

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: P902136 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-S9-ZVP418L**

Issue Date: 11/14/2024

Test Information

Test Method: LM-79-08
Report Number: P902136 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVA2202009)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-AV-03-1360S-57-85-S9-ZVP418L
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND S9-ZVP418L OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	86909 lumens	Max Intensity:	215680.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 0°V
Efficacy:	61.5 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		

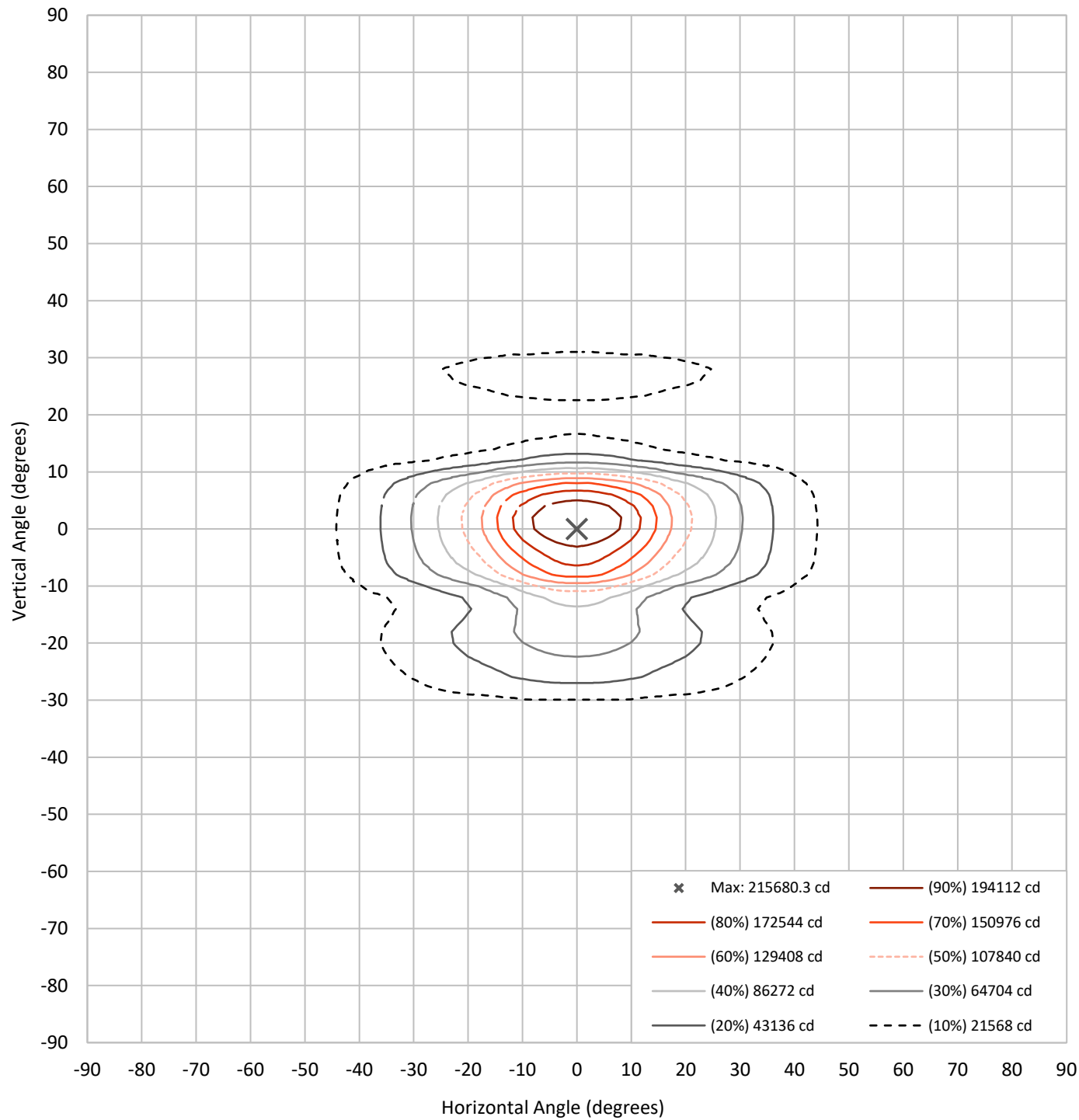
Beam Angle (50%):	42.1°H x 20.6°V	Field Angle (10%):	88.4°H x 46.4°V
Beam Lumens:	32829 lumens	Field Lumens:	73187.8 lumens
Beam Efficiency:	37.8%	Field Efficiency:	84.2%

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



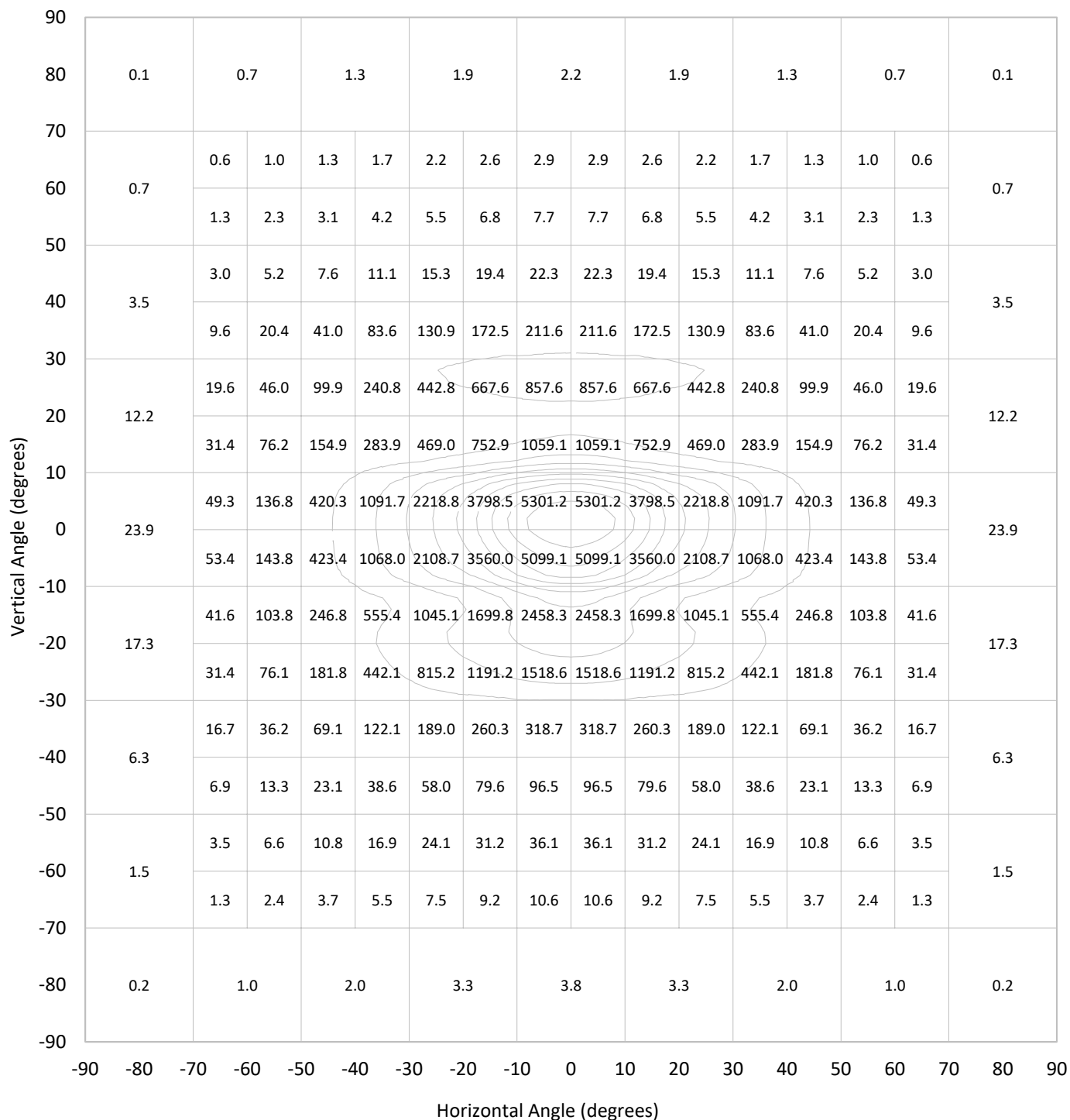
REPORT NUMBER: P902136 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-AV-03-1360S-57-85-S9-ZVP418L

