

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: P902054 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-A35-MB**

Issue Date: 11/13/2024

Test Information

Test Method: LM-79-08
Report Number: P902054 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVM2039700)
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-A35-MB
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A35-MB OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

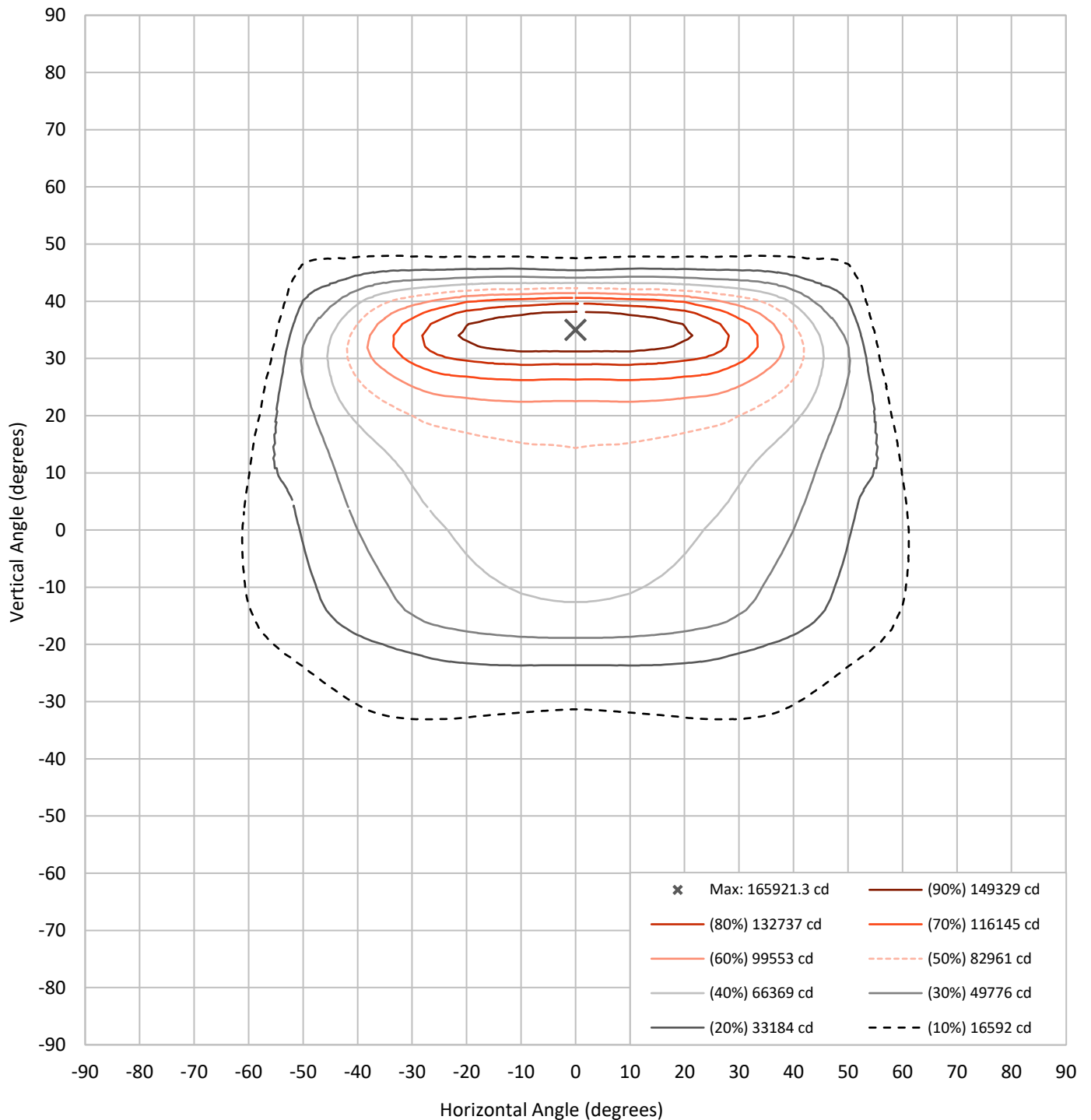
Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	163140.4 lumens	Max Intensity:	165921.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 35°V
Efficacy:	115.5 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		

Beam Angle (50%):	81.9°H x 27.9°V	Field Angle (10%):	109°H x 78.6°V
Beam Lumens:	62882.9 lumens	Field Lumens:	150115.1 lumens
Beam Efficiency:	38.5%	Field Efficiency:	92.0%

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: P902054 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MB

