

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: P902090 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/13/2024

Test Information

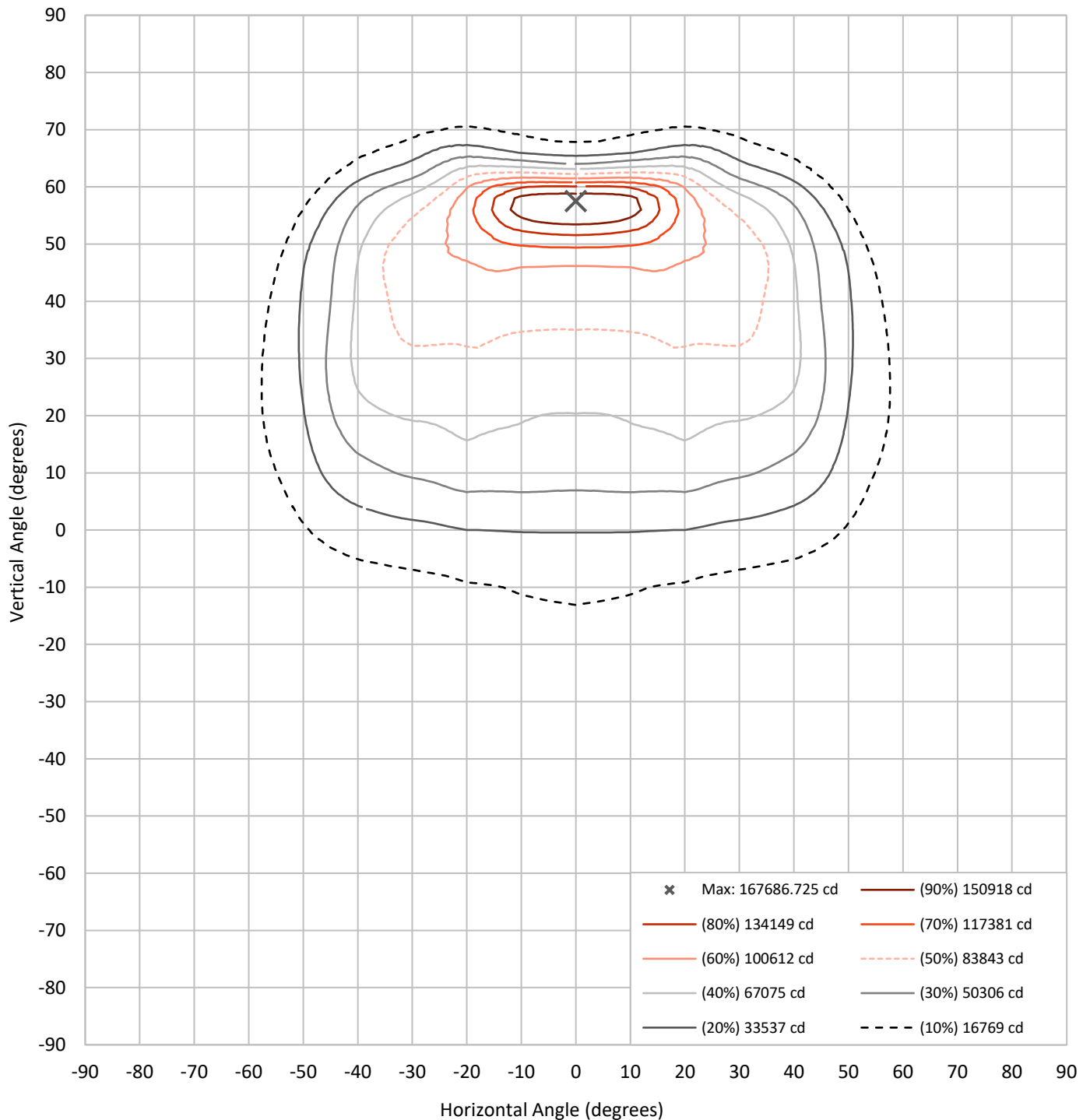
Test Method: LM-79-08
Report Number: P902090 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVA2111039)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A55-MNB
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A55-MNB OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	158313.8 lumens	Max Intensity:	167686.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 57.5°V
Efficacy:	112.0 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	53.2°H x 27.2°V	Field Angle (10%):	98°H x 80.5°V
Beam Lumens:	54346.8 lumens	Field Lumens:	134438.4 lumens
Beam Efficiency:	34.3%	Field Efficiency:	84.9%
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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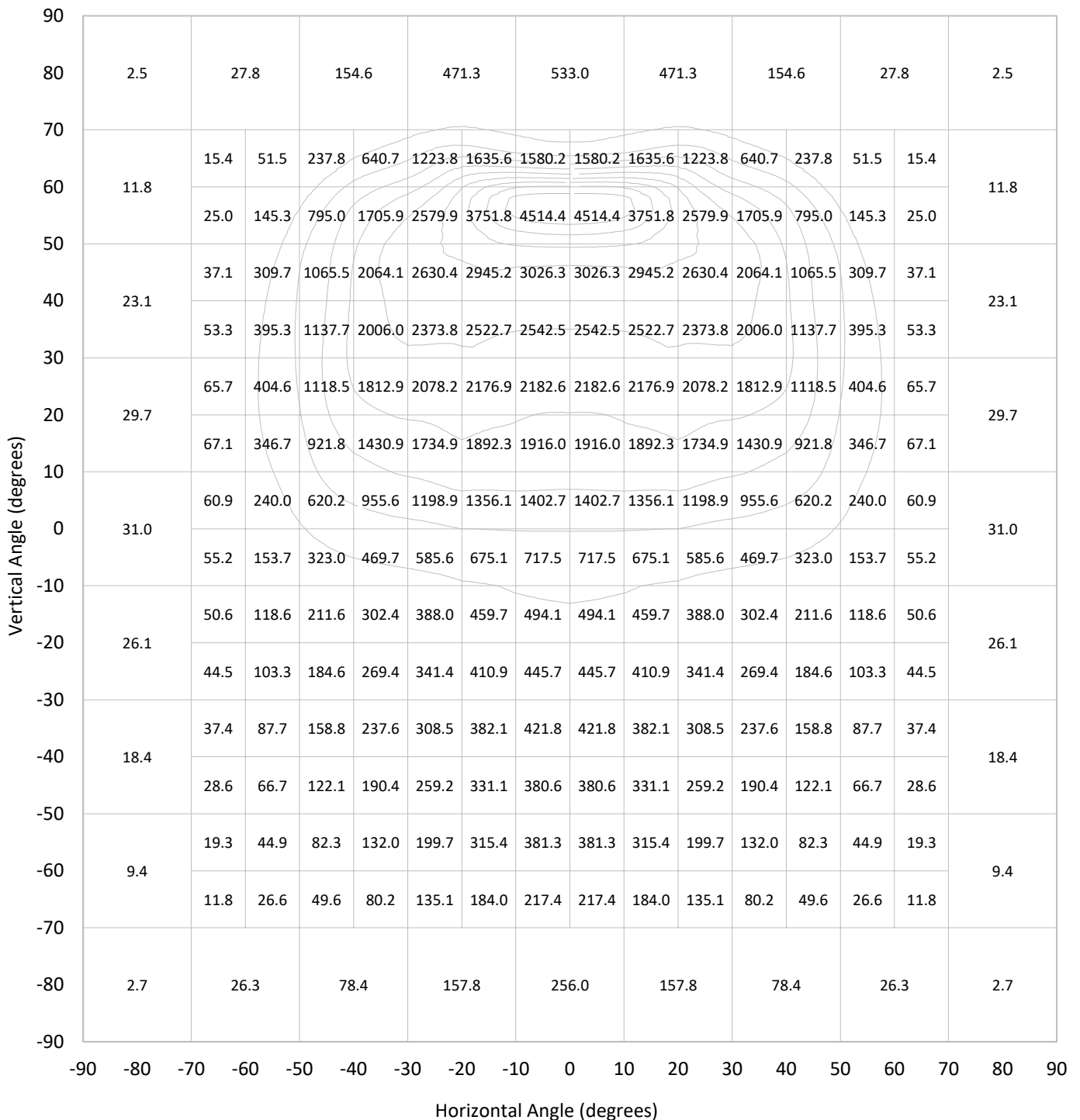
Iso-Candela Plot





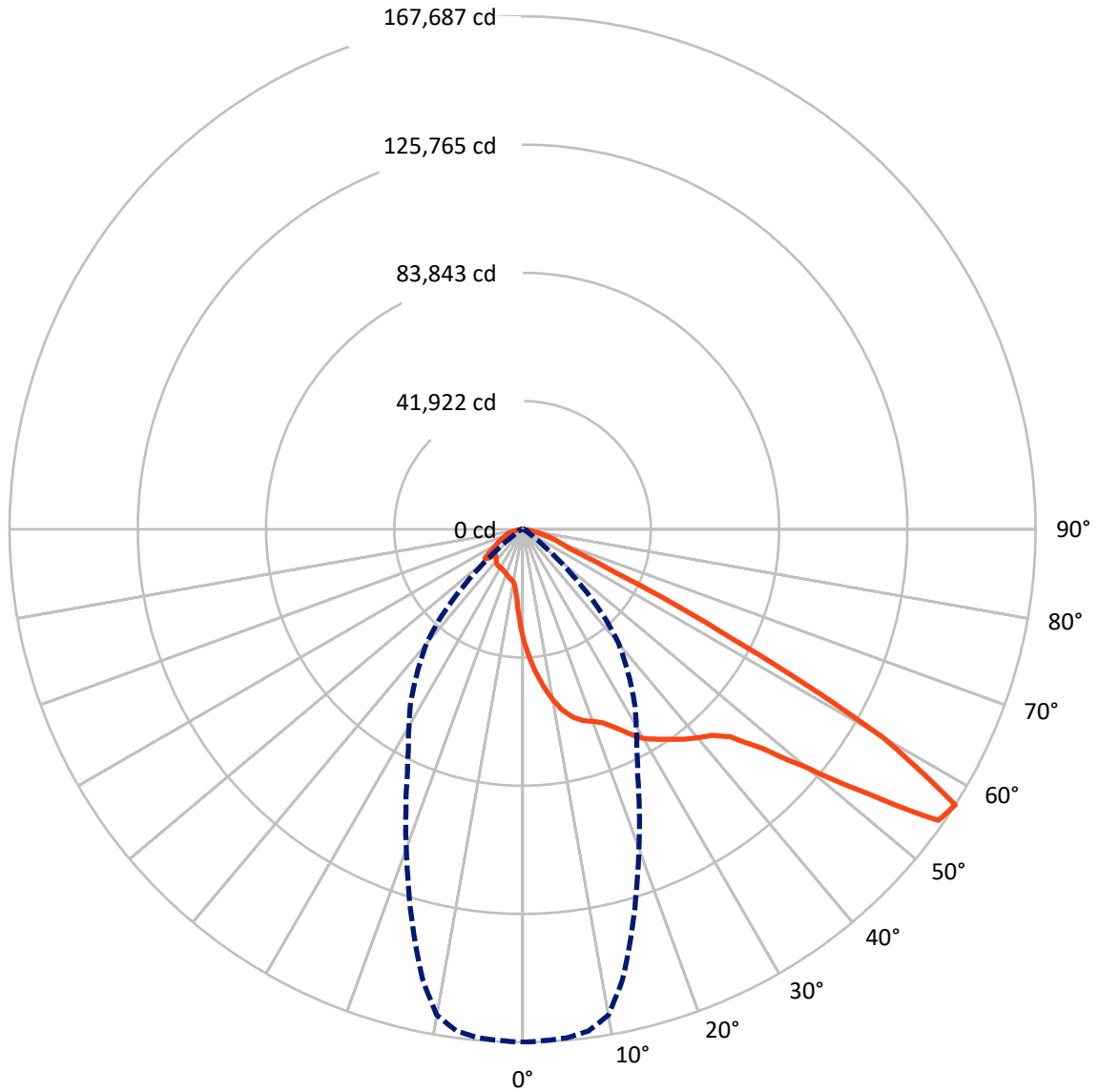
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Lumen Table



