

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: P902134 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-S8-ZVP418L**

Issue Date: 11/14/2024

Test Information

Test Method: LM-79-08
Report Number: P902134 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVA2006027)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-S8-ZVP418L
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND S8-ZVP418L OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

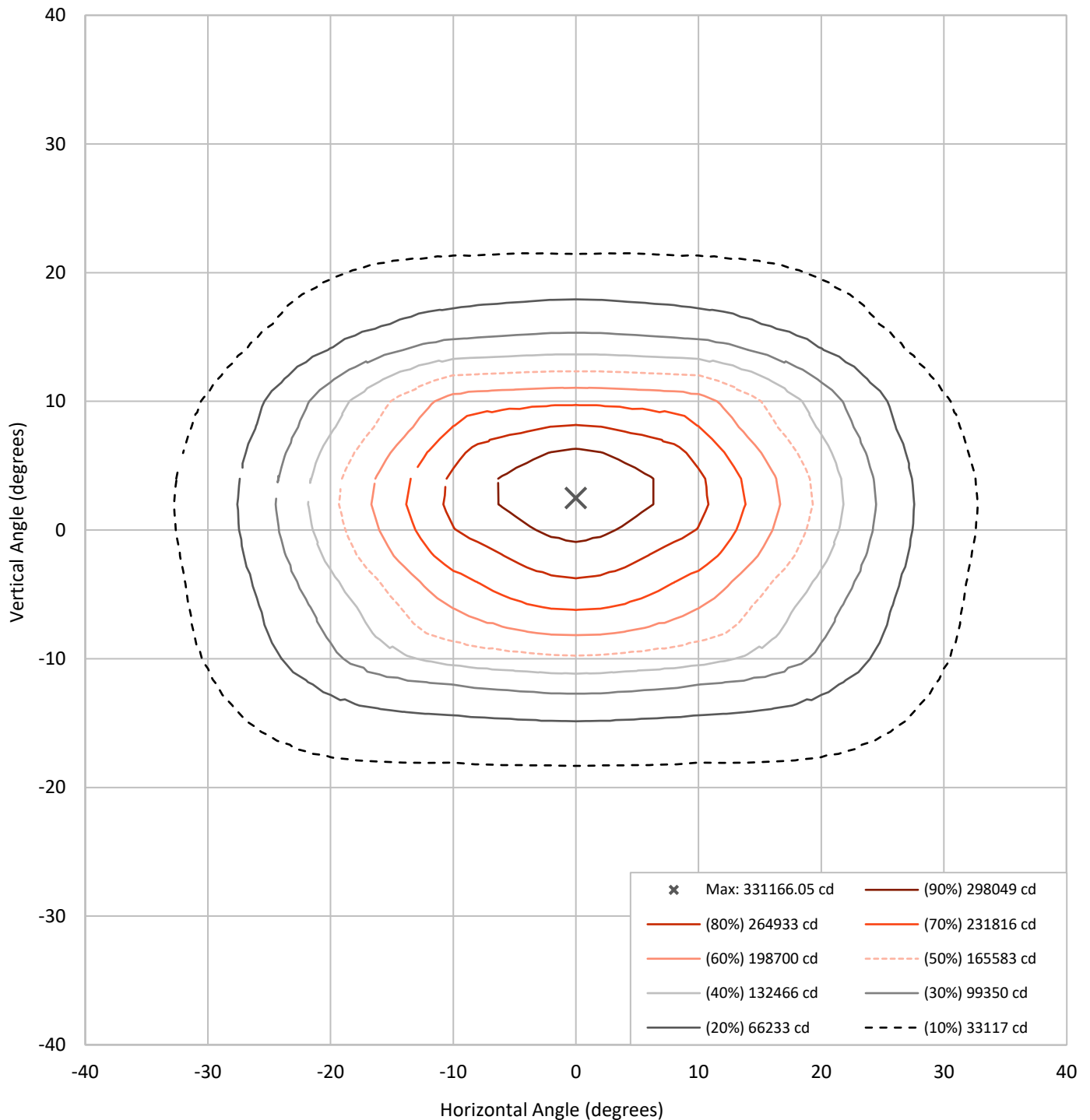
Lumens per Lamp:	N/A	NEMA Type:	4H x 3V
Luminaire Lumens:	102834.9 lumens	Max Intensity:	331166 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 2.5°V
Efficacy:	72.8 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		

Beam Angle (50%):	38.9°H x 22.1°V	Field Angle (10%):	65.2°H x 39.8°V
Beam Lumens:	50576.2 lumens	Field Lumens:	85476.5 lumens
Beam Efficiency:	49.2%	Field Efficiency:	83.1%

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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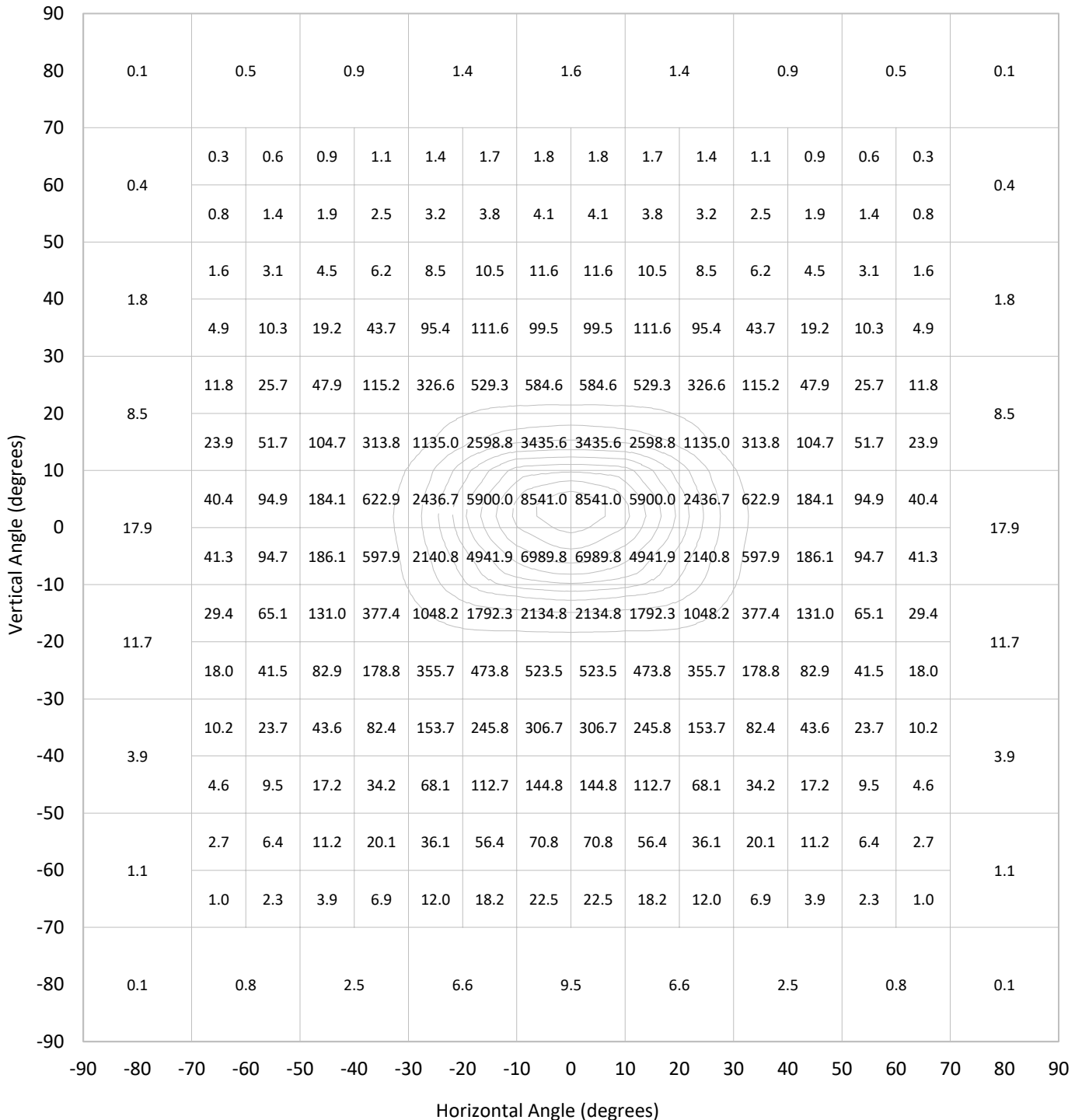
Iso-Candela Plot





