

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: P902115 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/14/2024

Test Information

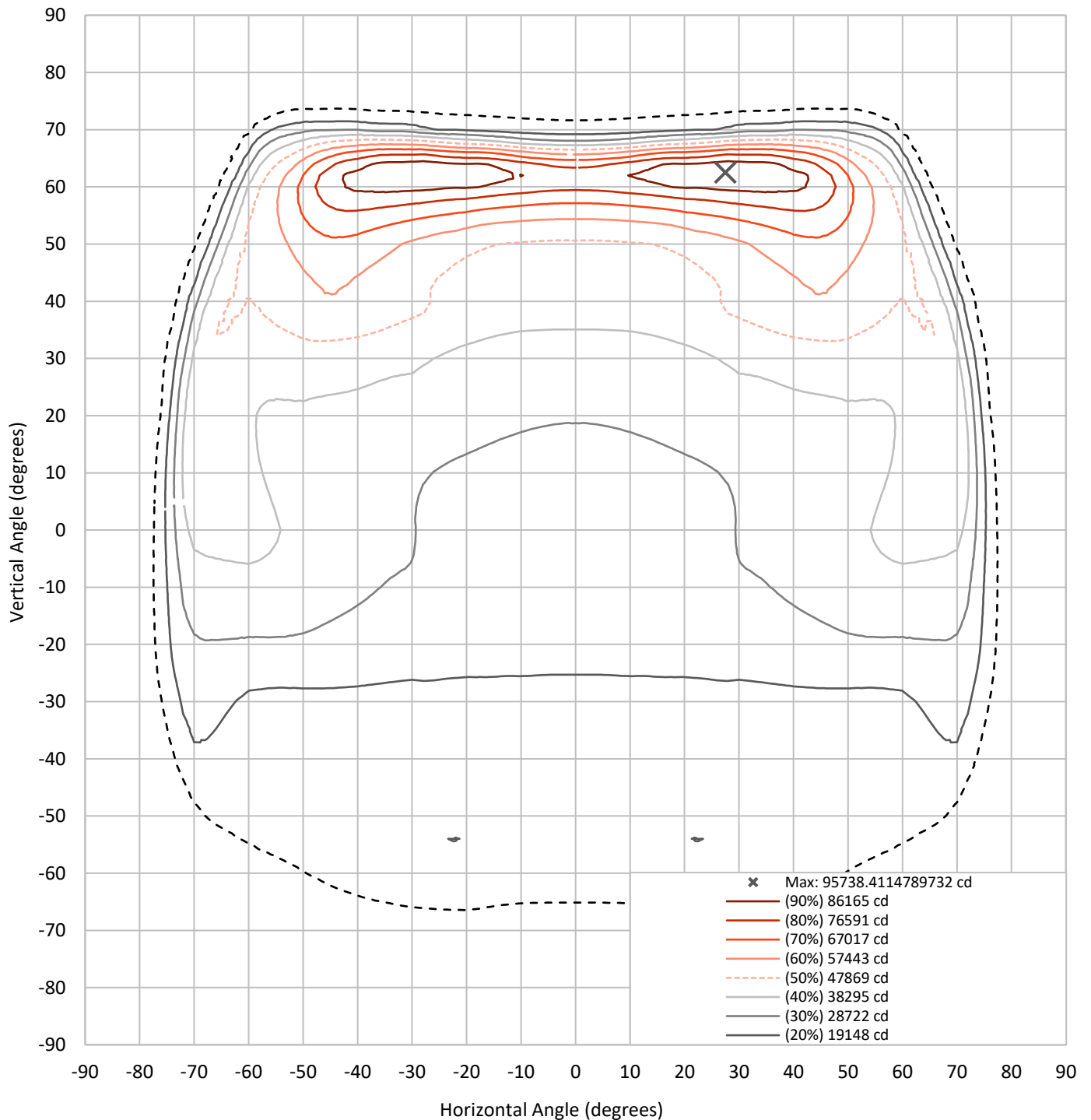
Test Method: LM-79-08
Report Number: P902115 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVM2039400)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A65-VWB
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A65-VWB OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 7V
Luminaire Lumens:	151961.3 lumens	Max Intensity:	95738.4 candela
Efficiency:	N/A	Max Intensity Angle:	27.5°H x 62.5°V
Efficacy:	107.5 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	112.9°H x 29.9°V	Field Angle (10%):	128.4°H x 138.7°V
Beam Lumens:	49095.3 lumens	Field Lumens:	148234.7 lumens
Beam Efficiency:	32.3%	Field Efficiency:	97.5%
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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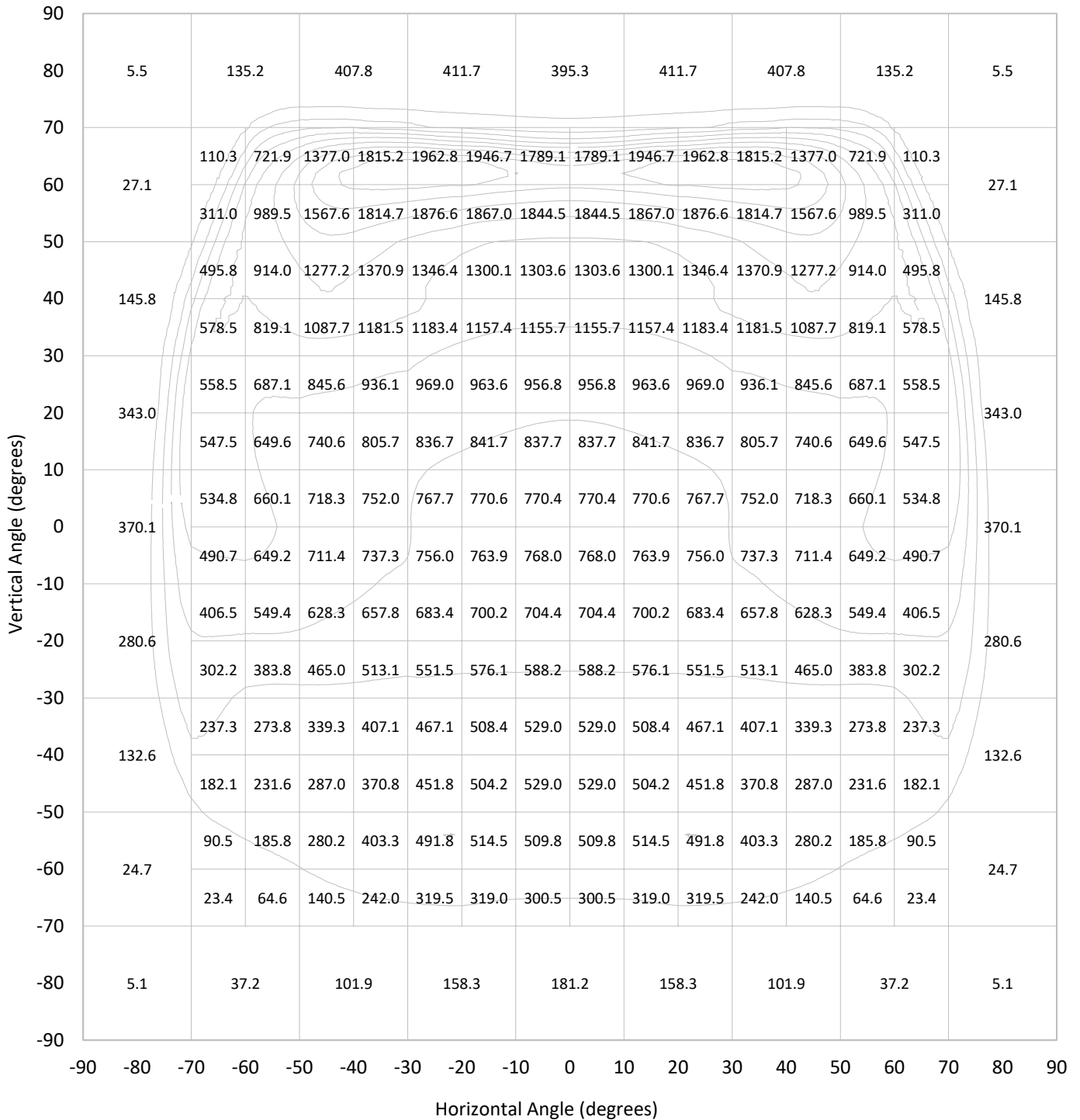
Iso-Candela Plot





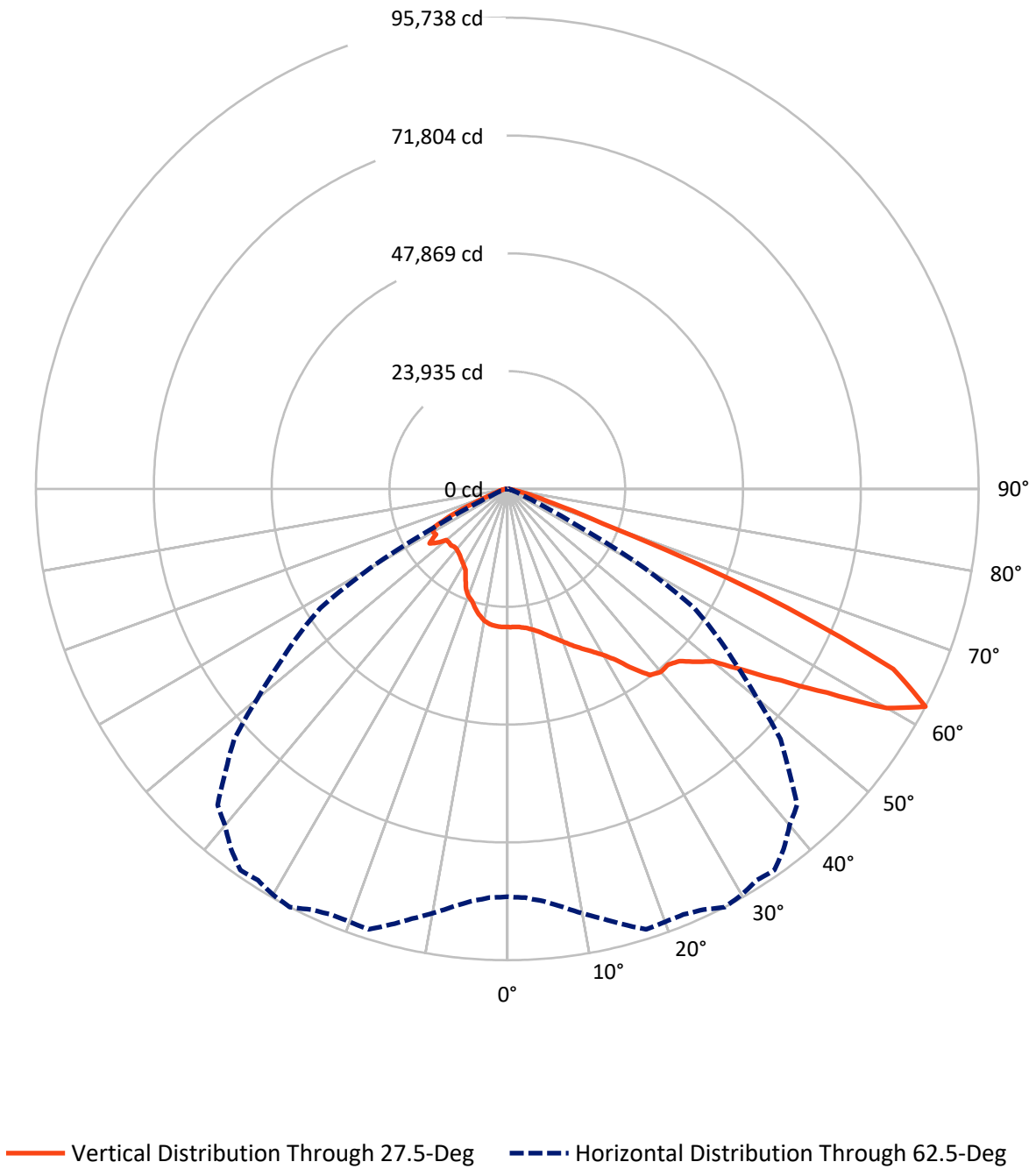
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Lumen Table



