

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: P902109 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/14/2024

Test Information

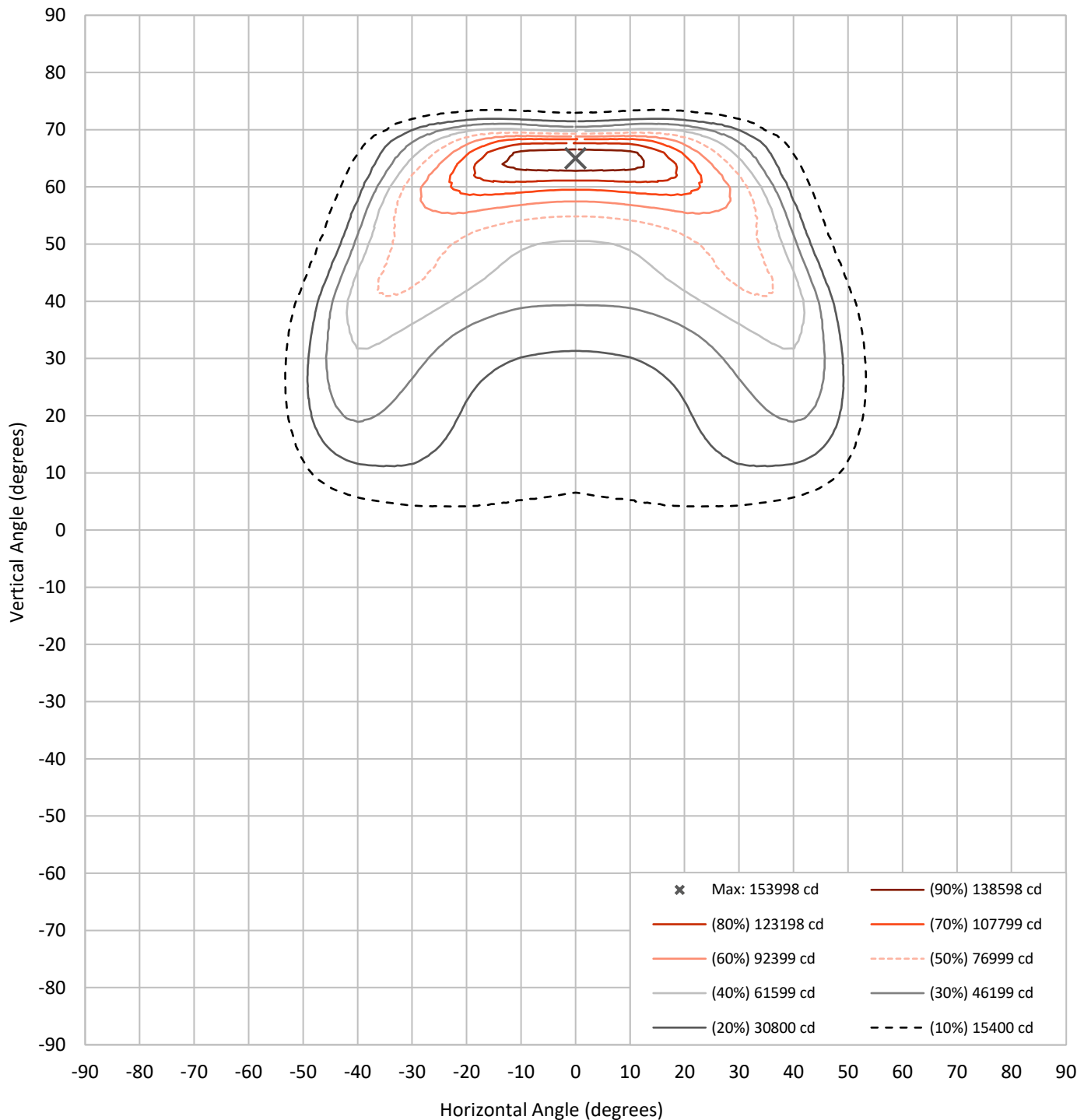
Test Method: LM-79-08
Report Number: P902109 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVM2049600)
Test Lab: INNOVATION CENTER
Issue Date: 11/14/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A65-NB-LTM
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A65-NB-LTM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	100354.1 lumens	Max Intensity:	153998 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 65°V
Efficacy:	71.0 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	54.1°H x 14.3°V	Field Angle (10%):	81.3°H x 65.9°V
Beam Lumens:	33496.6 lumens	Field Lumens:	90507.8 lumens
Beam Efficiency:	33.4%	Field Efficiency:	90.2%
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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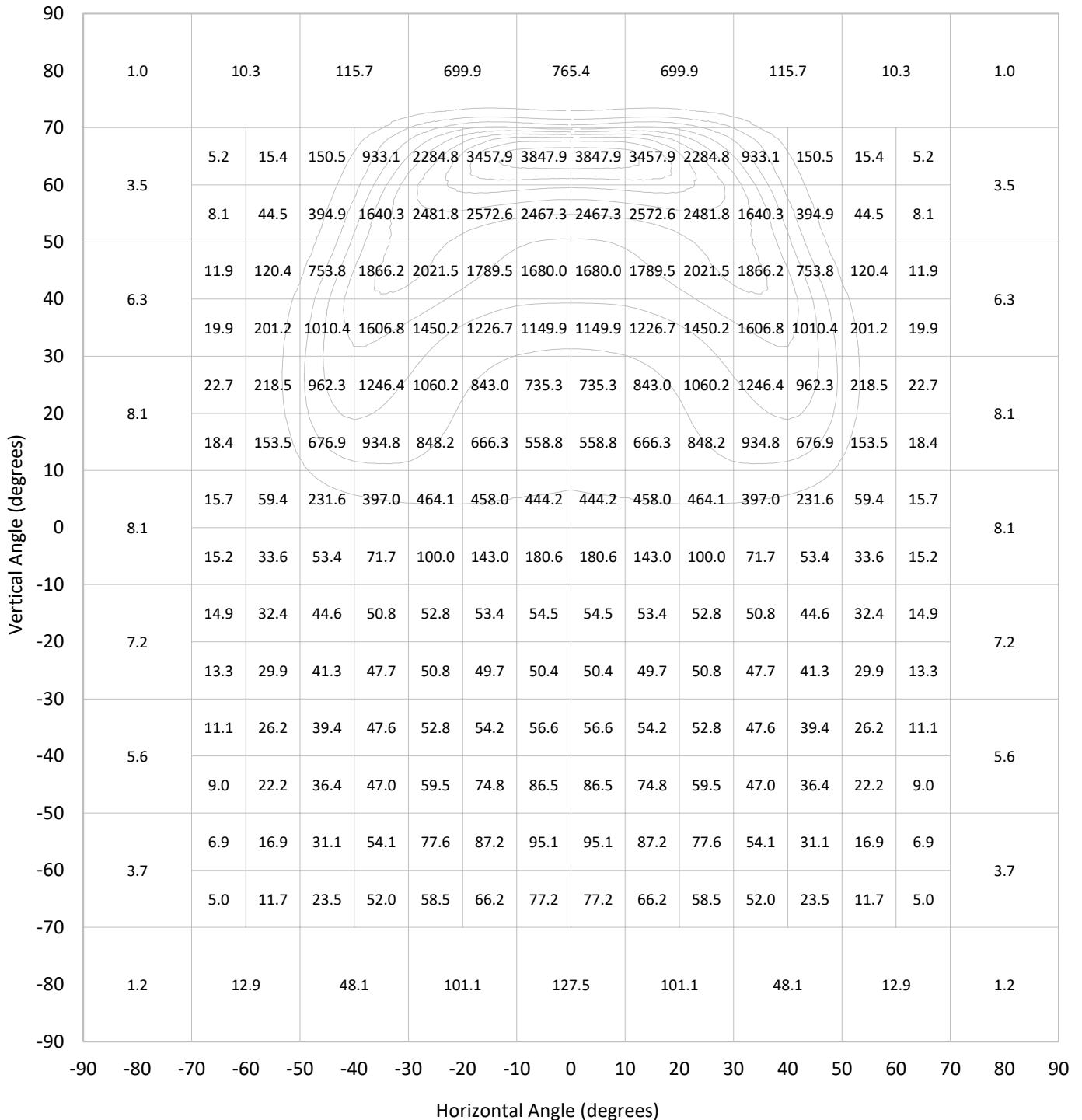
Iso-Candela Plot





