

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: P902100 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-A55-NWB-LT**

Issue Date: 11/13/2024

**Test Information**

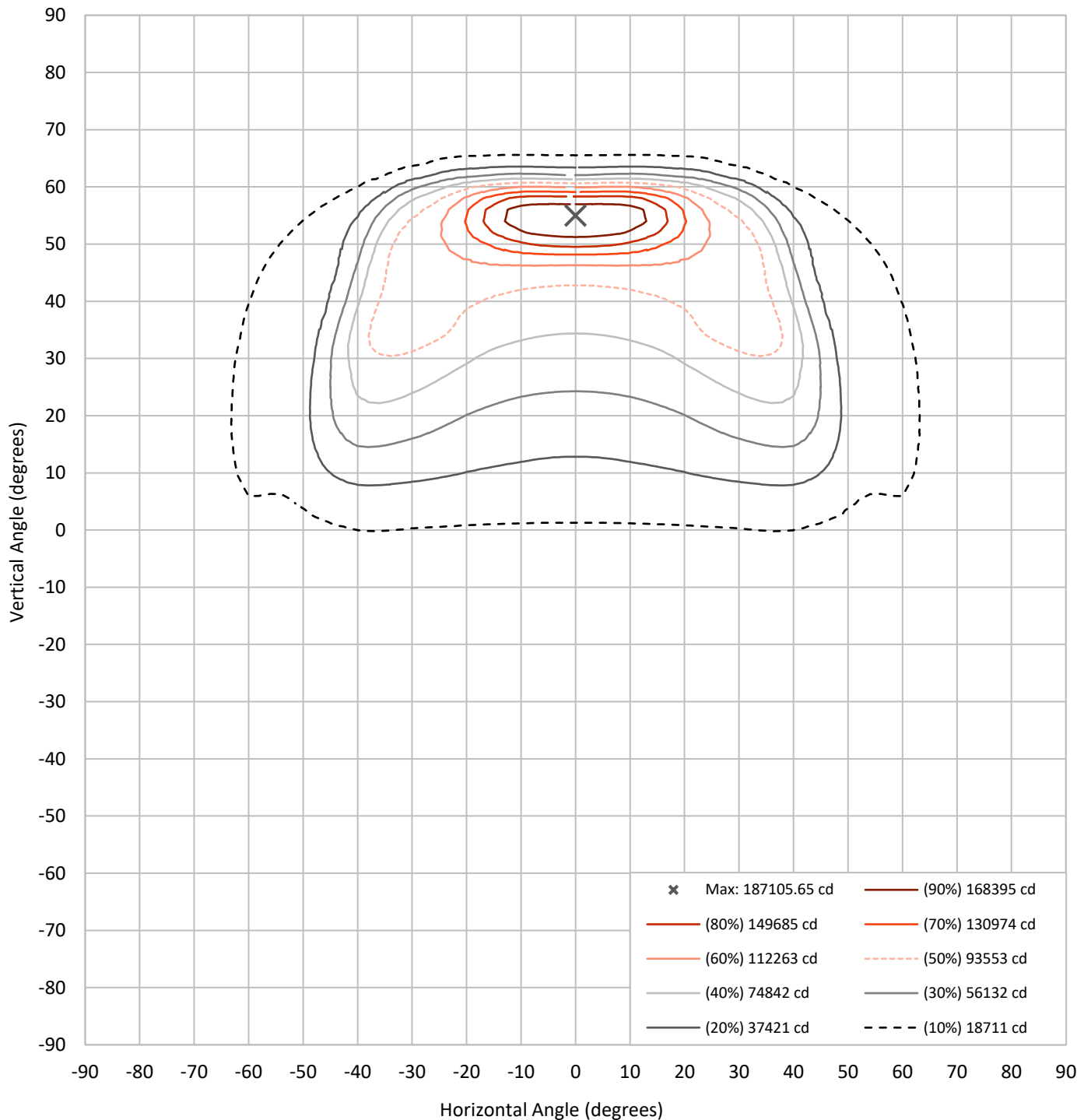
Test Method: LM-79-08  
Report Number: P902100 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( LVM2J484U1)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/13/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-AV-03-1360S-57-85-A55-NWB-LT  
Description: ARENAVISION LUMINAIRE  
5700K, 85 CRI LEDS AND A55-NWB-LT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	139354.1 lumens	Max Intensity:	187105.7 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 55°V
Efficacy:	98.6 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	59.8°H x 17.7°V	Field Angle (10%):	97.9°H x 63.9°V
Beam Lumens:	49977.2 lumens	Field Lumens:	120965.1 lumens
Beam Efficiency:	35.9%	Field Efficiency:	86.8%
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		

REPORT NUMBER: P902100 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NWB-LT