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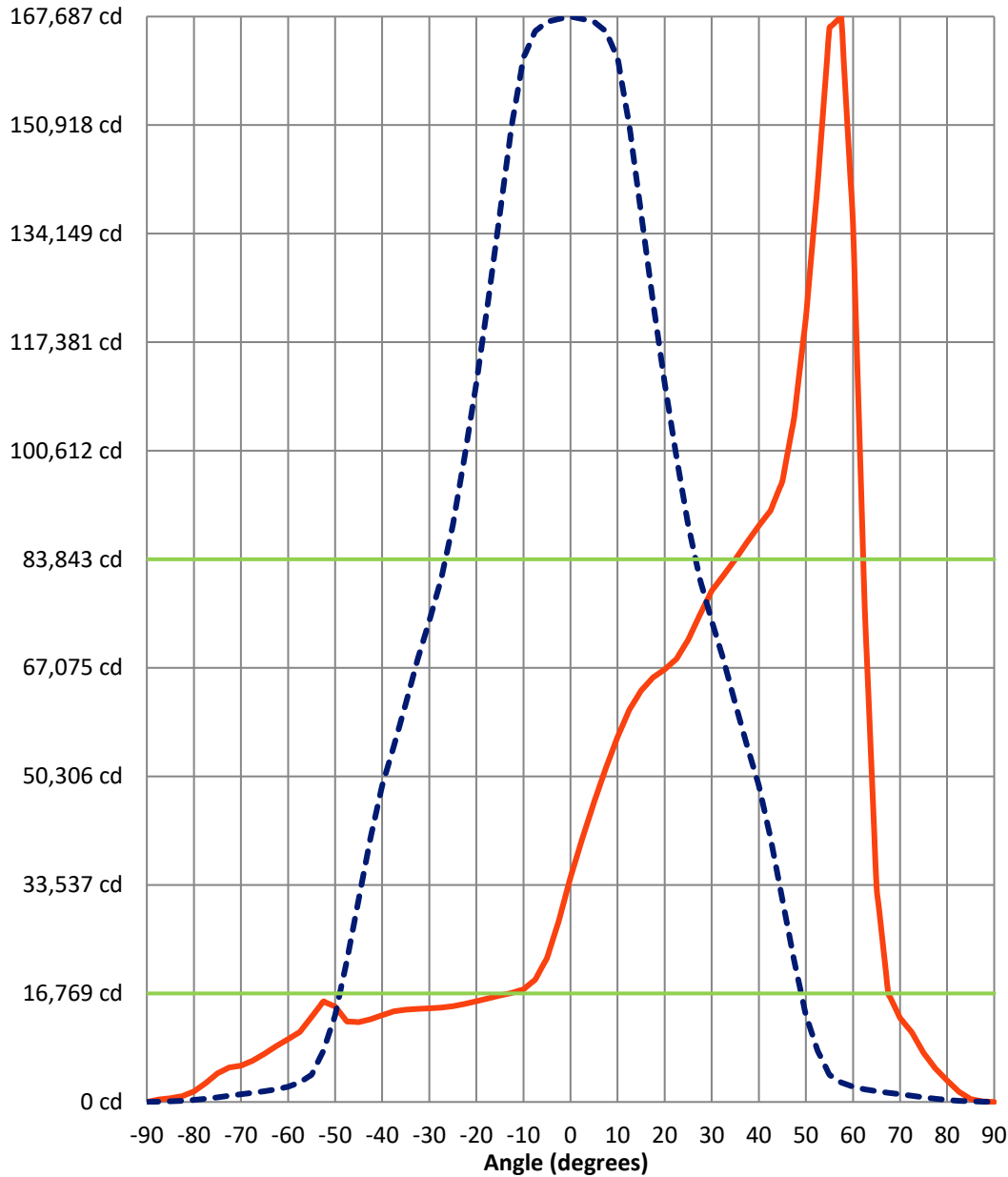
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 57.5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 53.2°
 V Angle: 27.2°
 Lumens: 54346.8
 Efficiency: 34.3%

Field:
 H Angle: 98°
 V Angle: 80.5°
 Lumens: 134438.4
 Efficiency: 84.9%

Spill:
 Lumens: 23875.4
 Efficiency: 15.1%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 57.5-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	4.3	8.5	12.8	17.0	21.2	24.7	28.0	31.1	34.0	35.6
85°	0.0	8.5	17.0	25.5	33.9	42.3	49.5	56.1	62.2	67.9	74.7
82.5°	0.0	12.8	25.5	38.2	50.8	63.4	74.1	91.5	110.8	128.8	143.5
80°	0.0	17.0	33.9	50.8	67.6	87.6	113.8	141.6	168.2	192.3	224.7
77.5°	0.0	21.2	42.3	63.4	87.1	119.7	154.7	191.2	239.1	299.7	355.5
75°	0.0	25.3	50.6	75.8	111.1	151.4	194.9	264.6	342.8	417.4	494.8
72.5°	0.0	29.4	58.8	91.1	134.6	182.4	257.8	350.7	444.7	549.0	656.2
70°	0.0	33.5	66.9	106.9	157.5	224.5	327.1	435.1	562.5	686.2	817.9
67.5°	0.0	37.4	74.8	122.2	179.7	277.8	394.6	535.7	681.1	827.8	985.0
65°	0.0	41.4	83.3	137.0	210.1	329.4	469.4	637.1	804.3	974.8	1151.0
62.5°	0.0	45.2	92.2	151.3	247.5	379.2	552.6	736.3	935.6	1120.5	1318.3
60°	0.0	48.9	100.7	165.1	283.4	435.1	633.3	850.4	1065.2	1270.8	1487.1
57.5°	0.0	52.6	108.9	179.0	317.8	499.0	711.4	962.6	1198.0	1420.2	1664.2
55°	0.0	56.1	116.9	201.8	350.5	560.5	804.4	1070.8	1331.3	1580.4	1838.7
52.5°	0.0	59.6	124.4	223.4	384.1	619.5	893.7	1183.8	1463.7	1740.6	2042.0
50°	0.0	62.9	131.7	243.5	426.3	673.6	979.4	1294.4	1602.9	1904.2	2240.0
47.5°	0.0	66.1	138.5	262.3	465.4	737.6	1061.9	1401.5	1737.8	2073.7	2451.2
45°	0.0	69.2	144.9	279.7	500.6	797.1	1144.9	1507.4	1862.0	2235.3	2654.8
42.5°	0.0	72.2	151.0	295.5	532.7	852.0	1222.8	1603.6	1991.7	2397.7	2853.0
40°	0.0	75.0	156.6	310.0	561.6	902.2	1291.5	1691.4	2114.4	2554.9	3080.6
37.5°	0.0	77.6	161.8	322.9	587.4	947.5	1349.5	1771.6	2229.6	2693.1	3287.7
35°	0.0	80.2	169.2	339.3	615.9	988.8	1403.0	1848.7	2324.1	2835.1	3492.3
32.5°	0.0	82.6	176.9	355.9	643.6	1025.4	1451.8	1916.9	2413.1	2981.2	3688.1
30°	0.0	84.9	183.7	370.5	667.8	1057.2	1494.7	1975.7	2493.6	3102.0	3849.0
27.5°	0.0	87.0	190.2	383.2	689.8	1084.2	1532.1	2028.5	2565.2	3208.1	3982.1
25°	0.0	88.9	196.0	394.0	708.6	1106.5	1564.9	2074.8	2632.7	3311.3	4140.6
22.5°	0.0	90.6	201.1	403.0	724.2	1125.4	1593.0	2121.6	2706.8	3404.2	4230.0
20°	0.0	92.1	205.5	410.0	736.5	1143.3	1618.2	2165.7	2770.0	3478.2	4304.9
17.5°	0.0	93.5	209.2	417.1	745.5	1157.0	1646.5	2202.6	2821.2	3533.1	4355.8
15°	0.0	94.6	212.3	423.1	751.4	1168.6	1671.5	2234.4	2859.4	3569.6	4397.5
12.5°	0.0	95.6	214.6	427.5	757.6	1178.1	1690.4	2261.1	2888.5	3589.2	4427.6
10°	0.0	96.4	216.4	430.3	762.1	1185.7	1703.1	2279.5	2908.6	3602.9	4444.7
7.5°	0.0	97.0	217.4	431.5	763.6	1190.9	1712.8	2290.2	2917.4	3601.8	4382.1
5°	0.0	97.4	217.8	431.1	762.3	1191.4	1716.9	2294.0	2919.2	3592.3	4329.2
2.5°	0.0	97.6	217.6	429.2	758.2	1187.1	1714.4	2289.5	2911.8	3578.5	4291.9
0°	0.0	97.6	216.8	425.9	751.4	1178.0	1705.4	2277.0	2894.3	3551.4	4238.7
-2.5°	0.0	97.6	217.0	425.2	747.6	1168.7	1686.0	2247.3	2860.2	3524.6	4202.1
-5°	0.0	97.5	216.6	423.1	741.2	1154.7	1660.4	2210.0	2816.1	3485.5	4152.5
-7.5°	0.0	97.1	215.7	419.6	732.4	1136.3	1629.0	2165.2	2762.2	3434.4	4106.0
-10°	0.0	96.6	214.1	414.9	721.0	1113.5	1592.7	2113.8	2698.9	3370.0	4048.7
-12.5°	0.0	95.9	212.0	408.8	707.4	1088.9	1553.0	2056.0	2625.5	3291.3	3975.0
-15°	0.0	95.0	209.3	401.4	692.4	1063.2	1508.6	1992.0	2548.0	3200.9	3890.1
-17.5°	0.0	93.9	206.0	392.8	678.0	1036.7	1460.0	1929.9	2469.0	3098.9	3784.4
-20°	0.0	92.6	202.1	383.4	661.3	1009.3	1410.6	1868.2	2381.9	2996.6	3662.0



