

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: P902106 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/13/2024

Test Information

Test Method: LM-79-08
Report Number: P902106 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVA2K02019)
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-WNB-LT
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A55-WNB-LT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

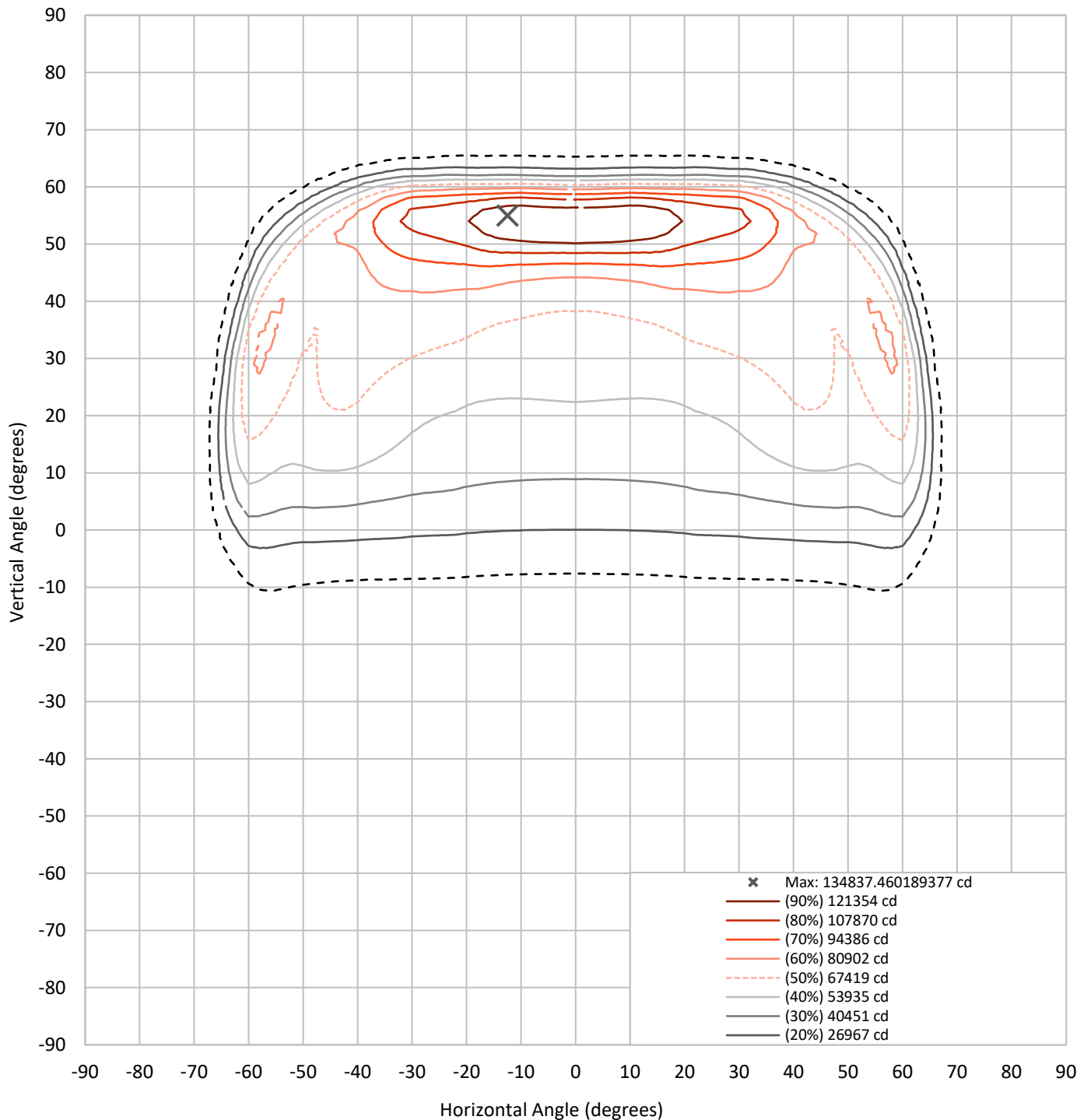
Lumens per Lamp:	N/A	NEMA Type:	6H x 5V
Luminaire Lumens:	146115.1 lumens	Max Intensity:	134837.5 candela
Efficiency:	N/A	Max Intensity Angle:	-12.5°H x 55°V
Efficacy:	103.4 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		