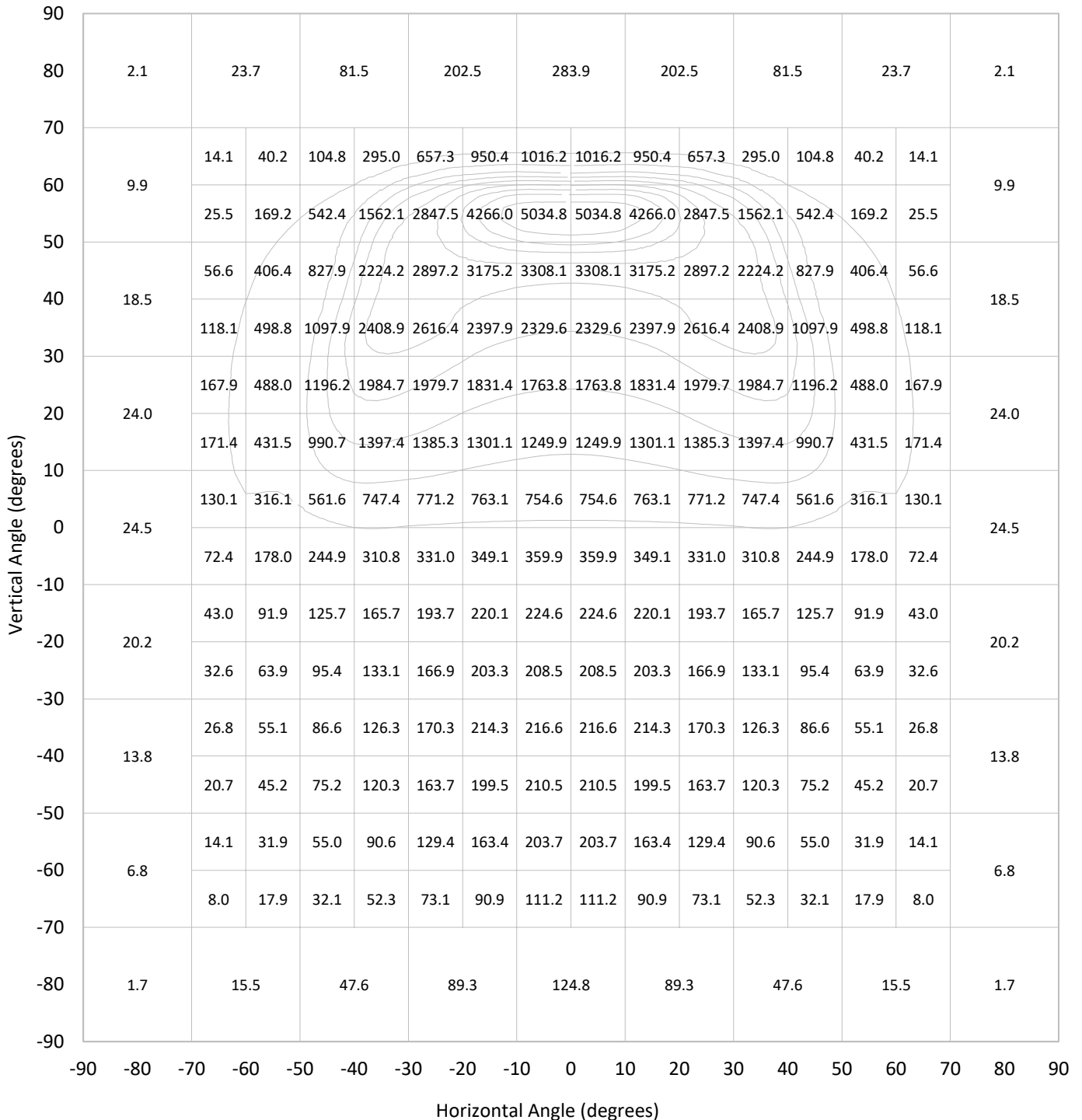
### Iso-Candela Plot





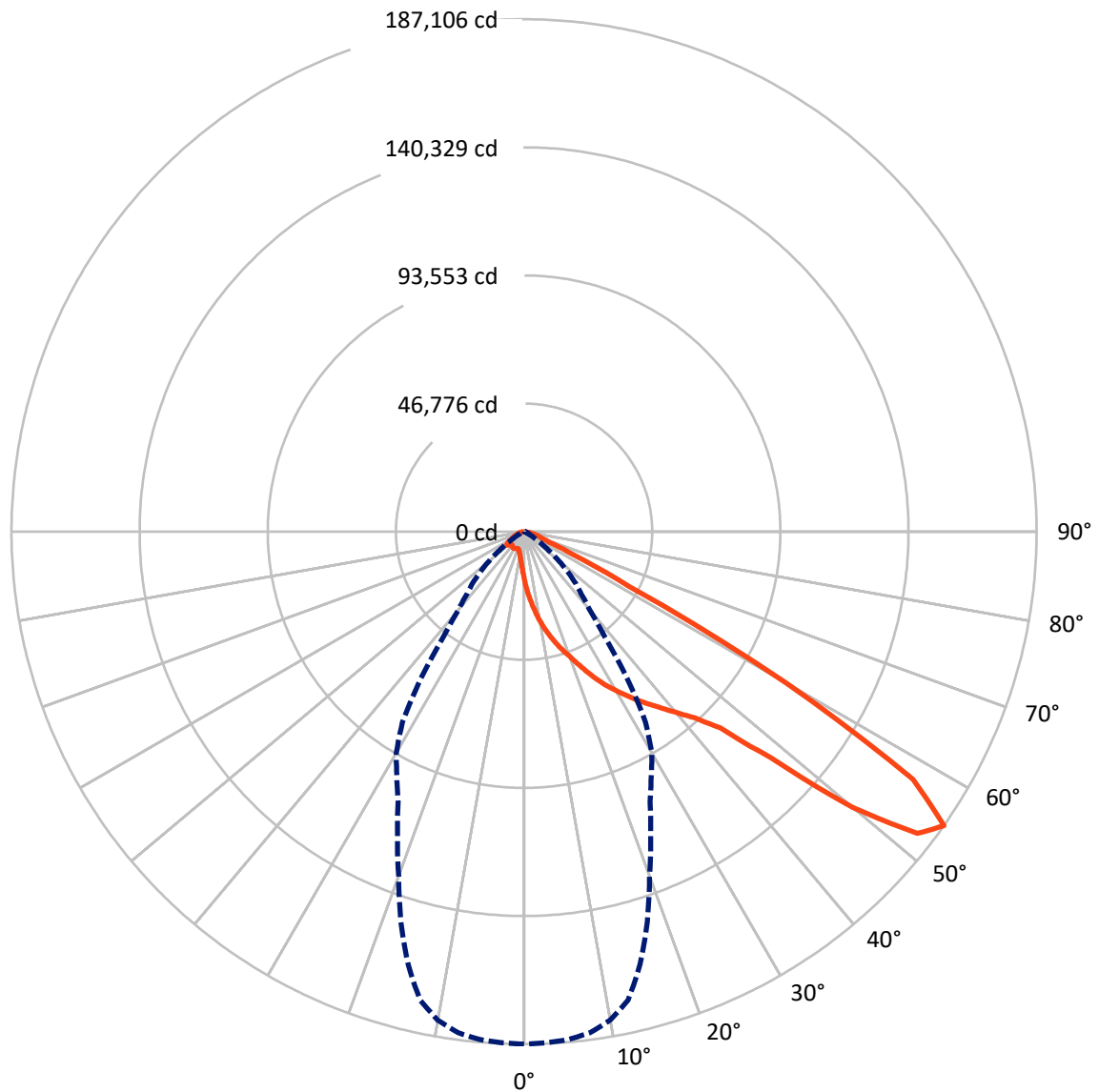
REPORT NUMBER: P902100 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NWB-LT

### Lumen Table



REPORT NUMBER: P902100 (CONVERTED FROM TYPE C PHOTOMETRY)  
CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NWB-LT

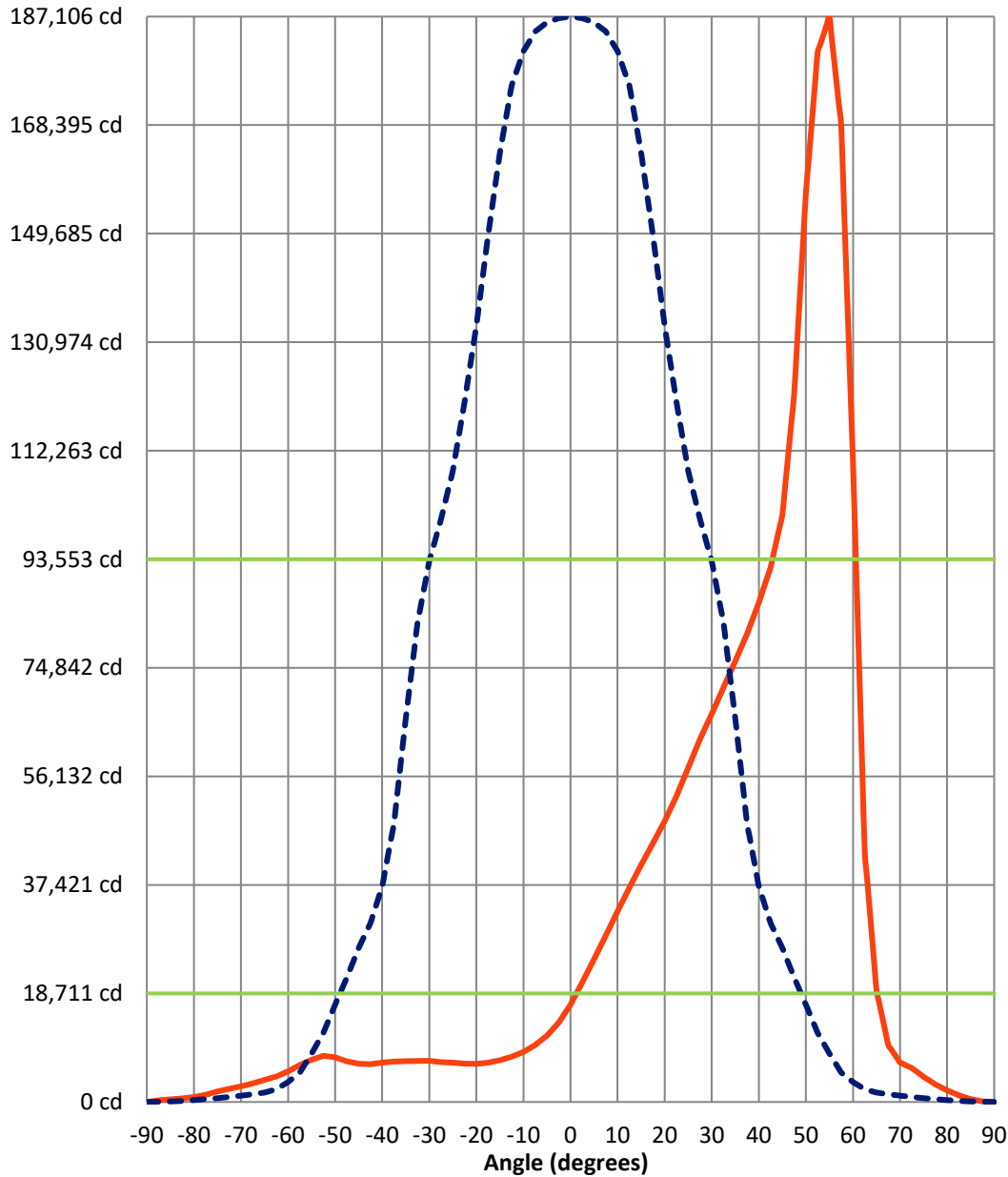
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 55-Deg

REPORT NUMBER: P902100 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NWB-LT

### Luminous Intensity Plot



**Beam:**  
 H Angle: 59.8°  
 V Angle: 17.7°  
 Lumens: 49977.2  
 Efficiency: 35.9%

**Field:**  
 H Angle: 97.9°  
 V Angle: 63.9°  
 Lumens: 120965.1  
 Efficiency: 86.8%

**Spill:**  
 Lumens: 18389  
 Efficiency: 13.2%

- Vertical Distribution through 0-Deg
- - - Horizontal Distribution through 55-Deg



REPORT NUMBER: P902100 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NWB-LT

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	2.7	6.5	9.8	13.0	16.3	19.4	21.9	24.9	27.0	25.0
85°	0.0	5.4	13.1	19.6	26.1	32.5	38.8	43.7	49.7	54.0	54.5
82.5°	0.0	8.0	19.5	29.3	39.0	48.6	58.2	72.6	89.3	106.2	120.0
80°	0.0	10.7	25.9	39.0	51.9	69.1	94.3	115.3	136.6	160.5	194.0
77.5°	0.0	13.4	32.2	48.6	68.7	99.9	131.9	157.9	196.5	252.5	304.6
75°	0.0	16.0	38.4	58.2	92.2	130.4	169.1	223.2	286.8	353.2	426.9
72.5°	0.0	18.6	44.4	72.0	115.0	160.4	225.1	300.2	376.1	472.7	579.1
70°	0.0	21.3	50.2	86.5	137.1	200.1	286.8	375.5	480.8	600.0	734.1
67.5°	0.0	23.9	55.8	100.6	158.4	250.0	347.3	456.9	583.5	728.1	897.8
65°	0.0	26.5	62.6	114.2	188.1	298.9	408.8	536.8	685.3	853.9	1050.9
62.5°	0.0	29.0	70.2	127.2	225.4	346.7	470.8	613.6	789.6	971.9	1190.7
60°	0.0	31.6	77.6	139.7	261.7	395.2	529.9	701.2	891.1	1088.4	1328.2
57.5°	0.0	34.1	84.7	152.5	297.0	445.2	586.0	786.2	992.1	1203.4	1478.5
55°	0.0	36.6	91.5	175.4	331.3	494.4	655.3	867.4	1089.1	1335.7	1627.4
52.5°	0.0	39.1	98.0	196.8	365.0	542.6	722.4	946.6	1181.5	1464.5	1845.4
50°	0.0	41.5	104.3	216.6	399.6	586.3	783.8	1022.9	1284.4	1597.0	2031.3
47.5°	0.0	43.9	110.2	234.6	431.1	627.6	840.6	1096.2	1380.5	1744.0	2352.0
45°	0.0	46.2	115.8	250.8	457.2	665.4	901.3	1172.9	1475.8	1881.5	2635.7
42.5°	0.0	48.5	121.1	265.2	480.8	699.5	959.6	1252.0	1592.5	2044.4	2953.1
40°	0.0	50.8	126.0	278.6	502.0	730.0	1011.7	1325.0	1698.4	2194.4	3720.1
37.5°	0.0	53.0	130.5	291.1	520.6	756.6	1054.3	1391.7	1793.2	2328.9	4261.2
35°	0.0	55.5	137.5	304.7	536.4	784.2	1095.7	1457.1	1880.4	2569.1	5067.8
32.5°	0.0	58.1	144.7	317.8	550.2	810.8	1135.6	1514.8	1964.3	2851.5	6367.4
30°	0.0	60.6	151.2	329.3	562.1	834.7	1171.6	1565.4	2033.7	3031.9	7247.7
27.5°	0.0	62.8	157.7	339.3	574.8	855.8	1205.2	1611.1	2097.6	3108.8	7826.4
25°	0.0	64.9	163.5	347.7	586.0	874.2	1234.7	1651.9	2165.1	3459.6	9615.7
22.5°	0.0	66.8	168.6	354.6	595.5	890.6	1259.6	1691.4	2253.8	3897.0	10929.7
20°	0.0	68.5	173.1	359.9	603.1	906.4	1281.3	1729.1	2315.7	4117.5	11902.9
17.5°	0.0	70.1	176.8	364.9	608.9	919.0	1302.5	1758.5	2362.7	4187.7	12448.3
15°	0.0	71.5	179.8	368.8	612.9	929.9	1318.8	1779.8	2392.2	4171.6	12547.5
12.5°	0.0	72.7	182.2	371.2	616.3	938.7	1329.5	1793.4	2413.9	4028.6	12230.1
10°	0.0	73.7	183.8	372.1	618.3	944.4	1334.6	1799.4	2429.6	4228.0	11618.9
7.5°	0.0	74.6	184.9	371.7	618.4	947.0	1334.9	1797.8	2433.7	4313.4	10681.4
5°	0.0	75.3	185.3	369.9	616.5	945.8	1329.9	1787.3	2423.1	4216.7	9533.5
2.5°	0.0	75.9	185.1	366.9	612.8	941.0	1319.8	1769.7	2400.2	4019.9	8257.3
0°	0.0	76.3	184.3	362.7	607.0	932.6	1304.8	1745.3	2366.4	3719.9	6836.9
-2.5°	0.0	76.2	183.9	361.3	604.6	925.6	1293.3	1724.5	2322.3	3500.4	5901.0
-5°	0.0	76.0	182.9	358.8	600.2	915.1	1277.4	1697.7	2268.8	3259.6	4944.5
-7.5°	0.0	75.6	181.4	355.2	593.9	901.4	1257.1	1665.2	2207.3	3048.0	4361.3
-10°	0.0	75.0	179.3	350.5	585.7	884.5	1232.4	1625.1	2139.1	2860.1	3857.7
-12.5°	0.0	74.4	176.7	344.8	575.5	865.1	1203.7	1579.4	2064.2	2693.1	3497.3
-15°	0.0	73.5	173.6	338.0	563.7	843.5	1171.9	1528.9	1984.8	2564.0	3211.1
-17.5°	0.0	72.5	169.9	330.2	550.9	820.7	1137.3	1474.8	1902.1	2431.3	2986.0
-20°	0.0	71.4	165.7	321.6	536.2	797.2	1098.5	1416.8	1815.4	2307.3	2810.4



