

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: P902102 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-A55-WB-LO**

Issue Date: 11/13/2024

Test Information

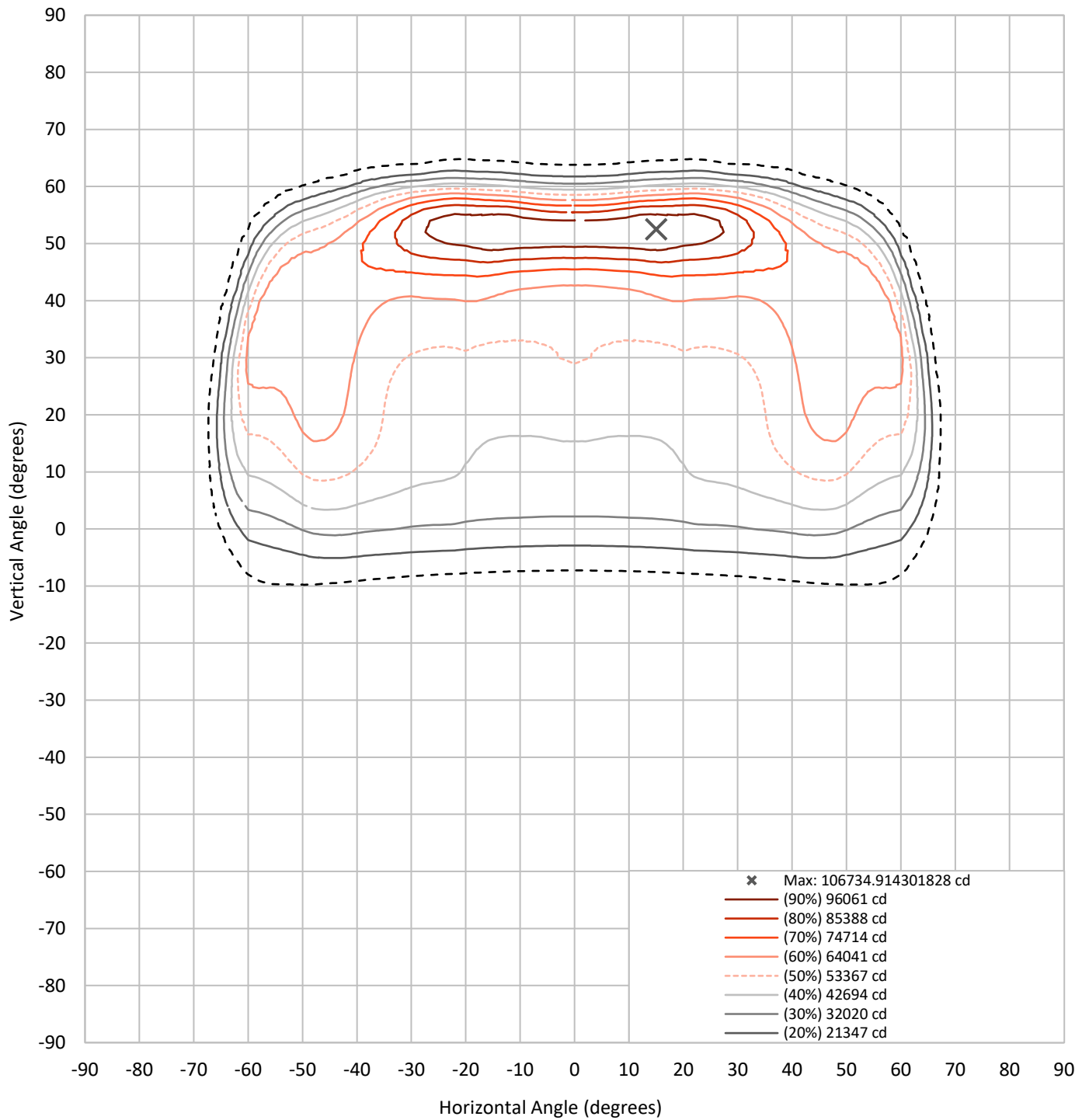
Test Method: LM-79-08
Report Number: P902102 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVA2202020)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A55-WB-LO
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A55-WB-LO OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	119809.2 lumens	Max Intensity:	106734.9 candela
Efficiency:	N/A	Max Intensity Angle:	15°H x 52.5°V
Efficacy:	84.8 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	96.1°H x 26.5°V	Field Angle (10%):	119.9°H x 71.8°V
Beam Lumens:	68674.8 lumens	Field Lumens:	114241.4 lumens
Beam Efficiency:	57.3%	Field Efficiency:	95.4%
Input Watts (W):	1413		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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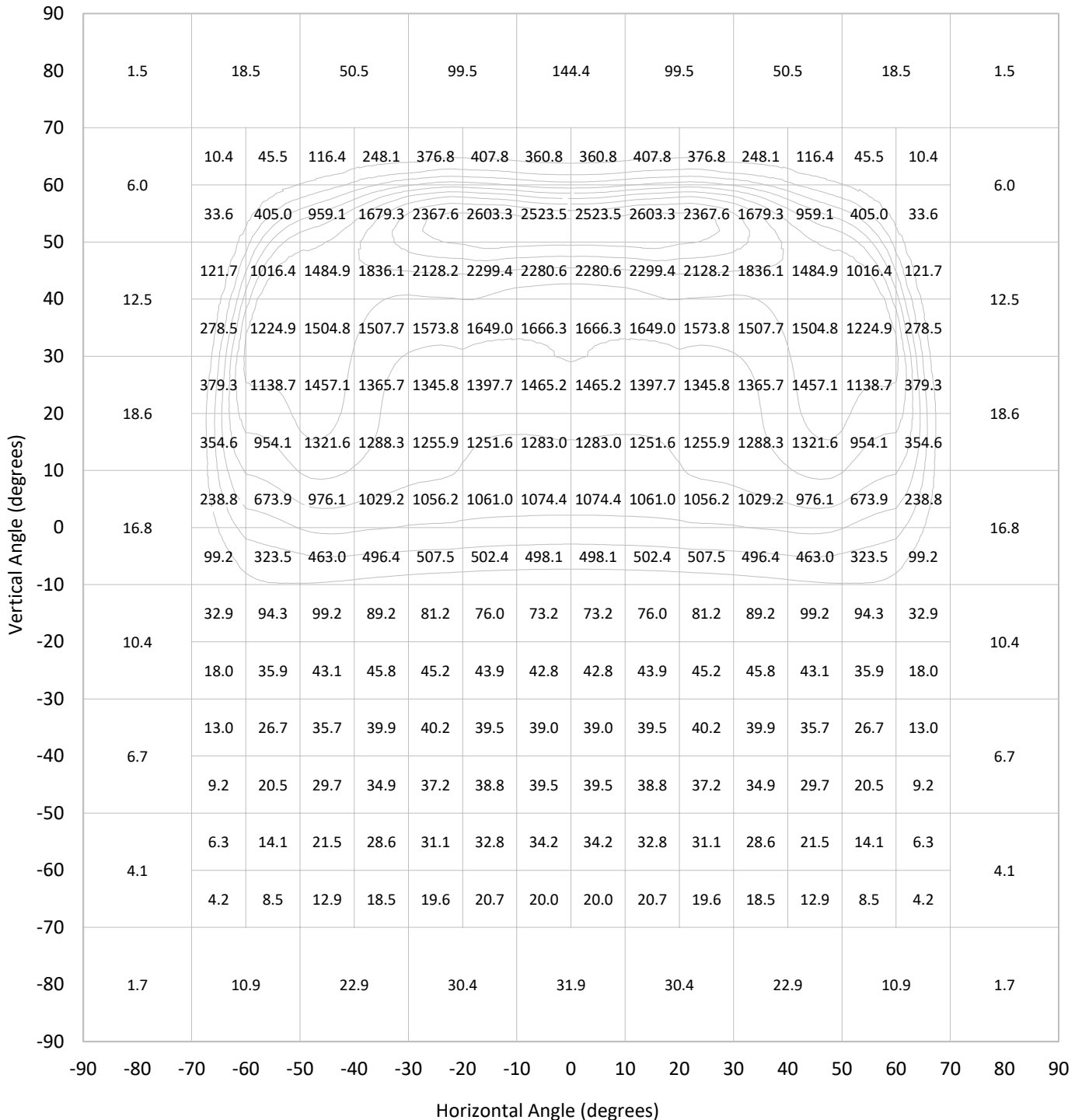
Iso-Candela Plot