Beam Angle (50%):	90.7°H x 24°V	Field Angle (10%):	113.6°H x 72.7°V
Beam Lumens:	71302.4 lumens	Field Lumens:	133194.1 lumens
Beam Efficiency:	48.8%	Field Efficiency:	91.2%

Input Watts (W): 1413
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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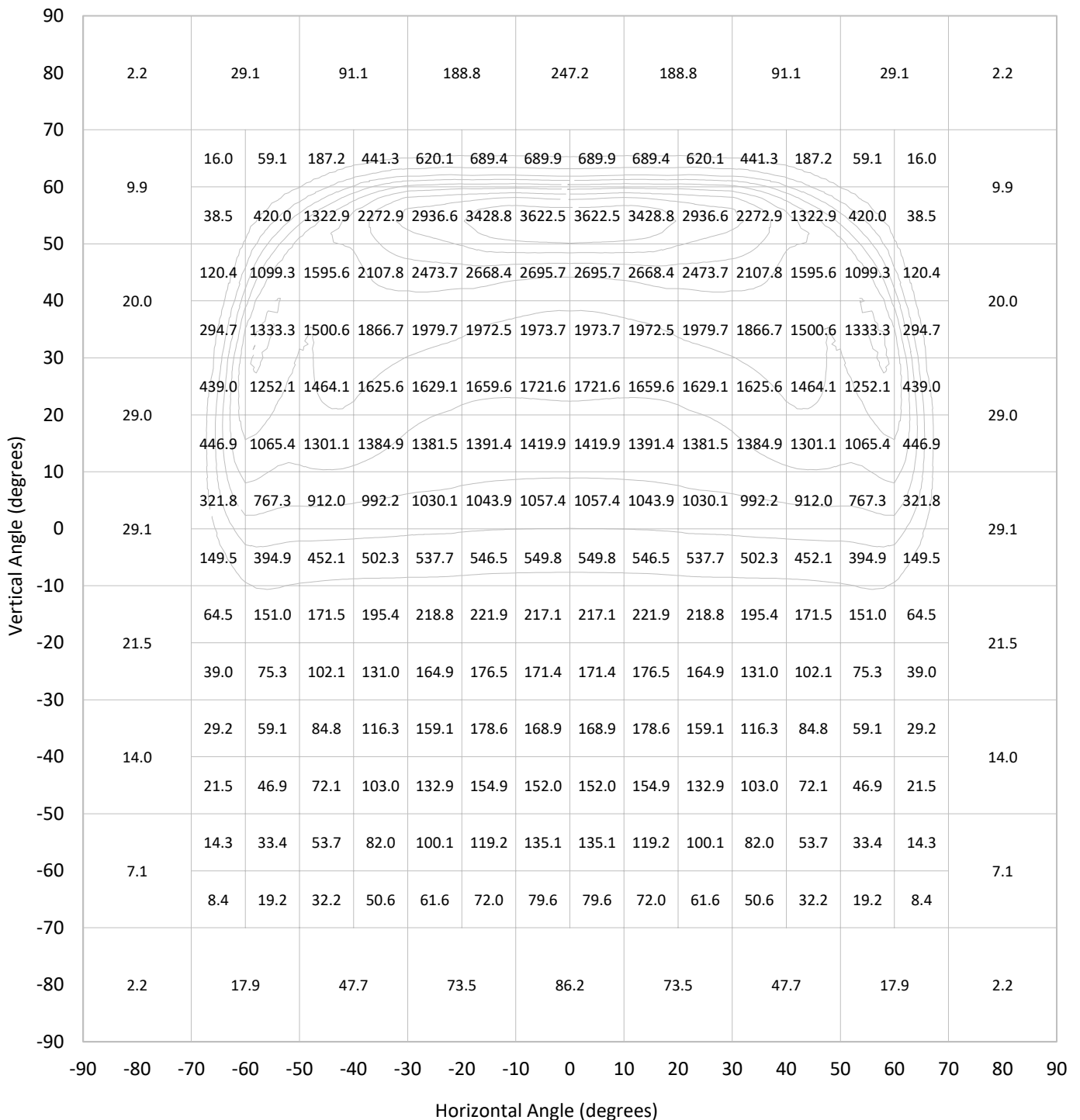
Iso-Candela Plot





