

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: P902105 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/13/2024

Test Information

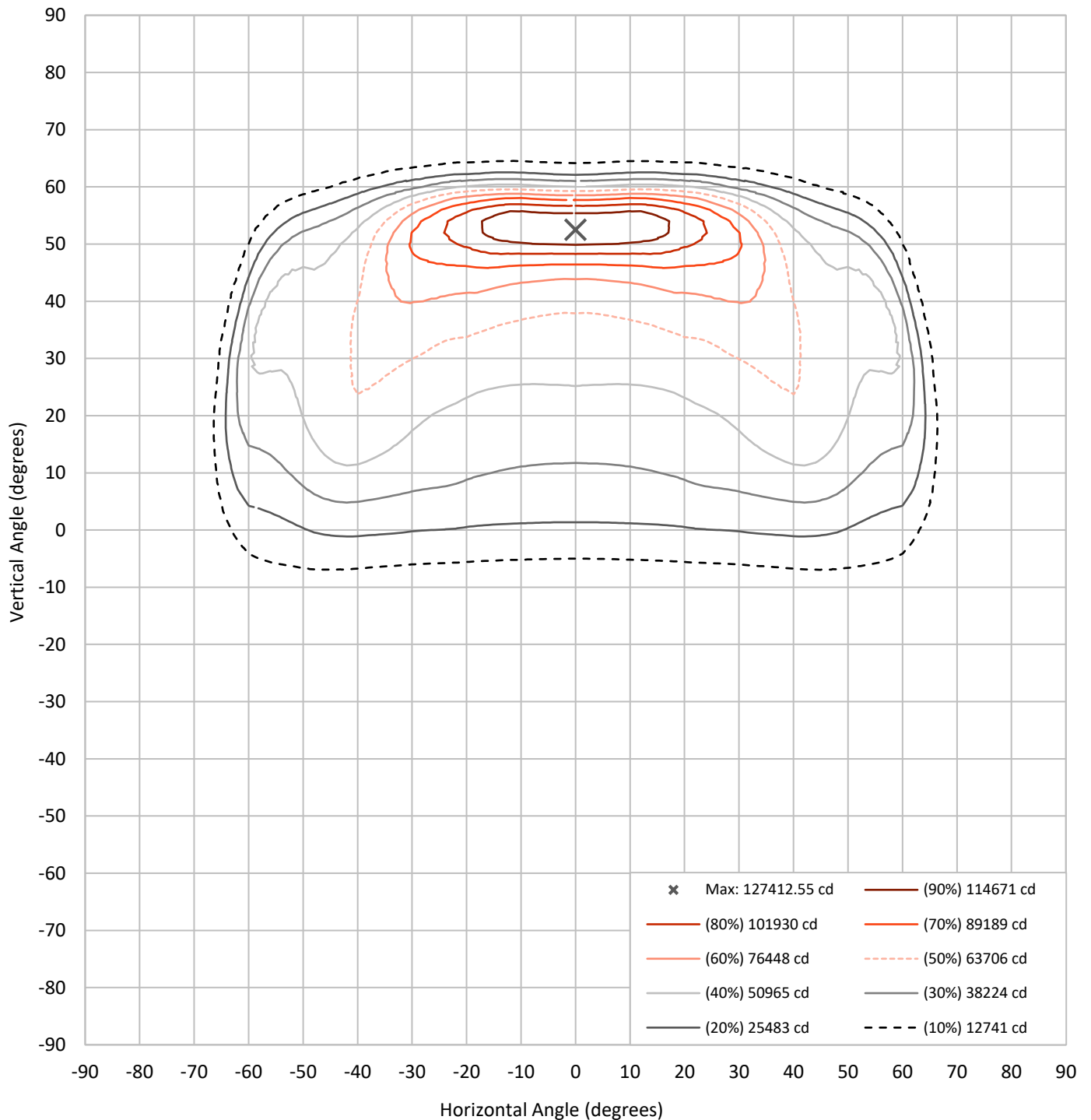
Test Method: LM-79-08
Report Number: P902105 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVA2K02020)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A55-WNB-LO
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A55-WNB-LO OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 4V
Luminaire Lumens:	117458 lumens	Max Intensity:	127412.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 52.5°V
Efficacy:	83.1 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	72.5°H x 21.3°V	Field Angle (10%):	117.3°H x 69.1°V
Beam Lumens:	47114.2 lumens	Field Lumens:	111425.4 lumens
Beam Efficiency:	40.1%	Field Efficiency:	94.9%
Input Watts (W):	1413		
Input Voltage (V):	NR		
Input Current (Ain):	NR		
Voltage Rise (V):	NR		
Power Factor:	NR		
Total Harmonic Distortion (THDi):	NR		
Frequency (hertz):	60		
Stabilization Time:	NR		
Operation Time:	NR		
Ambient Temperature (°C):	NR		
Test Distance:	25 FT		

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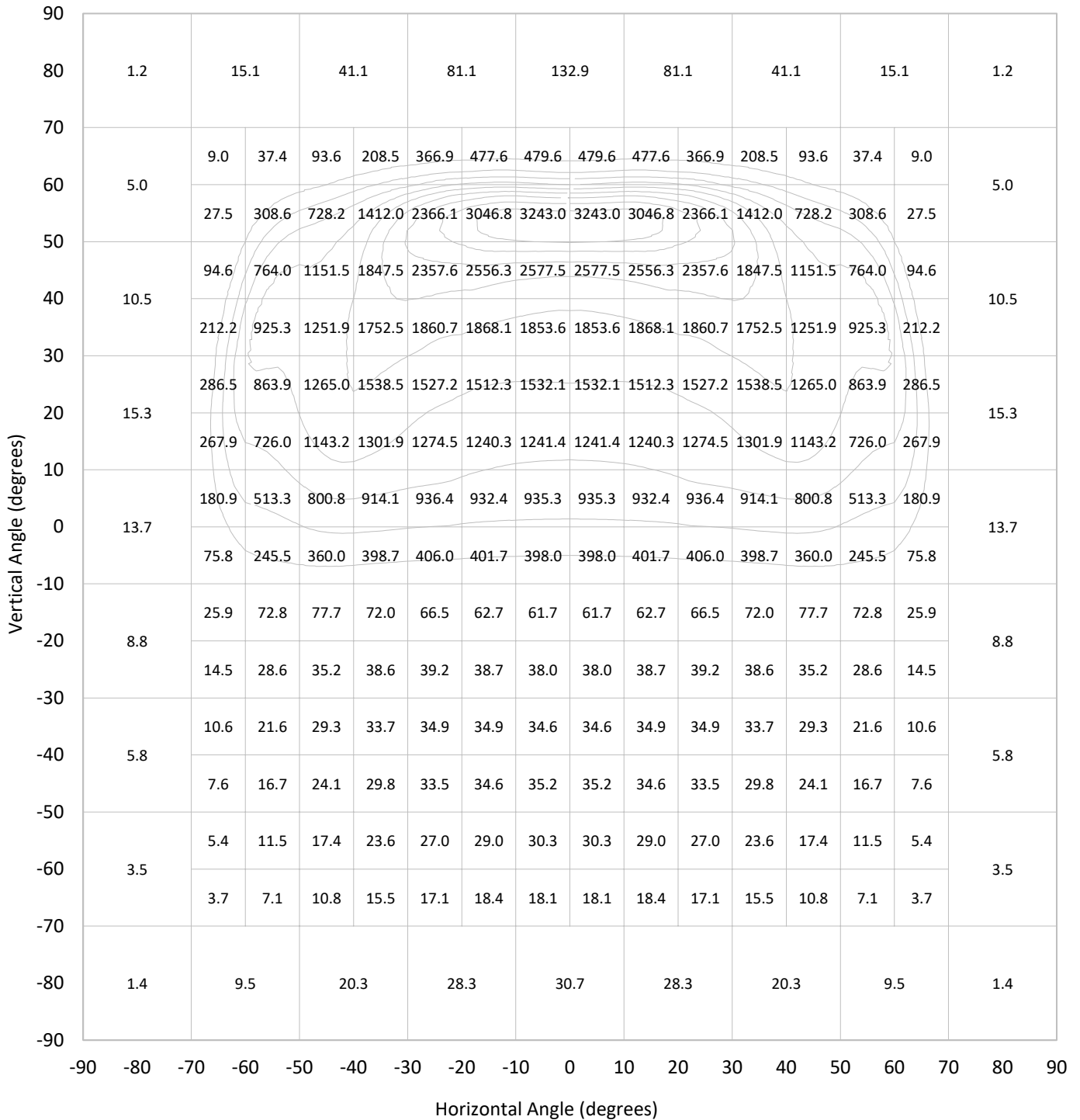
Iso-Candela Plot