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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	91.2	197.7	374.0	642.2	978.8	1366.0	1800.9	2297.2	2893.5	3531.5
-25°	0.0	89.5	192.8	363.3	621.0	947.1	1319.8	1734.1	2213.8	2783.0	3402.4
-27.5°	0.0	87.7	187.3	351.4	597.6	913.2	1270.2	1676.2	2135.5	2677.5	3269.4
-30°	0.0	85.7	181.2	338.2	572.2	876.4	1218.8	1613.0	2055.9	2572.9	3134.5
-32.5°	0.0	83.6	175.1	323.9	545.4	836.8	1167.6	1544.6	1973.7	2460.9	2990.9
-35°	0.0	81.2	168.4	308.4	516.5	794.5	1111.9	1472.3	1883.9	2336.9	2838.1
-37.5°	0.0	78.7	161.8	293.5	488.3	751.6	1054.4	1399.4	1791.6	2213.4	2681.6
-40°	0.0	76.1	156.9	281.9	464.9	710.0	997.1	1325.3	1691.2	2088.5	2517.0
-42.5°	0.0	73.3	151.6	269.6	439.9	665.5	935.7	1245.2	1583.8	1946.9	2339.5
-45°	0.0	70.3	145.9	256.4	413.4	618.4	870.2	1158.9	1469.9	1801.1	2158.2
-47.5°	0.0	67.2	139.9	242.6	385.6	568.7	800.4	1068.5	1359.7	1655.7	1972.2
-50°	0.0	64.0	133.6	227.9	356.3	516.7	736.5	980.0	1239.6	1503.5	1785.8
-52.5°	0.0	60.7	126.9	212.5	325.9	478.9	671.7	888.8	1117.6	1362.5	1617.1
-55°	0.0	57.2	120.0	196.5	302.4	440.3	604.8	796.8	1010.5	1227.2	1449.1
-57.5°	0.0	53.6	112.7	179.8	280.0	400.5	536.5	718.4	902.7	1094.1	1303.7
-60°	0.0	49.9	105.1	167.6	256.7	359.5	488.3	638.8	798.1	975.4	1157.1
-62.5°	0.0	46.1	97.3	155.3	232.6	323.8	439.0	559.0	709.5	855.9	1022.3
-65°	0.0	42.2	89.3	142.6	207.7	292.3	388.7	500.3	619.5	752.1	888.8
-67.5°	0.0	38.2	81.0	129.4	185.3	259.7	343.3	439.8	540.5	650.7	770.4
-70°	0.0	34.2	72.5	115.8	165.8	226.3	302.0	379.2	468.0	559.0	657.7
-72.5°	0.0	30.1	63.9	101.8	145.7	196.0	259.4	328.3	395.9	476.3	559.8
-75°	0.0	25.9	55.1	87.6	125.0	168.5	217.8	276.4	336.6	398.2	467.7
-77.5°	0.0	21.7	46.1	73.4	103.8	140.4	181.6	226.7	276.5	330.1	386.0
-80°	0.0	17.4	37.0	58.9	83.1	111.7	144.5	181.3	220.4	262.0	307.5
-82.5°	0.0	13.1	27.9	44.4	62.5	83.8	107.1	135.2	165.4	197.4	230.7
-85°	0.0	8.7	18.6	29.6	41.8	56.0	71.6	90.0	110.1	131.9	153.5
-87.5°	0.0	4.4	9.3	14.8	20.9	28.1	35.9	45.1	55.2	66.1	76.9
-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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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MNB

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°	37.8	40.9	42.8	44.4	47.1	49.7	50.8	53.1	53.6	55.7	55.9
85°	85.0	96.0	105.0	114.0	123.0	130.3	137.0	143.9	149.7	154.8	159.5
82.5°	158.3	172.6	187.2	216.0	243.1	267.1	287.9	306.8	323.5	337.1	357.5
80°	266.9	306.8	343.3	380.0	420.7	474.1	518.4	562.3	607.0	665.5	737.3
77.5°	407.6	465.7	536.0	616.3	695.8	757.2	852.5	933.6	1036.5	1241.3	1587.1
75°	583.2	670.1	761.0	904.7	1076.3	1230.4	1348.0	1514.4	1720.3	2205.1	3006.0
72.5°	766.9	890.5	1040.4	1241.0	1564.8	1957.2	2262.1	2510.8	2952.5	3700.9	4637.6
70°	962.5	1119.1	1329.7	1650.5	2141.7	2893.0	3636.6	4179.9	4947.2	5948.7	6958.8
67.5°	1155.5	1362.2	1621.5	2071.0	2832.6	3928.9	5093.9	6255.1	7661.6	9463.0	11447.2
65°	1356.7	1599.2	1929.5	2481.7	3504.8	4868.1	6569.8	8442.3	11268.9	15846.3	19970.7
62.5°	1551.7	1839.0	2255.7	2998.2	4295.8	6297.1	8728.1	13654.0	19078.5	26198.2	31823.3
60°	1747.7	2091.1	2609.0	3608.5	5394.0	9162.0	14149.3	21854.6	30752.9	38660.7	44684.2
57.5°	1953.5	2358.0	3018.6	4217.6	7918.6	13414.6	21860.8	31290.8	40756.3	48892.9	55056.9
55°	2178.2	2648.2	3372.3	5713.8	10976.1	19146.1	28765.8	38916.1	47142.6	55191.6	62748.2
52.5°	2408.7	2944.7	4145.8	7583.1	14719.7	24509.4	34222.3	42568.0	50892.8	59253.1	68535.3
50°	2674.1	3359.7	4964.2	10150.8	19375.2	29282.4	37739.9	45475.8	53863.4	63585.9	73866.7
47.5°	2932.3	3726.9	6396.7	13512.1	23561.7	32352.4	39765.7	47474.2	56180.3	66845.7	77549.2
45°	3224.0	4385.3	8021.4	16804.7	26025.4	33698.1	40742.2	48249.5	57562.1	68576.4	78816.8
42.5°	3491.8	4986.1	10274.9	18966.9	27568.6	34461.2	41091.0	48951.5	58767.9	69461.8	78030.0
40°	3878.8	5994.7	11954.3	20974.4	28580.7	34905.6	41514.3	49751.1	59792.9	69830.8	77619.0
37.5°	4171.4	7053.4	13841.0	22009.5	29084.9	35316.9	42095.8	50744.6	61139.0	70362.8	77450.4
35°	4553.1	7871.0	15148.1	23013.0	29484.7	35516.1	42674.5	51945.5	62249.4	70909.4	77457.4
32.5°	5027.1	8971.5	16117.6	23347.1	29452.2	35598.6	43261.1	53008.7	63081.1	71283.0	77337.1
30°	5267.6	9683.7	16814.7	23610.0	29280.3	35365.8	43440.1	53731.6	63306.1	70857.1	76364.6
27.5°	5525.0	10092.0	17157.1	23513.3	28986.7	35187.6	43469.1	53572.0	62680.3	69706.7	74522.5
25°	5845.2	10567.1	17251.1	23243.7	28477.1	34570.1	42939.4	52828.3	61384.8	67788.7	71849.2
22.5°	6031.3	10651.3	17179.1	22881.2	27798.8	33786.4	41941.0	51099.3	58816.8	64487.6	67948.3
20°	5952.4	10547.4	16732.5	22066.4	26894.2	32770.8	40604.5	49019.1	55918.1	60907.5	63890.8
17.5°	5983.6	10252.3	15973.3	21007.9	25634.3	31295.4	38891.8	46465.9	52506.9	56852.4	59684.0
15°	5999.4	9856.9	15024.6	19714.6	24076.7	29673.9	36766.5	43611.2	49045.6	52982.0	55444.1
12.5°	5954.9	9242.3	13829.6	18161.5	22419.0	27818.9	34362.1	40609.6	45440.8	48868.7	51160.1
10°	5777.3	8591.5	12548.6	16470.3	20543.1	25644.1	31638.5	37232.1	41430.8	44555.0	46688.7
7.5°	5612.1	7900.5	11154.8	14741.7	18585.6	23235.1	28580.1	33444.7	37196.4	40039.7	42033.6
5°	5389.8	7254.5	10011.1	13164.1	16615.0	20678.6	25210.0	29283.0	32575.5	35119.4	36932.2
2.5°	5261.4	6746.3	8996.1	11675.2	14672.7	18071.9	21733.1	25011.7	27784.4	29894.8	31494.1
0°	5112.7	6264.9	8077.2	10306.6	12798.0	15530.6	18305.0	20814.8	22955.2	24603.2	25946.1
-2.5°	5006.2	5993.7	7468.4	9269.8	11294.0	13385.4	15417.7	17255.1	18900.6	20173.9	21129.2
-5°	4887.7	5741.5	6943.8	8424.4	10071.8	11683.7	13193.9	14522.4	15756.9	16698.9	17386.9
-7.5°	4805.4	5577.0	6557.8	7769.4	9101.9	10385.6	11545.1	12501.3	13457.5	14180.2	14693.1
-10°	4713.9	5432.5	6277.7	7314.4	8355.7	9417.6	10372.9	11148.2	11889.3	12497.4	12985.5
-12.5°	4613.1	5303.1	6055.8	6961.6	7866.9	8718.0	9555.9	10261.0	10903.9	11484.3	12014.5
-15°	4499.2	5175.2	5886.3	6683.5	7488.5	8236.4	9001.2	9712.1	10330.3	10907.4	11431.0
-17.5°	4381.4	5041.5	5720.1	6464.2	7191.5	7900.7	8628.8	9315.2	9970.2	10560.4	11097.6
-20°	4258.3	4895.9	5546.8	6265.9	6951.7	7632.0	8341.6	9042.9	9730.2	10340.9	10875.1