Iso-Candela Plot



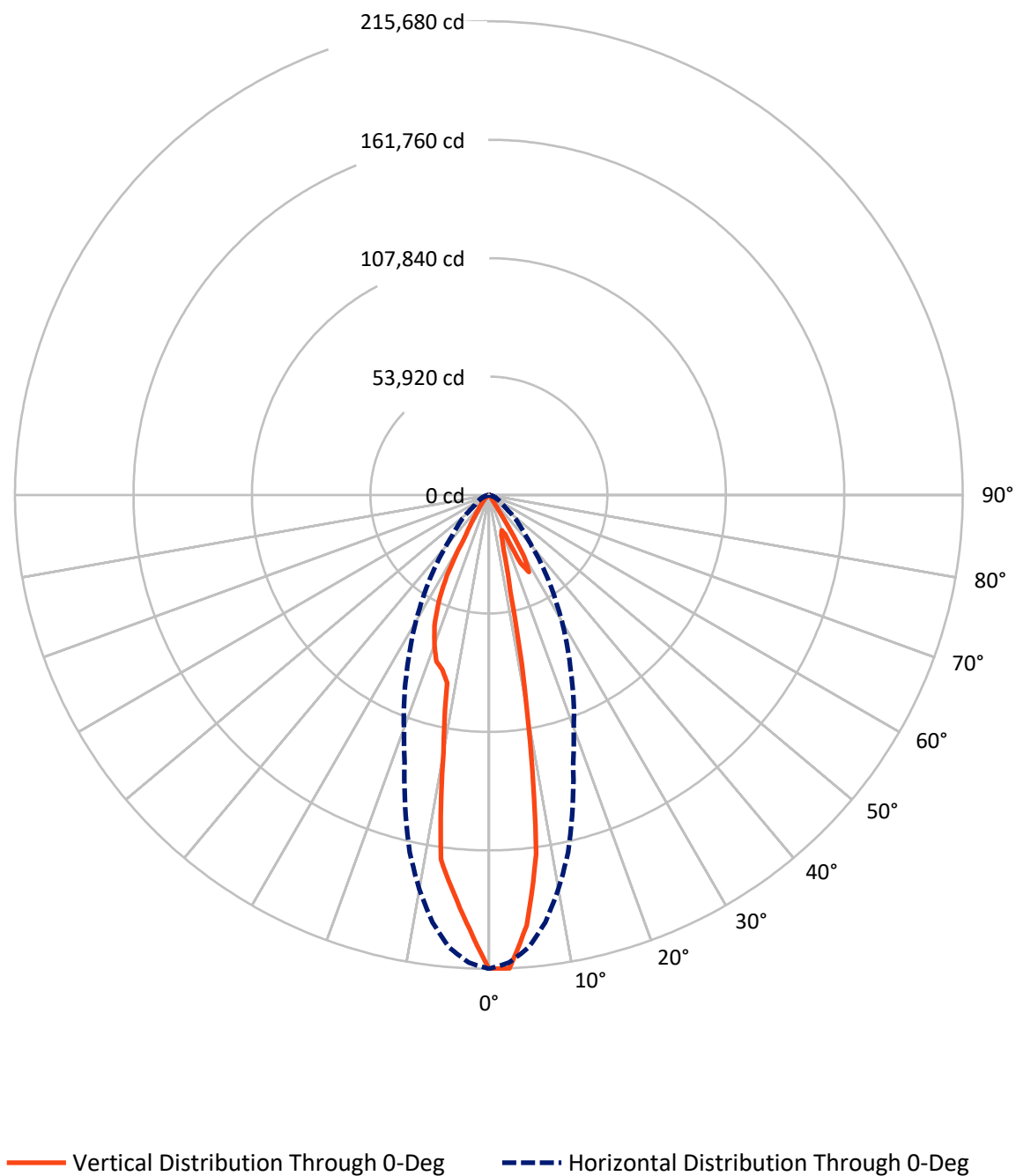
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Lumen Table



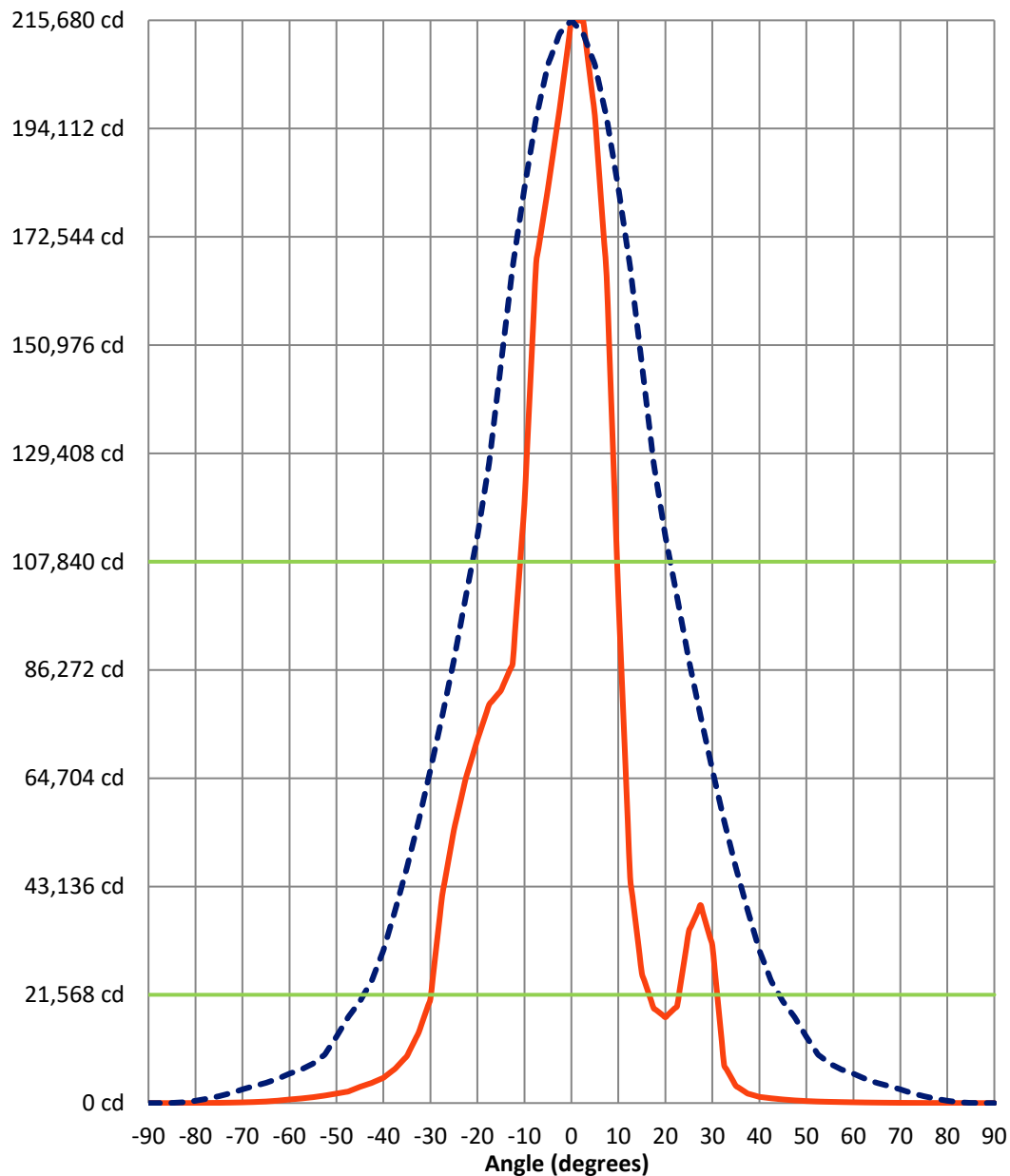
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 42.1°
V Angle: 20.6°
Lumens: 32829
Efficiency: 37.8%

Field:
H Angle: 88.4°
V Angle: 46.4°
Lumens: 73187.8
Efficiency: 84.2%

Spill:
Lumens: 13721.3
Efficiency: 15.8%

— Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 0-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	0.4	0.8	1.2	1.2	1.5	1.9	2.3	2.6	2.1	2.3
85°	0.0	0.8	1.5	2.4	2.5	3.1	3.7	4.5	5.1	4.3	4.6
82.5°	0.0	1.1	2.3	3.6	3.7	4.6	5.6	6.4	7.1	6.1	6.8
80°	0.0	1.5	3.1	4.7	5.0	6.2	7.2	7.8	8.7	8.0	9.0
77.5°	0.0	1.9	3.8	5.9	6.3	7.7	8.8	9.2	10.7	10.9	11.8
75°	0.0	2.3	4.6	7.0	7.5	9.2	10.4	11.7	13.5	14.1	15.0
72.5°	0.0	2.6	5.3	7.9	8.7	10.7	13.1	14.8	16.5	18.5	19.5
70°	0.0	3.0	6.1	8.6	9.9	12.9	16.3	18.1	21.3	23.5	25.3
67.5°	0.0	3.3	6.8	9.3	11.0	15.8	19.5	23.3	26.6	29.9	33.2
65°	0.0	3.7	7.2	9.9	13.0	18.7	23.7	28.8	33.4	38.2	42.4
62.5°	0.0	4.0	7.5	10.5	15.7	21.6	29.0	34.5	42.1	47.5	54.3
60°	0.0	4.3	7.8	11.0	18.5	25.4	34.3	43.0	51.2	60.3	67.5
57.5°	0.0	4.7	8.1	11.6	21.2	30.5	39.7	51.9	63.4	73.7	83.4
55°	0.0	5.0	8.3	14.3	24.0	35.7	48.4	61.1	77.2	90.5	100.2
52.5°	0.0	5.3	8.5	17.2	27.3	41.1	57.9	75.6	92.0	109.2	123.1
50°	0.0	5.6	8.8	20.3	32.9	47.5	68.1	92.1	114.0	131.5	149.2
47.5°	0.0	5.8	9.0	23.5	39.3	59.6	80.0	110.1	138.2	163.6	184.6
45°	0.0	6.1	9.1	26.9	47.5	73.7	97.6	129.9	162.1	199.5	226.0
42.5°	0.0	6.4	9.3	30.4	56.7	89.6	115.7	164.7	206.4	245.7	273.2
40°	0.0	6.6	9.5	34.0	66.8	107.3	145.4	221.1	264.9	309.1	362.9
37.5°	0.0	6.8	9.6	37.4	77.9	126.9	196.5	298.0	337.9	438.5	493.2
35°	0.0	6.9	11.2	43.5	94.5	163.5	268.0	400.1	485.5	624.9	689.5
32.5°	0.0	6.9	13.2	50.5	114.0	206.3	342.3	496.4	641.6	865.8	980.2
30°	0.0	6.9	15.1	57.6	134.1	246.0	410.7	574.7	787.6	1027.6	1215.3
27.5°	0.0	6.9	17.0	64.7	153.9	282.6	462.0	645.2	893.1	1146.2	1370.9
25°	0.0	6.9	18.9	71.7	174.3	316.2	511.0	708.2	973.3	1230.1	1478.7
22.5°	0.0	6.9	20.9	78.5	195.3	353.1	561.4	795.0	1059.0	1357.5	1598.2
20°	0.0	6.9	22.8	85.2	216.6	406.0	615.1	894.4	1181.2	1502.0	1807.7
17.5°	0.0	6.8	24.6	94.6	238.1	461.5	708.0	996.9	1344.8	1694.5	2035.3
15°	0.0	6.8	26.4	105.1	259.4	521.2	823.7	1137.9	1513.6	1944.7	2328.1
12.5°	0.0	6.8	28.1	115.6	290.9	584.4	941.4	1327.6	1753.0	2200.6	2682.9
10°	0.0	6.7	29.6	125.9	326.3	647.2	1059.3	1519.0	2049.3	2538.4	3048.2
7.5°	0.0	6.7	31.0	136.0	361.2	707.2	1151.3	1694.1	2347.1	2876.4	3409.7
5°	0.0	6.6	32.3	145.6	395.3	763.6	1230.1	1794.0	2514.3	3129.6	3729.4
2.5°	0.0	6.6	33.3	154.6	428.0	816.2	1303.2	1885.8	2629.3	3271.0	3886.7
0°	0.0	6.5	34.0	162.7	458.7	864.4	1370.2	1969.1	2732.3	3402.1	4029.4
-2.5°	0.0	6.6	33.9	159.4	442.1	850.4	1361.6	1968.2	2735.2	3418.9	4046.1
-5°	0.0	6.6	33.5	155.1	423.3	831.5	1346.3	1958.1	2725.3	3425.3	4048.6
-7.5°	0.0	6.6	32.9	150.1	402.6	807.7	1324.0	1938.7	2656.5	3303.8	3898.9
-10°	0.0	6.7	32.0	144.3	380.4	778.7	1278.1	1804.7	2435.4	3081.7	3705.3
-12.5°	0.0	6.7	31.0	137.8	357.1	737.9	1178.4	1643.6	2207.2	2841.2	3416.5
-15°	0.0	6.7	29.6	130.8	336.6	686.8	1077.6	1481.2	2014.1	2603.8	3090.0
-17.5°	0.0	6.8	28.1	123.3	324.9	638.6	977.2	1375.2	1875.9	2372.8	2857.4
-20°	0.0	6.8	26.4	115.7	311.0	594.1	899.9	1314.0	1745.9	2235.7	2744.0