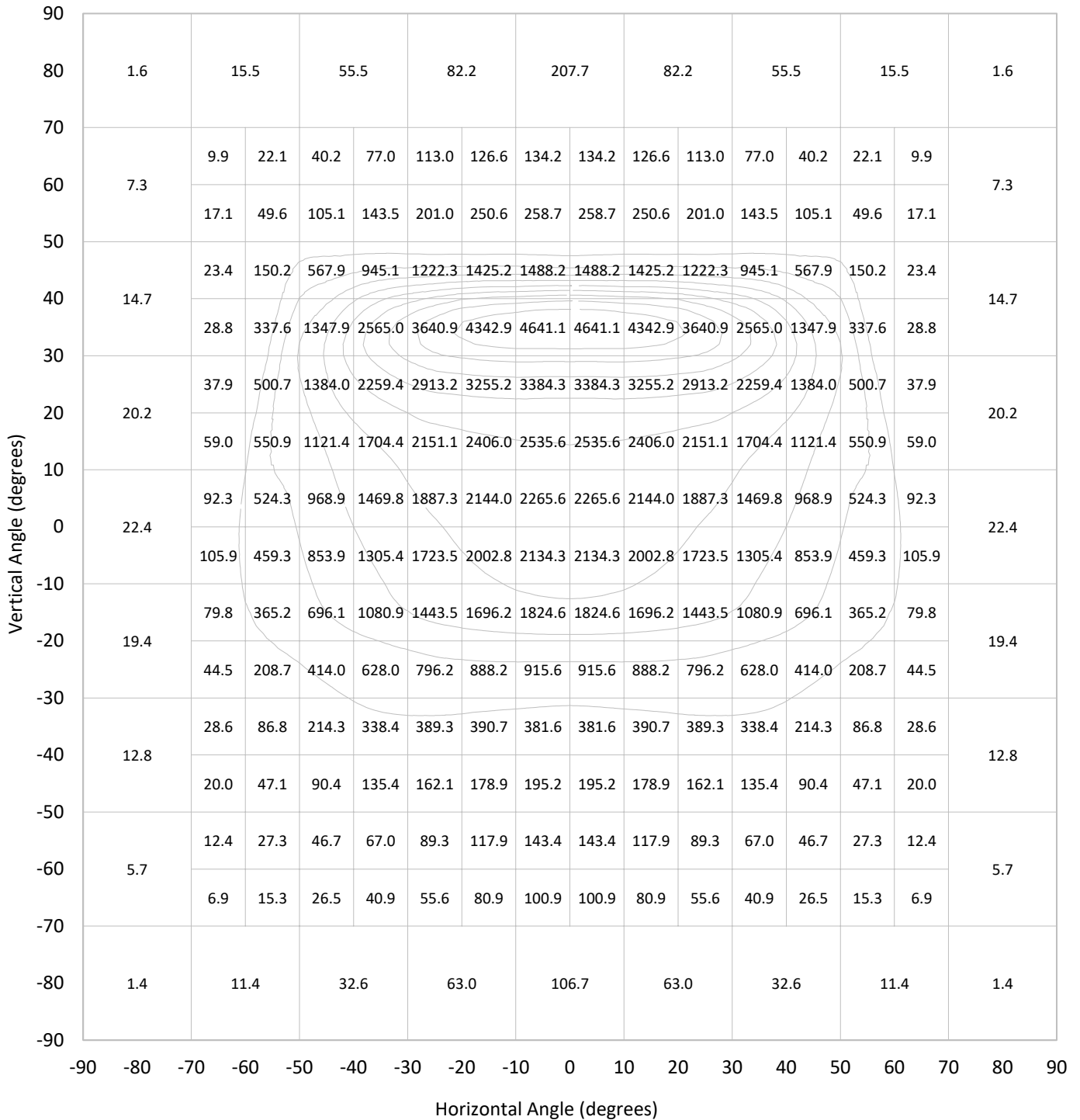
Iso-Candela Plot





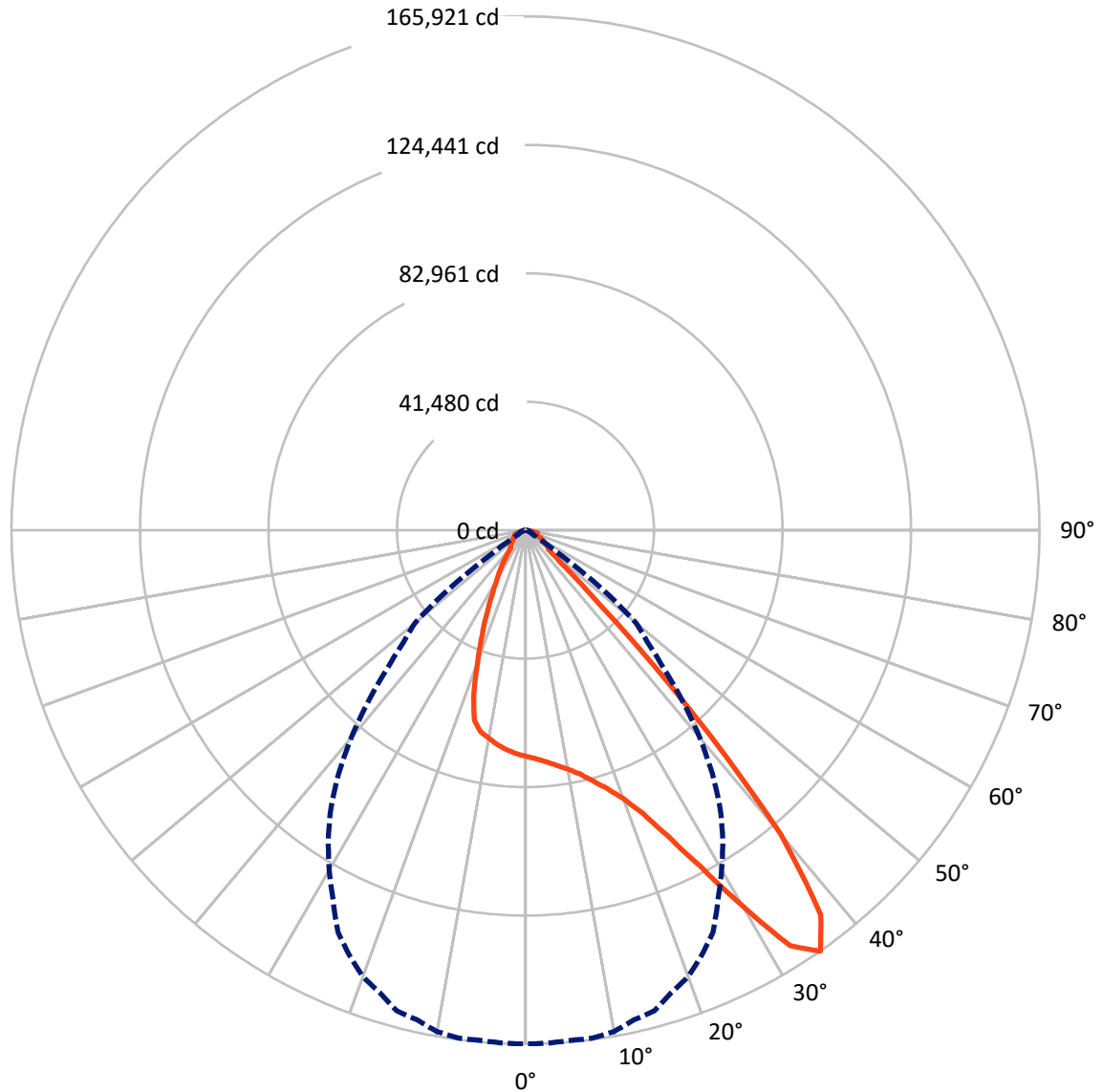
REPORT NUMBER: P902054 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MB

Lumen Table



REPORT NUMBER: P902054 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MB

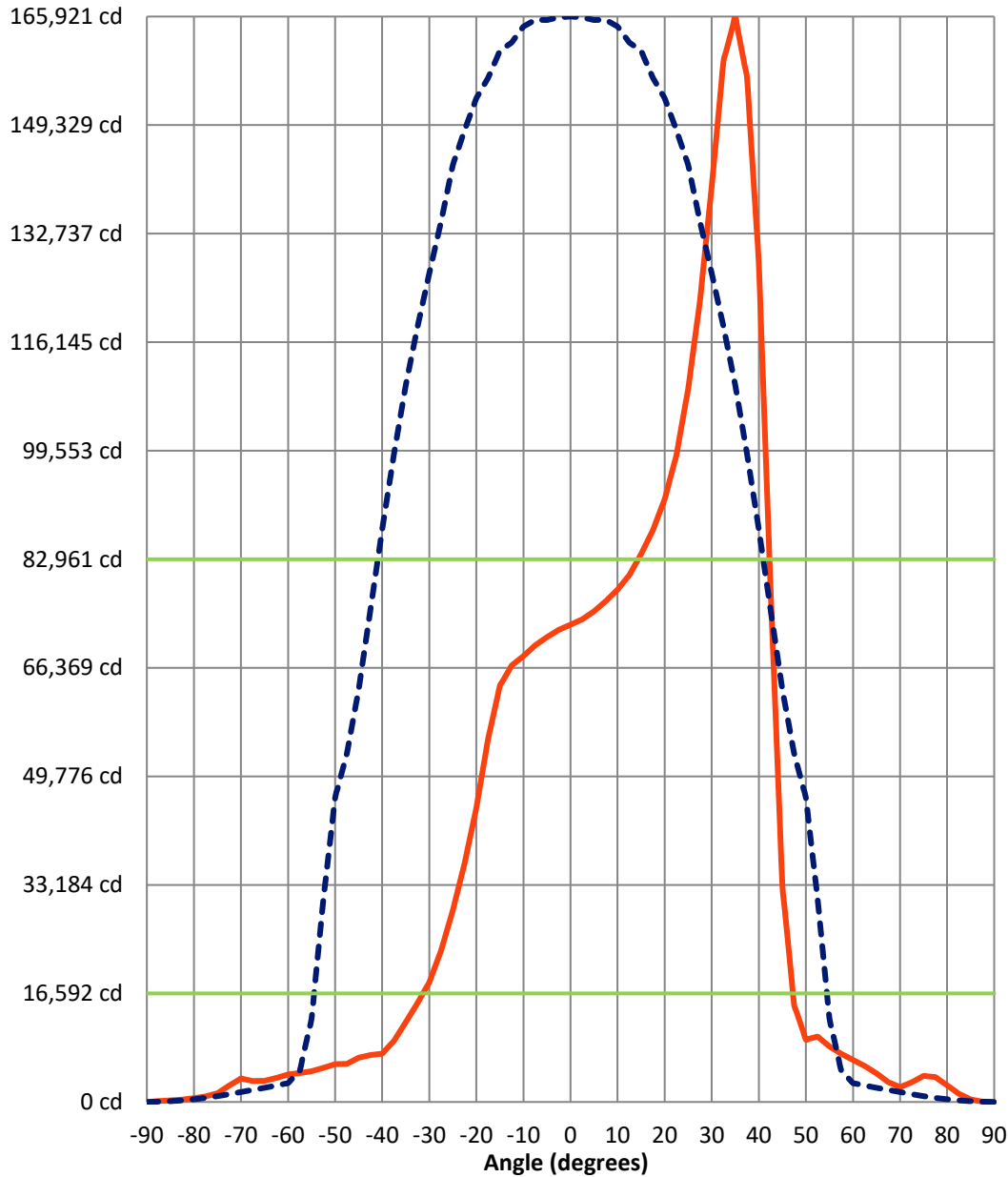
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 35-Deg

REPORT NUMBER: P902054 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MB

Luminous Intensity Plot



Beam:
 H Angle: 81.9°
 V Angle: 27.9°
 Lumens: 62882.9
 Efficiency: 38.5%

Field:
 H Angle: 109°
 V Angle: 78.6°
 Lumens: 150115.1
 Efficiency: 92.0%

Spill:
 Lumens: 13025.3
 Efficiency: 8.0%

— Vertical Distribution through 0-Deg
 - - Horizontal Distribution through 35-Deg



REPORT NUMBER: P902054 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MB

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	2.9	5.7	8.6	11.2	14.7	17.4	20.3	23.0	19.9	20.3
85°	0.0	5.8	11.4	17.1	22.5	29.4	34.8	40.5	46.0	40.1	43.6
82.5°	0.0	8.7	17.1	25.7	33.7	44.0	52.2	64.8	77.4	82.1	91.9
80°	0.0	11.6	22.8	34.2	44.8	60.6	79.1	97.2	113.0	125.9	145.9
77.5°	0.0	14.5	28.5	42.6	57.6	82.2	106.8	129.4	155.3	189.1	222.5
75°	0.0	17.3	34.0	50.9	73.3	103.3	134.0	171.1	212.8	256.5	305.5
72.5°	0.0	20.1	39.6	61.2	88.6	123.9	169.6	217.7	269.0	338.5	406.4
70°	0.0	22.9	45.0	71.9	103.6	149.1	207.7	263.5	342.1	427.6	509.9
67.5°	0.0	25.6	50.4	82.4	118.2	179.4	244.8	322.1	414.7	520.6	621.0
65°	0.0	28.3	56.6	92.7	137.4	209.1	287.0	381.3	491.9	617.2	740.1
62.5°	0.0	31.0	63.2	102.9	160.5	238.3	334.7	438.6	580.4	717.4	882.1
60°	0.0	33.5	69.6	112.8	182.8	271.8	381.0	512.6	669.6	837.2	1021.9
57.5°	0.0	36.0	75.8	123.0	204.2	310.7	425.8	584.0	763.7	952.8	1171.0
55°	0.0	38.5	81.7	138.7	224.7	348.8	483.2	652.2	854.7	1075.4	1315.8
52.5°	0.0	40.8	87.4	153.9	246.0	386.0	538.3	725.5	940.3	1191.4	1450.0
50°	0.0	43.1	92.7	168.5	273.0	420.2	589.7	796.9	1035.3	1298.7	1575.0
47.5°	0.0	45.3	97.8	182.5	299.1	457.8	639.0	865.3	1127.7	1403.4	1686.0
45°	0.0	47.5	102.6	195.9	324.7	493.7	695.6	935.3	1214.9	1503.6	1793.6
42.5°	0.0	49.5	107.1	208.7	348.9	527.9	749.8	1005.6	1296.5	1597.1	1898.5
40°	0.0	51.5	111.2	219.9	371.8	560.4	800.6	1070.5	1373.6	1682.5	1990.5
37.5°	0.0	53.3	115.0	229.8	393.2	591.0	846.2	1129.7	1445.9	1767.0	2077.1
35°	0.0	55.2	120.5	242.0	416.1	625.0	889.3	1187.9	1519.2	1850.3	2164.3
32.5°	0.0	57.0	126.3	254.5	438.7	659.2	929.8	1243.6	1592.4	1930.6	2270.1
30°	0.0	58.6	131.5	265.8	459.8	690.6	966.5	1293.0	1663.5	2010.7	2370.6
27.5°	0.0	60.2	136.7	275.9	477.1	719.0	1002.2	1336.8	1724.2	2086.8	2470.3
25°	0.0	61.6	141.3	284.9	492.5	744.4	1034.6	1375.0	1773.0	2167.1	2573.8
22.5°	0.0	62.8	145.5	292.7	506.2	766.8	1062.8	1414.4	1817.6	2235.8	2673.4
20°	0.0	64.0	149.3	299.3	518.2	786.1	1088.4	1452.4	1863.0	2294.6	2737.7
17.5°	0.0	65.0	152.5	306.2	528.4	802.9	1115.0	1485.1	1907.5	2345.6	2789.3
15°	0.0	65.8	155.2	312.6	536.8	817.9	1139.0	1516.7	1946.5	2391.0	2912.0
12.5°	0.0	66.6	157.5	317.9	545.4	831.0	1159.1	1549.0	1992.2	2427.7	3187.2
10°	0.0	67.2	159.3	322.1	553.0	840.9	1175.3	1576.5	2042.8	2512.3	3525.0
7.5°	0.0	67.6	160.6	325.2	558.6	847.5	1185.9	1598.1	2088.3	2611.6	3972.8
5°	0.0	67.9	161.3	327.2	562.4	851.1	1191.6	1610.5	2137.2	2721.9	4417.7
2.5°	0.0	68.1	161.6	328.1	564.3	851.5	1192.9	1617.0	2183.0	2839.7	4844.2
0°	0.0	68.1	161.5	327.9	564.3	848.9	1189.8	1617.4	2220.8	2942.4	5215.9
-2.5°	0.0	68.1	161.2	327.2	561.8	845.2	1180.5	1605.0	2228.7	2988.1	5298.8
-5°	0.0	67.9	160.5	325.5	557.3	838.7	1167.0	1586.2	2225.1	3016.9	5284.0
-7.5°	0.0	67.5	159.3	322.6	551.1	829.3	1149.4	1561.0	2206.6	3018.7	5049.1
-10°	0.0	67.1	157.6	318.7	543.2	817.3	1129.4	1537.3	2169.5	3004.1	4698.4
-12.5°	0.0	66.4	155.4	313.7	533.5	802.2	1110.0	1509.0	2120.8	2978.9	4227.7
-15°	0.0	65.7	152.7	307.6	521.4	783.6	1086.3	1474.6	2057.4	2896.6	3682.2
-17.5°	0.0	64.9	149.6	300.5	505.8	762.4	1058.2	1433.9	1980.1	2793.3	3408.4
-20°	0.0	63.9	146.1	292.1	489.0	738.6	1025.9	1387.2	1893.6	2645.4	3252.1