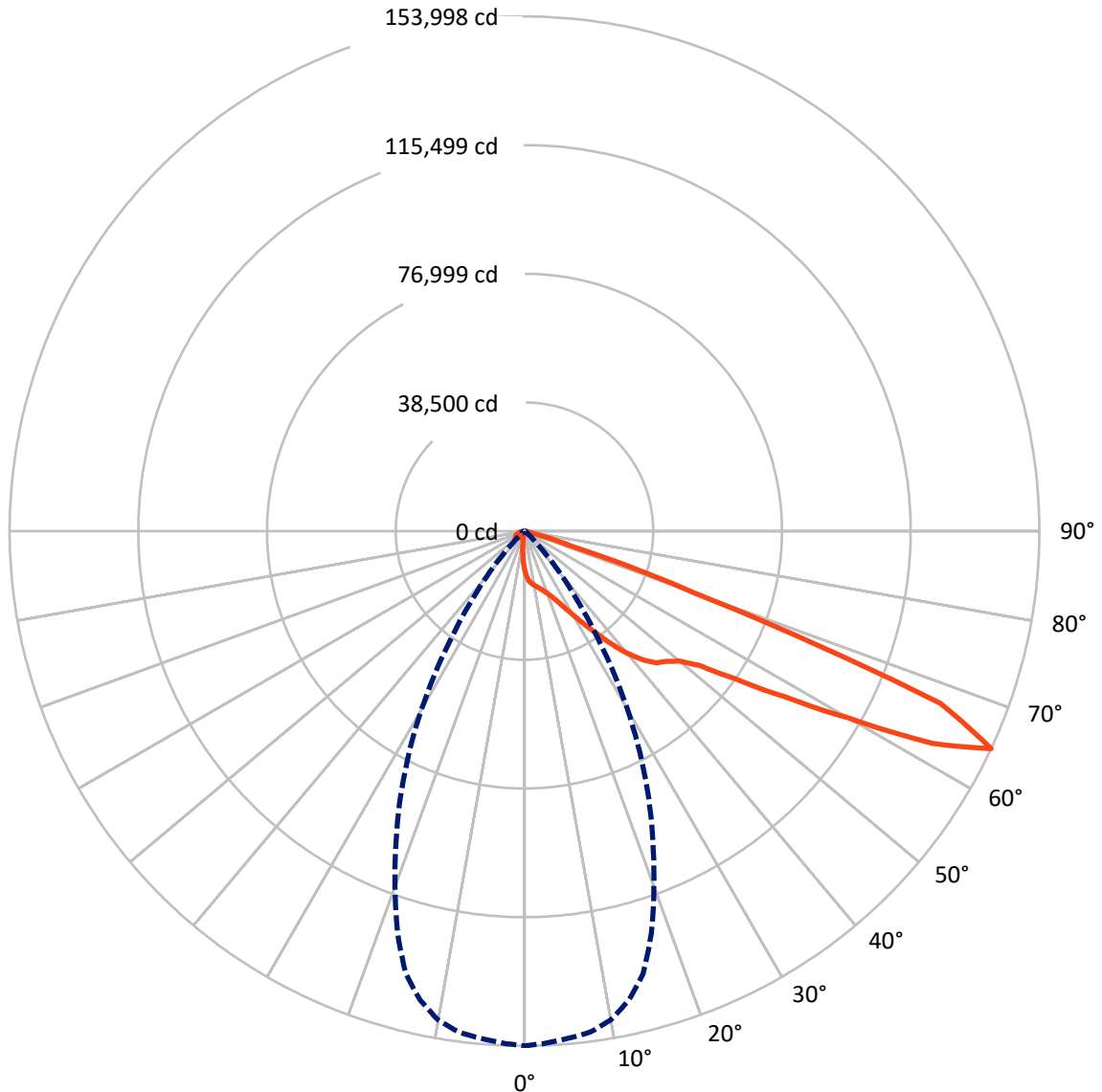
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Lumen Table



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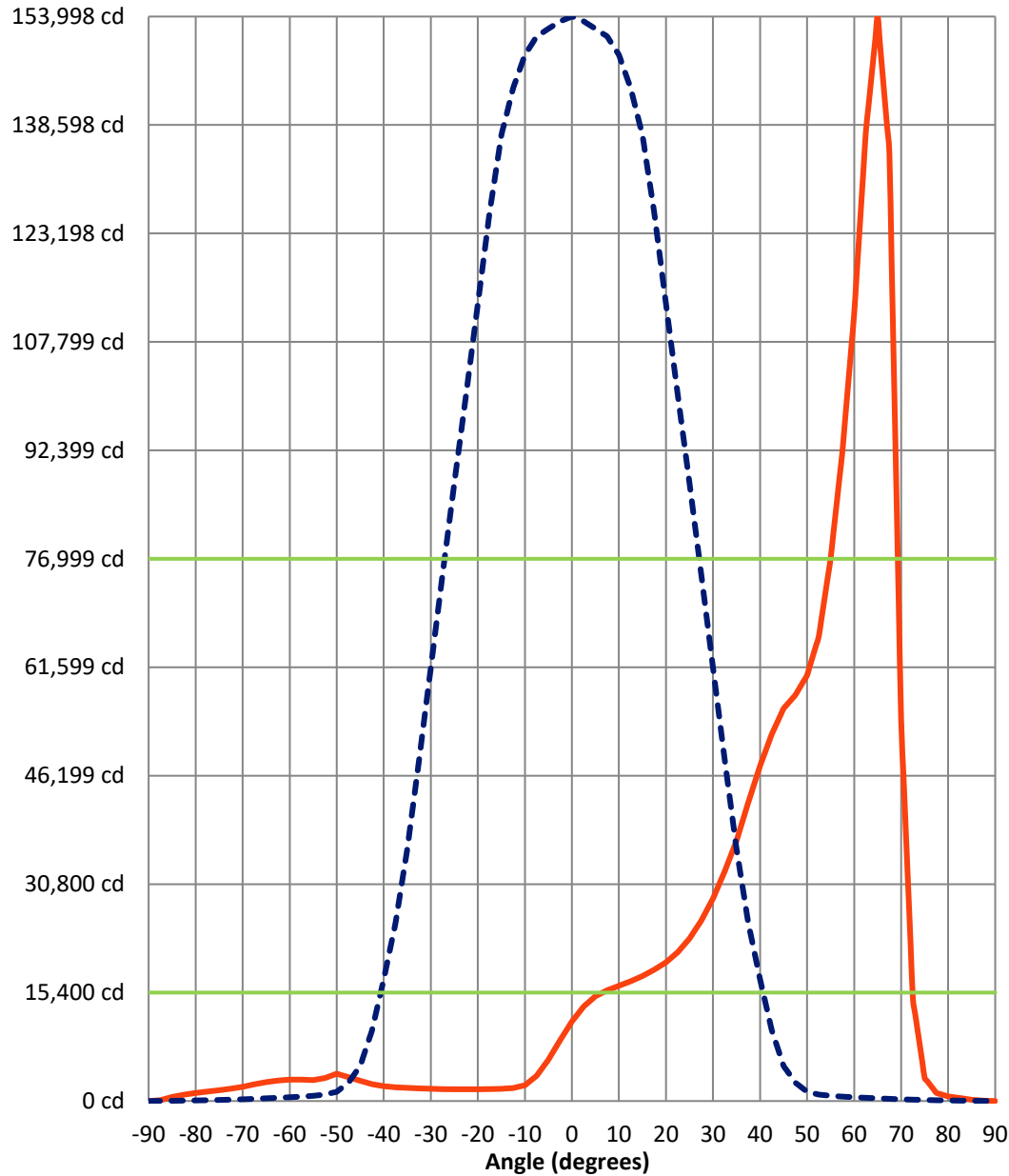
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 65-Deg

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Luminous Intensity Plot



Beam:
H Angle: 54.1°
V Angle: 14.3°
Lumens: 33496.6
Efficiency: 33.4%

Field:
H Angle: 81.3°
V Angle: 65.9°
Lumens: 90507.8
Efficiency: 90.2%

Spill:
Lumens: 9846.3
Efficiency: 9.8%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 65-Deg



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FIELD
BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	2.0	4.0	5.9	7.9	9.8	11.8	13.7	15.6	17.4	19.2
85°	0.0	4.0	7.9	11.9	15.8	19.7	23.5	27.3	31.1	34.8	39.4
82.5°	0.0	5.9	11.9	17.8	23.6	29.5	35.2	43.2	51.7	60.0	68.1
80°	0.0	7.9	15.8	23.6	31.4	40.6	52.1	63.5	74.8	85.8	98.6
77.5°	0.0	9.8	19.7	29.5	40.5	55.1	69.5	83.7	99.9	118.3	136.4
75°	0.0	11.8	23.5	35.2	51.4	69.5	86.7	107.4	130.3	152.3	178.5
72.5°	0.0	13.7	27.3	40.8	61.9	83.7	105.2	132.6	160.3	190.4	231.5
70°	0.0	15.6	31.1	46.1	71.7	96.4	123.6	156.8	189.3	228.3	283.8
67.5°	0.0	17.4	34.8	51.2	80.9	106.4	141.3	178.0	217.6	268.5	337.7
65°	0.0	19.2	37.8	56.1	86.9	114.7	156.5	197.3	249.1	313.5	390.4
62.5°	0.0	21.0	40.3	60.7	90.8	121.0	168.8	214.7	284.6	357.3	445.6
60°	0.0	22.7	42.6	64.9	95.0	128.4	179.8	241.3	317.0	399.1	498.2
57.5°	0.0	24.4	44.8	69.0	99.7	140.0	189.4	267.4	348.5	437.2	559.6
55°	0.0	26.1	46.8	74.0	104.8	152.6	211.4	292.7	381.1	488.7	624.1
52.5°	0.0	27.7	48.7	78.9	111.6	166.4	232.9	320.4	414.8	537.7	678.7
50°	0.0	29.2	50.4	83.8	123.4	181.4	252.1	345.7	457.5	580.5	725.4
47.5°	0.0	30.7	51.9	88.7	134.5	195.8	269.5	368.1	496.4	627.4	776.5
45°	0.0	32.2	53.3	93.6	144.4	209.7	290.3	393.8	531.7	673.3	834.3
42.5°	0.0	33.5	54.4	98.4	153.3	222.9	311.2	427.8	570.7	721.0	899.2
40°	0.0	34.9	55.4	103.2	161.1	235.5	330.8	458.9	607.5	767.3	963.1
37.5°	0.0	36.1	56.2	107.9	167.9	247.4	345.9	486.6	642.1	808.2	1017.1
35°	0.0	36.8	58.5	113.0	174.2	257.1	360.5	510.7	668.9	846.4	1091.2
32.5°	0.0	37.4	61.1	117.9	179.9	265.4	374.5	529.3	693.1	881.1	1183.9
30°	0.0	37.9	63.6	122.6	184.7	273.6	386.2	545.6	713.9	916.8	1239.8
27.5°	0.0	38.4	66.4	126.9	190.7	281.5	398.2	561.2	731.9	954.7	1277.1
25°	0.0	38.8	69.1	130.9	196.0	289.3	407.7	576.0	746.5	996.4	1369.7
22.5°	0.0	39.2	71.5	134.5	200.5	296.3	413.7	581.8	757.8	1005.5	1375.0
20°	0.0	39.6	73.6	137.7	204.2	301.2	417.6	584.4	763.7	1009.7	1365.4
17.5°	0.0	39.9	75.6	139.6	207.1	304.5	421.5	585.6	771.7	1017.6	1336.1
15°	0.0	40.2	77.2	140.7	209.3	306.3	424.6	589.2	778.5	1030.1	1303.7
12.5°	0.0	40.4	78.7	141.1	209.6	306.6	426.7	595.0	780.4	1034.1	1272.8
10°	0.0	40.6	79.8	141.0	208.8	305.9	427.5	597.7	775.6	1028.2	1241.4
7.5°	0.0	40.8	80.7	140.5	207.4	304.6	428.3	597.5	766.5	1016.5	1219.6
5°	0.0	40.9	81.4	139.5	205.6	302.6	427.3	594.7	765.8	998.7	1191.7
2.5°	0.0	40.9	81.8	138.2	203.1	299.7	423.9	589.8	766.4	974.5	1162.0
0°	0.0	41.0	81.9	136.5	200.2	295.8	418.7	582.5	764.5	946.6	1128.6
-2.5°	0.0	41.2	82.8	138.2	200.0	295.2	417.9	577.0	763.0	945.0	1139.1
-5°	0.0	41.4	83.5	139.5	199.3	293.6	415.5	569.3	758.2	940.0	1144.0
-7.5°	0.0	41.5	84.0	140.5	198.3	290.8	411.5	559.7	750.0	929.1	1145.2
-10°	0.0	41.6	84.3	141.0	197.0	287.0	406.2	553.7	739.2	910.6	1140.9
-12.5°	0.0	41.5	84.4	141.1	195.6	282.9	399.8	546.7	725.9	890.4	1132.0
-15°	0.0	41.4	84.4	140.7	194.3	278.8	391.4	537.6	710.2	891.7	1114.6
-17.5°	0.0	41.3	84.4	139.6	193.2	274.6	381.1	526.3	692.2	884.2	1099.7
-20°	0.0	41.0	84.2	137.7	191.5	270.0	370.0	513.0	672.4	856.5	1077.8