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CATALOG NUMBER: EPH-AV-03-1360S-57-85-S9-ZVP418L

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	6.8	24.5	108.9	294.7	551.9	859.0	1254.1	1641.8	2146.9	2641.4
-25°	0.0	6.8	22.4	101.5	276.0	509.0	811.8	1187.8	1544.3	2041.0	2490.1
-27.5°	0.0	6.8	20.2	93.6	255.0	460.8	755.9	1063.4	1432.3	1823.7	2319.3
-30°	0.0	6.8	17.8	85.2	230.5	407.2	681.2	930.3	1263.0	1583.5	1980.2
-32.5°	0.0	6.7	15.4	76.4	196.8	348.2	572.0	788.5	1045.3	1318.8	1599.8
-35°	0.0	6.7	12.9	67.1	165.2	283.8	466.3	643.0	835.5	1043.9	1236.6
-37.5°	0.0	6.6	10.9	59.0	139.7	230.0	373.7	521.8	652.3	821.0	973.0
-40°	0.0	6.4	11.0	54.5	123.4	202.8	305.0	429.6	542.9	650.0	767.5
-42.5°	0.0	6.1	10.9	49.6	107.7	176.9	256.3	351.7	448.1	537.3	603.1
-45°	0.0	5.9	10.8	43.9	92.8	152.2	220.0	289.7	367.8	453.3	517.8
-47.5°	0.0	5.6	10.6	38.2	78.5	128.9	186.7	251.5	319.4	389.3	445.5
-50°	0.0	5.3	10.2	32.5	65.5	106.9	162.1	219.4	277.6	332.2	380.9
-52.5°	0.0	5.0	9.8	26.8	53.0	92.1	138.2	186.5	235.6	282.6	323.8
-55°	0.0	4.7	9.4	21.1	45.1	78.1	113.9	153.5	197.7	235.4	268.2
-57.5°	0.0	4.4	8.8	15.4	38.3	64.3	89.4	126.7	160.7	189.7	218.7
-60°	0.0	4.1	8.1	13.6	31.5	50.6	74.7	100.9	126.3	150.7	171.5
-62.5°	0.0	3.8	7.4	12.2	24.8	40.3	60.2	76.0	99.6	113.0	132.1
-65°	0.0	3.5	6.6	10.7	18.0	32.7	46.1	61.2	74.1	86.6	96.3
-67.5°	0.0	3.2	5.9	9.2	13.6	25.2	35.3	46.7	55.3	64.0	71.7
-70°	0.0	2.8	5.3	7.7	11.6	17.7	27.3	33.3	40.9	46.5	52.1
-72.5°	0.0	2.5	4.6	6.1	9.6	12.7	19.4	24.9	27.6	33.1	37.4
-75°	0.0	2.1	4.0	4.7	7.6	9.9	12.8	16.7	19.5	21.8	24.8
-77.5°	0.0	1.8	3.3	3.9	5.5	7.0	9.5	10.2	11.7	14.3	16.0
-80°	0.0	1.4	2.7	3.1	4.1	4.1	6.3	6.7	7.2	7.7	8.5
-82.5°	0.0	1.1	2.0	2.3	3.1	2.6	3.3	3.1	4.1	4.9	4.4
-85°	0.0	0.7	1.3	1.5	2.1	1.7	2.2	1.5	1.9	2.2	1.1
-87.5°	0.0	0.4	0.7	0.8	1.0	0.9	1.1	0.7	0.9	1.1	0.4
-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):

	-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°	2.6	2.8	3.0	3.2	3.6	3.8	2.5	2.6	2.7	2.8	2.9
85°	4.9	5.2	5.5	5.8	5.5	5.5	4.9	5.1	5.3	5.6	5.7
82.5°	6.5	6.9	7.4	8.0	7.1	7.3	7.4	7.7	8.0	8.3	8.6
80°	8.7	9.4	9.9	10.2	9.4	10.0	10.0	10.4	10.9	11.1	11.5
77.5°	11.4	12.3	13.1	12.9	13.1	13.9	13.3	13.7	14.6	14.3	14.4
75°	15.3	16.5	16.9	16.9	17.6	17.8	17.4	18.5	19.4	19.9	20.3
72.5°	19.4	21.5	22.5	22.5	23.6	24.4	24.6	25.6	26.4	27.5	28.2
70°	26.6	27.6	30.0	30.7	31.1	33.0	33.9	34.7	35.7	37.1	38.0
67.5°	34.8	37.1	39.4	40.9	41.6	43.2	45.3	46.3	46.8	48.3	50.1
65°	46.3	47.9	51.9	52.9	54.7	56.4	58.7	60.1	60.6	62.4	64.7
62.5°	58.9	62.1	66.0	68.6	70.4	72.9	74.5	76.0	77.6	79.6	81.7
60°	73.9	78.3	82.6	86.2	88.8	90.8	92.3	94.1	96.7	98.8	102.1
57.5°	90.8	96.9	101.9	105.5	108.7	110.5	112.0	114.2	117.5	121.6	126.8
55°	111.0	118.4	123.3	127.8	130.9	133.2	135.4	138.2	143.3	149.0	156.6
52.5°	134.2	143.4	149.8	154.3	157.6	160.7	163.5	170.3	177.1	184.3	194.1
50°	164.7	175.6	181.3	186.8	192.5	195.6	201.4	211.5	219.8	233.4	243.8
47.5°	200.6	214.2	224.3	231.5	238.3	245.5	257.0	268.9	280.8	299.6	313.4
45°	246.9	263.4	276.6	287.8	299.1	310.3	324.6	341.5	363.7	383.5	402.4
42.5°	301.8	318.2	330.9	355.5	370.6	386.3	405.1	426.3	450.5	482.9	512.2
40°	384.6	392.4	412.0	453.4	469.4	483.8	502.0	530.4	557.5	609.3	655.1
37.5°	502.9	568.8	621.9	659.4	675.6	721.3	757.6	793.5	863.3	936.4	1004.7
35°	789.1	876.1	925.0	1030.8	1142.5	1224.5	1310.4	1461.1	1609.1	1720.6	1815.3
32.5°	1131.7	1278.7	1450.5	1637.6	1825.2	2032.8	2325.4	2708.8	3236.6	3654.2	3903.2
30°	1409.1	1614.5	1970.2	2154.3	2383.6	2767.8	3281.5	3995.4	5426.8	7507.8	9701.0
27.5°	1578.2	1881.2	2183.6	2423.6	2697.6	3062.9	3612.8	4636.3	6383.7	8576.1	11002.9
25°	1725.9	2024.8	2294.6	2574.0	2836.6	3193.3	3647.9	4314.7	5437.7	6766.7	8473.6
22.5°	1911.2	2164.7	2500.4	2740.0	3080.3	3383.4	3748.0	4176.5	4555.8	5085.8	5831.1
20°	2117.2	2465.0	2790.8	3133.4	3452.4	3808.7	4153.7	4545.9	4908.6	5314.2	5802.7
17.5°	2411.8	2800.9	3188.0	3566.6	3946.1	4339.2	4744.8	5176.0	5594.4	6056.9	6571.9
15°	2725.3	3205.7	3655.7	4049.6	4561.8	5025.6	5500.7	6016.2	6497.2	7077.0	7687.4
12.5°	3204.5	3704.2	4236.3	4849.3	5561.4	6436.1	7568.1	7901.1	8965.2	10138.1	11411.3
10°	3728.4	4431.2	5016.9	5825.3	7244.6	9427.4	11493.0	13657.9	16265.5	19464.7	24157.7
7.5°	4135.4	5020.0	5790.3	6785.9	8388.4	11685.9	15319.0	18477.2	21854.4	27647.2	34852.1
5°	4504.4	5433.9	6205.9	7314.4	9105.8	12743.7	16458.0	19621.8	23638.0	29872.1	37427.1
2.5°	4688.4	5683.1	6493.9	7659.2	9484.4	13148.7	16964.1	20163.6	24264.8	30575.3	38481.6
0°	4838.6	5855.9	6678.8	7853.0	9653.0	13211.8	17113.6	20273.0	24358.4	30444.6	38426.6
-2.5°	4853.9	5876.2	6692.3	7848.8	9591.3	12961.3	16907.0	20014.1	23985.2	29866.4	37732.0
-5°	4839.1	5837.7	6647.7	7775.9	9457.6	12610.1	16614.1	19653.3	23522.7	29030.5	36448.6
-7.5°	4679.0	5682.1	6533.5	7576.2	9069.2	11841.0	15770.2	18861.7	22103.0	27195.9	34106.8
-10°	4463.0	5282.1	5979.1	6899.0	8289.1	10320.9	12889.2	15205.9	17811.7	20794.0	25435.7
-12.5°	4018.4	4676.2	5381.4	6165.9	7081.0	8355.4	10097.1	11013.2	12571.3	14454.0	16875.5
-15°	3606.5	4282.4	4952.0	5563.3	6396.0	7433.8	8795.8	10213.9	11822.7	13693.3	16564.0
-17.5°	3372.1	3957.4	4660.4	5305.9	6047.0	7022.5	8404.6	10618.3	12801.4	15442.2	18870.5
-20°	3163.5	3711.9	4439.1	5061.7	5809.2	6738.8	8228.6	10479.8	13209.6	15863.9	19276.0