REPORT NUMBER: P902090 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MNB

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	4136.0	4740.2	5391.7	6074.3	6727.3	7387.1	8098.9	8817.2	9500.5	10144.9	10672.2
-25°	3996.0	4595.4	5233.5	5874.5	6505.6	7158.1	7847.5	8580.5	9302.5	9899.7	10393.0
-27.5°	3849.6	4427.8	5053.6	5661.7	6292.7	6937.0	7616.6	8302.2	8997.4	9598.4	10084.7
-30°	3694.3	4249.4	4860.4	5449.0	6069.5	6688.9	7350.8	8005.9	8674.0	9291.5	9791.3
-32.5°	3536.2	4074.7	4649.6	5229.4	5821.0	6445.3	7052.2	7696.0	8345.9	8963.0	9512.4
-35°	3368.1	3889.1	4433.4	4980.3	5564.7	6170.7	6732.9	7354.3	8003.1	8634.4	9156.7
-37.5°	3186.2	3680.6	4193.0	4714.3	5271.6	5841.3	6404.8	6971.4	7627.7	8249.1	8751.2
-40°	2984.3	3459.9	3949.0	4441.0	4945.6	5479.5	6021.7	6568.5	7146.2	7785.8	8266.3
-42.5°	2770.5	3216.6	3661.4	4113.3	4588.4	5081.8	5602.2	6125.4	6677.5	7223.7	7749.2
-45°	2550.1	2959.6	3360.2	3768.5	4197.8	4650.6	5139.7	5649.6	6198.3	6718.3	7201.1
-47.5°	2316.5	2694.3	3067.0	3450.1	3822.5	4229.7	4670.2	5140.7	5629.7	6134.5	6604.4
-50°	2101.7	2434.8	2779.5	3130.3	3483.5	3860.6	4208.1	4650.7	5090.1	5519.1	5987.1
-52.5°	1891.3	2183.6	2501.9	2830.9	3160.1	3503.9	3837.4	4194.5	4580.2	5004.6	5437.6
-55°	1700.8	1959.1	2227.5	2537.2	2847.6	3155.2	3463.9	3768.0	4113.1	4494.9	4893.8
-57.5°	1518.0	1742.5	1982.7	2241.7	2528.6	2817.4	3102.0	3382.3	3677.2	4002.5	4350.0
-60°	1349.3	1541.1	1742.0	1967.4	2210.8	2476.2	2744.2	3009.6	3278.3	3556.6	3853.5
-62.5°	1187.6	1352.8	1518.6	1708.9	1915.4	2149.0	2382.4	2634.9	2882.1	3130.9	3384.0
-65°	1036.9	1174.3	1319.8	1469.9	1656.9	1845.5	2052.8	2271.8	2492.8	2720.4	2947.6
-67.5°	891.1	1017.9	1138.4	1277.6	1423.9	1581.4	1752.5	1933.4	2131.2	2327.0	2523.7
-70°	765.5	868.1	977.6	1093.6	1211.3	1344.3	1477.7	1613.7	1776.4	1937.0	2105.9
-72.5°	643.0	737.8	829.3	919.6	1022.7	1125.9	1228.4	1336.7	1452.7	1566.7	1688.1
-75°	543.2	617.8	692.9	773.0	851.7	928.0	1001.9	1088.8	1174.3	1256.7	1339.6
-77.5°	445.7	509.0	573.4	636.2	696.4	757.0	819.4	881.5	941.6	999.1	1059.1
-80°	357.3	407.2	453.6	503.3	554.1	598.0	638.1	679.3	721.8	762.5	797.5
-82.5°	267.3	304.7	333.0	358.8	387.5	418.9	448.5	474.1	492.4	511.3	525.4
-85°	175.6	197.6	218.5	237.0	254.5	270.2	285.4	303.3	321.3	342.3	363.4
-87.5°	87.2	96.6	107.5	120.0	135.6	150.5	165.9	183.3	201.1	221.2	238.2
-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: P902090 (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°	58.9	61.9	64.6	67.2	69.5	71.4	73.0	74.6	77.5	79.2	81.8
85°	168.8	180.2	192.6	205.1	215.5	221.9	224.6	228.6	239.0	263.8	305.7
82.5°	389.7	437.0	534.6	627.3	698.8	713.1	691.1	674.2	716.7	844.6	1010.2
80°	874.8	1159.3	1518.9	1770.4	1919.6	1949.0	1877.6	1869.8	2033.2	2297.6	2544.0
77.5°	2138.8	2748.6	3248.9	3555.3	3721.9	3822.5	3963.0	4240.3	4562.0	4763.1	4869.3
75°	3835.2	4527.6	5181.2	5721.7	6164.5	6660.2	7239.7	7651.0	7920.2	8114.5	8153.9
72.5°	5548.9	6527.1	7654.9	8869.6	10081.0	11161.3	11796.4	11918.4	11715.1	11440.8	11180.9
70°	8295.1	9960.8	11817.8	14228.9	16464.0	18031.1	18254.8	17643.4	16540.2	15313.3	14198.3
67.5°	14065.2	17027.6	20538.9	24837.4	28826.3	31016.5	30812.6	28701.3	25697.2	22725.5	20792.7
65°	23541.4	27098.1	31364.8	37294.9	44073.0	49787.0	52449.6	51040.0	47172.3	43920.1	41076.7
62.5°	35333.6	39330.9	44107.4	50321.4	58983.4	68669.3	77088.5	82043.8	83637.1	83775.2	83353.5
60°	49368.5	54214.1	59839.0	66329.4	75290.6	86623.5	99395.3	110328.0	119272.7	126882.5	132592.6
57.5°	61534.7	68315.9	74316.7	80741.1	89125.8	99688.5	111069.5	123734.2	137261.7	150814.1	161266.9
55°	71781.3	78109.8	83768.1	89412.9	96149.6	104427.9	112836.0	123223.5	135214.7	147845.3	155687.3
52.5°	77167.9	83420.5	88272.0	93320.0	97829.1	102543.1	108279.8	115022.7	122836.2	130441.2	135147.7
50°	82489.9	87600.6	91791.0	95787.1	99409.3	101955.4	105030.6	108916.7	113606.5	117167.3	118720.3
47.5°	85176.5	90071.2	94213.8	97042.2	99229.0	100358.9	101481.5	103758.6	106442.2	106787.2	105916.8
45°	85234.4	89649.8	92935.6	94912.7	96090.0	96398.8	96798.3	98380.2	99913.5	98731.5	97273.7
42.5°	83881.3	87901.8	90566.6	92268.4	93129.4	93221.7	93566.3	95274.0	96098.2	94464.7	93302.9
40°	82922.2	86537.3	88677.1	90097.0	90639.5	90642.4	91038.1	92591.1	92813.8	91099.4	90233.0
37.5°	82406.5	85469.9	87225.0	88222.7	88441.7	88306.2	88625.2	89966.7	89316.1	87780.4	87208.0
35°	82087.9	84543.8	85867.6	86314.7	86347.2	86076.4	86414.9	87252.9	85913.2	84688.5	84213.3
32.5°	81116.1	83118.7	84134.3	84142.3	83961.5	83731.7	84265.0	84586.8	82653.0	81687.7	81386.0
30°	79336.8	81147.2	81963.9	81685.5	81208.6	81161.9	81862.8	81785.4	79673.7	78796.8	78627.1
27.5°	77008.9	78638.1	79199.2	78721.9	78123.8	78259.5	79271.7	78578.6	76536.8	75782.1	75397.6
25°	73833.8	75367.4	75617.0	75146.8	74944.2	75119.3	76322.0	75157.1	73198.0	72364.5	71974.6
22.5°	70009.7	71471.0	71871.0	71640.8	71742.7	72517.6	73632.1	72228.8	70532.4	69824.9	69320.2
20°	66006.3	67643.2	68278.6	68457.5	68970.7	70094.4	71430.6	69914.5	68682.9	68103.0	67614.3
17.5°	61930.8	63778.0	64813.0	65328.3	66304.6	67915.3	69234.7	67893.2	67106.6	66819.5	66540.0
15°	57809.0	59768.2	60919.0	61841.8	63139.1	65132.3	66393.4	65504.1	64968.3	64958.5	64841.9
12.5°	53419.2	55450.9	56753.0	57625.4	59144.7	61282.8	62552.0	61709.9	61578.6	61699.0	61734.9
10°	48859.1	50813.8	52022.9	52940.1	54421.7	56564.2	57805.4	56916.1	56944.0	57258.5	57443.8
7.5°	44031.0	45730.8	46889.4	47755.5	49204.6	51230.9	52426.7	51931.8	51823.4	51997.7	52258.6
5°	38742.5	40316.5	41328.6	42158.0	43614.3	45438.3	46471.7	46269.1	46467.0	46629.3	46778.3
2.5°	33043.3	34398.6	35338.1	36150.4	37476.9	39133.4	40224.1	40146.3	40380.2	40818.4	41179.8
0°	27223.1	28340.0	29136.0	29781.1	30942.9	32366.7	33513.6	33570.1	33878.7	34190.0	34496.6
-2.5°	22057.2	22835.3	23365.9	23861.0	24737.9	25772.1	26757.5	26830.1	27072.5	27386.8	27732.0
-5°	17997.0	18484.8	18909.9	19293.8	19916.9	20558.2	21082.6	21160.8	21327.9	21564.3	21800.7
-7.5°	15203.2	15626.4	15957.7	16422.7	16879.4	17332.4	17759.4	17915.6	18084.1	18280.2	18503.4
-10°	13501.7	13895.6	14378.0	14849.5	15293.2	15766.7	16243.8	16384.7	16615.3	16847.3	17079.7
-12.5°	12503.0	13012.7	13518.2	14018.7	14483.0	14964.4	15453.3	15767.8	16028.7	16299.9	16466.6
-15°	11929.7	12474.1	13015.0	13502.3	13925.2	14414.8	14998.0	15397.6	15686.7	15924.8	16102.0
-17.5°	11587.3	12101.4	12632.2	13116.5	13512.8	14014.5	14600.8	15007.3	15257.3	15500.5	15646.6
-20°	11370.9	11841.6	12323.1	12741.7	13100.6	13534.0	14073.5	14504.1	14778.9	15037.0	15188.3



