

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: P902110 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-A65-NB**

Issue Date: 11/14/2024

Test Information

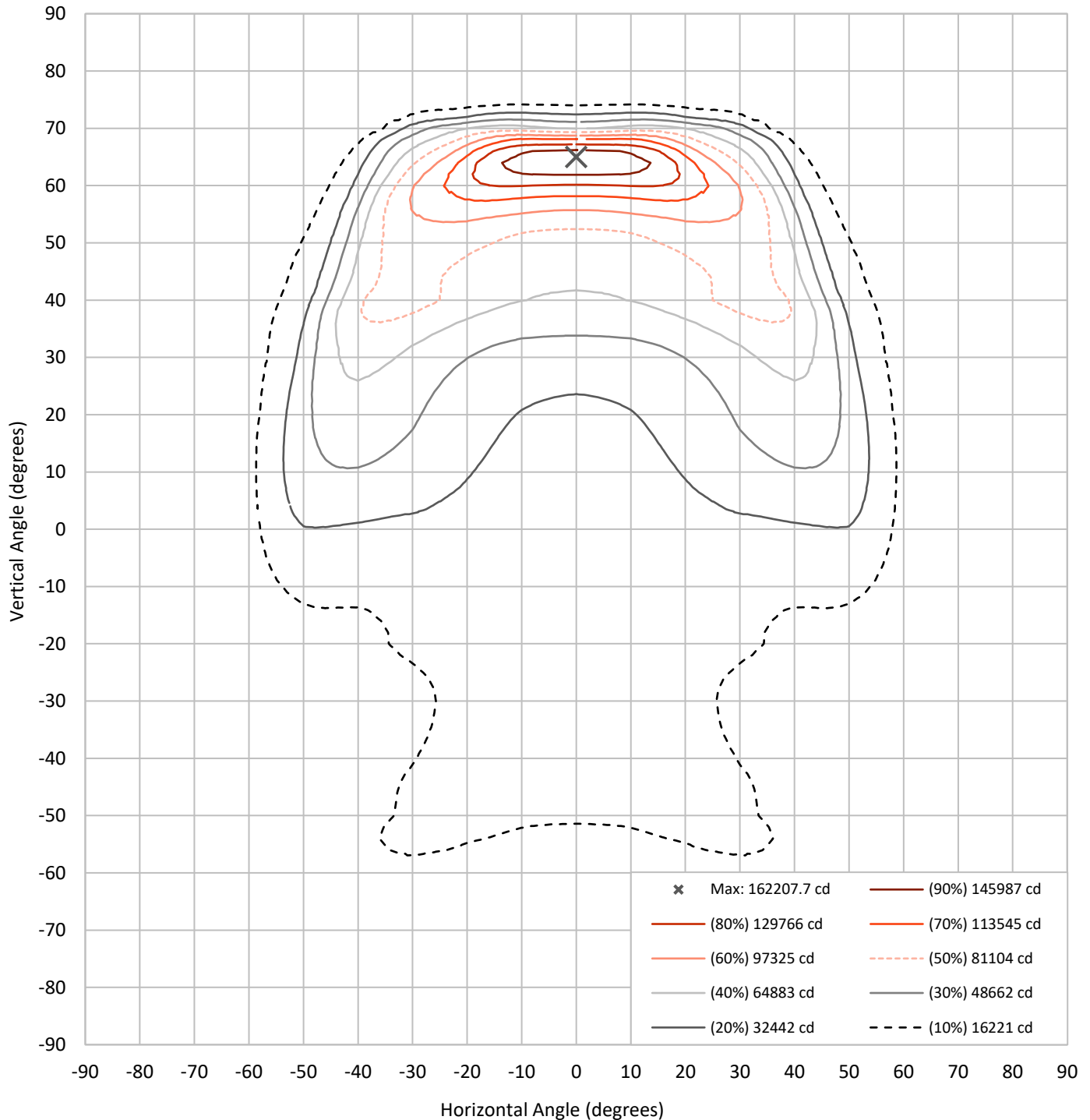
Test Method: LM-79-08
Report Number: P902110 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVM2039200)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A65-NB
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A65-NB OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 6V
Luminaire Lumens:	155684.2 lumens	Max Intensity:	162207.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 65°V
Efficacy:	110.2 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	56.4°H x 16.7°V	Field Angle (10%):	84.1°H x 125.4°V
Beam Lumens:	45152.7 lumens	Field Lumens:	141205.7 lumens
Beam Efficiency:	29.0%	Field Efficiency:	90.7%
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		

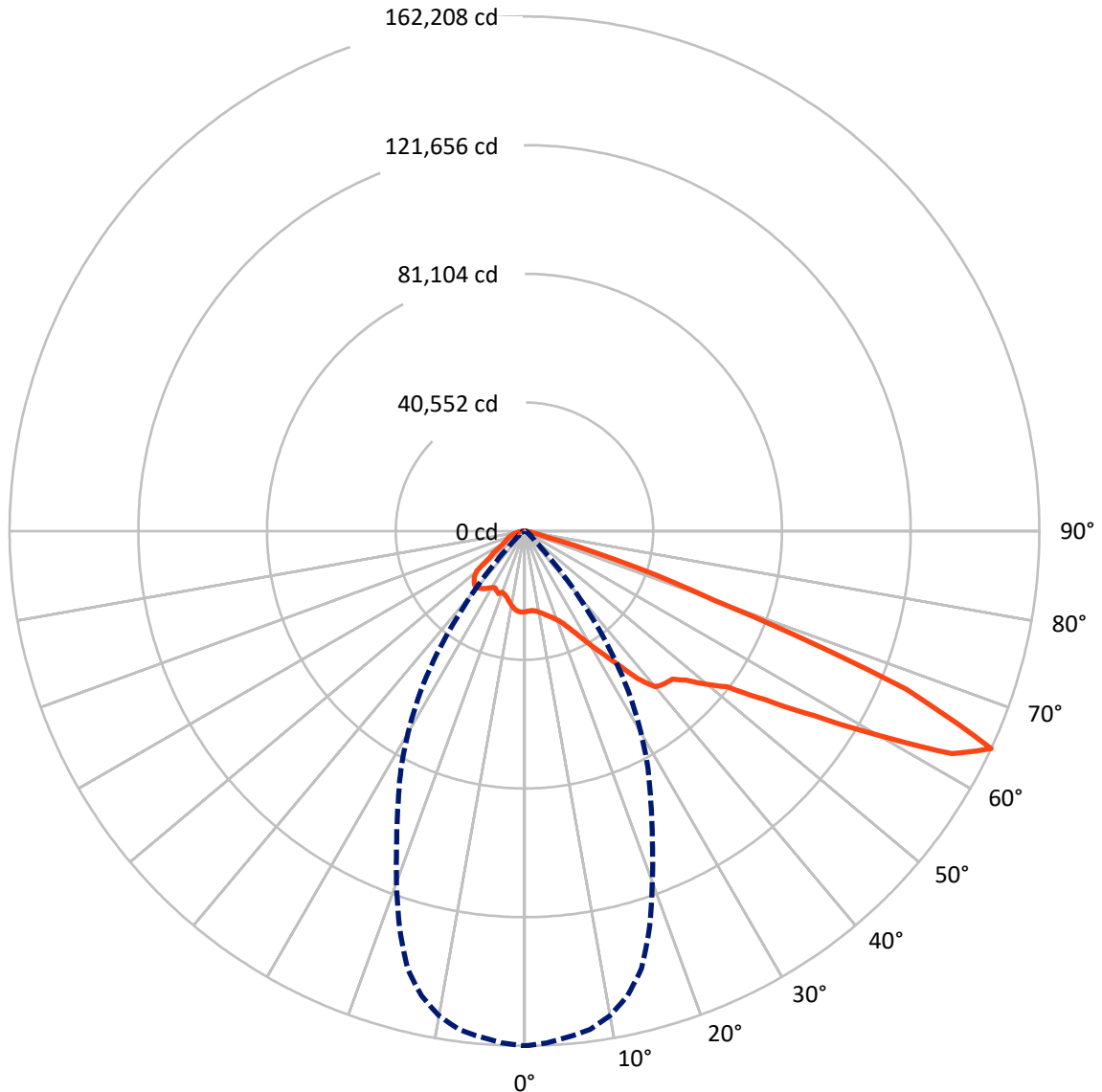
REPORT NUMBER: P902110 (CONVERTED FROM TYPE C PHOTOMETRY)
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Iso-Candela Plot