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CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	3012.5	3504.5	4141.5	4781.6	5438.6	6329.3	7551.5	9437.9	11953.6	14544.7	17642.6
-25°	2849.0	3227.5	3784.1	4358.9	4972.7	5708.6	6681.8	8014.1	10092.4	12572.7	15177.5
-27.5°	2567.7	2933.5	3311.3	3837.4	4382.7	4962.1	5753.0	6753.0	8132.9	10081.6	12363.3
-30°	2234.2	2489.6	2816.8	3166.1	3614.0	4067.7	4568.4	5221.7	5983.7	7080.9	8335.7
-32.5°	1835.0	2021.8	2275.6	2535.9	2814.1	3157.2	3532.8	3967.5	4396.5	4818.5	5321.6
-35°	1441.8	1597.5	1776.1	1977.3	2181.3	2425.7	2694.2	3024.5	3345.9	3672.7	4012.1
-37.5°	1101.4	1239.5	1370.9	1507.0	1645.0	1828.9	2042.8	2263.6	2497.2	2757.3	3026.8
-40°	862.3	935.1	1011.4	1113.1	1211.8	1339.5	1492.0	1645.9	1813.3	1971.2	2204.1
-42.5°	679.6	744.0	803.5	868.4	935.7	1024.3	1120.9	1242.8	1380.9	1508.8	1677.4
-45°	572.0	621.2	667.2	708.1	770.2	838.3	907.9	990.2	1103.8	1201.5	1326.0
-47.5°	491.6	531.9	572.5	611.6	649.3	704.3	765.7	835.1	903.4	991.6	1082.3
-50°	423.1	461.5	498.0	529.5	561.9	604.7	653.5	709.0	770.6	838.3	911.4
-52.5°	357.1	390.9	422.7	451.6	481.2	513.1	551.2	595.2	644.6	694.4	753.4
-55°	297.0	324.0	348.9	375.1	399.4	423.9	455.2	487.9	527.6	568.3	613.4
-57.5°	240.1	262.2	283.3	302.8	324.0	343.6	367.8	391.5	421.8	456.3	493.4
-60°	188.9	206.1	221.4	235.3	253.2	268.4	287.7	307.2	326.5	352.2	380.3
-62.5°	141.8	156.3	166.9	174.7	185.7	197.7	206.6	226.4	234.3	251.9	273.9
-65°	105.8	111.9	122.9	123.1	133.1	139.8	148.3	158.1	165.5	176.7	187.5
-67.5°	76.0	82.7	86.8	91.3	93.3	98.4	104.4	109.9	116.8	124.7	131.8
-70°	56.4	58.2	62.3	65.1	65.6	69.2	71.8	74.2	80.0	85.0	89.0
-72.5°	39.2	42.2	43.6	44.0	46.0	46.9	48.0	49.8	52.9	55.7	57.4
-75°	26.7	28.2	29.4	30.4	30.5	29.9	30.5	31.9	33.4	34.9	35.1
-77.5°	15.5	16.1	17.5	18.1	18.1	18.0	17.8	17.9	19.0	19.5	19.8
-80°	8.3	8.6	8.5	7.8	8.0	9.2	8.4	8.2	9.0	8.7	9.0
-82.5°	3.6	3.2	2.5	2.4	3.2	3.9	2.8	2.9	3.2	3.2	3.3
-85°	1.5	1.8	1.7	1.4	1.5	1.7	1.0	1.1	1.0	1.2	1.2
-87.5°	0.6	0.7	0.9	1.1	1.1	1.2	1.4	1.4	1.5	1.5	1.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	-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°	3.0	3.1	3.1	3.2	3.3	3.3	3.4	3.5	3.5	3.5	3.6
85°	5.9	6.1	6.3	6.4	6.6	6.7	6.8	6.9	7.0	7.1	7.1
82.5°	8.9	9.2	9.4	9.6	9.9	10.0	10.2	10.4	10.5	10.6	10.7
80°	11.9	12.2	12.6	12.9	13.2	13.4	13.7	13.9	14.1	14.2	14.4
77.5°	15.2	15.7	16.2	16.7	17.2	17.8	18.2	18.6	19.0	19.3	19.6
75°	21.0	21.4	21.9	22.8	23.8	23.9	24.3	25.0	25.7	26.3	26.8
72.5°	28.7	29.8	30.6	31.3	32.6	32.7	33.2	34.4	35.5	36.3	37.1
70°	38.5	39.9	41.8	42.3	43.2	44.6	45.7	47.0	48.5	49.8	50.9
67.5°	50.5	53.0	55.4	56.7	58.0	60.0	61.9	63.5	64.9	66.7	67.1
65°	66.0	68.8	70.4	72.4	75.1	78.2	80.2	82.9	84.3	87.1	89.1
62.5°	83.0	86.7	89.5	92.1	96.2	99.7	102.4	105.6	108.8	112.0	114.3
60°	104.6	109.2	113.7	118.3	122.5	126.7	131.3	134.4	138.9	143.5	147.7
57.5°	130.5	137.0	142.9	149.5	156.1	160.1	167.2	171.9	176.5	181.6	187.0
55°	161.6	170.2	177.2	184.4	194.2	198.5	207.0	213.8	221.4	227.0	231.6
52.5°	201.4	211.0	219.7	230.9	238.7	247.6	259.0	270.0	277.3	285.9	293.2
50°	252.9	267.8	277.4	293.8	305.4	318.9	331.6	343.8	356.3	367.4	376.1
47.5°	328.2	348.8	364.7	386.0	402.0	419.6	436.9	452.6	472.1	487.7	499.5
45°	426.5	453.9	480.5	509.9	533.6	558.3	583.2	604.7	630.4	647.6	666.5
42.5°	548.1	585.1	622.9	657.7	693.9	727.1	758.1	794.2	827.8	857.0	887.1
40°	696.4	743.4	779.7	835.0	860.0	933.0	972.4	1032.8	1062.7	1121.5	1158.6
37.5°	1049.0	1113.1	1216.1	1285.0	1296.2	1437.2	1459.6	1566.5	1566.7	1702.8	1775.3
35°	1806.4	1862.7	2150.5	2323.6	2377.5	2551.9	2642.3	2764.4	2889.7	3043.6	3058.8
32.5°	4533.6	4859.3	5668.7	5864.7	5615.5	6353.9	6617.5	6270.8	7326.6	7094.8	7253.1
30°	11433.2	12802.0	14319.9	16170.1	18199.2	18775.3	19900.8	21460.0	21727.0	26226.0	25636.6
27.5°	13185.2	15239.7	17400.6	19760.7	22137.7	24473.5	26361.2	27842.5	30186.0	34660.4	35783.9
25°	9891.6	11411.1	13056.5	15094.4	17492.6	19967.4	22350.7	23561.4	25733.3	29711.8	30732.4
22.5°	6569.1	7360.9	8312.2	9514.4	10829.4	12152.3	13114.7	13884.5	15333.1	16106.0	17331.2
20°	6315.8	6899.3	7613.2	8516.1	9612.7	10819.0	11947.2	12830.8	13474.9	14282.5	15215.0
17.5°	7090.1	7597.5	8139.9	8763.4	9531.4	10440.7	11497.9	12688.3	13997.9	15391.8	16387.7
15°	8326.5	9043.4	9762.2	10501.8	11320.2	12259.8	13399.1	14959.2	16840.8	18927.0	20599.4
12.5°	12476.7	14100.4	14931.1	15915.8	17863.7	19919.0	22532.8	25407.4	28955.6	32267.8	34147.9
10°	27745.7	32683.5	37084.7	42490.6	47771.1	53127.7	57993.2	63138.4	72004.5	79712.6	86324.6
7.5°	41626.9	49626.8	58610.1	67305.2	76398.5	85887.3	94426.8	104827.2	119000.2	132514.7	142310.8
5°	45601.2	54664.5	64714.3	75261.0	85988.0	97290.4	108308.2	121581.5	139928.6	156741.9	169554.4
2.5°	46886.9	56284.1	66843.6	77752.6	89089.6	101718.8	113991.7	128779.9	148780.5	168241.5	184135.6
0°	46915.6	56218.2	66377.3	77029.3	88237.4	100750.6	112911.5	127553.1	147136.9	166526.7	182214.1
-2.5°	45896.2	54815.9	64457.1	74428.2	84922.4	96470.0	107299.2	120085.0	137761.3	155298.7	169254.6
-5°	44155.5	52314.4	61046.5	70028.2	79286.0	88976.8	97895.3	108099.1	123218.3	138653.9	151094.5
-7.5°	40518.4	47627.5	55221.8	62733.2	70810.4	79280.0	86932.0	95796.3	109058.7	124246.9	137112.6
-10°	29286.3	33828.5	38358.4	43884.8	49295.3	54871.1	60392.2	66361.9	75797.4	86292.1	96801.6
-12.5°	19303.0	22366.3	25253.0	28520.9	32580.3	36799.9	41265.0	46383.5	53117.3	60782.4	67888.8
-15°	19394.0	22707.1	26293.4	30131.8	34209.4	38481.5	42608.5	47073.6	53113.9	60343.7	67026.7
-17.5°	22809.4	26819.1	30995.3	35355.0	39766.5	44201.2	48279.3	51627.1	56699.3	63287.9	68928.6
-20°	23334.2	27134.5	31055.1	35122.8	39274.9	43516.0	47417.8	50017.2	54193.1	59939.0	64398.4