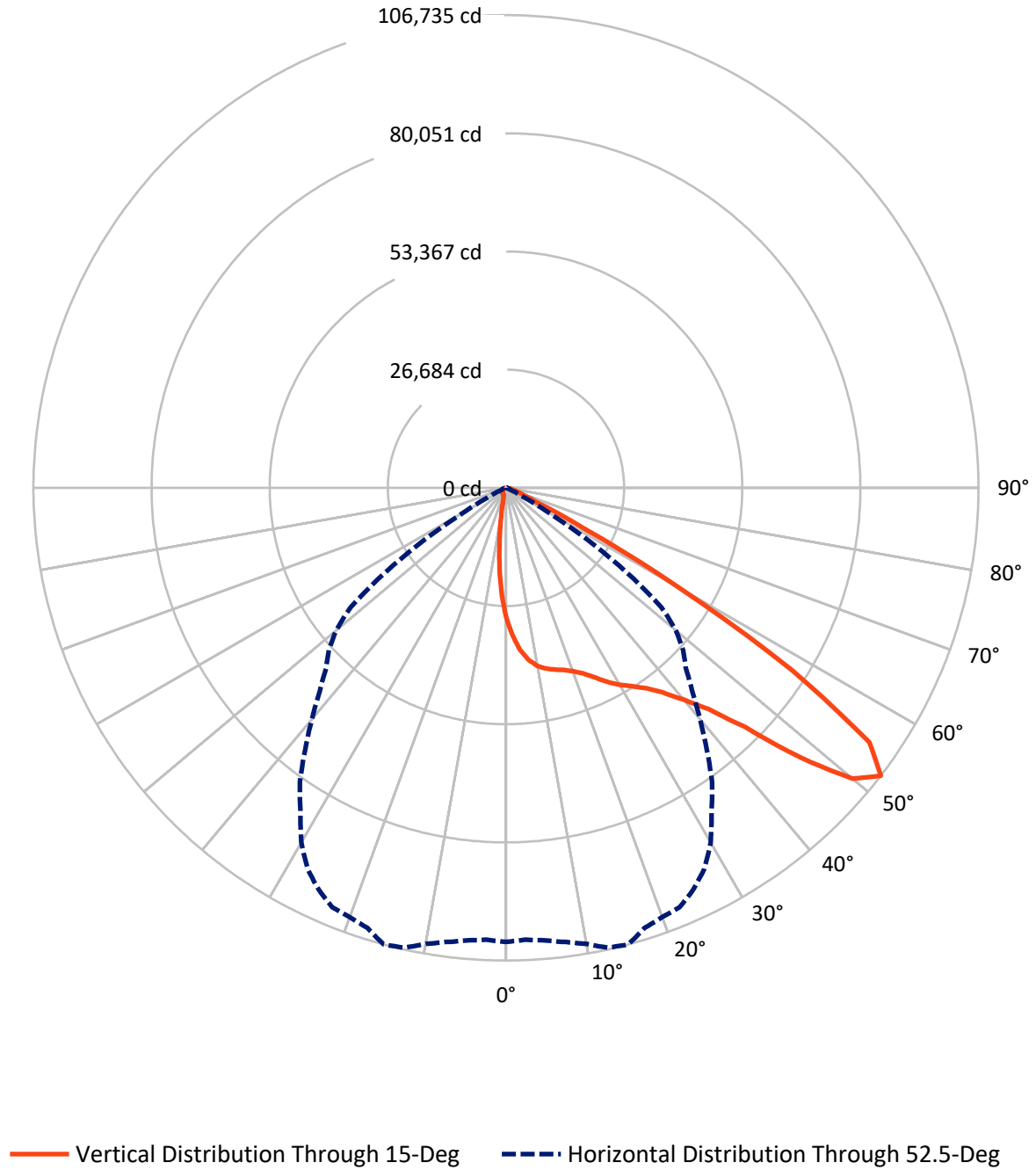
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Lumen Table



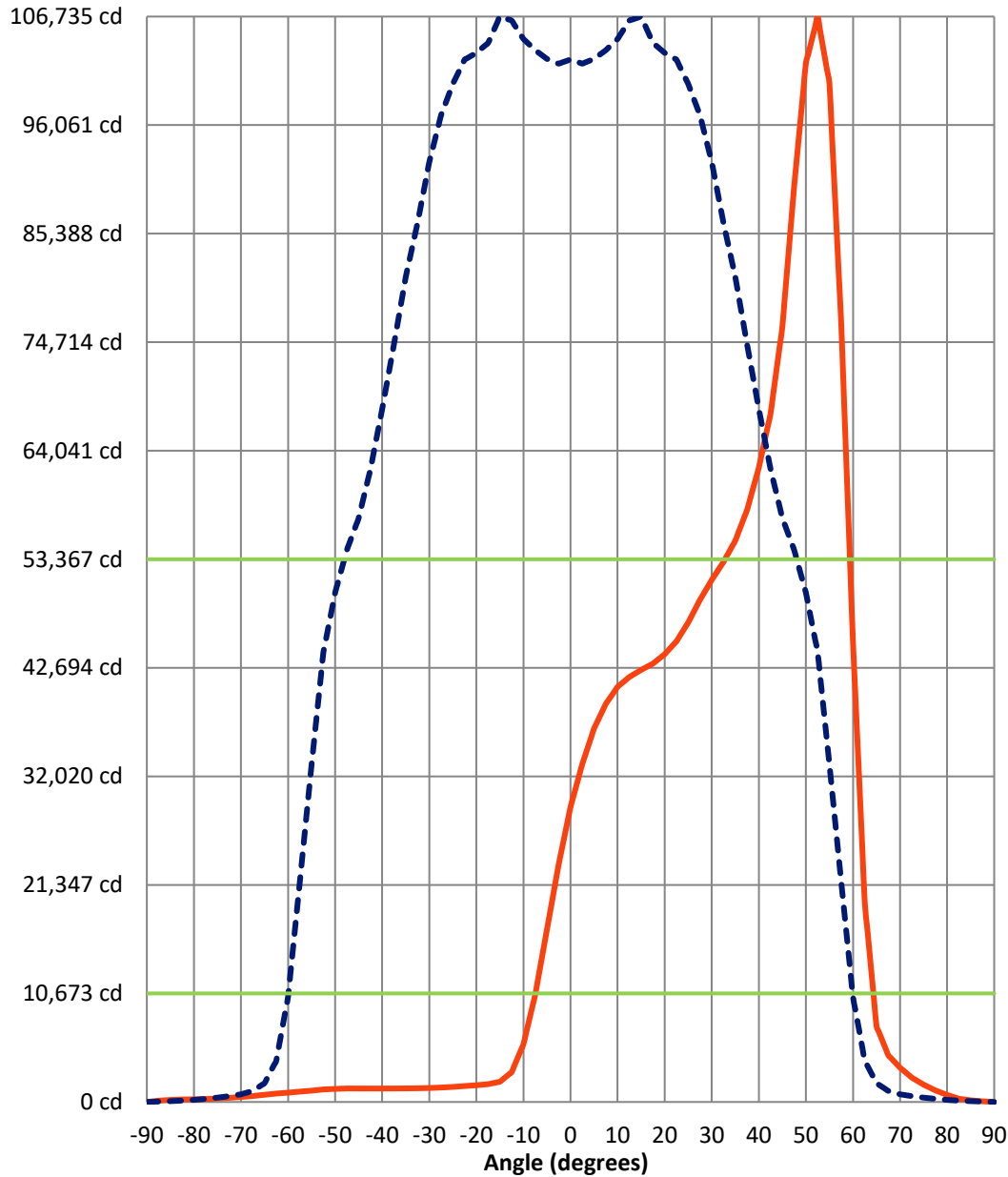
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 96.1°
 V Angle: 26.5°
 Lumens: 68674.8
 Efficiency: 57.3%

Field:
 H Angle: 119.9°
 V Angle: 71.8°
 Lumens: 114241.4
 Efficiency: 95.4%

Spill:
 Lumens: 5567.8
 Efficiency: 4.6%

— Vertical Distribution through 15-Deg
 - - - Horizontal Distribution through 52.5-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	3.0	5.9	8.9	11.5	14.3	16.5	19.2	21.0	24.4	27.9
85°	0.0	5.9	11.9	17.8	22.9	28.5	33.0	38.3	42.0	48.7	57.6
82.5°	0.0	8.9	17.8	26.7	34.3	42.7	49.5	59.9	70.3	85.8	103.6
80°	0.0	11.9	23.7	35.5	45.7	57.7	70.9	86.4	102.2	123.7	153.8
77.5°	0.0	14.8	29.5	44.2	57.6	74.7	92.7	112.7	139.2	177.8	222.5
75°	0.0	17.7	35.3	52.9	70.4	91.4	114.1	148.3	189.0	235.1	296.1
72.5°	0.0	20.5	41.0	61.5	83.0	107.9	144.4	188.9	237.6	301.3	384.3
70°	0.0	23.4	46.6	70.1	95.3	128.8	177.3	228.7	293.6	370.0	477.3
67.5°	0.0	26.2	52.2	78.5	107.2	154.4	209.4	274.2	349.0	446.3	585.4
65°	0.0	28.9	57.6	86.8	122.6	179.2	243.4	319.3	408.2	529.8	702.8
62.5°	0.0	31.6	62.8	94.8	140.9	203.2	279.7	362.8	473.2	613.4	849.4
60°	0.0	34.3	67.8	102.6	158.6	228.6	314.8	415.2	534.0	715.0	998.6
57.5°	0.0	36.9	72.8	110.6	175.5	255.9	348.5	465.8	609.9	809.9	1200.6
55°	0.0	39.4	77.5	122.3	191.7	282.1	389.8	514.8	685.0	956.1	1400.0
52.5°	0.0	41.8	82.0	133.5	208.1	307.1	429.5	573.9	755.7	1090.6	1848.7
50°	0.0	44.2	86.4	144.1	227.4	331.4	467.6	631.3	854.9	1243.1	2173.8
47.5°	0.0	46.5	90.6	154.1	245.8	361.8	505.6	685.4	939.8	1463.1	3052.3
45°	0.0	48.7	94.5	163.4	262.6	390.6	550.3	747.4	1024.8	1640.5	3792.7
42.5°	0.0	50.8	98.3	172.2	278.0	417.6	593.0	818.8	1166.7	1905.5	4612.5
40°	0.0	52.9	101.8	179.9	292.0	442.9	633.5	887.0	1288.1	2103.8	7042.4
37.5°	0.0	54.8	105.1	186.6	304.6	466.3	671.8	951.6	1388.4	2281.3	8703.0
35°	0.0	56.5	109.1	194.3	318.6	491.3	716.8	1031.2	1517.3	2899.6	10949.8
32.5°	0.0	58.1	113.1	201.8	332.2	515.1	762.9	1114.3	1651.8	3745.8	14629.8
30°	0.0	59.5	116.7	208.4	344.1	536.0	804.5	1186.3	1769.0	4303.6	17169.0
27.5°	0.0	60.8	120.0	214.1	353.7	554.1	835.3	1248.8	1870.0	4459.6	18835.8
25°	0.0	62.0	122.9	218.9	361.5	569.4	859.5	1301.9	1985.6	5432.4	22737.9
22.5°	0.0	63.2	125.4	222.9	367.6	581.2	878.7	1345.5	2180.4	6662.9	25403.7
20°	0.0	64.1	127.6	226.0	372.0	588.6	897.2	1390.3	2279.3	7179.3	27175.6
17.5°	0.0	65.0	129.3	228.5	374.7	593.1	914.7	1422.6	2344.5	7192.2	27879.9
15°	0.0	65.8	130.7	230.2	375.8	596.5	923.3	1439.7	2366.6	6878.5	27315.7
12.5°	0.0	66.5	131.8	231.1	375.0	598.7	925.0	1440.9	2364.7	6118.4	25483.8
10°	0.0	67.0	132.5	231.2	372.6	595.4	920.0	1430.7	2347.0	6318.8	23186.6
7.5°	0.0	67.4	132.8	230.6	368.7	587.2	904.9	1407.7	2306.3	6257.2	20462.2
5°	0.0	67.7	132.9	229.3	363.4	575.8	882.9	1364.3	2212.4	5770.1	17354.4
2.5°	0.0	67.9	132.6	227.2	356.9	561.5	855.9	1311.4	2088.1	5071.0	14147.9
0°	0.0	68.0	132.1	224.6	349.3	544.6	824.4	1250.4	1947.7	4133.8	10653.5
-2.5°	0.0	68.0	131.8	222.7	343.5	528.7	788.6	1164.5	1759.7	3451.6	8261.1
-5°	0.0	68.0	131.4	220.3	336.7	510.7	749.9	1074.1	1564.8	2741.5	5823.2
-7.5°	0.0	67.8	130.6	217.4	329.2	490.9	709.4	981.5	1383.9	2218.8	4428.2
-10°	0.0	67.4	129.6	214.0	320.9	469.5	670.7	912.0	1252.8	1834.9	3269.5
-12.5°	0.0	67.0	128.3	210.1	312.1	450.4	639.7	848.0	1122.9	1526.2	2541.6
-15°	0.0	66.5	126.8	205.7	303.5	434.8	608.0	785.7	1023.3	1400.7	2041.5
-17.5°	0.0	65.9	125.1	201.0	296.8	420.3	575.9	740.2	959.6	1277.2	1744.9
-20°	0.0	65.1	123.1	196.2	289.6	406.3	547.2	705.5	897.4	1179.7	1593.9



