

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: P902080 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/13/2024

Test Information

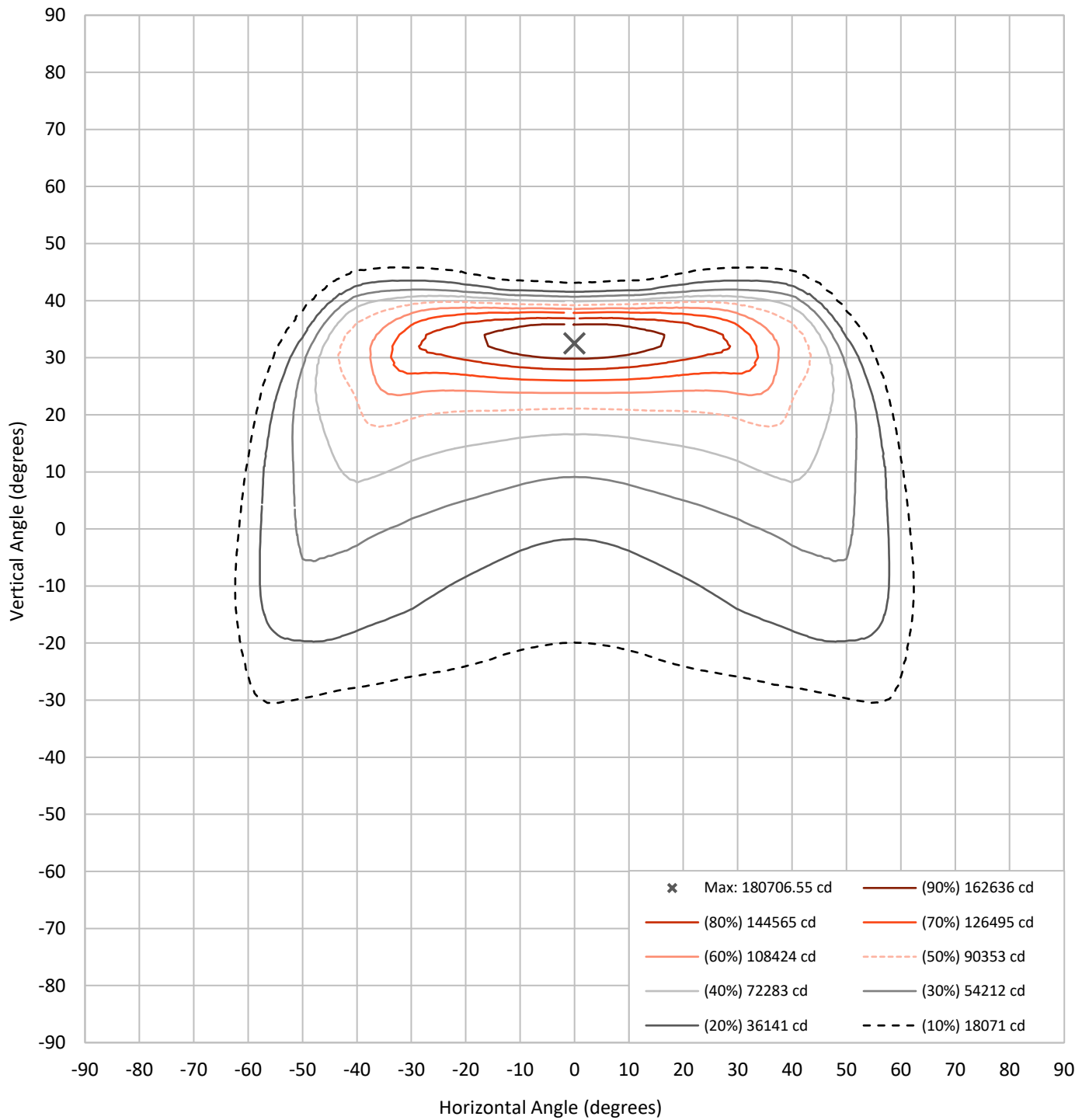
Test Method: LM-79-08
Report Number: P902080 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVM2K48700)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A35-WNB-LT
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A35-WNB-LT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	6H x 4V
Luminaire Lumens:	146018.3 lumens	Max Intensity:	180706.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 32.5°V
Efficacy:	103.3 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	86.2°H x 18.1°V	Field Angle (10%):	108.4°H x 62.3°V
Beam Lumens:	57239 lumens	Field Lumens:	132559.4 lumens
Beam Efficiency:	39.2%	Field Efficiency:	90.8%
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		

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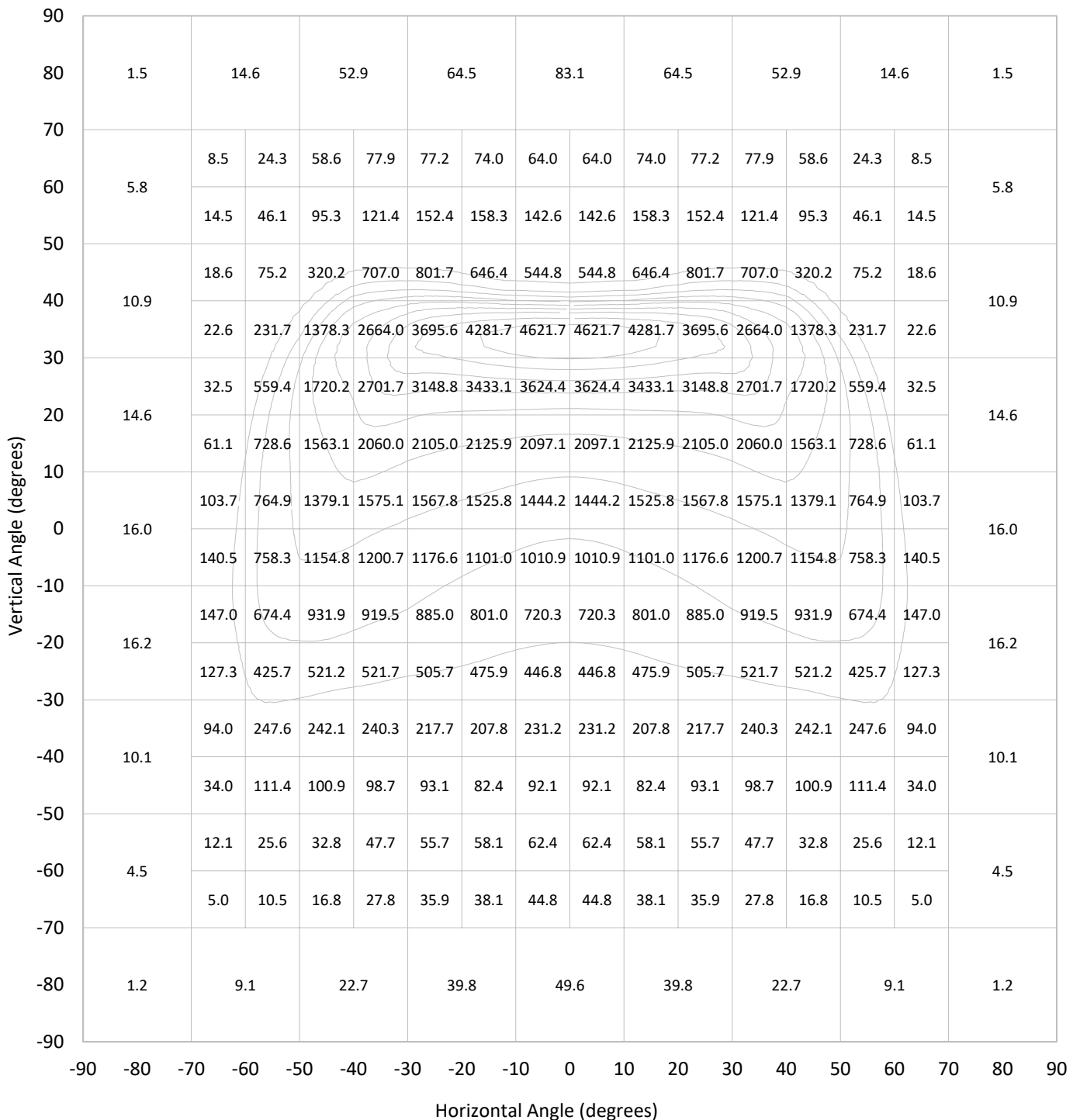
Iso-Candela Plot





