

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: P902114 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/14/2024

Test Information

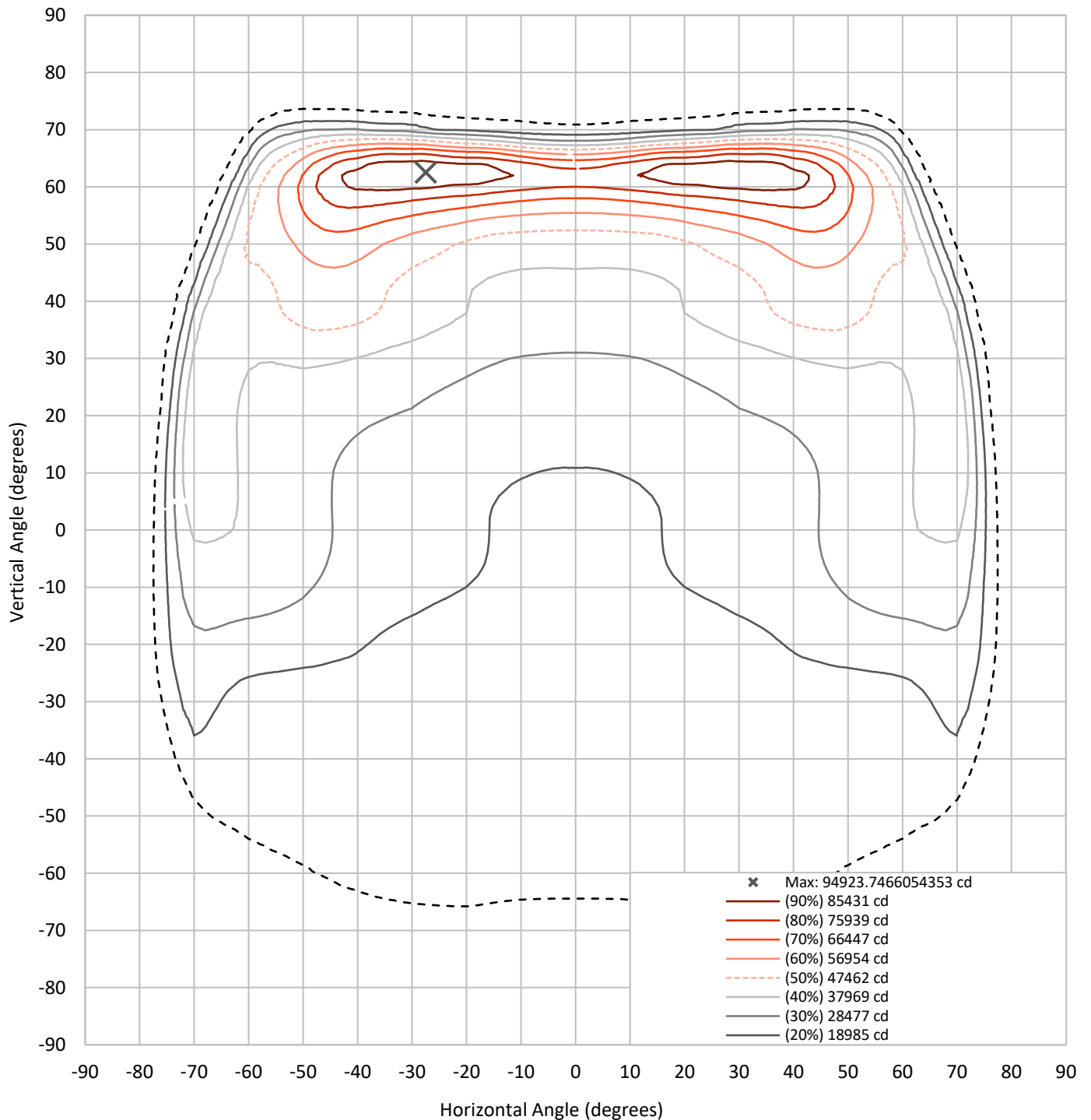
Test Method: LM-79-08
Report Number: P902114 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVM2043900)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A65-VWB-LT
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A65-VWB-LT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 7V
Luminaire Lumens:	132790.6 lumens	Max Intensity:	94923.7 candela
Efficiency:	N/A	Max Intensity Angle:	-27.5°H x 62.5°V
Efficacy:	94.0 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	113.4°H x 21°V	Field Angle (10%):	128.5°H x 137.8°V
Beam Lumens:	41693.8 lumens	Field Lumens:	129173.9 lumens
Beam Efficiency:	31.4%	Field Efficiency:	97.3%
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		

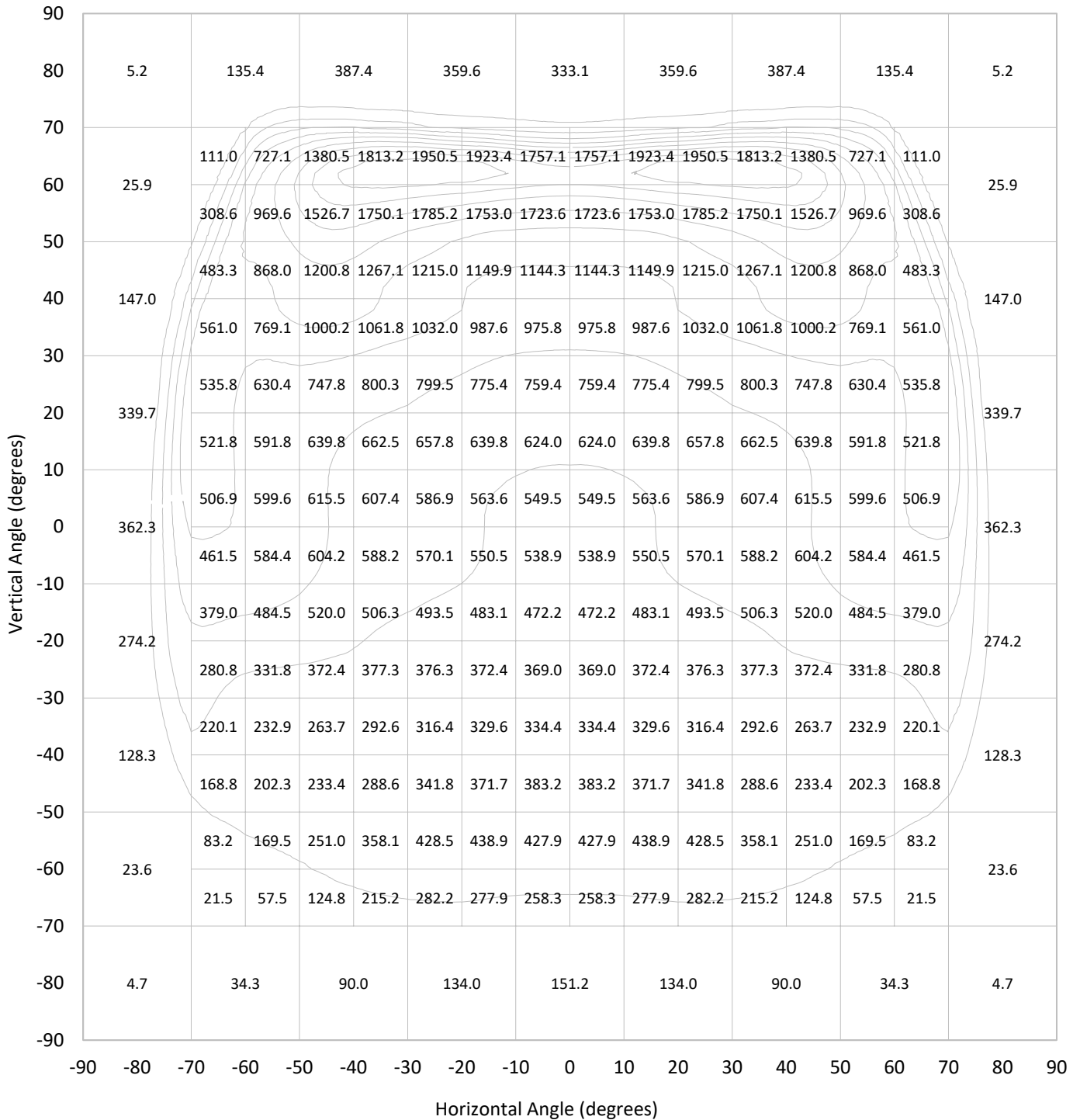
REPORT NUMBER: P902114 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-VWB-LT

Iso-Candela Plot



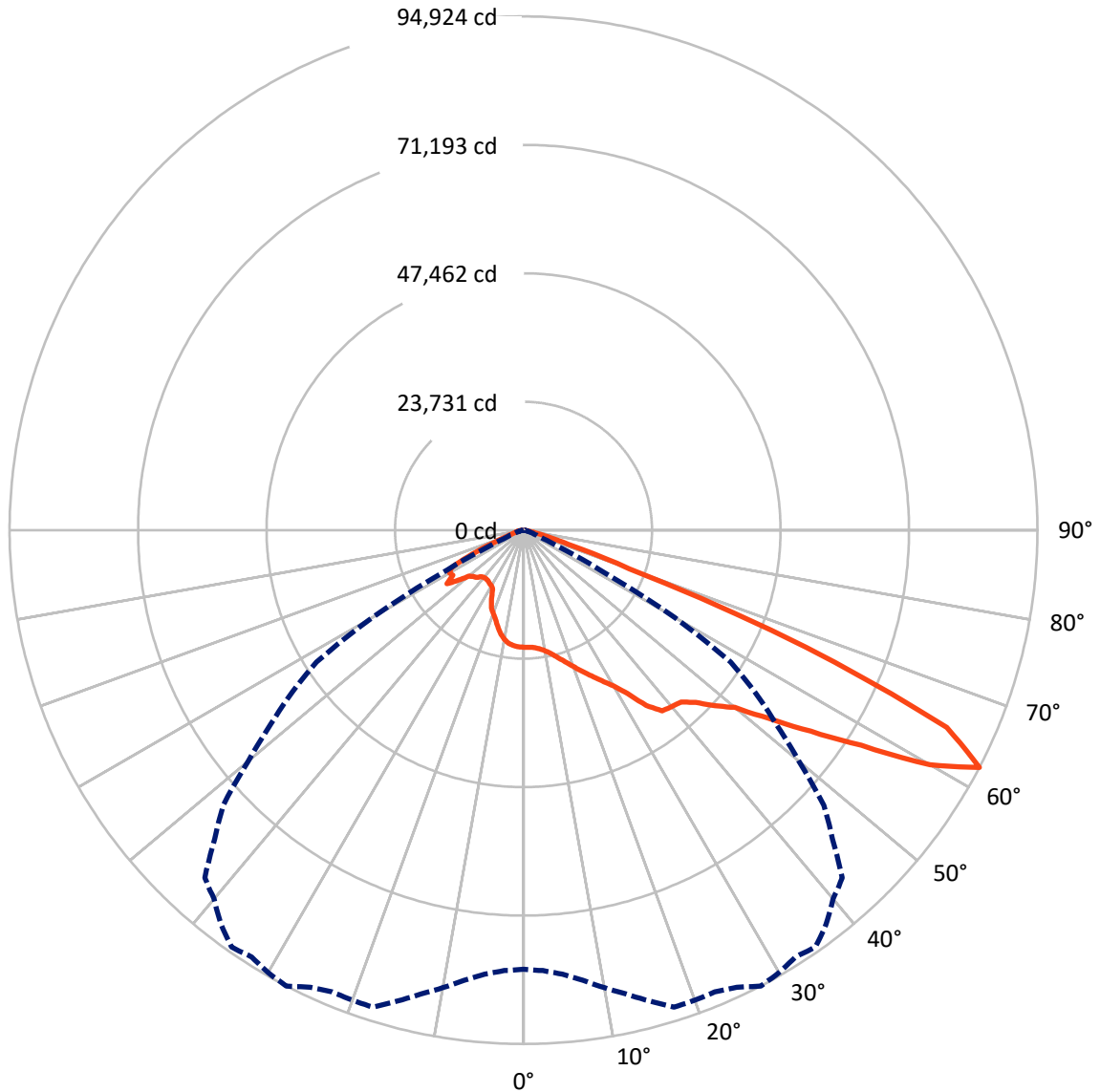
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Lumen Table



