

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: P902087 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/13/2024

Test Information

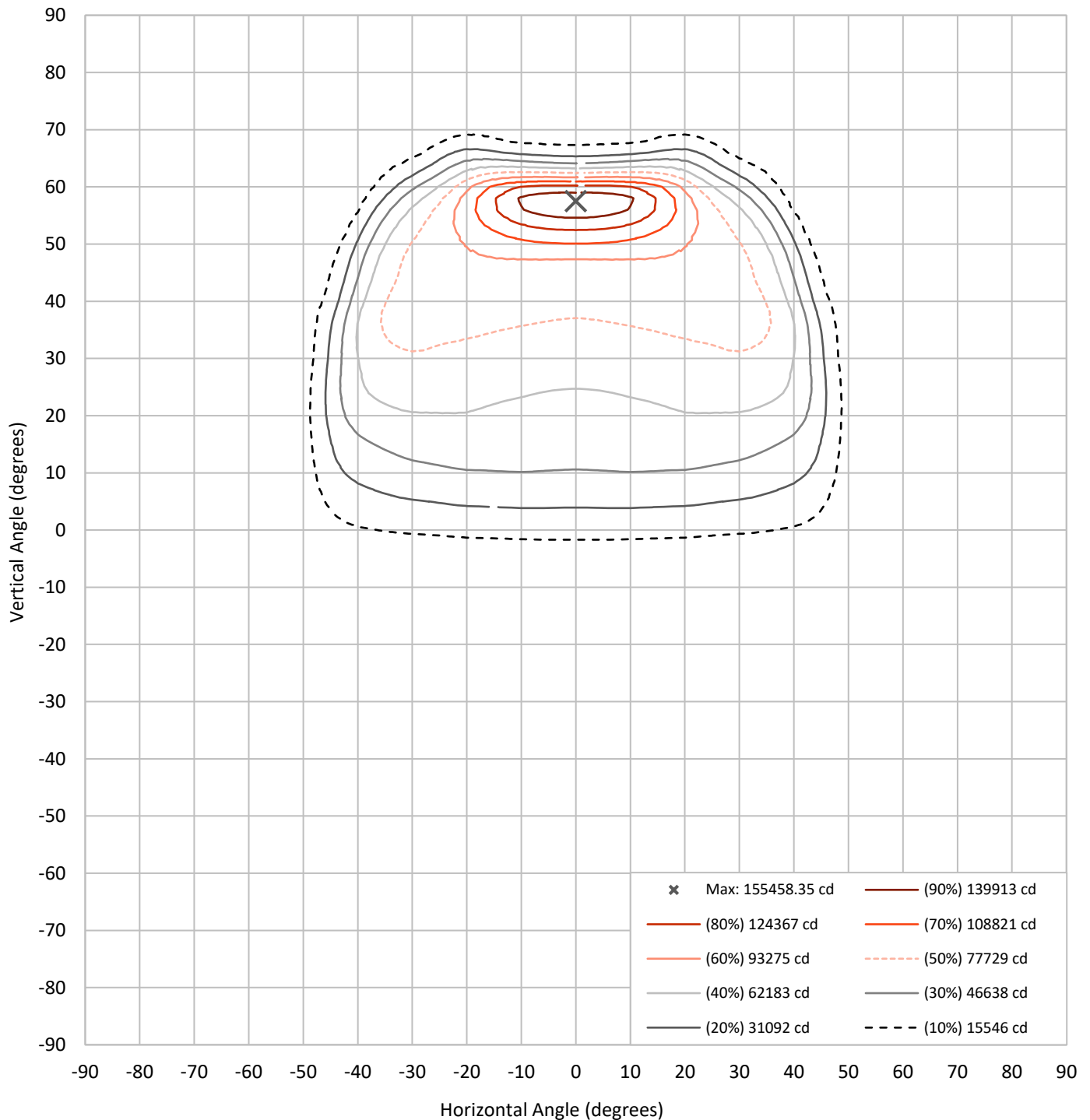
Test Method: LM-79-08
Report Number: P902087 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVM2I005AU)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A55-MNB-LO
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A55-MNB-LO OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	110730.1 lumens	Max Intensity:	155458.4 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 57.5°V
Efficacy:	78.4 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	49.9°H x 25.3°V	Field Angle (10%):	77.7°H x 68.8°V
Beam Lumens:	46493 lumens	Field Lumens:	104328.3 lumens
Beam Efficiency:	42.0%	Field Efficiency:	94.2%
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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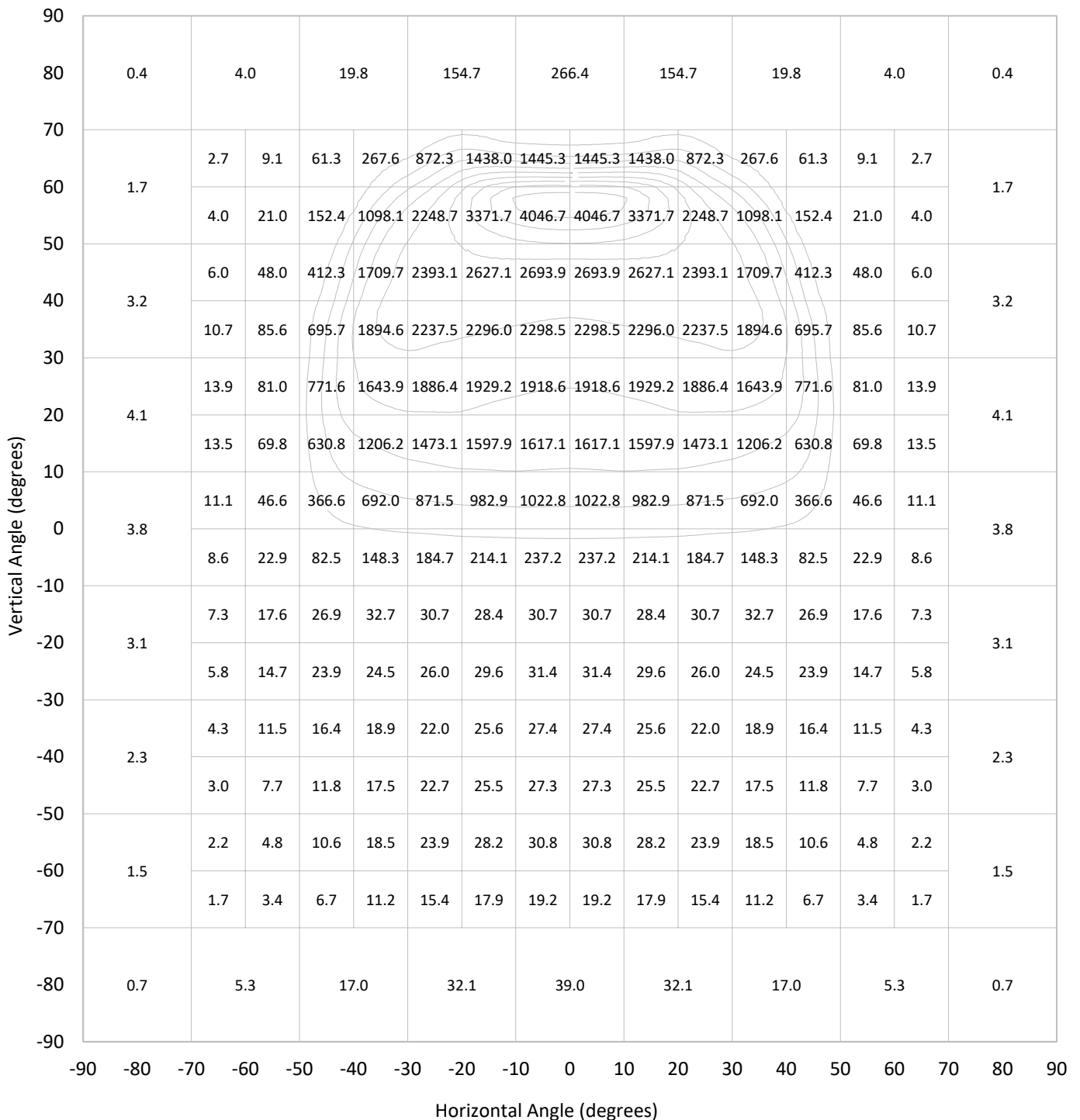
Iso-Candela Plot