REPORT NUMBER: P902090 (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°	11139.4	11537.9	11938.5	12283.6	12641.6	13082.3	13634.3	14042.5	14352.6	14563.9	14769.6
-25°	10833.9	11196.0	11578.1	11932.7	12260.1	12700.4	13192.4	13663.0	13937.9	14204.0	14419.7
-27.5°	10549.2	10945.8	11312.8	11624.0	11976.6	12369.3	12870.9	13350.5	13680.8	13964.4	14169.5
-30°	10248.5	10645.7	11044.8	11389.9	11717.3	12118.3	12626.4	13149.9	13518.6	13804.4	14019.3
-32.5°	9901.8	10311.9	10735.2	11126.4	11484.4	11898.4	12407.2	12952.5	13366.0	13653.1	13889.8
-35°	9555.2	9964.0	10412.8	10807.6	11207.2	11646.5	12146.6	12697.3	13157.0	13477.8	13751.0
-37.5°	9170.6	9590.0	10042.0	10450.7	10839.2	11259.3	11758.9	12346.5	12874.0	13206.8	13482.6
-40°	8700.8	9142.3	9592.8	10014.8	10400.6	10807.1	11301.8	11869.7	12415.3	12763.2	12995.9
-42.5°	8215.8	8673.1	9100.1	9528.9	9903.9	10329.7	10839.0	11364.4	11844.4	12178.4	12392.4
-45°	7681.9	8143.0	8591.1	8999.1	9416.5	9899.5	10450.7	10864.7	11248.1	11588.5	11848.7
-47.5°	7080.7	7538.0	7984.5	8401.5	8802.0	9310.8	9883.0	10312.6	10678.1	11087.0	11467.8
-50°	6399.8	6858.9	7296.6	7722.8	8168.9	8607.5	9109.8	9692.8	10320.3	11241.0	12182.9
-52.5°	5815.9	6216.9	6613.2	7024.9	7464.7	7875.8	8534.1	9638.9	11106.8	12740.1	14027.5
-55°	5276.0	5649.3	6019.5	6402.5	6843.0	7478.1	8783.0	10449.4	12080.4	13103.0	13312.1
-57.5°	4720.2	5108.9	5490.1	5898.9	6577.6	7772.0	9312.4	10289.3	10701.3	10688.0	10543.4
-60°	4185.0	4543.0	4922.3	5488.6	6573.5	8050.3	8879.3	8807.4	8711.6	8682.3	8784.1
-62.5°	3654.3	3961.0	4287.2	4930.2	6156.2	7228.3	7263.0	7130.1	7245.4	7441.6	7691.7
-65°	3189.6	3429.4	3691.4	4155.3	4955.9	5566.3	5709.7	5912.3	6151.3	6378.3	6619.4
-67.5°	2724.2	2931.6	3153.1	3418.1	3764.3	4153.6	4500.3	4856.6	5160.7	5391.7	5604.4
-70°	2275.6	2446.6	2625.0	2801.7	2959.3	3169.9	3440.9	3789.9	4161.2	4462.4	4709.1
-72.5°	1829.2	1980.2	2135.5	2290.9	2437.5	2573.1	2715.3	2910.5	3186.5	3509.5	3905.4
-75°	1436.3	1548.2	1666.8	1787.5	1910.3	2035.6	2153.4	2278.4	2435.4	2685.2	3045.1
-77.5°	1121.0	1185.5	1254.5	1327.3	1405.4	1495.7	1590.3	1677.9	1769.2	1868.7	2014.1
-80°	829.1	865.7	899.0	934.8	976.4	1026.4	1077.5	1126.2	1163.0	1199.0	1246.9
-82.5°	550.6	582.2	613.7	638.6	661.9	688.7	712.9	737.4	760.5	779.8	798.8
-85°	384.8	406.5	428.0	448.4	469.1	490.2	508.3	523.7	537.8	549.9	559.4
-87.5°	255.8	269.0	282.0	295.0	308.0	320.9	333.3	343.7	352.4	360.6	366.8
-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: P902090 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MNB

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°	85.8	86.7	87.9	87.8	87.9	86.7	85.8	81.8	79.2	77.5	74.6
85°	353.0	400.5	440.5	455.7	440.5	400.5	353.0	305.7	263.8	239.0	228.6
82.5°	1190.1	1361.3	1518.8	1589.9	1518.8	1361.3	1190.1	1010.2	844.6	716.7	674.2
80°	2810.5	3061.1	3247.8	3322.7	3247.8	3061.1	2810.5	2544.0	2297.6	2033.2	1869.8
77.5°	4936.5	5038.8	5126.2	5180.9	5126.2	5038.8	4936.5	4869.3	4763.1	4562.0	4240.3
75°	7968.3	7745.0	7603.4	7583.4	7603.4	7745.0	7968.3	8153.9	8114.5	7920.2	7651.0
72.5°	10987.7	10857.9	10756.5	10756.5	10756.5	10857.9	10987.7	11180.9	11440.8	11715.1	11918.4
70°	13409.3	12990.6	12922.3	12986.1	12922.3	12990.6	13409.3	14198.3	15313.3	16540.2	17643.4
67.5°	19245.2	17873.1	17057.7	16802.1	17057.7	17873.1	19245.2	20792.7	22725.5	25697.2	28701.3
65°	38397.1	35843.6	34059.7	33388.5	34059.7	35843.6	38397.1	41076.7	43920.1	47172.3	51040.0
62.5°	81694.5	79290.5	77218.4	76422.5	77218.4	79290.5	81694.5	83353.5	83775.2	83637.1	82043.8
60°	135497.7	136556.3	136272.7	135841.3	136272.7	136556.3	135497.7	132592.6	126882.5	119272.7	110328.0
57.5°	165413.1	166874.3	167313.8	167686.7	167313.8	166874.3	165413.1	161266.9	150814.1	137261.7	123734.2
55°	160380.8	163306.6	165037.1	165927.8	165037.1	163306.6	160380.8	155687.3	147845.3	135214.7	123223.5
52.5°	137835.7	140072.3	141305.4	141817.8	141305.4	140072.3	137835.7	135147.7	130441.2	122836.2	115022.7
50°	119740.5	120714.0	120769.3	121147.4	120769.3	120714.0	119740.5	118720.3	117167.3	113606.5	108916.7
47.5°	105779.3	105958.1	105694.6	105691.2	105694.6	105958.1	105779.3	105916.8	106787.2	106442.2	103758.6
45°	97007.5	96545.9	96003.2	95891.7	96003.2	96545.9	97007.5	97273.7	98731.5	99913.5	98380.2
42.5°	92840.3	92237.8	91586.9	91385.3	91586.9	92237.8	92840.3	93302.9	94464.7	96098.2	95274.0
40°	89733.9	89296.2	88820.8	89009.3	88820.8	89296.2	89733.9	90233.0	91099.4	92813.8	92591.1
37.5°	86820.1	86583.0	86287.6	86476.9	86287.6	86583.0	86820.1	87208.0	87780.4	89316.1	89966.7
35°	83914.9	83806.9	83710.4	83825.1	83710.4	83806.9	83914.9	84213.3	84688.5	85913.2	87252.9
32.5°	81173.0	81078.1	81075.2	81355.5	81075.2	81078.1	81173.0	81386.0	81687.7	82653.0	84586.8
30°	78361.8	78292.6	78281.6	78972.7	78281.6	78292.6	78361.8	78627.1	78796.8	79673.7	81785.4
27.5°	75101.6	75081.2	74970.5	75292.4	74970.5	75081.2	75101.6	75397.6	75782.1	76536.8	78578.6
25°	71522.4	71411.2	71368.8	71418.1	71368.8	71411.2	71522.4	71974.6	72364.5	73198.0	75157.1
22.5°	68892.5	68574.8	68534.2	68441.2	68534.2	68574.8	68892.5	69320.2	69824.9	70532.4	72228.8
20°	67211.5	66810.4	66746.6	66825.2	66746.6	66810.4	67211.5	67614.3	68103.0	68682.9	69914.5
17.5°	65997.1	65653.2	65517.8	65560.5	65517.8	65653.2	65997.1	66540.0	66819.5	67106.6	67893.2
15°	64344.6	63921.4	63665.2	63549.2	63665.2	63921.4	64344.6	64841.9	64958.5	64968.3	65504.1
12.5°	61490.9	61003.7	60708.9	60592.7	60708.9	61003.7	61490.9	61734.9	61699.0	61578.6	61709.9
10°	57279.4	56979.7	56500.8	56407.6	56500.8	56979.7	57279.4	57443.8	57258.5	56944.0	56916.1
7.5°	52063.3	51895.6	51566.0	51562.6	51566.0	51895.6	52063.3	52258.6	51997.7	51823.4	51931.8
5°	46765.2	46508.9	46383.9	46304.4	46383.9	46508.9	46765.2	46778.3	46629.3	46467.0	46269.1
2.5°	41108.2	40970.9	40780.1	40683.9	40780.1	40970.9	41108.2	41179.8	40818.4	40380.2	40146.3
0°	34618.3	34655.6	34660.0	34711.4	34660.0	34655.6	34618.3	34496.6	34190.0	33878.7	33570.1
-2.5°	27893.4	27961.7	27950.5	27950.2	27950.5	27961.7	27893.4	27732.0	27386.8	27072.5	26830.1
-5°	22009.1	22169.3	22113.4	22238.7	22113.4	22169.3	22009.1	21800.7	21564.3	21327.9	21160.8
-7.5°	18675.8	18819.5	18756.6	18906.8	18756.6	18819.5	18675.8	18503.4	18280.2	18084.1	17915.6
-10°	17247.0	17324.5	17348.0	17403.9	17348.0	17324.5	17247.0	17079.7	16847.3	16615.3	16384.7
-12.5°	16613.9	16725.9	16782.7	16848.0	16782.7	16725.9	16613.9	16466.6	16299.9	16028.7	15767.8
-15°	16219.3	16330.7	16394.4	16448.7	16394.4	16330.7	16219.3	16102.0	15924.8	15686.7	15397.6
-17.5°	15771.1	15888.0	15954.1	16003.0	15954.1	15888.0	15771.1	15646.6	15500.5	15257.3	15007.3
-20°	15316.6	15419.3	15489.3	15561.8	15489.3	15419.3	15316.6	15188.3	15037.0	14778.9	14504.1



