

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: P902075 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/13/2024

Test Information

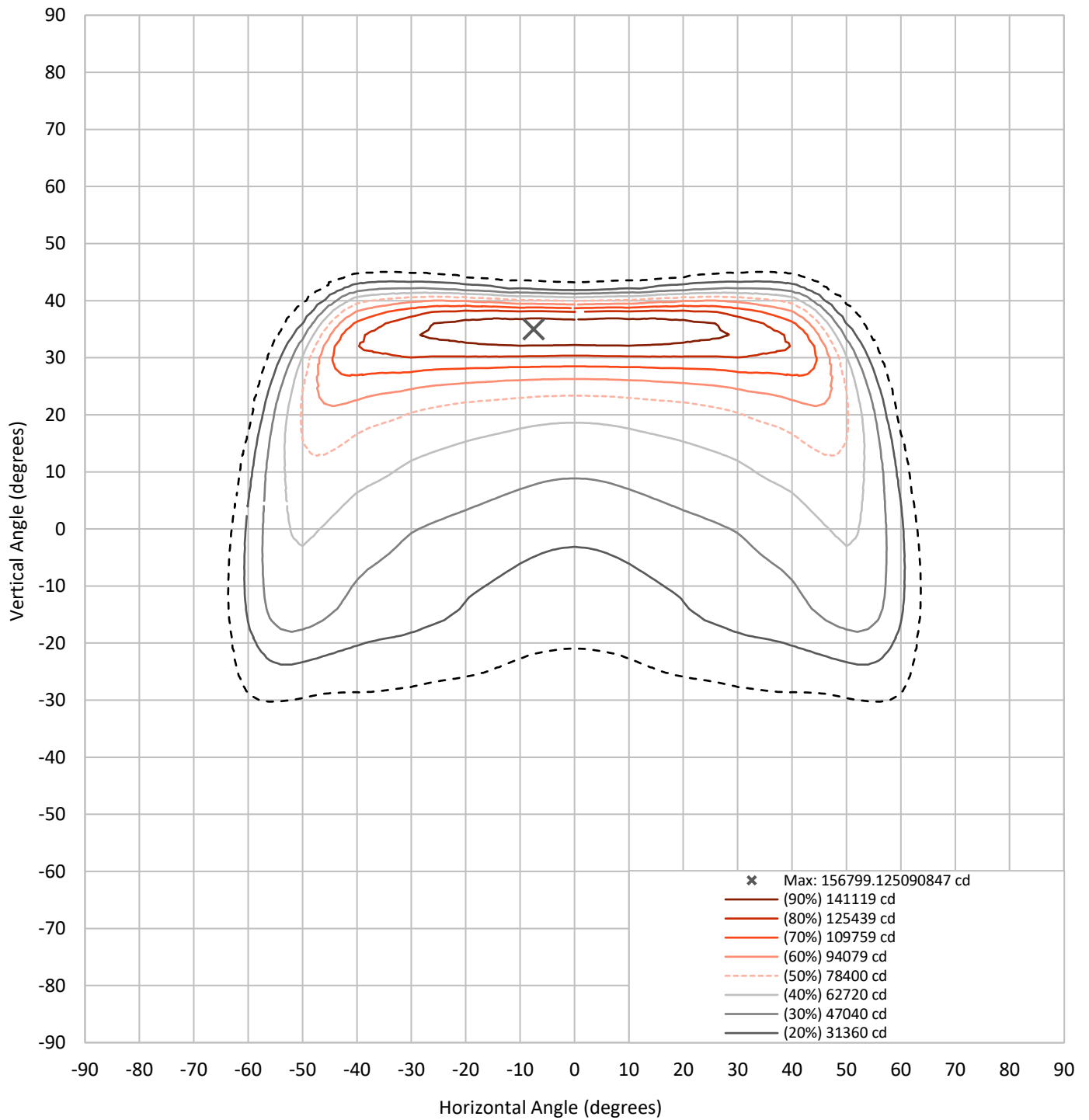
Test Method: LM-79-08
Report Number: P902075 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVM2049200)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A35-WB-LO
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A35-WB-LO OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 4V
Luminaire Lumens:	133431.9 lumens	Max Intensity:	156799.1 candela
Efficiency:	N/A	Max Intensity Angle:	-7.5°H x 35°V
Efficacy:	94.4 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	91.9°H x 16.9°V	Field Angle (10%):	107.3°H x 65°V
Beam Lumens:	57247.5 lumens	Field Lumens:	127138.6 lumens
Beam Efficiency:	42.9%	Field Efficiency:	95.3%
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		

