

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: P902079 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/13/2024

Test Information

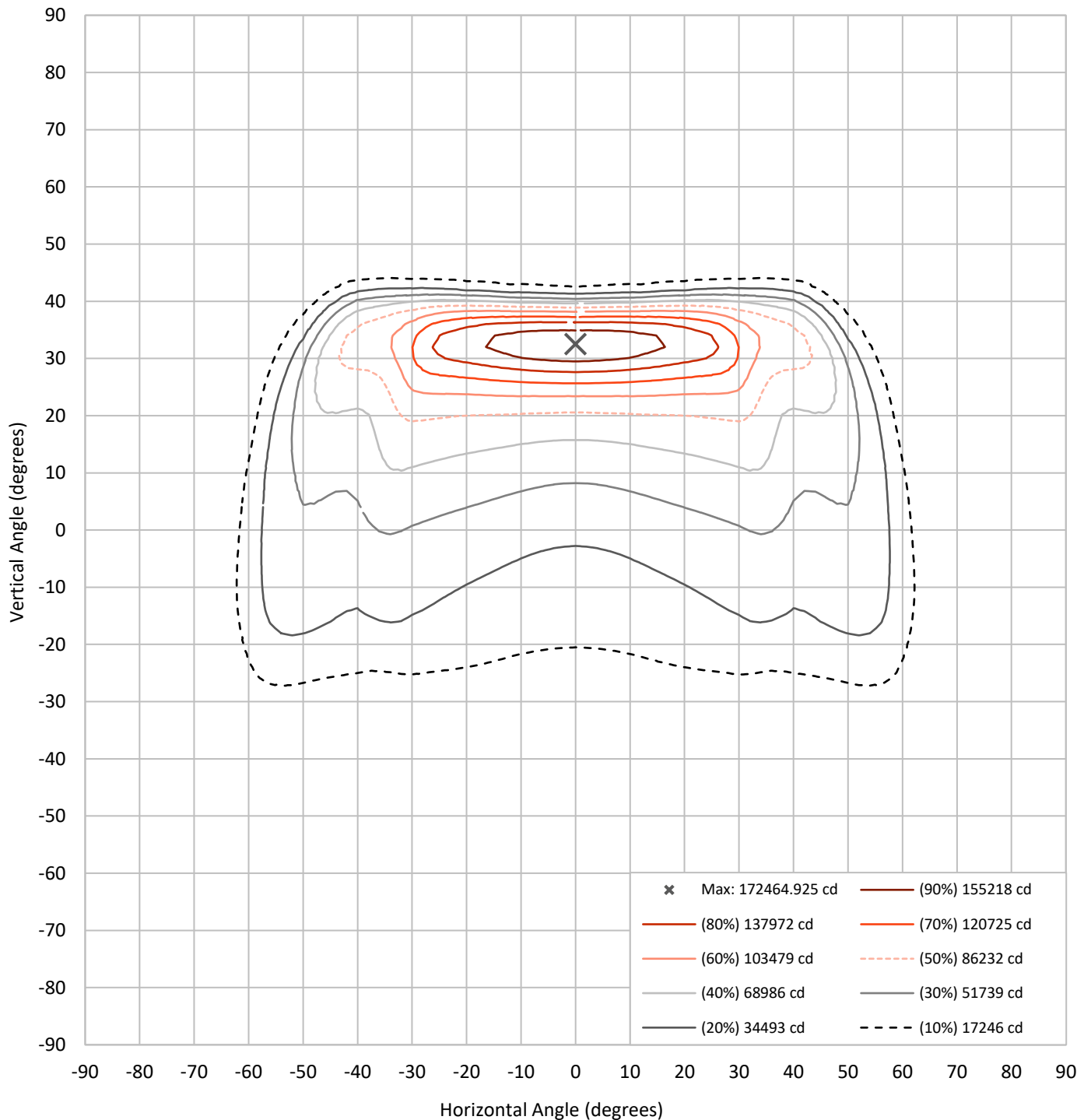
Test Method: LM-79-08
Report Number: P902079 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVM2K49200)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A35-WNB-LO
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A35-WNB-LO OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 4V
Luminaire Lumens:	128103 lumens	Max Intensity:	172464.9 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 32.5°V
Efficacy:	90.7 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	86.3°H x 18.3°V	Field Angle (10%):	108°H x 62.7°V
Beam Lumens:	49622.4 lumens	Field Lumens:	121497.1 lumens
Beam Efficiency:	38.7%	Field Efficiency:	94.8%
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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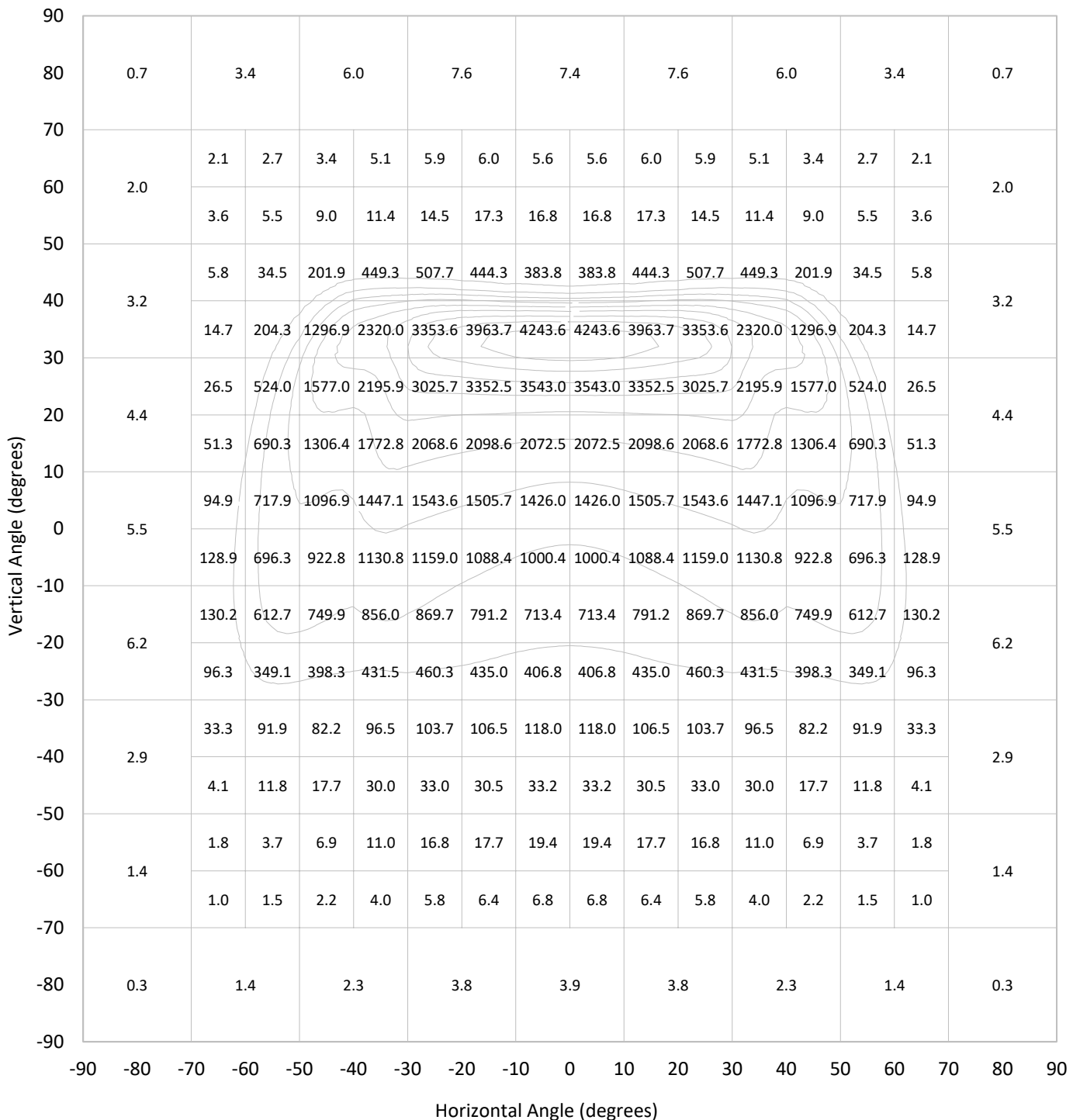
Iso-Candela Plot