REPORT NUMBER: P902090 (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°	14897.4	15015.6	15073.9	15143.5	15073.9	15015.6	14897.4	14769.6	14563.9	14352.6	14042.5
-25°	14551.0	14612.6	14708.0	14794.7	14708.0	14612.6	14551.0	14419.7	14204.0	13937.9	13663.0
-27.5°	14303.9	14384.4	14468.9	14580.6	14468.9	14384.4	14303.9	14169.5	13964.4	13680.8	13350.5
-30°	14157.6	14259.7	14364.3	14467.2	14364.3	14259.7	14157.6	14019.3	13804.4	13518.6	13149.9
-32.5°	14023.9	14140.0	14256.9	14380.4	14256.9	14140.0	14023.9	13889.8	13653.1	13366.0	12952.5
-35°	13899.5	14009.7	14126.5	14255.8	14126.5	14009.7	13899.5	13751.0	13477.8	13157.0	12697.3
-37.5°	13678.6	13799.3	13901.7	14008.5	13901.7	13799.3	13678.6	13482.6	13206.8	12874.0	12346.5
-40°	13128.4	13210.9	13286.6	13408.4	13286.6	13210.9	13128.4	12995.9	12763.2	12415.3	11869.7
-42.5°	12547.4	12616.0	12695.4	12776.7	12695.4	12616.0	12547.4	12392.4	12178.4	11844.4	11364.4
-45°	12051.0	12188.8	12276.2	12334.0	12276.2	12188.8	12051.0	11848.7	11588.5	11248.1	10864.7
-47.5°	11751.3	12053.6	12292.0	12450.3	12292.0	12053.6	11751.3	11467.8	11087.0	10678.1	10312.6
-50°	13098.9	13822.8	14404.3	14741.2	14404.3	13822.8	13098.9	12182.9	11241.0	10320.3	9692.8
-52.5°	14756.5	15142.7	15345.8	15527.3	15345.8	15142.7	14756.5	14027.5	12740.1	11106.8	9638.9
-55°	13266.6	13135.4	13062.6	13142.3	13062.6	13135.4	13266.6	13312.1	13103.0	12080.4	10449.4
-57.5°	10572.9	10625.0	10738.0	10821.9	10738.0	10625.0	10572.9	10543.4	10688.0	10701.3	10289.3
-60°	9027.7	9279.5	9517.8	9700.8	9517.8	9279.5	9027.7	8784.1	8682.3	8711.6	8807.4
-62.5°	8009.1	8314.9	8554.6	8632.1	8554.6	8314.9	8009.1	7691.7	7441.6	7245.4	7130.1
-65°	6898.7	7173.3	7365.5	7455.3	7365.5	7173.3	6898.7	6619.4	6378.3	6151.3	5912.3
-67.5°	5840.7	6086.3	6292.3	6386.5	6292.3	6086.3	5840.7	5604.4	5391.7	5160.7	4856.6
-70°	4989.8	5289.4	5515.4	5612.0	5515.4	5289.4	4989.8	4709.1	4462.4	4161.2	3789.9
-72.5°	4327.6	4747.7	5129.4	5326.0	5129.4	4747.7	4327.6	3905.4	3509.5	3186.5	2910.5
-75°	3419.4	3731.3	4140.0	4416.8	4140.0	3731.3	3419.4	3045.1	2685.2	2435.4	2278.4
-77.5°	2249.3	2530.9	2799.2	2916.1	2799.2	2530.9	2249.3	2014.1	1868.7	1769.2	1677.9
-80°	1369.2	1527.4	1615.6	1629.6	1615.6	1527.4	1369.2	1246.9	1199.0	1163.0	1126.2
-82.5°	830.0	864.7	890.3	897.1	890.3	864.7	830.0	798.8	779.8	760.5	737.4
-85°	570.1	577.7	581.5	583.1	581.5	577.7	570.1	559.4	549.9	537.8	523.7
-87.5°	373.0	376.5	379.4	380.2	379.4	376.5	373.0	366.8	360.6	352.4	343.7
-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°	73.0	71.4	69.5	67.2	64.6	61.9	58.9	55.9	55.7	53.6	53.1
85°	224.6	221.9	215.5	205.1	192.6	180.2	168.8	159.5	154.8	149.7	143.9
82.5°	691.1	713.1	698.8	627.3	534.6	437.0	389.7	357.5	337.1	323.5	306.8
80°	1877.6	1949.0	1919.6	1770.4	1518.9	1159.3	874.8	737.3	665.5	607.0	562.3
77.5°	3963.0	3822.5	3721.9	3555.3	3248.9	2748.6	2138.8	1587.1	1241.3	1036.5	933.6
75°	7239.7	6660.2	6164.5	5721.7	5181.2	4527.6	3835.2	3006.0	2205.1	1720.3	1514.4
72.5°	11796.4	11161.3	10081.0	8869.6	7654.9	6527.1	5548.9	4637.6	3700.9	2952.5	2510.8
70°	18254.8	18031.1	16464.0	14228.9	11817.8	9960.8	8295.1	6958.8	5948.7	4947.2	4179.9
67.5°	30812.6	31016.5	28826.3	24837.4	20538.9	17027.6	14065.2	11447.2	9463.0	7661.6	6255.1
65°	52449.6	49787.0	44073.0	37294.9	31364.8	27098.1	23541.4	19970.7	15846.3	11268.9	8442.3
62.5°	77088.5	68669.3	58983.4	50321.4	44107.4	39330.9	35333.6	31823.3	26198.2	19078.5	13654.0
60°	99395.3	86623.5	75290.6	66329.4	59839.0	54214.1	49368.5	44684.2	38660.7	30752.9	21854.6
57.5°	111069.5	99688.5	89125.8	80741.1	74316.7	68315.9	61534.7	55056.9	48892.9	40756.3	31290.8
55°	112836.0	104427.9	96149.6	89412.9	83768.1	78109.8	71781.3	62748.2	55191.6	47142.6	38916.1
52.5°	108279.8	102543.1	97829.1	93320.0	88272.0	83420.5	77167.9	68535.3	59253.1	50892.8	42568.0
50°	105030.6	101955.4	99409.3	95787.1	91791.0	87600.6	82489.9	73866.7	63585.9	53863.4	45475.8
47.5°	101481.5	100358.9	99229.0	97042.2	94213.8	90071.2	85176.5	77549.2	66845.7	56180.3	47474.2
45°	96798.3	96398.8	96090.0	94912.7	92935.6	89649.8	85234.4	78816.8	68576.4	57562.1	48249.5
42.5°	93566.3	93221.7	93129.4	92268.4	90566.6	87901.8	83881.3	78030.0	69461.8	58767.9	48951.5
40°	91038.1	90642.4	90639.5	90097.0	88677.1	86537.3	82922.2	77619.0	69830.8	59792.9	49751.1
37.5°	88625.2	88306.2	88441.7	88222.7	87225.0	85469.9	82406.5	77450.4	70362.8	61139.0	50744.6
35°	86414.9	86076.4	86347.2	86314.7	85867.6	84543.8	82087.9	77457.4	70909.4	62249.4	51945.5
32.5°	84265.0	83731.7	83961.5	84142.3	84134.3	83118.7	81116.1	77337.1	71283.0	63081.1	53008.7
30°	81862.8	81161.9	81208.6	81685.5	81963.9	81147.2	79336.8	76364.6	70857.1	63306.1	53731.6
27.5°	79271.7	78259.5	78123.8	78721.9	79199.2	78638.1	77008.9	74522.5	69706.7	62680.3	53572.0
25°	76322.0	75119.3	74944.2	75146.8	75617.0	75367.4	73833.8	71849.2	67788.7	61384.8	52828.3
22.5°	73632.1	72517.6	71742.7	71640.8	71871.0	71471.0	70009.7	67948.3	64487.6	58816.8	51099.3
20°	71430.6	70094.4	68970.7	68457.5	68278.6	67643.2	66006.3	63890.8	60907.5	55918.1	49019.1
17.5°	69234.7	67915.3	66304.6	65328.3	64813.0	63778.0	61930.8	59684.0	56852.4	52506.9	46465.9
15°	66393.4	65132.3	63139.1	61841.8	60919.0	59768.2	57809.0	55444.1	52982.0	49045.6	43611.2
12.5°	62552.0	61282.8	59144.7	57625.4	56753.0	55450.9	53419.2	51160.1	48868.7	45440.8	40609.6
10°	57805.4	56564.2	54421.7	52940.1	52022.9	50813.8	48859.1	46688.7	44555.0	41430.8	37232.1
7.5°	52426.7	51230.9	49204.6	47755.5	46889.4	45730.8	44031.0	42033.6	40039.7	37196.4	33444.7
5°	46471.7	45438.3	43614.3	42158.0	41328.6	40316.5	38742.5	36932.2	35119.4	32575.5	29283.0
2.5°	40224.1	39133.4	37476.9	36150.4	35338.1	34398.6	33043.3	31494.1	29894.8	27784.4	25011.7
0°	33513.6	32366.7	30942.9	29781.1	29136.0	28340.0	27223.1	25946.1	24603.2	22955.2	20814.8
-2.5°	26757.5	25772.1	24737.9	23861.0	23365.9	22835.3	22057.2	21129.2	20173.9	18900.6	17255.1
-5°	21082.6	20558.2	19916.9	19293.8	18909.9	18484.8	17997.0	17386.9	16698.9	15756.9	14522.4
-7.5°	17759.4	17332.4	16879.4	16422.7	15957.7	15626.4	15203.2	14693.1	14180.2	13457.5	12501.3
-10°	16243.8	15766.7	15293.2	14849.5	14378.0	13895.6	13501.7	12985.5	12497.4	11889.3	11148.2
-12.5°	15453.3	14964.4	14483.0	14018.7	13518.2	13012.7	12503.0	12014.5	11484.3	10903.9	10261.0
-15°	14998.0	14414.8	13925.2	13502.3	13015.0	12474.1	11929.7	11431.0	10907.4	10330.3	9712.1
-17.5°	14600.8	14014.5	13512.8	13116.5	12632.2	12101.4	11587.3	11097.6	10560.4	9970.2	9315.2
-20°	14073.5	13534.0	13100.6	12741.7	12323.1	11841.6	11370.9	10875.1	10340.9	9730.2	9042.9