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

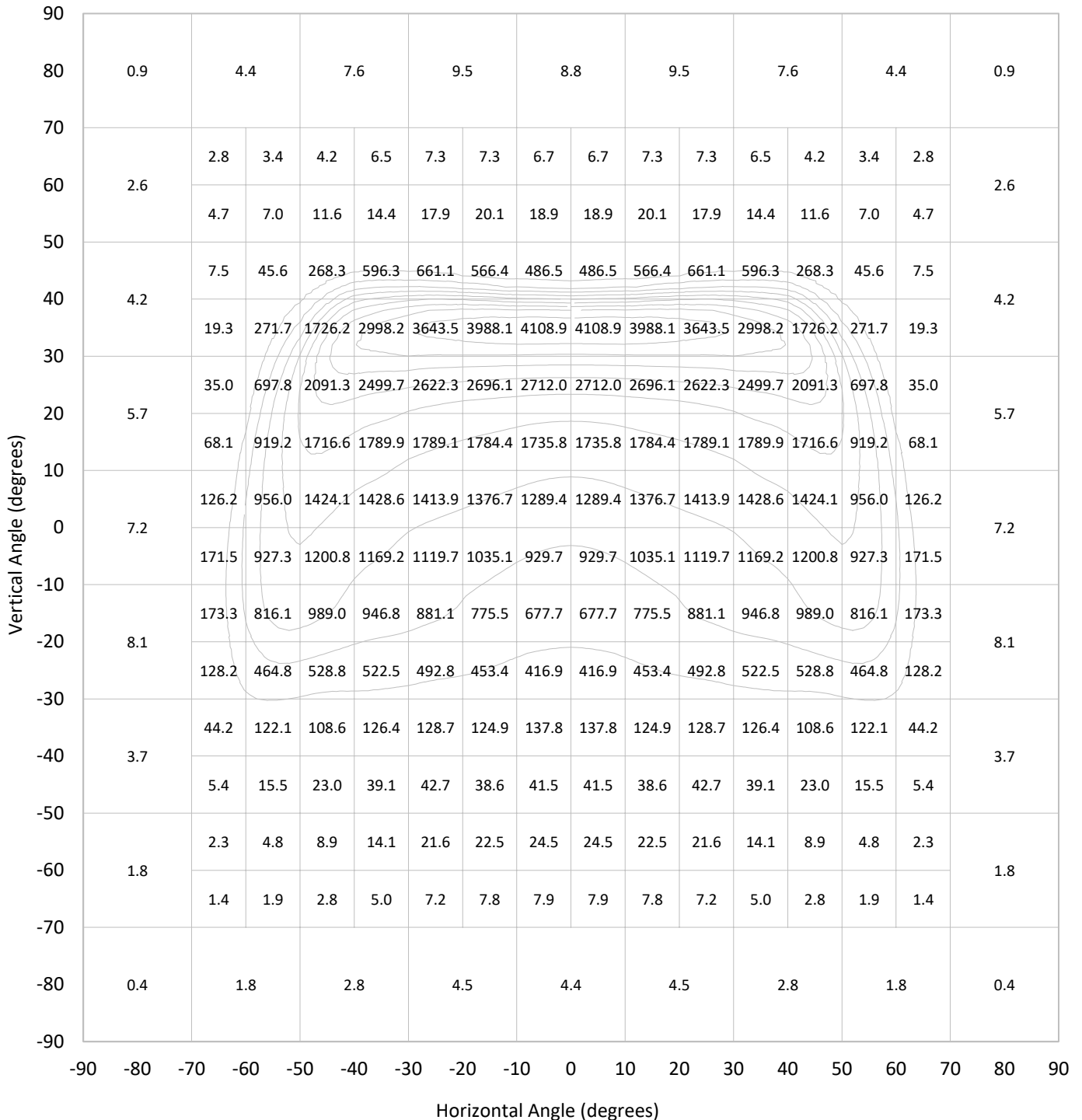
Iso-Candela Plot





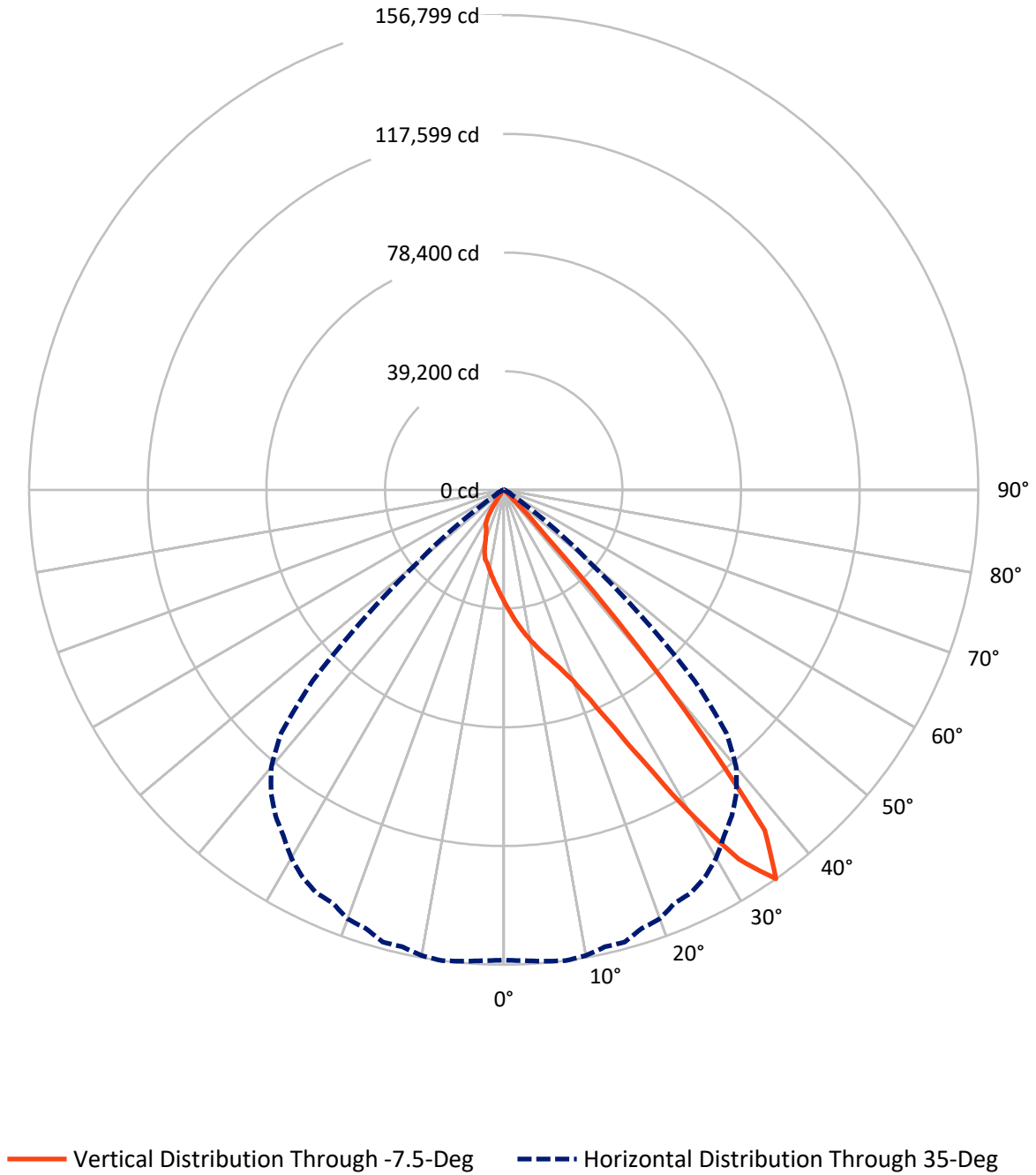
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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WB-LO

Lumen Table



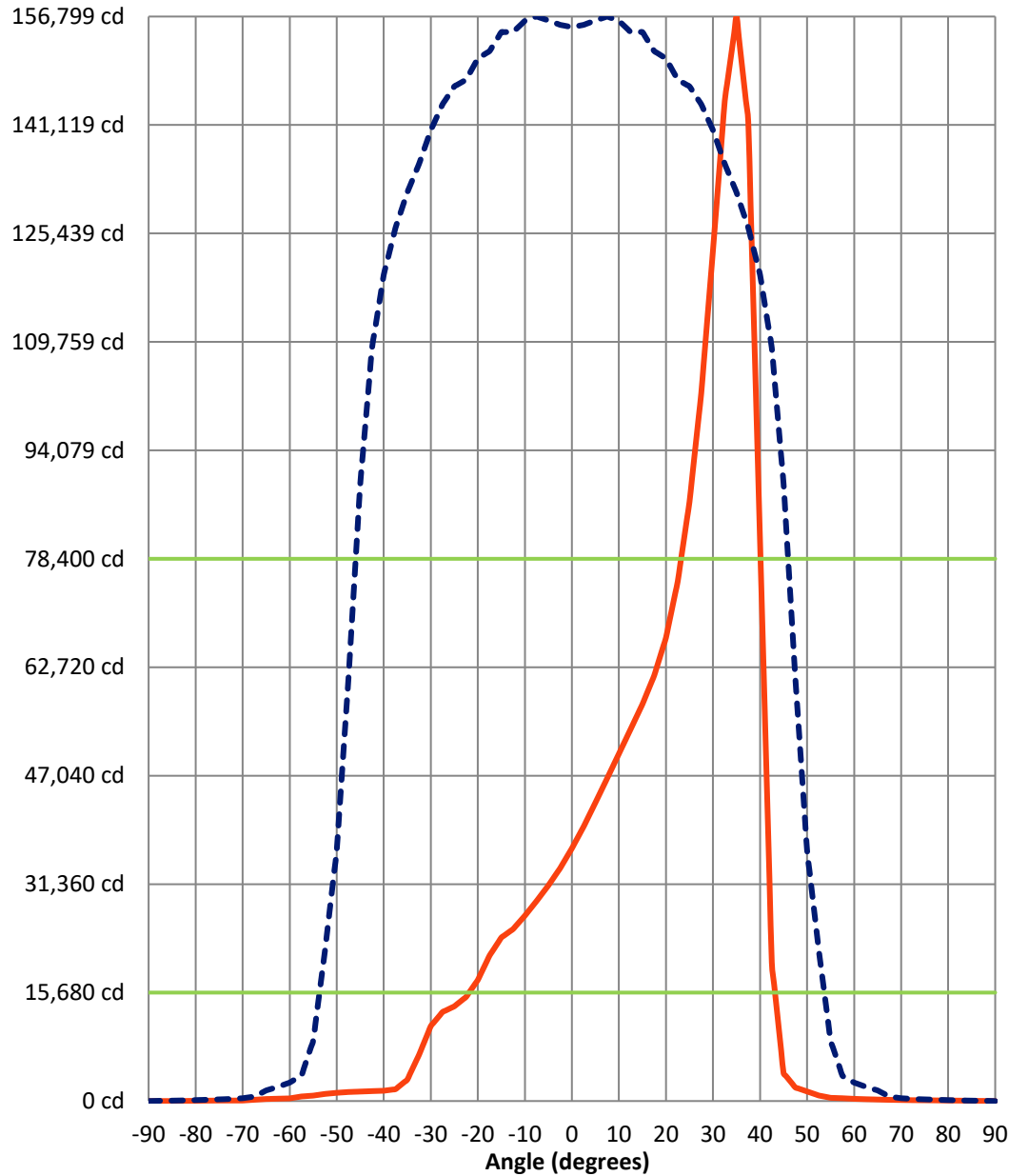
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 91.9°
 V Angle: 16.9°
 Lumens: 57247.5
 Efficiency: 42.9%

Field:
 H Angle: 107.3°
 V Angle: 65°
 Lumens: 127138.6
 Efficiency: 95.3%

Spill:
 Lumens: 6293.4
 Efficiency: 4.7%

- Vertical Distribution through -7.5-Deg
- - - Horizontal Distribution through 35-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	2.0	4.0	5.9	7.9	14.7	11.8	13.7	15.6	17.4	19.2
85°	0.0	4.0	7.9	11.9	15.8	29.3	23.8	27.3	31.1	34.8	37.4
82.5°	0.0	5.9	11.9	17.8	23.6	43.6	36.1	43.1	46.9	52.1	47.8
80°	0.0	7.9	15.8	23.6	31.4	54.8	48.0	62.6	63.4	69.3	64.1
77.5°	0.0	9.8	19.7	29.5	39.2	59.5	59.4	81.2	82.3	87.8	99.1
75°	0.0	11.8	23.5	35.2	46.9	64.4	70.2	95.4	104.4	107.7	125.2
72.5°	0.0	13.7	27.3	40.9	54.5	69.8	81.2	107.1	125.1	127.1	136.6
70°	0.0	15.6	31.1	46.6	62.0	77.3	92.4	118.4	140.5	145.8	154.1
67.5°	0.0	17.4	34.8	52.1	69.3	86.5	103.5	129.3	155.1	166.1	181.3
65°	0.0	19.2	38.2	57.6	76.6	95.5	114.3	139.8	169.5	186.1	208.1
62.5°	0.0	21.0	41.3	62.9	83.7	104.4	124.9	149.8	183.6	205.1	234.4
60°	0.0	22.7	44.2	68.1	90.7	113.1	135.3	164.6	197.4	228.3	263.5
57.5°	0.0	24.4	46.9	73.1	97.4	121.5	145.5	181.0	216.3	251.1	301.8
55°	0.0	26.1	49.3	76.7	104.0	129.8	160.0	198.3	236.1	279.6	336.3
52.5°	0.0	27.7	51.5	79.8	110.4	137.8	172.7	213.3	255.3	308.4	395.0
50°	0.0	29.2	53.3	82.4	116.6	145.5	183.5	225.5	275.4	343.1	453.8
47.5°	0.0	30.7	54.9	84.5	121.9	153.0	192.2	235.2	292.1	384.7	501.2
45°	0.0	32.2	56.2	86.1	125.5	160.2	200.7	244.7	305.2	420.2	540.1
42.5°	0.0	33.5	57.1	87.1	128.7	167.1	210.3	258.7	333.9	451.8	575.8
40°	0.0	34.9	57.8	88.5	131.6	173.7	221.2	272.6	361.1	484.4	733.9
37.5°	0.0	36.1	58.2	90.4	134.1	180.0	232.5	285.9	386.5	514.0	1069.7
35°	0.0	36.8	58.9	93.5	137.4	187.6	242.1	303.4	410.1	649.4	1532.9
32.5°	0.0	37.4	59.8	96.8	141.3	194.8	249.2	320.9	431.9	910.0	1739.7
30°	0.0	37.9	60.6	99.9	145.3	200.5	254.4	337.7	451.7	1177.0	1951.3
27.5°	0.0	38.4	62.5	102.8	149.8	204.7	258.6	354.8	470.2	1442.7	2136.0
25°	0.0	38.8	64.3	105.4	153.4	207.6	263.5	372.3	501.2	1595.8	2237.2
22.5°	0.0	39.2	65.9	107.9	155.9	209.7	269.0	384.0	558.9	1465.2	2265.7
20°	0.0	39.6	67.3	110.0	157.5	212.9	276.5	393.4	566.3	1394.9	2258.6
17.5°	0.0	39.9	68.6	111.9	158.3	216.4	286.2	402.5	596.0	1430.6	2244.9
15°	0.0	40.2	69.7	113.6	158.2	220.2	294.8	411.4	617.9	1537.2	2390.9
12.5°	0.0	40.4	70.6	115.0	159.4	223.8	302.0	418.4	628.8	1614.5	2813.6
10°	0.0	40.6	71.4	116.2	161.0	226.8	307.9	422.7	630.1	1731.0	3354.2
7.5°	0.0	40.8	72.0	117.1	162.2	229.1	312.6	426.7	625.4	1865.7	4081.3
5°	0.0	40.9	72.5	117.8	163.1	230.7	315.9	438.9	625.5	2043.9	4845.2
2.5°	0.0	40.9	72.7	118.2	163.6	231.7	317.9	450.0	624.1	2272.0	5763.2
0°	0.0	41.0	72.8	118.3	163.8	232.1	318.6	459.6	618.9	2475.6	6598.6
-2.5°	0.0	40.3	72.7	118.2	163.6	232.7	322.8	477.0	958.9	2834.4	7507.9
-5°	0.0	39.7	72.5	117.8	163.1	232.6	325.7	491.3	1276.6	3127.5	8234.8
-7.5°	0.0	38.9	72.0	117.1	162.2	231.5	327.2	501.6	1535.3	3483.8	8927.6
-10°	0.0	38.2	71.4	116.2	161.0	229.3	327.1	511.6	1687.2	3836.5	9417.4
-12.5°	0.0	37.3	70.6	115.0	159.4	225.7	324.1	516.8	1776.1	4121.4	9566.7
-15°	0.0	36.4	69.7	113.6	157.5	220.9	318.1	515.3	1853.0	4542.5	9437.1
-17.5°	0.0	35.5	68.6	111.9	155.3	216.0	309.0	501.5	1880.6	4883.6	9447.0
-20°	0.0	34.4	67.3	110.0	152.7	211.2	296.1	474.6	1739.0	5120.5	9496.1