REPORT NUMBER: P902054 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MB

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	62.7	142.0	282.3	471.0	711.6	993.1	1334.9	1794.5	2471.5	3098.0
-25°	0.0	61.5	137.5	271.6	451.9	683.2	958.3	1283.4	1686.0	2292.0	2936.4
-27.5°	0.0	60.1	132.6	260.1	431.8	653.2	919.6	1231.2	1603.6	2125.3	2752.5
-30°	0.0	58.7	127.3	247.9	411.0	621.3	877.6	1175.0	1524.0	1986.9	2536.8
-32.5°	0.0	57.1	121.5	234.8	390.5	587.6	833.3	1115.0	1441.7	1849.1	2336.6
-35°	0.0	55.3	115.4	221.1	368.4	552.2	785.6	1051.3	1354.8	1715.2	2148.6
-37.5°	0.0	53.5	109.7	207.9	346.0	517.8	737.2	987.3	1270.2	1597.1	1977.5
-40°	0.0	51.7	105.9	197.6	325.7	486.9	690.2	924.2	1186.2	1487.3	1822.9
-42.5°	0.0	49.8	101.8	186.7	304.5	454.3	639.9	857.6	1096.7	1368.6	1676.5
-45°	0.0	47.7	97.6	175.4	282.6	420.3	585.5	787.3	1002.0	1249.5	1529.9
-47.5°	0.0	45.6	93.1	163.6	259.9	384.7	527.5	714.0	914.3	1132.8	1375.0
-50°	0.0	43.4	88.5	151.5	236.8	347.8	478.7	642.1	820.5	1009.4	1218.3
-52.5°	0.0	41.1	83.7	138.9	213.1	318.1	430.7	568.9	723.9	894.1	1072.1
-55°	0.0	38.7	78.7	126.1	194.7	286.2	381.6	496.7	640.2	786.6	924.6
-57.5°	0.0	36.3	73.5	112.8	177.2	254.0	333.1	441.9	557.3	683.8	810.7
-60°	0.0	33.7	68.2	104.4	159.3	221.5	297.0	386.3	479.0	596.6	700.3
-62.5°	0.0	31.2	62.8	96.1	141.0	194.3	260.2	330.3	416.9	509.4	605.9
-65°	0.0	28.5	57.2	87.7	122.2	171.3	222.7	285.9	353.4	434.5	517.8
-67.5°	0.0	25.8	51.6	79.0	106.7	148.0	190.3	240.5	296.4	361.6	434.5
-70°	0.0	23.1	46.1	70.2	94.9	124.6	162.8	196.1	243.5	295.4	352.5
-72.5°	0.0	20.3	40.5	61.2	82.9	105.4	134.8	163.2	192.0	235.5	281.0
-75°	0.0	17.5	34.9	52.3	70.8	90.0	109.0	130.2	155.1	181.6	214.0
-77.5°	0.0	14.6	29.2	43.7	58.5	74.4	90.2	101.7	117.9	140.1	162.2
-80°	0.0	11.7	23.4	35.1	46.7	58.6	71.2	81.4	91.4	101.8	116.0
-82.5°	0.0	8.8	17.6	26.4	35.1	43.7	52.3	61.3	69.3	77.2	85.0
-85°	0.0	5.9	11.8	17.6	23.4	29.2	34.9	41.0	46.8	52.4	57.7
-87.5°	0.0	2.9	5.9	8.8	11.7	14.6	17.5	20.5	23.4	26.2	28.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902054 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MB

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°	21.4	23.7	25.4	27.2	28.8	30.4	32.0	33.5	32.2	34.3	35.5
85°	50.8	58.2	66.5	74.6	82.1	89.3	96.3	102.5	101.9	101.2	106.2
82.5°	102.3	109.5	122.9	141.8	158.9	175.5	191.4	207.4	218.2	220.4	231.5
80°	169.9	189.7	212.3	234.3	258.4	288.6	316.6	348.8	383.5	400.3	423.1
77.5°	252.3	283.3	320.1	354.0	390.3	428.9	472.7	529.1	603.5	660.9	721.5
75°	356.7	404.7	446.0	497.5	550.9	616.1	664.7	752.0	886.6	1001.7	1161.4
72.5°	467.4	535.7	605.3	668.2	728.2	814.1	897.6	1015.7	1197.4	1377.4	1586.8
70°	593.6	674.1	755.6	829.3	908.2	1025.8	1152.5	1292.2	1480.4	1723.3	1987.3
67.5°	722.9	818.4	897.2	1003.7	1105.2	1246.8	1400.1	1545.5	1716.0	1986.9	2352.0
65°	876.2	977.6	1086.8	1196.9	1345.8	1495.7	1646.3	1793.0	1949.7	2196.3	2598.8
62.5°	1038.2	1182.6	1316.6	1480.6	1644.2	1812.6	1936.2	2104.8	2268.5	2487.7	2748.4
60°	1212.8	1389.3	1587.5	1822.2	2023.6	2234.7	2365.4	2542.4	2760.8	2960.8	3163.3
57.5°	1381.0	1589.6	1861.9	2217.6	2516.9	2793.9	2964.2	3138.5	3402.1	3651.3	3908.2
55°	1539.4	1769.4	2097.7	2635.9	3130.6	3595.4	4067.5	4106.3	4399.5	4605.0	4927.6
52.5°	1687.0	1928.7	2308.7	2976.0	3862.5	5611.3	6187.8	6129.3	6151.5	6233.3	6542.1
50°	1821.5	2092.0	2498.6	3310.6	6121.7	9048.3	9964.5	9677.1	9337.3	9528.6	9860.6
47.5°	1949.9	2241.3	2713.9	4361.5	8860.3	13906.4	16054.6	16049.5	15934.3	16966.0	17517.3
45°	2069.5	2391.5	3024.9	5279.6	12332.5	20476.7	23823.3	24522.2	26909.2	29724.2	31830.8
42.5°	2180.8	2527.6	3362.9	7135.7	16449.5	27236.4	32039.8	34808.3	39933.4	46044.7	51719.3
40°	2302.8	2637.2	3709.9	8454.8	20170.6	33615.4	40125.4	45254.9	53606.1	63327.2	72423.4
37.5°	2421.3	2709.8	4431.9	11038.6	25486.8	40121.8	47371.8	54582.8	65838.0	77372.7	88316.6
35°	2520.6	2883.7	4815.7	12775.6	30961.0	46499.2	53292.6	63057.6	75260.9	87540.1	99048.0
32.5°	2604.4	3263.6	6422.6	17263.6	36166.8	49786.2	56978.2	67601.8	80368.4	92471.0	103364.9
30°	2703.1	3594.2	7370.7	20814.1	40815.5	51213.9	57988.7	68706.8	80232.9	90468.2	99224.6
27.5°	2875.5	4236.9	9939.3	24748.3	42193.7	50512.8	57083.0	66854.6	76855.0	85357.8	92345.5
25°	3168.5	5272.8	12791.9	29007.0	43265.7	48649.1	55426.3	64396.6	72810.4	79850.8	85485.3
22.5°	3464.0	6204.5	15649.1	32606.5	43724.8	46833.5	53240.5	61069.5	68233.7	74182.5	78995.3
20°	3757.8	7252.2	18907.9	34307.4	41823.5	44958.7	50749.6	57675.3	63906.3	69006.7	73229.3
17.5°	4238.9	9598.3	22367.8	35405.5	39723.4	42751.4	48276.5	54462.9	60018.5	64612.5	68434.9
15°	5041.2	11882.4	25212.3	35848.0	37535.1	40764.3	46104.0	51741.1	56958.5	61190.5	64722.7
12.5°	6000.5	13977.6	27480.2	35342.1	35859.2	39161.4	44312.5	49561.0	54570.3	58565.9	61906.8
10°	6974.2	15960.4	29035.7	33604.4	34396.6	37890.1	42867.0	47761.6	52539.4	56475.0	59762.8
7.5°	8159.5	17718.8	29187.4	32090.8	33309.6	36845.0	41661.7	46314.9	50845.9	54672.4	57950.6
5°	9324.2	19230.2	28712.8	30821.0	32363.4	35927.6	40498.7	44890.8	49211.0	52932.2	56219.4
2.5°	10426.7	20282.4	27873.9	29602.4	31480.4	35028.8	39329.3	43562.5	47704.0	51277.8	54508.1
0°	11398.7	20983.6	26802.7	28358.2	30578.4	34099.0	38205.5	42248.3	46285.9	49767.3	52921.0
-2.5°	11777.9	20859.0	25467.4	27047.0	29592.5	33164.9	37120.5	40948.3	44748.8	48118.2	51231.5
-5°	11925.8	20435.4	24180.7	25732.2	28475.2	32115.7	35991.2	39645.8	43295.4	46542.6	49589.6
-7.5°	11468.2	19571.5	22974.2	24414.4	27233.9	30862.1	34697.8	38245.7	41747.6	44872.4	47832.9
-10°	10782.4	18504.0	22071.3	23253.5	25918.9	29541.0	33302.0	36705.9	40138.9	43236.5	46166.8
-12.5°	9697.9	17212.9	21044.1	22241.8	24896.8	28251.1	31996.3	35514.9	38808.7	41959.1	44693.9
-15°	8419.2	15194.4	19688.8	21248.5	23158.7	26460.6	29959.0	33371.0	36592.9	39831.9	42486.5
-17.5°	6745.7	12803.4	17523.3	19230.9	20921.9	23295.4	26495.0	29365.7	32293.4	35011.7	37422.5
-20°	5529.0	10139.8	14775.3	17127.9	18345.2	20268.2	22563.3	25058.3	27331.4	29638.2	31678.1