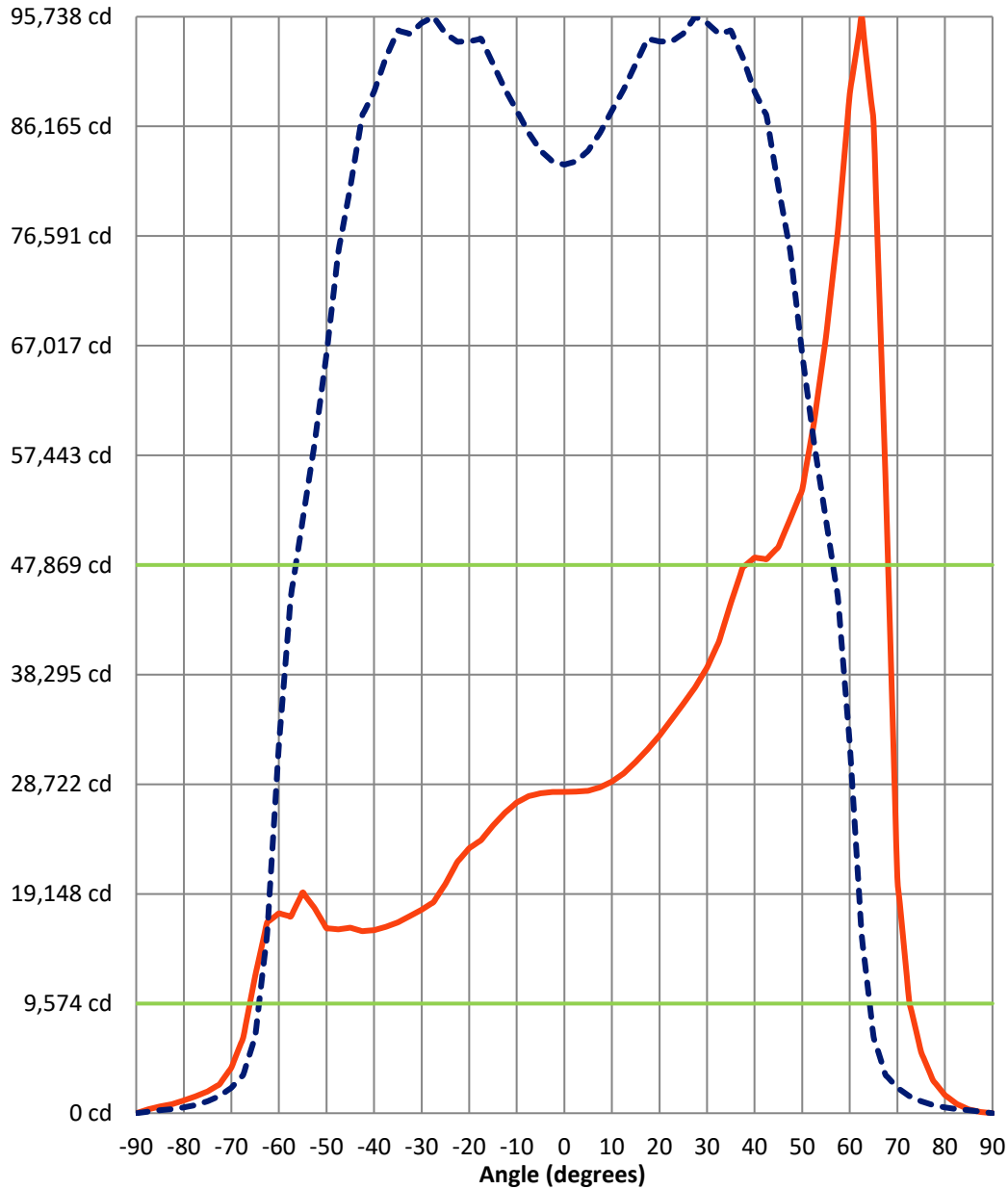
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 112.9°
 V Angle: 29.9°
 Lumens: 49095.3
 Efficiency: 32.3%

Field:
 H Angle: 128.4°
 V Angle: 138.7°
 Lumens: 148234.7
 Efficiency: 97.5%

Spill:
 Lumens: 3726.6
 Efficiency: 2.5%

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



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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	12.9	25.8	36.5	47.4	59.1	70.6	82.1	93.3	95.8	101.0
85°	0.0	25.8	51.5	73.0	94.7	118.0	141.1	164.0	186.5	191.9	204.0
82.5°	0.0	38.6	77.1	109.4	141.9	176.8	211.4	243.4	279.1	295.8	323.6
80°	0.0	51.3	102.6	145.8	189.0	233.8	276.1	317.9	370.4	400.2	463.2
77.5°	0.0	64.0	127.9	182.0	234.2	287.0	339.7	391.8	485.4	579.4	684.5
75°	0.0	76.5	152.9	218.0	275.9	339.7	402.8	517.0	660.0	776.3	1003.3
72.5°	0.0	88.9	177.7	247.5	316.7	391.8	507.0	668.4	833.8	1105.9	1563.1
70°	0.0	101.1	202.1	274.9	356.5	460.9	622.2	815.0	1121.0	1487.3	2250.1
67.5°	0.0	113.1	226.1	301.7	394.9	547.3	733.5	1042.4	1415.2	1992.5	3203.9
65°	0.0	125.0	245.7	328.0	446.0	631.2	875.0	1275.3	1776.4	2617.1	4517.1
62.5°	0.0	136.5	261.7	353.6	508.3	712.3	1046.6	1499.0	2225.1	3364.2	6678.2
60°	0.0	147.8	277.4	378.4	568.9	813.6	1206.8	1788.3	2632.4	4684.7	9623.2
57.5°	0.0	158.9	292.7	403.9	627.7	939.3	1354.7	2050.9	3432.4	5865.5	15503.2
55°	0.0	169.6	307.5	446.2	684.6	1059.8	1583.1	2310.9	4320.0	9443.6	20408.3
52.5°	0.0	180.0	321.9	486.8	746.6	1175.0	1814.1	3057.2	5241.0	13072.7	26365.0
50°	0.0	190.1	335.9	525.5	834.3	1285.9	2037.9	3849.8	8409.7	17188.9	32734.6
47.5°	0.0	199.8	349.3	562.2	918.3	1469.4	2316.6	4627.0	11447.8	23572.0	37760.8
45°	0.0	209.1	362.3	597.0	999.5	1648.6	2940.6	6368.9	14540.4	29693.8	42127.0
42.5°	0.0	218.0	374.6	629.7	1077.4	1822.7	3525.8	8969.6	19939.4	34745.9	45778.8
40°	0.0	226.5	386.4	661.0	1151.8	1991.3	4072.7	11456.2	25166.6	39290.3	47340.9
37.5°	0.0	234.6	397.6	690.9	1222.7	2154.0	4578.1	13829.3	30190.3	43853.2	48832.1
35°	0.0	240.5	414.3	736.3	1326.7	2465.3	5883.1	17061.4	34227.8	46547.7	49258.7
32.5°	0.0	245.5	431.9	786.4	1440.0	2837.6	7551.5	20716.4	37491.3	47048.5	47445.8
30°	0.0	250.1	448.4	834.2	1545.3	3188.9	9042.9	24147.4	40453.8	47378.4	45721.5
27.5°	0.0	254.4	463.7	879.5	1660.0	3518.2	10397.7	27415.1	43275.2	47756.8	44363.2
25°	0.0	258.4	477.7	922.0	1773.4	3824.4	11591.2	30504.7	45677.9	47387.8	43843.9
22.5°	0.0	262.0	490.6	961.8	1883.3	4128.8	12614.3	32888.4	46176.8	46869.7	43383.1
20°	0.0	265.2	502.1	998.5	1988.9	4466.7	13847.6	34555.1	46426.5	46464.0	43065.7
17.5°	0.0	268.1	512.3	1032.7	2089.3	4787.0	15667.7	35975.3	46425.8	46038.8	42837.7
15°	0.0	270.6	521.2	1063.9	2183.8	5263.4	17192.2	36956.9	46396.9	45564.8	42628.4
12.5°	0.0	272.7	528.8	1091.4	2304.7	5863.2	18395.8	37418.9	46008.4	45220.8	42504.7
10°	0.0	274.5	535.0	1115.2	2434.0	6430.3	19291.7	37602.8	45337.5	44574.7	42358.0
7.5°	0.0	275.8	539.9	1135.1	2558.2	6958.9	19919.6	37463.1	44631.6	43961.5	42085.5
5°	0.0	276.8	543.3	1150.9	2675.0	7389.2	20256.5	36793.9	43504.5	43210.6	41815.2
2.5°	0.0	277.4	545.4	1162.4	2781.8	7725.7	20322.2	35886.7	42198.6	42224.5	41262.8
0°	0.0	277.6	546.1	1169.5	2876.1	7972.9	20150.6	34772.1	40829.1	41275.1	40747.3
-2.5°	0.0	277.4	545.2	1163.5	2946.8	8282.9	19992.2	33396.4	39025.0	39730.8	39616.4
-5°	0.0	276.8	543.0	1153.1	3000.1	8508.7	19672.5	31893.6	37156.9	38167.4	38468.8
-7.5°	0.0	275.8	539.4	1138.3	3033.4	8650.7	19232.6	30312.8	35316.2	36502.5	36884.0
-10°	0.0	274.5	534.4	1119.2	3044.2	8709.3	18778.1	29175.4	33720.6	34763.1	35186.0
-12.5°	0.0	272.7	528.1	1096.1	3030.2	8616.0	18453.0	28146.3	32144.2	33042.4	33482.1
-15°	0.0	270.6	520.5	1068.9	2958.9	8331.3	18074.8	27158.0	30640.4	31666.5	31822.1
-17.5°	0.0	268.1	511.5	1038.0	2785.5	8027.2	17668.1	26090.9	29160.6	30243.5	30054.8
-20°	0.0	265.2	501.2	1002.4	2600.9	7703.8	17108.6	24989.6	27643.1	28318.8	27976.6