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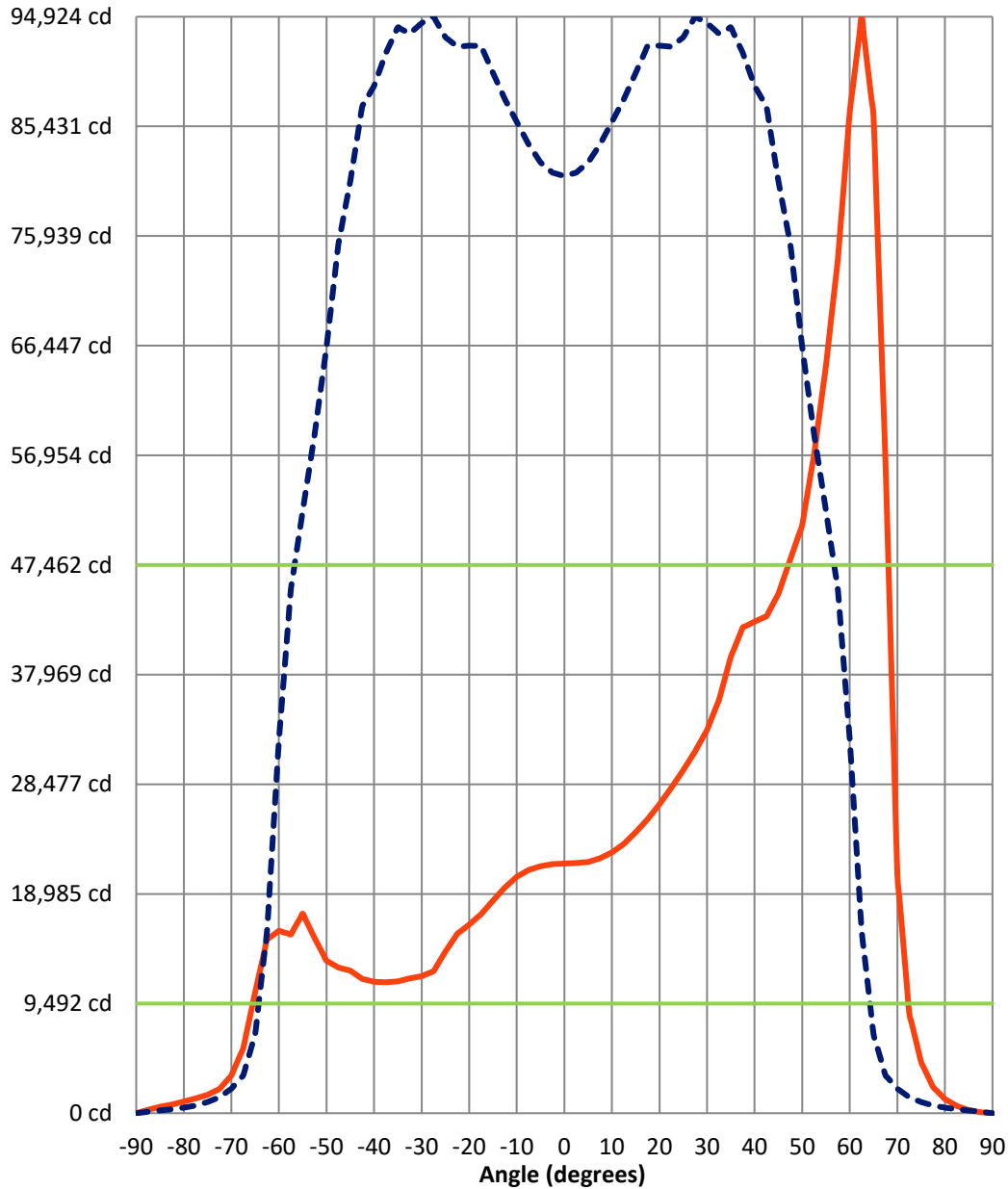
Luminous Intensity Polar Plot



— Vertical Distribution Through -27.5-Deg - - - Horizontal Distribution Through 62.5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 113.4°
 V Angle: 21°
 Lumens: 41693.8
 Efficiency: 31.4%

Field:
 H Angle: 128.5°
 V Angle: 137.8°
 Lumens: 129173.9
 Efficiency: 97.3%

Spill:
 Lumens: 3616.6
 Efficiency: 2.7%

— Vertical Distribution through -27.5-Deg
 - - - Horizontal Distribution through 62.5-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	11.9	23.8	35.6	47.4	54.2	64.8	75.2	85.6	87.1	96.1
85°	0.0	23.8	47.5	71.2	94.7	108.4	129.4	150.3	171.0	174.5	194.1
82.5°	0.0	35.6	71.2	106.6	141.8	162.7	193.8	227.4	261.2	283.4	309.6
80°	0.0	47.4	94.7	141.8	188.7	216.9	260.3	308.3	353.7	393.5	441.0
77.5°	0.0	59.1	118.0	176.8	232.4	270.2	326.3	388.2	463.3	548.0	633.3
75°	0.0	70.6	141.1	211.4	270.5	322.7	391.3	499.5	614.5	713.7	940.7
72.5°	0.0	82.1	164.0	239.5	308.0	374.2	485.7	627.3	763.9	1030.6	1531.2
70°	0.0	93.3	186.5	265.4	344.8	438.6	587.8	752.5	1034.2	1404.3	2236.9
67.5°	0.0	104.4	208.7	290.4	380.8	516.3	686.7	962.7	1312.4	1902.6	3199.0
65°	0.0	115.3	226.5	314.5	427.2	591.5	814.8	1177.7	1666.5	2522.5	4544.3
62.5°	0.0	126.0	240.7	337.6	482.5	663.9	972.0	1382.1	2124.6	3287.5	6823.6
60°	0.0	136.5	254.7	359.6	536.2	756.1	1119.4	1674.0	2544.6	4727.8	9826.5
57.5°	0.0	146.6	268.2	381.9	588.2	872.4	1256.3	1938.6	3383.0	6002.5	15545.4
55°	0.0	156.6	281.4	420.3	638.3	984.4	1481.5	2199.7	4319.8	9561.1	20359.3
52.5°	0.0	166.2	294.3	457.9	693.7	1091.8	1711.3	2994.1	5292.9	13192.5	26213.9
50°	0.0	175.4	306.7	494.8	775.6	1195.4	1937.5	3844.0	8515.5	17270.4	32423.2
47.5°	0.0	184.4	318.6	530.7	854.7	1384.2	2231.6	4681.8	11613.5	23445.1	37118.2
45°	0.0	193.0	330.1	565.8	932.3	1569.6	2930.9	6490.1	14781.2	29387.0	41125.8
42.5°	0.0	201.2	341.1	599.8	1006.6	1750.9	3597.8	9181.0	20081.6	34257.5	44459.3
40°	0.0	209.1	351.6	633.1	1077.6	1927.7	4219.8	11760.4	25254.1	38639.1	45927.2
37.5°	0.0	216.6	361.5	664.8	1145.0	2099.5	4780.5	14225.9	30267.8	43129.9	47403.3
35°	0.0	221.9	378.6	708.7	1253.7	2443.2	6124.6	17468.7	34187.2	45795.1	47907.8
32.5°	0.0	226.3	397.4	756.4	1375.7	2855.6	7821.1	21026.6	37241.8	46239.1	46044.7
30°	0.0	230.4	415.0	802.4	1489.9	3241.8	9334.6	24315.6	39942.5	46304.6	44232.1
27.5°	0.0	234.2	431.2	846.5	1614.7	3600.9	10722.3	27423.1	42487.1	46457.9	42753.3
25°	0.0	237.8	446.2	888.5	1738.1	3932.1	11955.8	30336.7	44670.1	45946.9	42109.0
22.5°	0.0	241.0	459.8	928.2	1857.7	4256.0	13021.2	32575.1	45047.0	45356.8	41564.8
20°	0.0	243.8	472.0	965.4	1972.6	4607.0	14259.3	34104.9	45203.4	44896.5	41184.2
17.5°	0.0	246.4	482.9	1000.3	2082.0	4935.7	15989.7	35407.7	45133.9	44429.9	40901.1
15°	0.0	248.6	492.4	1032.4	2185.2	5419.8	17425.1	36292.7	45041.8	43916.7	40648.8
12.5°	0.0	250.5	500.4	1061.4	2313.5	6027.6	18551.3	36675.0	44572.2	43535.5	40494.8
10°	0.0	252.1	507.0	1087.1	2449.5	6594.2	19381.6	36791.9	43802.1	42852.7	40309.7
7.5°	0.0	253.3	512.2	1109.2	2579.8	7113.5	19942.3	36596.9	42998.6	42204.9	39983.4
5°	0.0	254.1	515.8	1127.4	2702.0	7530.3	20220.6	35881.1	41857.3	41412.9	39665.1
2.5°	0.0	254.7	518.1	1141.5	2813.7	7849.8	20239.8	34939.7	40577.1	40377.9	39083.0
0°	0.0	254.8	518.8	1151.3	2912.5	8077.5	20032.4	33803.0	39245.7	39386.8	38544.9
-2.5°	0.0	254.7	517.1	1147.4	2987.2	8364.0	19859.4	32478.8	37503.7	37876.2	37373.7
-5°	0.0	254.1	514.0	1138.9	3043.9	8565.3	19532.4	31036.6	35706.8	36357.1	36194.9
-7.5°	0.0	253.3	509.4	1125.8	3080.0	8682.3	19090.9	29522.5	33937.1	34741.6	34645.4
-10°	0.0	252.1	503.5	1108.0	3093.3	8716.1	18636.8	28425.2	32388.9	33053.6	33004.8
-12.5°	0.0	250.5	496.3	1085.6	3081.2	8597.5	18307.9	27438.0	30865.8	31383.8	31315.5
-15°	0.0	248.6	487.7	1058.6	3009.2	8288.2	17924.4	26501.1	29437.0	30038.0	29638.7
-17.5°	0.0	246.4	477.9	1027.0	2828.4	7967.8	17508.9	25469.5	28058.5	28675.1	27988.7
-20°	0.0	243.8	466.8	989.5	2636.0	7636.6	16942.6	24369.8	26645.8	26876.0	26189.5



