

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: P902081 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-A35-WNB-LTM**

Issue Date: 11/13/2024

Test Information

Test Method: LM-79-08
Report Number: P902081 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVM2K49500)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A35-WNB-LTM
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A35-WNB-LTM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

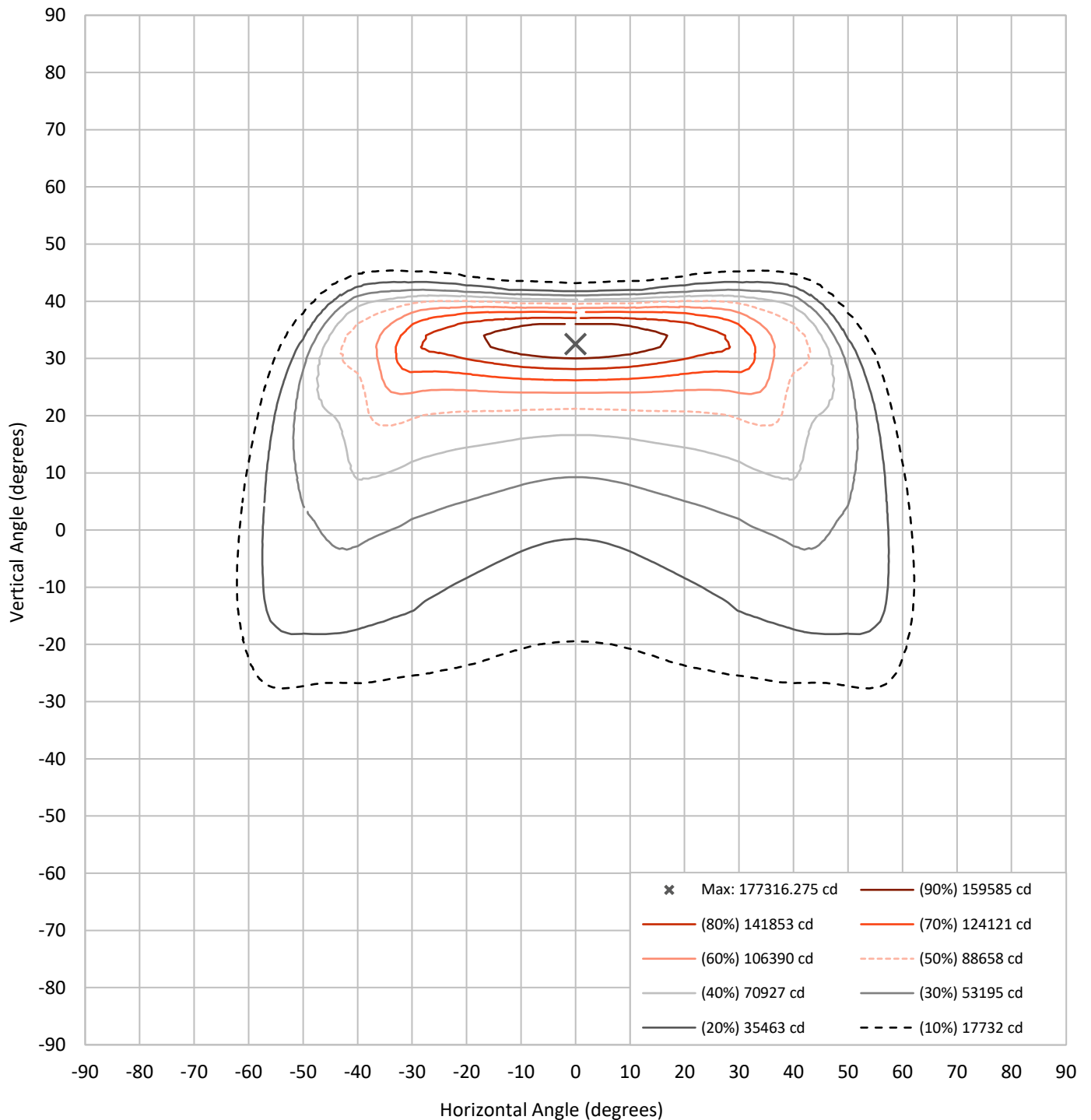
Lumens per Lamp:	N/A	NEMA Type:	6H x 4V
Luminaire Lumens:	137301.7 lumens	Max Intensity:	177316.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 32.5°V
Efficacy:	97.2 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		

Beam Angle (50%):	86.1°H x 18.4°V	Field Angle (10%):	108°H x 61.9°V
Beam Lumens:	55135.3 lumens	Field Lumens:	128189.3 lumens
Beam Efficiency:	40.2%	Field Efficiency:	93.4%

Input Watts (W): 1413
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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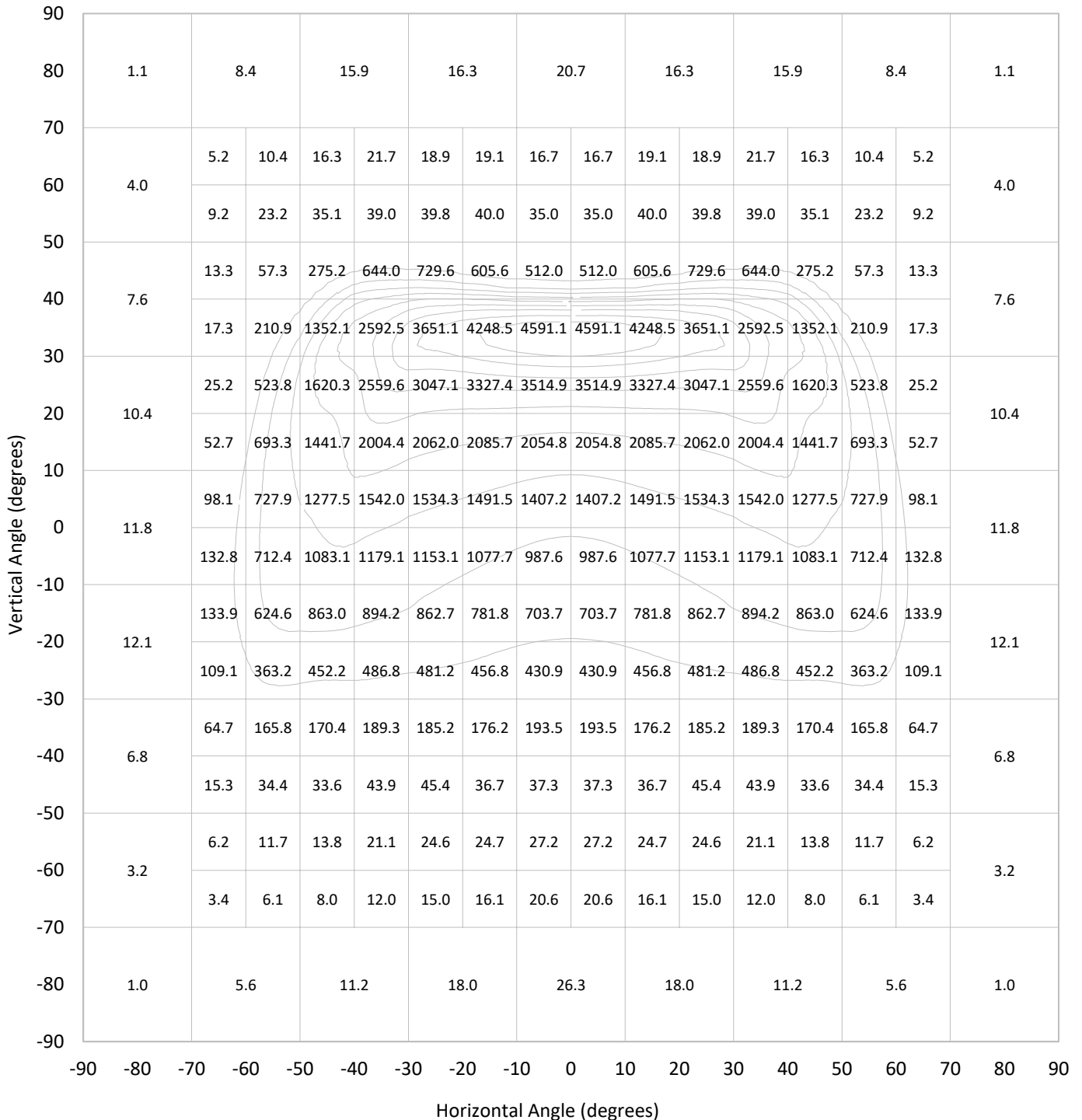
Iso-Candela Plot





