

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: P902107 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/13/2024

Test Information

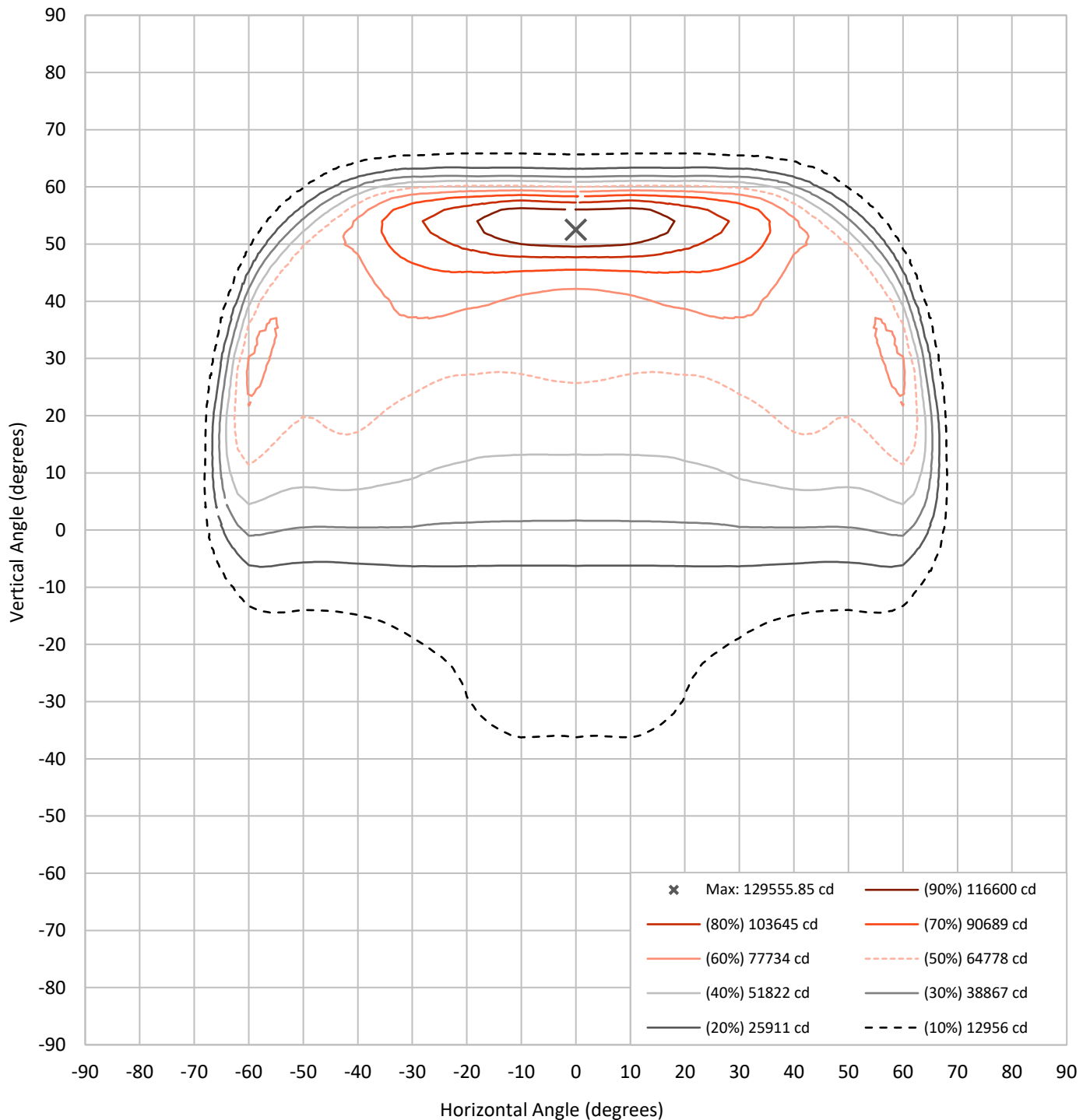
Test Method: LM-79-08
Report Number: P902107 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVA2K09006)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A55-WNB
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A55-WNB OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	161591.3 lumens	Max Intensity:	129555.8 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 52.5°V
Efficacy:	114.4 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	93.9°H x 34.3°V	Field Angle (10%):	115.5°H x 101.6°V
Beam Lumens:	84326.6 lumens	Field Lumens:	146260.9 lumens
Beam Efficiency:	52.2%	Field Efficiency:	90.5%
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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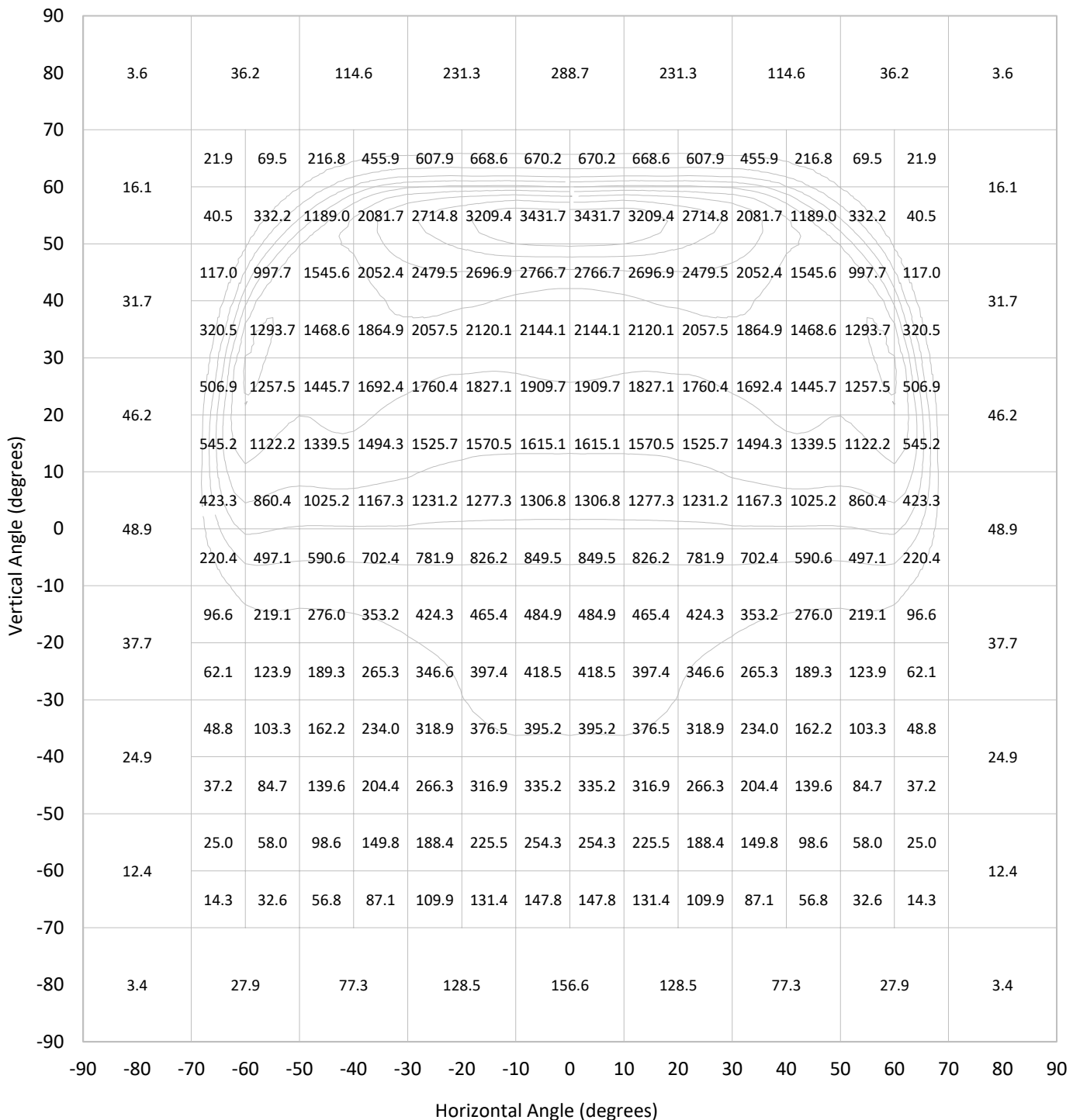
Iso-Candela Plot





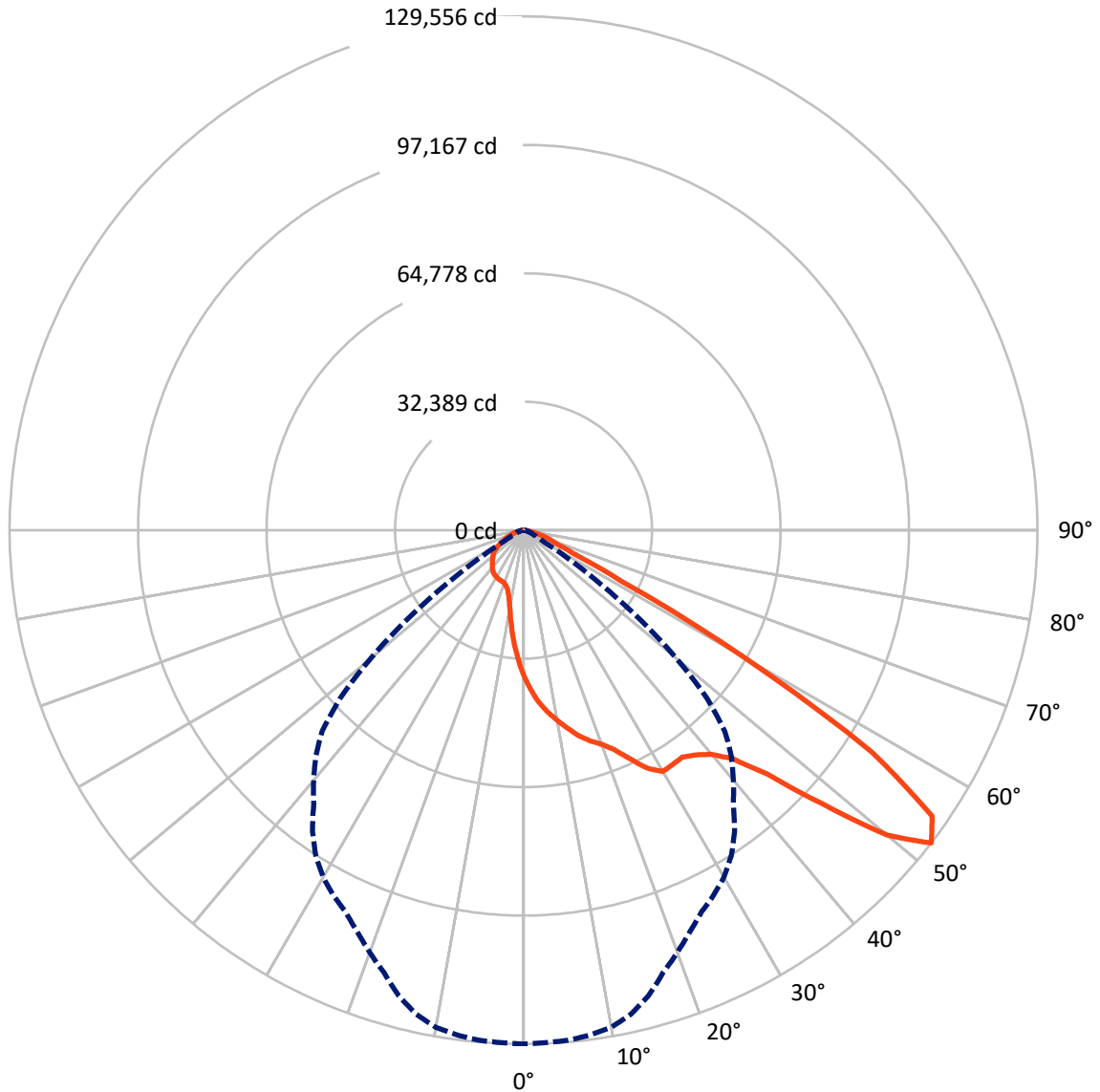
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Lumen Table