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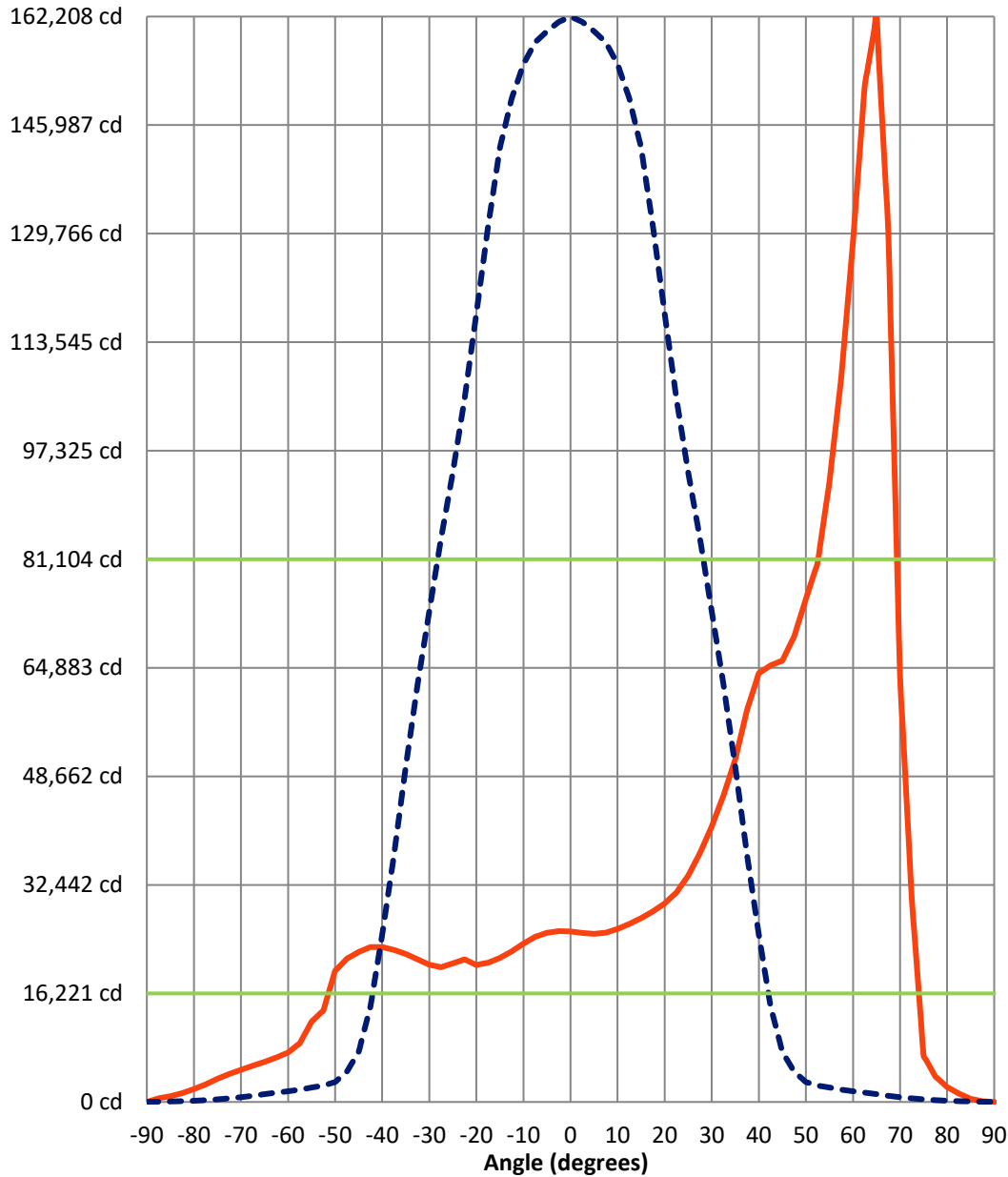
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 65-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 56.4°
 V Angle: 16.7°
 Lumens: 45152.7
 Efficiency: 29.0%

Field:
 H Angle: 84.1°
 V Angle: 125.4°
 Lumens: 141205.7
 Efficiency: 90.7%

Spill:
 Lumens: 14478.5
 Efficiency: 9.3%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 65-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	4.0	7.9	11.9	15.8	19.7	23.5	27.4	31.1	26.2	28.8
85°	0.0	7.9	15.8	23.7	31.6	39.3	47.0	54.7	62.2	52.7	61.7
82.5°	0.0	11.9	23.7	35.5	47.3	58.9	70.5	86.4	103.3	110.3	128.6
80°	0.0	15.8	31.6	47.3	62.9	79.8	101.4	126.6	149.5	170.1	206.5
77.5°	0.0	19.7	39.3	58.9	79.8	104.0	132.7	166.1	208.4	265.7	328.1
75°	0.0	23.5	47.0	70.5	98.9	127.9	163.3	226.4	297.4	369.3	461.8
72.5°	0.0	27.4	54.7	83.5	117.7	151.6	216.1	298.2	384.0	496.5	629.7
70°	0.0	31.1	62.2	96.5	136.1	185.9	275.4	369.0	493.4	633.1	800.7
67.5°	0.0	34.8	69.6	109.1	154.2	230.9	332.9	456.0	602.3	775.7	987.9
65°	0.0	38.4	76.8	121.2	178.9	274.1	395.0	542.3	713.7	921.2	1173.2
62.5°	0.0	42.0	84.0	132.8	208.9	315.3	462.5	624.8	831.8	1061.1	1362.3
60°	0.0	45.5	90.9	143.9	237.6	359.8	527.6	720.4	945.7	1220.6	1543.3
57.5°	0.0	48.9	97.7	155.0	264.9	408.8	590.1	812.4	1078.9	1378.3	1751.7
55°	0.0	52.2	104.3	173.7	290.7	455.2	665.1	901.5	1212.7	1565.7	1972.8
52.5°	0.0	55.4	110.7	191.8	317.7	499.2	736.3	1010.3	1341.2	1739.6	2182.2
50°	0.0	58.5	116.9	209.2	354.5	544.5	804.3	1115.5	1484.1	1895.7	2368.3
47.5°	0.0	61.5	122.9	225.9	390.3	602.9	871.9	1213.9	1620.6	2064.5	2561.1
45°	0.0	64.3	128.6	241.8	424.2	659.1	953.8	1318.1	1753.5	2227.4	2768.2
42.5°	0.0	67.1	134.1	257.0	456.0	712.8	1032.7	1431.8	1891.3	2392.5	2981.3
40°	0.0	69.7	139.3	271.5	485.5	764.0	1107.7	1537.1	2019.3	2549.4	3162.9
37.5°	0.0	72.2	144.3	285.1	512.9	812.5	1174.7	1633.1	2137.0	2696.5	3339.0
35°	0.0	74.5	151.9	302.9	543.5	859.9	1241.0	1722.1	2245.1	2839.6	3562.1
32.5°	0.0	76.7	160.0	321.4	574.0	904.5	1304.4	1799.4	2347.5	2977.6	3847.7
30°	0.0	78.8	167.4	338.5	601.7	945.6	1360.2	1864.6	2437.5	3106.1	4111.4
27.5°	0.0	80.7	174.3	354.3	627.9	983.4	1411.9	1920.2	2514.6	3230.7	4386.4
25°	0.0	82.5	180.6	368.7	651.0	1017.6	1456.6	1966.3	2585.2	3422.5	5107.1
22.5°	0.0	84.1	186.3	381.6	671.0	1047.1	1493.5	2017.5	2669.4	3651.1	5747.0
20°	0.0	85.5	191.4	393.0	687.8	1069.3	1524.6	2069.6	2748.8	3883.9	6293.6
17.5°	0.0	86.8	195.8	402.7	701.6	1086.7	1555.5	2113.8	2820.0	4090.1	6732.5
15°	0.0	87.9	199.6	410.6	712.4	1101.3	1582.2	2153.6	2876.9	4233.8	7011.6
12.5°	0.0	88.8	202.8	416.7	721.1	1113.5	1603.1	2189.8	2933.3	4344.4	7134.6
10°	0.0	89.6	205.3	421.2	727.5	1126.2	1618.0	2217.7	2989.1	4448.2	7203.7
7.5°	0.0	90.2	207.3	424.0	731.4	1138.3	1631.4	2237.6	3033.9	4519.4	7218.6
5°	0.0	90.7	208.6	425.3	732.8	1145.7	1640.1	2251.7	3057.6	4546.7	7197.6
2.5°	0.0	90.9	209.2	425.0	731.7	1148.5	1642.4	2256.7	3064.6	4536.1	7157.6
0°	0.0	91.0	209.3	423.2	728.1	1146.8	1638.3	2252.6	3058.1	4473.4	7071.9
-2.5°	0.0	91.2	209.2	422.5	730.1	1145.5	1633.9	2247.3	3051.4	4395.0	6970.3
-5°	0.0	91.1	208.6	420.4	729.5	1139.9	1623.2	2232.9	3031.4	4274.4	6809.2
-7.5°	0.0	90.9	207.3	416.8	726.3	1129.9	1606.4	2209.0	2998.1	4165.3	6670.7
-10°	0.0	90.6	205.5	411.7	720.3	1115.7	1584.5	2179.4	2951.5	4054.4	6485.1
-12.5°	0.0	90.0	203.1	405.3	711.6	1098.0	1558.8	2142.6	2891.9	3935.7	6310.8
-15°	0.0	89.3	200.1	397.5	699.4	1077.2	1525.8	2098.5	2818.7	3854.3	6115.0
-17.5°	0.0	88.4	196.6	388.3	683.0	1053.9	1485.3	2040.8	2731.0	3743.0	5846.3
-20°	0.0	87.4	192.5	378.0	664.3	1027.6	1438.3	1969.1	2629.6	3591.4	5478.2