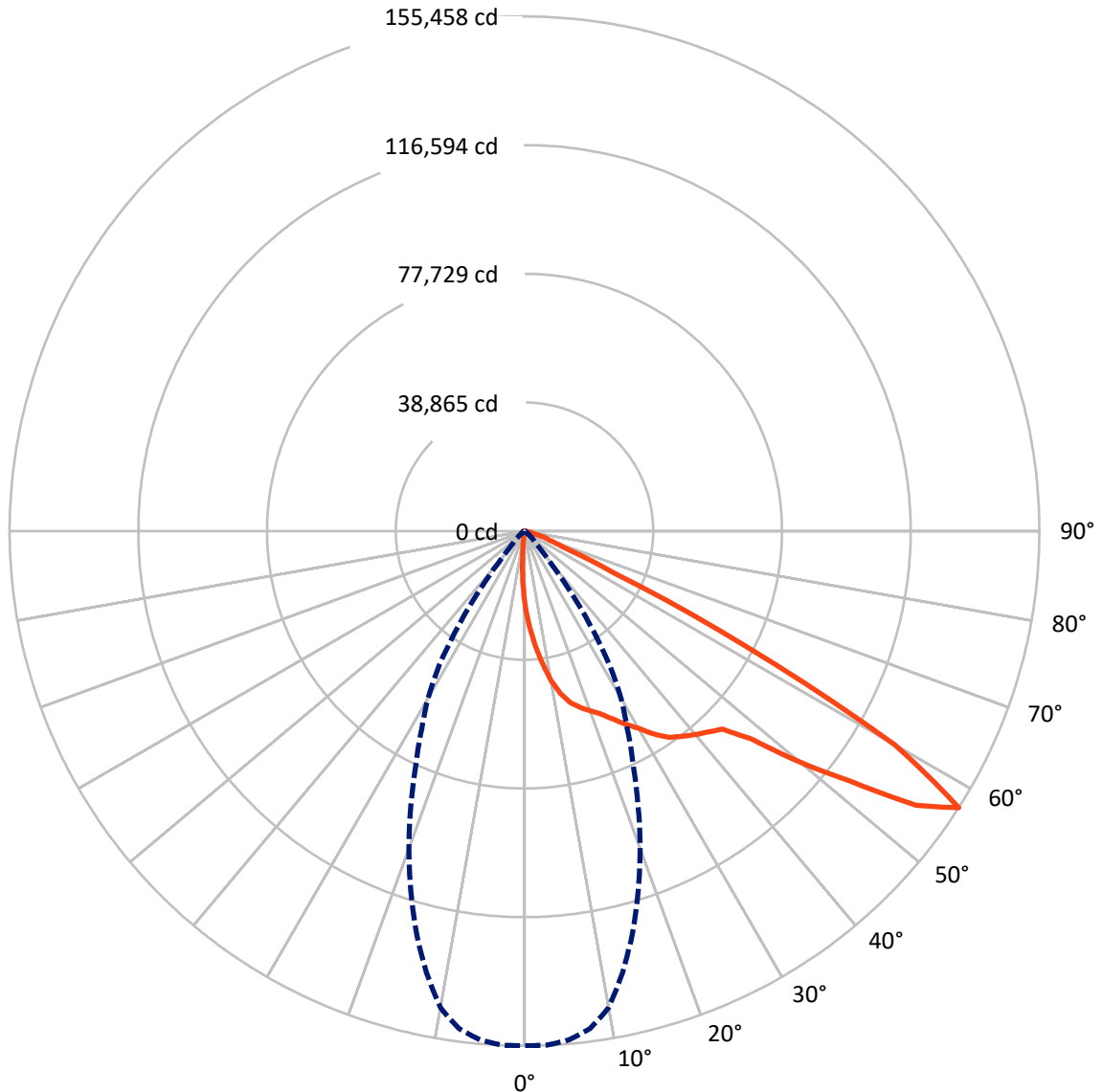
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Lumen Table



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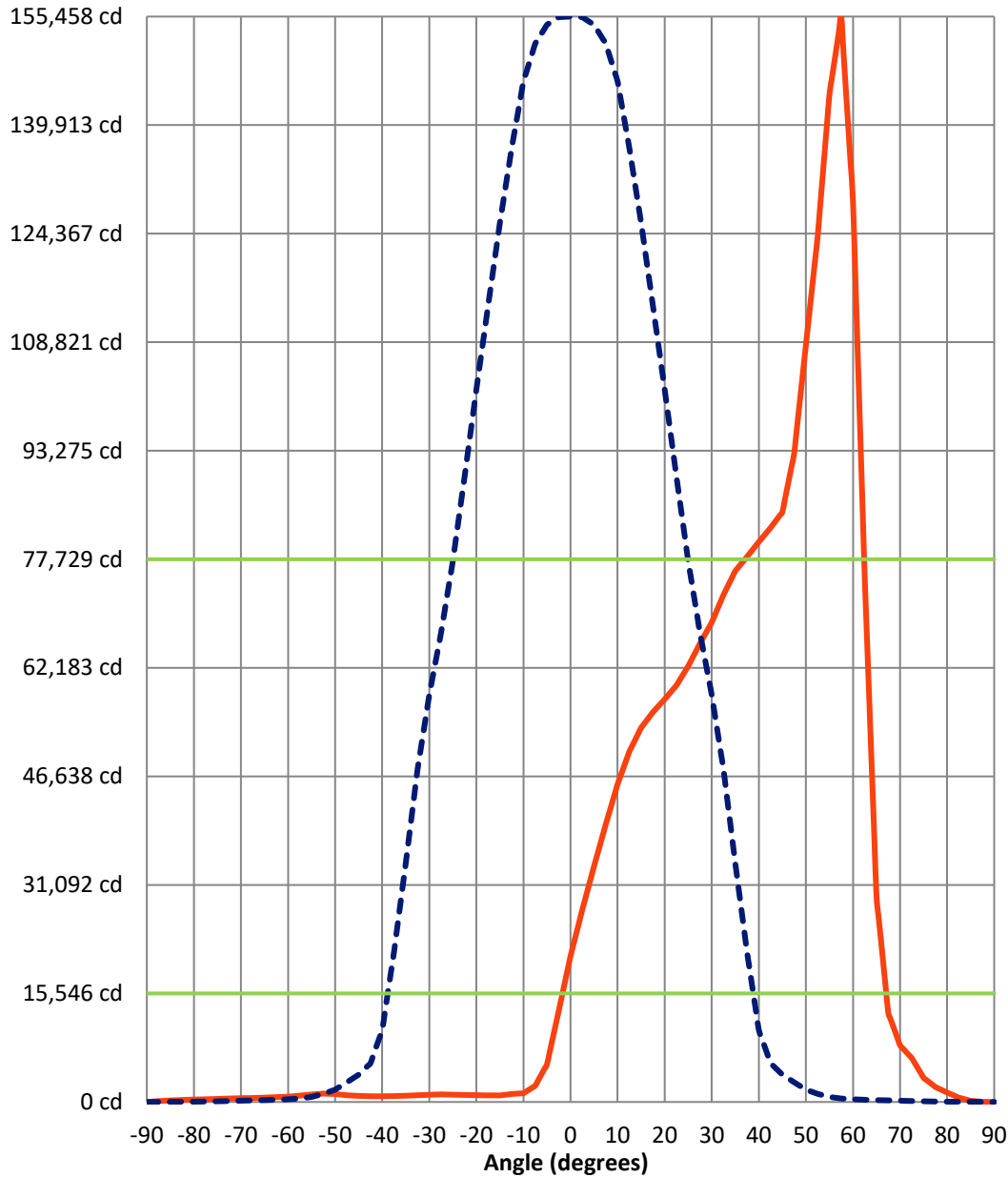
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 49.9°
 V Angle: 25.3°
 Lumens: 46493
 Efficiency: 42.0%

Field:
 H Angle: 77.7°
 V Angle: 68.8°
 Lumens: 104328.3
 Efficiency: 94.2%

Spill:
 Lumens: 6401.8
 Efficiency: 5.8%

— 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	1.0	2.0	3.0	3.9	4.9	5.9	6.8	7.8	8.7	9.6
85°	0.0	2.0	4.0	5.9	7.9	9.8	11.8	13.7	15.5	17.4	19.2
82.5°	0.0	3.0	5.9	8.9	11.8	14.7	17.6	20.5	23.3	26.1	28.8
80°	0.0	3.9	7.9	11.8	15.7	19.5	23.4	27.2	31.0	34.7	38.3
77.5°	0.0	4.9	9.8	14.7	19.4	23.8	29.1	34.0	39.4	44.9	48.2
75°	0.0	5.9	11.8	17.6	22.9	28.1	34.6	41.4	49.6	55.6	67.0
72.5°	0.0	6.8	13.7	20.0	26.2	32.4	40.2	49.0	59.5	81.2	108.1
70°	0.0	7.8	15.5	22.3	29.4	36.4	45.5	56.5	83.5	113.4	144.9
67.5°	0.0	8.7	17.4	24.5	32.6	40.3	50.4	76.1	108.9	140.9	174.3
65°	0.0	9.6	19.0	26.7	35.6	44.2	60.0	97.1	131.4	163.4	202.3
62.5°	0.0	10.5	20.5	28.8	38.5	48.1	74.5	117.3	149.7	185.0	225.9
60°	0.0	11.4	22.0	30.9	41.2	54.3	87.8	127.7	167.3	210.2	249.6
57.5°	0.0	12.2	23.4	33.0	43.8	62.5	99.8	136.2	184.9	234.1	268.5
55°	0.0	13.0	24.8	34.9	46.2	69.5	110.2	145.9	204.3	249.6	284.3
52.5°	0.0	13.8	26.2	36.8	49.2	75.3	120.0	165.3	224.8	265.1	310.0
50°	0.0	14.6	27.6	38.7	54.9	82.1	129.2	183.9	241.9	285.6	336.9
47.5°	0.0	15.4	28.9	40.5	60.7	91.6	138.0	200.3	259.9	314.3	372.0
45°	0.0	16.1	30.2	42.2	66.3	100.6	148.7	213.7	274.2	343.1	409.5
42.5°	0.0	16.8	31.5	43.8	71.6	109.2	158.6	225.1	292.0	372.7	449.4
40°	0.0	17.4	32.7	45.5	76.6	117.3	168.9	237.3	306.4	399.5	489.6
37.5°	0.0	18.0	33.9	47.2	81.3	124.9	179.8	250.4	317.4	417.7	525.7
35°	0.0	18.5	35.0	50.0	86.2	132.5	190.7	261.3	330.1	437.5	587.6
32.5°	0.0	18.8	36.0	53.1	91.1	139.3	200.8	267.5	343.4	455.9	673.7
30°	0.0	19.1	37.0	55.8	95.5	144.9	209.3	271.8	354.0	466.3	739.9
27.5°	0.0	19.3	37.3	58.2	99.3	149.4	215.6	275.1	364.4	472.6	791.3
25°	0.0	19.5	37.7	60.3	102.7	152.8	220.6	277.2	374.3	502.6	847.5
22.5°	0.0	19.7	38.1	62.0	105.7	155.1	224.6	283.8	379.7	541.4	879.0
20°	0.0	19.8	38.6	63.5	108.4	155.8	227.4	291.1	381.0	571.9	898.9
17.5°	0.0	19.9	39.2	65.4	110.8	155.5	227.3	295.0	380.3	595.9	904.5
15°	0.0	19.9	39.7	67.3	112.8	154.9	225.7	295.2	379.1	614.3	906.6
12.5°	0.0	19.9	40.3	68.9	113.3	154.4	223.4	293.2	376.3	625.1	907.5
10°	0.0	19.9	40.8	70.3	112.8	152.9	220.3	290.4	370.9	626.8	892.1
7.5°	0.0	19.9	41.2	71.4	111.7	150.9	217.9	286.7	363.5	620.1	859.7
5°	0.0	19.8	41.6	72.4	110.1	148.2	215.2	282.1	354.7	606.8	818.4
2.5°	0.0	19.7	41.8	73.1	108.0	145.0	211.8	276.4	344.5	588.6	773.7
0°	0.0	19.6	41.9	73.7	105.6	141.1	207.5	269.8	333.1	566.6	723.6
-2.5°	0.0	19.7	42.4	73.1	104.5	140.1	205.0	263.8	326.6	550.4	696.5
-5°	0.0	19.8	42.7	72.4	103.1	138.5	201.9	257.0	319.1	532.0	666.6
-7.5°	0.0	19.9	42.9	71.6	101.5	136.2	198.4	249.4	310.2	511.6	636.8
-10°	0.0	20.0	42.9	70.7	99.6	133.1	194.4	242.2	299.5	489.8	604.7
-12.5°	0.0	20.0	42.8	69.8	97.5	129.4	188.4	235.1	288.0	465.3	579.3
-15°	0.0	20.0	42.6	68.7	95.3	125.6	181.4	228.0	276.6	437.3	555.7
-17.5°	0.0	20.0	42.4	67.7	93.4	122.7	173.3	222.3	266.6	405.3	533.4
-20°	0.0	19.9	42.1	66.7	91.3	120.5	165.6	217.3	257.2	372.0	513.2