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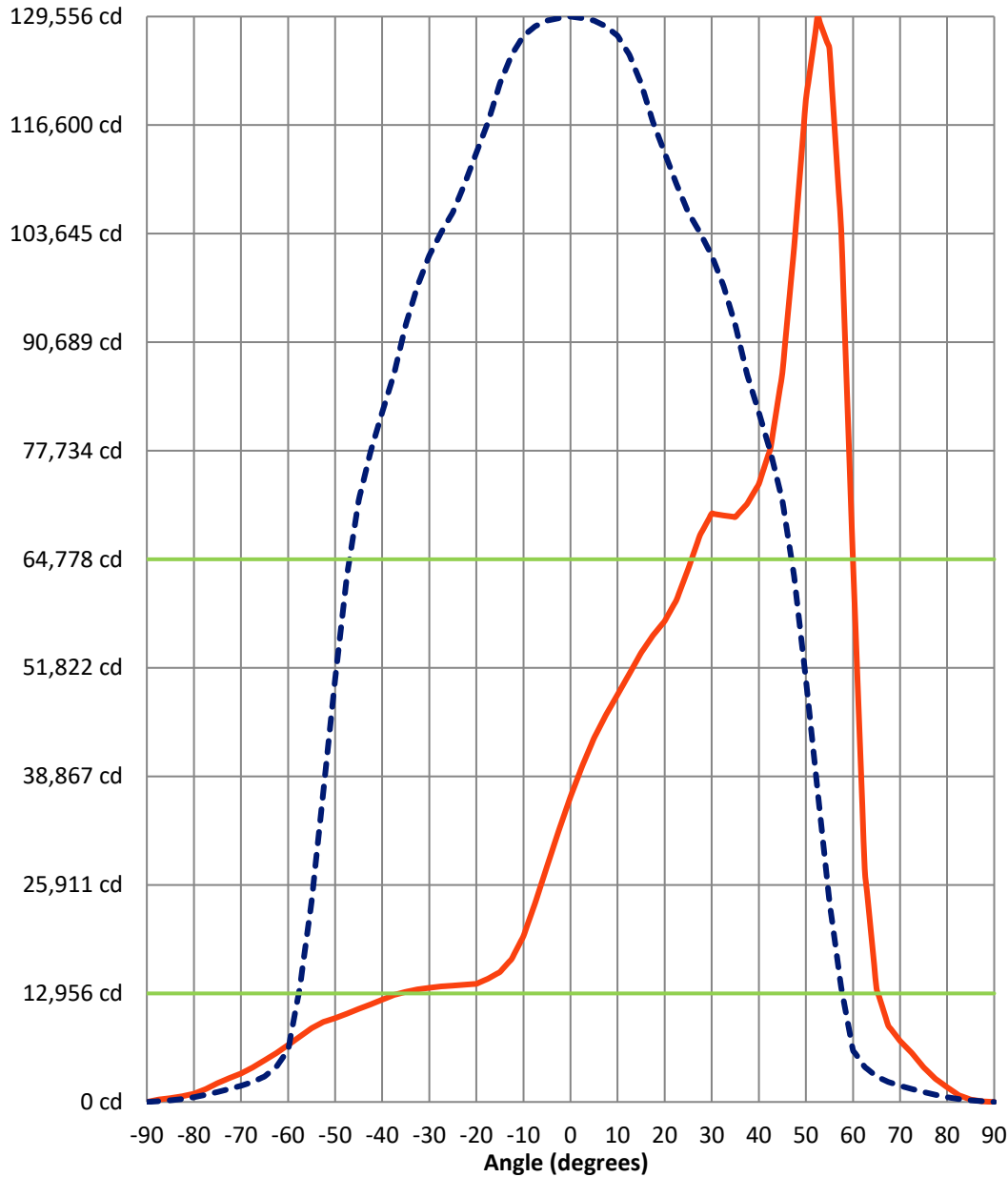
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 52.5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 93.9°
 V Angle: 34.3°
 Lumens: 84326.6
 Efficiency: 52.2%

Field:
 H Angle: 115.5°
 V Angle: 101.6°
 Lumens: 146260.9
 Efficiency: 90.5%

Spill:
 Lumens: 15330.5
 Efficiency: 9.5%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 52.5-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	6.6	13.3	19.3	25.7	31.0	36.5	41.0	45.1	48.7	51.9
85°	0.0	13.3	26.5	38.6	51.3	62.0	73.0	82.1	90.3	97.5	108.9
82.5°	0.0	19.9	39.8	57.8	76.8	93.0	109.4	133.3	159.0	184.2	208.0
80°	0.0	26.5	52.9	76.9	102.2	129.2	167.5	204.7	239.7	274.5	320.7
77.5°	0.0	33.0	65.9	96.0	131.7	178.2	227.5	275.5	336.9	414.4	488.2
75°	0.0	39.5	78.8	114.9	168.3	226.6	286.8	375.2	473.6	566.2	671.2
72.5°	0.0	45.8	91.6	139.4	204.3	274.0	372.5	490.2	608.5	746.4	895.8
70°	0.0	52.1	104.2	165.0	239.7	333.9	465.7	602.8	766.9	937.5	1125.8
67.5°	0.0	58.3	116.6	189.9	274.3	407.0	556.6	733.4	925.1	1133.0	1369.2
65°	0.0	64.4	130.3	214.2	319.2	478.2	654.8	863.9	1086.9	1333.3	1610.4
62.5°	0.0	70.4	144.9	237.7	372.6	547.4	760.8	990.8	1256.4	1530.7	1859.8
60°	0.0	76.2	159.1	260.3	424.2	622.2	863.5	1133.5	1421.0	1739.6	2113.1
57.5°	0.0	81.9	172.8	283.1	473.9	704.1	962.5	1272.8	1595.8	1942.5	2396.2
55°	0.0	87.5	186.0	317.2	521.5	783.5	1077.3	1407.3	1769.1	2170.0	2659.9
52.5°	0.0	92.8	198.8	349.8	569.6	859.9	1188.1	1550.4	1937.2	2393.7	3045.9
50°	0.0	98.0	210.9	380.8	626.1	931.5	1294.0	1689.3	2126.8	2638.7	3404.5
47.5°	0.0	103.0	222.5	410.1	679.4	1012.5	1396.5	1822.0	2307.6	2938.5	3904.3
45°	0.0	107.8	233.5	437.7	728.9	1089.3	1503.6	1960.0	2479.4	3219.5	4351.1
42.5°	0.0	112.4	243.9	463.5	775.2	1161.4	1605.3	2103.1	2713.4	3533.3	5111.5
40°	0.0	116.8	253.6	487.5	818.1	1228.8	1700.7	2240.3	2934.7	3852.3	7282.2
37.5°	0.0	121.0	262.7	509.4	857.6	1291.3	1790.4	2371.2	3142.1	4160.0	8816.0
35°	0.0	125.3	275.2	535.0	900.2	1356.5	1887.5	2522.9	3370.4	4820.5	11912.3
32.5°	0.0	129.5	288.1	560.3	942.2	1421.3	1986.4	2684.3	3607.8	5677.0	17644.2
30°	0.0	133.4	299.9	583.2	980.5	1481.9	2079.0	2834.3	3824.1	6342.3	22081.0
27.5°	0.0	136.9	311.1	603.7	1014.7	1538.1	2164.9	2972.5	4017.4	6804.6	25479.3
25°	0.0	140.2	321.2	621.8	1044.9	1589.6	2243.5	3098.6	4224.5	8828.2	32038.2
22.5°	0.0	143.2	330.2	637.4	1071.2	1635.7	2314.5	3218.3	4583.1	11195.7	37454.5
20°	0.0	145.9	338.1	650.5	1093.6	1674.6	2384.3	3335.1	4863.8	12829.4	41736.9
17.5°	0.0	148.2	344.9	662.4	1112.0	1707.9	2454.0	3434.6	5088.0	13872.2	44708.8
15°	0.0	150.3	350.6	672.2	1126.4	1738.6	2508.9	3511.1	5251.4	14466.1	45694.5
12.5°	0.0	152.0	355.2	679.8	1137.3	1766.1	2551.1	3563.2	5361.4	14558.3	44370.2
10°	0.0	153.4	358.7	685.0	1144.3	1782.2	2581.1	3598.7	5425.5	15256.9	42166.1
7.5°	0.0	154.4	361.2	687.9	1147.2	1787.3	2589.2	3615.0	5445.5	15477.3	38824.6
5°	0.0	155.2	362.6	688.6	1146.2	1785.0	2582.4	3603.1	5399.7	14871.4	34885.0
2.5°	0.0	155.6	362.9	687.1	1141.4	1775.3	2564.5	3575.4	5307.8	13588.8	30002.3
0°	0.0	155.7	362.3	683.5	1132.8	1758.4	2536.1	3532.3	5182.4	11851.4	24758.7
-2.5°	0.0	155.6	361.3	680.4	1124.0	1735.7	2494.9	3459.4	5007.4	10236.2	20177.2
-5°	0.0	155.1	359.3	675.2	1111.7	1706.2	2444.7	3372.4	4809.2	8538.9	15485.6
-7.5°	0.0	154.4	356.4	668.1	1096.1	1670.1	2386.2	3272.5	4594.0	7258.6	12325.0
-10°	0.0	153.3	352.5	659.0	1077.2	1627.7	2321.6	3155.5	4367.2	6324.0	9527.8
-12.5°	0.0	151.9	347.7	648.0	1055.2	1582.8	2254.8	3028.4	4129.5	5595.1	7856.4
-15°	0.0	150.2	341.9	635.1	1031.4	1536.4	2183.1	2894.4	3897.2	5199.5	6782.3
-17.5°	0.0	148.2	335.2	620.4	1007.7	1490.1	2107.7	2765.3	3676.8	4810.4	6052.0
-20°	0.0	145.9	327.6	604.3	981.0	1444.3	2027.9	2639.5	3454.7	4477.7	5571.7