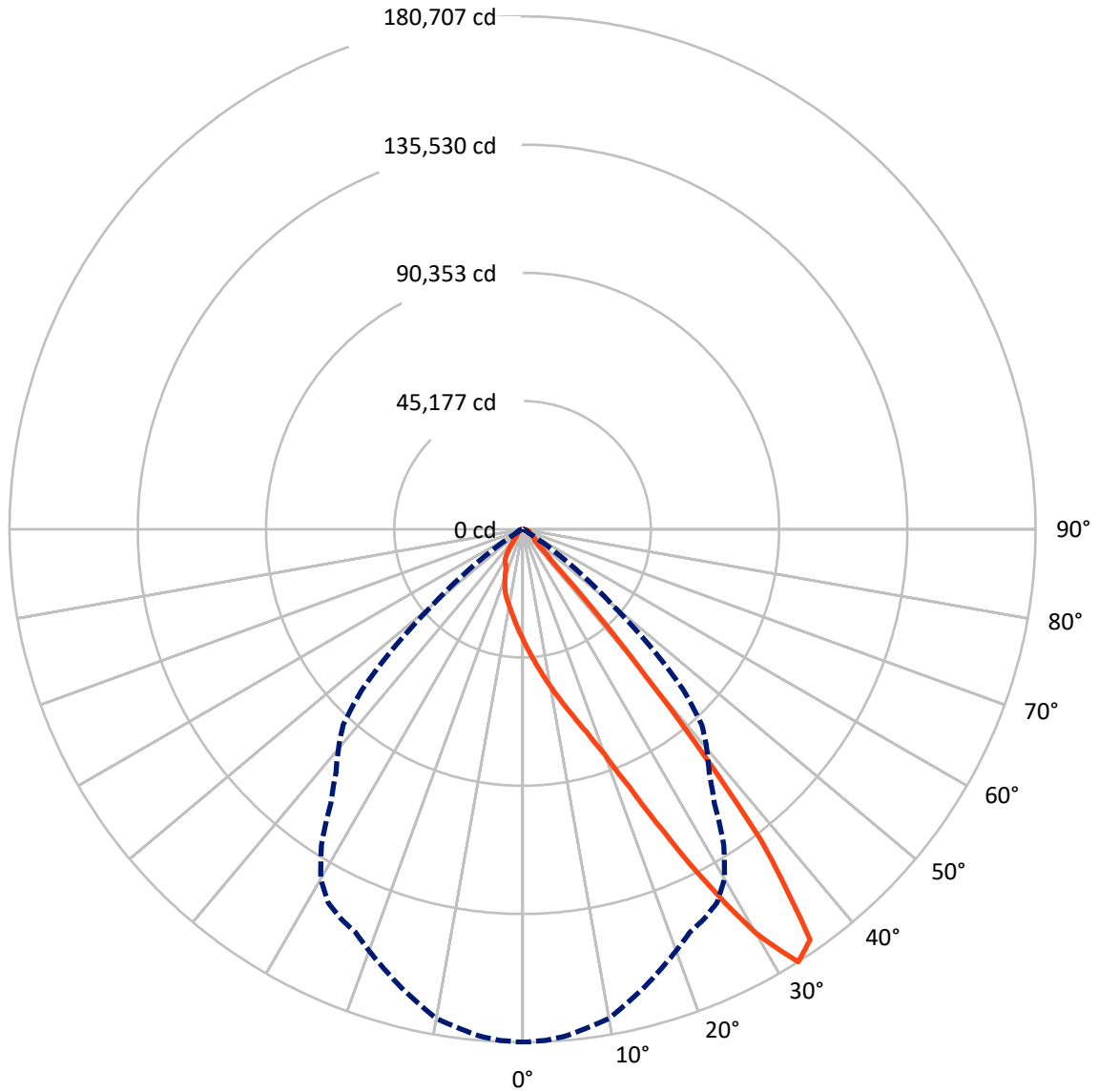
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Lumen Table



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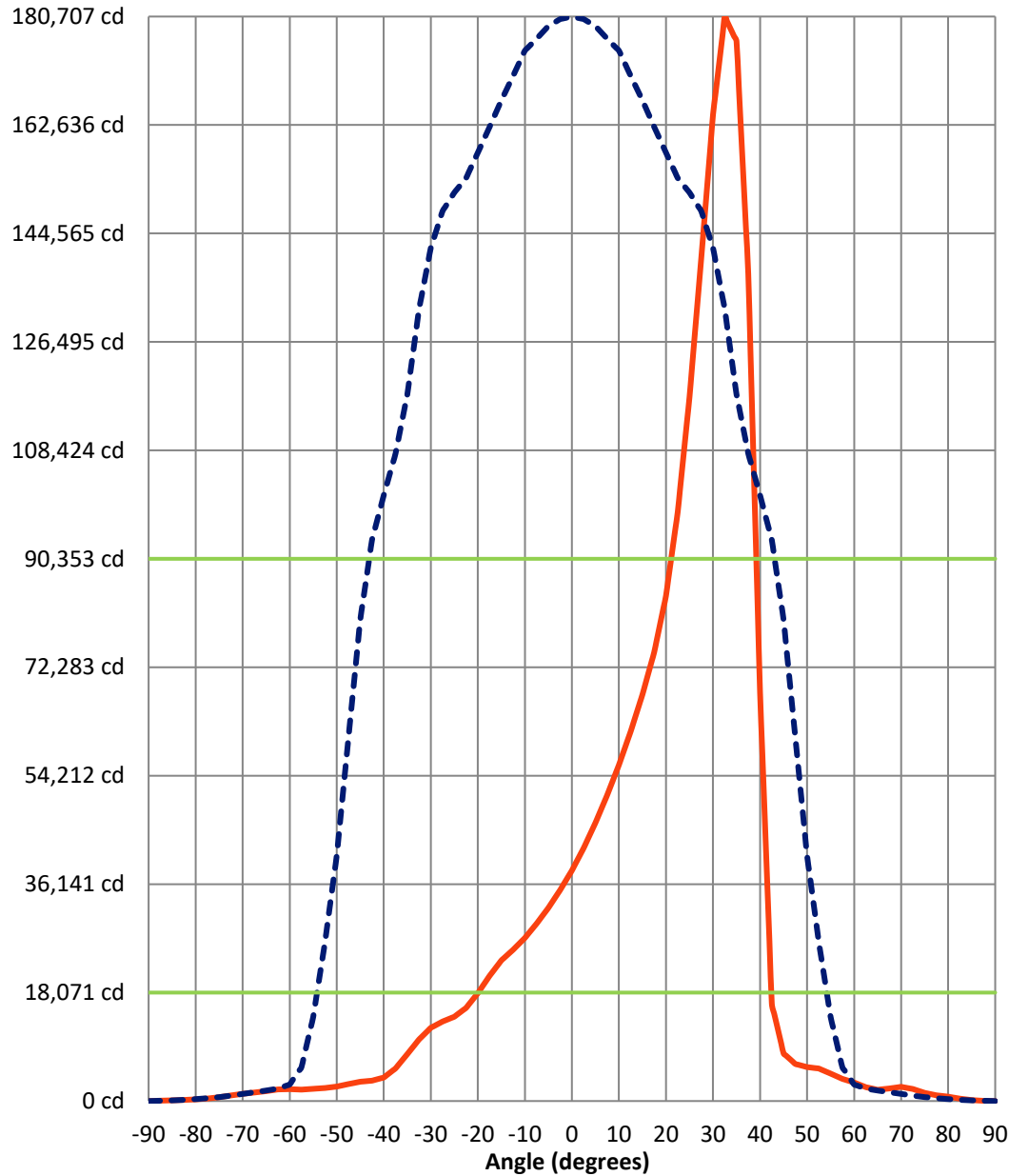
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 32.5-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 86.2°
 V Angle: 18.1°
 Lumens: 57239
 Efficiency: 39.2%

Field:
 H Angle: 108.4°
 V Angle: 62.3°
 Lumens: 132559.4
 Efficiency: 90.8%

Spill:
 Lumens: 13458.9
 Efficiency: 9.2%

— Vertical Distribution through 0-Deg
 - - - Horizontal Distribution through 32.5-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	2.6	5.2	7.8	10.7	13.9	17.4	19.0	20.9	23.4	26.5
85°	0.0	5.3	10.5	15.6	21.3	27.8	34.8	38.0	41.8	46.7	54.4
82.5°	0.0	7.9	15.7	23.3	31.9	41.5	52.1	60.2	70.0	80.6	94.8
80°	0.0	10.5	20.9	31.1	42.4	56.5	75.7	88.9	102.0	115.5	138.8
77.5°	0.0	13.1	26.1	38.7	53.7	74.7	99.7	117.4	138.1	166.0	198.7
75°	0.0	15.7	31.2	46.3	66.5	92.4	123.1	152.4	184.0	219.5	263.9
72.5°	0.0	18.2	36.2	55.1	79.1	109.6	151.5	190.6	229.2	284.5	344.2
70°	0.0	20.7	41.2	64.0	91.4	129.5	181.0	228.0	285.9	353.8	429.1
67.5°	0.0	23.2	46.1	72.7	103.5	152.3	209.7	272.5	342.6	427.3	523.7
65°	0.0	25.6	51.3	81.3	118.1	174.2	240.9	316.4	402.5	505.9	624.5
62.5°	0.0	28.0	56.6	89.6	134.9	195.2	275.0	358.1	467.4	587.9	743.2
60°	0.0	30.4	61.8	97.6	151.2	218.1	308.2	404.3	529.4	687.3	859.6
57.5°	0.0	32.6	66.9	105.6	167.1	243.6	340.2	447.4	594.8	776.8	975.1
55°	0.0	34.8	71.9	116.8	182.4	268.0	374.5	489.0	659.7	857.1	1075.4
52.5°	0.0	37.0	76.6	127.6	198.0	291.2	406.9	542.2	721.7	933.4	1160.9
50°	0.0	39.1	81.3	137.9	217.0	315.0	437.8	592.6	789.0	1006.4	1238.7
47.5°	0.0	41.1	85.7	147.7	235.0	341.2	468.3	638.3	852.7	1079.8	1317.8
45°	0.0	43.0	89.9	157.0	252.0	365.9	501.3	686.2	914.7	1150.1	1391.5
42.5°	0.0	44.9	94.0	165.8	268.1	389.1	530.1	735.4	976.0	1217.1	1459.5
40°	0.0	46.6	97.9	174.0	283.1	410.7	557.5	780.2	1034.1	1281.5	1532.1
37.5°	0.0	48.3	101.5	181.5	297.2	430.7	586.3	820.8	1088.9	1344.4	1602.6
35°	0.0	50.0	106.0	190.3	311.5	451.8	620.5	860.5	1139.5	1404.8	1676.0
32.5°	0.0	51.6	110.4	199.1	325.4	472.5	655.2	902.7	1190.3	1464.1	1751.9
30°	0.0	53.0	114.5	206.9	338.2	491.2	685.4	941.7	1240.8	1523.5	1817.5
27.5°	0.0	54.3	118.0	213.8	349.3	507.9	711.2	975.4	1285.3	1577.2	1871.0
25°	0.0	55.6	121.1	219.9	359.6	522.7	733.4	1003.6	1321.1	1621.1	1906.6
22.5°	0.0	56.7	123.8	225.0	369.1	535.8	752.3	1029.8	1348.9	1651.3	1917.9
20°	0.0	57.6	126.2	229.3	377.6	547.9	769.1	1053.4	1371.7	1680.2	1937.8
17.5°	0.0	58.5	128.3	233.2	385.1	558.1	786.4	1071.6	1390.4	1709.3	1952.7
15°	0.0	59.2	130.0	236.6	391.7	567.8	801.1	1088.4	1405.2	1739.2	2109.5
12.5°	0.0	59.9	131.3	239.3	396.7	576.6	812.5	1105.9	1426.6	1766.6	2530.1
10°	0.0	60.4	132.2	241.3	400.2	583.8	820.6	1119.5	1452.8	1830.1	3000.4
7.5°	0.0	60.7	132.9	242.5	402.3	589.6	828.0	1129.3	1475.4	1916.2	3572.6
5°	0.0	61.0	133.1	243.0	403.0	593.1	833.0	1135.2	1495.0	2034.0	4150.2
2.5°	0.0	61.1	133.0	242.8	402.4	594.5	834.7	1136.5	1510.2	2184.5	4828.3
0°	0.0	61.2	132.6	241.9	400.5	593.8	833.2	1133.4	1519.9	2321.0	5434.7
-2.5°	0.0	61.1	132.4	241.2	396.7	592.2	832.9	1145.8	1576.6	2587.7	6136.9
-5°	0.0	60.9	131.9	239.7	391.6	588.4	829.2	1153.1	1624.5	2811.4	6685.9
-7.5°	0.0	60.6	131.1	237.6	385.4	582.6	822.1	1154.4	1692.2	3120.3	7304.0
-10°	0.0	60.2	129.9	234.8	378.2	574.6	811.9	1168.3	1833.9	3444.7	7765.6
-12.5°	0.0	59.7	128.4	231.3	370.1	564.6	799.3	1175.5	1941.1	3714.1	7977.1
-15°	0.0	59.1	126.5	227.2	361.7	552.5	781.5	1169.5	2080.4	4146.3	7987.6
-17.5°	0.0	58.4	124.4	222.5	354.0	538.9	758.2	1163.7	2235.1	4492.0	8180.5
-20°	0.0	57.5	121.9	217.1	345.1	523.9	729.0	1144.9	2283.4	4827.8	8434.9