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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-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	64.3	121.0	191.9	281.7	391.7	524.5	669.6	843.5	1097.6	1453.6
-25°	0.0	63.3	118.6	187.0	273.4	376.7	501.5	635.5	794.2	1014.8	1341.9
-27.5°	0.0	62.3	116.0	181.8	264.6	361.0	477.7	604.6	751.5	949.7	1231.9
-30°	0.0	61.1	113.2	176.1	255.3	344.7	452.9	572.0	710.4	895.4	1147.6
-32.5°	0.0	59.9	110.5	170.1	245.2	327.8	427.1	537.8	669.9	837.1	1064.3
-35°	0.0	58.5	107.6	163.6	234.7	310.3	400.5	503.2	627.2	777.4	979.1
-37.5°	0.0	57.0	104.7	157.4	224.2	293.7	375.2	471.2	585.1	722.3	898.4
-40°	0.0	55.1	101.9	152.4	214.6	279.5	352.4	441.1	546.1	670.8	823.5
-42.5°	0.0	53.1	98.9	147.3	204.8	265.6	330.7	410.4	506.3	618.6	747.9
-45°	0.0	51.0	95.7	142.1	195.0	251.9	310.0	379.4	465.6	570.1	690.0
-47.5°	0.0	48.7	92.4	136.6	185.1	238.5	289.3	353.9	432.4	525.3	633.2
-50°	0.0	46.4	89.0	131.0	175.5	225.4	274.6	332.1	399.9	479.3	576.8
-52.5°	0.0	44.0	85.3	125.2	166.0	213.9	261.2	310.2	366.8	440.3	525.6
-55°	0.0	41.5	81.6	119.2	158.1	203.0	248.2	289.1	342.4	403.6	472.7
-57.5°	0.0	38.9	77.7	113.0	150.2	191.8	235.5	274.9	318.1	367.8	430.3
-60°	0.0	36.2	73.6	106.8	142.1	180.3	221.8	260.3	295.2	340.0	387.2
-62.5°	0.0	33.5	69.5	100.4	133.7	169.1	207.7	245.2	277.9	311.1	352.2
-65°	0.0	30.6	65.2	93.8	125.0	157.9	193.1	227.6	259.8	288.6	319.4
-67.5°	0.0	27.8	60.1	87.0	115.9	146.2	178.0	209.4	239.6	268.3	295.0
-70°	0.0	24.8	53.8	80.0	106.4	134.0	162.4	190.6	218.1	245.8	273.5
-72.5°	0.0	21.8	47.5	72.8	96.5	121.2	146.4	171.2	196.3	220.4	245.9
-75°	0.0	18.8	40.9	64.9	86.4	107.9	130.0	151.4	173.2	194.4	215.3
-77.5°	0.0	15.7	34.3	54.3	76.1	94.2	113.5	131.6	149.6	168.5	186.3
-80°	0.0	12.6	27.5	43.7	62.6	80.3	96.8	111.9	127.2	142.8	157.7
-82.5°	0.0	9.5	20.7	32.9	47.2	61.8	79.0	92.1	105.3	117.6	129.5
-85°	0.0	6.3	13.9	22.0	31.5	41.3	52.9	64.2	77.6	90.4	101.2
-87.5°	0.0	3.2	6.9	11.0	15.8	20.7	26.5	32.2	38.9	45.3	51.9
-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: P902102 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-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°	31.5	36.3	41.5	45.6	48.5	51.2	52.3	54.7	55.4	57.5	57.7
85°	69.0	83.6	98.6	111.0	119.2	125.6	131.3	135.6	138.6	140.9	143.1
82.5°	123.0	146.8	170.8	196.4	215.9	232.2	242.7	243.7	240.1	236.1	237.1
80°	193.3	233.5	272.3	309.3	340.4	366.4	381.6	391.7	404.0	415.3	426.3
77.5°	277.0	334.2	399.7	453.2	489.7	513.0	547.9	577.3	598.2	611.7	630.3
75°	380.9	471.1	551.9	626.4	682.0	721.0	759.0	803.0	838.2	863.2	886.3
72.5°	487.9	618.3	735.8	830.3	903.7	965.5	1023.3	1081.7	1159.3	1201.4	1216.4
70°	623.0	774.9	926.0	1048.6	1142.9	1246.0	1330.3	1433.7	1572.7	1663.3	1727.9
67.5°	763.0	971.1	1126.2	1378.8	1491.0	1616.6	1785.8	1913.5	2159.2	2389.6	2412.3
65°	948.7	1230.7	1689.4	1879.8	2224.6	2322.3	2869.4	3064.3	3485.7	4461.1	4841.7
62.5°	1169.1	1700.6	2599.4	3390.2	3968.6	4989.1	5640.2	7282.0	8023.1	10804.9	12543.2
60°	1459.3	2539.8	4279.6	6468.6	8029.7	11172.0	13095.5	16334.6	19570.8	24147.7	29391.9
57.5°	1964.4	3829.7	7650.1	11052.0	17558.4	21686.9	26293.8	30314.8	36199.1	42734.5	49735.8
55°	2786.4	6726.5	11999.9	21525.1	29855.3	36830.8	41147.6	46728.8	51744.4	59257.8	65841.9
52.5°	4069.9	10350.7	21656.2	33183.0	44199.6	50079.7	54288.0	57423.1	62219.6	68151.0	74516.2
50°	6151.9	16418.3	31355.2	46241.0	55421.9	60456.6	62381.2	63908.7	67941.5	72637.8	77446.7
47.5°	8322.4	22718.9	42418.6	56352.9	64148.3	66036.4	65819.4	67242.9	70161.6	73844.6	76627.9
45°	12600.5	31086.1	51926.5	65136.7	68926.7	68321.1	67464.8	68477.4	71121.6	73220.6	73749.2
42.5°	15966.3	39737.8	60249.9	69934.1	71509.9	69432.5	68621.7	70054.4	71547.4	71466.3	69592.1
40°	22402.9	47687.6	67487.8	74072.0	71975.8	70107.2	70098.8	71184.2	71458.0	68561.7	66220.0
37.5°	28151.2	55742.8	70966.5	73780.6	71912.5	70594.3	71033.8	71733.6	70017.1	66726.5	64085.6
35°	33617.3	62774.2	74081.2	73141.3	70798.1	70764.8	71697.3	71668.9	68939.4	65448.7	62627.1
32.5°	40344.0	65110.8	72676.5	71243.1	70114.6	70746.9	71922.3	71397.1	68039.6	64318.9	61239.9
30°	46353.3	66689.2	71487.3	68448.4	68737.6	70449.2	72195.4	70903.4	67035.0	63333.5	59576.7
27.5°	49757.8	66401.4	68457.3	66224.5	67573.8	69919.6	71804.6	70280.7	66345.4	62410.3	58341.3
25°	49778.7	63480.5	64847.8	63983.7	66155.3	69209.6	71446.8	69580.6	65689.0	61695.8	57245.3
22.5°	49343.7	61018.6	60928.2	61445.1	64389.0	68162.7	70330.1	68458.8	65051.6	60964.4	56736.2
20°	48466.4	58469.5	57792.1	59047.8	62562.9	66660.1	69035.0	67135.5	64257.4	60265.6	56121.4
17.5°	46747.1	54708.9	54828.9	56431.7	60186.4	64698.4	67255.5	65457.9	62953.2	59218.1	55551.4
15°	43897.1	51059.6	51665.3	53493.2	57269.0	61881.0	64106.6	63171.9	61107.7	57737.1	54462.0
12.5°	40658.7	47509.6	48372.9	50158.9	53958.5	58317.4	60470.4	60001.9	58523.0	55543.7	52825.4
10°	37223.4	43666.6	44621.1	46590.0	50124.5	54191.6	56379.1	56090.6	54859.6	52447.5	50228.3
7.5°	33169.6	39597.9	40723.2	42577.4	45792.5	49567.6	51768.6	51585.3	50624.3	48573.4	46827.5
5°	28774.7	35213.3	36152.3	37980.3	40916.9	44371.8	46398.0	46536.7	45815.0	44156.6	42778.6
2.5°	23949.4	30429.8	31425.2	33088.7	35613.6	38631.4	40653.3	40919.8	40500.4	39229.4	38196.0
0°	18870.2	25410.6	26564.6	27951.2	30030.7	32571.3	34535.4	34926.6	34798.8	33761.1	32937.9
-2.5°	14517.1	20219.2	21724.3	22854.7	24343.2	26169.6	27908.1	28448.9	28391.3	27662.3	26954.1
-5°	10228.7	15260.9	17194.8	18180.3	19100.3	20168.0	21340.3	21621.1	21572.9	20939.3	20244.6
-7.5°	7707.9	11283.0	13083.5	13942.4	14369.7	14788.2	15207.3	15034.9	14782.7	14243.3	13561.9
-10°	5398.5	8145.2	9814.1	10311.3	10218.1	10236.2	10126.5	9676.2	9271.9	8732.2	8151.0
-12.5°	4106.4	5851.0	6980.5	7411.9	7100.7	6675.7	6447.2	5909.0	5511.9	5069.8	4703.6
-15°	3001.7	4327.5	5080.7	5100.8	4899.8	4404.3	4138.7	3808.6	3500.6	3195.2	2974.4
-17.5°	2431.2	3173.7	3725.1	3713.8	3426.0	3196.7	2922.1	2773.5	2591.0	2447.3	2328.9
-20°	2034.3	2531.8	2769.0	2817.0	2642.4	2513.1	2387.2	2339.7	2237.4	2182.7	2116.3