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

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	262.0	489.7	960.9	2406.4	7273.6	16215.4	24003.0	26051.7	26100.3	25688.7
-25°	0.0	258.4	476.9	916.6	2203.6	6592.9	15120.9	22821.0	24559.2	23932.2	23438.8
-27.5°	0.0	254.4	462.9	869.8	1993.7	5799.3	13832.8	21363.6	23239.8	22606.6	21517.5
-30°	0.0	250.1	447.8	820.6	1778.4	4964.6	12306.0	19886.1	22183.4	21508.8	20346.7
-32.5°	0.0	245.5	431.4	769.2	1563.4	4091.7	10503.4	18396.4	21279.5	20504.4	19461.7
-35°	0.0	240.5	413.9	715.8	1348.0	3183.6	8601.8	16796.3	20420.3	19715.5	18621.9
-37.5°	0.0	234.6	397.6	668.2	1177.1	2480.8	6936.3	14687.5	18997.5	18835.0	17919.0
-40°	0.0	226.5	386.4	638.6	1103.3	2221.0	5791.8	12159.8	16767.7	17769.3	17122.2
-42.5°	0.0	218.0	374.6	608.7	1027.6	1962.1	4674.0	9676.5	14513.6	16531.4	16247.3
-45°	0.0	209.1	362.3	578.6	949.9	1704.9	3601.3	7244.6	12238.1	14686.9	14850.3
-47.5°	0.0	199.8	349.3	546.7	870.6	1449.7	2569.2	5489.5	9649.8	12324.2	13470.7
-50°	0.0	190.1	335.9	513.2	789.8	1198.1	2184.2	4397.0	7269.8	10107.9	11833.2
-52.5°	0.0	180.0	321.9	478.2	705.7	1092.0	1894.3	3367.0	4972.0	7679.1	9176.6
-55°	0.0	169.6	307.5	441.6	648.2	983.8	1593.8	2456.4	3865.6	5418.0	6657.8
-57.5°	0.0	158.9	292.7	403.5	596.1	866.6	1264.5	2030.4	2861.7	3567.2	4784.3
-60°	0.0	147.8	277.4	379.4	542.4	740.3	1080.1	1554.5	2011.8	2561.2	2966.7
-62.5°	0.0	136.5	261.7	355.9	487.2	642.6	899.8	1087.7	1518.7	1623.4	2051.3
-65°	0.0	125.0	245.7	331.8	430.7	573.0	723.3	909.1	1091.5	1259.2	1544.3
-67.5°	0.0	113.1	226.1	307.3	384.9	503.4	601.2	742.9	855.6	1017.7	1225.7
-70°	0.0	101.1	202.1	282.4	351.7	433.8	526.8	597.9	719.1	831.7	982.5
-72.5°	0.0	88.9	177.7	257.0	318.0	378.5	453.9	522.7	591.0	694.7	808.5
-75°	0.0	76.5	152.9	229.0	283.8	335.9	387.5	447.9	508.5	573.1	662.2
-77.5°	0.0	64.0	127.9	191.5	249.2	292.7	335.9	377.1	425.1	480.1	545.5
-80°	0.0	51.3	102.6	153.6	204.4	249.2	283.8	312.2	346.5	387.5	438.7
-82.5°	0.0	38.6	77.1	115.5	153.6	191.5	229.0	246.6	269.5	299.2	337.8
-85°	0.0	25.8	51.5	77.1	102.6	127.9	152.9	168.4	186.7	208.7	237.8
-87.5°	0.0	12.9	25.8	38.6	51.3	64.0	76.5	84.2	93.4	104.4	120.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	105.1	113.7	119.8	117.5	124.6	117.1	122.9	128.7	122.6	104.8	108.3
85°	218.5	240.9	259.5	266.8	273.4	278.5	293.5	299.6	302.0	293.2	288.9
82.5°	354.4	388.2	421.2	479.6	515.1	551.5	571.3	579.6	607.0	613.4	642.0
80°	552.9	664.3	781.3	858.4	922.9	1056.5	1110.7	1113.9	1126.8	1145.7	1185.0
77.5°	805.9	1041.3	1372.0	1683.0	1884.1	1965.3	2313.1	2427.8	2480.6	2498.8	2506.6
75°	1426.4	1778.3	2168.3	4139.2	5051.6	5070.8	5015.1	5583.2	5531.6	5330.6	5092.6
72.5°	2141.6	4134.2	7024.1	9184.9	11891.9	12927.5	12639.8	12724.2	12740.7	11899.4	11003.2
70°	4131.1	7548.1	14900.2	21111.8	23478.9	26100.2	28208.4	27653.7	28715.5	28730.5	26077.5
67.5°	6299.6	14909.8	26300.1	33593.2	38286.1	42827.9	47554.1	51818.6	53796.3	55419.1	57572.6
65°	10528.4	22368.1	36976.7	45284.8	50162.8	57263.9	64510.7	70373.0	75752.3	78438.3	82024.7
62.5°	15572.4	32191.2	45069.3	51815.4	58503.3	66278.3	75233.0	80853.9	87087.0	89199.7	92179.7
60°	23827.1	39475.5	49532.1	55587.2	62283.4	69949.3	77545.6	82797.9	86076.6	88307.3	88828.9
57.5°	30493.9	44319.6	51718.1	56790.4	62670.0	69659.1	74985.0	78862.8	80589.9	80977.0	80653.3
55°	36018.1	47098.3	52493.4	56526.3	61842.0	67205.4	71318.2	73943.9	74805.3	74190.7	73325.5
52.5°	40795.5	48835.8	52133.3	55759.0	60023.0	64169.1	67451.2	69282.1	69487.2	68519.9	66993.7
50°	44346.8	49431.0	51531.8	54187.0	57893.1	61241.7	63934.5	65370.0	64639.4	63974.4	61756.7
47.5°	47631.4	49344.5	50278.7	52633.0	56040.4	59095.5	61163.9	62225.3	62195.0	60700.7	58922.5
45°	47750.5	48609.6	49254.7	51304.0	54149.2	56872.7	58675.0	59422.6	59146.4	57724.3	56068.0
42.5°	48420.0	47939.6	48616.8	50433.5	52969.9	55478.2	57132.7	57984.6	57346.5	55958.9	54557.9
40°	48500.9	47721.8	48308.8	50168.2	52729.2	55125.1	56903.2	57396.9	56676.5	55825.4	54459.7
37.5°	48309.0	47238.8	47627.9	49243.7	51583.9	53717.7	55377.8	55776.6	54952.0	54076.2	52840.0
35°	46883.6	45600.3	45770.1	46912.8	48586.4	50205.0	51413.2	51379.7	50839.9	50141.3	49060.4
32.5°	44760.9	43275.5	43106.5	43736.1	44903.5	46264.8	46907.3	46621.1	46207.6	45619.1	44737.4
30°	42830.6	41370.3	40839.0	41498.6	42388.5	43225.6	43456.3	43318.5	43027.7	42620.3	41958.0
27.5°	41696.5	39993.9	39735.3	40102.1	40610.8	41215.2	41207.7	40969.8	40788.0	40447.6	39863.9
25°	41024.7	39507.2	38852.3	39041.7	39263.1	39617.9	39354.2	39216.1	38981.8	38548.3	37905.3
22.5°	40730.7	39011.6	38348.3	38080.8	38186.6	38255.5	37838.5	37555.3	37215.7	36769.5	36163.9
20°	40472.4	38796.1	37926.8	37589.0	37339.7	37050.9	36487.1	36160.3	35742.6	35263.3	34667.7
17.5°	40394.6	38753.1	37878.7	37211.6	36759.8	36171.6	35494.1	35081.5	34577.5	34020.7	33447.1
15°	40451.6	38926.3	37887.4	37007.6	36408.8	35638.2	34827.1	34246.5	33675.5	33004.2	32401.2
12.5°	40528.0	39092.3	38028.0	37113.7	36280.5	35324.7	34407.3	33705.5	33023.0	32258.0	31603.0
10°	40648.5	39302.5	38293.6	37344.3	36428.4	35269.2	34247.5	33446.6	32580.2	31740.8	31008.5
7.5°	40654.0	39516.3	38618.6	37674.2	36734.6	35363.0	34281.3	33364.9	32387.8	31455.8	30638.9
5°	40694.0	39740.1	38948.1	38031.5	37078.4	35553.3	34405.7	33363.3	32357.6	31384.6	30520.6
2.5°	40527.3	39866.7	39228.4	38358.0	37405.1	35770.7	34552.4	33450.7	32404.5	31414.0	30518.7
0°	40369.6	39973.6	39473.1	38635.7	37661.8	35950.8	34676.6	33548.0	32487.7	31472.8	30549.0
-2.5°	39575.6	39478.6	39094.9	38365.6	37421.1	35894.4	34587.5	33540.8	32444.9	31413.5	30497.8
-5°	38716.2	38772.5	38411.4	37733.2	36857.6	35572.3	34328.2	33327.4	32256.2	31214.3	30285.6
-7.5°	37249.7	37492.5	37302.9	36743.4	35983.9	34929.6	33776.5	32848.5	31823.6	30814.0	29882.9
-10°	35664.5	35849.4	35697.6	35311.1	34799.1	33917.7	32858.5	32009.9	31047.0	30133.1	29246.9
-12.5°	33668.2	33852.5	33848.6	33605.1	33163.5	32509.2	31578.7	30755.9	29930.6	29093.0	28267.0
-15°	31689.1	31856.3	31781.8	31693.6	31378.7	30760.2	30043.6	29236.5	28511.5	27746.2	26971.9
-17.5°	29914.6	29870.9	29767.4	29852.9	29537.1	29125.9	28474.3	27789.7	27131.0	26403.6	25700.0
-20°	28005.3	27453.8	27681.2	27576.7	27603.0	27237.6	26958.1	26386.0	25887.5	25291.5	24654.7