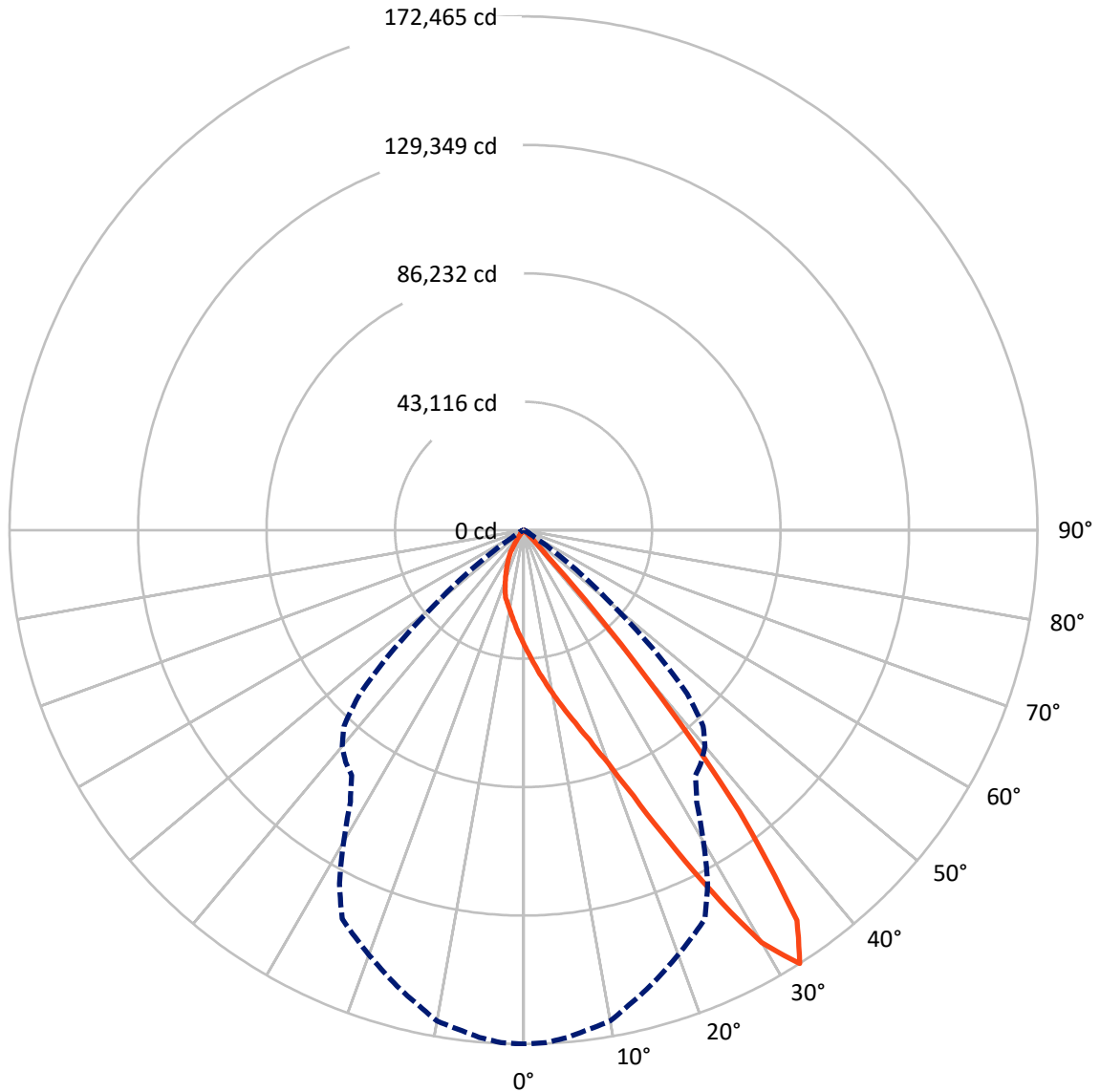
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Lumen Table



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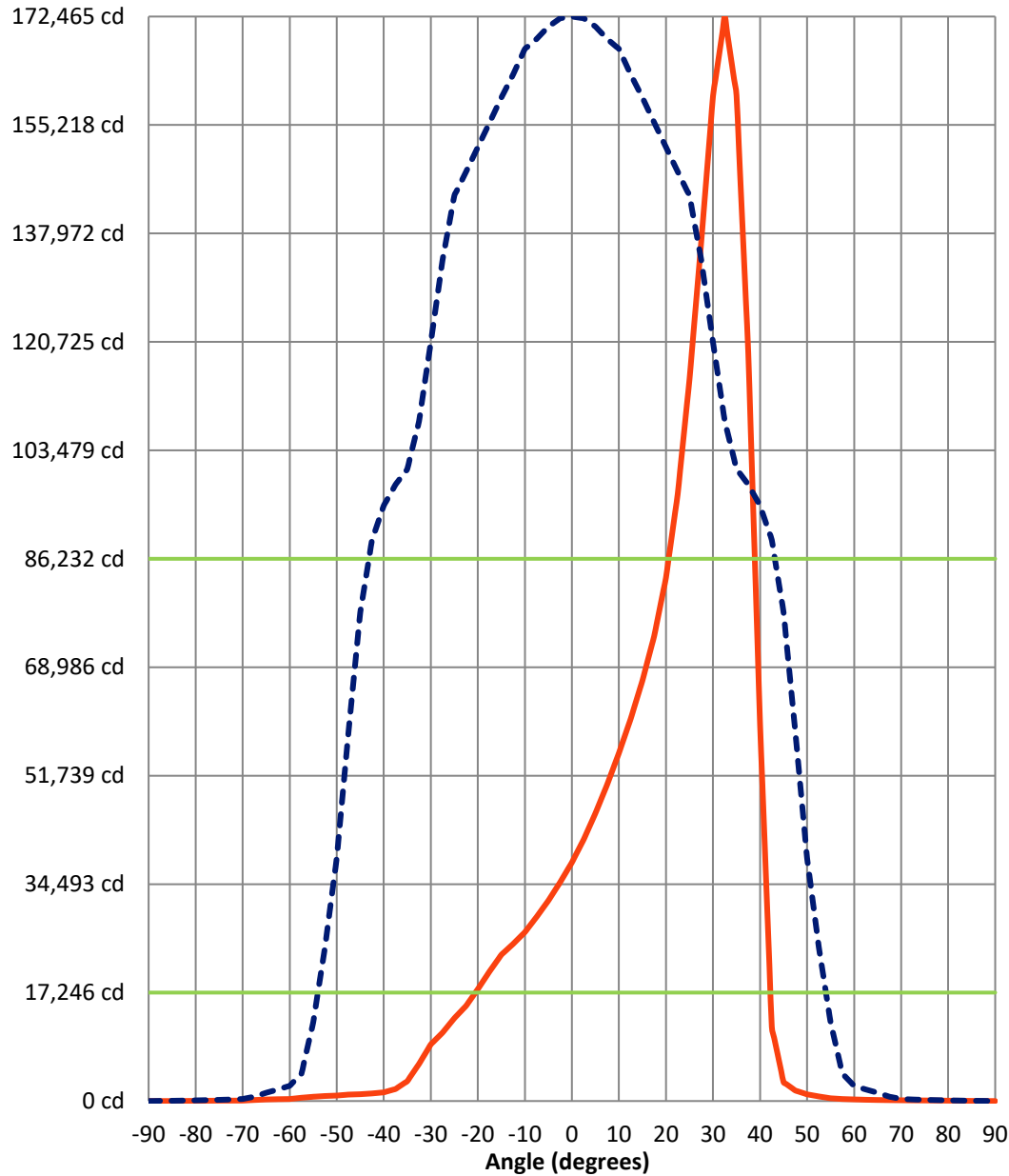
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 86.3°
 V Angle: 18.3°
 Lumens: 49622.4
 Efficiency: 38.7%

Field:
 H Angle: 108°
 V Angle: 62.7°
 Lumens: 121497.1
 Efficiency: 94.8%

Spill:
 Lumens: 6605.9
 Efficiency: 5.2%

— 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	1.5	3.0	4.5	5.9	11.3	9.4	10.9	12.4	13.9	15.4
85°	0.0	3.0	5.9	8.9	11.8	22.5	19.0	21.9	24.9	27.8	29.8
82.5°	0.0	4.5	8.9	13.3	17.7	33.4	28.8	34.0	37.0	40.9	37.2
80°	0.0	5.9	11.8	17.7	23.6	42.0	37.8	48.4	49.3	53.8	49.3
77.5°	0.0	7.4	14.8	22.1	29.5	45.8	46.3	62.1	63.5	67.7	76.3
75°	0.0	8.8	17.6	26.4	35.7	49.7	54.4	73.0	80.5	82.8	96.6
72.5°	0.0	10.3	20.5	30.9	41.8	54.0	62.7	82.2	96.5	97.9	105.7
70°	0.0	11.7	23.3	35.4	47.7	59.7	71.1	91.1	108.1	112.4	119.4
67.5°	0.0	13.1	26.1	39.9	53.6	66.7	79.4	99.5	119.1	128.0	140.2
65°	0.0	14.4	28.8	44.2	59.2	73.4	87.6	107.8	130.1	143.6	160.7
62.5°	0.0	15.8	31.3	48.5	64.6	80.1	95.8	115.8	141.4	158.4	181.0
60°	0.0	17.1	33.6	52.6	69.8	86.6	103.6	127.4	152.5	176.3	203.2
57.5°	0.0	18.3	35.7	56.6	74.9	93.0	111.1	139.9	167.0	193.8	232.5
55°	0.0	19.6	37.6	59.3	79.8	99.1	122.1	152.9	182.2	215.8	259.2
52.5°	0.0	20.8	39.3	61.5	84.6	105.1	132.0	164.1	197.0	238.1	304.3
50°	0.0	21.9	40.8	63.4	89.3	111.0	140.4	173.5	212.4	264.7	349.2
47.5°	0.0	23.1	42.1	64.8	93.2	117.0	147.4	181.0	225.2	296.1	385.0
45°	0.0	24.1	43.1	65.9	95.9	122.7	154.3	188.2	235.1	323.1	414.6
42.5°	0.0	25.2	43.9	66.5	98.4	128.3	161.8	199.0	256.9	347.5	442.0
40°	0.0	26.1	44.5	67.5	100.8	133.5	170.2	209.6	277.6	372.9	561.6
37.5°	0.0	27.1	44.8	69.1	102.9	138.6	178.8	219.8	296.9	395.9	814.3
35°	0.0	27.6	45.3	71.7	105.6	144.5	186.3	233.3	315.5	498.2	1162.8
32.5°	0.0	28.1	46.0	74.4	108.8	150.0	192.0	247.2	332.7	693.9	1318.4
30°	0.0	28.5	46.7	77.0	112.0	154.3	196.2	260.4	348.1	894.2	1477.5
27.5°	0.0	28.9	48.2	79.4	115.5	157.4	199.6	273.8	362.2	1093.7	1616.7
25°	0.0	29.2	49.6	81.5	118.1	159.5	203.6	287.2	385.5	1209.2	1693.9
22.5°	0.0	29.6	50.9	83.5	120.0	160.9	208.0	296.0	428.8	1111.6	1716.6
20°	0.0	29.8	52.1	85.2	121.2	163.4	213.9	303.0	434.5	1059.3	1711.7
17.5°	0.0	30.1	53.1	86.7	121.6	166.0	221.2	309.8	457.1	1086.3	1701.6
15°	0.0	30.3	54.0	88.0	121.4	169.0	227.7	316.5	473.7	1166.0	1811.2
12.5°	0.0	30.5	54.7	89.0	122.3	171.8	233.2	321.8	481.9	1223.6	2128.2
10°	0.0	30.7	55.3	89.9	123.5	174.2	237.7	325.0	482.7	1311.3	2533.6
7.5°	0.0	30.8	55.8	90.6	124.4	176.1	241.2	327.9	478.9	1412.5	3079.0
5°	0.0	30.9	56.2	91.1	125.1	177.4	243.7	337.1	479.3	1546.4	3651.8
2.5°	0.0	30.9	56.4	91.4	125.5	178.2	245.2	345.5	478.6	1717.8	4339.8
0°	0.0	31.0	56.5	91.5	125.6	178.4	245.8	352.7	475.1	1870.8	4965.7
-2.5°	0.0	30.5	56.4	91.4	125.5	178.8	248.7	365.6	730.0	2139.5	5647.3
-5°	0.0	30.0	56.2	91.1	125.1	178.6	250.6	376.3	968.2	2358.9	6191.9
-7.5°	0.0	29.5	55.8	90.6	124.4	177.7	251.4	383.8	1162.0	2625.7	6711.6
-10°	0.0	29.0	55.3	89.9	123.5	175.9	251.1	391.0	1275.1	2889.8	7079.1
-12.5°	0.0	28.4	54.7	89.0	122.3	173.1	248.8	394.7	1341.1	3102.9	7190.8
-15°	0.0	27.7	54.0	88.0	120.9	169.4	244.2	393.4	1398.2	3418.6	7092.7
-17.5°	0.0	27.0	53.1	86.7	119.2	165.7	237.3	382.8	1418.7	3674.2	7099.5
-20°	0.0	26.3	52.1	85.3	117.3	161.9	227.6	362.5	1312.2	3851.3	7135.9