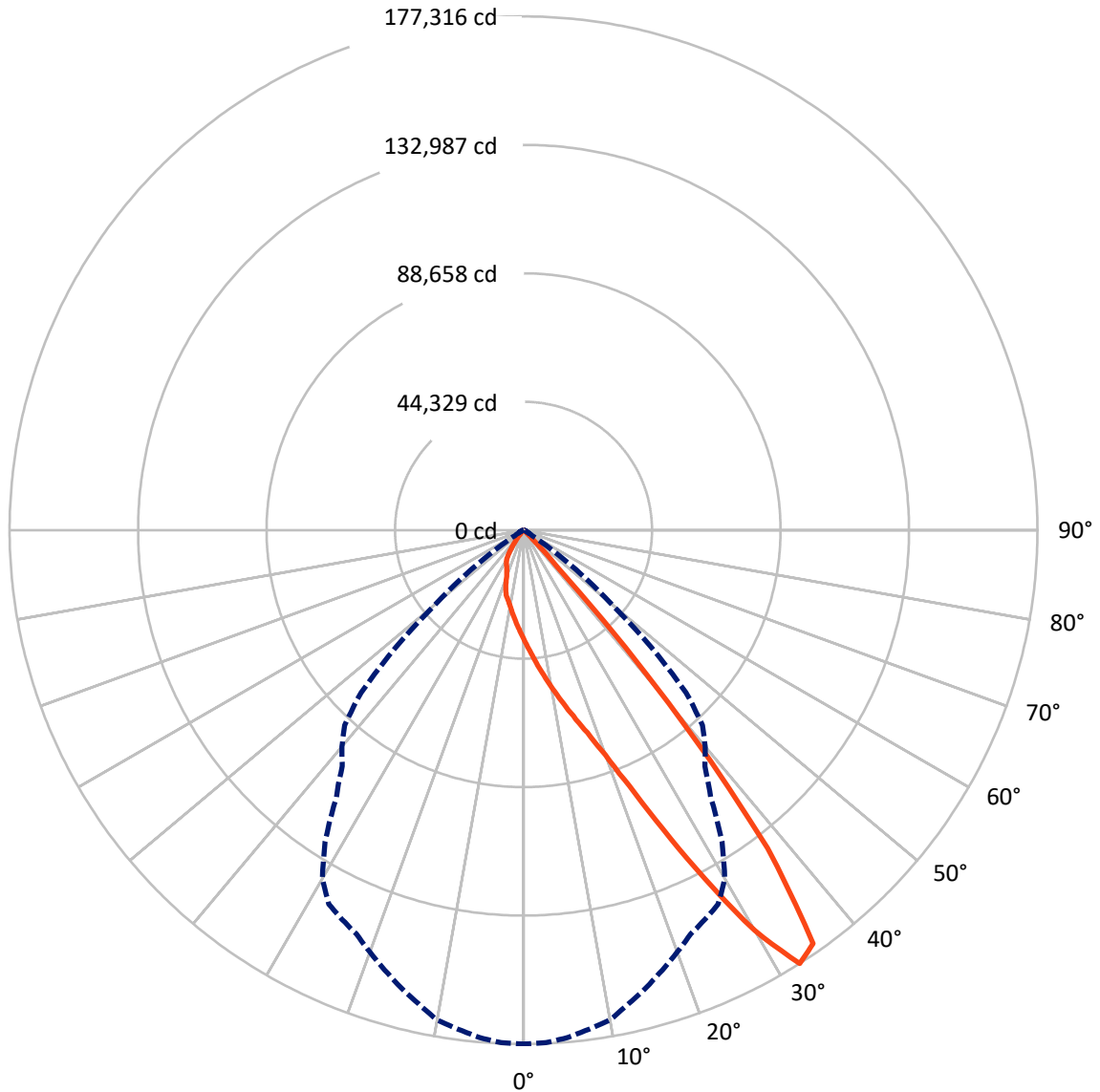
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Lumen Table



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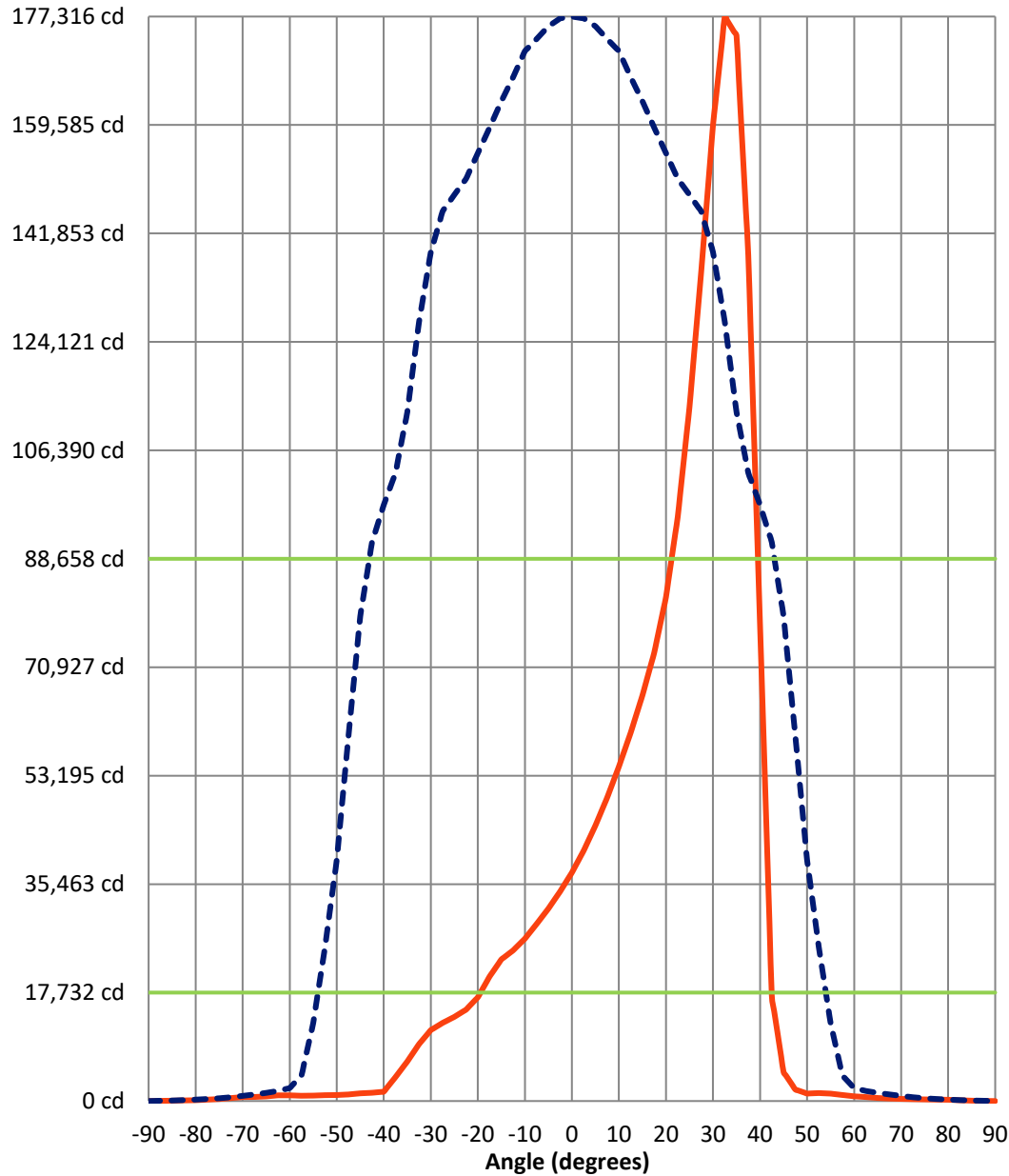
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 32.5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 86.1°
 V Angle: 18.4°
 Lumens: 55135.3
 Efficiency: 40.2%

Field:
 H Angle: 108°
 V Angle: 61.9°
 Lumens: 128189.3
 Efficiency: 93.4%

Spill:
 Lumens: 9112.3
 Efficiency: 6.6%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 32.5-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	2.6	5.2	7.7	10.3	12.8	15.9	18.5	15.6	17.4	19.2
85°	0.0	5.2	10.3	15.4	20.5	25.6	31.7	36.9	31.4	34.8	39.9
82.5°	0.0	7.7	15.4	23.1	30.7	38.3	47.4	54.9	54.2	63.8	73.4
80°	0.0	10.3	20.5	30.7	40.9	50.0	58.9	72.0	80.2	93.9	107.1
77.5°	0.0	12.8	25.6	38.3	50.0	59.2	69.8	88.4	106.1	124.4	141.9
75°	0.0	15.3	30.6	45.8	57.4	68.3	80.6	109.8	133.4	154.8	178.4
72.5°	0.0	17.8	35.5	52.1	64.8	77.3	101.4	134.6	160.6	189.9	220.0
70°	0.0	20.2	40.4	58.1	72.2	91.4	125.3	159.6	192.9	227.0	265.8
67.5°	0.0	22.6	45.2	64.0	79.6	111.1	148.8	187.2	225.3	269.4	320.7
65°	0.0	25.0	49.5	69.8	90.6	130.3	172.2	214.8	259.7	317.6	381.5
62.5°	0.0	27.3	53.3	75.6	104.2	149.0	195.4	241.8	296.1	368.8	459.3
60°	0.0	29.6	56.9	81.2	117.1	166.7	218.1	268.7	329.6	430.4	535.4
57.5°	0.0	31.8	60.4	87.0	129.0	182.7	240.2	294.0	371.4	484.6	610.4
55°	0.0	33.9	63.8	95.1	140.1	197.5	261.3	319.1	414.5	541.6	677.9
52.5°	0.0	36.0	67.0	102.8	150.6	211.2	281.4	355.5	456.8	602.0	750.0
50°	0.0	38.0	70.0	110.2	162.4	225.3	301.8	391.1	514.2	664.2	820.4
47.5°	0.0	39.9	72.9	117.3	174.3	244.0	323.3	424.5	568.6	723.8	895.1
45°	0.0	41.8	75.6	124.0	186.1	261.9	347.9	460.7	617.4	781.0	971.5
42.5°	0.0	43.6	78.1	130.4	197.1	278.9	369.8	497.1	664.5	843.3	1051.2
40°	0.0	45.3	80.4	136.4	207.4	294.9	390.2	529.5	710.6	908.0	1139.6
37.5°	0.0	46.9	82.5	142.2	216.8	310.0	410.6	558.1	755.5	967.4	1215.4
35°	0.0	48.1	85.6	148.7	226.5	324.4	433.0	589.8	801.0	1024.9	1278.2
32.5°	0.0	49.2	88.9	155.0	235.7	338.0	453.8	623.8	845.2	1080.4	1336.5
30°	0.0	50.2	92.1	160.8	243.9	351.1	470.6	654.0	885.1	1129.2	1386.2
27.5°	0.0	51.1	95.3	166.0	252.0	363.6	487.1	680.3	917.7	1171.2	1427.6
25°	0.0	51.9	98.3	170.6	259.7	375.4	502.9	702.7	944.4	1203.9	1494.2
22.5°	0.0	52.7	101.0	174.7	266.9	386.0	517.4	724.1	968.5	1229.3	1551.5
20°	0.0	53.3	103.5	178.2	273.4	393.6	532.5	742.8	990.1	1253.2	1622.9
17.5°	0.0	53.9	105.7	181.5	279.4	399.2	549.2	757.8	1011.5	1282.2	1695.9
15°	0.0	54.5	107.6	184.5	284.7	403.7	563.3	772.6	1030.5	1320.0	1857.8
12.5°	0.0	54.9	109.2	187.1	288.0	408.0	574.8	788.8	1050.3	1356.4	2200.1
10°	0.0	55.3	110.5	189.2	289.8	412.6	583.9	802.0	1069.0	1438.4	2626.7
7.5°	0.0	55.6	111.5	190.8	290.6	416.9	591.4	812.5	1083.3	1543.5	3186.4
5°	0.0	55.8	112.3	192.0	290.5	419.6	597.1	821.0	1101.3	1682.9	3778.7
2.5°	0.0	55.9	112.7	192.7	289.5	420.9	600.5	826.1	1118.1	1862.3	4504.3
0°	0.0	56.0	112.9	192.9	287.6	420.5	601.6	827.8	1130.4	2024.1	5167.8
-2.5°	0.0	55.9	112.7	191.3	287.2	419.6	602.4	843.0	1200.9	2307.5	5881.2
-5°	0.0	55.8	112.3	189.2	286.0	417.1	600.7	853.9	1263.4	2539.4	6456.9
-7.5°	0.0	55.6	111.5	186.7	283.9	413.0	596.5	859.6	1347.8	2834.2	7000.7
-10°	0.0	55.3	110.5	183.9	280.8	407.1	589.0	873.6	1510.5	3139.2	7397.1
-12.5°	0.0	54.9	109.2	180.8	276.7	398.9	577.2	879.4	1635.2	3391.8	7516.3
-15°	0.0	54.5	107.6	177.5	271.4	388.3	562.4	871.1	1773.0	3743.9	7421.6
-17.5°	0.0	53.9	105.7	173.9	264.7	377.8	544.5	854.4	1900.9	4036.1	7450.2
-20°	0.0	53.3	103.5	170.3	257.4	367.5	524.5	822.6	1914.4	4309.2	7535.5