REPORT NUMBER: P902054 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MB

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	4650.0	7906.8	12086.8	15037.1	16321.4	17702.0	19572.0	21599.4	23544.7	25499.9	27230.2
-25°	3899.6	6223.0	9365.9	12374.3	14298.7	15658.2	17134.9	18833.2	20442.6	22108.1	23523.0
-27.5°	3313.6	4822.3	7033.1	9646.4	11896.1	13644.6	15052.4	16506.2	17967.2	19354.7	20557.5
-30°	3020.9	3968.0	5252.9	7210.0	9375.6	11404.1	13038.0	14514.8	15837.8	17054.2	18120.1
-32.5°	2803.1	3447.0	4333.8	5545.6	7105.4	8916.7	10724.6	12418.2	13877.8	15009.1	15910.7
-35°	2572.6	3035.5	3605.7	4362.6	5407.2	6727.5	8307.8	9948.2	11391.7	12549.9	13374.4
-37.5°	2353.3	2743.1	3207.3	3767.5	4441.3	5306.0	6289.2	7347.0	8575.1	9689.8	10421.9
-40°	2151.1	2483.7	2855.2	3275.9	3773.6	4372.4	5039.2	5733.5	6383.3	7070.7	7757.3
-42.5°	1961.9	2258.7	2579.0	2936.0	3343.8	3797.1	4280.9	4762.5	5209.7	5627.7	6050.1
-45°	1800.1	2058.5	2326.8	2625.7	2973.2	3357.4	3768.6	4155.9	4491.8	4853.6	5166.9
-47.5°	1623.8	1850.5	2086.6	2348.0	2620.3	2930.0	3256.8	3565.7	3869.0	4063.6	4168.3
-50°	1434.1	1632.5	1832.8	2043.2	2261.5	2499.7	2714.4	2937.5	3100.9	3212.3	3301.5
-52.5°	1243.5	1413.4	1587.0	1748.9	1919.1	2109.9	2253.8	2421.1	2580.6	2697.7	2818.7
-55°	1079.5	1226.3	1359.4	1512.1	1660.7	1810.6	1950.6	2078.3	2245.3	2383.2	2507.4
-57.5°	933.3	1065.6	1199.7	1329.0	1466.8	1594.4	1725.7	1850.3	1995.8	2132.7	2257.8
-60°	812.6	930.0	1051.1	1173.5	1299.2	1417.9	1533.7	1647.2	1770.5	1896.4	2021.9
-62.5°	706.1	809.2	913.4	1017.6	1124.8	1232.8	1336.9	1433.5	1535.2	1653.5	1778.8
-65°	606.6	694.7	778.1	860.9	954.3	1038.2	1133.3	1216.4	1317.4	1419.6	1542.4
-67.5°	507.8	580.3	640.6	712.6	789.7	856.6	936.0	1003.3	1088.8	1180.5	1284.5
-70°	414.3	464.3	512.8	575.8	636.1	692.8	750.2	804.9	870.8	940.6	1017.4
-72.5°	319.8	359.5	401.9	450.2	503.7	548.2	586.1	629.1	674.1	723.6	777.0
-75°	248.0	271.1	304.9	349.2	387.4	422.6	458.3	481.4	505.9	538.2	572.3
-77.5°	181.9	200.9	230.3	258.9	284.8	299.9	327.9	347.2	364.1	387.0	411.5
-80°	133.4	148.4	164.6	180.1	195.1	210.0	226.8	239.0	249.3	262.5	287.0
-82.5°	93.5	102.7	109.3	120.6	133.0	143.2	152.1	159.9	166.7	173.9	185.8
-85°	63.0	68.5	73.1	78.0	87.9	95.1	99.1	103.4	107.5	111.0	114.1
-87.5°	31.6	34.2	36.8	39.3	48.2	53.8	56.6	59.2	61.7	64.1	66.2
-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: P902054 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MB

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°	37.8	40.2	42.2	43.9	42.1	42.1	42.8	49.1	49.7	44.8	44.0
85°	111.8	115.8	123.1	121.7	123.2	129.1	135.4	149.8	162.0	186.6	230.2
82.5°	241.8	249.7	257.3	262.4	265.7	272.7	302.3	329.5	377.7	475.8	658.0
80°	444.0	461.3	479.3	491.1	474.1	466.9	517.9	563.7	645.7	884.7	1344.5
77.5°	770.5	782.8	770.5	740.6	710.3	696.5	705.5	775.6	871.9	1165.7	1798.4
75°	1286.8	1256.6	1117.9	1021.8	996.4	982.4	982.7	1029.7	1143.2	1363.4	1821.8
72.5°	1869.3	1947.0	1721.7	1507.4	1424.0	1393.2	1405.2	1442.0	1529.1	1656.6	1881.4
70°	2377.7	2710.3	2605.0	2274.9	2059.2	1995.0	2012.7	2075.3	2171.2	2272.0	2355.6
67.5°	2776.3	3326.3	3588.7	3364.6	3027.0	2903.1	2940.7	3069.7	3232.4	3360.6	3419.6
65°	3074.7	3653.3	4221.8	4465.0	4229.1	4064.9	4054.1	4160.9	4361.6	4533.1	4635.0
62.5°	3235.4	3898.7	4525.0	4972.2	5223.5	5224.3	5210.9	5245.6	5367.9	5485.1	5578.4
60°	3503.3	4185.1	4850.5	5400.6	5887.4	6174.9	6328.2	6362.3	6411.3	6468.8	6512.7
57.5°	4177.3	4716.2	5269.3	5841.9	6407.4	6871.3	7189.9	7369.3	7469.2	7523.4	7537.4
55°	5239.8	5638.1	6032.4	6444.9	6978.0	7607.6	8121.3	8493.3	8703.5	8784.5	8805.8
52.5°	6579.8	6940.8	7149.0	7494.1	7915.9	8500.9	8965.4	9398.0	9909.7	10087.7	10030.8
50°	9632.9	9882.9	9461.1	9709.6	9584.5	9955.0	10146.6	10150.7	10367.9	10366.0	10225.7
47.5°	17920.2	18129.2	17087.3	17218.8	16049.2	16584.9	16680.6	15791.4	16314.9	16567.1	16536.1
45°	33980.1	34967.6	34993.6	35979.3	35555.8	37039.9	37718.6	37589.5	38139.2	38713.7	38486.2
42.5°	56614.4	60240.8	63094.2	65392.1	67280.0	70476.9	71659.3	74088.3	75966.6	74768.2	75341.2
40°	80285.3	87263.6	92781.7	97707.4	103778.3	108641.5	114964.0	116602.2	120393.1	122206.9	123137.5
37.5°	98360.9	107150.1	114660.1	122174.7	130173.8	136425.0	142165.4	145069.1	149427.7	150887.0	152604.8
35°	109540.5	118492.6	126661.5	134574.2	143218.7	148550.3	153428.0	156561.4	160664.4	161954.2	164384.5
32.5°	112337.8	120362.8	127683.1	134772.8	141932.2	146192.3	149241.2	152460.8	154791.2	156514.6	158136.9
30°	106644.2	113527.0	119803.2	125617.3	130504.1	133137.2	135133.0	136854.0	138795.9	139636.4	140557.7
27.5°	98214.4	103739.5	108652.0	113035.3	116664.0	118174.5	119223.3	120764.1	121883.0	121963.0	122818.5
25°	90316.0	94855.7	98795.1	102578.6	105185.6	106085.2	106943.1	108081.7	108830.8	109230.6	109620.3
22.5°	83116.4	86782.2	90145.7	93480.5	95468.7	96117.3	97048.0	97974.6	98694.9	99031.1	99420.6
20°	76802.5	79930.3	82944.6	85977.7	87683.1	88338.3	89287.6	90336.7	90983.1	91421.0	91794.3
17.5°	71692.0	74545.7	77482.1	80357.4	81808.6	82696.8	83632.0	84683.3	85406.7	85935.4	86434.3
15°	67697.4	70523.7	73495.1	76064.1	77482.6	78486.3	79481.4	80388.3	81150.1	81850.3	82413.5
12.5°	64726.6	67478.0	70350.0	72938.0	74349.5	75438.4	76377.9	77122.1	77867.2	78632.9	79449.5
10°	62548.8	65127.2	68052.8	70597.1	72034.0	73401.8	74219.0	74935.9	75540.7	76331.5	77215.0
7.5°	60705.6	63255.3	66144.5	68612.9	70220.2	71600.9	72601.6	73354.3	74028.8	74717.2	75347.0
5°	58913.6	61481.1	64347.7	66887.4	68637.9	70070.9	71328.3	72284.5	72942.1	73484.6	73925.5
2.5°	57219.0	59813.3	62722.3	65310.4	66997.6	68583.8	69999.3	71134.6	71963.8	72557.5	72965.0
0°	55574.1	58104.3	61071.4	63606.2	65367.3	67046.6	68607.5	69822.6	70837.4	71626.9	72157.1
-2.5°	53936.2	56534.5	59470.3	62191.7	64079.1	65740.9	67315.0	68587.3	69598.4	70453.4	71080.3
-5°	52370.8	55078.0	58069.1	61020.1	62854.0	64427.5	65982.9	67319.8	68327.7	69240.5	69936.8
-7.5°	50697.1	53475.1	56501.6	59446.2	61542.1	63058.1	64615.0	65951.4	67058.8	68005.8	68740.4
-10°	48927.7	51671.1	54545.9	57524.9	59636.6	61260.7	62929.5	64233.6	65393.6	66359.4	67099.1
-12.5°	47402.9	49998.3	52735.9	55800.8	57919.6	59420.9	61057.4	62498.8	63648.3	64652.1	65415.7
-15°	45266.9	47559.3	49997.1	52706.8	54965.7	56511.7	58009.5	59368.9	60487.6	61475.0	62456.8
-17.5°	39705.0	41805.5	43875.3	46119.9	48233.6	49344.3	50730.6	51805.4	52792.2	53569.7	54332.4
-20°	33435.9	35054.0	36537.5	38291.8	39903.7	40884.1	41682.5	42574.6	43355.9	43940.9	44460.2