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	86.2	187.9	367.2	643.4	997.2	1395.8	1888.2	2512.9	3409.1	5062.7
-25°	0.0	84.8	182.8	355.0	620.3	962.1	1351.5	1810.3	2380.3	3205.0	4617.7
-27.5°	0.0	83.3	177.2	341.5	595.2	923.7	1301.6	1746.1	2270.6	3003.2	4142.6
-30°	0.0	81.6	171.2	326.7	568.2	882.6	1246.2	1675.1	2169.5	2836.2	3889.7
-32.5°	0.0	79.7	165.2	310.7	539.7	838.9	1185.5	1597.3	2067.7	2662.1	3603.4
-35°	0.0	77.7	158.7	293.4	508.8	792.8	1118.6	1514.9	1956.7	2472.5	3259.2
-37.5°	0.0	75.5	152.6	277.2	478.3	747.3	1051.5	1433.8	1847.8	2300.7	2976.5
-40°	0.0	73.1	148.5	266.0	452.1	704.6	991.2	1350.6	1742.7	2154.1	2734.8
-42.5°	0.0	70.5	144.1	254.1	424.4	659.0	930.6	1261.1	1634.0	2003.2	2470.9
-45°	0.0	67.8	139.4	241.2	395.3	610.8	866.2	1164.8	1522.0	1853.9	2245.9
-47.5°	0.0	64.9	134.4	227.5	364.7	560.0	796.0	1067.8	1398.1	1717.0	2035.9
-50°	0.0	61.9	129.2	213.0	333.6	506.8	727.7	977.2	1268.3	1574.1	1836.4
-52.5°	0.0	58.7	123.7	197.8	301.5	466.6	657.5	883.7	1139.0	1427.5	1677.1
-55°	0.0	55.4	117.9	181.8	278.4	423.0	584.4	788.4	1028.6	1282.6	1513.0
-57.5°	0.0	52.0	111.9	165.1	257.1	378.2	509.1	698.3	912.1	1139.1	1351.8
-60°	0.0	48.5	105.7	154.4	234.9	332.5	455.5	605.5	793.1	996.7	1185.7
-62.5°	0.0	44.8	99.3	144.0	212.1	294.8	401.6	511.6	685.6	851.2	1033.3
-65°	0.0	41.1	92.7	133.3	188.6	263.4	347.2	451.6	579.9	735.9	888.4
-67.5°	0.0	37.2	85.1	122.4	168.4	231.2	300.0	390.2	494.2	625.2	756.3
-70°	0.0	33.3	76.4	111.3	151.9	198.1	258.2	329.4	416.8	521.9	627.5
-72.5°	0.0	29.3	67.5	100.1	134.5	169.8	215.0	278.6	337.6	426.0	516.1
-75°	0.0	25.3	58.3	88.1	116.5	146.1	175.3	227.1	277.9	341.4	413.3
-77.5°	0.0	21.1	48.9	73.7	97.9	122.2	149.2	182.7	217.4	280.4	333.1
-80°	0.0	17.0	39.3	59.1	78.6	98.0	123.1	151.4	172.8	220.4	259.5
-82.5°	0.0	12.8	29.6	44.4	59.1	73.7	96.5	119.5	134.6	163.1	188.1
-85°	0.0	8.5	19.8	29.7	39.5	49.2	64.6	81.8	93.3	104.4	116.8
-87.5°	0.0	4.3	9.9	14.8	19.7	24.6	32.4	41.0	46.7	52.2	57.7
-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):

	-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°	31.5	34.1	36.7	39.1	41.5	43.9	61.3	64.3	67.1	69.7	72.2
85°	76.3	90.8	103.2	110.0	120.9	131.8	147.7	156.5	164.8	188.5	194.6
82.5°	157.1	181.1	199.3	217.9	248.0	278.2	307.3	335.3	362.2	389.9	412.5
80°	261.7	307.1	347.1	385.4	429.2	481.9	538.3	591.2	640.7	700.4	750.4
77.5°	388.9	455.9	530.4	595.8	661.8	727.7	830.3	927.7	1021.6	1124.2	1242.7
75°	573.4	671.3	749.4	846.0	951.1	1058.2	1192.0	1366.5	1565.6	1796.7	2049.0
72.5°	771.4	899.9	1019.3	1139.9	1282.1	1447.2	1648.4	1954.0	2362.8	2811.7	3302.2
70°	982.8	1135.1	1285.0	1451.1	1641.6	1885.1	2270.0	2840.2	3993.8	5734.4	8770.4
67.5°	1192.7	1370.0	1543.4	1789.9	2043.9	2373.5	3227.4	4744.6	7775.0	15139.8	27377.5
65°	1397.3	1604.0	1841.9	2161.2	2446.6	2982.6	4543.5	7495.3	14284.0	25021.7	36912.3
62.5°	1603.0	1841.4	2130.4	2505.5	2935.5	4095.0	6368.9	12184.6	21737.0	31362.8	43506.4
60°	1824.5	2093.2	2412.1	2876.5	3600.2	5476.2	9194.2	16888.6	25493.5	36787.3	53163.0
57.5°	2056.9	2365.2	2725.8	3245.8	4691.7	7271.0	13658.3	21455.3	30110.1	44413.5	62804.6
55°	2303.9	2647.5	3034.2	4080.7	6139.0	10754.2	17392.9	24221.6	35729.3	52538.6	69593.1
52.5°	2550.3	2928.5	3556.3	4951.3	7875.8	14214.4	20356.2	27755.0	41109.9	58265.9	72876.5
50°	2795.4	3253.5	4061.3	5917.1	11347.1	17430.3	22139.9	31798.0	46387.6	62736.7	74997.7
47.5°	3037.0	3556.0	4917.9	8534.4	14748.9	19071.1	25348.3	36587.8	51952.3	66400.3	76993.7
45°	3305.6	4137.6	6218.2	11448.7	16261.8	20746.8	28310.7	40912.5	56476.9	69288.5	77893.6
42.5°	3554.9	4729.0	8294.8	13270.8	17623.3	22399.5	31759.0	46641.0	61540.6	72792.6	80328.2
40°	3976.2	5871.2	10193.5	15429.9	19175.1	25871.1	37865.6	53331.5	67887.9	78705.8	84649.5
37.5°	4385.8	7314.8	12371.6	16885.0	21770.0	30107.9	43699.5	59882.4	72690.8	80375.0	84283.4
35°	4965.6	8633.5	14146.0	17744.9	23473.0	33486.2	47345.8	61507.8	71334.7	76941.2	78807.6
32.5°	5953.8	9991.3	14301.7	18566.6	25297.9	35779.9	49066.4	61225.9	68717.0	72531.0	73061.9
30°	6822.5	11069.8	14383.6	19474.8	27152.3	37878.6	50875.4	61151.0	67238.2	69696.2	69280.7
27.5°	7630.2	11570.5	15102.8	21151.0	29442.2	40237.1	51843.1	60541.2	65253.0	66711.1	65707.2
25°	8265.0	11696.6	15995.2	22930.9	31611.2	42056.3	52528.3	59604.9	63076.0	63802.6	62339.5
22.5°	8739.6	11760.3	16608.6	24546.3	33402.6	43138.2	52053.5	57901.9	60619.5	61004.5	59505.1
20°	8976.7	11906.7	17434.0	25936.2	34792.2	43682.8	51409.2	56352.9	58671.6	58788.4	57186.8
17.5°	9177.4	12316.2	18382.6	27041.1	35761.0	43824.0	50571.7	54569.5	56404.1	56461.0	55045.0
15°	9305.4	12595.0	19021.3	27888.5	36369.6	43410.9	49056.2	52441.7	53987.0	53983.3	52754.0
12.5°	9419.7	12708.8	19337.9	28321.5	36331.0	42705.2	47332.6	50060.4	51255.1	51055.7	49907.0
10°	9466.1	12759.3	19352.5	28252.4	35919.0	41555.4	45206.2	47245.8	47870.0	47618.0	46571.5
7.5°	9495.7	12694.4	19181.4	27780.3	34967.1	39882.8	42556.0	43775.0	44041.8	43692.0	42764.0
5°	9477.5	12529.3	18719.0	26803.5	33478.6	37681.2	39362.1	39937.4	39862.2	39344.7	38515.5
2.5°	9447.8	12299.1	17981.1	25376.1	31435.6	34959.4	35833.5	35821.6	35468.0	34849.3	34136.0
0°	9370.1	11995.8	17001.7	23509.3	28829.1	31782.6	32096.6	31673.4	31059.0	30399.2	29798.5
-2.5°	9338.5	11645.8	15875.0	21304.3	25743.0	28231.9	28376.3	27742.8	27042.3	26386.8	25974.2
-5°	9258.3	11281.2	14716.3	19091.1	22650.9	24683.7	24905.2	24247.6	23561.1	23014.8	22709.5
-7.5°	9150.9	10964.6	13620.6	16993.3	19783.1	21432.4	21817.2	21271.7	20711.8	20248.7	20056.3
-10°	9012.8	10703.1	12764.3	15298.4	17316.1	18664.1	19107.8	18839.5	18451.9	18172.3	18147.9
-12.5°	8907.7	10503.7	12085.8	13937.6	15489.6	16460.1	16999.4	16939.5	16787.4	16678.2	16858.3
-15°	8792.4	10487.4	11592.9	12898.7	14152.5	14908.7	15472.1	15495.2	15528.8	15608.2	16006.7
-17.5°	8718.1	10592.5	11314.0	12348.8	13212.9	13946.5	14484.8	14648.0	14718.6	14908.3	15528.6
-20°	8397.1	10314.0	11117.5	11659.3	12477.5	13053.5	13716.8	14057.5	14328.6	14677.8	15484.9



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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NB