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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-LTM

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	52.7	101.0	166.8	249.5	356.2	506.5	766.1	1769.3	4513.7	7633.2
-25°	0.0	51.9	98.3	162.8	241.0	343.8	487.7	720.1	1429.6	4601.5	7752.1
-27.5°	0.0	51.1	95.3	158.4	232.0	330.4	466.3	690.6	1265.3	4053.7	7810.5
-30°	0.0	50.2	92.1	153.5	222.4	315.9	442.1	653.9	1135.9	3294.0	7056.4
-32.5°	0.0	49.2	88.5	148.2	211.4	300.5	414.6	609.8	989.5	2490.9	5699.3
-35°	0.0	48.1	84.8	142.4	199.6	284.2	383.9	553.6	840.4	1624.2	3862.6
-37.5°	0.0	46.9	81.3	136.2	188.4	267.3	355.0	495.0	724.0	1173.3	2505.9
-40°	0.0	45.3	78.9	129.8	179.5	250.8	332.5	450.2	638.7	988.3	1769.5
-42.5°	0.0	43.6	76.4	123.3	170.3	234.1	309.2	407.2	555.2	797.4	1195.0
-45°	0.0	41.8	73.8	116.8	161.0	217.1	285.2	366.4	474.1	653.3	944.6
-47.5°	0.0	39.9	71.1	110.2	151.5	199.8	260.4	333.5	430.6	566.0	765.6
-50°	0.0	38.0	68.3	103.4	142.2	182.5	239.9	305.5	387.0	483.2	623.2
-52.5°	0.0	36.0	65.3	96.5	132.9	171.1	220.7	277.0	343.5	427.2	539.1
-55°	0.0	33.9	62.3	89.5	124.1	160.0	202.0	248.9	310.6	380.9	447.8
-57.5°	0.0	31.8	59.1	82.5	115.2	148.5	183.6	227.5	277.7	335.8	388.9
-60°	0.0	29.6	55.9	77.4	106.0	136.6	168.9	205.8	246.2	299.6	331.4
-62.5°	0.0	27.3	52.6	72.5	96.6	124.6	153.9	183.8	221.7	262.3	292.0
-65°	0.0	25.0	49.2	67.4	87.0	112.6	138.5	165.9	196.5	230.1	260.1
-67.5°	0.0	22.6	45.2	62.2	78.6	100.4	123.3	147.4	171.9	197.2	222.6
-70°	0.0	20.2	40.4	57.0	71.6	87.9	108.4	128.7	146.5	165.3	184.4
-72.5°	0.0	17.8	35.5	51.6	64.5	77.3	93.3	111.1	120.7	136.6	152.7
-75°	0.0	15.3	30.6	45.8	57.3	68.3	78.7	93.3	103.3	112.6	122.7
-77.5°	0.0	12.8	25.6	38.3	50.0	59.2	65.8	75.7	86.6	95.6	99.8
-80°	0.0	10.3	20.5	30.7	40.9	50.0	52.6	58.4	67.8	77.4	79.5
-82.5°	0.0	7.7	15.4	23.1	30.7	38.3	39.2	40.8	47.8	55.0	58.2
-85°	0.0	5.2	10.3	15.4	20.5	25.6	26.0	26.1	29.6	33.1	36.8
-87.5°	0.0	2.6	5.2	7.7	10.3	12.8	13.0	13.0	14.8	16.5	18.3
-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°	21.0	21.6	23.2	23.5	23.5	23.4	20.1	17.7	18.4	19.1	19.8
85°	46.2	50.5	51.0	52.6	50.2	48.1	41.6	37.1	38.4	40.0	41.5
82.5°	82.8	90.2	84.0	87.7	88.0	90.3	81.8	76.1	76.9	71.4	72.1
80°	119.8	130.0	126.6	132.0	141.0	151.7	142.1	132.8	132.2	123.0	118.2
77.5°	157.4	171.4	175.5	182.6	194.6	219.8	215.3	206.6	199.1	185.5	175.0
75°	201.1	220.7	230.1	241.3	253.9	279.9	291.7	295.3	290.6	265.9	245.2
72.5°	246.6	281.0	301.8	310.9	325.9	361.7	387.2	406.9	442.3	424.1	366.5
70°	311.8	352.3	376.6	389.4	411.8	453.9	524.0	588.2	630.2	660.2	639.6
67.5°	378.9	437.4	456.3	468.9	489.5	545.3	703.2	730.5	732.2	821.5	784.3
65°	463.1	536.2	555.4	555.1	592.6	655.4	824.0	752.5	727.0	836.9	939.4
62.5°	558.5	667.2	682.3	692.5	723.8	784.2	840.8	797.7	707.5	810.2	997.1
60°	671.2	791.6	832.8	854.7	882.4	921.1	944.7	950.5	921.8	975.5	1135.5
57.5°	763.9	903.4	995.9	1039.6	1078.9	1098.6	1139.0	1190.4	1223.2	1251.1	1291.9
55°	842.4	1018.6	1162.2	1254.8	1354.2	1423.5	1475.9	1525.4	1527.0	1487.5	1484.1
52.5°	921.9	1122.3	1327.5	1529.8	1772.3	2029.7	2028.7	1944.7	1924.1	1846.4	1833.7
50°	1008.6	1248.3	1515.4	1908.1	2529.1	2898.6	2883.1	2871.3	2780.3	2764.4	2767.3
47.5°	1096.6	1379.3	1759.2	2389.8	3321.6	3924.6	4333.6	4708.5	4817.5	5664.4	6092.5
45°	1207.2	1515.8	1955.2	2738.7	4081.9	5412.1	6550.0	7665.9	10856.5	14482.8	15702.7
42.5°	1315.1	1627.6	2120.7	3146.3	5301.8	7456.4	9839.8	16366.3	25833.7	34403.7	41475.3
40°	1407.1	1714.0	2257.0	3516.5	6995.3	11299.5	19245.8	32171.4	48374.8	64075.7	70357.3
37.5°	1483.8	1798.1	2457.9	5154.9	11287.5	18869.1	31872.0	51374.6	71654.9	82570.2	89051.3
35°	1557.4	1915.4	2749.8	6783.9	17210.0	28395.3	47428.5	69150.6	84873.2	93602.8	99593.9
32.5°	1650.6	2128.1	4186.3	12762.6	25151.8	39423.0	59713.3	79266.2	91347.5	97468.9	102723.6
30°	1747.1	2374.7	5612.2	19061.0	31957.2	48313.2	68668.7	83032.7	90109.6	93848.7	100225.2
27.5°	1868.2	3132.2	9478.7	24510.1	38167.4	54366.3	71045.3	81149.5	85492.8	88868.4	97028.4
25°	2059.3	4382.7	14245.9	29665.1	42654.4	58649.5	71817.7	78190.9	80298.8	83927.0	94477.1
22.5°	2299.5	5643.4	18634.7	34712.9	45954.5	60439.9	70148.4	74177.7	76223.8	81708.7	92438.9
20°	2582.6	7196.8	22694.2	37299.1	48556.4	60741.3	67826.9	70485.1	72700.4	79501.8	90224.9
17.5°	3205.1	10683.1	26412.4	39083.5	50162.2	60569.0	65686.5	67632.5	71072.6	78873.6	86067.9
15°	4363.8	13958.9	29471.6	40209.6	50918.1	59252.3	63248.7	65437.2	69917.8	78204.2	82615.3
12.5°	5737.9	16905.9	31800.0	40927.6	50647.5	57650.5	61091.1	63562.6	68734.3	75967.0	77731.4
10°	7118.4	19599.4	33385.1	41533.8	50219.4	56225.1	59162.1	61910.4	67545.5	72655.4	72856.1
7.5°	8723.9	21911.2	33976.5	41949.7	49809.5	54864.3	57411.9	60484.9	65695.3	68943.2	68051.3
5°	10282.5	23811.9	34498.1	42364.5	49310.1	53548.9	55724.5	58895.1	63316.5	65035.8	63418.5
2.5°	11938.2	25296.5	34983.4	42609.2	48742.2	52257.1	54108.8	57134.9	60579.8	61076.1	59167.8
0°	13427.0	26383.4	35379.2	42716.0	48123.6	50939.1	52498.2	55199.5	57505.0	57106.3	55211.8
-2.5°	14639.6	26940.8	35671.2	42636.2	47316.5	49608.2	50986.4	53163.0	54526.7	53564.8	51699.4
-5°	15570.7	27167.4	35747.0	42333.6	46365.0	48206.0	49387.9	51058.1	51556.2	50298.1	48451.4
-7.5°	16044.5	27013.8	35631.6	41884.9	45298.0	46709.1	47657.3	48762.7	48720.2	47261.9	45489.7
-10°	16230.1	26686.8	35358.6	41367.3	44190.1	45231.5	45871.6	46404.7	46053.0	44440.1	42615.7
-12.5°	15918.8	26177.9	34630.2	40729.2	43379.0	43825.7	44259.4	44596.0	43941.5	42338.1	40493.3
-15°	15268.5	24735.9	33162.8	39133.6	41248.4	41804.0	41859.7	42129.9	41423.2	40170.9	38462.7
-17.5°	13781.5	22742.5	30122.9	35059.8	37127.8	36925.4	37356.4	37137.1	36619.6	35341.4	33937.3
-20°	12714.7	19967.8	26142.2	30343.8	31336.2	31096.0	30687.7	30834.4	30299.9	29284.5	28224.0