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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	143.4	319.1	587.6	951.4	1395.2	1942.3	2509.6	3250.3	4181.4	5129.2
-25°	0.0	140.5	309.8	569.2	918.9	1345.4	1855.3	2390.4	3061.0	3892.1	4775.7
-27.5°	0.0	137.3	299.7	549.0	883.8	1293.2	1767.6	2288.3	2902.8	3658.7	4447.0
-30°	0.0	133.9	288.8	527.2	846.1	1237.5	1681.6	2180.9	2755.4	3450.5	4180.6
-32.5°	0.0	130.2	277.5	503.7	806.4	1178.6	1599.5	2068.4	2615.1	3244.7	3936.8
-35°	0.0	126.2	265.4	478.7	764.2	1116.6	1513.5	1954.6	2469.6	3052.5	3695.8
-37.5°	0.0	122.1	253.7	454.2	722.6	1054.6	1428.0	1846.2	2328.0	2872.2	3479.1
-40°	0.0	117.9	245.0	433.7	685.6	995.1	1345.6	1740.1	2190.8	2698.1	3254.6
-42.5°	0.0	113.5	235.9	412.2	646.9	932.8	1260.2	1628.3	2045.1	2515.4	3016.4
-45°	0.0	108.9	226.2	390.0	606.5	867.7	1171.3	1510.7	1891.3	2331.2	2797.7
-47.5°	0.0	104.1	216.2	366.8	564.6	800.1	1078.4	1393.1	1747.3	2146.1	2575.0
-50°	0.0	99.1	205.7	342.6	520.9	730.1	992.6	1278.5	1595.6	1951.8	2345.5
-52.5°	0.0	93.9	194.8	317.5	475.6	673.7	905.9	1160.1	1438.2	1764.7	2117.2
-55°	0.0	88.5	183.6	291.6	438.4	615.9	816.6	1040.0	1297.7	1579.3	1881.4
-57.5°	0.0	82.9	172.0	264.8	402.6	556.6	725.0	933.9	1153.2	1393.0	1668.7
-60°	0.0	77.2	160.1	246.1	365.9	495.9	652.9	825.9	1010.1	1226.2	1452.5
-62.5°	0.0	71.3	147.9	227.6	328.4	442.7	579.7	716.7	886.7	1056.5	1258.4
-65°	0.0	65.3	135.4	208.6	290.1	395.5	505.4	631.9	762.0	912.7	1068.9
-67.5°	0.0	59.1	122.7	189.2	257.2	347.7	440.1	546.3	654.8	774.9	907.9
-70°	0.0	52.9	109.8	169.2	230.2	299.1	382.9	462.8	558.9	653.9	758.3
-72.5°	0.0	46.5	96.6	148.9	202.8	257.4	325.0	396.6	464.7	547.7	632.5
-75°	0.0	40.0	83.3	128.3	174.8	222.2	270.5	329.6	390.0	448.9	517.1
-77.5°	0.0	33.5	69.7	107.4	146.5	186.5	227.2	268.2	314.7	365.6	417.9
-80°	0.0	26.9	55.9	86.2	117.7	150.4	183.4	216.7	250.6	284.7	323.9
-82.5°	0.0	20.2	42.1	64.8	88.6	113.4	139.0	164.7	190.6	215.8	242.9
-85°	0.0	13.5	28.1	43.3	59.2	75.7	92.9	110.6	129.0	146.1	164.7
-87.5°	0.0	6.7	14.1	21.7	29.6	37.9	46.5	55.4	64.6	73.1	82.6
-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):

	-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°	54.7	56.9	57.4	60.0	59.6	61.5	61.5	61.2	62.1	61.0	61.4
85°	123.5	137.0	148.4	161.2	171.2	180.4	187.2	193.2	195.8	198.3	199.7
82.5°	231.0	251.9	272.8	309.2	342.0	371.1	395.4	417.4	432.0	445.2	459.6
80°	377.5	432.6	485.5	533.6	578.2	638.2	691.3	743.7	781.8	815.3	848.5
77.5°	559.1	643.6	740.9	828.8	905.5	978.2	1076.3	1170.4	1249.4	1328.1	1412.0
75°	795.9	919.5	1036.4	1187.9	1323.4	1443.0	1556.8	1702.3	1840.0	1977.0	2119.1
72.5°	1046.9	1237.8	1436.4	1620.2	1812.5	1995.3	2165.6	2366.2	2586.6	2779.4	2975.9
70°	1346.3	1586.4	1852.7	2111.0	2359.3	2709.9	2985.6	3228.1	3646.4	3922.5	4177.0
67.5°	1641.4	1959.7	2285.2	2739.1	3228.9	3745.1	4449.8	4907.5	5489.8	6075.4	6381.3
65°	1953.8	2344.4	2863.6	3492.6	4510.8	5549.7	6699.7	7847.9	8969.6	10371.7	11101.8
62.5°	2270.8	2794.0	3502.5	4590.1	6045.9	7749.4	9886.8	13125.6	15311.5	20198.7	22743.1
60°	2619.2	3316.2	4294.3	5963.2	7963.2	12414.6	16707.1	24115.4	31813.8	39528.9	48231.9
57.5°	3026.2	3947.9	5562.3	7638.0	14156.6	20742.6	31063.8	41353.8	52507.8	63500.4	71852.9
55°	3536.1	4982.0	7052.5	14678.4	23582.4	35263.6	47338.6	59734.2	68972.8	78705.9	84316.4
52.5°	4190.1	6192.2	13664.7	23946.6	37086.9	50455.0	62739.3	71791.1	77552.6	82318.9	86879.6
50°	5061.4	10897.1	21548.5	36983.2	51290.5	63914.6	72834.1	75521.6	77703.5	79715.7	84530.7
47.5°	6474.5	16480.6	34417.1	50222.7	64143.6	73031.5	74569.9	74282.2	74023.4	76922.8	81890.5
45°	10444.0	26432.6	46850.0	63282.5	72133.0	74479.6	72866.1	70323.9	70873.5	74082.9	78787.5
42.5°	13574.9	37518.8	58697.9	70777.0	75231.1	73448.5	69232.4	67506.9	68651.4	71962.5	75925.8
40°	21977.7	48345.6	68874.8	77360.7	75613.0	71008.7	67270.6	66108.4	67682.6	71110.5	74804.5
37.5°	30318.8	59252.1	75115.7	78359.7	74772.1	69768.9	66597.7	66417.2	68635.6	72003.0	74834.7
35°	38302.7	69194.6	80671.6	79272.5	73551.6	68907.4	66762.0	67054.8	69437.1	72368.6	74645.1
32.5°	47847.5	74058.8	80834.8	77448.8	72052.8	68077.0	66559.5	67203.7	69529.4	71990.6	73840.4
30°	57058.5	78280.2	80874.4	75232.2	70104.4	66940.5	66187.4	67060.2	69149.1	71052.9	72200.8
27.5°	63614.1	80169.0	79377.0	73397.6	68933.3	66571.3	66102.3	67013.1	68742.5	70165.4	70719.1
25°	65953.8	78950.7	77396.8	71780.3	67983.4	66274.1	65978.5	67083.5	68541.0	69420.3	69283.4
22.5°	67374.0	78189.6	75118.4	70191.1	66977.8	65728.1	65664.0	66686.8	67856.1	68152.4	67452.3
20°	68448.9	76714.5	73055.8	68538.8	65963.0	64876.1	65032.7	66030.1	66900.3	66777.1	65728.6
17.5°	67592.6	73747.0	70328.0	66541.6	64293.7	63559.7	63909.8	64951.4	65537.6	65136.3	63900.2
15°	64967.3	70162.5	67337.1	64084.6	61973.8	61726.3	62114.5	63189.3	63598.6	63137.0	61831.0
12.5°	61601.3	66573.9	63998.3	60961.3	59357.3	59101.6	59472.9	60514.2	60821.2	60405.8	59208.8
10°	58016.6	62416.6	60078.7	57596.6	56142.3	55752.1	56069.9	57007.0	57149.5	56795.3	55873.1
7.5°	53321.3	57922.5	56026.4	53733.3	52250.0	51878.9	52014.9	52723.5	52893.2	52630.4	51943.4
5°	48296.5	53006.9	51330.7	49289.7	47981.7	47592.6	47534.9	48038.0	48179.0	48025.6	47566.5
2.5°	42089.8	47368.7	46223.6	44524.0	43352.5	42983.5	42734.5	42992.3	43195.0	43116.0	42858.8
0°	35572.5	41425.8	40808.8	39406.6	38384.0	37927.0	37634.0	37767.3	37886.3	37985.9	37996.6
-2.5°	29146.4	34917.4	34852.1	33780.9	32917.3	32638.0	32387.6	32524.2	32809.4	32982.3	32991.7
-5°	22698.7	28513.1	29138.6	28371.1	27555.3	27203.3	26984.2	27050.0	27359.1	27672.2	27878.0
-7.5°	17882.5	22735.2	23721.8	23232.4	22557.5	22193.7	21996.6	21971.7	22287.1	22573.7	22778.4
-10°	13376.3	17790.4	19275.5	18915.2	18146.6	17873.3	17708.0	17572.5	17836.2	18144.7	18402.1
-12.5°	10768.3	13766.7	15196.5	15320.4	14792.4	14383.0	14392.1	14333.9	14561.7	14834.1	15188.6
-15°	8533.0	10928.3	12135.6	12221.0	12158.5	11924.1	12059.3	12181.4	12410.0	12694.2	13094.5
-17.5°	7350.7	8725.5	9821.8	10114.1	10113.7	10260.8	10423.6	10761.0	11042.8	11385.3	11845.1
-20°	6458.3	7467.9	8094.9	8549.7	8702.0	9057.5	9394.6	9841.6	10203.6	10585.6	11038.4