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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MNB-LO

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	19.8	41.7	66.0	89.0	117.9	160.5	211.9	249.2	335.0	492.7
-25°	0.0	19.6	41.3	65.1	86.5	114.9	155.1	204.7	242.9	292.3	467.6
-27.5°	0.0	19.4	40.8	64.2	83.9	111.6	149.2	194.3	234.8	262.1	440.1
-30°	0.0	19.2	40.3	63.2	81.1	108.0	142.9	184.7	224.1	256.1	390.9
-32.5°	0.0	18.9	39.1	62.1	78.6	103.9	136.0	175.8	212.5	249.0	339.5
-35°	0.0	18.5	37.8	61.0	76.1	99.6	128.6	167.7	200.2	241.3	284.3
-37.5°	0.0	18.0	36.5	59.5	73.9	95.6	121.9	158.7	188.8	229.8	256.3
-40°	0.0	17.4	35.7	57.2	72.3	92.7	117.0	148.8	179.0	215.0	246.7
-42.5°	0.0	16.8	34.9	54.9	70.5	89.5	112.4	138.8	168.5	202.1	236.8
-45°	0.0	16.1	34.1	52.6	68.4	86.0	108.5	128.8	157.3	190.7	224.8
-47.5°	0.0	15.4	33.5	50.2	66.1	82.1	105.1	121.8	146.0	177.1	211.7
-50°	0.0	14.6	32.9	47.8	63.5	78.0	100.6	117.9	135.1	160.9	198.0
-52.5°	0.0	13.8	32.3	45.3	60.7	74.4	95.1	114.0	124.1	150.4	184.2
-55°	0.0	13.0	31.9	42.9	57.5	70.6	89.0	109.6	120.2	140.9	169.8
-57.5°	0.0	12.2	31.5	40.4	54.2	66.6	81.8	100.7	116.9	131.7	154.9
-60°	0.0	11.4	31.1	39.7	50.8	62.2	76.6	91.4	112.2	126.8	139.8
-62.5°	0.0	10.5	30.8	39.2	47.4	57.7	72.0	81.8	102.0	119.9	129.7
-65°	0.0	9.6	30.5	38.6	43.8	53.3	68.2	78.7	94.1	115.1	123.6
-67.5°	0.0	8.7	29.2	38.0	41.4	48.7	64.4	75.6	89.3	111.1	118.8
-70°	0.0	7.8	26.5	37.3	40.3	44.1	60.0	71.9	83.4	101.8	112.5
-72.5°	0.0	6.8	23.6	36.6	39.1	41.2	55.4	65.4	75.5	87.7	102.8
-75°	0.0	5.9	20.6	34.9	38.0	39.7	50.9	58.8	68.5	75.4	93.7
-77.5°	0.0	4.9	17.4	29.3	36.8	38.3	46.4	53.8	61.4	66.9	84.2
-80°	0.0	3.9	14.0	23.5	31.4	36.8	41.3	52.1	57.0	59.2	73.5
-82.5°	0.0	3.0	10.6	17.7	23.6	29.5	35.2	50.7	53.4	54.9	63.1
-85°	0.0	2.0	7.1	11.8	15.8	19.7	23.5	38.0	43.6	48.7	52.2
-87.5°	0.0	1.0	3.6	5.9	7.9	9.8	11.8	19.1	21.8	24.4	26.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902087 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MNB-LO

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°	10.5	11.4	12.2	13.0	13.8	14.6	15.4	16.1	16.8	17.4	18.0
85°	18.8	19.1	24.2	26.1	25.9	27.0	28.2	29.4	30.5	31.5	32.5
82.5°	21.7	21.3	35.3	38.8	37.2	39.4	41.4	42.3	43.8	45.4	45.3
80°	32.6	36.3	47.6	50.7	50.0	58.8	66.6	73.4	82.7	84.5	86.3
77.5°	49.5	57.7	66.5	73.3	89.0	98.4	109.2	118.7	131.9	136.0	146.2
75°	87.9	95.8	93.1	110.0	125.5	142.3	162.8	179.6	199.9	219.8	241.8
72.5°	133.5	144.1	157.4	169.4	185.8	222.9	253.5	298.2	369.9	429.9	479.5
70°	172.2	196.9	221.1	247.4	280.6	376.4	500.4	596.4	879.8	1144.7	1319.5
67.5°	209.0	245.8	283.8	328.5	437.8	636.4	1050.8	1467.4	2190.3	3302.5	4271.8
65°	248.8	287.6	340.4	400.4	640.5	1094.2	1888.3	3109.5	4502.8	5806.7	7436.9
62.5°	280.1	313.3	391.3	509.7	827.6	1351.8	2587.1	3822.5	5267.5	6857.5	9438.7
60°	295.5	347.1	450.4	622.3	978.5	1525.4	2445.7	3859.3	5060.1	7554.2	13585.3
57.5°	318.6	389.9	498.8	721.4	1166.0	1769.4	2823.3	3918.4	5542.2	10314.1	21458.4
55°	351.8	432.3	518.7	885.7	1534.1	2539.1	3370.5	4350.1	7794.7	16803.1	31588.8
52.5°	385.1	478.4	626.5	1157.8	2172.4	2969.1	3766.2	5331.1	11764.3	25549.0	40804.9
50°	418.1	538.1	776.5	1657.1	2613.8	3416.5	4414.9	7583.0	17151.1	33128.5	48737.7
47.5°	452.4	601.0	1142.5	2142.6	3113.5	4125.7	5634.2	10946.7	24173.6	39791.2	56087.7
45°	502.5	790.8	1487.5	2612.2	3681.8	4794.3	6750.8	13803.9	28509.5	44850.6	61012.4
42.5°	555.6	998.6	1898.4	3082.3	4225.2	5537.4	7949.9	17878.5	32897.3	49802.5	64666.7
40°	715.8	1286.6	2354.8	3687.4	4918.9	6463.0	11276.6	21752.3	37778.4	56191.1	69268.9
37.5°	868.6	1600.4	3064.1	4608.2	5888.2	7684.4	13902.5	26414.4	44285.8	61196.4	72785.6
35°	1015.6	1902.0	3811.7	5391.5	6507.1	8451.3	16047.2	30270.7	48228.3	63529.6	73430.1
32.5°	1164.2	2285.4	3917.1	5152.7	6190.8	8637.0	17356.3	32541.4	49674.2	63535.5	71629.0
30°	1249.9	2468.4	3785.1	4656.3	5431.0	7831.9	18156.2	34152.4	50110.5	61899.2	69519.7
27.5°	1327.5	2440.3	3550.8	4246.7	5092.3	8833.7	19692.2	35829.5	50533.7	60617.6	67284.1
25°	1404.7	2407.3	3344.7	4017.5	4941.7	9073.6	20778.9	37329.9	51848.5	59621.5	64852.6
22.5°	1450.7	2348.6	3218.9	3824.5	4864.1	9436.6	21434.4	36890.3	49407.6	56909.2	60864.6
20°	1437.1	2247.5	3042.3	3649.3	4785.7	9876.8	21166.2	35929.3	46612.3	52946.4	56218.6
17.5°	1400.2	2099.2	2833.8	3426.3	4508.8	9537.8	20233.8	33679.8	42732.3	48029.9	51128.6
15°	1335.0	1974.4	2611.1	3176.7	4154.5	9235.0	19250.7	30977.8	38893.3	43498.0	46221.7
12.5°	1294.6	1824.2	2392.4	2949.8	4074.2	8539.2	17922.7	28551.1	35230.9	39030.3	41444.3
10°	1234.9	1690.7	2186.1	2732.3	3795.4	7860.0	16222.8	25784.6	31175.3	34492.7	36724.7
7.5°	1158.4	1536.9	1970.5	2472.7	3374.2	6897.2	14114.4	22130.6	26907.2	29843.8	31833.5
5°	1068.3	1368.2	1761.6	2221.2	2924.9	5715.6	11701.3	18301.2	22437.8	24887.9	26556.9
2.5°	976.1	1206.1	1588.3	1965.4	2467.9	4436.5	9023.5	14220.4	17673.3	19641.9	20999.1
0°	877.8	1043.0	1440.3	1702.9	1994.2	3130.9	6336.4	10002.5	12693.8	14203.7	15167.2
-2.5°	834.0	980.1	1201.4	1389.9	1601.6	2104.8	3684.1	5671.4	7356.3	8308.4	8885.8
-5°	789.4	921.2	1043.8	1204.5	1353.0	1570.7	2049.8	2726.2	3389.0	3808.9	4018.2
-7.5°	759.1	879.9	997.8	1121.7	1227.9	1328.2	1449.6	1542.6	1688.4	1820.7	1757.0
-10°	727.8	849.3	961.6	1074.3	1185.4	1241.5	1302.6	1327.2	1347.3	1403.5	1438.8
-12.5°	705.0	824.9	931.7	1040.6	1144.5	1216.4	1252.6	1286.0	1300.6	1341.3	1371.9
-15°	681.4	793.0	905.3	1018.7	1112.0	1190.7	1221.5	1249.2	1257.9	1297.5	1321.8
-17.5°	648.6	765.6	864.4	976.2	1087.8	1150.4	1206.8	1220.9	1221.5	1246.0	1278.7
-20°	610.9	737.0	825.7	925.3	1056.4	1114.8	1177.9	1204.6	1201.9	1220.4	1264.5