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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-LTM

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	12042.3	17592.7	22569.5	25688.4	26269.8	25503.8	25077.4	25139.5	25004.8	24528.8	23672.1
-25°	11533.8	15787.6	19556.3	21572.5	21779.7	21059.1	20459.4	20386.6	20590.7	20592.6	20086.7
-27.5°	11028.8	14355.4	16761.5	17949.8	17896.0	17361.9	16718.5	16337.0	16368.7	16462.3	16398.8
-30°	10663.9	13058.8	14506.5	14836.9	14651.8	14135.8	13625.1	13208.3	12976.8	12947.5	13008.5
-32.5°	9705.9	12058.6	12513.3	12227.1	11726.4	11279.7	10838.4	10495.0	10290.0	10202.5	10100.6
-35°	8091.3	10366.1	10655.3	9687.2	8978.0	8456.8	8000.3	7680.8	7550.4	7513.6	7524.1
-37.5°	5817.7	7680.2	7855.5	7089.2	6273.9	5770.2	5330.2	4972.6	4883.1	4903.5	4968.0
-40°	3402.0	4803.2	4992.5	4569.8	4046.7	3613.2	3248.3	2997.9	2835.4	2810.5	2940.8
-42.5°	1738.1	2735.9	2964.6	2596.5	2259.0	2077.7	1948.2	1887.0	1851.2	1901.9	1983.0
-45°	1302.6	1658.7	1722.0	1563.2	1433.9	1353.1	1334.2	1283.0	1310.7	1450.5	1519.6
-47.5°	1005.9	1178.0	1202.2	1140.4	1058.7	1029.0	1066.7	1059.1	994.1	1098.2	1169.9
-50°	828.5	977.6	1018.3	964.2	908.0	859.1	884.1	869.0	800.6	875.3	980.1
-52.5°	686.8	811.5	838.0	811.2	785.0	742.0	735.1	709.9	689.5	749.3	850.7
-55°	551.7	618.7	629.6	642.7	639.1	640.6	635.2	608.0	616.1	672.6	767.2
-57.5°	445.0	484.8	530.7	542.1	549.1	555.1	552.8	535.6	551.9	603.9	710.6
-60°	377.7	417.3	456.1	480.5	481.5	484.4	475.2	474.2	491.5	531.2	647.4
-62.5°	327.4	362.4	393.8	420.5	426.6	422.0	416.2	420.4	430.8	452.2	515.7
-65°	285.0	314.5	336.5	362.0	368.4	363.0	357.6	369.3	381.6	386.9	412.1
-67.5°	243.0	264.7	279.9	293.5	306.3	302.0	301.4	321.0	327.9	327.9	332.6
-70°	205.4	218.0	233.9	239.7	242.5	248.6	253.9	269.3	280.2	279.8	286.6
-72.5°	170.3	184.7	193.6	198.5	195.3	199.2	211.6	220.4	229.5	239.4	248.6
-75°	134.3	148.8	153.8	158.4	157.9	155.0	159.5	165.7	174.8	188.2	193.8
-77.5°	101.0	109.2	117.1	122.6	127.3	128.0	132.0	134.3	133.1	136.5	142.0
-80°	79.4	83.6	87.1	89.0	94.6	99.8	103.0	104.1	104.3	105.7	109.7
-82.5°	58.9	61.4	62.6	56.9	60.2	65.8	69.7	68.1	70.9	74.2	77.4
-85°	39.7	41.0	42.8	39.0	39.5	40.8	42.2	43.5	44.7	45.9	47.0
-87.5°	20.0	20.5	22.0	22.2	23.5	24.8	26.1	27.3	28.5	29.6	30.6
-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: P902081 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-LTM

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°	20.4	8.8	6.0	13.2	11.0	10.0	10.6	11.8	13.7	17.7	31.5
85°	39.7	36.5	37.9	39.5	40.9	40.3	43.4	50.6	52.5	57.1	58.9
82.5°	71.0	72.7	74.2	74.6	73.0	71.6	77.9	86.3	97.2	106.3	105.0
80°	118.8	120.4	119.1	117.6	118.2	119.9	122.6	128.6	140.6	157.6	182.4
77.5°	176.9	173.9	166.1	167.6	166.3	167.6	165.9	169.4	171.5	178.2	190.9
75°	245.2	237.4	226.6	219.9	219.4	222.6	227.3	234.3	237.3	232.6	230.5
72.5°	352.6	335.5	301.8	284.5	280.6	280.8	282.5	296.7	298.0	293.1	286.6
70°	557.0	490.6	402.5	363.5	348.5	346.1	351.8	365.6	366.8	354.7	354.4
67.5°	770.4	695.9	537.6	455.7	434.8	422.1	426.5	445.8	452.9	431.9	410.7
65°	943.1	876.5	770.9	673.7	622.5	588.7	573.9	582.8	584.0	563.2	538.9
62.5°	1070.6	1048.8	1034.0	1006.1	913.7	870.5	850.2	867.5	874.0	827.7	732.6
60°	1226.3	1179.2	1140.5	1101.8	1074.6	1036.3	1053.7	1186.8	1226.6	1122.2	939.0
57.5°	1326.7	1268.9	1212.5	1173.0	1156.7	1128.7	1167.1	1309.4	1376.5	1271.3	1144.8
55°	1457.7	1395.3	1320.2	1258.9	1275.9	1347.2	1322.2	1365.2	1396.3	1346.5	1275.3
52.5°	1727.8	1560.2	1476.2	1629.7	1566.9	1474.0	1479.7	1448.0	1512.4	1419.1	1327.7
50°	2486.6	2381.8	2576.7	2674.1	2541.4	2344.5	2059.2	1675.2	1624.1	1443.4	1315.4
47.5°	6010.2	6232.2	5311.9	5294.7	4393.4	4424.9	3667.1	3107.2	2705.8	2319.9	1966.6
45°	18015.3	17692.6	15612.9	16155.1	14010.1	12963.1	10364.7	8931.8	7423.9	5683.0	5222.5
42.5°	43639.2	43599.1	44841.9	45181.9	41455.6	40708.6	34434.6	33218.0	29140.3	23097.9	23894.2
40°	74045.6	79253.6	84364.5	88012.5	90210.2	88810.0	90061.0	86912.9	87367.6	83435.4	80397.3
37.5°	94875.2	102914.7	112445.0	120552.8	124766.7	127492.4	131954.3	133978.7	136613.5	136900.1	138241.9
35°	106958.5	118534.2	131086.0	140195.4	145884.1	148516.3	153840.1	157465.7	162873.2	165605.4	170040.3
32.5°	112654.4	127393.7	138779.0	145439.2	148171.8	150802.6	154982.5	159152.9	163461.4	167405.8	171653.5
30°	113198.1	126886.8	134966.2	137530.0	137530.3	139684.8	142493.1	145426.0	148809.7	151796.2	154631.7
27.5°	110623.0	120922.2	123930.6	122848.0	122552.3	123687.3	125181.1	127165.2	129200.8	130797.0	132600.1
25°	107337.9	111574.7	111003.6	108939.8	108296.9	108601.7	109151.6	109916.6	111126.1	111894.1	112610.3
22.5°	100203.8	101477.5	99653.0	97238.5	96385.8	96056.0	95734.0	95942.4	96240.4	96275.3	96268.6
20°	93756.5	92882.0	90401.4	87912.6	87090.7	86119.9	85620.5	85226.4	85027.2	84601.6	83905.1
17.5°	87186.3	85761.1	83035.2	80951.3	79861.0	78758.3	77985.9	77384.7	76703.1	75930.6	75055.0
15°	81573.7	79883.5	77263.4	75342.7	74183.5	72948.5	72032.1	71203.8	70313.8	69349.6	68262.0
12.5°	76400.7	74504.8	71991.4	70295.1	69114.5	67818.1	66831.8	65838.9	64844.1	63663.4	62564.7
10°	71255.4	69427.7	67084.4	65466.1	64273.5	63040.6	61943.1	60901.6	59741.9	58546.4	57325.6
7.5°	66271.4	64569.1	62382.8	60898.9	59637.1	58417.5	57338.1	56188.5	54986.9	53733.8	52472.1
5°	61708.2	60110.4	57968.3	56664.0	55387.0	54123.4	52990.4	51814.3	50547.4	49215.4	47947.1
2.5°	57580.3	56085.1	54012.9	52758.4	51499.9	50195.8	48998.5	47751.4	46468.7	45093.6	43786.4
0°	53728.8	52480.5	50469.5	49175.3	47871.0	46564.0	45332.6	44051.6	42719.9	41363.3	40067.0
-2.5°	50253.2	49176.1	47308.8	45911.6	44645.8	43288.4	42002.3	40687.8	39382.0	38073.8	36831.0
-5°	46978.1	46049.4	44425.0	43009.0	41705.7	40325.5	39025.2	37739.8	36462.9	35203.0	34019.4
-7.5°	43959.4	43099.2	41668.0	40280.0	39022.2	37655.2	36379.6	35109.6	33854.9	32611.1	31484.6
-10°	41092.2	40277.5	38941.7	37498.8	36375.3	35069.4	33784.7	32516.3	31300.4	30085.2	29003.1
-12.5°	38958.0	38015.6	36720.7	35199.0	34166.8	32846.5	31531.4	30233.8	29012.3	27818.1	26722.6
-15°	37003.0	35985.5	35012.2	33573.2	32493.3	31250.5	29964.9	28672.9	27428.8	26309.4	25370.2
-17.5°	32630.3	31668.8	31064.6	29681.3	28692.7	27552.0	26416.3	25257.5	24117.8	23069.5	22179.0
-20°	27128.4	26209.8	25666.1	24712.5	23771.5	22920.2	21939.8	21020.5	20100.3	19233.3	18473.0