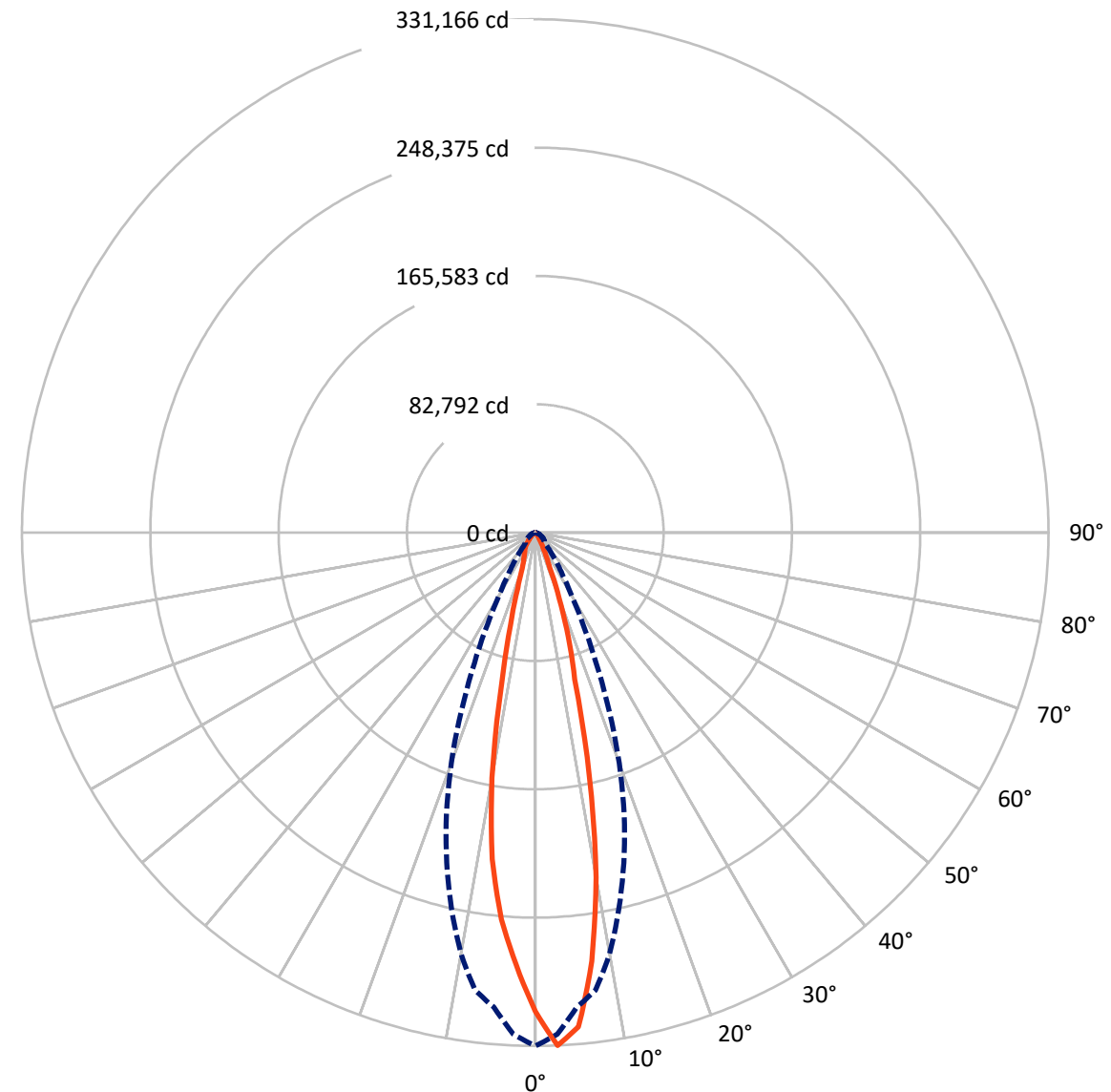
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Lumen Table



REPORT NUMBER: P902134 (CONVERTED FROM TYPE C PHOTOMETRY)
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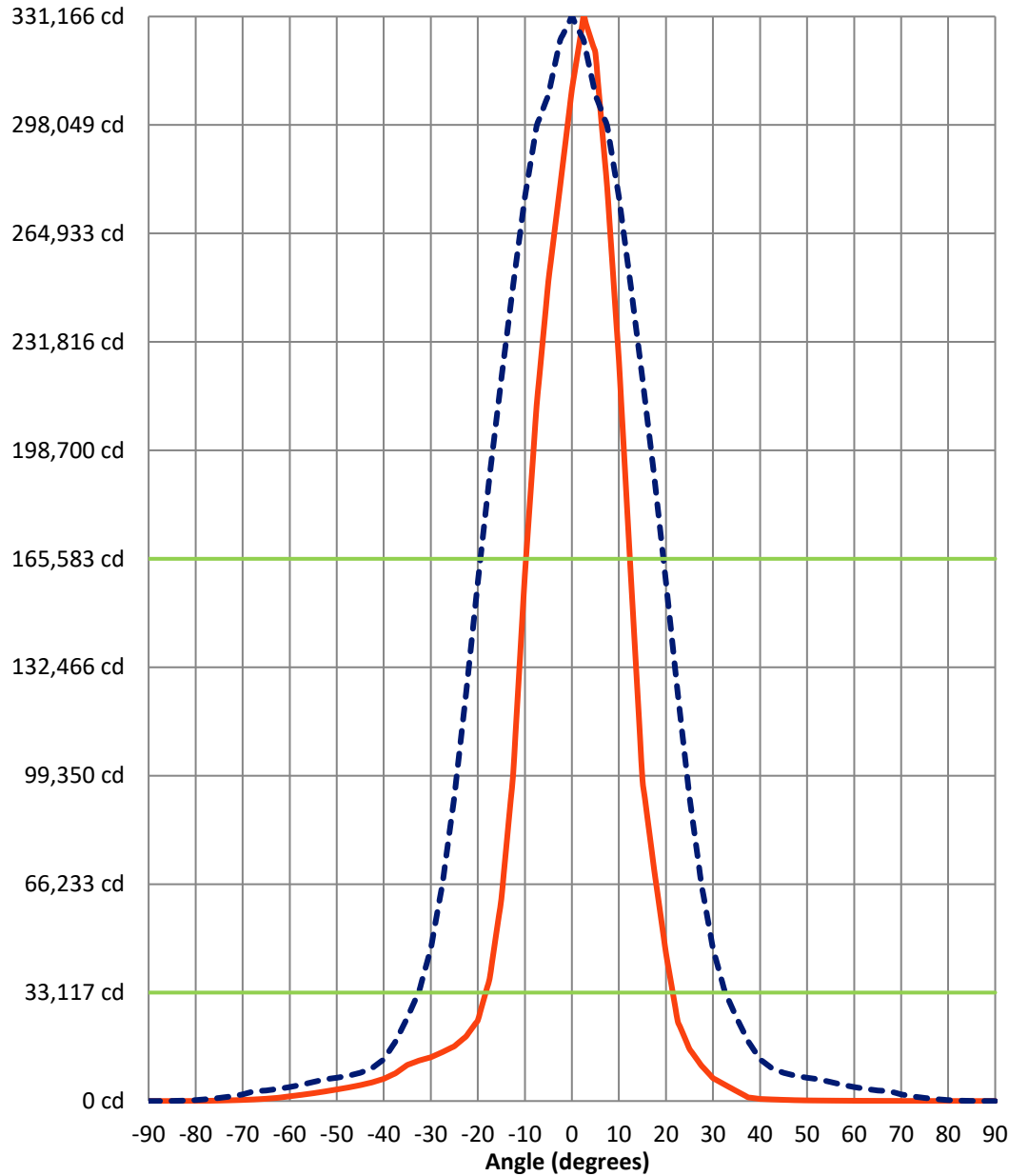
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 2.5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 38.9°
 V Angle: 22.1°
 Lumens: 50576.2
 Efficiency: 49.2%

Field:
 H Angle: 65.2°
 V Angle: 39.8°
 Lumens: 85476.5
 Efficiency: 83.1%

Spill:
 Lumens: 17358.4
 Efficiency: 16.9%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 2.5-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	0.3	0.6	0.9	0.8	1.0	1.2	1.4	1.5	1.7	1.9
85°	0.0	0.6	1.2	1.8	1.6	1.9	2.3	2.7	3.1	3.4	3.7
82.5°	0.0	0.9	1.8	2.7	2.4	2.9	3.5	4.1	4.2	4.4	4.7
80°	0.0	1.2	2.4	3.6	3.2	3.9	4.7	5.4	5.1	5.3	5.9
77.5°	0.0	1.5	3.0	4.5	4.1	4.9	5.8	6.8	6.4	7.0	7.7
75°	0.0	1.8	3.6	5.3	4.9	5.8	7.0	8.2	8.6	9.0	9.9
72.5°	0.0	2.1	4.1	5.9	5.8	6.8	8.6	9.8	10.7	11.5	12.7
70°	0.0	2.4	4.7	6.5	6.6	8.0	10.2	11.4	13.2	14.2	15.9
67.5°	0.0	2.6	5.3	7.1	7.5	9.6	11.8	14.0	15.9	17.6	20.1
65°	0.0	2.9	5.7	7.6	8.8	11.2	13.9	16.8	19.3	21.9	25.2
62.5°	0.0	3.2	6.2	8.1	10.5	12.9	16.4	19.5	23.7	26.7	31.7
60°	0.0	3.4	6.6	8.6	12.3	15.0	18.9	23.9	28.3	33.5	38.8
57.5°	0.0	3.7	7.1	9.2	14.1	17.7	21.6	28.4	34.7	40.7	47.5
55°	0.0	3.9	7.6	10.9	15.9	20.4	25.9	33.1	41.6	49.6	56.6
52.5°	0.0	4.2	8.1	12.6	18.1	23.2	30.7	39.9	48.8	59.3	68.8
50°	0.0	4.4	8.7	14.4	21.2	26.8	35.7	47.6	59.8	70.9	82.8
47.5°	0.0	4.6	9.3	16.2	24.7	32.7	41.5	56.0	71.9	87.4	101.2
45°	0.0	4.9	9.9	18.1	29.0	39.3	51.7	67.6	87.2	105.7	122.4
42.5°	0.0	5.1	10.5	20.1	34.0	46.8	63.0	87.4	111.6	129.9	146.3
40°	0.0	5.3	11.1	22.9	39.5	54.9	78.7	112.6	141.6	163.5	191.6
37.5°	0.0	5.5	11.8	26.3	45.5	63.9	101.2	142.4	177.3	221.4	253.5
35°	0.0	5.7	13.4	31.5	54.6	82.4	132.4	182.8	240.4	298.8	344.3
32.5°	0.0	6.0	15.4	37.8	65.5	107.7	169.2	236.7	314.7	396.7	488.1
30°	0.0	6.2	17.5	44.5	77.2	134.3	208.2	296.7	393.2	501.0	637.2
27.5°	0.0	6.5	19.6	51.5	94.0	162.1	255.5	358.7	479.1	604.6	782.3
25°	0.0	6.7	21.7	58.8	112.3	190.9	307.5	422.3	572.4	717.9	909.2
22.5°	0.0	7.0	23.9	66.4	131.5	224.7	362.0	512.4	677.8	874.2	1042.6
20°	0.0	7.2	26.0	74.1	151.3	270.0	420.7	616.9	821.0	1039.5	1238.6
17.5°	0.0	7.4	28.1	82.3	171.6	317.3	500.1	727.0	1013.0	1287.1	1443.4
15°	0.0	7.6	30.2	90.7	192.2	367.9	589.8	851.2	1219.0	1670.5	1764.4
12.5°	0.0	7.7	32.2	99.1	212.2	421.1	680.0	988.3	1416.5	2085.3	2176.5
10°	0.0	7.9	34.1	107.2	231.8	467.8	769.6	1124.0	1596.1	2435.8	2558.5
7.5°	0.0	8.0	35.8	115.1	250.7	507.8	837.5	1248.3	1768.5	2759.7	2879.7
5°	0.0	8.1	37.4	122.6	268.9	545.3	895.1	1329.9	1907.7	2968.9	3153.7
2.5°	0.0	8.2	38.8	129.6	286.1	580.1	948.6	1405.6	2031.5	3024.0	3222.4
0°	0.0	8.2	40.0	136.1	302.2	611.6	997.5	1474.9	2146.1	3076.3	3286.5
-2.5°	0.0	8.3	39.9	134.2	296.7	604.0	991.6	1481.0	2178.7	2971.1	3235.6
-5°	0.0	8.3	39.5	131.6	289.9	592.9	980.6	1479.3	2198.5	2860.0	3174.8
-7.5°	0.0	8.3	38.8	128.4	282.0	578.2	964.2	1469.0	2156.4	2670.4	2999.6
-10°	0.0	8.3	38.0	124.7	272.8	559.9	929.1	1373.0	1958.8	2417.1	2789.9
-12.5°	0.0	8.3	37.0	120.4	262.7	525.8	850.2	1255.1	1760.5	2149.5	2520.1
-15°	0.0	8.2	35.8	115.5	249.3	474.7	768.5	1134.3	1556.5	1889.1	2224.2
-17.5°	0.0	8.1	34.4	110.2	229.5	425.3	684.6	1009.1	1347.5	1626.5	1959.8
-20°	0.0	8.0	32.8	103.9	209.5	378.5	604.7	885.2	1147.7	1426.0	1741.4



