

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: P902089 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-A55-MNB-LTM**

Issue Date: 11/13/2024

Test Information

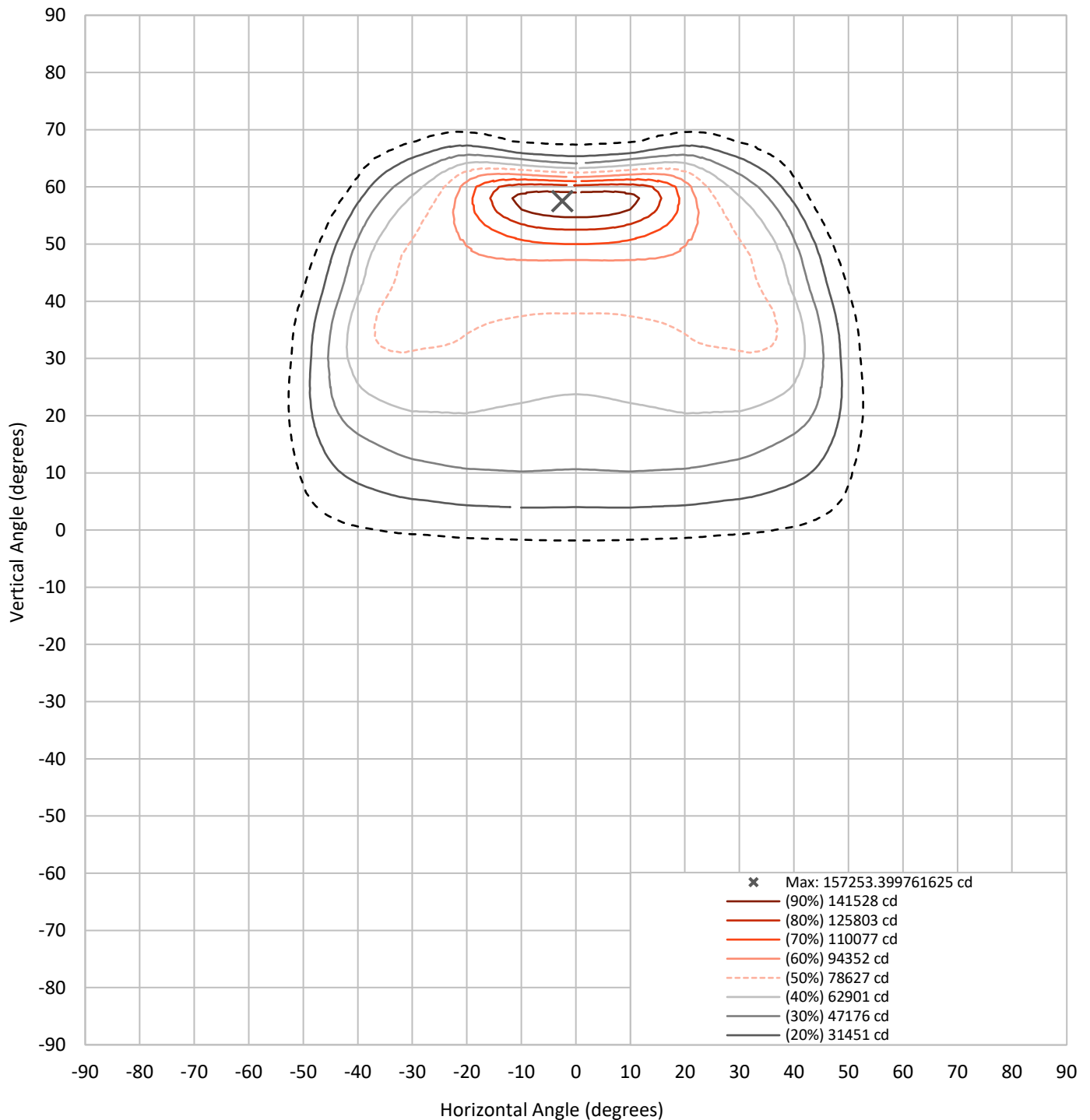
Test Method: LM-79-08
Report Number: P902089 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVM2I005U1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A55-MNB-LTM
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A55-MNB-LTM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	119829.6 lumens	Max Intensity:	157253.4 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 57.5°V
Efficacy:	84.8 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	52°H x 24.6°V	Field Angle (10%):	86.1°H x 69°V
Beam Lumens:	47979.9 lumens	Field Lumens:	112060.8 lumens
Beam Efficiency:	40.0%	Field Efficiency:	93.5%
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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CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MNB-LTM