REPORT NUMBER: P902054 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MB

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	28654.1	29916.2	31084.0	32359.7	33567.8	34314.2	34844.8	35330.4	35832.9	36144.4	36297.5
-25°	24825.1	25874.0	26736.2	27620.0	28541.1	29024.5	29244.7	29596.4	29699.3	29627.1	29577.6
-27.5°	21555.7	22361.1	22962.2	23511.6	24090.2	24430.7	24401.0	24333.8	24182.5	23931.2	23730.9
-30°	18920.0	19500.9	19871.5	20118.8	20391.5	20519.8	20261.5	19957.1	19687.8	19360.8	19124.6
-32.5°	16589.1	17001.8	17257.2	17334.3	17299.3	17249.9	16950.9	16543.2	16316.8	16057.3	15831.4
-35°	13949.5	14246.5	14387.7	14328.8	14209.1	13982.2	13718.7	13362.1	13100.1	12860.7	12688.2
-37.5°	10876.0	11055.9	11157.0	11014.9	10799.0	10693.3	10446.5	10202.7	9900.8	9806.9	9741.6
-40°	8188.2	8380.0	8441.6	8420.6	8269.7	8185.0	7940.4	7957.9	7742.7	7701.8	7676.8
-42.5°	6460.2	6660.5	6736.0	6838.2	6792.5	6873.6	6814.5	6878.6	6790.9	6771.7	6936.7
-45°	5386.7	5584.7	5747.5	5804.1	5915.8	5907.6	5993.4	6003.5	6128.5	6200.7	6317.6
-47.5°	4302.1	4398.4	4494.3	4626.9	4683.7	4776.4	4941.6	5068.4	5213.4	5310.2	5397.6
-50°	3356.5	3514.3	3641.0	3823.1	3951.8	4103.4	4299.7	4465.7	4591.5	4768.1	4977.4
-52.5°	2917.6	3063.0	3202.6	3362.2	3500.6	3684.8	3872.4	4021.2	4181.9	4481.2	4757.4
-55°	2613.9	2760.6	2897.2	3041.4	3188.3	3341.2	3491.4	3636.5	3914.2	4233.7	4408.2
-57.5°	2384.7	2526.1	2659.4	2796.0	2937.4	3050.6	3170.5	3419.2	3776.0	4075.8	4367.5
-60°	2161.9	2294.4	2416.8	2537.6	2649.3	2737.3	2896.7	3254.0	3597.0	3927.4	4112.7
-62.5°	1912.6	2033.3	2144.3	2234.2	2315.9	2393.4	2615.9	2971.2	3281.1	3516.7	3586.7
-65°	1660.9	1767.7	1851.6	1914.4	1978.5	2082.9	2328.4	2618.3	2834.6	2970.6	3048.5
-67.5°	1376.2	1474.0	1545.4	1610.2	1666.0	1785.6	2011.3	2201.3	2316.1	2426.3	2583.6
-70°	1089.3	1163.6	1229.6	1285.9	1340.7	1427.1	1581.2	1714.4	1820.3	1938.3	2084.6
-72.5°	831.4	887.1	945.4	997.7	1040.0	1088.9	1161.5	1262.0	1360.3	1451.3	1560.9
-75°	615.4	660.6	703.6	741.4	772.6	803.3	833.8	892.3	962.9	1020.6	1090.2
-77.5°	437.0	465.7	493.1	520.1	546.2	565.4	582.7	607.1	645.4	671.1	723.6
-80°	306.9	321.9	335.2	350.5	373.3	389.3	399.3	421.0	431.3	439.9	477.5
-82.5°	201.9	215.9	230.2	237.6	251.4	264.4	272.4	278.2	284.6	297.5	306.3
-85°	123.9	135.3	149.7	153.9	161.6	168.1	181.2	184.0	191.6	197.9	199.8
-87.5°	67.6	72.3	78.8	80.6	82.2	83.8	101.2	102.5	109.9	116.8	117.4
-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: P902054 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MB

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°	45.0	47.4	49.9	50.8	49.9	47.4	45.0	44.0	44.8	49.7	49.1
85°	287.9	342.4	377.9	392.9	377.9	342.4	287.9	230.2	186.6	162.0	149.8
82.5°	889.3	1100.3	1220.5	1254.8	1220.5	1100.3	889.3	658.0	475.8	377.7	329.5
80°	1919.1	2377.5	2558.8	2548.4	2558.8	2377.5	1919.1	1344.5	884.7	645.7	563.7
77.5°	2547.3	3209.1	3728.0	3803.2	3728.0	3209.1	2547.3	1798.4	1165.7	871.9	775.6
75°	2598.5	3460.2	3871.5	3990.2	3871.5	3460.2	2598.5	1821.8	1363.4	1143.2	1029.7
72.5°	2312.8	2806.0	2983.6	3012.9	2983.6	2806.0	2312.8	1881.4	1656.6	1529.1	1442.0
70°	2375.7	2308.2	2277.1	2275.4	2277.1	2308.2	2375.7	2355.6	2272.0	2171.2	2075.3
67.5°	3376.3	3217.5	3091.2	3039.9	3091.2	3217.5	3376.3	3419.6	3360.6	3232.4	3069.7
65°	4624.2	4514.2	4415.6	4370.9	4415.6	4514.2	4624.2	4635.0	4533.1	4361.6	4160.9
62.5°	5611.9	5576.1	5523.0	5500.3	5523.0	5576.1	5611.9	5578.4	5485.1	5367.9	5245.6
60°	6523.6	6495.2	6450.8	6428.0	6450.8	6495.2	6523.6	6512.7	6468.8	6411.3	6362.3
57.5°	7526.6	7459.2	7394.7	7368.6	7394.7	7459.2	7526.6	7537.4	7523.4	7469.2	7369.3
55°	8710.6	8576.5	8513.3	8490.6	8513.3	8576.5	8710.6	8805.8	8784.5	8703.5	8493.3
52.5°	9930.1	9906.2	9945.6	9992.4	9945.6	9906.2	9930.1	10030.8	10087.7	9909.7	9398.0
50°	9937.7	9692.0	9524.3	9545.2	9524.3	9692.0	9937.7	10225.7	10366.0	10367.9	10150.7
47.5°	15900.1	15676.1	15189.3	14866.2	15189.3	15676.1	15900.1	16536.1	16567.1	16314.9	15791.4
45°	36994.5	35049.6	33805.1	33202.5	33805.1	35049.6	36994.5	38486.2	38713.7	38139.2	37589.5
42.5°	76458.4	77627.9	78499.5	78382.5	78499.5	77627.9	76458.4	75341.2	74768.2	75966.6	74088.3
40°	124741.4	126645.7	128028.6	128222.6	128028.6	126645.7	124741.4	123137.5	122206.9	120393.1	116602.2
37.5°	154811.2	155783.2	156289.1	156537.6	156289.1	155783.2	154811.2	152604.8	150887.0	149427.7	145069.1
35°	165426.4	165388.2	165799.5	165921.3	165799.5	165388.2	165426.4	164384.5	161954.2	160664.4	156561.4
32.5°	158170.6	158303.9	158848.3	159099.7	158848.3	158303.9	158170.6	158136.9	156514.6	154791.2	152460.8
30°	140617.1	139959.8	139964.6	140018.3	139964.6	139959.8	140617.1	140557.7	139636.4	138795.9	136854.0
27.5°	122891.5	122053.8	122130.9	122488.7	122130.9	122053.8	122891.5	122818.5	121963.0	121883.0	120764.1
25°	109365.3	108848.3	108766.2	109045.7	108766.2	108848.3	109365.3	109620.3	109230.6	108830.8	108081.7
22.5°	99406.4	98934.2	98899.0	98892.9	98899.0	98934.2	99406.4	99420.6	99031.1	98694.9	97974.6
20°	91990.1	91763.7	91880.6	92144.1	91880.6	91763.7	91990.1	91794.3	91421.0	90983.1	90336.7
17.5°	86793.9	86772.2	87023.5	87406.7	87023.5	86772.2	86793.9	86434.3	85935.4	85406.7	84683.3
15°	82896.0	82907.9	83195.5	83758.6	83195.5	82907.9	82896.0	82413.5	81850.3	81150.1	80388.3
12.5°	79804.7	79806.6	80123.4	80548.4	80123.4	79806.6	79804.7	79449.5	78632.9	77867.2	77122.1
10°	77573.7	77628.8	77990.6	78320.0	77990.6	77628.8	77573.7	77215.0	76331.5	75540.7	74935.9
7.5°	75753.1	75946.0	76257.8	76556.6	76257.8	75946.0	75753.1	75347.0	74717.2	74028.8	73354.3
5°	74290.8	74504.0	74769.0	75005.9	74769.0	74504.0	74290.8	73925.5	73484.6	72942.1	72284.5
2.5°	73190.1	73398.7	73594.9	73786.3	73594.9	73398.7	73190.1	72965.0	72557.5	71963.8	71134.6
0°	72361.9	72488.2	72716.0	72958.0	72716.0	72488.2	72361.9	72157.1	71626.9	70837.4	69822.6
-2.5°	71359.0	71619.9	71882.3	72171.0	71882.3	71619.9	71359.0	71080.3	70453.4	69598.4	68587.3
-5°	70339.9	70555.4	70793.5	71058.0	70793.5	70555.4	70339.9	69936.8	69240.5	68327.7	67319.8
-7.5°	69149.5	69361.8	69683.4	69808.6	69683.4	69361.8	69149.5	68740.4	68005.8	67058.8	65951.4
-10°	67522.1	67787.2	68132.4	68162.6	68132.4	67787.2	67522.1	67099.1	66359.4	65393.6	64233.6
-12.5°	65829.4	66297.9	66652.8	66720.3	66652.8	66297.9	65829.4	65415.7	64652.1	63648.3	62498.8
-15°	62634.2	63258.6	63616.3	63607.7	63616.3	63258.6	62634.2	62456.8	61475.0	60487.6	59368.9
-17.5°	54765.0	55447.8	55510.7	55514.9	55510.7	55447.8	54765.0	54332.4	53569.7	52792.2	51805.4
-20°	44745.3	44908.5	44964.1	44979.9	44964.1	44908.5	44745.3	44460.2	43940.9	43355.9	42574.6