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

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	25.5	50.9	83.6	115.1	157.8	219.2	334.7	1037.1	3863.0	7127.0
-25°	0.0	24.6	49.6	81.8	112.7	153.1	211.7	310.1	619.2	3680.4	6730.4
-27.5°	0.0	23.7	48.2	79.9	110.0	148.0	203.4	284.4	499.6	2860.6	6116.5
-30°	0.0	22.7	46.7	77.7	107.0	142.4	194.0	260.1	432.0	2038.6	4827.2
-32.5°	0.0	21.6	45.0	75.4	102.2	136.5	183.4	237.4	355.6	1304.6	3331.0
-35°	0.0	20.5	43.3	72.9	96.6	130.0	173.4	216.9	281.6	654.3	1883.8
-37.5°	0.0	19.4	41.4	70.2	90.6	123.2	164.3	200.8	233.2	359.5	948.5
-40°	0.0	18.3	39.6	67.2	84.9	116.0	155.7	187.6	215.6	286.1	507.0
-42.5°	0.0	17.2	37.6	63.7	79.0	108.5	145.1	174.1	199.6	232.3	302.4
-45°	0.0	16.2	35.5	59.5	73.1	100.5	132.9	160.1	185.2	198.1	254.0
-47.5°	0.0	15.1	33.4	55.6	67.0	92.3	120.2	145.3	168.4	179.7	212.8
-50°	0.0	14.1	31.1	51.9	62.0	83.7	109.4	130.1	150.4	159.1	180.4
-52.5°	0.0	13.1	28.8	48.4	57.3	77.8	99.8	114.8	134.1	143.1	157.7
-55°	0.0	12.1	26.4	45.2	54.3	71.8	91.2	100.3	119.7	128.9	136.1
-57.5°	0.0	11.1	23.9	42.1	51.7	65.7	83.6	93.5	107.1	114.8	120.3
-60°	0.0	10.2	21.4	38.4	49.0	59.3	76.0	87.5	96.2	100.2	104.1
-62.5°	0.0	9.3	18.8	34.5	46.2	53.7	68.2	80.3	84.6	85.4	88.3
-65°	0.0	8.3	16.1	30.5	43.4	48.3	60.2	71.0	74.6	76.2	74.9
-67.5°	0.0	7.4	14.0	26.4	39.3	42.3	52.1	62.8	66.0	68.3	65.9
-70°	0.0	6.6	12.5	22.2	33.8	35.7	43.8	55.1	56.5	56.8	58.7
-72.5°	0.0	5.7	11.0	18.0	28.2	29.6	35.4	45.3	46.0	42.4	46.9
-75°	0.0	4.9	9.4	14.1	22.5	24.7	27.9	35.4	38.0	30.4	32.9
-77.5°	0.0	4.0	7.9	11.8	16.7	20.1	23.4	25.5	31.0	22.7	23.6
-80°	0.0	3.2	6.3	9.5	12.6	15.8	18.8	15.2	20.4	14.8	16.1
-82.5°	0.0	2.4	4.8	7.1	9.5	11.8	14.1	4.3	8.1	6.7	8.5
-85°	0.0	1.6	3.2	4.8	6.3	7.9	9.4	0.3	0.0	0.0	0.8
-87.5°	0.0	0.8	1.6	2.4	3.2	3.9	4.7	0.0	0.0	0.0	0.0
-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):

	-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°	16.8	18.2	19.5	20.9	11.2	11.7	12.3	12.9	13.5	14.0	14.5
85°	31.1	32.3	33.5	34.6	29.1	31.1	33.4	35.5	27.3	27.9	28.8
82.5°	38.4	40.2	42.2	44.2	45.9	47.8	49.6	51.3	50.2	52.8	55.6
80°	55.0	57.1	61.6	56.4	56.9	59.4	61.8	64.1	66.3	68.4	70.4
77.5°	81.0	75.9	72.2	66.3	67.9	71.0	71.4	71.7	77.6	82.3	84.8
75°	99.0	89.4	76.2	74.9	74.6	72.4	73.3	76.8	84.0	92.4	99.0
72.5°	112.7	111.8	96.2	85.1	81.6	81.2	85.4	91.4	99.2	108.6	114.9
70°	135.6	140.8	119.4	93.1	87.7	97.6	107.2	116.4	124.0	125.2	132.6
67.5°	158.4	168.5	144.2	109.0	108.8	118.3	124.4	141.2	147.3	147.0	166.3
65°	181.0	201.4	180.0	132.2	124.1	129.4	139.7	155.2	162.5	173.1	194.8
62.5°	207.3	243.3	224.0	165.6	140.2	149.5	162.8	175.6	187.9	204.3	228.8
60°	243.3	285.8	282.7	215.3	164.2	174.3	185.6	204.5	223.5	254.2	277.6
57.5°	282.5	332.1	347.1	279.2	189.6	206.7	217.4	251.2	306.1	336.5	334.4
55°	330.2	381.1	416.2	318.9	227.0	239.6	274.4	336.7	426.4	416.3	402.0
52.5°	379.8	436.1	423.2	345.5	270.9	290.9	376.8	539.9	618.7	576.0	525.9
50°	425.1	458.9	431.7	364.5	440.2	573.6	618.6	1129.3	1041.6	1322.1	1039.1
47.5°	465.3	477.8	447.0	744.9	1029.1	1713.2	1963.7	2342.9	2313.9	2826.9	2962.9
45°	496.2	538.6	695.5	1471.1	2455.3	3407.7	4042.7	4424.3	6499.7	8541.8	8543.2
42.5°	530.8	847.7	1384.9	2442.2	4198.8	5794.6	7451.8	12628.5	19978.0	25394.4	28762.8
40°	852.7	1391.6	1951.2	3093.0	6172.8	9879.3	16974.5	28549.5	42345.7	54422.9	58989.0
37.5°	1215.9	1712.2	2321.9	4839.2	10515.9	17573.3	29869.5	48341.4	66886.8	76435.5	82228.2
35°	1556.8	2023.7	2787.7	6592.9	16351.2	27243.8	45955.9	67014.9	81778.6	89801.1	94998.1
32.5°	1837.9	2430.2	4365.5	12523.5	24477.4	38667.4	58706.4	77706.4	89216.5	94686.4	98029.9
30°	2102.6	2825.5	5910.2	18814.6	31586.9	48009.1	68021.2	81873.4	88757.9	91227.2	92386.8
27.5°	2291.1	3649.4	9727.5	24420.4	38084.5	54229.8	70557.3	80379.6	84155.8	84695.6	85238.1
25°	2453.5	4762.8	14385.8	29616.4	42728.9	58541.4	71331.7	77574.0	78532.3	77669.6	78114.8
22.5°	2566.1	5886.4	18613.6	34642.0	46055.3	60215.2	69591.4	73036.2	72569.8	71612.6	73246.3
20°	2714.2	7312.9	22604.0	37277.8	48541.2	60356.4	67138.9	68714.5	67330.7	66262.2	69054.7
17.5°	3253.7	10683.2	26323.0	39111.4	50030.5	60040.2	64730.4	64741.2	63082.5	62830.8	66946.0
15°	4346.7	13898.2	29400.3	40298.4	50674.8	58584.4	61716.3	61211.1	59607.1	60030.8	64945.5
12.5°	5688.8	16786.5	31744.3	40983.4	50301.7	56813.8	59056.6	58235.3	56705.5	58142.8	63709.2
10°	7039.2	19403.1	33307.9	41459.7	49774.0	55185.4	56656.3	55497.6	54377.1	56285.4	61931.1
7.5°	8571.3	21621.7	33843.1	41725.7	49210.9	53618.9	54378.9	52883.1	51964.9	54080.0	59639.4
5°	10038.0	23420.8	34278.0	42004.0	48589.3	52074.8	52063.9	50413.1	49510.4	51638.2	56818.6
2.5°	11599.5	24842.4	34690.9	42146.3	47911.7	50520.3	49897.2	48096.6	47163.4	49141.6	53846.2
0°	12997.4	25882.8	35029.3	42187.2	47162.1	48967.8	47854.3	45946.1	44879.0	46752.5	50694.4
-2.5°	14226.9	26504.0	35276.7	42032.1	46241.3	47461.9	46072.8	44068.2	42966.3	44555.3	47811.2
-5°	15178.6	26784.6	35316.9	41668.7	45213.5	45873.7	44362.7	42299.6	41056.7	42344.8	45003.3
-7.5°	15688.0	26664.5	35178.7	41169.1	44075.6	44267.9	42670.1	40560.0	39168.4	40094.4	42303.9
-10°	15908.9	26380.4	34898.2	40579.0	42885.0	42728.5	40974.6	38789.1	37278.6	37637.4	39623.1
-12.5°	15654.6	25925.6	34217.7	39994.7	42002.4	41356.6	39581.3	37489.4	35680.2	35400.5	37352.2
-15°	15054.3	24599.1	32931.3	38586.2	40221.5	39745.7	37814.6	35923.7	34191.5	33449.0	35242.9
-17.5°	13576.5	22734.8	30045.9	34875.7	36625.8	35722.8	34429.7	32274.0	30780.4	29841.5	30779.5
-20°	12469.6	19900.6	26129.1	30288.8	31171.9	30420.5	28824.1	27257.1	25665.1	24575.3	24605.5