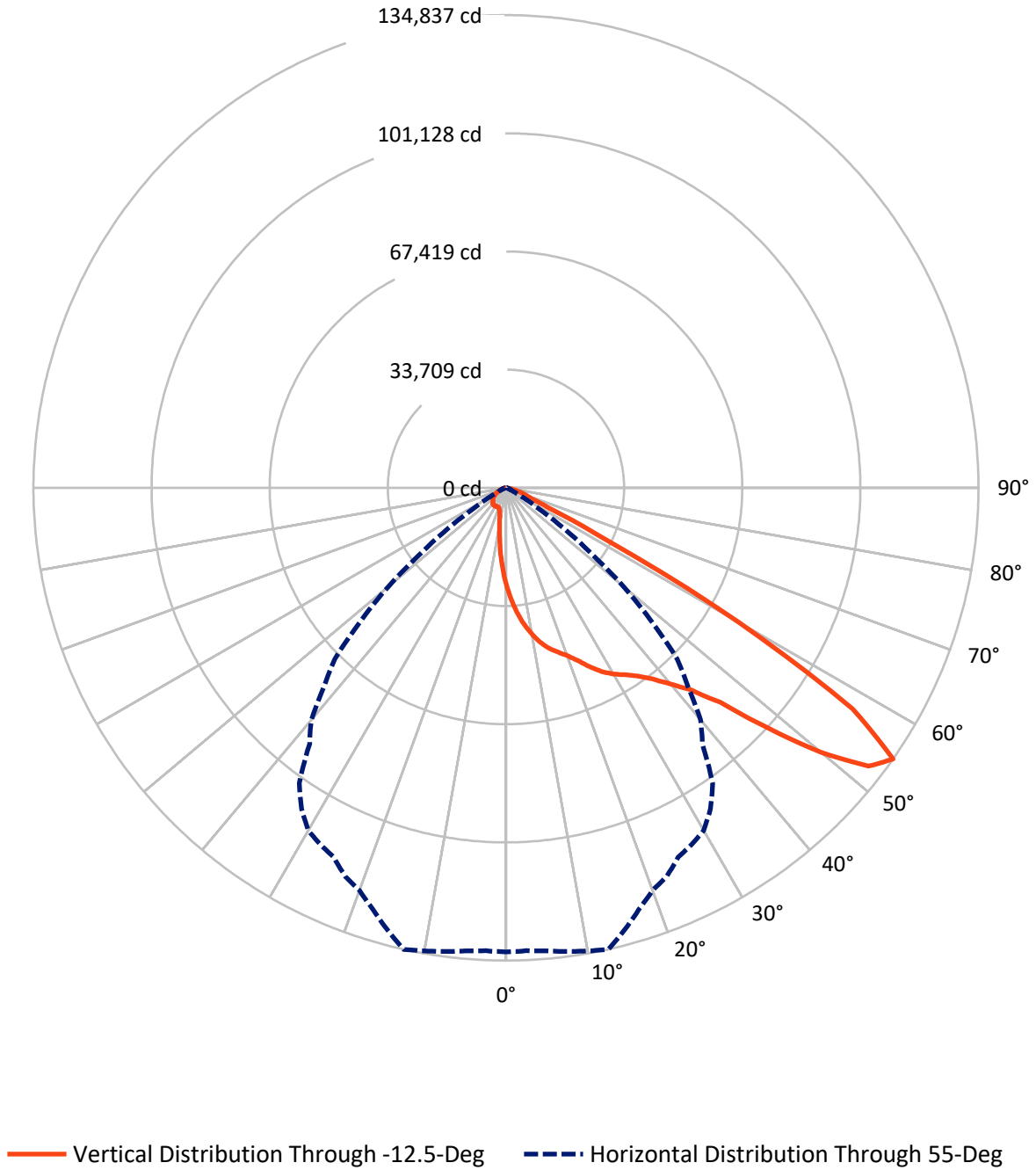
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Lumen Table