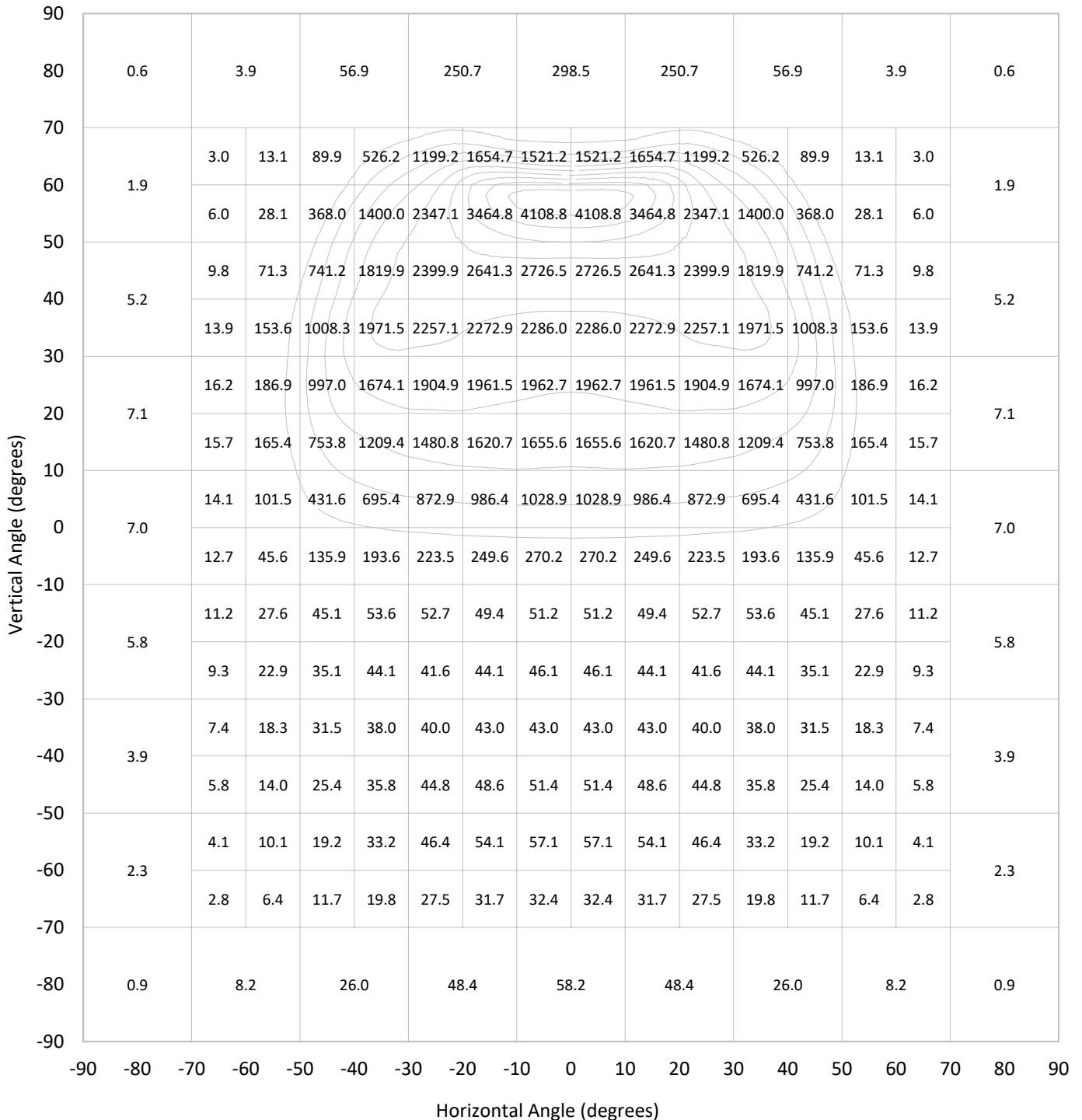
Iso-Candela Plot





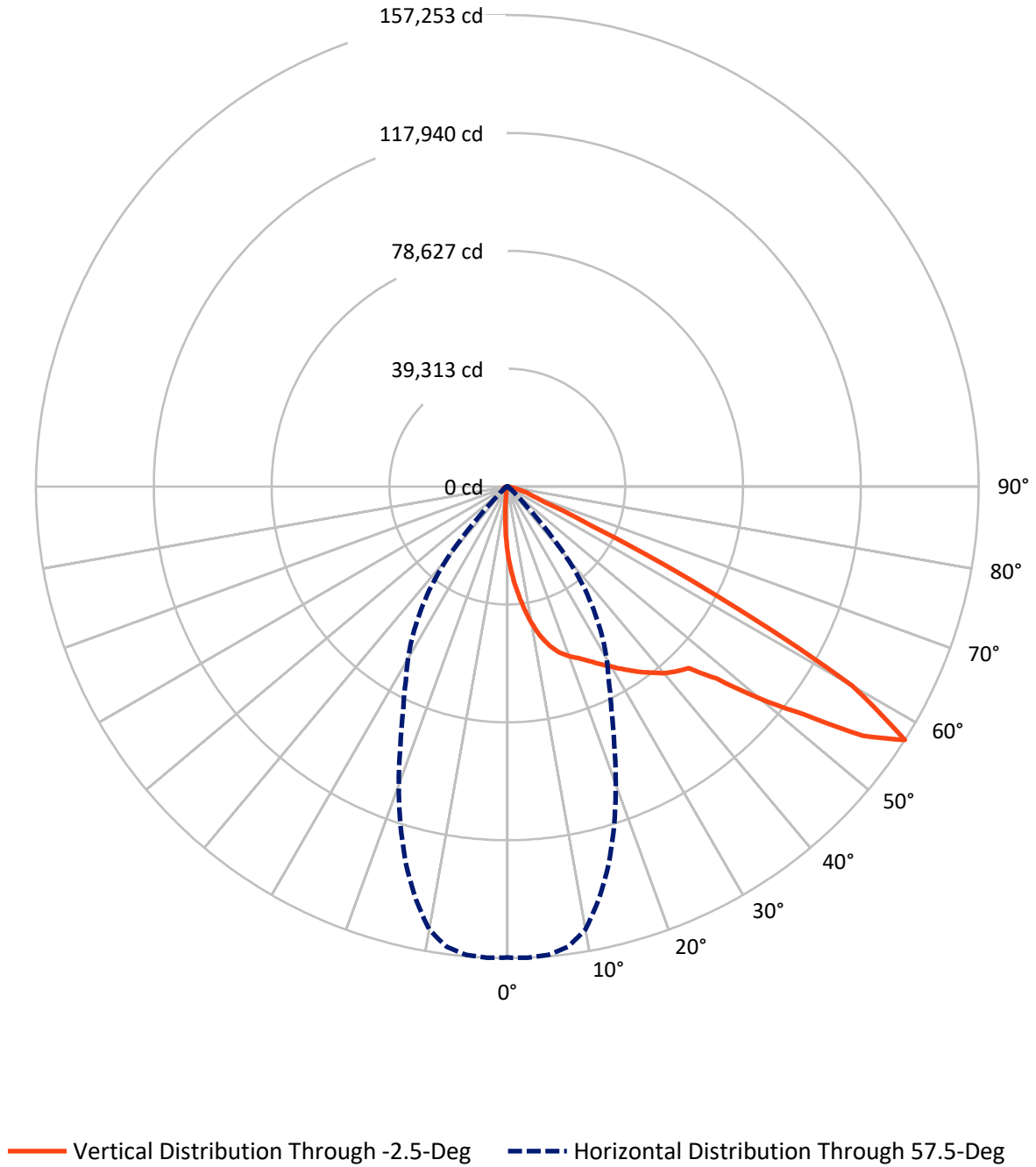
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Lumen Table



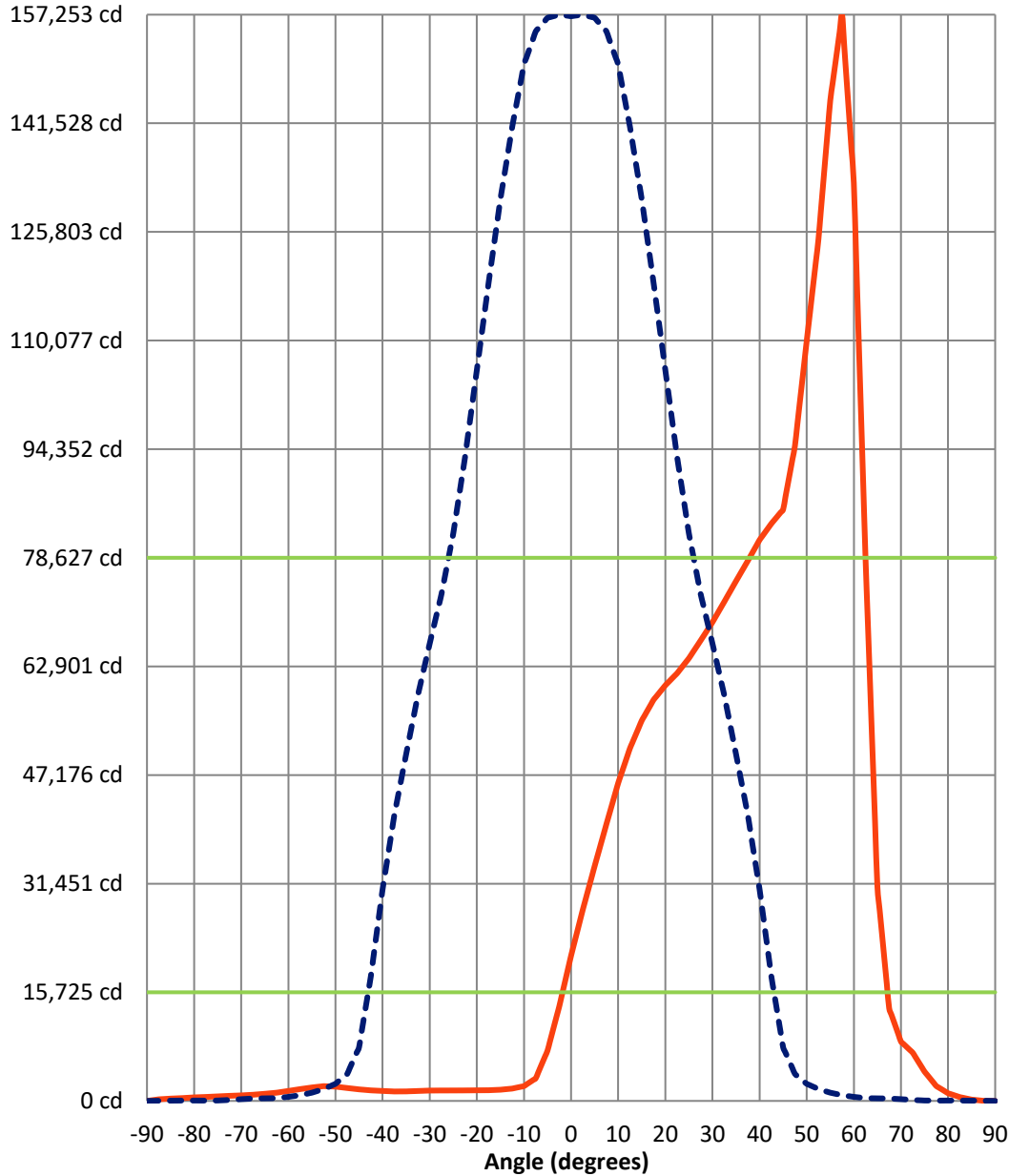
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Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
H Angle: 52°
V Angle: 24.6°
Lumens: 47979.9
Efficiency: 40.0%

Field:
H Angle: 86.1°
V Angle: 69°
Lumens: 112060.8
Efficiency: 93.5%

Spill:
Lumens: 7768.8
Efficiency: 6.5%

— Vertical Distribution through -2.5-Deg
- - - Horizontal Distribution through 57.5-Deg



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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MNB-LTM

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	1.8	3.6	5.3	7.1	8.9	10.6	12.3	14.0	15.7	17.3
85°	0.0	3.6	7.1	10.7	14.2	17.7	21.2	24.6	28.0	31.3	33.4
82.5°	0.0	5.3	10.7	16.0	21.3	26.5	31.7	34.3	36.2	38.0	39.6
80°	0.0	7.1	14.2	21.3	28.3	33.7	36.3	38.8	41.3	43.8	42.5
77.5°	0.0	8.9	17.7	26.5	33.7	36.8	40.1	43.3	43.5	40.6	32.6
75°	0.0	10.6	21.2	31.7	36.4	39.9	43.9	43.4	39.2	35.1	34.8
72.5°	0.0	12.3	24.6	35.1	39.2	42.9	41.5	40.6	35.6	58.3	67.8
70°	0.0	14.0	28.0	38.0	42.1	42.9	37.1	37.1	65.5	98.4	112.4
67.5°	0.0	15.7	31.3	40.9	45.1	39.6	32.7	51.1	95.8	149.6	182.2
65°	0.0	17.3	33.9	43.8	47.3	36.5	35.3	66.1	129.1	208.1	249.9
62.5°	0.0	18.9	35.9	46.6	49.3	33.7	45.1	79.2	172.5	261.1	303.2
60°	0.0	20.5	37.7	49.5	52.7	36.2	53.7	110.4	215.1	304.7	343.5
57.5°	0.0	22.0	39.5	52.5	57.5	45.3	61.2	141.7	256.1	348.6	374.7
55°	0.0	23.5	41.3	57.4	63.7	54.8	101.1	181.5	300.0	394.2	427.7
52.5°	0.0	25.0	42.9	62.4	72.4	64.9	134.1	231.1	346.5	439.2	523.2
50°	0.0	26.3	44.5	67.5	85.5	80.6	157.1	275.4	386.9	487.7	598.3
47.5°	0.0	27.7	46.0	72.8	97.7	98.4	171.6	312.8	427.8	544.3	670.4
45°	0.0	29.0	47.3	78.2	107.7	116.0	195.2	346.8	468.5	599.8	742.7
42.5°	0.0	30.2	48.6	83.6	117.7	133.4	223.1	379.2	511.8	656.3	811.0
40°	0.0	31.4	49.8	87.7	128.0	150.6	258.5	407.5	549.5	709.2	873.7
37.5°	0.0	32.5	50.9	90.7	138.2	167.4	292.6	432.0	581.6	749.9	931.1
35°	0.0	33.2	52.6	94.2	148.0	188.2	313.8	452.4	606.5	785.7	987.7
32.5°	0.0	33.8	54.3	97.6	157.3	207.9	328.6	469.2	629.5	813.8	1022.2
30°	0.0	34.3	55.9	100.3	166.3	224.6	340.7	483.5	647.8	829.1	1038.5
27.5°	0.0	34.7	57.5	102.3	168.4	238.4	353.5	495.5	662.4	838.2	1048.4
25°	0.0	35.2	59.1	103.7	169.4	249.4	365.4	505.4	673.0	849.8	1078.2
22.5°	0.0	35.6	60.5	104.5	170.0	256.4	375.6	514.7	679.2	864.3	1094.7
20°	0.0	35.9	61.7	104.7	170.3	258.0	384.1	522.7	685.4	870.7	1095.1
17.5°	0.0	36.2	62.9	106.3	170.2	258.4	388.2	528.3	691.8	874.7	1088.6
15°	0.0	36.5	63.8	108.2	169.7	258.5	389.8	532.5	695.5	880.4	1088.0
12.5°	0.0	36.7	64.7	109.8	169.8	258.5	390.4	534.6	694.2	881.8	1087.3
10°	0.0	36.9	65.3	111.1	169.5	259.5	389.8	533.8	687.9	872.5	1073.4
7.5°	0.0	37.1	65.9	112.1	168.5	261.0	388.6	530.3	678.4	859.1	1055.5
5°	0.0	37.2	66.2	112.9	166.9	261.0	386.2	525.1	668.4	843.5	1032.9
2.5°	0.0	37.2	66.5	113.3	164.8	259.7	382.0	517.7	656.7	825.6	1008.8
0°	0.0	37.3	66.6	113.5	162.2	257.3	376.2	508.5	642.6	803.8	981.8
-2.5°	0.0	37.2	66.4	113.8	163.3	256.5	371.6	499.4	638.1	794.7	965.1
-5°	0.0	37.2	66.1	113.8	164.0	254.7	365.8	488.4	631.2	782.6	945.6
-7.5°	0.0	37.1	65.7	113.5	164.2	251.8	359.3	475.4	620.4	765.8	923.8
-10°	0.0	36.9	65.1	112.8	164.1	247.6	352.0	464.1	603.7	745.8	897.2
-12.5°	0.0	36.7	64.4	111.7	163.6	242.0	341.9	452.6	584.9	724.0	869.2
-15°	0.0	36.5	63.6	110.3	162.4	235.7	329.7	440.3	564.5	697.6	843.9
-17.5°	0.0	36.2	62.6	108.4	159.9	230.0	315.1	425.6	543.4	669.4	811.5
-20°	0.0	35.9	61.5	105.9	156.5	224.3	298.8	407.6	521.6	639.6	770.4