REPORT NUMBER: P902087 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MNB-LO

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	583.0	698.2	774.5	877.4	1007.8	1081.3	1131.5	1187.4	1206.1	1232.3	1180.3
-25°	553.0	641.2	713.5	831.3	947.8	1028.1	1097.9	1173.7	1205.9	1133.3	1005.2
-27.5°	519.1	594.0	680.7	786.3	893.4	979.0	1062.9	1111.9	1080.1	957.5	887.9
-30°	489.3	566.4	648.1	731.9	846.5	931.4	1027.2	1023.7	933.3	842.2	874.9
-32.5°	464.4	537.6	616.7	694.1	786.7	866.9	911.0	884.4	786.7	837.9	839.2
-35°	436.7	507.6	583.0	661.2	732.7	778.9	776.6	714.1	749.2	776.1	768.7
-37.5°	382.3	476.5	545.0	615.7	687.0	695.8	630.6	631.0	677.4	691.0	691.7
-40°	318.9	445.0	510.8	571.4	604.3	593.7	537.4	569.8	612.6	627.6	647.4
-42.5°	259.1	397.6	478.3	530.6	544.6	490.4	502.0	546.4	581.1	605.9	624.8
-45°	248.2	319.8	444.3	476.5	469.2	443.4	476.3	537.9	564.7	600.4	624.0
-47.5°	237.0	257.5	372.7	420.2	391.6	430.9	481.6	536.8	597.4	645.2	685.8
-50°	222.8	245.3	284.3	350.1	346.1	408.1	479.1	544.4	640.0	703.7	745.3
-52.5°	207.4	230.4	252.9	285.9	320.1	376.9	448.5	543.5	644.0	737.3	782.3
-55°	193.6	220.9	232.5	255.0	299.7	344.6	414.4	489.9	582.1	679.0	751.9
-57.5°	176.4	206.4	222.6	235.0	274.5	317.7	377.3	430.6	490.2	568.6	648.0
-60°	162.0	186.2	210.6	223.9	247.7	291.9	331.0	374.0	430.8	489.4	531.1
-62.5°	152.9	170.6	194.4	207.0	223.9	263.6	296.4	334.6	384.9	427.4	466.5
-65°	145.6	154.4	175.2	188.0	209.7	234.2	271.5	304.6	336.2	372.4	407.0
-67.5°	140.3	151.5	156.4	174.6	197.3	222.6	250.9	279.1	309.2	342.1	367.7
-70°	129.1	148.6	152.4	159.8	177.2	204.3	229.1	255.3	282.8	317.8	341.9
-72.5°	114.9	128.9	140.3	143.5	161.2	185.1	206.9	230.3	255.5	281.9	300.7
-75°	104.9	112.1	125.2	137.9	150.8	163.9	182.5	206.3	228.7	250.8	259.9
-77.5°	93.4	98.8	113.0	130.4	140.0	143.8	169.8	191.9	209.2	223.7	227.5
-80°	79.9	84.4	96.1	117.7	130.6	134.9	153.9	170.3	189.8	200.4	201.7
-82.5°	66.9	70.0	73.2	93.0	101.9	115.8	127.0	136.0	153.0	171.5	177.2
-85°	54.3	56.4	58.5	67.2	71.8	83.7	88.6	98.3	113.8	129.7	135.2
-87.5°	29.4	31.9	34.2	36.6	38.8	41.0	43.1	56.2	58.7	61.0	63.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	-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°	18.5	19.0	19.4	19.8	20.4	20.5	23.0	23.4	23.9	24.6	24.9
85°	34.1	35.9	37.6	39.1	42.3	41.9	50.4	51.8	57.4	65.6	73.3
82.5°	60.9	67.0	69.1	75.2	82.2	82.4	82.1	92.8	117.6	152.8	234.7
80°	97.7	110.2	116.3	132.8	148.3	157.0	160.6	219.3	385.7	610.8	798.0
77.5°	179.0	195.1	205.6	221.9	251.1	283.3	373.4	718.8	1224.7	1635.1	1912.0
75°	281.8	329.5	363.4	399.5	461.8	634.3	1210.9	2060.8	2783.7	3275.2	3526.7
72.5°	593.9	766.6	1037.8	1427.9	1891.4	2805.2	4118.7	5109.2	5627.4	5875.5	6012.5
70°	1702.4	2166.4	2536.5	3331.9	5773.4	9504.1	11331.3	11264.3	10192.0	9022.2	8267.0
67.5°	4840.2	5565.7	6494.4	9504.0	16276.1	22005.4	24037.8	22566.3	19656.3	16617.9	14600.1
65°	9312.6	11284.2	14286.2	20614.8	29476.6	37695.0	42690.2	43834.5	41838.5	39215.8	36294.8
62.5°	14224.7	20285.0	27667.8	35738.6	44973.4	55207.6	64816.8	72521.6	77004.1	78607.9	78555.1
60°	22442.8	33283.1	43701.1	52849.8	63074.9	75473.5	89245.5	101907.5	112034.6	119657.8	124670.7
57.5°	34195.7	47601.6	58299.6	67199.3	77466.2	89570.2	102047.5	114069.7	125906.4	136605.5	146166.6
55°	46766.5	58915.6	68071.4	76213.5	84351.4	93592.8	102401.2	111536.6	120467.7	128368.6	134185.3
52.5°	55695.1	66374.9	74370.0	80581.4	86209.5	92251.8	97936.6	103774.1	109420.1	114191.9	118044.3
50°	63039.4	72396.8	78529.1	83138.6	87282.3	90569.6	93865.4	96714.3	99537.8	102458.1	104766.0
47.5°	68314.2	76306.6	81688.6	85234.4	88114.9	89912.1	91012.7	92146.1	92845.1	93097.5	93039.6
45°	71436.2	78008.8	82416.9	85389.7	87119.5	87813.0	87883.1	87931.8	87708.4	87028.7	86318.5
42.5°	74183.9	80060.4	83858.9	86360.2	87416.3	86961.2	86808.9	86443.9	85840.0	85010.2	84265.9
40°	77821.3	83195.1	86179.0	87419.6	87041.8	86150.4	85833.4	84886.3	84578.9	83536.7	82539.6
37.5°	80435.7	85017.2	86491.6	85874.3	83889.4	83945.9	82805.7	81948.2	81347.3	80532.0	79747.7
35°	79581.0	82019.2	83658.9	82316.8	80858.2	80563.5	79679.0	78976.1	78146.1	77496.8	77006.0
32.5°	76353.0	78551.4	79258.1	79049.3	77757.5	77265.7	76515.0	75990.8	75088.6	74282.0	73991.0
30°	73636.9	75580.7	76231.6	75891.9	74711.3	73937.7	73358.2	72383.8	71304.9	70596.3	69981.8
27.5°	70822.9	72694.9	73347.1	72666.8	71912.8	71195.9	70497.0	69445.3	68317.5	67592.3	67065.3
25°	67453.1	69261.6	69645.8	69189.7	68583.7	68109.5	67447.7	66348.8	65342.3	64621.7	64067.3
22.5°	63126.4	64824.4	65515.3	65327.4	65068.1	64830.5	64330.7	63443.3	62589.4	61896.8	61388.7
20°	58418.0	60237.2	61125.9	61367.6	61476.5	61660.4	61535.4	60878.5	60239.5	59715.4	59180.8
17.5°	53467.2	55554.5	56788.1	57291.2	57894.5	58511.6	58731.7	58381.0	58007.8	57698.0	57374.5
15°	48551.1	50693.8	52195.0	53060.2	53881.2	54838.7	55323.8	55247.2	55170.0	55158.3	54994.0
12.5°	43682.5	45782.8	47327.3	48226.0	49268.2	50339.9	50880.2	51082.6	51144.6	51318.5	51427.4
10°	38765.6	40668.8	41956.5	42867.3	43849.4	44892.5	45512.8	45701.1	45893.1	46222.5	46351.0
7.5°	33606.8	35222.8	36288.1	37043.8	37926.4	38889.2	39475.2	39666.1	39855.4	40171.7	40384.4
5°	28112.5	29485.6	30400.8	30973.7	31781.7	32626.7	33169.9	33357.0	33562.5	33868.0	34088.1
2.5°	22280.3	23424.9	24253.0	24655.9	25373.2	26156.1	26723.1	26943.2	27170.1	27411.2	27624.7
0°	16073.2	16960.1	17489.4	17920.3	18510.6	19251.0	19804.8	20046.9	20226.2	20443.7	20656.7
-2.5°	9378.3	9827.0	10157.5	10349.7	10799.2	11350.4	11767.1	11990.3	12142.1	12404.5	12672.8
-5°	3963.0	4018.1	4114.7	4010.0	4172.3	4389.3	4549.2	4573.4	4612.5	4787.7	4939.3
-7.5°	1689.9	1761.3	1641.1	1708.4	1681.3	1681.1	1748.1	1769.5	1739.9	1281.0	1605.9
-10°	1441.5	1404.6	1390.2	1382.1	1389.8	1401.4	1364.8	1107.6	979.4	995.7	1036.2
-12.5°	1374.2	1361.1	1338.7	1350.3	1346.2	1199.0	943.3	955.9	968.4	976.1	974.2
-15°	1327.3	1338.7	1337.7	1251.1	1023.5	919.1	920.8	945.1	950.4	951.7	959.4
-17.5°	1303.3	1305.8	1195.2	947.2	913.7	906.1	925.9	939.8	937.5	944.0	940.8
-20°	1217.9	1085.3	936.8	939.8	916.0	926.7	935.5	944.0	946.1	957.0	964.2