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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	40.6	84.0	134.5	189.3	264.6	362.1	497.5	652.0	820.4	1035.7
-25°	0.0	40.1	83.8	130.9	186.4	259.1	354.1	481.7	631.9	786.0	981.5
-27.5°	0.0	39.6	83.6	126.9	182.8	253.6	344.6	467.6	612.1	754.5	924.6
-30°	0.0	38.9	83.4	122.6	178.8	248.0	333.9	452.0	589.2	723.4	892.5
-32.5°	0.0	38.1	82.5	117.9	176.1	242.5	323.2	435.1	564.7	690.5	862.1
-35°	0.0	37.2	81.6	113.0	172.6	236.9	311.0	417.4	541.6	661.8	829.2
-37.5°	0.0	36.1	80.3	108.6	168.2	230.2	299.0	400.8	519.8	632.6	792.8
-40°	0.0	34.9	78.0	106.7	162.7	221.4	287.6	384.6	498.0	606.9	750.0
-42.5°	0.0	33.5	75.5	105.2	156.7	212.1	275.5	366.6	476.6	581.1	700.9
-45°	0.0	32.2	72.6	104.0	150.3	202.4	263.4	347.1	455.7	554.1	661.2
-47.5°	0.0	30.7	69.4	102.3	143.4	192.1	250.3	329.9	432.4	527.7	623.9
-50°	0.0	29.2	65.9	100.2	136.3	181.4	237.7	313.7	406.0	499.6	586.9
-52.5°	0.0	27.7	62.1	97.6	129.6	174.1	223.2	295.3	379.4	469.8	554.6
-55°	0.0	26.1	58.0	94.7	125.3	166.8	206.6	275.3	357.7	438.6	519.6
-57.5°	0.0	24.4	53.7	91.3	121.1	159.2	190.3	258.7	335.5	407.2	484.7
-60°	0.0	22.7	49.1	84.0	116.5	151.4	183.6	242.7	313.4	380.8	449.2
-62.5°	0.0	21.0	44.3	76.1	111.5	142.9	175.8	226.1	291.7	354.0	417.1
-65°	0.0	19.2	39.3	68.1	106.2	133.8	166.8	211.8	268.5	324.6	384.5
-67.5°	0.0	17.4	34.8	60.0	97.4	124.2	154.8	194.8	243.7	291.9	346.1
-70°	0.0	15.6	31.1	51.7	84.5	114.1	139.5	175.0	217.6	258.3	306.4
-72.5°	0.0	13.7	27.3	43.2	70.9	99.4	122.6	150.8	190.4	225.8	269.5
-75°	0.0	11.8	23.5	35.2	56.7	80.5	103.4	125.6	162.1	192.1	232.0
-77.5°	0.0	9.8	19.7	29.5	41.9	61.3	80.5	99.4	133.1	156.4	189.7
-80°	0.0	7.9	15.8	23.6	31.4	42.0	57.4	72.6	98.9	118.8	144.6
-82.5°	0.0	5.9	11.9	17.8	23.6	29.5	35.2	45.5	61.5	75.7	94.2
-85°	0.0	4.0	7.9	11.9	15.8	19.7	23.5	27.3	31.1	34.8	41.9
-87.5°	0.0	2.0	4.0	5.9	7.9	9.8	11.8	13.7	15.6	17.4	19.2
-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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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NB-LTM

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	21.0	22.7	24.4	26.1	27.7	29.2	30.7	32.2	46.8	52.2	54.1
85°	44.8	50.0	55.1	60.0	64.8	69.5	74.0	84.9	99.6	104.5	108.2
82.5°	76.1	84.0	92.0	104.4	116.4	128.0	139.2	152.8	164.4	186.8	197.6
80°	116.6	135.4	152.6	169.1	185.7	204.3	229.5	257.5	280.8	316.8	354.5
77.5°	164.0	190.9	217.5	243.8	267.9	291.1	341.9	392.6	433.8	491.7	567.1
75°	216.6	247.0	284.4	330.4	368.8	414.8	478.3	568.4	660.0	780.3	939.6
72.5°	272.1	319.6	376.9	431.9	491.0	577.0	680.5	896.3	1251.1	1604.3	2046.8
70°	342.8	405.4	463.8	534.6	627.9	783.3	1103.3	1666.6	2827.1	4650.9	7715.3
67.5°	407.6	474.3	542.7	638.4	769.6	1013.9	1763.5	3222.4	5883.6	11466.2	20246.7
65°	462.3	540.1	628.0	744.0	920.2	1320.9	2624.0	5002.6	10044.3	17297.2	25296.1
62.5°	524.9	622.8	720.0	880.3	1167.9	2129.3	3839.3	7780.4	13994.2	20878.4	30561.5
60°	603.0	704.6	818.1	1038.0	1588.6	3046.8	5632.8	10640.0	16606.7	25057.3	38683.6
57.5°	670.2	777.1	918.2	1173.1	2262.6	4134.0	8328.8	13399.5	19737.5	30823.2	47273.5
55°	730.7	846.2	1004.5	1691.7	3166.4	6254.6	10520.9	15169.7	23687.9	37501.8	54724.8
52.5°	790.2	911.3	1267.4	2205.7	4188.7	8237.2	12244.7	17622.2	28226.3	44013.2	59901.2
50°	846.9	1026.1	1517.5	2758.0	6241.8	10175.6	13608.6	21154.6	33629.8	50396.7	64382.8
47.5°	914.1	1130.2	2050.6	4406.4	8388.8	11422.9	16571.6	26051.8	40689.4	56530.1	69093.7
45°	1008.6	1488.5	2921.5	6380.2	9677.8	13441.9	19979.9	31274.4	47863.5	62574.0	73559.0
42.5°	1096.7	1867.0	4318.1	7785.5	11200.5	15622.3	23999.3	38466.2	54188.1	67457.2	76189.9
40°	1335.9	2533.6	5451.2	9096.5	12581.6	18505.1	28890.0	43760.8	58673.7	69869.6	75104.8
37.5°	1532.5	3275.6	6438.6	9817.2	14101.0	21063.5	32505.7	47531.5	60149.9	68052.5	71235.6
35°	1766.5	3802.9	7062.7	10037.7	14928.1	22947.7	35037.5	48729.7	59197.8	65124.6	66554.1
32.5°	2094.2	4170.3	6901.5	10372.3	16009.1	24657.2	36898.1	49439.0	58129.9	62496.6	62666.8
30°	2261.5	4297.2	6560.7	10438.6	16741.0	25805.6	38578.0	49817.1	57028.0	59759.9	59006.7
27.5°	2322.5	4110.9	6413.1	10644.5	17343.4	26903.1	38923.9	49034.0	54977.0	56803.1	55622.0
25°	2251.4	3785.9	6142.7	10601.2	17353.5	27096.4	38663.8	47767.5	52807.5	53974.8	52496.4
22.5°	2129.7	3356.8	5702.6	10093.7	16820.6	26265.2	37034.2	45311.0	49920.8	50929.3	49659.0
20°	1902.1	2974.3	5199.9	9445.9	15836.8	24738.6	34587.5	42343.7	46789.0	47951.6	46818.4
17.5°	1778.0	2600.0	4661.9	8447.8	14209.9	22414.7	31331.0	38277.9	42377.3	43975.3	43464.5
15°	1626.4	2338.5	4002.1	7200.0	12203.8	19354.2	27039.1	33233.7	37123.5	38996.3	39156.4
12.5°	1548.8	2028.9	3322.9	5937.7	10062.7	15896.8	22318.1	27728.9	31245.4	33137.3	33782.2
10°	1465.1	1827.4	2749.8	4659.3	7749.2	12311.9	17283.9	21654.6	24705.2	26676.1	27692.7
7.5°	1424.5	1665.8	2225.0	3459.5	5630.1	8761.9	12232.6	15527.5	18108.5	19994.4	21147.5
5°	1388.8	1573.9	1962.2	2697.6	3903.5	5701.9	7730.9	9856.0	11903.3	13510.6	14698.7
2.5°	1377.7	1540.9	1796.8	2174.6	2727.9	3562.3	4538.9	5655.1	6876.4	7995.7	8955.5
0°	1365.2	1529.1	1724.8	1938.6	2179.8	2512.0	2912.5	3358.5	3790.8	4223.1	4705.5
-2.5°	1375.2	1548.2	1734.6	1923.9	2091.0	2283.9	2465.3	2605.7	2723.3	2835.2	2977.8
-5°	1381.2	1565.4	1751.4	1915.0	2048.9	2193.1	2306.1	2346.1	2355.6	2341.2	2341.8
-7.5°	1388.5	1585.0	1785.1	1908.1	2032.5	2154.8	2253.6	2268.2	2234.3	2195.7	2177.3
-10°	1392.2	1600.5	1780.3	1895.9	2022.1	2129.5	2190.2	2205.2	2160.7	2123.1	2116.0
-12.5°	1402.4	1614.4	1764.2	1877.9	2005.3	2103.1	2143.0	2142.8	2103.1	2062.4	2070.7
-15°	1402.7	1606.1	1743.7	1858.7	1974.1	2065.3	2102.5	2094.0	2051.5	2014.3	2026.0
-17.5°	1373.6	1590.7	1719.8	1836.8	1936.6	2023.4	2061.5	2049.2	2005.1	1978.4	1993.2
-20°	1336.7	1544.1	1692.4	1811.9	1904.6	1975.1	2019.1	2006.5	1975.8	1931.8	1951.5