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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-LT

CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	56.6	119.1	210.9	334.9	507.1	702.3	1095.5	2225.6	5116.1	8655.8
-25°	0.0	55.5	116.0	204.1	323.4	488.3	677.3	1045.1	2014.3	5287.6	8852.2
-27.5°	0.0	54.3	112.7	196.9	310.7	467.8	650.0	1006.3	1908.5	4928.1	8962.3
-30°	0.0	53.1	109.0	189.1	296.8	446.0	621.9	954.6	1772.9	4322.3	8511.6
-32.5°	0.0	51.7	105.1	180.9	282.4	423.0	594.6	889.6	1575.7	3579.7	7430.2
-35°	0.0	50.3	100.9	172.3	267.0	398.9	562.2	810.7	1355.9	2649.0	5728.6
-37.5°	0.0	48.7	96.8	163.8	252.0	375.2	527.9	742.2	1183.1	2085.3	4212.2
-40°	0.0	47.0	93.6	156.7	239.6	353.4	495.9	694.1	1077.5	1802.3	3230.0
-42.5°	0.0	45.2	90.1	149.4	226.6	330.5	461.0	637.9	961.0	1510.8	2373.6
-45°	0.0	43.4	86.5	141.8	212.9	306.6	423.4	574.3	834.2	1278.5	1970.2
-47.5°	0.0	41.5	82.7	133.9	198.7	281.5	383.7	518.8	753.6	1116.2	1652.0
-50°	0.0	39.4	78.7	125.6	183.9	255.6	350.8	472.5	660.2	941.2	1357.8
-52.5°	0.0	37.4	74.6	117.1	168.5	236.3	318.8	423.4	559.5	791.6	1112.0
-55°	0.0	35.2	70.3	108.2	155.9	216.4	286.6	373.3	497.2	652.4	832.4
-57.5°	0.0	33.0	65.9	99.1	143.7	195.9	254.4	335.2	433.1	516.2	663.1
-60°	0.0	30.7	61.3	92.0	131.3	175.0	229.5	295.5	371.1	446.1	515.4
-62.5°	0.0	28.3	56.6	85.0	118.5	156.5	204.0	255.4	323.7	381.6	437.8
-65°	0.0	25.9	51.8	77.7	105.4	140.2	177.9	224.9	276.1	328.7	380.8
-67.5°	0.0	23.5	46.9	70.4	93.7	123.6	154.8	193.6	235.1	277.8	325.3
-70°	0.0	21.0	41.9	62.9	83.7	106.6	134.5	162.7	198.3	232.8	270.3
-72.5°	0.0	18.5	36.9	55.2	73.6	91.8	113.9	138.5	162.5	192.9	223.3
-75°	0.0	15.9	31.7	47.5	63.3	79.0	94.5	113.8	134.6	155.9	179.7
-77.5°	0.0	13.3	26.5	39.7	52.9	66.0	79.0	91.4	106.6	124.8	143.0
-80°	0.0	10.7	21.3	31.9	42.4	52.9	63.3	73.4	83.7	94.9	108.6
-82.5°	0.0	8.0	16.0	24.0	31.9	39.7	47.5	55.2	62.9	70.9	80.2
-85°	0.0	5.3	10.7	16.0	21.3	26.5	31.7	36.9	41.9	46.7	53.3
-87.5°	0.0	2.7	5.3	8.0	10.7	13.3	15.9	18.5	21.0	23.4	26.7
-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: P902080 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-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°	30.9	33.5	35.0	31.9	28.5	29.6	30.9	31.4	32.1	32.9	34.6
85°	65.2	72.8	78.0	75.3	76.7	83.1	88.0	89.1	91.2	87.5	88.2
82.5°	109.1	120.8	129.2	132.6	145.2	167.3	190.8	200.5	195.8	186.1	183.0
80°	163.9	185.5	203.2	213.6	234.5	283.3	342.8	374.6	357.2	340.2	330.6
77.5°	228.6	258.6	290.4	320.8	358.2	428.6	534.5	611.5	593.6	577.3	565.5
75°	310.5	351.2	389.7	450.3	523.8	614.8	755.4	936.2	995.4	984.0	959.2
72.5°	397.2	459.2	522.2	603.0	739.0	918.6	1137.1	1407.7	1564.4	1551.5	1481.2
70°	506.6	579.6	661.2	793.1	998.3	1318.8	1723.5	2094.0	2183.2	2179.5	2132.0
67.5°	620.5	720.5	801.2	1000.6	1308.8	1749.2	2230.7	2605.9	2676.0	2739.5	2848.1
65°	763.7	878.6	995.6	1224.1	1630.7	2134.7	2596.6	2875.0	2965.0	3055.9	3290.9
62.5°	913.9	1076.7	1233.3	1529.6	1980.1	2513.0	2900.4	3095.6	3099.3	3211.1	3393.6
60°	1073.1	1284.7	1509.8	1855.4	2364.3	2913.6	3294.8	3481.1	3546.4	3529.4	3606.6
57.5°	1219.5	1497.4	1798.9	2191.2	2766.3	3339.7	3759.0	4022.1	4120.1	4041.8	4056.2
55°	1349.1	1692.3	2071.0	2521.1	3167.2	3756.4	4173.2	4522.8	4669.2	4610.5	4596.8
52.5°	1453.0	1839.6	2245.0	2808.2	3540.8	4198.5	4628.3	4963.9	5207.5	5232.2	5236.3
50°	1538.1	1918.8	2372.3	3047.5	4029.0	4767.0	5275.0	5678.8	5962.9	6288.7	6388.4
47.5°	1604.4	1967.9	2482.4	3365.5	4594.8	5585.6	6392.1	7214.0	7833.2	9117.5	9764.1
45°	1648.3	2030.5	2590.7	3606.1	5355.9	6914.5	8431.7	10034.2	13686.3	17327.8	18836.6
42.5°	1711.6	2090.0	2692.3	4139.9	6573.1	8906.4	11798.0	18382.3	27488.6	35483.8	41592.8
40°	1797.6	2131.9	2848.6	4708.6	8207.7	12769.6	20528.8	33116.8	48611.9	63491.5	70314.3
37.5°	1880.8	2201.0	3277.2	6516.6	12385.4	20089.7	32615.9	51588.9	71785.7	83579.9	90658.4
35°	1972.0	2355.6	3800.3	8556.4	18029.1	29616.0	48116.2	69468.7	85924.9	95701.6	102482.0
32.5°	2068.8	2762.4	5644.0	14029.7	26465.6	40911.1	60611.4	80199.0	93500.4	100940.6	107882.9
30°	2158.7	3191.4	7371.0	19724.8	34585.1	50034.1	69806.0	84876.8	93904.0	100189.5	107904.1
27.5°	2303.7	4161.2	11131.7	26119.4	41151.3	56114.6	72701.8	84309.2	91358.8	97207.1	106137.7
25°	2632.5	5651.2	15800.9	32390.9	45396.1	60139.5	73825.0	82421.4	87823.0	93218.7	103546.6
22.5°	2991.6	7090.9	20241.8	38142.7	48385.7	61754.9	72755.1	79501.5	84251.7	90472.7	99018.5
20°	3396.1	8764.2	24690.5	40497.8	50475.1	62150.4	71088.9	76782.8	81019.1	87386.8	94686.8
17.5°	4150.3	12187.7	28739.2	42090.3	51498.3	62126.2	69651.6	74526.5	78850.2	84738.9	89314.8
15°	5391.9	15284.1	32079.7	42960.8	51716.9	61350.7	68170.8	72684.2	76949.9	82471.9	84868.1
12.5°	6716.2	17969.6	34631.1	43203.7	51651.3	60524.6	66908.8	71026.3	74975.1	79237.3	79650.6
10°	7990.3	20320.7	36338.9	43231.3	51452.1	59854.0	65693.3	69115.2	72654.3	75338.5	74623.9
7.5°	9443.6	22358.1	36618.6	43178.6	51416.3	59248.7	64362.2	66962.9	69814.7	71159.9	69677.9
5°	10823.4	24093.2	36754.2	43406.2	51368.4	58616.1	62639.1	64580.5	66579.3	66808.0	64879.2
2.5°	12405.1	25715.6	36988.2	43632.9	51264.5	57880.4	60757.9	61958.5	63073.8	62484.5	60426.2
0°	13831.7	27060.6	37245.2	43848.1	51057.1	56953.7	58733.4	59208.1	59505.1	58355.2	56313.2
-2.5°	15215.0	28074.2	37460.7	43869.6	50529.7	55803.0	56770.3	56522.5	56170.2	54719.9	52697.9
-5°	16310.9	28718.1	37530.9	43679.6	49674.1	54402.0	54785.3	53918.5	53029.4	51366.4	49388.1
-7.5°	17025.0	28920.3	37476.5	43359.5	48586.3	52785.6	52854.5	51354.7	50049.9	48296.3	46365.7
-10°	17416.3	28817.8	37416.0	43027.7	47393.5	51058.7	51081.5	48930.5	47363.7	45508.6	43630.5
-12.5°	17242.0	28411.7	36916.3	42514.7	46144.0	49166.9	49465.4	47322.7	45216.4	43347.5	41466.6
-15°	16735.3	27031.1	35635.9	41249.2	43694.2	46246.8	46948.2	45152.2	42875.0	41084.8	39207.1
-17.5°	15474.9	25152.2	32965.5	37803.9	40021.8	41058.3	42421.4	40889.8	38793.5	36914.0	35234.7
-20°	14555.7	22542.9	29453.5	33689.6	35012.9	35250.0	35524.3	34936.4	33251.4	31553.9	30143.2