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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WB-LO

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1837.4	2101.6	2297.0	2220.7	2255.8	2159.3	2147.4	2119.6	2089.5	2032.7	1978.5
-25°	1674.6	1891.3	1977.0	1997.5	1990.5	1985.5	1989.4	1991.4	1954.0	1940.1	1879.6
-27.5°	1551.8	1722.8	1820.7	1823.7	1830.2	1862.5	1875.0	1884.9	1879.6	1840.8	1798.9
-30°	1427.9	1600.2	1690.0	1723.0	1740.6	1772.1	1795.1	1789.6	1802.9	1770.7	1746.1
-32.5°	1307.7	1476.2	1586.1	1626.9	1671.4	1697.5	1717.4	1734.1	1731.4	1728.9	1688.6
-35°	1196.9	1361.1	1498.0	1541.5	1585.0	1629.0	1648.5	1665.0	1676.1	1671.5	1645.8
-37.5°	1094.0	1247.8	1383.1	1457.4	1498.2	1555.2	1597.4	1611.5	1617.9	1610.7	1588.5
-40°	993.4	1142.7	1265.4	1370.4	1438.0	1481.4	1521.1	1531.5	1537.7	1526.8	1526.1
-42.5°	901.3	1050.4	1173.9	1280.3	1376.0	1396.9	1449.3	1459.4	1466.2	1465.1	1466.0
-45°	825.6	960.6	1081.2	1181.4	1273.6	1320.3	1379.5	1395.5	1397.1	1405.8	1405.7
-47.5°	752.0	876.0	989.5	1084.6	1179.9	1250.0	1281.3	1316.8	1327.8	1346.0	1357.4
-50°	685.2	795.9	901.4	999.7	1085.1	1142.0	1177.9	1230.1	1238.1	1283.8	1281.8
-52.5°	619.5	717.1	814.7	901.7	978.7	1038.0	1086.4	1112.6	1144.6	1185.1	1190.8
-55°	557.7	645.5	733.7	809.6	875.0	934.0	969.9	1010.2	1025.6	1056.5	1098.8
-57.5°	496.8	574.9	654.1	717.1	777.0	825.9	855.4	878.4	900.0	954.6	1008.0
-60°	444.1	504.6	576.0	639.0	686.0	728.3	754.5	773.4	802.4	850.5	919.2
-62.5°	396.3	443.6	496.9	559.3	603.9	632.5	658.9	680.7	706.3	750.1	817.0
-65°	357.6	390.6	432.7	475.1	518.6	536.7	566.3	594.3	617.0	652.5	714.0
-67.5°	323.2	352.2	377.8	415.6	440.5	461.7	487.1	512.2	535.0	563.0	615.5
-70°	296.0	316.8	336.7	359.0	373.8	392.8	413.3	430.7	447.0	470.2	508.1
-72.5°	268.8	284.6	298.1	307.8	321.0	332.6	343.4	353.4	364.3	375.0	384.3
-75°	235.2	251.1	264.4	273.4	280.6	285.9	292.0	300.8	305.8	310.9	315.0
-77.5°	202.3	216.5	228.4	238.4	247.5	256.6	264.5	269.4	273.2	276.6	279.9
-80°	171.5	184.0	194.3	203.9	213.8	222.9	232.6	240.3	247.7	254.9	260.6
-82.5°	140.8	151.8	162.6	170.9	178.6	187.3	196.6	204.8	212.3	217.8	224.3
-85°	110.0	118.8	126.1	132.9	139.4	146.8	154.6	162.0	171.1	178.2	182.5
-87.5°	58.8	66.0	72.1	78.3	84.4	90.7	96.8	101.4	107.3	109.8	115.5
-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: P902102 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-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°	58.5	60.8	63.0	64.9	65.2	66.4	66.1	66.7	66.0	64.9	64.5
85°	146.7	148.2	151.4	155.0	159.0	159.3	160.2	161.9	164.1	164.8	158.6
82.5°	248.0	256.7	268.2	284.3	289.4	288.1	288.4	299.8	326.1	349.6	350.4
80°	432.3	441.4	475.2	516.3	528.6	532.7	552.7	609.9	691.9	787.9	854.6
77.5°	655.7	691.0	759.6	817.6	834.4	852.0	910.0	1003.7	1140.8	1270.0	1372.5
75°	921.1	969.9	1039.0	1107.5	1159.8	1230.4	1355.7	1534.5	1708.7	1847.1	1986.6
72.5°	1265.0	1312.8	1363.5	1442.9	1543.4	1678.0	1898.5	2167.4	2399.1	2600.8	2809.1
70°	1772.5	1807.5	1883.1	2009.3	2186.8	2477.5	2819.1	3141.8	3375.3	3575.4	3753.8
67.5°	2547.9	2770.0	2912.5	3117.7	3576.6	4017.7	4341.4	4531.6	4600.0	4623.8	4645.0
65°	5343.0	5927.9	6102.6	6285.4	7482.7	8152.4	8313.6	7879.1	7467.7	7351.7	7048.3
62.5°	13836.0	16270.3	16742.9	17508.8	20251.5	21220.3	20314.9	19495.7	19695.9	18745.9	17635.9
60°	33403.2	38027.6	41569.3	44374.8	47431.9	49007.7	48017.3	46653.9	45264.2	43290.0	41203.2
57.5°	57265.1	63602.3	70097.8	74596.4	78063.0	80722.9	79984.2	78175.6	76579.6	75552.4	72727.0
55°	74734.2	80769.4	88405.4	93505.8	97123.5	100473.6	99521.2	99255.6	100145.3	101003.5	97333.0
52.5°	81127.5	86431.2	92427.8	97025.9	100109.7	102491.9	103166.2	104145.3	106734.9	106343.4	104533.1
50°	81708.4	85558.7	89972.0	92667.1	95128.3	96587.5	97642.7	100023.5	102125.0	101048.3	100131.2
47.5°	78766.1	81090.8	83313.2	84926.4	86034.5	86775.8	87315.0	89043.8	89997.5	87895.3	87033.4
45°	73712.7	74362.4	74716.0	75501.8	75941.7	76193.2	76097.2	77110.9	76232.1	74038.4	72829.5
42.5°	68360.1	67583.6	67179.7	67925.5	68274.3	68526.0	68791.9	69639.2	67706.6	65835.3	64941.1
40°	64406.2	63014.0	62636.8	63148.6	63458.6	63528.6	64202.1	64201.2	62376.2	61230.2	60380.2
37.5°	61831.8	60021.8	59573.8	59658.7	59575.7	59631.1	60452.2	59834.1	58213.5	57504.6	56850.5
35°	59898.5	57978.9	57055.0	56844.4	56450.1	56475.5	57209.1	56215.4	55201.1	54795.5	54414.9
32.5°	57850.1	56080.2	54873.3	54291.6	53799.5	53885.2	54513.0	53546.5	53107.6	53031.8	53070.0
30°	56272.0	54196.3	52834.6	52053.1	51558.1	51910.7	52262.5	51480.3	51335.1	51573.7	51879.7
27.5°	54979.6	52710.0	51039.2	50159.5	49609.5	50184.6	50171.4	49394.3	49372.3	49581.0	49882.6
25°	54099.5	51605.8	49719.7	48665.4	48108.4	48442.6	48161.2	47283.7	47148.1	47156.3	47395.0
22.5°	53508.7	50914.8	48887.0	47557.1	47007.3	47165.1	46297.0	45506.7	45297.4	45182.4	45340.4
20°	53117.2	50499.9	48370.3	46948.0	46262.7	46201.4	44905.1	44219.5	44031.0	43895.6	43925.1
17.5°	52741.6	50171.6	48062.3	46584.1	45955.7	45667.1	44112.9	43297.1	43105.5	43030.5	43018.3
15°	52001.7	49679.5	47714.2	46326.4	45836.4	45326.3	43651.2	42792.3	42486.4	42330.0	42330.5
12.5°	50704.0	48647.3	46891.1	45542.9	45265.0	44869.7	43118.9	42182.0	41790.8	41510.3	41423.5
10°	48438.8	46867.2	45386.9	44320.3	44078.7	43675.0	42109.2	41260.8	40822.7	40521.8	40353.9
7.5°	45414.6	44151.0	43020.4	42235.6	42061.5	41605.7	40382.3	39684.5	39144.5	38888.3	38727.3
5°	41752.2	40750.0	39738.5	39149.2	39011.5	38667.1	37640.6	37046.7	36722.0	36400.1	36221.2
2.5°	37398.2	36656.4	35895.5	35394.6	35200.5	35028.6	34069.4	33565.8	33227.6	33004.2	32919.3
0°	32507.2	31981.2	31263.3	30887.3	30700.2	30672.4	29852.9	29359.9	29006.1	28770.4	28576.9
-2.5°	26525.5	26113.2	25547.4	25238.0	24986.5	24941.2	24212.1	23727.1	23395.0	23121.5	22923.5
-5°	19887.7	19422.0	18922.2	18584.3	18278.8	18169.7	17648.3	17231.6	16967.2	16674.5	16477.3
-7.5°	13148.5	12736.0	12280.1	11985.0	11612.6	11422.3	11093.3	10753.8	10545.9	10353.4	10185.6
-10°	7834.5	7375.8	7066.1	6810.2	6502.6	6333.0	6073.3	5829.7	5680.0	5542.6	5424.2
-12.5°	4353.1	4123.8	3819.3	3581.2	3389.4	3270.8	3155.5	3031.7	2939.7	2840.8	2717.7
-15°	2747.1	2605.6	2474.4	2350.7	2239.7	2161.0	2086.5	2037.9	1989.7	1929.4	1853.8
-17.5°	2215.1	2123.2	2044.1	1981.0	1917.6	1873.7	1826.8	1792.2	1753.4	1715.4	1673.1
-20°	2022.1	1963.1	1912.0	1856.0	1802.9	1755.5	1719.5	1683.5	1650.2	1610.1	1574.0