REPORT NUMBER: P902109 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NB-LTM

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	1290.3	1480.1	1655.0	1783.9	1880.7	1929.6	1979.8	1971.8	1945.6	1911.8	1920.4
-25°	1239.0	1433.4	1599.0	1730.3	1851.5	1893.4	1936.8	1937.0	1915.1	1887.1	1885.6
-27.5°	1182.8	1387.7	1525.8	1651.6	1814.9	1858.3	1882.7	1891.6	1886.6	1873.6	1863.3
-30°	1120.7	1331.1	1471.5	1597.9	1767.9	1810.6	1841.2	1856.5	1865.6	1871.3	1864.3
-32.5°	1056.8	1259.3	1419.9	1539.1	1678.6	1800.5	1829.6	1823.4	1843.4	1864.8	1884.0
-35°	987.3	1193.7	1371.3	1475.9	1627.9	1771.5	1827.6	1835.6	1839.7	1868.1	1893.2
-37.5°	939.2	1142.0	1304.9	1429.2	1588.4	1710.8	1799.8	1872.1	1849.4	1866.3	1884.1
-40°	907.6	1095.8	1237.6	1369.8	1524.8	1644.3	1738.4	1821.2	1871.0	1861.6	1869.7
-42.5°	848.2	1035.6	1183.2	1314.9	1431.5	1555.7	1667.2	1765.2	1822.2	1845.9	1864.8
-45°	793.4	993.1	1138.3	1280.5	1389.0	1507.8	1603.1	1704.9	1765.4	1806.2	1857.9
-47.5°	743.2	944.2	1087.3	1220.2	1368.2	1460.1	1558.4	1657.4	1716.7	1757.2	1820.5
-50°	699.2	851.6	1018.0	1159.5	1308.3	1390.2	1503.8	1594.2	1694.0	1712.2	1779.9
-52.5°	655.5	766.4	919.8	1063.5	1206.2	1296.2	1416.8	1524.1	1639.6	1704.9	1781.5
-55°	606.9	698.7	812.3	939.9	1086.3	1185.7	1302.6	1412.3	1561.6	1685.0	1828.5
-57.5°	561.7	641.3	743.1	831.0	983.8	1103.6	1217.5	1348.1	1490.6	1685.8	1941.0
-60°	523.7	599.7	686.8	779.6	890.2	1019.7	1163.8	1293.3	1433.6	1689.1	2140.1
-62.5°	490.8	558.8	632.3	720.2	820.9	934.2	1053.1	1196.4	1365.5	1612.7	2195.9
-65°	450.8	514.8	571.1	663.9	751.1	845.1	947.7	1074.7	1194.6	1419.9	1897.7
-67.5°	406.0	462.8	512.2	598.1	675.8	757.7	850.0	951.6	1059.3	1216.7	1436.2
-70°	363.0	410.2	458.7	532.3	595.5	660.4	746.5	829.3	928.6	1041.5	1183.6
-72.5°	319.0	363.2	405.0	467.6	525.2	570.7	637.7	709.6	786.4	877.0	981.0
-75°	277.4	318.8	349.1	399.2	454.7	489.0	531.0	595.3	659.1	728.9	814.8
-77.5°	232.4	275.7	301.8	336.8	386.0	417.6	457.1	509.0	558.8	618.4	686.2
-80°	175.3	214.3	240.8	271.4	317.2	356.9	381.0	418.0	464.2	516.9	575.2
-82.5°	115.3	146.0	165.0	182.3	215.8	257.1	277.4	299.9	346.2	392.3	437.7
-85°	53.1	67.9	80.0	91.5	110.0	135.1	149.1	162.0	186.1	218.5	238.3
-87.5°	21.0	22.7	24.4	26.1	27.7	29.2	30.7	32.2	33.5	34.9	36.1
-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):

	-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°	55.9	57.6	42.6	44.3	46.1	47.7	49.1	50.4	51.5	52.4	53.2
85°	113.5	119.0	124.2	128.9	133.3	141.7	147.3	151.1	154.5	157.3	167.9
82.5°	212.1	229.2	240.8	252.2	261.8	283.1	294.4	302.3	309.0	314.7	361.3
80°	395.3	444.2	472.1	501.9	520.2	536.9	543.2	550.6	574.1	600.3	651.5
77.5°	680.7	811.5	914.4	980.6	1003.5	997.3	1003.5	1018.7	1056.1	1101.6	1145.6
75°	1261.1	1730.6	2142.9	2358.6	2368.5	2280.0	2560.0	3319.5	3801.3	4005.6	3912.4
72.5°	3748.3	7054.0	10646.6	13190.5	14324.3	15701.6	18384.3	20168.7	20332.3	19378.9	17893.8
70°	13827.8	22447.5	30401.6	37323.2	44239.4	51126.2	57680.2	62397.0	64732.8	65045.2	63263.0
67.5°	30036.4	38924.2	48424.9	59481.0	70801.9	81986.3	93748.7	105122.5	115519.9	124944.6	130667.7
65°	35815.2	48398.3	61520.0	74788.8	87751.0	100301.1	113188.2	126170.2	137132.4	143810.9	148538.8
62.5°	44028.5	60022.2	75527.5	88880.0	99551.6	109901.6	120333.2	128970.0	133167.1	135687.4	137157.9
60°	55444.9	71509.5	85303.9	95524.0	102705.0	108770.3	114110.7	116697.3	117098.7	116665.6	115633.6
57.5°	64830.2	78501.5	88696.2	94884.0	98327.9	100635.4	101788.0	101285.7	99895.1	98104.1	95973.1
55°	70812.5	80584.7	87078.6	89920.0	90686.5	91002.4	89845.8	87384.9	84772.6	82638.1	80994.2
52.5°	72237.2	79347.0	82527.8	83609.9	83295.3	82124.8	79514.2	76277.8	73258.3	71052.7	69031.8
50°	74471.1	78897.0	80957.7	80389.7	79472.2	76977.1	73440.3	70219.4	67245.4	64771.8	62926.4
47.5°	76546.5	79784.3	80197.1	79138.0	77193.7	73881.2	70147.0	66568.4	63743.3	61625.8	59896.0
45°	78937.7	80656.1	80207.0	78033.5	75497.6	71430.0	67634.9	64328.6	61398.9	59211.8	57641.4
42.5°	79114.2	79361.0	77534.9	74814.9	71388.9	66974.1	63209.9	59960.9	57197.5	55172.0	53723.2
40°	76210.2	74755.1	72035.1	68817.7	64753.1	60688.0	57200.8	54180.1	51691.5	49914.8	48679.9
37.5°	70861.2	68465.7	65274.2	61891.4	57804.3	53945.0	50816.0	48157.8	46083.5	44523.9	43401.5
35°	64965.5	62066.8	58998.4	55448.9	51200.8	47891.2	44939.9	42573.1	40555.0	39232.8	38091.9
32.5°	60405.8	57485.5	54303.2	50670.7	46764.3	43466.3	40711.2	38365.0	36526.3	35104.2	34055.4
30°	56605.7	53643.9	50491.2	46909.6	43103.9	39964.1	37284.3	34966.1	33123.5	31646.4	30556.5
27.5°	53114.7	50248.3	47299.5	43755.4	40157.0	37130.9	34476.2	32190.1	30299.4	28670.4	27590.5
25°	50040.3	47480.2	44670.9	41288.9	37882.2	34966.7	32356.6	29978.0	28065.4	26450.8	25228.4
22.5°	47587.2	45292.9	42562.8	39292.4	36127.1	33326.4	30697.0	28362.2	26387.0	24710.3	23410.0
20°	45160.4	43194.9	40756.7	37621.3	34617.1	31897.7	29395.1	27021.9	25051.0	23360.9	21998.0
17.5°	42328.2	40889.1	38674.0	35852.3	33036.9	30527.3	28046.4	25771.0	23783.9	22116.2	20805.2
15°	38711.0	37719.1	36026.6	33599.2	31174.9	28876.5	26572.0	24408.8	22506.9	20937.4	19647.6
12.5°	33853.1	33522.5	32549.1	30616.2	28755.5	26798.0	24811.8	22891.9	21229.5	19772.1	18638.4
10°	28097.1	28338.0	27906.6	26800.1	25565.5	24181.2	22650.2	21202.1	19841.8	18660.4	17701.8
7.5°	21908.2	22421.4	22605.8	22088.2	21505.2	20874.3	20051.6	19144.2	18213.5	17412.4	16743.3
5°	15564.0	16424.8	16956.9	17017.0	16997.3	16917.3	16698.3	16397.7	16028.2	15658.1	15385.6
2.5°	9828.7	10735.8	11549.1	11973.3	12305.3	12649.7	12900.4	13052.3	13150.9	13189.6	13313.9
0°	5260.7	5979.7	6753.3	7344.9	7872.9	8441.7	8974.1	9479.3	9902.5	10271.1	10612.4
-2.5°	3173.3	3410.9	3759.8	4088.7	4498.9	5050.2	5577.5	6144.4	6688.3	7216.4	7735.1
-5°	2338.7	2380.4	2467.3	2535.6	2705.8	3023.4	3370.5	3719.0	4125.8	4578.4	5007.1
-7.5°	2165.6	2167.0	2135.4	2104.3	2111.4	2221.5	2346.9	2474.4	2646.0	2845.8	3059.7
-10°	2128.8	2116.3	2062.2	1998.2	1972.5	1994.0	2011.7	1997.7	2018.1	2047.7	2090.0
-12.5°	2099.6	2082.1	2020.7	1956.1	1930.2	1930.3	1919.2	1889.9	1854.9	1838.8	1829.0
-15°	2058.3	2048.3	1999.4	1931.7	1896.6	1873.9	1855.6	1826.7	1783.7	1760.5	1744.5
-17.5°	2024.7	2017.6	1974.8	1933.4	1865.2	1834.1	1820.6	1779.6	1741.7	1715.1	1695.0
-20°	1973.2	1990.5	1976.7	1911.8	1860.4	1808.4	1773.5	1736.3	1698.4	1681.4	1671.5