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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°	1027.1	913.5	932.2	933.7	937.5	948.1	954.5	959.4	978.4	994.9	1005.0
-25°	919.1	907.2	928.2	939.1	953.1	971.1	991.5	1003.2	1023.1	1033.1	1039.2
-27.5°	913.7	913.3	907.0	926.0	952.5	973.9	1003.7	1037.3	1051.8	1077.9	1077.4
-30°	877.6	868.6	878.5	886.6	894.2	926.8	952.8	988.9	1011.1	1024.9	1028.8
-32.5°	813.6	797.7	807.0	813.8	826.9	858.1	881.2	898.1	924.4	937.2	951.2
-35°	749.3	730.4	734.9	750.9	767.9	796.6	821.4	848.1	850.8	870.8	882.2
-37.5°	696.9	714.1	721.3	737.2	741.4	770.2	781.2	800.7	810.4	826.3	833.7
-40°	653.7	679.2	729.4	749.1	746.9	760.4	762.7	773.9	789.4	801.0	810.8
-42.5°	656.7	710.6	748.8	762.6	763.9	777.6	769.6	786.1	787.0	799.2	807.5
-45°	682.8	734.0	771.4	798.0	811.7	832.9	824.5	827.1	839.9	835.3	847.5
-47.5°	726.6	774.8	825.3	849.9	863.5	893.1	892.1	906.7	918.2	939.8	945.3
-50°	798.5	818.0	884.4	913.1	933.2	957.9	993.6	1033.9	1055.5	1070.7	1095.5
-52.5°	823.5	851.7	903.0	934.5	980.8	1001.9	1040.0	1066.9	1125.5	1138.9	1151.2
-55°	817.3	825.7	842.3	876.5	893.3	928.5	945.7	973.1	1009.1	1040.6	1045.5
-57.5°	692.7	727.2	747.8	766.8	780.4	792.8	792.9	811.3	835.2	856.7	872.9
-60°	569.6	615.7	660.3	684.7	680.8	690.9	708.8	721.2	732.1	741.4	749.2
-62.5°	495.9	531.0	558.0	600.3	616.6	626.0	637.4	646.8	659.3	670.8	680.0
-65°	436.3	475.4	512.4	529.7	564.5	576.1	591.9	602.7	610.4	612.0	613.6
-67.5°	392.8	425.5	455.2	474.9	503.7	522.0	538.5	552.6	556.1	560.1	561.7
-70°	350.1	379.2	407.4	432.5	451.7	470.4	484.9	500.3	513.7	521.8	535.2
-72.5°	318.8	343.3	360.3	375.4	399.0	415.0	426.3	442.9	462.6	472.8	478.9
-75°	284.2	306.0	322.1	335.4	357.5	374.3	380.0	388.0	406.6	423.0	428.7
-77.5°	252.8	270.4	287.4	306.3	316.3	329.4	340.8	345.0	347.6	367.1	371.9
-80°	218.9	239.8	257.8	268.3	281.6	286.1	304.0	316.5	322.2	327.1	330.5
-82.5°	193.4	213.6	220.7	223.0	241.1	247.7	258.3	266.0	274.4	278.1	286.1
-85°	137.5	144.4	170.7	173.7	200.8	206.6	208.0	212.9	210.8	212.0	220.4
-87.5°	79.5	81.5	85.3	87.6	104.4	107.3	109.4	110.9	123.3	124.4	125.4
-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):

	-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°	28.2	28.0	27.7	31.9	27.7	28.0	28.2	24.9	24.6	23.9	23.4
85°	112.8	124.2	146.9	174.8	146.9	124.2	112.8	73.3	65.6	57.4	51.8
82.5°	380.4	501.7	589.6	624.9	589.6	501.7	380.4	234.7	152.8	117.6	92.8
80°	977.8	1165.2	1320.0	1356.1	1320.0	1165.2	977.8	798.0	610.8	385.7	219.3
77.5°	2047.3	2130.9	2147.2	2152.5	2147.2	2130.9	2047.3	1912.0	1635.1	1224.7	718.8
75°	3550.9	3491.6	3430.6	3463.1	3430.6	3491.6	3550.9	3526.7	3275.2	2783.7	2060.8
72.5°	6116.2	6184.6	6227.3	6276.8	6227.3	6184.6	6116.2	6012.5	5875.5	5627.4	5109.2
70°	8080.0	8087.2	8128.2	8114.9	8128.2	8087.2	8080.0	8267.0	9022.2	10192.0	11264.3
67.5°	13642.4	13183.2	12909.9	12783.9	12909.9	13183.2	13642.4	14600.1	16617.9	19656.3	22566.3
65°	33654.1	31632.4	30156.6	29477.8	30156.6	31632.4	33654.1	36294.8	39215.8	41838.5	43834.5
62.5°	77996.6	77240.7	76045.9	75168.9	76045.9	77240.7	77996.6	78555.1	78607.9	77004.1	72521.6
60°	127784.1	129481.3	129686.0	129113.3	129686.0	129481.3	127784.1	124670.7	119657.8	112034.6	101907.5
57.5°	151561.0	154276.1	155366.2	155458.4	155366.2	154276.1	151561.0	146166.6	136605.5	125906.4	114069.7
55°	138857.1	142182.8	143848.2	144288.1	143848.2	142182.8	138857.1	134185.3	128368.6	120467.7	111536.6
52.5°	121010.9	122948.3	123767.8	123970.9	123767.8	122948.3	121010.9	118044.3	114191.9	109420.1	103774.1
50°	106519.2	107604.8	108157.3	108376.5	108157.3	107604.8	106519.2	104766.0	102458.1	99537.8	96714.3
47.5°	92930.0	93051.9	92905.5	92827.1	92905.5	93051.9	92930.0	93039.6	93097.5	92845.1	92146.1
45°	85860.0	85275.7	84755.3	84480.6	84755.3	85275.7	85860.0	86318.5	87028.7	87708.4	87931.8
42.5°	83610.8	83022.4	82492.3	82242.1	82492.3	83022.4	83610.8	84265.9	85010.2	85840.0	86443.9
40°	81709.9	80991.4	80469.2	80211.1	80469.2	80991.4	81709.9	82539.6	83536.7	84578.9	84886.3
37.5°	79135.5	78585.8	78244.3	78094.2	78244.3	78585.8	79135.5	79747.7	80532.0	81347.3	81948.2
35°	76607.3	76244.8	76098.0	76045.4	76098.0	76244.8	76607.3	77006.0	77496.8	78146.1	78976.1
32.5°	73404.2	72948.1	72774.4	72641.0	72774.4	72948.1	73404.2	73991.0	74282.0	75088.6	75990.8
30°	69543.6	69115.2	68784.1	68685.0	68784.1	69115.2	69543.6	69981.8	70596.3	71304.9	72383.8
27.5°	66573.1	66078.8	65726.7	65665.7	65726.7	66078.8	66573.1	67065.3	67592.3	68317.5	69445.3
25°	63455.7	62924.9	62577.3	62420.5	62577.3	62924.9	63455.7	64067.3	64621.7	65342.3	66348.8
22.5°	60725.0	60144.2	59777.8	59666.9	59777.8	60144.2	60725.0	61388.7	61896.8	62589.4	63443.3
20°	58586.4	58055.2	57705.8	57672.3	57705.8	58055.2	58586.4	59180.8	59715.4	60239.5	60878.5
17.5°	56798.3	56313.0	55982.1	55823.4	55982.1	56313.0	56798.3	57374.5	57698.0	58007.8	58381.0
15°	54550.6	54174.5	53811.4	53594.0	53811.4	54174.5	54550.6	54994.0	55158.3	55170.0	55247.2
12.5°	51090.5	50709.9	50386.2	50187.7	50386.2	50709.9	51090.5	51427.4	51318.5	51144.6	51082.6
10°	46183.5	45865.2	45656.7	45525.5	45656.7	45865.2	46183.5	46351.0	46222.5	45893.1	45701.1
7.5°	40336.0	40064.8	39831.8	39778.8	39831.8	40064.8	40336.0	40384.4	40171.7	39855.4	39666.1
5°	34098.2	33954.5	33792.8	33769.2	33792.8	33954.5	34098.2	34088.1	33868.0	33562.5	33357.0
2.5°	27670.3	27659.6	27541.8	27513.7	27541.8	27659.6	27670.3	27624.7	27411.2	27170.1	26943.2
0°	20789.6	20842.3	20871.9	20893.3	20871.9	20842.3	20789.6	20656.7	20443.7	20226.2	20046.9
-2.5°	12920.6	13000.4	13038.9	13043.3	13038.9	13000.4	12920.6	12672.8	12404.5	12142.1	11990.3
-5°	5018.8	5613.6	5163.3	5399.9	5163.3	5613.6	5018.8	4939.3	4787.7	4612.5	4573.4
-7.5°	1641.5	2301.7	2425.3	2319.1	2425.3	2301.7	1641.5	1605.9	1281.0	1739.9	1769.5
-10°	1211.5	1311.3	1270.1	1254.2	1270.1	1311.3	1211.5	1036.2	995.7	979.4	1107.6
-12.5°	972.2	1043.3	1119.6	1146.3	1119.6	1043.3	972.2	974.2	976.1	968.4	955.9
-15°	957.1	949.2	950.2	943.8	950.2	949.2	957.1	959.4	951.7	950.4	945.1
-17.5°	949.9	946.0	951.1	950.2	951.1	946.0	949.9	940.8	944.0	937.5	939.8
-20°	967.7	969.0	964.6	973.9	964.6	969.0	967.7	964.2	957.0	946.1	944.0