REPORT NUMBER: P902102 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WB-LO

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1914.6	1859.4	1812.9	1761.2	1710.6	1671.5	1628.6	1597.7	1566.7	1526.2	1491.9
-25°	1839.9	1768.5	1723.5	1674.2	1630.9	1584.9	1552.2	1517.6	1483.7	1446.8	1420.8
-27.5°	1760.3	1702.8	1643.9	1603.3	1554.2	1516.9	1481.5	1448.7	1421.3	1390.2	1367.0
-30°	1714.9	1639.0	1600.4	1545.9	1502.6	1465.9	1432.1	1402.3	1375.9	1347.9	1330.3
-32.5°	1654.7	1580.3	1574.6	1524.3	1469.5	1430.2	1401.7	1372.0	1348.5	1322.9	1304.8
-35°	1600.2	1584.4	1511.4	1506.7	1464.2	1421.2	1382.8	1356.0	1334.8	1316.0	1299.0
-37.5°	1566.2	1547.1	1504.4	1463.5	1432.0	1410.4	1390.5	1349.1	1327.0	1314.0	1297.4
-40°	1513.4	1477.4	1466.3	1420.4	1408.3	1365.1	1358.5	1337.9	1323.6	1324.9	1315.7
-42.5°	1449.0	1433.4	1406.3	1369.0	1352.7	1356.8	1355.8	1321.8	1324.6	1327.0	1331.7
-45°	1397.5	1389.1	1377.8	1356.1	1356.1	1360.0	1317.6	1322.2	1325.9	1327.1	1330.6
-47.5°	1355.6	1358.2	1355.6	1328.5	1347.0	1321.8	1312.3	1303.2	1329.6	1318.8	1326.8
-50°	1341.5	1331.7	1341.5	1283.1	1281.4	1278.1	1276.3	1280.2	1285.3	1274.2	1285.3
-52.5°	1251.7	1277.7	1271.8	1237.0	1213.3	1226.3	1213.7	1212.9	1234.8	1238.6	1242.3
-55°	1179.7	1202.3	1172.8	1133.3	1135.9	1126.0	1129.5	1119.1	1113.4	1124.6	1144.4
-57.5°	1088.8	1105.9	1081.1	1056.4	1032.7	1016.7	1020.8	1021.0	1019.5	1007.8	1016.1
-60°	990.0	1009.9	987.2	939.3	915.1	903.2	922.4	907.5	915.7	928.5	911.7
-62.5°	877.1	879.4	855.2	809.7	797.5	797.7	808.9	823.3	828.0	817.4	795.4
-65°	768.4	759.9	732.0	702.5	697.3	708.2	721.9	730.9	709.2	701.2	704.4
-67.5°	669.3	665.3	640.8	618.9	597.7	592.2	592.8	590.2	585.7	577.1	566.6
-70°	547.0	554.5	538.6	522.3	514.9	504.8	497.3	494.3	492.0	486.2	472.8
-72.5°	405.3	426.2	423.2	411.7	409.0	408.1	407.3	409.4	410.1	404.0	393.6
-75°	324.5	336.2	337.9	336.0	337.8	338.3	344.9	348.7	349.5	345.9	342.6
-77.5°	287.1	291.7	291.9	289.1	287.5	286.7	288.7	291.9	294.8	293.6	294.5
-80°	265.4	268.0	269.3	269.2	267.1	264.8	264.4	263.9	263.9	262.5	264.7
-82.5°	232.0	237.0	240.9	243.2	245.5	245.6	248.2	248.7	249.0	248.3	250.1
-85°	188.4	190.4	191.7	193.9	196.4	198.0	200.0	202.0	202.6	203.0	204.0
-87.5°	118.2	120.2	123.7	125.3	126.8	128.1	130.8	131.8	132.7	133.4	134.0
-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: P902102 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-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°	63.2	62.9	60.8	60.8	60.8	62.9	63.2	64.5	64.9	66.0	66.7
85°	153.0	148.0	143.8	142.4	143.8	148.0	153.0	158.6	164.8	164.1	161.9
82.5°	334.0	312.2	300.1	294.4	300.1	312.2	334.0	350.4	349.6	326.1	299.8
80°	879.4	851.6	809.3	800.3	809.3	851.6	879.4	854.6	787.9	691.9	609.9
77.5°	1431.5	1417.2	1363.5	1336.4	1363.5	1417.2	1431.5	1372.5	1270.0	1140.8	1003.7
75°	2094.6	2068.0	2008.6	1990.0	2008.6	2068.0	2094.6	1986.6	1847.1	1708.7	1534.5
72.5°	2949.4	2906.8	2839.0	2819.7	2839.0	2906.8	2949.4	2809.1	2600.8	2399.1	2167.4
70°	3802.1	3697.0	3611.5	3589.6	3611.5	3697.0	3802.1	3753.8	3575.4	3375.3	3141.8
67.5°	4566.5	4406.7	4318.3	4319.2	4318.3	4406.7	4566.5	4645.0	4623.8	4600.0	4531.6
65°	6711.4	6370.8	6190.5	6129.8	6190.5	6370.8	6711.4	7048.3	7351.7	7467.7	7879.1
62.5°	16571.0	15719.0	15240.6	15138.0	15240.6	15719.0	16571.0	17635.9	18745.9	19695.9	19495.7
60°	38813.9	37197.1	36364.5	36229.3	36364.5	37197.1	38813.9	41203.2	43290.0	45264.2	46653.9
57.5°	69220.4	66976.0	65770.5	65787.3	65770.5	66976.0	69220.4	72727.0	75552.4	76579.6	78175.6
55°	94735.2	93144.3	92332.6	92451.2	92332.6	93144.3	94735.2	97333.0	101003.5	100145.3	99255.6
52.5°	103428.0	102570.8	102105.8	102510.0	102105.8	102570.8	103428.0	104533.1	106343.4	106734.9	104145.3
50°	99839.9	99245.2	98857.3	99216.7	98857.3	99245.2	99839.9	100131.2	101048.3	102125.0	100023.5
47.5°	86765.9	85946.6	85426.8	85895.8	85426.8	85946.6	86765.9	87033.4	87895.3	89997.5	89043.8
45°	72409.4	71670.7	71132.7	71420.2	71132.7	71670.7	72409.4	72829.5	74038.4	76232.1	77110.9
42.5°	64316.2	63560.1	62962.0	62915.9	62962.0	63560.1	64316.2	64941.1	65835.3	67706.6	69639.2
40°	59746.8	59113.2	58530.7	58928.6	58530.7	59113.2	59746.8	60380.2	61230.2	62376.2	64201.2
37.5°	56365.9	56041.3	55764.2	55923.5	55764.2	56041.3	56365.9	56850.5	57504.6	58213.5	59834.1
35°	54262.5	54204.3	54100.9	54235.1	54100.9	54204.3	54262.5	54414.9	54795.5	55201.1	56215.4
32.5°	53254.4	53485.7	53592.1	53890.4	53592.1	53485.7	53254.4	53070.0	53031.8	53107.6	53546.5
30°	52307.5	52986.9	53430.5	54215.7	53430.5	52986.9	52307.5	51879.7	51573.7	51335.1	51480.3
27.5°	50343.7	51087.2	51503.2	52126.6	51503.2	51087.2	50343.7	49882.6	49581.0	49372.3	49394.3
25°	47616.9	48127.4	48452.5	48741.7	48452.5	48127.4	47616.9	47395.0	47156.3	47148.1	47283.7
22.5°	45423.6	45720.1	45993.3	46104.1	45993.3	45720.1	45423.6	45340.4	45182.4	45297.4	45506.7
20°	44043.8	44193.6	44491.5	44677.5	44491.5	44193.6	44043.8	43925.1	43895.6	44031.0	44219.5
17.5°	43087.0	43229.7	43497.6	43596.3	43497.6	43229.7	43087.0	43018.3	43030.5	43105.5	43297.1
15°	42274.1	42355.0	42625.2	42552.0	42625.2	42355.0	42274.1	42330.5	42330.0	42486.4	42792.3
12.5°	41358.2	41306.5	41463.9	41296.8	41463.9	41306.5	41358.2	41423.5	41510.3	41790.8	42182.0
10°	40294.9	40244.0	40200.3	40208.6	40200.3	40244.0	40294.9	40353.9	40521.8	40822.7	41260.8
7.5°	38615.6	38667.8	38616.1	38684.5	38616.1	38667.8	38615.6	38727.3	38888.3	39144.5	39684.5
5°	36171.3	36124.3	36057.1	36161.0	36057.1	36124.3	36171.3	36221.2	36400.1	36722.0	37046.7
2.5°	32768.5	32639.0	32607.3	32625.1	32607.3	32639.0	32768.5	32919.3	33004.2	33227.6	33565.8
0°	28464.2	28361.5	28305.7	28258.4	28305.7	28361.5	28464.2	28576.9	28770.4	29006.1	29359.9
-2.5°	22762.9	22602.4	22471.3	22393.2	22471.3	22602.4	22762.9	22923.5	23121.5	23395.0	23727.1
-5°	16355.7	16189.5	16131.1	16053.6	16131.1	16189.5	16355.7	16477.3	16674.5	16967.2	17231.6
-7.5°	10041.2	10062.4	9912.4	9916.0	9912.4	10062.4	10041.2	10185.6	10353.4	10545.9	10753.8
-10°	5404.1	5371.5	5286.0	5136.9	5286.0	5371.5	5404.1	5424.2	5542.6	5680.0	5829.7
-12.5°	2756.7	2775.3	2766.0	2708.0	2766.0	2775.3	2756.7	2717.7	2840.8	2939.7	3031.7
-15°	1818.2	1791.9	1853.4	1853.3	1853.4	1791.9	1818.2	1853.8	1929.4	1989.7	2037.9
-17.5°	1652.1	1633.8	1624.9	1616.4	1624.9	1633.8	1652.1	1673.1	1715.4	1753.4	1792.2
-20°	1554.6	1543.6	1538.4	1532.7	1538.4	1543.6	1554.6	1574.0	1610.1	1650.2	1683.5