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1930.1	1961.0	1970.1	1910.3	1839.6	1790.8	1744.1	1706.7	1674.7	1656.8	1652.9
-25°	1891.0	1926.4	1949.4	1898.1	1834.2	1773.8	1732.7	1691.3	1667.5	1656.5	1646.0
-27.5°	1878.7	1900.7	1929.2	1899.4	1825.4	1769.2	1730.0	1697.0	1684.2	1671.5	1666.8
-30°	1875.1	1905.8	1929.5	1915.2	1848.6	1796.9	1757.2	1736.7	1731.5	1716.1	1715.0
-32.5°	1892.3	1929.9	1930.4	1923.2	1880.9	1825.2	1798.5	1777.9	1773.8	1762.7	1762.8
-35°	1910.9	1947.9	1952.3	1943.6	1924.4	1879.0	1850.1	1836.2	1830.1	1834.9	1834.2
-37.5°	1913.1	1963.6	1980.5	1985.2	1966.4	1934.9	1905.8	1898.2	1895.2	1908.6	1918.3
-40°	1904.1	1942.9	1975.8	1997.1	2008.3	1991.3	1987.1	1984.9	2005.2	2019.9	2052.8
-42.5°	1891.7	1931.1	1974.1	2046.9	2069.2	2113.4	2103.5	2128.4	2179.6	2207.3	2275.9
-45°	1876.5	1909.7	1985.3	2081.5	2201.9	2226.6	2297.5	2381.7	2483.2	2595.0	2688.1
-47.5°	1856.2	1900.8	1965.6	2066.5	2170.2	2303.0	2486.7	2661.3	2850.6	3008.1	3143.9
-50°	1865.3	1934.3	2075.3	2221.9	2360.0	2609.5	2922.0	3184.0	3415.7	3536.8	3610.9
-52.5°	1849.3	2009.8	2256.7	2525.0	2771.1	3230.9	3494.0	3624.2	3669.1	3476.7	3364.7
-55°	2054.1	2308.5	2580.4	2863.6	3049.6	3328.1	3215.6	3057.9	2868.6	2721.1	2804.2
-57.5°	2402.8	2831.6	3139.8	3127.7	2860.6	2594.8	2412.6	2385.2	2438.1	2570.4	2705.5
-60°	2788.6	3233.2	3281.2	2885.6	2509.5	2301.8	2273.2	2344.4	2468.6	2573.0	2706.5
-62.5°	2859.5	3093.1	2908.9	2462.5	2269.0	2249.5	2326.6	2421.9	2464.4	2543.7	2658.4
-65°	2361.5	2398.5	2243.1	2038.7	2052.2	2104.7	2155.4	2227.5	2301.4	2367.5	2443.5
-67.5°	1665.2	1769.3	1769.9	1765.8	1848.7	1912.6	1952.4	2010.1	2064.1	2119.7	2173.5
-70°	1361.8	1452.9	1547.1	1628.7	1696.0	1733.5	1757.8	1812.3	1869.3	1915.5	1950.1
-72.5°	1110.6	1239.4	1360.9	1450.5	1504.7	1517.1	1521.3	1554.8	1605.5	1646.6	1693.1
-75°	917.4	1041.7	1172.9	1253.5	1276.5	1274.5	1270.4	1312.7	1361.6	1405.1	1449.0
-77.5°	771.6	875.5	990.2	1060.8	1080.6	1086.8	1094.4	1113.5	1156.4	1203.5	1256.0
-80°	627.0	705.9	789.5	855.9	891.2	912.6	927.6	973.2	1004.7	1046.1	1075.6
-82.5°	496.2	545.7	600.9	655.9	691.4	712.3	739.0	768.8	796.0	831.5	846.8
-85°	273.7	312.1	350.4	387.3	413.6	435.7	471.4	485.0	508.7	532.8	559.9
-87.5°	41.8	50.0	58.9	68.0	76.3	84.3	93.6	99.4	106.2	112.6	120.5
-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):

	-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°	53.8	54.3	54.5	54.6	54.5	54.3	53.8	53.2	52.4	51.5	50.4
85°	190.0	194.0	184.4	182.0	184.4	194.0	190.0	167.9	157.3	154.5	151.1
82.5°	389.0	435.4	446.4	432.3	446.4	435.4	389.0	361.3	314.7	309.0	302.3
80°	668.1	635.5	650.8	655.3	650.8	635.5	668.1	651.5	600.3	574.1	550.6
77.5°	1169.7	1172.8	1163.0	1155.9	1163.0	1172.8	1169.7	1145.6	1101.6	1056.1	1018.7
75°	3735.5	3529.1	3389.0	3294.8	3389.0	3529.1	3735.5	3912.4	4005.6	3801.3	3319.5
72.5°	16487.4	15379.8	14768.4	14553.4	14768.4	15379.8	16487.4	17893.8	19378.9	20332.3	20168.7
70°	60007.1	56671.4	54752.7	54172.3	54752.7	56671.4	60007.1	63263.0	65045.2	64732.8	62397.0
67.5°	132854.5	133229.8	133934.2	134616.3	133934.2	133229.8	132854.5	130667.7	124944.6	115519.9	105122.5
65°	151161.1	152267.5	153321.1	153998.0	153321.1	152267.5	151161.1	148538.8	143810.9	137132.4	126170.2
62.5°	137532.3	137228.1	137358.8	137624.4	137358.8	137228.1	137532.3	137157.9	135687.4	133167.1	128970.0
60°	114160.8	112646.9	111867.8	111639.4	111867.8	112646.9	114160.8	115633.6	116665.6	117098.7	116697.3
57.5°	94265.6	92876.5	92177.1	92153.1	92177.1	92876.5	94265.6	95973.1	98104.1	99895.1	101285.7
55°	79353.8	77847.7	77076.9	77008.1	77076.9	77847.7	79353.8	80994.2	82638.1	84772.6	87384.9
52.5°	67596.8	66449.2	65899.6	65999.8	65899.6	66449.2	67596.8	69031.8	71052.7	73258.3	76277.8
50°	61749.1	60889.3	60402.9	60452.4	60402.9	60889.3	61749.1	62926.4	64771.8	67245.4	70219.4
47.5°	58709.7	58050.0	57670.9	57644.6	57670.9	58050.0	58709.7	59896.0	61625.8	63743.3	66568.4
45°	56649.3	56085.7	55759.6	55728.7	55759.6	56085.7	56649.3	57641.4	59211.8	61398.9	64328.6
42.5°	52914.2	52393.5	52192.7	52092.6	52192.7	52393.5	52914.2	53723.2	55172.0	57197.5	59960.9
40°	48037.0	47722.3	47663.1	47582.8	47663.1	47722.3	48037.0	48679.9	49914.8	51691.5	54180.1
37.5°	42858.9	42589.5	42442.9	42404.1	42442.9	42589.5	42858.9	43401.5	44523.9	46083.5	48157.8
35°	37512.9	37222.5	36988.2	36961.4	36988.2	37222.5	37512.9	38091.9	39232.8	40555.0	42573.1
32.5°	33435.4	32986.8	32688.4	32638.1	32688.4	32986.8	33435.4	34055.4	35104.2	36526.3	38365.0
30°	29838.9	29212.5	28857.9	28760.9	28857.9	29212.5	29838.9	30556.5	31646.4	33123.5	34966.1
27.5°	26795.4	26102.9	25689.1	25611.7	25689.1	26102.9	26795.4	27590.5	28670.4	30299.4	32190.1
25°	24332.6	23658.4	23189.4	23072.4	23189.4	23658.4	24332.6	25228.4	26450.8	28065.4	29978.0
22.5°	22501.3	21795.0	21285.1	21133.8	21285.1	21795.0	22501.3	23410.0	24710.3	26387.0	28362.2
20°	21059.7	20344.1	19873.1	19695.7	19873.1	20344.1	21059.7	21998.0	23360.9	25051.0	27021.9
17.5°	19857.5	19133.3	18712.5	18649.1	18712.5	19133.3	19857.5	20805.2	22116.2	23783.9	25771.0
15°	18753.6	18089.1	17746.2	17748.0	17746.2	18089.1	18753.6	19647.6	20937.4	22506.9	24408.8
12.5°	17802.3	17204.4	16945.1	17010.7	16945.1	17204.4	17802.3	18638.4	19772.1	21229.5	22891.9
10°	17009.0	16565.1	16349.1	16364.6	16349.1	16565.1	17009.0	17701.8	18660.4	19841.8	21202.1
7.5°	16282.3	15998.6	15844.8	15732.0	15844.8	15998.6	16282.3	16743.3	17412.4	18213.5	19144.2
5°	15252.5	15140.8	15014.8	14881.0	15014.8	15140.8	15252.5	15385.6	15658.1	16028.2	16397.7
2.5°	13487.2	13571.0	13482.7	13415.7	13482.7	13571.0	13487.2	13313.9	13189.6	13150.9	13052.3
0°	11022.0	11194.9	11258.6	11285.9	11258.6	11194.9	11022.0	10612.4	10271.1	9902.5	9479.3
-2.5°	8172.3	8386.0	8550.5	8641.9	8550.5	8386.0	8172.3	7735.1	7216.4	6688.3	6144.4
-5°	5350.7	5585.2	5735.4	5870.5	5735.4	5585.2	5350.7	5007.1	4578.4	4125.8	3719.0
-7.5°	3214.5	3376.1	3455.1	3590.5	3455.1	3376.1	3214.5	3059.7	2845.8	2646.0	2474.4
-10°	2145.1	2197.0	2223.0	2239.0	2223.0	2197.0	2145.1	2090.0	2047.7	2018.1	1997.7
-12.5°	1820.5	1825.3	1849.5	1847.6	1849.5	1825.3	1820.5	1829.0	1838.8	1854.9	1889.9
-15°	1732.2	1734.9	1743.4	1738.4	1743.4	1734.9	1732.2	1744.5	1760.5	1783.7	1826.7
-17.5°	1686.0	1690.3	1698.4	1697.5	1698.4	1690.3	1686.0	1695.0	1715.1	1741.7	1779.6
-20°	1662.8	1651.1	1673.3	1674.7	1673.3	1651.1	1662.8	1671.5	1681.4	1698.4	1736.3