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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S8-ZVP418L

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	7.9	31.1	95.8	189.7	332.7	539.9	767.2	1000.4	1273.1	1534.4
-25°	0.0	7.7	29.3	87.7	170.1	296.3	479.4	665.2	896.1	1125.8	1367.0
-27.5°	0.0	7.5	27.2	79.6	151.0	263.6	420.9	596.7	800.5	1008.5	1206.0
-30°	0.0	7.3	25.1	71.7	132.9	231.3	366.4	527.5	706.6	896.4	1069.2
-32.5°	0.0	7.1	22.7	63.9	118.5	199.6	317.7	458.0	611.1	781.1	929.6
-35°	0.0	6.8	20.3	56.4	104.4	168.6	269.3	387.9	513.7	646.7	782.0
-37.5°	0.0	6.5	18.4	50.1	92.0	143.4	226.0	324.2	422.9	521.8	622.7
-40°	0.0	6.4	17.7	45.9	83.1	128.1	192.2	272.7	353.3	417.9	491.7
-42.5°	0.0	6.2	17.0	42.1	74.7	113.8	164.2	227.0	293.5	348.2	389.7
-45°	0.0	6.0	16.2	38.6	66.7	100.5	140.9	188.2	243.7	298.6	344.0
-47.5°	0.0	5.8	15.4	35.2	59.3	88.3	119.5	164.1	212.6	262.2	305.1
-50°	0.0	5.5	14.5	31.7	52.5	77.2	107.2	145.0	187.2	230.1	269.5
-52.5°	0.0	5.3	13.5	28.2	45.7	68.8	96.7	125.8	161.4	200.9	237.8
-55°	0.0	5.0	12.5	24.7	40.6	60.6	86.4	106.9	139.5	171.9	206.9
-57.5°	0.0	4.7	11.5	21.2	35.8	52.1	74.5	90.0	117.6	142.6	174.8
-60°	0.0	4.4	10.3	19.2	30.9	43.4	61.7	72.3	96.3	111.4	141.8
-62.5°	0.0	4.1	9.2	17.1	25.9	36.0	49.6	54.8	74.8	78.5	107.2
-65°	0.0	3.8	8.0	14.9	20.9	29.8	38.0	44.4	55.5	60.8	71.8
-67.5°	0.0	3.4	7.0	12.6	16.8	23.4	28.9	34.1	41.7	46.9	52.3
-70°	0.0	3.1	6.2	10.2	14.1	16.8	22.1	24.4	30.7	35.0	38.7
-72.5°	0.0	2.7	5.5	7.7	11.4	12.3	15.7	18.6	20.6	25.0	28.3
-75°	0.0	2.3	4.7	5.5	8.8	9.6	10.5	13.0	14.9	16.7	19.3
-77.5°	0.0	2.0	3.9	4.6	6.4	7.0	7.6	8.4	9.2	10.6	12.5
-80°	0.0	1.6	3.2	3.6	4.8	4.5	4.6	5.5	5.8	5.3	6.7
-82.5°	0.0	1.2	2.4	2.7	3.6	3.0	1.8	2.7	3.4	3.5	4.0
-85°	0.0	0.8	1.6	1.8	2.4	2.0	1.2	1.4	1.5	1.7	2.0
-87.5°	0.0	0.4	0.8	0.9	1.2	1.0	0.6	0.7	0.8	0.9	1.0
-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°	2.1	2.2	2.4	2.6	2.7	2.9	3.0	3.2	3.3	3.4	3.6
85°	3.9	4.1	4.2	4.4	4.6	4.8	4.9	5.1	5.2	5.3	3.7
82.5°	5.0	5.3	5.5	5.8	6.0	6.2	6.5	5.6	5.5	5.5	5.5
80°	6.6	6.5	6.7	7.0	7.4	7.7	8.0	6.8	6.7	7.0	7.2
77.5°	8.6	8.3	8.7	9.3	10.1	9.6	9.8	9.2	9.4	10.1	10.7
75°	10.9	11.3	11.5	12.1	12.9	12.7	12.9	12.9	13.1	13.6	14.3
72.5°	13.5	14.8	15.3	15.4	16.3	16.8	16.7	17.3	18.1	18.8	19.5
70°	17.7	18.8	19.7	20.6	21.3	22.0	22.6	23.1	24.0	25.6	25.9
67.5°	22.2	24.1	24.7	27.0	28.1	28.2	29.8	31.1	31.2	33.6	33.2
65°	28.4	30.2	32.6	34.9	36.2	35.8	38.0	39.5	41.2	43.3	42.3
62.5°	35.4	38.5	41.4	43.3	44.9	45.1	47.2	49.0	51.1	53.3	53.2
60°	44.0	47.6	50.6	52.8	54.2	56.0	58.1	59.6	62.0	64.2	65.6
57.5°	53.5	57.6	61.4	63.5	66.1	68.3	70.7	71.7	75.1	78.4	79.5
55°	64.5	69.4	73.9	77.1	79.9	81.3	84.7	86.9	90.2	93.1	95.9
52.5°	77.0	82.8	87.9	92.1	95.6	98.2	101.4	104.6	108.3	111.9	115.2
50°	92.9	100.6	105.0	110.9	116.1	118.3	122.2	126.3	130.1	133.4	139.1
47.5°	112.2	122.9	131.6	138.4	144.2	149.3	154.2	158.2	161.2	169.6	176.1
45°	138.5	151.9	163.5	173.0	181.1	188.5	195.0	202.4	209.4	218.7	229.5
42.5°	167.5	183.8	198.3	210.2	221.4	230.7	239.5	248.7	259.7	272.3	285.8
40°	213.5	230.7	248.0	264.6	275.8	278.8	295.1	312.7	324.6	336.4	367.5
37.5°	280.9	325.3	358.4	375.2	381.1	405.5	440.5	474.7	521.7	578.2	625.4
35°	412.2	462.9	506.6	547.7	597.3	657.6	722.1	816.3	947.1	1119.0	1298.4
32.5°	569.4	634.0	709.2	785.7	873.6	955.6	1058.4	1209.4	1438.3	1788.6	2112.7
30°	730.3	809.4	908.5	1004.1	1117.0	1229.4	1358.3	1534.4	1781.7	2095.8	2528.5
27.5°	891.0	978.4	1091.3	1210.5	1348.0	1478.7	1614.3	1780.8	2016.7	2355.2	2841.4
25°	1048.1	1155.4	1275.1	1434.8	1590.3	1743.6	1901.5	2069.5	2310.2	2679.1	3196.3
22.5°	1215.1	1334.8	1499.1	1680.0	1880.5	2065.2	2264.1	2501.8	2798.3	3209.3	3842.4
20°	1393.1	1559.3	1749.8	1985.5	2215.9	2453.6	2709.3	3049.9	3494.0	4023.3	4964.1
17.5°	1662.7	1817.4	2042.9	2335.2	2609.7	2894.4	3229.0	3712.0	4343.3	5262.8	6595.4
15°	1963.5	2213.9	2435.3	2758.4	3152.0	3445.9	3897.3	4462.8	5197.4	6284.0	7935.0
12.5°	2423.8	2672.1	2975.0	3453.7	3910.2	4313.4	4862.4	5504.2	6430.8	8066.7	10909.4
10°	2920.5	3292.8	3717.0	4283.4	4941.0	5409.9	5965.6	6792.8	7903.3	10145.0	14444.8
7.5°	3280.4	3793.0	4462.9	5176.6	5832.4	6288.1	6851.1	7704.0	8865.8	11298.6	16064.2
5°	3605.9	4148.5	4844.2	5622.4	6384.2	6841.2	7432.4	8372.4	9635.9	12211.8	17449.1
2.5°	3705.7	4272.4	4982.3	5815.4	6636.7	7114.7	7730.0	8632.4	10048.1	12741.4	18200.7
0°	3772.6	4301.4	4933.5	5767.6	6659.1	7193.8	7770.8	8552.7	10036.2	12712.9	17989.5
-2.5°	3735.8	4233.5	4825.5	5615.1	6481.8	7089.0	7657.7	8403.4	9840.6	12382.2	17262.9
-5°	3676.3	4128.3	4670.2	5398.6	6206.0	6879.2	7466.8	8239.2	9604.1	12020.4	16318.5
-7.5°	3488.1	3937.2	4459.6	5113.7	5821.7	6498.1	7121.1	7954.6	9272.1	11569.6	15342.3
-10°	3269.4	3652.2	4103.5	4678.6	5319.6	5922.1	6543.5	7383.7	8643.5	10771.7	14152.9
-12.5°	2918.3	3274.5	3694.5	4149.4	4650.3	5188.2	5785.9	6565.6	7688.9	9546.0	12373.1
-15°	2574.5	2891.8	3222.9	3607.9	4035.6	4457.5	5016.6	5754.3	6779.0	8356.1	10586.6
-17.5°	2279.2	2514.8	2838.4	3183.2	3534.7	3929.0	4366.1	5006.3	5869.1	7018.3	8780.8
-20°	2000.1	2251.3	2525.8	2848.4	3179.7	3527.8	3899.5	4441.7	5142.7	6072.0	7362.2