REPORT NUMBER: P902080 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-LT

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	13863.1	20279.0	25981.3	29488.3	30183.5	29639.5	29245.8	28880.8	27813.0	26621.3	25413.0
-25°	13338.1	18529.9	22926.3	25285.4	25633.7	24899.0	24181.0	23680.2	23069.9	22412.3	21467.8
-27.5°	12952.8	17226.7	20238.9	21647.4	21601.4	21033.6	20248.9	19502.8	18923.3	18404.4	17874.5
-30°	12827.6	16261.6	18238.8	18589.0	18272.7	17668.8	17060.4	16276.4	15566.7	15023.2	14635.0
-32.5°	12485.6	15687.6	16736.7	16264.8	15480.5	14850.2	14243.6	13579.1	12932.1	12442.4	11974.3
-35°	11882.8	14848.9	15718.9	14273.4	13182.5	12324.6	11628.0	11008.5	10563.3	10208.3	9909.7
-37.5°	9897.5	13416.1	13977.7	12789.0	11229.8	10145.7	9278.1	8602.5	8226.3	7972.0	7777.9
-40°	6682.9	11353.0	12128.0	11367.9	9692.1	8488.1	7523.5	6788.9	6281.9	5936.7	5838.2
-42.5°	3738.6	8237.6	9437.1	9220.3	8165.6	7289.3	6368.0	5641.0	5145.0	4829.9	4649.3
-45°	2976.6	5003.8	6327.5	6944.5	6294.3	5671.9	5185.8	4714.4	4235.8	4021.3	3872.0
-47.5°	2360.5	2977.5	3980.7	4275.3	4208.9	4023.2	3836.5	3577.0	3368.2	3234.4	3201.3
-50°	1931.0	2415.6	2740.7	2657.7	2746.0	2632.6	2518.2	2430.9	2276.7	2347.0	2419.2
-52.5°	1493.4	1847.0	1963.7	1891.2	1822.0	1802.0	1723.4	1719.8	1733.0	1803.8	1968.7
-55°	1094.8	1306.0	1259.4	1267.6	1280.4	1316.5	1353.6	1368.4	1439.6	1537.8	1714.2
-57.5°	771.8	902.9	959.5	949.9	1021.5	1074.8	1147.7	1202.0	1255.9	1349.7	1536.1
-60°	590.0	677.3	755.5	815.5	875.0	935.3	991.9	1053.0	1109.7	1197.6	1368.4
-62.5°	502.5	558.6	634.8	699.9	752.4	809.1	859.5	908.9	951.0	1022.3	1156.7
-65°	436.4	486.8	542.7	593.9	636.0	687.8	729.2	771.9	808.4	856.2	954.3
-67.5°	369.1	411.4	452.1	491.9	529.3	575.0	610.3	644.5	680.6	715.1	776.8
-70°	308.6	338.0	375.1	403.8	432.4	474.2	505.6	532.2	561.6	586.2	629.2
-72.5°	251.3	277.5	304.8	328.2	353.3	385.0	411.6	432.3	450.9	470.4	500.1
-75°	204.3	222.0	238.6	261.1	279.8	302.9	319.1	336.5	352.8	370.5	389.5
-77.5°	159.4	174.0	189.0	203.5	213.4	223.6	240.6	255.7	268.5	279.5	289.9
-80°	121.8	133.7	143.6	152.8	160.1	168.9	176.3	187.0	195.4	194.1	201.6
-82.5°	87.9	96.4	102.7	109.6	116.2	121.7	122.7	128.8	134.6	131.7	136.2
-85°	58.4	63.6	68.2	72.4	76.6	80.2	78.6	81.8	85.4	86.0	88.2
-87.5°	29.1	31.6	34.0	36.4	38.8	41.0	40.7	42.6	44.4	50.0	51.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902080 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-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°	33.0	33.0	34.2	35.7	37.1	38.3	39.5	34.4	34.0	33.6	35.0
85°	90.4	91.6	103.3	103.9	105.9	107.0	111.8	132.4	129.4	128.7	139.4
82.5°	190.0	204.6	232.9	236.0	233.3	227.4	234.5	262.8	284.5	307.5	329.5
80°	341.1	371.6	411.8	426.6	421.9	408.8	405.4	430.5	471.8	526.0	589.3
77.5°	572.3	600.9	641.3	659.4	654.1	641.0	631.8	658.7	684.1	709.7	748.5
75°	935.8	946.1	987.6	988.3	959.5	935.0	936.5	969.6	976.3	969.2	989.7
72.5°	1418.2	1392.3	1409.0	1381.5	1302.7	1240.8	1218.0	1224.9	1222.4	1210.8	1202.4
70°	2021.9	1897.2	1835.6	1772.0	1650.6	1555.2	1489.3	1458.3	1452.4	1435.1	1405.1
67.5°	2753.2	2543.2	2349.0	2162.6	2021.6	1928.9	1891.5	1864.4	1788.0	1688.3	1609.1
65°	3415.6	3297.9	3113.5	2826.9	2510.0	2380.8	2480.5	2507.4	2333.0	2155.6	2032.5
62.5°	3625.4	3837.0	3961.0	3821.7	3318.0	3124.3	3330.9	3456.2	3221.0	2944.5	2703.7
60°	3751.4	4100.5	4493.1	4675.2	4363.1	4260.0	4428.9	4586.3	4358.7	3988.5	3565.8
57.5°	4103.4	4317.3	4668.4	5081.6	5120.9	5235.5	5318.8	5282.0	5160.9	4650.1	4204.5
55°	4694.6	4798.6	5056.2	5320.7	5532.6	5830.7	5916.9	5608.6	5372.4	5184.5	5023.8
52.5°	5281.9	5481.2	5664.2	5860.7	5895.0	6015.5	6215.0	6234.0	5931.6	5705.4	5634.0
50°	6320.3	6632.2	6679.8	6845.5	6650.3	6419.9	6216.4	6343.8	6385.7	6118.2	6026.2
47.5°	9995.0	10414.5	9900.8	10033.6	9135.6	8690.5	7674.7	6709.8	6457.1	6395.8	6434.1
45°	21029.1	21465.2	20621.0	20774.2	18600.8	17411.2	14336.0	12327.3	10456.9	8684.6	8091.3
42.5°	44446.1	45335.0	45668.3	45754.5	42637.8	41223.7	35143.9	32599.2	27562.6	21894.4	22170.1
40°	74261.0	78677.5	82602.5	85281.2	87083.9	86354.2	86060.6	82250.1	81264.5	76304.4	73850.9
37.5°	96853.2	104209.0	112277.8	120596.8	126711.2	128426.1	131842.5	133572.2	136513.8	136413.1	137904.8
35°	110102.2	120845.7	132942.1	142010.7	147916.6	150339.8	155628.5	159352.3	165090.5	167926.0	172250.3
32.5°	117727.2	131929.2	142156.9	148283.7	151373.2	153797.4	158028.0	162310.6	166738.3	170819.9	175021.8
30°	120600.1	132560.5	139233.8	141693.5	142221.3	144210.2	147055.3	150097.1	153492.7	156637.3	159347.7
27.5°	118214.4	125900.8	128432.2	127587.6	127312.6	128375.4	129893.2	131917.9	133865.7	135530.8	137258.3
25°	112557.7	115467.9	114693.6	112905.8	112196.7	112383.2	112910.7	113669.5	114820.6	115604.1	116316.7
22.5°	104072.8	104382.0	102539.9	100346.7	99312.6	98879.0	98479.0	98677.3	98915.8	98850.6	98884.8
20°	96448.5	94956.6	92568.7	90339.4	89238.2	88110.4	87603.1	87068.4	86896.4	86440.5	85677.0
17.5°	89247.8	87313.8	84769.0	82826.4	81500.7	80327.4	79471.6	78822.8	78110.1	77338.5	76461.3
15°	83231.5	81179.6	78833.8	76948.2	75578.3	74319.2	73322.4	72433.7	71538.5	70591.8	69522.2
12.5°	77865.8	75748.2	73436.5	71791.4	70446.0	69146.3	68079.5	67074.4	66071.7	64891.5	63867.3
10°	72724.8	70582.5	68495.4	66903.9	65542.9	64325.4	63191.1	62158.5	60978.1	59815.6	58590.2
7.5°	67680.9	65737.3	63836.1	62285.4	60868.8	59638.9	58536.2	57389.8	56203.6	54962.8	53733.8
5°	62972.3	61222.5	59350.7	57952.6	56570.5	55291.1	54145.3	52980.2	51717.2	50408.2	49148.6
2.5°	58658.3	57084.5	55304.0	54007.1	52607.6	51302.3	50086.4	48851.8	47608.9	46223.7	44907.8
0°	54657.3	53263.3	51651.0	50260.7	48845.9	47553.9	46344.8	45096.5	43754.2	42377.0	41097.3
-2.5°	51129.6	49862.0	48298.3	46941.9	45554.8	44188.0	42901.6	41600.4	40298.7	38989.0	37719.9
-5°	47810.2	46650.8	45210.7	43940.2	42490.5	41106.4	39801.9	38520.3	37238.3	35950.7	34763.9
-7.5°	44814.5	43720.3	42388.0	41098.2	39784.8	38371.2	37051.6	35781.5	34529.9	33262.3	32127.8
-10°	42063.1	40951.0	39644.4	38359.4	37120.7	35797.2	34457.2	33166.6	31934.8	30728.4	29641.5
-12.5°	39914.9	38785.5	37463.0	36185.0	34925.0	33635.8	32328.9	30987.7	29725.7	28528.4	27434.4
-15°	37723.0	36571.7	35395.1	34129.1	32960.7	31699.5	30393.0	29084.2	27822.9	26673.7	25730.4
-17.5°	33773.3	32750.7	31890.8	30684.6	29530.3	28340.5	27136.4	25852.3	24716.2	23643.6	22662.1
-20°	28832.6	27830.9	27163.7	26229.1	25283.2	24266.6	23274.6	22249.9	21223.4	20278.6	19499.0