REPORT NUMBER: P902100 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NWB-LT

**CANDELA DISTRIBUTION (continued):**

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	70.1	161.0	312.5	519.6	771.7	1055.3	1354.5	1735.6	2192.0	2645.1
-25°	0.0	68.7	155.8	302.5	501.3	744.4	1011.3	1295.3	1663.0	2079.7	2514.2
-27.5°	0.0	67.1	150.1	291.5	481.2	715.3	966.4	1248.9	1596.5	1983.5	2388.5
-30°	0.0	65.4	144.0	279.6	459.5	684.7	922.2	1198.0	1528.4	1893.9	2273.4
-32.5°	0.0	63.6	137.5	266.9	437.3	652.5	880.7	1142.7	1459.2	1802.6	2162.4
-35°	0.0	61.6	130.5	253.3	413.9	618.9	836.2	1085.6	1387.4	1708.6	2051.6
-37.5°	0.0	59.6	124.1	239.9	391.1	585.1	790.7	1031.9	1317.0	1613.6	1934.4
-40°	0.0	57.5	119.8	228.1	371.3	551.8	746.5	978.1	1240.7	1519.0	1811.7
-42.5°	0.0	55.4	115.2	215.7	350.1	517.0	702.1	919.8	1158.9	1417.6	1683.8
-45°	0.0	53.1	110.5	202.7	327.6	480.6	656.7	856.6	1072.0	1314.2	1563.7
-47.5°	0.0	50.7	105.5	189.1	303.8	442.8	608.9	792.8	993.7	1210.7	1443.4
-50°	0.0	48.3	100.3	174.9	279.2	403.6	562.9	730.9	910.0	1104.4	1321.5
-52.5°	0.0	45.7	94.8	160.1	254.3	373.1	515.6	665.6	821.2	1000.0	1198.3
-55°	0.0	43.1	89.2	144.8	233.3	341.9	466.4	597.9	739.5	892.3	1069.8
-57.5°	0.0	40.4	83.5	129.0	212.4	308.8	413.3	533.3	656.4	782.2	944.4
-60°	0.0	37.6	77.5	119.5	190.5	273.9	367.7	465.9	573.4	684.7	818.9
-62.5°	0.0	34.7	71.4	110.4	167.6	241.1	322.1	397.3	495.0	585.8	707.5
-65°	0.0	31.7	65.2	101.0	143.9	210.7	276.5	346.5	417.9	504.3	596.5
-67.5°	0.0	28.7	58.9	91.3	125.0	180.1	236.2	295.6	354.8	426.2	503.5
-70°	0.0	25.7	52.7	81.5	111.7	149.2	200.3	246.4	299.7	358.1	418.5
-72.5°	0.0	22.6	46.4	71.6	98.2	125.2	163.9	207.6	246.2	299.3	348.2
-75°	0.0	19.4	39.9	61.5	84.4	107.4	131.0	169.4	208.2	246.0	283.7
-77.5°	0.0	16.3	33.4	51.5	70.5	89.2	109.2	135.3	170.6	202.4	230.2
-80°	0.0	13.0	26.8	41.3	56.5	70.8	87.3	107.3	133.7	159.1	180.6
-82.5°	0.0	9.8	20.2	31.1	42.5	53.0	65.2	78.8	96.1	121.2	135.9
-85°	0.0	6.5	13.5	20.8	28.4	35.4	43.5	51.9	60.6	83.0	92.0
-87.5°	0.0	3.3	6.7	10.4	14.2	17.7	21.8	26.0	30.3	41.7	46.2
-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: P902100 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NWB-LT

**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°	27.3	30.7	33.0	36.5	38.8	39.5	41.5	43.4	53.5	59.2	61.4
85°	65.6	78.4	90.0	101.6	107.4	113.2	120.4	126.8	135.5	140.4	142.7
82.5°	134.5	151.7	171.0	197.5	216.2	237.1	258.3	275.5	293.7	310.0	316.4
80°	230.1	268.7	308.7	340.8	371.9	411.8	450.8	488.8	529.8	564.9	594.3
77.5°	349.7	408.2	482.2	541.3	581.3	624.6	701.5	771.5	834.7	900.0	978.8
75°	516.0	601.9	688.8	800.3	890.7	967.1	1040.2	1134.5	1230.8	1335.9	1463.4
72.5°	693.1	832.8	987.6	1127.9	1243.9	1355.4	1463.8	1577.2	1726.9	1896.0	2090.9
70°	901.5	1087.7	1274.9	1451.5	1602.9	1760.5	1925.8	2093.5	2311.2	2567.3	2894.0
67.5°	1098.7	1317.4	1545.6	1775.7	1967.0	2179.3	2426.0	2666.5	3018.2	3466.3	3992.9
65°	1277.9	1539.5	1838.9	2104.2	2395.2	2660.0	3117.4	3527.1	4143.9	5243.0	6205.3
62.5°	1454.4	1780.3	2192.0	2616.8	3064.2	3695.9	4422.8	5960.0	7093.8	9839.0	12365.7
60°	1636.3	2109.8	2718.6	3581.9	4385.0	6104.7	7943.4	11030.3	14424.2	18585.8	23962.2
57.5°	1872.3	2558.6	3766.6	4998.2	7570.5	10203.0	14497.7	18546.6	23474.4	29084.1	36343.9
55°	2192.3	3442.5	5084.8	8348.3	11919.2	16768.5	21480.6	26544.1	30843.4	37183.5	48048.8
52.5°	2618.4	4488.4	8195.1	12373.9	17510.9	22580.2	27337.6	30834.0	35218.9	42851.0	58236.5
50°	3242.1	6434.7	11469.6	17294.1	22381.3	27039.5	30173.3	32380.2	37005.8	48002.0	67141.8
47.5°	3927.2	8436.5	15730.2	21564.6	26304.7	29209.3	30414.3	32759.2	38948.0	54447.1	75146.4
45°	5257.6	11502.7	19524.7	25545.6	28432.7	29374.7	29999.8	32582.2	42692.6	60481.5	80820.0
42.5°	6300.9	14736.7	23230.3	27855.4	29345.1	29110.0	29507.5	34932.7	47970.9	66930.3	84359.1
40°	8677.1	18039.0	26559.9	29971.1	29509.0	28667.7	30334.1	37980.6	53411.4	72594.4	88150.7
37.5°	10786.5	21675.9	28553.0	30137.9	29108.6	28552.9	31511.3	41572.8	60109.3	78600.2	92709.6
35°	12957.6	24918.2	30438.0	30258.1	28422.0	28446.1	33548.7	47641.6	66402.7	83523.2	95970.3
32.5°	15933.0	26592.9	30405.8	29458.4	27984.6	29223.3	36816.6	52396.0	70513.7	85528.0	95535.3
30°	18562.8	28027.9	30516.7	28520.2	27296.5	29406.7	39159.3	55331.8	70857.6	82865.1	89985.7
27.5°	20307.9	28615.3	29780.4	27799.4	27081.1	30518.8	41069.6	56011.9	69758.5	79894.9	85327.0
25°	21033.8	28012.2	28804.5	27016.2	26734.9	30885.1	42501.0	56755.7	68933.8	77421.7	81020.1
22.5°	21533.5	27627.0	27680.9	26183.6	26383.2	31437.1	43093.6	56061.6	66594.9	73200.7	75645.2
20°	21775.8	27046.8	26669.2	25453.4	26150.4	31826.5	43033.2	54583.3	63840.5	68845.4	70120.7
17.5°	21545.9	25742.0	25458.0	24542.7	25373.1	31164.8	42011.0	51797.2	59217.1	63063.6	63992.4
15°	20706.4	24379.1	24200.3	23456.2	24225.0	30039.2	39465.0	47879.0	53964.5	57005.9	57681.9
12.5°	19621.3	23044.3	22874.2	22220.7	23249.3	28289.8	36147.3	43184.0	48192.1	50399.5	50836.7
10°	18391.7	21543.2	21378.9	20929.7	21772.2	25968.0	32230.0	37667.4	41450.7	43358.3	43762.9
7.5°	16739.5	19878.5	19820.9	19392.8	19973.4	23176.1	27906.5	31743.0	34691.8	36255.0	36621.5
5°	14901.5	18007.8	17962.3	17629.8	17999.7	20155.0	23358.3	25952.2	28215.7	29567.0	29892.4
2.5°	12779.5	15877.6	16000.0	15766.7	15941.8	17182.4	19150.2	20781.8	22460.4	23647.6	23985.3
0°	10534.8	13608.0	13956.1	13812.0	13833.9	14492.9	15611.3	16541.5	17714.4	18730.9	19026.0
-2.5°	8720.6	11372.0	11970.4	11880.3	11852.6	12178.1	12801.8	13338.0	14184.5	14977.7	15262.7
-5°	6931.4	9248.3	10130.7	10124.2	10077.2	10197.9	10555.5	10840.5	11409.1	11923.8	12137.6
-7.5°	5877.5	7580.4	8479.1	8541.3	8507.5	8533.6	8707.6	8882.6	9226.5	9511.6	9642.1
-10°	4908.5	6217.5	7086.9	7236.3	7148.5	7169.2	7271.2	7416.2	7623.3	7815.9	7941.9
-12.5°	4331.6	5179.7	5814.0	6137.7	6111.3	6088.6	6222.3	6386.6	6544.6	6716.9	6911.8
-15°	3819.5	4489.7	4937.3	5169.7	5289.1	5319.6	5470.4	5670.6	5844.1	6048.8	6306.6
-17.5°	3499.7	3961.7	4316.6	4521.4	4638.5	4750.9	4924.3	5149.6	5343.6	5577.8	5887.6
-20°	3230.1	3636.8	3885.2	4084.6	4224.2	4369.6	4548.9	4789.1	5019.9	5256.7	5515.2