REPORT NUMBER: P902102 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WB-LO

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1473.4	1464.3	1460.6	1453.9	1460.6	1464.3	1473.4	1491.9	1526.2	1566.7	1597.7
-25°	1406.7	1398.7	1395.3	1392.1	1395.3	1398.7	1406.7	1420.8	1446.8	1483.7	1517.6
-27.5°	1352.5	1340.6	1335.7	1337.8	1335.7	1340.6	1352.5	1367.0	1390.2	1421.3	1448.7
-30°	1316.1	1303.2	1297.5	1297.5	1297.5	1303.2	1316.1	1330.3	1347.9	1375.9	1402.3
-32.5°	1295.6	1285.7	1282.2	1280.0	1282.2	1285.7	1295.6	1304.8	1322.9	1348.5	1372.0
-35°	1289.0	1280.2	1273.2	1272.4	1273.2	1280.2	1289.0	1299.0	1316.0	1334.8	1356.0
-37.5°	1290.1	1279.2	1272.9	1272.4	1272.9	1279.2	1290.1	1297.4	1314.0	1327.0	1349.1
-40°	1300.8	1285.2	1276.4	1272.4	1276.4	1285.2	1300.8	1315.7	1324.9	1323.6	1337.9
-42.5°	1334.2	1315.4	1313.9	1325.8	1313.9	1315.4	1334.2	1331.7	1327.0	1324.6	1321.8
-45°	1332.1	1328.1	1302.3	1291.6	1302.3	1328.1	1332.1	1330.6	1327.1	1325.9	1322.2
-47.5°	1324.2	1308.7	1271.9	1256.0	1271.9	1308.7	1324.2	1326.8	1318.8	1329.6	1303.2
-50°	1260.3	1254.9	1257.3	1256.0	1257.3	1254.9	1260.3	1285.3	1274.2	1285.3	1280.2
-52.5°	1238.6	1224.5	1240.5	1256.0	1240.5	1224.5	1238.6	1242.3	1238.6	1234.8	1212.9
-55°	1149.8	1138.8	1159.6	1199.5	1159.6	1138.8	1149.8	1144.4	1124.6	1113.4	1119.1
-57.5°	1028.8	1037.7	1045.2	1051.6	1045.2	1037.7	1028.8	1016.1	1007.8	1019.5	1021.0
-60°	900.0	901.1	898.3	899.4	898.3	901.1	900.0	911.7	928.5	915.7	907.5
-62.5°	775.7	756.7	746.4	719.7	746.4	756.7	775.7	795.4	817.4	828.0	823.3
-65°	665.5	649.8	652.8	654.1	652.8	649.8	665.5	704.4	701.2	709.2	730.9
-67.5°	550.4	535.0	531.5	530.0	531.5	535.0	550.4	566.6	577.1	585.7	590.2
-70°	462.6	457.0	451.2	447.8	451.2	457.0	462.6	472.8	486.2	492.0	494.3
-72.5°	388.5	381.6	378.0	372.1	378.0	381.6	388.5	393.6	404.0	410.1	409.4
-75°	340.6	338.5	336.6	333.2	336.6	338.5	340.6	342.6	345.9	349.5	348.7
-77.5°	296.5	297.4	296.8	294.9	296.8	297.4	296.5	294.5	293.6	294.8	291.9
-80°	268.6	271.9	272.2	272.0	272.2	271.9	268.6	264.7	262.5	263.9	263.9
-82.5°	252.4	253.8	256.2	254.1	256.2	253.8	252.4	250.1	248.3	249.0	248.7
-85°	204.2	204.0	202.9	200.4	202.9	204.0	204.2	204.0	203.0	202.6	202.0
-87.5°	134.1	134.4	134.5	134.1	134.5	134.4	134.1	134.0	133.4	132.7	131.8
-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°	66.1	66.4	65.2	64.9	63.0	60.8	58.5	57.7	57.5	55.4	54.7
85°	160.2	159.3	159.0	155.0	151.4	148.2	146.7	143.1	140.9	138.6	135.6
82.5°	288.4	288.1	289.4	284.3	268.2	256.7	248.0	237.1	236.1	240.1	243.7
80°	552.7	532.7	528.6	516.3	475.2	441.4	432.3	426.3	415.3	404.0	391.7
77.5°	910.0	852.0	834.4	817.6	759.6	691.0	655.7	630.3	611.7	598.2	577.3
75°	1355.7	1230.4	1159.8	1107.5	1039.0	969.9	921.1	886.3	863.2	838.2	803.0
72.5°	1898.5	1678.0	1543.4	1442.9	1363.5	1312.8	1265.0	1216.4	1201.4	1159.3	1081.7
70°	2819.1	2477.5	2186.8	2009.3	1883.1	1807.5	1772.5	1727.9	1663.3	1572.7	1433.7
67.5°	4341.4	4017.7	3576.6	3117.7	2912.5	2770.0	2547.9	2412.3	2389.6	2159.2	1913.5
65°	8313.6	8152.4	7482.7	6285.4	6102.6	5927.9	5343.0	4841.7	4461.1	3485.7	3064.3
62.5°	20314.9	21220.3	20251.5	17508.8	16742.9	16270.3	13836.0	12543.2	10804.9	8023.1	7282.0
60°	48017.3	49007.7	47431.9	44374.8	41569.3	38027.6	33403.2	29391.9	24147.7	19570.8	16334.6
57.5°	79984.2	80722.9	78063.0	74596.4	70097.8	63602.3	57265.1	49735.8	42734.5	36199.1	30314.8
55°	99521.2	100473.6	97123.5	93505.8	88405.4	80769.4	74734.2	65841.9	59257.8	51744.4	46728.8
52.5°	103166.2	102491.9	100109.7	97025.9	92427.8	86431.2	81127.5	74516.2	68151.0	62219.6	57423.1
50°	97642.7	96587.5	95128.3	92667.1	89972.0	85558.7	81708.4	77446.7	72637.8	67941.5	63908.7
47.5°	87315.0	86775.8	86034.5	84926.4	83313.2	81090.8	78766.1	76627.9	73844.6	70161.6	67242.9
45°	76097.2	76193.2	75941.7	75501.8	74716.0	74362.4	73712.7	73749.2	73220.6	71121.6	68477.4
42.5°	68791.9	68526.0	68274.3	67925.5	67179.7	67583.6	68360.1	69592.1	71466.3	71547.4	70054.4
40°	64202.1	63528.6	63458.6	63148.6	62636.8	63014.0	64406.2	66220.0	68561.7	71458.0	71184.2
37.5°	60452.2	59631.1	59575.7	59658.7	59573.8	60021.8	61831.8	64085.6	66726.5	70017.1	71733.6
35°	57209.1	56475.5	56450.1	56844.4	57055.0	57978.9	59898.5	62627.1	65448.7	68939.4	71668.9
32.5°	54513.0	53885.2	53799.5	54291.6	54873.3	56080.2	57850.1	61239.9	64318.9	68039.6	71397.1
30°	52262.5	51910.7	51558.1	52053.1	52834.6	54196.3	56272.0	59576.7	63333.5	67035.0	70903.4
27.5°	50171.4	50184.6	49609.5	50159.5	51039.2	52710.0	54979.6	58341.3	62410.3	66345.4	70280.7
25°	48161.2	48442.6	48108.4	48665.4	49719.7	51605.8	54099.5	57245.3	61695.8	65689.0	69580.6
22.5°	46297.0	47165.1	47007.3	47557.1	48887.0	50914.8	53508.7	56736.2	60964.4	65051.6	68458.8
20°	44905.1	46201.4	46262.7	46948.0	48370.3	50499.9	53117.2	56121.4	60265.6	64257.4	67135.5
17.5°	44112.9	45667.1	45955.7	46584.1	48062.3	50171.6	52741.6	55551.4	59218.1	62953.2	65457.9
15°	43651.2	45326.3	45836.4	46326.4	47714.2	49679.5	52001.7	54462.0	57737.1	61107.7	63171.9
12.5°	43118.9	44869.7	45265.0	45542.9	46891.1	48647.3	50704.0	52825.4	55543.7	58523.0	60001.9
10°	42109.2	43675.0	44078.7	44320.3	45386.9	46867.2	48438.8	50228.3	52447.5	54859.6	56090.6
7.5°	40382.3	41605.7	42061.5	42235.6	43020.4	44151.0	45414.6	46827.5	48573.4	50624.3	51585.3
5°	37640.6	38667.1	39011.5	39149.2	39738.5	40750.0	41752.2	42778.6	44156.6	45815.0	46536.7
2.5°	34069.4	35028.6	35200.5	35394.6	35895.5	36656.4	37398.2	38196.0	39229.4	40500.4	40919.8
0°	29852.9	30672.4	30700.2	30887.3	31263.3	31981.2	32507.2	32937.9	33761.1	34798.8	34926.6
-2.5°	24212.1	24941.2	24986.5	25238.0	25547.4	26113.2	26525.5	26954.1	27662.3	28391.3	28448.9
-5°	17648.3	18169.7	18278.8	18584.3	18922.2	19422.0	19887.7	20244.6	20939.3	21572.9	21621.1
-7.5°	11093.3	11422.3	11612.6	11985.0	12280.1	12736.0	13148.5	13561.9	14243.3	14782.7	15034.9
-10°	6073.3	6333.0	6502.6	6810.2	7066.1	7375.8	7834.5	8151.0	8732.2	9271.9	9676.2
-12.5°	3155.5	3270.8	3389.4	3581.2	3819.3	4123.8	4353.1	4703.6	5069.8	5511.9	5909.0
-15°	2086.5	2161.0	2239.7	2350.7	2474.4	2605.6	2747.1	2974.4	3195.2	3500.6	3808.6
-17.5°	1826.8	1873.7	1917.6	1981.0	2044.1	2123.2	2215.1	2328.9	2447.3	2591.0	2773.5
-20°	1719.5	1755.5	1802.9	1856.0	1912.0	1963.1	2022.1	2116.3	2182.7	2237.4	2339.7