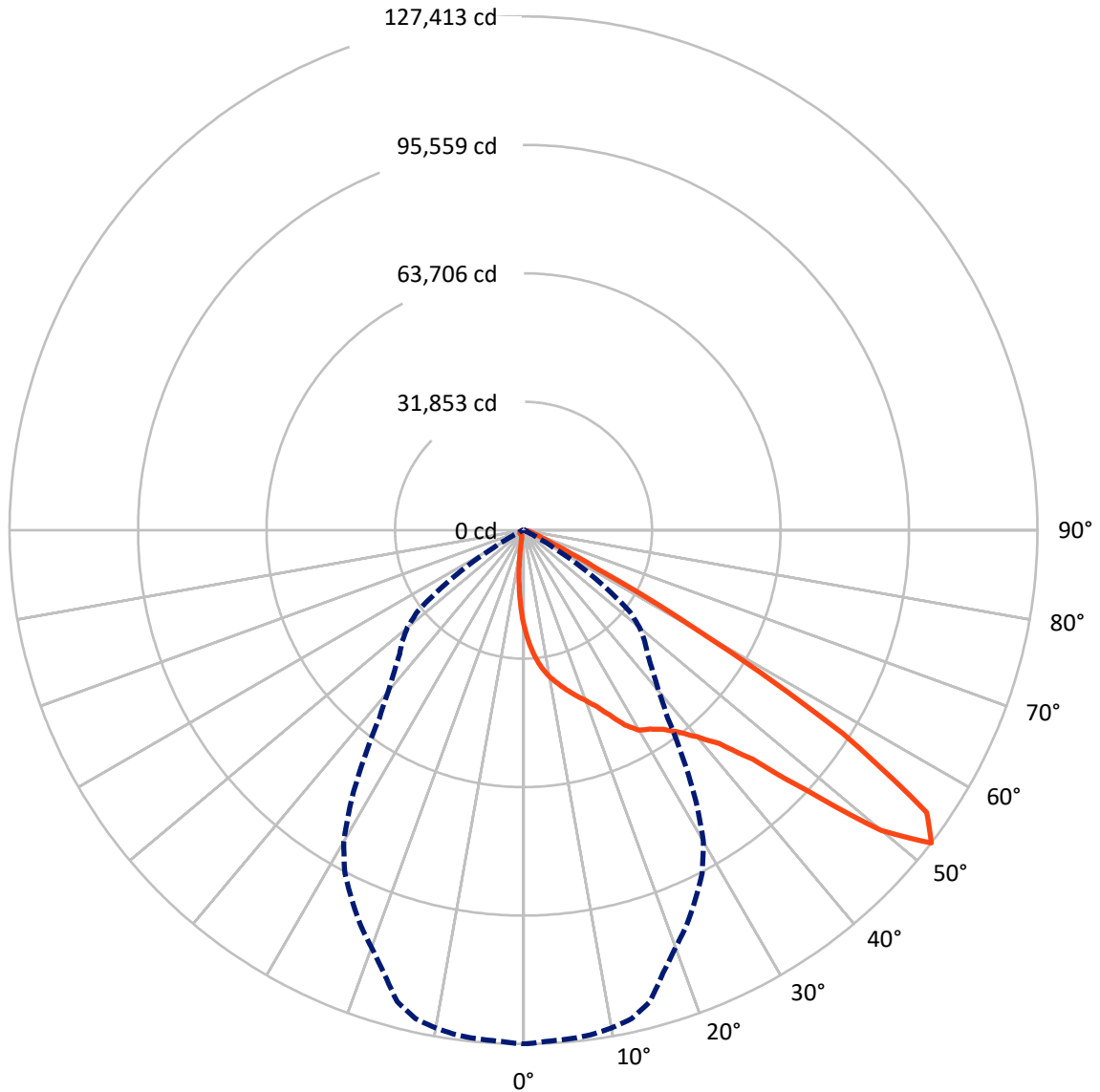
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Lumen Table



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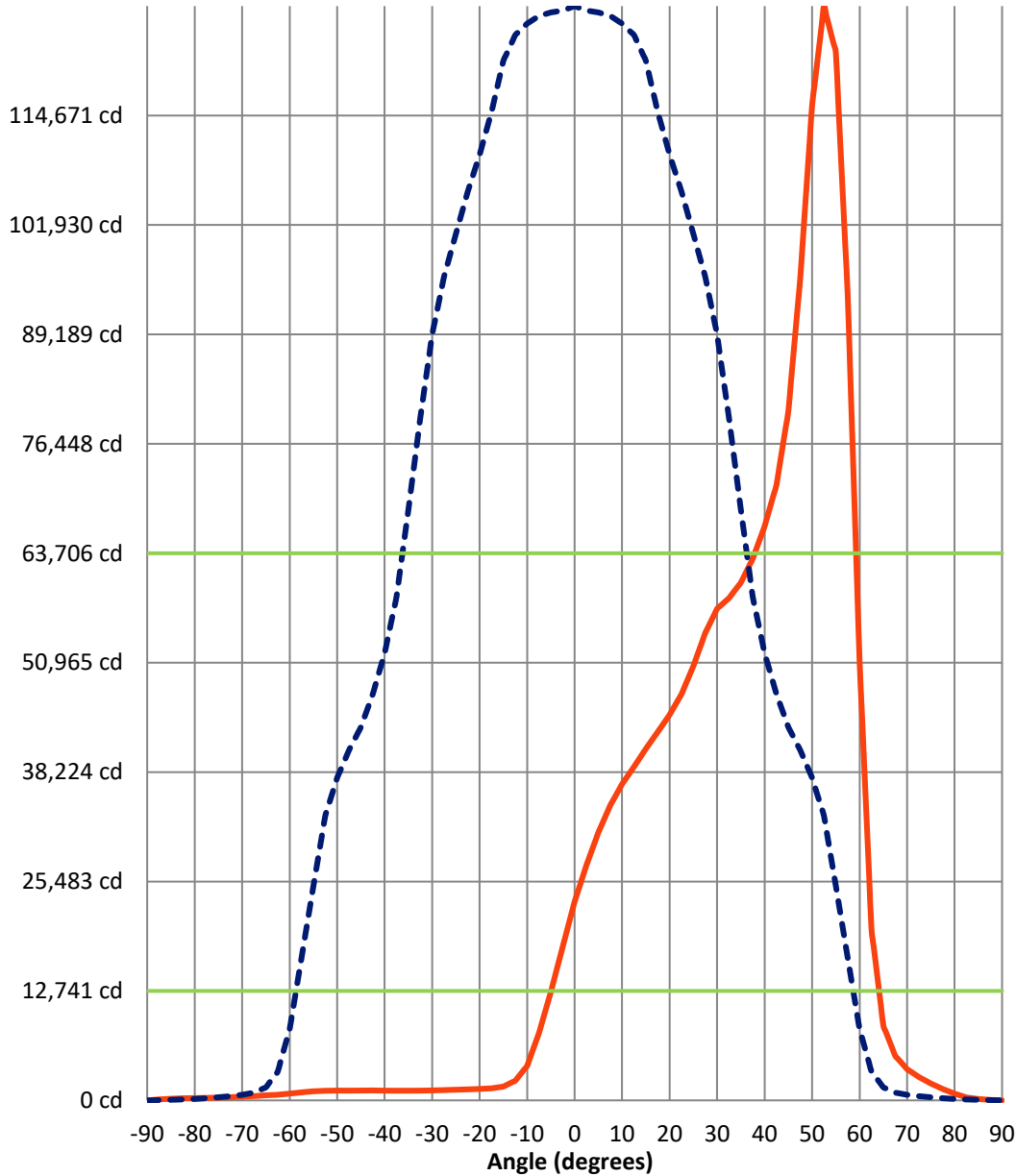
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 52.5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 72.5°
 V Angle: 21.3°
 Lumens: 47114.2
 Efficiency: 40.1%

Field:
 H Angle: 117.3°
 V Angle: 69.1°
 Lumens: 111425.4
 Efficiency: 94.9%

Spill:
 Lumens: 6032.6
 Efficiency: 5.1%

— Vertical Distribution through 0-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	2.5	5.0	7.4	9.5	11.8	14.1	16.4	17.9	20.9	23.1
85°	0.0	5.0	9.9	14.8	19.0	23.6	28.2	32.8	35.8	41.7	47.7
82.5°	0.0	7.4	14.8	22.2	28.4	35.4	42.3	51.2	59.7	72.5	85.8
80°	0.0	9.9	19.7	29.5	37.8	47.8	60.3	73.5	86.6	104.0	126.9
77.5°	0.0	12.3	24.6	36.8	47.8	61.7	78.5	95.5	117.6	147.7	181.4
75°	0.0	14.7	29.4	44.0	58.4	75.5	96.3	124.6	158.9	194.3	244.5
72.5°	0.0	17.1	34.2	51.1	68.9	89.1	120.3	157.4	199.0	254.7	330.3
70°	0.0	19.5	38.9	58.0	79.0	105.7	145.8	189.3	249.1	319.5	418.7
67.5°	0.0	21.8	43.5	64.8	88.9	125.4	170.4	229.7	299.2	389.3	517.9
65°	0.0	24.1	47.8	71.4	101.0	144.6	198.6	270.1	352.1	463.5	620.5
62.5°	0.0	26.4	51.9	77.7	114.7	163.3	230.8	308.8	408.9	536.1	736.0
60°	0.0	28.6	55.8	83.9	127.9	184.7	262.1	353.9	461.7	623.0	852.7
57.5°	0.0	30.7	59.6	90.0	140.4	209.4	292.3	397.3	525.9	703.8	999.8
55°	0.0	32.8	63.4	98.7	152.1	233.0	328.3	439.6	588.9	808.7	1143.4
52.5°	0.0	34.9	66.9	106.9	164.6	255.4	363.0	489.6	647.8	904.6	1520.7
50°	0.0	36.9	70.4	114.8	182.3	277.3	396.1	538.2	722.7	1024.2	1794.3
47.5°	0.0	38.8	73.7	122.3	199.5	303.9	428.7	584.0	788.9	1210.4	2557.1
45°	0.0	40.7	76.8	129.4	215.6	329.2	466.4	634.2	855.4	1362.6	3243.6
42.5°	0.0	42.5	79.8	136.1	230.4	353.0	502.3	689.8	974.2	1631.8	3929.9
40°	0.0	44.2	82.6	142.1	243.8	375.2	536.3	742.7	1075.2	1880.5	5612.6
37.5°	0.0	45.8	85.3	147.5	255.9	395.8	568.0	792.4	1158.1	2082.5	6737.7
35°	0.0	47.2	88.5	154.8	268.4	416.7	603.2	855.2	1279.2	2523.6	8463.1
32.5°	0.0	48.5	91.7	162.1	280.2	436.0	638.9	921.7	1406.5	3068.1	11466.0
30°	0.0	49.7	94.6	168.5	290.5	453.2	671.3	979.3	1500.5	3414.5	13589.3
27.5°	0.0	50.8	97.5	174.0	298.8	468.3	696.4	1028.8	1574.8	3483.0	15006.2
25°	0.0	51.9	100.3	178.7	305.6	481.3	716.3	1070.3	1654.2	4294.6	17549.2
22.5°	0.0	52.8	102.8	182.5	311.0	491.4	732.2	1105.5	1774.1	5343.6	19233.4
20°	0.0	53.7	105.0	185.5	315.1	497.3	747.4	1141.4	1832.7	5837.0	20318.9
17.5°	0.0	54.5	107.0	188.4	317.8	500.7	760.1	1166.4	1873.0	5922.0	20656.4
15°	0.0	55.1	108.7	190.9	319.2	502.8	765.0	1178.9	1882.0	5719.2	20172.6
12.5°	0.0	55.7	110.2	192.5	319.2	503.4	764.5	1179.1	1875.2	5154.0	18917.2
10°	0.0	56.3	111.5	193.4	317.8	500.1	759.1	1170.4	1858.1	5172.8	17295.6
7.5°	0.0	56.7	112.4	193.6	315.1	493.2	747.4	1151.3	1824.2	4996.3	15341.7
5°	0.0	57.0	113.1	193.2	311.2	483.9	730.6	1115.7	1747.4	4553.1	13073.1
2.5°	0.0	57.2	113.6	192.2	306.3	472.4	709.8	1072.4	1646.9	3995.5	10708.1
0°	0.0	57.3	113.8	190.7	300.3	458.8	685.4	1022.6	1534.5	3269.7	8117.6
-2.5°	0.0	57.3	113.6	188.8	295.1	446.2	657.3	955.2	1392.3	2740.5	6321.7
-5°	0.0	57.3	113.1	186.4	289.0	431.9	627.0	884.4	1245.1	2189.6	4493.1
-7.5°	0.0	57.1	112.4	183.7	282.1	416.0	595.2	811.8	1108.2	1781.1	3440.4
-10°	0.0	56.8	111.5	180.6	274.6	398.8	564.7	756.7	1008.0	1479.0	2562.8
-12.5°	0.0	56.4	110.3	177.2	266.5	383.2	539.5	705.8	908.9	1234.4	2013.6
-15°	0.0	56.0	108.9	173.5	258.5	370.0	513.7	655.9	833.4	1135.1	1638.7
-17.5°	0.0	55.4	107.2	169.6	252.1	357.6	487.8	619.5	785.7	1037.1	1409.3
-20°	0.0	54.8	105.4	165.9	245.2	345.6	464.9	592.0	739.0	958.1	1285.2