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

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	33.3	65.9	107.9	149.8	205.7	285.3	437.6	1372.3	5136.7	9485.3
-25°	0.0	32.1	64.3	105.4	146.6	199.6	275.5	405.1	815.2	4893.6	8957.8
-27.5°	0.0	30.9	62.5	102.8	143.1	193.0	264.8	370.8	655.7	3801.3	8140.6
-30°	0.0	29.5	60.6	99.9	139.0	185.7	252.7	338.8	565.6	2706.1	6422.3
-32.5°	0.0	28.1	58.5	96.8	132.7	177.9	239.0	309.2	464.3	1728.1	4428.3
-35°	0.0	26.6	56.3	93.5	125.5	169.6	226.1	282.5	366.4	861.4	2500.2
-37.5°	0.0	25.1	54.0	90.0	117.7	160.7	214.3	261.3	302.6	468.8	1253.9
-40°	0.0	23.6	51.5	86.2	110.3	151.3	203.0	243.8	279.5	371.7	666.0
-42.5°	0.0	22.2	48.9	81.8	102.6	141.5	189.2	225.7	258.9	301.0	394.6
-45°	0.0	20.8	46.1	76.7	94.8	131.1	173.4	207.3	240.6	256.4	330.2
-47.5°	0.0	19.4	43.2	71.8	86.9	120.3	157.2	188.3	218.9	232.7	275.3
-50°	0.0	18.0	40.3	67.1	80.2	109.1	143.1	169.0	195.4	206.0	232.6
-52.5°	0.0	16.7	37.2	62.8	74.0	101.4	130.5	149.3	174.3	185.5	203.6
-55°	0.0	15.4	34.0	58.7	70.2	93.4	119.2	130.4	155.6	167.1	176.1
-57.5°	0.0	14.1	30.7	54.9	66.9	85.1	109.1	121.5	139.1	148.6	155.4
-60°	0.0	12.9	27.3	49.9	63.5	76.7	98.9	113.7	124.6	129.9	134.7
-62.5°	0.0	11.7	23.8	44.7	60.1	69.3	88.5	104.4	109.2	111.2	114.0
-65°	0.0	10.5	20.2	39.4	56.5	62.2	77.9	92.0	95.8	98.7	96.3
-67.5°	0.0	9.4	17.4	33.9	51.1	54.3	67.1	81.1	84.7	88.0	84.7
-70°	0.0	8.2	15.5	28.4	43.8	45.5	56.0	71.0	72.9	73.0	75.6
-72.5°	0.0	7.2	13.7	22.7	36.3	37.5	44.8	58.0	59.7	54.3	60.1
-75°	0.0	6.1	11.8	17.6	28.7	31.0	35.0	44.8	48.7	38.6	41.5
-77.5°	0.0	5.0	9.8	14.7	21.0	25.2	29.2	31.9	39.0	28.5	29.6
-80°	0.0	4.0	7.9	11.8	15.7	19.7	23.4	19.0	25.6	18.5	20.1
-82.5°	0.0	3.0	5.9	8.9	11.8	14.7	17.6	5.4	10.2	8.4	10.6
-85°	0.0	2.0	4.0	5.9	7.9	9.8	11.8	0.3	0.0	0.0	1.0
-87.5°	0.0	1.0	2.0	3.0	3.9	4.9	5.9	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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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WB-LO

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	22.7	24.4	26.1	14.0	14.6	15.4	16.1	16.8	17.4	18.0
85°	39.2	40.9	42.6	44.3	37.5	40.3	43.2	46.1	34.2	34.8	36.1
82.5°	49.6	52.3	55.0	57.5	59.7	62.0	64.2	66.4	64.5	68.0	71.8
80°	71.7	73.8	79.2	72.8	73.4	76.5	79.5	82.4	85.1	87.8	90.3
77.5°	105.5	97.7	92.5	85.1	87.1	91.0	91.0	91.0	98.8	105.0	108.2
75°	128.3	114.7	97.5	95.9	94.7	91.0	91.6	96.0	105.6	117.1	126.0
72.5°	145.3	143.8	123.2	108.6	102.9	101.4	106.7	114.2	123.9	136.1	143.8
70°	175.3	181.7	152.8	117.1	109.5	121.9	133.9	145.5	155.0	156.4	166.3
67.5°	205.1	217.8	184.0	136.9	136.0	147.8	155.4	176.5	184.2	183.8	209.8
65°	234.4	261.0	230.9	167.8	155.2	161.6	174.5	193.9	203.0	216.4	245.5
62.5°	268.9	316.2	288.8	209.8	175.3	186.8	203.4	219.4	234.8	256.2	289.3
60°	316.2	372.0	365.9	274.1	205.3	217.9	231.9	255.9	281.2	321.1	351.1
57.5°	367.5	432.4	450.3	357.8	236.9	258.3	271.7	315.3	388.0	427.7	423.8
55°	429.5	496.0	540.4	409.2	284.8	299.5	344.9	426.9	545.1	531.6	510.5
52.5°	494.0	567.6	548.9	443.3	341.0	366.0	478.8	694.8	797.8	740.3	670.9
50°	553.9	597.0	558.9	466.3	565.1	740.8	797.5	1477.0	1357.8	1730.0	1347.9
47.5°	606.8	621.3	577.5	971.7	1348.5	2257.1	2587.8	3090.1	3049.2	3728.3	3902.3
45°	646.4	700.6	907.0	1938.5	3247.6	4513.3	5356.0	5859.3	8621.8	11336.2	11327.1
42.5°	691.2	1110.5	1823.9	3230.8	5569.3	7692.0	9895.1	16791.2	26582.6	33790.2	38258.1
40°	1119.1	1834.2	2577.0	4096.3	8197.7	13133.2	22584.7	38008.7	56390.7	72468.3	78499.2
37.5°	1601.7	2260.7	3069.5	6422.2	13984.8	23385.9	39769.1	64384.6	89089.9	101755.5	109387.8
35°	2054.7	2674.7	3687.6	8757.7	21761.4	36274.1	61206.0	89261.6	108880.4	119473.2	126260.8
32.5°	2428.3	3214.4	5789.5	16661.9	32591.8	51496.0	78189.3	103463.0	118684.3	125837.8	130130.7
30°	2780.0	3739.7	7847.1	25046.9	42066.8	63942.4	90590.0	108934.8	117889.5	121064.8	121966.4
27.5°	3030.1	4836.8	12934.2	32517.8	50723.5	72224.2	93919.4	106802.9	111608.3	112089.9	111070.0
25°	3244.8	6318.4	19142.5	39442.7	56911.6	77962.9	94910.7	102938.6	103999.3	102518.3	100211.3
22.5°	3393.9	7814.5	24778.2	46142.2	61342.3	80176.8	92526.7	96835.3	95943.3	93583.8	90942.4
20°	3591.4	9715.8	30097.5	49652.5	64650.3	80346.5	89209.1	91041.2	88918.0	86001.8	83162.1
17.5°	4310.6	14209.3	35055.4	52095.3	66631.3	79914.5	85979.4	85737.0	83081.6	79943.5	77491.0
15°	5767.4	18496.0	39158.5	53677.3	67487.4	77956.5	81954.1	81047.2	78418.8	75283.0	73011.6
12.5°	7556.3	22347.2	42284.1	54589.1	66983.7	75585.6	78414.8	77107.1	74491.6	71478.1	69400.6
10°	9356.4	25835.6	44368.4	55222.2	66276.8	73411.8	75229.1	73476.8	70715.4	67826.2	65831.4
7.5°	11399.0	28793.6	45081.0	55576.5	65525.8	71326.7	72210.1	69994.7	67142.1	64268.8	62328.5
5°	13354.8	31192.8	45660.2	55946.9	64698.7	69274.8	69142.6	66726.7	63771.1	60866.7	58977.4
2.5°	15437.4	33088.6	46211.1	56136.8	63797.6	67209.9	66272.7	63674.8	60735.8	57760.6	55958.6
0°	17301.9	34476.5	46663.4	56192.8	62800.5	65148.7	63560.5	60825.5	57790.1	54936.8	53098.3
-2.5°	18942.1	35305.5	46994.1	55986.2	61575.2	63146.1	61193.3	58335.5	55404.0	52562.0	50720.1
-5°	20211.8	35680.4	47048.7	55503.3	60207.0	61033.5	58917.7	55992.1	53115.1	50356.0	48442.0
-7.5°	20891.1	35520.7	46865.4	54839.7	58692.8	58899.9	56667.0	53687.1	50929.5	48282.0	46290.6
-10°	21185.8	35142.9	46493.1	54054.4	57109.7	56857.8	54419.1	51346.4	48781.0	46163.5	44118.5
-12.5°	20847.7	34538.1	45587.5	53278.2	55938.0	55041.4	52585.2	49641.9	47006.7	44485.2	42359.3
-15°	20048.0	32770.9	43874.4	51403.3	53569.2	52908.9	50264.9	47609.0	45107.2	42944.8	40824.0
-17.5°	18078.3	30286.0	40029.5	46459.3	48779.7	47558.9	45793.0	42818.2	40667.0	38676.5	36755.8
-20°	16603.8	26508.7	34808.8	40347.1	41512.2	40496.7	38343.4	36196.7	33972.4	32292.9	30700.3