REPORT NUMBER: P902081 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-LTM

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	22763.7	22011.1	21620.1	20962.9	20161.0	19536.2	18835.9	18123.7	17388.8	16669.4	16034.2
-25°	19318.9	18735.5	18351.6	17967.4	17328.4	16918.3	16473.1	16036.2	15519.6	15026.0	14582.8
-27.5°	16044.8	15517.9	15086.0	14962.6	14450.0	14190.4	13958.1	13760.7	13553.5	13426.8	13244.1
-30°	12897.4	12555.5	12109.0	11830.7	11565.6	11320.1	11253.4	11232.1	11182.1	11264.4	11349.8
-32.5°	10073.7	9903.7	9514.0	9081.2	8762.8	8485.6	8367.9	8335.6	8352.1	8511.2	8769.0
-35°	7497.3	7517.1	7245.0	6803.5	6321.8	5966.2	5676.0	5556.8	5506.4	5641.5	5809.7
-37.5°	5019.4	5078.6	5136.8	4855.5	4401.8	4065.5	3731.2	3507.4	3229.6	3207.4	3447.4
-40°	3117.0	3175.6	3290.9	3270.6	3003.7	2682.5	2126.3	2013.2	1701.2	1690.1	1894.9
-42.5°	2173.5	2285.7	2314.2	2321.8	2134.9	1759.1	1435.9	1451.1	1444.0	1395.3	1379.7
-45°	1641.4	1698.1	1766.5	1656.1	1448.5	1221.2	1220.7	1128.3	1189.5	1188.1	1239.2
-47.5°	1237.7	1303.7	1315.6	1302.1	1189.1	1018.5	1007.9	1000.0	991.3	997.2	974.7
-50°	1034.8	1078.7	1082.9	1093.9	988.2	940.8	953.5	907.0	903.7	942.1	948.0
-52.5°	917.9	954.4	991.1	986.3	890.3	865.3	873.5	866.1	886.5	904.4	956.5
-55°	831.1	881.4	931.1	933.4	873.3	809.9	797.0	800.2	806.7	822.1	851.1
-57.5°	817.3	864.7	919.3	928.8	867.3	801.7	793.0	801.0	823.9	844.3	848.2
-60°	771.9	816.7	885.4	870.5	818.9	773.9	748.9	746.4	752.5	746.4	756.1
-62.5°	603.4	657.4	679.0	695.8	678.1	633.1	629.4	625.7	633.3	642.9	673.1
-65°	463.3	503.6	519.7	531.6	536.1	512.1	509.6	511.7	518.3	555.8	597.8
-67.5°	356.3	384.4	407.3	425.4	418.9	412.7	414.6	423.0	442.6	478.3	514.7
-70°	296.7	306.9	320.2	334.1	338.1	332.7	349.3	368.5	388.6	414.4	447.4
-72.5°	253.0	253.3	259.0	262.5	258.4	262.3	283.2	304.1	327.1	358.0	427.7
-75°	199.4	207.0	208.1	212.5	209.4	213.1	233.4	248.0	272.8	349.0	424.0
-77.5°	145.4	148.8	152.8	158.3	161.7	161.9	174.8	190.7	250.2	334.9	321.4
-80°	113.5	116.7	118.8	113.6	115.6	119.5	122.4	130.2	147.9	169.7	151.5
-82.5°	80.6	76.9	77.4	75.4	78.4	80.7	82.6	86.1	96.3	109.0	106.1
-85°	48.8	49.7	50.3	50.9	52.1	52.9	53.6	57.2	64.0	64.3	71.0
-87.5°	31.3	31.8	32.3	32.7	33.1	33.4	33.8	34.8	37.3	37.7	38.1
-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: P902081 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-LTM

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°	26.1	21.2	20.0	17.7	20.0	21.2	26.1	31.5	17.7	13.7	11.8
85°	61.2	66.0	67.3	62.8	67.3	66.0	61.2	58.9	57.1	52.5	50.6
82.5°	109.6	120.2	126.8	127.0	126.8	120.2	109.6	105.0	106.3	97.2	86.3
80°	206.4	216.5	216.3	214.8	216.3	216.5	206.4	182.4	157.6	140.6	128.6
77.5°	209.8	225.8	234.4	238.5	234.4	225.8	209.8	190.9	178.2	171.5	169.4
75°	243.5	257.0	270.6	269.4	270.6	257.0	243.5	230.5	232.6	237.3	234.3
72.5°	289.4	296.2	308.2	307.2	308.2	296.2	289.4	286.6	293.1	298.0	296.7
70°	349.3	343.4	350.5	351.3	350.5	343.4	349.3	354.4	354.7	366.8	365.6
67.5°	406.2	404.9	409.9	411.4	409.9	404.9	406.2	410.7	431.9	452.9	445.8
65°	537.1	517.0	506.6	506.0	506.6	517.0	537.1	538.9	563.2	584.0	582.8
62.5°	702.0	683.5	662.6	652.6	662.6	683.5	702.0	732.6	827.7	874.0	867.5
60°	858.1	825.5	794.5	775.4	794.5	825.5	858.1	939.0	1122.2	1226.6	1186.8
57.5°	1063.2	1018.5	1003.5	988.9	1003.5	1018.5	1063.2	1144.8	1271.3	1376.5	1309.4
55°	1235.4	1218.4	1222.8	1215.1	1222.8	1218.4	1235.4	1275.3	1346.5	1396.3	1365.2
52.5°	1286.9	1294.5	1308.0	1306.1	1308.0	1294.5	1286.9	1327.7	1419.1	1512.4	1448.0
50°	1273.7	1254.0	1241.2	1226.9	1241.2	1254.0	1273.7	1315.4	1443.4	1624.1	1675.2
47.5°	1678.4	1831.6	1882.0	1890.4	1882.0	1831.6	1678.4	1966.6	2319.9	2705.8	3107.2
45°	5095.0	4986.7	4857.7	4758.3	4857.7	4986.7	5095.0	5222.5	5683.0	7423.9	8931.8
42.5°	22782.2	20547.3	18313.0	17207.3	18313.0	20547.3	22782.2	23894.2	23097.9	29140.3	33218.0
40°	79736.3	79287.6	78590.2	77854.0	78590.2	79287.6	79736.3	80397.3	83435.4	87367.6	86912.9
37.5°	139766.1	139635.7	138873.6	138306.9	138873.6	139635.7	139766.1	138241.9	136900.1	136613.5	133978.7
35°	172652.9	173565.9	174048.7	174162.2	174048.7	173565.9	172652.9	170040.3	165605.4	162873.2	157465.7
32.5°	173647.7	175720.7	177010.6	177316.3	177010.6	175720.7	173647.7	171653.5	167405.8	163461.4	159152.9
30°	156529.2	158243.5	159256.8	159545.2	159256.8	158243.5	156529.2	154631.7	151796.2	148809.7	145426.0
27.5°	133841.1	134883.6	135445.5	135673.4	135445.5	134883.6	133841.1	132600.1	130797.0	129200.8	127165.2
25°	112751.6	113180.8	113322.7	113463.6	113322.7	113180.8	112751.6	112610.3	111894.1	111126.1	109916.6
22.5°	95981.6	95853.4	95567.3	95503.6	95567.3	95853.4	95981.6	96268.6	96275.3	96240.4	95942.4
20°	83450.2	83036.0	82614.2	82395.6	82614.2	83036.0	83450.2	83905.1	84601.6	85027.2	85226.4
17.5°	74427.1	73699.4	73279.7	73292.4	73279.7	73699.4	74427.1	75055.0	75930.6	76703.1	77384.7
15°	67486.5	66754.5	66278.1	66344.9	66278.1	66754.5	67486.5	68262.0	69349.6	70313.8	71203.8
12.5°	61608.8	60788.1	60255.2	60231.5	60255.2	60788.1	61608.8	62564.7	63663.4	64844.1	65838.9
10°	56243.6	55375.8	54805.4	54705.8	54805.4	55375.8	56243.6	57325.6	58546.4	59741.9	60901.6
7.5°	51324.2	50427.1	49797.8	49622.6	49797.8	50427.1	51324.2	52472.1	53733.8	54986.9	56188.5
5°	46824.2	45903.6	45300.3	45051.4	45300.3	45903.6	46824.2	47947.1	49215.4	50547.4	51814.3
2.5°	42642.5	41766.4	41196.4	40936.4	41196.4	41766.4	42642.5	43786.4	45093.6	46468.7	47751.4
0°	38984.1	38100.2	37543.5	37352.4	37543.5	38100.2	38984.1	40067.0	41363.3	42719.9	44051.6
-2.5°	35739.6	34938.8	34446.7	34270.8	34446.7	34938.8	35739.6	36831.0	38073.8	39382.0	40687.8
-5°	32998.5	32193.9	31634.6	31464.5	31634.6	32193.9	32998.5	34019.4	35203.0	36462.9	37739.8
-7.5°	30481.6	29679.8	29190.2	28953.4	29190.2	29679.8	30481.6	31484.6	32611.1	33854.9	35109.6
-10°	28043.0	27265.4	26799.8	26541.5	26799.8	27265.4	28043.0	29003.1	30085.2	31300.4	32516.3
-12.5°	25923.9	25227.4	24825.9	24631.9	24825.9	25227.4	25923.9	26722.6	27818.1	29012.3	30233.8
-15°	24367.1	23822.9	23313.8	23150.8	23313.8	23822.9	24367.1	25370.2	26309.4	27428.8	28672.9
-17.5°	21443.5	20938.0	20460.1	20358.6	20460.1	20938.0	21443.5	22179.0	23069.5	24117.8	25257.5
-20°	17888.5	17419.8	17093.3	16965.1	17093.3	17419.8	17888.5	18473.0	19233.3	20100.3	21020.5