REPORT NUMBER: P902100 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NWB-LT

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	3048.2	3362.5	3625.9	3778.9	3992.0	4135.6	4329.8	4546.2	4783.8	5059.8	5272.2
-25°	2878.5	3189.6	3412.2	3631.0	3817.5	3988.8	4179.6	4361.8	4618.1	4875.3	5053.2
-27.5°	2753.4	3036.0	3284.3	3485.7	3682.7	3864.9	4058.1	4239.1	4464.6	4706.1	4897.6
-30°	2627.3	2923.1	3164.6	3356.4	3566.1	3757.9	3958.2	4135.1	4357.0	4601.3	4810.0
-32.5°	2507.7	2810.1	3058.3	3261.7	3452.5	3670.9	3878.6	4071.2	4272.8	4522.5	4773.1
-35°	2391.8	2699.8	2939.3	3160.6	3353.7	3574.5	3791.2	4015.6	4244.6	4488.0	4752.8
-37.5°	2264.7	2573.1	2819.6	3029.1	3234.2	3471.6	3673.6	3948.1	4214.2	4468.6	4745.0
-40°	2124.6	2436.7	2701.3	2896.2	3107.2	3351.0	3558.4	3814.5	4097.6	4416.2	4687.1
-42.5°	1976.8	2283.5	2546.3	2752.2	2958.4	3187.5	3432.5	3671.3	3946.6	4254.7	4615.1
-45°	1831.9	2115.8	2376.5	2600.7	2798.0	3008.9	3233.8	3483.2	3745.2	4052.1	4424.6
-47.5°	1684.1	1947.1	2198.1	2421.3	2626.9	2816.4	3026.3	3260.1	3531.8	3828.3	4179.7
-50°	1542.1	1779.1	2014.5	2233.6	2432.5	2619.8	2810.9	3018.7	3291.4	3582.8	3921.6
-52.5°	1394.1	1607.3	1822.2	2035.3	2226.4	2408.8	2597.8	2780.1	3028.5	3326.1	3646.6
-55°	1245.9	1430.8	1622.0	1827.9	2000.1	2173.3	2344.2	2537.7	2757.1	3022.6	3326.9
-57.5°	1096.5	1256.7	1435.0	1611.5	1769.8	1912.3	2070.3	2246.8	2463.7	2708.3	2975.7
-60°	953.2	1089.9	1250.5	1412.9	1542.1	1665.5	1804.0	1975.9	2171.3	2391.7	2632.5
-62.5°	815.5	935.0	1067.5	1213.4	1325.8	1429.3	1554.6	1715.0	1886.4	2083.0	2282.7
-65°	692.6	789.9	897.4	1007.7	1109.2	1205.3	1326.1	1462.7	1614.9	1779.4	1943.3
-67.5°	575.6	660.6	735.0	830.1	912.7	1000.1	1110.3	1217.9	1347.1	1485.3	1614.6
-70°	481.7	538.5	603.6	675.4	742.3	823.7	912.1	1000.2	1105.6	1209.1	1306.5
-72.5°	392.0	443.6	490.9	543.2	608.4	670.0	734.3	803.6	885.6	960.2	1028.4
-75°	322.5	360.9	394.0	439.9	488.5	532.7	576.7	637.2	697.4	752.7	804.2
-77.5°	257.1	292.3	322.1	352.9	384.1	409.4	451.9	496.1	539.3	584.8	618.9
-80°	206.2	233.3	254.6	278.7	302.2	320.7	350.7	380.9	409.6	449.4	486.2
-82.5°	155.1	176.3	192.0	213.3	229.2	241.0	260.3	283.5	307.4	332.6	347.8
-85°	103.1	124.2	134.8	150.5	162.0	169.1	179.1	194.8	208.5	231.8	242.1
-87.5°	51.5	64.8	70.9	80.9	90.0	95.0	103.0	117.3	122.5	141.0	148.0
-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: P902100 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NWB-LT

**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°	62.2	65.0	67.8	67.0	59.6	60.2	59.8	61.1	63.5	67.1	68.0
85°	155.4	169.7	184.2	197.7	206.9	208.0	210.0	211.2	223.7	235.5	252.3
82.5°	340.9	378.3	420.5	469.5	497.4	509.7	517.0	515.8	542.3	568.4	626.6
80°	646.1	759.9	838.6	933.2	971.8	964.3	985.4	1026.7	1088.5	1167.6	1318.1
77.5°	1107.0	1273.7	1427.1	1571.8	1612.6	1609.4	1638.2	1699.4	1818.6	2037.5	2331.3
75°	1643.3	1875.0	2121.8	2355.5	2510.3	2598.3	2671.0	2831.5	3104.9	3473.0	3871.2
72.5°	2375.7	2783.9	3250.1	3717.5	4086.2	4316.8	4531.6	4842.0	5148.9	5375.3	5609.3
70°	3403.6	4057.9	4737.9	5386.9	5949.1	6418.1	6741.5	6980.3	7149.5	7188.2	6991.9
67.5°	4816.6	5752.8	6612.0	7422.6	8513.0	9454.3	9981.7	10182.4	10237.4	10234.4	10268.7
65°	7630.9	9621.7	11176.6	12452.7	15283.2	17130.3	17949.1	18214.1	18667.1	19388.8	19454.7
62.5°	15272.9	20118.7	23933.0	28114.3	34895.3	39642.4	41825.2	43199.9	46634.1	47969.4	47793.2
60°	30510.3	40480.0	51161.6	60346.9	69580.3	79488.4	88886.0	96642.5	103513.9	108672.8	112213.7
57.5°	48106.0	64315.5	77540.0	87237.9	96831.2	108744.5	121844.0	136179.3	149101.0	159341.1	166886.8
55°	66091.8	82571.5	93218.1	100483.4	108810.7	120693.5	133826.3	149426.4	163617.2	175198.5	181104.7
52.5°	78714.1	92750.5	100251.9	105315.6	111192.5	119796.3	130379.4	142507.5	154835.9	164340.6	171624.8
50°	87579.2	98336.2	103102.8	106217.6	109996.3	114650.4	120911.5	127429.2	134326.4	140923.9	146640.1
47.5°	91913.0	100470.3	104117.4	106048.7	107838.1	110082.7	112743.8	115521.0	117964.6	119834.9	121078.9
45°	93982.2	100656.7	103261.1	104340.8	104993.8	105088.5	104982.9	105170.6	104783.8	103774.5	103042.6
42.5°	95219.4	100639.7	102438.2	102813.5	102079.5	101007.3	99285.4	98197.9	97372.6	96046.7	94627.2
40°	97817.2	102184.2	103639.7	103191.1	101807.5	98578.6	96368.7	93779.0	91560.2	89914.1	88564.5
37.5°	101280.8	105213.5	105448.8	104015.1	101954.7	96463.4	91457.0	88036.8	85738.0	84276.5	82972.8
35°	103025.7	105016.0	103814.9	101320.7	98187.7	93109.5	86637.9	82966.1	80709.5	79354.9	78164.8
32.5°	99345.3	99748.9	97557.2	94491.2	91089.0	87168.1	82086.6	78249.4	76242.1	74835.4	73640.4
30°	92569.9	92160.2	89725.8	86694.0	83364.1	79972.8	76681.0	73692.2	71783.5	70272.7	69009.9
27.5°	86756.6	85747.7	83360.0	80678.4	77503.3	74256.7	71464.9	68969.8	67042.3	65431.6	64232.6
25°	81407.8	79894.0	77349.3	74903.9	71889.3	68771.0	66158.6	63844.3	62053.5	60558.0	59388.4
22.5°	75535.9	73792.4	71412.4	69003.8	66241.9	63407.9	60809.7	58798.8	57120.5	55673.0	54593.3
20°	69528.3	67667.7	65535.4	63319.2	60702.6	58139.9	55889.8	53999.3	52538.3	51266.4	50221.6
17.5°	63222.7	61506.5	59690.3	57831.0	55459.9	53342.0	51325.9	49629.7	48332.3	47260.9	46293.2
15°	56876.7	55338.4	53806.4	52283.5	50454.1	48647.4	46863.1	45444.7	44299.2	43338.0	42446.7
12.5°	50205.0	48944.8	47817.6	46595.4	45168.9	43687.0	42154.9	41011.9	40031.4	39141.5	38411.6
10°	43304.2	42360.5	41459.7	40575.8	39511.8	38333.5	37144.7	36215.6	35394.1	34731.1	34131.0
7.5°	36308.2	35671.0	34982.6	34347.3	33537.6	32694.2	31915.1	31243.0	30623.0	30157.7	29724.0
5°	29686.7	29160.9	28606.0	28181.5	27657.3	27083.7	26526.3	26101.2	25753.1	25442.9	25195.0
2.5°	23859.2	23424.5	22935.4	22594.4	22264.4	21915.8	21513.7	21287.5	21106.3	20971.0	20869.7
0°	18977.9	18628.7	18153.7	17879.1	17676.3	17483.2	17251.0	17136.6	17011.5	16896.9	16826.9
-2.5°	15214.2	14904.1	14461.4	14218.4	14117.0	14066.4	13893.2	13782.0	13678.3	13597.3	13557.4
-5°	12087.9	11810.0	11505.5	11358.7	11419.4	11501.5	11416.4	11352.6	11313.2	11300.4	11328.1
-7.5°	9678.4	9525.3	9320.3	9365.2	9541.3	9638.8	9617.1	9650.1	9707.0	9741.6	9784.1
-10°	8089.9	8031.1	7935.1	8037.9	8211.9	8328.7	8382.7	8505.1	8586.3	8633.0	8683.4
-12.5°	7076.4	7219.5	7183.4	7241.7	7367.1	7488.0	7624.4	7794.6	7905.6	7930.2	7927.7
-15°	6538.9	6770.0	6860.4	6838.9	6855.3	6987.7	7144.4	7362.8	7469.5	7414.3	7382.7
-17.5°	6155.6	6416.0	6565.8	6472.1	6464.0	6641.1	6841.8	7012.3	7134.1	7090.1	7040.4
-20°	5774.2	6013.3	6230.7	6172.0	6164.5	6367.3	6592.4	6749.4	6881.5	6870.1	6790.2