REPORT NUMBER: P902075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WB-LO

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	15445.1	23156.0	29904.7	34146.9	34827.1	33344.3	31718.4	30026.4	28398.5	27114.5	25768.5
-25°	14394.5	20183.2	25547.5	28209.2	28503.0	27247.9	25747.2	24635.9	23652.5	22855.7	21847.0
-27.5°	12480.5	17476.8	20742.4	22381.2	22179.1	21085.3	19699.8	18719.8	18371.5	18143.4	17779.2
-30°	10428.0	13723.1	16140.7	16305.9	15865.9	14759.6	13366.8	12464.1	12433.9	12664.7	12805.2
-32.5°	7661.7	10002.9	10979.1	10800.7	9786.3	9005.8	7933.3	6993.0	6524.2	6788.2	7004.8
-35°	4748.9	6247.8	6295.6	6174.1	5556.7	4810.3	3905.2	3309.1	3213.9	3415.1	3588.1
-37.5°	2500.1	3528.3	3638.1	3323.8	2791.9	2554.7	2210.9	1907.9	1848.0	1992.4	2176.1
-40°	1279.5	1980.7	1799.2	1845.5	1729.1	1579.0	1451.3	1405.5	1454.3	1613.6	1776.6
-42.5°	466.9	1025.3	1023.1	1164.9	1191.8	1195.1	1203.0	1225.3	1302.8	1459.7	1630.4
-45°	391.2	499.4	565.4	803.8	925.9	978.5	1014.2	1066.3	1145.1	1320.5	1488.0
-47.5°	323.8	374.8	402.0	527.1	667.2	735.4	742.3	759.3	974.7	1177.2	1354.1
-50°	268.9	308.6	340.4	382.9	495.9	554.9	566.8	576.3	614.4	917.5	883.2
-52.5°	215.9	249.9	278.1	320.5	377.3	440.6	473.0	488.2	474.0	439.0	509.6
-55°	184.2	203.2	216.6	256.4	299.4	347.8	388.5	420.3	420.1	406.3	402.9
-57.5°	161.7	168.9	179.6	190.7	220.4	263.9	305.3	341.6	369.4	386.0	399.6
-60°	143.3	151.6	149.9	151.8	150.7	179.1	215.7	250.4	282.9	316.7	366.1
-62.5°	130.5	134.7	134.6	126.3	120.7	124.6	125.4	160.8	184.4	213.6	258.8
-65°	112.6	111.9	111.5	110.2	100.6	107.0	98.5	103.6	100.3	124.3	148.9
-67.5°	93.8	96.2	89.8	94.3	86.2	91.1	81.7	88.3	89.6	82.3	88.0
-70°	79.1	81.6	78.2	80.7	73.0	77.2	71.1	72.8	73.1	65.4	70.5
-72.5°	62.3	63.2	66.4	72.2	66.5	65.0	63.1	57.1	58.6	54.6	54.6
-75°	46.8	49.5	54.5	59.5	53.0	50.7	54.9	54.6	49.1	49.5	53.2
-77.5°	34.0	38.3	42.6	46.7	37.3	36.4	40.1	43.7	39.3	36.4	36.4
-80°	23.7	27.1	30.5	33.8	21.9	21.9	24.9	27.8	30.5	33.2	35.7
-82.5°	13.2	15.9	18.4	20.9	6.8	7.4	9.6	11.8	13.9	15.8	17.7
-85°	2.8	4.5	6.2	7.9	0.4	0.0	0.0	0.0	0.0	0.0	0.0
-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: P902075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WB-LO

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°	18.6	19.2	19.7	20.2	20.6	21.0	21.4	21.7	22.0	22.2	22.4
85°	38.1	40.3	39.5	40.3	41.2	42.0	42.7	43.4	43.9	44.4	44.8
82.5°	74.1	75.7	64.7	61.0	61.8	63.0	64.1	65.1	65.9	66.6	67.2
80°	92.6	94.8	96.9	83.3	82.4	84.0	85.5	86.7	87.9	74.0	72.8
77.5°	111.1	113.9	116.5	104.9	102.9	105.0	106.8	108.4	94.1	92.8	93.8
75°	131.0	134.9	136.1	126.8	123.5	125.9	127.6	127.4	116.3	115.0	116.2
72.5°	158.0	164.1	160.3	149.0	143.9	147.2	140.1	135.4	135.5	137.2	138.6
70°	186.9	193.5	186.4	177.7	182.8	177.0	170.6	162.7	157.3	159.3	160.9
67.5°	223.3	230.5	221.2	215.5	218.5	206.8	201.6	199.2	194.6	188.5	184.5
65°	261.8	271.2	263.3	255.2	262.8	260.3	253.4	249.9	249.3	237.5	231.4
62.5°	314.2	319.1	309.0	313.0	312.5	314.2	318.5	308.9	303.4	298.7	283.0
60°	359.7	367.0	372.1	362.2	365.9	359.3	348.5	354.6	359.7	345.2	329.6
57.5°	401.3	402.7	427.0	425.4	423.9	420.6	409.3	419.9	428.9	450.0	429.5
55°	471.8	460.5	500.6	504.6	523.0	523.0	514.5	480.5	444.6	427.2	464.1
52.5°	631.1	609.6	631.6	642.8	662.2	766.7	893.0	825.7	726.1	831.3	804.1
50°	943.9	1199.4	768.0	1318.7	1708.6	1880.3	1718.9	1840.5	1799.9	1585.0	1552.2
47.5°	3569.1	3583.0	3113.1	3320.3	2875.9	2941.9	2668.9	2419.2	2359.7	2251.7	2107.3
45°	12348.9	12062.4	10245.1	11009.1	8885.9	8794.9	6850.5	6488.2	5518.2	4356.5	4098.3
42.5°	40232.8	39571.3	39026.7	39602.4	35479.8	36024.9	29832.3	29121.5	25495.0	19452.2	21122.9
40°	82253.2	86850.1	90463.1	92490.3	95415.3	92557.2	92866.8	88828.2	88997.4	83910.2	81585.7
37.5°	115482.4	121636.7	126377.8	131557.4	135678.3	135503.4	139451.9	139022.0	142328.6	140053.6	139587.0
35°	131366.7	135497.4	140358.0	144111.9	146695.7	147665.8	150727.8	151807.4	154545.6	154559.3	156174.2
32.5°	131729.2	134747.1	137684.5	139088.4	140077.3	140618.0	141836.6	142842.2	143745.2	144198.7	144785.6
30°	122512.6	124087.9	125212.1	124440.7	123809.2	123926.4	124007.4	123765.9	123928.1	123533.3	123480.6
27.5°	110228.5	110329.3	109478.2	107398.1	106591.5	105877.8	105095.5	104566.6	104072.3	102865.8	102776.3
25°	98663.5	98183.9	95932.9	93788.9	92457.2	91442.3	90552.9	89602.1	88980.6	88046.3	87562.3
22.5°	89360.8	87911.3	85372.6	83148.3	81750.8	80531.0	79259.7	78368.2	77624.5	76696.1	75969.8
20°	81787.6	79964.4	77213.2	75188.2	73878.5	72454.5	71346.1	70361.9	69670.5	68754.2	67765.3
17.5°	76063.4	74011.0	71315.7	69660.4	68249.3	67027.4	66021.3	65129.0	64233.6	63316.8	62353.4
15°	71633.6	69524.4	67150.0	65550.4	64320.8	63162.6	62181.7	61230.0	60326.1	59352.7	58258.6
12.5°	67933.9	65656.6	63466.9	62047.7	61012.9	59909.1	58875.0	57910.9	56959.5	55832.7	54769.3
10°	64420.5	61940.7	59881.9	58649.6	57633.0	56663.4	55643.7	54690.9	53595.1	52452.1	51287.6
7.5°	60877.2	58417.7	56509.7	55303.3	54282.5	53357.4	52421.9	51321.7	50191.9	49002.0	47812.1
5°	57466.1	55163.8	53277.6	52106.6	51099.6	50139.3	49152.4	48018.6	46804.2	45530.9	44270.9
2.5°	54508.5	52199.9	50333.7	49233.0	48186.8	47156.8	46058.8	44836.9	43586.1	42215.8	40875.6
0°	51760.4	49616.9	47746.6	46486.0	45343.8	44269.8	43104.8	41857.9	40501.8	39091.1	37721.2
-2.5°	49421.0	47336.2	45375.0	44087.1	42882.2	41611.7	40344.7	39000.8	37620.6	36216.8	34868.4
-5°	47159.7	45224.4	43302.6	41784.2	40517.3	39164.7	37819.4	36455.0	35051.1	33650.2	32332.6
-7.5°	45044.5	43206.2	41308.2	39804.8	38383.6	36962.6	35557.6	34170.2	32774.8	31378.1	30073.1
-10°	42845.0	41084.7	39095.1	37631.9	36252.5	34864.2	33380.0	31947.5	30564.4	29187.7	27925.8
-12.5°	41003.8	39312.3	37156.6	35623.2	34294.9	32839.2	31299.4	29803.5	28363.4	26986.1	25697.0
-15°	39598.1	38171.4	36128.8	34557.5	33251.5	31805.0	30288.2	28720.9	27235.0	25879.8	24760.4
-17.5°	35552.3	34499.0	32782.8	31315.4	30008.2	28581.5	27233.2	25746.2	24315.6	23054.2	22141.7
-20°	29459.9	28641.3	27292.4	25903.2	24819.5	23670.1	22517.5	21357.5	20210.1	19153.9	18250.6