REPORT NUMBER: P902102 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WB-LO

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1628.6	1671.5	1710.6	1761.2	1812.9	1859.4	1914.6	1978.5	2032.7	2089.5	2119.6
-25°	1552.2	1584.9	1630.9	1674.2	1723.5	1768.5	1839.9	1879.6	1940.1	1954.0	1991.4
-27.5°	1481.5	1516.9	1554.2	1603.3	1643.9	1702.8	1760.3	1798.9	1840.8	1879.6	1884.9
-30°	1432.1	1465.9	1502.6	1545.9	1600.4	1639.0	1714.9	1746.1	1770.7	1802.9	1789.6
-32.5°	1401.7	1430.2	1469.5	1524.3	1574.6	1580.3	1654.7	1688.6	1728.9	1731.4	1734.1
-35°	1382.8	1421.2	1464.2	1506.7	1511.4	1584.4	1600.2	1645.8	1671.5	1676.1	1665.0
-37.5°	1390.5	1410.4	1432.0	1463.5	1504.4	1547.1	1566.2	1588.5	1610.7	1617.9	1611.5
-40°	1358.5	1365.1	1408.3	1420.4	1466.3	1477.4	1513.4	1526.1	1526.8	1537.7	1531.5
-42.5°	1355.8	1356.8	1352.7	1369.0	1406.3	1433.4	1449.0	1466.0	1465.1	1466.2	1459.4
-45°	1317.6	1360.0	1356.1	1356.1	1377.8	1389.1	1397.5	1405.7	1405.8	1397.1	1395.5
-47.5°	1312.3	1321.8	1347.0	1328.5	1355.6	1358.2	1355.6	1357.4	1346.0	1327.8	1316.8
-50°	1276.3	1278.1	1281.4	1283.1	1341.5	1331.7	1341.5	1281.8	1283.8	1238.1	1230.1
-52.5°	1213.7	1226.3	1213.3	1237.0	1271.8	1277.7	1251.7	1190.8	1185.1	1144.6	1112.6
-55°	1129.5	1126.0	1135.9	1133.3	1172.8	1202.3	1179.7	1098.8	1056.5	1025.6	1010.2
-57.5°	1020.8	1016.7	1032.7	1056.4	1081.1	1105.9	1088.8	1008.0	954.6	900.0	878.4
-60°	922.4	903.2	915.1	939.3	987.2	1009.9	990.0	919.2	850.5	802.4	773.4
-62.5°	808.9	797.7	797.5	809.7	855.2	879.4	877.1	817.0	750.1	706.3	680.7
-65°	721.9	708.2	697.3	702.5	732.0	759.9	768.4	714.0	652.5	617.0	594.3
-67.5°	592.8	592.2	597.7	618.9	640.8	665.3	669.3	615.5	563.0	535.0	512.2
-70°	497.3	504.8	514.9	522.3	538.6	554.5	547.0	508.1	470.2	447.0	430.7
-72.5°	407.3	408.1	409.0	411.7	423.2	426.2	405.3	384.3	375.0	364.3	353.4
-75°	344.9	338.3	337.8	336.0	337.9	336.2	324.5	315.0	310.9	305.8	300.8
-77.5°	288.7	286.7	287.5	289.1	291.9	291.7	287.1	279.9	276.6	273.2	269.4
-80°	264.4	264.8	267.1	269.2	269.3	268.0	265.4	260.6	254.9	247.7	240.3
-82.5°	248.2	245.6	245.5	243.2	240.9	237.0	232.0	224.3	217.8	212.3	204.8
-85°	200.0	198.0	196.4	193.9	191.7	190.4	188.4	182.5	178.2	171.1	162.0
-87.5°	130.8	128.1	126.8	125.3	123.7	120.2	118.2	115.5	109.8	107.3	101.4
-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: P902102 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-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°	52.3	51.2	48.5	45.6	41.5	36.3	31.5	27.9	24.4	21.0	19.2
85°	131.3	125.6	119.2	111.0	98.6	83.6	69.0	57.6	48.7	42.0	38.3
82.5°	242.7	232.2	215.9	196.4	170.8	146.8	123.0	103.6	85.8	70.3	59.9
80°	381.6	366.4	340.4	309.3	272.3	233.5	193.3	153.8	123.7	102.2	86.4
77.5°	547.9	513.0	489.7	453.2	399.7	334.2	277.0	222.5	177.8	139.2	112.7
75°	759.0	721.0	682.0	626.4	551.9	471.1	380.9	296.1	235.1	189.0	148.3
72.5°	1023.3	965.5	903.7	830.3	735.8	618.3	487.9	384.3	301.3	237.6	188.9
70°	1330.3	1246.0	1142.9	1048.6	926.0	774.9	623.0	477.3	370.0	293.6	228.7
67.5°	1785.8	1616.6	1491.0	1378.8	1126.2	971.1	763.0	585.4	446.3	349.0	274.2
65°	2869.4	2322.3	2224.6	1879.8	1689.4	1230.7	948.7	702.8	529.8	408.2	319.3
62.5°	5640.2	4989.1	3968.6	3390.2	2599.4	1700.6	1169.1	849.4	613.4	473.2	362.8
60°	13095.5	11172.0	8029.7	6468.6	4279.6	2539.8	1459.3	998.6	715.0	534.0	415.2
57.5°	26293.8	21686.9	17558.4	11052.0	7650.1	3829.7	1964.4	1200.6	809.9	609.9	465.8
55°	41147.6	36830.8	29855.3	21525.1	11999.9	6726.5	2786.4	1400.0	956.1	685.0	514.8
52.5°	54288.0	50079.7	44199.6	33183.0	21656.2	10350.7	4069.9	1848.7	1090.6	755.7	573.9
50°	62381.2	60456.6	55421.9	46241.0	31355.2	16418.3	6151.9	2173.8	1243.1	854.9	631.3
47.5°	65819.4	66036.4	64148.3	56352.9	42418.6	22718.9	8322.4	3052.3	1463.1	939.8	685.4
45°	67464.8	68321.1	68926.7	65136.7	51926.5	31086.1	12600.5	3792.7	1640.5	1024.8	747.4
42.5°	68621.7	69432.5	71509.9	69934.1	60249.9	39737.8	15966.3	4612.5	1905.5	1166.7	818.8
40°	70098.8	70107.2	71975.8	74072.0	67487.8	47687.6	22402.9	7042.4	2103.8	1288.1	887.0
37.5°	71033.8	70594.3	71912.5	73780.6	70966.5	55742.8	28151.2	8703.0	2281.3	1388.4	951.6
35°	71697.3	70764.8	70798.1	73141.3	74081.2	62774.2	33617.3	10949.8	2899.6	1517.3	1031.2
32.5°	71922.3	70746.9	70114.6	71243.1	72676.5	65110.8	40344.0	14629.8	3745.8	1651.8	1114.3
30°	72195.4	70449.2	68737.6	68448.4	71487.3	66689.2	46353.3	17169.0	4303.6	1769.0	1186.3
27.5°	71804.6	69919.6	67573.8	66224.5	68457.3	66401.4	49757.8	18835.8	4459.6	1870.0	1248.8
25°	71446.8	69209.6	66155.3	63983.7	64847.8	63480.5	49778.7	22737.9	5432.4	1985.6	1301.9
22.5°	70330.1	68162.7	64389.0	61445.1	60928.2	61018.6	49343.7	25403.7	6662.9	2180.4	1345.5
20°	69035.0	66660.1	62562.9	59047.8	57792.1	58469.5	48466.4	27175.6	7179.3	2279.3	1390.3
17.5°	67255.5	64698.4	60186.4	56431.7	54828.9	54708.9	46747.1	27879.9	7192.2	2344.5	1422.6
15°	64106.6	61881.0	57269.0	53493.2	51665.3	51059.6	43897.1	27315.7	6878.5	2366.6	1439.7
12.5°	60470.4	58317.4	53958.5	50158.9	48372.9	47509.6	40658.7	25483.8	6118.4	2364.7	1440.9
10°	56379.1	54191.6	50124.5	46590.0	44621.1	43666.6	37223.4	23186.6	6318.8	2347.0	1430.7
7.5°	51768.6	49567.6	45792.5	42577.4	40723.2	39597.9	33169.6	20462.2	6257.2	2306.3	1407.7
5°	46398.0	44371.8	40916.9	37980.3	36152.3	35213.3	28774.7	17354.4	5770.1	2212.4	1364.3
2.5°	40653.3	38631.4	35613.6	33088.7	31425.2	30429.8	23949.4	14147.9	5071.0	2088.1	1311.4
0°	34535.4	32571.3	30030.7	27951.2	26564.6	25410.6	18870.2	10653.5	4133.8	1947.7	1250.4
-2.5°	27908.1	26169.6	24343.2	22854.7	21724.3	20219.2	14517.1	8261.1	3451.6	1759.7	1164.5
-5°	21340.3	20168.0	19100.3	18180.3	17194.8	15260.9	10228.7	5823.2	2741.5	1564.8	1074.1
-7.5°	15207.3	14788.2	14369.7	13942.4	13083.5	11283.0	7707.9	4428.2	2218.8	1383.9	981.5
-10°	10126.5	10236.2	10218.1	10311.3	9814.1	8145.2	5398.5	3269.5	1834.9	1252.8	912.0
-12.5°	6447.2	6675.7	7100.7	7411.9	6980.5	5851.0	4106.4	2541.6	1526.2	1122.9	848.0
-15°	4138.7	4404.3	4899.8	5100.8	5080.7	4327.5	3001.7	2041.5	1400.7	1023.3	785.7
-17.5°	2922.1	3196.7	3426.0	3713.8	3725.1	3173.7	2431.2	1744.9	1277.2	959.6	740.2
-20°	2387.2	2513.1	2642.4	2817.0	2769.0	2531.8	2034.3	1593.9	1179.7	897.4	705.5