REPORT NUMBER: P902107 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WNB

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	5950.9	6564.6	7154.8	7392.0	7855.9	8211.9	8706.3	9191.0	9640.8	10064.0	10488.3
-25°	5479.6	6114.2	6497.2	6921.0	7300.9	7747.1	8209.3	8705.1	9194.3	9638.3	9997.4
-27.5°	5164.6	5734.5	6210.8	6540.5	6947.1	7397.1	7835.1	8302.3	8800.2	9245.6	9643.1
-30°	4866.1	5479.6	5959.9	6290.8	6674.9	7107.9	7549.5	7983.9	8455.6	8918.1	9363.6
-32.5°	4607.6	5227.2	5748.4	6093.2	6461.5	6880.4	7296.7	7715.2	8140.4	8613.0	9080.4
-35°	4368.0	5011.2	5574.4	5895.9	6268.9	6672.1	7069.8	7485.5	7904.8	8372.2	8849.0
-37.5°	4121.3	4772.5	5334.0	5716.7	6086.7	6481.6	6888.1	7293.2	7700.2	8151.8	8606.2
-40°	3876.0	4517.0	5094.4	5520.3	5892.7	6284.0	6690.9	7098.1	7507.4	7942.9	8371.4
-42.5°	3612.2	4233.0	4780.3	5210.5	5630.3	6033.9	6444.7	6846.2	7277.9	7721.2	8171.7
-45°	3333.8	3915.2	4439.5	4875.3	5290.5	5691.9	6098.2	6520.6	6960.8	7400.1	7877.8
-47.5°	3036.3	3572.7	4072.1	4495.9	4861.8	5275.1	5672.1	6092.0	6530.0	6983.9	7455.3
-50°	2764.4	3224.9	3684.1	4091.8	4440.3	4808.4	5191.6	5585.0	6013.6	6499.5	6952.2
-52.5°	2489.1	2885.4	3311.3	3690.6	4031.2	4358.1	4694.4	5049.5	5457.8	5929.3	6365.9
-55°	2220.7	2578.3	2952.2	3318.5	3632.1	3915.7	4209.6	4509.4	4876.3	5283.0	5718.3
-57.5°	1951.2	2273.4	2626.1	2962.1	3243.6	3500.4	3743.0	4003.1	4315.3	4684.2	5062.9
-60°	1699.9	1965.0	2291.1	2597.4	2843.7	3063.9	3292.1	3528.9	3796.2	4120.8	4462.7
-62.5°	1460.8	1680.9	1931.0	2213.6	2428.3	2622.8	2830.1	3062.8	3303.7	3582.9	3885.9
-65°	1246.4	1418.6	1622.2	1816.5	2028.4	2200.0	2395.3	2606.9	2825.8	3058.0	3315.1
-67.5°	1042.0	1194.6	1343.1	1514.8	1673.2	1829.3	1995.5	2162.0	2341.3	2535.4	2754.7
-70°	874.1	983.4	1112.4	1242.4	1363.1	1499.9	1630.5	1756.4	1896.6	2034.7	2192.4
-72.5°	713.5	813.8	909.5	999.9	1107.3	1208.8	1303.6	1405.7	1508.4	1598.3	1689.5
-75°	589.9	661.3	731.5	811.6	886.7	958.4	1029.2	1110.4	1182.5	1247.6	1313.1
-77.5°	470.5	528.5	588.0	644.0	696.8	746.8	803.2	860.2	912.1	955.5	998.4
-80°	366.8	410.6	452.1	492.5	533.7	573.1	609.4	646.0	682.1	712.1	741.0
-82.5°	270.7	298.9	324.6	353.9	381.3	408.1	433.6	458.3	480.4	500.9	518.4
-85°	183.4	202.4	220.5	238.7	253.8	269.7	283.8	299.4	315.7	334.4	352.3
-87.5°	92.4	102.3	112.4	123.9	134.3	147.6	159.8	170.5	182.8	195.2	205.7
-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: P902107 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WNB

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°	63.4	63.7	67.1	66.8	67.8	69.8	71.7	71.7	73.2	72.9	75.4
85°	208.6	217.8	226.2	233.6	243.0	249.5	256.0	261.1	263.2	266.3	267.1
82.5°	479.0	503.6	533.0	565.5	598.6	619.4	629.3	651.4	680.8	702.1	723.1
80°	906.2	987.1	1073.7	1162.3	1230.5	1279.3	1288.2	1323.9	1395.0	1457.6	1546.4
77.5°	1539.1	1695.2	1852.4	1987.9	2061.9	2085.5	2122.6	2170.8	2268.7	2389.6	2539.3
75°	2305.4	2544.2	2781.8	2971.7	3176.2	3269.7	3418.5	3509.3	3646.3	3829.0	3981.5
72.5°	3264.2	3605.5	3934.6	4238.7	4583.7	4880.4	5152.0	5319.3	5479.4	5649.0	5776.9
70°	4561.0	4954.6	5337.8	5727.2	6107.1	6547.4	6912.7	7169.6	7325.8	7388.4	7362.4
67.5°	6790.9	7376.6	7722.5	7928.4	8488.4	9055.3	9376.7	9522.0	9570.6	9562.4	9551.5
65°	12036.9	12831.2	12977.4	13050.7	14055.6	14376.0	14406.1	14205.2	14108.0	14247.3	14139.3
62.5°	24696.2	28750.8	29131.8	28697.3	30737.3	31064.4	29823.8	28963.5	30040.7	30235.3	29843.8
60°	54691.5	58979.7	63011.7	64309.3	65452.4	67097.1	67611.3	67405.9	67773.5	68039.9	67924.5
57.5°	80649.1	85638.3	90908.3	93552.9	95301.6	98216.4	100486.7	102633.0	104737.6	106957.7	108317.2
55°	92384.5	97040.4	101849.9	104629.4	107060.9	111137.4	114083.0	117809.7	121613.9	125601.6	126446.9
52.5°	92752.9	97407.1	101033.8	103759.5	106197.0	109568.6	113296.2	116994.9	121559.1	124984.7	127255.8
50°	89869.7	93951.7	96798.9	99137.0	101326.8	103866.5	106513.0	108728.7	111869.7	114734.1	116629.1
47.5°	86674.3	89993.6	92401.4	94301.4	96067.9	97556.8	98373.3	99358.7	100719.4	101486.9	101742.5
45°	82794.1	85462.1	87250.2	88682.8	89831.1	90264.3	89845.4	89987.8	90169.9	89492.6	88507.2
42.5°	79187.1	81138.2	82385.9	83488.7	84194.6	84068.6	83179.3	83092.5	82610.0	81222.1	80277.3
40°	77186.0	78669.7	79561.3	80301.6	80752.3	80092.4	79268.7	78953.5	78170.5	76888.1	75779.2
37.5°	76663.2	77719.0	78026.2	78248.5	78221.6	77105.5	76343.1	75895.8	75032.8	73812.9	72929.2
35°	76019.9	76268.2	76078.7	75793.0	74962.8	73795.3	73016.3	72620.5	71843.3	71128.5	70436.0
32.5°	74456.4	74066.5	73418.4	72874.8	71629.8	70534.9	70042.9	69844.6	69269.4	69041.6	69044.9
30°	72217.7	71436.1	70612.4	69780.9	68355.8	67535.8	67331.5	67332.1	66936.5	66989.4	67397.4
27.5°	70165.4	69085.3	68119.2	67054.3	65869.2	65138.3	65110.0	64961.4	64635.9	64748.8	65114.0
25°	68341.5	66973.2	65971.0	64741.3	63544.1	62985.9	62878.3	62508.4	62029.5	62000.6	62201.3
22.5°	66122.6	64693.4	63601.8	62238.0	61133.9	60506.8	60313.6	59676.6	59242.0	59079.9	59187.5
20°	64078.5	62495.8	61452.5	59935.7	58811.4	58230.0	57888.7	57345.3	56938.4	56806.2	56829.1
17.5°	62234.1	60712.7	59552.1	58008.6	56939.1	56349.6	56037.4	55459.3	55286.0	55220.9	55297.2
15°	60237.3	58803.3	57743.3	56185.9	55161.8	54613.9	54217.2	53725.7	53609.4	53510.4	53565.6
12.5°	57783.2	56652.5	55721.1	54166.5	53275.3	52631.1	52192.6	51638.8	51455.3	51368.4	51165.0
10°	54702.9	53965.8	53149.7	51739.1	50878.1	50411.2	49978.0	49320.0	49080.5	48948.3	48869.9
7.5°	51097.0	50571.3	49924.1	48835.1	48087.6	47736.9	47450.0	46966.3	46568.9	46368.8	46336.5
5°	47048.8	46743.9	46274.9	45291.6	44784.1	44466.9	44233.0	43988.7	43798.5	43595.4	43507.3
2.5°	42604.5	42479.7	42210.2	41465.8	41047.5	40859.9	40756.7	40539.7	40409.8	40359.1	40361.8
0°	37966.1	38028.7	37920.0	37329.9	37047.7	36914.8	36828.2	36683.8	36596.7	36483.9	36415.0
-2.5°	33119.1	33275.0	33338.5	33016.6	32922.1	32850.3	32822.2	32696.2	32543.8	32460.2	32405.3
-5°	28123.6	28338.6	28506.7	28369.5	28410.1	28384.2	28323.4	28237.4	28165.9	28060.2	28031.7
-7.5°	23108.1	23406.1	23602.6	23670.6	23775.0	23746.3	23705.0	23652.8	23614.9	23578.3	23588.5
-10°	18821.8	19102.5	19337.2	19497.8	19588.7	19637.8	19629.6	19575.1	19590.4	19652.5	19690.0
-12.5°	15568.9	15985.3	16231.6	16376.0	16556.0	16641.8	16701.8	16772.3	16829.9	16873.6	16895.7
-15°	13494.7	13981.4	14354.9	14631.6	14810.9	14919.6	15055.7	15194.6	15294.0	15317.5	15315.7
-17.5°	12339.5	12887.6	13315.0	13633.9	13907.2	14079.4	14241.2	14420.4	14523.4	14586.3	14608.9
-20°	11528.6	12147.7	12660.2	13023.0	13337.7	13558.8	13745.1	13890.7	14001.2	14029.2	14036.3