REPORT NUMBER: P902075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WB-LO

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	24605.6	23876.2	22943.4	21763.9	20855.2	20015.5	19168.6	18234.2	17343.9	16413.5	15675.0
-25°	20786.9	20101.1	19463.8	18436.0	17734.2	17207.6	16602.3	15993.9	15336.0	14722.8	14149.3
-27.5°	17142.6	16490.8	16026.4	15260.9	14657.9	14320.5	14074.9	13791.3	13466.6	13342.2	13074.1
-30°	12629.3	12259.1	11911.8	11445.0	11008.5	10718.0	10630.8	10682.2	10610.7	10798.8	10805.7
-32.5°	7285.7	7331.9	7241.6	6922.7	6444.1	6227.0	6037.8	6067.0	6149.1	6336.3	6434.7
-35°	3563.1	3827.5	3951.8	3757.1	3355.4	3160.0	2891.7	2893.5	2856.2	2988.6	2951.7
-37.5°	2270.3	2316.0	2539.5	2465.8	2193.6	2023.3	1849.6	1800.0	1729.0	1773.6	1739.8
-40°	1912.5	2009.6	2053.6	2034.1	1886.4	1746.5	1608.4	1559.1	1503.7	1496.3	1464.1
-42.5°	1802.7	1918.1	1919.3	1843.5	1735.4	1599.2	1509.7	1445.1	1417.0	1420.3	1419.8
-45°	1631.2	1730.5	1721.3	1650.0	1532.6	1426.7	1373.1	1332.8	1299.1	1295.0	1318.0
-47.5°	1436.3	1473.5	1506.7	1510.1	1386.2	1273.7	1238.7	1204.0	1150.6	1179.6	1211.9
-50°	1196.0	1278.1	1330.7	1352.8	1272.0	1156.0	1109.9	1092.1	1061.9	1091.6	1157.6
-52.5°	584.1	857.7	1132.4	1186.5	1075.1	982.1	945.5	902.2	921.0	987.7	1025.6
-55°	388.5	468.2	531.4	726.9	808.4	804.3	778.5	756.8	766.5	804.3	772.5
-57.5°	382.3	385.5	408.7	465.0	491.5	505.1	535.1	558.6	598.3	625.9	648.9
-60°	398.9	391.4	406.9	421.7	408.4	399.2	401.6	413.6	404.1	397.4	399.6
-62.5°	292.5	325.5	370.0	374.4	351.2	361.9	356.3	363.3	353.6	348.9	346.8
-65°	163.2	201.7	244.0	271.9	260.3	278.2	280.8	291.0	293.8	292.2	289.3
-67.5°	98.3	116.6	146.2	155.5	159.0	167.5	164.0	164.7	168.1	178.9	188.4
-70°	75.3	86.1	102.2	107.4	110.3	106.2	97.8	89.9	84.5	77.0	86.4
-72.5°	57.0	70.0	82.8	96.2	97.0	81.1	76.6	74.7	72.8	72.8	81.8
-75°	54.6	58.1	63.3	78.4	74.5	71.3	72.8	72.8	72.8	72.8	72.8
-77.5°	38.3	41.1	52.0	68.7	53.5	50.4	52.2	53.8	55.2	56.4	57.4
-80°	36.4	36.4	41.4	59.8	32.7	29.4	30.9	32.1	33.3	34.2	35.0
-82.5°	19.5	21.1	22.7	29.5	19.3	18.2	18.2	18.2	18.2	12.3	12.6
-85°	0.9	2.0	3.0	3.9	4.8	5.6	6.3	7.0	7.5	0.1	0.0
-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: P902075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WB-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°	18.2	4.5	4.5	4.6	4.5	4.5	18.2	22.4	22.2	22.0	21.7
85°	27.1	27.1	27.3	27.3	27.3	27.1	27.1	44.8	44.4	43.9	43.4
82.5°	62.7	63.2	63.6	63.7	63.6	63.2	62.7	67.2	66.6	65.9	65.1
80°	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	74.0	87.9	86.7
77.5°	94.6	95.1	95.4	95.6	95.4	95.1	94.6	93.8	92.8	94.1	108.4
75°	110.0	109.2	109.2	109.2	109.2	109.2	110.0	116.2	115.0	116.3	127.4
72.5°	124.1	122.2	122.7	122.9	122.7	122.2	124.1	138.6	137.2	135.5	135.4
70°	147.4	144.9	145.4	145.6	145.4	144.9	147.4	160.9	159.3	157.3	162.7
67.5°	173.6	171.3	172.5	168.4	172.5	171.3	173.6	184.5	188.5	194.6	199.2
65°	219.8	216.6	217.9	200.2	217.9	216.6	219.8	231.4	237.5	249.3	249.9
62.5°	266.1	261.8	263.4	245.7	263.4	261.8	266.1	283.0	298.7	303.4	308.9
60°	321.2	312.4	308.9	309.5	308.9	312.4	321.2	329.6	345.2	359.7	354.6
57.5°	407.8	385.7	378.1	377.8	378.1	385.7	407.8	429.5	450.0	428.9	419.9
55°	470.0	484.4	488.6	491.5	488.6	484.4	470.0	464.1	427.2	444.6	480.5
52.5°	802.3	795.2	792.7	796.4	792.7	795.2	802.3	804.1	831.3	726.1	825.7
50°	1386.3	1331.7	1246.8	1219.6	1246.8	1331.7	1386.3	1552.2	1585.0	1799.9	1840.5
47.5°	1967.0	2020.2	2002.1	1970.5	2002.1	2020.2	1967.0	2107.3	2251.7	2359.7	2419.2
45°	4050.5	3828.8	3619.8	3485.9	3619.8	3828.8	4050.5	4098.3	4356.5	5518.2	6488.2
42.5°	20042.8	17606.6	15748.0	14803.6	15748.0	17606.6	20042.8	21122.9	19452.2	25495.0	29121.5
40°	80979.7	79984.7	78545.1	77453.9	78545.1	79984.7	80979.7	81585.7	83910.2	88997.4	88828.2
37.5°	141562.0	141162.4	139621.7	138757.2	139621.7	141162.4	141562.0	139587.0	140053.6	142328.6	139022.0
35°	156799.1	156232.1	155600.1	155262.8	155600.1	156232.1	156799.1	156174.2	154559.3	154545.6	151807.4
32.5°	144620.8	144648.1	144497.9	144204.5	144497.9	144648.1	144620.8	144785.6	144198.7	143745.2	142842.2
30°	123047.7	122836.7	122382.6	122306.2	122382.6	122836.7	123047.7	123480.6	123533.3	123928.1	123765.9
27.5°	102319.1	101844.1	101802.3	101777.7	101802.3	101844.1	102319.1	102776.3	102865.8	104072.3	104566.6
25°	86625.0	86363.9	86117.6	86082.2	86117.6	86363.9	86625.0	87562.3	88046.3	88980.6	89602.1
22.5°	75126.8	74636.0	74193.6	74086.4	74193.6	74636.0	75126.8	75969.8	76696.1	77624.5	78368.2
20°	66994.3	66390.9	65914.4	65749.4	65914.4	66390.9	66994.3	67765.3	68754.2	69670.5	70361.9
17.5°	61523.8	60754.2	60322.5	60288.5	60322.5	60754.2	61523.8	62353.4	63316.8	64233.6	65129.0
15°	57383.7	56645.4	56210.0	56238.3	56210.0	56645.4	57383.7	58258.6	59352.7	60326.1	61230.0
12.5°	53790.6	52972.8	52474.6	52399.7	52474.6	52972.8	53790.6	54769.3	55832.7	56959.5	57910.9
10°	50222.5	49345.1	48790.7	48704.5	48790.7	49345.1	50222.5	51287.6	52452.1	53595.1	54690.9
7.5°	46666.2	45757.4	45181.0	45050.3	45181.0	45757.4	46666.2	47812.1	49002.0	50191.9	51321.7
5°	43148.0	42225.6	41610.0	41405.1	41610.0	42225.6	43148.0	44270.9	45530.9	46804.2	48018.6
2.5°	39689.2	38781.0	38178.1	37918.7	38178.1	38781.0	39689.2	40875.6	42215.8	43586.1	44836.9
0°	36537.5	35586.9	34999.9	34767.8	34999.9	35586.9	36537.5	37721.2	39091.1	40501.8	41857.9
-2.5°	33664.0	32756.9	32190.4	32015.2	32190.4	32756.9	33664.0	34868.4	36216.8	37620.6	39000.8
-5°	31175.6	30258.9	29630.2	29430.9	29630.2	30258.9	31175.6	32332.6	33650.2	35051.1	36455.0
-7.5°	28930.2	28005.7	27427.7	27160.7	27427.7	28005.7	28930.2	30073.1	31378.1	32774.8	34170.2
-10°	26796.8	25859.6	25328.1	25036.0	25328.1	25859.6	26796.8	27925.8	29187.7	30564.4	31947.5
-12.5°	24866.7	23938.6	23512.1	23336.5	23512.1	23938.6	24866.7	25697.0	26986.1	28363.4	29803.5
-15°	23638.0	22801.3	22226.0	22086.3	22226.0	22801.3	23638.0	24760.4	25879.8	27235.0	28720.9
-17.5°	21038.3	20594.7	19877.5	19682.1	19877.5	20594.7	21038.3	22141.7	23054.2	24315.6	25746.2
-20°	17507.4	16968.1	16609.5	16492.0	16609.5	16968.1	17507.4	18250.6	19153.9	20210.1	21357.5