REPORT NUMBER: P902100 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NWB-LT

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5481.5	5739.8	5964.6	5924.5	5931.3	6190.7	6457.7	6635.4	6839.5	6878.7	6834.7
-25°	5213.0	5500.3	5766.3	5772.0	5824.2	6136.3	6473.9	6749.8	6961.9	7079.0	7040.9
-27.5°	5091.0	5369.3	5694.3	5775.2	5856.3	6211.5	6610.4	6905.8	7118.9	7256.8	7244.5
-30°	5019.9	5331.5	5688.6	5841.1	5938.7	6280.7	6691.1	7002.4	7227.6	7382.6	7371.3
-32.5°	4988.3	5323.0	5706.2	5892.9	6012.7	6340.0	6800.5	7164.8	7354.3	7494.8	7477.2
-35°	5007.4	5319.6	5716.9	5971.4	6109.5	6390.5	6848.6	7210.1	7433.1	7542.7	7489.0
-37.5°	5034.2	5385.1	5781.6	6063.5	6211.3	6421.5	6844.9	7220.0	7452.4	7539.4	7457.7
-40°	5018.0	5395.0	5804.7	6054.1	6138.6	6289.6	6691.8	7079.3	7351.0	7409.2	7346.2
-42.5°	4994.0	5405.3	5749.9	5990.2	5997.5	6072.6	6385.3	6808.9	7045.0	7092.8	7068.6
-45°	4883.8	5361.2	5723.8	5909.4	5938.7	5902.8	6133.3	6504.4	6772.3	6941.1	6955.4
-47.5°	4629.1	5121.8	5546.2	5805.6	5917.9	5893.9	6010.3	6355.7	6672.2	6898.3	7034.5
-50°	4306.4	4781.1	5219.8	5538.5	5802.5	5880.9	5935.5	6284.0	6673.9	6998.5	7276.6
-52.5°	4006.2	4392.2	4775.5	5084.0	5335.7	5503.4	5559.8	5856.0	6347.1	6756.4	7133.1
-55°	3644.4	3956.1	4255.1	4533.4	4746.1	4907.8	4989.6	5178.1	5538.6	5967.0	6366.3
-57.5°	3227.6	3491.4	3740.1	3970.9	4170.0	4311.9	4405.9	4538.8	4822.2	5183.5	5546.2
-60°	2854.0	3043.1	3225.2	3428.6	3618.3	3762.4	3862.6	3952.1	4143.3	4423.8	4725.3
-62.5°	2470.2	2625.0	2786.0	2969.7	3144.6	3269.5	3364.4	3436.3	3547.9	3716.2	3932.5
-65°	2104.0	2216.2	2347.9	2497.1	2666.2	2804.8	2901.2	2972.6	3041.2	3141.4	3320.8
-67.5°	1745.0	1836.3	1925.0	2034.7	2162.6	2311.1	2404.5	2468.9	2553.6	2643.0	2795.6
-70°	1416.4	1504.4	1577.0	1655.5	1738.3	1835.4	1924.0	1994.3	2081.5	2190.0	2323.7
-72.5°	1109.1	1194.9	1266.1	1323.0	1374.8	1426.0	1487.7	1557.0	1635.2	1724.7	1843.9
-75°	861.7	929.5	986.7	1029.3	1062.7	1101.5	1146.4	1194.1	1250.5	1315.7	1412.3
-77.5°	661.6	718.6	761.2	783.3	806.4	833.3	862.4	893.8	929.5	972.8	1036.1
-80°	511.0	535.3	566.5	587.0	610.0	637.0	664.0	679.1	707.6	728.9	769.1
-82.5°	372.6	395.3	411.5	433.8	453.3	476.5	495.9	509.3	530.6	548.3	563.3
-85°	264.0	277.1	293.5	313.1	333.9	353.0	373.4	384.8	399.3	410.3	415.9
-87.5°	162.5	165.9	181.4	185.8	197.4	216.3	225.7	239.7	243.8	247.6	271.3
-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: P902100 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NWB-LT

**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°	76.3	91.1	99.3	101.0	99.3	91.1	76.3	68.0	67.1	63.5	61.1
85°	315.5	413.2	480.4	497.4	480.4	413.2	315.5	252.3	235.5	223.7	211.2
82.5°	780.1	987.3	1117.0	1149.8	1117.0	987.3	780.1	626.6	568.4	542.3	515.8
80°	1540.2	1764.1	1936.4	1995.7	1936.4	1764.1	1540.2	1318.1	1167.6	1088.5	1026.7
77.5°	2523.8	2704.3	2915.8	3033.8	2915.8	2704.3	2523.8	2331.3	2037.5	1818.6	1699.4
75°	3910.3	3923.2	4179.4	4344.7	4179.4	3923.2	3910.3	3871.2	3473.0	3104.9	2831.5
72.5°	5446.8	5356.0	5637.8	5851.5	5637.8	5356.0	5446.8	5609.3	5375.3	5148.9	4842.0
70°	6538.3	6354.6	6617.7	6806.1	6617.7	6354.6	6538.3	6991.9	7188.2	7149.5	6980.3
67.5°	10097.7	9893.3	9816.0	9824.4	9816.0	9893.3	10097.7	10268.7	10234.4	10237.4	10182.4
65°	19436.7	19411.1	19333.6	19245.1	19333.6	19411.1	19436.7	19454.7	19388.8	18667.1	18214.1
62.5°	46853.8	45345.3	43957.1	43342.4	43957.1	45345.3	46853.8	47793.2	47969.4	46634.1	43199.9
60°	113454.2	112554.1	111124.0	110400.5	111124.0	112554.1	113454.2	112213.7	108672.8	103513.9	96642.5
57.5°	169017.8	168854.5	168424.8	168288.9	168424.8	168854.5	169017.8	166886.8	159341.1	149101.0	136179.3
55°	184514.4	186106.8	186826.0	187105.7	186826.0	186106.8	184514.4	181104.7	175198.5	163617.2	149426.4
52.5°	176450.5	179006.0	180425.7	180926.3	180425.7	179006.0	176450.5	171624.8	164340.6	154835.9	142507.5
50°	151136.0	153818.2	155651.6	156566.1	155651.6	153818.2	151136.0	146640.1	140923.9	134326.4	127429.2
47.5°	121589.1	121814.2	121807.1	121942.3	121807.1	121814.2	121589.1	121078.9	119834.9	117964.6	115521.0
45°	102651.8	101959.9	101211.4	101202.5	101211.4	101959.9	102651.8	103042.6	103774.5	104783.8	105170.6
42.5°	93550.7	92740.2	92227.9	92154.4	92227.9	92740.2	93550.7	94627.2	96046.7	97372.6	98197.9
40°	87471.3	86630.0	86077.3	86073.1	86077.3	86630.0	87471.3	88564.5	89914.1	91560.2	93779.0
37.5°	81914.4	81176.7	80733.5	80688.6	80733.5	81176.7	81914.4	82972.8	84276.5	85738.0	88036.8
35°	77196.0	76489.5	76065.6	75995.8	76065.6	76489.5	77196.0	78164.8	79354.9	80709.5	82966.1
32.5°	72635.2	71919.2	71503.2	71451.9	71503.2	71919.2	72635.2	73640.4	74835.4	76242.1	78249.4
30°	67984.8	67330.0	66872.3	66884.1	66872.3	67330.0	67984.8	69009.9	70272.7	71783.5	73692.2
27.5°	63373.0	62893.9	62500.3	62528.8	62500.3	62893.9	63373.0	64232.6	65431.6	67042.3	68969.8
25°	58542.6	58005.8	57639.5	57604.9	57639.5	58005.8	58542.6	59388.4	60558.0	62053.5	63844.3
22.5°	53717.5	53143.3	52785.8	52712.2	52785.8	53143.3	53717.5	54593.3	55673.0	57120.5	58798.8
20°	49394.7	48779.5	48477.5	48396.5	48477.5	48779.5	49394.7	50221.6	51266.4	52538.3	53999.3
17.5°	45448.9	44868.2	44608.4	44596.0	44608.4	44868.2	45448.9	46293.2	47260.9	48332.3	49629.7
15°	41650.8	41112.5	40877.1	40865.4	40877.1	41112.5	41650.8	42446.7	43338.0	44299.2	45444.7
12.5°	37759.4	37222.1	36968.2	36922.6	36968.2	37222.1	37759.4	38411.6	39141.5	40031.4	41011.9
10°	33630.6	33200.4	32910.1	32876.5	32910.1	33200.4	33630.6	34131.0	34731.1	35394.1	36215.6
7.5°	29310.2	29018.0	28758.1	28697.2	28758.1	29018.0	29310.2	29724.0	30157.7	30623.0	31243.0
5°	24963.3	24762.3	24631.0	24607.1	24631.0	24762.3	24963.3	25195.0	25442.9	25753.1	26101.2
2.5°	20722.5	20625.0	20596.8	20612.9	20596.8	20625.0	20722.5	20869.7	20971.0	21106.3	21287.5
0°	16768.5	16742.9	16753.0	16770.5	16753.0	16742.9	16768.5	16826.9	16896.9	17011.5	17136.6
-2.5°	13535.7	13550.1	13614.7	13673.3	13614.7	13550.1	13535.7	13557.4	13597.3	13678.3	13782.0
-5°	11357.3	11383.0	11402.9	11441.7	11402.9	11383.0	11357.3	11328.1	11300.4	11313.2	11352.6
-7.5°	9817.7	9839.9	9817.1	9820.7	9817.1	9839.9	9817.7	9784.1	9741.6	9707.0	9650.1
-10°	8695.8	8666.5	8647.7	8610.0	8647.7	8666.5	8695.8	8683.4	8633.0	8586.3	8505.1
-12.5°	7906.9	7836.9	7828.6	7803.8	7828.6	7836.9	7906.9	7927.7	7930.2	7905.6	7794.6
-15°	7330.7	7235.4	7212.7	7194.8	7212.7	7235.4	7330.7	7382.7	7414.3	7469.5	7362.8
-17.5°	6930.3	6830.2	6768.6	6775.3	6768.6	6830.2	6930.3	7040.4	7090.1	7134.1	7012.3
-20°	6718.5	6600.1	6559.7	6569.5	6559.7	6600.1	6718.5	6790.2	6870.1	6881.5	6749.4