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	54.1	103.3	162.8	237.9	332.9	446.7	563.9	698.7	890.6	1171.5
-25°	0.0	53.3	101.0	159.3	230.2	320.2	427.9	537.3	662.4	822.9	1082.8
-27.5°	0.0	52.4	98.5	155.4	222.3	307.0	408.3	512.6	628.9	771.5	995.9
-30°	0.0	51.4	95.8	151.3	214.1	293.1	387.9	486.8	596.3	732.3	927.9
-32.5°	0.0	50.4	93.3	146.8	205.5	278.5	366.4	459.8	564.0	690.0	861.0
-35°	0.0	49.3	90.6	141.9	196.7	263.2	344.2	432.4	530.0	646.2	792.3
-37.5°	0.0	48.0	87.9	137.0	188.2	249.1	322.8	405.5	496.2	603.8	730.8
-40°	0.0	46.4	85.6	132.3	181.0	237.7	303.7	379.5	464.1	562.1	675.9
-42.5°	0.0	44.7	83.2	127.5	173.7	226.3	285.1	353.3	431.4	519.7	620.6
-45°	0.0	42.9	80.5	122.8	166.1	214.9	266.5	327.2	398.3	480.0	574.8
-47.5°	0.0	41.1	77.8	117.9	158.3	203.6	247.6	305.0	370.6	443.2	529.5
-50°	0.0	39.1	74.8	112.8	150.7	192.4	234.7	285.1	343.8	405.4	484.7
-52.5°	0.0	37.1	71.7	107.7	143.2	183.2	223.8	265.3	317.2	374.9	443.5
-55°	0.0	35.0	68.5	102.5	136.5	174.3	213.8	246.6	295.6	346.0	400.7
-57.5°	0.0	32.8	65.1	97.2	129.8	164.9	204.4	235.7	273.9	317.2	366.7
-60°	0.0	30.5	61.7	91.9	122.8	154.9	191.5	224.2	253.6	294.2	332.5
-62.5°	0.0	28.2	58.0	86.4	115.4	145.0	178.1	212.1	239.3	271.1	304.7
-65°	0.0	25.8	54.3	80.7	107.9	135.3	164.2	195.4	223.7	250.5	278.6
-67.5°	0.0	23.4	49.9	74.9	100.0	125.2	150.7	178.4	205.7	230.8	256.4
-70°	0.0	20.9	44.7	68.8	91.8	114.7	137.6	161.2	186.9	211.0	235.2
-72.5°	0.0	18.4	39.4	62.7	83.5	104.0	124.2	145.0	168.1	190.5	212.4
-75°	0.0	15.9	34.0	55.8	75.0	93.0	110.5	128.4	149.3	169.2	188.8
-77.5°	0.0	13.3	28.4	46.8	66.4	81.8	97.0	111.7	130.1	146.8	163.7
-80°	0.0	10.6	22.8	37.6	54.8	70.5	83.3	95.1	110.8	124.1	137.7
-82.5°	0.0	8.0	17.2	28.3	41.2	54.4	68.6	78.4	91.1	101.1	112.0
-85°	0.0	5.3	11.5	18.9	27.6	36.4	45.8	54.6	66.7	76.5	86.3
-87.5°	0.0	2.7	5.7	9.5	13.8	18.2	23.0	27.4	33.4	38.3	44.2
-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):

	-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°	26.2	30.7	34.2	37.8	40.2	42.4	43.1	45.1	45.3	47.0	48.7
85°	57.1	69.3	81.3	91.3	95.6	99.2	103.6	106.9	109.0	110.9	111.9
82.5°	100.8	119.8	140.7	159.7	169.4	180.0	188.8	189.9	189.2	188.7	188.0
80°	156.2	187.0	220.7	246.3	263.5	283.7	297.0	305.2	318.1	323.1	326.5
77.5°	221.3	266.8	319.3	358.2	386.7	402.5	434.1	459.7	477.7	484.0	502.4
75°	316.3	385.7	438.4	499.8	544.5	582.2	622.3	656.7	684.4	703.1	724.7
72.5°	418.5	518.3	607.1	679.5	735.4	794.2	849.7	895.4	959.2	994.6	1009.8
70°	542.4	661.3	788.8	886.4	952.7	1027.0	1105.1	1193.1	1312.3	1388.3	1438.8
67.5°	670.0	846.5	990.3	1154.5	1219.6	1322.5	1484.6	1612.6	1835.4	2040.6	2095.9
65°	829.1	1067.5	1401.8	1523.2	1839.0	1929.0	2406.4	2654.9	2986.6	3687.3	4041.5
62.5°	1000.7	1398.7	2099.4	2772.1	3288.9	4133.2	4654.3	5790.1	6294.6	8667.4	10448.2
60°	1207.1	2066.9	3468.9	5254.7	6583.2	8782.1	10063.9	12629.8	15351.0	18905.8	23003.4
57.5°	1616.3	3157.9	6173.9	8914.1	13558.6	16460.5	20043.2	23268.6	27560.7	32510.1	38314.6
55°	2317.6	5469.9	9648.4	16487.3	22535.2	27750.5	31054.6	35147.9	39230.1	45244.2	50901.0
52.5°	3367.8	8308.4	16598.8	24967.9	33133.8	37555.7	40779.0	43462.7	47305.0	52076.7	58639.7
50°	5058.2	12726.2	23617.8	34568.5	41475.7	45340.4	47165.9	48413.5	51682.8	55896.7	63269.3
47.5°	6751.8	17229.7	31797.7	42068.3	48068.5	49866.0	49856.1	51077.8	53788.2	58553.7	66915.6
45°	9767.8	23435.8	38863.5	48627.1	51940.8	51681.1	51195.5	52295.8	55036.7	60247.4	68824.4
42.5°	12121.7	30022.1	45018.5	52521.6	54028.5	52575.5	52230.6	53722.0	56488.4	62002.5	69447.2
40°	17118.1	35952.9	50438.5	55922.8	54379.2	53211.7	53490.3	55019.6	57875.7	63789.0	70249.7
37.5°	21727.5	41676.3	53321.9	55677.8	54420.2	53696.2	54434.6	56102.3	59676.2	65562.7	70980.3
35°	25900.0	46652.6	55908.6	55124.7	53707.5	53904.9	55292.8	57170.0	61066.3	66320.8	70681.7
32.5°	30473.8	48694.1	54734.3	53827.5	53228.5	54014.1	55682.8	57777.2	61518.9	65983.6	69178.8
30°	34493.9	50190.3	53684.0	51928.5	52185.4	53836.5	55861.6	58000.4	61890.6	65550.5	67360.9
27.5°	36828.3	50065.5	51492.8	50292.4	51341.3	53506.8	55958.8	58583.4	62159.3	64993.4	65735.2
25°	37109.4	47756.0	48993.6	48555.7	50313.8	53013.5	55831.8	58933.4	62330.2	64447.8	63951.0
22.5°	37004.8	45798.2	46228.3	46591.2	49014.5	52277.2	55497.7	58748.2	61805.4	62972.0	61883.0
20°	36524.9	43814.2	43895.8	44815.1	47649.7	51192.0	54738.0	58212.5	60939.9	61529.5	59777.4
17.5°	35312.9	41113.6	41603.3	42863.5	45844.5	49693.6	53390.8	56851.3	59043.7	59078.8	57387.4
15°	33120.2	38470.8	39189.1	40666.0	43634.1	47603.2	51283.1	54608.3	56485.2	56339.6	54590.2
12.5°	30654.2	35868.9	36694.7	38171.7	41150.1	44862.7	48449.8	51497.9	53156.4	52785.0	51250.5
10°	28055.9	33010.5	33861.8	35480.8	38233.2	41641.4	44994.2	47549.7	48746.6	48413.9	47212.6
7.5°	25009.0	29942.2	30929.7	32438.4	34925.0	38022.8	40988.5	42965.5	43903.8	43518.9	42595.1
5°	21722.3	26596.4	27481.8	28955.1	31214.6	33987.1	36425.2	37999.9	38717.6	38393.4	37655.7
2.5°	18089.9	22912.5	23916.6	25236.6	27163.2	29562.6	31632.8	32782.9	33370.0	33152.8	32602.7
0°	14268.0	19038.5	20250.4	21312.1	22844.8	24832.6	26711.1	27555.8	28042.7	27837.9	27395.5
-2.5°	11023.7	15155.2	16495.4	17348.3	18455.5	19859.2	21463.1	22230.0	22528.2	22378.1	21997.8
-5°	7822.3	11461.6	13023.8	13772.3	14481.8	15311.2	16234.7	16658.5	16809.6	16537.1	16139.7
-7.5°	5916.4	8526.8	9933.5	10576.2	10927.7	11258.1	11552.6	11466.0	11322.7	10985.1	10446.4
-10°	4169.8	6204.6	7476.7	7848.6	7803.4	7827.9	7745.1	7415.7	7122.6	6729.2	6316.2
-12.5°	3190.3	4500.1	5345.3	5672.1	5458.9	5146.3	4984.5	4587.9	4303.2	3977.2	3720.0
-15°	2352.1	3362.5	3916.1	3938.7	3805.0	3439.3	3250.6	3010.9	2786.3	2565.3	2410.7
-17.5°	1917.1	2499.7	2898.1	2895.0	2693.8	2528.2	2334.0	2231.2	2096.1	1993.1	1920.1
-20°	1616.7	2015.3	2184.5	2217.8	2097.8	2012.8	1925.7	1897.0	1827.3	1793.9	1752.0