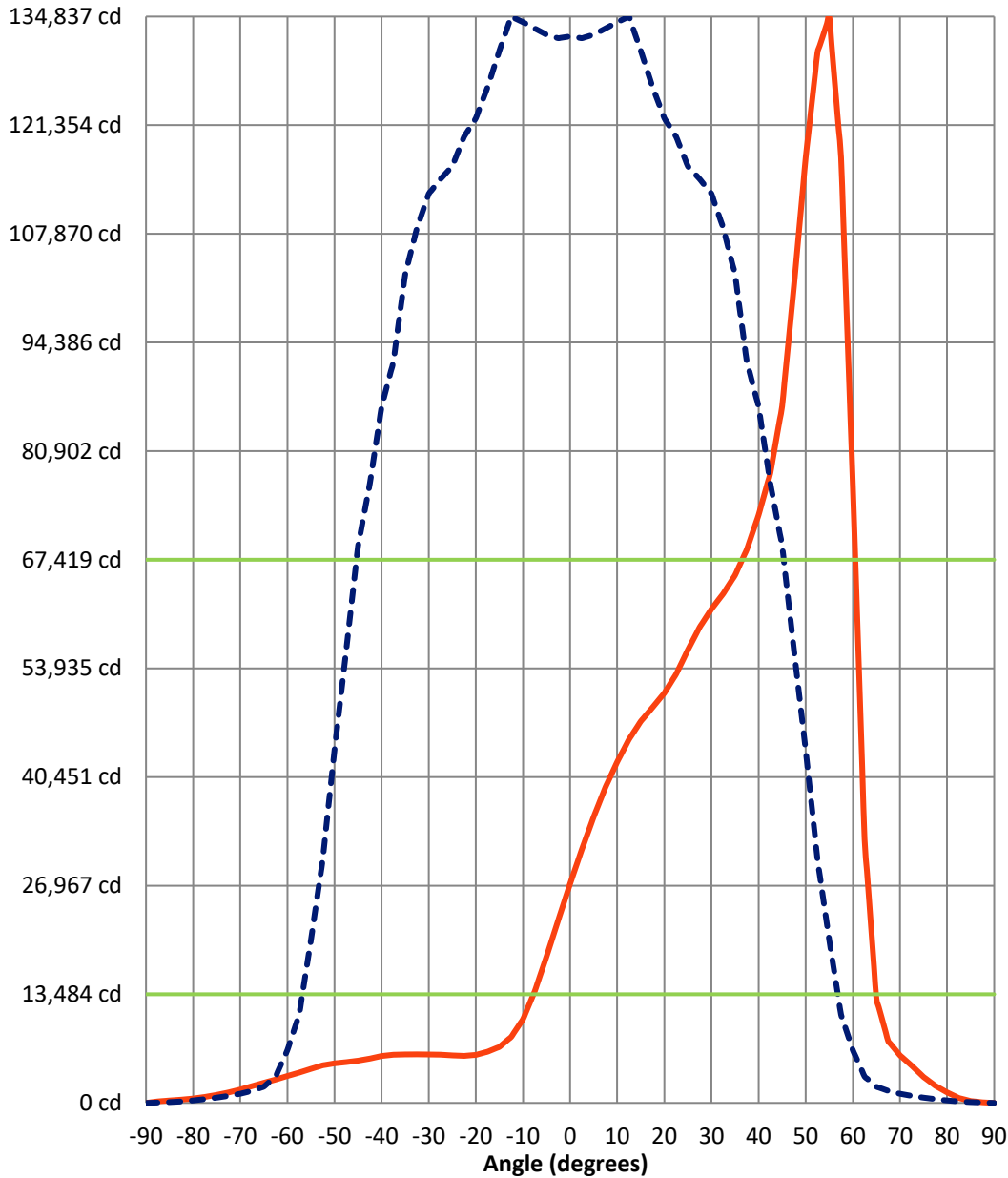
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CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WNB-LT