REPORT NUMBER: P902087 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MNB-LO

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1000.9	1005.0	1001.8	1002.1	1001.8	1005.0	1000.9	1005.0	994.9	978.4	959.4
-25°	1049.0	1047.7	1045.8	1047.6	1045.8	1047.7	1049.0	1039.2	1033.1	1023.1	1003.2
-27.5°	1082.5	1098.3	1090.1	1087.6	1090.1	1098.3	1082.5	1077.4	1077.9	1051.8	1037.3
-30°	1040.6	1036.1	1029.7	1030.3	1029.7	1036.1	1040.6	1028.8	1024.9	1011.1	988.9
-32.5°	960.0	959.0	964.1	966.6	964.1	959.0	960.0	951.2	937.2	924.4	898.1
-35°	879.7	890.7	892.5	894.7	892.5	890.7	879.7	882.2	870.8	850.8	848.1
-37.5°	839.4	844.2	846.5	847.4	846.5	844.2	839.4	833.7	826.3	810.4	800.7
-40°	815.2	817.5	817.4	817.3	817.4	817.5	815.2	810.8	801.0	789.4	773.9
-42.5°	817.2	819.4	824.8	824.1	824.8	819.4	817.2	807.5	799.2	787.0	786.1
-45°	854.3	855.6	864.2	871.0	864.2	855.6	854.3	847.5	835.3	839.9	827.1
-47.5°	930.4	970.2	964.1	965.7	964.1	970.2	930.4	945.3	939.8	918.2	906.7
-50°	1102.7	1122.1	1139.0	1139.5	1139.0	1122.1	1102.7	1095.5	1070.7	1055.5	1033.9
-52.5°	1159.7	1191.1	1195.8	1197.3	1195.8	1191.1	1159.7	1151.2	1138.9	1125.5	1066.9
-55°	1044.8	1058.4	1066.7	1069.4	1066.7	1058.4	1044.8	1045.5	1040.6	1009.1	973.1
-57.5°	885.2	897.6	900.5	907.4	900.5	897.6	885.2	872.9	856.7	835.2	811.3
-60°	755.2	759.4	761.9	762.7	761.9	759.4	755.2	749.2	741.4	732.1	721.2
-62.5°	687.2	691.5	694.0	695.3	694.0	691.5	687.2	680.0	670.8	659.3	646.8
-65°	619.3	623.5	625.5	627.1	625.5	623.5	619.3	613.6	612.0	610.4	602.7
-67.5°	566.5	569.1	570.6	571.1	570.6	569.1	566.5	561.7	560.1	556.1	552.6
-70°	542.0	545.8	550.9	551.5	550.9	545.8	542.0	535.2	521.8	513.7	500.3
-72.5°	487.7	490.2	501.4	502.4	501.4	490.2	487.7	478.9	472.8	462.6	442.9
-75°	435.8	438.2	447.3	441.5	447.3	438.2	435.8	428.7	423.0	406.6	388.0
-77.5°	384.9	388.1	394.1	391.4	394.1	388.1	384.9	371.9	367.1	347.6	345.0
-80°	343.4	345.0	345.7	351.3	345.7	345.0	343.4	330.5	327.1	322.2	316.5
-82.5°	287.5	288.3	288.8	288.9	288.8	288.3	287.5	286.1	278.1	274.4	266.0
-85°	221.6	222.3	222.8	223.9	222.8	222.3	221.6	220.4	212.0	210.8	212.9
-87.5°	126.1	126.6	126.9	127.4	126.9	126.6	126.1	125.4	124.4	123.3	110.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902087 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MNB-LO

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°	23.0	20.5	20.4	19.8	19.4	19.0	18.5	18.0	17.4	16.8	16.1
85°	50.4	41.9	42.3	39.1	37.6	35.9	34.1	32.5	31.5	30.5	29.4
82.5°	82.1	82.4	82.2	75.2	69.1	67.0	60.9	45.3	45.4	43.8	42.3
80°	160.6	157.0	148.3	132.8	116.3	110.2	97.7	86.3	84.5	82.7	73.4
77.5°	373.4	283.3	251.1	221.9	205.6	195.1	179.0	146.2	136.0	131.9	118.7
75°	1210.9	634.3	461.8	399.5	363.4	329.5	281.8	241.8	219.8	199.9	179.6
72.5°	4118.7	2805.2	1891.4	1427.9	1037.8	766.6	593.9	479.5	429.9	369.9	298.2
70°	11331.3	9504.1	5773.4	3331.9	2536.5	2166.4	1702.4	1319.5	1144.7	879.8	596.4
67.5°	24037.8	22005.4	16276.1	9504.0	6494.4	5565.7	4840.2	4271.8	3302.5	2190.3	1467.4
65°	42690.2	37695.0	29476.6	20614.8	14286.2	11284.2	9312.6	7436.9	5806.7	4502.8	3109.5
62.5°	64816.8	55207.6	44973.4	35738.6	27667.8	20285.0	14224.7	9438.7	6857.5	5267.5	3822.5
60°	89245.5	75473.5	63074.9	52849.8	43701.1	33283.1	22442.8	13585.3	7554.2	5060.1	3859.3
57.5°	102047.5	89570.2	77466.2	67199.3	58299.6	47601.6	34195.7	21458.4	10314.1	5542.2	3918.4
55°	102401.2	93592.8	84351.4	76213.5	68071.4	58915.6	46766.5	31588.8	16803.1	7794.7	4350.1
52.5°	97936.6	92251.8	86209.5	80581.4	74370.0	66374.9	55695.1	40804.9	25549.0	11764.3	5331.1
50°	93865.4	90569.6	87282.3	83138.6	78529.1	72396.8	63039.4	48737.7	33128.5	17151.1	7583.0
47.5°	91012.7	89912.1	88114.9	85234.4	81688.6	76306.6	68314.2	56087.7	39791.2	24173.6	10946.7
45°	87883.1	87813.0	87119.5	85389.7	82416.9	78008.8	71436.2	61012.4	44850.6	28509.5	13803.9
42.5°	86808.9	86961.2	87416.3	86360.2	83858.9	80060.4	74183.9	64666.7	49802.5	32897.3	17878.5
40°	85833.4	86150.4	87041.8	87419.6	86179.0	83195.1	77821.3	69268.9	56191.1	37778.4	21752.3
37.5°	82805.7	83945.9	83889.4	85874.3	86491.6	85017.2	80435.7	72785.6	61196.4	44285.8	26414.4
35°	79679.0	80563.5	80858.2	82316.8	83658.9	82019.2	79581.0	73430.1	63529.6	48228.3	30270.7
32.5°	76515.0	77265.7	77757.5	79049.3	79258.1	78551.4	76353.0	71629.0	63535.5	49674.2	32541.4
30°	73358.2	73937.7	74711.3	75891.9	76231.6	75580.7	73636.9	69519.7	61899.2	50110.5	34152.4
27.5°	70497.0	71195.9	71912.8	72666.8	73347.1	72694.9	70822.9	67284.1	60617.6	50533.7	35829.5
25°	67447.7	68109.5	68583.7	69189.7	69645.8	69261.6	67453.1	64852.6	59621.5	51848.5	37329.9
22.5°	64330.7	64830.5	65068.1	65327.4	65515.3	64824.4	63126.4	60864.6	56909.2	49407.6	36890.3
20°	61535.4	61660.4	61476.5	61367.6	61125.9	60237.2	58418.0	56218.6	52946.4	46612.3	35929.3
17.5°	58731.7	58511.6	57894.5	57291.2	56788.1	55554.5	53467.2	51128.6	48029.9	42732.3	33679.8
15°	55323.8	54838.7	53881.2	53060.2	52195.0	50693.8	48551.1	46221.7	43498.0	38893.3	30977.8
12.5°	50880.2	50339.9	49268.2	48226.0	47327.3	45782.8	43682.5	41444.3	39030.3	35230.9	28551.1
10°	45512.8	44892.5	43849.4	42867.3	41956.5	40668.8	38765.6	36724.7	34492.7	31175.3	25784.6
7.5°	39475.2	38889.2	37926.4	37043.8	36288.1	35222.8	33606.8	31833.5	29843.8	26907.2	22130.6
5°	33169.9	32626.7	31781.7	30973.7	30400.8	29485.6	28112.5	26556.9	24887.9	22437.8	18301.2
2.5°	26723.1	26156.1	25373.2	24655.9	24253.0	23424.9	22280.3	20999.1	19641.9	17673.3	14220.4
0°	19804.8	19251.0	18510.6	17920.3	17489.4	16960.1	16073.2	15167.2	14203.7	12693.8	10002.5
-2.5°	11767.1	11350.4	10799.2	10349.7	10157.5	9827.0	9378.3	8885.8	8308.4	7356.3	5671.4
-5°	4549.2	4389.3	4172.3	4010.0	4114.7	4018.1	3963.0	4018.2	3808.9	3389.0	2726.2
-7.5°	1748.1	1681.1	1681.3	1708.4	1641.1	1761.3	1689.9	1757.0	1820.7	1688.4	1542.6
-10°	1364.8	1401.4	1389.8	1382.1	1390.2	1404.6	1441.5	1438.8	1403.5	1347.3	1327.2
-12.5°	943.3	1199.0	1346.2	1350.3	1338.7	1361.1	1374.2	1371.9	1341.3	1300.6	1286.0
-15°	920.8	919.1	1023.5	1251.1	1337.7	1338.7	1327.3	1321.8	1297.5	1257.9	1249.2
-17.5°	925.9	906.1	913.7	947.2	1195.2	1305.8	1303.3	1278.7	1246.0	1221.5	1220.9
-20°	935.5	926.7	916.0	939.8	936.8	1085.3	1217.9	1264.5	1220.4	1201.9	1204.6