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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°	21158.5	24545.1	28151.2	31952.0	35791.9	39565.4	42981.5	45319.8	48728.7	53894.1	57895.1
-25°	18346.8	21160.9	24311.2	27770.2	31340.4	34730.6	37742.2	39766.8	42058.9	46477.0	49685.5
-27.5°	14751.0	17102.4	19471.0	22196.9	24673.4	27054.7	29622.1	30926.9	31670.5	36326.3	36910.9
-30°	9349.4	10531.4	11404.5	12109.3	13209.6	14932.2	16070.5	16051.4	17986.7	18102.3	20594.8
-32.5°	5918.1	6584.5	7173.1	7789.2	8397.9	9258.4	9787.0	10547.6	11002.9	12010.6	12327.8
-35°	4336.7	4684.0	5138.8	5574.3	5932.9	6373.9	6763.8	7164.8	7595.4	8063.4	8394.9
-37.5°	3310.8	3606.0	3909.9	4216.5	4502.5	4834.3	5107.3	5420.3	5686.6	6039.1	6317.7
-40°	2425.2	2624.4	2886.4	3109.0	3320.8	3563.6	3745.4	4024.7	4253.8	4460.7	4691.6
-42.5°	1841.4	2009.8	2164.4	2348.1	2491.1	2692.7	2836.0	3055.2	3255.0	3428.8	3691.9
-45°	1442.6	1584.1	1702.3	1851.1	1980.7	2115.9	2325.8	2433.7	2590.1	2908.2	3118.0
-47.5°	1173.1	1284.5	1386.8	1491.7	1585.9	1686.7	1784.9	1891.7	1993.1	2071.9	2150.6
-50°	990.7	1068.7	1150.4	1232.9	1309.7	1388.0	1469.4	1550.4	1629.5	1702.3	1765.5
-52.5°	811.9	877.7	937.2	999.9	1060.6	1120.5	1180.6	1239.6	1294.8	1354.6	1401.5
-55°	655.8	706.3	751.9	800.9	843.7	886.3	933.9	980.4	1020.7	1060.0	1094.3
-57.5°	529.8	568.1	602.4	640.2	674.9	702.2	736.5	773.0	805.0	830.4	855.0
-60°	409.5	441.0	471.2	498.3	522.4	552.2	584.6	605.2	625.3	645.6	667.4
-62.5°	285.6	306.1	332.4	355.0	365.6	368.8	378.9	400.5	426.9	447.0	462.1
-65°	198.0	207.1	214.8	222.2	239.3	245.4	249.3	255.0	265.2	279.7	290.7
-67.5°	138.8	148.6	155.7	160.3	165.5	172.9	179.5	184.2	188.3	192.4	197.7
-70°	94.8	102.0	107.5	110.9	113.0	117.3	121.4	124.8	127.8	131.6	134.0
-72.5°	61.3	66.3	70.5	73.8	76.0	77.0	79.6	81.3	82.6	85.1	86.5
-75°	36.7	39.1	42.2	44.6	46.8	47.7	49.3	49.3	49.4	51.0	52.6
-77.5°	20.3	20.7	22.5	23.8	24.8	26.5	26.8	26.4	25.9	26.9	27.9
-80°	8.6	9.1	10.1	10.2	10.3	11.0	11.7	10.7	11.0	11.6	12.0
-82.5°	3.2	3.5	3.9	3.3	3.4	3.6	3.8	2.7	2.7	2.7	2.8
-85°	1.5	1.6	1.6	1.8	1.8	1.8	1.8	1.6	1.6	1.6	1.6
-87.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.3	0.3	0.3	0.3
-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):

	-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°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.5	3.5	3.5
85°	7.2	7.2	7.2	7.3	7.2	7.2	7.2	7.1	7.1	7.0	6.9
82.5°	10.8	10.8	10.9	10.9	10.9	10.8	10.8	10.7	10.6	10.5	10.4
80°	14.5	14.5	14.6	14.6	14.6	14.5	14.5	14.4	14.2	14.1	13.9
77.5°	19.8	20.0	20.1	20.1	20.1	20.0	19.8	19.6	19.3	19.0	18.6
75°	27.1	27.4	27.5	27.6	27.5	27.4	27.1	26.8	26.3	25.7	25.0
72.5°	37.7	38.1	38.3	38.4	38.3	38.1	37.7	37.1	36.3	35.5	34.4
70°	51.7	52.3	52.7	52.8	52.7	52.3	51.7	50.9	49.8	48.5	47.0
67.5°	69.2	70.5	71.0	71.3	71.0	70.5	69.2	67.1	66.7	64.9	63.5
65°	90.9	92.2	93.0	93.2	93.0	92.2	90.9	89.1	87.1	84.3	82.9
62.5°	116.5	118.1	120.3	119.3	120.3	118.1	116.5	114.3	112.0	108.8	105.6
60°	152.0	154.5	156.0	156.5	156.0	154.5	152.0	147.7	143.5	138.9	134.4
57.5°	189.8	193.4	196.4	199.9	196.4	193.4	189.8	187.0	181.6	176.5	171.9
55°	238.0	243.2	246.1	246.9	246.1	243.2	238.0	231.6	227.0	221.4	213.8
52.5°	301.8	305.5	309.9	308.7	309.9	305.5	301.8	293.2	285.9	277.3	270.0
50°	385.5	392.2	395.2	402.3	395.2	392.2	385.5	376.1	367.4	356.3	343.8
47.5°	509.6	521.3	529.2	531.7	529.2	521.3	509.6	499.5	487.7	472.1	452.6
45°	686.4	704.2	716.6	717.9	716.6	704.2	686.4	666.5	647.6	630.4	604.7
42.5°	916.1	934.6	951.9	953.0	951.9	934.6	916.1	887.1	857.0	827.8	794.2
40°	1184.2	1210.2	1223.5	1234.2	1223.5	1210.2	1184.2	1158.6	1121.5	1062.7	1032.8
37.5°	1769.4	1821.2	1878.3	1901.8	1878.3	1821.2	1769.4	1775.3	1702.8	1566.7	1566.5
35°	3220.1	3357.5	3424.9	3431.3	3424.9	3357.5	3220.1	3058.8	3043.6	2889.7	2764.4
32.5°	8286.2	7991.5	7686.9	7576.5	7686.9	7991.5	8286.2	7253.1	7094.8	7326.6	6270.8
30°	26075.7	29267.1	30883.9	31374.7	30883.9	29267.1	26075.7	25636.6	26226.0	21727.0	21460.0
27.5°	37772.0	39115.8	39240.4	39440.9	39240.4	39115.8	37772.0	35783.9	34660.4	30186.0	27842.5
25°	33338.0	33726.7	34020.6	34237.2	34020.6	33726.7	33338.0	30732.4	29711.8	25733.3	23561.4
22.5°	17826.6	19551.7	19566.9	19330.7	19566.9	19551.7	17826.6	17331.2	16106.0	15333.1	13884.5
20°	15852.2	16479.5	16954.9	17099.9	16954.9	16479.5	15852.2	15215.0	14282.5	13474.9	12830.8
17.5°	17609.7	17989.6	18629.3	18921.2	18629.3	17989.6	17609.7	16387.7	15391.8	13997.9	12688.3
15°	22728.5	23993.4	25459.5	25835.6	25459.5	23993.4	22728.5	20599.4	18927.0	16840.8	14959.2
12.5°	38998.1	42839.9	45026.3	44961.9	45026.3	42839.9	38998.1	34147.9	32267.8	28955.6	25407.4
10°	93059.6	97301.4	101226.5	100813.8	101226.5	97301.4	93059.6	86324.6	79712.6	72004.5	63138.4
7.5°	151001.7	157921.2	165131.4	164733.7	165131.4	157921.2	151001.7	142310.8	132514.7	119000.2	104827.2
5°	181369.1	190394.0	194568.8	196684.6	194568.8	190394.0	181369.1	169554.4	156741.9	139928.6	121581.5
2.5°	198195.8	208615.1	214251.9	215642.5	214251.9	208615.1	198195.8	184135.6	168241.5	148780.5	128779.9
0°	196225.4	206813.7	213041.3	215680.3	213041.3	206813.7	196225.4	182214.1	166526.7	147136.9	127553.1
-2.5°	181284.9	190368.4	195957.6	198087.1	195957.6	190368.4	181284.9	169254.6	155298.7	137761.3	120085.0
-5°	162701.7	172611.6	178539.0	182105.7	178539.0	172611.6	162701.7	151094.5	138653.9	123218.3	108099.1
-7.5°	148932.0	158438.2	167240.6	167305.3	167240.6	158438.2	148932.0	137112.6	124246.9	109058.7	95796.3
-10°	107775.6	115197.4	119519.2	119231.6	119519.2	115197.4	107775.6	96801.6	86292.1	75797.4	66361.9
-12.5°	76505.5	82880.7	86864.6	87549.7	86864.6	82880.7	76505.5	67888.8	60782.4	53117.3	46383.5
-15°	73187.3	78095.4	81053.8	82172.1	81053.8	78095.4	73187.3	67026.7	60343.7	53113.9	47073.6
-17.5°	72769.8	76734.3	78546.2	79381.5	78546.2	76734.3	72769.8	68928.6	63287.9	56699.3	51627.1
-20°	67691.9	70325.1	71801.6	72393.4	71801.6	70325.1	67691.9	64398.4	59939.0	54193.1	50017.2