REPORT NUMBER: P902134 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S8-ZVP418L

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1793.3	2012.8	2286.6	2562.9	2878.0	3195.4	3577.3	4042.8	4672.9	5483.9	6522.0
-25°	1589.4	1830.2	2070.4	2321.0	2602.1	2926.1	3351.4	3799.5	4275.4	4868.0	5766.2
-27.5°	1424.4	1646.3	1882.7	2085.8	2347.9	2650.4	3063.3	3554.6	3996.1	4272.0	4996.1
-30°	1263.0	1469.3	1702.1	1895.3	2097.4	2338.2	2652.1	2996.1	3511.5	3615.2	4134.0
-32.5°	1093.2	1280.4	1482.8	1675.4	1861.1	2000.6	2211.0	2456.6	2784.9	3009.1	3343.3
-35°	911.7	1055.5	1233.4	1369.3	1509.5	1613.6	1762.0	1939.1	2186.9	2412.2	2714.6
-37.5°	724.9	829.0	945.4	1044.5	1123.6	1215.5	1337.2	1477.0	1668.8	1874.4	2127.4
-40°	559.7	626.1	692.5	765.8	831.7	897.9	988.9	1103.0	1249.8	1405.8	1623.1
-42.5°	436.8	497.6	551.4	601.2	647.5	703.2	758.9	861.0	985.4	1120.8	1290.1
-45°	381.7	428.2	469.1	508.8	557.4	608.6	663.0	727.1	830.5	951.6	1098.2
-47.5°	343.5	383.8	420.2	460.8	502.2	548.4	603.5	666.7	745.2	852.8	981.3
-50°	306.9	346.3	383.5	422.6	462.9	506.8	556.7	612.7	684.4	773.5	884.1
-52.5°	272.5	314.3	357.9	391.9	432.1	473.3	517.7	564.8	625.1	694.7	789.8
-55°	243.9	291.2	340.9	372.5	411.1	442.9	483.8	522.8	573.1	635.8	711.4
-57.5°	210.5	258.2	296.4	347.8	367.8	416.7	439.4	473.7	508.3	560.4	618.6
-60°	167.3	207.5	230.8	258.0	284.7	304.3	351.8	361.7	395.5	435.2	476.9
-62.5°	114.5	150.9	155.0	175.6	189.1	197.1	213.1	236.2	231.6	279.8	314.9
-65°	80.5	92.6	102.3	106.0	125.3	128.8	143.9	156.8	168.1	187.3	208.2
-67.5°	58.3	66.2	71.3	78.7	85.6	95.1	103.1	112.7	125.2	139.5	155.0
-70°	43.6	47.2	51.9	56.4	61.6	69.6	75.1	81.3	90.6	100.3	112.2
-72.5°	30.6	33.9	36.0	37.7	42.5	47.8	51.6	56.0	62.4	68.7	76.2
-75°	21.7	22.6	23.1	25.3	27.6	30.0	32.4	35.8	40.1	43.7	47.5
-77.5°	13.7	13.3	14.0	15.5	16.3	16.9	19.5	20.9	23.2	24.5	26.5
-80°	8.3	7.6	7.0	8.1	8.0	8.0	9.5	10.5	11.7	11.7	12.4
-82.5°	4.5	3.5	2.0	2.9	3.4	3.4	3.8	4.2	4.6	5.0	5.4
-85°	2.4	2.3	1.8	1.8	1.8	1.1	1.2	1.4	1.5	1.6	1.8
-87.5°	1.0	1.1	1.2	1.3	1.4	0.0	0.0	0.0	0.0	0.0	0.0
-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):

	-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°	3.6	3.7	3.8	3.8	3.9	3.9	3.9	4.0	4.0	4.0	4.0
85°	3.7	5.4	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
82.5°	5.6	5.8	5.9	6.1	6.2	6.3	6.4	6.5	6.6	6.7	6.7
80°	7.6	8.1	8.5	8.8	9.2	9.5	9.8	10.1	10.3	10.5	10.6
77.5°	11.3	11.9	12.4	12.9	13.3	13.7	14.1	14.4	14.7	15.0	15.2
75°	15.1	15.7	16.3	16.9	17.4	17.9	18.4	19.0	19.5	20.0	20.3
72.5°	20.0	20.7	21.7	22.2	23.2	24.1	24.8	25.5	26.1	26.6	27.0
70°	26.5	28.0	28.6	29.7	31.1	31.7	32.1	32.9	33.8	34.6	35.2
67.5°	34.0	35.6	36.9	37.6	39.5	41.2	41.8	42.8	44.1	45.2	44.9
65°	43.4	45.7	48.1	49.1	50.1	51.6	53.1	54.6	55.1	56.4	56.6
62.5°	54.7	57.8	60.0	61.4	62.4	63.3	65.8	67.8	68.5	69.5	70.4
60°	67.1	70.2	73.3	74.7	76.6	77.7	80.3	81.8	84.5	85.1	86.0
57.5°	80.8	85.6	88.2	90.4	93.1	95.5	98.3	100.7	103.2	104.2	105.7
55°	97.9	102.7	105.9	109.0	111.9	116.0	119.5	122.4	124.6	126.3	127.7
52.5°	118.0	122.6	126.2	131.4	135.5	139.7	143.9	147.7	150.4	152.9	154.5
50°	142.7	150.3	154.6	162.5	167.6	174.1	178.6	182.5	186.3	190.0	191.1
47.5°	184.4	192.2	199.8	210.5	215.8	226.8	231.1	233.3	245.1	253.3	256.6
45°	241.2	252.2	266.7	281.1	295.2	306.1	321.6	332.8	341.7	349.4	357.7
42.5°	302.8	320.7	339.2	362.6	382.2	402.4	420.8	438.3	452.0	461.1	474.2
40°	373.8	408.0	431.8	508.9	496.5	520.8	544.4	577.9	586.3	616.7	624.4
37.5°	690.5	740.4	976.6	1074.1	981.2	1297.5	1248.3	1311.1	1175.9	1145.0	1227.1
35°	1605.0	2035.0	2630.3	2982.7	3890.9	4157.7	4170.5	4296.1	3902.7	3626.8	3809.5
32.5°	2594.2	3210.5	4070.0	4997.9	5682.2	6123.7	6427.0	6309.4	6000.3	5541.3	5428.4
30°	3147.4	3942.0	4897.2	5872.5	6838.8	7473.5	7763.9	7948.2	7554.9	7464.1	7008.1
27.5°	3548.0	4522.1	5711.6	7100.9	8629.1	9902.2	10765.4	11276.5	11403.8	11215.2	11080.7
25°	4020.3	5218.4	6845.0	8885.6	11154.5	13125.1	14714.4	15739.2	16017.7	16053.4	15867.9
22.5°	4807.4	6267.5	8309.2	10992.8	13993.1	16921.0	19249.1	20969.4	22894.9	23170.3	23747.5
20°	6403.1	8586.4	11691.2	15879.0	20754.8	25897.5	30603.9	35328.6	39180.1	41087.3	43852.2
17.5°	8609.5	11610.8	16021.9	21720.7	28636.8	35704.5	42705.8	48828.2	54862.5	60369.6	62799.0
15°	10327.0	13769.5	18821.6	25751.6	34360.1	43986.0	54145.9	64776.0	74902.1	83688.6	87492.9
12.5°	14590.6	19337.6	26370.1	36902.6	51118.6	68410.0	87108.4	106339.2	124459.7	141622.3	154948.4
10°	19735.5	25801.2	35237.6	49822.7	68712.8	91596.8	117024.0	141934.9	166652.6	190126.6	211384.3
7.5°	22213.2	28891.9	39447.7	55696.0	76834.3	102743.5	131048.0	158033.7	184281.8	211084.8	237947.4
5°	24385.1	32161.5	44376.8	62802.5	88420.7	118564.1	150916.9	181615.9	210241.9	238892.2	267619.4
2.5°	25435.3	33502.0	46512.5	66554.1	92909.3	124536.2	158434.7	190820.9	220563.9	249070.0	275962.1
0°	25067.3	32779.9	45369.0	64915.8	89972.6	119276.6	150551.1	181541.1	210703.6	238438.1	263542.2
-2.5°	24114.5	31372.7	42885.8	60658.9	83481.3	109604.7	137339.1	166381.8	193834.5	219994.8	240858.5
-5°	22916.3	29717.3	39816.5	54681.2	74219.2	95693.8	117814.5	140440.8	163812.9	189297.7	209685.6
-7.5°	21637.5	28596.8	37899.1	51224.2	68276.7	86592.4	106234.5	128268.6	151489.6	172083.0	184713.0
-10°	19665.3	26718.2	34647.7	45899.1	59932.6	75557.4	92411.3	108899.1	123851.3	134538.2	143376.3
-12.5°	16901.6	23189.0	29634.6	37562.5	47529.6	57950.9	67817.7	76350.3	82499.4	86336.3	88616.6
-15°	14148.8	19102.5	24646.3	30651.7	37447.1	44030.5	49534.9	53724.5	56061.1	57173.3	58242.6
-17.5°	11233.4	14384.5	18194.8	22219.8	26596.3	30304.9	33244.3	35029.2	35895.6	36064.3	35894.8
-20°	9072.2	11253.3	13795.0	16484.6	18853.7	20822.8	22115.6	22976.9	23469.2	23799.0	23763.7