REPORT NUMBER: P902107 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WNB

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	10965.5	11589.0	12131.8	12520.5	12861.8	13153.3	13343.6	13502.4	13651.0	13762.6	13826.8
-25°	10433.7	11091.3	11662.4	12081.1	12486.3	12895.9	13141.3	13332.7	13514.2	13657.9	13749.3
-27.5°	10086.2	10702.5	11363.1	11836.7	12298.7	12746.5	13010.3	13193.5	13406.3	13558.3	13647.7
-30°	9817.7	10433.7	11117.9	11642.7	12116.3	12583.0	12924.6	13089.0	13270.7	13437.8	13513.0
-32.5°	9568.4	10161.7	10845.9	11431.3	11909.3	12398.9	12773.9	12968.7	13118.1	13270.0	13362.5
-35°	9324.5	9871.3	10552.9	11157.9	11632.4	12135.8	12546.4	12752.2	12910.4	13044.5	13136.9
-37.5°	9056.0	9553.4	10184.2	10791.5	11283.8	11755.4	12198.2	12445.8	12602.8	12738.6	12785.6
-40°	8816.0	9270.5	9807.3	10367.2	10847.1	11270.7	11692.4	11990.4	12151.1	12266.2	12307.7
-42.5°	8607.9	9007.4	9409.4	9891.3	10326.7	10682.7	11076.8	11413.5	11569.2	11675.8	11706.1
-45°	8302.7	8672.0	9007.1	9345.7	9698.9	10010.4	10357.1	10675.5	10872.6	10985.3	11065.7
-47.5°	7870.4	8222.8	8491.1	8748.4	9033.2	9313.5	9599.1	9901.0	10140.3	10282.2	10379.1
-50°	7373.5	7692.6	7909.2	8108.3	8363.1	8599.5	8846.8	9127.6	9394.5	9576.3	9707.0
-52.5°	6772.3	7042.8	7234.6	7399.9	7627.9	7837.7	8061.6	8293.3	8561.5	8819.7	9012.7
-55°	6077.2	6330.7	6492.3	6627.7	6802.6	7005.1	7227.2	7420.8	7658.9	7915.9	8143.6
-57.5°	5398.1	5608.1	5717.0	5854.8	6001.7	6163.8	6367.9	6574.8	6774.8	7006.5	7239.1
-60°	4740.6	4928.6	5036.8	5155.7	5308.7	5480.3	5656.2	5813.1	5991.8	6173.2	6346.2
-62.5°	4135.7	4291.5	4386.2	4493.4	4631.1	4778.4	4938.8	5078.2	5216.1	5343.6	5479.5
-65°	3524.5	3652.4	3735.7	3837.1	3961.1	4086.4	4220.2	4350.6	4465.6	4546.5	4663.3
-67.5°	2940.2	3056.5	3131.0	3215.7	3314.8	3419.5	3521.6	3622.7	3727.4	3818.7	3904.3
-70°	2360.6	2491.9	2570.0	2628.8	2692.0	2768.0	2842.2	2922.7	3005.3	3085.2	3158.9
-72.5°	1813.9	1948.5	2046.5	2103.6	2146.9	2196.2	2252.4	2316.5	2383.3	2449.9	2525.1
-75°	1397.1	1496.2	1582.9	1633.9	1667.7	1702.8	1747.2	1804.2	1861.1	1916.7	1983.3
-77.5°	1052.9	1117.3	1179.2	1211.4	1232.3	1258.8	1292.9	1328.7	1365.2	1400.8	1427.4
-80°	771.0	806.7	842.4	860.7	870.7	887.4	908.5	931.1	949.3	961.8	964.5
-82.5°	539.4	563.3	586.0	600.0	612.6	628.8	642.7	657.2	668.9	676.4	678.1
-85°	366.3	384.3	403.3	413.9	421.9	431.5	438.9	447.1	452.3	456.6	457.9
-87.5°	216.4	226.4	234.9	242.6	249.7	256.4	264.2	270.4	276.2	280.4	285.1
-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: P902107 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WNB

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°	76.5	76.4	76.9	75.2	76.9	76.4	76.5	75.4	72.9	73.2	71.7
85°	272.4	282.9	291.0	291.4	291.0	282.9	272.4	267.1	266.3	263.2	261.1
82.5°	756.5	788.2	805.4	806.3	805.4	788.2	756.5	723.1	702.1	680.8	651.4
80°	1647.3	1715.0	1741.6	1761.6	1741.6	1715.0	1647.3	1546.4	1457.6	1395.0	1323.9
77.5°	2655.2	2729.3	2757.2	2776.5	2757.2	2729.3	2655.2	2539.3	2389.6	2268.7	2170.8
75°	4045.4	4106.4	4138.0	4146.7	4138.0	4106.4	4045.4	3981.5	3829.0	3646.3	3509.3
72.5°	5788.5	5812.3	5822.9	5849.7	5822.9	5812.3	5788.5	5776.9	5649.0	5479.4	5319.3
70°	7253.6	7213.6	7232.6	7290.3	7232.6	7213.6	7253.6	7362.4	7388.4	7325.8	7169.6
67.5°	9437.7	9265.6	9149.4	9117.5	9149.4	9265.6	9437.7	9551.5	9562.4	9570.6	9522.0
65°	13966.3	13772.6	13618.1	13560.8	13618.1	13772.6	13966.3	14139.3	14247.3	14108.0	14205.2
62.5°	29224.6	28565.8	28041.7	27824.7	28041.7	28565.8	29224.6	29843.8	30235.3	30040.7	28963.5
60°	67138.3	66045.2	65065.7	64646.7	65065.7	66045.2	67138.3	67924.5	68039.9	67773.5	67405.9
57.5°	107086.3	105485.9	104445.9	104130.4	104445.9	105485.9	107086.3	108317.2	106957.7	104737.6	102633.0
55°	126322.4	125939.5	125656.6	125736.9	125656.6	125939.5	126322.4	126446.9	125601.6	121613.9	117809.7
52.5°	128393.3	129070.9	129363.1	129555.9	129363.1	129070.9	128393.3	127255.8	124984.7	121559.1	116994.9
50°	117897.0	118731.6	119105.2	119637.6	119105.2	118731.6	117897.0	116629.1	114734.1	111869.7	108728.7
47.5°	101977.7	102091.9	101946.3	102008.7	101946.3	102091.9	101977.7	101742.5	101486.9	100719.4	99358.7
45°	88209.7	87720.3	87220.8	87008.0	87220.8	87720.3	88209.7	88507.2	89492.6	90169.9	89987.8
42.5°	79637.9	78920.6	78239.7	78077.3	78239.7	78920.6	79637.9	80277.3	81222.1	82610.0	83092.5
40°	74969.0	74305.4	73778.1	73756.5	73778.1	74305.4	74969.0	75779.2	76888.1	78170.5	78953.5
37.5°	72274.6	71803.4	71414.9	71382.0	71414.9	71803.4	72274.6	72929.2	73812.9	75032.8	75895.8
35°	70056.5	69981.5	69774.6	69822.1	69774.6	69981.5	70056.5	70436.0	71128.5	71843.3	72620.5
32.5°	69164.4	69484.1	69723.4	70006.7	69723.4	69484.1	69164.4	69044.9	69041.6	69269.4	69844.6
30°	67949.7	68844.5	69477.1	70230.8	69477.1	68844.5	67949.7	67397.4	66989.4	66936.5	67332.1
27.5°	65731.3	66653.3	67199.2	67652.6	67199.2	66653.3	65731.3	65114.0	64748.8	64635.9	64961.4
25°	62543.4	63080.9	63453.9	63628.1	63453.9	63080.9	62543.4	62201.3	62000.6	62029.5	62508.4
22.5°	59372.8	59618.1	59881.3	59904.9	59881.3	59618.1	59372.8	59187.5	59079.9	59242.0	59676.6
20°	56953.8	57125.7	57304.8	57401.2	57304.8	57125.7	56953.8	56829.1	56806.2	56938.4	57345.3
17.5°	55318.2	55537.5	55669.2	55676.2	55669.2	55537.5	55318.2	55297.2	55220.9	55286.0	55459.3
15°	53485.7	53553.6	53665.6	53614.8	53665.6	53553.6	53485.7	53565.6	53510.4	53609.4	53725.7
12.5°	51202.5	51169.3	51188.8	51109.2	51188.8	51169.3	51202.5	51165.0	51368.4	51455.3	51638.8
10°	48715.2	48739.1	48614.6	48632.8	48614.6	48739.1	48715.2	48869.9	48948.3	49080.5	49320.0
7.5°	46233.8	46179.4	46146.5	46173.4	46146.5	46179.4	46233.8	46336.5	46368.8	46568.9	46966.3
5°	43511.4	43537.7	43489.3	43432.8	43489.3	43537.7	43511.4	43507.3	43595.4	43798.5	43988.7
2.5°	40260.3	40200.2	40222.3	40116.0	40222.3	40200.2	40260.3	40361.8	40359.1	40409.8	40539.7
0°	36318.2	36313.1	36371.2	36440.5	36371.2	36313.1	36318.2	36415.0	36483.9	36596.7	36683.8
-2.5°	32316.3	32331.5	32318.0	32386.0	32318.0	32331.5	32316.3	32405.3	32460.2	32543.8	32696.2
-5°	28019.8	28043.4	28008.9	28105.3	28008.9	28043.4	28019.8	28031.7	28060.2	28165.9	28237.4
-7.5°	23644.0	23705.3	23686.8	23770.6	23686.8	23705.3	23644.0	23588.5	23578.3	23614.9	23652.8
-10°	19776.6	19786.6	19807.2	19790.2	19807.2	19786.6	19776.6	19690.0	19652.5	19590.4	19575.1
-12.5°	16980.7	17025.1	17050.4	17074.0	17050.4	17025.1	16980.7	16895.7	16873.6	16829.9	16772.3
-15°	15372.7	15392.0	15471.3	15512.0	15471.3	15392.0	15372.7	15315.7	15317.5	15294.0	15194.6
-17.5°	14615.8	14625.6	14668.4	14721.9	14668.4	14625.6	14615.8	14608.9	14586.3	14523.4	14420.4
-20°	14076.2	14092.6	14055.8	14105.5	14055.8	14092.6	14076.2	14036.3	14029.2	14001.2	13890.7