REPORT NUMBER: P902136 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-AV-03-1360S-57-85-S9-ZVP418L

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	60752.8	62928.2	64240.7	64599.3	64240.7	62928.2	60752.8	57895.1	53894.1	48728.7	45319.8
-25°	52288.4	52936.4	53982.4	54407.0	53982.4	52936.4	52288.4	49685.5	46477.0	42058.9	39766.8
-27.5°	38562.3	41442.7	41357.2	41293.1	41357.2	41442.7	38562.3	36910.9	36326.3	31670.5	30926.9
-30°	20998.2	20758.9	20742.8	20758.7	20742.8	20758.9	20998.2	20594.8	18102.3	17986.7	16051.4
-32.5°	13145.3	13764.2	14029.6	14049.1	14029.6	13764.2	13145.3	12327.8	12010.6	11002.9	10547.6
-35°	8815.1	9131.8	9293.2	9364.5	9293.2	9131.8	8815.1	8394.9	8063.4	7595.4	7164.8
-37.5°	6504.1	6675.1	6796.6	6853.4	6796.6	6675.1	6504.1	6317.7	6039.1	5686.6	5420.3
-40°	4871.2	4969.8	5008.8	5036.8	5008.8	4969.8	4871.2	4691.6	4460.7	4253.8	4024.7
-42.5°	3885.6	3978.9	4005.2	4018.3	4005.2	3978.9	3885.6	3691.9	3428.8	3255.0	3055.2
-45°	3111.1	3158.4	3200.3	3227.5	3200.3	3158.4	3111.1	3118.0	2908.2	2590.1	2433.7
-47.5°	2227.3	2281.0	2294.0	2299.1	2294.0	2281.0	2227.3	2150.6	2071.9	1993.1	1891.7
-50°	1815.9	1853.5	1879.1	1889.5	1879.1	1853.5	1815.9	1765.5	1702.3	1629.5	1550.4
-52.5°	1438.5	1468.4	1486.3	1494.8	1486.3	1468.4	1438.5	1401.5	1354.6	1294.8	1239.6
-55°	1126.8	1150.0	1164.0	1167.4	1164.0	1150.0	1126.8	1094.3	1060.0	1020.7	980.4
-57.5°	877.7	895.1	905.1	909.6	905.1	895.1	877.7	855.0	830.4	805.0	773.0
-60°	685.0	698.2	706.9	711.7	706.9	698.2	685.0	667.4	645.6	625.3	605.2
-62.5°	470.9	475.3	477.0	478.9	477.0	475.3	470.9	462.1	447.0	426.9	400.5
-65°	299.1	305.2	308.6	311.6	308.6	305.2	299.1	290.7	279.7	265.2	255.0
-67.5°	203.8	206.6	207.1	209.4	207.1	206.6	203.8	197.7	192.4	188.3	184.2
-70°	136.5	138.6	138.0	138.3	138.0	138.6	136.5	134.0	131.6	127.8	124.8
-72.5°	87.7	90.6	89.8	90.0	89.8	90.6	87.7	86.5	85.1	82.6	81.3
-75°	52.4	54.5	53.5	53.7	53.5	54.5	52.4	52.6	51.0	49.4	49.3
-77.5°	28.3	27.6	27.7	27.8	27.7	27.6	28.3	27.9	26.9	25.9	26.4
-80°	10.6	10.7	10.9	10.9	10.9	10.7	10.6	12.0	11.6	11.0	10.7
-82.5°	2.6	2.4	2.4	2.5	2.4	2.4	2.6	2.8	2.7	2.7	2.7
-85°	1.6	0.3	0.2	0.3	0.2	0.3	1.6	1.6	1.6	1.6	1.6
-87.5°	0.3	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3	0.3
-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):

	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°	3.4	3.3	3.3	3.2	3.1	3.1	3.0	2.9	2.8	2.7	2.6
85°	6.8	6.7	6.6	6.4	6.3	6.1	5.9	5.7	5.6	5.3	5.1
82.5°	10.2	10.0	9.9	9.6	9.4	9.2	8.9	8.6	8.3	8.0	7.7
80°	13.7	13.4	13.2	12.9	12.6	12.2	11.9	11.5	11.1	10.9	10.4
77.5°	18.2	17.8	17.2	16.7	16.2	15.7	15.2	14.4	14.3	14.6	13.7
75°	24.3	23.9	23.8	22.8	21.9	21.4	21.0	20.3	19.9	19.4	18.5
72.5°	33.2	32.7	32.6	31.3	30.6	29.8	28.7	28.2	27.5	26.4	25.6
70°	45.7	44.6	43.2	42.3	41.8	39.9	38.5	38.0	37.1	35.7	34.7
67.5°	61.9	60.0	58.0	56.7	55.4	53.0	50.5	50.1	48.3	46.8	46.3
65°	80.2	78.2	75.1	72.4	70.4	68.8	66.0	64.7	62.4	60.6	60.1
62.5°	102.4	99.7	96.2	92.1	89.5	86.7	83.0	81.7	79.6	77.6	76.0
60°	131.3	126.7	122.5	118.3	113.7	109.2	104.6	102.1	98.8	96.7	94.1
57.5°	167.2	160.1	156.1	149.5	142.9	137.0	130.5	126.8	121.6	117.5	114.2
55°	207.0	198.5	194.2	184.4	177.2	170.2	161.6	156.6	149.0	143.3	138.2
52.5°	259.0	247.6	238.7	230.9	219.7	211.0	201.4	194.1	184.3	177.1	170.3
50°	331.6	318.9	305.4	293.8	277.4	267.8	252.9	243.8	233.4	219.8	211.5
47.5°	436.9	419.6	402.0	386.0	364.7	348.8	328.2	313.4	299.6	280.8	268.9
45°	583.2	558.3	533.6	509.9	480.5	453.9	426.5	402.4	383.5	363.7	341.5
42.5°	758.1	727.1	693.9	657.7	622.9	585.1	548.1	512.2	482.9	450.5	426.3
40°	972.4	933.0	860.0	835.0	779.7	743.4	696.4	655.1	609.3	557.5	530.4
37.5°	1459.6	1437.2	1296.2	1285.0	1216.1	1113.1	1049.0	1004.7	936.4	863.3	793.5
35°	2642.3	2551.9	2377.5	2323.6	2150.5	1862.7	1806.4	1815.3	1720.6	1609.1	1461.1
32.5°	6617.5	6353.9	5615.5	5864.7	5668.7	4859.3	4533.6	3903.2	3654.2	3236.6	2708.8
30°	19900.8	18775.3	18199.2	16170.1	14319.9	12802.0	11433.2	9701.0	7507.8	5426.8	3995.4
27.5°	26361.2	24473.5	22137.7	19760.7	17400.6	15239.7	13185.2	11002.9	8576.1	6383.7	4636.3
25°	22350.7	19967.4	17492.6	15094.4	13056.5	11411.1	9891.6	8473.6	6766.7	5437.7	4314.7
22.5°	13114.7	12152.3	10829.4	9514.4	8312.2	7360.9	6569.1	5831.1	5085.8	4555.8	4176.5
20°	11947.2	10819.0	9612.7	8516.1	7613.2	6899.3	6315.8	5802.7	5314.2	4908.6	4545.9
17.5°	11497.9	10440.7	9531.4	8763.4	8139.9	7597.5	7090.1	6571.9	6056.9	5594.4	5176.0
15°	13399.1	12259.8	11320.2	10501.8	9762.2	9043.4	8326.5	7687.4	7077.0	6497.2	6016.2
12.5°	22532.8	19919.0	17863.7	15915.8	14931.1	14100.4	12476.7	11411.3	10138.1	8965.2	7901.1
10°	57993.2	53127.7	47771.1	42490.6	37084.7	32683.5	27745.7	24157.7	19464.7	16265.5	13657.9
7.5°	94426.8	85887.3	76398.5	67305.2	58610.1	49626.8	41626.9	34852.1	27647.2	21854.4	18477.2
5°	108308.2	97290.4	85988.0	75261.0	64714.3	54664.5	45601.2	37427.1	29872.1	23638.0	19621.8
2.5°	113991.7	101718.8	89089.6	77752.6	66843.6	56284.1	46886.9	38481.6	30575.3	24264.8	20163.6
0°	112911.5	100750.6	88237.4	77029.3	66377.3	56218.2	46915.6	38426.6	30444.6	24358.4	20273.0
-2.5°	107299.2	96470.0	84922.4	74428.2	64457.1	54815.9	45896.2	37732.0	29866.4	23985.2	20014.1
-5°	97895.3	88976.8	79286.0	70028.2	61046.5	52314.4	44155.5	36448.6	29030.5	23522.7	19653.3
-7.5°	86932.0	79280.0	70810.4	62733.2	55221.8	47627.5	40518.4	34106.8	27195.9	22103.0	18861.7
-10°	60392.2	54871.1	49295.3	43884.8	38358.4	33828.5	29286.3	25435.7	20794.0	17811.7	15205.9
-12.5°	41265.0	36799.9	32580.3	28520.9	25253.0	22366.3	19303.0	16875.5	14454.0	12571.3	11013.2
-15°	42608.5	38481.5	34209.4	30131.8	26293.4	22707.1	19394.0	16564.0	13693.3	11822.7	10213.9
-17.5°	48279.3	44201.2	39766.5	35355.0	30995.3	26819.1	22809.4	18870.5	15442.2	12801.4	10618.3
-20°	47417.8	43516.0	39274.9	35122.8	31055.1	27134.5	23334.2	19276.0	15863.9	13209.6	10479.8