REPORT NUMBER: P902054 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MB

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	36340.5	36430.9	36475.2	36474.5	36475.2	36430.9	36340.5	36297.5	36144.4	35832.9	35330.4
-25°	29388.1	29305.0	29288.0	29288.8	29288.0	29305.0	29388.1	29577.6	29627.1	29699.3	29596.4
-27.5°	23479.9	23234.0	23178.0	23140.7	23178.0	23234.0	23479.9	23730.9	23931.2	24182.5	24333.8
-30°	18906.7	18620.8	18413.3	18294.1	18413.3	18620.8	18906.7	19124.6	19360.8	19687.8	19957.1
-32.5°	15579.0	15351.6	15176.1	15117.7	15176.1	15351.6	15579.0	15831.4	16057.3	16316.8	16543.2
-35°	12524.8	12350.5	12247.0	12196.1	12247.0	12350.5	12524.8	12688.2	12860.7	13100.1	13362.1
-37.5°	9570.8	9460.7	9435.2	9342.8	9435.2	9460.7	9570.8	9741.6	9806.9	9900.8	10202.7
-40°	7586.7	7501.3	7394.7	7390.5	7394.7	7501.3	7586.7	7676.8	7701.8	7742.7	7957.9
-42.5°	7033.4	7062.8	7146.6	7172.0	7146.6	7062.8	7033.4	6936.7	6771.7	6790.9	6878.6
-45°	6438.7	6594.5	6721.1	6765.9	6721.1	6594.5	6438.7	6317.6	6200.7	6128.5	6003.5
-47.5°	5472.4	5651.3	5771.2	5834.1	5771.2	5651.3	5472.4	5397.6	5310.2	5213.4	5068.4
-50°	5221.2	5540.9	5710.7	5779.5	5710.7	5540.9	5221.2	4977.4	4768.1	4591.5	4465.7
-52.5°	4937.2	5076.7	5179.8	5218.6	5179.8	5076.7	4937.2	4757.4	4481.2	4181.9	4021.2
-55°	4592.6	4661.7	4696.3	4701.0	4696.3	4661.7	4592.6	4408.2	4233.7	3914.2	3636.5
-57.5°	4471.2	4457.2	4440.8	4425.6	4440.8	4457.2	4471.2	4367.5	4075.8	3776.0	3419.2
-60°	4147.1	4165.9	4191.0	4202.6	4191.0	4165.9	4147.1	4112.7	3927.4	3597.0	3254.0
-62.5°	3623.0	3676.6	3698.1	3674.0	3698.1	3676.6	3623.0	3586.7	3516.7	3281.1	2971.2
-65°	3160.0	3282.0	3298.9	3235.3	3298.9	3282.0	3160.0	3048.5	2970.6	2834.6	2618.3
-67.5°	2797.1	3021.0	3153.4	3207.2	3153.4	3021.0	2797.1	2583.6	2426.3	2316.1	2201.3
-70°	2354.4	2729.0	3198.9	3586.0	3198.9	2729.0	2354.4	2084.6	1938.3	1820.3	1714.4
-72.5°	1767.2	2521.6	2938.9	2512.6	2938.9	2521.6	1767.2	1560.9	1451.3	1360.3	1262.0
-75°	1158.7	1335.5	1416.5	1330.3	1416.5	1335.5	1158.7	1090.2	1020.6	962.9	892.3
-77.5°	772.4	818.1	848.1	854.1	848.1	818.1	772.4	723.6	671.1	645.4	607.1
-80°	510.5	559.3	595.6	582.5	595.6	559.3	510.5	477.5	439.9	431.3	421.0
-82.5°	326.7	346.5	361.9	363.9	361.9	346.5	326.7	306.3	297.5	284.6	278.2
-85°	211.7	228.3	238.3	238.8	238.3	228.3	211.7	199.8	197.9	191.6	184.0
-87.5°	121.9	131.5	139.9	139.9	139.9	131.5	121.9	117.4	116.8	109.9	102.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902054 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MB

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°	42.8	42.1	42.1	43.9	42.2	40.2	37.8	35.5	34.3	32.2	33.5
85°	135.4	129.1	123.2	121.7	123.1	115.8	111.8	106.2	101.2	101.9	102.5
82.5°	302.3	272.7	265.7	262.4	257.3	249.7	241.8	231.5	220.4	218.2	207.4
80°	517.9	466.9	474.1	491.1	479.3	461.3	444.0	423.1	400.3	383.5	348.8
77.5°	705.5	696.5	710.3	740.6	770.5	782.8	770.5	721.5	660.9	603.5	529.1
75°	982.7	982.4	996.4	1021.8	1117.9	1256.6	1286.8	1161.4	1001.7	886.6	752.0
72.5°	1405.2	1393.2	1424.0	1507.4	1721.7	1947.0	1869.3	1586.8	1377.4	1197.4	1015.7
70°	2012.7	1995.0	2059.2	2274.9	2605.0	2710.3	2377.7	1987.3	1723.3	1480.4	1292.2
67.5°	2940.7	2903.1	3027.0	3364.6	3588.7	3326.3	2776.3	2352.0	1986.9	1716.0	1545.5
65°	4054.1	4064.9	4229.1	4465.0	4221.8	3653.3	3074.7	2598.8	2196.3	1949.7	1793.0
62.5°	5210.9	5224.3	5223.5	4972.2	4525.0	3898.7	3235.4	2748.4	2487.7	2268.5	2104.8
60°	6328.2	6174.9	5887.4	5400.6	4850.5	4185.1	3503.3	3163.3	2960.8	2760.8	2542.4
57.5°	7189.9	6871.3	6407.4	5841.9	5269.3	4716.2	4177.3	3908.2	3651.3	3402.1	3138.5
55°	8121.3	7607.6	6978.0	6444.9	6032.4	5638.1	5239.8	4927.6	4605.0	4399.5	4106.3
52.5°	8965.4	8500.9	7915.9	7494.1	7149.0	6940.8	6579.8	6542.1	6233.3	6151.5	6129.3
50°	10146.6	9955.0	9584.5	9709.6	9461.1	9882.9	9632.9	9860.6	9528.6	9337.3	9677.1
47.5°	16680.6	16584.9	16049.2	17218.8	17087.3	18129.2	17920.2	17517.3	16966.0	15934.3	16049.5
45°	37718.6	37039.9	35555.8	35979.3	34993.6	34967.6	33980.1	31830.8	29724.2	26909.2	24522.2
42.5°	71659.3	70476.9	67280.0	65392.1	63094.2	60240.8	56614.4	51719.3	46044.7	39933.4	34808.3
40°	114964.0	108641.5	103778.3	97707.4	92781.7	87263.6	80285.3	72423.4	63327.2	53606.1	45254.9
37.5°	142165.4	136425.0	130173.8	122174.7	114660.1	107150.1	98360.9	88316.6	77372.7	65838.0	54582.8
35°	153428.0	148550.3	143218.7	134574.2	126661.5	118492.6	109540.5	99048.0	87540.1	75260.9	63057.6
32.5°	149241.2	146192.3	141932.2	134772.8	127683.1	120362.8	112337.8	103364.9	92471.0	80368.4	67601.8
30°	135133.0	133137.2	130504.1	125617.3	119803.2	113527.0	106644.2	99224.6	90468.2	80232.9	68706.8
27.5°	119223.3	118174.5	116664.0	113035.3	108652.0	103739.5	98214.4	92345.5	85357.8	76855.0	66854.6
25°	106943.1	106085.2	105185.6	102578.6	98795.1	94855.7	90316.0	85485.3	79850.8	72810.4	64396.6
22.5°	97048.0	96117.3	95468.7	93480.5	90145.7	86782.2	83116.4	78995.3	74182.5	68233.7	61069.5
20°	89287.6	88338.3	87683.1	85977.7	82944.6	79930.3	76802.5	73229.3	69006.7	63906.3	57675.3
17.5°	83632.0	82696.8	81808.6	80357.4	77482.1	74545.7	71692.0	68434.9	64612.5	60018.5	54462.9
15°	79481.4	78486.3	77482.6	76064.1	73495.1	70523.7	67697.4	64722.7	61190.5	56958.5	51741.1
12.5°	76377.9	75438.4	74349.5	72938.0	70350.0	67478.0	64726.6	61906.8	58565.9	54570.3	49561.0
10°	74219.0	73401.8	72034.0	70597.1	68052.8	65127.2	62548.8	59762.8	56475.0	52539.4	47761.6
7.5°	72601.6	71600.9	70220.2	68612.9	66144.5	63255.3	60705.6	57950.6	54672.4	50845.9	46314.9
5°	71328.3	70070.9	68637.9	66887.4	64347.7	61481.1	58913.6	56219.4	52932.2	49211.0	44890.8
2.5°	69999.3	68583.8	66997.6	65310.4	62722.3	59813.3	57219.0	54508.1	51277.8	47704.0	43562.5
0°	68607.5	67046.6	65367.3	63606.2	61071.4	58104.3	55574.1	52921.0	49767.3	46285.9	42248.3
-2.5°	67315.0	65740.9	64079.1	62191.7	59470.3	56534.5	53936.2	51231.5	48118.2	44748.8	40948.3
-5°	65982.9	64427.5	62854.0	61020.1	58069.1	55078.0	52370.8	49589.6	46542.6	43295.4	39645.8
-7.5°	64615.0	63058.1	61542.1	59446.2	56501.6	53475.1	50697.1	47832.9	44872.4	41747.6	38245.7
-10°	62929.5	61260.7	59636.6	57524.9	54545.9	51671.1	48927.7	46166.8	43236.5	40138.9	36705.9
-12.5°	61057.4	59420.9	57919.6	55800.8	52735.9	49998.3	47402.9	44693.9	41959.1	38808.7	35514.9
-15°	58009.5	56511.7	54965.7	52706.8	49997.1	47559.3	45266.9	42486.5	39831.9	36592.9	33371.0
-17.5°	50730.6	49344.3	48233.6	46119.9	43875.3	41805.5	39705.0	37422.5	35011.7	32293.4	29365.7
-20°	41682.5	40884.1	39903.7	38291.8	36537.5	35054.0	33435.9	31678.1	29638.2	27331.4	25058.3