REPORT NUMBER: P902115 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-VWB

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	25047.6	24677.3	24590.1	24773.1	24670.1	24682.7	24415.7	24191.6	23866.5	23409.1	22975.5
-25°	22127.6	21893.0	21354.7	21555.1	21464.8	21362.4	21454.7	21201.1	20932.7	20776.0	20466.0
-27.5°	20388.3	19468.3	19306.8	19047.3	19118.3	19181.8	19169.8	19150.5	19046.3	18918.1	18718.9
-30°	19131.9	18223.7	17698.5	17535.7	17565.2	17721.5	17796.4	17927.2	17870.2	17855.5	17795.9
-32.5°	18252.6	17222.9	16621.6	16331.8	16259.3	16420.3	16559.1	16701.5	16828.7	16873.4	16927.9
-35°	17542.1	16445.7	15604.7	15296.3	15199.8	15296.0	15417.9	15582.6	15817.4	15950.6	16099.0
-37.5°	16865.3	15894.8	15092.7	14595.9	14402.1	14421.3	14542.0	14732.8	14990.9	15182.1	15389.8
-40°	16255.4	15461.6	14752.0	14146.2	13938.5	13860.3	13922.4	14080.7	14294.6	14561.9	14791.8
-42.5°	15479.3	14815.0	14230.9	13760.8	13513.6	13509.8	13553.3	13687.1	13959.0	14351.7	14613.1
-45°	14362.2	13835.6	13479.5	13219.0	12963.0	12944.6	12991.7	13123.8	13519.3	13942.5	14476.1
-47.5°	13491.0	13038.8	12763.0	12527.3	12392.8	12444.5	12560.1	12708.2	12987.1	13483.6	14030.4
-50°	12195.3	12551.2	12532.7	12314.9	12334.7	12337.5	12468.0	12764.8	12942.2	13546.5	14117.1
-52.5°	10448.1	11644.1	11924.5	12342.1	12523.5	12664.5	13132.8	13484.3	14147.4	14715.5	15546.4
-55°	8238.3	9410.9	10720.2	11198.6	11895.2	12414.5	12775.1	13752.3	14357.0	15682.3	16320.9
-57.5°	5883.3	7105.7	8241.4	9302.6	10225.0	11091.3	11717.4	12331.5	13294.7	14114.3	15308.9
-60°	4013.0	4959.6	5999.0	7077.2	8195.5	9290.0	10547.9	11445.9	12445.9	13581.7	14637.1
-62.5°	2570.4	3377.5	3984.7	4954.9	5743.9	6873.0	8095.1	9279.8	10696.6	11611.2	12895.5
-65°	1861.2	2186.4	2697.1	2908.1	3724.5	4145.9	5050.7	6128.1	6944.4	8024.0	8904.6
-67.5°	1432.0	1680.2	1884.8	2203.8	2412.9	2702.2	3132.8	3485.4	4091.2	4712.5	5066.5
-70°	1162.5	1323.6	1515.3	1695.9	1835.3	2036.7	2199.9	2358.5	2706.5	2893.7	3043.1
-72.5°	921.7	1072.7	1209.7	1334.0	1477.6	1604.3	1705.8	1820.2	1978.6	2097.8	2149.7
-75°	765.6	862.9	957.4	1067.5	1168.4	1266.1	1348.8	1425.1	1501.6	1570.3	1634.1
-77.5°	616.3	697.5	779.8	846.2	908.6	964.5	1050.1	1117.5	1170.0	1211.9	1258.0
-80°	487.5	542.1	606.5	656.6	712.7	773.5	820.9	866.3	905.0	938.4	976.3
-82.5°	368.9	395.2	438.0	481.3	524.1	565.2	615.1	647.7	675.7	699.5	706.0
-85°	264.2	281.9	316.4	337.4	365.6	383.2	422.2	447.2	472.0	489.4	505.9
-87.5°	136.5	147.8	171.0	182.6	204.8	219.3	230.5	241.3	251.6	261.4	288.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902115 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-VWB

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°	113.3	118.1	106.2	108.8	104.9	101.0	101.4	104.3	106.8	108.9	110.6
85°	299.2	312.5	332.8	334.4	349.0	361.9	357.8	369.4	380.0	389.0	388.1
82.5°	677.8	732.4	784.4	809.7	838.4	857.4	878.2	892.4	889.4	895.7	905.0
80°	1313.4	1449.5	1543.1	1585.9	1617.4	1635.4	1635.1	1599.7	1590.2	1628.6	1660.6
77.5°	2626.9	2761.0	2849.4	2872.7	2879.9	2904.2	2929.3	2883.8	2789.5	2709.7	2709.6
75°	5175.2	5294.3	5329.4	5333.8	5227.0	5115.3	5102.7	5184.1	5267.4	5320.5	5357.2
72.5°	10884.7	10566.7	10142.8	9763.9	9337.3	9032.9	8821.6	8692.3	8644.1	8536.5	8410.7
70°	24874.3	25585.9	23722.9	20579.5	18585.9	19098.1	18146.1	16840.1	15830.7	14947.0	14016.2
67.5°	57899.0	56983.1	56552.2	55645.4	52193.6	49376.4	47775.5	46376.8	44191.2	40748.7	37583.5
65°	84874.6	84804.9	85291.1	86499.7	84167.3	82548.0	81751.3	81925.1	81414.4	78262.9	74975.5
62.5°	94522.7	94254.4	95186.6	95738.4	94272.8	93557.3	93580.3	93811.7	91626.5	89416.7	87540.5
60°	89765.2	89544.7	89182.5	89022.4	87817.0	86790.8	87059.1	86392.6	84322.8	82970.2	81990.1
57.5°	79963.4	79186.2	78008.2	77034.2	75874.2	74978.2	74454.6	73076.2	71572.9	70636.3	69755.8
55°	71544.6	70602.2	69285.3	67783.2	66609.0	65528.0	64437.2	62977.0	61982.7	61182.9	60513.5
52.5°	65322.8	63590.4	61887.5	60352.5	58677.8	58158.7	56227.1	54263.2	53290.2	53024.8	52593.1
50°	59767.6	57913.9	55987.7	54439.0	53404.4	51832.2	50243.7	48905.3	48042.0	47592.2	47213.1
47.5°	57074.3	55232.4	53225.4	51912.5	50987.5	49243.0	47492.7	46505.1	45709.9	45049.9	44691.3
45°	54369.2	52419.7	50485.5	49448.7	48247.4	46528.8	45053.1	44019.2	43249.3	42598.9	42277.7
42.5°	52951.6	50930.1	49221.4	48373.0	46885.0	45314.3	43952.6	42936.1	42186.9	41513.7	41269.9
40°	52725.3	50933.0	49510.1	48513.2	46876.1	45340.6	44316.4	43256.8	42484.9	41833.6	41467.2
37.5°	51329.6	49805.3	48579.4	47649.3	45961.6	44532.2	43683.7	42676.3	42111.5	41294.0	40903.8
35°	47692.8	46291.5	45624.0	44546.8	42781.4	41924.3	41076.1	40181.8	39474.5	38948.0	38569.8
32.5°	43705.6	42783.3	42357.1	41184.8	39852.1	39077.4	38223.2	37487.5	36838.1	36378.3	36019.4
30°	41142.7	40443.7	40090.1	38919.0	37858.6	37111.4	36386.9	35722.8	35128.8	34687.6	34346.8
27.5°	39111.2	38525.9	38361.5	37193.0	36362.7	35680.8	35067.2	34421.5	33868.7	33414.7	33097.4
25°	37183.6	36889.0	36840.0	35742.8	34978.1	34362.9	33788.2	33184.8	32663.3	32247.5	31911.0
22.5°	35608.3	35539.7	35369.9	34352.7	33663.8	33106.2	32585.2	32018.2	31571.5	31144.9	30823.7
20°	34227.0	34242.9	34055.5	32975.8	32439.9	31937.2	31469.0	30979.6	30514.2	30135.1	29801.4
17.5°	33015.3	33141.9	32740.7	31772.1	31248.7	30805.8	30375.3	29950.4	29515.6	29158.7	28870.1
15°	31962.1	32047.9	31578.4	30675.6	30181.0	29761.1	29358.3	28974.9	28551.4	28222.5	27925.8
12.5°	31159.8	31237.8	30573.5	29680.2	29211.9	28787.8	28399.8	28026.9	27645.0	27314.6	27072.9
10°	30470.7	30580.1	29869.6	28958.2	28444.5	28007.5	27608.0	27244.4	26895.0	26615.6	26387.5
7.5°	30060.2	30021.9	29324.4	28456.1	27918.3	27460.2	27062.6	26698.1	26361.6	26078.8	25825.9
5°	29888.0	29765.0	29014.3	28153.9	27627.9	27165.2	26752.9	26354.1	26016.3	25747.5	25500.1
2.5°	29801.8	29658.5	28913.9	28082.5	27550.0	27077.2	26657.8	26258.7	25926.9	25653.7	25433.3
0°	29761.8	29602.5	28960.8	28055.2	27550.1	27085.9	26667.3	26289.5	25984.6	25748.0	25538.7
-2.5°	29712.8	29474.2	28929.1	28048.2	27582.2	27115.4	26709.3	26331.9	26041.3	25817.0	25616.5
-5°	29542.6	29225.7	28789.7	27933.8	27472.3	27054.8	26679.2	26334.8	26062.7	25826.1	25643.3
-7.5°	29121.5	28738.4	28425.6	27683.6	27224.7	26853.4	26514.9	26216.8	25960.1	25720.8	25552.1
-10°	28472.1	27992.1	27874.2	27130.5	26728.5	26409.9	26137.1	25864.9	25614.4	25377.3	25217.9
-12.5°	27536.2	27025.3	26964.1	26225.0	25904.6	25668.5	25371.2	25157.3	24906.0	24709.6	24527.8
-15°	26278.8	25733.6	25590.0	25115.8	24709.9	24507.7	24305.6	24097.8	23879.4	23666.8	23524.1
-17.5°	25026.5	24434.5	24326.8	23844.9	23488.7	23257.7	23074.5	22918.7	22733.1	22556.5	22352.2
-20°	24037.0	23534.3	23305.0	23136.9	22659.3	22471.1	22254.0	22060.6	21892.4	21743.9	21631.7