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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	241.0	454.6	944.4	2433.3	7203.0	16039.2	23359.8	25095.5	24761.5	24155.0
-25°	0.0	237.8	441.3	896.8	2221.7	6525.0	14927.1	22167.5	23571.5	22624.9	21901.0
-27.5°	0.0	234.2	426.8	847.1	2002.6	5739.3	13623.7	20782.3	22240.7	21336.3	19921.4
-30°	0.0	230.4	411.4	795.4	1777.8	4917.5	12082.1	19348.6	21247.0	20321.7	18839.8
-32.5°	0.0	226.3	395.0	742.1	1555.9	4062.6	10271.8	17871.4	20405.9	19412.4	18068.2
-35°	0.0	221.9	377.6	687.3	1334.0	3177.6	8384.5	16258.9	19551.1	18673.5	17285.4
-37.5°	0.0	216.6	361.5	639.2	1158.4	2497.2	6758.8	14176.2	18104.8	17822.6	16669.8
-40°	0.0	209.1	351.6	609.6	1083.0	2240.4	5672.4	11723.6	15959.6	16771.9	15969.2
-42.5°	0.0	201.2	341.1	579.2	1005.2	1978.0	4613.4	9339.1	13797.4	15556.8	15180.5
-45°	0.0	193.0	330.1	548.3	925.2	1710.7	3582.1	7024.8	11620.0	13752.3	13828.2
-47.5°	0.0	184.4	318.6	516.0	843.3	1438.9	2576.5	5311.0	9122.5	11434.1	12411.9
-50°	0.0	175.4	306.7	482.5	760.6	1164.3	2166.8	4220.6	6811.1	9248.1	10752.4
-52.5°	0.0	166.2	294.3	447.7	675.9	1059.6	1859.3	3206.1	4611.3	7022.7	8344.6
-55°	0.0	156.6	281.4	411.8	620.7	955.0	1556.0	2323.2	3593.0	5015.9	6107.1
-57.5°	0.0	146.6	268.2	374.9	571.0	840.1	1239.7	1931.9	2703.3	3403.9	4437.9
-60°	0.0	136.5	254.7	352.9	519.4	714.9	1054.7	1502.3	1963.4	2456.4	2772.9
-62.5°	0.0	126.0	240.7	331.4	465.9	616.5	871.4	1067.1	1451.7	1515.6	1888.3
-65°	0.0	115.3	226.5	309.1	410.7	546.0	689.9	876.2	1014.5	1159.8	1409.2
-67.5°	0.0	104.4	208.7	286.1	364.5	475.9	566.8	705.2	789.4	935.8	1118.2
-70°	0.0	93.3	186.5	262.4	328.8	406.1	496.7	562.4	674.6	771.3	898.3
-72.5°	0.0	82.1	164.0	238.1	292.0	349.3	428.9	493.7	566.9	657.6	746.8
-75°	0.0	70.6	141.1	211.4	254.2	304.0	365.5	425.4	487.8	551.5	623.1
-77.5°	0.0	59.1	118.0	176.8	215.8	258.7	309.4	357.9	406.5	460.2	517.6
-80°	0.0	47.4	94.7	141.8	173.9	213.3	252.3	290.6	328.1	370.8	418.8
-82.5°	0.0	35.6	71.2	106.6	130.4	162.0	193.8	222.9	251.1	290.6	323.7
-85°	0.0	23.8	47.5	71.2	86.9	108.2	129.4	150.3	171.0	208.2	228.5
-87.5°	0.0	11.9	23.8	35.6	43.5	54.1	64.8	75.2	85.6	104.4	115.3
-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):

	-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°	105.0	113.7	110.1	117.4	115.1	117.0	122.9	112.8	100.8	104.6	108.3
85°	215.5	236.4	238.0	250.7	255.9	256.6	264.9	254.2	252.4	259.1	249.6
82.5°	341.0	372.3	386.2	439.3	474.6	480.6	486.2	483.8	488.9	496.6	504.2
80°	525.3	628.9	733.5	799.8	839.3	929.4	952.4	921.8	883.6	869.5	882.4
77.5°	758.7	991.4	1329.8	1634.6	1799.4	1818.7	2085.6	2114.7	2085.6	2041.1	2017.0
75°	1381.8	1740.5	2150.0	4168.9	5023.9	4924.5	4742.5	5170.7	4964.3	4664.4	4344.1
72.5°	2119.6	4223.5	7236.7	9401.8	12071.2	13074.6	12587.1	12464.6	12447.5	11378.7	10168.5
70°	4235.2	7864.0	15218.7	21496.1	24013.0	26650.7	28860.5	28455.4	29198.9	29141.7	26727.8
67.5°	6476.8	15173.1	26508.0	34057.8	38904.2	43566.4	48258.3	52376.8	54424.2	56051.3	58294.0
65°	10759.7	22566.2	37255.7	45787.3	50700.6	57720.0	64871.8	70675.7	75979.8	78691.1	82212.3
62.5°	15792.8	32306.8	45317.6	52146.3	58769.1	66347.2	75239.1	80690.7	87127.0	88938.7	91796.5
60°	23786.5	39359.4	49430.6	55477.1	61837.1	69298.3	76553.9	81749.5	84813.7	86910.8	87248.0
57.5°	30236.0	43907.7	51250.9	56132.2	61623.3	68289.6	73435.1	77123.1	78705.0	78894.0	78331.5
55°	35628.1	46495.1	51770.7	55195.0	60368.9	65661.3	69537.8	72000.3	72777.0	72020.8	71054.0
52.5°	40261.9	48080.6	50894.8	53972.7	58291.3	62328.7	65385.0	66996.5	67234.7	65987.7	64427.5
50°	43544.1	48286.5	49874.3	52289.9	55739.1	59063.4	61618.9	62827.8	62200.8	61313.3	58807.4
47.5°	46466.5	47738.3	48297.3	50428.1	53477.2	56388.6	58331.7	59315.8	59151.4	57485.5	55547.8
45°	46200.0	46608.8	46882.4	48658.8	51152.9	53597.3	55247.1	55850.0	55446.5	53859.4	52150.2
42.5°	46561.8	45629.3	45973.9	47429.1	49529.1	51672.3	53084.9	53795.3	52973.4	51436.0	49798.9
40°	46516.5	45279.2	45539.7	47019.3	49156.1	51186.7	52614.5	52834.6	51838.9	50748.5	49228.7
37.5°	46339.7	44926.2	45072.7	46312.2	48298.6	50056.3	51380.7	51517.5	50571.2	49495.2	48043.7
35°	45056.3	43516.1	43567.3	44243.7	45620.8	46970.2	48026.0	47695.3	46941.4	46033.0	44826.4
32.5°	43004.1	41265.1	40754.2	40963.6	41867.2	42912.8	43262.0	42630.4	42027.0	41201.7	40123.7
30°	40978.9	39232.9	38205.2	38409.2	39033.4	39492.5	39370.3	38937.4	38462.1	37813.0	36962.4
27.5°	39654.8	37690.0	36934.4	36848.8	37047.7	37302.5	36990.0	36486.8	36077.6	35467.4	34684.3
25°	38857.1	37073.4	35966.2	35741.9	35579.8	35666.1	35046.6	34646.6	34152.8	33439.7	32611.8
22.5°	38535.1	36511.3	35414.5	34786.3	34500.5	34280.7	33467.0	32935.0	32301.2	31605.8	30837.6
20°	38237.2	36293.1	34984.2	34303.7	33700.4	33029.7	32113.1	31502.1	30791.8	30065.6	29284.8
17.5°	38153.5	36229.8	34952.4	33933.6	33145.9	32115.3	31139.0	30399.9	29605.1	28785.2	28041.6
15°	38218.2	36368.1	34969.8	33736.4	32800.7	31588.5	30450.0	29564.6	28699.7	27771.2	26964.9
12.5°	38252.6	36508.2	35084.8	33833.2	32643.7	31299.9	30023.8	29021.0	28036.2	27006.5	26169.4
10°	38333.7	36656.3	35302.6	34032.1	32752.1	31218.1	29852.5	28716.9	27567.9	26476.4	25573.6
7.5°	38281.6	36815.2	35583.1	34296.1	33025.5	31273.8	29859.7	28607.0	27357.2	26182.0	25182.1
5°	38266.9	37000.1	35845.4	34571.3	33341.2	31416.7	29955.2	28592.5	27304.5	26081.4	25018.3
2.5°	38040.3	37061.3	36047.2	34819.6	33621.0	31568.1	30054.2	28642.6	27301.6	26074.7	24990.3
0°	37825.9	37097.7	36210.3	35022.6	33780.3	31655.0	30103.2	28706.2	27309.1	26066.7	24965.5
-2.5°	36970.1	36538.6	35772.1	34685.9	33465.6	31530.6	29997.0	28633.2	27229.6	25953.8	24835.0
-5°	36060.7	35791.4	35052.3	33997.9	32835.1	31156.8	29669.0	28350.2	26954.0	25676.5	24529.3
-7.5°	34598.8	34517.5	33937.1	32973.4	31904.7	30478.5	29061.9	27799.7	26485.7	25207.8	24057.0
-10°	33033.5	32869.9	32325.9	31557.2	30685.6	29471.9	28119.5	26958.1	25715.3	24481.4	23350.7
-12.5°	31071.0	30866.0	30487.6	29868.4	29049.1	28118.4	26836.1	25719.0	24589.1	23424.6	22369.7
-15°	29132.9	28845.3	28465.8	27963.7	27259.5	26391.6	25300.5	24230.1	23209.0	22115.2	21118.2
-17.5°	27370.2	26801.9	26516.8	26085.3	25443.3	24722.7	23719.6	22769.3	21809.6	20794.1	19828.9
-20°	25571.6	24690.3	24580.8	24081.7	23706.2	23062.6	22274.7	21412.9	20576.1	19638.4	18760.1