REPORT NUMBER: P902100 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NWB-LT

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6778.2	6696.0	6619.6	6613.7	6619.6	6696.0	6778.2	6834.7	6878.7	6839.5	6635.4
-25°	6993.8	6867.1	6792.2	6782.7	6792.2	6867.1	6993.8	7040.9	7079.0	6961.9	6749.8
-27.5°	7109.5	6950.0	6878.5	6869.7	6878.5	6950.0	7109.5	7244.5	7256.8	7118.9	6905.8
-30°	7294.4	7170.8	7109.3	7098.8	7109.3	7170.8	7294.4	7371.3	7382.6	7227.6	7002.4
-32.5°	7323.0	7161.0	7072.9	7066.1	7072.9	7161.0	7323.0	7477.2	7494.8	7354.3	7164.8
-35°	7305.2	7127.4	7045.1	7033.7	7045.1	7127.4	7305.2	7489.0	7542.7	7433.1	7210.1
-37.5°	7247.2	7058.5	6960.7	6969.7	6960.7	7058.5	7247.2	7457.7	7539.4	7452.4	7220.0
-40°	7136.0	6867.9	6775.5	6778.8	6775.5	6867.9	7136.0	7346.2	7409.2	7351.0	7079.3
-42.5°	6928.9	6697.3	6555.4	6522.0	6555.4	6697.3	6928.9	7068.6	7092.8	7045.0	6808.9
-45°	6915.1	6724.3	6609.9	6584.8	6609.9	6724.3	6915.1	6955.4	6941.1	6772.3	6504.4
-47.5°	7076.1	7045.3	6990.2	7003.0	6990.2	7045.3	7076.1	7034.5	6898.3	6672.2	6355.7
-50°	7480.6	7573.8	7619.1	7698.5	7619.1	7573.8	7480.6	7276.6	6998.5	6673.9	6284.0
-52.5°	7453.4	7680.7	7869.3	7956.3	7869.3	7680.7	7453.4	7133.1	6756.4	6347.1	5856.0
-55°	6682.8	6942.4	7179.4	7275.0	7179.4	6942.4	6682.8	6366.3	5967.0	5538.6	5178.1
-57.5°	5848.9	6067.1	6249.3	6375.0	6249.3	6067.1	5848.9	5546.2	5183.5	4822.2	4538.8
-60°	4974.9	5106.7	5215.6	5281.3	5215.6	5106.7	4974.9	4725.3	4423.8	4143.3	3952.1
-62.5°	4106.4	4222.6	4336.7	4392.1	4336.7	4222.6	4106.4	3932.5	3716.2	3547.9	3436.3
-65°	3511.7	3647.0	3751.4	3808.3	3751.4	3647.0	3511.7	3320.8	3141.4	3041.2	2972.6
-67.5°	2949.2	3068.7	3156.8	3201.3	3156.8	3068.7	2949.2	2795.6	2643.0	2553.6	2468.9
-70°	2464.7	2562.1	2642.6	2692.2	2642.6	2562.1	2464.7	2323.7	2190.0	2081.5	1994.3
-72.5°	2002.2	2128.5	2216.5	2265.1	2216.5	2128.5	2002.2	1843.9	1724.7	1635.2	1557.0
-75°	1503.4	1623.0	1755.3	1817.9	1755.3	1623.0	1503.4	1412.3	1315.7	1250.5	1194.1
-77.5°	1057.0	1112.3	1189.1	1233.5	1189.1	1112.3	1057.0	1036.1	972.8	929.5	893.8
-80°	779.2	804.2	835.3	851.7	835.3	804.2	779.2	769.1	728.9	707.6	679.1
-82.5°	572.4	594.6	608.4	621.1	608.4	594.6	572.4	563.3	548.3	530.6	509.3
-85°	430.8	437.5	443.9	452.0	443.9	437.5	430.8	415.9	410.3	399.3	384.8
-87.5°	275.6	276.8	284.6	290.2	284.6	276.8	275.6	271.3	247.6	243.8	239.7
-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: P902100 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NWB-LT

**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°	59.8	60.2	59.6	67.0	67.8	65.0	62.2	61.4	59.2	53.5	43.4
85°	210.0	208.0	206.9	197.7	184.2	169.7	155.4	142.7	140.4	135.5	126.8
82.5°	517.0	509.7	497.4	469.5	420.5	378.3	340.9	316.4	310.0	293.7	275.5
80°	985.4	964.3	971.8	933.2	838.6	759.9	646.1	594.3	564.9	529.8	488.8
77.5°	1638.2	1609.4	1612.6	1571.8	1427.1	1273.7	1107.0	978.8	900.0	834.7	771.5
75°	2671.0	2598.3	2510.3	2355.5	2121.8	1875.0	1643.3	1463.4	1335.9	1230.8	1134.5
72.5°	4531.6	4316.8	4086.2	3717.5	3250.1	2783.9	2375.7	2090.9	1896.0	1726.9	1577.2
70°	6741.5	6418.1	5949.1	5386.9	4737.9	4057.9	3403.6	2894.0	2567.3	2311.2	2093.5
67.5°	9981.7	9454.3	8513.0	7422.6	6612.0	5752.8	4816.6	3992.9	3466.3	3018.2	2666.5
65°	17949.1	17130.3	15283.2	12452.7	11176.6	9621.7	7630.9	6205.3	5243.0	4143.9	3527.1
62.5°	41825.2	39642.4	34895.3	28114.3	23933.0	20118.7	15272.9	12365.7	9839.0	7093.8	5960.0
60°	88886.0	79488.4	69580.3	60346.9	51161.6	40480.0	30510.3	23962.2	18585.8	14424.2	11030.3
57.5°	121844.0	108744.5	96831.2	87237.9	77540.0	64315.5	48106.0	36343.9	29084.1	23474.4	18546.6
55°	133826.3	120693.5	108810.7	100483.4	93218.1	82571.5	66091.8	48048.8	37183.5	30843.4	26544.1
52.5°	130379.4	119796.3	111192.5	105315.6	100251.9	92750.5	78714.1	58236.5	42851.0	35218.9	30834.0
50°	120911.5	114650.4	109996.3	106217.6	103102.8	98336.2	87579.2	67141.8	48002.0	37005.8	32380.2
47.5°	112743.8	110082.7	107838.1	106048.7	104117.4	100470.3	91913.0	75146.4	54447.1	38948.0	32759.2
45°	104982.9	105088.5	104993.8	104340.8	103261.1	100656.7	93982.2	80820.0	60481.5	42692.6	32582.2
42.5°	99285.4	101007.3	102079.5	102813.5	102438.2	100639.7	95219.4	84359.1	66930.3	47970.9	34932.7
40°	96368.7	98578.6	101807.5	103191.1	103639.7	102184.2	97817.2	88150.7	72594.4	53411.4	37980.6
37.5°	91457.0	96463.4	101954.7	104015.1	105448.8	105213.5	101280.8	92709.6	78600.2	60109.3	41572.8
35°	86637.9	93109.5	98187.7	101320.7	103814.9	105016.0	103025.7	95970.3	83523.2	66402.7	47641.6
32.5°	82086.6	87168.1	91089.0	94491.2	97557.2	99748.9	99345.3	95535.3	85528.0	70513.7	52396.0
30°	76681.0	79972.8	83364.1	86694.0	89725.8	92160.2	92569.9	89985.7	82865.1	70857.6	55331.8
27.5°	71464.9	74256.7	77503.3	80678.4	83360.0	85747.7	86756.6	85327.0	79894.9	69758.5	56011.9
25°	66158.6	68771.0	71889.3	74903.9	77349.3	79894.0	81407.8	81020.1	77421.7	68933.8	56755.7
22.5°	60809.7	63407.9	66241.9	69003.8	71412.4	73792.4	75535.9	75645.2	73200.7	66594.9	56061.6
20°	55889.8	58139.9	60702.6	63319.2	65535.4	67667.7	69528.3	70120.7	68845.4	63840.5	54583.3
17.5°	51325.9	53342.0	55459.9	57831.0	59690.3	61506.5	63222.7	63992.4	63063.6	59217.1	51797.2
15°	46863.1	48647.4	50454.1	52283.5	53806.4	55338.4	56876.7	57681.9	57005.9	53964.5	47879.0
12.5°	42154.9	43687.0	45168.9	46595.4	47817.6	48944.8	50205.0	50836.7	50399.5	48192.1	43184.0
10°	37144.7	38333.5	39511.8	40575.8	41459.7	42360.5	43304.2	43762.9	43358.3	41450.7	37667.4
7.5°	31915.1	32694.2	33537.6	34347.3	34982.6	35671.0	36308.2	36621.5	36255.0	34691.8	31743.0
5°	26526.3	27083.7	27657.3	28181.5	28606.0	29160.9	29686.7	29892.4	29567.0	28215.7	25952.2
2.5°	21513.7	21915.8	22264.4	22594.4	22935.4	23424.5	23859.2	23985.3	23647.6	22460.4	20781.8
0°	17251.0	17483.2	17676.3	17879.1	18153.7	18628.7	18977.9	19026.0	18730.9	17714.4	16541.5
-2.5°	13893.2	14066.4	14117.0	14218.4	14461.4	14904.1	15214.2	15262.7	14977.7	14184.5	13338.0
-5°	11416.4	11501.5	11419.4	11358.7	11505.5	11810.0	12087.9	12137.6	11923.8	11409.1	10840.5
-7.5°	9617.1	9638.8	9541.3	9365.2	9320.3	9525.3	9678.4	9642.1	9511.6	9226.5	8882.6
-10°	8382.7	8328.7	8211.9	8037.9	7935.1	8031.1	8089.9	7941.9	7815.9	7623.3	7416.2
-12.5°	7624.4	7488.0	7367.1	7241.7	7183.4	7219.5	7076.4	6911.8	6716.9	6544.6	6386.6
-15°	7144.4	6987.7	6855.3	6838.9	6860.4	6770.0	6538.9	6306.6	6048.8	5844.1	5670.6
-17.5°	6841.8	6641.1	6464.0	6472.1	6565.8	6416.0	6155.6	5887.6	5577.8	5343.6	5149.6
-20°	6592.4	6367.3	6164.5	6172.0	6230.7	6013.3	5774.2	5515.2	5256.7	5019.9	4789.1