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CANDELA DISTRIBUTION (continued):

	-90°	-87.5°	-85°	-82.5°	-80°	-77.5°	-75°	-72.5°	-70°	-67.5°	-65°
-22.5°	0.0	35.6	60.3	102.4	152.4	218.2	285.5	387.1	498.3	606.9	731.3
-25°	0.0	35.2	58.9	98.8	147.4	211.1	273.8	365.4	473.7	570.6	697.0
-27.5°	0.0	34.8	57.4	95.2	141.5	203.4	262.3	346.1	447.9	544.0	659.1
-30°	0.0	34.3	55.9	91.6	134.8	195.2	251.8	326.8	423.0	521.8	625.6
-32.5°	0.0	33.8	54.2	87.9	129.7	186.6	243.0	307.8	399.6	498.3	592.8
-35°	0.0	33.2	52.4	84.4	124.5	177.6	233.6	289.2	374.6	473.2	559.1
-37.5°	0.0	32.5	50.7	81.0	120.0	169.0	223.3	273.3	350.4	445.4	528.8
-40°	0.0	31.4	49.4	78.0	116.7	161.4	211.7	260.3	329.6	415.6	499.9
-42.5°	0.0	30.2	48.1	74.9	113.1	153.5	199.1	246.2	308.3	387.9	470.3
-45°	0.0	29.0	46.8	72.0	109.1	145.1	185.6	231.3	286.8	361.2	438.8
-47.5°	0.0	27.7	45.3	68.6	104.8	136.4	171.6	217.7	270.9	331.0	407.5
-50°	0.0	26.3	43.8	64.9	99.6	127.4	160.1	203.6	251.7	296.3	375.1
-52.5°	0.0	25.0	42.3	60.8	94.0	120.6	149.2	189.1	232.9	273.8	339.4
-55°	0.0	23.5	40.7	56.2	87.6	113.5	138.2	174.9	214.7	252.8	301.5
-57.5°	0.0	22.0	39.0	51.4	80.9	106.3	128.7	165.1	196.1	229.3	274.5
-60°	0.0	20.5	37.3	48.7	74.3	98.9	120.8	153.9	178.2	212.7	250.3
-62.5°	0.0	18.9	35.6	46.0	67.7	91.2	111.7	141.6	164.6	197.6	229.7
-65°	0.0	17.3	33.8	43.4	61.0	83.4	101.4	127.9	149.6	179.1	207.7
-67.5°	0.0	15.7	31.3	40.7	55.4	75.7	92.0	114.9	137.1	160.5	189.2
-70°	0.0	14.0	28.0	37.9	50.8	68.1	84.5	103.0	127.5	146.6	172.0
-72.5°	0.0	12.3	24.6	35.1	45.8	61.6	77.2	92.6	117.8	135.2	156.3
-75°	0.0	10.6	21.2	31.7	40.5	56.4	69.8	81.1	100.4	120.4	140.9
-77.5°	0.0	8.9	17.7	26.5	34.9	51.3	61.8	69.7	81.8	102.3	120.0
-80°	0.0	7.1	14.2	21.3	28.3	46.2	53.3	59.4	67.2	84.3	96.0
-82.5°	0.0	5.3	10.7	16.0	21.3	36.4	44.0	49.0	54.2	64.3	77.7
-85°	0.0	3.6	7.1	10.7	14.2	24.5	29.4	34.2	38.9	43.5	61.4
-87.5°	0.0	1.8	3.6	5.3	7.1	12.3	14.7	17.1	19.4	21.8	31.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MNB-LTM

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	18.9	20.5	22.0	23.5	25.0	26.3	27.7	29.0	30.2	26.2	27.1
85°	34.6	35.7	38.9	40.7	42.3	43.8	45.3	48.8	50.5	53.5	54.0
82.5°	41.3	43.0	50.1	46.9	43.5	38.3	36.3	39.6	34.7	49.9	34.6
80°	37.3	32.6	29.0	26.9	24.7	24.5	35.4	46.5	32.8	31.1	36.3
77.5°	23.7	21.9	27.0	41.6	41.8	41.9	90.6	96.8	92.4	102.6	110.5
75°	37.7	33.7	40.9	95.7	126.7	198.4	246.6	253.4	313.1	433.5	644.7
72.5°	62.6	66.6	113.8	202.4	275.0	387.8	483.9	616.0	865.6	1298.1	2229.3
70°	121.8	120.4	216.7	367.1	480.7	682.7	985.3	1304.6	1987.7	2937.2	4087.6
67.5°	182.6	233.8	379.6	518.9	731.0	1023.5	1578.6	2487.8	3636.8	5106.0	6763.0
65°	231.8	328.6	485.5	638.3	947.0	1219.5	2117.4	3446.0	5161.4	8156.4	13393.6
62.5°	280.0	406.3	587.9	816.1	1172.4	1657.3	2634.5	4080.5	6519.9	13295.0	22773.8
60°	336.1	487.8	712.6	1009.6	1462.6	2086.2	3016.6	5280.3	10662.1	21121.4	32770.1
57.5°	396.3	588.5	825.2	1194.2	1717.3	2479.8	3920.9	7759.2	18017.3	30637.3	41406.8
55°	487.7	680.9	900.1	1337.5	1976.1	2999.2	5821.4	13019.7	26194.9	38967.8	48222.8
52.5°	577.4	774.2	988.6	1471.4	2285.3	3880.3	8490.7	20073.1	33243.9	44107.1	53980.5
50°	702.5	881.5	1082.7	1637.2	2866.1	5270.2	13147.5	26265.4	38716.2	48902.8	59855.8
47.5°	809.4	1003.9	1147.3	2035.9	3751.5	7976.8	18400.2	31252.3	42263.1	53395.6	64936.4
45°	893.4	1082.6	1331.8	2474.6	5047.2	11806.0	22295.5	34302.5	45022.3	56748.4	67577.1
42.5°	966.7	1116.6	1657.1	3074.6	6611.3	14994.1	25778.7	36831.8	48300.5	60118.8	69633.1
40°	1049.7	1261.1	2065.2	3860.7	8482.6	18041.7	29023.4	40512.5	52541.4	64593.4	73474.7
37.5°	1166.6	1489.3	3004.2	5437.8	10908.1	20921.8	32086.0	44086.0	57611.1	68603.7	76706.2
35°	1248.1	1755.8	3887.4	6319.1	12734.3	23341.4	34532.2	46996.0	59645.4	71150.1	78243.2
32.5°	1306.9	2190.5	3936.3	6751.8	13666.5	24326.6	35775.9	48900.8	60985.9	71845.1	77665.7
30°	1330.4	2368.1	3696.8	6565.1	14298.2	24902.4	36331.3	49929.2	60852.1	68765.6	73789.8
27.5°	1379.8	2338.7	3778.2	7208.3	15185.4	25795.1	37113.9	48387.4	58616.7	65485.3	69876.0
25°	1466.6	2385.3	3801.9	7808.2	15982.8	26256.9	37376.3	47899.6	56425.4	62265.9	65768.1
22.5°	1502.7	2361.2	3707.0	7836.4	16224.1	26084.3	36448.7	45794.8	53174.4	58180.0	61198.3
20°	1474.4	2285.5	3718.9	8158.3	15960.4	25259.2	34657.6	42957.0	49348.0	53577.1	56341.1
17.5°	1459.4	2163.1	3681.6	7939.4	15263.4	23838.9	32379.8	39493.8	44859.5	48524.9	51204.4
15°	1430.4	2046.5	3421.0	7315.1	14161.8	21919.7	29631.2	35839.0	40525.2	43781.5	46288.3
12.5°	1392.8	1905.3	3051.0	6475.0	12745.6	20074.0	26833.7	32339.1	36449.8	39293.5	41581.0
10°	1337.7	1808.8	2732.4	5720.5	10957.0	17545.1	23891.4	28763.3	32266.9	34843.1	36940.7
7.5°	1295.3	1708.4	2498.6	5143.4	9914.7	15374.1	20765.6	24831.5	27908.0	30223.6	32101.6
5°	1243.9	1609.1	2296.0	4444.0	8531.5	13182.6	17265.6	20614.4	23211.0	25173.5	26761.8
2.5°	1216.9	1527.7	2086.3	3690.0	6891.9	10523.3	13586.0	16168.7	18239.4	19816.9	21107.5
0°	1186.8	1447.1	1893.5	2977.5	5254.1	7932.9	10022.9	11804.1	13274.0	14398.6	15350.5
-2.5°	1160.7	1432.5	1775.4	2495.7	4016.6	5816.4	7186.0	8301.4	9251.4	9908.4	10395.2
-5°	1131.0	1402.8	1665.4	2126.7	3096.2	4256.2	5140.5	5803.7	6364.4	6637.6	6733.8
-7.5°	1111.0	1349.5	1570.9	1874.8	2462.7	3195.9	3744.1	4107.8	4406.5	4479.5	4343.6
-10°	1084.5	1300.9	1497.5	1736.5	2062.2	2507.1	2828.3	2984.0	3105.2	3140.1	3042.0
-12.5°	1039.7	1254.0	1437.5	1631.5	1855.7	2072.7	2252.6	2317.6	2375.1	2382.6	2368.9
-15°	988.7	1202.8	1394.6	1551.6	1708.0	1835.6	1917.3	1955.6	1999.1	2044.9	2048.4
-17.5°	944.4	1145.2	1351.5	1494.1	1604.4	1702.1	1735.6	1784.8	1849.9	1886.5	1932.5
-20°	905.4	1099.3	1317.4	1450.2	1542.3	1615.8	1638.6	1698.5	1792.4	1839.6	1858.1