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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°	7871.3	9545.7	11409.2	13266.6	14872.9	16187.8	17153.6	17822.9	18284.7	18643.4	18964.7
-25°	6938.9	8257.4	9790.9	11249.6	12579.3	13685.6	14387.6	14775.8	15259.1	15580.8	16018.1
-27.5°	6006.5	7179.2	8397.4	9692.6	10927.3	12025.2	12859.3	13216.6	13477.9	13564.2	13957.7
-30°	4918.3	5799.0	6741.0	7654.2	8559.0	9639.1	10760.3	11832.9	12257.4	12321.5	12486.1
-32.5°	3968.4	4556.4	5245.0	5889.9	6520.6	7330.7	8187.4	9329.3	10375.0	11270.7	11947.5
-35°	3166.5	3643.2	4153.7	4667.4	5292.7	5905.8	6534.0	7246.8	8012.0	8918.3	9727.8
-37.5°	2465.4	2836.2	3267.3	3721.4	4239.6	4811.3	5381.7	5916.8	6453.7	6991.8	7434.4
-40°	1878.5	2149.1	2548.8	2965.1	3407.4	3899.1	4338.8	4848.3	5303.3	5731.7	6112.3
-42.5°	1506.4	1750.5	2032.1	2398.4	2771.8	3212.1	3611.5	4022.9	4405.9	4755.8	5086.2
-45°	1281.7	1500.4	1748.2	2042.4	2356.6	2708.0	3067.4	3420.9	3755.8	4059.2	4323.9
-47.5°	1134.3	1321.4	1531.2	1777.6	2047.5	2333.0	2623.7	2915.4	3212.1	3472.2	3696.6
-50°	1012.8	1171.0	1345.5	1550.8	1777.4	2016.6	2265.1	2512.5	2756.4	2976.8	3163.8
-52.5°	890.9	1027.8	1172.2	1341.8	1527.6	1723.0	1926.1	2127.3	2320.5	2497.6	2647.7
-55°	800.8	905.1	1025.6	1157.3	1297.7	1447.4	1605.7	1760.5	1906.5	2039.0	2155.6
-57.5°	694.7	774.0	872.3	972.3	1071.9	1184.0	1302.9	1420.0	1528.0	1626.8	1716.8
-60°	528.6	597.4	667.4	732.3	814.8	910.0	999.1	1072.3	1152.6	1228.0	1293.1
-62.5°	341.8	401.3	452.9	498.4	563.8	627.2	688.2	745.8	808.1	863.5	909.2
-65°	238.3	269.0	303.6	340.5	389.6	432.7	474.3	516.7	559.3	601.8	637.3
-67.5°	174.7	197.9	222.7	248.5	278.3	309.4	340.4	369.6	397.6	422.5	445.9
-70°	125.4	141.5	159.4	177.6	195.6	216.9	237.9	257.0	275.3	292.6	306.8
-72.5°	85.2	96.1	109.1	121.2	132.6	145.6	160.1	172.0	184.6	196.2	205.0
-75°	52.8	60.1	68.3	75.6	83.5	91.1	99.3	107.1	114.4	122.3	128.1
-77.5°	29.6	33.3	37.4	40.9	45.0	50.8	54.3	58.5	61.5	66.0	68.9
-80°	14.0	14.6	16.2	17.1	18.7	21.9	23.1	24.4	25.7	26.7	27.6
-82.5°	4.4	4.8	4.1	4.2	4.7	6.0	5.7	6.0	6.3	6.6	6.9
-85°	0.2	0.4	0.3	0.4	0.5	0.6	0.6	0.7	0.7	0.8	0.8
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-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-S8-ZVP418L

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°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.0	4.0	4.0	4.0
85°	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5	5.5
82.5°	6.8	6.8	6.8	6.9	6.8	6.8	6.8	6.7	6.7	6.6	6.5
80°	10.7	10.8	10.9	10.9	10.9	10.8	10.7	10.6	10.5	10.3	10.1
77.5°	15.3	15.4	15.5	15.5	15.5	15.4	15.3	15.2	15.0	14.7	14.4
75°	20.6	20.8	20.9	21.0	20.9	20.8	20.6	20.3	20.0	19.5	19.0
72.5°	27.3	27.6	27.7	27.8	27.7	27.6	27.3	27.0	26.6	26.1	25.5
70°	35.7	36.1	36.3	36.4	36.3	36.1	35.7	35.2	34.6	33.8	32.9
67.5°	45.3	47.1	47.7	47.8	47.7	47.1	45.3	44.9	45.2	44.1	42.8
65°	57.8	58.7	59.0	59.2	59.0	58.7	57.8	56.6	56.4	55.1	54.6
62.5°	70.9	71.3	71.7	71.9	71.7	71.3	70.9	70.4	69.5	68.5	67.8
60°	87.3	88.3	89.0	89.2	89.0	88.3	87.3	86.0	85.1	84.5	81.8
57.5°	108.1	108.6	109.4	108.4	109.4	108.6	108.1	105.7	104.2	103.2	100.7
55°	129.7	130.5	131.6	132.0	131.6	130.5	129.7	127.7	126.3	124.6	122.4
52.5°	156.7	157.8	159.3	158.4	159.3	157.8	156.7	154.5	152.9	150.4	147.7
50°	193.3	194.1	194.1	193.0	194.1	194.1	193.3	191.1	190.0	186.3	182.5
47.5°	257.4	261.3	261.2	262.1	261.2	261.3	257.4	256.6	253.3	245.1	233.3
45°	364.5	369.0	369.8	368.6	369.8	369.0	364.5	357.7	349.4	341.7	332.8
42.5°	486.1	490.4	490.5	492.9	490.5	490.4	486.1	474.2	461.1	452.0	438.3
40°	634.6	639.9	640.5	642.6	640.5	639.9	634.6	624.4	616.7	586.3	577.9
37.5°	1160.2	1134.2	1121.7	1116.3	1121.7	1134.2	1160.2	1227.1	1145.0	1175.9	1311.1
35°	3256.4	3027.9	3051.1	3040.8	3051.1	3027.9	3256.4	3809.5	3626.8	3902.7	4296.1
32.5°	4925.5	4903.6	5006.8	5000.8	5006.8	4903.6	4925.5	5428.4	5541.3	6000.3	6309.4
30°	6839.1	6961.1	6942.3	6997.2	6942.3	6961.1	6839.1	7008.1	7464.1	7554.9	7948.2
27.5°	11003.3	10884.6	10881.7	10894.9	10881.7	10884.6	11003.3	11080.7	11215.2	11403.8	11276.5
25°	15962.8	16033.5	15970.4	15912.1	15970.4	16033.5	15962.8	15867.9	16053.4	16017.7	15739.2
22.5°	23277.1	24535.7	24529.7	24362.8	24529.7	24535.7	23277.1	23747.5	23170.3	22894.9	20969.4
20°	44557.6	46634.6	45780.0	45137.8	45780.0	46634.6	44557.6	43852.2	41087.3	39180.1	35328.6
17.5°	65907.1	66910.5	69744.2	70539.1	69744.2	66910.5	65907.1	62799.0	60369.6	54862.5	48828.2
15°	91889.7	94431.3	97989.1	98160.3	97989.1	94431.3	91889.7	87492.9	83688.6	74902.1	64776.0
12.5°	156055.4	158761.3	161205.3	161192.5	161205.3	158761.3	156055.4	154948.4	141622.3	124459.7	106339.2
10°	219752.8	221281.9	225045.2	225971.3	225045.2	221281.9	219752.8	211384.3	190126.6	166652.6	141934.9
7.5°	258940.3	263858.0	275162.2	278964.6	275162.2	263858.0	258940.3	237947.4	211084.8	184281.8	158033.7
5°	291675.6	300888.0	312909.2	319980.4	312909.2	300888.0	291675.6	267619.4	238892.2	210241.9	181615.9
2.5°	297749.8	307309.2	323921.8	331166.1	323921.8	307309.2	297749.8	275962.1	249070.0	220563.9	190820.9
0°	277226.2	289199.2	302516.9	308885.7	302516.9	289199.2	277226.2	263542.2	238438.1	210703.6	181541.1
-2.5°	250353.9	264799.5	276014.9	279406.0	276014.9	264799.5	250353.9	240858.5	219994.8	193834.5	166381.8
-5°	225164.3	239715.0	247645.2	250354.1	247645.2	239715.0	225164.3	209685.6	189297.7	163812.9	140440.8
-7.5°	195994.7	204309.7	211357.2	212387.3	211357.2	204309.7	195994.7	184713.0	172083.0	151489.6	128268.6
-10°	150226.5	154209.2	159023.0	160679.2	159023.0	154209.2	150226.5	143376.3	134538.2	123851.3	108899.1
-12.5°	93700.4	94915.3	99314.4	99662.5	99314.4	94915.3	93700.4	88616.6	86336.3	82499.4	76350.3
-15°	59232.4	60377.1	61217.2	61668.9	61217.2	60377.1	59232.4	58242.6	57173.3	56061.1	53724.5
-17.5°	36841.2	36970.3	37061.5	37316.5	37061.5	36970.3	36841.2	35894.8	36064.3	35895.6	35029.2
-20°	24381.2	24476.7	24532.8	24668.6	24532.8	24476.7	24381.2	23763.7	23799.0	23469.2	22976.9