REPORT NUMBER: P902081 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-LTM

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	15531.5	15206.8	15020.5	14949.2	15020.5	15206.8	15531.5	16034.2	16669.4	17388.8	18123.7
-25°	14271.7	13988.2	13818.2	13761.5	13818.2	13988.2	14271.7	14582.8	15026.0	15519.6	16036.2
-27.5°	13118.0	12972.8	12854.4	12771.6	12854.4	12972.8	13118.0	13244.1	13426.8	13553.5	13760.7
-30°	11428.1	11477.7	11545.6	11595.3	11545.6	11477.7	11428.1	11349.8	11264.4	11182.1	11232.1
-32.5°	8950.6	9134.5	9285.7	9307.1	9285.7	9134.5	8950.6	8769.0	8511.2	8352.1	8335.6
-35°	5980.9	6219.3	6430.5	6467.5	6430.5	6219.3	5980.9	5809.7	5641.5	5506.4	5556.8
-37.5°	3533.6	3734.9	3896.6	3924.1	3896.6	3734.9	3533.6	3447.4	3207.4	3229.6	3507.4
-40°	1591.7	1505.3	1507.9	1529.0	1507.9	1505.3	1591.7	1894.9	1690.1	1701.2	2013.2
-42.5°	1384.1	1397.0	1387.4	1355.2	1387.4	1397.0	1384.1	1379.7	1395.3	1444.0	1451.1
-45°	1241.2	1256.9	1251.4	1260.5	1251.4	1256.9	1241.2	1239.2	1188.1	1189.5	1128.3
-47.5°	1024.4	1029.3	1054.6	1078.5	1054.6	1029.3	1024.4	974.7	997.2	991.3	1000.0
-50°	939.1	915.3	920.6	983.0	920.6	915.3	939.1	948.0	942.1	903.7	907.0
-52.5°	974.6	977.3	963.3	958.9	963.3	977.3	974.6	956.5	904.4	886.5	866.1
-55°	860.5	868.1	878.8	890.1	878.8	868.1	860.5	851.1	822.1	806.7	800.2
-57.5°	850.4	875.6	889.6	865.1	889.6	875.6	850.4	848.2	844.3	823.9	801.0
-60°	781.0	837.9	912.3	932.0	912.3	837.9	781.0	756.1	746.4	752.5	746.4
-62.5°	711.1	764.0	819.3	932.0	819.3	764.0	711.1	673.1	642.9	633.3	625.7
-65°	630.1	662.8	718.5	753.6	718.5	662.8	630.1	597.8	555.8	518.3	511.7
-67.5°	539.8	574.3	627.0	668.0	627.0	574.3	539.8	514.7	478.3	442.6	423.0
-70°	480.6	521.5	590.4	655.3	590.4	521.5	480.6	447.4	414.4	388.6	368.5
-72.5°	523.0	569.6	519.6	488.3	519.6	569.6	523.0	427.7	358.0	327.1	304.1
-75°	390.8	337.0	330.1	331.3	330.1	337.0	390.8	424.0	349.0	272.8	248.0
-77.5°	253.4	234.0	232.1	233.0	232.1	234.0	253.4	321.4	334.9	250.2	190.7
-80°	151.3	145.3	138.3	136.5	138.3	145.3	151.3	151.5	169.7	147.9	130.2
-82.5°	102.7	103.5	104.0	104.2	104.0	103.5	102.7	106.1	109.0	96.3	86.1
-85°	58.0	58.1	58.2	58.3	58.2	58.1	58.0	71.0	64.3	64.0	57.2
-87.5°	35.3	35.4	35.4	35.5	35.4	35.4	35.3	38.1	37.7	37.3	34.8
-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: P902081 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-LTM

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°	10.6	10.0	11.0	13.2	6.0	8.8	20.4	19.8	19.1	18.4	17.7
85°	43.4	40.3	40.9	39.5	37.9	36.5	39.7	41.5	40.0	38.4	37.1
82.5°	77.9	71.6	73.0	74.6	74.2	72.7	71.0	72.1	71.4	76.9	76.1
80°	122.6	119.9	118.2	117.6	119.1	120.4	118.8	118.2	123.0	132.2	132.8
77.5°	165.9	167.6	166.3	167.6	166.1	173.9	176.9	175.0	185.5	199.1	206.6
75°	227.3	222.6	219.4	219.9	226.6	237.4	245.2	245.2	265.9	290.6	295.3
72.5°	282.5	280.8	280.6	284.5	301.8	335.5	352.6	366.5	424.1	442.3	406.9
70°	351.8	346.1	348.5	363.5	402.5	490.6	557.0	639.6	660.2	630.2	588.2
67.5°	426.5	422.1	434.8	455.7	537.6	695.9	770.4	784.3	821.5	732.2	730.5
65°	573.9	588.7	622.5	673.7	770.9	876.5	943.1	939.4	836.9	727.0	752.5
62.5°	850.2	870.5	913.7	1006.1	1034.0	1048.8	1070.6	997.1	810.2	707.5	797.7
60°	1053.7	1036.3	1074.6	1101.8	1140.5	1179.2	1226.3	1135.5	975.5	921.8	950.5
57.5°	1167.1	1128.7	1156.7	1173.0	1212.5	1268.9	1326.7	1291.9	1251.1	1223.2	1190.4
55°	1322.2	1347.2	1275.9	1258.9	1320.2	1395.3	1457.7	1484.1	1487.5	1527.0	1525.4
52.5°	1479.7	1474.0	1566.9	1629.7	1476.2	1560.2	1727.8	1833.7	1846.4	1924.1	1944.7
50°	2059.2	2344.5	2541.4	2674.1	2576.7	2381.8	2486.6	2767.3	2764.4	2780.3	2871.3
47.5°	3667.1	4424.9	4393.4	5294.7	5311.9	6232.2	6010.2	6092.5	5664.4	4817.5	4708.5
45°	10364.7	12963.1	14010.1	16155.1	15612.9	17692.6	18015.3	15702.7	14482.8	10856.5	7665.9
42.5°	34434.6	40708.6	41455.6	45181.9	44841.9	43599.1	43639.2	41475.3	34403.7	25833.7	16366.3
40°	90061.0	88810.0	90210.2	88012.5	84364.5	79253.6	74045.6	70357.3	64075.7	48374.8	32171.4
37.5°	131954.3	127492.4	124766.7	120552.8	112445.0	102914.7	94875.2	89051.3	82570.2	71654.9	51374.6
35°	153840.1	148516.3	145884.1	140195.4	131086.0	118534.2	106958.5	99593.9	93602.8	84873.2	69150.6
32.5°	154982.5	150802.6	148171.8	145439.2	138779.0	127393.7	112654.4	102723.6	97468.9	91347.5	79266.2
30°	142493.1	139684.8	137530.3	137530.0	134966.2	126886.8	113198.1	100225.2	93848.7	90109.6	83032.7
27.5°	125181.1	123687.3	122552.3	122848.0	123930.6	120922.2	110623.0	97028.4	88868.4	85492.8	81149.5
25°	109151.6	108601.7	108296.9	108939.8	111003.6	111574.7	107337.9	94477.1	83927.0	80298.8	78190.9
22.5°	95734.0	96056.0	96385.8	97238.5	99653.0	101477.5	100203.8	92438.9	81708.7	76223.8	74177.7
20°	85620.5	86119.9	87090.7	87912.6	90401.4	92882.0	93756.5	90224.9	79501.8	72700.4	70485.1
17.5°	77985.9	78758.3	79861.0	80951.3	83035.2	85761.1	87186.3	86067.9	78873.6	71072.6	67632.5
15°	72032.1	72948.5	74183.5	75342.7	77263.4	79883.5	81573.7	82615.3	78204.2	69917.8	65437.2
12.5°	66831.8	67818.1	69114.5	70295.1	71991.4	74504.8	76400.7	77731.4	75967.0	68734.3	63562.6
10°	61943.1	63040.6	64273.5	65466.1	67084.4	69427.7	71255.4	72856.1	72655.4	67545.5	61910.4
7.5°	57338.1	58417.5	59637.1	60898.9	62382.8	64569.1	66271.4	68051.3	68943.2	65695.3	60484.9
5°	52990.4	54123.4	55387.0	56664.0	57968.3	60110.4	61708.2	63418.5	65035.8	63316.5	58895.1
2.5°	48998.5	50195.8	51499.9	52758.4	54012.9	56085.1	57580.3	59167.8	61076.1	60579.8	57134.9
0°	45332.6	46564.0	47871.0	49175.3	50469.5	52480.5	53728.8	55211.8	57106.3	57505.0	55199.5
-2.5°	42002.3	43288.4	44645.8	45911.6	47308.8	49176.1	50253.2	51699.4	53564.8	54526.7	53163.0
-5°	39025.2	40325.5	41705.7	43009.0	44425.0	46049.4	46978.1	48451.4	50298.1	51556.2	51058.1
-7.5°	36379.6	37655.2	39022.2	40280.0	41668.0	43099.2	43959.4	45489.7	47261.9	48720.2	48762.7
-10°	33784.7	35069.4	36375.3	37498.8	38941.7	40277.5	41092.2	42615.7	44440.1	46053.0	46404.7
-12.5°	31531.4	32846.5	34166.8	35199.0	36720.7	38015.6	38958.0	40493.3	42338.1	43941.5	44596.0
-15°	29964.9	31250.5	32493.3	33573.2	35012.2	35985.5	37003.0	38462.7	40170.9	41423.2	42129.9
-17.5°	26416.3	27552.0	28692.7	29681.3	31064.6	31668.8	32630.3	33937.3	35341.4	36619.6	37137.1
-20°	21939.8	22920.2	23771.5	24712.5	25666.1	26209.8	27128.4	28224.0	29284.5	30299.9	30834.4