REPORT NUMBER: P902089 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MNB-LTM

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	870.4	1053.3	1259.7	1419.8	1495.2	1562.0	1592.5	1649.1	1730.7	1800.5	1812.4
-25°	830.4	1001.0	1191.4	1341.2	1437.0	1504.9	1551.9	1606.6	1709.8	1783.7	1815.3
-27.5°	778.9	942.3	1131.2	1275.0	1372.2	1447.5	1506.0	1566.4	1669.1	1775.3	1820.6
-30°	730.4	883.2	1066.7	1212.1	1326.2	1407.2	1467.0	1549.7	1651.1	1770.7	1791.6
-32.5°	693.4	823.5	985.1	1122.7	1255.8	1345.6	1417.7	1522.0	1621.8	1731.9	1698.7
-35°	658.5	762.0	917.2	1029.2	1180.0	1284.9	1364.7	1494.6	1590.2	1643.7	1567.4
-37.5°	621.7	718.9	842.3	961.0	1095.7	1218.7	1297.6	1418.7	1513.1	1522.4	1466.4
-40°	586.9	680.3	775.3	909.9	1013.7	1149.5	1242.9	1339.7	1384.8	1379.5	1395.2
-42.5°	552.5	640.9	730.2	847.7	954.3	1065.2	1206.9	1268.0	1274.6	1298.0	1352.3
-45°	515.0	596.6	686.9	780.3	891.2	999.2	1124.4	1221.6	1203.8	1270.5	1326.8
-47.5°	476.8	552.9	639.0	730.7	837.7	954.8	1054.0	1122.2	1184.1	1265.3	1347.9
-50°	442.0	516.0	591.0	678.0	779.4	907.7	977.1	1040.2	1154.3	1273.5	1388.5
-52.5°	403.3	476.9	543.2	622.7	709.5	817.4	893.6	978.4	1097.5	1228.0	1358.6
-55°	364.0	432.4	489.0	565.2	649.5	724.4	784.0	878.3	993.7	1115.5	1247.8
-57.5°	324.2	386.0	440.6	506.6	581.1	642.0	682.7	763.2	880.2	998.7	1100.5
-60°	293.1	344.9	393.5	456.7	512.3	558.3	602.3	677.7	767.2	869.2	966.4
-62.5°	265.0	308.6	347.6	408.7	471.0	491.6	532.2	598.9	672.9	759.5	839.1
-65°	239.9	271.9	310.8	360.5	423.8	427.8	470.5	526.6	593.6	656.1	725.7
-67.5°	217.2	248.5	282.7	325.7	370.9	373.1	411.8	463.8	524.5	569.3	627.7
-70°	199.5	226.9	256.8	293.3	325.6	333.2	365.8	417.5	460.5	503.0	555.1
-72.5°	182.8	204.4	228.6	262.7	295.9	311.5	334.4	367.4	397.7	432.8	477.2
-75°	164.0	180.5	200.4	235.8	263.7	294.8	328.1	351.2	352.8	370.1	413.0
-77.5°	142.2	157.9	175.0	205.2	226.8	256.4	285.9	314.9	315.1	322.9	353.9
-80°	113.9	130.6	146.8	171.2	195.4	211.6	236.6	266.3	266.9	278.6	297.6
-82.5°	88.4	102.3	116.2	138.1	149.8	162.3	182.6	213.9	212.9	218.9	231.9
-85°	66.1	72.3	79.2	91.1	110.2	117.4	128.2	152.5	152.9	159.8	175.6
-87.5°	34.7	37.6	40.4	43.1	66.3	70.2	73.8	80.4	97.2	121.8	131.7
-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: P902089 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MNB-LTM

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°	28.0	28.8	29.6	30.6	31.8	32.5	33.2	36.8	39.3	40.7	48.8
85°	53.3	50.8	50.9	57.8	68.1	68.8	69.2	86.9	100.9	116.2	168.9
82.5°	25.9	25.8	44.6	86.5	122.6	122.7	133.1	171.0	225.5	307.2	398.6
80°	52.0	72.1	139.4	273.2	394.6	477.5	508.1	658.7	797.1	929.9	910.9
77.5°	204.2	342.9	485.2	672.7	881.1	1095.7	1264.8	1614.1	1879.4	2078.3	2130.8
75°	1122.6	1679.8	1877.2	1898.4	2047.0	2386.6	2903.0	3703.6	4094.3	4251.7	4413.6
72.5°	3441.4	4105.3	4381.8	5145.4	6291.8	7026.1	7280.6	7289.1	7132.7	7031.3	7067.6
70°	5206.8	6274.9	7483.5	9632.9	12133.0	13742.5	13454.6	12294.6	10896.0	9695.5	9010.5
67.5°	8986.5	12704.4	16527.1	20299.3	24714.5	27458.8	27156.1	24567.9	21112.6	17758.7	15665.1
65°	19371.7	25958.7	32235.5	37566.6	43392.3	49675.6	53360.8	52779.4	48627.6	44437.2	40057.4
62.5°	31814.3	39462.3	46186.6	52811.5	61263.8	71821.9	82299.8	90025.7	92391.6	91389.2	88256.8
60°	42337.2	49897.8	57205.0	64900.8	74396.1	86601.8	101124.6	114222.5	123528.5	129968.3	133520.1
57.5°	50206.5	58758.1	66214.8	73373.5	82167.2	93220.0	105795.3	118453.4	130523.1	140990.1	150029.5
55°	57772.3	66217.4	72879.7	78881.0	85891.4	94647.4	103685.1	113066.3	121925.6	129413.5	135388.3
52.5°	64048.7	71379.7	76615.7	81603.5	86716.1	92806.5	98719.9	104583.4	110369.3	115298.5	119109.7
50°	69932.8	75553.1	79763.0	83634.0	87859.5	91393.8	94739.6	97707.5	100628.4	103589.1	106167.7
47.5°	73303.9	78419.6	82185.2	85421.5	88545.8	90572.2	91854.0	93293.6	94045.4	94484.8	94819.6
45°	74631.2	79271.7	82520.4	85359.0	87299.4	88080.4	88284.4	88513.7	88301.2	87560.5	86888.2
42.5°	76209.5	80517.1	83558.7	85871.5	87105.8	87295.7	87158.2	86395.0	86284.2	85500.2	84479.0
40°	79409.4	83532.3	86173.5	87131.6	88273.3	86390.7	84581.3	83541.5	82794.5	82070.5	81586.8
37.5°	82251.0	85565.6	85941.2	86399.7	86247.2	84015.5	81924.8	80520.4	79615.3	79138.7	78720.7
35°	82632.3	83452.7	83220.2	83295.2	82961.2	81422.5	79325.4	77985.5	77030.5	76460.7	76034.4
32.5°	80030.7	80687.9	80080.2	79565.8	79287.2	78383.9	76787.2	75499.3	74539.1	73852.8	73328.3
30°	76427.9	77330.7	76995.8	76278.0	75696.9	75067.4	74067.0	72973.6	71962.2	71214.3	70635.8
27.5°	72490.0	73673.4	73905.0	73381.4	72523.2	71930.2	71259.9	70239.4	69233.5	68515.1	68019.6
25°	68099.6	69504.0	70220.4	69905.4	69179.2	68734.2	68243.5	67351.0	66509.8	65908.3	65432.1
22.5°	63340.6	65020.5	66041.3	65926.6	65627.1	65532.4	65204.3	64567.5	63980.4	63511.6	63121.7
20°	58500.6	60359.5	61537.5	61827.9	61995.6	62352.9	62403.7	62052.4	61632.3	61366.9	61140.8
17.5°	53486.1	55580.2	57134.9	57620.3	58259.2	59045.8	59423.0	59289.2	59163.4	59100.8	59079.9
15°	48564.4	50736.0	52382.8	53220.4	54104.2	55131.2	55692.1	55833.3	55944.9	56074.5	56016.2
12.5°	43729.9	45844.9	47426.5	48343.6	49383.1	50437.8	51021.1	51362.8	51579.6	51809.5	51930.9
10°	38880.5	40757.6	42099.3	42965.8	43935.1	44904.1	45570.5	45870.6	46114.9	46435.8	46645.2
7.5°	33763.6	35341.4	36433.0	37162.8	38036.2	38912.8	39530.2	39803.6	40011.1	40306.5	40548.0
5°	28239.3	29587.5	30494.6	31068.3	31876.9	32674.9	33231.1	33477.8	33708.1	33998.6	34231.6
2.5°	22334.1	23433.6	24176.6	24691.2	25378.0	26147.5	26745.5	27021.7	27269.2	27534.4	27753.5
0°	16211.1	16994.1	17537.6	17917.4	18486.8	19209.8	19795.8	20087.1	20303.4	20528.4	20784.3
-2.5°	10763.4	11107.0	11323.3	11401.9	11745.7	12210.5	12560.8	12739.8	12886.0	13110.4	13371.4
-5°	6683.5	6617.2	6580.6	6404.9	6462.3	6573.8	6606.7	6577.3	6612.3	6743.3	6689.9
-7.5°	4190.5	4008.5	3806.9	3700.5	3605.2	3488.2	3357.1	3257.9	3210.7	2910.8	3240.6
-10°	2903.4	2680.7	2571.2	2481.5	2405.6	2333.4	2252.9	2187.9	2173.0	2075.6	2092.9
-12.5°	2260.9	2196.4	2105.7	2065.2	2021.0	1963.0	1928.9	1845.5	1671.2	1670.6	1708.0
-15°	2025.8	2027.1	2008.1	1950.9	1877.3	1811.8	1709.4	1588.0	1595.6	1597.1	1594.8
-17.5°	1943.5	1948.1	1964.3	1896.4	1759.9	1615.9	1521.7	1537.7	1532.6	1551.7	1543.0
-20°	1859.1	1880.4	1884.9	1777.0	1571.1	1460.6	1480.0	1483.9	1503.6	1517.8	1529.0