REPORT NUMBER: P902134 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S8-ZVP418L

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	19184.5	19525.0	19637.9	19733.8	19637.9	19525.0	19184.5	18964.7	18643.4	18284.7	17822.9
-25°	16250.8	16607.6	16684.4	16735.8	16684.4	16607.6	16250.8	16018.1	15580.8	15259.1	14775.8
-27.5°	14264.1	14594.5	14823.7	14962.3	14823.7	14594.5	14264.1	13957.7	13564.2	13477.9	13216.6
-30°	12636.8	12873.6	13139.3	13368.2	13139.3	12873.6	12636.8	12486.1	12321.5	12257.4	11832.9
-32.5°	12053.5	12106.2	12247.9	12363.4	12247.9	12106.2	12053.5	11947.5	11270.7	10375.0	9329.3
-35°	10284.9	10616.9	10876.8	11012.7	10876.8	10616.9	10284.9	9727.8	8918.3	8012.0	7246.8
-37.5°	7808.7	8147.4	8375.8	8488.0	8375.8	8147.4	7808.7	7434.4	6991.8	6453.7	5916.8
-40°	6410.0	6608.9	6733.4	6791.5	6733.4	6608.9	6410.0	6112.3	5731.7	5303.3	4848.3
-42.5°	5344.8	5527.0	5641.5	5693.0	5641.5	5527.0	5344.8	5086.2	4755.8	4405.9	4022.9
-45°	4546.7	4710.7	4812.7	4853.8	4812.7	4710.7	4546.7	4323.9	4059.2	3755.8	3420.9
-47.5°	3883.9	4027.9	4114.3	4152.5	4114.3	4027.9	3883.9	3696.6	3472.2	3212.1	2915.4
-50°	3316.0	3428.8	3500.5	3529.6	3500.5	3428.8	3316.0	3163.8	2976.8	2756.4	2512.5
-52.5°	2764.7	2851.8	2909.6	2935.7	2909.6	2851.8	2764.7	2647.7	2497.6	2320.5	2127.3
-55°	2247.2	2314.7	2360.1	2382.7	2360.1	2314.7	2247.2	2155.6	2039.0	1906.5	1760.5
-57.5°	1789.6	1842.9	1879.5	1896.7	1879.5	1842.9	1789.6	1716.8	1626.8	1528.0	1420.0
-60°	1348.3	1396.4	1431.6	1447.1	1431.6	1396.4	1348.3	1293.1	1228.0	1152.6	1072.3
-62.5°	943.8	969.1	985.9	992.1	985.9	969.1	943.8	909.2	863.5	808.1	745.8
-65°	664.6	683.6	695.2	700.8	695.2	683.6	664.6	637.3	601.8	559.3	516.7
-67.5°	466.1	479.5	488.6	492.9	488.6	479.5	466.1	445.9	422.5	397.6	369.6
-70°	322.7	329.4	332.2	334.9	332.2	329.4	322.7	306.8	292.6	275.3	257.0
-72.5°	214.0	219.4	223.2	225.2	223.2	219.4	214.0	205.0	196.2	184.6	172.0
-75°	132.6	136.5	138.8	139.3	138.8	136.5	132.6	128.1	122.3	114.4	107.1
-77.5°	72.1	74.0	74.8	75.1	74.8	74.0	72.1	68.9	66.0	61.5	58.5
-80°	28.2	28.7	30.8	30.9	30.8	28.7	28.2	27.6	26.7	25.7	24.4
-82.5°	7.0	7.2	7.2	7.3	7.2	7.2	7.0	6.9	6.6	6.3	6.0
-85°	0.9	1.8	1.8	1.8	1.8	1.8	0.9	0.8	0.8	0.7	0.7
-87.5°	0.0	0.4	0.4	0.5	0.4	0.4	0.0	0.0	0.0	0.0	0.0
-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: P902134 (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°
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°	3.9	3.9	3.9	3.8	3.8	3.7	3.6	3.6	3.4	3.3	3.2
85°	5.5	5.5	5.5	5.5	5.5	5.4	3.7	3.7	5.3	5.2	5.1
82.5°	6.4	6.3	6.2	6.1	5.9	5.8	5.6	5.5	5.5	5.5	5.6
80°	9.8	9.5	9.2	8.8	8.5	8.1	7.6	7.2	7.0	6.7	6.8
77.5°	14.1	13.7	13.3	12.9	12.4	11.9	11.3	10.7	10.1	9.4	9.2
75°	18.4	17.9	17.4	16.9	16.3	15.7	15.1	14.3	13.6	13.1	12.9
72.5°	24.8	24.1	23.2	22.2	21.7	20.7	20.0	19.5	18.8	18.1	17.3
70°	32.1	31.7	31.1	29.7	28.6	28.0	26.5	25.9	25.6	24.0	23.1
67.5°	41.8	41.2	39.5	37.6	36.9	35.6	34.0	33.2	33.6	31.2	31.1
65°	53.1	51.6	50.1	49.1	48.1	45.7	43.4	42.3	43.3	41.2	39.5
62.5°	65.8	63.3	62.4	61.4	60.0	57.8	54.7	53.2	53.3	51.1	49.0
60°	80.3	77.7	76.6	74.7	73.3	70.2	67.1	65.6	64.2	62.0	59.6
57.5°	98.3	95.5	93.1	90.4	88.2	85.6	80.8	79.5	78.4	75.1	71.7
55°	119.5	116.0	111.9	109.0	105.9	102.7	97.9	95.9	93.1	90.2	86.9
52.5°	143.9	139.7	135.5	131.4	126.2	122.6	118.0	115.2	111.9	108.3	104.6
50°	178.6	174.1	167.6	162.5	154.6	150.3	142.7	139.1	133.4	130.1	126.3
47.5°	231.1	226.8	215.8	210.5	199.8	192.2	184.4	176.1	169.6	161.2	158.2
45°	321.6	306.1	295.2	281.1	266.7	252.2	241.2	229.5	218.7	209.4	202.4
42.5°	420.8	402.4	382.2	362.6	339.2	320.7	302.8	285.8	272.3	259.7	248.7
40°	544.4	520.8	496.5	508.9	431.8	408.0	373.8	367.5	336.4	324.6	312.7
37.5°	1248.3	1297.5	981.2	1074.1	976.6	740.4	690.5	625.4	578.2	521.7	474.7
35°	4170.5	4157.7	3890.9	2982.7	2630.3	2035.0	1605.0	1298.4	1119.0	947.1	816.3
32.5°	6427.0	6123.7	5682.2	4997.9	4070.0	3210.5	2594.2	2112.7	1788.6	1438.3	1209.4
30°	7763.9	7473.5	6838.8	5872.5	4897.2	3942.0	3147.4	2528.5	2095.8	1781.7	1534.4
27.5°	10765.4	9902.2	8629.1	7100.9	5711.6	4522.1	3548.0	2841.4	2355.2	2016.7	1780.8
25°	14714.4	13125.1	11154.5	8885.6	6845.0	5218.4	4020.3	3196.3	2679.1	2310.2	2069.5
22.5°	19249.1	16921.0	13993.1	10992.8	8309.2	6267.5	4807.4	3842.4	3209.3	2798.3	2501.8
20°	30603.9	25897.5	20754.8	15879.0	11691.2	8586.4	6403.1	4964.1	4023.3	3494.0	3049.9
17.5°	42705.8	35704.5	28636.8	21720.7	16021.9	11610.8	8609.5	6595.4	5262.8	4343.3	3712.0
15°	54145.9	43986.0	34360.1	25751.6	18821.6	13769.5	10327.0	7935.0	6284.0	5197.4	4462.8
12.5°	87108.4	68410.0	51118.6	36902.6	26370.1	19337.6	14590.6	10909.4	8066.7	6430.8	5504.2
10°	117024.0	91596.8	68712.8	49822.7	35237.6	25801.2	19735.5	14444.8	10145.0	7903.3	6792.8
7.5°	131048.0	102743.5	76834.3	55696.0	39447.7	28891.9	22213.2	16064.2	11298.6	8865.8	7704.0
5°	150916.9	118564.1	88420.7	62802.5	44376.8	32161.5	24385.1	17449.1	12211.8	9635.9	8372.4
2.5°	158434.7	124536.2	92909.3	66554.1	46512.5	33502.0	25435.3	18200.7	12741.4	10048.1	8632.4
0°	150551.1	119276.6	89972.6	64915.8	45369.0	32779.9	25067.3	17989.5	12712.9	10036.2	8552.7
-2.5°	137339.1	109604.7	83481.3	60658.9	42885.8	31372.7	24114.5	17262.9	12382.2	9840.6	8403.4
-5°	117814.5	95693.8	74219.2	54681.2	39816.5	29717.3	22916.3	16318.5	12020.4	9604.1	8239.2
-7.5°	106234.5	86592.4	68276.7	51224.2	37899.1	28596.8	21637.5	15342.3	11569.6	9272.1	7954.6
-10°	92411.3	75557.4	59932.6	45899.1	34647.7	26718.2	19665.3	14152.9	10771.7	8643.5	7383.7
-12.5°	67817.7	57950.9	47529.6	37562.5	29634.6	23189.0	16901.6	12373.1	9546.0	7688.9	6565.6
-15°	49534.9	44030.5	37447.1	30651.7	24646.3	19102.5	14148.8	10586.6	8356.1	6779.0	5754.3
-17.5°	33244.3	30304.9	26596.3	22219.8	18194.8	14384.5	11233.4	8780.8	7018.3	5869.1	5006.3
-20°	22115.6	20822.8	18853.7	16484.6	13795.0	11253.3	9072.2	7362.2	6072.0	5142.7	4441.7