REPORT NUMBER: P902100 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NWB-LT

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6457.7	6190.7	5931.3	5924.5	5964.6	5739.8	5481.5	5272.2	5059.8	4783.8	4546.2
-25°	6473.9	6136.3	5824.2	5772.0	5766.3	5500.3	5213.0	5053.2	4875.3	4618.1	4361.8
-27.5°	6610.4	6211.5	5856.3	5775.2	5694.3	5369.3	5091.0	4897.6	4706.1	4464.6	4239.1
-30°	6691.1	6280.7	5938.7	5841.1	5688.6	5331.5	5019.9	4810.0	4601.3	4357.0	4135.1
-32.5°	6800.5	6340.0	6012.7	5892.9	5706.2	5323.0	4988.3	4773.1	4522.5	4272.8	4071.2
-35°	6848.6	6390.5	6109.5	5971.4	5716.9	5319.6	5007.4	4752.8	4488.0	4244.6	4015.6
-37.5°	6844.9	6421.5	6211.3	6063.5	5781.6	5385.1	5034.2	4745.0	4468.6	4214.2	3948.1
-40°	6691.8	6289.6	6138.6	6054.1	5804.7	5395.0	5018.0	4687.1	4416.2	4097.6	3814.5
-42.5°	6385.3	6072.6	5997.5	5990.2	5749.9	5405.3	4994.0	4615.1	4254.7	3946.6	3671.3
-45°	6133.3	5902.8	5938.7	5909.4	5723.8	5361.2	4883.8	4424.6	4052.1	3745.2	3483.2
-47.5°	6010.3	5893.9	5917.9	5805.6	5546.2	5121.8	4629.1	4179.7	3828.3	3531.8	3260.1
-50°	5935.5	5880.9	5802.5	5538.5	5219.8	4781.1	4306.4	3921.6	3582.8	3291.4	3018.7
-52.5°	5559.8	5503.4	5335.7	5084.0	4775.5	4392.2	4006.2	3646.6	3326.1	3028.5	2780.1
-55°	4989.6	4907.8	4746.1	4533.4	4255.1	3956.1	3644.4	3326.9	3022.6	2757.1	2537.7
-57.5°	4405.9	4311.9	4170.0	3970.9	3740.1	3491.4	3227.6	2975.7	2708.3	2463.7	2246.8
-60°	3862.6	3762.4	3618.3	3428.6	3225.2	3043.1	2854.0	2632.5	2391.7	2171.3	1975.9
-62.5°	3364.4	3269.5	3144.6	2969.7	2786.0	2625.0	2470.2	2282.7	2083.0	1886.4	1715.0
-65°	2901.2	2804.8	2666.2	2497.1	2347.9	2216.2	2104.0	1943.3	1779.4	1614.9	1462.7
-67.5°	2404.5	2311.1	2162.6	2034.7	1925.0	1836.3	1745.0	1614.6	1485.3	1347.1	1217.9
-70°	1924.0	1835.4	1738.3	1655.5	1577.0	1504.4	1416.4	1306.5	1209.1	1105.6	1000.2
-72.5°	1487.7	1426.0	1374.8	1323.0	1266.1	1194.9	1109.1	1028.4	960.2	885.6	803.6
-75°	1146.4	1101.5	1062.7	1029.3	986.7	929.5	861.7	804.2	752.7	697.4	637.2
-77.5°	862.4	833.3	806.4	783.3	761.2	718.6	661.6	618.9	584.8	539.3	496.1
-80°	664.0	637.0	610.0	587.0	566.5	535.3	511.0	486.2	449.4	409.6	380.9
-82.5°	495.9	476.5	453.3	433.8	411.5	395.3	372.6	347.8	332.6	307.4	283.5
-85°	373.4	353.0	333.9	313.1	293.5	277.1	264.0	242.1	231.8	208.5	194.8
-87.5°	225.7	216.3	197.4	185.8	181.4	165.9	162.5	148.0	141.0	122.5	117.3
-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: P902100 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NWB-LT

**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°	41.5	39.5	38.8	36.5	33.0	30.7	27.3	25.0	27.0	24.9	21.9
85°	120.4	113.2	107.4	101.6	90.0	78.4	65.6	54.5	54.0	49.7	43.7
82.5°	258.3	237.1	216.2	197.5	171.0	151.7	134.5	120.0	106.2	89.3	72.6
80°	450.8	411.8	371.9	340.8	308.7	268.7	230.1	194.0	160.5	136.6	115.3
77.5°	701.5	624.6	581.3	541.3	482.2	408.2	349.7	304.6	252.5	196.5	157.9
75°	1040.2	967.1	890.7	800.3	688.8	601.9	516.0	426.9	353.2	286.8	223.2
72.5°	1463.8	1355.4	1243.9	1127.9	987.6	832.8	693.1	579.1	472.7	376.1	300.2
70°	1925.8	1760.5	1602.9	1451.5	1274.9	1087.7	901.5	734.1	600.0	480.8	375.5
67.5°	2426.0	2179.3	1967.0	1775.7	1545.6	1317.4	1098.7	897.8	728.1	583.5	456.9
65°	3117.4	2660.0	2395.2	2104.2	1838.9	1539.5	1277.9	1050.9	853.9	685.3	536.8
62.5°	4422.8	3695.9	3064.2	2616.8	2192.0	1780.3	1454.4	1190.7	971.9	789.6	613.6
60°	7943.4	6104.7	4385.0	3581.9	2718.6	2109.8	1636.3	1328.2	1088.4	891.1	701.2
57.5°	14497.7	10203.0	7570.5	4998.2	3766.6	2558.6	1872.3	1478.5	1203.4	992.1	786.2
55°	21480.6	16768.5	11919.2	8348.3	5084.8	3442.5	2192.3	1627.4	1335.7	1089.1	867.4
52.5°	27337.6	22580.2	17510.9	12373.9	8195.1	4488.4	2618.4	1845.4	1464.5	1181.5	946.6
50°	30173.3	27039.5	22381.3	17294.1	11469.6	6434.7	3242.1	2031.3	1597.0	1284.4	1022.9
47.5°	30414.3	29209.3	26304.7	21564.6	15730.2	8436.5	3927.2	2352.0	1744.0	1380.5	1096.2
45°	29999.8	29374.7	28432.7	25545.6	19524.7	11502.7	5257.6	2635.7	1881.5	1475.8	1172.9
42.5°	29507.5	29110.0	29345.1	27855.4	23230.3	14736.7	6300.9	2953.1	2044.4	1592.5	1252.0
40°	30334.1	28667.7	29509.0	29971.1	26559.9	18039.0	8677.1	3720.1	2194.4	1698.4	1325.0
37.5°	31511.3	28552.9	29108.6	30137.9	28553.0	21675.9	10786.5	4261.2	2328.9	1793.2	1391.7
35°	33548.7	28446.1	28422.0	30258.1	30438.0	24918.2	12957.6	5067.8	2569.1	1880.4	1457.1
32.5°	36816.6	29223.3	27984.6	29458.4	30405.8	26592.9	15933.0	6367.4	2851.5	1964.3	1514.8
30°	39159.3	29406.7	27296.5	28520.2	30516.7	28027.9	18562.8	7247.7	3031.9	2033.7	1565.4
27.5°	41069.6	30518.8	27081.1	27799.4	29780.4	28615.3	20307.9	7826.4	3108.8	2097.6	1611.1
25°	42501.0	30885.1	26734.9	27016.2	28804.5	28012.2	21033.8	9615.7	3459.6	2165.1	1651.9
22.5°	43093.6	31437.1	26383.2	26183.6	27680.9	27627.0	21533.5	10929.7	3897.0	2253.8	1691.4
20°	43033.2	31826.5	26150.4	25453.4	26669.2	27046.8	21775.8	11902.9	4117.5	2315.7	1729.1
17.5°	42011.0	31164.8	25373.1	24542.7	25458.0	25742.0	21545.9	12448.3	4187.7	2362.7	1758.5
15°	39465.0	30039.2	24225.0	23456.2	24200.3	24379.1	20706.4	12547.5	4171.6	2392.2	1779.8
12.5°	36147.3	28289.8	23249.3	22220.7	22874.2	23044.3	19621.3	12230.1	4028.6	2413.9	1793.4
10°	32230.0	25968.0	21772.2	20929.7	21378.9	21543.2	18391.7	11618.9	4228.0	2429.6	1799.4
7.5°	27906.5	23176.1	19973.4	19392.8	19820.9	19878.5	16739.5	10681.4	4313.4	2433.7	1797.8
5°	23358.3	20155.0	17999.7	17629.8	17962.3	18007.8	14901.5	9533.5	4216.7	2423.1	1787.3
2.5°	19150.2	17182.4	15941.8	15766.7	16000.0	15877.6	12779.5	8257.3	4019.9	2400.2	1769.7
0°	15611.3	14492.9	13833.9	13812.0	13956.1	13608.0	10534.8	6836.9	3719.9	2366.4	1745.3
-2.5°	12801.8	12178.1	11852.6	11880.3	11970.4	11372.0	8720.6	5901.0	3500.4	2322.3	1724.5
-5°	10555.5	10197.9	10077.2	10124.2	10130.7	9248.3	6931.4	4944.5	3259.6	2268.8	1697.7
-7.5°	8707.6	8533.6	8507.5	8541.3	8479.1	7580.4	5877.5	4361.3	3048.0	2207.3	1665.2
-10°	7271.2	7169.2	7148.5	7236.3	7086.9	6217.5	4908.5	3857.7	2860.1	2139.1	1625.1
-12.5°	6222.3	6088.6	6111.3	6137.7	5814.0	5179.7	4331.6	3497.3	2693.1	2064.2	1579.4
-15°	5470.4	5319.6	5289.1	5169.7	4937.3	4489.7	3819.5	3211.1	2564.0	1984.8	1528.9
-17.5°	4924.3	4750.9	4638.5	4521.4	4316.6	3961.7	3499.7	2986.0	2431.3	1902.1	1474.8
-20°	4548.9	4369.6	4224.2	4084.6	3885.2	3636.8	3230.1	2810.4	2307.3	1815.4	1416.8