REPORT NUMBER: P902087 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MNB-LO

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	954.5	948.1	937.5	933.7	932.2	913.5	1027.1	1180.3	1232.3	1206.1	1187.4
-25°	991.5	971.1	953.1	939.1	928.2	907.2	919.1	1005.2	1133.3	1205.9	1173.7
-27.5°	1003.7	973.9	952.5	926.0	907.0	913.3	913.7	887.9	957.5	1080.1	1111.9
-30°	952.8	926.8	894.2	886.6	878.5	868.6	877.6	874.9	842.2	933.3	1023.7
-32.5°	881.2	858.1	826.9	813.8	807.0	797.7	813.6	839.2	837.9	786.7	884.4
-35°	821.4	796.6	767.9	750.9	734.9	730.4	749.3	768.7	776.1	749.2	714.1
-37.5°	781.2	770.2	741.4	737.2	721.3	714.1	696.9	691.7	691.0	677.4	631.0
-40°	762.7	760.4	746.9	749.1	729.4	679.2	653.7	647.4	627.6	612.6	569.8
-42.5°	769.6	777.6	763.9	762.6	748.8	710.6	656.7	624.8	605.9	581.1	546.4
-45°	824.5	832.9	811.7	798.0	771.4	734.0	682.8	624.0	600.4	564.7	537.9
-47.5°	892.1	893.1	863.5	849.9	825.3	774.8	726.6	685.8	645.2	597.4	536.8
-50°	993.6	957.9	933.2	913.1	884.4	818.0	798.5	745.3	703.7	640.0	544.4
-52.5°	1040.0	1001.9	980.8	934.5	903.0	851.7	823.5	782.3	737.3	644.0	543.5
-55°	945.7	928.5	893.3	876.5	842.3	825.7	817.3	751.9	679.0	582.1	489.9
-57.5°	792.9	792.8	780.4	766.8	747.8	727.2	692.7	648.0	568.6	490.2	430.6
-60°	708.8	690.9	680.8	684.7	660.3	615.7	569.6	531.1	489.4	430.8	374.0
-62.5°	637.4	626.0	616.6	600.3	558.0	531.0	495.9	466.5	427.4	384.9	334.6
-65°	591.9	576.1	564.5	529.7	512.4	475.4	436.3	407.0	372.4	336.2	304.6
-67.5°	538.5	522.0	503.7	474.9	455.2	425.5	392.8	367.7	342.1	309.2	279.1
-70°	484.9	470.4	451.7	432.5	407.4	379.2	350.1	341.9	317.8	282.8	255.3
-72.5°	426.3	415.0	399.0	375.4	360.3	343.3	318.8	300.7	281.9	255.5	230.3
-75°	380.0	374.3	357.5	335.4	322.1	306.0	284.2	259.9	250.8	228.7	206.3
-77.5°	340.8	329.4	316.3	306.3	287.4	270.4	252.8	227.5	223.7	209.2	191.9
-80°	304.0	286.1	281.6	268.3	257.8	239.8	218.9	201.7	200.4	189.8	170.3
-82.5°	258.3	247.7	241.1	223.0	220.7	213.6	193.4	177.2	171.5	153.0	136.0
-85°	208.0	206.6	200.8	173.7	170.7	144.4	137.5	135.2	129.7	113.8	98.3
-87.5°	109.4	107.3	104.4	87.6	85.3	81.5	79.5	63.2	61.0	58.7	56.2
-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: P902087 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MNB-LO

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°	15.4	14.6	13.8	13.0	12.2	11.4	10.5	9.6	8.7	7.8	6.8
85°	28.2	27.0	25.9	26.1	24.2	19.1	18.8	19.2	17.4	15.5	13.7
82.5°	41.4	39.4	37.2	38.8	35.3	21.3	21.7	28.8	26.1	23.3	20.5
80°	66.6	58.8	50.0	50.7	47.6	36.3	32.6	38.3	34.7	31.0	27.2
77.5°	109.2	98.4	89.0	73.3	66.5	57.7	49.5	48.2	44.9	39.4	34.0
75°	162.8	142.3	125.5	110.0	93.1	95.8	87.9	67.0	55.6	49.6	41.4
72.5°	253.5	222.9	185.8	169.4	157.4	144.1	133.5	108.1	81.2	59.5	49.0
70°	500.4	376.4	280.6	247.4	221.1	196.9	172.2	144.9	113.4	83.5	56.5
67.5°	1050.8	636.4	437.8	328.5	283.8	245.8	209.0	174.3	140.9	108.9	76.1
65°	1888.3	1094.2	640.5	400.4	340.4	287.6	248.8	202.3	163.4	131.4	97.1
62.5°	2587.1	1351.8	827.6	509.7	391.3	313.3	280.1	225.9	185.0	149.7	117.3
60°	2445.7	1525.4	978.5	622.3	450.4	347.1	295.5	249.6	210.2	167.3	127.7
57.5°	2823.3	1769.4	1166.0	721.4	498.8	389.9	318.6	268.5	234.1	184.9	136.2
55°	3370.5	2539.1	1534.1	885.7	518.7	432.3	351.8	284.3	249.6	204.3	145.9
52.5°	3766.2	2969.1	2172.4	1157.8	626.5	478.4	385.1	310.0	265.1	224.8	165.3
50°	4414.9	3416.5	2613.8	1657.1	776.5	538.1	418.1	336.9	285.6	241.9	183.9
47.5°	5634.2	4125.7	3113.5	2142.6	1142.5	601.0	452.4	372.0	314.3	259.9	200.3
45°	6750.8	4794.3	3681.8	2612.2	1487.5	790.8	502.5	409.5	343.1	274.2	213.7
42.5°	7949.9	5537.4	4225.2	3082.3	1898.4	998.6	555.6	449.4	372.7	292.0	225.1
40°	11276.6	6463.0	4918.9	3687.4	2354.8	1286.6	715.8	489.6	399.5	306.4	237.3
37.5°	13902.5	7684.4	5888.2	4608.2	3064.1	1600.4	868.6	525.7	417.7	317.4	250.4
35°	16047.2	8451.3	6507.1	5391.5	3811.7	1902.0	1015.6	587.6	437.5	330.1	261.3
32.5°	17356.3	8637.0	6190.8	5152.7	3917.1	2285.4	1164.2	673.7	455.9	343.4	267.5
30°	18156.2	7831.9	5431.0	4656.3	3785.1	2468.4	1249.9	739.9	466.3	354.0	271.8
27.5°	19692.2	8833.7	5092.3	4246.7	3550.8	2440.3	1327.5	791.3	472.6	364.4	275.1
25°	20778.9	9073.6	4941.7	4017.5	3344.7	2407.3	1404.7	847.5	502.6	374.3	277.2
22.5°	21434.4	9436.6	4864.1	3824.5	3218.9	2348.6	1450.7	879.0	541.4	379.7	283.8
20°	21166.2	9876.8	4785.7	3649.3	3042.3	2247.5	1437.1	898.9	571.9	381.0	291.1
17.5°	20233.8	9537.8	4508.8	3426.3	2833.8	2099.2	1400.2	904.5	595.9	380.3	295.0
15°	19250.7	9235.0	4154.5	3176.7	2611.1	1974.4	1335.0	906.6	614.3	379.1	295.2
12.5°	17922.7	8539.2	4074.2	2949.8	2392.4	1824.2	1294.6	907.5	625.1	376.3	293.2
10°	16222.8	7860.0	3795.4	2732.3	2186.1	1690.7	1234.9	892.1	626.8	370.9	290.4
7.5°	14114.4	6897.2	3374.2	2472.7	1970.5	1536.9	1158.4	859.7	620.1	363.5	286.7
5°	11701.3	5715.6	2924.9	2221.2	1761.6	1368.2	1068.3	818.4	606.8	354.7	282.1
2.5°	9023.5	4436.5	2467.9	1965.4	1588.3	1206.1	976.1	773.7	588.6	344.5	276.4
0°	6336.4	3130.9	1994.2	1702.9	1440.3	1043.0	877.8	723.6	566.6	333.1	269.8
-2.5°	3684.1	2104.8	1601.6	1389.9	1201.4	980.1	834.0	696.5	550.4	326.6	263.8
-5°	2049.8	1570.7	1353.0	1204.5	1043.8	921.2	789.4	666.6	532.0	319.1	257.0
-7.5°	1449.6	1328.2	1227.9	1121.7	997.8	879.9	759.1	636.8	511.6	310.2	249.4
-10°	1302.6	1241.5	1185.4	1074.3	961.6	849.3	727.8	604.7	489.8	299.5	242.2
-12.5°	1252.6	1216.4	1144.5	1040.6	931.7	824.9	705.0	579.3	465.3	288.0	235.1
-15°	1221.5	1190.7	1112.0	1018.7	905.3	793.0	681.4	555.7	437.3	276.6	228.0
-17.5°	1206.8	1150.4	1087.8	976.2	864.4	765.6	648.6	533.4	405.3	266.6	222.3
-20°	1177.9	1114.8	1056.4	925.3	825.7	737.0	610.9	513.2	372.0	257.2	217.3