REPORT NUMBER: P902115 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-VWB

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	22565.9	22184.3	22000.4	21933.9	21608.3	21437.6	21273.0	21113.6	20995.8	20874.8	20781.9
-25°	20236.9	20018.7	19891.0	20021.0	19809.8	19639.5	19495.1	19537.6	19500.6	19376.1	19429.7
-27.5°	18579.6	18412.8	18280.6	18432.2	18344.4	18229.0	18183.9	18138.4	18166.7	18084.2	18118.1
-30°	17751.7	17692.2	17645.8	17766.9	17876.3	17716.3	17719.7	17732.7	17733.5	17710.1	17726.7
-32.5°	16998.4	17046.7	17084.6	17208.4	17459.9	17376.8	17389.8	17447.1	17468.0	17486.2	17525.3
-35°	16230.8	16412.8	16519.9	16661.8	16970.7	17042.5	17053.9	17175.3	17229.7	17308.6	17369.8
-37.5°	15646.5	15902.1	16089.9	16277.0	16585.2	16813.4	16878.8	17002.5	17134.3	17233.7	17315.6
-40°	15133.5	15453.5	15742.0	15982.7	16286.2	16652.6	16729.3	16911.5	17064.9	17209.7	17317.5
-42.5°	14999.7	15343.9	15647.0	15898.4	16138.8	16557.2	16755.1	16873.8	17061.6	17227.3	17339.3
-45°	15007.3	15399.4	16047.6	16196.9	16721.5	16858.8	17180.0	17388.2	17288.6	17386.3	17634.6
-47.5°	14604.6	15127.4	15573.5	16055.2	16402.2	16717.2	17041.9	17157.7	17234.6	17317.9	17414.3
-50°	14694.4	15320.0	15692.3	16151.0	16504.9	16628.6	16885.6	16938.6	16846.5	16882.0	16897.3
-52.5°	16172.9	17015.4	17348.2	17902.8	18019.6	18149.7	18271.9	18139.7	17937.8	17899.8	17774.1
-55°	17782.5	18180.1	19263.6	19278.0	19542.1	20141.4	19382.8	19222.2	19329.0	19301.1	18742.0
-57.5°	15647.3	16913.5	16949.2	17173.8	17439.4	16733.7	16447.4	16617.0	16435.8	15884.3	15320.7
-60°	15884.8	16499.6	17103.2	17450.7	17264.9	17005.5	16851.7	16486.0	16302.2	16111.8	15874.8
-62.5°	14205.5	15051.9	15994.8	16647.3	16710.7	16813.8	16976.6	17076.3	16533.1	15998.2	15619.0
-65°	9637.8	10630.1	11422.3	11972.4	12362.2	12737.3	12925.8	12545.7	11573.3	10692.1	10143.0
-67.5°	5448.1	6053.7	6457.7	6615.4	6886.5	7010.5	6773.9	6139.5	5296.3	4741.3	4703.7
-70°	3404.4	3702.0	3827.9	3981.3	4121.2	4017.1	3734.9	3502.7	3440.6	3469.2	3511.1
-72.5°	2282.1	2486.4	2568.3	2519.9	2478.9	2530.0	2615.0	2648.8	2704.5	2774.8	2819.6
-75°	1714.8	1803.3	1864.5	1900.3	1931.9	1971.7	2031.9	2085.6	2150.6	2220.7	2269.7
-77.5°	1320.8	1387.8	1440.1	1477.9	1504.8	1528.9	1571.6	1605.7	1642.3	1681.9	1724.6
-80°	1024.2	1062.3	1085.3	1116.1	1146.2	1166.7	1186.0	1214.9	1244.3	1282.6	1302.1
-82.5°	729.9	746.8	763.9	786.2	807.3	826.6	852.1	859.4	880.4	896.2	904.7
-85°	519.1	542.4	569.4	591.4	598.1	603.7	591.9	599.9	616.0	626.2	630.2
-87.5°	296.5	303.9	328.7	337.1	343.3	348.9	347.6	366.1	371.1	375.8	378.1
-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: P902115 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-VWB

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°	112.0	106.1	96.7	95.6	96.7	106.1	112.0	110.6	108.9	106.8	104.3
85°	396.0	406.2	402.4	391.4	402.4	406.2	396.0	388.1	389.0	380.0	369.4
82.5°	916.0	924.0	946.4	932.9	946.4	924.0	916.0	905.0	895.7	889.4	892.4
80°	1666.0	1697.8	1793.6	1874.9	1793.6	1697.8	1666.0	1660.6	1628.6	1590.2	1599.7
77.5°	2759.4	2844.2	2942.3	2994.4	2942.3	2844.2	2759.4	2709.6	2709.7	2789.5	2883.8
75°	5350.6	5400.8	5486.7	5524.6	5486.7	5400.8	5350.6	5357.2	5320.5	5267.4	5184.1
72.5°	8272.1	8219.7	8157.8	8095.8	8157.8	8219.7	8272.1	8410.7	8536.5	8644.1	8692.3
70°	13258.7	12701.1	12341.0	12287.0	12341.0	12701.1	13258.7	14016.2	14947.0	15830.7	16840.1
67.5°	35569.3	34290.9	33676.6	33511.6	33676.6	34290.9	35569.3	37583.5	40748.7	44191.2	46376.8
65°	71918.8	69699.6	68470.5	68060.7	68470.5	69699.6	71918.8	74975.5	78262.9	81414.4	81925.1
62.5°	85604.4	84042.9	83111.0	82827.8	83111.0	84042.9	85604.4	87540.5	89416.7	91626.5	93811.7
60°	80810.9	79826.0	79276.1	79055.3	79276.1	79826.0	80810.9	81990.1	82970.2	84322.8	86392.6
57.5°	68933.6	68229.7	67881.4	67856.0	67881.4	68229.7	68933.6	69755.8	70636.3	71572.9	73076.2
55°	59932.4	59566.7	59383.4	59396.2	59383.4	59566.7	59932.4	60513.5	61182.9	61982.7	62977.0
52.5°	52046.3	51703.0	51589.7	51537.0	51589.7	51703.0	52046.3	52593.1	53024.8	53290.2	54263.2
50°	46865.6	46629.9	46545.8	46635.9	46545.8	46629.9	46865.6	47213.1	47592.2	48042.0	48905.3
47.5°	44570.2	44514.6	44600.4	44738.3	44600.4	44514.6	44570.2	44691.3	45049.9	45709.9	46505.1
45°	42185.4	42174.6	42260.5	42385.5	42260.5	42174.6	42185.4	42277.7	42598.9	43249.3	44019.2
42.5°	41188.3	41127.7	41192.8	41261.5	41192.8	41127.7	41188.3	41269.9	41513.7	42186.9	42936.1
40°	41307.4	41252.7	41277.6	41284.2	41277.6	41252.7	41307.4	41467.2	41833.6	42484.9	43256.8
37.5°	40862.9	40731.2	40676.7	40724.5	40676.7	40731.2	40862.9	40903.8	41294.0	42111.5	42676.3
35°	38398.0	38292.8	38271.1	38289.9	38271.1	38292.8	38398.0	38569.8	38948.0	39474.5	40181.8
32.5°	35852.5	35733.2	35646.7	35650.4	35646.7	35733.2	35852.5	36019.4	36378.3	36838.1	37487.5
30°	34126.0	33930.3	33810.6	33784.6	33810.6	33930.3	34126.0	34346.8	34687.6	35128.8	35722.8
27.5°	32829.3	32617.9	32502.9	32487.6	32502.9	32617.9	32829.3	33097.4	33414.7	33868.7	34421.5
25°	31628.5	31444.7	31320.8	31299.9	31320.8	31444.7	31628.5	31911.0	32247.5	32663.3	33184.8
22.5°	30540.3	30359.6	30219.3	30180.4	30219.3	30359.6	30540.3	30823.7	31144.9	31571.5	32018.2
20°	29543.8	29354.3	29214.0	29161.1	29214.0	29354.3	29543.8	29801.4	30135.1	30514.2	30979.6
17.5°	28595.0	28417.6	28293.5	28314.7	28293.5	28417.6	28595.0	28870.1	29158.7	29515.6	29950.4
15°	27694.3	27526.0	27415.9	27459.2	27415.9	27526.0	27694.3	27925.8	28222.5	28551.4	28974.9
12.5°	26899.7	26706.8	26613.6	26644.5	26613.6	26706.8	26899.7	27072.9	27314.6	27645.0	28026.9
10°	26188.3	26008.5	25920.3	25957.4	25920.3	26008.5	26188.3	26387.5	26615.6	26895.0	27244.4
7.5°	25628.7	25478.8	25398.6	25379.4	25398.6	25478.8	25628.7	25825.9	26078.8	26361.6	26698.1
5°	25313.5	25209.7	25120.5	25129.1	25120.5	25209.7	25313.5	25500.1	25747.5	26016.3	26354.1
2.5°	25257.4	25201.2	25119.4	25110.9	25119.4	25201.2	25257.4	25433.3	25653.7	25926.9	26258.7
0°	25379.4	25311.2	25242.9	25229.2	25242.9	25311.2	25379.4	25538.7	25748.0	25984.6	26289.5
-2.5°	25497.5	25410.9	25343.9	25370.3	25343.9	25410.9	25497.5	25616.5	25817.0	26041.3	26331.9
-5°	25526.1	25417.4	25335.4	25384.0	25335.4	25417.4	25526.1	25643.3	25826.1	26062.7	26334.8
-7.5°	25407.6	25275.4	25234.0	25247.4	25234.0	25275.4	25407.6	25552.1	25720.8	25960.1	26216.8
-10°	25060.2	24926.9	24869.7	24883.4	24869.7	24926.9	25060.2	25217.9	25377.3	25614.4	25864.9
-12.5°	24366.7	24261.3	24196.6	24191.7	24196.6	24261.3	24366.7	24527.8	24709.6	24906.0	25157.3
-15°	23363.9	23249.6	23203.1	23181.4	23203.1	23249.6	23363.9	23524.1	23666.8	23879.4	24097.8
-17.5°	22257.0	22118.1	22083.4	22089.2	22083.4	22118.1	22257.0	22352.2	22556.5	22733.1	22918.7
-20°	21508.5	21410.7	21390.7	21406.6	21390.7	21410.7	21508.5	21631.7	21743.9	21892.4	22060.6



