.4	83.2
-87.5°	133.7	121.3	110.7	100.5	90.4	81.9	75.7	69.2	60.0	51.3	41.7
-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°	22.4	18.7	15.0	11.3	7.5	3.8	0.0
85°	44.7	37.4	30.0	22.6	15.1	7.5	0.0
82.5°	67.0	56.0	44.9	33.8	22.6	11.3	0.0
80°	113.8	80.7	59.8	44.9	30.0	15.0	0.0
77.5°	162.8	120.1	80.0	56.0	37.4	18.7	0.0
75°	211.1	159.0	109.4	67.0	44.7	22.4	0.0
72.5°	286.3	197.3	138.1	84.4	52.0	26.0	0.0
70°	369.4	248.7	166.0	102.9	59.1	29.6	0.0
67.5°	450.5	314.1	192.9	120.9	66.1	33.1	0.0
65°	539.8	377.7	230.2	138.2	74.9	36.5	0.0
62.5°	638.1	439.5	276.3	154.8	84.7	39.9	0.0
60°	733.4	507.5	320.5	170.6	94.3	43.2	0.0
57.5°	825.7	583.4	362.6	186.7	103.5	46.5	0.0
55°	931.5	656.7	402.5	214.4	112.2	49.6	0.0
52.5°	1032.9	726.9	443.0	240.6	120.6	52.6	0.0
50°	1129.7	789.9	492.3	265.0	128.5	55.6	0.0
47.5°	1222.3	859.9	538.2	287.8	136.0	58.4	0.0
45°	1314.3	924.8	579.5	308.7	143.0	61.2	0.0
42.5°	1400.2	984.5	617.1	327.8	149.5	63.8	0.0
40°	1475.0	1038.7	650.9	345.2	155.5	66.3	0.0
37.5°	1536.8	1087.5	681.0	360.9	160.9	68.6	0.0
35°	1595.1	1132.3	712.6	380.3	169.7	71.3	0.0
32.5°	1648.9	1172.5	742.9	399.7	178.9	73.9	0.0
30°	1696.2	1207.5	769.6	416.7	187.1	76.3	0.0
27.5°	1738.1	1237.3	793.9	431.4	194.8	78.5	0.0
25°	1774.4	1261.8	814.7	443.8	201.7	80.5	0.0
22.5°	1804.7	1282.5	831.8	453.9	207.8	82.3	0.0
20°	1830.9	1301.2	845.3	461.8	212.9	83.9	0.0
17.5°	1858.0	1315.4	855.2	469.2	217.1	85.3	0.0
15°	1880.3	1327.1	861.5	475.1	220.5	86.5	0.0
12.5°	1895.7	1336.0	867.8	479.1	223.0	87.5	0.0
10°	1904.0	1343.0	872.0	481.0	224.7	88.3	0.0
7.5°	1910.6	1347.6	872.9	481.0	225.6	88.9	0.0
5°	1911.8	1347.1	870.4	479.2	225.7	89.3	0.0
2.5°	1905.8	1341.3	864.8	475.5	225.1	89.5	0.0
0°	1892.7	1330.3	855.9	470.2	223.7	89.5	0.0
-2.5°	1878.1	1321.9	851.4	468.9	223.6	89.5	0.0
-5°	1856.6	1308.4	843.8	466.0	222.8	89.3	0.0
-7.5°	1828.4	1290.0	833.2	461.4	221.4	88.9	0.0
-10°	1794.7	1266.7	819.6	455.3	219.2	88.4	0.0
-12.5°	1757.8	1241.3	803.2	447.7	216.3	87.6	0.0
-15°	1715.1	1214.3	785.1	438.6	212.8	86.6	0.0
-17.5°	1667.0	1185.3	767.2	428.0	208.6	85.5	0.0
-20°	1615.3	1154.1	746.5	416.5	203.7	84.1	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1565.7	1119.2	723.0	405.0	198.2	82.6	0.0
-25°	1513.7	1082.0	696.8	392.1	192.0	80.8	0.0
-27.5°	1457.4	1041.7	668.1	377.7	185.2	78.9	0.0
-30°	1397.9	998.0	636.8	362.0	177.9	76.9	0.0
-32.5°	1336.6	950.8	604.0	345.0	170.6	74.6	0.0
-35°	1270.4	900.5	568.6	326.6	162.6	72.2	0.0
-37.5°	1202.0	848.9	534.5	309.0	155.1	69.7	0.0
-40°	1133.6	798.2	506.9	295.3	150.2	67.4	0.0
-42.5°	1060.3	744.3	477.7	280.8	144.8	64.9	0.0
-45°	982.3	687.5	446.9	265.4	139.0	62.3	0.0
-47.5°	900.0	627.8	414.5	249.2	132.9	59.5	0.0
-50°	823.0	565.5	380.6	232.1	126.4	56.7	0.0
-52.5°	744.7	521.8	345.4	214.2	119.5	53.7	0.0
-55°	664.0	476.6	318.1	195.5	112.3	50.7	0.0
-57.5°	581.7	430.2	292.0	176.0	104.8	47.5	0.0
-60°	526.2	382.6	264.9	163.0	96.9	44.2	0.0
-62.5°	469.3	341.3	237.0	150.1	88.8	40.9	0.0
-65°	411.1	304.8	208.1	136.6	80.4	37.4	0.0
-67.5°	358.9	267.3	183.0	122.7	72.3	33.9	0.0
-70°	311.9	228.8	162.0	108.2	64.8	30.3	0.0
-72.5°	263.7	195.0	140.4	93.4	57.1	26.6	0.0
-75°	217.3	165.6	118.1	78.7	49.2	22.9	0.0
-77.5°	178.8	135.5	95.3	66.0	41.2	19.2	0.0
-80°	139.4	104.8	75.2	53.0	33.1	15.4	0.0
-82.5°	100.1	77.8	56.6	39.9	24.9	11.6	0.0
-85°	67.0	52.1	37.9	26.7	16.6	7.7	0.0
-87.5°	33.6	26.1	19.0	13.4	8.3	3.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)