REPORT NUMBER: P902107 (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°	13898.4	13900.2	13909.8	13998.5	13909.8	13900.2	13898.4	13826.8	13762.6	13651.0	13502.4
-25°	13789.0	13807.6	13816.7	13889.3	13816.7	13807.6	13789.0	13749.3	13657.9	13514.2	13332.7
-27.5°	13671.3	13699.8	13719.8	13793.0	13719.8	13699.8	13671.3	13647.7	13558.3	13406.3	13193.5
-30°	13545.4	13560.0	13561.9	13626.1	13561.9	13560.0	13545.4	13513.0	13437.8	13270.7	13089.0
-32.5°	13386.3	13384.1	13392.8	13438.9	13392.8	13384.1	13386.3	13362.5	13270.0	13118.1	12968.7
-35°	13138.7	13105.9	13092.2	13145.9	13092.2	13105.9	13138.7	13136.9	13044.5	12910.4	12752.2
-37.5°	12753.3	12734.5	12724.9	12773.2	12724.9	12734.5	12753.3	12785.6	12738.6	12602.8	12445.8
-40°	12269.2	12207.2	12179.2	12210.5	12179.2	12207.2	12269.2	12307.7	12266.2	12151.1	11990.4
-42.5°	11688.6	11632.5	11619.2	11641.2	11619.2	11632.5	11688.6	11706.1	11675.8	11569.2	11413.5
-45°	11088.6	11058.9	11058.1	11109.6	11058.1	11058.9	11088.6	11065.7	10985.3	10872.6	10675.5
-47.5°	10449.8	10453.2	10486.8	10540.1	10486.8	10453.2	10449.8	10379.1	10282.2	10140.3	9901.0
-50°	9814.7	9875.3	9941.1	10008.0	9941.1	9875.3	9814.7	9707.0	9576.3	9394.5	9127.6
-52.5°	9152.2	9278.8	9431.5	9553.6	9431.5	9278.8	9152.2	9012.7	8819.7	8561.5	8293.3
-55°	8326.6	8480.9	8672.4	8805.0	8672.4	8480.9	8326.6	8143.6	7915.9	7658.9	7420.8
-57.5°	7417.5	7549.8	7702.6	7802.1	7702.6	7549.8	7417.5	7239.1	7006.5	6774.8	6574.8
-60°	6506.4	6617.4	6727.2	6802.6	6727.2	6617.4	6506.4	6346.2	6173.2	5991.8	5813.1
-62.5°	5588.3	5676.4	5781.9	5832.9	5781.9	5676.4	5588.3	5479.5	5343.6	5216.1	5078.2
-65°	4767.5	4853.5	4921.9	4974.3	4921.9	4853.5	4767.5	4663.3	4546.5	4465.6	4350.6
-67.5°	3986.6	4047.4	4099.2	4127.8	4099.2	4047.4	3986.6	3904.3	3818.7	3727.4	3622.7
-70°	3238.2	3298.1	3360.0	3400.3	3360.0	3298.1	3238.2	3158.9	3085.2	3005.3	2922.7
-72.5°	2630.1	2722.2	2797.0	2844.2	2797.0	2722.2	2630.1	2525.1	2449.9	2383.3	2316.5
-75°	2042.6	2105.8	2188.4	2243.8	2188.4	2105.8	2042.6	1983.3	1916.7	1861.1	1804.2
-77.5°	1435.6	1456.7	1503.5	1538.4	1503.5	1456.7	1435.6	1427.4	1400.8	1365.2	1328.7
-80°	962.0	964.2	975.4	986.6	975.4	964.2	962.0	964.5	961.8	949.3	931.1
-82.5°	678.6	677.6	679.8	682.0	679.8	677.6	678.6	678.1	676.4	668.9	657.2
-85°	458.3	458.1	458.9	460.3	458.9	458.1	458.3	457.9	456.6	452.3	447.1
-87.5°	287.6	288.3	290.1	290.8	290.1	288.3	287.6	285.1	280.4	276.2	270.4
-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):

	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°	71.7	69.8	67.8	66.8	67.1	63.7	63.4	61.4	61.0	62.1	61.2
85°	256.0	249.5	243.0	233.6	226.2	217.8	208.6	199.7	198.3	195.8	193.2
82.5°	629.3	619.4	598.6	565.5	533.0	503.6	479.0	459.6	445.2	432.0	417.4
80°	1288.2	1279.3	1230.5	1162.3	1073.7	987.1	906.2	848.5	815.3	781.8	743.7
77.5°	2122.6	2085.5	2061.9	1987.9	1852.4	1695.2	1539.1	1412.0	1328.1	1249.4	1170.4
75°	3418.5	3269.7	3176.2	2971.7	2781.8	2544.2	2305.4	2119.1	1977.0	1840.0	1702.3
72.5°	5152.0	4880.4	4583.7	4238.7	3934.6	3605.5	3264.2	2975.9	2779.4	2586.6	2366.2
70°	6912.7	6547.4	6107.1	5727.2	5337.8	4954.6	4561.0	4177.0	3922.5	3646.4	3228.1
67.5°	9376.7	9055.3	8488.4	7928.4	7722.5	7376.6	6790.9	6381.3	6075.4	5489.8	4907.5
65°	14406.1	14376.0	14055.6	13050.7	12977.4	12831.2	12036.9	11101.8	10371.7	8969.6	7847.9
62.5°	29823.8	31064.4	30737.3	28697.3	29131.8	28750.8	24696.2	22743.1	20198.7	15311.5	13125.6
60°	67611.3	67097.1	65452.4	64309.3	63011.7	58979.7	54691.5	48231.9	39528.9	31813.8	24115.4
57.5°	100486.7	98216.4	95301.6	93552.9	90908.3	85638.3	80649.1	71852.9	63500.4	52507.8	41353.8
55°	114083.0	111137.4	107060.9	104629.4	101849.9	97040.4	92384.5	84316.4	78705.9	68972.8	59734.2
52.5°	113296.2	109568.6	106197.0	103759.5	101033.8	97407.1	92752.9	86879.6	82318.9	77552.6	71791.1
50°	106513.0	103866.5	101326.8	99137.0	96798.9	93951.7	89869.7	84530.7	79715.7	77703.5	75521.6
47.5°	98373.3	97556.8	96067.9	94301.4	92401.4	89993.6	86674.3	81890.5	76922.8	74023.4	74282.2
45°	89845.4	90264.3	89831.1	88682.8	87250.2	85462.1	82794.1	78787.5	74082.9	70873.5	70323.9
42.5°	83179.3	84068.6	84194.6	83488.7	82385.9	81138.2	79187.1	75925.8	71962.5	68651.4	67506.9
40°	79268.7	80092.4	80752.3	80301.6	79561.3	78669.7	77186.0	74804.5	71110.5	67682.6	66108.4
37.5°	76343.1	77105.5	78221.6	78248.5	78026.2	77719.0	76663.2	74834.7	72003.0	68635.6	66417.2
35°	73016.3	73795.3	74962.8	75793.0	76078.7	76268.2	76019.9	74645.1	72368.6	69437.1	67054.8
32.5°	70042.9	70534.9	71629.8	72874.8	73418.4	74066.5	74456.4	73840.4	71990.6	69529.4	67203.7
30°	67331.5	67535.8	68355.8	69780.9	70612.4	71436.1	72217.7	72200.8	71052.9	69149.1	67060.2
27.5°	65110.0	65138.3	65869.2	67054.3	68119.2	69085.3	70165.4	70719.1	70165.4	68742.5	67013.1
25°	62878.3	62985.9	63544.1	64741.3	65971.0	66973.2	68341.5	69283.4	69420.3	68541.0	67083.5
22.5°	60313.6	60506.8	61133.9	62238.0	63601.8	64693.4	66122.6	67452.3	68152.4	67856.1	66686.8
20°	57888.7	58230.0	58811.4	59935.7	61452.5	62495.8	64078.5	65728.6	66777.1	66900.3	66030.1
17.5°	56037.4	56349.6	56939.1	58008.6	59552.1	60712.7	62234.1	63900.2	65136.3	65537.6	64951.4
15°	54217.2	54613.9	55161.8	56185.9	57743.3	58803.3	60237.3	61831.0	63137.0	63598.6	63189.3
12.5°	52192.6	52631.1	53275.3	54166.5	55721.1	56652.5	57783.2	59208.8	60405.8	60821.2	60514.2
10°	49978.0	50411.2	50878.1	51739.1	53149.7	53965.8	54702.9	55873.1	56795.3	57149.5	57007.0
7.5°	47450.0	47736.9	48087.6	48835.1	49924.1	50571.3	51097.0	51943.4	52630.4	52893.2	52723.5
5°	44233.0	44466.9	44784.1	45291.6	46274.9	46743.9	47048.8	47566.5	48025.6	48179.0	48038.0
2.5°	40756.7	40859.9	41047.5	41465.8	42210.2	42479.7	42604.5	42858.8	43116.0	43195.0	42992.3
0°	36828.2	36914.8	37047.7	37329.9	37920.0	38028.7	37966.1	37996.6	37985.9	37886.3	37767.3
-2.5°	32822.2	32850.3	32922.1	33016.6	33338.5	33275.0	33119.1	32991.7	32982.3	32809.4	32524.2
-5°	28323.4	28384.2	28410.1	28369.5	28506.7	28338.6	28123.6	27878.0	27672.2	27359.1	27050.0
-7.5°	23705.0	23746.3	23775.0	23670.6	23602.6	23406.1	23108.1	22778.4	22573.7	22287.1	21971.7
-10°	19629.6	19637.8	19588.7	19497.8	19337.2	19102.5	18821.8	18402.1	18144.7	17836.2	17572.5
-12.5°	16701.8	16641.8	16556.0	16376.0	16231.6	15985.3	15568.9	15188.6	14834.1	14561.7	14333.9
-15°	15055.7	14919.6	14810.9	14631.6	14354.9	13981.4	13494.7	13094.5	12694.2	12410.0	12181.4
-17.5°	14241.2	14079.4	13907.2	13633.9	13315.0	12887.6	12339.5	11845.1	11385.3	11042.8	10761.0
-20°	13745.1	13558.8	13337.7	13023.0	12660.2	12147.7	11528.6	11038.4	10585.6	10203.6	9841.6