REPORT NUMBER: P902114 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-VWB-LT

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	22959.8	22351.8	21873.3	21778.9	21248.6	21011.8	20444.5	19770.3	19172.7	18404.2	17651.3
-25°	20257.6	19644.8	18898.7	18691.0	18309.0	17818.9	17672.0	17079.8	16495.9	16048.3	15459.2
-27.5°	18577.9	17217.4	16814.3	16237.4	15903.9	15645.9	15290.9	14943.0	14534.9	14127.5	13638.6
-30°	17417.1	16142.5	15282.2	14921.8	14541.2	14345.8	14091.1	13920.4	13528.9	13216.2	12872.9
-32.5°	16642.4	15310.6	14416.7	13904.4	13538.9	13343.2	13158.6	12990.4	12848.2	12578.1	12359.4
-35°	16023.0	14658.0	13522.3	12986.4	12639.4	12404.2	12222.3	12065.5	12021.3	11868.7	11743.2
-37.5°	15423.7	14229.9	13191.1	12459.9	11997.1	11718.3	11549.8	11472.2	11447.3	11364.9	11320.0
-40°	14913.5	13895.6	12966.4	12162.9	11712.3	11356.7	11146.9	11058.2	11007.9	11038.1	11038.9
-42.5°	14261.5	13403.1	12610.5	11934.9	11453.8	11204.3	11015.1	10928.0	10960.2	11111.2	11133.9
-45°	13273.7	12608.3	12053.1	11598.6	11099.9	10865.7	10742.9	10671.3	10843.8	11057.8	11384.4
-47.5°	12435.1	11905.7	11461.2	11045.2	10731.5	10579.0	10536.8	10522.0	10622.4	10929.0	11272.0
-50°	11119.2	11416.8	11328.8	10953.8	10824.5	10660.1	10633.7	10801.3	10914.0	11299.2	11729.6
-52.5°	9491.1	10638.7	10865.1	11150.8	11234.5	11244.5	11546.6	11774.3	12371.1	12730.0	13448.8
-55°	7548.2	8695.1	9858.1	10335.0	10910.9	11297.6	11629.9	12345.8	12998.5	14271.4	14723.3
-57.5°	5448.4	6618.3	7655.1	8789.5	9439.8	10303.3	10866.4	11340.1	12294.5	12995.6	14078.1
-60°	3725.2	4566.0	5511.0	6505.1	7494.3	8504.0	9618.2	10445.2	11386.9	12394.8	13393.6
-62.5°	2349.3	3039.7	3557.5	4436.5	5160.3	6168.9	7259.1	8333.0	9598.8	10421.5	11614.8
-65°	1683.6	1935.7	2368.4	2496.6	3265.9	3629.4	4436.2	5376.8	6133.8	7091.6	7832.4
-67.5°	1300.5	1492.5	1651.0	1897.8	2063.9	2301.8	2679.4	2975.5	3502.5	4065.1	4327.9
-70°	1057.6	1188.5	1340.0	1475.6	1574.9	1730.7	1862.2	1988.2	2284.0	2436.1	2554.4
-72.5°	843.2	976.5	1085.2	1179.8	1282.5	1377.4	1467.3	1555.3	1677.6	1776.6	1813.7
-75°	711.1	796.1	873.0	958.3	1034.3	1107.3	1175.1	1241.8	1299.6	1349.4	1399.2
-77.5°	583.8	644.7	723.4	781.8	830.3	886.7	950.3	1008.7	1052.7	1093.2	1133.7
-80°	472.5	516.3	576.4	630.5	678.8	729.5	767.2	809.5	843.9	872.1	905.6
-82.5°	360.6	394.7	426.1	469.2	512.1	550.3	588.1	617.7	640.9	665.4	686.1
-85°	248.4	281.4	300.7	328.0	356.7	376.0	406.2	433.1	446.4	472.2	487.7
-87.5°	126.0	147.7	158.9	176.1	193.8	204.7	219.7	241.1	251.6	261.4	270.7
-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: P902114 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-VWB-LT

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°	103.4	98.3	101.5	86.8	89.7	90.6	91.9	93.8	95.4	87.0	79.9
85°	250.0	255.1	263.6	263.9	277.5	273.6	277.5	288.9	295.3	294.5	298.4
82.5°	536.6	575.8	599.8	632.1	651.4	655.4	674.2	696.2	699.1	693.9	707.2
80°	987.6	1102.3	1179.8	1232.0	1253.8	1259.4	1247.8	1221.1	1218.0	1248.5	1288.5
77.5°	2103.2	2199.0	2256.7	2272.5	2288.0	2326.8	2348.9	2305.7	2197.1	2122.3	2109.0
75°	4366.5	4446.9	4455.7	4428.2	4297.1	4187.1	4158.6	4228.5	4311.4	4375.2	4432.3
72.5°	10064.5	9739.3	9183.9	8675.2	8145.8	7796.4	7578.9	7422.1	7350.7	7260.3	7104.9
70°	25411.1	25868.6	24070.9	20736.6	18259.9	18673.1	17673.6	16211.7	15008.8	13912.6	12862.4
67.5°	58871.0	57889.9	57288.3	56493.3	53180.7	50245.9	48361.6	46932.5	44947.4	41740.1	38479.6
65°	84980.8	84802.7	85156.6	86266.5	83902.4	82262.1	81382.7	81411.9	80903.4	77721.2	74394.0
62.5°	94001.9	93469.1	94368.9	94923.7	93151.1	92329.2	92417.0	92391.0	90061.8	87782.2	85817.2
60°	87990.6	87578.2	86905.9	86694.6	85422.0	84215.8	84153.8	83502.4	81372.7	79936.6	78789.3
57.5°	77528.5	76445.9	75010.8	73937.3	72732.1	71571.6	70728.2	69223.0	67723.6	66759.6	65806.9
55°	69115.8	67846.5	66466.2	64733.3	63607.1	62246.3	60670.3	59206.7	58226.8	57284.7	56533.3
52.5°	62267.1	60518.7	58449.2	57037.3	55100.4	53956.2	52156.1	50235.3	49051.7	48681.4	48238.0
50°	56809.6	54535.2	52751.5	50917.0	49639.4	47731.1	46160.8	44830.9	43719.0	43191.9	42862.6
47.5°	53504.6	51453.6	49483.4	47953.5	46602.4	44804.9	43094.1	41887.4	41015.9	40386.0	39963.3
45°	50231.7	48188.2	46319.1	44971.2	43491.4	41807.5	40280.2	39126.6	38281.5	37620.8	37261.5
42.5°	48044.4	46008.1	44280.8	43027.5	41408.3	39880.0	38448.7	37363.6	36522.5	35836.2	35580.2
40°	47335.4	45505.1	43977.6	42556.5	40844.2	39349.2	38175.6	37119.0	36240.9	35574.9	35181.3
37.5°	46344.6	44946.7	43372.5	42047.2	40449.1	38910.4	37928.3	36887.0	36205.4	35349.2	34961.8
35°	43408.5	41982.9	40755.7	39504.3	37862.4	36750.1	35870.3	34869.8	34154.6	33503.7	33151.2
32.5°	38989.3	38037.9	37046.9	35778.5	34390.5	33556.2	32613.5	31779.3	31114.4	30590.3	30163.7
30°	36079.5	35207.2	34318.5	33181.0	32084.2	31211.8	30379.2	29650.9	29035.7	28544.4	28201.7
27.5°	33893.4	33076.3	32385.3	31333.4	30367.4	29580.3	28881.1	28177.7	27599.4	27131.3	26777.0
25°	31866.0	31241.4	30737.5	29699.8	28823.3	28106.2	27471.2	26803.4	26260.8	25811.7	25431.1
22.5°	30220.6	29687.0	29150.6	28181.4	27384.3	26734.5	26126.4	25529.7	25003.6	24550.6	24178.2
20°	28762.3	28243.3	27719.0	26748.5	26052.6	25447.9	24900.0	24335.3	23829.9	23406.7	23019.5
17.5°	27524.2	26961.3	26409.7	25449.8	24802.1	24238.6	23689.5	23207.8	22703.4	22293.7	21942.4
15°	26455.6	25850.3	25234.8	24323.3	23678.5	23128.9	22614.8	22138.1	21652.5	21270.6	20930.5
12.5°	25552.9	24953.6	24293.1	23311.3	22692.4	22140.5	21621.4	21131.2	20697.7	20303.0	20012.5
10°	24931.7	24255.9	23566.8	22577.8	21912.7	21335.6	20799.9	20332.1	19904.0	19535.0	19240.0
7.5°	24497.9	23805.2	23043.4	22070.2	21363.8	20782.3	20237.2	19750.8	19343.8	18973.2	18652.5
5°	24240.8	23535.6	22780.0	21747.7	21096.7	20485.5	19925.8	19405.5	18976.2	18639.7	18308.1
2.5°	24129.1	23392.6	22683.8	21663.0	20986.3	20374.1	19802.5	19287.9	18842.9	18492.7	18203.0
0°	24082.6	23308.9	22662.8	21611.5	20933.5	20310.0	19750.3	19258.8	18849.2	18507.9	18221.2
-2.5°	23956.8	23136.4	22569.0	21561.8	20899.8	20281.1	19727.7	19228.2	18841.4	18510.6	18233.1
-5°	23707.8	22917.1	22319.8	21380.9	20736.6	20160.0	19636.8	19167.6	18782.8	18457.9	18181.0
-7.5°	23213.0	22451.6	21843.8	21059.3	20413.9	19905.6	19407.4	18992.9	18615.3	18287.5	18003.0
-10°	22512.9	21755.9	21161.1	20464.9	19869.7	19393.2	18968.9	18584.8	18229.3	17904.7	17642.5
-12.5°	21509.4	20771.4	20247.1	19542.2	18986.2	18595.3	18182.3	17845.5	17497.8	17196.8	16947.6
-15°	20233.7	19549.2	18966.4	18403.4	17823.5	17461.8	17126.1	16797.1	16476.5	16194.2	15953.7
-17.5°	18963.3	18278.1	17676.2	17230.4	16618.8	16253.7	15929.2	15654.3	15358.7	15083.5	14818.4
-20°	17903.1	17272.7	16736.1	16330.3	15772.4	15406.9	15048.2	14745.9	14489.3	14263.8	14053.6