REPORT NUMBER: P902054 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MB

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	34844.8	34314.2	33567.8	32359.7	31084.0	29916.2	28654.1	27230.2	25499.9	23544.7	21599.4
-25°	29244.7	29024.5	28541.1	27620.0	26736.2	25874.0	24825.1	23523.0	22108.1	20442.6	18833.2
-27.5°	24401.0	24430.7	24090.2	23511.6	22962.2	22361.1	21555.7	20557.5	19354.7	17967.2	16506.2
-30°	20261.5	20519.8	20391.5	20118.8	19871.5	19500.9	18920.0	18120.1	17054.2	15837.8	14514.8
-32.5°	16950.9	17249.9	17299.3	17334.3	17257.2	17001.8	16589.1	15910.7	15009.1	13877.8	12418.2
-35°	13718.7	13982.2	14209.1	14328.8	14387.7	14246.5	13949.5	13374.4	12549.9	11391.7	9948.2
-37.5°	10446.5	10693.3	10799.0	11014.9	11157.0	11055.9	10876.0	10421.9	9689.8	8575.1	7347.0
-40°	7940.4	8185.0	8269.7	8420.6	8441.6	8380.0	8188.2	7757.3	7070.7	6383.3	5733.5
-42.5°	6814.5	6873.6	6792.5	6838.2	6736.0	6660.5	6460.2	6050.1	5627.7	5209.7	4762.5
-45°	5993.4	5907.6	5915.8	5804.1	5747.5	5584.7	5386.7	5166.9	4853.6	4491.8	4155.9
-47.5°	4941.6	4776.4	4683.7	4626.9	4494.3	4398.4	4302.1	4168.3	4063.6	3869.0	3565.7
-50°	4299.7	4103.4	3951.8	3823.1	3641.0	3514.3	3356.5	3301.5	3212.3	3100.9	2937.5
-52.5°	3872.4	3684.8	3500.6	3362.2	3202.6	3063.0	2917.6	2818.7	2697.7	2580.6	2421.1
-55°	3491.4	3341.2	3188.3	3041.4	2897.2	2760.6	2613.9	2507.4	2383.2	2245.3	2078.3
-57.5°	3170.5	3050.6	2937.4	2796.0	2659.4	2526.1	2384.7	2257.8	2132.7	1995.8	1850.3
-60°	2896.7	2737.3	2649.3	2537.6	2416.8	2294.4	2161.9	2021.9	1896.4	1770.5	1647.2
-62.5°	2615.9	2393.4	2315.9	2234.2	2144.3	2033.3	1912.6	1778.8	1653.5	1535.2	1433.5
-65°	2328.4	2082.9	1978.5	1914.4	1851.6	1767.7	1660.9	1542.4	1419.6	1317.4	1216.4
-67.5°	2011.3	1785.6	1666.0	1610.2	1545.4	1474.0	1376.2	1284.5	1180.5	1088.8	1003.3
-70°	1581.2	1427.1	1340.7	1285.9	1229.6	1163.6	1089.3	1017.4	940.6	870.8	804.9
-72.5°	1161.5	1088.9	1040.0	997.7	945.4	887.1	831.4	777.0	723.6	674.1	629.1
-75°	833.8	803.3	772.6	741.4	703.6	660.6	615.4	572.3	538.2	505.9	481.4
-77.5°	582.7	565.4	546.2	520.1	493.1	465.7	437.0	411.5	387.0	364.1	347.2
-80°	399.3	389.3	373.3	350.5	335.2	321.9	306.9	287.0	262.5	249.3	239.0
-82.5°	272.4	264.4	251.4	237.6	230.2	215.9	201.9	185.8	173.9	166.7	159.9
-85°	181.2	168.1	161.6	153.9	149.7	135.3	123.9	114.1	111.0	107.5	103.4
-87.5°	101.2	83.8	82.2	80.6	78.8	72.3	67.6	66.2	64.1	61.7	59.2
-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: P902054 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MB

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°	32.0	30.4	28.8	27.2	25.4	23.7	21.4	20.3	19.9	23.0	20.3
85°	96.3	89.3	82.1	74.6	66.5	58.2	50.8	43.6	40.1	46.0	40.5
82.5°	191.4	175.5	158.9	141.8	122.9	109.5	102.3	91.9	82.1	77.4	64.8
80°	316.6	288.6	258.4	234.3	212.3	189.7	169.9	145.9	125.9	113.0	97.2
77.5°	472.7	428.9	390.3	354.0	320.1	283.3	252.3	222.5	189.1	155.3	129.4
75°	664.7	616.1	550.9	497.5	446.0	404.7	356.7	305.5	256.5	212.8	171.1
72.5°	897.6	814.1	728.2	668.2	605.3	535.7	467.4	406.4	338.5	269.0	217.7
70°	1152.5	1025.8	908.2	829.3	755.6	674.1	593.6	509.9	427.6	342.1	263.5
67.5°	1400.1	1246.8	1105.2	1003.7	897.2	818.4	722.9	621.0	520.6	414.7	322.1
65°	1646.3	1495.7	1345.8	1196.9	1086.8	977.6	876.2	740.1	617.2	491.9	381.3
62.5°	1936.2	1812.6	1644.2	1480.6	1316.6	1182.6	1038.2	882.1	717.4	580.4	438.6
60°	2365.4	2234.7	2023.6	1822.2	1587.5	1389.3	1212.8	1021.9	837.2	669.6	512.6
57.5°	2964.2	2793.9	2516.9	2217.6	1861.9	1589.6	1381.0	1171.0	952.8	763.7	584.0
55°	4067.5	3595.4	3130.6	2635.9	2097.7	1769.4	1539.4	1315.8	1075.4	854.7	652.2
52.5°	6187.8	5611.3	3862.5	2976.0	2308.7	1928.7	1687.0	1450.0	1191.4	940.3	725.5
50°	9964.5	9048.3	6121.7	3310.6	2498.6	2092.0	1821.5	1575.0	1298.7	1035.3	796.9
47.5°	16054.6	13906.4	8860.3	4361.5	2713.9	2241.3	1949.9	1686.0	1403.4	1127.7	865.3
45°	23823.3	20476.7	12332.5	5279.6	3024.9	2391.5	2069.5	1793.6	1503.6	1214.9	935.3
42.5°	32039.8	27236.4	16449.5	7135.7	3362.9	2527.6	2180.8	1898.5	1597.1	1296.5	1005.6
40°	40125.4	33615.4	20170.6	8454.8	3709.9	2637.2	2302.8	1990.5	1682.5	1373.6	1070.5
37.5°	47371.8	40121.8	25486.8	11038.6	4431.9	2709.8	2421.3	2077.1	1767.0	1445.9	1129.7
35°	53292.6	46499.2	30961.0	12775.6	4815.7	2883.7	2520.6	2164.3	1850.3	1519.2	1187.9
32.5°	56978.2	49786.2	36166.8	17263.6	6422.6	3263.6	2604.4	2270.1	1930.6	1592.4	1243.6
30°	57988.7	51213.9	40815.5	20814.1	7370.7	3594.2	2703.1	2370.6	2010.7	1663.5	1293.0
27.5°	57083.0	50512.8	42193.7	24748.3	9939.3	4236.9	2875.5	2470.3	2086.8	1724.2	1336.8
25°	55426.3	48649.1	43265.7	29007.0	12791.9	5272.8	3168.5	2573.8	2167.1	1773.0	1375.0
22.5°	53240.5	46833.5	43724.8	32606.5	15649.1	6204.5	3464.0	2673.4	2235.8	1817.6	1414.4
20°	50749.6	44958.7	41823.5	34307.4	18907.9	7252.2	3757.8	2737.7	2294.6	1863.0	1452.4
17.5°	48276.5	42751.4	39723.4	35405.5	22367.8	9598.3	4238.9	2789.3	2345.6	1907.5	1485.1
15°	46104.0	40764.3	37535.1	35848.0	25212.3	11882.4	5041.2	2912.0	2391.0	1946.5	1516.7
12.5°	44312.5	39161.4	35859.2	35342.1	27480.2	13977.6	6000.5	3187.2	2427.7	1992.2	1549.0
10°	42867.0	37890.1	34396.6	33604.4	29035.7	15960.4	6974.2	3525.0	2512.3	2042.8	1576.5
7.5°	41661.7	36845.0	33309.6	32090.8	29187.4	17718.8	8159.5	3972.8	2611.6	2088.3	1598.1
5°	40498.7	35927.6	32363.4	30821.0	28712.8	19230.2	9324.2	4417.7	2721.9	2137.2	1610.5
2.5°	39329.3	35028.8	31480.4	29602.4	27873.9	20282.4	10426.7	4844.2	2839.7	2183.0	1617.0
0°	38205.5	34099.0	30578.4	28358.2	26802.7	20983.6	11398.7	5215.9	2942.4	2220.8	1617.4
-2.5°	37120.5	33164.9	29592.5	27047.0	25467.4	20859.0	11777.9	5298.8	2988.1	2228.7	1605.0
-5°	35991.2	32115.7	28475.2	25732.2	24180.7	20435.4	11925.8	5284.0	3016.9	2225.1	1586.2
-7.5°	34697.8	30862.1	27233.9	24414.4	22974.2	19571.5	11468.2	5049.1	3018.7	2206.6	1561.0
-10°	33302.0	29541.0	25918.9	23253.5	22071.3	18504.0	10782.4	4698.4	3004.1	2169.5	1537.3
-12.5°	31996.3	28251.1	24896.8	22241.8	21044.1	17212.9	9697.9	4227.7	2978.9	2120.8	1509.0
-15°	29959.0	26460.6	23158.7	21248.5	19688.8	15194.4	8419.2	3682.2	2896.6	2057.4	1474.6
-17.5°	26495.0	23295.4	20921.9	19230.9	17523.3	12803.4	6745.7	3408.4	2793.3	1980.1	1433.9
-20°	22563.3	20268.2	18345.2	17127.9	14775.3	10139.8	5529.0	3252.1	2645.4	1893.6	1387.2