REPORT NUMBER: P902079 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-LO

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	11599.3	17384.4	22449.4	25635.6	26154.3	25051.2	23843.5	22597.1	21423.9	20568.7	20095.5
-25°	10810.2	15154.3	19180.3	21181.0	21407.8	20474.4	19356.7	18532.6	17818.8	17264.5	16638.2
-27.5°	9374.2	13124.1	15575.7	16808.7	16661.3	15847.6	14815.2	14088.1	13838.5	13692.7	13474.7
-30°	7834.2	10307.9	12123.2	12250.8	11924.0	11099.2	10060.9	9390.6	9371.9	9559.2	9687.1
-32.5°	5758.6	7516.7	8250.8	8119.9	7362.7	6781.4	5981.6	5282.0	4934.3	5136.1	5310.8
-35°	3572.7	4699.7	4737.3	4648.6	4188.3	3632.2	2957.1	2515.0	2447.4	2600.7	2735.1
-37.5°	1884.6	2658.8	2743.4	2509.7	2112.8	1937.4	1683.5	1461.2	1418.9	1530.1	1670.0
-40°	968.5	1496.6	1363.4	1399.6	1313.9	1203.8	1111.4	1080.9	1121.4	1243.7	1366.9
-42.5°	358.3	779.1	780.1	888.2	909.9	914.1	922.3	942.8	1004.7	1124.5	1253.7
-45°	301.2	384.1	435.4	615.9	709.3	750.0	778.1	820.6	882.9	1015.7	1142.6
-47.5°	250.2	289.7	311.4	407.0	514.2	566.1	572.7	587.4	751.7	904.5	1037.8
-50°	208.6	239.2	263.8	297.7	384.0	428.6	439.4	448.2	477.8	706.8	681.5
-52.5°	168.4	194.5	216.4	249.6	293.1	341.8	367.8	380.5	370.5	345.6	398.9
-55°	143.7	158.6	169.7	200.2	233.3	271.2	302.6	327.2	328.3	319.0	317.6
-57.5°	125.7	132.0	141.2	149.4	172.9	207.1	238.4	267.3	288.9	301.6	312.8
-60°	111.0	117.9	118.0	119.9	119.7	141.9	170.1	197.2	222.2	248.6	285.5
-62.5°	100.8	104.6	105.5	100.2	96.5	99.7	101.2	128.6	147.0	169.6	204.3
-65°	87.3	87.6	87.4	86.4	80.4	85.7	80.4	84.7	81.9	100.5	119.5
-67.5°	73.1	75.2	70.0	73.9	68.9	72.9	66.3	72.1	73.5	67.7	72.2
-70°	61.9	63.6	60.7	63.4	58.3	61.8	56.8	58.2	59.3	54.2	58.2
-72.5°	49.1	50.0	51.9	56.8	53.2	52.0	50.4	45.7	47.7	45.5	45.4
-75°	37.2	39.6	43.7	47.4	42.4	40.6	43.9	43.7	40.4	41.4	43.3
-77.5°	27.2	30.7	34.1	37.4	29.9	29.1	32.1	35.0	32.2	30.5	29.6
-80°	18.9	21.7	24.4	27.0	17.5	17.6	19.9	22.2	24.4	26.5	28.5
-82.5°	10.6	12.7	14.8	16.7	6.6	7.0	8.6	10.1	11.5	12.9	14.2
-85°	2.2	3.6	5.0	6.3	1.2	1.1	1.2	1.4	1.5	1.6	0.1
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-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):

	-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°	14.9	15.4	15.8	16.2	16.5	16.8	17.1	17.4	17.6	17.8	17.9
85°	30.4	32.0	31.6	32.3	33.0	33.6	34.2	34.7	35.2	35.5	35.8
82.5°	57.4	58.7	51.2	48.7	49.5	50.4	51.3	52.0	52.7	53.3	53.7
80°	72.3	74.1	75.7	66.3	65.9	67.2	68.4	69.4	70.3	60.7	60.0
77.5°	87.1	89.4	91.4	83.5	82.4	84.0	85.5	86.8	76.9	76.2	77.1
75°	103.0	106.5	107.9	101.2	98.8	100.7	102.1	103.4	95.3	95.4	96.6
72.5°	125.4	130.1	127.8	119.2	116.1	118.5	113.4	110.2	111.5	113.4	114.5
70°	147.7	153.0	148.0	142.1	146.3	142.7	138.3	132.0	128.9	131.1	132.4
67.5°	176.8	182.6	175.6	172.4	175.5	167.3	163.1	161.2	158.5	154.4	152.6
65°	207.4	215.2	208.9	206.0	212.6	210.8	204.6	201.8	202.1	194.6	190.9
62.5°	247.7	252.3	246.1	252.2	254.8	256.1	258.2	251.1	248.1	245.9	235.1
60°	284.1	289.9	295.9	293.6	302.6	297.8	286.7	296.7	307.1	294.8	278.9
57.5°	317.3	319.3	340.4	345.5	353.1	354.0	347.1	366.8	388.6	397.4	368.1
55°	373.4	367.0	400.2	407.5	431.1	439.3	440.3	428.3	415.4	405.7	428.1
52.5°	498.2	485.4	505.3	517.6	537.4	626.4	739.1	709.9	651.8	740.0	727.5
50°	739.8	936.4	616.4	1037.7	1336.6	1477.7	1375.8	1494.0	1485.2	1331.6	1311.1
47.5°	2719.0	2738.7	2395.9	2567.8	2247.6	2308.1	2104.4	1928.2	1899.2	1829.9	1730.4
45°	9324.1	9129.3	7789.5	8391.1	6819.1	6788.5	5275.7	5052.5	4375.1	3533.7	3379.3
42.5°	30276.7	29818.5	29456.1	29993.9	26983.9	27709.4	22957.2	22564.9	19873.1	15307.5	16614.5
40°	61862.4	65398.0	68284.4	70783.1	73570.9	72515.0	72285.2	70057.3	69584.5	65975.9	64087.8
37.5°	86926.9	91786.7	97545.4	104967.3	110531.2	114705.7	118242.5	119029.6	120771.8	120251.1	120380.4
35°	99169.1	104368.8	114184.0	125199.7	135688.8	140512.2	145237.9	148089.9	152425.5	154205.0	157691.0
32.5°	100527.9	108124.4	120668.7	133764.6	143962.5	147787.8	151691.4	155611.2	159567.3	163251.9	167303.8
30°	96022.3	105533.4	119256.4	131124.3	136767.0	139571.7	142528.6	145463.4	148697.8	151806.8	154563.0
27.5°	89641.0	100255.8	113022.6	120680.5	123138.4	124552.4	126190.1	128203.4	130149.0	131767.0	133528.9
25°	83813.1	95725.4	104956.8	108500.8	109131.4	109595.8	110355.6	111137.5	112262.2	113053.6	113838.2
22.5°	80438.5	90396.4	96458.6	97503.3	97096.0	96821.6	96617.8	96884.3	97173.1	97212.5	97238.0
20°	77267.3	85634.3	88936.4	88397.0	87588.0	86705.6	86212.6	85828.7	85678.7	85240.7	84618.2
17.5°	74969.7	81045.0	82280.9	81311.0	80136.7	79132.1	78405.7	77790.8	77130.6	76395.5	75589.9
15°	72862.7	76909.3	76915.4	75583.0	74386.1	73251.1	72366.3	71513.6	70677.1	69758.0	68704.4
12.5°	70305.3	72826.9	71929.3	70536.3	69377.8	68190.4	67176.5	66204.9	65227.1	64103.4	63049.0
10°	67489.2	68622.9	67122.4	65777.0	64565.2	63433.3	62348.3	61327.9	60167.3	59001.2	57845.5
7.5°	63931.2	64062.9	62557.9	61226.7	59972.4	58829.5	57793.0	56636.3	55448.2	54234.5	53041.5
5°	60118.9	59854.8	58235.3	56942.5	55711.4	54530.6	53439.8	52254.6	51013.7	49745.6	48514.8
2.5°	56569.6	55941.9	54266.2	53073.7	51838.1	50620.5	49450.9	48207.1	46951.8	45622.0	44346.4
0°	52997.9	52322.6	50688.0	49403.8	48146.0	46930.5	45744.0	44514.5	43210.5	41882.4	40615.8
-2.5°	49741.8	49017.4	47397.9	46155.6	44911.9	43604.5	42370.9	41103.5	39818.2	38529.6	37310.3
-5°	46642.5	45960.3	44454.6	43130.9	41909.3	40598.0	39341.1	38087.6	36814.1	35570.0	34407.3
-7.5°	43814.7	43112.5	41671.3	40444.2	39188.8	37865.7	36616.2	35380.1	34144.0	32923.3	31800.1
-10°	40996.7	40325.6	38862.8	37719.5	36539.9	35294.3	34011.2	32774.5	31577.2	30393.3	29313.6
-12.5°	38473.9	37979.6	36451.9	35325.3	34263.1	33008.8	31698.8	30428.1	29203.5	28049.8	26968.9
-15°	36367.4	36113.1	34659.5	33517.6	32521.5	31326.3	30074.3	28775.7	27535.5	26403.7	25488.2
-17.5°	32357.4	32492.9	31290.1	30201.4	29212.9	28047.9	26936.0	25712.1	24531.1	23479.1	22647.5
-20°	26672.8	27266.5	26410.4	25396.4	24596.2	23689.3	22774.0	21845.2	20836.8	19934.3	19217.5