REPORT NUMBER: P902114 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-VWB-LT

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	16958.6	16366.1	15890.3	15530.7	15120.3	14747.3	14392.1	14029.4	13858.8	13634.1	13425.2
-25°	15024.2	14579.2	14251.6	13997.7	13692.8	13335.7	13043.1	13002.8	12794.6	12592.3	12517.6
-27.5°	13221.9	12833.0	12528.4	12293.3	12091.3	11800.4	11586.0	11395.2	11326.7	11102.9	11074.9
-30°	12555.5	12255.3	12026.6	11862.9	11736.1	11427.2	11263.6	11121.3	11010.4	10869.0	10789.6
-32.5°	12142.9	11932.0	11765.9	11674.7	11628.3	11412.0	11256.2	11131.2	11050.1	10940.2	10874.2
-35°	11614.4	11552.1	11463.9	11413.8	11444.6	11380.3	11213.0	11183.4	11114.2	11091.3	11048.4
-37.5°	11331.4	11330.9	11306.4	11336.2	11415.0	11445.2	11354.9	11339.6	11376.2	11349.5	11318.3
-40°	11134.0	11220.6	11288.9	11379.7	11480.8	11641.2	11585.2	11623.1	11671.4	11702.6	11707.8
-42.5°	11316.1	11448.5	11525.7	11633.3	11712.3	11924.3	11978.3	11947.8	12040.9	12099.5	12105.2
-45°	11706.0	11902.4	12364.4	12340.4	12721.7	12698.7	12858.0	12955.1	12739.3	12700.2	12858.4
-47.5°	11694.2	12017.2	12317.4	12611.5	12839.7	13049.7	13221.9	13235.8	13205.6	13186.0	13184.0
-50°	12166.3	12650.6	12879.6	13204.2	13386.4	13484.4	13594.1	13571.6	13401.9	13340.3	13250.6
-52.5°	13859.4	14620.0	14753.1	15159.1	15209.3	15115.0	15229.1	15073.5	14655.1	14538.0	14404.7
-55°	16136.0	16302.3	17376.3	17274.2	17210.2	18031.2	17096.0	16674.3	16919.2	17132.9	16403.0
-57.5°	14342.3	15436.3	15368.3	15481.8	15592.4	14794.4	14527.3	14621.4	14317.6	13704.0	13123.2
-60°	14601.2	15039.9	15517.0	15786.8	15564.2	15245.1	15048.5	14716.6	14524.1	14358.5	14120.2
-62.5°	12832.4	13580.9	14430.1	15039.8	15036.9	15134.9	15281.4	15338.0	14842.4	14326.7	13949.3
-65°	8499.0	9346.4	10060.2	10464.7	10865.2	11223.6	11371.6	10959.8	9998.5	9172.9	8633.6
-67.5°	4624.0	5154.5	5540.1	5640.1	5815.6	5920.1	5666.8	5035.5	4239.7	3683.3	3652.3
-70°	2861.6	3117.9	3195.8	3267.8	3341.9	3233.2	2947.0	2743.7	2679.1	2658.3	2676.7
-72.5°	1919.4	2100.4	2175.3	2103.6	2027.1	2038.1	2071.6	2104.3	2139.6	2181.2	2242.7
-75°	1470.7	1539.5	1577.4	1591.9	1603.5	1632.6	1667.2	1718.2	1771.2	1822.1	1857.2
-77.5°	1176.5	1221.6	1258.2	1283.7	1299.4	1313.4	1348.9	1377.5	1410.2	1446.4	1483.6
-80°	945.9	974.4	988.9	1012.0	1031.2	1042.4	1068.2	1087.2	1109.8	1131.7	1175.6
-82.5°	700.2	715.0	731.9	750.3	764.1	782.2	796.2	806.9	816.1	824.0	835.8
-85°	508.8	527.1	551.3	559.5	566.5	577.3	573.5	579.6	585.2	589.9	602.1
-87.5°	278.4	285.8	294.0	300.7	306.9	312.5	314.3	322.9	336.5	350.7	355.7
-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: P902114 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-VWB-LT

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°	80.7	81.4	81.8	81.9	81.8	81.4	80.7	79.9	87.0	95.4	93.8
85°	303.2	306.7	308.8	300.4	308.8	306.7	303.2	298.4	294.5	295.3	288.9
82.5°	703.6	722.6	760.5	737.2	760.5	722.6	703.6	707.2	693.9	699.1	696.2
80°	1294.4	1327.3	1412.3	1474.4	1412.3	1327.3	1294.4	1288.5	1248.5	1218.0	1221.1
77.5°	2160.0	2245.5	2337.7	2380.0	2337.7	2245.5	2160.0	2109.0	2122.3	2197.1	2305.7
75°	4437.5	4518.8	4614.5	4650.9	4614.5	4518.8	4437.5	4432.3	4375.2	4311.4	4228.5
72.5°	6975.0	6923.2	6858.0	6798.8	6858.0	6923.2	6975.0	7104.9	7260.3	7350.7	7422.1
70°	12024.6	11426.4	11082.4	11031.0	11082.4	11426.4	12024.6	12862.4	13912.6	15008.8	16211.7
67.5°	36133.3	34601.2	33864.6	33593.7	33864.6	34601.2	36133.3	38479.6	41740.1	44947.4	46932.5
65°	71293.9	68986.9	67736.9	67378.5	67736.9	68986.9	71293.9	74394.0	77721.2	80903.4	81411.9
62.5°	83871.0	82310.4	81434.0	81121.8	81434.0	82310.4	83871.0	85817.2	87782.2	90061.8	92391.0
60°	77617.0	76621.0	76074.4	75906.6	76074.4	76621.0	77617.0	78789.3	79936.6	81372.7	83502.4
57.5°	65008.4	64345.7	64008.6	63924.5	64008.6	64345.7	65008.4	65806.9	66759.6	67723.6	69223.0
55°	55939.4	55561.3	55403.0	55328.1	55403.0	55561.3	55939.4	56533.3	57284.7	58226.8	59206.7
52.5°	47757.1	47424.8	47284.8	47250.5	47284.8	47424.8	47757.1	48238.0	48681.4	49051.7	50235.3
50°	42546.9	42344.8	42266.0	42303.8	42266.0	42344.8	42546.9	42862.6	43191.9	43719.0	44830.9
47.5°	39760.7	39685.6	39758.1	39901.0	39758.1	39685.6	39760.7	39963.3	40386.0	41015.9	41887.4
45°	37110.6	37073.5	37127.7	37243.4	37127.7	37073.5	37110.6	37261.5	37620.8	38281.5	39126.6
42.5°	35431.8	35346.8	35374.1	35432.2	35374.1	35346.8	35431.8	35580.2	35836.2	36522.5	37363.6
40°	34957.8	34871.3	34859.6	34931.6	34859.6	34871.3	34957.8	35181.3	35574.9	36240.9	37119.0
37.5°	34800.6	34635.6	34554.1	34594.9	34554.1	34635.6	34800.6	34961.8	35349.2	36205.4	36887.0
35°	32915.0	32764.8	32695.8	32738.1	32695.8	32764.8	32915.0	33151.2	33503.7	34154.6	34869.8
32.5°	30010.2	29868.4	29754.0	29761.9	29754.0	29868.4	30010.2	30163.7	30590.3	31114.4	31779.3
30°	27943.8	27739.4	27603.6	27577.6	27603.6	27739.4	27943.8	28201.7	28544.4	29035.7	29650.9
27.5°	26483.2	26271.8	26167.9	26153.2	26167.9	26271.8	26483.2	26777.0	27131.3	27599.4	28177.7
25°	25130.6	24903.6	24803.6	24801.6	24803.6	24903.6	25130.6	25431.1	25811.7	26260.8	26803.4
22.5°	23857.6	23643.5	23521.5	23518.3	23521.5	23643.5	23857.6	24178.2	24550.6	25003.6	25529.7
20°	22702.6	22492.8	22373.1	22353.3	22373.1	22492.8	22702.6	23019.5	23406.7	23829.9	24335.3
17.5°	21641.3	21426.4	21308.0	21324.9	21308.0	21426.4	21641.3	21942.4	22293.7	22703.4	23207.8
15°	20649.6	20439.9	20331.3	20360.1	20331.3	20439.9	20649.6	20930.5	21270.6	21652.5	22138.1
12.5°	19756.6	19537.5	19448.8	19490.9	19448.8	19537.5	19756.6	20012.5	20303.0	20697.7	21131.2
10°	18990.9	18791.0	18706.0	18730.9	18706.0	18791.0	18990.9	19240.0	19535.0	19904.0	20332.1
7.5°	18397.2	18224.2	18138.4	18134.8	18138.4	18224.2	18397.2	18652.5	18973.2	19343.8	19750.8
5°	18057.0	17911.7	17836.8	17802.6	17836.8	17911.7	18057.0	18308.1	18639.7	18976.2	19405.5
2.5°	17947.2	17846.0	17773.2	17729.7	17773.2	17846.0	17947.2	18203.0	18492.7	18842.9	19287.9
0°	17993.7	17875.4	17811.6	17784.3	17811.6	17875.4	17993.7	18221.2	18507.9	18849.2	19258.8
-2.5°	18022.4	17900.6	17816.5	17852.6	17816.5	17900.6	18022.4	18233.1	18510.6	18841.4	19228.2
-5°	17967.3	17834.4	17744.7	17775.2	17744.7	17834.4	17967.3	18181.0	18457.9	18782.8	19167.6
-7.5°	17790.6	17624.4	17562.4	17547.7	17562.4	17624.4	17790.6	18003.0	18287.5	18615.3	18992.9
-10°	17404.8	17223.0	17151.5	17129.0	17151.5	17223.0	17404.8	17642.5	17904.7	18229.3	18584.8
-12.5°	16714.1	16552.7	16467.8	16441.9	16467.8	16552.7	16714.1	16947.6	17196.8	17497.8	17845.5
-15°	15724.0	15565.9	15507.6	15481.7	15507.6	15565.9	15724.0	15953.7	16194.2	16476.5	16797.1
-17.5°	14642.7	14485.7	14434.0	14439.6	14434.0	14485.7	14642.7	14818.4	15083.5	15358.7	15654.3
-20°	13877.5	13729.7	13670.3	13688.7	13670.3	13729.7	13877.5	14053.6	14263.8	14489.3	14745.9