REPORT NUMBER: P902075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WB-LO

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	15051.7	14663.8	14422.0	14330.3	14422.0	14663.8	15051.7	15675.0	16413.5	17343.9	18234.2
-25°	13696.5	13409.2	13181.5	13133.4	13181.5	13409.2	13696.5	14149.3	14722.8	15336.0	15993.9
-27.5°	12871.3	12724.6	12569.2	12482.8	12569.2	12724.6	12871.3	13074.1	13342.2	13466.6	13791.3
-30°	10839.5	10917.5	11044.5	11031.0	11044.5	10917.5	10839.5	10805.7	10798.8	10610.7	10682.2
-32.5°	6691.8	6839.8	6996.8	7062.8	6996.8	6839.8	6691.8	6434.7	6336.3	6149.1	6067.0
-35°	3088.1	3292.8	3467.1	3540.5	3467.1	3292.8	3088.1	2951.7	2988.6	2856.2	2893.5
-37.5°	1714.6	1860.7	1980.3	1997.8	1980.3	1860.7	1714.6	1739.8	1773.6	1729.0	1800.0
-40°	1490.2	1538.9	1616.6	1620.1	1616.6	1538.9	1490.2	1464.1	1496.3	1503.7	1559.1
-42.5°	1435.4	1490.0	1485.3	1488.1	1485.3	1490.0	1435.4	1419.8	1420.3	1417.0	1445.1
-45°	1370.3	1425.6	1374.1	1365.2	1374.1	1425.6	1370.3	1318.0	1295.0	1299.1	1332.8
-47.5°	1307.6	1300.1	1263.6	1310.6	1263.6	1300.1	1307.6	1211.9	1179.6	1150.6	1204.0
-50°	1191.0	1145.2	1119.2	1110.4	1119.2	1145.2	1191.0	1157.6	1091.6	1061.9	1092.1
-52.5°	1029.3	983.0	989.8	1019.4	989.8	983.0	1029.3	1025.6	987.7	921.0	902.2
-55°	787.5	794.8	806.2	864.6	806.2	794.8	787.5	772.5	804.3	766.5	756.8
-57.5°	660.4	665.2	656.6	655.3	656.6	665.2	660.4	648.9	625.9	598.3	558.6
-60°	385.5	380.0	381.7	382.3	381.7	380.0	385.5	399.6	397.4	404.1	413.6
-62.5°	343.3	340.3	341.1	341.4	341.1	340.3	343.3	346.8	348.9	353.6	363.3
-65°	294.1	289.6	290.3	291.3	290.3	289.6	294.1	289.3	292.2	293.8	291.0
-67.5°	183.8	183.1	185.5	186.6	185.5	183.1	183.8	188.4	178.9	168.1	164.7
-70°	76.3	72.8	72.8	72.8	72.8	72.8	76.3	86.4	77.0	84.5	89.9
-72.5°	74.6	72.8	72.8	72.8	72.8	72.8	74.6	81.8	72.8	72.8	74.7
-75°	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
-77.5°	58.2	58.7	59.0	59.2	59.0	58.7	58.2	57.4	56.4	55.2	53.8
-80°	35.6	36.1	36.3	36.4	36.3	36.1	35.6	35.0	34.2	33.3	32.1
-82.5°	13.1	13.4	13.6	13.7	13.6	13.4	13.1	12.6	12.3	18.2	18.2
-85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	7.5	7.0
-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: P902075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WB-LO

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°	21.4	21.0	20.6	20.2	19.7	19.2	18.6	18.0	17.4	16.8	16.1
85°	42.7	42.0	41.2	40.3	39.5	40.3	38.1	36.1	34.8	34.2	46.1
82.5°	64.1	63.0	61.8	61.0	64.7	75.7	74.1	71.8	68.0	64.5	66.4
80°	85.5	84.0	82.4	83.3	96.9	94.8	92.6	90.3	87.8	85.1	82.4
77.5°	106.8	105.0	102.9	104.9	116.5	113.9	111.1	108.2	105.0	98.8	91.0
75°	127.6	125.9	123.5	126.8	136.1	134.9	131.0	126.0	117.1	105.6	96.0
72.5°	140.1	147.2	143.9	149.0	160.3	164.1	158.0	143.8	136.1	123.9	114.2
70°	170.6	177.0	182.8	177.7	186.4	193.5	186.9	166.3	156.4	155.0	145.5
67.5°	201.6	206.8	218.5	215.5	221.2	230.5	223.3	209.8	183.8	184.2	176.5
65°	253.4	260.3	262.8	255.2	263.3	271.2	261.8	245.5	216.4	203.0	193.9
62.5°	318.5	314.2	312.5	313.0	309.0	319.1	314.2	289.3	256.2	234.8	219.4
60°	348.5	359.3	365.9	362.2	372.1	367.0	359.7	351.1	321.1	281.2	255.9
57.5°	409.3	420.6	423.9	425.4	427.0	402.7	401.3	423.8	427.7	388.0	315.3
55°	514.5	523.0	523.0	504.6	500.6	460.5	471.8	510.5	531.6	545.1	426.9
52.5°	893.0	766.7	662.2	642.8	631.6	609.6	631.1	670.9	740.3	797.8	694.8
50°	1718.9	1880.3	1708.6	1318.7	768.0	1199.4	943.9	1347.9	1730.0	1357.8	1477.0
47.5°	2668.9	2941.9	2875.9	3320.3	3113.1	3583.0	3569.1	3902.3	3728.3	3049.2	3090.1
45°	6850.5	8794.9	8885.9	11009.1	10245.1	12062.4	12348.9	11327.1	11336.2	8621.8	5859.3
42.5°	29832.3	36024.9	35479.8	39602.4	39026.7	39571.3	40232.8	38258.1	33790.2	26582.6	16791.2
40°	92866.8	92557.2	95415.3	92490.3	90463.1	86850.1	82253.2	78499.2	72468.3	56390.7	38008.7
37.5°	139451.9	135503.4	135678.3	131557.4	126377.8	121636.7	115482.4	109387.8	101755.5	89089.9	64384.6
35°	150727.8	147665.8	146695.7	144111.9	140358.0	135497.4	131366.7	126260.8	119473.2	108880.4	89261.6
32.5°	141836.6	140618.0	140077.3	139088.4	137684.5	134747.1	131729.2	130130.7	125837.8	118684.3	103463.0
30°	124007.4	123926.4	123809.2	124440.7	125212.1	124087.9	122512.6	121966.4	121064.8	117889.5	108934.8
27.5°	105095.5	105877.8	106591.5	107398.1	109478.2	110329.3	110228.5	111070.0	112089.9	111608.3	106802.9
25°	90552.9	91442.3	92457.2	93788.9	95932.9	98183.9	98663.5	100211.3	102518.3	103999.3	102938.6
22.5°	79259.7	80531.0	81750.8	83148.3	85372.6	87911.3	89360.8	90942.4	93583.8	95943.3	96835.3
20°	71346.1	72454.5	73878.5	75188.2	77213.2	79964.4	81787.6	83162.1	86001.8	88918.0	91041.2
17.5°	66021.3	67027.4	68249.3	69660.4	71315.7	74011.0	76063.4	77491.0	79943.5	83081.6	85737.0
15°	62181.7	63162.6	64320.8	65550.4	67150.0	69524.4	71633.6	73011.6	75283.0	78418.8	81047.2
12.5°	58875.0	59909.1	61012.9	62047.7	63466.9	65656.6	67933.9	69400.6	71478.1	74491.6	77107.1
10°	55643.7	56663.4	57633.0	58649.6	59881.9	61940.7	64420.5	65831.4	67826.2	70715.4	73476.8
7.5°	52421.9	53357.4	54282.5	55303.3	56509.7	58417.7	60877.2	62328.5	64268.8	67142.1	69994.7
5°	49152.4	50139.3	51099.6	52106.6	53277.6	55163.8	57466.1	58977.4	60866.7	63771.1	66726.7
2.5°	46058.8	47156.8	48186.8	49233.0	50333.7	52199.9	54508.5	55958.6	57760.6	60735.8	63674.8
0°	43104.8	44269.8	45343.8	46486.0	47746.6	49616.9	51760.4	53098.3	54936.8	57790.1	60825.5
-2.5°	40344.7	41611.7	42882.2	44087.1	45375.0	47336.2	49421.0	50720.1	52562.0	55404.0	58335.5
-5°	37819.4	39164.7	40517.3	41784.2	43302.6	45224.4	47159.7	48442.0	50356.0	53115.1	55992.1
-7.5°	35557.6	36962.6	38383.6	39804.8	41308.2	43206.2	45044.5	46290.6	48282.0	50929.5	53687.1
-10°	33380.0	34864.2	36252.5	37631.9	39095.1	41084.7	42845.0	44118.5	46163.5	48781.0	51346.4
-12.5°	31299.4	32839.2	34294.9	35623.2	37156.6	39312.3	41003.8	42359.3	44485.2	47006.7	49641.9
-15°	30288.2	31805.0	33251.5	34557.5	36128.8	38171.4	39598.1	40824.0	42944.8	45107.2	47609.0
-17.5°	27233.2	28581.5	30008.2	31315.4	32782.8	34499.0	35552.3	36755.8	38676.5	40667.0	42818.2
-20°	22517.5	23670.1	24819.5	25903.2	27292.4	28641.3	29459.9	30700.3	32292.9	33972.4	36196.7