REPORT NUMBER: P902115 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	20702.5	20648.9	20623.0	20610.2	20623.0	20648.9	20702.5	20781.9	20874.8	20995.8	21113.6
-25°	19400.6	19267.7	19276.3	19267.8	19276.3	19267.7	19400.6	19429.7	19376.1	19500.6	19537.6
-27.5°	18057.6	18001.3	18072.8	18061.9	18072.8	18001.3	18057.6	18118.1	18084.2	18166.7	18138.4
-30°	17706.1	17705.7	17731.3	17693.2	17731.3	17705.7	17706.1	17726.7	17710.1	17733.5	17732.7
-32.5°	17518.3	17533.4	17543.7	17552.1	17543.7	17533.4	17518.3	17525.3	17486.2	17468.0	17447.1
-35°	17364.3	17381.7	17406.7	17420.2	17406.7	17381.7	17364.3	17369.8	17308.6	17229.7	17175.3
-37.5°	17343.8	17365.6	17395.9	17383.8	17395.9	17365.6	17343.8	17315.6	17233.7	17134.3	17002.5
-40°	17352.5	17361.5	17394.1	17402.0	17394.1	17361.5	17352.5	17317.5	17209.7	17064.9	16911.5
-42.5°	17403.1	17431.2	17455.9	17483.9	17455.9	17431.2	17403.1	17339.3	17227.3	17061.6	16873.8
-45°	17799.7	17800.2	17744.4	17702.4	17744.4	17800.2	17799.7	17634.6	17386.3	17288.6	17388.2
-47.5°	17505.2	17541.8	17535.4	17524.9	17535.4	17541.8	17505.2	17414.3	17317.9	17234.6	17157.7
-50°	16885.0	16887.9	16869.2	16855.9	16869.2	16887.9	16885.0	16897.3	16882.0	16846.5	16938.6
-52.5°	17601.2	17445.5	17358.6	17338.3	17358.6	17445.5	17601.2	17774.1	17899.8	17937.8	18139.7
-55°	18344.8	18109.5	17967.3	17920.8	17967.3	18109.5	18344.8	18742.0	19301.1	19329.0	19222.2
-57.5°	15273.1	15307.7	15306.8	15308.6	15306.8	15307.7	15273.1	15320.7	15884.3	16435.8	16617.0
-60°	15738.5	15690.0	15701.9	15727.3	15701.9	15690.0	15738.5	15874.8	16111.8	16302.2	16486.0
-62.5°	15441.1	15341.4	15304.9	15285.9	15304.9	15341.4	15441.1	15619.0	15998.2	16533.1	17076.3
-65°	9876.0	9737.5	9693.2	9693.1	9693.2	9737.5	9876.0	10143.0	10692.1	11573.3	12545.7
-67.5°	4782.1	4850.2	4858.9	4851.1	4858.9	4850.2	4782.1	4703.7	4741.3	5296.3	6139.5
-70°	3551.7	3582.3	3598.4	3604.2	3598.4	3582.3	3551.7	3511.1	3469.2	3440.6	3502.7
-72.5°	2862.1	2908.1	2893.4	2885.2	2893.4	2908.1	2862.1	2819.6	2774.8	2704.5	2648.8
-75°	2300.4	2313.2	2311.7	2311.8	2311.7	2313.2	2300.4	2269.7	2220.7	2150.6	2085.6
-77.5°	1745.5	1759.3	1764.5	1765.7	1764.5	1759.3	1745.5	1724.6	1681.9	1642.3	1605.7
-80°	1313.9	1322.0	1314.6	1310.6	1314.6	1322.0	1313.9	1302.1	1282.6	1244.3	1214.9
-82.5°	911.1	909.0	901.6	901.1	901.6	909.0	911.1	904.7	896.2	880.4	859.4
-85°	633.2	635.4	630.4	618.9	630.4	635.4	633.2	630.2	626.2	616.0	599.9
-87.5°	380.0	381.3	382.0	377.8	382.0	381.3	380.0	378.1	375.8	371.1	366.1
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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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°	101.4	101.0	104.9	108.8	106.2	118.1	113.3	108.3	104.8	122.6	128.7
85°	357.8	361.9	349.0	334.4	332.8	312.5	299.2	288.9	293.2	302.0	299.6
82.5°	878.2	857.4	838.4	809.7	784.4	732.4	677.8	642.0	613.4	607.0	579.6
80°	1635.1	1635.4	1617.4	1585.9	1543.1	1449.5	1313.4	1185.0	1145.7	1126.8	1113.9
77.5°	2929.3	2904.2	2879.9	2872.7	2849.4	2761.0	2626.9	2506.6	2498.8	2480.6	2427.8
75°	5102.7	5115.3	5227.0	5333.8	5329.4	5294.3	5175.2	5092.6	5330.6	5531.6	5583.2
72.5°	8821.6	9032.9	9337.3	9763.9	10142.8	10566.7	10884.7	11003.2	11899.4	12740.7	12724.2
70°	18146.1	19098.1	18585.9	20579.5	23722.9	25585.9	24874.3	26077.5	28730.5	28715.5	27653.7
67.5°	47775.5	49376.4	52193.6	55645.4	56552.2	56983.1	57899.0	57572.6	55419.1	53796.3	51818.6
65°	81751.3	82548.0	84167.3	86499.7	85291.1	84804.9	84874.6	82024.7	78438.3	75752.3	70373.0
62.5°	93580.3	93557.3	94272.8	95738.4	95186.6	94254.4	94522.7	92179.7	89199.7	87087.0	80853.9
60°	87059.1	86790.8	87817.0	89022.4	89182.5	89544.7	89765.2	88828.9	88307.3	86076.6	82797.9
57.5°	74454.6	74978.2	75874.2	77034.2	78008.2	79186.2	79963.4	80653.3	80977.0	80589.9	78862.8
55°	64437.2	65528.0	66609.0	67783.2	69285.3	70602.2	71544.6	73325.5	74190.7	74805.3	73943.9
52.5°	56227.1	58158.7	58677.8	60352.5	61887.5	63590.4	65322.8	66993.7	68519.9	69487.2	69282.1
50°	50243.7	51832.2	53404.4	54439.0	55987.7	57913.9	59767.6	61756.7	63974.4	64639.4	65370.0
47.5°	47492.7	49243.0	50987.5	51912.5	53225.4	55232.4	57074.3	58922.5	60700.7	62195.0	62225.3
45°	45053.1	46528.8	48247.4	49448.7	50485.5	52419.7	54369.2	56068.0	57724.3	59146.4	59422.6
42.5°	43952.6	45314.3	46885.0	48373.0	49221.4	50930.1	52951.6	54557.9	55958.9	57346.5	57984.6
40°	44316.4	45340.6	46876.1	48513.2	49510.1	50933.0	52725.3	54459.7	55825.4	56676.5	57396.9
37.5°	43683.7	44532.2	45961.6	47649.3	48579.4	49805.3	51329.6	52840.0	54076.2	54952.0	55776.6
35°	41076.1	41924.3	42781.4	44546.8	45624.0	46291.5	47692.8	49060.4	50141.3	50839.9	51379.7
32.5°	38223.2	39077.4	39852.1	41184.8	42357.1	42783.3	43705.6	44737.4	45619.1	46207.6	46621.1
30°	36386.9	37111.4	37858.6	38919.0	40090.1	40443.7	41142.7	41958.0	42620.3	43027.7	43318.5
27.5°	35067.2	35680.8	36362.7	37193.0	38361.5	38525.9	39111.2	39863.9	40447.6	40788.0	40969.8
25°	33788.2	34362.9	34978.1	35742.8	36840.0	36889.0	37183.6	37905.3	38548.3	38981.8	39216.1
22.5°	32585.2	33106.2	33663.8	34352.7	35369.9	35539.7	35608.3	36163.9	36769.5	37215.7	37555.3
20°	31469.0	31937.2	32439.9	32975.8	34055.5	34242.9	34227.0	34667.7	35263.3	35742.6	36160.3
17.5°	30375.3	30805.8	31248.7	31772.1	32740.7	33141.9	33015.3	33447.1	34020.7	34577.5	35081.5
15°	29358.3	29761.1	30181.0	30675.6	31578.4	32047.9	31962.1	32401.2	33004.2	33675.5	34246.5
12.5°	28399.8	28787.8	29211.9	29680.2	30573.5	31237.8	31159.8	31603.0	32258.0	33023.0	33705.5
10°	27608.0	28007.5	28444.5	28958.2	29869.6	30580.1	30470.7	31008.5	31740.8	32580.2	33446.6
7.5°	27062.6	27460.2	27918.3	28456.1	29324.4	30021.9	30060.2	30638.9	31455.8	32387.8	33364.9
5°	26752.9	27165.2	27627.9	28153.9	29014.3	29765.0	29888.0	30520.6	31384.6	32357.6	33363.3
2.5°	26657.8	27077.2	27550.0	28082.5	28913.9	29658.5	29801.8	30518.7	31414.0	32404.5	33450.7
0°	26667.3	27085.9	27550.1	28055.2	28960.8	29602.5	29761.8	30549.0	31472.8	32487.7	33548.0
-2.5°	26709.3	27115.4	27582.2	28048.2	28929.1	29474.2	29712.8	30497.8	31413.5	32444.9	33540.8
-5°	26679.2	27054.8	27472.3	27933.8	28789.7	29225.7	29542.6	30285.6	31214.3	32256.2	33327.4
-7.5°	26514.9	26853.4	27224.7	27683.6	28425.6	28738.4	29121.5	29882.9	30814.0	31823.6	32848.5
-10°	26137.1	26409.9	26728.5	27130.5	27874.2	27992.1	28472.1	29246.9	30133.1	31047.0	32009.9
-12.5°	25371.2	25668.5	25904.6	26225.0	26964.1	27025.3	27536.2	28267.0	29093.0	29930.6	30755.9
-15°	24305.6	24507.7	24709.9	25115.8	25590.0	25733.6	26278.8	26971.9	27746.2	28511.5	29236.5
-17.5°	23074.5	23257.7	23488.7	23844.9	24326.8	24434.5	25026.5	25700.0	26403.6	27131.0	27789.7
-20°	22254.0	22471.1	22659.3	23136.9	23305.0	23534.3	24037.0	24654.7	25291.5	25887.5	26386.0