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	7671.8	9685.9	10553.9	10766.9	11443.5	11962.7	12481.7	13058.3	13420.1	13973.0	14908.4
-25°	6969.3	9175.7	10046.2	10285.5	10582.1	11062.2	11547.2	12052.1	12482.8	13107.8	14014.2
-27.5°	6421.0	8749.3	9938.5	10043.9	10174.5	10550.8	11039.4	11577.7	12117.6	12694.4	13519.4
-30°	5904.4	8234.7	9772.8	10018.7	9950.9	10193.9	10680.2	11236.6	11822.6	12385.2	13182.0
-32.5°	5324.5	7543.6	9226.7	9861.5	9811.0	9894.8	10285.5	10881.1	11534.0	12174.4	12923.6
-35°	4682.6	6800.8	8709.9	9716.3	9691.9	9638.1	9921.2	10525.8	11215.9	11914.4	12640.0
-37.5°	4180.8	6054.8	7916.3	9182.5	9650.9	9632.8	9715.3	10208.1	10976.7	11790.0	12601.8
-40°	3729.0	5305.3	7104.1	8634.6	9505.9	9619.6	9688.2	10080.7	10771.2	11709.4	12642.4
-42.5°	3235.4	4566.3	6202.0	7717.6	8870.6	9534.9	9730.8	10060.4	10764.7	11863.9	13072.7
-45°	2863.2	3828.2	5236.9	6774.0	8106.7	9061.6	9665.1	10081.9	10707.4	11847.3	13225.0
-47.5°	2449.3	3123.4	4316.8	5625.0	7185.1	8506.0	9471.7	10187.7	10844.5	11917.1	13273.2
-50°	2195.4	2728.2	3467.9	4544.2	5971.3	7727.0	9160.6	10314.7	11281.4	12348.6	13737.4
-52.5°	1978.1	2387.0	3020.7	3740.4	4615.7	6213.9	8306.4	10142.6	11878.2	13448.8	15103.6
-55°	1778.9	2127.6	2628.9	3119.3	3702.3	4353.9	5942.2	8436.8	10701.8	13116.3	14911.5
-57.5°	1568.1	1839.3	2196.7	2551.5	2940.9	3269.1	3915.3	5106.5	7881.7	10486.4	12540.8
-60°	1373.1	1588.9	1834.0	2141.5	2384.8	2705.0	3016.1	3716.0	5171.2	7875.6	10487.2
-62.5°	1198.0	1376.0	1582.8	1822.6	2062.6	2304.3	2567.2	2957.6	3532.1	5293.1	7917.8
-65°	1038.6	1181.8	1359.5	1543.3	1771.7	1967.4	2203.0	2457.6	2781.6	3485.6	4865.8
-67.5°	885.0	1015.3	1153.3	1324.7	1500.1	1672.1	1866.2	2065.0	2296.6	2607.0	2987.6
-70°	740.1	851.3	971.1	1109.9	1239.4	1385.7	1537.6	1696.0	1884.4	2083.9	2312.2
-72.5°	594.8	695.1	797.7	905.5	1018.8	1121.8	1231.0	1362.7	1506.5	1663.8	1824.9
-75°	484.0	556.2	633.5	722.5	809.7	889.7	972.1	1068.7	1175.1	1287.8	1409.5
-77.5°	379.2	435.7	504.4	565.1	625.1	685.5	750.4	824.0	910.2	989.5	1087.4
-80°	297.1	341.7	386.5	429.7	484.2	530.4	579.3	632.9	698.3	757.5	829.0
-82.5°	218.3	255.0	279.8	314.2	353.3	392.7	433.4	471.2	514.9	556.6	598.9
-85°	143.4	176.5	194.5	218.4	244.1	269.6	294.2	316.4	351.7	385.5	423.7
-87.5°	71.4	90.8	101.4	117.3	135.6	146.2	153.7	168.8	197.7	226.3	257.9
-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: P902110 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NB

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°	75.4	78.7	81.8	85.3	89.7	92.5	95.0	100.7	103.0	108.1	110.6
85°	193.7	207.5	220.9	238.6	264.9	283.3	301.6	331.8	346.6	369.1	404.4
82.5°	442.5	474.1	503.5	535.8	584.9	641.7	716.5	814.6	850.0	904.2	1098.9
80°	813.3	883.1	952.7	1039.9	1157.7	1266.8	1389.1	1541.3	1644.6	1803.9	2323.5
77.5°	1405.6	1573.9	1753.0	1981.7	2190.4	2354.8	2522.3	2640.2	2739.0	2917.3	3327.2
75°	2377.1	2776.9	3222.9	3654.5	3930.0	4081.6	4633.5	5673.2	6268.6	6474.1	6526.5
72.5°	4981.3	8907.7	13798.2	17598.8	19275.4	20698.6	24425.5	28563.0	31850.4	33554.6	33568.1
70°	16909.2	28942.1	39492.8	47633.2	54443.5	59196.8	64544.2	69574.6	72683.4	73427.0	71667.2
67.5°	41062.9	51401.5	59695.8	66752.8	74029.6	82932.2	93674.7	104746.5	114687.2	123088.8	127784.6
65°	50090.3	62345.1	73336.6	84203.7	94092.9	105118.0	117817.8	130896.3	142570.1	149942.5	155085.1
62.5°	58322.1	73691.0	86888.7	97516.7	106621.2	116662.2	126966.9	136362.7	143029.9	146973.7	149521.6
60°	70597.3	85028.8	96500.6	105063.1	111685.1	117925.1	124028.3	128399.0	130388.6	130558.2	130289.4
57.5°	79766.1	91126.9	99298.6	104763.5	108315.6	110947.8	113354.3	114539.1	113664.4	112284.3	110761.1
55°	83829.1	91757.3	97195.2	99858.6	101483.1	102298.0	102189.5	101129.8	99573.1	98022.0	96218.1
52.5°	83127.6	89019.5	91704.2	93385.5	93409.1	92990.4	92174.4	89419.9	86267.7	84723.4	83106.7
50°	83316.6	87229.1	89777.4	89609.4	89551.9	88493.8	86175.9	83518.3	80829.5	78508.4	76837.2
47.5°	83022.2	86198.3	87130.9	86373.4	85349.5	83665.8	80322.6	77151.0	74753.1	72631.4	71048.5
45°	82510.2	84731.0	84447.6	83368.5	81500.4	79287.6	75560.4	72634.4	70477.1	68345.2	66801.3
42.5°	84214.4	85457.2	84929.6	83327.5	81612.1	78452.6	75025.6	72084.9	69794.7	67934.5	66548.7
40°	87090.6	87626.5	85962.4	83584.9	81526.3	77335.1	74190.6	70772.6	68548.0	66532.3	65104.2
37.5°	85367.7	84154.0	80823.7	78275.8	75176.4	70776.8	67684.5	64727.3	62599.7	60789.2	59346.7
35°	77702.1	74998.0	72030.7	69167.4	65399.7	62060.9	59160.4	56681.5	54662.2	53284.6	52128.7
32.5°	71520.9	68546.4	65513.7	62649.9	59242.2	55848.4	53138.7	50954.9	49210.0	47888.5	46914.9
30°	67251.2	64159.2	61103.5	58304.4	54762.0	51461.6	48888.0	46715.2	45005.1	43652.8	42725.3
27.5°	63334.9	60190.7	57404.1	54539.2	51081.1	47970.4	45444.1	43254.2	41456.8	39969.4	38970.8
25°	59785.2	56872.2	54396.0	51620.4	48183.1	45254.4	42748.6	40462.1	38595.3	37030.1	35883.2
22.5°	57117.9	54402.7	52069.8	49325.1	46006.7	43216.1	40673.9	38389.9	36457.7	34819.0	33564.4
20°	54932.6	52408.0	50344.0	47594.1	44362.3	41671.1	39180.8	36887.0	34899.3	33224.3	31893.0
17.5°	52909.9	50668.8	48779.8	46135.2	42922.5	40383.7	37857.4	35582.7	33584.5	31889.1	30548.7
15°	50782.5	48742.0	46936.4	44347.2	41419.5	38933.1	36518.8	34275.7	32302.3	30667.6	29331.2
12.5°	48144.1	46287.3	44737.6	42317.8	39540.0	37232.1	34979.0	32841.2	31023.2	29462.5	28212.3
10°	44928.3	43260.2	41897.4	39765.7	37356.4	35290.7	33255.1	31417.2	29777.2	28418.9	27310.5
7.5°	41307.5	39915.4	38762.3	36969.5	34901.2	33283.8	31632.8	30124.4	28767.8	27555.5	26622.3
5°	37360.4	36270.2	35469.7	34186.2	32482.6	31224.9	30027.2	28832.3	27774.9	26839.4	26177.8
2.5°	33262.6	32512.6	32118.1	31320.6	30088.3	29239.1	28432.6	27617.6	26915.7	26301.4	25919.0
0°	29188.7	28824.6	28851.9	28483.3	27741.5	27313.7	26922.4	26540.1	26185.2	25898.5	25775.6
-2.5°	25609.5	25512.8	25758.1	25829.1	25509.9	25538.8	25540.4	25515.9	25508.6	25481.3	25582.8
-5°	22531.6	22675.1	23061.8	23472.4	23542.3	23916.2	24311.3	24612.0	24816.9	24978.4	25161.9
-7.5°	20100.4	20443.9	20884.0	21532.2	21918.0	22528.0	23144.8	23606.7	23996.0	24246.4	24458.1
-10°	18388.8	18764.7	19257.0	19998.5	20623.3	21354.7	21991.8	22495.8	22972.2	23272.7	23470.1
-12.5°	17245.7	17680.5	18090.6	18844.7	19528.8	20301.9	20891.0	21369.2	21794.1	22137.8	22341.3
-15°	16578.4	17009.3	17390.2	18057.4	18742.4	19439.6	20025.5	20449.5	20791.1	21087.6	21293.5
-17.5°	16189.2	16544.3	16860.5	17506.8	18169.8	18786.0	19352.6	19740.0	19999.2	20280.7	20518.9
-20°	16148.8	16524.1	16934.2	17513.7	18190.1	18753.0	19269.3	19510.2	19792.1	20101.3	20206.0