REPORT NUMBER: P902079 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	21173.3	22245.5	22003.2	21195.0	20552.5	19912.7	19217.1	18422.3	17682.2	16928.9	16275.8
-25°	16326.6	17459.4	17750.7	17177.9	16728.1	16366.5	15913.3	15477.9	14908.7	14455.7	13965.4
-27.5°	13136.2	13013.2	13188.3	13004.9	12617.6	12410.1	12197.5	11938.3	11734.9	11526.1	11403.8
-30°	9589.3	9375.3	9276.6	9127.6	9053.2	8898.4	8830.0	8787.9	8725.3	8808.4	8838.1
-32.5°	5540.2	5598.2	5568.2	5402.9	5174.7	5228.5	5201.9	5185.5	5210.4	5335.6	5406.8
-35°	2725.6	2939.8	3050.8	2927.6	2658.3	2615.2	2514.7	2626.3	2640.9	2736.3	2709.4
-37.5°	1744.2	1784.3	1964.8	1923.4	1733.0	1630.8	1527.9	1534.0	1505.3	1613.4	1645.9
-40°	1470.2	1545.5	1582.5	1575.7	1472.9	1380.8	1287.7	1263.6	1228.7	1239.3	1232.8
-42.5°	1384.6	1471.4	1473.4	1419.0	1340.3	1245.6	1185.5	1145.3	1130.7	1139.0	1142.9
-45°	1251.7	1325.4	1319.4	1267.0	1179.3	1102.9	1064.5	1038.6	1017.4	1017.8	1038.5
-47.5°	1100.8	1129.2	1154.5	1158.0	1066.0	984.2	960.1	936.5	897.3	918.1	944.1
-50°	916.7	979.2	1019.9	1037.9	979.0	895.3	863.8	852.9	830.1	850.5	901.4
-52.5°	455.7	661.8	868.6	910.5	830.0	763.2	740.3	710.5	723.8	771.5	799.9
-55°	307.1	367.6	416.5	564.6	628.3	628.1	611.3	596.9	603.4	630.7	607.6
-57.5°	300.4	303.7	322.7	366.3	387.9	399.8	423.3	441.8	473.5	494.3	514.5
-60°	311.0	306.7	319.8	332.1	322.8	317.1	319.5	330.5	326.3	322.9	328.0
-62.5°	229.9	255.1	289.4	293.7	278.2	287.6	285.1	291.3	286.9	285.9	288.3
-65°	131.6	160.8	192.6	215.8	207.8	222.0	225.6	235.4	239.4	241.0	241.9
-67.5°	80.5	95.0	117.8	126.2	128.7	136.2	135.1	136.8	141.0	151.5	161.0
-70°	62.1	70.7	83.6	87.6	90.0	87.9	82.6	77.6	74.3	69.8	79.1
-72.5°	47.4	57.9	68.0	77.8	78.7	66.8	64.4	63.9	62.7	63.6	71.4
-75°	43.9	47.1	51.5	63.1	60.6	58.8	60.2	60.4	60.5	60.7	60.8
-77.5°	30.7	32.9	41.6	54.3	42.7	41.8	43.6	44.9	46.0	47.0	47.7
-80°	29.1	29.1	33.1	46.3	25.9	25.1	26.5	27.5	28.4	29.2	29.8
-82.5°	15.6	16.9	18.2	23.1	15.4	15.4	15.5	15.6	15.7	11.6	11.9
-85°	0.7	1.6	2.4	3.2	3.9	4.5	5.1	5.6	6.1	0.9	0.8
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-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: P902079 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-LO

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°	14.6	5.0	5.0	5.0	5.0	5.0	14.6	17.9	17.8	17.6	17.4
85°	21.7	22.6	22.7	22.8	22.7	22.6	21.7	35.8	35.5	35.2	34.7
82.5°	50.1	51.0	51.3	51.4	51.3	51.0	50.1	53.7	53.3	52.7	52.0
80°	60.0	60.1	60.1	60.1	60.1	60.1	60.0	60.0	60.7	70.3	69.4
77.5°	79.6	80.2	80.9	81.1	80.9	80.2	79.6	77.1	76.2	76.9	86.8
75°	93.3	93.6	94.7	94.7	94.7	93.6	93.3	96.6	95.4	95.3	103.4
72.5°	104.5	104.9	105.5	105.6	105.5	104.9	104.5	114.5	113.4	111.5	110.2
70°	123.1	121.5	121.9	122.0	121.9	121.5	123.1	132.4	131.1	128.9	132.0
67.5°	144.4	143.7	144.8	142.0	144.8	143.7	144.4	152.6	154.4	158.5	161.2
65°	182.1	179.6	180.8	167.5	180.8	179.6	182.1	190.9	194.6	202.1	201.8
62.5°	222.5	218.4	219.3	205.3	219.3	218.4	222.5	235.1	245.9	248.1	251.1
60°	270.1	262.5	259.8	260.3	259.8	262.5	270.1	278.9	294.8	307.1	296.7
57.5°	345.7	327.8	321.9	321.3	321.9	327.8	345.7	368.1	397.4	388.6	366.8
55°	430.1	439.6	441.6	441.5	441.6	439.6	430.1	428.1	405.7	415.4	428.3
52.5°	735.0	735.4	733.1	732.2	733.1	735.4	735.0	727.5	740.0	651.8	709.9
50°	1189.5	1153.3	1092.5	1066.7	1092.5	1153.3	1189.5	1311.1	1331.6	1485.2	1494.0
47.5°	1635.0	1700.6	1701.3	1676.1	1701.3	1700.6	1635.0	1730.4	1829.9	1899.2	1928.2
45°	3385.4	3246.6	3108.0	3010.8	3108.0	3246.6	3385.4	3379.3	3533.7	4375.1	5052.5
42.5°	15797.6	13946.6	12535.2	11814.6	12535.2	13946.6	15797.6	16614.5	15307.5	19873.1	22564.9
40°	63217.9	62137.8	60910.0	60038.8	60910.0	62137.8	63217.9	64087.8	65975.9	69584.5	70057.3
37.5°	120863.4	120389.5	119622.8	118978.7	119622.8	120389.5	120863.4	120380.4	120251.1	120771.8	119029.6
35°	159412.0	159874.2	160053.9	159911.2	160053.9	159874.2	159412.0	157691.0	154205.0	152425.5	148089.9
32.5°	168905.3	170864.4	172181.2	172464.9	172181.2	170864.4	168905.3	167303.8	163251.9	159567.3	155611.2
30°	156383.7	158234.4	159299.2	159809.3	159299.2	158234.4	156383.7	154563.0	151806.8	148697.8	145463.4
27.5°	134908.4	135917.3	136476.7	136658.8	136476.7	135917.3	134908.4	133528.9	131767.0	130149.0	128203.4
25°	113992.2	114512.0	114651.4	114749.7	114651.4	114512.0	113992.2	113838.2	113053.6	112262.2	111137.5
22.5°	96980.9	96883.0	96582.8	96554.0	96582.8	96883.0	96980.9	97238.0	97212.5	97173.1	96884.3
20°	84183.9	83799.7	83393.6	83229.4	83393.6	83799.7	84183.9	84618.2	85240.7	85678.7	85828.7
17.5°	74987.2	74315.5	73965.2	73965.0	73965.2	74315.5	74987.2	75589.9	76395.5	77130.6	77790.8
15°	67952.6	67244.0	66844.7	66881.7	66844.7	67244.0	67952.6	68704.4	69758.0	70677.1	71513.6
12.5°	62125.8	61340.6	60850.6	60788.1	60850.6	61340.6	62125.8	63049.0	64103.4	65227.1	66204.9
10°	56809.5	55978.6	55435.2	55350.7	55435.2	55978.6	56809.5	57845.5	59001.2	60167.3	61327.9
7.5°	51920.4	51057.6	50480.1	50342.5	50480.1	51057.6	51920.4	53041.5	54234.5	55448.2	56636.3
5°	47427.5	46550.5	45965.6	45767.5	45965.6	46550.5	47427.5	48514.8	49745.6	51013.7	52254.6
2.5°	43230.7	42394.7	41833.8	41586.5	41833.8	42394.7	43230.7	44346.4	45622.0	46951.8	48207.1
0°	39536.9	38676.2	38138.0	37944.1	38138.0	38676.2	39536.9	40615.8	41882.4	43210.5	44514.5
-2.5°	36234.6	35440.4	34945.7	34792.7	34945.7	35440.4	36234.6	37310.3	38529.6	39818.2	41103.5
-5°	33399.6	32609.8	32057.0	31883.9	32057.0	32609.8	33399.6	34407.3	35570.0	36814.1	38087.6
-7.5°	30819.3	30023.4	29528.2	29291.4	29528.2	30023.4	30819.3	31800.1	32923.3	34144.0	35380.1
-10°	28373.4	27590.8	27126.7	26854.4	27126.7	27590.8	28373.4	29313.6	30393.3	31577.2	32774.5
-12.5°	26246.5	25487.0	25133.7	24984.4	25133.7	25487.0	26246.5	26968.9	28049.8	29203.5	30428.1
-15°	24548.3	23866.9	23372.4	23262.7	23372.4	23866.9	24548.3	25488.2	26403.7	27535.5	28775.7
-17.5°	21795.6	21337.8	20764.3	20620.3	20764.3	21337.8	21795.6	22647.5	23479.1	24531.1	25712.1
-20°	18541.5	18109.9	17883.7	17802.5	17883.7	18109.9	18541.5	19217.5	19934.3	20836.8	21845.2