REPORT NUMBER: P902114 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	13302.6	13240.9	13155.5	13119.9	13155.5	13240.9	13302.6	13425.2	13634.1	13858.8	14029.4
-25°	12486.2	12221.4	12208.4	12223.4	12208.4	12221.4	12486.2	12517.6	12592.3	12794.6	13002.8
-27.5°	10944.0	10854.1	10883.6	10890.0	10883.6	10854.1	10944.0	11074.9	11102.9	11326.7	11395.2
-30°	10692.1	10629.4	10616.3	10594.2	10616.3	10629.4	10692.1	10789.6	10869.0	11010.4	11121.3
-32.5°	10806.2	10762.1	10742.8	10730.7	10742.8	10762.1	10806.2	10874.2	10940.2	11050.1	11131.2
-35°	10959.4	10927.9	10922.8	10921.8	10922.8	10927.9	10959.4	11048.4	11091.3	11114.2	11183.4
-37.5°	11267.2	11243.0	11240.1	11222.2	11240.1	11243.0	11267.2	11318.3	11349.5	11376.2	11339.6
-40°	11662.6	11628.1	11632.9	11631.7	11632.9	11628.1	11662.6	11707.8	11702.6	11671.4	11623.1
-42.5°	12102.1	12082.3	12084.7	12091.3	12084.7	12082.3	12102.1	12105.2	12099.5	12040.9	11947.8
-45°	12947.1	12919.5	12834.2	12796.7	12834.2	12919.5	12947.1	12858.4	12700.2	12739.3	12955.1
-47.5°	13214.7	13221.4	13196.7	13160.8	13196.7	13221.4	13214.7	13184.0	13186.0	13205.6	13235.8
-50°	13173.9	13138.0	13122.3	13088.0	13122.3	13138.0	13173.9	13250.6	13340.3	13401.9	13571.6
-52.5°	14245.9	14096.0	14019.7	14011.7	14019.7	14096.0	14245.9	14404.7	14538.0	14655.1	15073.5
-55°	15834.1	15461.7	15261.0	15199.5	15261.0	15461.7	15834.1	16403.0	17132.9	16919.2	16674.3
-57.5°	13123.6	13177.8	13193.8	13192.7	13193.8	13177.8	13123.6	13123.2	13704.0	14317.6	14621.4
-60°	13994.4	13958.1	13989.2	14016.3	13989.2	13958.1	13994.4	14120.2	14358.5	14524.1	14716.6
-62.5°	13775.7	13678.6	13647.9	13670.5	13647.9	13678.6	13775.7	13949.3	14326.7	14842.4	15338.0
-65°	8345.1	8210.3	8175.3	8200.5	8175.3	8210.3	8345.1	8633.6	9172.9	9998.5	10959.8
-67.5°	3709.1	3761.6	3727.4	3713.4	3727.4	3761.6	3709.1	3652.3	3683.3	4239.7	5035.5
-70°	2696.8	2715.6	2726.5	2730.5	2726.5	2715.6	2696.8	2676.7	2658.3	2679.1	2743.7
-72.5°	2249.8	2268.3	2255.8	2325.4	2255.8	2268.3	2249.8	2242.7	2181.2	2139.6	2104.3
-75°	1876.1	1888.8	1884.9	1884.0	1884.9	1888.8	1876.1	1857.2	1822.1	1771.2	1718.2
-77.5°	1498.6	1501.2	1496.9	1497.2	1496.9	1501.2	1498.6	1483.6	1446.4	1410.2	1377.5
-80°	1184.7	1178.0	1181.8	1183.2	1181.8	1178.0	1184.7	1175.6	1131.7	1109.8	1087.2
-82.5°	840.5	843.8	842.6	841.9	842.6	843.8	840.5	835.8	824.0	816.1	806.9
-85°	605.5	607.9	603.0	600.7	603.0	607.9	605.5	602.1	589.9	585.2	579.6
-87.5°	357.4	358.6	359.3	345.9	359.3	358.6	357.4	355.7	350.7	336.5	322.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	91.9	90.6	89.7	86.8	101.5	98.3	103.4	108.3	104.6	100.8	112.8
85°	277.5	273.6	277.5	263.9	263.6	255.1	250.0	249.6	259.1	252.4	254.2
82.5°	674.2	655.4	651.4	632.1	599.8	575.8	536.6	504.2	496.6	488.9	483.8
80°	1247.8	1259.4	1253.8	1232.0	1179.8	1102.3	987.6	882.4	869.5	883.6	921.8
77.5°	2348.9	2326.8	2288.0	2272.5	2256.7	2199.0	2103.2	2017.0	2041.1	2085.6	2114.7
75°	4158.6	4187.1	4297.1	4428.2	4455.7	4446.9	4366.5	4344.1	4664.4	4964.3	5170.7
72.5°	7578.9	7796.4	8145.8	8675.2	9183.9	9739.3	10064.5	10168.5	11378.7	12447.5	12464.6
70°	17673.6	18673.1	18259.9	20736.6	24070.9	25868.6	25411.1	26727.8	29141.7	29198.9	28455.4
67.5°	48361.6	50245.9	53180.7	56493.3	57288.3	57889.9	58871.0	58294.0	56051.3	54424.2	52376.8
65°	81382.7	82262.1	83902.4	86266.5	85156.6	84802.7	84980.8	82212.3	78691.1	75979.8	70675.7
62.5°	92417.0	92329.2	93151.1	94923.7	94368.9	93469.1	94001.9	91796.5	88938.7	87127.0	80690.7
60°	84153.8	84215.8	85422.0	86694.6	86905.9	87578.2	87990.6	87248.0	86910.8	84813.7	81749.5
57.5°	70728.2	71571.6	72732.1	73937.3	75010.8	76445.9	77528.5	78331.5	78894.0	78705.0	77123.1
55°	60670.3	62246.3	63607.1	64733.3	66466.2	67846.5	69115.8	71054.0	72020.8	72777.0	72000.3
52.5°	52156.1	53956.2	55100.4	57037.3	58449.2	60518.7	62267.1	64427.5	65987.7	67234.7	66996.5
50°	46160.8	47731.1	49639.4	50917.0	52751.5	54535.2	56809.6	58807.4	61313.3	62200.8	62827.8
47.5°	43094.1	44804.9	46602.4	47953.5	49483.4	51453.6	53504.6	55547.8	57485.5	59151.4	59315.8
45°	40280.2	41807.5	43491.4	44971.2	46319.1	48188.2	50231.7	52150.2	53859.4	55446.5	55850.0
42.5°	38448.7	39880.0	41408.3	43027.5	44280.8	46008.1	48044.4	49798.9	51436.0	52973.4	53795.3
40°	38175.6	39349.2	40844.2	42556.5	43977.6	45505.1	47335.4	49228.7	50748.5	51838.9	52834.6
37.5°	37928.3	38910.4	40449.1	42047.2	43372.5	44946.7	46344.6	48043.7	49495.2	50571.2	51517.5
35°	35870.3	36750.1	37862.4	39504.3	40755.7	41982.9	43408.5	44826.4	46033.0	46941.4	47695.3
32.5°	32613.5	33556.2	34390.5	35778.5	37046.9	38037.9	38989.3	40123.7	41201.7	42027.0	42630.4
30°	30379.2	31211.8	32084.2	33181.0	34318.5	35207.2	36079.5	36962.4	37813.0	38462.1	38937.4
27.5°	28881.1	29580.3	30367.4	31333.4	32385.3	33076.3	33893.4	34684.3	35467.4	36077.6	36486.8
25°	27471.2	28106.2	28823.3	29699.8	30737.5	31241.4	31866.0	32611.8	33439.7	34152.8	34646.6
22.5°	26126.4	26734.5	27384.3	28181.4	29150.6	29687.0	30220.6	30837.6	31605.8	32301.2	32935.0
20°	24900.0	25447.9	26052.6	26748.5	27719.0	28243.3	28762.3	29284.8	30065.6	30791.8	31502.1
17.5°	23689.5	24238.6	24802.1	25449.8	26409.7	26961.3	27524.2	28041.6	28785.2	29605.1	30399.9
15°	22614.8	23128.9	23678.5	24323.3	25234.8	25850.3	26455.6	26964.9	27771.2	28699.7	29564.6
12.5°	21621.4	22140.5	22692.4	23311.3	24293.1	24953.6	25552.9	26169.4	27006.5	28036.2	29021.0
10°	20799.9	21335.6	21912.7	22577.8	23566.8	24255.9	24931.7	25573.6	26476.4	27567.9	28716.9
7.5°	20237.2	20782.3	21363.8	22070.2	23043.4	23805.2	24497.9	25182.1	26182.0	27357.2	28607.0
5°	19925.8	20485.5	21096.7	21747.7	22780.0	23535.6	24240.8	25018.3	26081.4	27304.5	28592.5
2.5°	19802.5	20374.1	20986.3	21663.0	22683.8	23392.6	24129.1	24990.3	26074.7	27301.6	28642.6
0°	19750.3	20310.0	20933.5	21611.5	22662.8	23308.9	24082.6	24965.5	26066.7	27309.1	28706.2
-2.5°	19727.7	20281.1	20899.8	21561.8	22569.0	23136.4	23956.8	24835.0	25953.8	27229.6	28633.2
-5°	19636.8	20160.0	20736.6	21380.9	22319.8	22917.1	23707.8	24529.3	25676.5	26954.0	28350.2
-7.5°	19407.4	19905.6	20413.9	21059.3	21843.8	22451.6	23213.0	24057.0	25207.8	26485.7	27799.7
-10°	18968.9	19393.2	19869.7	20464.9	21161.1	21755.9	22512.9	23350.7	24481.4	25715.3	26958.1
-12.5°	18182.3	18595.3	18986.2	19542.2	20247.1	20771.4	21509.4	22369.7	23424.6	24589.1	25719.0
-15°	17126.1	17461.8	17823.5	18403.4	18966.4	19549.2	20233.7	21118.2	22115.2	23209.0	24230.1
-17.5°	15929.2	16253.7	16618.8	17230.4	17676.2	18278.1	18963.3	19828.9	20794.1	21809.6	22769.3
-20°	15048.2	15406.9	15772.4	16330.3	16736.1	17272.7	17903.1	18760.1	19638.4	20576.1	21412.9