Luminous Intensity Polar Plot



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Luminous Intensity Plot



Beam:
 H Angle: 90.7°
 V Angle: 24°
 Lumens: 71302.4
 Efficiency: 48.8%

Field:
 H Angle: 113.6°
 V Angle: 72.7°
 Lumens: 133194.1
 Efficiency: 91.2%

Spill:
 Lumens: 12921
 Efficiency: 8.8%

— Vertical Distribution through -12.5-Deg
 - - - Horizontal Distribution through 55-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	3.6	7.5	11.3	15.0	18.7	22.4	25.3	28.8	32.2	35.6
85°	0.0	7.1	15.1	22.6	30.0	37.4	44.7	50.6	57.6	64.4	75.1
82.5°	0.0	10.7	22.5	33.8	44.9	56.0	67.0	82.2	101.5	123.8	147.9
80°	0.0	14.2	30.0	44.9	59.8	77.4	101.8	126.0	153.1	185.3	230.4
77.5°	0.0	17.7	37.3	56.0	76.9	105.5	137.7	169.4	216.0	282.7	353.4
75°	0.0	21.2	44.6	67.0	97.8	133.3	172.8	233.0	306.4	387.6	483.7
72.5°	0.0	24.7	51.7	80.4	118.3	160.5	226.2	307.0	394.9	505.1	634.9
70°	0.0	28.1	58.7	94.1	138.3	196.9	284.7	379.1	494.8	626.7	790.7
67.5°	0.0	31.5	65.6	107.5	157.7	242.8	341.9	458.7	592.8	755.0	962.4
65°	0.0	34.8	73.0	120.5	184.6	287.5	401.8	537.4	694.2	888.4	1136.7
62.5°	0.0	38.0	80.7	133.0	217.9	330.7	464.5	613.1	802.8	1019.7	1330.7
60°	0.0	41.2	88.2	145.1	250.2	376.4	524.8	703.2	906.7	1169.3	1528.3
57.5°	0.0	44.4	95.5	157.4	281.4	425.4	582.6	790.6	1024.8	1311.9	1774.8
55°	0.0	47.4	102.5	178.2	311.3	473.0	654.1	874.8	1140.4	1499.3	2014.7
52.5°	0.0	50.4	109.2	197.9	341.4	519.1	723.2	967.4	1249.4	1674.3	2453.1
50°	0.0	53.3	115.7	216.3	375.3	562.1	788.3	1057.4	1386.6	1861.7	2794.5
47.5°	0.0	56.1	121.9	233.5	406.8	610.7	851.2	1143.2	1510.7	2109.6	3517.8
45°	0.0	58.8	127.8	249.3	434.6	656.3	922.4	1236.9	1633.2	2324.1	4138.9
42.5°	0.0	61.5	133.3	263.8	460.0	698.9	990.6	1339.6	1809.4	2610.1	4877.3
40°	0.0	64.0	138.5	277.0	483.0	738.3	1054.8	1437.7	1966.8	2861.6	6959.3