REPORT NUMBER: P902105 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WNB-LO

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1465.0	1679.0	1819.5	1763.8	1801.3	1743.0	1744.2	1730.5	1714.8	1679.3	1642.7
-25°	1336.5	1509.9	1565.5	1593.3	1599.8	1609.4	1621.0	1629.1	1609.2	1605.8	1561.3
-27.5°	1239.7	1379.2	1447.9	1461.0	1475.6	1512.8	1531.2	1544.6	1547.5	1523.7	1497.3
-30°	1144.5	1286.0	1349.6	1380.9	1403.0	1439.9	1467.2	1470.3	1486.0	1465.5	1456.3
-32.5°	1052.7	1188.8	1274.9	1307.9	1348.7	1377.5	1402.1	1421.7	1430.3	1434.4	1412.6
-35°	967.2	1098.5	1209.6	1243.2	1284.1	1321.6	1345.4	1366.5	1386.3	1391.6	1378.7
-37.5°	885.2	1009.8	1121.4	1181.6	1219.0	1268.2	1301.3	1316.6	1334.6	1339.7	1332.8
-40°	804.5	927.0	1032.6	1118.4	1172.1	1211.2	1240.8	1250.2	1270.0	1266.3	1280.4
-42.5°	731.1	852.8	955.5	1042.4	1124.5	1140.5	1177.3	1188.4	1204.5	1212.7	1225.3
-45°	675.7	778.9	877.1	963.3	1038.9	1070.9	1112.3	1129.8	1143.2	1160.8	1169.0
-47.5°	621.5	710.2	800.7	883.0	954.6	1004.3	1030.3	1062.7	1080.0	1103.8	1126.3
-50°	569.2	651.6	727.9	809.0	875.7	911.6	945.3	988.8	1001.7	1043.0	1056.5
-52.5°	516.8	593.2	663.9	729.5	792.5	833.8	867.5	894.0	924.3	960.5	975.9
-55°	467.7	536.7	605.2	659.9	708.0	757.9	782.7	808.4	828.3	857.5	897.2
-57.5°	419.3	481.1	543.9	593.3	633.9	669.6	696.7	719.6	734.3	774.3	821.7
-60°	377.5	425.5	484.5	532.8	564.2	592.9	614.4	635.3	665.7	703.8	753.5
-62.5°	339.1	377.0	425.5	471.5	498.3	520.1	540.7	559.8	586.0	626.7	678.4
-65°	308.9	335.2	376.1	407.4	430.6	449.7	472.3	492.3	511.6	545.0	596.7
-67.5°	282.6	306.0	329.5	355.4	369.7	388.9	410.4	433.0	454.2	475.7	517.8
-70°	258.6	278.0	294.0	307.8	317.5	335.4	352.6	369.1	386.5	408.9	439.4
-72.5°	234.8	251.6	261.6	265.4	274.3	286.9	298.8	308.4	321.4	334.0	340.2
-75°	207.1	222.7	233.0	236.9	242.6	247.7	256.3	267.1	273.8	280.2	281.2
-77.5°	178.5	191.2	201.6	209.0	218.3	227.0	235.3	242.5	246.4	249.6	248.3
-80°	149.7	161.3	170.9	181.0	194.6	202.6	212.0	220.4	226.9	232.7	234.4
-82.5°	121.2	131.7	140.5	149.9	160.2	168.3	178.5	188.6	196.4	201.8	209.5
-85°	93.1	101.3	106.6	113.7	121.1	127.7	134.6	143.4	151.5	157.8	162.6
-87.5°	49.4	55.7	59.9	65.2	70.6	76.1	80.0	83.7	88.9	90.7	95.7
-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: P902105 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WNB-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°	48.8	50.7	52.3	53.8	53.7	54.8	53.9	54.5	55.0	54.3	54.1
85°	114.7	117.5	120.0	124.0	127.2	128.2	126.2	128.7	130.8	133.6	130.1
82.5°	196.6	205.0	213.0	228.2	230.4	227.2	224.0	233.1	253.8	272.8	274.6
80°	334.9	344.6	368.7	407.9	413.4	409.4	422.0	466.0	529.9	611.9	685.0
77.5°	523.7	547.5	595.5	639.3	653.8	666.3	707.7	777.5	886.3	1003.6	1151.1
75°	752.0	788.9	842.3	890.2	926.1	973.9	1072.5	1219.9	1366.5	1512.0	1680.3
72.5°	1044.1	1087.3	1142.4	1209.7	1284.0	1379.9	1547.5	1761.2	1962.2	2150.8	2355.2
70°	1477.9	1524.8	1613.8	1716.5	1847.7	2125.0	2414.1	2679.9	2900.1	3100.0	3310.1
67.5°	2220.8	2471.4	2711.0	2958.9	3471.1	3969.3	4285.6	4452.6	4551.0	4658.9	4876.7
65°	4657.9	5531.8	6092.6	6612.3	7951.8	8731.8	9024.1	8922.7	8928.0	9123.4	9082.2
62.5°	11865.5	14097.4	15236.7	16755.2	19587.1	20888.2	20752.3	21168.4	22920.7	23050.7	22501.7
60°	26432.6	30842.3	34800.2	39061.0	44701.2	49666.6	52499.4	54726.3	56396.9	56797.0	56223.1
57.5°	44629.9	51852.6	60200.2	68016.0	75854.5	83223.9	87758.3	91729.0	95252.9	97967.9	98283.9
55°	59204.0	69304.9	80311.4	88980.1	96262.8	103871.1	107951.7	113103.3	118653.6	123481.2	123162.8
52.5°	68783.1	79455.5	89142.3	95898.1	100885.1	105817.8	110120.1	115093.7	121048.2	124043.0	125373.6
50°	74255.6	83712.5	90503.0	94684.9	98126.9	100987.6	103951.3	107743.0	111387.4	112627.2	113577.4
47.5°	76296.9	83423.2	88076.5	90420.9	92148.3	93384.7	94489.9	96413.1	97663.8	96701.8	96316.7
45°	76027.2	80630.9	82988.9	84233.3	84731.0	84924.7	84752.4	85364.2	84693.7	82887.2	81719.3
42.5°	74876.3	77706.3	78841.6	79639.9	79697.5	78892.7	78437.0	78529.0	76769.1	75047.2	73982.7
40°	74600.6	76438.8	76720.7	76372.2	75299.1	73965.2	73661.2	73091.8	71216.2	69864.1	68800.4
37.5°	74220.6	74915.8	74017.7	72215.2	70310.9	69449.6	69300.1	68258.2	66485.4	65500.3	64592.0
35°	72459.7	71785.5	70774.0	68443.9	66528.1	65664.9	65418.0	64101.9	62823.1	62050.9	61345.6
32.5°	69195.8	68376.7	66994.7	65344.4	63348.0	62340.0	62013.6	60758.1	59876.5	59303.6	58856.4
30°	66750.2	65388.8	63827.1	62344.3	60607.0	59550.3	59037.6	57861.1	57127.7	56736.8	56475.4
27.5°	64424.9	62654.0	60787.0	59269.8	57842.0	56981.9	56109.5	54901.3	54210.3	53792.4	53576.9
25°	62122.0	60055.7	57942.0	56387.2	54993.1	54157.7	53113.6	51799.3	51090.9	50577.6	50338.3
22.5°	59840.1	57617.5	55467.0	53720.3	52427.9	51582.3	50189.7	48966.1	48266.1	47708.4	47466.1
20°	57633.5	55356.4	53197.2	51460.7	50130.1	49189.6	47635.1	46540.1	45935.4	45424.8	45061.5
17.5°	55329.7	53124.8	51070.7	49436.5	48224.0	47306.1	45613.2	44518.2	43902.0	43458.5	43110.5
15°	52740.6	50761.5	48910.7	47442.6	46470.5	45491.7	43853.3	42751.3	42095.8	41658.1	41334.8
12.5°	49695.5	47948.7	46407.4	45061.8	44358.3	43547.3	41951.4	40868.7	40242.1	39730.3	39419.4
10°	45907.2	44582.2	43301.3	42271.8	41704.6	40951.9	39618.8	38690.5	38094.1	37641.8	37296.6
7.5°	41563.0	40524.6	39567.7	38797.6	38377.6	37718.4	36703.7	35968.9	35389.3	35031.7	34757.5
5°	36891.6	36061.1	35261.0	34638.8	34355.1	33874.5	33020.0	32458.8	32108.4	31765.1	31543.1
2.5°	32006.7	31368.7	30833.0	30227.1	29953.7	29647.3	28884.6	28445.6	28134.8	27912.1	27799.0
0°	27050.6	26566.4	25950.2	25568.4	25340.5	25168.4	24543.1	24132.7	23827.8	23597.9	23412.7
-2.5°	21644.1	21252.8	20753.1	20431.7	20186.7	20038.6	19471.1	19069.6	18769.5	18531.6	18355.9
-5°	15790.9	15434.5	15008.3	14687.6	14491.8	14379.7	13980.9	13655.7	13431.0	13202.8	13042.7
-7.5°	10078.4	9815.3	9408.4	9217.2	8949.5	8786.5	8594.6	8342.8	8195.0	8089.3	8013.3
-10°	6087.5	5736.6	5502.8	5304.6	5081.4	4951.2	4755.3	4544.5	4467.4	4402.8	4363.6
-12.5°	3481.0	3311.2	3083.7	2897.0	2739.0	2652.2	2584.1	2471.1	2390.6	2367.1	2320.0
-15°	2273.5	2187.9	2089.0	1984.6	1874.6	1803.8	1755.2	1718.1	1668.0	1631.3	1595.3
-17.5°	1864.6	1823.7	1777.2	1711.7	1630.3	1582.9	1546.2	1522.0	1491.6	1463.0	1432.0
-20°	1699.5	1684.5	1670.5	1615.5	1545.2	1497.2	1470.6	1443.1	1419.8	1392.2	1366.4