REPORT NUMBER: P902134 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S8-ZVP418L

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	17153.6	16187.8	14872.9	13266.6	11409.2	9545.7	7871.3	6522.0	5483.9	4672.9	4042.8
-25°	14387.6	13685.6	12579.3	11249.6	9790.9	8257.4	6938.9	5766.2	4868.0	4275.4	3799.5
-27.5°	12859.3	12025.2	10927.3	9692.6	8397.4	7179.2	6006.5	4996.1	4272.0	3996.1	3554.6
-30°	10760.3	9639.1	8559.0	7654.2	6741.0	5799.0	4918.3	4134.0	3615.2	3511.5	2996.1
-32.5°	8187.4	7330.7	6520.6	5889.9	5245.0	4556.4	3968.4	3343.3	3009.1	2784.9	2456.6
-35°	6534.0	5905.8	5292.7	4667.4	4153.7	3643.2	3166.5	2714.6	2412.2	2186.9	1939.1
-37.5°	5381.7	4811.3	4239.6	3721.4	3267.3	2836.2	2465.4	2127.4	1874.4	1668.8	1477.0
-40°	4338.8	3899.1	3407.4	2965.1	2548.8	2149.1	1878.5	1623.1	1405.8	1249.8	1103.0
-42.5°	3611.5	3212.1	2771.8	2398.4	2032.1	1750.5	1506.4	1290.1	1120.8	985.4	861.0
-45°	3067.4	2708.0	2356.6	2042.4	1748.2	1500.4	1281.7	1098.2	951.6	830.5	727.1
-47.5°	2623.7	2333.0	2047.5	1777.6	1531.2	1321.4	1134.3	981.3	852.8	745.2	666.7
-50°	2265.1	2016.6	1777.4	1550.8	1345.5	1171.0	1012.8	884.1	773.5	684.4	612.7
-52.5°	1926.1	1723.0	1527.6	1341.8	1172.2	1027.8	890.9	789.8	694.7	625.1	564.8
-55°	1605.7	1447.4	1297.7	1157.3	1025.6	905.1	800.8	711.4	635.8	573.1	522.8
-57.5°	1302.9	1184.0	1071.9	972.3	872.3	774.0	694.7	618.6	560.4	508.3	473.7
-60°	999.1	910.0	814.8	732.3	667.4	597.4	528.6	476.9	435.2	395.5	361.7
-62.5°	688.2	627.2	563.8	498.4	452.9	401.3	341.8	314.9	279.8	231.6	236.2
-65°	474.3	432.7	389.6	340.5	303.6	269.0	238.3	208.2	187.3	168.1	156.8
-67.5°	340.4	309.4	278.3	248.5	222.7	197.9	174.7	155.0	139.5	125.2	112.7
-70°	237.9	216.9	195.6	177.6	159.4	141.5	125.4	112.2	100.3	90.6	81.3
-72.5°	160.1	145.6	132.6	121.2	109.1	96.1	85.2	76.2	68.7	62.4	56.0
-75°	99.3	91.1	83.5	75.6	68.3	60.1	52.8	47.5	43.7	40.1	35.8
-77.5°	54.3	50.8	45.0	40.9	37.4	33.3	29.6	26.5	24.5	23.2	20.9
-80°	23.1	21.9	18.7	17.1	16.2	14.6	14.0	12.4	11.7	11.7	10.5
-82.5°	5.7	6.0	4.7	4.2	4.1	4.8	4.4	5.4	5.0	4.6	4.2
-85°	0.6	0.6	0.5	0.4	0.3	0.4	0.2	1.8	1.6	1.5	1.4
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-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: P902134 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-S8-ZVP418L

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°	3.0	2.9	2.7	2.6	2.4	2.2	2.1	1.9	1.7	1.5	1.4
85°	4.9	4.8	4.6	4.4	4.2	4.1	3.9	3.7	3.4	3.1	2.7
82.5°	6.5	6.2	6.0	5.8	5.5	5.3	5.0	4.7	4.4	4.2	4.1
80°	8.0	7.7	7.4	7.0	6.7	6.5	6.6	5.9	5.3	5.1	5.4
77.5°	9.8	9.6	10.1	9.3	8.7	8.3	8.6	7.7	7.0	6.4	6.8
75°	12.9	12.7	12.9	12.1	11.5	11.3	10.9	9.9	9.0	8.6	8.2
72.5°	16.7	16.8	16.3	15.4	15.3	14.8	13.5	12.7	11.5	10.7	9.8
70°	22.6	22.0	21.3	20.6	19.7	18.8	17.7	15.9	14.2	13.2	11.4
67.5°	29.8	28.2	28.1	27.0	24.7	24.1	22.2	20.1	17.6	15.9	14.0
65°	38.0	35.8	36.2	34.9	32.6	30.2	28.4	25.2	21.9	19.3	16.8
62.5°	47.2	45.1	44.9	43.3	41.4	38.5	35.4	31.7	26.7	23.7	19.5
60°	58.1	56.0	54.2	52.8	50.6	47.6	44.0	38.8	33.5	28.3	23.9
57.5°	70.7	68.3	66.1	63.5	61.4	57.6	53.5	47.5	40.7	34.7	28.4
55°	84.7	81.3	79.9	77.1	73.9	69.4	64.5	56.6	49.6	41.6	33.1
52.5°	101.4	98.2	95.6	92.1	87.9	82.8	77.0	68.8	59.3	48.8	39.9
50°	122.2	118.3	116.1	110.9	105.0	100.6	92.9	82.8	70.9	59.8	47.6
47.5°	154.2	149.3	144.2	138.4	131.6	122.9	112.2	101.2	87.4	71.9	56.0
45°	195.0	188.5	181.1	173.0	163.5	151.9	138.5	122.4	105.7	87.2	67.6
42.5°	239.5	230.7	221.4	210.2	198.3	183.8	167.5	146.3	129.9	111.6	87.4
40°	295.1	278.8	275.8	264.6	248.0	230.7	213.5	191.6	163.5	141.6	112.6
37.5°	440.5	405.5	381.1	375.2	358.4	325.3	280.9	253.5	221.4	177.3	142.4
35°	722.1	657.6	597.3	547.7	506.6	462.9	412.2	344.3	298.8	240.4	182.8
32.5°	1058.4	955.6	873.6	785.7	709.2	634.0	569.4	488.1	396.7	314.7	236.7
30°	1358.3	1229.4	1117.0	1004.1	908.5	809.4	730.3	637.2	501.0	393.2	296.7
27.5°	1614.3	1478.7	1348.0	1210.5	1091.3	978.4	891.0	782.3	604.6	479.1	358.7
25°	1901.5	1743.6	1590.3	1434.8	1275.1	1155.4	1048.1	909.2	717.9	572.4	422.3
22.5°	2264.1	2065.2	1880.5	1680.0	1499.1	1334.8	1215.1	1042.6	874.2	677.8	512.4
20°	2709.3	2453.6	2215.9	1985.5	1749.8	1559.3	1393.1	1238.6	1039.5	821.0	616.9
17.5°	3229.0	2894.4	2609.7	2335.2	2042.9	1817.4	1662.7	1443.4	1287.1	1013.0	727.0
15°	3897.3	3445.9	3152.0	2758.4	2435.3	2213.9	1963.5	1764.4	1670.5	1219.0	851.2
12.5°	4862.4	4313.4	3910.2	3453.7	2975.0	2672.1	2423.8	2176.5	2085.3	1416.5	988.3
10°	5965.6	5409.9	4941.0	4283.4	3717.0	3292.8	2920.5	2558.5	2435.8	1596.1	1124.0
7.5°	6851.1	6288.1	5832.4	5176.6	4462.9	3793.0	3280.4	2879.7	2759.7	1768.5	1248.3
5°	7432.4	6841.2	6384.2	5622.4	4844.2	4148.5	3605.9	3153.7	2968.9	1907.7	1329.9
2.5°	7730.0	7114.7	6636.7	5815.4	4982.3	4272.4	3705.7	3222.4	3024.0	2031.5	1405.6
0°	7770.8	7193.8	6659.1	5767.6	4933.5	4301.4	3772.6	3286.5	3076.3	2146.1	1474.9
-2.5°	7657.7	7089.0	6481.8	5615.1	4825.5	4233.5	3735.8	3235.6	2971.1	2178.7	1481.0
-5°	7466.8	6879.2	6206.0	5398.6	4670.2	4128.3	3676.3	3174.8	2860.0	2198.5	1479.3
-7.5°	7121.1	6498.1	5821.7	5113.7	4459.6	3937.2	3488.1	2999.6	2670.4	2156.4	1469.0
-10°	6543.5	5922.1	5319.6	4678.6	4103.5	3652.2	3269.4	2789.9	2417.1	1958.8	1373.0
-12.5°	5785.9	5188.2	4650.3	4149.4	3694.5	3274.5	2918.3	2520.1	2149.5	1760.5	1255.1
-15°	5016.6	4457.5	4035.6	3607.9	3222.9	2891.8	2574.5	2224.2	1889.1	1556.5	1134.3
-17.5°	4366.1	3929.0	3534.7	3183.2	2838.4	2514.8	2279.2	1959.8	1626.5	1347.5	1009.1
-20°	3899.5	3527.8	3179.7	2848.4	2525.8	2251.3	2000.1	1741.4	1426.0	1147.7	885.2