REPORT NUMBER: P902054 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MB

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	19572.0	17702.0	16321.4	15037.1	12086.8	7906.8	4650.0	3098.0	2471.5	1794.5	1334.9
-25°	17134.9	15658.2	14298.7	12374.3	9365.9	6223.0	3899.6	2936.4	2292.0	1686.0	1283.4
-27.5°	15052.4	13644.6	11896.1	9646.4	7033.1	4822.3	3313.6	2752.5	2125.3	1603.6	1231.2
-30°	13038.0	11404.1	9375.6	7210.0	5252.9	3968.0	3020.9	2536.8	1986.9	1524.0	1175.0
-32.5°	10724.6	8916.7	7105.4	5545.6	4333.8	3447.0	2803.1	2336.6	1849.1	1441.7	1115.0
-35°	8307.8	6727.5	5407.2	4362.6	3605.7	3035.5	2572.6	2148.6	1715.2	1354.8	1051.3
-37.5°	6289.2	5306.0	4441.3	3767.5	3207.3	2743.1	2353.3	1977.5	1597.1	1270.2	987.3
-40°	5039.2	4372.4	3773.6	3275.9	2855.2	2483.7	2151.1	1822.9	1487.3	1186.2	924.2
-42.5°	4280.9	3797.1	3343.8	2936.0	2579.0	2258.7	1961.9	1676.5	1368.6	1096.7	857.6
-45°	3768.6	3357.4	2973.2	2625.7	2326.8	2058.5	1800.1	1529.9	1249.5	1002.0	787.3
-47.5°	3256.8	2930.0	2620.3	2348.0	2086.6	1850.5	1623.8	1375.0	1132.8	914.3	714.0
-50°	2714.4	2499.7	2261.5	2043.2	1832.8	1632.5	1434.1	1218.3	1009.4	820.5	642.1
-52.5°	2253.8	2109.9	1919.1	1748.9	1587.0	1413.4	1243.5	1072.1	894.1	723.9	568.9
-55°	1950.6	1810.6	1660.7	1512.1	1359.4	1226.3	1079.5	924.6	786.6	640.2	496.7
-57.5°	1725.7	1594.4	1466.8	1329.0	1199.7	1065.6	933.3	810.7	683.8	557.3	441.9
-60°	1533.7	1417.9	1299.2	1173.5	1051.1	930.0	812.6	700.3	596.6	479.0	386.3
-62.5°	1336.9	1232.8	1124.8	1017.6	913.4	809.2	706.1	605.9	509.4	416.9	330.3
-65°	1133.3	1038.2	954.3	860.9	778.1	694.7	606.6	517.8	434.5	353.4	285.9
-67.5°	936.0	856.6	789.7	712.6	640.6	580.3	507.8	434.5	361.6	296.4	240.5
-70°	750.2	692.8	636.1	575.8	512.8	464.3	414.3	352.5	295.4	243.5	196.1
-72.5°	586.1	548.2	503.7	450.2	401.9	359.5	319.8	281.0	235.5	192.0	163.2
-75°	458.3	422.6	387.4	349.2	304.9	271.1	248.0	214.0	181.6	155.1	130.2
-77.5°	327.9	299.9	284.8	258.9	230.3	200.9	181.9	162.2	140.1	117.9	101.7
-80°	226.8	210.0	195.1	180.1	164.6	148.4	133.4	116.0	101.8	91.4	81.4
-82.5°	152.1	143.2	133.0	120.6	109.3	102.7	93.5	85.0	77.2	69.3	61.3
-85°	99.1	95.1	87.9	78.0	73.1	68.5	63.0	57.7	52.4	46.8	41.0
-87.5°	56.6	53.8	48.2	39.3	36.8	34.2	31.6	28.9	26.2	23.4	20.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902054 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MB

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°	17.4	14.7	11.2	8.6	5.7	2.9	0.0
85°	34.8	29.4	22.5	17.1	11.4	5.8	0.0
82.5°	52.2	44.0	33.7	25.7	17.1	8.7	0.0
80°	79.1	60.6	44.8	34.2	22.8	11.6	0.0
77.5°	106.8	82.2	57.6	42.6	28.5	14.5	0.0
75°	134.0	103.3	73.3	50.9	34.0	17.3	0.0
72.5°	169.6	123.9	88.6	61.2	39.6	20.1	0.0
70°	207.7	149.1	103.6	71.9	45.0	22.9	0.0
67.5°	244.8	179.4	118.2	82.4	50.4	25.6	0.0
65°	287.0	209.1	137.4	92.7	56.6	28.3	0.0
62.5°	334.7	238.3	160.5	102.9	63.2	31.0	0.0
60°	381.0	271.8	182.8	112.8	69.6	33.5	0.0
57.5°	425.8	310.7	204.2	123.0	75.8	36.0	0.0
55°	483.2	348.8	224.7	138.7	81.7	38.5	0.0
52.5°	538.3	386.0	246.0	153.9	87.4	40.8	0.0
50°	589.7	420.2	273.0	168.5	92.7	43.1	0.0
47.5°	639.0	457.8	299.1	182.5	97.8	45.3	0.0
45°	695.6	493.7	324.7	195.9	102.6	47.5	0.0
42.5°	749.8	527.9	348.9	208.7	107.1	49.5	0.0
40°	800.6	560.4	371.8	219.9	111.2	51.5	0.0
37.5°	846.2	591.0	393.2	229.8	115.0	53.3	0.0
35°	889.3	625.0	416.1	242.0	120.5	55.2	0.0
32.5°	929.8	659.2	438.7	254.5	126.3	57.0	0.0
30°	966.5	690.6	459.8	265.8	131.5	58.6	0.0
27.5°	1002.2	719.0	477.1	275.9	136.7	60.2	0.0
25°	1034.6	744.4	492.5	284.9	141.3	61.6	0.0
22.5°	1062.8	766.8	506.2	292.7	145.5	62.8	0.0
20°	1088.4	786.1	518.2	299.3	149.3	64.0	0.0
17.5°	1115.0	802.9	528.4	306.2	152.5	65.0	0.0
15°	1139.0	817.9	536.8	312.6	155.2	65.8	0.0
12.5°	1159.1	831.0	545.4	317.9	157.5	66.6	0.0
10°	1175.3	840.9	553.0	322.1	159.3	67.2	0.0
7.5°	1185.9	847.5	558.6	325.2	160.6	67.6	0.0
5°	1191.6	851.1	562.4	327.2	161.3	67.9	0.0
2.5°	1192.9	851.5	564.3	328.1	161.6	68.1	0.0
0°	1189.8	848.9	564.3	327.9	161.5	68.1	0.0
-2.5°	1180.5	845.2	561.8	327.2	161.2	68.1	0.0
-5°	1167.0	838.7	557.3	325.5	160.5	67.9	0.0
-7.5°	1149.4	829.3	551.1	322.6	159.3	67.5	0.0
-10°	1129.4	817.3	543.2	318.7	157.6	67.1	0.0
-12.5°	1110.0	802.2	533.5	313.7	155.4	66.4	0.0
-15°	1086.3	783.6	521.4	307.6	152.7	65.7	0.0
-17.5°	1058.2	762.4	505.8	300.5	149.6	64.9	0.0
-20°	1025.9	738.6	489.0	292.1	146.1	63.9	0.0



REPORT NUMBER: P902054 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-MB

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	993.1	711.6	471.0	282.3	142.0	62.7	0.0
-25°	958.3	683.2	451.9	271.6	137.5	61.5	0.0
-27.5°	919.6	653.2	431.8	260.1	132.6	60.1	0.0
-30°	877.6	621.3	411.0	247.9	127.3	58.7	0.0
-32.5°	833.3	587.6	390.5	234.8	121.5	57.1	0.0
-35°	785.6	552.2	368.4	221.1	115.4	55.3	0.0
-37.5°	737.2	517.8	346.0	207.9	109.7	53.5	0.0
-40°	690.2	486.9	325.7	197.6	105.9	51.7	0.0
-42.5°	639.9	454.3	304.5	186.7	101.8	49.8	0.0
-45°	585.5	420.3	282.6	175.4	97.6	47.7	0.0
-47.5°	527.5	384.7	259.9	163.6	93.1	45.6	0.0
-50°	478.7	347.8	236.8	151.5	88.5	43.4	0.0
-52.5°	430.7	318.1	213.1	138.9	83.7	41.1	0.0
-55°	381.6	286.2	194.7	126.1	78.7	38.7	0.0
-57.5°	333.1	254.0	177.2	112.8	73.5	36.3	0.0
-60°	297.0	221.5	159.3	104.4	68.2	33.7	0.0
-62.5°	260.2	194.3	141.0	96.1	62.8	31.2	0.0
-65°	222.7	171.3	122.2	87.7	57.2	28.5	0.0
-67.5°	190.3	148.0	106.7	79.0	51.6	25.8	0.0
-70°	162.8	124.6	94.9	70.2	46.1	23.1	0.0
-72.5°	134.8	105.4	82.9	61.2	40.5	20.3	0.0
-75°	109.0	90.0	70.8	52.3	34.9	17.5	0.0
-77.5°	90.2	74.4	58.5	43.7	29.2	14.6	0.0
-80°	71.2	58.6	46.7	35.1	23.4	11.7	0.0
-82.5°	52.3	43.7	35.1	26.4	17.6	8.8	0.0
-85°	34.9	29.2	23.4	17.6	11.8	5.9	0.0
-87.5°	17.5	14.6	11.7	8.8	5.9	2.9	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)