REPORT NUMBER: P902089 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MNB-LTM

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	1808.5	1807.0	1754.2	1591.6	1451.1	1445.9	1458.1	1470.0	1489.7	1504.5	1526.5
-25°	1784.8	1725.8	1620.4	1483.7	1445.7	1441.3	1458.6	1473.7	1486.7	1503.2	1530.6
-27.5°	1803.8	1683.9	1571.1	1500.6	1467.5	1450.8	1472.0	1495.1	1512.0	1532.3	1533.3
-30°	1715.1	1591.5	1572.3	1534.7	1471.5	1453.4	1486.4	1508.3	1512.3	1540.6	1532.1
-32.5°	1576.5	1508.5	1505.6	1482.5	1433.0	1424.2	1457.9	1491.7	1499.9	1498.8	1491.3
-35°	1452.1	1444.0	1451.5	1436.6	1403.2	1396.5	1418.4	1469.3	1475.5	1451.6	1425.4
-37.5°	1422.8	1424.4	1463.7	1467.6	1428.4	1409.1	1441.4	1452.3	1440.1	1431.9	1410.7
-40°	1391.2	1443.1	1513.7	1518.2	1477.7	1445.2	1439.7	1434.1	1432.7	1430.8	1423.5
-42.5°	1395.7	1468.6	1542.4	1545.6	1507.9	1491.7	1476.5	1482.6	1473.2	1494.1	1503.5
-45°	1403.5	1497.3	1571.4	1605.6	1599.3	1592.7	1591.7	1613.2	1620.0	1633.1	1632.6
-47.5°	1446.5	1559.9	1654.0	1707.5	1736.2	1754.6	1759.6	1778.4	1818.9	1816.1	1830.6
-50°	1510.6	1621.3	1730.9	1809.0	1859.1	1897.5	1927.7	1974.9	2004.3	2016.9	2037.8
-52.5°	1490.3	1596.3	1742.6	1817.0	1890.3	1951.0	1978.3	2015.6	2055.3	2077.4	2089.0
-55°	1380.1	1474.8	1571.8	1668.2	1736.2	1820.3	1856.4	1882.4	1909.2	1914.2	1945.5
-57.5°	1171.1	1288.1	1404.5	1486.6	1530.5	1571.6	1608.2	1648.0	1711.7	1745.5	1724.6
-60°	1065.5	1124.4	1188.6	1271.0	1337.6	1389.3	1436.2	1454.1	1448.7	1451.0	1452.7
-62.5°	917.3	981.0	1040.9	1105.0	1152.6	1207.0	1205.6	1214.8	1236.9	1239.7	1232.4
-65°	775.8	825.9	879.7	936.4	991.7	1024.6	1036.8	1046.1	1053.7	1050.9	1047.5
-67.5°	670.2	714.8	759.0	803.1	844.9	874.1	896.1	911.0	918.6	917.2	909.7
-70°	586.3	623.9	663.4	700.3	735.2	765.4	788.7	804.1	812.2	813.6	817.3
-72.5°	514.4	542.3	577.8	605.3	626.4	654.9	685.9	702.7	710.7	718.7	728.8
-75°	438.3	460.1	492.5	513.8	536.0	561.7	587.4	600.5	620.9	630.8	636.9
-77.5°	373.2	394.5	417.7	438.7	461.7	476.5	490.1	512.3	529.2	542.3	554.6
-80°	317.6	337.4	364.5	380.1	392.8	412.1	431.6	444.4	464.0	479.9	486.2
-82.5°	259.0	270.5	304.8	313.8	322.5	334.1	356.6	369.1	379.7	398.7	405.1
-85°	203.0	207.4	238.6	242.0	258.1	265.8	296.0	304.8	305.9	322.2	328.0
-87.5°	146.8	148.6	152.5	167.4	171.4	185.0	204.2	206.8	222.6	227.7	231.5
-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: P902089 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MNB-LTM

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°	56.4	40.7	22.8	22.9	22.8	40.7	56.4	48.8	40.7	39.3	36.8
85°	204.7	201.3	191.9	195.5	191.9	201.3	204.7	168.9	116.2	100.9	86.9
82.5°	466.8	523.0	555.1	559.5	555.1	523.0	466.8	398.6	307.2	225.5	171.0
80°	1019.0	1042.4	1114.4	1105.3	1114.4	1042.4	1019.0	910.9	929.9	797.1	658.7
77.5°	2214.6	2186.6	2158.9	2071.8	2158.9	2186.6	2214.6	2130.8	2078.3	1879.4	1614.1
75°	4481.6	4402.3	4252.9	4188.3	4252.9	4402.3	4481.6	4413.6	4251.7	4094.3	3703.6
72.5°	7101.9	7063.2	6982.7	6949.3	6982.7	7063.2	7101.9	7067.6	7031.3	7132.7	7289.1
70°	8771.9	8649.5	8594.9	8550.0	8594.9	8649.5	8771.9	9010.5	9695.5	10896.0	12294.6
67.5°	14521.8	13838.2	13419.3	13220.1	13419.3	13838.2	14521.8	15665.1	17758.7	21112.6	24567.9
65°	36204.3	33229.5	31065.7	30040.1	31065.7	33229.5	36204.3	40057.4	44437.2	48627.6	52779.4
62.5°	84615.9	81275.1	78313.0	76689.2	78313.0	81275.1	84615.9	88256.8	91389.2	92391.6	90025.7
60°	134742.5	134371.1	132921.7	131765.5	132921.7	134371.1	134742.5	133520.1	129968.3	123528.5	114222.5
57.5°	154831.2	156792.2	157253.4	157030.1	157253.4	156792.2	154831.2	150029.5	140990.1	130523.1	118453.4
55°	140138.6	143303.5	144821.7	145177.6	144821.7	143303.5	140138.6	135388.3	129413.5	121925.6	113066.3
52.5°	122114.2	123986.0	124752.4	124859.3	124752.4	123986.0	122114.2	119109.7	115298.5	110369.3	104583.4
50°	108260.7	109448.6	109981.9	110010.4	109981.9	109448.6	108260.7	106167.7	103589.1	100628.4	97707.5
47.5°	94977.0	95024.0	94802.6	94642.9	94802.6	95024.0	94977.0	94819.6	94484.8	94045.4	93293.6
45°	86619.0	86084.4	85619.3	85350.0	85619.3	86084.4	86619.0	86888.2	87560.5	88301.2	88513.7
42.5°	83871.0	83582.8	83568.3	83556.8	83568.3	83582.8	83871.0	84479.0	85500.2	86284.2	86395.0
40°	81212.1	81123.2	81207.0	81194.8	81207.0	81123.2	81212.1	81586.8	82070.5	82794.5	83541.5
37.5°	78308.0	78155.5	78184.5	78172.7	78184.5	78155.5	78308.0	78720.7	79138.7	79615.3	80520.4
35°	75545.6	75288.4	75247.2	75225.0	75247.2	75288.4	75545.6	76034.4	76460.7	77030.5	77985.5
32.5°	72762.4	72376.3	72250.6	72207.0	72250.6	72376.3	72762.4	73328.3	73852.8	74539.1	75499.3
30°	70062.3	69576.1	69298.0	69236.6	69298.0	69576.1	70062.3	70635.8	71214.3	71962.2	72973.6
27.5°	67488.6	66984.9	66656.9	66568.9	66656.9	66984.9	67488.6	68019.6	68515.1	69233.5	70239.4
25°	64878.1	64398.5	64074.9	63963.7	64074.9	64398.5	64878.1	65432.1	65908.3	66509.8	67351.0
22.5°	62674.9	62219.4	61907.2	61844.9	61907.2	62219.4	62674.9	63121.7	63511.6	63980.4	64567.5
20°	60774.9	60416.0	60161.6	60142.9	60161.6	60416.0	60774.9	61140.8	61366.9	61632.3	62052.4
17.5°	58650.0	58315.7	58057.6	57925.9	58057.6	58315.7	58650.0	59079.9	59100.8	59163.4	59289.2
15°	55688.4	55364.3	55062.7	54844.2	55062.7	55364.3	55688.4	56016.2	56074.5	55944.9	55833.3
12.5°	51675.7	51346.7	51058.5	50862.9	51058.5	51346.7	51675.7	51930.9	51809.5	51579.6	51362.8
10°	46519.8	46220.5	46026.3	45899.0	46026.3	46220.5	46519.8	46645.2	46435.8	46114.9	45870.6
7.5°	40532.1	40303.6	40072.4	39996.0	40072.4	40303.6	40532.1	40548.0	40306.5	40011.1	39803.6
5°	34278.2	34144.4	33994.5	33955.4	33994.5	34144.4	34278.2	34231.6	33998.6	33708.1	33477.8
2.5°	27807.7	27805.7	27720.0	27671.1	27720.0	27805.7	27807.7	27753.5	27534.4	27269.2	27021.7
0°	20919.1	20992.9	21035.9	21070.1	21035.9	20992.9	20919.1	20784.3	20528.4	20303.4	20087.1
-2.5°	13600.3	13711.0	13712.4	13766.1	13712.4	13711.0	13600.3	13371.4	13110.4	12886.0	12739.8
-5°	7079.4	7239.9	7286.6	7380.3	7286.6	7239.9	7079.4	6689.9	6743.3	6612.3	6577.3
-7.5°	3259.2	3380.3	3275.7	3453.1	3275.7	3380.3	3259.2	3240.6	2910.8	3210.7	3257.9
-10°	2063.3	2130.8	2142.6	2144.3	2142.6	2130.8	2063.3	2092.9	2075.6	2173.0	2187.9
-12.5°	1749.8	1779.9	1787.4	1790.4	1787.4	1779.9	1749.8	1708.0	1670.6	1671.2	1845.5
-15°	1611.4	1623.0	1622.2	1628.3	1622.2	1623.0	1611.4	1594.8	1597.1	1595.6	1588.0
-17.5°	1552.0	1542.1	1548.7	1553.7	1548.7	1542.1	1552.0	1543.0	1551.7	1532.6	1537.7
-20°	1533.6	1534.4	1537.2	1538.2	1537.2	1534.4	1533.6	1529.0	1517.8	1503.6	1483.9