REPORT NUMBER: P902079 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-LO

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	15796.1	15453.7	15228.2	15140.3	15228.2	15453.7	15796.1	16275.8	16928.9	17682.2	18422.3
-25°	13707.7	13403.2	13214.2	13165.3	13214.2	13403.2	13707.7	13965.4	14455.7	14908.7	15477.9
-27.5°	11226.5	11019.5	10939.5	10880.4	10939.5	11019.5	11226.5	11403.8	11526.1	11734.9	11938.3
-30°	8857.2	8906.5	9013.0	9006.8	9013.0	8906.5	8857.2	8838.1	8808.4	8725.3	8787.9
-32.5°	5605.1	5723.9	5854.5	5910.9	5854.5	5723.9	5605.1	5406.8	5335.6	5210.4	5185.5
-35°	2809.1	2960.9	3096.2	3160.9	3096.2	2960.9	2809.1	2709.4	2736.3	2640.9	2626.3
-37.5°	1675.1	1806.7	1900.8	1916.7	1900.8	1806.7	1675.1	1645.9	1613.4	1505.3	1534.0
-40°	1264.3	1310.1	1378.3	1383.4	1378.3	1310.1	1264.3	1232.8	1239.3	1228.7	1263.6
-42.5°	1159.3	1204.1	1205.0	1208.7	1205.0	1204.1	1159.3	1142.9	1139.0	1130.7	1145.3
-45°	1081.7	1127.0	1091.4	1085.8	1091.4	1127.0	1081.7	1038.5	1017.8	1017.4	1038.6
-47.5°	1017.4	1014.6	989.8	1025.7	989.8	1014.6	1017.4	944.1	918.1	897.3	936.5
-50°	928.5	895.5	877.9	871.9	877.9	895.5	928.5	901.4	850.5	830.1	852.9
-52.5°	804.5	771.2	777.8	800.4	777.8	771.2	804.5	799.9	771.5	723.8	710.5
-55°	621.4	628.3	637.6	682.6	637.6	628.3	621.4	607.6	630.7	603.4	596.9
-57.5°	525.4	530.9	525.6	525.1	525.6	530.9	525.4	514.5	494.3	473.5	441.8
-60°	321.5	320.0	323.3	324.0	323.3	320.0	321.5	328.0	322.9	326.3	330.5
-62.5°	289.2	290.8	293.9	294.4	293.9	290.8	289.2	288.3	285.9	286.9	291.3
-65°	248.2	248.2	251.2	252.1	251.2	248.2	248.2	241.9	241.0	239.4	235.4
-67.5°	159.4	161.0	165.1	166.1	165.1	161.0	159.4	161.0	151.5	141.0	136.8
-70°	73.1	70.9	72.6	72.8	72.6	70.9	73.1	79.1	69.8	74.3	77.6
-72.5°	67.3	66.3	66.4	67.8	66.4	66.3	67.3	71.4	63.6	62.7	63.9
-75°	61.6	61.8	62.8	62.8	62.8	61.8	61.6	60.8	60.7	60.5	60.4
-77.5°	48.4	48.8	49.5	49.6	49.5	48.8	48.4	47.7	47.0	46.0	44.9
-80°	30.3	30.6	30.8	30.9	30.8	30.6	30.3	29.8	29.2	28.4	27.5
-82.5°	12.3	12.5	12.7	12.8	12.7	12.5	12.3	11.9	11.6	15.7	15.6
-85°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.8	0.9	6.1	5.6
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-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: P902079 (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°	17.1	16.8	16.5	16.2	15.8	15.4	14.9	14.5	14.0	13.5	12.9
85°	34.2	33.6	33.0	32.3	31.6	32.0	30.4	28.8	27.9	27.3	35.5
82.5°	51.3	50.4	49.5	48.7	51.2	58.7	57.4	55.6	52.8	50.2	51.3
80°	68.4	67.2	65.9	66.3	75.7	74.1	72.3	70.4	68.4	66.3	64.1
77.5°	85.5	84.0	82.4	83.5	91.4	89.4	87.1	84.8	82.3	77.6	71.7
75°	102.1	100.7	98.8	101.2	107.9	106.5	103.0	99.0	92.4	84.0	76.8
72.5°	113.4	118.5	116.1	119.2	127.8	130.1	125.4	114.9	108.6	99.2	91.4
70°	138.3	142.7	146.3	142.1	148.0	153.0	147.7	132.6	125.2	124.0	116.4
67.5°	163.1	167.3	175.5	172.4	175.6	182.6	176.8	166.3	147.0	147.3	141.2
65°	204.6	210.8	212.6	206.0	208.9	215.2	207.4	194.8	173.1	162.5	155.2
62.5°	258.2	256.1	254.8	252.2	246.1	252.3	247.7	228.8	204.3	187.9	175.6
60°	286.7	297.8	302.6	293.6	295.9	289.9	284.1	277.6	254.2	223.5	204.5
57.5°	347.1	354.0	353.1	345.5	340.4	319.3	317.3	334.4	336.5	306.1	251.2
55°	440.3	439.3	431.1	407.5	400.2	367.0	373.4	402.0	416.3	426.4	336.7
52.5°	739.1	626.4	537.4	517.6	505.3	485.4	498.2	525.9	576.0	618.7	539.9
50°	1375.8	1477.7	1336.6	1037.7	616.4	936.4	739.8	1039.1	1322.1	1041.6	1129.3
47.5°	2104.4	2308.1	2247.6	2567.8	2395.9	2738.7	2719.0	2962.9	2826.9	2313.9	2342.9
45°	5275.7	6788.5	6819.1	8391.1	7789.5	9129.3	9324.1	8543.2	8541.8	6499.7	4424.3
42.5°	22957.2	27709.4	26983.9	29993.9	29456.1	29818.5	30276.7	28762.8	25394.4	19978.0	12628.5
40°	72285.2	72515.0	73570.9	70783.1	68284.4	65398.0	61862.4	58989.0	54422.9	42345.7	28549.5
37.5°	118242.5	114705.7	110531.2	104967.3	97545.4	91786.7	86926.9	82228.2	76435.5	66886.8	48341.4
35°	145237.9	140512.2	135688.8	125199.7	114184.0	104368.8	99169.1	94998.1	89801.1	81778.6	67014.9
32.5°	151691.4	147787.8	143962.5	133764.6	120668.7	108124.4	100527.9	98029.9	94686.4	89216.5	77706.4
30°	142528.6	139571.7	136767.0	131124.3	119256.4	105533.4	96022.3	92386.8	91227.2	88757.9	81873.4
27.5°	126190.1	124552.4	123138.4	120680.5	113022.6	100255.8	89641.0	85238.1	84695.6	84155.8	80379.6
25°	110355.6	109595.8	109131.4	108500.8	104956.8	95725.4	83813.1	78114.8	77669.6	78532.3	77574.0
22.5°	96617.8	96821.6	97096.0	97503.3	96458.6	90396.4	80438.5	73246.3	71612.6	72569.8	73036.2
20°	86212.6	86705.6	87588.0	88397.0	88936.4	85634.3	77267.3	69054.7	66262.2	67330.7	68714.5
17.5°	78405.7	79132.1	80136.7	81311.0	82280.9	81045.0	74969.7	66946.0	62830.8	63082.5	64741.2
15°	72366.3	73251.1	74386.1	75583.0	76915.4	76909.3	72862.7	64945.5	60030.8	59607.1	61211.1
12.5°	67176.5	68190.4	69377.8	70536.3	71929.3	72826.9	70305.3	63709.2	58142.8	56705.5	58235.3
10°	62348.3	63433.3	64565.2	65777.0	67122.4	68622.9	67489.2	61931.1	56285.4	54377.1	55497.6
7.5°	57793.0	58829.5	59972.4	61226.7	62557.9	64062.9	63931.2	59639.4	54080.0	51964.9	52883.1
5°	53439.8	54530.6	55711.4	56942.5	58235.3	59854.8	60118.9	56818.6	51638.2	49510.4	50413.1
2.5°	49450.9	50620.5	51838.1	53073.7	54266.2	55941.9	56569.6	53846.2	49141.6	47163.4	48096.6
0°	45744.0	46930.5	48146.0	49403.8	50688.0	52322.6	52997.9	50694.4	46752.5	44879.0	45946.1
-2.5°	42370.9	43604.5	44911.9	46155.6	47397.9	49017.4	49741.8	47811.2	44555.3	42966.3	44068.2
-5°	39341.1	40598.0	41909.3	43130.9	44454.6	45960.3	46642.5	45003.3	42344.8	41056.7	42299.6
-7.5°	36616.2	37865.7	39188.8	40444.2	41671.3	43112.5	43814.7	42303.9	40094.4	39168.4	40560.0
-10°	34011.2	35294.3	36539.9	37719.5	38862.8	40325.6	40996.7	39623.1	37637.4	37278.6	38789.1
-12.5°	31698.8	33008.8	34263.1	35325.3	36451.9	37979.6	38473.9	37352.2	35400.5	35680.2	37489.4
-15°	30074.3	31326.3	32521.5	33517.6	34659.5	36113.1	36367.4	35242.9	33449.0	34191.5	35923.7
-17.5°	26936.0	28047.9	29212.9	30201.4	31290.1	32492.9	32357.4	30779.5	29841.5	30780.4	32274.0
-20°	22774.0	23689.3	24596.2	25396.4	26410.4	27266.5	26672.8	24605.5	24575.3	25665.1	27257.1