REPORT NUMBER: P902105 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WNB-LO

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1604.7	1589.3	1580.6	1534.4	1476.2	1440.7	1411.8	1389.1	1367.8	1340.3	1316.0
-25°	1537.8	1506.9	1496.8	1457.6	1413.3	1379.9	1362.5	1340.9	1317.1	1289.5	1269.7
-27.5°	1471.7	1442.7	1416.5	1388.4	1349.0	1325.6	1309.6	1291.1	1271.9	1249.7	1231.7
-30°	1434.4	1382.9	1360.1	1326.7	1299.7	1281.9	1263.9	1246.0	1227.9	1209.5	1193.3
-32.5°	1388.9	1335.3	1335.6	1300.3	1267.8	1242.9	1226.7	1208.4	1194.6	1176.2	1161.3
-35°	1351.6	1342.9	1295.6	1296.6	1268.3	1233.4	1207.1	1190.4	1175.6	1163.2	1150.5
-37.5°	1329.9	1328.9	1304.6	1282.7	1256.0	1239.6	1215.7	1187.7	1170.5	1160.0	1145.9
-40°	1288.5	1286.3	1291.4	1267.8	1256.4	1219.6	1208.0	1183.7	1170.6	1169.2	1161.7
-42.5°	1234.0	1257.7	1265.1	1242.5	1228.6	1220.0	1209.7	1177.9	1175.1	1174.1	1177.2
-45°	1186.6	1222.0	1239.9	1233.1	1233.8	1231.0	1189.6	1184.7	1184.8	1178.5	1179.5
-47.5°	1146.7	1181.8	1213.7	1203.2	1218.1	1200.9	1184.9	1176.3	1191.5	1185.0	1189.9
-50°	1117.0	1136.1	1164.5	1140.9	1149.5	1151.1	1147.1	1153.2	1154.0	1147.8	1158.1
-52.5°	1033.6	1070.2	1083.7	1074.6	1067.9	1076.8	1072.3	1075.8	1091.3	1093.9	1101.3
-55°	967.6	997.1	989.3	977.1	984.6	985.3	991.1	986.0	985.4	994.5	1010.1
-57.5°	890.4	915.5	905.6	896.7	888.8	884.2	891.0	892.9	898.4	892.2	899.9
-60°	810.0	832.5	824.0	794.5	784.5	781.2	799.8	793.3	803.2	812.1	800.2
-62.5°	724.4	730.0	718.2	688.3	687.0	688.8	700.3	715.9	722.2	716.7	703.5
-65°	638.5	639.9	627.0	605.2	621.2	618.3	628.9	637.1	624.3	621.1	623.1
-67.5°	558.8	564.4	552.1	542.1	533.6	529.8	538.9	543.7	532.7	527.9	523.4
-70°	463.3	475.2	469.5	462.9	460.3	455.9	453.9	455.4	457.2	456.3	448.9
-72.5°	353.8	374.0	376.9	373.1	374.9	377.5	379.3	383.2	387.2	385.1	380.0
-75°	289.5	302.8	305.7	307.6	312.8	316.0	323.0	330.4	333.8	333.8	333.0
-77.5°	253.7	263.4	266.0	266.3	268.6	269.7	274.7	277.4	280.0	282.9	286.1
-80°	239.0	245.7	247.5	247.9	249.4	248.6	252.2	251.5	251.5	253.6	257.4
-82.5°	216.1	223.6	227.3	226.9	232.2	234.1	237.0	236.6	235.1	236.4	239.1
-85°	166.2	171.5	175.0	175.7	181.0	185.4	187.8	188.1	186.3	186.9	188.9
-87.5°	98.1	100.2	103.8	105.4	107.2	109.0	111.9	112.7	112.9	113.7	114.4
-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: P902105 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WNB-LO

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	55.8	55.3	52.7	56.9	52.7	55.3	55.8	54.1	54.3	55.0	54.5
85°	144.6	137.7	142.7	162.1	142.7	137.7	144.6	130.1	133.6	130.8	128.7
82.5°	303.1	323.1	340.0	344.9	340.0	323.1	303.1	274.6	272.8	253.8	233.1
80°	764.5	783.6	788.1	784.6	788.1	783.6	764.5	685.0	611.9	529.9	466.0
77.5°	1254.8	1307.3	1317.6	1327.5	1317.6	1307.3	1254.8	1151.1	1003.6	886.3	777.5
75°	1823.5	1881.9	1909.4	1966.8	1909.4	1881.9	1823.5	1680.3	1512.0	1366.5	1219.9
72.5°	2522.9	2590.4	2642.7	2715.4	2642.7	2590.4	2522.9	2355.2	2150.8	1962.2	1761.2
70°	3504.9	3579.4	3617.2	3638.8	3617.2	3579.4	3504.9	3310.1	3100.0	2900.1	2679.9
67.5°	5040.4	5105.2	5152.4	5191.1	5152.4	5105.2	5040.4	4876.7	4658.9	4551.0	4452.6
65°	8985.7	8846.0	8750.6	8710.2	8750.6	8846.0	8985.7	9082.2	9123.4	8928.0	8922.7
62.5°	21674.1	20810.4	20212.7	20041.1	20212.7	20810.4	21674.1	22501.7	23050.7	22920.7	21168.4
60°	54590.7	52840.9	51571.9	51150.5	51571.9	52840.9	54590.7	56223.1	56797.0	56396.9	54726.3
57.5°	96346.9	94720.1	93769.8	93752.4	93769.8	94720.1	96346.9	98283.9	97967.9	95252.9	91729.0
55°	122554.2	122044.5	121774.6	122009.5	121774.6	122044.5	122554.2	123162.8	123481.2	118653.6	113103.3
52.5°	126277.0	126675.3	126899.6	127412.6	126899.6	126675.3	126277.0	125373.6	124043.0	121048.2	115093.7
50°	114561.2	114919.7	115238.8	115827.7	115238.8	114919.7	114561.2	113577.4	112627.2	111387.4	107743.0
47.5°	96149.2	95679.8	95352.1	95692.4	95352.1	95679.8	96149.2	96316.7	96701.8	97663.8	96413.1
45°	81292.7	80606.3	80072.0	80252.6	80072.0	80606.3	81292.7	81719.3	82887.2	84693.7	85364.2
42.5°	73174.3	72347.8	71731.7	71666.2	71731.7	72347.8	73174.3	73982.7	75047.2	76769.1	78529.0
40°	67968.6	67218.6	66603.1	66850.6	66603.1	67218.6	67968.6	68800.4	69864.1	71216.2	73091.8
37.5°	63880.5	63366.6	62987.8	63054.4	62987.8	63366.6	63880.5	64592.0	65500.3	66485.4	68258.2
35°	60866.6	60519.3	60248.9	60288.5	60248.9	60519.3	60866.6	61345.6	62050.9	62823.1	64101.9
32.5°	58578.7	58424.1	58299.5	58480.9	58299.5	58424.1	58578.7	58856.4	59303.6	59876.5	60758.1
30°	56387.4	56596.5	56725.1	57241.2	56725.1	56596.5	56387.4	56475.4	56736.8	57127.7	57861.1
27.5°	53576.5	53886.0	54009.5	54411.2	54009.5	53886.0	53576.5	53576.9	53792.4	54210.3	54901.3
25°	50166.5	50309.1	50391.7	50571.7	50391.7	50309.1	50166.5	50338.3	50577.6	51090.9	51799.3
22.5°	47235.7	47201.7	47243.8	47297.4	47243.8	47201.7	47235.7	47466.1	47708.4	48266.1	48966.1
20°	44845.8	44720.6	44800.6	44899.6	44800.6	44720.6	44845.8	45061.5	45424.8	45935.4	46540.1
17.5°	42862.0	42755.5	42840.0	42899.1	42840.0	42755.5	42862.0	43110.5	43458.5	43902.0	44518.2
15°	41047.6	40915.0	40990.4	40939.5	40990.4	40915.0	41047.6	41334.8	41658.1	42095.8	42751.3
12.5°	39159.9	38942.5	38954.5	38839.3	38954.5	38942.5	39159.9	39419.4	39730.3	40242.1	40868.7
10°	37094.4	36937.0	36832.0	36828.4	36832.0	36937.0	37094.4	37296.6	37641.8	38094.1	38690.5
7.5°	34567.8	34486.2	34341.0	34347.7	34341.0	34486.2	34567.8	34757.5	35031.7	35389.3	35968.9
5°	31422.9	31289.8	31167.7	31193.6	31167.7	31289.8	31422.9	31543.1	31765.1	32108.4	32458.8
2.5°	27632.3	27497.5	27423.4	27404.6	27423.4	27497.5	27632.3	27799.0	27912.1	28134.8	28445.6
0°	23295.8	23218.0	23174.3	23137.9	23174.3	23218.0	23295.8	23412.7	23597.9	23827.8	24132.7
-2.5°	18216.9	18093.2	17996.2	17908.6	17996.2	18093.2	18216.9	18355.9	18531.6	18769.5	19069.6
-5°	12974.8	12710.8	12710.7	12640.2	12710.7	12710.8	12974.8	13042.7	13202.8	13431.0	13655.7
-7.5°	7835.3	7886.2	7856.7	7853.7	7856.7	7886.2	7835.3	8013.3	8089.3	8195.0	8342.8
-10°	4307.9	4293.1	4145.1	4015.6	4145.1	4293.1	4307.9	4363.6	4402.8	4467.4	4544.5
-12.5°	2351.5	2340.4	2331.5	2289.0	2331.5	2340.4	2351.5	2320.0	2367.1	2390.6	2471.1
-15°	1606.1	1589.9	1615.2	1607.4	1615.2	1589.9	1606.1	1595.3	1631.3	1668.0	1718.1
-17.5°	1420.7	1406.8	1406.5	1402.1	1406.5	1406.8	1420.7	1432.0	1463.0	1491.6	1522.0
-20°	1350.5	1340.8	1336.4	1332.5	1336.4	1340.8	1350.5	1366.4	1392.2	1419.8	1443.1