REPORT NUMBER: P902089 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MNB-LTM

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	1526.4	1526.5	1521.1	1520.1	1521.1	1526.5	1526.4	1526.5	1504.5	1489.7	1470.0
-25°	1526.8	1518.3	1513.9	1514.0	1513.9	1518.3	1526.8	1530.6	1503.2	1486.7	1473.7
-27.5°	1520.0	1517.7	1511.1	1509.4	1511.1	1517.7	1520.0	1533.3	1532.3	1512.0	1495.1
-30°	1507.4	1499.1	1501.5	1510.0	1501.5	1499.1	1507.4	1532.1	1540.6	1512.3	1508.3
-32.5°	1446.8	1424.6	1439.6	1438.7	1439.6	1424.6	1446.8	1491.3	1498.8	1499.9	1491.7
-35°	1389.2	1377.8	1379.4	1387.8	1379.4	1377.8	1389.2	1425.4	1451.6	1475.5	1469.3
-37.5°	1380.9	1373.4	1368.7	1366.3	1368.7	1373.4	1380.9	1410.7	1431.9	1440.1	1452.3
-40°	1409.8	1429.6	1446.2	1452.6	1446.2	1429.6	1409.8	1423.5	1430.8	1432.7	1434.1
-42.5°	1518.5	1524.6	1528.6	1504.8	1528.6	1524.6	1518.5	1503.5	1494.1	1473.2	1482.6
-45°	1666.9	1666.3	1674.5	1686.0	1674.5	1666.3	1666.9	1632.6	1633.1	1620.0	1613.2
-47.5°	1840.9	1869.8	1867.6	1857.6	1867.6	1869.8	1840.9	1830.6	1816.1	1818.9	1778.4
-50°	2054.0	2066.7	2072.9	2051.9	2072.9	2066.7	2054.0	2037.8	2016.9	2004.3	1974.9
-52.5°	2094.9	2128.6	2139.9	2146.1	2139.9	2128.6	2094.9	2089.0	2077.4	2055.3	2015.6
-55°	1960.5	1947.9	1948.2	1957.2	1948.2	1947.9	1960.5	1945.5	1914.2	1909.2	1882.4
-57.5°	1715.7	1702.8	1710.6	1713.2	1710.6	1702.8	1715.7	1724.6	1745.5	1711.7	1648.0
-60°	1438.0	1445.4	1446.4	1447.5	1446.4	1445.4	1438.0	1452.7	1451.0	1448.7	1454.1
-62.5°	1223.3	1215.8	1193.1	1199.9	1193.1	1215.8	1223.3	1232.4	1239.7	1236.9	1214.8
-65°	1042.8	1039.2	1034.8	1035.6	1034.8	1039.2	1042.8	1047.5	1050.9	1053.7	1046.1
-67.5°	910.9	906.8	897.3	892.7	897.3	906.8	910.9	909.7	917.2	918.6	911.0
-70°	812.1	812.9	801.3	800.9	801.3	812.9	812.1	817.3	813.6	812.2	804.1
-72.5°	732.3	733.9	736.5	737.1	736.5	733.9	732.3	728.8	718.7	710.7	702.7
-75°	645.7	655.9	657.9	658.4	657.9	655.9	645.7	636.9	630.8	620.9	600.5
-77.5°	561.1	573.7	577.8	578.3	577.8	573.7	561.1	554.6	542.3	529.2	512.3
-80°	493.7	503.7	514.5	515.1	514.5	503.7	493.7	486.2	479.9	464.0	444.4
-82.5°	409.7	410.9	411.6	411.8	411.6	410.9	409.7	405.1	398.7	379.7	369.1
-85°	335.1	335.8	336.2	336.4	336.2	335.8	335.1	328.0	322.2	305.9	304.8
-87.5°	233.1	233.7	234.1	234.2	234.1	233.7	233.1	231.5	227.7	222.6	206.8
-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: P902089 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MNB-LTM

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	33.2	32.5	31.8	30.6	29.6	28.8	28.0	27.1	26.2	30.2	29.0
85°	69.2	68.8	68.1	57.8	50.9	50.8	53.3	54.0	53.5	50.5	48.8
82.5°	133.1	122.7	122.6	86.5	44.6	25.8	25.9	34.6	49.9	34.7	39.6
80°	508.1	477.5	394.6	273.2	139.4	72.1	52.0	36.3	31.1	32.8	46.5
77.5°	1264.8	1095.7	881.1	672.7	485.2	342.9	204.2	110.5	102.6	92.4	96.8
75°	2903.0	2386.6	2047.0	1898.4	1877.2	1679.8	1122.6	644.7	433.5	313.1	253.4
72.5°	7280.6	7026.1	6291.8	5145.4	4381.8	4105.3	3441.4	2229.3	1298.1	865.6	616.0
70°	13454.6	13742.5	12133.0	9632.9	7483.5	6274.9	5206.8	4087.6	2937.2	1987.7	1304.6
67.5°	27156.1	27458.8	24714.5	20299.3	16527.1	12704.4	8986.5	6763.0	5106.0	3636.8	2487.8
65°	53360.8	49675.6	43392.3	37566.6	32235.5	25958.7	19371.7	13393.6	8156.4	5161.4	3446.0
62.5°	82299.8	71821.9	61263.8	52811.5	46186.6	39462.3	31814.3	22773.8	13295.0	6519.9	4080.5
60°	101124.6	86601.8	74396.1	64900.8	57205.0	49897.8	42337.2	32770.1	21121.4	10662.1	5280.3
57.5°	105795.3	93220.0	82167.2	73373.5	66214.8	58758.1	50206.5	41406.8	30637.3	18017.3	7759.2
55°	103685.1	94647.4	85891.4	78881.0	72879.7	66217.4	57772.3	48222.8	38967.8	26194.9	13019.7
52.5°	98719.9	92806.5	86716.1	81603.5	76615.7	71379.7	64048.7	53980.5	44107.1	33243.9	20073.1
50°	94739.6	91393.8	87859.5	83634.0	79763.0	75553.1	69932.8	59855.8	48902.8	38716.2	26265.4
47.5°	91854.0	90572.2	88545.8	85421.5	82185.2	78419.6	73303.9	64936.4	53395.6	42263.1	31252.3
45°	88284.4	88080.4	87299.4	85359.0	82520.4	79271.7	74631.2	67577.1	56748.4	45022.3	34302.5
42.5°	87158.2	87295.7	87105.8	85871.5	83558.7	80517.1	76209.5	69633.1	60118.8	48300.5	36831.8
40°	84581.3	86390.7	88273.3	87131.6	86173.5	83532.3	79409.4	73474.7	64593.4	52541.4	40512.5
37.5°	81924.8	84015.5	86247.2	86399.7	85941.2	85565.6	82251.0	76706.2	68603.7	57611.1	44086.0
35°	79325.4	81422.5	82961.2	83295.2	83220.2	83452.7	82632.3	78243.2	71150.1	59645.4	46996.0
32.5°	76787.2	78383.9	79287.2	79565.8	80080.2	80687.9	80030.7	77665.7	71845.1	60985.9	48900.8
30°	74067.0	75067.4	75696.9	76278.0	76995.8	77330.7	76427.9	73789.8	68765.6	60852.1	49929.2
27.5°	71259.9	71930.2	72523.2	73381.4	73905.0	73673.4	72490.0	69876.0	65485.3	58616.7	48387.4
25°	68243.5	68734.2	69179.2	69905.4	70220.4	69504.0	68099.6	65768.1	62265.9	56425.4	47899.6
22.5°	65204.3	65532.4	65627.1	65926.6	66041.3	65020.5	63340.6	61198.3	58180.0	53174.4	45794.8
20°	62403.7	62352.9	61995.6	61827.9	61537.5	60359.5	58500.6	56341.1	53577.1	49348.0	42957.0
17.5°	59423.0	59045.8	58259.2	57620.3	57134.9	55580.2	53486.1	51204.4	48524.9	44859.5	39493.8
15°	55692.1	55131.2	54104.2	53220.4	52382.8	50736.0	48564.4	46288.3	43781.5	40525.2	35839.0
12.5°	51021.1	50437.8	49383.1	48343.6	47426.5	45844.9	43729.9	41581.0	39293.5	36449.8	32339.1
10°	45570.5	44904.1	43935.1	42965.8	42099.3	40757.6	38880.5	36940.7	34843.1	32266.9	28763.3
7.5°	39530.2	38912.8	38036.2	37162.8	36433.0	35341.4	33763.6	32101.6	30223.6	27908.0	24831.5
5°	33231.1	32674.9	31876.9	31068.3	30494.6	29587.5	28239.3	26761.8	25173.5	23211.0	20614.4
2.5°	26745.5	26147.5	25378.0	24691.2	24176.6	23433.6	22334.1	21107.5	19816.9	18239.4	16168.7
0°	19795.8	19209.8	18486.8	17917.4	17537.6	16994.1	16211.1	15350.5	14398.6	13274.0	11804.1
-2.5°	12560.8	12210.5	11745.7	11401.9	11323.3	11107.0	10763.4	10395.2	9908.4	9251.4	8301.4
-5°	6606.7	6573.8	6462.3	6404.9	6580.6	6617.2	6683.5	6733.8	6637.6	6364.4	5803.7
-7.5°	3357.1	3488.2	3605.2	3700.5	3806.9	4008.5	4190.5	4343.6	4479.5	4406.5	4107.8
-10°	2252.9	2333.4	2405.6	2481.5	2571.2	2680.7	2903.4	3042.0	3140.1	3105.2	2984.0
-12.5°	1928.9	1963.0	2021.0	2065.2	2105.7	2196.4	2260.9	2368.9	2382.6	2375.1	2317.6
-15°	1709.4	1811.8	1877.3	1950.9	2008.1	2027.1	2025.8	2048.4	2044.9	1999.1	1955.6
-17.5°	1521.7	1615.9	1759.9	1896.4	1964.3	1948.1	1943.5	1932.5	1886.5	1849.9	1784.8
-20°	1480.0	1460.6	1571.1	1777.0	1884.9	1880.4	1859.1	1858.1	1839.6	1792.4	1698.5