REPORT NUMBER: P902081 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-LTM

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	18835.9	19536.2	20161.0	20962.9	21620.1	22011.1	22763.7	23672.1	24528.8	25004.8	25139.5
-25°	16473.1	16918.3	17328.4	17967.4	18351.6	18735.5	19318.9	20086.7	20592.6	20590.7	20386.6
-27.5°	13958.1	14190.4	14450.0	14962.6	15086.0	15517.9	16044.8	16398.8	16462.3	16368.7	16337.0
-30°	11253.4	11320.1	11565.6	11830.7	12109.0	12555.5	12897.4	13008.5	12947.5	12976.8	13208.3
-32.5°	8367.9	8485.6	8762.8	9081.2	9514.0	9903.7	10073.7	10100.6	10202.5	10290.0	10495.0
-35°	5676.0	5966.2	6321.8	6803.5	7245.0	7517.1	7497.3	7524.1	7513.6	7550.4	7680.8
-37.5°	3731.2	4065.5	4401.8	4855.5	5136.8	5078.6	5019.4	4968.0	4903.5	4883.1	4972.6
-40°	2126.3	2682.5	3003.7	3270.6	3290.9	3175.6	3117.0	2940.8	2810.5	2835.4	2997.9
-42.5°	1435.9	1759.1	2134.9	2321.8	2314.2	2285.7	2173.5	1983.0	1901.9	1851.2	1887.0
-45°	1220.7	1221.2	1448.5	1656.1	1766.5	1698.1	1641.4	1519.6	1450.5	1310.7	1283.0
-47.5°	1007.9	1018.5	1189.1	1302.1	1315.6	1303.7	1237.7	1169.9	1098.2	994.1	1059.1
-50°	953.5	940.8	988.2	1093.9	1082.9	1078.7	1034.8	980.1	875.3	800.6	869.0
-52.5°	873.5	865.3	890.3	986.3	991.1	954.4	917.9	850.7	749.3	689.5	709.9
-55°	797.0	809.9	873.3	933.4	931.1	881.4	831.1	767.2	672.6	616.1	608.0
-57.5°	793.0	801.7	867.3	928.8	919.3	864.7	817.3	710.6	603.9	551.9	535.6
-60°	748.9	773.9	818.9	870.5	885.4	816.7	771.9	647.4	531.2	491.5	474.2
-62.5°	629.4	633.1	678.1	695.8	679.0	657.4	603.4	515.7	452.2	430.8	420.4
-65°	509.6	512.1	536.1	531.6	519.7	503.6	463.3	412.1	386.9	381.6	369.3
-67.5°	414.6	412.7	418.9	425.4	407.3	384.4	356.3	332.6	327.9	327.9	321.0
-70°	349.3	332.7	338.1	334.1	320.2	306.9	296.7	286.6	279.8	280.2	269.3
-72.5°	283.2	262.3	258.4	262.5	259.0	253.3	253.0	248.6	239.4	229.5	220.4
-75°	233.4	213.1	209.4	212.5	208.1	207.0	199.4	193.8	188.2	174.8	165.7
-77.5°	174.8	161.9	161.7	158.3	152.8	148.8	145.4	142.0	136.5	133.1	134.3
-80°	122.4	119.5	115.6	113.6	118.8	116.7	113.5	109.7	105.7	104.3	104.1
-82.5°	82.6	80.7	78.4	75.4	77.4	76.9	80.6	77.4	74.2	70.9	68.1
-85°	53.6	52.9	52.1	50.9	50.3	49.7	48.8	47.0	45.9	44.7	43.5
-87.5°	33.8	33.4	33.1	32.7	32.3	31.8	31.3	30.6	29.6	28.5	27.3
-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: P902081 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-LTM

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°	20.1	23.4	23.5	23.5	23.2	21.6	21.0	19.2	17.4	15.6	18.5
85°	41.6	48.1	50.2	52.6	51.0	50.5	46.2	39.9	34.8	31.4	36.9
82.5°	81.8	90.3	88.0	87.7	84.0	90.2	82.8	73.4	63.8	54.2	54.9
80°	142.1	151.7	141.0	132.0	126.6	130.0	119.8	107.1	93.9	80.2	72.0
77.5°	215.3	219.8	194.6	182.6	175.5	171.4	157.4	141.9	124.4	106.1	88.4
75°	291.7	279.9	253.9	241.3	230.1	220.7	201.1	178.4	154.8	133.4	109.8
72.5°	387.2	361.7	325.9	310.9	301.8	281.0	246.6	220.0	189.9	160.6	134.6
70°	524.0	453.9	411.8	389.4	376.6	352.3	311.8	265.8	227.0	192.9	159.6
67.5°	703.2	545.3	489.5	468.9	456.3	437.4	378.9	320.7	269.4	225.3	187.2
65°	824.0	655.4	592.6	555.1	555.4	536.2	463.1	381.5	317.6	259.7	214.8
62.5°	840.8	784.2	723.8	692.5	682.3	667.2	558.5	459.3	368.8	296.1	241.8
60°	944.7	921.1	882.4	854.7	832.8	791.6	671.2	535.4	430.4	329.6	268.7
57.5°	1139.0	1098.6	1078.9	1039.6	995.9	903.4	763.9	610.4	484.6	371.4	294.0
55°	1475.9	1423.5	1354.2	1254.8	1162.2	1018.6	842.4	677.9	541.6	414.5	319.1
52.5°	2028.7	2029.7	1772.3	1529.8	1327.5	1122.3	921.9	750.0	602.0	456.8	355.5
50°	2883.1	2898.6	2529.1	1908.1	1515.4	1248.3	1008.6	820.4	664.2	514.2	391.1
47.5°	4333.6	3924.6	3321.6	2389.8	1759.2	1379.3	1096.6	895.1	723.8	568.6	424.5
45°	6550.0	5412.1	4081.9	2738.7	1955.2	1515.8	1207.2	971.5	781.0	617.4	460.7
42.5°	9839.8	7456.4	5301.8	3146.3	2120.7	1627.6	1315.1	1051.2	843.3	664.5	497.1
40°	19245.8	11299.5	6995.3	3516.5	2257.0	1714.0	1407.1	1139.6	908.0	710.6	529.5
37.5°	31872.0	18869.1	11287.5	5154.9	2457.9	1798.1	1483.8	1215.4	967.4	755.5	558.1
35°	47428.5	28395.3	17210.0	6783.9	2749.8	1915.4	1557.4	1278.2	1024.9	801.0	589.8
32.5°	59713.3	39423.0	25151.8	12762.6	4186.3	2128.1	1650.6	1336.5	1080.4	845.2	623.8
30°	68668.7	48313.2	31957.2	19061.0	5612.2	2374.7	1747.1	1386.2	1129.2	885.1	654.0
27.5°	71045.3	54366.3	38167.4	24510.1	9478.7	3132.2	1868.2	1427.6	1171.2	917.7	680.3
25°	71817.7	58649.5	42654.4	29665.1	14245.9	4382.7	2059.3	1494.2	1203.9	944.4	702.7
22.5°	70148.4	60439.9	45954.5	34712.9	18634.7	5643.4	2299.5	1551.5	1229.3	968.5	724.1
20°	67826.9	60741.3	48556.4	37299.1	22694.2	7196.8	2582.6	1622.9	1253.2	990.1	742.8
17.5°	65686.5	60569.0	50162.2	39083.5	26412.4	10683.1	3205.1	1695.9	1282.2	1011.5	757.8
15°	63248.7	59252.3	50918.1	40209.6	29471.6	13958.9	4363.8	1857.8	1320.0	1030.5	772.6
12.5°	61091.1	57650.5	50647.5	40927.6	31800.0	16905.9	5737.9	2200.1	1356.4	1050.3	788.8
10°	59162.1	56225.1	50219.4	41533.8	33385.1	19599.4	7118.4	2626.7	1438.4	1069.0	802.0
7.5°	57411.9	54864.3	49809.5	41949.7	33976.5	21911.2	8723.9	3186.4	1543.5	1083.3	812.5
5°	55724.5	53548.9	49310.1	42364.5	34498.1	23811.9	10282.5	3778.7	1682.9	1101.3	821.0
2.5°	54108.8	52257.1	48742.2	42609.2	34983.4	25296.5	11938.2	4504.3	1862.3	1118.1	826.1
0°	52498.2	50939.1	48123.6	42716.0	35379.2	26383.4	13427.0	5167.8	2024.1	1130.4	827.8
-2.5°	50986.4	49608.2	47316.5	42636.2	35671.2	26940.8	14639.6	5881.2	2307.5	1200.9	843.0
-5°	49387.9	48206.0	46365.0	42333.6	35747.0	27167.4	15570.7	6456.9	2539.4	1263.4	853.9
-7.5°	47657.3	46709.1	45298.0	41884.9	35631.6	27013.8	16044.5	7000.7	2834.2	1347.8	859.6
-10°	45871.6	45231.5	44190.1	41367.3	35358.6	26686.8	16230.1	7397.1	3139.2	1510.5	873.6
-12.5°	44259.4	43825.7	43379.0	40729.2	34630.2	26177.9	15918.8	7516.3	3391.8	1635.2	879.4
-15°	41859.7	41804.0	41248.4	39133.6	33162.8	24735.9	15268.5	7421.6	3743.9	1773.0	871.1
-17.5°	37356.4	36925.4	37127.8	35059.8	30122.9	22742.5	13781.5	7450.2	4036.1	1900.9	854.4
-20°	30687.7	31096.0	31336.2	30343.8	26142.2	19967.8	12714.7	7535.5	4309.2	1914.4	822.6