REPORT NUMBER: P902100 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NWB-LT

**CANDELA DISTRIBUTION (continued):**

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4329.8	4135.6	3992.0	3778.9	3625.9	3362.5	3048.2	2645.1	2192.0	1735.6	1354.5
-25°	4179.6	3988.8	3817.5	3631.0	3412.2	3189.6	2878.5	2514.2	2079.7	1663.0	1295.3
-27.5°	4058.1	3864.9	3682.7	3485.7	3284.3	3036.0	2753.4	2388.5	1983.5	1596.5	1248.9
-30°	3958.2	3757.9	3566.1	3356.4	3164.6	2923.1	2627.3	2273.4	1893.9	1528.4	1198.0
-32.5°	3878.6	3670.9	3452.5	3261.7	3058.3	2810.1	2507.7	2162.4	1802.6	1459.2	1142.7
-35°	3791.2	3574.5	3353.7	3160.6	2939.3	2699.8	2391.8	2051.6	1708.6	1387.4	1085.6
-37.5°	3673.6	3471.6	3234.2	3029.1	2819.6	2573.1	2264.7	1934.4	1613.6	1317.0	1031.9
-40°	3558.4	3351.0	3107.2	2896.2	2701.3	2436.7	2124.6	1811.7	1519.0	1240.7	978.1
-42.5°	3432.5	3187.5	2958.4	2752.2	2546.3	2283.5	1976.8	1683.8	1417.6	1158.9	919.8
-45°	3233.8	3008.9	2798.0	2600.7	2376.5	2115.8	1831.9	1563.7	1314.2	1072.0	856.6
-47.5°	3026.3	2816.4	2626.9	2421.3	2198.1	1947.1	1684.1	1443.4	1210.7	993.7	792.8
-50°	2810.9	2619.8	2432.5	2233.6	2014.5	1779.1	1542.1	1321.5	1104.4	910.0	730.9
-52.5°	2597.8	2408.8	2226.4	2035.3	1822.2	1607.3	1394.1	1198.3	1000.0	821.2	665.6
-55°	2344.2	2173.3	2000.1	1827.9	1622.0	1430.8	1245.9	1069.8	892.3	739.5	597.9
-57.5°	2070.3	1912.3	1769.8	1611.5	1435.0	1256.7	1096.5	944.4	782.2	656.4	533.3
-60°	1804.0	1665.5	1542.1	1412.9	1250.5	1089.9	953.2	818.9	684.7	573.4	465.9
-62.5°	1554.6	1429.3	1325.8	1213.4	1067.5	935.0	815.5	707.5	585.8	495.0	397.3
-65°	1326.1	1205.3	1109.2	1007.7	897.4	789.9	692.6	596.5	504.3	417.9	346.5
-67.5°	1110.3	1000.1	912.7	830.1	735.0	660.6	575.6	503.5	426.2	354.8	295.6
-70°	912.1	823.7	742.3	675.4	603.6	538.5	481.7	418.5	358.1	299.7	246.4
-72.5°	734.3	670.0	608.4	543.2	490.9	443.6	392.0	348.2	299.3	246.2	207.6
-75°	576.7	532.7	488.5	439.9	394.0	360.9	322.5	283.7	246.0	208.2	169.4
-77.5°	451.9	409.4	384.1	352.9	322.1	292.3	257.1	230.2	202.4	170.6	135.3
-80°	350.7	320.7	302.2	278.7	254.6	233.3	206.2	180.6	159.1	133.7	107.3
-82.5°	260.3	241.0	229.2	213.3	192.0	176.3	155.1	135.9	121.2	96.1	78.8
-85°	179.1	169.1	162.0	150.5	134.8	124.2	103.1	92.0	83.0	60.6	51.9
-87.5°	103.0	95.0	90.0	80.9	70.9	64.8	51.5	46.2	41.7	30.3	26.0
-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: P902100 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NWB-LT

**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°	19.4	16.3	13.0	9.8	6.5	2.7	0.0
85°	38.8	32.5	26.1	19.6	13.1	5.4	0.0
82.5°	58.2	48.6	39.0	29.3	19.5	8.0	0.0
80°	94.3	69.1	51.9	39.0	25.9	10.7	0.0
77.5°	131.9	99.9	68.7	48.6	32.2	13.4	0.0
75°	169.1	130.4	92.2	58.2	38.4	16.0	0.0
72.5°	225.1	160.4	115.0	72.0	44.4	18.6	0.0
70°	286.8	200.1	137.1	86.5	50.2	21.3	0.0
67.5°	347.3	250.0	158.4	100.6	55.8	23.9	0.0
65°	408.8	298.9	188.1	114.2	62.6	26.5	0.0
62.5°	470.8	346.7	225.4	127.2	70.2	29.0	0.0
60°	529.9	395.2	261.7	139.7	77.6	31.6	0.0
57.5°	586.0	445.2	297.0	152.5	84.7	34.1	0.0
55°	655.3	494.4	331.3	175.4	91.5	36.6	0.0
52.5°	722.4	542.6	365.0	196.8	98.0	39.1	0.0
50°	783.8	586.3	399.6	216.6	104.3	41.5	0.0
47.5°	840.6	627.6	431.1	234.6	110.2	43.9	0.0
45°	901.3	665.4	457.2	250.8	115.8	46.2	0.0
42.5°	959.6	699.5	480.8	265.2	121.1	48.5	0.0
40°	1011.7	730.0	502.0	278.6	126.0	50.8	0.0
37.5°	1054.3	756.6	520.6	291.1	130.5	53.0	0.0
35°	1095.7	784.2	536.4	304.7	137.5	55.5	0.0
32.5°	1135.6	810.8	550.2	317.8	144.7	58.1	0.0
30°	1171.6	834.7	562.1	329.3	151.2	60.6	0.0
27.5°	1205.2	855.8	574.8	339.3	157.7	62.8	0.0
25°	1234.7	874.2	586.0	347.7	163.5	64.9	0.0
22.5°	1259.6	890.6	595.5	354.6	168.6	66.8	0.0
20°	1281.3	906.4	603.1	359.9	173.1	68.5	0.0
17.5°	1302.5	919.0	608.9	364.9	176.8	70.1	0.0
15°	1318.8	929.9	612.9	368.8	179.8	71.5	0.0
12.5°	1329.5	938.7	616.3	371.2	182.2	72.7	0.0
10°	1334.6	944.4	618.3	372.1	183.8	73.7	0.0
7.5°	1334.9	947.0	618.4	371.7	184.9	74.6	0.0
5°	1329.9	945.8	616.5	369.9	185.3	75.3	0.0
2.5°	1319.8	941.0	612.8	366.9	185.1	75.9	0.0
0°	1304.8	932.6	607.0	362.7	184.3	76.3	0.0
-2.5°	1293.3	925.6	604.6	361.3	183.9	76.2	0.0
-5°	1277.4	915.1	600.2	358.8	182.9	76.0	0.0
-7.5°	1257.1	901.4	593.9	355.2	181.4	75.6	0.0
-10°	1232.4	884.5	585.7	350.5	179.3	75.0	0.0
-12.5°	1203.7	865.1	575.5	344.8	176.7	74.4	0.0
-15°	1171.9	843.5	563.7	338.0	173.6	73.5	0.0
-17.5°	1137.3	820.7	550.9	330.2	169.9	72.5	0.0
-20°	1098.5	797.2	536.2	321.6	165.7	71.4	0.0



REPORT NUMBER: P902100 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NWB-LT

**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1055.3	771.7	519.6	312.5	161.0	70.1	0.0
-25°	1011.3	744.4	501.3	302.5	155.8	68.7	0.0
-27.5°	966.4	715.3	481.2	291.5	150.1	67.1	0.0
-30°	922.2	684.7	459.5	279.6	144.0	65.4	0.0
-32.5°	880.7	652.5	437.3	266.9	137.5	63.6	0.0
-35°	836.2	618.9	413.9	253.3	130.5	61.6	0.0
-37.5°	790.7	585.1	391.1	239.9	124.1	59.6	0.0
-40°	746.5	551.8	371.3	228.1	119.8	57.5	0.0
-42.5°	702.1	517.0	350.1	215.7	115.2	55.4	0.0
-45°	656.7	480.6	327.6	202.7	110.5	53.1	0.0
-47.5°	608.9	442.8	303.8	189.1	105.5	50.7	0.0
-50°	562.9	403.6	279.2	174.9	100.3	48.3	0.0
-52.5°	515.6	373.1	254.3	160.1	94.8	45.7	0.0
-55°	466.4	341.9	233.3	144.8	89.2	43.1	0.0
-57.5°	413.3	308.8	212.4	129.0	83.5	40.4	0.0
-60°	367.7	273.9	190.5	119.5	77.5	37.6	0.0
-62.5°	322.1	241.1	167.6	110.4	71.4	34.7	0.0
-65°	276.5	210.7	143.9	101.0	65.2	31.7	0.0
-67.5°	236.2	180.1	125.0	91.3	58.9	28.7	0.0
-70°	200.3	149.2	111.7	81.5	52.7	25.7	0.0
-72.5°	163.9	125.2	98.2	71.6	46.4	22.6	0.0
-75°	131.0	107.4	84.4	61.5	39.9	19.4	0.0
-77.5°	109.2	89.2	70.5	51.5	33.4	16.3	0.0
-80°	87.3	70.8	56.5	41.3	26.8	13.0	0.0
-82.5°	65.2	53.0	42.5	31.1	20.2	9.8	0.0
-85°	43.5	35.4	28.4	20.8	13.5	6.5	0.0
-87.5°	21.8	17.7	14.2	10.4	6.7	3.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)