REPORT NUMBER: P902089 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MNB-LTM

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	1458.1	1445.9	1451.1	1591.6	1754.2	1807.0	1808.5	1812.4	1800.5	1730.7	1649.1
-25°	1458.6	1441.3	1445.7	1483.7	1620.4	1725.8	1784.8	1815.3	1783.7	1709.8	1606.6
-27.5°	1472.0	1450.8	1467.5	1500.6	1571.1	1683.9	1803.8	1820.6	1775.3	1669.1	1566.4
-30°	1486.4	1453.4	1471.5	1534.7	1572.3	1591.5	1715.1	1791.6	1770.7	1651.1	1549.7
-32.5°	1457.9	1424.2	1433.0	1482.5	1505.6	1508.5	1576.5	1698.7	1731.9	1621.8	1522.0
-35°	1418.4	1396.5	1403.2	1436.6	1451.5	1444.0	1452.1	1567.4	1643.7	1590.2	1494.6
-37.5°	1441.4	1409.1	1428.4	1467.6	1463.7	1424.4	1422.8	1466.4	1522.4	1513.1	1418.7
-40°	1439.7	1445.2	1477.7	1518.2	1513.7	1443.1	1391.2	1395.2	1379.5	1384.8	1339.7
-42.5°	1476.5	1491.7	1507.9	1545.6	1542.4	1468.6	1395.7	1352.3	1298.0	1274.6	1268.0
-45°	1591.7	1592.7	1599.3	1605.6	1571.4	1497.3	1403.5	1326.8	1270.5	1203.8	1221.6
-47.5°	1759.6	1754.6	1736.2	1707.5	1654.0	1559.9	1446.5	1347.9	1265.3	1184.1	1122.2
-50°	1927.7	1897.5	1859.1	1809.0	1730.9	1621.3	1510.6	1388.5	1273.5	1154.3	1040.2
-52.5°	1978.3	1951.0	1890.3	1817.0	1742.6	1596.3	1490.3	1358.6	1228.0	1097.5	978.4
-55°	1856.4	1820.3	1736.2	1668.2	1571.8	1474.8	1380.1	1247.8	1115.5	993.7	878.3
-57.5°	1608.2	1571.6	1530.5	1486.6	1404.5	1288.1	1171.1	1100.5	998.7	880.2	763.2
-60°	1436.2	1389.3	1337.6	1271.0	1188.6	1124.4	1065.5	966.4	869.2	767.2	677.7
-62.5°	1205.6	1207.0	1152.6	1105.0	1040.9	981.0	917.3	839.1	759.5	672.9	598.9
-65°	1036.8	1024.6	991.7	936.4	879.7	825.9	775.8	725.7	656.1	593.6	526.6
-67.5°	896.1	874.1	844.9	803.1	759.0	714.8	670.2	627.7	569.3	524.5	463.8
-70°	788.7	765.4	735.2	700.3	663.4	623.9	586.3	555.1	503.0	460.5	417.5
-72.5°	685.9	654.9	626.4	605.3	577.8	542.3	514.4	477.2	432.8	397.7	367.4
-75°	587.4	561.7	536.0	513.8	492.5	460.1	438.3	413.0	370.1	352.8	351.2
-77.5°	490.1	476.5	461.7	438.7	417.7	394.5	373.2	353.9	322.9	315.1	314.9
-80°	431.6	412.1	392.8	380.1	364.5	337.4	317.6	297.6	278.6	266.9	266.3
-82.5°	356.6	334.1	322.5	313.8	304.8	270.5	259.0	231.9	218.9	212.9	213.9
-85°	296.0	265.8	258.1	242.0	238.6	207.4	203.0	175.6	159.8	152.9	152.5
-87.5°	204.2	185.0	171.4	167.4	152.5	148.6	146.8	131.7	121.8	97.2	80.4
-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: P902089 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MNB-LTM

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	27.7	26.3	25.0	23.5	22.0	20.5	18.9	17.3	15.7	14.0	12.3
85°	45.3	43.8	42.3	40.7	38.9	35.7	34.6	33.4	31.3	28.0	24.6
82.5°	36.3	38.3	43.5	46.9	50.1	43.0	41.3	39.6	38.0	36.2	34.3
80°	35.4	24.5	24.7	26.9	29.0	32.6	37.3	42.5	43.8	41.3	38.8
77.5°	90.6	41.9	41.8	41.6	27.0	21.9	23.7	32.6	40.6	43.5	43.3
75°	246.6	198.4	126.7	95.7	40.9	33.7	37.7	34.8	35.1	39.2	43.4
72.5°	483.9	387.8	275.0	202.4	113.8	66.6	62.6	67.8	58.3	35.6	40.6
70°	985.3	682.7	480.7	367.1	216.7	120.4	121.8	112.4	98.4	65.5	37.1
67.5°	1578.6	1023.5	731.0	518.9	379.6	233.8	182.6	182.2	149.6	95.8	51.1
65°	2117.4	1219.5	947.0	638.3	485.5	328.6	231.8	249.9	208.1	129.1	66.1
62.5°	2634.5	1657.3	1172.4	816.1	587.9	406.3	280.0	303.2	261.1	172.5	79.2
60°	3016.6	2086.2	1462.6	1009.6	712.6	487.8	336.1	343.5	304.7	215.1	110.4
57.5°	3920.9	2479.8	1717.3	1194.2	825.2	588.5	396.3	374.7	348.6	256.1	141.7
55°	5821.4	2999.2	1976.1	1337.5	900.1	680.9	487.7	427.7	394.2	300.0	181.5
52.5°	8490.7	3880.3	2285.3	1471.4	988.6	774.2	577.4	523.2	439.2	346.5	231.1
50°	13147.5	5270.2	2866.1	1637.2	1082.7	881.5	702.5	598.3	487.7	386.9	275.4
47.5°	18400.2	7976.8	3751.5	2035.9	1147.3	1003.9	809.4	670.4	544.3	427.8	312.8
45°	22295.5	11806.0	5047.2	2474.6	1331.8	1082.6	893.4	742.7	599.8	468.5	346.8
42.5°	25778.7	14994.1	6611.3	3074.6	1657.1	1116.6	966.7	811.0	656.3	511.8	379.2
40°	29023.4	18041.7	8482.6	3860.7	2065.2	1261.1	1049.7	873.7	709.2	549.5	407.5
37.5°	32086.0	20921.8	10908.1	5437.8	3004.2	1489.3	1166.6	931.1	749.9	581.6	432.0
35°	34532.2	23341.4	12734.3	6319.1	3887.4	1755.8	1248.1	987.7	785.7	606.5	452.4
32.5°	35775.9	24326.6	13666.5	6751.8	3936.3	2190.5	1306.9	1022.2	813.8	629.5	469.2
30°	36331.3	24902.4	14298.2	6565.1	3696.8	2368.1	1330.4	1038.5	829.1	647.8	483.5
27.5°	37113.9	25795.1	15185.4	7208.3	3778.2	2338.7	1379.8	1048.4	838.2	662.4	495.5
25°	37376.3	26256.9	15982.8	7808.2	3801.9	2385.3	1466.6	1078.2	849.8	673.0	505.4
22.5°	36448.7	26084.3	16224.1	7836.4	3707.0	2361.2	1502.7	1094.7	864.3	679.2	514.7
20°	34657.6	25259.2	15960.4	8158.3	3718.9	2285.5	1474.4	1095.1	870.7	685.4	522.7
17.5°	32379.8	23838.9	15263.4	7939.4	3681.6	2163.1	1459.4	1088.6	874.7	691.8	528.3
15°	29631.2	21919.7	14161.8	7315.1	3421.0	2046.5	1430.4	1088.0	880.4	695.5	532.5
12.5°	26833.7	20074.0	12745.6	6475.0	3051.0	1905.3	1392.8	1087.3	881.8	694.2	534.6
10°	23891.4	17545.1	10957.0	5720.5	2732.4	1808.8	1337.7	1073.4	872.5	687.9	533.8
7.5°	20765.6	15374.1	9914.7	5143.4	2498.6	1708.4	1295.3	1055.5	859.1	678.4	530.3
5°	17265.6	13182.6	8531.5	4444.0	2296.0	1609.1	1243.9	1032.9	843.5	668.4	525.1
2.5°	13586.0	10523.3	6891.9	3690.0	2086.3	1527.7	1216.9	1008.8	825.6	656.7	517.7
0°	10022.9	7932.9	5254.1	2977.5	1893.5	1447.1	1186.8	981.8	803.8	642.6	508.5
-2.5°	7186.0	5816.4	4016.6	2495.7	1775.4	1432.5	1160.7	965.1	794.7	638.1	499.4
-5°	5140.5	4256.2	3096.2	2126.7	1665.4	1402.8	1131.0	945.6	782.6	631.2	488.4
-7.5°	3744.1	3195.9	2462.7	1874.8	1570.9	1349.5	1111.0	923.8	765.8	620.4	475.4
-10°	2828.3	2507.1	2062.2	1736.5	1497.5	1300.9	1084.5	897.2	745.8	603.7	464.1
-12.5°	2252.6	2072.7	1855.7	1631.5	1437.5	1254.0	1039.7	869.2	724.0	584.9	452.6
-15°	1917.3	1835.6	1708.0	1551.6	1394.6	1202.8	988.7	843.9	697.6	564.5	440.3
-17.5°	1735.6	1702.1	1604.4	1494.1	1351.5	1145.2	944.4	811.5	669.4	543.4	425.6
-20°	1638.6	1615.8	1542.3	1450.2	1317.4	1099.3	905.4	770.4	639.6	521.6	407.6