REPORT NUMBER: P902109 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NB-LTM

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1641.2	1638.3	1651.9	1674.7	1651.9	1638.3	1641.2	1652.9	1656.8	1674.7	1706.7
-25°	1638.6	1638.3	1644.1	1674.7	1644.1	1638.3	1638.6	1646.0	1656.5	1667.5	1691.3
-27.5°	1660.4	1655.7	1667.4	1688.3	1667.4	1655.7	1660.4	1666.8	1671.5	1684.2	1697.0
-30°	1699.0	1703.4	1731.4	1747.5	1731.4	1703.4	1699.0	1715.0	1716.1	1731.5	1736.7
-32.5°	1763.5	1774.4	1794.4	1797.6	1794.4	1774.4	1763.5	1762.8	1762.7	1773.8	1777.9
-35°	1840.2	1850.5	1867.9	1874.9	1867.9	1850.5	1840.2	1834.2	1834.9	1830.1	1836.2
-37.5°	1932.6	1938.9	1950.3	1952.2	1950.3	1938.9	1932.6	1918.3	1908.6	1895.2	1898.2
-40°	2072.8	2084.0	2101.1	2111.6	2101.1	2084.0	2072.8	2052.8	2019.9	2005.2	1984.9
-42.5°	2332.6	2370.8	2386.9	2398.2	2386.9	2370.8	2332.6	2275.9	2207.3	2179.6	2128.4
-45°	2768.3	2832.4	2865.1	2876.0	2865.1	2832.4	2768.3	2688.1	2595.0	2483.2	2381.7
-47.5°	3243.0	3339.0	3379.6	3394.9	3379.6	3339.0	3243.0	3143.9	3008.1	2850.6	2661.3
-50°	3718.4	3810.1	3864.3	3877.3	3864.3	3810.1	3718.4	3610.9	3536.8	3415.7	3184.0
-52.5°	3317.4	3314.8	3285.8	3267.5	3285.8	3314.8	3317.4	3364.7	3476.7	3669.1	3624.2
-55°	2874.8	2950.8	2975.5	2976.2	2975.5	2950.8	2874.8	2804.2	2721.1	2868.6	3057.9
-57.5°	2874.7	3014.0	3038.7	3039.9	3038.7	3014.0	2874.7	2705.5	2570.4	2438.1	2385.2
-60°	2867.0	3000.5	3038.2	3039.9	3038.2	3000.5	2867.0	2706.5	2573.0	2468.6	2344.4
-62.5°	2774.8	2856.6	2877.8	2907.9	2877.8	2856.6	2774.8	2658.4	2543.7	2464.4	2421.9
-65°	2548.3	2613.4	2627.8	2684.9	2627.8	2613.4	2548.3	2443.5	2367.5	2301.4	2227.5
-67.5°	2247.7	2301.4	2353.6	2380.0	2353.6	2301.4	2247.7	2173.5	2119.7	2064.1	2010.1
-70°	1994.8	2035.4	2020.2	2020.5	2020.2	2035.4	1994.8	1950.1	1915.5	1869.3	1812.3
-72.5°	1743.9	1772.1	1774.8	1756.6	1774.8	1772.1	1743.9	1693.1	1646.6	1605.5	1554.8
-75°	1526.9	1558.8	1558.0	1538.2	1558.0	1558.8	1526.9	1449.0	1405.1	1361.6	1312.7
-77.5°	1355.2	1382.0	1368.9	1347.0	1368.9	1382.0	1355.2	1256.0	1203.5	1156.4	1113.5
-80°	1161.0	1178.9	1164.3	1146.8	1164.3	1178.9	1161.0	1075.6	1046.1	1004.7	973.2
-82.5°	897.9	923.0	909.2	901.1	909.2	923.0	897.9	846.8	831.5	796.0	768.8
-85°	573.1	597.1	599.8	582.5	599.8	597.1	573.1	559.9	532.8	508.7	485.0
-87.5°	124.8	130.1	131.5	127.4	131.5	130.1	124.8	120.5	112.6	106.2	99.4
-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: P902109 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NB-LTM

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°	49.1	47.7	46.1	44.3	42.6	57.6	55.9	54.1	52.2	46.8	32.2
85°	147.3	141.7	133.3	128.9	124.2	119.0	113.5	108.2	104.5	99.6	84.9
82.5°	294.4	283.1	261.8	252.2	240.8	229.2	212.1	197.6	186.8	164.4	152.8
80°	543.2	536.9	520.2	501.9	472.1	444.2	395.3	354.5	316.8	280.8	257.5
77.5°	1003.5	997.3	1003.5	980.6	914.4	811.5	680.7	567.1	491.7	433.8	392.6
75°	2560.0	2280.0	2368.5	2358.6	2142.9	1730.6	1261.1	939.6	780.3	660.0	568.4
72.5°	18384.3	15701.6	14324.3	13190.5	10646.6	7054.0	3748.3	2046.8	1604.3	1251.1	896.3
70°	57680.2	51126.2	44239.4	37323.2	30401.6	22447.5	13827.8	7715.3	4650.9	2827.1	1666.6
67.5°	93748.7	81986.3	70801.9	59481.0	48424.9	38924.2	30036.4	20246.7	11466.2	5883.6	3222.4
65°	113188.2	100301.1	87751.0	74788.8	61520.0	48398.3	35815.2	25296.1	17297.2	10044.3	5002.6
62.5°	120333.2	109901.6	99551.6	88880.0	75527.5	60022.2	44028.5	30561.5	20878.4	13994.2	7780.4
60°	114110.7	108770.3	102705.0	95524.0	85303.9	71509.5	55444.9	38683.6	25057.3	16606.7	10640.0
57.5°	101788.0	100635.4	98327.9	94884.0	88696.2	78501.5	64830.2	47273.5	30823.2	19737.5	13399.5
55°	89845.8	91002.4	90686.5	89920.0	87078.6	80584.7	70812.5	54724.8	37501.8	23687.9	15169.7
52.5°	79514.2	82124.8	83295.3	83609.9	82527.8	79347.0	72237.2	59901.2	44013.2	28226.3	17622.2
50°	73440.3	76977.1	79472.2	80389.7	80957.7	78897.0	74471.1	64382.8	50396.7	33629.8	21154.6
47.5°	70147.0	73881.2	77193.7	79138.0	80197.1	79784.3	76546.5	69093.7	56530.1	40689.4	26051.8
45°	67634.9	71430.0	75497.6	78033.5	80207.0	80656.1	78937.7	73559.0	62574.0	47863.5	31274.4
42.5°	63209.9	66974.1	71388.9	74814.9	77534.9	79361.0	79114.2	76189.9	67457.2	54188.1	38466.2
40°	57200.8	60688.0	64753.1	68817.7	72035.1	74755.1	76210.2	75104.8	69869.6	58673.7	43760.8
37.5°	50816.0	53945.0	57804.3	61891.4	65274.2	68465.7	70861.2	71235.6	68052.5	60149.9	47531.5
35°	44939.9	47891.2	51200.8	55448.9	58998.4	62066.8	64965.5	66554.1	65124.6	59197.8	48729.7
32.5°	40711.2	43466.3	46764.3	50670.7	54303.2	57485.5	60405.8	62666.8	62496.6	58129.9	49439.0
30°	37284.3	39964.1	43103.9	46909.6	50491.2	53643.9	56605.7	59006.7	59759.9	57028.0	49817.1
27.5°	34476.2	37130.9	40157.0	43755.4	47299.5	50248.3	53114.7	55622.0	56803.1	54977.0	49034.0
25°	32356.6	34966.7	37882.2	41288.9	44670.9	47480.2	50040.3	52496.4	53974.8	52807.5	47767.5
22.5°	30697.0	33326.4	36127.1	39292.4	42562.8	45292.9	47587.2	49659.0	50929.3	49920.8	45311.0
20°	29395.1	31897.7	34617.1	37621.3	40756.7	43194.9	45160.4	46818.4	47951.6	46789.0	42343.7
17.5°	28046.4	30527.3	33036.9	35852.3	38674.0	40889.1	42328.2	43464.5	43975.3	42377.3	38277.9
15°	26572.0	28876.5	31174.9	33599.2	36026.6	37719.1	38711.0	39156.4	38996.3	37123.5	33233.7
12.5°	24811.8	26798.0	28755.5	30616.2	32549.1	33522.5	33853.1	33782.2	33137.3	31245.4	27728.9
10°	22650.2	24181.2	25565.5	26800.1	27906.6	28338.0	28097.1	27692.7	26676.1	24705.2	21654.6
7.5°	20051.6	20874.3	21505.2	22088.2	22605.8	22421.4	21908.2	21147.5	19994.4	18108.5	15527.5
5°	16698.3	16917.3	16997.3	17017.0	16956.9	16424.8	15564.0	14698.7	13510.6	11903.3	9856.0
2.5°	12900.4	12649.7	12305.3	11973.3	11549.1	10735.8	9828.7	8955.5	7995.7	6876.4	5655.1
0°	8974.1	8441.7	7872.9	7344.9	6753.3	5979.7	5260.7	4705.5	4223.1	3790.8	3358.5
-2.5°	5577.5	5050.2	4498.9	4088.7	3759.8	3410.9	3173.3	2977.8	2835.2	2723.3	2605.7
-5°	3370.5	3023.4	2705.8	2535.6	2467.3	2380.4	2338.7	2341.8	2341.2	2355.6	2346.1
-7.5°	2346.9	2221.5	2111.4	2104.3	2135.4	2167.0	2165.6	2177.3	2195.7	2234.3	2268.2
-10°	2011.7	1994.0	1972.5	1998.2	2062.2	2116.3	2128.8	2116.0	2123.1	2160.7	2205.2
-12.5°	1919.2	1930.3	1930.2	1956.1	2020.7	2082.1	2099.6	2070.7	2062.4	2103.1	2142.8
-15°	1855.6	1873.9	1896.6	1931.7	1999.4	2048.3	2058.3	2026.0	2014.3	2051.5	2094.0
-17.5°	1820.6	1834.1	1865.2	1933.4	1974.8	2017.6	2024.7	1993.2	1978.4	2005.1	2049.2
-20°	1773.5	1808.4	1860.4	1911.8	1976.7	1990.5	1973.2	1951.5	1931.8	1975.8	2006.5