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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°	3577.3	3195.4	2878.0	2562.9	2286.6	2012.8	1793.3	1534.4	1273.1	1000.4	767.2
-25°	3351.4	2926.1	2602.1	2321.0	2070.4	1830.2	1589.4	1367.0	1125.8	896.1	665.2
-27.5°	3063.3	2650.4	2347.9	2085.8	1882.7	1646.3	1424.4	1206.0	1008.5	800.5	596.7
-30°	2652.1	2338.2	2097.4	1895.3	1702.1	1469.3	1263.0	1069.2	896.4	706.6	527.5
-32.5°	2211.0	2000.6	1861.1	1675.4	1482.8	1280.4	1093.2	929.6	781.1	611.1	458.0
-35°	1762.0	1613.6	1509.5	1369.3	1233.4	1055.5	911.7	782.0	646.7	513.7	387.9
-37.5°	1337.2	1215.5	1123.6	1044.5	945.4	829.0	724.9	622.7	521.8	422.9	324.2
-40°	988.9	897.9	831.7	765.8	692.5	626.1	559.7	491.7	417.9	353.3	272.7
-42.5°	758.9	703.2	647.5	601.2	551.4	497.6	436.8	389.7	348.2	293.5	227.0
-45°	663.0	608.6	557.4	508.8	469.1	428.2	381.7	344.0	298.6	243.7	188.2
-47.5°	603.5	548.4	502.2	460.8	420.2	383.8	343.5	305.1	262.2	212.6	164.1
-50°	556.7	506.8	462.9	422.6	383.5	346.3	306.9	269.5	230.1	187.2	145.0
-52.5°	517.7	473.3	432.1	391.9	357.9	314.3	272.5	237.8	200.9	161.4	125.8
-55°	483.8	442.9	411.1	372.5	340.9	291.2	243.9	206.9	171.9	139.5	106.9
-57.5°	439.4	416.7	367.8	347.8	296.4	258.2	210.5	174.8	142.6	117.6	90.0
-60°	351.8	304.3	284.7	258.0	230.8	207.5	167.3	141.8	111.4	96.3	72.3
-62.5°	213.1	197.1	189.1	175.6	155.0	150.9	114.5	107.2	78.5	74.8	54.8
-65°	143.9	128.8	125.3	106.0	102.3	92.6	80.5	71.8	60.8	55.5	44.4
-67.5°	103.1	95.1	85.6	78.7	71.3	66.2	58.3	52.3	46.9	41.7	34.1
-70°	75.1	69.6	61.6	56.4	51.9	47.2	43.6	38.7	35.0	30.7	24.4
-72.5°	51.6	47.8	42.5	37.7	36.0	33.9	30.6	28.3	25.0	20.6	18.6
-75°	32.4	30.0	27.6	25.3	23.1	22.6	21.7	19.3	16.7	14.9	13.0
-77.5°	19.5	16.9	16.3	15.5	14.0	13.3	13.7	12.5	10.6	9.2	8.4
-80°	9.5	8.0	8.0	8.1	7.0	7.6	8.3	6.7	5.3	5.8	5.5
-82.5°	3.8	3.4	3.4	2.9	2.0	3.5	4.5	4.0	3.5	3.4	2.7
-85°	1.2	1.1	1.8	1.8	1.8	2.3	2.4	2.0	1.7	1.5	1.4
-87.5°	0.0	0.0	1.4	1.3	1.2	1.1	1.0	1.0	0.9	0.8	0.7
-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°	1.2	1.0	0.8	0.9	0.6	0.3	0.0
85°	2.3	1.9	1.6	1.8	1.2	0.6	0.0
82.5°	3.5	2.9	2.4	2.7	1.8	0.9	0.0
80°	4.7	3.9	3.2	3.6	2.4	1.2	0.0
77.5°	5.8	4.9	4.1	4.5	3.0	1.5	0.0
75°	7.0	5.8	4.9	5.3	3.6	1.8	0.0
72.5°	8.6	6.8	5.8	5.9	4.1	2.1	0.0
70°	10.2	8.0	6.6	6.5	4.7	2.4	0.0
67.5°	11.8	9.6	7.5	7.1	5.3	2.6	0.0
65°	13.9	11.2	8.8	7.6	5.7	2.9	0.0
62.5°	16.4	12.9	10.5	8.1	6.2	3.2	0.0
60°	18.9	15.0	12.3	8.6	6.6	3.4	0.0
57.5°	21.6	17.7	14.1	9.2	7.1	3.7	0.0
55°	25.9	20.4	15.9	10.9	7.6	3.9	0.0
52.5°	30.7	23.2	18.1	12.6	8.1	4.2	0.0
50°	35.7	26.8	21.2	14.4	8.7	4.4	0.0
47.5°	41.5	32.7	24.7	16.2	9.3	4.6	0.0
45°	51.7	39.3	29.0	18.1	9.9	4.9	0.0
42.5°	63.0	46.8	34.0	20.1	10.5	5.1	0.0
40°	78.7	54.9	39.5	22.9	11.1	5.3	0.0
37.5°	101.2	63.9	45.5	26.3	11.8	5.5	0.0
35°	132.4	82.4	54.6	31.5	13.4	5.7	0.0
32.5°	169.2	107.7	65.5	37.8	15.4	6.0	0.0
30°	208.2	134.3	77.2	44.5	17.5	6.2	0.0
27.5°	255.5	162.1	94.0	51.5	19.6	6.5	0.0
25°	307.5	190.9	112.3	58.8	21.7	6.7	0.0
22.5°	362.0	224.7	131.5	66.4	23.9	7.0	0.0
20°	420.7	270.0	151.3	74.1	26.0	7.2	0.0
17.5°	500.1	317.3	171.6	82.3	28.1	7.4	0.0
15°	589.8	367.9	192.2	90.7	30.2	7.6	0.0
12.5°	680.0	421.1	212.2	99.1	32.2	7.7	0.0
10°	769.6	467.8	231.8	107.2	34.1	7.9	0.0
7.5°	837.5	507.8	250.7	115.1	35.8	8.0	0.0
5°	895.1	545.3	268.9	122.6	37.4	8.1	0.0
2.5°	948.6	580.1	286.1	129.6	38.8	8.2	0.0
0°	997.5	611.6	302.2	136.1	40.0	8.2	0.0
-2.5°	991.6	604.0	296.7	134.2	39.9	8.3	0.0
-5°	980.6	592.9	289.9	131.6	39.5	8.3	0.0
-7.5°	964.2	578.2	282.0	128.4	38.8	8.3	0.0
-10°	929.1	559.9	272.8	124.7	38.0	8.3	0.0
-12.5°	850.2	525.8	262.7	120.4	37.0	8.3	0.0
-15°	768.5	474.7	249.3	115.5	35.8	8.2	0.0
-17.5°	684.6	425.3	229.5	110.2	34.4	8.1	0.0
-20°	604.7	378.5	209.5	103.9	32.8	8.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	539.9	332.7	189.7	95.8	31.1	7.9	0.0
-25°	479.4	296.3	170.1	87.7	29.3	7.7	0.0
-27.5°	420.9	263.6	151.0	79.6	27.2	7.5	0.0
-30°	366.4	231.3	132.9	71.7	25.1	7.3	0.0
-32.5°	317.7	199.6	118.5	63.9	22.7	7.1	0.0
-35°	269.3	168.6	104.4	56.4	20.3	6.8	0.0
-37.5°	226.0	143.4	92.0	50.1	18.4	6.5	0.0
-40°	192.2	128.1	83.1	45.9	17.7	6.4	0.0
-42.5°	164.2	113.8	74.7	42.1	17.0	6.2	0.0
-45°	140.9	100.5	66.7	38.6	16.2	6.0	0.0
-47.5°	119.5	88.3	59.3	35.2	15.4	5.8	0.0
-50°	107.2	77.2	52.5	31.7	14.5	5.5	0.0
-52.5°	96.7	68.8	45.7	28.2	13.5	5.3	0.0
-55°	86.4	60.6	40.6	24.7	12.5	5.0	0.0
-57.5°	74.5	52.1	35.8	21.2	11.5	4.7	0.0
-60°	61.7	43.4	30.9	19.2	10.3	4.4	0.0
-62.5°	49.6	36.0	25.9	17.1	9.2	4.1	0.0
-65°	38.0	29.8	20.9	14.9	8.0	3.8	0.0
-67.5°	28.9	23.4	16.8	12.6	7.0	3.4	0.0
-70°	22.1	16.8	14.1	10.2	6.2	3.1	0.0
-72.5°	15.7	12.3	11.4	7.7	5.5	2.7	0.0
-75°	10.5	9.6	8.8	5.5	4.7	2.3	0.0
-77.5°	7.6	7.0	6.4	4.6	3.9	2.0	0.0
-80°	4.6	4.5	4.8	3.6	3.2	1.6	0.0
-82.5°	1.8	3.0	3.6	2.7	2.4	1.2	0.0
-85°	1.2	2.0	2.4	1.8	1.6	0.8	0.0
-87.5°	0.6	1.0	1.2	0.9	0.8	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)