REPORT NUMBER: P902080 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-LT

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	24245.4	23303.7	22739.5	22020.7	21260.3	20480.3	19734.0	18889.0	18136.3	17356.2	16674.4
-25°	20556.7	19697.8	19171.1	18591.7	18052.4	17578.0	17064.1	16534.7	15960.5	15428.3	14927.9
-27.5°	17250.3	16587.1	16016.8	15630.6	15200.5	14879.2	14598.0	14325.9	14075.1	13872.0	13640.7
-30°	14170.0	13647.2	13135.3	12696.3	12341.9	12060.9	11940.8	11896.2	11798.2	11878.3	11911.3
-32.5°	11563.1	11104.2	10610.8	10079.1	9578.0	9279.7	9136.0	9050.7	9121.4	9283.9	9495.8
-35°	9570.8	9166.2	8645.8	8045.8	7402.0	6978.7	6641.1	6534.8	6512.9	6702.7	6873.3
-37.5°	7639.8	7447.4	7043.3	6462.6	5751.7	5298.1	4912.0	4738.1	4594.8	4692.6	4834.0
-40°	5843.3	5773.3	5614.9	5188.2	4596.7	4126.5	3796.0	3616.4	3516.7	3530.9	3605.9
-42.5°	4616.1	4582.6	4520.5	4189.5	3820.6	3399.1	3137.4	2993.9	2952.6	2937.1	3021.3
-45°	3823.4	3849.8	3726.4	3574.8	3307.1	3014.1	2848.9	2811.3	2751.5	2814.9	2904.3
-47.5°	3195.0	3211.6	3184.1	3103.2	2866.7	2670.2	2532.1	2471.5	2413.8	2489.2	2586.9
-50°	2482.5	2630.9	2632.6	2628.1	2486.1	2325.9	2225.9	2194.8	2223.4	2307.8	2426.7
-52.5°	2125.9	2262.9	2293.8	2276.4	2144.8	2057.2	2034.8	2050.3	2104.2	2177.8	2221.2
-55°	1866.7	1974.8	2031.1	2053.3	1960.3	1872.3	1873.3	1900.6	1967.3	2017.7	2006.4
-57.5°	1728.6	1823.9	1928.9	1984.6	1877.0	1796.8	1796.1	1805.5	1906.0	1910.9	1870.8
-60°	1581.9	1699.0	1777.2	1796.1	1728.8	1649.4	1637.9	1661.1	1727.0	1690.0	1688.3
-62.5°	1325.7	1461.6	1522.3	1521.5	1522.4	1446.6	1450.2	1476.4	1506.3	1494.2	1533.2
-65°	1124.2	1230.8	1305.4	1306.3	1317.8	1280.3	1278.4	1283.4	1292.1	1313.9	1368.5
-67.5°	911.2	1028.1	1098.6	1121.0	1117.6	1107.0	1091.8	1080.2	1082.6	1117.3	1156.0
-70°	720.2	814.4	877.4	906.1	905.8	896.8	890.4	876.2	889.7	920.0	945.2
-72.5°	554.2	618.9	676.7	706.1	706.9	701.8	704.8	694.5	710.5	757.3	826.3
-75°	414.2	449.4	492.6	512.8	518.0	520.5	531.8	528.6	571.5	663.7	730.1
-77.5°	290.9	308.5	332.9	344.3	349.1	354.6	370.0	382.5	459.9	593.7	547.4
-80°	210.0	218.9	228.0	234.5	235.6	237.8	242.8	266.4	323.9	385.2	322.2
-82.5°	146.5	153.3	157.8	162.5	167.8	167.6	172.1	190.0	225.7	242.3	216.5
-85°	95.3	100.8	105.5	107.6	110.0	112.1	118.7	123.2	127.5	129.7	130.8
-87.5°	52.8	57.4	66.7	66.1	60.7	61.7	64.6	69.6	75.1	75.3	78.2
-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: P902080 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-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°	35.5	36.4	36.7	38.4	36.7	36.4	35.5	35.0	33.6	34.0	34.4
85°	145.9	155.4	160.5	162.8	160.5	155.4	145.9	139.4	128.7	129.4	132.4
82.5°	353.7	378.8	394.8	400.0	394.8	378.8	353.7	329.5	307.5	284.5	262.8
80°	654.2	682.6	719.0	733.6	719.0	682.6	654.2	589.3	526.0	471.8	430.5
77.5°	790.8	829.9	903.9	956.1	903.9	829.9	790.8	748.5	709.7	684.1	658.7
75°	1021.8	1080.3	1227.9	1365.6	1227.9	1080.3	1021.8	989.7	969.2	976.3	969.6
72.5°	1209.9	1320.5	1663.3	2006.1	1663.3	1320.5	1209.9	1202.4	1210.8	1222.4	1224.9
70°	1366.1	1426.5	1852.7	2366.4	1852.7	1426.5	1366.1	1405.1	1435.1	1452.4	1458.3
67.5°	1558.6	1543.8	1755.4	2094.9	1755.4	1543.8	1558.6	1609.1	1688.3	1788.0	1864.4
65°	1950.0	1848.2	1832.8	1881.5	1832.8	1848.2	1950.0	2032.5	2155.6	2333.0	2507.4
62.5°	2530.9	2404.5	2333.8	2312.0	2333.8	2404.5	2530.9	2703.7	2944.5	3221.0	3456.2
60°	3319.0	3185.6	3108.8	3088.8	3108.8	3185.6	3319.0	3565.8	3988.5	4358.7	4586.3
57.5°	3979.1	3834.7	3740.7	3697.8	3740.7	3834.7	3979.1	4204.5	4650.1	5160.9	5282.0
55°	4923.4	4787.0	4651.1	4575.4	4651.1	4787.0	4923.4	5023.8	5184.5	5372.4	5608.6
52.5°	5660.1	5656.1	5555.4	5413.1	5555.4	5656.1	5660.1	5634.0	5705.4	5931.6	6234.0
50°	5995.0	5924.8	5785.2	5659.8	5785.2	5924.8	5995.0	6026.2	6118.2	6385.7	6343.8
47.5°	6459.5	6404.9	6299.6	6184.2	6299.6	6404.9	6459.5	6434.1	6395.8	6457.1	6709.8
45°	8189.3	8194.1	8057.2	7945.7	8057.2	8194.1	8189.3	8091.3	8684.6	10456.9	12327.3
42.5°	20844.7	18660.1	17042.8	16247.1	17042.8	18660.1	20844.7	22170.1	21894.4	27562.6	32599.2
40°	72863.9	71130.8	69432.8	68161.1	69432.8	71130.8	72863.9	73850.9	76304.4	81264.5	82250.1
37.5°	140109.2	139782.7	138751.8	137816.2	138751.8	139782.7	140109.2	137904.8	136413.1	136513.8	133572.2
35°	174962.9	175995.9	176459.0	176560.8	176459.0	175995.9	174962.9	172250.3	167926.0	165090.5	159352.3
32.5°	177004.8	179122.2	180273.0	180706.6	180273.0	179122.2	177004.8	175021.8	170819.9	166738.3	162310.6
30°	161257.5	163056.2	164008.4	164327.5	164008.4	163056.2	161257.5	159347.7	156637.3	153492.7	150097.1
27.5°	138585.7	139718.0	140238.1	140417.0	140238.1	139718.0	138585.7	137258.3	135530.8	133865.7	131917.9
25°	116492.1	117002.7	117119.8	117273.7	117119.8	117002.7	116492.1	116316.7	115604.1	114820.6	113669.5
22.5°	98575.7	98517.6	98203.4	98163.3	98203.4	98517.6	98575.7	98884.8	98850.6	98915.8	98677.3
20°	85225.4	84855.3	84427.4	84185.2	84427.4	84855.3	85225.4	85677.0	86440.5	86896.4	87068.4
17.5°	75827.6	75090.2	74749.6	74797.0	74749.6	75090.2	75827.6	76461.3	77338.5	78110.1	78822.8
15°	68727.9	68042.5	67621.1	67739.7	67621.1	68042.5	68727.9	69522.2	70591.8	71538.5	72433.7
12.5°	62887.0	62082.7	61600.2	61593.9	61600.2	62082.7	62887.0	63867.3	64891.5	66071.7	67074.4
10°	57530.7	56686.0	56147.4	56014.9	56147.4	56686.0	57530.7	58590.2	59815.6	60978.1	62158.5
7.5°	52586.9	51709.6	51129.8	50983.6	51129.8	51709.6	52586.9	53733.8	54962.8	56203.6	57389.8
5°	48031.9	47148.4	46567.7	46358.6	46567.7	47148.4	48031.9	49148.6	50408.2	51717.2	52980.2
2.5°	43774.4	42936.9	42369.7	42154.9	42369.7	42936.9	43774.4	44907.8	46223.7	47608.9	48851.8
0°	39985.5	39134.4	38606.3	38417.4	38606.3	39134.4	39985.5	41097.3	42377.0	43754.2	45096.5
-2.5°	36625.9	35817.6	35337.0	35163.5	35337.0	35817.6	36625.9	37719.9	38989.0	40298.7	41600.4
-5°	33733.3	32920.4	32363.9	32191.7	32363.9	32920.4	33733.3	34763.9	35950.7	37238.3	38520.3
-7.5°	31118.3	30310.0	29804.0	29567.5	29804.0	30310.0	31118.3	32127.8	33262.3	34529.9	35781.5
-10°	28686.9	27897.6	27409.3	27177.3	27409.3	27897.6	28686.9	29641.5	30728.4	31934.8	33166.6
-12.5°	26556.8	25841.2	25381.6	25210.7	25381.6	25841.2	26556.8	27434.4	28528.4	29725.7	30987.7
-15°	24715.7	24120.1	23581.1	23430.6	23581.1	24120.1	24715.7	25730.4	26673.7	27822.9	29084.2
-17.5°	21935.0	21310.3	20974.5	20862.9	20974.5	21310.3	21935.0	22662.1	23643.6	24716.2	25852.3
-20°	18820.5	18369.8	18081.0	17971.8	18081.0	18369.8	18820.5	19499.0	20278.6	21223.4	22249.9