REPORT NUMBER: P902079 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-LO

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	19217.1	19912.7	20552.5	21195.0	22003.2	22245.5	21173.3	20095.5	20568.7	21423.9	22597.1
-25°	15913.3	16366.5	16728.1	17177.9	17750.7	17459.4	16326.6	16638.2	17264.5	17818.8	18532.6
-27.5°	12197.5	12410.1	12617.6	13004.9	13188.3	13013.2	13136.2	13474.7	13692.7	13838.5	14088.1
-30°	8830.0	8898.4	9053.2	9127.6	9276.6	9375.3	9589.3	9687.1	9559.2	9371.9	9390.6
-32.5°	5201.9	5228.5	5174.7	5402.9	5568.2	5598.2	5540.2	5310.8	5136.1	4934.3	5282.0
-35°	2514.7	2615.2	2658.3	2927.6	3050.8	2939.8	2725.6	2735.1	2600.7	2447.4	2515.0
-37.5°	1527.9	1630.8	1733.0	1923.4	1964.8	1784.3	1744.2	1670.0	1530.1	1418.9	1461.2
-40°	1287.7	1380.8	1472.9	1575.7	1582.5	1545.5	1470.2	1366.9	1243.7	1121.4	1080.9
-42.5°	1185.5	1245.6	1340.3	1419.0	1473.4	1471.4	1384.6	1253.7	1124.5	1004.7	942.8
-45°	1064.5	1102.9	1179.3	1267.0	1319.4	1325.4	1251.7	1142.6	1015.7	882.9	820.6
-47.5°	960.1	984.2	1066.0	1158.0	1154.5	1129.2	1100.8	1037.8	904.5	751.7	587.4
-50°	863.8	895.3	979.0	1037.9	1019.9	979.2	916.7	681.5	706.8	477.8	448.2
-52.5°	740.3	763.2	830.0	910.5	868.6	661.8	455.7	398.9	345.6	370.5	380.5
-55°	611.3	628.1	628.3	564.6	416.5	367.6	307.1	317.6	319.0	328.3	327.2
-57.5°	423.3	399.8	387.9	366.3	322.7	303.7	300.4	312.8	301.6	288.9	267.3
-60°	319.5	317.1	322.8	332.1	319.8	306.7	311.0	285.5	248.6	222.2	197.2
-62.5°	285.1	287.6	278.2	293.7	289.4	255.1	229.9	204.3	169.6	147.0	128.6
-65°	225.6	222.0	207.8	215.8	192.6	160.8	131.6	119.5	100.5	81.9	84.7
-67.5°	135.1	136.2	128.7	126.2	117.8	95.0	80.5	72.2	67.7	73.5	72.1
-70°	82.6	87.9	90.0	87.6	83.6	70.7	62.1	58.2	54.2	59.3	58.2
-72.5°	64.4	66.8	78.7	77.8	68.0	57.9	47.4	45.4	45.5	47.7	45.7
-75°	60.2	58.8	60.6	63.1	51.5	47.1	43.9	43.3	41.4	40.4	43.7
-77.5°	43.6	41.8	42.7	54.3	41.6	32.9	30.7	29.6	30.5	32.2	35.0
-80°	26.5	25.1	25.9	46.3	33.1	29.1	29.1	28.5	26.5	24.4	22.2
-82.5°	15.5	15.4	15.4	23.1	18.2	16.9	15.6	14.2	12.9	11.5	10.1
-85°	5.1	4.5	3.9	3.2	2.4	1.6	0.7	0.1	1.6	1.5	1.4
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-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: P902079 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-LO

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	12.3	11.7	11.2	20.9	19.5	18.2	16.8	15.4	13.9	12.4	10.9
85°	33.4	31.1	29.1	34.6	33.5	32.3	31.1	29.8	27.8	24.9	21.9
82.5°	49.6	47.8	45.9	44.2	42.2	40.2	38.4	37.2	40.9	37.0	34.0
80°	61.8	59.4	56.9	56.4	61.6	57.1	55.0	49.3	53.8	49.3	48.4
77.5°	71.4	71.0	67.9	66.3	72.2	75.9	81.0	76.3	67.7	63.5	62.1
75°	73.3	72.4	74.6	74.9	76.2	89.4	99.0	96.6	82.8	80.5	73.0
72.5°	85.4	81.2	81.6	85.1	96.2	111.8	112.7	105.7	97.9	96.5	82.2
70°	107.2	97.6	87.7	93.1	119.4	140.8	135.6	119.4	112.4	108.1	91.1
67.5°	124.4	118.3	108.8	109.0	144.2	168.5	158.4	140.2	128.0	119.1	99.5
65°	139.7	129.4	124.1	132.2	180.0	201.4	181.0	160.7	143.6	130.1	107.8
62.5°	162.8	149.5	140.2	165.6	224.0	243.3	207.3	181.0	158.4	141.4	115.8
60°	185.6	174.3	164.2	215.3	282.7	285.8	243.3	203.2	176.3	152.5	127.4
57.5°	217.4	206.7	189.6	279.2	347.1	332.1	282.5	232.5	193.8	167.0	139.9
55°	274.4	239.6	227.0	318.9	416.2	381.1	330.2	259.2	215.8	182.2	152.9
52.5°	376.8	290.9	270.9	345.5	423.2	436.1	379.8	304.3	238.1	197.0	164.1
50°	618.6	573.6	440.2	364.5	431.7	458.9	425.1	349.2	264.7	212.4	173.5
47.5°	1963.7	1713.2	1029.1	744.9	447.0	477.8	465.3	385.0	296.1	225.2	181.0
45°	4042.7	3407.7	2455.3	1471.1	695.5	538.6	496.2	414.6	323.1	235.1	188.2
42.5°	7451.8	5794.6	4198.8	2442.2	1384.9	847.7	530.8	442.0	347.5	256.9	199.0
40°	16974.5	9879.3	6172.8	3093.0	1951.2	1391.6	852.7	561.6	372.9	277.6	209.6
37.5°	29869.5	17573.3	10515.9	4839.2	2321.9	1712.2	1215.9	814.3	395.9	296.9	219.8
35°	45955.9	27243.8	16351.2	6592.9	2787.7	2023.7	1556.8	1162.8	498.2	315.5	233.3
32.5°	58706.4	38667.4	24477.4	12523.5	4365.5	2430.2	1837.9	1318.4	693.9	332.7	247.2
30°	68021.2	48009.1	31586.9	18814.6	5910.2	2825.5	2102.6	1477.5	894.2	348.1	260.4
27.5°	70557.3	54229.8	38084.5	24420.4	9727.5	3649.4	2291.1	1616.7	1093.7	362.2	273.8
25°	71331.7	58541.4	42728.9	29616.4	14385.8	4762.8	2453.5	1693.9	1209.2	385.5	287.2
22.5°	69591.4	60215.2	46055.3	34642.0	18613.6	5886.4	2566.1	1716.6	1111.6	428.8	296.0
20°	67138.9	60356.4	48541.2	37277.8	22604.0	7312.9	2714.2	1711.7	1059.3	434.5	303.0
17.5°	64730.4	60040.2	50030.5	39111.4	26323.0	10683.2	3253.7	1701.6	1086.3	457.1	309.8
15°	61716.3	58584.4	50674.8	40298.4	29400.3	13898.2	4346.7	1811.2	1166.0	473.7	316.5
12.5°	59056.6	56813.8	50301.7	40983.4	31744.3	16786.5	5688.8	2128.2	1223.6	481.9	321.8
10°	56656.3	55185.4	49774.0	41459.7	33307.9	19403.1	7039.2	2533.6	1311.3	482.7	325.0
7.5°	54378.9	53618.9	49210.9	41725.7	33843.1	21621.7	8571.3	3079.0	1412.5	478.9	327.9
5°	52063.9	52074.8	48589.3	42004.0	34278.0	23420.8	10038.0	3651.8	1546.4	479.3	337.1
2.5°	49897.2	50520.3	47911.7	42146.3	34690.9	24842.4	11599.5	4339.8	1717.8	478.6	345.5
0°	47854.3	48967.8	47162.1	42187.2	35029.3	25882.8	12997.4	4965.7	1870.8	475.1	352.7
-2.5°	46072.8	47461.9	46241.3	42032.1	35276.7	26504.0	14226.9	5647.3	2139.5	730.0	365.6
-5°	44362.7	45873.7	45213.5	41668.7	35316.9	26784.6	15178.6	6191.9	2358.9	968.2	376.3
-7.5°	42670.1	44267.9	44075.6	41169.1	35178.7	26664.5	15688.0	6711.6	2625.7	1162.0	383.8
-10°	40974.6	42728.5	42885.0	40579.0	34898.2	26380.4	15908.9	7079.1	2889.8	1275.1	391.0
-12.5°	39581.3	41356.6	42002.4	39994.7	34217.7	25925.6	15654.6	7190.8	3102.9	1341.1	394.7
-15°	37814.6	39745.7	40221.5	38586.2	32931.3	24599.1	15054.3	7092.7	3418.6	1398.2	393.4
-17.5°	34429.7	35722.8	36625.8	34875.7	30045.9	22734.8	13576.5	7099.5	3674.2	1418.7	382.8
-20°	28824.1	30420.5	31171.9	30288.8	26129.1	19900.6	12469.6	7135.9	3851.3	1312.2	362.5