REPORT NUMBER: P902105 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WNB-LO

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1300.5	1291.5	1286.8	1282.0	1286.8	1291.5	1300.5	1316.0	1340.3	1367.8	1389.1
-25°	1256.6	1246.8	1242.5	1239.6	1242.5	1246.8	1256.6	1269.7	1289.5	1317.1	1340.9
-27.5°	1215.8	1204.9	1196.7	1197.3	1196.7	1204.9	1215.8	1231.7	1249.7	1271.9	1291.1
-30°	1178.4	1164.3	1158.6	1157.7	1158.6	1164.3	1178.4	1193.3	1209.5	1227.9	1246.0
-32.5°	1151.6	1140.1	1135.7	1134.5	1135.7	1140.1	1151.6	1161.3	1176.2	1194.6	1208.4
-35°	1139.5	1131.5	1125.8	1125.0	1125.8	1131.5	1139.5	1150.5	1163.2	1175.6	1190.4
-37.5°	1140.6	1131.6	1127.3	1126.3	1127.3	1131.6	1140.6	1145.9	1160.0	1170.5	1187.7
-40°	1150.1	1139.3	1132.1	1128.6	1132.1	1139.3	1150.1	1161.7	1169.2	1170.6	1183.7
-42.5°	1176.8	1164.6	1158.2	1157.7	1158.2	1164.6	1176.8	1177.2	1174.1	1175.1	1177.9
-45°	1183.3	1175.6	1155.0	1143.2	1155.0	1175.6	1183.3	1179.5	1178.5	1184.8	1184.7
-47.5°	1183.7	1169.4	1146.3	1135.4	1146.3	1169.4	1183.7	1189.9	1185.0	1191.5	1176.3
-50°	1140.5	1135.5	1138.0	1139.5	1138.0	1135.5	1140.5	1158.1	1147.8	1154.0	1153.2
-52.5°	1097.0	1092.1	1103.6	1115.8	1103.6	1092.1	1097.0	1101.3	1093.9	1091.3	1075.8
-55°	1013.8	1009.2	1024.1	1056.7	1024.1	1009.2	1013.8	1010.1	994.5	985.4	986.0
-57.5°	909.2	918.6	921.8	933.3	921.8	918.6	909.2	899.9	892.2	898.4	892.9
-60°	793.8	793.7	787.9	788.2	787.9	793.7	793.8	800.2	812.1	803.2	793.3
-62.5°	689.5	677.4	668.0	653.1	668.0	677.4	689.5	703.5	716.7	722.2	715.9
-65°	597.5	588.0	590.5	592.5	590.5	588.0	597.5	623.1	621.1	624.3	637.1
-67.5°	511.1	498.3	495.9	495.1	495.9	498.3	511.1	523.4	527.9	532.7	543.7
-70°	442.9	440.6	438.4	436.9	438.4	440.6	442.9	448.9	456.3	457.2	455.4
-72.5°	379.7	375.6	373.0	369.5	373.0	375.6	379.7	380.0	385.1	387.2	383.2
-75°	332.0	331.4	332.0	329.5	332.0	331.4	332.0	333.0	333.8	333.8	330.4
-77.5°	287.4	291.2	293.8	292.2	293.8	291.2	287.4	286.1	282.9	280.0	277.4
-80°	259.7	261.8	263.8	267.6	263.8	261.8	259.7	257.4	253.6	251.5	251.5
-82.5°	241.6	243.0	244.2	244.4	244.2	243.0	241.6	239.1	236.4	235.1	236.6
-85°	189.8	189.7	189.2	189.3	189.2	189.7	189.8	188.9	186.9	186.3	188.1
-87.5°	114.5	114.8	115.1	115.1	115.1	114.8	114.5	114.4	113.7	112.9	112.7
-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: P902105 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WNB-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°	53.9	54.8	53.7	53.8	52.3	50.7	48.8	48.7	47.0	45.3	45.1
85°	126.2	128.2	127.2	124.0	120.0	117.5	114.7	111.9	110.9	109.0	106.9
82.5°	224.0	227.2	230.4	228.2	213.0	205.0	196.6	188.0	188.7	189.2	189.9
80°	422.0	409.4	413.4	407.9	368.7	344.6	334.9	326.5	323.1	318.1	305.2
77.5°	707.7	666.3	653.8	639.3	595.5	547.5	523.7	502.4	484.0	477.7	459.7
75°	1072.5	973.9	926.1	890.2	842.3	788.9	752.0	724.7	703.1	684.4	656.7
72.5°	1547.5	1379.9	1284.0	1209.7	1142.4	1087.3	1044.1	1009.8	994.6	959.2	895.4
70°	2414.1	2125.0	1847.7	1716.5	1613.8	1524.8	1477.9	1438.8	1388.3	1312.3	1193.1
67.5°	4285.6	3969.3	3471.1	2958.9	2711.0	2471.4	2220.8	2095.9	2040.6	1835.4	1612.6
65°	9024.1	8731.8	7951.8	6612.3	6092.6	5531.8	4657.9	4041.5	3687.3	2986.6	2654.9
62.5°	20752.3	20888.2	19587.1	16755.2	15236.7	14097.4	11865.5	10448.2	8667.4	6294.6	5790.1
60°	52499.4	49666.6	44701.2	39061.0	34800.2	30842.3	26432.6	23003.4	18905.8	15351.0	12629.8
57.5°	87758.3	83223.9	75854.5	68016.0	60200.2	51852.6	44629.9	38314.6	32510.1	27560.7	23268.6
55°	107951.7	103871.1	96262.8	88980.1	80311.4	69304.9	59204.0	50901.0	45244.2	39230.1	35147.9
52.5°	110120.1	105817.8	100885.1	95898.1	89142.3	79455.5	68783.1	58639.7	52076.7	47305.0	43462.7
50°	103951.3	100987.6	98126.9	94684.9	90503.0	83712.5	74255.6	63269.3	55896.7	51682.8	48413.5
47.5°	94489.9	93384.7	92148.3	90420.9	88076.5	83423.2	76296.9	66915.6	58553.7	53788.2	51077.8
45°	84752.4	84924.7	84731.0	84233.3	82988.9	80630.9	76027.2	68824.4	60247.4	55036.7	52295.8
42.5°	78437.0	78892.7	79697.5	79639.9	78841.6	77706.3	74876.3	69447.2	62002.5	56488.4	53722.0
40°	73661.2	73965.2	75299.1	76372.2	76720.7	76438.8	74600.6	70249.7	63789.0	57875.7	55019.6
37.5°	69300.1	69449.6	70310.9	72215.2	74017.7	74915.8	74220.6	70980.3	65562.7	59676.2	56102.3
35°	65418.0	65664.9	66528.1	68443.9	70774.0	71785.5	72459.7	70681.7	66320.8	61066.3	57170.0
32.5°	62013.6	62340.0	63348.0	65344.4	66994.7	68376.7	69195.8	69178.8	65983.6	61518.9	57777.2
30°	59037.6	59550.3	60607.0	62344.3	63827.1	65388.8	66750.2	67360.9	65550.5	61890.6	58000.4
27.5°	56109.5	56981.9	57842.0	59269.8	60787.0	62654.0	64424.9	65735.2	64993.4	62159.3	58583.4
25°	53113.6	54157.7	54993.1	56387.2	57942.0	60055.7	62122.0	63951.0	64447.8	62330.2	58933.4
22.5°	50189.7	51582.3	52427.9	53720.3	55467.0	57617.5	59840.1	61883.0	62972.0	61805.4	58748.2
20°	47635.1	49189.6	50130.1	51460.7	53197.2	55356.4	57633.5	59777.4	61529.5	60939.9	58212.5
17.5°	45613.2	47306.1	48224.0	49436.5	51070.7	53124.8	55329.7	57387.4	59078.8	59043.7	56851.3
15°	43853.3	45491.7	46470.5	47442.6	48910.7	50761.5	52740.6	54590.2	56339.6	56485.2	54608.3
12.5°	41951.4	43547.3	44358.3	45061.8	46407.4	47948.7	49695.5	51250.5	52785.0	53156.4	51497.9
10°	39618.8	40951.9	41704.6	42271.8	43301.3	44582.2	45907.2	47212.6	48413.9	48746.6	47549.7
7.5°	36703.7	37718.4	38377.6	38797.6	39567.7	40524.6	41563.0	42595.1	43518.9	43903.8	42965.5
5°	33020.0	33874.5	34355.1	34638.8	35261.0	36061.1	36891.6	37655.7	38393.4	38717.6	37999.9
2.5°	28884.6	29647.3	29953.7	30227.1	30833.0	31368.7	32006.7	32602.7	33152.8	33370.0	32782.9
0°	24543.1	25168.4	25340.5	25568.4	25950.2	26566.4	27050.6	27395.5	27837.9	28042.7	27555.8
-2.5°	19471.1	20038.6	20186.7	20431.7	20753.1	21252.8	21644.1	21997.8	22378.1	22528.2	22230.0
-5°	13980.9	14379.7	14491.8	14687.6	15008.3	15434.5	15790.9	16139.7	16537.1	16809.6	16658.5
-7.5°	8594.6	8786.5	8949.5	9217.2	9408.4	9815.3	10078.4	10446.4	10985.1	11322.7	11466.0
-10°	4755.3	4951.2	5081.4	5304.6	5502.8	5736.6	6087.5	6316.2	6729.2	7122.6	7415.7
-12.5°	2584.1	2652.2	2739.0	2897.0	3083.7	3311.2	3481.0	3720.0	3977.2	4303.2	4587.9
-15°	1755.2	1803.8	1874.6	1984.6	2089.0	2187.9	2273.5	2410.7	2565.3	2786.3	3010.9
-17.5°	1546.2	1582.9	1630.3	1711.7	1777.2	1823.7	1864.6	1920.1	1993.1	2096.1	2231.2
-20°	1470.6	1497.2	1545.2	1615.5	1670.5	1684.5	1699.5	1752.0	1793.9	1827.3	1897.0