37.5°	0.0	66.4	143.4	289.0	503.5	774.5	1114.1	1530.5	2104.7	3093.3	8368.8
35°	0.0	68.8	150.3	302.7	525.5	813.8	1179.4	1637.3	2271.4	3658.9	10595.5
32.5°	0.0	71.2	157.4	316.0	546.7	852.6	1245.5	1745.8	2446.9	4381.2	14399.6
30°	0.0	73.4	163.7	327.9	565.6	887.9	1306.0	1842.3	2602.2	4883.4	16969.7
27.5°	0.0	75.5	169.7	338.3	582.8	919.5	1357.5	1928.2	2737.5	5087.6	18661.7
25°	0.0	77.3	175.0	347.1	597.4	947.5	1402.2	2003.6	2877.9	6124.9	23970.4
22.5°	0.0	79.0	179.7	354.4	609.6	971.5	1441.0	2074.5	3090.8	7380.5	27858.6
20°	0.0	80.6	183.7	360.3	619.1	990.8	1478.0	2146.9	3231.6	7994.2	30714.7
17.5°	0.0	81.9	187.1	365.5	626.2	1005.9	1511.2	2204.3	3340.8	8165.1	32301.3
15°	0.0	83.1	189.8	369.5	630.7	1018.9	1532.6	2241.5	3410.1	8078.7	32550.0
12.5°	0.0	84.1	192.0	372.1	633.2	1029.6	1545.0	2257.3	3452.9	7614.8	31553.8
10°	0.0	84.9	193.5	373.3	633.5	1033.1	1548.8	2258.9	3476.3	8159.7	29689.7
7.5°	0.0	85.6	194.4	373.2	631.4	1029.8	1541.9	2246.3	3475.2	8373.8	26848.1
5°	0.0	86.1	194.7	371.8	626.9	1021.7	1526.4	2217.8	3425.8	8046.0	23384.6
2.5°	0.0	86.4	194.5	369.1	620.3	1008.9	1503.6	2177.4	3344.0	7417.6	19531.4
0°	0.0	86.6	193.8	365.3	611.6	991.5	1474.1	2126.0	3240.1	6490.5	15259.0
-2.5°	0.0	86.6	193.4	363.7	606.6	975.9	1447.0	2067.9	3110.5	5828.3	12457.6
-5°	0.0	86.5	192.5	361.0	599.7	956.1	1414.4	2001.0	2965.1	5112.7	9604.1
-7.5°	0.0	86.2	191.1	357.3	590.9	932.1	1376.8	1926.7	2810.0	4502.3	7878.5
-10°	0.0	85.8	189.2	352.4	580.4	904.1	1334.9	1849.7	2653.5	3979.3	6399.8
-12.5°	0.0	85.2	186.8	346.6	568.3	875.5	1289.2	1768.2	2490.6	3541.2	5363.9
-15°	0.0	84.4	183.9	339.8	555.4	847.9	1239.9	1682.4	2334.5	3268.6	4561.3
-17.5°	0.0	83.5	180.6	331.9	543.2	821.5	1187.7	1601.1	2189.9	2998.8	3983.4
-20°	0.0	82.4	176.8	323.5	529.4	796.1	1135.3	1522.5	2045.1	2763.4	3592.6