REPORT NUMBER: P902080 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-LT

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	16126.9	15818.3	15600.9	15524.9	15600.9	15818.3	16126.9	16674.4	17356.2	18136.3	18889.0
-25°	14548.7	14294.7	14109.1	14052.7	14109.1	14294.7	14548.7	14927.9	15428.3	15960.5	16534.7
-27.5°	13505.6	13394.4	13252.7	13246.8	13252.7	13394.4	13505.6	13640.7	13872.0	14075.1	14325.9
-30°	11996.2	12149.7	12173.0	12201.5	12173.0	12149.7	11996.2	11911.3	11878.3	11798.2	11896.2
-32.5°	9764.7	10082.1	10243.7	10260.6	10243.7	10082.1	9764.7	9495.8	9283.9	9121.4	9050.7
-35°	7167.8	7487.4	7726.4	7814.6	7726.4	7487.4	7167.8	6873.3	6702.7	6512.9	6534.8
-37.5°	4954.1	5149.8	5362.5	5439.5	5362.5	5149.8	4954.1	4834.0	4692.6	4594.8	4738.1
-40°	3686.6	3793.2	3889.4	3922.7	3889.4	3793.2	3686.6	3605.9	3530.9	3516.7	3616.4
-42.5°	3132.2	3230.9	3326.1	3398.9	3326.1	3230.9	3132.2	3021.3	2937.1	2952.6	2993.9
-45°	2953.7	3064.1	3159.0	3217.7	3159.0	3064.1	2953.7	2904.3	2814.9	2751.5	2811.3
-47.5°	2718.6	2796.5	2829.1	2831.7	2829.1	2796.5	2718.6	2586.9	2489.2	2413.8	2471.5
-50°	2443.2	2408.4	2429.3	2412.4	2429.3	2408.4	2443.2	2426.7	2307.8	2223.4	2194.8
-52.5°	2209.9	2177.9	2141.8	2174.1	2141.8	2177.9	2209.9	2221.2	2177.8	2104.2	2050.3
-55°	2019.0	2019.2	2015.5	2037.9	2015.5	2019.2	2019.0	2006.4	2017.7	1967.3	1900.6
-57.5°	1874.6	1920.2	1953.0	1904.5	1953.0	1920.2	1874.6	1870.8	1910.9	1906.0	1805.5
-60°	1723.8	1801.1	1893.8	1981.6	1893.8	1801.1	1723.8	1688.3	1690.0	1727.0	1661.1
-62.5°	1591.7	1670.9	1769.5	1936.2	1769.5	1670.9	1591.7	1533.2	1494.2	1506.3	1476.4
-65°	1427.3	1496.0	1569.0	1650.6	1569.0	1496.0	1427.3	1368.5	1313.9	1292.1	1283.4
-67.5°	1202.1	1271.2	1354.1	1423.1	1354.1	1271.2	1202.1	1156.0	1117.3	1082.6	1080.2
-70°	995.2	1058.8	1149.0	1206.9	1149.0	1058.8	995.2	945.2	920.0	889.7	876.2
-72.5°	913.6	977.2	956.0	930.8	956.0	977.2	913.6	826.3	757.3	710.5	694.5
-75°	695.9	653.1	641.9	636.1	641.9	653.1	695.9	730.1	663.7	571.5	528.6
-77.5°	451.4	432.1	429.6	421.9	429.6	432.1	451.4	547.4	593.7	459.9	382.5
-80°	295.0	295.1	283.8	278.5	283.8	295.1	295.0	322.2	385.2	323.9	266.4
-82.5°	209.8	196.8	189.2	188.6	189.2	196.8	209.8	216.5	242.3	225.7	190.0
-85°	130.9	128.2	120.0	118.4	120.0	128.2	130.9	130.8	129.7	127.5	123.2
-87.5°	75.9	72.1	68.2	66.5	68.2	72.1	75.9	78.2	75.3	75.1	69.6
-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: P902080 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-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°	39.5	38.3	37.1	35.7	34.2	33.0	33.0	34.6	32.9	32.1	31.4
85°	111.8	107.0	105.9	103.9	103.3	91.6	90.4	88.2	87.5	91.2	89.1
82.5°	234.5	227.4	233.3	236.0	232.9	204.6	190.0	183.0	186.1	195.8	200.5
80°	405.4	408.8	421.9	426.6	411.8	371.6	341.1	330.6	340.2	357.2	374.6
77.5°	631.8	641.0	654.1	659.4	641.3	600.9	572.3	565.5	577.3	593.6	611.5
75°	936.5	935.0	959.5	988.3	987.6	946.1	935.8	959.2	984.0	995.4	936.2
72.5°	1218.0	1240.8	1302.7	1381.5	1409.0	1392.3	1418.2	1481.2	1551.5	1564.4	1407.7
70°	1489.3	1555.2	1650.6	1772.0	1835.6	1897.2	2021.9	2132.0	2179.5	2183.2	2094.0
67.5°	1891.5	1928.9	2021.6	2162.6	2349.0	2543.2	2753.2	2848.1	2739.5	2676.0	2605.9
65°	2480.5	2380.8	2510.0	2826.9	3113.5	3297.9	3415.6	3290.9	3055.9	2965.0	2875.0
62.5°	3330.9	3124.3	3318.0	3821.7	3961.0	3837.0	3625.4	3393.6	3211.1	3099.3	3095.6
60°	4428.9	4260.0	4363.1	4675.2	4493.1	4100.5	3751.4	3606.6	3529.4	3546.4	3481.1
57.5°	5318.8	5235.5	5120.9	5081.6	4668.4	4317.3	4103.4	4056.2	4041.8	4120.1	4022.1
55°	5916.9	5830.7	5532.6	5320.7	5056.2	4798.6	4694.6	4596.8	4610.5	4669.2	4522.8
52.5°	6215.0	6015.5	5895.0	5860.7	5664.2	5481.2	5281.9	5236.3	5232.2	5207.5	4963.9
50°	6216.4	6419.9	6650.3	6845.5	6679.8	6632.2	6320.3	6388.4	6288.7	5962.9	5678.8
47.5°	7674.7	8690.5	9135.6	10033.6	9900.8	10414.5	9995.0	9764.1	9117.5	7833.2	7214.0
45°	14336.0	17411.2	18600.8	20774.2	20621.0	21465.2	21029.1	18836.6	17327.8	13686.3	10034.2
42.5°	35143.9	41223.7	42637.8	45754.5	45668.3	45335.0	44446.1	41592.8	35483.8	27488.6	18382.3
40°	86060.6	86354.2	87083.9	85281.2	82602.5	78677.5	74261.0	70314.3	63491.5	48611.9	33116.8
37.5°	131842.5	128426.1	126711.2	120596.8	112277.8	104209.0	96853.2	90658.4	83579.9	71785.7	51588.9
35°	155628.5	150339.8	147916.6	142010.7	132942.1	120845.7	110102.2	102482.0	95701.6	85924.9	69468.7
32.5°	158028.0	153797.4	151373.2	148283.7	142156.9	131929.2	117727.2	107882.9	100940.6	93500.4	80199.0
30°	147055.3	144210.2	142221.3	141693.5	139233.8	132560.5	120600.1	107904.1	100189.5	93904.0	84876.8
27.5°	129893.2	128375.4	127312.6	127587.6	128432.2	125900.8	118214.4	106137.7	97207.1	91358.8	84309.2
25°	112910.7	112383.2	112196.7	112905.8	114693.6	115467.9	112557.7	103546.6	93218.7	87823.0	82421.4
22.5°	98479.0	98879.0	99312.6	100346.7	102539.9	104382.0	104072.8	99018.5	90472.7	84251.7	79501.5
20°	87603.1	88110.4	89238.2	90339.4	92568.7	94956.6	96448.5	94686.8	87386.8	81019.1	76782.8
17.5°	79471.6	80327.4	81500.7	82826.4	84769.0	87313.8	89247.8	89314.8	84738.9	78850.2	74526.5
15°	73322.4	74319.2	75578.3	76948.2	78833.8	81179.6	83231.5	84868.1	82471.9	76949.9	72684.2
12.5°	68079.5	69146.3	70446.0	71791.4	73436.5	75748.2	77865.8	79650.6	79237.3	74975.1	71026.3
10°	63191.1	64325.4	65542.9	66903.9	68495.4	70582.5	72724.8	74623.9	75338.5	72654.3	69115.2
7.5°	58536.2	59638.9	60868.8	62285.4	63836.1	65737.3	67680.9	69677.9	71159.9	69814.7	66962.9
5°	54145.3	55291.1	56570.5	57952.6	59350.7	61222.5	62972.3	64879.2	66808.0	66579.3	64580.5
2.5°	50086.4	51302.3	52607.6	54007.1	55304.0	57084.5	58658.3	60426.2	62484.5	63073.8	61958.5
0°	46344.8	47553.9	48845.9	50260.7	51651.0	53263.3	54657.3	56313.2	58355.2	59505.1	59208.1
-2.5°	42901.6	44188.0	45554.8	46941.9	48298.3	49862.0	51129.6	52697.9	54719.9	56170.2	56522.5
-5°	39801.9	41106.4	42490.5	43940.2	45210.7	46650.8	47810.2	49388.1	51366.4	53029.4	53918.5
-7.5°	37051.6	38371.2	39784.8	41098.2	42388.0	43720.3	44814.5	46365.7	48296.3	50049.9	51354.7
-10°	34457.2	35797.2	37120.7	38359.4	39644.4	40951.0	42063.1	43630.5	45508.6	47363.7	48930.5
-12.5°	32328.9	33635.8	34925.0	36185.0	37463.0	38785.5	39914.9	41466.6	43347.5	45216.4	47322.7
-15°	30393.0	31699.5	32960.7	34129.1	35395.1	36571.7	37723.0	39207.1	41084.8	42875.0	45152.2
-17.5°	27136.4	28340.5	29530.3	30684.6	31890.8	32750.7	33773.3	35234.7	36914.0	38793.5	40889.8
-20°	23274.6	24266.6	25283.2	26229.1	27163.7	27830.9	28832.6	30143.2	31553.9	33251.4	34936.4