REPORT NUMBER: P902110 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NB

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	15609.2	16075.8	16626.6	17296.9	18117.2	18792.0	19418.1	19631.9	20101.0	20307.5	20752.1
-25°	14519.3	15004.2	15626.0	16255.5	17026.4	17644.6	18191.5	18606.0	19161.2	19260.9	20006.8
-27.5°	14090.7	14608.1	15207.9	15810.7	16538.2	17093.4	17707.8	18240.9	18621.4	18975.2	19356.4
-30°	13789.8	14408.1	15055.9	15713.4	16438.8	17069.6	17724.6	18378.7	18826.3	19201.6	19606.2
-32.5°	13595.5	14334.7	15089.0	15799.8	16531.0	17294.7	17977.8	18748.3	19333.4	19776.3	20201.4
-35°	13466.6	14344.9	15204.5	15952.9	16715.0	17616.8	18289.4	19207.9	19880.1	20468.7	20983.0
-37.5°	13530.3	14543.5	15492.6	16309.0	17158.7	18085.0	18870.4	19687.9	20500.0	21106.3	21612.1
-40°	13690.8	14840.6	15901.1	16882.2	17726.8	18707.0	19594.1	20249.0	20993.6	21639.1	22113.5
-42.5°	14257.7	15623.7	16639.8	17797.4	18518.2	19365.2	20269.5	20744.3	21296.9	21860.6	22189.3
-45°	14789.2	16292.8	17788.0	18751.3	19629.0	19979.6	20574.0	20893.8	21131.8	21420.5	21654.2
-47.5°	14962.5	16575.4	18029.4	19087.0	19778.2	20013.0	20295.8	20568.7	20522.3	20668.7	20847.0
-50°	15228.8	16828.0	18077.7	18969.3	19460.5	19564.9	19646.8	19780.3	19670.3	19460.3	19280.7
-52.5°	16711.5	18225.8	19176.5	20078.5	20172.5	20350.0	19898.5	19060.8	18195.5	16799.5	15681.4
-55°	17359.9	18186.5	19741.1	19518.0	19447.2	19300.5	16586.8	14955.4	13847.1	12799.1	12246.3
-57.5°	13792.9	15112.2	14888.4	14335.3	12855.1	10504.6	9209.7	8527.4	8022.8	7892.4	7863.6
-60°	12208.2	12606.2	11869.9	10151.6	8485.6	7301.9	6788.5	6788.7	6898.1	6993.1	7092.3
-62.5°	9593.1	9736.6	8765.8	7154.1	6172.6	5867.6	5906.7	6024.7	6115.3	6218.5	6339.7
-65°	6004.2	6123.5	5585.6	4928.8	4843.0	4957.7	5117.3	5228.9	5364.3	5487.1	5621.1
-67.5°	3514.1	3751.8	3788.2	3849.4	3994.0	4196.0	4378.9	4533.2	4715.0	4912.4	5064.0
-70°	2563.2	2765.6	2956.8	3142.4	3346.6	3535.7	3722.8	3905.2	4088.1	4280.7	4439.5
-72.5°	2003.0	2200.0	2393.0	2571.1	2755.5	2917.2	3062.0	3219.0	3390.5	3566.1	3771.3
-75°	1559.6	1734.0	1918.5	2075.9	2196.4	2295.0	2422.1	2562.0	2740.4	2925.7	3159.6
-77.5°	1197.8	1340.7	1502.7	1619.3	1698.6	1758.2	1831.0	1925.5	2077.2	2242.1	2417.1
-80°	909.3	1008.3	1125.0	1211.8	1264.7	1307.0	1360.8	1444.0	1538.9	1642.4	1745.3
-82.5°	651.7	721.5	807.8	862.0	894.0	923.0	977.5	1031.6	1095.3	1153.6	1216.6
-85°	479.2	523.7	577.3	626.1	648.6	671.1	706.2	737.1	765.1	786.1	820.2
-87.5°	277.6	299.3	328.8	360.6	379.6	399.7	411.7	440.0	466.1	490.1	518.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902110 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NB

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°	113.3	110.6	104.4	109.2	104.4	110.6	113.3	110.6	108.1	103.0	100.7
85°	463.6	486.8	475.0	473.3	475.0	486.8	463.6	404.4	369.1	346.6	331.8
82.5°	1196.9	1328.7	1315.6	1260.5	1315.6	1328.7	1196.9	1098.9	904.2	850.0	814.6
80°	2219.4	2156.7	2230.8	2239.0	2230.8	2156.7	2219.4	2323.5	1803.9	1644.6	1541.3
77.5°	3444.3	3627.5	3789.0	3813.6	3789.0	3627.5	3444.3	3327.2	2917.3	2739.0	2640.2
75°	6585.6	6899.1	6956.9	6962.7	6956.9	6899.1	6585.6	6526.5	6474.1	6268.6	5673.2
72.5°	32605.8	31639.7	30628.2	30303.6	30628.2	31639.7	32605.8	33568.1	33554.6	31850.4	28563.0
70°	68629.6	65849.9	64183.2	63656.2	64183.2	65849.9	68629.6	71667.2	73427.0	72683.4	69574.6
67.5°	129331.9	129202.0	129513.5	130152.1	129513.5	129202.0	129331.9	127784.6	123088.8	114687.2	104746.5
65°	158362.5	160009.9	161402.4	162207.7	161402.4	160009.9	158362.5	155085.1	149942.5	142570.1	130896.3
62.5°	150771.2	151154.1	151583.2	151832.0	151583.2	151154.1	150771.2	149521.6	146973.7	143029.9	136362.7
60°	129658.4	128893.4	128609.0	128532.0	128609.0	128893.4	129658.4	130289.4	130558.2	130388.6	128399.0
57.5°	109548.7	108576.0	108244.1	108208.3	108244.1	108576.0	109548.7	110761.1	112284.3	113664.4	114539.1
55°	94744.9	93463.6	92809.1	92644.7	92809.1	93463.6	94744.9	96218.1	98022.0	99573.1	101129.8
52.5°	82030.8	81047.3	80575.9	80603.3	80575.9	81047.3	82030.8	83106.7	84723.4	86267.7	89419.9
50°	76000.5	75360.4	74974.4	75160.5	74974.4	75360.4	76000.5	76837.2	78508.4	80829.5	83518.3
47.5°	70161.4	69684.7	69430.5	69558.6	69430.5	69684.7	70161.4	71048.5	72631.4	74753.1	77151.0
45°	66313.5	66098.0	65931.3	65968.0	65931.3	66098.0	66313.5	66801.3	68345.2	70477.1	72634.4
42.5°	65876.4	65486.5	65305.2	65244.5	65305.2	65486.5	65876.4	66548.7	67934.5	69794.7	72084.9
40°	64489.2	64248.9	64270.6	64056.7	64270.6	64248.9	64489.2	65104.2	66532.3	68548.0	70772.6
37.5°	58813.4	58627.5	58585.5	58577.5	58585.5	58627.5	58813.4	59346.7	60789.2	62599.7	64727.3
35°	51734.5	51494.0	51271.0	51205.3	51271.0	51494.0	51734.5	52128.7	53284.6	54662.2	56681.5
32.5°	46491.7	46115.6	45922.8	45812.6	45922.8	46115.6	46491.7	46914.9	47888.5	49210.0	50954.9
30°	42171.2	41632.7	41330.5	41175.4	41330.5	41632.7	42171.2	42725.3	43652.8	45005.1	46715.2
27.5°	38325.0	37668.7	37313.9	37202.5	37313.9	37668.7	38325.0	38970.8	39969.4	41456.8	43254.2
25°	35099.3	34463.2	33985.8	33830.4	33985.8	34463.2	35099.3	35883.2	37030.1	38595.3	40462.1
22.5°	32749.5	32064.3	31544.8	31304.7	31544.8	32064.3	32749.5	33564.4	34819.0	36457.7	38389.9
20°	31006.0	30321.2	29857.9	29671.0	29857.9	30321.2	31006.0	31893.0	33224.3	34899.3	36887.0
17.5°	29634.0	28944.0	28544.2	28478.8	28544.2	28944.0	29634.0	30548.7	31889.1	33584.5	35582.7
15°	28415.2	27752.2	27433.7	27468.5	27433.7	27752.2	28415.2	29331.2	30667.6	32302.3	34275.7
12.5°	27332.7	26698.4	26500.5	26608.4	26500.5	26698.4	27332.7	28212.3	29462.5	31023.2	32841.2
10°	26513.1	25998.7	25838.9	25866.6	25838.9	25998.7	26513.1	27310.5	28418.9	29777.2	31417.2
7.5°	25999.6	25630.7	25434.3	25297.8	25434.3	25630.7	25999.6	26622.3	27555.5	28767.8	30124.4
5°	25798.8	25539.0	25269.6	25129.4	25269.6	25539.0	25798.8	26177.8	26839.4	27774.9	28832.3
2.5°	25801.7	25634.1	25366.1	25261.4	25366.1	25634.1	25801.7	25919.0	26301.4	26915.7	27617.6
0°	25825.6	25675.4	25511.6	25484.3	25511.6	25675.4	25825.6	25775.6	25898.5	26185.2	26540.1
-2.5°	25687.8	25605.7	25515.1	25529.8	25515.1	25605.7	25687.8	25582.8	25481.3	25508.6	25515.9
-5°	25294.1	25241.5	25229.0	25284.1	25229.0	25241.5	25294.1	25161.9	24978.4	24816.9	24612.0
-7.5°	24564.1	24553.0	24640.9	24683.4	24640.9	24553.0	24564.1	24458.1	24246.4	23996.0	23606.7
-10°	23549.7	23561.4	23637.8	23664.0	23637.8	23561.4	23549.7	23470.1	23272.7	22972.2	22495.8
-12.5°	22440.2	22453.4	22513.6	22503.5	22513.6	22453.4	22440.2	22341.3	22137.8	21794.1	21369.2
-15°	21445.3	21475.2	21540.4	21525.2	21540.4	21475.2	21445.3	21293.5	21087.6	20791.1	20449.5
-17.5°	20679.6	20732.7	20798.3	20819.8	20798.3	20732.7	20679.6	20518.9	20280.7	19999.2	19740.0
-20°	20527.9	20506.8	20457.9	20478.5	20457.9	20506.8	20527.9	20206.0	20101.3	19792.1	19510.2