REPORT NUMBER: P902109 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NB-LTM

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1744.1	1790.8	1839.6	1910.3	1970.1	1961.0	1930.1	1920.4	1911.8	1945.6	1971.8
-25°	1732.7	1773.8	1834.2	1898.1	1949.4	1926.4	1891.0	1885.6	1887.1	1915.1	1937.0
-27.5°	1730.0	1769.2	1825.4	1899.4	1929.2	1900.7	1878.7	1863.3	1873.6	1886.6	1891.6
-30°	1757.2	1796.9	1848.6	1915.2	1929.5	1905.8	1875.1	1864.3	1871.3	1865.6	1856.5
-32.5°	1798.5	1825.2	1880.9	1923.2	1930.4	1929.9	1892.3	1884.0	1864.8	1843.4	1823.4
-35°	1850.1	1879.0	1924.4	1943.6	1952.3	1947.9	1910.9	1893.2	1868.1	1839.7	1835.6
-37.5°	1905.8	1934.9	1966.4	1985.2	1980.5	1963.6	1913.1	1884.1	1866.3	1849.4	1872.1
-40°	1987.1	1991.3	2008.3	1997.1	1975.8	1942.9	1904.1	1869.7	1861.6	1871.0	1821.2
-42.5°	2103.5	2113.4	2069.2	2046.9	1974.1	1931.1	1891.7	1864.8	1845.9	1822.2	1765.2
-45°	2297.5	2226.6	2201.9	2081.5	1985.3	1909.7	1876.5	1857.9	1806.2	1765.4	1704.9
-47.5°	2486.7	2303.0	2170.2	2066.5	1965.6	1900.8	1856.2	1820.5	1757.2	1716.7	1657.4
-50°	2922.0	2609.5	2360.0	2221.9	2075.3	1934.3	1865.3	1779.9	1712.2	1694.0	1594.2
-52.5°	3494.0	3230.9	2771.1	2525.0	2256.7	2009.8	1849.3	1781.5	1704.9	1639.6	1524.1
-55°	3215.6	3328.1	3049.6	2863.6	2580.4	2308.5	2054.1	1828.5	1685.0	1561.6	1412.3
-57.5°	2412.6	2594.8	2860.6	3127.7	3139.8	2831.6	2402.8	1941.0	1685.8	1490.6	1348.1
-60°	2273.2	2301.8	2509.5	2885.6	3281.2	3233.2	2788.6	2140.1	1689.1	1433.6	1293.3
-62.5°	2326.6	2249.5	2269.0	2462.5	2908.9	3093.1	2859.5	2195.9	1612.7	1365.5	1196.4
-65°	2155.4	2104.7	2052.2	2038.7	2243.1	2398.5	2361.5	1897.7	1419.9	1194.6	1074.7
-67.5°	1952.4	1912.6	1848.7	1765.8	1769.9	1769.3	1665.2	1436.2	1216.7	1059.3	951.6
-70°	1757.8	1733.5	1696.0	1628.7	1547.1	1452.9	1361.8	1183.6	1041.5	928.6	829.3
-72.5°	1521.3	1517.1	1504.7	1450.5	1360.9	1239.4	1110.6	981.0	877.0	786.4	709.6
-75°	1270.4	1274.5	1276.5	1253.5	1172.9	1041.7	917.4	814.8	728.9	659.1	595.3
-77.5°	1094.4	1086.8	1080.6	1060.8	990.2	875.5	771.6	686.2	618.4	558.8	509.0
-80°	927.6	912.6	891.2	855.9	789.5	705.9	627.0	575.2	516.9	464.2	418.0
-82.5°	739.0	712.3	691.4	655.9	600.9	545.7	496.2	437.7	392.3	346.2	299.9
-85°	471.4	435.7	413.6	387.3	350.4	312.1	273.7	238.3	218.5	186.1	162.0
-87.5°	93.6	84.3	76.3	68.0	58.9	50.0	41.8	36.1	34.9	33.5	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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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NB-LTM

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°	30.7	29.2	27.7	26.1	24.4	22.7	21.0	19.2	17.4	15.6	13.7
85°	74.0	69.5	64.8	60.0	55.1	50.0	44.8	39.4	34.8	31.1	27.3
82.5°	139.2	128.0	116.4	104.4	92.0	84.0	76.1	68.1	60.0	51.7	43.2
80°	229.5	204.3	185.7	169.1	152.6	135.4	116.6	98.6	85.8	74.8	63.5
77.5°	341.9	291.1	267.9	243.8	217.5	190.9	164.0	136.4	118.3	99.9	83.7
75°	478.3	414.8	368.8	330.4	284.4	247.0	216.6	178.5	152.3	130.3	107.4
72.5°	680.5	577.0	491.0	431.9	376.9	319.6	272.1	231.5	190.4	160.3	132.6
70°	1103.3	783.3	627.9	534.6	463.8	405.4	342.8	283.8	228.3	189.3	156.8
67.5°	1763.5	1013.9	769.6	638.4	542.7	474.3	407.6	337.7	268.5	217.6	178.0
65°	2624.0	1320.9	920.2	744.0	628.0	540.1	462.3	390.4	313.5	249.1	197.3
62.5°	3839.3	2129.3	1167.9	880.3	720.0	622.8	524.9	445.6	357.3	284.6	214.7
60°	5632.8	3046.8	1588.6	1038.0	818.1	704.6	603.0	498.2	399.1	317.0	241.3
57.5°	8328.8	4134.0	2262.6	1173.1	918.2	777.1	670.2	559.6	437.2	348.5	267.4
55°	10520.9	6254.6	3166.4	1691.7	1004.5	846.2	730.7	624.1	488.7	381.1	292.7
52.5°	12244.7	8237.2	4188.7	2205.7	1267.4	911.3	790.2	678.7	537.7	414.8	320.4
50°	13608.6	10175.6	6241.8	2758.0	1517.5	1026.1	846.9	725.4	580.5	457.5	345.7
47.5°	16571.6	11422.9	8388.8	4406.4	2050.6	1130.2	914.1	776.5	627.4	496.4	368.1
45°	19979.9	13441.9	9677.8	6380.2	2921.5	1488.5	1008.6	834.3	673.3	531.7	393.8
42.5°	23999.3	15622.3	11200.5	7785.5	4318.1	1867.0	1096.7	899.2	721.0	570.7	427.8
40°	28890.0	18505.1	12581.6	9096.5	5451.2	2533.6	1335.9	963.1	767.3	607.5	458.9
37.5°	32505.7	21063.5	14101.0	9817.2	6438.6	3275.6	1532.5	1017.1	808.2	642.1	486.6
35°	35037.5	22947.7	14928.1	10037.7	7062.7	3802.9	1766.5	1091.2	846.4	668.9	510.7
32.5°	36898.1	24657.2	16009.1	10372.3	6901.5	4170.3	2094.2	1183.9	881.1	693.1	529.3
30°	38578.0	25805.6	16741.0	10438.6	6560.7	4297.2	2261.5	1239.8	916.8	713.9	545.6
27.5°	38923.9	26903.1	17343.4	10644.5	6413.1	4110.9	2322.5	1277.1	954.7	731.9	561.2
25°	38663.8	27096.4	17353.5	10601.2	6142.7	3785.9	2251.4	1369.7	996.4	746.5	576.0
22.5°	37034.2	26265.2	16820.6	10093.7	5702.6	3356.8	2129.7	1375.0	1005.5	757.8	581.8
20°	34587.5	24738.6	15836.8	9445.9	5199.9	2974.3	1902.1	1365.4	1009.7	763.7	584.4
17.5°	31331.0	22414.7	14209.9	8447.8	4661.9	2600.0	1778.0	1336.1	1017.6	771.7	585.6
15°	27039.1	19354.2	12203.8	7200.0	4002.1	2338.5	1626.4	1303.7	1030.1	778.5	589.2
12.5°	22318.1	15896.8	10062.7	5937.7	3322.9	2028.9	1548.8	1272.8	1034.1	780.4	595.0
10°	17283.9	12311.9	7749.2	4659.3	2749.8	1827.4	1465.1	1241.4	1028.2	775.6	597.7
7.5°	12232.6	8761.9	5630.1	3459.5	2225.0	1665.8	1424.5	1219.6	1016.5	766.5	597.5
5°	7730.9	5701.9	3903.5	2697.6	1962.2	1573.9	1388.8	1191.7	998.7	765.8	594.7
2.5°	4538.9	3562.3	2727.9	2174.6	1796.8	1540.9	1377.7	1162.0	974.5	766.4	589.8
0°	2912.5	2512.0	2179.8	1938.6	1724.8	1529.1	1365.2	1128.6	946.6	764.5	582.5
-2.5°	2465.3	2283.9	2091.0	1923.9	1734.6	1548.2	1375.2	1139.1	945.0	763.0	577.0
-5°	2306.1	2193.1	2048.9	1915.0	1751.4	1565.4	1381.2	1144.0	940.0	758.2	569.3
-7.5°	2253.6	2154.8	2032.5	1908.1	1785.1	1585.0	1388.5	1145.2	929.1	750.0	559.7
-10°	2190.2	2129.5	2022.1	1895.9	1780.3	1600.5	1392.2	1140.9	910.6	739.2	553.7
-12.5°	2143.0	2103.1	2005.3	1877.9	1764.2	1614.4	1402.4	1132.0	890.4	725.9	546.7
-15°	2102.5	2065.3	1974.1	1858.7	1743.7	1606.1	1402.7	1114.6	891.7	710.2	537.6
-17.5°	2061.5	2023.4	1936.6	1836.8	1719.8	1590.7	1373.6	1099.7	884.2	692.2	526.3
-20°	2019.1	1975.1	1904.6	1811.9	1692.4	1544.1	1336.7	1077.8	856.5	672.4	513.0