REPORT NUMBER: P902136 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-AV-03-1360S-57-85-S9-ZVP418L

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	42981.5	39565.4	35791.9	31952.0	28151.2	24545.1	21158.5	17642.6	14544.7	11953.6	9437.9
-25°	37742.2	34730.6	31340.4	27770.2	24311.2	21160.9	18346.8	15177.5	12572.7	10092.4	8014.1
-27.5°	29622.1	27054.7	24673.4	22196.9	19471.0	17102.4	14751.0	12363.3	10081.6	8132.9	6753.0
-30°	16070.5	14932.2	13209.6	12109.3	11404.5	10531.4	9349.4	8335.7	7080.9	5983.7	5221.7
-32.5°	9787.0	9258.4	8397.9	7789.2	7173.1	6584.5	5918.1	5321.6	4818.5	4396.5	3967.5
-35°	6763.8	6373.9	5932.9	5574.3	5138.8	4684.0	4336.7	4012.1	3672.7	3345.9	3024.5
-37.5°	5107.3	4834.3	4502.5	4216.5	3909.9	3606.0	3310.8	3026.8	2757.3	2497.2	2263.6
-40°	3745.4	3563.6	3320.8	3109.0	2886.4	2624.4	2425.2	2204.1	1971.2	1813.3	1645.9
-42.5°	2836.0	2692.7	2491.1	2348.1	2164.4	2009.8	1841.4	1677.4	1508.8	1380.9	1242.8
-45°	2325.8	2115.9	1980.7	1851.1	1702.3	1584.1	1442.6	1326.0	1201.5	1103.8	990.2
-47.5°	1784.9	1686.7	1585.9	1491.7	1386.8	1284.5	1173.1	1082.3	991.6	903.4	835.1
-50°	1469.4	1388.0	1309.7	1232.9	1150.4	1068.7	990.7	911.4	838.3	770.6	709.0
-52.5°	1180.6	1120.5	1060.6	999.9	937.2	877.7	811.9	753.4	694.4	644.6	595.2
-55°	933.9	886.3	843.7	800.9	751.9	706.3	655.8	613.4	568.3	527.6	487.9
-57.5°	736.5	702.2	674.9	640.2	602.4	568.1	529.8	493.4	456.3	421.8	391.5
-60°	584.6	552.2	522.4	498.3	471.2	441.0	409.5	380.3	352.2	326.5	307.2
-62.5°	378.9	368.8	365.6	355.0	332.4	306.1	285.6	273.9	251.9	234.3	226.4
-65°	249.3	245.4	239.3	222.2	214.8	207.1	198.0	187.5	176.7	165.5	158.1
-67.5°	179.5	172.9	165.5	160.3	155.7	148.6	138.8	131.8	124.7	116.8	109.9
-70°	121.4	117.3	113.0	110.9	107.5	102.0	94.8	89.0	85.0	80.0	74.2
-72.5°	79.6	77.0	76.0	73.8	70.5	66.3	61.3	57.4	55.7	52.9	49.8
-75°	49.3	47.7	46.8	44.6	42.2	39.1	36.7	35.1	34.9	33.4	31.9
-77.5°	26.8	26.5	24.8	23.8	22.5	20.7	20.3	19.8	19.5	19.0	17.9
-80°	11.7	11.0	10.3	10.2	10.1	9.1	8.6	9.0	8.7	9.0	8.2
-82.5°	3.8	3.6	3.4	3.3	3.9	3.5	3.2	3.3	3.2	3.2	2.9
-85°	1.8	1.8	1.8	1.8	1.6	1.6	1.5	1.2	1.2	1.0	1.1
-87.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.5	1.5	1.4
-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: P902136 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-AV-03-1360S-57-85-S9-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°	2.5	3.8	3.6	3.2	3.0	2.8	2.6	2.3	2.1	2.6	2.3
85°	4.9	5.5	5.5	5.8	5.5	5.2	4.9	4.6	4.3	5.1	4.5
82.5°	7.4	7.3	7.1	8.0	7.4	6.9	6.5	6.8	6.1	7.1	6.4
80°	10.0	10.0	9.4	10.2	9.9	9.4	8.7	9.0	8.0	8.7	7.8
77.5°	13.3	13.9	13.1	12.9	13.1	12.3	11.4	11.8	10.9	10.7	9.2
75°	17.4	17.8	17.6	16.9	16.9	16.5	15.3	15.0	14.1	13.5	11.7
72.5°	24.6	24.4	23.6	22.5	22.5	21.5	19.4	19.5	18.5	16.5	14.8
70°	33.9	33.0	31.1	30.7	30.0	27.6	26.6	25.3	23.5	21.3	18.1
67.5°	45.3	43.2	41.6	40.9	39.4	37.1	34.8	33.2	29.9	26.6	23.3
65°	58.7	56.4	54.7	52.9	51.9	47.9	46.3	42.4	38.2	33.4	28.8
62.5°	74.5	72.9	70.4	68.6	66.0	62.1	58.9	54.3	47.5	42.1	34.5
60°	92.3	90.8	88.8	86.2	82.6	78.3	73.9	67.5	60.3	51.2	43.0
57.5°	112.0	110.5	108.7	105.5	101.9	96.9	90.8	83.4	73.7	63.4	51.9
55°	135.4	133.2	130.9	127.8	123.3	118.4	111.0	100.2	90.5	77.2	61.1
52.5°	163.5	160.7	157.6	154.3	149.8	143.4	134.2	123.1	109.2	92.0	75.6
50°	201.4	195.6	192.5	186.8	181.3	175.6	164.7	149.2	131.5	114.0	92.1
47.5°	257.0	245.5	238.3	231.5	224.3	214.2	200.6	184.6	163.6	138.2	110.1
45°	324.6	310.3	299.1	287.8	276.6	263.4	246.9	226.0	199.5	162.1	129.9
42.5°	405.1	386.3	370.6	355.5	330.9	318.2	301.8	273.2	245.7	206.4	164.7
40°	502.0	483.8	469.4	453.4	412.0	392.4	384.6	362.9	309.1	264.9	221.1
37.5°	757.6	721.3	675.6	659.4	621.9	568.8	502.9	493.2	438.5	337.9	298.0
35°	1310.4	1224.5	1142.5	1030.8	925.0	876.1	789.1	689.5	624.9	485.5	400.1
32.5°	2325.4	2032.8	1825.2	1637.6	1450.5	1278.7	1131.7	980.2	865.8	641.6	496.4
30°	3281.5	2767.8	2383.6	2154.3	1970.2	1614.5	1409.1	1215.3	1027.6	787.6	574.7
27.5°	3612.8	3062.9	2697.6	2423.6	2183.6	1881.2	1578.2	1370.9	1146.2	893.1	645.2
25°	3647.9	3193.3	2836.6	2574.0	2294.6	2024.8	1725.9	1478.7	1230.1	973.3	708.2
22.5°	3748.0	3383.4	3080.3	2740.0	2500.4	2164.7	1911.2	1598.2	1357.5	1059.0	795.0
20°	4153.7	3808.7	3452.4	3133.4	2790.8	2465.0	2117.2	1807.7	1502.0	1181.2	894.4
17.5°	4744.8	4339.2	3946.1	3566.6	3188.0	2800.9	2411.8	2035.3	1694.5	1344.8	996.9
15°	5500.7	5025.6	4561.8	4049.6	3655.7	3205.7	2725.3	2328.1	1944.7	1513.6	1137.9
12.5°	7568.1	6436.1	5561.4	4849.3	4236.3	3704.2	3204.5	2682.9	2200.6	1753.0	1327.6
10°	11493.0	9427.4	7244.6	5825.3	5016.9	4431.2	3728.4	3048.2	2538.4	2049.3	1519.0
7.5°	15319.0	11685.9	8388.4	6785.9	5790.3	5020.0	4135.4	3409.7	2876.4	2347.1	1694.1
5°	16458.0	12743.7	9105.8	7314.4	6205.9	5433.9	4504.4	3729.4	3129.6	2514.3	1794.0
2.5°	16964.1	13148.7	9484.4	7659.2	6493.9	5683.1	4688.4	3886.7	3271.0	2629.3	1885.8
0°	17113.6	13211.8	9653.0	7853.0	6678.8	5855.9	4838.6	4029.4	3402.1	2732.3	1969.1
-2.5°	16907.0	12961.3	9591.3	7848.8	6692.3	5876.2	4853.9	4046.1	3418.9	2735.2	1968.2
-5°	16614.1	12610.1	9457.6	7775.9	6647.7	5837.7	4839.1	4048.6	3425.3	2725.3	1958.1
-7.5°	15770.2	11841.0	9069.2	7576.2	6533.5	5682.1	4679.0	3898.9	3303.8	2656.5	1938.7
-10°	12889.2	10320.9	8289.1	6899.0	5979.1	5282.1	4463.0	3705.3	3081.7	2435.4	1804.7
-12.5°	10097.1	8355.4	7081.0	6165.9	5381.4	4676.2	4018.4	3416.5	2841.2	2207.2	1643.6
-15°	8795.8	7433.8	6396.0	5563.3	4952.0	4282.4	3606.5	3090.0	2603.8	2014.1	1481.2
-17.5°	8404.6	7022.5	6047.0	5305.9	4660.4	3957.4	3372.1	2857.4	2372.8	1875.9	1375.2
-20°	8228.6	6738.8	5809.2	5061.7	4439.1	3711.9	3163.5	2744.0	2235.7	1745.9	1314.0