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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°	1131.5	1081.3	1007.8	877.4	774.5	698.2	583.0	492.7	335.0	249.2	211.9
-25°	1097.9	1028.1	947.8	831.3	713.5	641.2	553.0	467.6	292.3	242.9	204.7
-27.5°	1062.9	979.0	893.4	786.3	680.7	594.0	519.1	440.1	262.1	234.8	194.3
-30°	1027.2	931.4	846.5	731.9	648.1	566.4	489.3	390.9	256.1	224.1	184.7
-32.5°	911.0	866.9	786.7	694.1	616.7	537.6	464.4	339.5	249.0	212.5	175.8
-35°	776.6	778.9	732.7	661.2	583.0	507.6	436.7	284.3	241.3	200.2	167.7
-37.5°	630.6	695.8	687.0	615.7	545.0	476.5	382.3	256.3	229.8	188.8	158.7
-40°	537.4	593.7	604.3	571.4	510.8	445.0	318.9	246.7	215.0	179.0	148.8
-42.5°	502.0	490.4	544.6	530.6	478.3	397.6	259.1	236.8	202.1	168.5	138.8
-45°	476.3	443.4	469.2	476.5	444.3	319.8	248.2	224.8	190.7	157.3	128.8
-47.5°	481.6	430.9	391.6	420.2	372.7	257.5	237.0	211.7	177.1	146.0	121.8
-50°	479.1	408.1	346.1	350.1	284.3	245.3	222.8	198.0	160.9	135.1	117.9
-52.5°	448.5	376.9	320.1	285.9	252.9	230.4	207.4	184.2	150.4	124.1	114.0
-55°	414.4	344.6	299.7	255.0	232.5	220.9	193.6	169.8	140.9	120.2	109.6
-57.5°	377.3	317.7	274.5	235.0	222.6	206.4	176.4	154.9	131.7	116.9	100.7
-60°	331.0	291.9	247.7	223.9	210.6	186.2	162.0	139.8	126.8	112.2	91.4
-62.5°	296.4	263.6	223.9	207.0	194.4	170.6	152.9	129.7	119.9	102.0	81.8
-65°	271.5	234.2	209.7	188.0	175.2	154.4	145.6	123.6	115.1	94.1	78.7
-67.5°	250.9	222.6	197.3	174.6	156.4	151.5	140.3	118.8	111.1	89.3	75.6
-70°	229.1	204.3	177.2	159.8	152.4	148.6	129.1	112.5	101.8	83.4	71.9
-72.5°	206.9	185.1	161.2	143.5	140.3	128.9	114.9	102.8	87.7	75.5	65.4
-75°	182.5	163.9	150.8	137.9	125.2	112.1	104.9	93.7	75.4	68.5	58.8
-77.5°	169.8	143.8	140.0	130.4	113.0	98.8	93.4	84.2	66.9	61.4	53.8
-80°	153.9	134.9	130.6	117.7	96.1	84.4	79.9	73.5	59.2	57.0	52.1
-82.5°	127.0	115.8	101.9	93.0	73.2	70.0	66.9	63.1	54.9	53.4	50.7
-85°	88.6	83.7	71.8	67.2	58.5	56.4	54.3	52.2	48.7	43.6	38.0
-87.5°	43.1	41.0	38.8	36.6	34.2	31.9	29.4	26.9	24.4	21.8	19.1
-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°	5.9	4.9	3.9	3.0	2.0	1.0	0.0
85°	11.8	9.8	7.9	5.9	4.0	2.0	0.0
82.5°	17.6	14.7	11.8	8.9	5.9	3.0	0.0
80°	23.4	19.5	15.7	11.8	7.9	3.9	0.0
77.5°	29.1	23.8	19.4	14.7	9.8	4.9	0.0
75°	34.6	28.1	22.9	17.6	11.8	5.9	0.0
72.5°	40.2	32.4	26.2	20.0	13.7	6.8	0.0
70°	45.5	36.4	29.4	22.3	15.5	7.8	0.0
67.5°	50.4	40.3	32.6	24.5	17.4	8.7	0.0
65°	60.0	44.2	35.6	26.7	19.0	9.6	0.0
62.5°	74.5	48.1	38.5	28.8	20.5	10.5	0.0
60°	87.8	54.3	41.2	30.9	22.0	11.4	0.0
57.5°	99.8	62.5	43.8	33.0	23.4	12.2	0.0
55°	110.2	69.5	46.2	34.9	24.8	13.0	0.0
52.5°	120.0	75.3	49.2	36.8	26.2	13.8	0.0
50°	129.2	82.1	54.9	38.7	27.6	14.6	0.0
47.5°	138.0	91.6	60.7	40.5	28.9	15.4	0.0
45°	148.7	100.6	66.3	42.2	30.2	16.1	0.0
42.5°	158.6	109.2	71.6	43.8	31.5	16.8	0.0
40°	168.9	117.3	76.6	45.5	32.7	17.4	0.0
37.5°	179.8	124.9	81.3	47.2	33.9	18.0	0.0
35°	190.7	132.5	86.2	50.0	35.0	18.5	0.0
32.5°	200.8	139.3	91.1	53.1	36.0	18.8	0.0
30°	209.3	144.9	95.5	55.8	37.0	19.1	0.0
27.5°	215.6	149.4	99.3	58.2	37.3	19.3	0.0
25°	220.6	152.8	102.7	60.3	37.7	19.5	0.0
22.5°	224.6	155.1	105.7	62.0	38.1	19.7	0.0
20°	227.4	155.8	108.4	63.5	38.6	19.8	0.0
17.5°	227.3	155.5	110.8	65.4	39.2	19.9	0.0
15°	225.7	154.9	112.8	67.3	39.7	19.9	0.0
12.5°	223.4	154.4	113.3	68.9	40.3	19.9	0.0
10°	220.3	152.9	112.8	70.3	40.8	19.9	0.0
7.5°	217.9	150.9	111.7	71.4	41.2	19.9	0.0
5°	215.2	148.2	110.1	72.4	41.6	19.8	0.0
2.5°	211.8	145.0	108.0	73.1	41.8	19.7	0.0
0°	207.5	141.1	105.6	73.7	41.9	19.6	0.0
-2.5°	205.0	140.1	104.5	73.1	42.4	19.7	0.0
-5°	201.9	138.5	103.1	72.4	42.7	19.8	0.0
-7.5°	198.4	136.2	101.5	71.6	42.9	19.9	0.0
-10°	194.4	133.1	99.6	70.7	42.9	20.0	0.0
-12.5°	188.4	129.4	97.5	69.8	42.8	20.0	0.0
-15°	181.4	125.6	95.3	68.7	42.6	20.0	0.0
-17.5°	173.3	122.7	93.4	67.7	42.4	20.0	0.0
-20°	165.6	120.5	91.3	66.7	42.1	19.9	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	160.5	117.9	89.0	66.0	41.7	19.8	0.0
-25°	155.1	114.9	86.5	65.1	41.3	19.6	0.0
-27.5°	149.2	111.6	83.9	64.2	40.8	19.4	0.0
-30°	142.9	108.0	81.1	63.2	40.3	19.2	0.0
-32.5°	136.0	103.9	78.6	62.1	39.1	18.9	0.0
-35°	128.6	99.6	76.1	61.0	37.8	18.5	0.0
-37.5°	121.9	95.6	73.9	59.5	36.5	18.0	0.0
-40°	117.0	92.7	72.3	57.2	35.7	17.4	0.0
-42.5°	112.4	89.5	70.5	54.9	34.9	16.8	0.0
-45°	108.5	86.0	68.4	52.6	34.1	16.1	0.0
-47.5°	105.1	82.1	66.1	50.2	33.5	15.4	0.0
-50°	100.6	78.0	63.5	47.8	32.9	14.6	0.0
-52.5°	95.1	74.4	60.7	45.3	32.3	13.8	0.0
-55°	89.0	70.6	57.5	42.9	31.9	13.0	0.0
-57.5°	81.8	66.6	54.2	40.4	31.5	12.2	0.0
-60°	76.6	62.2	50.8	39.7	31.1	11.4	0.0
-62.5°	72.0	57.7	47.4	39.2	30.8	10.5	0.0
-65°	68.2	53.3	43.8	38.6	30.5	9.6	0.0
-67.5°	64.4	48.7	41.4	38.0	29.2	8.7	0.0
-70°	60.0	44.1	40.3	37.3	26.5	7.8	0.0
-72.5°	55.4	41.2	39.1	36.6	23.6	6.8	0.0
-75°	50.9	39.7	38.0	34.9	20.6	5.9	0.0
-77.5°	46.4	38.3	36.8	29.3	17.4	4.9	0.0
-80°	41.3	36.8	31.4	23.5	14.0	3.9	0.0
-82.5°	35.2	29.5	23.6	17.7	10.6	3.0	0.0
-85°	23.5	19.7	15.8	11.8	7.1	2.0	0.0
-87.5°	11.8	9.8	7.9	5.9	3.6	1.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)