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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-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	81.2	172.5	315.0	514.0	768.7	1087.3	1440.8	1915.2	2555.6	3243.8
-25°	0.0	79.8	167.8	305.6	497.0	741.5	1039.9	1366.9	1797.4	2359.3	2985.7
-27.5°	0.0	78.3	162.7	295.4	478.4	712.8	992.1	1307.2	1701.8	2202.3	2749.2
-30°	0.0	76.6	157.3	284.2	458.5	681.8	944.7	1243.6	1611.3	2066.9	2560.2
-32.5°	0.0	74.8	151.7	272.2	437.8	648.4	896.8	1176.3	1523.4	1933.6	2388.2
-35°	0.0	72.9	145.8	259.3	415.8	612.9	845.8	1107.5	1432.3	1805.3	2224.1
-37.5°	0.0	70.8	140.0	246.9	394.1	577.8	794.5	1042.7	1344.8	1685.8	2070.4
-40°	0.0	68.5	135.8	236.7	375.1	546.3	746.0	980.0	1257.7	1572.7	1914.7
-42.5°	0.0	66.0	131.3	225.9	355.0	513.6	697.2	913.4	1165.1	1450.9	1753.8
-45°	0.0	63.4	126.5	214.6	333.8	479.7	647.4	842.8	1067.3	1330.1	1611.8
-47.5°	0.0	60.7	121.4	202.8	311.6	444.6	595.8	775.5	982.8	1214.8	1472.1
-50°	0.0	57.8	116.1	190.4	288.6	408.6	551.6	712.8	894.9	1098.2	1334.4
-52.5°	0.0	54.8	110.5	177.4	264.9	379.3	507.8	647.9	804.1	992.7	1204.4
-55°	0.0	51.7	104.8	163.9	245.9	349.2	462.9	582.7	728.2	889.3	1070.6
-57.5°	0.0	48.5	98.8	150.0	227.5	318.3	417.0	529.9	651.8	786.5	953.2
-60°	0.0	45.2	92.6	140.2	208.4	286.6	379.1	476.4	578.0	699.7	834.7
-62.5°	0.0	41.8	86.2	130.4	188.7	258.2	340.5	421.9	516.0	610.9	731.5
-65°	0.0	38.3	79.6	120.3	168.4	232.6	301.3	376.8	453.4	538.8	629.4
-67.5°	0.0	34.7	72.6	109.9	150.8	206.3	265.7	331.1	397.6	470.4	546.1
-70°	0.0	31.0	65.0	99.3	136.3	179.5	233.1	285.9	345.9	407.4	470.4
-72.5°	0.0	27.3	57.2	88.5	121.5	156.2	199.9	248.1	294.7	348.9	401.8
-75°	0.0	23.5	49.3	77.2	106.3	136.2	168.4	210.0	252.4	293.6	335.9
-77.5°	0.0	19.7	41.2	64.6	90.8	115.8	143.2	174.1	209.7	245.8	279.2
-80°	0.0	15.8	33.1	51.9	73.7	95.0	117.7	142.0	169.5	198.4	225.7
-82.5°	0.0	11.9	24.9	39.1	55.5	72.1	91.4	109.2	129.9	154.5	174.5
-85°	0.0	7.9	16.6	26.1	37.1	48.2	61.1	73.7	88.5	109.3	123.6
-87.5°	0.0	4.0	8.3	13.1	18.6	24.1	30.6	36.9	44.3	54.8	62.5
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-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°	39.9	45.5	51.3	56.1	59.6	61.5	64.6	65.9	70.5	71.4	74.0
85°	91.4	110.2	129.1	145.1	155.3	163.7	172.0	178.4	183.0	185.8	187.4
82.5°	174.6	203.5	233.2	271.5	299.5	324.4	345.1	355.5	365.9	375.6	386.8
80°	288.9	346.9	406.0	459.4	500.8	546.2	586.8	621.1	658.3	689.9	717.7
77.5°	430.1	515.2	620.4	708.9	764.0	817.1	894.9	960.4	1020.1	1084.2	1157.9
75°	607.6	740.8	873.1	1010.0	1111.4	1202.3	1278.5	1369.6	1468.6	1570.1	1656.8