REPORT NUMBER: P902115 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	21273.0	21437.6	21608.3	21933.9	22000.4	22184.3	22565.9	22975.5	23409.1	23866.5	24191.6
-25°	19495.1	19639.5	19809.8	20021.0	19891.0	20018.7	20236.9	20466.0	20776.0	20932.7	21201.1
-27.5°	18183.9	18229.0	18344.4	18432.2	18280.6	18412.8	18579.6	18718.9	18918.1	19046.3	19150.5
-30°	17719.7	17716.3	17876.3	17766.9	17645.8	17692.2	17751.7	17795.9	17855.5	17870.2	17927.2
-32.5°	17389.8	17376.8	17459.9	17208.4	17084.6	17046.7	16998.4	16927.9	16873.4	16828.7	16701.5
-35°	17053.9	17042.5	16970.7	16661.8	16519.9	16412.8	16230.8	16099.0	15950.6	15817.4	15582.6
-37.5°	16878.8	16813.4	16585.2	16277.0	16089.9	15902.1	15646.5	15389.8	15182.1	14990.9	14732.8
-40°	16729.3	16652.6	16286.2	15982.7	15742.0	15453.5	15133.5	14791.8	14561.9	14294.6	14080.7
-42.5°	16755.1	16557.2	16138.8	15898.4	15647.0	15343.9	14999.7	14613.1	14351.7	13959.0	13687.1
-45°	17180.0	16858.8	16721.5	16196.9	16047.6	15399.4	15007.3	14476.1	13942.5	13519.3	13123.8
-47.5°	17041.9	16717.2	16402.2	16055.2	15573.5	15127.4	14604.6	14030.4	13483.6	12987.1	12708.2
-50°	16885.6	16628.6	16504.9	16151.0	15692.3	15320.0	14694.4	14117.1	13546.5	12942.2	12764.8
-52.5°	18271.9	18149.7	18019.6	17902.8	17348.2	17015.4	16172.9	15546.4	14715.5	14147.4	13484.3
-55°	19382.8	20141.4	19542.1	19278.0	19263.6	18180.1	17782.5	16320.9	15682.3	14357.0	13752.3
-57.5°	16447.4	16733.7	17439.4	17173.8	16949.2	16913.5	15647.3	15308.9	14114.3	13294.7	12331.5
-60°	16851.7	17005.5	17264.9	17450.7	17103.2	16499.6	15884.8	14637.1	13581.7	12445.9	11445.9
-62.5°	16976.6	16813.8	16710.7	16647.3	15994.8	15051.9	14205.5	12895.5	11611.2	10696.6	9279.8
-65°	12925.8	12737.3	12362.2	11972.4	11422.3	10630.1	9637.8	8904.6	8024.0	6944.4	6128.1
-67.5°	6773.9	7010.5	6886.5	6615.4	6457.7	6053.7	5448.1	5066.5	4712.5	4091.2	3485.4
-70°	3734.9	4017.1	4121.2	3981.3	3827.9	3702.0	3404.4	3043.1	2893.7	2706.5	2358.5
-72.5°	2615.0	2530.0	2478.9	2519.9	2568.3	2486.4	2282.1	2149.7	2097.8	1978.6	1820.2
-75°	2031.9	1971.7	1931.9	1900.3	1864.5	1803.3	1714.8	1634.1	1570.3	1501.6	1425.1
-77.5°	1571.6	1528.9	1504.8	1477.9	1440.1	1387.8	1320.8	1258.0	1211.9	1170.0	1117.5
-80°	1186.0	1166.7	1146.2	1116.1	1085.3	1062.3	1024.2	976.3	938.4	905.0	866.3
-82.5°	852.1	826.6	807.3	786.2	763.9	746.8	729.9	706.0	699.5	675.7	647.7
-85°	591.9	603.7	598.1	591.4	569.4	542.4	519.1	505.9	489.4	472.0	447.2
-87.5°	347.6	348.9	343.3	337.1	328.7	303.9	296.5	288.7	261.4	251.6	241.3
-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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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-VWB

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	122.9	117.1	124.6	117.5	119.8	113.7	105.1	101.0	95.8	93.3	82.1
85°	293.5	278.5	273.4	266.8	259.5	240.9	218.5	204.0	191.9	186.5	164.0
82.5°	571.3	551.5	515.1	479.6	421.2	388.2	354.4	323.6	295.8	279.1	243.4
80°	1110.7	1056.5	922.9	858.4	781.3	664.3	552.9	463.2	400.2	370.4	317.9
77.5°	2313.1	1965.3	1884.1	1683.0	1372.0	1041.3	805.9	684.5	579.4	485.4	391.8
75°	5015.1	5070.8	5051.6	4139.2	2168.3	1778.3	1426.4	1003.3	776.3	660.0	517.0
72.5°	12639.8	12927.5	11891.9	9184.9	7024.1	4134.2	2141.6	1563.1	1105.9	833.8	668.4
70°	28208.4	26100.2	23478.9	21111.8	14900.2	7548.1	4131.1	2250.1	1487.3	1121.0	815.0
67.5°	47554.1	42827.9	38286.1	33593.2	26300.1	14909.8	6299.6	3203.9	1992.5	1415.2	1042.4
65°	64510.7	57263.9	50162.8	45284.8	36976.7	22368.1	10528.4	4517.1	2617.1	1776.4	1275.3
62.5°	75233.0	66278.3	58503.3	51815.4	45069.3	32191.2	15572.4	6678.2	3364.2	2225.1	1499.0
60°	77545.6	69949.3	62283.4	55587.2	49532.1	39475.5	23827.1	9623.2	4684.7	2632.4	1788.3
57.5°	74985.0	69659.1	62670.0	56790.4	51718.1	44319.6	30493.9	15503.2	5865.5	3432.4	2050.9
55°	71318.2	67205.4	61842.0	56526.3	52493.4	47098.3	36018.1	20408.3	9443.6	4320.0	2310.9
52.5°	67451.2	64169.1	60023.0	55759.0	52133.3	48835.8	40795.5	26365.0	13072.7	5241.0	3057.2
50°	63934.5	61241.7	57893.1	54187.0	51531.8	49431.0	44346.8	32734.6	17188.9	8409.7	3849.8
47.5°	61163.9	59095.5	56040.4	52633.0	50278.7	49344.5	47631.4	37760.8	23572.0	11447.8	4627.0
45°	58675.0	56872.7	54149.2	51304.0	49254.7	48609.6	47750.5	42127.0	29693.8	14540.4	6368.9
42.5°	57132.7	55478.2	52969.9	50433.5	48616.8	47939.6	48420.0	45778.8	34745.9	19939.4	8969.6
40°	56903.2	55125.1	52729.2	50168.2	48308.8	47721.8	48500.9	47340.9	39290.3	25166.6	11456.2
37.5°	55377.8	53717.7	51583.9	49243.7	47627.9	47238.8	48309.0	48832.1	43853.2	30190.3	13829.3
35°	51413.2	50205.0	48586.4	46912.8	45770.1	45600.3	46883.6	49258.7	46547.7	34227.8	17061.4
32.5°	46907.3	46264.8	44903.5	43736.1	43106.5	43275.5	44760.9	47445.8	47048.5	37491.3	20716.4
30°	43456.3	43225.6	42388.5	41498.6	40839.0	41370.3	42830.6	45721.5	47378.4	40453.8	24147.4
27.5°	41207.7	41215.2	40610.8	40102.1	39735.3	39993.9	41696.5	44363.2	47756.8	43275.2	27415.1
25°	39354.2	39617.9	39263.1	39041.7	38852.3	39507.2	41024.7	43843.9	47387.8	45677.9	30504.7
22.5°	37838.5	38255.5	38186.6	38080.8	38348.3	39011.6	40730.7	43383.1	46869.7	46176.8	32888.4
20°	36487.1	37050.9	37339.7	37589.0	37926.8	38796.1	40472.4	43065.7	46464.0	46426.5	34555.1
17.5°	35494.1	36171.6	36759.8	37211.6	37878.7	38753.1	40394.6	42837.7	46038.8	46425.8	35975.3
15°	34827.1	35638.2	36408.8	37007.6	37887.4	38926.3	40451.6	42628.4	45564.8	46396.9	36956.9
12.5°	34407.3	35324.7	36280.5	37113.7	38028.0	39092.3	40528.0	42504.7	45220.8	46008.4	37418.9
10°	34247.5	35269.2	36428.4	37344.3	38293.6	39302.5	40648.5	42358.0	44574.7	45337.5	37602.8
7.5°	34281.3	35363.0	36734.6	37674.2	38618.6	39516.3	40654.0	42085.5	43961.5	44631.6	37463.1
5°	34405.7	35553.3	37078.4	38031.5	38948.1	39740.1	40694.0	41815.2	43210.6	43504.5	36793.9
2.5°	34552.4	35770.7	37405.1	38358.0	39228.4	39866.7	40527.3	41262.8	42224.5	42198.6	35886.7
0°	34676.6	35950.8	37661.8	38635.7	39473.1	39973.6	40369.6	40747.3	41275.1	40829.1	34772.1
-2.5°	34587.5	35894.4	37421.1	38365.6	39094.9	39478.6	39575.6	39616.4	39730.8	39025.0	33396.4
-5°	34328.2	35572.3	36857.6	37733.2	38411.4	38772.5	38716.2	38468.8	38167.4	37156.9	31893.6
-7.5°	33776.5	34929.6	35983.9	36743.4	37302.9	37492.5	37249.7	36884.0	36502.5	35316.2	30312.8
-10°	32858.5	33917.7	34799.1	35311.1	35697.6	35849.4	35664.5	35186.0	34763.1	33720.6	29175.4
-12.5°	31578.7	32509.2	33163.5	33605.1	33848.6	33852.5	33668.2	33482.1	33042.4	32144.2	28146.3
-15°	30043.6	30760.2	31378.7	31693.6	31781.8	31856.3	31689.1	31822.1	31666.5	30640.4	27158.0
-17.5°	28474.3	29125.9	29537.1	29852.9	29767.4	29870.9	29914.6	30054.8	30243.5	29160.6	26090.9
-20°	26958.1	27237.6	27603.0	27576.7	27681.2	27453.8	28005.3	27976.6	28318.8	27643.1	24989.6