REPORT NUMBER: P902075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WB-LO

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	19168.6	20015.5	20855.2	21763.9	22943.4	23876.2	24605.6	25768.5	27114.5	28398.5	30026.4
-25°	16602.3	17207.6	17734.2	18436.0	19463.8	20101.1	20786.9	21847.0	22855.7	23652.5	24635.9
-27.5°	14074.9	14320.5	14657.9	15260.9	16026.4	16490.8	17142.6	17779.2	18143.4	18371.5	18719.8
-30°	10630.8	10718.0	11008.5	11445.0	11911.8	12259.1	12629.3	12805.2	12664.7	12433.9	12464.1
-32.5°	6037.8	6227.0	6444.1	6922.7	7241.6	7331.9	7285.7	7004.8	6788.2	6524.2	6993.0
-35°	2891.7	3160.0	3355.4	3757.1	3951.8	3827.5	3563.1	3588.1	3415.1	3213.9	3309.1
-37.5°	1849.6	2023.3	2193.6	2465.8	2539.5	2316.0	2270.3	2176.1	1992.4	1848.0	1907.9
-40°	1608.4	1746.5	1886.4	2034.1	2053.6	2009.6	1912.5	1776.6	1613.6	1454.3	1405.5
-42.5°	1509.7	1599.2	1735.4	1843.5	1919.3	1918.1	1802.7	1630.4	1459.7	1302.8	1225.3
-45°	1373.1	1426.7	1532.6	1650.0	1721.3	1730.5	1631.2	1488.0	1320.5	1145.1	1066.3
-47.5°	1238.7	1273.7	1386.2	1510.1	1506.7	1473.5	1436.3	1354.1	1177.2	974.7	759.3
-50°	1109.9	1156.0	1272.0	1352.8	1330.7	1278.1	1196.0	883.2	917.5	614.4	576.3
-52.5°	945.5	982.1	1075.1	1186.5	1132.4	857.7	584.1	509.6	439.0	474.0	488.2
-55°	778.5	804.3	808.4	726.9	531.4	468.2	388.5	402.9	406.3	420.1	420.3
-57.5°	535.1	505.1	491.5	465.0	408.7	385.5	382.3	399.6	386.0	369.4	341.6
-60°	401.6	399.2	408.4	421.7	406.9	391.4	398.9	366.1	316.7	282.9	250.4
-62.5°	356.3	361.9	351.2	374.4	370.0	325.5	292.5	258.8	213.6	184.4	160.8
-65°	280.8	278.2	260.3	271.9	244.0	201.7	163.2	148.9	124.3	100.3	103.6
-67.5°	164.0	167.5	159.0	155.5	146.2	116.6	98.3	88.0	82.3	89.6	88.3
-70°	97.8	106.2	110.3	107.4	102.2	86.1	75.3	70.5	65.4	73.1	72.8
-72.5°	76.6	81.1	97.0	96.2	82.8	70.0	57.0	54.6	54.6	58.6	57.1
-75°	72.8	71.3	74.5	78.4	63.3	58.1	54.6	53.2	49.5	49.1	54.6
-77.5°	52.2	50.4	53.5	68.7	52.0	41.1	38.3	36.4	36.4	39.3	43.7
-80°	30.9	29.4	32.7	59.8	41.4	36.4	36.4	35.7	33.2	30.5	27.8
-82.5°	18.2	18.2	19.3	29.5	22.7	21.1	19.5	17.7	15.8	13.9	11.8
-85°	6.3	5.6	4.8	3.9	3.0	2.0	0.9	0.0	0.0	0.0	0.0
-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: P902075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WB-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°	15.4	14.6	14.0	26.1	24.4	22.7	21.0	19.2	17.4	15.6	13.7
85°	43.2	40.3	37.5	44.3	42.6	40.9	39.2	37.4	34.8	31.1	27.3
82.5°	64.2	62.0	59.7	57.5	55.0	52.3	49.6	47.8	52.1	46.9	43.1
80°	79.5	76.5	73.4	72.8	79.2	73.8	71.7	64.1	69.3	63.4	62.6
77.5°	91.0	91.0	87.1	85.1	92.5	97.7	105.5	99.1	87.8	82.3	81.2
75°	91.6	91.0	94.7	95.9	97.5	114.7	128.3	125.2	107.7	104.4	95.4
72.5°	106.7	101.4	102.9	108.6	123.2	143.8	145.3	136.6	127.1	125.1	107.1
70°	133.9	121.9	109.5	117.1	152.8	181.7	175.3	154.1	145.8	140.5	118.4
67.5°	155.4	147.8	136.0	136.9	184.0	217.8	205.1	181.3	166.1	155.1	129.3
65°	174.5	161.6	155.2	167.8	230.9	261.0	234.4	208.1	186.1	169.5	139.8
62.5°	203.4	186.8	175.3	209.8	288.8	316.2	268.9	234.4	205.1	183.6	149.8
60°	231.9	217.9	205.3	274.1	365.9	372.0	316.2	263.5	228.3	197.4	164.6
57.5°	271.7	258.3	236.9	357.8	450.3	432.4	367.5	301.8	251.1	216.3	181.0
55°	344.9	299.5	284.8	409.2	540.4	496.0	429.5	336.3	279.6	236.1	198.3
52.5°	478.8	366.0	341.0	443.3	548.9	567.6	494.0	395.0	308.4	255.3	213.3
50°	797.5	740.8	565.1	466.3	558.9	597.0	553.9	453.8	343.1	275.4	225.5
47.5°	2587.8	2257.1	1348.5	971.7	577.5	621.3	606.8	501.2	384.7	292.1	235.2
45°	5356.0	4513.3	3247.6	1938.5	907.0	700.6	646.4	540.1	420.2	305.2	244.7
42.5°	9895.1	7692.0	5569.3	3230.8	1823.9	1110.5	691.2	575.8	451.8	333.9	258.7
40°	22584.7	13133.2	8197.7	4096.3	2577.0	1834.2	1119.1	733.9	484.4	361.1	272.6
37.5°	39769.1	23385.9	13984.8	6422.2	3069.5	2260.7	1601.7	1069.7	514.0	386.5	285.9
35°	61206.0	36274.1	21761.4	8757.7	3687.6	2674.7	2054.7	1532.9	649.4	410.1	303.4
32.5°	78189.3	51496.0	32591.8	16661.9	5789.5	3214.4	2428.3	1739.7	910.0	431.9	320.9
30°	90590.0	63942.4	42066.8	25046.9	7847.1	3739.7	2780.0	1951.3	1177.0	451.7	337.7
27.5°	93919.4	72224.2	50723.5	32517.8	12934.2	4836.8	3030.1	2136.0	1442.7	470.2	354.8
25°	94910.7	77962.9	56911.6	39442.7	19142.5	6318.4	3244.8	2237.2	1595.8	501.2	372.3
22.5°	92526.7	80176.8	61342.3	46142.2	24778.2	7814.5	3393.9	2265.7	1465.2	558.9	384.0
20°	89209.1	80346.5	64650.3	49652.5	30097.5	9715.8	3591.4	2258.6	1394.9	566.3	393.4
17.5°	85979.4	79914.5	66631.3	52095.3	35055.4	14209.3	4310.6	2244.9	1430.6	596.0	402.5
15°	81954.1	77956.5	67487.4	53677.3	39158.5	18496.0	5767.4	2390.9	1537.2	617.9	411.4
12.5°	78414.8	75585.6	66983.7	54589.1	42284.1	22347.2	7556.3	2813.6	1614.5	628.8	418.4
10°	75229.1	73411.8	66276.8	55222.2	44368.4	25835.6	9356.4	3354.2	1731.0	630.1	422.7
7.5°	72210.1	71326.7	65525.8	55576.5	45081.0	28793.6	11399.0	4081.3	1865.7	625.4	426.7
5°	69142.6	69274.8	64698.7	55946.9	45660.2	31192.8	13354.8	4845.2	2043.9	625.5	438.9
2.5°	66272.7	67209.9	63797.6	56136.8	46211.1	33088.6	15437.4	5763.2	2272.0	624.1	450.0
0°	63560.5	65148.7	62800.5	56192.8	46663.4	34476.5	17301.9	6598.6	2475.6	618.9	459.6
-2.5°	61193.3	63146.1	61575.2	55986.2	46994.1	35305.5	18942.1	7507.9	2834.4	958.9	477.0
-5°	58917.7	61033.5	60207.0	55503.3	47048.7	35680.4	20211.8	8234.8	3127.5	1276.6	491.3
-7.5°	56667.0	58899.9	58692.8	54839.7	46865.4	35520.7	20891.1	8927.6	3483.8	1535.3	501.6
-10°	54419.1	56857.8	57109.7	54054.4	46493.1	35142.9	21185.8	9417.4	3836.5	1687.2	511.6
-12.5°	52585.2	55041.4	55938.0	53278.2	45587.5	34538.1	20847.7	9566.7	4121.4	1776.1	516.8
-15°	50264.9	52908.9	53569.2	51403.3	43874.4	32770.9	20048.0	9437.1	4542.5	1853.0	515.3
-17.5°	45793.0	47558.9	48779.7	46459.3	40029.5	30286.0	18078.3	9447.0	4883.6	1880.6	501.5
-20°	38343.4	40496.7	41512.2	40347.1	34808.8	26508.7	16603.8	9496.1	5120.5	1739.0	474.6