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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°	23843.5	25051.2	26154.3	25635.6	22449.4	17384.4	11599.3	7127.0	3863.0	1037.1	334.7
-25°	19356.7	20474.4	21407.8	21181.0	19180.3	15154.3	10810.2	6730.4	3680.4	619.2	310.1
-27.5°	14815.2	15847.6	16661.3	16808.7	15575.7	13124.1	9374.2	6116.5	2860.6	499.6	284.4
-30°	10060.9	11099.2	11924.0	12250.8	12123.2	10307.9	7834.2	4827.2	2038.6	432.0	260.1
-32.5°	5981.6	6781.4	7362.7	8119.9	8250.8	7516.7	5758.6	3331.0	1304.6	355.6	237.4
-35°	2957.1	3632.2	4188.3	4648.6	4737.3	4699.7	3572.7	1883.8	654.3	281.6	216.9
-37.5°	1683.5	1937.4	2112.8	2509.7	2743.4	2658.8	1884.6	948.5	359.5	233.2	200.8
-40°	1111.4	1203.8	1313.9	1399.6	1363.4	1496.6	968.5	507.0	286.1	215.6	187.6
-42.5°	922.3	914.1	909.9	888.2	780.1	779.1	358.3	302.4	232.3	199.6	174.1
-45°	778.1	750.0	709.3	615.9	435.4	384.1	301.2	254.0	198.1	185.2	160.1
-47.5°	572.7	566.1	514.2	407.0	311.4	289.7	250.2	212.8	179.7	168.4	145.3
-50°	439.4	428.6	384.0	297.7	263.8	239.2	208.6	180.4	159.1	150.4	130.1
-52.5°	367.8	341.8	293.1	249.6	216.4	194.5	168.4	157.7	143.1	134.1	114.8
-55°	302.6	271.2	233.3	200.2	169.7	158.6	143.7	136.1	128.9	119.7	100.3
-57.5°	238.4	207.1	172.9	149.4	141.2	132.0	125.7	120.3	114.8	107.1	93.5
-60°	170.1	141.9	119.7	119.9	118.0	117.9	111.0	104.1	100.2	96.2	87.5
-62.5°	101.2	99.7	96.5	100.2	105.5	104.6	100.8	88.3	85.4	84.6	80.3
-65°	80.4	85.7	80.4	86.4	87.4	87.6	87.3	74.9	76.2	74.6	71.0
-67.5°	66.3	72.9	68.9	73.9	70.0	75.2	73.1	65.9	68.3	66.0	62.8
-70°	56.8	61.8	58.3	63.4	60.7	63.6	61.9	58.7	56.8	56.5	55.1
-72.5°	50.4	52.0	53.2	56.8	51.9	50.0	49.1	46.9	42.4	46.0	45.3
-75°	43.9	40.6	42.4	47.4	43.7	39.6	37.2	32.9	30.4	38.0	35.4
-77.5°	32.1	29.1	29.9	37.4	34.1	30.7	27.2	23.6	22.7	31.0	25.5
-80°	19.9	17.6	17.5	27.0	24.4	21.7	18.9	16.1	14.8	20.4	15.2
-82.5°	8.6	7.0	6.6	16.7	14.8	12.7	10.6	8.5	6.7	8.1	4.3
-85°	1.2	1.1	1.2	6.3	5.0	3.6	2.2	0.8	0.0	0.0	0.3
-87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
-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°	9.4	11.3	5.9	4.5	3.0	1.5	0.0
85°	19.0	22.5	11.8	8.9	5.9	3.0	0.0
82.5°	28.8	33.4	17.7	13.3	8.9	4.5	0.0
80°	37.8	42.0	23.6	17.7	11.8	5.9	0.0
77.5°	46.3	45.8	29.5	22.1	14.8	7.4	0.0
75°	54.4	49.7	35.7	26.4	17.6	8.8	0.0
72.5°	62.7	54.0	41.8	30.9	20.5	10.3	0.0
70°	71.1	59.7	47.7	35.4	23.3	11.7	0.0
67.5°	79.4	66.7	53.6	39.9	26.1	13.1	0.0
65°	87.6	73.4	59.2	44.2	28.8	14.4	0.0
62.5°	95.8	80.1	64.6	48.5	31.3	15.8	0.0
60°	103.6	86.6	69.8	52.6	33.6	17.1	0.0
57.5°	111.1	93.0	74.9	56.6	35.7	18.3	0.0
55°	122.1	99.1	79.8	59.3	37.6	19.6	0.0
52.5°	132.0	105.1	84.6	61.5	39.3	20.8	0.0
50°	140.4	111.0	89.3	63.4	40.8	21.9	0.0
47.5°	147.4	117.0	93.2	64.8	42.1	23.1	0.0
45°	154.3	122.7	95.9	65.9	43.1	24.1	0.0
42.5°	161.8	128.3	98.4	66.5	43.9	25.2	0.0
40°	170.2	133.5	100.8	67.5	44.5	26.1	0.0
37.5°	178.8	138.6	102.9	69.1	44.8	27.1	0.0
35°	186.3	144.5	105.6	71.7	45.3	27.6	0.0
32.5°	192.0	150.0	108.8	74.4	46.0	28.1	0.0
30°	196.2	154.3	112.0	77.0	46.7	28.5	0.0
27.5°	199.6	157.4	115.5	79.4	48.2	28.9	0.0
25°	203.6	159.5	118.1	81.5	49.6	29.2	0.0
22.5°	208.0	160.9	120.0	83.5	50.9	29.6	0.0
20°	213.9	163.4	121.2	85.2	52.1	29.8	0.0
17.5°	221.2	166.0	121.6	86.7	53.1	30.1	0.0
15°	227.7	169.0	121.4	88.0	54.0	30.3	0.0
12.5°	233.2	171.8	122.3	89.0	54.7	30.5	0.0
10°	237.7	174.2	123.5	89.9	55.3	30.7	0.0
7.5°	241.2	176.1	124.4	90.6	55.8	30.8	0.0
5°	243.7	177.4	125.1	91.1	56.2	30.9	0.0
2.5°	245.2	178.2	125.5	91.4	56.4	30.9	0.0
0°	245.8	178.4	125.6	91.5	56.5	31.0	0.0
-2.5°	248.7	178.8	125.5	91.4	56.4	30.5	0.0
-5°	250.6	178.6	125.1	91.1	56.2	30.0	0.0
-7.5°	251.4	177.7	124.4	90.6	55.8	29.5	0.0
-10°	251.1	175.9	123.5	89.9	55.3	29.0	0.0
-12.5°	248.8	173.1	122.3	89.0	54.7	28.4	0.0
-15°	244.2	169.4	120.9	88.0	54.0	27.7	0.0
-17.5°	237.3	165.7	119.2	86.7	53.1	27.0	0.0
-20°	227.6	161.9	117.3	85.3	52.1	26.3	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	219.2	157.8	115.1	83.6	50.9	25.5	0.0
-25°	211.7	153.1	112.7	81.8	49.6	24.6	0.0
-27.5°	203.4	148.0	110.0	79.9	48.2	23.7	0.0
-30°	194.0	142.4	107.0	77.7	46.7	22.7	0.0
-32.5°	183.4	136.5	102.2	75.4	45.0	21.6	0.0
-35°	173.4	130.0	96.6	72.9	43.3	20.5	0.0
-37.5°	164.3	123.2	90.6	70.2	41.4	19.4	0.0
-40°	155.7	116.0	84.9	67.2	39.6	18.3	0.0
-42.5°	145.1	108.5	79.0	63.7	37.6	17.2	0.0
-45°	132.9	100.5	73.1	59.5	35.5	16.2	0.0
-47.5°	120.2	92.3	67.0	55.6	33.4	15.1	0.0
-50°	109.4	83.7	62.0	51.9	31.1	14.1	0.0
-52.5°	99.8	77.8	57.3	48.4	28.8	13.1	0.0
-55°	91.2	71.8	54.3	45.2	26.4	12.1	0.0
-57.5°	83.6	65.7	51.7	42.1	23.9	11.1	0.0
-60°	76.0	59.3	49.0	38.4	21.4	10.2	0.0
-62.5°	68.2	53.7	46.2	34.5	18.8	9.3	0.0
-65°	60.2	48.3	43.4	30.5	16.1	8.3	0.0
-67.5°	52.1	42.3	39.3	26.4	14.0	7.4	0.0
-70°	43.8	35.7	33.8	22.2	12.5	6.6	0.0
-72.5°	35.4	29.6	28.2	18.0	11.0	5.7	0.0
-75°	27.9	24.7	22.5	14.1	9.4	4.9	0.0
-77.5°	23.4	20.1	16.7	11.8	7.9	4.0	0.0
-80°	18.8	15.8	12.6	9.5	6.3	3.2	0.0
-82.5°	14.1	11.8	9.5	7.1	4.8	2.4	0.0
-85°	9.4	7.9	6.3	4.8	3.2	1.6	0.0
-87.5°	4.7	3.9	3.2	2.4	1.6	0.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)