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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°	13634.3	13082.3	12641.6	12283.6	11938.5	11537.9	11139.4	10672.2	10144.9	9500.5	8817.2
-25°	13192.4	12700.4	12260.1	11932.7	11578.1	11196.0	10833.9	10393.0	9899.7	9302.5	8580.5
-27.5°	12870.9	12369.3	11976.6	11624.0	11312.8	10945.8	10549.2	10084.7	9598.4	8997.4	8302.2
-30°	12626.4	12118.3	11717.3	11389.9	11044.8	10645.7	10248.5	9791.3	9291.5	8674.0	8005.9
-32.5°	12407.2	11898.4	11484.4	11126.4	10735.2	10311.9	9901.8	9512.4	8963.0	8345.9	7696.0
-35°	12146.6	11646.5	11207.2	10807.6	10412.8	9964.0	9555.2	9156.7	8634.4	8003.1	7354.3
-37.5°	11758.9	11259.3	10839.2	10450.7	10042.0	9590.0	9170.6	8751.2	8249.1	7627.7	6971.4
-40°	11301.8	10807.1	10400.6	10014.8	9592.8	9142.3	8700.8	8266.3	7785.8	7146.2	6568.5
-42.5°	10839.0	10329.7	9903.9	9528.9	9100.1	8673.1	8215.8	7749.2	7223.7	6677.5	6125.4
-45°	10450.7	9899.5	9416.5	8999.1	8591.1	8143.0	7681.9	7201.1	6718.3	6198.3	5649.6
-47.5°	9883.0	9310.8	8802.0	8401.5	7984.5	7538.0	7080.7	6604.4	6134.5	5629.7	5140.7
-50°	9109.8	8607.5	8168.9	7722.8	7296.6	6858.9	6399.8	5987.1	5519.1	5090.1	4650.7
-52.5°	8534.1	7875.8	7464.7	7024.9	6613.2	6216.9	5815.9	5437.6	5004.6	4580.2	4194.5
-55°	8783.0	7478.1	6843.0	6402.5	6019.5	5649.3	5276.0	4893.8	4494.9	4113.1	3768.0
-57.5°	9312.4	7772.0	6577.6	5898.9	5490.1	5108.9	4720.2	4350.0	4002.5	3677.2	3382.3
-60°	8879.3	8050.3	6573.5	5488.6	4922.3	4543.0	4185.0	3853.5	3556.6	3278.3	3009.6
-62.5°	7263.0	7228.3	6156.2	4930.2	4287.2	3961.0	3654.3	3384.0	3130.9	2882.1	2634.9
-65°	5709.7	5566.3	4955.9	4155.3	3691.4	3429.4	3189.6	2947.6	2720.4	2492.8	2271.8
-67.5°	4500.3	4153.6	3764.3	3418.1	3153.1	2931.6	2724.2	2523.7	2327.0	2131.2	1933.4
-70°	3440.9	3169.9	2959.3	2801.7	2625.0	2446.6	2275.6	2105.9	1937.0	1776.4	1613.7
-72.5°	2715.3	2573.1	2437.5	2290.9	2135.5	1980.2	1829.2	1688.1	1566.7	1452.7	1336.7
-75°	2153.4	2035.6	1910.3	1787.5	1666.8	1548.2	1436.3	1339.6	1256.7	1174.3	1088.8
-77.5°	1590.3	1495.7	1405.4	1327.3	1254.5	1185.5	1121.0	1059.1	999.1	941.6	881.5
-80°	1077.5	1026.4	976.4	934.8	899.0	865.7	829.1	797.5	762.5	721.8	679.3
-82.5°	712.9	688.7	661.9	638.6	613.7	582.2	550.6	525.4	511.3	492.4	474.1
-85°	508.3	490.2	469.1	448.4	428.0	406.5	384.8	363.4	342.3	321.3	303.3
-87.5°	333.3	320.9	308.0	295.0	282.0	269.0	255.8	238.2	221.2	201.1	183.3
-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):

	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°	50.8	49.7	47.1	44.4	42.8	40.9	37.8	35.6	34.0	31.1	28.0
85°	137.0	130.3	123.0	114.0	105.0	96.0	85.0	74.7	67.9	62.2	56.1
82.5°	287.9	267.1	243.1	216.0	187.2	172.6	158.3	143.5	128.8	110.8	91.5
80°	518.4	474.1	420.7	380.0	343.3	306.8	266.9	224.7	192.3	168.2	141.6
77.5°	852.5	757.2	695.8	616.3	536.0	465.7	407.6	355.5	299.7	239.1	191.2
75°	1348.0	1230.4	1076.3	904.7	761.0	670.1	583.2	494.8	417.4	342.8	264.6
72.5°	2262.1	1957.2	1564.8	1241.0	1040.4	890.5	766.9	656.2	549.0	444.7	350.7
70°	3636.6	2893.0	2141.7	1650.5	1329.7	1119.1	962.5	817.9	686.2	562.5	435.1
67.5°	5093.9	3928.9	2832.6	2071.0	1621.5	1362.2	1155.5	985.0	827.8	681.1	535.7
65°	6569.8	4868.1	3504.8	2481.7	1929.5	1599.2	1356.7	1151.0	974.8	804.3	637.1
62.5°	8728.1	6297.1	4295.8	2998.2	2255.7	1839.0	1551.7	1318.3	1120.5	935.6	736.3
60°	14149.3	9162.0	5394.0	3608.5	2609.0	2091.1	1747.7	1487.1	1270.8	1065.2	850.4
57.5°	21860.8	13414.6	7918.6	4217.6	3018.6	2358.0	1953.5	1664.2	1420.2	1198.0	962.6
55°	28765.8	19146.1	10976.1	5713.8	3372.3	2648.2	2178.2	1838.7	1580.4	1331.3	1070.8
52.5°	34222.3	24509.4	14719.7	7583.1	4145.8	2944.7	2408.7	2042.0	1740.6	1463.7	1183.8
50°	37739.9	29282.4	19375.2	10150.8	4964.2	3359.7	2674.1	2240.0	1904.2	1602.9	1294.4
47.5°	39765.7	32352.4	23561.7	13512.1	6396.7	3726.9	2932.3	2451.2	2073.7	1737.8	1401.5
45°	40742.2	33698.1	26025.4	16804.7	8021.4	4385.3	3224.0	2654.8	2235.3	1862.0	1507.4
42.5°	41091.0	34461.2	27568.6	18966.9	10274.9	4986.1	3491.8	2853.0	2397.7	1991.7	1603.6
40°	41514.3	34905.6	28580.7	20974.4	11954.3	5994.7	3878.8	3080.6	2554.9	2114.4	1691.4
37.5°	42095.8	35316.9	29084.9	22009.5	13841.0	7053.4	4171.4	3287.7	2693.1	2229.6	1771.6
35°	42674.5	35516.1	29484.7	23013.0	15148.1	7871.0	4553.1	3492.3	2835.1	2324.1	1848.7
32.5°	43261.1	35598.6	29452.2	23347.1	16117.6	8971.5	5027.1	3688.1	2981.2	2413.1	1916.9
30°	43440.1	35365.8	29280.3	23610.0	16814.7	9683.7	5267.6	3849.0	3102.0	2493.6	1975.7
27.5°	43469.1	35187.6	28986.7	23513.3	17157.1	10092.0	5525.0	3982.1	3208.1	2565.2	2028.5
25°	42939.4	34570.1	28477.1	23243.7	17251.1	10567.1	5845.2	4140.6	3311.3	2632.7	2074.8
22.5°	41941.0	33786.4	27798.8	22881.2	17179.1	10651.3	6031.3	4230.0	3404.2	2706.8	2121.6
20°	40604.5	32770.8	26894.2	22066.4	16732.5	10547.4	5952.4	4304.9	3478.2	2770.0	2165.7
17.5°	38891.8	31295.4	25634.3	21007.9	15973.3	10252.3	5983.6	4355.8	3533.1	2821.2	2202.6
15°	36766.5	29673.9	24076.7	19714.6	15024.6	9856.9	5999.4	4397.5	3569.6	2859.4	2234.4
12.5°	34362.1	27818.9	22419.0	18161.5	13829.6	9242.3	5954.9	4427.6	3589.2	2888.5	2261.1
10°	31638.5	25644.1	20543.1	16470.3	12548.6	8591.5	5777.3	4414.7	3602.9	2908.6	2279.5
7.5°	28580.1	23235.1	18585.6	14741.7	11154.8	7900.5	5612.1	4382.1	3601.8	2917.4	2290.2
5°	25210.0	20678.6	16615.0	13164.1	10011.1	7254.5	5389.8	4329.2	3592.3	2919.2	2294.0
2.5°	21733.1	18071.9	14672.7	11675.2	8996.1	6746.3	5261.4	4291.9	3578.5	2911.8	2289.5
0°	18305.0	15530.6	12798.0	10306.6	8077.2	6264.9	5112.7	4238.7	3551.4	2894.3	2277.0
-2.5°	15417.7	13385.4	11294.0	9269.8	7468.4	5993.7	5006.2	4202.1	3524.6	2860.2	2247.3
-5°	13193.9	11683.7	10071.8	8424.4	6943.8	5741.5	4887.7	4152.5	3485.5	2816.1	2210.0
-7.5°	11545.1	10385.6	9101.9	7769.4	6557.8	5577.0	4805.4	4106.0	3434.4	2762.2	2165.2
-10°	10372.9	9417.6	8355.7	7314.4	6277.7	5432.5	4713.9	4048.7	3370.0	2698.9	2113.8
-12.5°	9555.9	8718.0	7866.9	6961.6	6055.8	5303.1	4613.1	3975.0	3291.3	2625.5	2056.0
-15°	9001.2	8236.4	7488.5	6683.5	5886.3	5175.2	4499.2	3890.1	3200.9	2548.0	1992.0
-17.5°	8628.8	7900.7	7191.5	6464.2	5720.1	5041.5	4381.4	3784.4	3098.9	2469.0	1929.9
-20°	8341.6	7632.0	6951.7	6265.9	5546.8	4895.9	4258.3	3662.0	2996.6	2381.9	1868.2