REPORT NUMBER: P902081 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-LTM

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	25077.4	25503.8	26269.8	25688.4	22569.5	17592.7	12042.3	7633.2	4513.7	1769.3	766.1
-25°	20459.4	21059.1	21779.7	21572.5	19556.3	15787.6	11533.8	7752.1	4601.5	1429.6	720.1
-27.5°	16718.5	17361.9	17896.0	17949.8	16761.5	14355.4	11028.8	7810.5	4053.7	1265.3	690.6
-30°	13625.1	14135.8	14651.8	14836.9	14506.5	13058.8	10663.9	7056.4	3294.0	1135.9	653.9
-32.5°	10838.4	11279.7	11726.4	12227.1	12513.3	12058.6	9705.9	5699.3	2490.9	989.5	609.8
-35°	8000.3	8456.8	8978.0	9687.2	10655.3	10366.1	8091.3	3862.6	1624.2	840.4	553.6
-37.5°	5330.2	5770.2	6273.9	7089.2	7855.5	7680.2	5817.7	2505.9	1173.3	724.0	495.0
-40°	3248.3	3613.2	4046.7	4569.8	4992.5	4803.2	3402.0	1769.5	988.3	638.7	450.2
-42.5°	1948.2	2077.7	2259.0	2596.5	2964.6	2735.9	1738.1	1195.0	797.4	555.2	407.2
-45°	1334.2	1353.1	1433.9	1563.2	1722.0	1658.7	1302.6	944.6	653.3	474.1	366.4
-47.5°	1066.7	1029.0	1058.7	1140.4	1202.2	1178.0	1005.9	765.6	566.0	430.6	333.5
-50°	884.1	859.1	908.0	964.2	1018.3	977.6	828.5	623.2	483.2	387.0	305.5
-52.5°	735.1	742.0	785.0	811.2	838.0	811.5	686.8	539.1	427.2	343.5	277.0
-55°	635.2	640.6	639.1	642.7	629.6	618.7	551.7	447.8	380.9	310.6	248.9
-57.5°	552.8	555.1	549.1	542.1	530.7	484.8	445.0	388.9	335.8	277.7	227.5
-60°	475.2	484.4	481.5	480.5	456.1	417.3	377.7	331.4	299.6	246.2	205.8
-62.5°	416.2	422.0	426.6	420.5	393.8	362.4	327.4	292.0	262.3	221.7	183.8
-65°	357.6	363.0	368.4	362.0	336.5	314.5	285.0	260.1	230.1	196.5	165.9
-67.5°	301.4	302.0	306.3	293.5	279.9	264.7	243.0	222.6	197.2	171.9	147.4
-70°	253.9	248.6	242.5	239.7	233.9	218.0	205.4	184.4	165.3	146.5	128.7
-72.5°	211.6	199.2	195.3	198.5	193.6	184.7	170.3	152.7	136.6	120.7	111.1
-75°	159.5	155.0	157.9	158.4	153.8	148.8	134.3	122.7	112.6	103.3	93.3
-77.5°	132.0	128.0	127.3	122.6	117.1	109.2	101.0	99.8	95.6	86.6	75.7
-80°	103.0	99.8	94.6	89.0	87.1	83.6	79.4	79.5	77.4	67.8	58.4
-82.5°	69.7	65.8	60.2	56.9	62.6	61.4	58.9	58.2	55.0	47.8	40.8
-85°	42.2	40.8	39.5	39.0	42.8	41.0	39.7	36.8	33.1	29.6	26.1
-87.5°	26.1	24.8	23.5	22.2	22.0	20.5	20.0	18.3	16.5	14.8	13.0
-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: P902081 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-LTM

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°	15.9	12.8	10.3	7.7	5.2	2.6	0.0
85°	31.7	25.6	20.5	15.4	10.3	5.2	0.0
82.5°	47.4	38.3	30.7	23.1	15.4	7.7	0.0
80°	58.9	50.0	40.9	30.7	20.5	10.3	0.0
77.5°	69.8	59.2	50.0	38.3	25.6	12.8	0.0
75°	80.6	68.3	57.4	45.8	30.6	15.3	0.0
72.5°	101.4	77.3	64.8	52.1	35.5	17.8	0.0
70°	125.3	91.4	72.2	58.1	40.4	20.2	0.0
67.5°	148.8	111.1	79.6	64.0	45.2	22.6	0.0
65°	172.2	130.3	90.6	69.8	49.5	25.0	0.0
62.5°	195.4	149.0	104.2	75.6	53.3	27.3	0.0
60°	218.1	166.7	117.1	81.2	56.9	29.6	0.0
57.5°	240.2	182.7	129.0	87.0	60.4	31.8	0.0
55°	261.3	197.5	140.1	95.1	63.8	33.9	0.0
52.5°	281.4	211.2	150.6	102.8	67.0	36.0	0.0
50°	301.8	225.3	162.4	110.2	70.0	38.0	0.0
47.5°	323.3	244.0	174.3	117.3	72.9	39.9	0.0
45°	347.9	261.9	186.1	124.0	75.6	41.8	0.0
42.5°	369.8	278.9	197.1	130.4	78.1	43.6	0.0
40°	390.2	294.9	207.4	136.4	80.4	45.3	0.0
37.5°	410.6	310.0	216.8	142.2	82.5	46.9	0.0
35°	433.0	324.4	226.5	148.7	85.6	48.1	0.0
32.5°	453.8	338.0	235.7	155.0	88.9	49.2	0.0
30°	470.6	351.1	243.9	160.8	92.1	50.2	0.0
27.5°	487.1	363.6	252.0	166.0	95.3	51.1	0.0
25°	502.9	375.4	259.7	170.6	98.3	51.9	0.0
22.5°	517.4	386.0	266.9	174.7	101.0	52.7	0.0
20°	532.5	393.6	273.4	178.2	103.5	53.3	0.0
17.5°	549.2	399.2	279.4	181.5	105.7	53.9	0.0
15°	563.3	403.7	284.7	184.5	107.6	54.5	0.0
12.5°	574.8	408.0	288.0	187.1	109.2	54.9	0.0
10°	583.9	412.6	289.8	189.2	110.5	55.3	0.0
7.5°	591.4	416.9	290.6	190.8	111.5	55.6	0.0
5°	597.1	419.6	290.5	192.0	112.3	55.8	0.0
2.5°	600.5	420.9	289.5	192.7	112.7	55.9	0.0
0°	601.6	420.5	287.6	192.9	112.9	56.0	0.0
-2.5°	602.4	419.6	287.2	191.3	112.7	55.9	0.0
-5°	600.7	417.1	286.0	189.2	112.3	55.8	0.0
-7.5°	596.5	413.0	283.9	186.7	111.5	55.6	0.0
-10°	589.0	407.1	280.8	183.9	110.5	55.3	0.0
-12.5°	577.2	398.9	276.7	180.8	109.2	54.9	0.0
-15°	562.4	388.3	271.4	177.5	107.6	54.5	0.0
-17.5°	544.5	377.8	264.7	173.9	105.7	53.9	0.0
-20°	524.5	367.5	257.4	170.3	103.5	53.3	0.0



REPORT NUMBER: P902081 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-LTM

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	506.5	356.2	249.5	166.8	101.0	52.7	0.0
-25°	487.7	343.8	241.0	162.8	98.3	51.9	0.0
-27.5°	466.3	330.4	232.0	158.4	95.3	51.1	0.0
-30°	442.1	315.9	222.4	153.5	92.1	50.2	0.0
-32.5°	414.6	300.5	211.4	148.2	88.5	49.2	0.0
-35°	383.9	284.2	199.6	142.4	84.8	48.1	0.0
-37.5°	355.0	267.3	188.4	136.2	81.3	46.9	0.0
-40°	332.5	250.8	179.5	129.8	78.9	45.3	0.0
-42.5°	309.2	234.1	170.3	123.3	76.4	43.6	0.0
-45°	285.2	217.1	161.0	116.8	73.8	41.8	0.0
-47.5°	260.4	199.8	151.5	110.2	71.1	39.9	0.0
-50°	239.9	182.5	142.2	103.4	68.3	38.0	0.0
-52.5°	220.7	171.1	132.9	96.5	65.3	36.0	0.0
-55°	202.0	160.0	124.1	89.5	62.3	33.9	0.0
-57.5°	183.6	148.5	115.2	82.5	59.1	31.8	0.0
-60°	168.9	136.6	106.0	77.4	55.9	29.6	0.0
-62.5°	153.9	124.6	96.6	72.5	52.6	27.3	0.0
-65°	138.5	112.6	87.0	67.4	49.2	25.0	0.0
-67.5°	123.3	100.4	78.6	62.2	45.2	22.6	0.0
-70°	108.4	87.9	71.6	57.0	40.4	20.2	0.0
-72.5°	93.3	77.3	64.5	51.6	35.5	17.8	0.0
-75°	78.7	68.3	57.3	45.8	30.6	15.3	0.0
-77.5°	65.8	59.2	50.0	38.3	25.6	12.8	0.0
-80°	52.6	50.0	40.9	30.7	20.5	10.3	0.0
-82.5°	39.2	38.3	30.7	23.1	15.4	7.7	0.0
-85°	26.0	25.6	20.5	15.4	10.3	5.2	0.0
-87.5°	13.0	12.8	10.3	7.7	5.2	2.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)