REPORT NUMBER: P902075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WB-LO

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	31718.4	33344.3	34827.1	34146.9	29904.7	23156.0	15445.1	9485.3	5136.7	1372.3	437.6
-25°	25747.2	27247.9	28503.0	28209.2	25547.5	20183.2	14394.5	8957.8	4893.6	815.2	405.1
-27.5°	19699.8	21085.3	22179.1	22381.2	20742.4	17476.8	12480.5	8140.6	3801.3	655.7	370.8
-30°	13366.8	14759.6	15865.9	16305.9	16140.7	13723.1	10428.0	6422.3	2706.1	565.6	338.8
-32.5°	7933.3	9005.8	9786.3	10800.7	10979.1	10002.9	7661.7	4428.3	1728.1	464.3	309.2
-35°	3905.2	4810.3	5556.7	6174.1	6295.6	6247.8	4748.9	2500.2	861.4	366.4	282.5
-37.5°	2210.9	2554.7	2791.9	3323.8	3638.1	3528.3	2500.1	1253.9	468.8	302.6	261.3
-40°	1451.3	1579.0	1729.1	1845.5	1799.2	1980.7	1279.5	666.0	371.7	279.5	243.8
-42.5°	1203.0	1195.1	1191.8	1164.9	1023.1	1025.3	466.9	394.6	301.0	258.9	225.7
-45°	1014.2	978.5	925.9	803.8	565.4	499.4	391.2	330.2	256.4	240.6	207.3
-47.5°	742.3	735.4	667.2	527.1	402.0	374.8	323.8	275.3	232.7	218.9	188.3
-50°	566.8	554.9	495.9	382.9	340.4	308.6	268.9	232.6	206.0	195.4	169.0
-52.5°	473.0	440.6	377.3	320.5	278.1	249.9	215.9	203.6	185.5	174.3	149.3
-55°	388.5	347.8	299.4	256.4	216.6	203.2	184.2	176.1	167.1	155.6	130.4
-57.5°	305.3	263.9	220.4	190.7	179.6	168.9	161.7	155.4	148.6	139.1	121.5
-60°	215.7	179.1	150.7	151.8	149.9	151.6	143.3	134.7	129.9	124.6	113.7
-62.5°	125.4	124.6	120.7	126.3	134.6	134.7	130.5	114.0	111.2	109.2	104.4
-65°	98.5	107.0	100.6	110.2	111.5	111.9	112.6	96.3	98.7	95.8	92.0
-67.5°	81.7	91.1	86.2	94.3	89.8	96.2	93.8	84.7	88.0	84.7	81.1
-70°	71.1	77.2	73.0	80.7	78.2	81.6	79.1	75.6	73.0	72.9	71.0
-72.5°	63.1	65.0	66.5	72.2	66.4	63.2	62.3	60.1	54.3	59.7	58.0
-75°	54.9	50.7	53.0	59.5	54.5	49.5	46.8	41.5	38.6	48.7	44.8
-77.5°	40.1	36.4	37.3	46.7	42.6	38.3	34.0	29.6	28.5	39.0	31.9
-80°	24.9	21.9	21.9	33.8	30.5	27.1	23.7	20.1	18.5	25.6	19.0
-82.5°	9.6	7.4	6.8	20.9	18.4	15.9	13.2	10.6	8.4	10.2	5.4
-85°	0.0	0.0	0.4	7.9	6.2	4.5	2.8	1.0	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



REPORT NUMBER: P902075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WB-LO

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°	11.8	14.7	7.9	5.9	4.0	2.0	0.0
85°	23.8	29.3	15.8	11.9	7.9	4.0	0.0
82.5°	36.1	43.6	23.6	17.8	11.9	5.9	0.0
80°	48.0	54.8	31.4	23.6	15.8	7.9	0.0
77.5°	59.4	59.5	39.2	29.5	19.7	9.8	0.0
75°	70.2	64.4	46.9	35.2	23.5	11.8	0.0
72.5°	81.2	69.8	54.5	40.9	27.3	13.7	0.0
70°	92.4	77.3	62.0	46.6	31.1	15.6	0.0
67.5°	103.5	86.5	69.3	52.1	34.8	17.4	0.0
65°	114.3	95.5	76.6	57.6	38.2	19.2	0.0
62.5°	124.9	104.4	83.7	62.9	41.3	21.0	0.0
60°	135.3	113.1	90.7	68.1	44.2	22.7	0.0
57.5°	145.5	121.5	97.4	73.1	46.9	24.4	0.0
55°	160.0	129.8	104.0	76.7	49.3	26.1	0.0
52.5°	172.7	137.8	110.4	79.8	51.5	27.7	0.0
50°	183.5	145.5	116.6	82.4	53.3	29.2	0.0
47.5°	192.2	153.0	121.9	84.5	54.9	30.7	0.0
45°	200.7	160.2	125.5	86.1	56.2	32.2	0.0
42.5°	210.3	167.1	128.7	87.1	57.1	33.5	0.0
40°	221.2	173.7	131.6	88.5	57.8	34.9	0.0
37.5°	232.5	180.0	134.1	90.4	58.2	36.1	0.0
35°	242.1	187.6	137.4	93.5	58.9	36.8	0.0
32.5°	249.2	194.8	141.3	96.8	59.8	37.4	0.0
30°	254.4	200.5	145.3	99.9	60.6	37.9	0.0
27.5°	258.6	204.7	149.8	102.8	62.5	38.4	0.0
25°	263.5	207.6	153.4	105.4	64.3	38.8	0.0
22.5°	269.0	209.7	155.9	107.9	65.9	39.2	0.0
20°	276.5	212.9	157.5	110.0	67.3	39.6	0.0
17.5°	286.2	216.4	158.3	111.9	68.6	39.9	0.0
15°	294.8	220.2	158.2	113.6	69.7	40.2	0.0
12.5°	302.0	223.8	159.4	115.0	70.6	40.4	0.0
10°	307.9	226.8	161.0	116.2	71.4	40.6	0.0
7.5°	312.6	229.1	162.2	117.1	72.0	40.8	0.0
5°	315.9	230.7	163.1	117.8	72.5	40.9	0.0
2.5°	317.9	231.7	163.6	118.2	72.7	40.9	0.0
0°	318.6	232.1	163.8	118.3	72.8	41.0	0.0
-2.5°	322.8	232.7	163.6	118.2	72.7	40.3	0.0
-5°	325.7	232.6	163.1	117.8	72.5	39.7	0.0
-7.5°	327.2	231.5	162.2	117.1	72.0	38.9	0.0
-10°	327.1	229.3	161.0	116.2	71.4	38.2	0.0
-12.5°	324.1	225.7	159.4	115.0	70.6	37.3	0.0
-15°	318.1	220.9	157.5	113.6	69.7	36.4	0.0
-17.5°	309.0	216.0	155.3	111.9	68.6	35.5	0.0
-20°	296.1	211.2	152.7	110.0	67.3	34.4	0.0



REPORT NUMBER: P902075 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WB-LO

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	285.3	205.7	149.8	107.9	65.9	33.3	0.0
-25°	275.5	199.6	146.6	105.4	64.3	32.1	0.0
-27.5°	264.8	193.0	143.1	102.8	62.5	30.9	0.0
-30°	252.7	185.7	139.0	99.9	60.6	29.5	0.0
-32.5°	239.0	177.9	132.7	96.8	58.5	28.1	0.0
-35°	226.1	169.6	125.5	93.5	56.3	26.6	0.0
-37.5°	214.3	160.7	117.7	90.0	54.0	25.1	0.0
-40°	203.0	151.3	110.3	86.2	51.5	23.6	0.0
-42.5°	189.2	141.5	102.6	81.8	48.9	22.2	0.0
-45°	173.4	131.1	94.8	76.7	46.1	20.8	0.0
-47.5°	157.2	120.3	86.9	71.8	43.2	19.4	0.0
-50°	143.1	109.1	80.2	67.1	40.3	18.0	0.0
-52.5°	130.5	101.4	74.0	62.8	37.2	16.7	0.0
-55°	119.2	93.4	70.2	58.7	34.0	15.4	0.0
-57.5°	109.1	85.1	66.9	54.9	30.7	14.1	0.0
-60°	98.9	76.7	63.5	49.9	27.3	12.9	0.0
-62.5°	88.5	69.3	60.1	44.7	23.8	11.7	0.0
-65°	77.9	62.2	56.5	39.4	20.2	10.5	0.0
-67.5°	67.1	54.3	51.1	33.9	17.4	9.4	0.0
-70°	56.0	45.5	43.8	28.4	15.5	8.2	0.0
-72.5°	44.8	37.5	36.3	22.7	13.7	7.2	0.0
-75°	35.0	31.0	28.7	17.6	11.8	6.1	0.0
-77.5°	29.2	25.2	21.0	14.7	9.8	5.0	0.0
-80°	23.4	19.7	15.7	11.8	7.9	4.0	0.0
-82.5°	17.6	14.7	11.8	8.9	5.9	3.0	0.0
-85°	11.8	9.8	7.9	5.9	4.0	2.0	0.0
-87.5°	5.9	4.9	3.9	3.0	2.0	1.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)