REPORT NUMBER: P902110 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NB

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	20822.5	21110.9	21246.1	21302.2	21246.1	21110.9	20822.5	20752.1	20307.5	20101.0	19631.9
-25°	19962.3	20210.6	20564.7	20715.1	20564.7	20210.6	19962.3	20006.8	19260.9	19161.2	18606.0
-27.5°	19667.3	19880.4	20059.1	20141.7	20059.1	19880.4	19667.3	19356.4	18975.2	18621.4	18240.9
-30°	19982.4	20250.8	20451.3	20514.9	20451.3	20250.8	19982.4	19606.2	19201.6	18826.3	18378.7
-32.5°	20647.4	20996.4	21229.1	21320.4	21229.1	20996.4	20647.4	20201.4	19776.3	19333.4	18748.3
-35°	21414.9	21764.2	22021.5	22116.7	22021.5	21764.2	21414.9	20983.0	20468.7	19880.1	19207.9
-37.5°	22102.5	22434.0	22645.0	22722.0	22645.0	22434.0	22102.5	21612.1	21106.3	20500.0	19687.9
-40°	22529.5	22862.8	23073.0	23154.3	23073.0	22862.8	22529.5	22113.5	21639.1	20993.6	20249.0
-42.5°	22532.7	22841.2	23027.9	23149.7	23027.9	22841.2	22532.7	22189.3	21860.6	21296.9	20744.3
-45°	21921.1	22168.9	22330.0	22417.1	22330.0	22168.9	21921.1	21654.2	21420.5	21131.8	20893.8
-47.5°	21109.6	21223.9	21362.7	21411.4	21362.7	21223.9	21109.6	20847.0	20668.7	20522.3	20568.7
-50°	19328.9	19492.3	19587.6	19586.5	19587.6	19492.3	19328.9	19280.7	19460.3	19670.3	19780.3
-52.5°	14852.4	14281.3	13878.3	13697.9	13878.3	14281.3	14852.4	15681.4	16799.5	18195.5	19060.8
-55°	11979.9	11888.9	11915.0	11995.8	11915.0	11888.9	11979.9	12246.3	12799.1	13847.1	14955.4
-57.5°	8257.2	8565.2	8735.9	8792.1	8735.9	8565.2	8257.2	7863.6	7892.4	8022.8	8527.4
-60°	7186.5	7272.7	7358.8	7390.5	7358.8	7272.7	7186.5	7092.3	6993.1	6898.1	6788.7
-62.5°	6441.5	6530.1	6608.5	6639.5	6608.5	6530.1	6441.5	6339.7	6218.5	6115.3	6024.7
-65°	5779.4	5902.9	5968.9	5988.8	5968.9	5902.9	5779.4	5621.1	5487.1	5364.3	5228.9
-67.5°	5177.3	5317.1	5404.4	5420.0	5404.4	5317.1	5177.3	5064.0	4912.4	4715.0	4533.2
-70°	4640.5	4773.4	4800.6	4805.6	4800.6	4773.4	4640.5	4439.5	4280.7	4088.1	3905.2
-72.5°	3989.9	4123.3	4178.5	4182.1	4178.5	4123.3	3989.9	3771.3	3566.1	3390.5	3219.0
-75°	3395.6	3487.0	3493.3	3467.7	3493.3	3487.0	3395.6	3159.6	2925.7	2740.4	2562.0
-77.5°	2613.5	2673.9	2653.4	2630.3	2653.4	2673.9	2613.5	2417.1	2242.1	2077.2	1925.5
-80°	1884.7	1937.1	1927.4	1929.5	1927.4	1937.1	1884.7	1745.3	1642.4	1538.9	1444.0
-82.5°	1292.6	1325.9	1322.2	1319.7	1322.2	1325.9	1292.6	1216.6	1153.6	1095.3	1031.6
-85°	849.2	871.9	867.0	864.7	867.0	871.9	849.2	820.2	786.1	765.1	737.1
-87.5°	526.9	542.3	547.1	546.1	547.1	542.3	526.9	518.1	490.1	466.1	440.0
-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: P902110 (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°	95.0	92.5	89.7	85.3	81.8	78.7	75.4	72.2	69.7	67.1	64.3
85°	301.6	283.3	264.9	238.6	220.9	207.5	193.7	194.6	188.5	164.8	156.5
82.5°	716.5	641.7	584.9	535.8	503.5	474.1	442.5	412.5	389.9	362.2	335.3
80°	1389.1	1266.8	1157.7	1039.9	952.7	883.1	813.3	750.4	700.4	640.7	591.2
77.5°	2522.3	2354.8	2190.4	1981.7	1753.0	1573.9	1405.6	1242.7	1124.2	1021.6	927.7
75°	4633.5	4081.6	3930.0	3654.5	3222.9	2776.9	2377.1	2049.0	1796.7	1565.6	1366.5
72.5°	24425.5	20698.6	19275.4	17598.8	13798.2	8907.7	4981.3	3302.2	2811.7	2362.8	1954.0
70°	64544.2	59196.8	54443.5	47633.2	39492.8	28942.1	16909.2	8770.4	5734.4	3993.8	2840.2
67.5°	93674.7	82932.2	74029.6	66752.8	59695.8	51401.5	41062.9	27377.5	15139.8	7775.0	4744.6
65°	117817.8	105118.0	94092.9	84203.7	73336.6	62345.1	50090.3	36912.3	25021.7	14284.0	7495.3
62.5°	126966.9	116662.2	106621.2	97516.7	86888.7	73691.0	58322.1	43506.4	31362.8	21737.0	12184.6
60°	124028.3	117925.1	111685.1	105063.1	96500.6	85028.8	70597.3	53163.0	36787.3	25493.5	16888.6
57.5°	113354.3	110947.8	108315.6	104763.5	99298.6	91126.9	79766.1	62804.6	44413.5	30110.1	21455.3
55°	102189.5	102298.0	101483.1	99858.6	97195.2	91757.3	83829.1	69593.1	52538.6	35729.3	24221.6
52.5°	92174.4	92990.4	93409.1	93385.5	91704.2	89019.5	83127.6	72876.5	58265.9	41109.9	27755.0
50°	86175.9	88493.8	89551.9	89609.4	89777.4	87229.1	83316.6	74997.7	62736.7	46387.6	31798.0
47.5°	80322.6	83665.8	85349.5	86373.4	87130.9	86198.3	83022.2	76993.7	66400.3	51952.3	36587.8
45°	75560.4	79287.6	81500.4	83368.5	84447.6	84731.0	82510.2	77893.6	69288.5	56476.9	40912.5
42.5°	75025.6	78452.6	81612.1	83327.5	84929.6	85457.2	84214.4	80328.2	72792.6	61540.6	46641.0
40°	74190.6	77335.1	81526.3	83584.9	85962.4	87626.5	87090.6	84649.5	78705.8	67887.9	53331.5
37.5°	67684.5	70776.8	75176.4	78275.8	80823.7	84154.0	85367.7	84283.4	80375.0	72690.8	59882.4
35°	59160.4	62060.9	65399.7	69167.4	72030.7	74998.0	77702.1	78807.6	76941.2	71334.7	61507.8
32.5°	53138.7	55848.4	59242.2	62649.9	65513.7	68546.4	71520.9	73061.9	72531.0	68717.0	61225.9
30°	48888.0	51461.6	54762.0	58304.4	61103.5	64159.2	67251.2	69280.7	69696.2	67238.2	61151.0
27.5°	45444.1	47970.4	51081.1	54539.2	57404.1	60190.7	63334.9	65707.2	66711.1	65253.0	60541.2
25°	42748.6	45254.4	48183.1	51620.4	54396.0	56872.2	59785.2	62339.5	63802.6	63076.0	59604.9
22.5°	40673.9	43216.1	46006.7	49325.1	52069.8	54402.7	57117.9	59505.1	61004.5	60619.5	57901.9
20°	39180.8	41671.1	44362.3	47594.1	50344.0	52408.0	54932.6	57186.8	58788.4	58671.6	56352.9
17.5°	37857.4	40383.7	42922.5	46135.2	48779.8	50668.8	52909.9	55045.0	56461.0	56404.1	54569.5
15°	36518.8	38933.1	41419.5	44347.2	46936.4	48742.0	50782.5	52754.0	53983.3	53987.0	52441.7
12.5°	34979.0	37232.1	39540.0	42317.8	44737.6	46287.3	48144.1	49907.0	51055.7	51255.1	50060.4
10°	33255.1	35290.7	37356.4	39765.7	41897.4	43260.2	44928.3	46571.5	47618.0	47870.0	47245.8
7.5°	31632.8	33283.8	34901.2	36969.5	38762.3	39915.4	41307.5	42764.0	43692.0	44041.8	43775.0
5°	30027.2	31224.9	32482.6	34186.2	35469.7	36270.2	37360.4	38515.5	39344.7	39862.2	39937.4
2.5°	28432.6	29239.1	30088.3	31320.6	32118.1	32512.6	33262.6	34136.0	34849.3	35468.0	35821.6
0°	26922.4	27313.7	27741.5	28483.3	28851.9	28824.6	29188.7	29798.5	30399.2	31059.0	31673.4
-2.5°	25540.4	25538.8	25509.9	25829.1	25758.1	25512.8	25609.5	25974.2	26386.8	27042.3	27742.8
-5°	24311.3	23916.2	23542.3	23472.4	23061.8	22675.1	22531.6	22709.5	23014.8	23561.1	24247.6
-7.5°	23144.8	22528.0	21918.0	21532.2	20884.0	20443.9	20100.4	20056.3	20248.7	20711.8	21271.7
-10°	21991.8	21354.7	20623.3	19998.5	19257.0	18764.7	18388.8	18147.9	18172.3	18451.9	18839.5
-12.5°	20891.0	20301.9	19528.8	18844.7	18090.6	17680.5	17245.7	16858.3	16678.2	16787.4	16939.5
-15°	20025.5	19439.6	18742.4	18057.4	17390.2	17009.3	16578.4	16006.7	15608.2	15528.8	15495.2
-17.5°	19352.6	18786.0	18169.8	17506.8	16860.5	16544.3	16189.2	15528.6	14908.3	14718.6	14648.0
-20°	19269.3	18753.0	18190.1	17513.7	16934.2	16524.1	16148.8	15484.9	14677.8	14328.6	14057.5