REPORT NUMBER: P902107 (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°	13343.6	13153.3	12861.8	12520.5	12131.8	11589.0	10965.5	10488.3	10064.0	9640.8	9191.0
-25°	13141.3	12895.9	12486.3	12081.1	11662.4	11091.3	10433.7	9997.4	9638.3	9194.3	8705.1
-27.5°	13010.3	12746.5	12298.7	11836.7	11363.1	10702.5	10086.2	9643.1	9245.6	8800.2	8302.3
-30°	12924.6	12583.0	12116.3	11642.7	11117.9	10433.7	9817.7	9363.6	8918.1	8455.6	7983.9
-32.5°	12773.9	12398.9	11909.3	11431.3	10845.9	10161.7	9568.4	9080.4	8613.0	8140.4	7715.2
-35°	12546.4	12135.8	11632.4	11157.9	10552.9	9871.3	9324.5	8849.0	8372.2	7904.8	7485.5
-37.5°	12198.2	11755.4	11283.8	10791.5	10184.2	9553.4	9056.0	8606.2	8151.8	7700.2	7293.2
-40°	11692.4	11270.7	10847.1	10367.2	9807.3	9270.5	8816.0	8371.4	7942.9	7507.4	7098.1
-42.5°	11076.8	10682.7	10326.7	9891.3	9409.4	9007.4	8607.9	8171.7	7721.2	7277.9	6846.2
-45°	10357.1	10010.4	9698.9	9345.7	9007.1	8672.0	8302.7	7877.8	7400.1	6960.8	6520.6
-47.5°	9599.1	9313.5	9033.2	8748.4	8491.1	8222.8	7870.4	7455.3	6983.9	6530.0	6092.0
-50°	8846.8	8599.5	8363.1	8108.3	7909.2	7692.6	7373.5	6952.2	6499.5	6013.6	5585.0
-52.5°	8061.6	7837.7	7627.9	7399.9	7234.6	7042.8	6772.3	6365.9	5929.3	5457.8	5049.5
-55°	7227.2	7005.1	6802.6	6627.7	6492.3	6330.7	6077.2	5718.3	5283.0	4876.3	4509.4
-57.5°	6367.9	6163.8	6001.7	5854.8	5717.0	5608.1	5398.1	5062.9	4684.2	4315.3	4003.1
-60°	5656.2	5480.3	5308.7	5155.7	5036.8	4928.6	4740.6	4462.7	4120.8	3796.2	3528.9
-62.5°	4938.8	4778.4	4631.1	4493.4	4386.2	4291.5	4135.7	3885.9	3582.9	3303.7	3062.8
-65°	4220.2	4086.4	3961.1	3837.1	3735.7	3652.4	3524.5	3315.1	3058.0	2825.8	2606.9
-67.5°	3521.6	3419.5	3314.8	3215.7	3131.0	3056.5	2940.2	2754.7	2535.4	2341.3	2162.0
-70°	2842.2	2768.0	2692.0	2628.8	2570.0	2491.9	2360.6	2192.4	2034.7	1896.6	1756.4
-72.5°	2252.4	2196.2	2146.9	2103.6	2046.5	1948.5	1813.9	1689.5	1598.3	1508.4	1405.7
-75°	1747.2	1702.8	1667.7	1633.9	1582.9	1496.2	1397.1	1313.1	1247.6	1182.5	1110.4
-77.5°	1292.9	1258.8	1232.3	1211.4	1179.2	1117.3	1052.9	998.4	955.5	912.1	860.2
-80°	908.5	887.4	870.7	860.7	842.4	806.7	771.0	741.0	712.1	682.1	646.0
-82.5°	642.7	628.8	612.6	600.0	586.0	563.3	539.4	518.4	500.9	480.4	458.3
-85°	438.9	431.5	421.9	413.9	403.3	384.3	366.3	352.3	334.4	315.7	299.4
-87.5°	264.2	256.4	249.7	242.6	234.9	226.4	216.4	205.7	195.2	182.8	170.5
-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°	61.5	61.5	59.6	60.0	57.4	56.9	54.7	51.9	48.7	45.1	41.0
85°	187.2	180.4	171.2	161.2	148.4	137.0	123.5	108.9	97.5	90.3	82.1
82.5°	395.4	371.1	342.0	309.2	272.8	251.9	231.0	208.0	184.2	159.0	133.3
80°	691.3	638.2	578.2	533.6	485.5	432.6	377.5	320.7	274.5	239.7	204.7
77.5°	1076.3	978.2	905.5	828.8	740.9	643.6	559.1	488.2	414.4	336.9	275.5
75°	1556.8	1443.0	1323.4	1187.9	1036.4	919.5	795.9	671.2	566.2	473.6	375.2
72.5°	2165.6	1995.3	1812.5	1620.2	1436.4	1237.8	1046.9	895.8	746.4	608.5	490.2
70°	2985.6	2709.9	2359.3	2111.0	1852.7	1586.4	1346.3	1125.8	937.5	766.9	602.8
67.5°	4449.8	3745.1	3228.9	2739.1	2285.2	1959.7	1641.4	1369.2	1133.0	925.1	733.4
65°	6699.7	5549.7	4510.8	3492.6	2863.6	2344.4	1953.8	1610.4	1333.3	1086.9	863.9
62.5°	9886.8	7749.4	6045.9	4590.1	3502.5	2794.0	2270.8	1859.8	1530.7	1256.4	990.8
60°	16707.1	12414.6	7963.2	5963.2	4294.3	3316.2	2619.2	2113.1	1739.6	1421.0	1133.5
57.5°	31063.8	20742.6	14156.6	7638.0	5562.3	3947.9	3026.2	2396.2	1942.5	1595.8	1272.8
55°	47338.6	35263.6	23582.4	14678.4	7052.5	4982.0	3536.1	2659.9	2170.0	1769.1	1407.3
52.5°	62739.3	50455.0	37086.9	23946.6	13664.7	6192.2	4190.1	3045.9	2393.7	1937.2	1550.4
50°	72834.1	63914.6	51290.5	36983.2	21548.5	10897.1	5061.4	3404.5	2638.7	2126.8	1689.3
47.5°	74569.9	73031.5	64143.6	50222.7	34417.1	16480.6	6474.5	3904.3	2938.5	2307.6	1822.0
45°	72866.1	74479.6	72133.0	63282.5	46850.0	26432.6	10444.0	4351.1	3219.5	2479.4	1960.0
42.5°	69232.4	73448.5	75231.1	70777.0	58697.9	37518.8	13574.9	5111.5	3533.3	2713.4	2103.1
40°	67270.6	71008.7	75613.0	77360.7	68874.8	48345.6	21977.7	7282.2	3852.3	2934.7	2240.3
37.5°	66597.7	69768.9	74772.1	78359.7	75115.7	59252.1	30318.8	8816.0	4160.0	3142.1	2371.2
35°	66762.0	68907.4	73551.6	79272.5	80671.6	69194.6	38302.7	11912.3	4820.5	3370.4	2522.9
32.5°	66559.5	68077.0	72052.8	77448.8	80834.8	74058.8	47847.5	17644.2	5677.0	3607.8	2684.3
30°	66187.4	66940.5	70104.4	75232.2	80874.4	78280.2	57058.5	22081.0	6342.3	3824.1	2834.3
27.5°	66102.3	66571.3	68933.3	73397.6	79377.0	80169.0	63614.1	25479.3	6804.6	4017.4	2972.5
25°	65978.5	66274.1	67983.4	71780.3	77396.8	78950.7	65953.8	32038.2	8828.2	4224.5	3098.6
22.5°	65664.0	65728.1	66977.8	70191.1	75118.4	78189.6	67374.0	37454.5	11195.7	4583.1	3218.3
20°	65032.7	64876.1	65963.0	68538.8	73055.8	76714.5	68448.9	41736.9	12829.4	4863.8	3335.1
17.5°	63909.8	63559.7	64293.7	66541.6	70328.0	73747.0	67592.6	44708.8	13872.2	5088.0	3434.6
15°	62114.5	61726.3	61973.8	64084.6	67337.1	70162.5	64967.3	45694.5	14466.1	5251.4	3511.1
12.5°	59472.9	59101.6	59357.3	60961.3	63998.3	66573.9	61601.3	44370.2	14558.3	5361.4	3563.2
10°	56069.9	55752.1	56142.3	57596.6	60078.7	62416.6	58016.6	42166.1	15256.9	5425.5	3598.7
7.5°	52014.9	51878.9	52250.0	53733.3	56026.4	57922.5	53321.3	38824.6	15477.3	5445.5	3615.0
5°	47534.9	47592.6	47981.7	49289.7	51330.7	53006.9	48296.5	34885.0	14871.4	5399.7	3603.1
2.5°	42734.5	42983.5	43352.5	44524.0	46223.6	47368.7	42089.8	30002.3	13588.8	5307.8	3575.4
0°	37634.0	37927.0	38384.0	39406.6	40808.8	41425.8	35572.5	24758.7	11851.4	5182.4	3532.3
-2.5°	32387.6	32638.0	32917.3	33780.9	34852.1	34917.4	29146.4	20177.2	10236.2	5007.4	3459.4
-5°	26984.2	27203.3	27555.3	28371.1	29138.6	28513.1	22698.7	15485.6	8538.9	4809.2	3372.4
-7.5°	21996.6	22193.7	22557.5	23232.4	23721.8	22735.2	17882.5	12325.0	7258.6	4594.0	3272.5
-10°	17708.0	17873.3	18146.6	18915.2	19275.5	17790.4	13376.3	9527.8	6324.0	4367.2	3155.5
-12.5°	14392.1	14383.0	14792.4	15320.4	15196.5	13766.7	10768.3	7856.4	5595.1	4129.5	3028.4
-15°	12059.3	11924.1	12158.5	12221.0	12135.6	10928.3	8533.0	6782.3	5199.5	3897.2	2894.4
-17.5°	10423.6	10260.8	10113.7	10114.1	9821.8	8725.5	7350.7	6052.0	4810.4	3676.8	2765.3
-20°	9394.6	9057.5	8702.0	8549.7	8094.9	7467.9	6458.3	5571.7	4477.7	3454.7	2639.5