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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°	2147.4	2159.3	2255.8	2220.7	2297.0	2101.6	1837.4	1453.6	1097.6	843.5	669.6
-25°	1989.4	1985.5	1990.5	1997.5	1977.0	1891.3	1674.6	1341.9	1014.8	794.2	635.5
-27.5°	1875.0	1862.5	1830.2	1823.7	1820.7	1722.8	1551.8	1231.9	949.7	751.5	604.6
-30°	1795.1	1772.1	1740.6	1723.0	1690.0	1600.2	1427.9	1147.6	895.4	710.4	572.0
-32.5°	1717.4	1697.5	1671.4	1626.9	1586.1	1476.2	1307.7	1064.3	837.1	669.9	537.8
-35°	1648.5	1629.0	1585.0	1541.5	1498.0	1361.1	1196.9	979.1	777.4	627.2	503.2
-37.5°	1597.4	1555.2	1498.2	1457.4	1383.1	1247.8	1094.0	898.4	722.3	585.1	471.2
-40°	1521.1	1481.4	1438.0	1370.4	1265.4	1142.7	993.4	823.5	670.8	546.1	441.1
-42.5°	1449.3	1396.9	1376.0	1280.3	1173.9	1050.4	901.3	747.9	618.6	506.3	410.4
-45°	1379.5	1320.3	1273.6	1181.4	1081.2	960.6	825.6	690.0	570.1	465.6	379.4
-47.5°	1281.3	1250.0	1179.9	1084.6	989.5	876.0	752.0	633.2	525.3	432.4	353.9
-50°	1177.9	1142.0	1085.1	999.7	901.4	795.9	685.2	576.8	479.3	399.9	332.1
-52.5°	1086.4	1038.0	978.7	901.7	814.7	717.1	619.5	525.6	440.3	366.8	310.2
-55°	969.9	934.0	875.0	809.6	733.7	645.5	557.7	472.7	403.6	342.4	289.1
-57.5°	855.4	825.9	777.0	717.1	654.1	574.9	496.8	430.3	367.8	318.1	274.9
-60°	754.5	728.3	686.0	639.0	576.0	504.6	444.1	387.2	340.0	295.2	260.3
-62.5°	658.9	632.5	603.9	559.3	496.9	443.6	396.3	352.2	311.1	277.9	245.2
-65°	566.3	536.7	518.6	475.1	432.7	390.6	357.6	319.4	288.6	259.8	227.6
-67.5°	487.1	461.7	440.5	415.6	377.8	352.2	323.2	295.0	268.3	239.6	209.4
-70°	413.3	392.8	373.8	359.0	336.7	316.8	296.0	273.5	245.8	218.1	190.6
-72.5°	343.4	332.6	321.0	307.8	298.1	284.6	268.8	245.9	220.4	196.3	171.2
-75°	292.0	285.9	280.6	273.4	264.4	251.1	235.2	215.3	194.4	173.2	151.4
-77.5°	264.5	256.6	247.5	238.4	228.4	216.5	202.3	186.3	168.5	149.6	131.6
-80°	232.6	222.9	213.8	203.9	194.3	184.0	171.5	157.7	142.8	127.2	111.9
-82.5°	196.6	187.3	178.6	170.9	162.6	151.8	140.8	129.5	117.6	105.3	92.1
-85°	154.6	146.8	139.4	132.9	126.1	118.8	110.0	101.2	90.4	77.6	64.2
-87.5°	96.8	90.7	84.4	78.3	72.1	66.0	58.8	51.9	45.3	38.9	32.2
-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°	16.5	14.3	11.5	8.9	5.9	3.0	0.0
85°	33.0	28.5	22.9	17.8	11.9	5.9	0.0
82.5°	49.5	42.7	34.3	26.7	17.8	8.9	0.0
80°	70.9	57.7	45.7	35.5	23.7	11.9	0.0
77.5°	92.7	74.7	57.6	44.2	29.5	14.8	0.0
75°	114.1	91.4	70.4	52.9	35.3	17.7	0.0
72.5°	144.4	107.9	83.0	61.5	41.0	20.5	0.0
70°	177.3	128.8	95.3	70.1	46.6	23.4	0.0
67.5°	209.4	154.4	107.2	78.5	52.2	26.2	0.0
65°	243.4	179.2	122.6	86.8	57.6	28.9	0.0
62.5°	279.7	203.2	140.9	94.8	62.8	31.6	0.0
60°	314.8	228.6	158.6	102.6	67.8	34.3	0.0
57.5°	348.5	255.9	175.5	110.6	72.8	36.9	0.0
55°	389.8	282.1	191.7	122.3	77.5	39.4	0.0
52.5°	429.5	307.1	208.1	133.5	82.0	41.8	0.0
50°	467.6	331.4	227.4	144.1	86.4	44.2	0.0
47.5°	505.6	361.8	245.8	154.1	90.6	46.5	0.0
45°	550.3	390.6	262.6	163.4	94.5	48.7	0.0
42.5°	593.0	417.6	278.0	172.2	98.3	50.8	0.0
40°	633.5	442.9	292.0	179.9	101.8	52.9	0.0
37.5°	671.8	466.3	304.6	186.6	105.1	54.8	0.0
35°	716.8	491.3	318.6	194.3	109.1	56.5	0.0
32.5°	762.9	515.1	332.2	201.8	113.1	58.1	0.0
30°	804.5	536.0	344.1	208.4	116.7	59.5	0.0
27.5°	835.3	554.1	353.7	214.1	120.0	60.8	0.0
25°	859.5	569.4	361.5	218.9	122.9	62.0	0.0
22.5°	878.7	581.2	367.6	222.9	125.4	63.2	0.0
20°	897.2	588.6	372.0	226.0	127.6	64.1	0.0
17.5°	914.7	593.1	374.7	228.5	129.3	65.0	0.0
15°	923.3	596.5	375.8	230.2	130.7	65.8	0.0
12.5°	925.0	598.7	375.0	231.1	131.8	66.5	0.0
10°	920.0	595.4	372.6	231.2	132.5	67.0	0.0
7.5°	904.9	587.2	368.7	230.6	132.8	67.4	0.0
5°	882.9	575.8	363.4	229.3	132.9	67.7	0.0
2.5°	855.9	561.5	356.9	227.2	132.6	67.9	0.0
0°	824.4	544.6	349.3	224.6	132.1	68.0	0.0
-2.5°	788.6	528.7	343.5	222.7	131.8	68.0	0.0
-5°	749.9	510.7	336.7	220.3	131.4	68.0	0.0
-7.5°	709.4	490.9	329.2	217.4	130.6	67.8	0.0
-10°	670.7	469.5	320.9	214.0	129.6	67.4	0.0
-12.5°	639.7	450.4	312.1	210.1	128.3	67.0	0.0
-15°	608.0	434.8	303.5	205.7	126.8	66.5	0.0
-17.5°	575.9	420.3	296.8	201.0	125.1	65.9	0.0
-20°	547.2	406.3	289.6	196.2	123.1	65.1	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	524.5	391.7	281.7	191.9	121.0	64.3	0.0
-25°	501.5	376.7	273.4	187.0	118.6	63.3	0.0
-27.5°	477.7	361.0	264.6	181.8	116.0	62.3	0.0
-30°	452.9	344.7	255.3	176.1	113.2	61.1	0.0
-32.5°	427.1	327.8	245.2	170.1	110.5	59.9	0.0
-35°	400.5	310.3	234.7	163.6	107.6	58.5	0.0
-37.5°	375.2	293.7	224.2	157.4	104.7	57.0	0.0
-40°	352.4	279.5	214.6	152.4	101.9	55.1	0.0
-42.5°	330.7	265.6	204.8	147.3	98.9	53.1	0.0
-45°	310.0	251.9	195.0	142.1	95.7	51.0	0.0
-47.5°	289.3	238.5	185.1	136.6	92.4	48.7	0.0
-50°	274.6	225.4	175.5	131.0	89.0	46.4	0.0
-52.5°	261.2	213.9	166.0	125.2	85.3	44.0	0.0
-55°	248.2	203.0	158.1	119.2	81.6	41.5	0.0
-57.5°	235.5	191.8	150.2	113.0	77.7	38.9	0.0
-60°	221.8	180.3	142.1	106.8	73.6	36.2	0.0
-62.5°	207.7	169.1	133.7	100.4	69.5	33.5	0.0
-65°	193.1	157.9	125.0	93.8	65.2	30.6	0.0
-67.5°	178.0	146.2	115.9	87.0	60.1	27.8	0.0
-70°	162.4	134.0	106.4	80.0	53.8	24.8	0.0
-72.5°	146.4	121.2	96.5	72.8	47.5	21.8	0.0
-75°	130.0	107.9	86.4	64.9	40.9	18.8	0.0
-77.5°	113.5	94.2	76.1	54.3	34.3	15.7	0.0
-80°	96.8	80.3	62.6	43.7	27.5	12.6	0.0
-82.5°	79.0	61.8	47.2	32.9	20.7	9.5	0.0
-85°	52.9	41.3	31.5	22.0	13.9	6.3	0.0
-87.5°	26.5	20.7	15.8	11.0	6.9	3.2	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)