REPORT NUMBER: P902105 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WNB-LO

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1411.8	1440.7	1476.2	1534.4	1580.6	1589.3	1604.7	1642.7	1679.3	1714.8	1730.5
-25°	1362.5	1379.9	1413.3	1457.6	1496.8	1506.9	1537.8	1561.3	1605.8	1609.2	1629.1
-27.5°	1309.6	1325.6	1349.0	1388.4	1416.5	1442.7	1471.7	1497.3	1523.7	1547.5	1544.6
-30°	1263.9	1281.9	1299.7	1326.7	1360.1	1382.9	1434.4	1456.3	1465.5	1486.0	1470.3
-32.5°	1226.7	1242.9	1267.8	1300.3	1335.6	1335.3	1388.9	1412.6	1434.4	1430.3	1421.7
-35°	1207.1	1233.4	1268.3	1296.6	1295.6	1342.9	1351.6	1378.7	1391.6	1386.3	1366.5
-37.5°	1215.7	1239.6	1256.0	1282.7	1304.6	1328.9	1329.9	1332.8	1339.7	1334.6	1316.6
-40°	1208.0	1219.6	1256.4	1267.8	1291.4	1286.3	1288.5	1280.4	1266.3	1270.0	1250.2
-42.5°	1209.7	1220.0	1228.6	1242.5	1265.1	1257.7	1234.0	1225.3	1212.7	1204.5	1188.4
-45°	1189.6	1231.0	1233.8	1233.1	1239.9	1222.0	1186.6	1169.0	1160.8	1143.2	1129.8
-47.5°	1184.9	1200.9	1218.1	1203.2	1213.7	1181.8	1146.7	1126.3	1103.8	1080.0	1062.7
-50°	1147.1	1151.1	1149.5	1140.9	1164.5	1136.1	1117.0	1056.5	1043.0	1001.7	988.8
-52.5°	1072.3	1076.8	1067.9	1074.6	1083.7	1070.2	1033.6	975.9	960.5	924.3	894.0
-55°	991.1	985.3	984.6	977.1	989.3	997.1	967.6	897.2	857.5	828.3	808.4
-57.5°	891.0	884.2	888.8	896.7	905.6	915.5	890.4	821.7	774.3	734.3	719.6
-60°	799.8	781.2	784.5	794.5	824.0	832.5	810.0	753.5	703.8	665.7	635.3
-62.5°	700.3	688.8	687.0	688.3	718.2	730.0	724.4	678.4	626.7	586.0	559.8
-65°	628.9	618.3	621.2	605.2	627.0	639.9	638.5	596.7	545.0	511.6	492.3
-67.5°	538.9	529.8	533.6	542.1	552.1	564.4	558.8	517.8	475.7	454.2	433.0
-70°	453.9	455.9	460.3	462.9	469.5	475.2	463.3	439.4	408.9	386.5	369.1
-72.5°	379.3	377.5	374.9	373.1	376.9	374.0	353.8	340.2	334.0	321.4	308.4
-75°	323.0	316.0	312.8	307.6	305.7	302.8	289.5	281.2	280.2	273.8	267.1
-77.5°	274.7	269.7	268.6	266.3	266.0	263.4	253.7	248.3	249.6	246.4	242.5
-80°	252.2	248.6	249.4	247.9	247.5	245.7	239.0	234.4	232.7	226.9	220.4
-82.5°	237.0	234.1	232.2	226.9	227.3	223.6	216.1	209.5	201.8	196.4	188.6
-85°	187.8	185.4	181.0	175.7	175.0	171.5	166.2	162.6	157.8	151.5	143.4
-87.5°	111.9	109.0	107.2	105.4	103.8	100.2	98.1	95.7	90.7	88.9	83.7
-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: P902105 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WNB-LO

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	43.1	42.4	40.2	37.8	34.2	30.7	26.2	23.1	20.9	17.9	16.4
85°	103.6	99.2	95.6	91.3	81.3	69.3	57.1	47.7	41.7	35.8	32.8
82.5°	188.8	180.0	169.4	159.7	140.7	119.8	100.8	85.8	72.5	59.7	51.2
80°	297.0	283.7	263.5	246.3	220.7	187.0	156.2	126.9	104.0	86.6	73.5
77.5°	434.1	402.5	386.7	358.2	319.3	266.8	221.3	181.4	147.7	117.6	95.5
75°	622.3	582.2	544.5	499.8	438.4	385.7	316.3	244.5	194.3	158.9	124.6
72.5°	849.7	794.2	735.4	679.5	607.1	518.3	418.5	330.3	254.7	199.0	157.4
70°	1105.1	1027.0	952.7	886.4	788.8	661.3	542.4	418.7	319.5	249.1	189.3
67.5°	1484.6	1322.5	1219.6	1154.5	990.3	846.5	670.0	517.9	389.3	299.2	229.7
65°	2406.4	1929.0	1839.0	1523.2	1401.8	1067.5	829.1	620.5	463.5	352.1	270.1
62.5°	4654.3	4133.2	3288.9	2772.1	2099.4	1398.7	1000.7	736.0	536.1	408.9	308.8
60°	10063.9	8782.1	6583.2	5254.7	3468.9	2066.9	1207.1	852.7	623.0	461.7	353.9
57.5°	20043.2	16460.5	13558.6	8914.1	6173.9	3157.9	1616.3	999.8	703.8	525.9	397.3
55°	31054.6	27750.5	22535.2	16487.3	9648.4	5469.9	2317.6	1143.4	808.7	588.9	439.6
52.5°	40779.0	37555.7	33133.8	24967.9	16598.8	8308.4	3367.8	1520.7	904.6	647.8	489.6
50°	47165.9	45340.4	41475.7	34568.5	23617.8	12726.2	5058.2	1794.3	1024.2	722.7	538.2
47.5°	49856.1	49866.0	48068.5	42068.3	31797.7	17229.7	6751.8	2557.1	1210.4	788.9	584.0
45°	51195.5	51681.1	51940.8	48627.1	38863.5	23435.8	9767.8	3243.6	1362.6	855.4	634.2
42.5°	52230.6	52575.5	54028.5	52521.6	45018.5	30022.1	12121.7	3929.9	1631.8	974.2	689.8
40°	53490.3	53211.7	54379.2	55922.8	50438.5	35952.9	17118.1	5612.6	1880.5	1075.2	742.7
37.5°	54434.6	53696.2	54420.2	55677.8	53321.9	41676.3	21727.5	6737.7	2082.5	1158.1	792.4
35°	55292.8	53904.9	53707.5	55124.7	55908.6	46652.6	25900.0	8463.1	2523.6	1279.2	855.2
32.5°	55682.8	54014.1	53228.5	53827.5	54734.3	48694.1	30473.8	11466.0	3068.1	1406.5	921.7
30°	55861.6	53836.5	52185.4	51928.5	53684.0	50190.3	34493.9	13589.3	3414.5	1500.5	979.3
27.5°	55958.8	53506.8	51341.3	50292.4	51492.8	50065.5	36828.3	15006.2	3483.0	1574.8	1028.8
25°	55831.8	53013.5	50313.8	48555.7	48993.6	47756.0	37109.4	17549.2	4294.6	1654.2	1070.3
22.5°	55497.7	52277.2	49014.5	46591.2	46228.3	45798.2	37004.8	19233.4	5343.6	1774.1	1105.5
20°	54738.0	51192.0	47649.7	44815.1	43895.8	43814.2	36524.9	20318.9	5837.0	1832.7	1141.4
17.5°	53390.8	49693.6	45844.5	42863.5	41603.3	41113.6	35312.9	20656.4	5922.0	1873.0	1166.4
15°	51283.1	47603.2	43634.1	40666.0	39189.1	38470.8	33120.2	20172.6	5719.2	1882.0	1178.9
12.5°	48449.8	44862.7	41150.1	38171.7	36694.7	35868.9	30654.2	18917.2	5154.0	1875.2	1179.1
10°	44994.2	41641.4	38233.2	35480.8	33861.8	33010.5	28055.9	17295.6	5172.8	1858.1	1170.4
7.5°	40988.5	38022.8	34925.0	32438.4	30929.7	29942.2	25009.0	15341.7	4996.3	1824.2	1151.3
5°	36425.2	33987.1	31214.6	28955.1	27481.8	26596.4	21722.3	13073.1	4553.1	1747.4	1115.7
2.5°	31632.8	29562.6	27163.2	25236.6	23916.6	22912.5	18089.9	10708.1	3995.5	1646.9	1072.4
0°	26711.1	24832.6	22844.8	21312.1	20250.4	19038.5	14268.0	8117.6	3269.7	1534.5	1022.6
-2.5°	21463.1	19859.2	18455.5	17348.3	16495.4	15155.2	11023.7	6321.7	2740.5	1392.3	955.2
-5°	16234.7	15311.2	14481.8	13772.3	13023.8	11461.6	7822.3	4493.1	2189.6	1245.1	884.4
-7.5°	11552.6	11258.1	10927.7	10576.2	9933.5	8526.8	5916.4	3440.4	1781.1	1108.2	811.8
-10°	7745.1	7827.9	7803.4	7848.6	7476.7	6204.6	4169.8	2562.8	1479.0	1008.0	756.7
-12.5°	4984.5	5146.3	5458.9	5672.1	5345.3	4500.1	3190.3	2013.6	1234.4	908.9	705.8
-15°	3250.6	3439.3	3805.0	3938.7	3916.1	3362.5	2352.1	1638.7	1135.1	833.4	655.9
-17.5°	2334.0	2528.2	2693.8	2895.0	2898.1	2499.7	1917.1	1409.3	1037.1	785.7	619.5
-20°	1925.7	2012.8	2097.8	2217.8	2184.5	2015.3	1616.7	1285.2	958.1	739.0	592.0