REPORT NUMBER: P902114 (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°
-22.5°	14392.1	14747.3	15120.3	15530.7	15890.3	16366.1	16958.6	17651.3	18404.2	19172.7	19770.3
-25°	13043.1	13335.7	13692.8	13997.7	14251.6	14579.2	15024.2	15459.2	16048.3	16495.9	17079.8
-27.5°	11586.0	11800.4	12091.3	12293.3	12528.4	12833.0	13221.9	13638.6	14127.5	14534.9	14943.0
-30°	11263.6	11427.2	11736.1	11862.9	12026.6	12255.3	12555.5	12872.9	13216.2	13528.9	13920.4
-32.5°	11256.2	11412.0	11628.3	11674.7	11765.9	11932.0	12142.9	12359.4	12578.1	12848.2	12990.4
-35°	11213.0	11380.3	11444.6	11413.8	11463.9	11552.1	11614.4	11743.2	11868.7	12021.3	12065.5
-37.5°	11354.9	11445.2	11415.0	11336.2	11306.4	11330.9	11331.4	11320.0	11364.9	11447.3	11472.2
-40°	11585.2	11641.2	11480.8	11379.7	11288.9	11220.6	11134.0	11038.9	11038.1	11007.9	11058.2
-42.5°	11978.3	11924.3	11712.3	11633.3	11525.7	11448.5	11316.1	11133.9	11111.2	10960.2	10928.0
-45°	12858.0	12698.7	12721.7	12340.4	12364.4	11902.4	11706.0	11384.4	11057.8	10843.8	10671.3
-47.5°	13221.9	13049.7	12839.7	12611.5	12317.4	12017.2	11694.2	11272.0	10929.0	10622.4	10522.0
-50°	13594.1	13484.4	13386.4	13204.2	12879.6	12650.6	12166.3	11729.6	11299.2	10914.0	10801.3
-52.5°	15229.1	15115.0	15209.3	15159.1	14753.1	14620.0	13859.4	13448.8	12730.0	12371.1	11774.3
-55°	17096.0	18031.2	17210.2	17274.2	17376.3	16302.3	16136.0	14723.3	14271.4	12998.5	12345.8
-57.5°	14527.3	14794.4	15592.4	15481.8	15368.3	15436.3	14342.3	14078.1	12995.6	12294.5	11340.1
-60°	15048.5	15245.1	15564.2	15786.8	15517.0	15039.9	14601.2	13393.6	12394.8	11386.9	10445.2
-62.5°	15281.4	15134.9	15036.9	15039.8	14430.1	13580.9	12832.4	11614.8	10421.5	9598.8	8333.0
-65°	11371.6	11223.6	10865.2	10464.7	10060.2	9346.4	8499.0	7832.4	7091.6	6133.8	5376.8
-67.5°	5666.8	5920.1	5815.6	5640.1	5540.1	5154.5	4624.0	4327.9	4065.1	3502.5	2975.5
-70°	2947.0	3233.2	3341.9	3267.8	3195.8	3117.9	2861.6	2554.4	2436.1	2284.0	1988.2
-72.5°	2071.6	2038.1	2027.1	2103.6	2175.3	2100.4	1919.4	1813.7	1776.6	1677.6	1555.3
-75°	1667.2	1632.6	1603.5	1591.9	1577.4	1539.5	1470.7	1399.2	1349.4	1299.6	1241.8
-77.5°	1348.9	1313.4	1299.4	1283.7	1258.2	1221.6	1176.5	1133.7	1093.2	1052.7	1008.7
-80°	1068.2	1042.4	1031.2	1012.0	988.9	974.4	945.9	905.6	872.1	843.9	809.5
-82.5°	796.2	782.2	764.1	750.3	731.9	715.0	700.2	686.1	665.4	640.9	617.7
-85°	573.5	577.3	566.5	559.5	551.3	527.1	508.8	487.7	472.2	446.4	433.1
-87.5°	314.3	312.5	306.9	300.7	294.0	285.8	278.4	270.7	261.4	251.6	241.1
-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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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-VWB-LT

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°	122.9	117.0	115.1	117.4	110.1	113.7	105.0	96.1	87.1	85.6	75.2
85°	264.9	256.6	255.9	250.7	238.0	236.4	215.5	194.1	174.5	171.0	150.3
82.5°	486.2	480.6	474.6	439.3	386.2	372.3	341.0	309.6	283.4	261.2	227.4
80°	952.4	929.4	839.3	799.8	733.5	628.9	525.3	441.0	393.5	353.7	308.3
77.5°	2085.6	1818.7	1799.4	1634.6	1329.8	991.4	758.7	633.3	548.0	463.3	388.2
75°	4742.5	4924.5	5023.9	4168.9	2150.0	1740.5	1381.8	940.7	713.7	614.5	499.5
72.5°	12587.1	13074.6	12071.2	9401.8	7236.7	4223.5	2119.6	1531.2	1030.6	763.9	627.3
70°	28860.5	26650.7	24013.0	21496.1	15218.7	7864.0	4235.2	2236.9	1404.3	1034.2	752.5
67.5°	48258.3	43566.4	38904.2	34057.8	26508.0	15173.1	6476.8	3199.0	1902.6	1312.4	962.7
65°	64871.8	57720.0	50700.6	45787.3	37255.7	22566.2	10759.7	4544.3	2522.5	1666.5	1177.7
62.5°	75239.1	66347.2	58769.1	52146.3	45317.6	32306.8	15792.8	6823.6	3287.5	2124.6	1382.1
60°	76553.9	69298.3	61837.1	55477.1	49430.6	39359.4	23786.5	9826.5	4727.8	2544.6	1674.0
57.5°	73435.1	68289.6	61623.3	56132.2	51250.9	43907.7	30236.0	15545.4	6002.5	3383.0	1938.6
55°	69537.8	65661.3	60368.9	55195.0	51770.7	46495.1	35628.1	20359.3	9561.1	4319.8	2199.7
52.5°	65385.0	62328.7	58291.3	53972.7	50894.8	48080.6	40261.9	26213.9	13192.5	5292.9	2994.1
50°	61618.9	59063.4	55739.1	52289.9	49874.3	48286.5	43544.1	32423.2	17270.4	8515.5	3844.0
47.5°	58331.7	56388.6	53477.2	50428.1	48297.3	47738.3	46466.5	37118.2	23445.1	11613.5	4681.8
45°	55247.1	53597.3	51152.9	48658.8	46882.4	46608.8	46200.0	41125.8	29387.0	14781.2	6490.1
42.5°	53084.9	51672.3	49529.1	47429.1	45973.9	45629.3	46561.8	44459.3	34257.5	20081.6	9181.0
40°	52614.5	51186.7	49156.1	47019.3	45539.7	45279.2	46516.5	45927.2	38639.1	25254.1	11760.4
37.5°	51380.7	50056.3	48298.6	46312.2	45072.7	44926.2	46339.7	47403.3	43129.9	30267.8	14225.9
35°	48026.0	46970.2	45620.8	44243.7	43567.3	43516.1	45056.3	47907.8	45795.1	34187.2	17468.7
32.5°	43262.0	42912.8	41867.2	40963.6	40754.2	41265.1	43004.1	46044.7	46239.1	37241.8	21026.6
30°	39370.3	39492.5	39033.4	38409.2	38205.2	39232.9	40978.9	44232.1	46304.6	39942.5	24315.6
27.5°	36990.0	37302.5	37047.7	36848.8	36934.4	37690.0	39654.8	42753.3	46457.9	42487.1	27423.1
25°	35046.6	35666.1	35579.8	35741.9	35966.2	37073.4	38857.1	42109.0	45946.9	44670.1	30336.7
22.5°	33467.0	34280.7	34500.5	34786.3	35414.5	36511.3	38535.1	41564.8	45356.8	45047.0	32575.1
20°	32113.1	33029.7	33700.4	34303.7	34984.2	36293.1	38237.2	41184.2	44896.5	45203.4	34104.9
17.5°	31139.0	32115.3	33145.9	33933.6	34952.4	36229.8	38153.5	40901.1	44429.9	45133.9	35407.7
15°	30450.0	31588.5	32800.7	33736.4	34969.8	36368.1	38218.2	40648.8	43916.7	45041.8	36292.7
12.5°	30023.8	31299.9	32643.7	33833.2	35084.8	36508.2	38252.6	40494.8	43535.5	44572.2	36675.0
10°	29852.5	31218.1	32752.1	34032.1	35302.6	36656.3	38333.7	40309.7	42852.7	43802.1	36791.9
7.5°	29859.7	31273.8	33025.5	34296.1	35583.1	36815.2	38281.6	39983.4	42204.9	42998.6	36596.9
5°	29955.2	31416.7	33341.2	34571.3	35845.4	37000.1	38266.9	39665.1	41412.9	41857.3	35881.1
2.5°	30054.2	31568.1	33621.0	34819.6	36047.2	37061.3	38040.3	39083.0	40377.9	40577.1	34939.7
0°	30103.2	31655.0	33780.3	35022.6	36210.3	37097.7	37825.9	38544.9	39386.8	39245.7	33803.0
-2.5°	29997.0	31530.6	33465.6	34685.9	35772.1	36538.6	36970.1	37373.7	37876.2	37503.7	32478.8
-5°	29669.0	31156.8	32835.1	33997.9	35052.3	35791.4	36060.7	36194.9	36357.1	35706.8	31036.6
-7.5°	29061.9	30478.5	31904.7	32973.4	33937.1	34517.5	34598.8	34645.4	34741.6	33937.1	29522.5
-10°	28119.5	29471.9	30685.6	31557.2	32325.9	32869.9	33033.5	33004.8	33053.6	32388.9	28425.2
-12.5°	26836.1	28118.4	29049.1	29868.4	30487.6	30866.0	31071.0	31315.5	31383.8	30865.8	27438.0
-15°	25300.5	26391.6	27259.5	27963.7	28465.8	28845.3	29132.9	29638.7	30038.0	29437.0	26501.1
-17.5°	23719.6	24722.7	25443.3	26085.3	26516.8	26801.9	27370.2	27988.7	28675.1	28058.5	25469.5
-20°	22274.7	23062.6	23706.2	24081.7	24580.8	24690.3	25571.6	26189.5	26876.0	26645.8	24369.8