REPORT NUMBER: P902110 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NB

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	19418.1	18792.0	18117.2	17296.9	16626.6	16075.8	15609.2	14908.4	13973.0	13420.1	13058.3
-25°	18191.5	17644.6	17026.4	16255.5	15626.0	15004.2	14519.3	14014.2	13107.8	12482.8	12052.1
-27.5°	17707.8	17093.4	16538.2	15810.7	15207.9	14608.1	14090.7	13519.4	12694.4	12117.6	11577.7
-30°	17724.6	17069.6	16438.8	15713.4	15055.9	14408.1	13789.8	13182.0	12385.2	11822.6	11236.6
-32.5°	17977.8	17294.7	16531.0	15799.8	15089.0	14334.7	13595.5	12923.6	12174.4	11534.0	10881.1
-35°	18289.4	17616.8	16715.0	15952.9	15204.5	14344.9	13466.6	12640.0	11914.4	11215.9	10525.8
-37.5°	18870.4	18085.0	17158.7	16309.0	15492.6	14543.5	13530.3	12601.8	11790.0	10976.7	10208.1
-40°	19594.1	18707.0	17726.8	16882.2	15901.1	14840.6	13690.8	12642.4	11709.4	10771.2	10080.7
-42.5°	20269.5	19365.2	18518.2	17797.4	16639.8	15623.7	14257.7	13072.7	11863.9	10764.7	10060.4
-45°	20574.0	19979.6	19629.0	18751.3	17788.0	16292.8	14789.2	13225.0	11847.3	10707.4	10081.9
-47.5°	20295.8	20013.0	19778.2	19087.0	18029.4	16575.4	14962.5	13273.2	11917.1	10844.5	10187.7
-50°	19646.8	19564.9	19460.5	18969.3	18077.7	16828.0	15228.8	13737.4	12348.6	11281.4	10314.7
-52.5°	19898.5	20350.0	20172.5	20078.5	19176.5	18225.8	16711.5	15103.6	13448.8	11878.2	10142.6
-55°	16586.8	19300.5	19447.2	19518.0	19741.1	18186.5	17359.9	14911.5	13116.3	10701.8	8436.8
-57.5°	9209.7	10504.6	12855.1	14335.3	14888.4	15112.2	13792.9	12540.8	10486.4	7881.7	5106.5
-60°	6788.5	7301.9	8485.6	10151.6	11869.9	12606.2	12208.2	10487.2	7875.6	5171.2	3716.0
-62.5°	5906.7	5867.6	6172.6	7154.1	8765.8	9736.6	9593.1	7917.8	5293.1	3532.1	2957.6
-65°	5117.3	4957.7	4843.0	4928.8	5585.6	6123.5	6004.2	4865.8	3485.6	2781.6	2457.6
-67.5°	4378.9	4196.0	3994.0	3849.4	3788.2	3751.8	3514.1	2987.6	2607.0	2296.6	2065.0
-70°	3722.8	3535.7	3346.6	3142.4	2956.8	2765.6	2563.2	2312.2	2083.9	1884.4	1696.0
-72.5°	3062.0	2917.2	2755.5	2571.1	2393.0	2200.0	2003.0	1824.9	1663.8	1506.5	1362.7
-75°	2422.1	2295.0	2196.4	2075.9	1918.5	1734.0	1559.6	1409.5	1287.8	1175.1	1068.7
-77.5°	1831.0	1758.2	1698.6	1619.3	1502.7	1340.7	1197.8	1087.4	989.5	910.2	824.0
-80°	1360.8	1307.0	1264.7	1211.8	1125.0	1008.3	909.3	829.0	757.5	698.3	632.9
-82.5°	977.5	923.0	894.0	862.0	807.8	721.5	651.7	598.9	556.6	514.9	471.2
-85°	706.2	671.1	648.6	626.1	577.3	523.7	479.2	423.7	385.5	351.7	316.4
-87.5°	411.7	399.7	379.6	360.6	328.8	299.3	277.6	257.9	226.3	197.7	168.8
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902110 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	61.3	43.9	41.5	39.1	36.7	34.1	31.5	28.8	26.2	31.1	27.4
85°	147.7	131.8	120.9	110.0	103.2	90.8	76.3	61.7	52.7	62.2	54.7
82.5°	307.3	278.2	248.0	217.9	199.3	181.1	157.1	128.6	110.3	103.3	86.4
80°	538.3	481.9	429.2	385.4	347.1	307.1	261.7	206.5	170.1	149.5	126.6
77.5°	830.3	727.7	661.8	595.8	530.4	455.9	388.9	328.1	265.7	208.4	166.1
75°	1192.0	1058.2	951.1	846.0	749.4	671.3	573.4	461.8	369.3	297.4	226.4
72.5°	1648.4	1447.2	1282.1	1139.9	1019.3	899.9	771.4	629.7	496.5	384.0	298.2
70°	2270.0	1885.1	1641.6	1451.1	1285.0	1135.1	982.8	800.7	633.1	493.4	369.0
67.5°	3227.4	2373.5	2043.9	1789.9	1543.4	1370.0	1192.7	987.9	775.7	602.3	456.0
65°	4543.5	2982.6	2446.6	2161.2	1841.9	1604.0	1397.3	1173.2	921.2	713.7	542.3
62.5°	6368.9	4095.0	2935.5	2505.5	2130.4	1841.4	1603.0	1362.3	1061.1	831.8	624.8
60°	9194.2	5476.2	3600.2	2876.5	2412.1	2093.2	1824.5	1543.3	1220.6	945.7	720.4
57.5°	13658.3	7271.0	4691.7	3245.8	2725.8	2365.2	2056.9	1751.7	1378.3	1078.9	812.4
55°	17392.9	10754.2	6139.0	4080.7	3034.2	2647.5	2303.9	1972.8	1565.7	1212.7	901.5
52.5°	20356.2	14214.4	7875.8	4951.3	3556.3	2928.5	2550.3	2182.2	1739.6	1341.2	1010.3
50°	22139.9	17430.3	11347.1	5917.1	4061.3	3253.5	2795.4	2368.3	1895.7	1484.1	1115.5
47.5°	25348.3	19071.1	14748.9	8534.4	4917.9	3556.0	3037.0	2561.1	2064.5	1620.6	1213.9
45°	28310.7	20746.8	16261.8	11448.7	6218.2	4137.6	3305.6	2768.2	2227.4	1753.5	1318.1
42.5°	31759.0	22399.5	17623.3	13270.8	8294.8	4729.0	3554.9	2981.3	2392.5	1891.3	1431.8
40°	37865.6	25871.1	19175.1	15429.9	10193.5	5871.2	3976.2	3162.9	2549.4	2019.3	1537.1
37.5°	43699.5	30107.9	21770.0	16885.0	12371.6	7314.8	4385.8	3339.0	2696.5	2137.0	1633.1
35°	47345.8	33486.2	23473.0	17744.9	14146.0	8633.5	4965.6	3562.1	2839.6	2245.1	1722.1
32.5°	49066.4	35779.9	25297.9	18566.6	14301.7	9991.3	5953.8	3847.7	2977.6	2347.5	1799.4
30°	50875.4	37878.6	27152.3	19474.8	14383.6	11069.8	6822.5	4111.4	3106.1	2437.5	1864.6
27.5°	51843.1	40237.1	29442.2	21151.0	15102.8	11570.5	7630.2	4386.4	3230.7	2514.6	1920.2
25°	52528.3	42056.3	31611.2	22930.9	15995.2	11696.6	8265.0	5107.1	3422.5	2585.2	1966.3
22.5°	52053.5	43138.2	33402.6	24546.3	16608.6	11760.3	8739.6	5747.0	3651.1	2669.4	2017.5
20°	51409.2	43682.8	34792.2	25936.2	17434.0	11906.7	8976.7	6293.6	3883.9	2748.8	2069.6
17.5°	50571.7	43824.0	35761.0	27041.1	18382.6	12316.2	9177.4	6732.5	4090.1	2820.0	2113.8
15°	49056.2	43410.9	36369.6	27888.5	19021.3	12595.0	9305.4	7011.6	4233.8	2876.9	2153.6
12.5°	47332.6	42705.2	36331.0	28321.5	19337.9	12708.8	9419.7	7134.6	4344.4	2933.3	2189.8
10°	45206.2	41555.4	35919.0	28252.4	19352.5	12759.3	9466.1	7203.7	4448.2	2989.1	2217.7
7.5°	42556.0	39882.8	34967.1	27780.3	19181.4	12694.4	9495.7	7218.6	4519.4	3033.9	2237.6
5°	39362.1	37681.2	33478.6	26803.5	18719.0	12529.3	9477.5	7197.6	4546.7	3057.6	2251.7
2.5°	35833.5	34959.4	31435.6	25376.1	17981.1	12299.1	9447.8	7157.6	4536.1	3064.6	2256.7
0°	32096.6	31782.6	28829.1	23509.3	17001.7	11995.8	9370.1	7071.9	4473.4	3058.1	2252.6
-2.5°	28376.3	28231.9	25743.0	21304.3	15875.0	11645.8	9338.5	6970.3	4395.0	3051.4	2247.3
-5°	24905.2	24683.7	22650.9	19091.1	14716.3	11281.2	9258.3	6809.2	4274.4	3031.4	2232.9
-7.5°	21817.2	21432.4	19783.1	16993.3	13620.6	10964.6	9150.9	6670.7	4165.3	2998.1	2209.0
-10°	19107.8	18664.1	17316.1	15298.4	12764.3	10703.1	9012.8	6485.1	4054.4	2951.5	2179.4
-12.5°	16999.4	16460.1	15489.6	13937.6	12085.8	10503.7	8907.7	6310.8	3935.7	2891.9	2142.6
-15°	15472.1	14908.7	14152.5	12898.7	11592.9	10487.4	8792.4	6115.0	3854.3	2818.7	2098.5
-17.5°	14484.8	13946.5	13212.9	12348.8	11314.0	10592.5	8718.1	5846.3	3743.0	2731.0	2040.8
-20°	13716.8	13053.5	12477.5	11659.3	11117.5	10314.0	8397.1	5478.2	3591.4	2629.6	1969.1