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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°	8706.3	8211.9	7855.9	7392.0	7154.8	6564.6	5950.9	5129.2	4181.4	3250.3	2509.6
-25°	8209.3	7747.1	7300.9	6921.0	6497.2	6114.2	5479.6	4775.7	3892.1	3061.0	2390.4
-27.5°	7835.1	7397.1	6947.1	6540.5	6210.8	5734.5	5164.6	4447.0	3658.7	2902.8	2288.3
-30°	7549.5	7107.9	6674.9	6290.8	5959.9	5479.6	4866.1	4180.6	3450.5	2755.4	2180.9
-32.5°	7296.7	6880.4	6461.5	6093.2	5748.4	5227.2	4607.6	3936.8	3244.7	2615.1	2068.4
-35°	7069.8	6672.1	6268.9	5895.9	5574.4	5011.2	4368.0	3695.8	3052.5	2469.6	1954.6
-37.5°	6888.1	6481.6	6086.7	5716.7	5334.0	4772.5	4121.3	3479.1	2872.2	2328.0	1846.2
-40°	6690.9	6284.0	5892.7	5520.3	5094.4	4517.0	3876.0	3254.6	2698.1	2190.8	1740.1
-42.5°	6444.7	6033.9	5630.3	5210.5	4780.3	4233.0	3612.2	3016.4	2515.4	2045.1	1628.3
-45°	6098.2	5691.9	5290.5	4875.3	4439.5	3915.2	3333.8	2797.7	2331.2	1891.3	1510.7
-47.5°	5672.1	5275.1	4861.8	4495.9	4072.1	3572.7	3036.3	2575.0	2146.1	1747.3	1393.1
-50°	5191.6	4808.4	4440.3	4091.8	3684.1	3224.9	2764.4	2345.5	1951.8	1595.6	1278.5
-52.5°	4694.4	4358.1	4031.2	3690.6	3311.3	2885.4	2489.1	2117.2	1764.7	1438.2	1160.1
-55°	4209.6	3915.7	3632.1	3318.5	2952.2	2578.3	2220.7	1881.4	1579.3	1297.7	1040.0
-57.5°	3743.0	3500.4	3243.6	2962.1	2626.1	2273.4	1951.2	1668.7	1393.0	1153.2	933.9
-60°	3292.1	3063.9	2843.7	2597.4	2291.1	1965.0	1699.9	1452.5	1226.2	1010.1	825.9
-62.5°	2830.1	2622.8	2428.3	2213.6	1931.0	1680.9	1460.8	1258.4	1056.5	886.7	716.7
-65°	2395.3	2200.0	2028.4	1816.5	1622.2	1418.6	1246.4	1068.9	912.7	762.0	631.9
-67.5°	1995.5	1829.3	1673.2	1514.8	1343.1	1194.6	1042.0	907.9	774.9	654.8	546.3
-70°	1630.5	1499.9	1363.1	1242.4	1112.4	983.4	874.1	758.3	653.9	558.9	462.8
-72.5°	1303.6	1208.8	1107.3	999.9	909.5	813.8	713.5	632.5	547.7	464.7	396.6
-75°	1029.2	958.4	886.7	811.6	731.5	661.3	589.9	517.1	448.9	390.0	329.6
-77.5°	803.2	746.8	696.8	644.0	588.0	528.5	470.5	417.9	365.6	314.7	268.2
-80°	609.4	573.1	533.7	492.5	452.1	410.6	366.8	323.9	284.7	250.6	216.7
-82.5°	433.6	408.1	381.3	353.9	324.6	298.9	270.7	242.9	215.8	190.6	164.7
-85°	283.8	269.7	253.8	238.7	220.5	202.4	183.4	164.7	146.1	129.0	110.6
-87.5°	159.8	147.6	134.3	123.9	112.4	102.3	92.4	82.6	73.1	64.6	55.4
-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):

	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°	36.5	31.0	25.7	19.3	13.3	6.6	0.0
85°	73.0	62.0	51.3	38.6	26.5	13.3	0.0
82.5°	109.4	93.0	76.8	57.8	39.8	19.9	0.0
80°	167.5	129.2	102.2	76.9	52.9	26.5	0.0
77.5°	227.5	178.2	131.7	96.0	65.9	33.0	0.0
75°	286.8	226.6	168.3	114.9	78.8	39.5	0.0
72.5°	372.5	274.0	204.3	139.4	91.6	45.8	0.0
70°	465.7	333.9	239.7	165.0	104.2	52.1	0.0
67.5°	556.6	407.0	274.3	189.9	116.6	58.3	0.0
65°	654.8	478.2	319.2	214.2	130.3	64.4	0.0
62.5°	760.8	547.4	372.6	237.7	144.9	70.4	0.0
60°	863.5	622.2	424.2	260.3	159.1	76.2	0.0
57.5°	962.5	704.1	473.9	283.1	172.8	81.9	0.0
55°	1077.3	783.5	521.5	317.2	186.0	87.5	0.0
52.5°	1188.1	859.9	569.6	349.8	198.8	92.8	0.0
50°	1294.0	931.5	626.1	380.8	210.9	98.0	0.0
47.5°	1396.5	1012.5	679.4	410.1	222.5	103.0	0.0
45°	1503.6	1089.3	728.9	437.7	233.5	107.8	0.0
42.5°	1605.3	1161.4	775.2	463.5	243.9	112.4	0.0
40°	1700.7	1228.8	818.1	487.5	253.6	116.8	0.0
37.5°	1790.4	1291.3	857.6	509.4	262.7	121.0	0.0
35°	1887.5	1356.5	900.2	535.0	275.2	125.3	0.0
32.5°	1986.4	1421.3	942.2	560.3	288.1	129.5	0.0
30°	2079.0	1481.9	980.5	583.2	299.9	133.4	0.0
27.5°	2164.9	1538.1	1014.7	603.7	311.1	136.9	0.0
25°	2243.5	1589.6	1044.9	621.8	321.2	140.2	0.0
22.5°	2314.5	1635.7	1071.2	637.4	330.2	143.2	0.0
20°	2384.3	1674.6	1093.6	650.5	338.1	145.9	0.0
17.5°	2454.0	1707.9	1112.0	662.4	344.9	148.2	0.0
15°	2508.9	1738.6	1126.4	672.2	350.6	150.3	0.0
12.5°	2551.1	1766.1	1137.3	679.8	355.2	152.0	0.0
10°	2581.1	1782.2	1144.3	685.0	358.7	153.4	0.0
7.5°	2589.2	1787.3	1147.2	687.9	361.2	154.4	0.0
5°	2582.4	1785.0	1146.2	688.6	362.6	155.2	0.0
2.5°	2564.5	1775.3	1141.4	687.1	362.9	155.6	0.0
0°	2536.1	1758.4	1132.8	683.5	362.3	155.7	0.0
-2.5°	2494.9	1735.7	1124.0	680.4	361.3	155.6	0.0
-5°	2444.7	1706.2	1111.7	675.2	359.3	155.1	0.0
-7.5°	2386.2	1670.1	1096.1	668.1	356.4	154.4	0.0
-10°	2321.6	1627.7	1077.2	659.0	352.5	153.3	0.0
-12.5°	2254.8	1582.8	1055.2	648.0	347.7	151.9	0.0
-15°	2183.1	1536.4	1031.4	635.1	341.9	150.2	0.0
-17.5°	2107.7	1490.1	1007.7	620.4	335.2	148.2	0.0
-20°	2027.9	1444.3	981.0	604.3	327.6	145.9	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1942.3	1395.2	951.4	587.6	319.1	143.4	0.0
-25°	1855.3	1345.4	918.9	569.2	309.8	140.5	0.0
-27.5°	1767.6	1293.2	883.8	549.0	299.7	137.3	0.0
-30°	1681.6	1237.5	846.1	527.2	288.8	133.9	0.0
-32.5°	1599.5	1178.6	806.4	503.7	277.5	130.2	0.0
-35°	1513.5	1116.6	764.2	478.7	265.4	126.2	0.0
-37.5°	1428.0	1054.6	722.6	454.2	253.7	122.1	0.0
-40°	1345.6	995.1	685.6	433.7	245.0	117.9	0.0
-42.5°	1260.2	932.8	646.9	412.2	235.9	113.5	0.0
-45°	1171.3	867.7	606.5	390.0	226.2	108.9	0.0
-47.5°	1078.4	800.1	564.6	366.8	216.2	104.1	0.0
-50°	992.6	730.1	520.9	342.6	205.7	99.1	0.0
-52.5°	905.9	673.7	475.6	317.5	194.8	93.9	0.0
-55°	816.6	615.9	438.4	291.6	183.6	88.5	0.0
-57.5°	725.0	556.6	402.6	264.8	172.0	82.9	0.0
-60°	652.9	495.9	365.9	246.1	160.1	77.2	0.0
-62.5°	579.7	442.7	328.4	227.6	147.9	71.3	0.0
-65°	505.4	395.5	290.1	208.6	135.4	65.3	0.0
-67.5°	440.1	347.7	257.2	189.2	122.7	59.1	0.0
-70°	382.9	299.1	230.2	169.2	109.8	52.9	0.0
-72.5°	325.0	257.4	202.8	148.9	96.6	46.5	0.0
-75°	270.5	222.2	174.8	128.3	83.3	40.0	0.0
-77.5°	227.2	186.5	146.5	107.4	69.7	33.5	0.0
-80°	183.4	150.4	117.7	86.2	55.9	26.9	0.0
-82.5°	139.0	113.4	88.6	64.8	42.1	20.2	0.0
-85°	92.9	75.7	59.2	43.3	28.1	13.5	0.0
-87.5°	46.5	37.9	29.6	21.7	14.1	6.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)