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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	7551.5	6329.3	5438.6	4781.6	4141.5	3504.5	3012.5	2641.4	2146.9	1641.8	1254.1
-25°	6681.8	5708.6	4972.7	4358.9	3784.1	3227.5	2849.0	2490.1	2041.0	1544.3	1187.8
-27.5°	5753.0	4962.1	4382.7	3837.4	3311.3	2933.5	2567.7	2319.3	1823.7	1432.3	1063.4
-30°	4568.4	4067.7	3614.0	3166.1	2816.8	2489.6	2234.2	1980.2	1583.5	1263.0	930.3
-32.5°	3532.8	3157.2	2814.1	2535.9	2275.6	2021.8	1835.0	1599.8	1318.8	1045.3	788.5
-35°	2694.2	2425.7	2181.3	1977.3	1776.1	1597.5	1441.8	1236.6	1043.9	835.5	643.0
-37.5°	2042.8	1828.9	1645.0	1507.0	1370.9	1239.5	1101.4	973.0	821.0	652.3	521.8
-40°	1492.0	1339.5	1211.8	1113.1	1011.4	935.1	862.3	767.5	650.0	542.9	429.6
-42.5°	1120.9	1024.3	935.7	868.4	803.5	744.0	679.6	603.1	537.3	448.1	351.7
-45°	907.9	838.3	770.2	708.1	667.2	621.2	572.0	517.8	453.3	367.8	289.7
-47.5°	765.7	704.3	649.3	611.6	572.5	531.9	491.6	445.5	389.3	319.4	251.5
-50°	653.5	604.7	561.9	529.5	498.0	461.5	423.1	380.9	332.2	277.6	219.4
-52.5°	551.2	513.1	481.2	451.6	422.7	390.9	357.1	323.8	282.6	235.6	186.5
-55°	455.2	423.9	399.4	375.1	348.9	324.0	297.0	268.2	235.4	197.7	153.5
-57.5°	367.8	343.6	324.0	302.8	283.3	262.2	240.1	218.7	189.7	160.7	126.7
-60°	287.7	268.4	253.2	235.3	221.4	206.1	188.9	171.5	150.7	126.3	100.9
-62.5°	206.6	197.7	185.7	174.7	166.9	156.3	141.8	132.1	113.0	99.6	76.0
-65°	148.3	139.8	133.1	123.1	122.9	111.9	105.8	96.3	86.6	74.1	61.2
-67.5°	104.4	98.4	93.3	91.3	86.8	82.7	76.0	71.7	64.0	55.3	46.7
-70°	71.8	69.2	65.6	65.1	62.3	58.2	56.4	52.1	46.5	40.9	33.3
-72.5°	48.0	46.9	46.0	44.0	43.6	42.2	39.2	37.4	33.1	27.6	24.9
-75°	30.5	29.9	30.5	30.4	29.4	28.2	26.7	24.8	21.8	19.5	16.7
-77.5°	17.8	18.0	18.1	18.1	17.5	16.1	15.5	16.0	14.3	11.7	10.2
-80°	8.4	9.2	8.0	7.8	8.5	8.6	8.3	8.5	7.7	7.2	6.7
-82.5°	2.8	3.9	3.2	2.4	2.5	3.2	3.6	4.4	4.9	4.1	3.1
-85°	1.0	1.7	1.5	1.4	1.7	1.8	1.5	1.1	2.2	1.9	1.5
-87.5°	1.4	1.2	1.1	1.1	0.9	0.7	0.6	0.4	1.1	0.9	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°	1.9	1.5	1.2	1.2	0.8	0.4	0.0
85°	3.7	3.1	2.5	2.4	1.5	0.8	0.0
82.5°	5.6	4.6	3.7	3.6	2.3	1.1	0.0
80°	7.2	6.2	5.0	4.7	3.1	1.5	0.0
77.5°	8.8	7.7	6.3	5.9	3.8	1.9	0.0
75°	10.4	9.2	7.5	7.0	4.6	2.3	0.0
72.5°	13.1	10.7	8.7	7.9	5.3	2.6	0.0
70°	16.3	12.9	9.9	8.6	6.1	3.0	0.0
67.5°	19.5	15.8	11.0	9.3	6.8	3.3	0.0
65°	23.7	18.7	13.0	9.9	7.2	3.7	0.0
62.5°	29.0	21.6	15.7	10.5	7.5	4.0	0.0
60°	34.3	25.4	18.5	11.0	7.8	4.3	0.0
57.5°	39.7	30.5	21.2	11.6	8.1	4.7	0.0
55°	48.4	35.7	24.0	14.3	8.3	5.0	0.0
52.5°	57.9	41.1	27.3	17.2	8.5	5.3	0.0
50°	68.1	47.5	32.9	20.3	8.8	5.6	0.0
47.5°	80.0	59.6	39.3	23.5	9.0	5.8	0.0
45°	97.6	73.7	47.5	26.9	9.1	6.1	0.0
42.5°	115.7	89.6	56.7	30.4	9.3	6.4	0.0
40°	145.4	107.3	66.8	34.0	9.5	6.6	0.0
37.5°	196.5	126.9	77.9	37.4	9.6	6.8	0.0
35°	268.0	163.5	94.5	43.5	11.2	6.9	0.0
32.5°	342.3	206.3	114.0	50.5	13.2	6.9	0.0
30°	410.7	246.0	134.1	57.6	15.1	6.9	0.0
27.5°	462.0	282.6	153.9	64.7	17.0	6.9	0.0
25°	511.0	316.2	174.3	71.7	18.9	6.9	0.0
22.5°	561.4	353.1	195.3	78.5	20.9	6.9	0.0
20°	615.1	406.0	216.6	85.2	22.8	6.9	0.0
17.5°	708.0	461.5	238.1	94.6	24.6	6.8	0.0
15°	823.7	521.2	259.4	105.1	26.4	6.8	0.0
12.5°	941.4	584.4	290.9	115.6	28.1	6.8	0.0
10°	1059.3	647.2	326.3	125.9	29.6	6.7	0.0
7.5°	1151.3	707.2	361.2	136.0	31.0	6.7	0.0
5°	1230.1	763.6	395.3	145.6	32.3	6.6	0.0
2.5°	1303.2	816.2	428.0	154.6	33.3	6.6	0.0
0°	1370.2	864.4	458.7	162.7	34.0	6.5	0.0
-2.5°	1361.6	850.4	442.1	159.4	33.9	6.6	0.0
-5°	1346.3	831.5	423.3	155.1	33.5	6.6	0.0
-7.5°	1324.0	807.7	402.6	150.1	32.9	6.6	0.0
-10°	1278.1	778.7	380.4	144.3	32.0	6.7	0.0
-12.5°	1178.4	737.9	357.1	137.8	31.0	6.7	0.0
-15°	1077.6	686.8	336.6	130.8	29.6	6.7	0.0
-17.5°	977.2	638.6	324.9	123.3	28.1	6.8	0.0
-20°	899.9	594.1	311.0	115.7	26.4	6.8	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	859.0	551.9	294.7	108.9	24.5	6.8	0.0
-25°	811.8	509.0	276.0	101.5	22.4	6.8	0.0
-27.5°	755.9	460.8	255.0	93.6	20.2	6.8	0.0
-30°	681.2	407.2	230.5	85.2	17.8	6.8	0.0
-32.5°	572.0	348.2	196.8	76.4	15.4	6.7	0.0
-35°	466.3	283.8	165.2	67.1	12.9	6.7	0.0
-37.5°	373.7	230.0	139.7	59.0	10.9	6.6	0.0
-40°	305.0	202.8	123.4	54.5	11.0	6.4	0.0
-42.5°	256.3	176.9	107.7	49.6	10.9	6.1	0.0
-45°	220.0	152.2	92.8	43.9	10.8	5.9	0.0
-47.5°	186.7	128.9	78.5	38.2	10.6	5.6	0.0
-50°	162.1	106.9	65.5	32.5	10.2	5.3	0.0
-52.5°	138.2	92.1	53.0	26.8	9.8	5.0	0.0
-55°	113.9	78.1	45.1	21.1	9.4	4.7	0.0
-57.5°	89.4	64.3	38.3	15.4	8.8	4.4	0.0
-60°	74.7	50.6	31.5	13.6	8.1	4.1	0.0
-62.5°	60.2	40.3	24.8	12.2	7.4	3.8	0.0
-65°	46.1	32.7	18.0	10.7	6.6	3.5	0.0
-67.5°	35.3	25.2	13.6	9.2	5.9	3.2	0.0
-70°	27.3	17.7	11.6	7.7	5.3	2.8	0.0
-72.5°	19.4	12.7	9.6	6.1	4.6	2.5	0.0
-75°	12.8	9.9	7.6	4.7	4.0	2.1	0.0
-77.5°	9.5	7.0	5.5	3.9	3.3	1.8	0.0
-80°	6.3	4.1	4.1	3.1	2.7	1.4	0.0
-82.5°	3.3	2.6	3.1	2.3	2.0	1.1	0.0
-85°	2.2	1.7	2.1	1.5	1.3	0.7	0.0
-87.5°	1.1	0.9	1.0	0.8	0.7	0.4	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)