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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°	8098.9	7387.1	6727.3	6074.3	5391.7	4740.2	4136.0	3531.5	2893.5	2297.2	1800.9
-25°	7847.5	7158.1	6505.6	5874.5	5233.5	4595.4	3996.0	3402.4	2783.0	2213.8	1734.1
-27.5°	7616.6	6937.0	6292.7	5661.7	5053.6	4427.8	3849.6	3269.4	2677.5	2135.5	1676.2
-30°	7350.8	6688.9	6069.5	5449.0	4860.4	4249.4	3694.3	3134.5	2572.9	2055.9	1613.0
-32.5°	7052.2	6445.3	5821.0	5229.4	4649.6	4074.7	3536.2	2990.9	2460.9	1973.7	1544.6
-35°	6732.9	6170.7	5564.7	4980.3	4433.4	3889.1	3368.1	2838.1	2336.9	1883.9	1472.3
-37.5°	6404.8	5841.3	5271.6	4714.3	4193.0	3680.6	3186.2	2681.6	2213.4	1791.6	1399.4
-40°	6021.7	5479.5	4945.6	4441.0	3949.0	3459.9	2984.3	2517.0	2088.5	1691.2	1325.3
-42.5°	5602.2	5081.8	4588.4	4113.3	3661.4	3216.6	2770.5	2339.5	1946.9	1583.8	1245.2
-45°	5139.7	4650.6	4197.8	3768.5	3360.2	2959.6	2550.1	2158.2	1801.1	1469.9	1158.9
-47.5°	4670.2	4229.7	3822.5	3450.1	3067.0	2694.3	2316.5	1972.2	1655.7	1359.7	1068.5
-50°	4208.1	3860.6	3483.5	3130.3	2779.5	2434.8	2101.7	1785.8	1503.5	1239.6	980.0
-52.5°	3837.4	3503.9	3160.1	2830.9	2501.9	2183.6	1891.3	1617.1	1362.5	1117.6	888.8
-55°	3463.9	3155.2	2847.6	2537.2	2227.5	1959.1	1700.8	1449.1	1227.2	1010.5	796.8
-57.5°	3102.0	2817.4	2528.6	2241.7	1982.7	1742.5	1518.0	1303.7	1094.1	902.7	718.4
-60°	2744.2	2476.2	2210.8	1967.4	1742.0	1541.1	1349.3	1157.1	975.4	798.1	638.8
-62.5°	2382.4	2149.0	1915.4	1708.9	1518.6	1352.8	1187.6	1022.3	855.9	709.5	559.0
-65°	2052.8	1845.5	1656.9	1469.9	1319.8	1174.3	1036.9	888.8	752.1	619.5	500.3
-67.5°	1752.5	1581.4	1423.9	1277.6	1138.4	1017.9	891.1	770.4	650.7	540.5	439.8
-70°	1477.7	1344.3	1211.3	1093.6	977.6	868.1	765.5	657.7	559.0	468.0	379.2
-72.5°	1228.4	1125.9	1022.7	919.6	829.3	737.8	643.0	559.8	476.3	395.9	328.3
-75°	1001.9	928.0	851.7	773.0	692.9	617.8	543.2	467.7	398.2	336.6	276.4
-77.5°	819.4	757.0	696.4	636.2	573.4	509.0	445.7	386.0	330.1	276.5	226.7
-80°	638.1	598.0	554.1	503.3	453.6	407.2	357.3	307.5	262.0	220.4	181.3
-82.5°	448.5	418.9	387.5	358.8	333.0	304.7	267.3	230.7	197.4	165.4	135.2
-85°	285.4	270.2	254.5	237.0	218.5	197.6	175.6	153.5	131.9	110.1	90.0
-87.5°	165.9	150.5	135.6	120.0	107.5	96.6	87.2	76.9	66.1	55.2	45.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	24.7	21.2	17.0	12.8	8.5	4.3	0.0
85°	49.5	42.3	33.9	25.5	17.0	8.5	0.0
82.5°	74.1	63.4	50.8	38.2	25.5	12.8	0.0
80°	113.8	87.6	67.6	50.8	33.9	17.0	0.0
77.5°	154.7	119.7	87.1	63.4	42.3	21.2	0.0
75°	194.9	151.4	111.1	75.8	50.6	25.3	0.0
72.5°	257.8	182.4	134.6	91.1	58.8	29.4	0.0
70°	327.1	224.5	157.5	106.9	66.9	33.5	0.0
67.5°	394.6	277.8	179.7	122.2	74.8	37.4	0.0
65°	469.4	329.4	210.1	137.0	83.3	41.4	0.0
62.5°	552.6	379.2	247.5	151.3	92.2	45.2	0.0
60°	633.3	435.1	283.4	165.1	100.7	48.9	0.0
57.5°	711.4	499.0	317.8	179.0	108.9	52.6	0.0
55°	804.4	560.5	350.5	201.8	116.9	56.1	0.0
52.5°	893.7	619.5	384.1	223.4	124.4	59.6	0.0
50°	979.4	673.6	426.3	243.5	131.7	62.9	0.0
47.5°	1061.9	737.6	465.4	262.3	138.5	66.1	0.0
45°	1144.9	797.1	500.6	279.7	144.9	69.2	0.0
42.5°	1222.8	852.0	532.7	295.5	151.0	72.2	0.0
40°	1291.5	902.2	561.6	310.0	156.6	75.0	0.0
37.5°	1349.5	947.5	587.4	322.9	161.8	77.6	0.0
35°	1403.0	988.8	615.9	339.3	169.2	80.2	0.0
32.5°	1451.8	1025.4	643.6	355.9	176.9	82.6	0.0
30°	1494.7	1057.2	667.8	370.5	183.7	84.9	0.0
27.5°	1532.1	1084.2	689.8	383.2	190.2	87.0	0.0
25°	1564.9	1106.5	708.6	394.0	196.0	88.9	0.0
22.5°	1593.0	1125.4	724.2	403.0	201.1	90.6	0.0
20°	1618.2	1143.3	736.5	410.0	205.5	92.1	0.0
17.5°	1646.5	1157.0	745.5	417.1	209.2	93.5	0.0
15°	1671.5	1168.6	751.4	423.1	212.3	94.6	0.0
12.5°	1690.4	1178.1	757.6	427.5	214.6	95.6	0.0
10°	1703.1	1185.7	762.1	430.3	216.4	96.4	0.0
7.5°	1712.8	1190.9	763.6	431.5	217.4	97.0	0.0
5°	1716.9	1191.4	762.3	431.1	217.8	97.4	0.0
2.5°	1714.4	1187.1	758.2	429.2	217.6	97.6	0.0
0°	1705.4	1178.0	751.4	425.9	216.8	97.6	0.0
-2.5°	1686.0	1168.7	747.6	425.2	217.0	97.6	0.0
-5°	1660.4	1154.7	741.2	423.1	216.6	97.5	0.0
-7.5°	1629.0	1136.3	732.4	419.6	215.7	97.1	0.0
-10°	1592.7	1113.5	721.0	414.9	214.1	96.6	0.0
-12.5°	1553.0	1088.9	707.4	408.8	212.0	95.9	0.0
-15°	1508.6	1063.2	692.4	401.4	209.3	95.0	0.0
-17.5°	1460.0	1036.7	678.0	392.8	206.0	93.9	0.0
-20°	1410.6	1009.3	661.3	383.4	202.1	92.6	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1366.0	978.8	642.2	374.0	197.7	91.2	0.0
-25°	1319.8	947.1	621.0	363.3	192.8	89.5	0.0
-27.5°	1270.2	913.2	597.6	351.4	187.3	87.7	0.0
-30°	1218.8	876.4	572.2	338.2	181.2	85.7	0.0
-32.5°	1167.6	836.8	545.4	323.9	175.1	83.6	0.0
-35°	1111.9	794.5	516.5	308.4	168.4	81.2	0.0
-37.5°	1054.4	751.6	488.3	293.5	161.8	78.7	0.0
-40°	997.1	710.0	464.9	281.9	156.9	76.1	0.0
-42.5°	935.7	665.5	439.9	269.6	151.6	73.3	0.0
-45°	870.2	618.4	413.4	256.4	145.9	70.3	0.0
-47.5°	800.4	568.7	385.6	242.6	139.9	67.2	0.0
-50°	736.5	516.7	356.3	227.9	133.6	64.0	0.0
-52.5°	671.7	478.9	325.9	212.5	126.9	60.7	0.0
-55°	604.8	440.3	302.4	196.5	120.0	57.2	0.0
-57.5°	536.5	400.5	280.0	179.8	112.7	53.6	0.0
-60°	488.3	359.5	256.7	167.6	105.1	49.9	0.0
-62.5°	439.0	323.8	232.6	155.3	97.3	46.1	0.0
-65°	388.7	292.3	207.7	142.6	89.3	42.2	0.0
-67.5°	343.3	259.7	185.3	129.4	81.0	38.2	0.0
-70°	302.0	226.3	165.8	115.8	72.5	34.2	0.0
-72.5°	259.4	196.0	145.7	101.8	63.9	30.1	0.0
-75°	217.8	168.5	125.0	87.6	55.1	25.9	0.0
-77.5°	181.6	140.4	103.8	73.4	46.1	21.7	0.0
-80°	144.5	111.7	83.1	58.9	37.0	17.4	0.0
-82.5°	107.1	83.8	62.5	44.4	27.9	13.1	0.0
-85°	71.6	56.0	41.8	29.6	18.6	8.7	0.0
-87.5°	35.9	28.1	20.9	14.8	9.3	4.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)