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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°	1979.8	1929.6	1880.7	1783.9	1655.0	1480.1	1290.3	1035.7	820.4	652.0	497.5
-25°	1936.8	1893.4	1851.5	1730.3	1599.0	1433.4	1239.0	981.5	786.0	631.9	481.7
-27.5°	1882.7	1858.3	1814.9	1651.6	1525.8	1387.7	1182.8	924.6	754.5	612.1	467.6
-30°	1841.2	1810.6	1767.9	1597.9	1471.5	1331.1	1120.7	892.5	723.4	589.2	452.0
-32.5°	1829.6	1800.5	1678.6	1539.1	1419.9	1259.3	1056.8	862.1	690.5	564.7	435.1
-35°	1827.6	1771.5	1627.9	1475.9	1371.3	1193.7	987.3	829.2	661.8	541.6	417.4
-37.5°	1799.8	1710.8	1588.4	1429.2	1304.9	1142.0	939.2	792.8	632.6	519.8	400.8
-40°	1738.4	1644.3	1524.8	1369.8	1237.6	1095.8	907.6	750.0	606.9	498.0	384.6
-42.5°	1667.2	1555.7	1431.5	1314.9	1183.2	1035.6	848.2	700.9	581.1	476.6	366.6
-45°	1603.1	1507.8	1389.0	1280.5	1138.3	993.1	793.4	661.2	554.1	455.7	347.1
-47.5°	1558.4	1460.1	1368.2	1220.2	1087.3	944.2	743.2	623.9	527.7	432.4	329.9
-50°	1503.8	1390.2	1308.3	1159.5	1018.0	851.6	699.2	586.9	499.6	406.0	313.7
-52.5°	1416.8	1296.2	1206.2	1063.5	919.8	766.4	655.5	554.6	469.8	379.4	295.3
-55°	1302.6	1185.7	1086.3	939.9	812.3	698.7	606.9	519.6	438.6	357.7	275.3
-57.5°	1217.5	1103.6	983.8	831.0	743.1	641.3	561.7	484.7	407.2	335.5	258.7
-60°	1163.8	1019.7	890.2	779.6	686.8	599.7	523.7	449.2	380.8	313.4	242.7
-62.5°	1053.1	934.2	820.9	720.2	632.3	558.8	490.8	417.1	354.0	291.7	226.1
-65°	947.7	845.1	751.1	663.9	571.1	514.8	450.8	384.5	324.6	268.5	211.8
-67.5°	850.0	757.7	675.8	598.1	512.2	462.8	406.0	346.1	291.9	243.7	194.8
-70°	746.5	660.4	595.5	532.3	458.7	410.2	363.0	306.4	258.3	217.6	175.0
-72.5°	637.7	570.7	525.2	467.6	405.0	363.2	319.0	269.5	225.8	190.4	150.8
-75°	531.0	489.0	454.7	399.2	349.1	318.8	277.4	232.0	192.1	162.1	125.6
-77.5°	457.1	417.6	386.0	336.8	301.8	275.7	232.4	189.7	156.4	133.1	99.4
-80°	381.0	356.9	317.2	271.4	240.8	214.3	175.3	144.6	118.8	98.9	72.6
-82.5°	277.4	257.1	215.8	182.3	165.0	146.0	115.3	94.2	75.7	61.5	45.5
-85°	149.1	135.1	110.0	91.5	80.0	67.9	53.1	41.9	34.8	31.1	27.3
-87.5°	30.7	29.2	27.7	26.1	24.4	22.7	21.0	19.2	17.4	15.6	13.7
-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°	11.8	9.8	7.9	5.9	4.0	2.0	0.0
85°	23.5	19.7	15.8	11.9	7.9	4.0	0.0
82.5°	35.2	29.5	23.6	17.8	11.9	5.9	0.0
80°	52.1	40.6	31.4	23.6	15.8	7.9	0.0
77.5°	69.5	55.1	40.5	29.5	19.7	9.8	0.0
75°	86.7	69.5	51.4	35.2	23.5	11.8	0.0
72.5°	105.2	83.7	61.9	40.8	27.3	13.7	0.0
70°	123.6	96.4	71.7	46.1	31.1	15.6	0.0
67.5°	141.3	106.4	80.9	51.2	34.8	17.4	0.0
65°	156.5	114.7	86.9	56.1	37.8	19.2	0.0
62.5°	168.8	121.0	90.8	60.7	40.3	21.0	0.0
60°	179.8	128.4	95.0	64.9	42.6	22.7	0.0
57.5°	189.4	140.0	99.7	69.0	44.8	24.4	0.0
55°	211.4	152.6	104.8	74.0	46.8	26.1	0.0
52.5°	232.9	166.4	111.6	78.9	48.7	27.7	0.0
50°	252.1	181.4	123.4	83.8	50.4	29.2	0.0
47.5°	269.5	195.8	134.5	88.7	51.9	30.7	0.0
45°	290.3	209.7	144.4	93.6	53.3	32.2	0.0
42.5°	311.2	222.9	153.3	98.4	54.4	33.5	0.0
40°	330.8	235.5	161.1	103.2	55.4	34.9	0.0
37.5°	345.9	247.4	167.9	107.9	56.2	36.1	0.0
35°	360.5	257.1	174.2	113.0	58.5	36.8	0.0
32.5°	374.5	265.4	179.9	117.9	61.1	37.4	0.0
30°	386.2	273.6	184.7	122.6	63.6	37.9	0.0
27.5°	398.2	281.5	190.7	126.9	66.4	38.4	0.0
25°	407.7	289.3	196.0	130.9	69.1	38.8	0.0
22.5°	413.7	296.3	200.5	134.5	71.5	39.2	0.0
20°	417.6	301.2	204.2	137.7	73.6	39.6	0.0
17.5°	421.5	304.5	207.1	139.6	75.6	39.9	0.0
15°	424.6	306.3	209.3	140.7	77.2	40.2	0.0
12.5°	426.7	306.6	209.6	141.1	78.7	40.4	0.0
10°	427.5	305.9	208.8	141.0	79.8	40.6	0.0
7.5°	428.3	304.6	207.4	140.5	80.7	40.8	0.0
5°	427.3	302.6	205.6	139.5	81.4	40.9	0.0
2.5°	423.9	299.7	203.1	138.2	81.8	40.9	0.0
0°	418.7	295.8	200.2	136.5	81.9	41.0	0.0
-2.5°	417.9	295.2	200.0	138.2	82.8	41.2	0.0
-5°	415.5	293.6	199.3	139.5	83.5	41.4	0.0
-7.5°	411.5	290.8	198.3	140.5	84.0	41.5	0.0
-10°	406.2	287.0	197.0	141.0	84.3	41.6	0.0
-12.5°	399.8	282.9	195.6	141.1	84.4	41.5	0.0
-15°	391.4	278.8	194.3	140.7	84.4	41.4	0.0
-17.5°	381.1	274.6	193.2	139.6	84.4	41.3	0.0
-20°	370.0	270.0	191.5	137.7	84.2	41.0	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	362.1	264.6	189.3	134.5	84.0	40.6	0.0
-25°	354.1	259.1	186.4	130.9	83.8	40.1	0.0
-27.5°	344.6	253.6	182.8	126.9	83.6	39.6	0.0
-30°	333.9	248.0	178.8	122.6	83.4	38.9	0.0
-32.5°	323.2	242.5	176.1	117.9	82.5	38.1	0.0
-35°	311.0	236.9	172.6	113.0	81.6	37.2	0.0
-37.5°	299.0	230.2	168.2	108.6	80.3	36.1	0.0
-40°	287.6	221.4	162.7	106.7	78.0	34.9	0.0
-42.5°	275.5	212.1	156.7	105.2	75.5	33.5	0.0
-45°	263.4	202.4	150.3	104.0	72.6	32.2	0.0
-47.5°	250.3	192.1	143.4	102.3	69.4	30.7	0.0
-50°	237.7	181.4	136.3	100.2	65.9	29.2	0.0
-52.5°	223.2	174.1	129.6	97.6	62.1	27.7	0.0
-55°	206.6	166.8	125.3	94.7	58.0	26.1	0.0
-57.5°	190.3	159.2	121.1	91.3	53.7	24.4	0.0
-60°	183.6	151.4	116.5	84.0	49.1	22.7	0.0
-62.5°	175.8	142.9	111.5	76.1	44.3	21.0	0.0
-65°	166.8	133.8	106.2	68.1	39.3	19.2	0.0
-67.5°	154.8	124.2	97.4	60.0	34.8	17.4	0.0
-70°	139.5	114.1	84.5	51.7	31.1	15.6	0.0
-72.5°	122.6	99.4	70.9	43.2	27.3	13.7	0.0
-75°	103.4	80.5	56.7	35.2	23.5	11.8	0.0
-77.5°	80.5	61.3	41.9	29.5	19.7	9.8	0.0
-80°	57.4	42.0	31.4	23.6	15.8	7.9	0.0
-82.5°	35.2	29.5	23.6	17.8	11.9	5.9	0.0
-85°	23.5	19.7	15.8	11.9	7.9	4.0	0.0
-87.5°	11.8	9.8	7.9	5.9	4.0	2.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)