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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°	12481.7	11962.7	11443.5	10766.9	10553.9	9685.9	7671.8	5062.7	3409.1	2512.9	1888.2
-25°	11547.2	11062.2	10582.1	10285.5	10046.2	9175.7	6969.3	4617.7	3205.0	2380.3	1810.3
-27.5°	11039.4	10550.8	10174.5	10043.9	9938.5	8749.3	6421.0	4142.6	3003.2	2270.6	1746.1
-30°	10680.2	10193.9	9950.9	10018.7	9772.8	8234.7	5904.4	3889.7	2836.2	2169.5	1675.1
-32.5°	10285.5	9894.8	9811.0	9861.5	9226.7	7543.6	5324.5	3603.4	2662.1	2067.7	1597.3
-35°	9921.2	9638.1	9691.9	9716.3	8709.9	6800.8	4682.6	3259.2	2472.5	1956.7	1514.9
-37.5°	9715.3	9632.8	9650.9	9182.5	7916.3	6054.8	4180.8	2976.5	2300.7	1847.8	1433.8
-40°	9688.2	9619.6	9505.9	8634.6	7104.1	5305.3	3729.0	2734.8	2154.1	1742.7	1350.6
-42.5°	9730.8	9534.9	8870.6	7717.6	6202.0	4566.3	3235.4	2470.9	2003.2	1634.0	1261.1
-45°	9665.1	9061.6	8106.7	6774.0	5236.9	3828.2	2863.2	2245.9	1853.9	1522.0	1164.8
-47.5°	9471.7	8506.0	7185.1	5625.0	4316.8	3123.4	2449.3	2035.9	1717.0	1398.1	1067.8
-50°	9160.6	7727.0	5971.3	4544.2	3467.9	2728.2	2195.4	1836.4	1574.1	1268.3	977.2
-52.5°	8306.4	6213.9	4615.7	3740.4	3020.7	2387.0	1978.1	1677.1	1427.5	1139.0	883.7
-55°	5942.2	4353.9	3702.3	3119.3	2628.9	2127.6	1778.9	1513.0	1282.6	1028.6	788.4
-57.5°	3915.3	3269.1	2940.9	2551.5	2196.7	1839.3	1568.1	1351.8	1139.1	912.1	698.3
-60°	3016.1	2705.0	2384.8	2141.5	1834.0	1588.9	1373.1	1185.7	996.7	793.1	605.5
-62.5°	2567.2	2304.3	2062.6	1822.6	1582.8	1376.0	1198.0	1033.3	851.2	685.6	511.6
-65°	2203.0	1967.4	1771.7	1543.3	1359.5	1181.8	1038.6	888.4	735.9	579.9	451.6
-67.5°	1866.2	1672.1	1500.1	1324.7	1153.3	1015.3	885.0	756.3	625.2	494.2	390.2
-70°	1537.6	1385.7	1239.4	1109.9	971.1	851.3	740.1	627.5	521.9	416.8	329.4
-72.5°	1231.0	1121.8	1018.8	905.5	797.7	695.1	594.8	516.1	426.0	337.6	278.6
-75°	972.1	889.7	809.7	722.5	633.5	556.2	484.0	413.3	341.4	277.9	227.1
-77.5°	750.4	685.5	625.1	565.1	504.4	435.7	379.2	333.1	280.4	217.4	182.7
-80°	579.3	530.4	484.2	429.7	386.5	341.7	297.1	259.5	220.4	172.8	151.4
-82.5°	433.4	392.7	353.3	314.2	279.8	255.0	218.3	188.1	163.1	134.6	119.5
-85°	294.2	269.6	244.1	218.4	194.5	176.5	143.4	116.8	104.4	93.3	81.8
-87.5°	153.7	146.2	135.6	117.3	101.4	90.8	71.4	57.7	52.2	46.7	41.0
-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):

	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°	23.5	19.7	15.8	11.9	7.9	4.0	0.0
85°	47.0	39.3	31.6	23.7	15.8	7.9	0.0
82.5°	70.5	58.9	47.3	35.5	23.7	11.9	0.0
80°	101.4	79.8	62.9	47.3	31.6	15.8	0.0
77.5°	132.7	104.0	79.8	58.9	39.3	19.7	0.0
75°	163.3	127.9	98.9	70.5	47.0	23.5	0.0
72.5°	216.1	151.6	117.7	83.5	54.7	27.4	0.0
70°	275.4	185.9	136.1	96.5	62.2	31.1	0.0
67.5°	332.9	230.9	154.2	109.1	69.6	34.8	0.0
65°	395.0	274.1	178.9	121.2	76.8	38.4	0.0
62.5°	462.5	315.3	208.9	132.8	84.0	42.0	0.0
60°	527.6	359.8	237.6	143.9	90.9	45.5	0.0
57.5°	590.1	408.8	264.9	155.0	97.7	48.9	0.0
55°	665.1	455.2	290.7	173.7	104.3	52.2	0.0
52.5°	736.3	499.2	317.7	191.8	110.7	55.4	0.0
50°	804.3	544.5	354.5	209.2	116.9	58.5	0.0
47.5°	871.9	602.9	390.3	225.9	122.9	61.5	0.0
45°	953.8	659.1	424.2	241.8	128.6	64.3	0.0
42.5°	1032.7	712.8	456.0	257.0	134.1	67.1	0.0
40°	1107.7	764.0	485.5	271.5	139.3	69.7	0.0
37.5°	1174.7	812.5	512.9	285.1	144.3	72.2	0.0
35°	1241.0	859.9	543.5	302.9	151.9	74.5	0.0
32.5°	1304.4	904.5	574.0	321.4	160.0	76.7	0.0
30°	1360.2	945.6	601.7	338.5	167.4	78.8	0.0
27.5°	1411.9	983.4	627.9	354.3	174.3	80.7	0.0
25°	1456.6	1017.6	651.0	368.7	180.6	82.5	0.0
22.5°	1493.5	1047.1	671.0	381.6	186.3	84.1	0.0
20°	1524.6	1069.3	687.8	393.0	191.4	85.5	0.0
17.5°	1555.5	1086.7	701.6	402.7	195.8	86.8	0.0
15°	1582.2	1101.3	712.4	410.6	199.6	87.9	0.0
12.5°	1603.1	1113.5	721.1	416.7	202.8	88.8	0.0
10°	1618.0	1126.2	727.5	421.2	205.3	89.6	0.0
7.5°	1631.4	1138.3	731.4	424.0	207.3	90.2	0.0
5°	1640.1	1145.7	732.8	425.3	208.6	90.7	0.0
2.5°	1642.4	1148.5	731.7	425.0	209.2	90.9	0.0
0°	1638.3	1146.8	728.1	423.2	209.3	91.0	0.0
-2.5°	1633.9	1145.5	730.1	422.5	209.2	91.2	0.0
-5°	1623.2	1139.9	729.5	420.4	208.6	91.1	0.0
-7.5°	1606.4	1129.9	726.3	416.8	207.3	90.9	0.0
-10°	1584.5	1115.7	720.3	411.7	205.5	90.6	0.0
-12.5°	1558.8	1098.0	711.6	405.3	203.1	90.0	0.0
-15°	1525.8	1077.2	699.4	397.5	200.1	89.3	0.0
-17.5°	1485.3	1053.9	683.0	388.3	196.6	88.4	0.0
-20°	1438.3	1027.6	664.3	378.0	192.5	87.4	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1395.8	997.2	643.4	367.2	187.9	86.2	0.0
-25°	1351.5	962.1	620.3	355.0	182.8	84.8	0.0
-27.5°	1301.6	923.7	595.2	341.5	177.2	83.3	0.0
-30°	1246.2	882.6	568.2	326.7	171.2	81.6	0.0
-32.5°	1185.5	838.9	539.7	310.7	165.2	79.7	0.0
-35°	1118.6	792.8	508.8	293.4	158.7	77.7	0.0
-37.5°	1051.5	747.3	478.3	277.2	152.6	75.5	0.0
-40°	991.2	704.6	452.1	266.0	148.5	73.1	0.0
-42.5°	930.6	659.0	424.4	254.1	144.1	70.5	0.0
-45°	866.2	610.8	395.3	241.2	139.4	67.8	0.0
-47.5°	796.0	560.0	364.7	227.5	134.4	64.9	0.0
-50°	727.7	506.8	333.6	213.0	129.2	61.9	0.0
-52.5°	657.5	466.6	301.5	197.8	123.7	58.7	0.0
-55°	584.4	423.0	278.4	181.8	117.9	55.4	0.0
-57.5°	509.1	378.2	257.1	165.1	111.9	52.0	0.0
-60°	455.5	332.5	234.9	154.4	105.7	48.5	0.0
-62.5°	401.6	294.8	212.1	144.0	99.3	44.8	0.0
-65°	347.2	263.4	188.6	133.3	92.7	41.1	0.0
-67.5°	300.0	231.2	168.4	122.4	85.1	37.2	0.0
-70°	258.2	198.1	151.9	111.3	76.4	33.3	0.0
-72.5°	215.0	169.8	134.5	100.1	67.5	29.3	0.0
-75°	175.3	146.1	116.5	88.1	58.3	25.3	0.0
-77.5°	149.2	122.2	97.9	73.7	48.9	21.1	0.0
-80°	123.1	98.0	78.6	59.1	39.3	17.0	0.0
-82.5°	96.5	73.7	59.1	44.4	29.6	12.8	0.0
-85°	64.6	49.2	39.5	29.7	19.8	8.5	0.0
-87.5°	32.4	24.6	19.7	14.8	9.9	4.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)