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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°	24415.7	24682.7	24670.1	24773.1	24590.1	24677.3	25047.6	25688.7	26100.3	26051.7	24003.0
-25°	21454.7	21362.4	21464.8	21555.1	21354.7	21893.0	22127.6	23438.8	23932.2	24559.2	22821.0
-27.5°	19169.8	19181.8	19118.3	19047.3	19306.8	19468.3	20388.3	21517.5	22606.6	23239.8	21363.6
-30°	17796.4	17721.5	17565.2	17535.7	17698.5	18223.7	19131.9	20346.7	21508.8	22183.4	19886.1
-32.5°	16559.1	16420.3	16259.3	16331.8	16621.6	17222.9	18252.6	19461.7	20504.4	21279.5	18396.4
-35°	15417.9	15296.0	15199.8	15296.3	15604.7	16445.7	17542.1	18621.9	19715.5	20420.3	16796.3
-37.5°	14542.0	14421.3	14402.1	14595.9	15092.7	15894.8	16865.3	17919.0	18835.0	18997.5	14687.5
-40°	13922.4	13860.3	13938.5	14146.2	14752.0	15461.6	16255.4	17122.2	17769.3	16767.7	12159.8
-42.5°	13553.3	13509.8	13513.6	13760.8	14230.9	14815.0	15479.3	16247.3	16531.4	14513.6	9676.5
-45°	12991.7	12944.6	12963.0	13219.0	13479.5	13835.6	14362.2	14850.3	14686.9	12238.1	7244.6
-47.5°	12560.1	12444.5	12392.8	12527.3	12763.0	13038.8	13491.0	13470.7	12324.2	9649.8	5489.5
-50°	12468.0	12337.5	12334.7	12314.9	12532.7	12551.2	12195.3	11833.2	10107.9	7269.8	4397.0
-52.5°	13132.8	12664.5	12523.5	12342.1	11924.5	11644.1	10448.1	9176.6	7679.1	4972.0	3367.0
-55°	12775.1	12414.5	11895.2	11198.6	10720.2	9410.9	8238.3	6657.8	5418.0	3865.6	2456.4
-57.5°	11717.4	11091.3	10225.0	9302.6	8241.4	7105.7	5883.3	4784.3	3567.2	2861.7	2030.4
-60°	10547.9	9290.0	8195.5	7077.2	5999.0	4959.6	4013.0	2966.7	2561.2	2011.8	1554.5
-62.5°	8095.1	6873.0	5743.9	4954.9	3984.7	3377.5	2570.4	2051.3	1623.4	1518.7	1087.7
-65°	5050.7	4145.9	3724.5	2908.1	2697.1	2186.4	1861.2	1544.3	1259.2	1091.5	909.1
-67.5°	3132.8	2702.2	2412.9	2203.8	1884.8	1680.2	1432.0	1225.7	1017.7	855.6	742.9
-70°	2199.9	2036.7	1835.3	1695.9	1515.3	1323.6	1162.5	982.5	831.7	719.1	597.9
-72.5°	1705.8	1604.3	1477.6	1334.0	1209.7	1072.7	921.7	808.5	694.7	591.0	522.7
-75°	1348.8	1266.1	1168.4	1067.5	957.4	862.9	765.6	662.2	573.1	508.5	447.9
-77.5°	1050.1	964.5	908.6	846.2	779.8	697.5	616.3	545.5	480.1	425.1	377.1
-80°	820.9	773.5	712.7	656.6	606.5	542.1	487.5	438.7	387.5	346.5	312.2
-82.5°	615.1	565.2	524.1	481.3	438.0	395.2	368.9	337.8	299.2	269.5	246.6
-85°	422.2	383.2	365.6	337.4	316.4	281.9	264.2	237.8	208.7	186.7	168.4
-87.5°	230.5	219.3	204.8	182.6	171.0	147.8	136.5	120.1	104.4	93.4	84.2
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	70.6	59.1	47.4	36.5	25.8	12.9	0.0
85°	141.1	118.0	94.7	73.0	51.5	25.8	0.0
82.5°	211.4	176.8	141.9	109.4	77.1	38.6	0.0
80°	276.1	233.8	189.0	145.8	102.6	51.3	0.0
77.5°	339.7	287.0	234.2	182.0	127.9	64.0	0.0
75°	402.8	339.7	275.9	218.0	152.9	76.5	0.0
72.5°	507.0	391.8	316.7	247.5	177.7	88.9	0.0
70°	622.2	460.9	356.5	274.9	202.1	101.1	0.0
67.5°	733.5	547.3	394.9	301.7	226.1	113.1	0.0
65°	875.0	631.2	446.0	328.0	245.7	125.0	0.0
62.5°	1046.6	712.3	508.3	353.6	261.7	136.5	0.0
60°	1206.8	813.6	568.9	378.4	277.4	147.8	0.0
57.5°	1354.7	939.3	627.7	403.9	292.7	158.9	0.0
55°	1583.1	1059.8	684.6	446.2	307.5	169.6	0.0
52.5°	1814.1	1175.0	746.6	486.8	321.9	180.0	0.0
50°	2037.9	1285.9	834.3	525.5	335.9	190.1	0.0
47.5°	2316.6	1469.4	918.3	562.2	349.3	199.8	0.0
45°	2940.6	1648.6	999.5	597.0	362.3	209.1	0.0
42.5°	3525.8	1822.7	1077.4	629.7	374.6	218.0	0.0
40°	4072.7	1991.3	1151.8	661.0	386.4	226.5	0.0
37.5°	4578.1	2154.0	1222.7	690.9	397.6	234.6	0.0
35°	5883.1	2465.3	1326.7	736.3	414.3	240.5	0.0
32.5°	7551.5	2837.6	1440.0	786.4	431.9	245.5	0.0
30°	9042.9	3188.9	1545.3	834.2	448.4	250.1	0.0
27.5°	10397.7	3518.2	1660.0	879.5	463.7	254.4	0.0
25°	11591.2	3824.4	1773.4	922.0	477.7	258.4	0.0
22.5°	12614.3	4128.8	1883.3	961.8	490.6	262.0	0.0
20°	13847.6	4466.7	1988.9	998.5	502.1	265.2	0.0
17.5°	15667.7	4787.0	2089.3	1032.7	512.3	268.1	0.0
15°	17192.2	5263.4	2183.8	1063.9	521.2	270.6	0.0
12.5°	18395.8	5863.2	2304.7	1091.4	528.8	272.7	0.0
10°	19291.7	6430.3	2434.0	1115.2	535.0	274.5	0.0
7.5°	19919.6	6958.9	2558.2	1135.1	539.9	275.8	0.0
5°	20256.5	7389.2	2675.0	1150.9	543.3	276.8	0.0
2.5°	20322.2	7725.7	2781.8	1162.4	545.4	277.4	0.0
0°	20150.6	7972.9	2876.1	1169.5	546.1	277.6	0.0
-2.5°	19992.2	8282.9	2946.8	1163.5	545.2	277.4	0.0
-5°	19672.5	8508.7	3000.1	1153.1	543.0	276.8	0.0
-7.5°	19232.6	8650.7	3033.4	1138.3	539.4	275.8	0.0
-10°	18778.1	8709.3	3044.2	1119.2	534.4	274.5	0.0
-12.5°	18453.0	8616.0	3030.2	1096.1	528.1	272.7	0.0
-15°	18074.8	8331.3	2958.9	1068.9	520.5	270.6	0.0
-17.5°	17668.1	8027.2	2785.5	1038.0	511.5	268.1	0.0
-20°	17108.6	7703.8	2600.9	1002.4	501.2	265.2	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	16215.4	7273.6	2406.4	960.9	489.7	262.0	0.0
-25°	15120.9	6592.9	2203.6	916.6	476.9	258.4	0.0
-27.5°	13832.8	5799.3	1993.7	869.8	462.9	254.4	0.0
-30°	12306.0	4964.6	1778.4	820.6	447.8	250.1	0.0
-32.5°	10503.4	4091.7	1563.4	769.2	431.4	245.5	0.0
-35°	8601.8	3183.6	1348.0	715.8	413.9	240.5	0.0
-37.5°	6936.3	2480.8	1177.1	668.2	397.6	234.6	0.0
-40°	5791.8	2221.0	1103.3	638.6	386.4	226.5	0.0
-42.5°	4674.0	1962.1	1027.6	608.7	374.6	218.0	0.0
-45°	3601.3	1704.9	949.9	578.6	362.3	209.1	0.0
-47.5°	2569.2	1449.7	870.6	546.7	349.3	199.8	0.0
-50°	2184.2	1198.1	789.8	513.2	335.9	190.1	0.0
-52.5°	1894.3	1092.0	705.7	478.2	321.9	180.0	0.0
-55°	1593.8	983.8	648.2	441.6	307.5	169.6	0.0
-57.5°	1264.5	866.6	596.1	403.5	292.7	158.9	0.0
-60°	1080.1	740.3	542.4	379.4	277.4	147.8	0.0
-62.5°	899.8	642.6	487.2	355.9	261.7	136.5	0.0
-65°	723.3	573.0	430.7	331.8	245.7	125.0	0.0
-67.5°	601.2	503.4	384.9	307.3	226.1	113.1	0.0
-70°	526.8	433.8	351.7	282.4	202.1	101.1	0.0
-72.5°	453.9	378.5	318.0	257.0	177.7	88.9	0.0
-75°	387.5	335.9	283.8	229.0	152.9	76.5	0.0
-77.5°	335.9	292.7	249.2	191.5	127.9	64.0	0.0
-80°	283.8	249.2	204.4	153.6	102.6	51.3	0.0
-82.5°	229.0	191.5	153.6	115.5	77.1	38.6	0.0
-85°	152.9	127.9	102.6	77.1	51.5	25.8	0.0
-87.5°	76.5	64.0	51.3	38.6	25.8	12.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)