REPORT NUMBER: P902080 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-LT

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	19734.0	20480.3	21260.3	22020.7	22739.5	23303.7	24245.4	25413.0	26621.3	27813.0	28880.8
-25°	17064.1	17578.0	18052.4	18591.7	19171.1	19697.8	20556.7	21467.8	22412.3	23069.9	23680.2
-27.5°	14598.0	14879.2	15200.5	15630.6	16016.8	16587.1	17250.3	17874.5	18404.4	18923.3	19502.8
-30°	11940.8	12060.9	12341.9	12696.3	13135.3	13647.2	14170.0	14635.0	15023.2	15566.7	16276.4
-32.5°	9136.0	9279.7	9578.0	10079.1	10610.8	11104.2	11563.1	11974.3	12442.4	12932.1	13579.1
-35°	6641.1	6978.7	7402.0	8045.8	8645.8	9166.2	9570.8	9909.7	10208.3	10563.3	11008.5
-37.5°	4912.0	5298.1	5751.7	6462.6	7043.3	7447.4	7639.8	7777.9	7972.0	8226.3	8602.5
-40°	3796.0	4126.5	4596.7	5188.2	5614.9	5773.3	5843.3	5838.2	5936.7	6281.9	6788.9
-42.5°	3137.4	3399.1	3820.6	4189.5	4520.5	4582.6	4616.1	4649.3	4829.9	5145.0	5641.0
-45°	2848.9	3014.1	3307.1	3574.8	3726.4	3849.8	3823.4	3872.0	4021.3	4235.8	4714.4
-47.5°	2532.1	2670.2	2866.7	3103.2	3184.1	3211.6	3195.0	3201.3	3234.4	3368.2	3577.0
-50°	2225.9	2325.9	2486.1	2628.1	2632.6	2630.9	2482.5	2419.2	2347.0	2276.7	2430.9
-52.5°	2034.8	2057.2	2144.8	2276.4	2293.8	2262.9	2125.9	1968.7	1803.8	1733.0	1719.8
-55°	1873.3	1872.3	1960.3	2053.3	2031.1	1974.8	1866.7	1714.2	1537.8	1439.6	1368.4
-57.5°	1796.1	1796.8	1877.0	1984.6	1928.9	1823.9	1728.6	1536.1	1349.7	1255.9	1202.0
-60°	1637.9	1649.4	1728.8	1796.1	1777.2	1699.0	1581.9	1368.4	1197.6	1109.7	1053.0
-62.5°	1450.2	1446.6	1522.4	1521.5	1522.3	1461.6	1325.7	1156.7	1022.3	951.0	908.9
-65°	1278.4	1280.3	1317.8	1306.3	1305.4	1230.8	1124.2	954.3	856.2	808.4	771.9
-67.5°	1091.8	1107.0	1117.6	1121.0	1098.6	1028.1	911.2	776.8	715.1	680.6	644.5
-70°	890.4	896.8	905.8	906.1	877.4	814.4	720.2	629.2	586.2	561.6	532.2
-72.5°	704.8	701.8	706.9	706.1	676.7	618.9	554.2	500.1	470.4	450.9	432.3
-75°	531.8	520.5	518.0	512.8	492.6	449.4	414.2	389.5	370.5	352.8	336.5
-77.5°	370.0	354.6	349.1	344.3	332.9	308.5	290.9	289.9	279.5	268.5	255.7
-80°	242.8	237.8	235.6	234.5	228.0	218.9	210.0	201.6	194.1	195.4	187.0
-82.5°	172.1	167.6	167.8	162.5	157.8	153.3	146.5	136.2	131.7	134.6	128.8
-85°	118.7	112.1	110.0	107.6	105.5	100.8	95.3	88.2	86.0	85.4	81.8
-87.5°	64.6	61.7	60.7	66.1	66.7	57.4	52.8	51.9	50.0	44.4	42.6
-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: P902080 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-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°	30.9	29.6	28.5	31.9	35.0	33.5	30.9	26.5	23.4	20.9	19.0
85°	88.0	83.1	76.7	75.3	78.0	72.8	65.2	54.4	46.7	41.8	38.0
82.5°	190.8	167.3	145.2	132.6	129.2	120.8	109.1	94.8	80.6	70.0	60.2
80°	342.8	283.3	234.5	213.6	203.2	185.5	163.9	138.8	115.5	102.0	88.9
77.5°	534.5	428.6	358.2	320.8	290.4	258.6	228.6	198.7	166.0	138.1	117.4
75°	755.4	614.8	523.8	450.3	389.7	351.2	310.5	263.9	219.5	184.0	152.4
72.5°	1137.1	918.6	739.0	603.0	522.2	459.2	397.2	344.2	284.5	229.2	190.6
70°	1723.5	1318.8	998.3	793.1	661.2	579.6	506.6	429.1	353.8	285.9	228.0
67.5°	2230.7	1749.2	1308.8	1000.6	801.2	720.5	620.5	523.7	427.3	342.6	272.5
65°	2596.6	2134.7	1630.7	1224.1	995.6	878.6	763.7	624.5	505.9	402.5	316.4
62.5°	2900.4	2513.0	1980.1	1529.6	1233.3	1076.7	913.9	743.2	587.9	467.4	358.1
60°	3294.8	2913.6	2364.3	1855.4	1509.8	1284.7	1073.1	859.6	687.3	529.4	404.3
57.5°	3759.0	3339.7	2766.3	2191.2	1798.9	1497.4	1219.5	975.1	776.8	594.8	447.4
55°	4173.2	3756.4	3167.2	2521.1	2071.0	1692.3	1349.1	1075.4	857.1	659.7	489.0
52.5°	4628.3	4198.5	3540.8	2808.2	2245.0	1839.6	1453.0	1160.9	933.4	721.7	542.2
50°	5275.0	4767.0	4029.0	3047.5	2372.3	1918.8	1538.1	1238.7	1006.4	789.0	592.6
47.5°	6392.1	5585.6	4594.8	3365.5	2482.4	1967.9	1604.4	1317.8	1079.8	852.7	638.3
45°	8431.7	6914.5	5355.9	3606.1	2590.7	2030.5	1648.3	1391.5	1150.1	914.7	686.2
42.5°	11798.0	8906.4	6573.1	4139.9	2692.3	2090.0	1711.6	1459.5	1217.1	976.0	735.4
40°	20528.8	12769.6	8207.7	4708.6	2848.6	2131.9	1797.6	1532.1	1281.5	1034.1	780.2
37.5°	32615.9	20089.7	12385.4	6516.6	3277.2	2201.0	1880.8	1602.6	1344.4	1088.9	820.8
35°	48116.2	29616.0	18029.1	8556.4	3800.3	2355.6	1972.0	1676.0	1404.8	1139.5	860.5
32.5°	60611.4	40911.1	26465.6	14029.7	5644.0	2762.4	2068.8	1751.9	1464.1	1190.3	902.7
30°	69806.0	50034.1	34585.1	19724.8	7371.0	3191.4	2158.7	1817.5	1523.5	1240.8	941.7
27.5°	72701.8	56114.6	41151.3	26119.4	11131.7	4161.2	2303.7	1871.0	1577.2	1285.3	975.4
25°	73825.0	60139.5	45396.1	32390.9	15800.9	5651.2	2632.5	1906.6	1621.1	1321.1	1003.6
22.5°	72755.1	61754.9	48385.7	38142.7	20241.8	7090.9	2991.6	1917.9	1651.3	1348.9	1029.8
20°	71088.9	62150.4	50475.1	40497.8	24690.5	8764.2	3396.1	1937.8	1680.2	1371.7	1053.4
17.5°	69651.6	62126.2	51498.3	42090.3	28739.2	12187.7	4150.3	1952.7	1709.3	1390.4	1071.6
15°	68170.8	61350.7	51716.9	42960.8	32079.7	15284.1	5391.9	2109.5	1739.2	1405.2	1088.4
12.5°	66908.8	60524.6	51651.3	43203.7	34631.1	17969.6	6716.2	2530.1	1766.6	1426.6	1105.9
10°	65693.3	59854.0	51452.1	43231.3	36338.9	20320.7	7990.3	3000.4	1830.1	1452.8	1119.5
7.5°	64362.2	59248.7	51416.3	43178.6	36618.6	22358.1	9443.6	3572.6	1916.2	1475.4	1129.3
5°	62639.1	58616.1	51368.4	43406.2	36754.2	24093.2	10823.4	4150.2	2034.0	1495.0	1135.2
2.5°	60757.9	57880.4	51264.5	43632.9	36988.2	25715.6	12405.1	4828.3	2184.5	1510.2	1136.5
0°	58733.4	56953.7	51057.1	43848.1	37245.2	27060.6	13831.7	5434.7	2321.0	1519.9	1133.4
-2.5°	56770.3	55803.0	50529.7	43869.6	37460.7	28074.2	15215.0	6136.9	2587.7	1576.6	1145.8
-5°	54785.3	54402.0	49674.1	43679.6	37530.9	28718.1	16310.9	6685.9	2811.4	1624.5	1153.1
-7.5°	52854.5	52785.6	48586.3	43359.5	37476.5	28920.3	17025.0	7304.0	3120.3	1692.2	1154.4
-10°	51081.5	51058.7	47393.5	43027.7	37416.0	28817.8	17416.3	7765.6	3444.7	1833.9	1168.3
-12.5°	49465.4	49166.9	46144.0	42514.7	36916.3	28411.7	17242.0	7977.1	3714.1	1941.1	1175.5
-15°	46948.2	46246.8	43694.2	41249.2	35635.9	27031.1	16735.3	7987.6	4146.3	2080.4	1169.5
-17.5°	42421.4	41058.3	40021.8	37803.9	32965.5	25152.2	15474.9	8180.5	4492.0	2235.1	1163.7
-20°	35524.3	35250.0	35012.9	33689.6	29453.5	22542.9	14555.7	8434.9	4827.8	2283.4	1144.9