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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°	20444.5	21011.8	21248.6	21778.9	21873.3	22351.8	22959.8	24155.0	24761.5	25095.5	23359.8
-25°	17672.0	17818.9	18309.0	18691.0	18898.7	19644.8	20257.6	21901.0	22624.9	23571.5	22167.5
-27.5°	15290.9	15645.9	15903.9	16237.4	16814.3	17217.4	18577.9	19921.4	21336.3	22240.7	20782.3
-30°	14091.1	14345.8	14541.2	14921.8	15282.2	16142.5	17417.1	18839.8	20321.7	21247.0	19348.6
-32.5°	13158.6	13343.2	13538.9	13904.4	14416.7	15310.6	16642.4	18068.2	19412.4	20405.9	17871.4
-35°	12222.3	12404.2	12639.4	12986.4	13522.3	14658.0	16023.0	17285.4	18673.5	19551.1	16258.9
-37.5°	11549.8	11718.3	11997.1	12459.9	13191.1	14229.9	15423.7	16669.8	17822.6	18104.8	14176.2
-40°	11146.9	11356.7	11712.3	12162.9	12966.4	13895.6	14913.5	15969.2	16771.9	15959.6	11723.6
-42.5°	11015.1	11204.3	11453.8	11934.9	12610.5	13403.1	14261.5	15180.5	15556.8	13797.4	9339.1
-45°	10742.9	10865.7	11099.9	11598.6	12053.1	12608.3	13273.7	13828.2	13752.3	11620.0	7024.8
-47.5°	10536.8	10579.0	10731.5	11045.2	11461.2	11905.7	12435.1	12411.9	11434.1	9122.5	5311.0
-50°	10633.7	10660.1	10824.5	10953.8	11328.8	11416.8	11119.2	10752.4	9248.1	6811.1	4220.6
-52.5°	11546.6	11244.5	11234.5	11150.8	10865.1	10638.7	9491.1	8344.6	7022.7	4611.3	3206.1
-55°	11629.9	11297.6	10910.9	10335.0	9858.1	8695.1	7548.2	6107.1	5015.9	3593.0	2323.2
-57.5°	10866.4	10303.3	9439.8	8789.5	7655.1	6618.3	5448.4	4437.9	3403.9	2703.3	1931.9
-60°	9618.2	8504.0	7494.3	6505.1	5511.0	4566.0	3725.2	2772.9	2456.4	1963.4	1502.3
-62.5°	7259.1	6168.9	5160.3	4436.5	3557.5	3039.7	2349.3	1888.3	1515.6	1451.7	1067.1
-65°	4436.2	3629.4	3265.9	2496.6	2368.4	1935.7	1683.6	1409.2	1159.8	1014.5	876.2
-67.5°	2679.4	2301.8	2063.9	1897.8	1651.0	1492.5	1300.5	1118.2	935.8	789.4	705.2
-70°	1862.2	1730.7	1574.9	1475.6	1340.0	1188.5	1057.6	898.3	771.3	674.6	562.4
-72.5°	1467.3	1377.4	1282.5	1179.8	1085.2	976.5	843.2	746.8	657.6	566.9	493.7
-75°	1175.1	1107.3	1034.3	958.3	873.0	796.1	711.1	623.1	551.5	487.8	425.4
-77.5°	950.3	886.7	830.3	781.8	723.4	644.7	583.8	517.6	460.2	406.5	357.9
-80°	767.2	729.5	678.8	630.5	576.4	516.3	472.5	418.8	370.8	328.1	290.6
-82.5°	588.1	550.3	512.1	469.2	426.1	394.7	360.6	323.7	290.6	251.1	222.9
-85°	406.2	376.0	356.7	328.0	300.7	281.4	248.4	228.5	208.2	171.0	150.3
-87.5°	219.7	204.7	193.8	176.1	158.9	147.7	126.0	115.3	104.4	85.6	75.2
-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):

	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°	64.8	54.2	47.4	35.6	23.8	11.9	0.0
85°	129.4	108.4	94.7	71.2	47.5	23.8	0.0
82.5°	193.8	162.7	141.8	106.6	71.2	35.6	0.0
80°	260.3	216.9	188.7	141.8	94.7	47.4	0.0
77.5°	326.3	270.2	232.4	176.8	118.0	59.1	0.0
75°	391.3	322.7	270.5	211.4	141.1	70.6	0.0
72.5°	485.7	374.2	308.0	239.5	164.0	82.1	0.0
70°	587.8	438.6	344.8	265.4	186.5	93.3	0.0
67.5°	686.7	516.3	380.8	290.4	208.7	104.4	0.0
65°	814.8	591.5	427.2	314.5	226.5	115.3	0.0
62.5°	972.0	663.9	482.5	337.6	240.7	126.0	0.0
60°	1119.4	756.1	536.2	359.6	254.7	136.5	0.0
57.5°	1256.3	872.4	588.2	381.9	268.2	146.6	0.0
55°	1481.5	984.4	638.3	420.3	281.4	156.6	0.0
52.5°	1711.3	1091.8	693.7	457.9	294.3	166.2	0.0
50°	1937.5	1195.4	775.6	494.8	306.7	175.4	0.0
47.5°	2231.6	1384.2	854.7	530.7	318.6	184.4	0.0
45°	2930.9	1569.6	932.3	565.8	330.1	193.0	0.0
42.5°	3597.8	1750.9	1006.6	599.8	341.1	201.2	0.0
40°	4219.8	1927.7	1077.6	633.1	351.6	209.1	0.0
37.5°	4780.5	2099.5	1145.0	664.8	361.5	216.6	0.0
35°	6124.6	2443.2	1253.7	708.7	378.6	221.9	0.0
32.5°	7821.1	2855.6	1375.7	756.4	397.4	226.3	0.0
30°	9334.6	3241.8	1489.9	802.4	415.0	230.4	0.0
27.5°	10722.3	3600.9	1614.7	846.5	431.2	234.2	0.0
25°	11955.8	3932.1	1738.1	888.5	446.2	237.8	0.0
22.5°	13021.2	4256.0	1857.7	928.2	459.8	241.0	0.0
20°	14259.3	4607.0	1972.6	965.4	472.0	243.8	0.0
17.5°	15989.7	4935.7	2082.0	1000.3	482.9	246.4	0.0
15°	17425.1	5419.8	2185.2	1032.4	492.4	248.6	0.0
12.5°	18551.3	6027.6	2313.5	1061.4	500.4	250.5	0.0
10°	19381.6	6594.2	2449.5	1087.1	507.0	252.1	0.0
7.5°	19942.3	7113.5	2579.8	1109.2	512.2	253.3	0.0
5°	20220.6	7530.3	2702.0	1127.4	515.8	254.1	0.0
2.5°	20239.8	7849.8	2813.7	1141.5	518.1	254.7	0.0
0°	20032.4	8077.5	2912.5	1151.3	518.8	254.8	0.0
-2.5°	19859.4	8364.0	2987.2	1147.4	517.1	254.7	0.0
-5°	19532.4	8565.3	3043.9	1138.9	514.0	254.1	0.0
-7.5°	19090.9	8682.3	3080.0	1125.8	509.4	253.3	0.0
-10°	18636.8	8716.1	3093.3	1108.0	503.5	252.1	0.0
-12.5°	18307.9	8597.5	3081.2	1085.6	496.3	250.5	0.0
-15°	17924.4	8288.2	3009.2	1058.6	487.7	248.6	0.0
-17.5°	17508.9	7967.8	2828.4	1027.0	477.9	246.4	0.0
-20°	16942.6	7636.6	2636.0	989.5	466.8	243.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	16039.2	7203.0	2433.3	944.4	454.6	241.0	0.0
-25°	14927.1	6525.0	2221.7	896.8	441.3	237.8	0.0
-27.5°	13623.7	5739.3	2002.6	847.1	426.8	234.2	0.0
-30°	12082.1	4917.5	1777.8	795.4	411.4	230.4	0.0
-32.5°	10271.8	4062.6	1555.9	742.1	395.0	226.3	0.0
-35°	8384.5	3177.6	1334.0	687.3	377.6	221.9	0.0
-37.5°	6758.8	2497.2	1158.4	639.2	361.5	216.6	0.0
-40°	5672.4	2240.4	1083.0	609.6	351.6	209.1	0.0
-42.5°	4613.4	1978.0	1005.2	579.2	341.1	201.2	0.0
-45°	3582.1	1710.7	925.2	548.3	330.1	193.0	0.0
-47.5°	2576.5	1438.9	843.3	516.0	318.6	184.4	0.0
-50°	2166.8	1164.3	760.6	482.5	306.7	175.4	0.0
-52.5°	1859.3	1059.6	675.9	447.7	294.3	166.2	0.0
-55°	1556.0	955.0	620.7	411.8	281.4	156.6	0.0
-57.5°	1239.7	840.1	571.0	374.9	268.2	146.6	0.0
-60°	1054.7	714.9	519.4	352.9	254.7	136.5	0.0
-62.5°	871.4	616.5	465.9	331.4	240.7	126.0	0.0
-65°	689.9	546.0	410.7	309.1	226.5	115.3	0.0
-67.5°	566.8	475.9	364.5	286.1	208.7	104.4	0.0
-70°	496.7	406.1	328.8	262.4	186.5	93.3	0.0
-72.5°	428.9	349.3	292.0	238.1	164.0	82.1	0.0
-75°	365.5	304.0	254.2	211.4	141.1	70.6	0.0
-77.5°	309.4	258.7	215.8	176.8	118.0	59.1	0.0
-80°	252.3	213.3	173.9	141.8	94.7	47.4	0.0
-82.5°	193.8	162.0	130.4	106.6	71.2	35.6	0.0
-85°	129.4	108.2	86.9	71.2	47.5	23.8	0.0
-87.5°	64.8	54.1	43.5	35.6	23.8	11.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)