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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°	1744.2	1743.0	1801.3	1763.8	1819.5	1679.0	1465.0	1171.5	890.6	698.7	563.9
-25°	1621.0	1609.4	1599.8	1593.3	1565.5	1509.9	1336.5	1082.8	822.9	662.4	537.3
-27.5°	1531.2	1512.8	1475.6	1461.0	1447.9	1379.2	1239.7	995.9	771.5	628.9	512.6
-30°	1467.2	1439.9	1403.0	1380.9	1349.6	1286.0	1144.5	927.9	732.3	596.3	486.8
-32.5°	1402.1	1377.5	1348.7	1307.9	1274.9	1188.8	1052.7	861.0	690.0	564.0	459.8
-35°	1345.4	1321.6	1284.1	1243.2	1209.6	1098.5	967.2	792.3	646.2	530.0	432.4
-37.5°	1301.3	1268.2	1219.0	1181.6	1121.4	1009.8	885.2	730.8	603.8	496.2	405.5
-40°	1240.8	1211.2	1172.1	1118.4	1032.6	927.0	804.5	675.9	562.1	464.1	379.5
-42.5°	1177.3	1140.5	1124.5	1042.4	955.5	852.8	731.1	620.6	519.7	431.4	353.3
-45°	1112.3	1070.9	1038.9	963.3	877.1	778.9	675.7	574.8	480.0	398.3	327.2
-47.5°	1030.3	1004.3	954.6	883.0	800.7	710.2	621.5	529.5	443.2	370.6	305.0
-50°	945.3	911.6	875.7	809.0	727.9	651.6	569.2	484.7	405.4	343.8	285.1
-52.5°	867.5	833.8	792.5	729.5	663.9	593.2	516.8	443.5	374.9	317.2	265.3
-55°	782.7	757.9	708.0	659.9	605.2	536.7	467.7	400.7	346.0	295.6	246.6
-57.5°	696.7	669.6	633.9	593.3	543.9	481.1	419.3	366.7	317.2	273.9	235.7
-60°	614.4	592.9	564.2	532.8	484.5	425.5	377.5	332.5	294.2	253.6	224.2
-62.5°	540.7	520.1	498.3	471.5	425.5	377.0	339.1	304.7	271.1	239.3	212.1
-65°	472.3	449.7	430.6	407.4	376.1	335.2	308.9	278.6	250.5	223.7	195.4
-67.5°	410.4	388.9	369.7	355.4	329.5	306.0	282.6	256.4	230.8	205.7	178.4
-70°	352.6	335.4	317.5	307.8	294.0	278.0	258.6	235.2	211.0	186.9	161.2
-72.5°	298.8	286.9	274.3	265.4	261.6	251.6	234.8	212.4	190.5	168.1	145.0
-75°	256.3	247.7	242.6	236.9	233.0	222.7	207.1	188.8	169.2	149.3	128.4
-77.5°	235.3	227.0	218.3	209.0	201.6	191.2	178.5	163.7	146.8	130.1	111.7
-80°	212.0	202.6	194.6	181.0	170.9	161.3	149.7	137.7	124.1	110.8	95.1
-82.5°	178.5	168.3	160.2	149.9	140.5	131.7	121.2	112.0	101.1	91.1	78.4
-85°	134.6	127.7	121.1	113.7	106.6	101.3	93.1	86.3	76.5	66.7	54.6
-87.5°	80.0	76.1	70.6	65.2	59.9	55.7	49.4	44.2	38.3	33.4	27.4
-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°	14.1	11.8	9.5	7.4	5.0	2.5	0.0
85°	28.2	23.6	19.0	14.8	9.9	5.0	0.0
82.5°	42.3	35.4	28.4	22.2	14.8	7.4	0.0
80°	60.3	47.8	37.8	29.5	19.7	9.9	0.0
77.5°	78.5	61.7	47.8	36.8	24.6	12.3	0.0
75°	96.3	75.5	58.4	44.0	29.4	14.7	0.0
72.5°	120.3	89.1	68.9	51.1	34.2	17.1	0.0
70°	145.8	105.7	79.0	58.0	38.9	19.5	0.0
67.5°	170.4	125.4	88.9	64.8	43.5	21.8	0.0
65°	198.6	144.6	101.0	71.4	47.8	24.1	0.0
62.5°	230.8	163.3	114.7	77.7	51.9	26.4	0.0
60°	262.1	184.7	127.9	83.9	55.8	28.6	0.0
57.5°	292.3	209.4	140.4	90.0	59.6	30.7	0.0
55°	328.3	233.0	152.1	98.7	63.4	32.8	0.0
52.5°	363.0	255.4	164.6	106.9	66.9	34.9	0.0
50°	396.1	277.3	182.3	114.8	70.4	36.9	0.0
47.5°	428.7	303.9	199.5	122.3	73.7	38.8	0.0
45°	466.4	329.2	215.6	129.4	76.8	40.7	0.0
42.5°	502.3	353.0	230.4	136.1	79.8	42.5	0.0
40°	536.3	375.2	243.8	142.1	82.6	44.2	0.0
37.5°	568.0	395.8	255.9	147.5	85.3	45.8	0.0
35°	603.2	416.7	268.4	154.8	88.5	47.2	0.0
32.5°	638.9	436.0	280.2	162.1	91.7	48.5	0.0
30°	671.3	453.2	290.5	168.5	94.6	49.7	0.0
27.5°	696.4	468.3	298.8	174.0	97.5	50.8	0.0
25°	716.3	481.3	305.6	178.7	100.3	51.9	0.0
22.5°	732.2	491.4	311.0	182.5	102.8	52.8	0.0
20°	747.4	497.3	315.1	185.5	105.0	53.7	0.0
17.5°	760.1	500.7	317.8	188.4	107.0	54.5	0.0
15°	765.0	502.8	319.2	190.9	108.7	55.1	0.0
12.5°	764.5	503.4	319.2	192.5	110.2	55.7	0.0
10°	759.1	500.1	317.8	193.4	111.5	56.3	0.0
7.5°	747.4	493.2	315.1	193.6	112.4	56.7	0.0
5°	730.6	483.9	311.2	193.2	113.1	57.0	0.0
2.5°	709.8	472.4	306.3	192.2	113.6	57.2	0.0
0°	685.4	458.8	300.3	190.7	113.8	57.3	0.0
-2.5°	657.3	446.2	295.1	188.8	113.6	57.3	0.0
-5°	627.0	431.9	289.0	186.4	113.1	57.3	0.0
-7.5°	595.2	416.0	282.1	183.7	112.4	57.1	0.0
-10°	564.7	398.8	274.6	180.6	111.5	56.8	0.0
-12.5°	539.5	383.2	266.5	177.2	110.3	56.4	0.0
-15°	513.7	370.0	258.5	173.5	108.9	56.0	0.0
-17.5°	487.8	357.6	252.1	169.6	107.2	55.4	0.0
-20°	464.9	345.6	245.2	165.9	105.4	54.8	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	446.7	332.9	237.9	162.8	103.3	54.1	0.0
-25°	427.9	320.2	230.2	159.3	101.0	53.3	0.0
-27.5°	408.3	307.0	222.3	155.4	98.5	52.4	0.0
-30°	387.9	293.1	214.1	151.3	95.8	51.4	0.0
-32.5°	366.4	278.5	205.5	146.8	93.3	50.4	0.0
-35°	344.2	263.2	196.7	141.9	90.6	49.3	0.0
-37.5°	322.8	249.1	188.2	137.0	87.9	48.0	0.0
-40°	303.7	237.7	181.0	132.3	85.6	46.4	0.0
-42.5°	285.1	226.3	173.7	127.5	83.2	44.7	0.0
-45°	266.5	214.9	166.1	122.8	80.5	42.9	0.0
-47.5°	247.6	203.6	158.3	117.9	77.8	41.1	0.0
-50°	234.7	192.4	150.7	112.8	74.8	39.1	0.0
-52.5°	223.8	183.2	143.2	107.7	71.7	37.1	0.0
-55°	213.8	174.3	136.5	102.5	68.5	35.0	0.0
-57.5°	204.4	164.9	129.8	97.2	65.1	32.8	0.0
-60°	191.5	154.9	122.8	91.9	61.7	30.5	0.0
-62.5°	178.1	145.0	115.4	86.4	58.0	28.2	0.0
-65°	164.2	135.3	107.9	80.7	54.3	25.8	0.0
-67.5°	150.7	125.2	100.0	74.9	49.9	23.4	0.0
-70°	137.6	114.7	91.8	68.8	44.7	20.9	0.0
-72.5°	124.2	104.0	83.5	62.7	39.4	18.4	0.0
-75°	110.5	93.0	75.0	55.8	34.0	15.9	0.0
-77.5°	97.0	81.8	66.4	46.8	28.4	13.3	0.0
-80°	83.3	70.5	54.8	37.6	22.8	10.6	0.0
-82.5°	68.6	54.4	41.2	28.3	17.2	8.0	0.0
-85°	45.8	36.4	27.6	18.9	11.5	5.3	0.0
-87.5°	23.0	18.2	13.8	9.5	5.7	2.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)