REPORT NUMBER: P902089 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MNB-LTM

CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	1592.5	1562.0	1495.2	1419.8	1259.7	1053.3	870.4	731.3	606.9	498.3	387.1
-25°	1551.9	1504.9	1437.0	1341.2	1191.4	1001.0	830.4	697.0	570.6	473.7	365.4
-27.5°	1506.0	1447.5	1372.2	1275.0	1131.2	942.3	778.9	659.1	544.0	447.9	346.1
-30°	1467.0	1407.2	1326.2	1212.1	1066.7	883.2	730.4	625.6	521.8	423.0	326.8
-32.5°	1417.7	1345.6	1255.8	1122.7	985.1	823.5	693.4	592.8	498.3	399.6	307.8
-35°	1364.7	1284.9	1180.0	1029.2	917.2	762.0	658.5	559.1	473.2	374.6	289.2
-37.5°	1297.6	1218.7	1095.7	961.0	842.3	718.9	621.7	528.8	445.4	350.4	273.3
-40°	1242.9	1149.5	1013.7	909.9	775.3	680.3	586.9	499.9	415.6	329.6	260.3
-42.5°	1206.9	1065.2	954.3	847.7	730.2	640.9	552.5	470.3	387.9	308.3	246.2
-45°	1124.4	999.2	891.2	780.3	686.9	596.6	515.0	438.8	361.2	286.8	231.3
-47.5°	1054.0	954.8	837.7	730.7	639.0	552.9	476.8	407.5	331.0	270.9	217.7
-50°	977.1	907.7	779.4	678.0	591.0	516.0	442.0	375.1	296.3	251.7	203.6
-52.5°	893.6	817.4	709.5	622.7	543.2	476.9	403.3	339.4	273.8	232.9	189.1
-55°	784.0	724.4	649.5	565.2	489.0	432.4	364.0	301.5	252.8	214.7	174.9
-57.5°	682.7	642.0	581.1	506.6	440.6	386.0	324.2	274.5	229.3	196.1	165.1
-60°	602.3	558.3	512.3	456.7	393.5	344.9	293.1	250.3	212.7	178.2	153.9
-62.5°	532.2	491.6	471.0	408.7	347.6	308.6	265.0	229.7	197.6	164.6	141.6
-65°	470.5	427.8	423.8	360.5	310.8	271.9	239.9	207.7	179.1	149.6	127.9
-67.5°	411.8	373.1	370.9	325.7	282.7	248.5	217.2	189.2	160.5	137.1	114.9
-70°	365.8	333.2	325.6	293.3	256.8	226.9	199.5	172.0	146.6	127.5	103.0
-72.5°	334.4	311.5	295.9	262.7	228.6	204.4	182.8	156.3	135.2	117.8	92.6
-75°	328.1	294.8	263.7	235.8	200.4	180.5	164.0	140.9	120.4	100.4	81.1
-77.5°	285.9	256.4	226.8	205.2	175.0	157.9	142.2	120.0	102.3	81.8	69.7
-80°	236.6	211.6	195.4	171.2	146.8	130.6	113.9	96.0	84.3	67.2	59.4
-82.5°	182.6	162.3	149.8	138.1	116.2	102.3	88.4	77.7	64.3	54.2	49.0
-85°	128.2	117.4	110.2	91.1	79.2	72.3	66.1	61.4	43.5	38.9	34.2
-87.5°	73.8	70.2	66.3	43.1	40.4	37.6	34.7	31.7	21.8	19.4	17.1
-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: P902089 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MNB-LTM

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°	10.6	8.9	7.1	5.3	3.6	1.8	0.0
85°	21.2	17.7	14.2	10.7	7.1	3.6	0.0
82.5°	31.7	26.5	21.3	16.0	10.7	5.3	0.0
80°	36.3	33.7	28.3	21.3	14.2	7.1	0.0
77.5°	40.1	36.8	33.7	26.5	17.7	8.9	0.0
75°	43.9	39.9	36.4	31.7	21.2	10.6	0.0
72.5°	41.5	42.9	39.2	35.1	24.6	12.3	0.0
70°	37.1	42.9	42.1	38.0	28.0	14.0	0.0
67.5°	32.7	39.6	45.1	40.9	31.3	15.7	0.0
65°	35.3	36.5	47.3	43.8	33.9	17.3	0.0
62.5°	45.1	33.7	49.3	46.6	35.9	18.9	0.0
60°	53.7	36.2	52.7	49.5	37.7	20.5	0.0
57.5°	61.2	45.3	57.5	52.5	39.5	22.0	0.0
55°	101.1	54.8	63.7	57.4	41.3	23.5	0.0
52.5°	134.1	64.9	72.4	62.4	42.9	25.0	0.0
50°	157.1	80.6	85.5	67.5	44.5	26.3	0.0
47.5°	171.6	98.4	97.7	72.8	46.0	27.7	0.0
45°	195.2	116.0	107.7	78.2	47.3	29.0	0.0
42.5°	223.1	133.4	117.7	83.6	48.6	30.2	0.0
40°	258.5	150.6	128.0	87.7	49.8	31.4	0.0
37.5°	292.6	167.4	138.2	90.7	50.9	32.5	0.0
35°	313.8	188.2	148.0	94.2	52.6	33.2	0.0
32.5°	328.6	207.9	157.3	97.6	54.3	33.8	0.0
30°	340.7	224.6	166.3	100.3	55.9	34.3	0.0
27.5°	353.5	238.4	168.4	102.3	57.5	34.7	0.0
25°	365.4	249.4	169.4	103.7	59.1	35.2	0.0
22.5°	375.6	256.4	170.0	104.5	60.5	35.6	0.0
20°	384.1	258.0	170.3	104.7	61.7	35.9	0.0
17.5°	388.2	258.4	170.2	106.3	62.9	36.2	0.0
15°	389.8	258.5	169.7	108.2	63.8	36.5	0.0
12.5°	390.4	258.5	169.8	109.8	64.7	36.7	0.0
10°	389.8	259.5	169.5	111.1	65.3	36.9	0.0
7.5°	388.6	261.0	168.5	112.1	65.9	37.1	0.0
5°	386.2	261.0	166.9	112.9	66.2	37.2	0.0
2.5°	382.0	259.7	164.8	113.3	66.5	37.2	0.0
0°	376.2	257.3	162.2	113.5	66.6	37.3	0.0
-2.5°	371.6	256.5	163.3	113.8	66.4	37.2	0.0
-5°	365.8	254.7	164.0	113.8	66.1	37.2	0.0
-7.5°	359.3	251.8	164.2	113.5	65.7	37.1	0.0
-10°	352.0	247.6	164.1	112.8	65.1	36.9	0.0
-12.5°	341.9	242.0	163.6	111.7	64.4	36.7	0.0
-15°	329.7	235.7	162.4	110.3	63.6	36.5	0.0
-17.5°	315.1	230.0	159.9	108.4	62.6	36.2	0.0
-20°	298.8	224.3	156.5	105.9	61.5	35.9	0.0



REPORT NUMBER: P902089 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MNB-LTM

CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	285.5	218.2	152.4	102.4	60.3	35.6	0.0
-25°	273.8	211.1	147.4	98.8	58.9	35.2	0.0
-27.5°	262.3	203.4	141.5	95.2	57.4	34.8	0.0
-30°	251.8	195.2	134.8	91.6	55.9	34.3	0.0
-32.5°	243.0	186.6	129.7	87.9	54.2	33.8	0.0
-35°	233.6	177.6	124.5	84.4	52.4	33.2	0.0
-37.5°	223.3	169.0	120.0	81.0	50.7	32.5	0.0
-40°	211.7	161.4	116.7	78.0	49.4	31.4	0.0
-42.5°	199.1	153.5	113.1	74.9	48.1	30.2	0.0
-45°	185.6	145.1	109.1	72.0	46.8	29.0	0.0
-47.5°	171.6	136.4	104.8	68.6	45.3	27.7	0.0
-50°	160.1	127.4	99.6	64.9	43.8	26.3	0.0
-52.5°	149.2	120.6	94.0	60.8	42.3	25.0	0.0
-55°	138.2	113.5	87.6	56.2	40.7	23.5	0.0
-57.5°	128.7	106.3	80.9	51.4	39.0	22.0	0.0
-60°	120.8	98.9	74.3	48.7	37.3	20.5	0.0
-62.5°	111.7	91.2	67.7	46.0	35.6	18.9	0.0
-65°	101.4	83.4	61.0	43.4	33.8	17.3	0.0
-67.5°	92.0	75.7	55.4	40.7	31.3	15.7	0.0
-70°	84.5	68.1	50.8	37.9	28.0	14.0	0.0
-72.5°	77.2	61.6	45.8	35.1	24.6	12.3	0.0
-75°	69.8	56.4	40.5	31.7	21.2	10.6	0.0
-77.5°	61.8	51.3	34.9	26.5	17.7	8.9	0.0
-80°	53.3	46.2	28.3	21.3	14.2	7.1	0.0
-82.5°	44.0	36.4	21.3	16.0	10.7	5.3	0.0
-85°	29.4	24.5	14.2	10.7	7.1	3.6	0.0
-87.5°	14.7	12.3	7.1	5.3	3.6	1.8	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)