REPORT NUMBER: P902080 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-LT

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	29245.8	29639.5	30183.5	29488.3	25981.3	20279.0	13863.1	8655.8	5116.1	2225.6	1095.5
-25°	24181.0	24899.0	25633.7	25285.4	22926.3	18529.9	13338.1	8852.2	5287.6	2014.3	1045.1
-27.5°	20248.9	21033.6	21601.4	21647.4	20238.9	17226.7	12952.8	8962.3	4928.1	1908.5	1006.3
-30°	17060.4	17668.8	18272.7	18589.0	18238.8	16261.6	12827.6	8511.6	4322.3	1772.9	954.6
-32.5°	14243.6	14850.2	15480.5	16264.8	16736.7	15687.6	12485.6	7430.2	3579.7	1575.7	889.6
-35°	11628.0	12324.6	13182.5	14273.4	15718.9	14848.9	11882.8	5728.6	2649.0	1355.9	810.7
-37.5°	9278.1	10145.7	11229.8	12789.0	13977.7	13416.1	9897.5	4212.2	2085.3	1183.1	742.2
-40°	7523.5	8488.1	9692.1	11367.9	12128.0	11353.0	6682.9	3230.0	1802.3	1077.5	694.1
-42.5°	6368.0	7289.3	8165.6	9220.3	9437.1	8237.6	3738.6	2373.6	1510.8	961.0	637.9
-45°	5185.8	5671.9	6294.3	6944.5	6327.5	5003.8	2976.6	1970.2	1278.5	834.2	574.3
-47.5°	3836.5	4023.2	4208.9	4275.3	3980.7	2977.5	2360.5	1652.0	1116.2	753.6	518.8
-50°	2518.2	2632.6	2746.0	2657.7	2740.7	2415.6	1931.0	1357.8	941.2	660.2	472.5
-52.5°	1723.4	1802.0	1822.0	1891.2	1963.7	1847.0	1493.4	1112.0	791.6	559.5	423.4
-55°	1353.6	1316.5	1280.4	1267.6	1259.4	1306.0	1094.8	832.4	652.4	497.2	373.3
-57.5°	1147.7	1074.8	1021.5	949.9	959.5	902.9	771.8	663.1	516.2	433.1	335.2
-60°	991.9	935.3	875.0	815.5	755.5	677.3	590.0	515.4	446.1	371.1	295.5
-62.5°	859.5	809.1	752.4	699.9	634.8	558.6	502.5	437.8	381.6	323.7	255.4
-65°	729.2	687.8	636.0	593.9	542.7	486.8	436.4	380.8	328.7	276.1	224.9
-67.5°	610.3	575.0	529.3	491.9	452.1	411.4	369.1	325.3	277.8	235.1	193.6
-70°	505.6	474.2	432.4	403.8	375.1	338.0	308.6	270.3	232.8	198.3	162.7
-72.5°	411.6	385.0	353.3	328.2	304.8	277.5	251.3	223.3	192.9	162.5	138.5
-75°	319.1	302.9	279.8	261.1	238.6	222.0	204.3	179.7	155.9	134.6	113.8
-77.5°	240.6	223.6	213.4	203.5	189.0	174.0	159.4	143.0	124.8	106.6	91.4
-80°	176.3	168.9	160.1	152.8	143.6	133.7	121.8	108.6	94.9	83.7	73.4
-82.5°	122.7	121.7	116.2	109.6	102.7	96.4	87.9	80.2	70.9	62.9	55.2
-85°	78.6	80.2	76.6	72.4	68.2	63.6	58.4	53.3	46.7	41.9	36.9
-87.5°	40.7	41.0	38.8	36.4	34.0	31.6	29.1	26.7	23.4	21.0	18.5
-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: P902080 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-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°	17.4	13.9	10.7	7.8	5.2	2.6	0.0
85°	34.8	27.8	21.3	15.6	10.5	5.3	0.0
82.5°	52.1	41.5	31.9	23.3	15.7	7.9	0.0
80°	75.7	56.5	42.4	31.1	20.9	10.5	0.0
77.5°	99.7	74.7	53.7	38.7	26.1	13.1	0.0
75°	123.1	92.4	66.5	46.3	31.2	15.7	0.0
72.5°	151.5	109.6	79.1	55.1	36.2	18.2	0.0
70°	181.0	129.5	91.4	64.0	41.2	20.7	0.0
67.5°	209.7	152.3	103.5	72.7	46.1	23.2	0.0
65°	240.9	174.2	118.1	81.3	51.3	25.6	0.0
62.5°	275.0	195.2	134.9	89.6	56.6	28.0	0.0
60°	308.2	218.1	151.2	97.6	61.8	30.4	0.0
57.5°	340.2	243.6	167.1	105.6	66.9	32.6	0.0
55°	374.5	268.0	182.4	116.8	71.9	34.8	0.0
52.5°	406.9	291.2	198.0	127.6	76.6	37.0	0.0
50°	437.8	315.0	217.0	137.9	81.3	39.1	0.0
47.5°	468.3	341.2	235.0	147.7	85.7	41.1	0.0
45°	501.3	365.9	252.0	157.0	89.9	43.0	0.0
42.5°	530.1	389.1	268.1	165.8	94.0	44.9	0.0
40°	557.5	410.7	283.1	174.0	97.9	46.6	0.0
37.5°	586.3	430.7	297.2	181.5	101.5	48.3	0.0
35°	620.5	451.8	311.5	190.3	106.0	50.0	0.0
32.5°	655.2	472.5	325.4	199.1	110.4	51.6	0.0
30°	685.4	491.2	338.2	206.9	114.5	53.0	0.0
27.5°	711.2	507.9	349.3	213.8	118.0	54.3	0.0
25°	733.4	522.7	359.6	219.9	121.1	55.6	0.0
22.5°	752.3	535.8	369.1	225.0	123.8	56.7	0.0
20°	769.1	547.9	377.6	229.3	126.2	57.6	0.0
17.5°	786.4	558.1	385.1	233.2	128.3	58.5	0.0
15°	801.1	567.8	391.7	236.6	130.0	59.2	0.0
12.5°	812.5	576.6	396.7	239.3	131.3	59.9	0.0
10°	820.6	583.8	400.2	241.3	132.2	60.4	0.0
7.5°	828.0	589.6	402.3	242.5	132.9	60.7	0.0
5°	833.0	593.1	403.0	243.0	133.1	61.0	0.0
2.5°	834.7	594.5	402.4	242.8	133.0	61.1	0.0
0°	833.2	593.8	400.5	241.9	132.6	61.2	0.0
-2.5°	832.9	592.2	396.7	241.2	132.4	61.1	0.0
-5°	829.2	588.4	391.6	239.7	131.9	60.9	0.0
-7.5°	822.1	582.6	385.4	237.6	131.1	60.6	0.0
-10°	811.9	574.6	378.2	234.8	129.9	60.2	0.0
-12.5°	799.3	564.6	370.1	231.3	128.4	59.7	0.0
-15°	781.5	552.5	361.7	227.2	126.5	59.1	0.0
-17.5°	758.2	538.9	354.0	222.5	124.4	58.4	0.0
-20°	729.0	523.9	345.1	217.1	121.9	57.5	0.0



REPORT NUMBER: P902080 (CONVERTED FROM TYPE C PHOTOMETRY)
CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-WNB-LT

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	702.3	507.1	334.9	210.9	119.1	56.6	0.0
-25°	677.3	488.3	323.4	204.1	116.0	55.5	0.0
-27.5°	650.0	467.8	310.7	196.9	112.7	54.3	0.0
-30°	621.9	446.0	296.8	189.1	109.0	53.1	0.0
-32.5°	594.6	423.0	282.4	180.9	105.1	51.7	0.0
-35°	562.2	398.9	267.0	172.3	100.9	50.3	0.0
-37.5°	527.9	375.2	252.0	163.8	96.8	48.7	0.0
-40°	495.9	353.4	239.6	156.7	93.6	47.0	0.0
-42.5°	461.0	330.5	226.6	149.4	90.1	45.2	0.0
-45°	423.4	306.6	212.9	141.8	86.5	43.4	0.0
-47.5°	383.7	281.5	198.7	133.9	82.7	41.5	0.0
-50°	350.8	255.6	183.9	125.6	78.7	39.4	0.0
-52.5°	318.8	236.3	168.5	117.1	74.6	37.4	0.0
-55°	286.6	216.4	155.9	108.2	70.3	35.2	0.0
-57.5°	254.4	195.9	143.7	99.1	65.9	33.0	0.0
-60°	229.5	175.0	131.3	92.0	61.3	30.7	0.0
-62.5°	204.0	156.5	118.5	85.0	56.6	28.3	0.0
-65°	177.9	140.2	105.4	77.7	51.8	25.9	0.0
-67.5°	154.8	123.6	93.7	70.4	46.9	23.5	0.0
-70°	134.5	106.6	83.7	62.9	41.9	21.0	0.0
-72.5°	113.9	91.8	73.6	55.2	36.9	18.5	0.0
-75°	94.5	79.0	63.3	47.5	31.7	15.9	0.0
-77.5°	79.0	66.0	52.9	39.7	26.5	13.3	0.0
-80°	63.3	52.9	42.4	31.9	21.3	10.7	0.0
-82.5°	47.5	39.7	31.9	24.0	16.0	8.0	0.0
-85°	31.7	26.5	21.3	16.0	10.7	5.3	0.0
-87.5°	15.9	13.3	10.7	8.0	5.3	2.7	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)