72.5°	790.4	985.5	1186.3	1365.3	1499.2	1621.4	1745.5	1872.8	2028.6	2161.8	2269.2
70°	1006.6	1243.4	1503.1	1741.3	1900.9	2114.4	2326.4	2491.1	2762.8	2978.9	3157.2
67.5°	1220.5	1523.8	1825.6	2192.3	2447.5	2740.4	3109.5	3418.1	3873.0	4295.2	4502.1
65°	1461.9	1835.2	2321.6	2731.9	3288.0	3659.7	4530.5	5136.1	6066.5	7768.9	8478.2
62.5°	1731.2	2297.7	3083.7	3992.1	4926.4	6313.8	7828.2	11406.4	13285.0	18839.7	22129.0
60°	2063.5	3043.2	4436.7	6598.5	8529.6	13038.6	17656.4	25464.0	33354.8	41813.2	51437.2
57.5°	2553.8	4149.1	7304.2	10541.4	17648.3	24771.9	36380.2	46730.3	58344.0	69372.5	78470.0
55°	3277.7	6547.1	10964.6	20205.4	30232.8	43770.7	56253.6	69126.2	76870.4	86419.5	92033.2
52.5°	4318.7	9423.6	19992.9	31907.4	46539.7	60390.8	72599.0	79434.3	83799.5	87511.9	93129.8
50°	5943.4	14992.5	29515.2	46287.0	60590.1	72936.1	79635.2	80192.7	80724.0	82925.4	88796.9
47.5°	7761.2	20740.8	41972.1	58684.3	71817.6	78573.2	78239.4	76171.6	74805.3	78883.4	84679.1
45°	11523.9	29676.1	53043.8	70253.4	77637.0	78074.6	74709.7	70591.5	71603.6	76175.3	81352.8
42.5°	14424.1	39132.9	63847.0	76765.3	79785.3	76252.6	70713.2	68619.3	70587.8	74889.3	78457.2
40°	21339.9	48796.0	73523.3	82710.2	79634.8	73432.3	68714.8	67725.8	70448.6	73710.7	76666.9
37.5°	27481.0	59450.0	79153.5	82699.7	77638.2	71195.7	67277.3	67516.2	70805.2	73853.2	76336.7
35°	33794.1	68924.9	84476.6	82645.1	74938.2	69134.5	66709.7	68590.7	71604.8	74242.1	76194.8
32.5°	42530.4	73688.0	84050.4	79864.5	72703.5	67914.6	66936.1	69346.3	71961.7	73912.0	74975.7
30°	50292.9	77803.1	84124.5	76876.3	70244.3	66585.9	67107.8	69636.8	71217.2	72306.8	71945.1
27.5°	55434.5	79400.3	81727.4	74432.1	68566.4	66000.7	67170.9	69292.1	70337.3	70688.4	69538.7
25°	57511.1	77437.1	78658.7	71844.6	66936.3	65161.8	67136.3	68994.0	69556.4	69413.1	67391.9
22.5°	58917.4	76170.0	75192.2	69194.3	65158.3	64449.9	66567.3	68053.4	68469.8	67583.4	65319.3
20°	59582.3	74378.5	72040.5	66557.3	63500.8	63405.3	65731.3	66654.3	67047.0	65736.2	63141.9
17.5°	58843.9	70445.6	68316.8	63684.9	61104.0	61577.9	64090.4	64608.5	64708.5	63221.4	60812.2
15°	56301.4	66360.4	64526.2	60437.8	58131.0	59141.4	61094.3	61757.9	61719.0	60211.8	58021.7
12.5°	53015.9	62372.8	60604.7	56783.8	55087.5	55914.2	57414.0	57968.0	57989.7	56519.1	54672.6
10°	49309.0	57850.5	56176.3	53028.6	51475.6	52029.4	53128.8	53306.9	53169.7	51975.1	50519.6
7.5°	44327.2	52864.1	51600.6	48780.2	47184.4	47559.1	48310.9	48196.4	47937.1	46881.0	45752.7
5°	38805.9	47283.2	46237.0	43885.4	42479.3	42582.8	42979.0	42686.4	42399.2	41589.6	40672.3
2.5°	32454.8	40931.8	40543.7	38697.3	37422.8	37240.3	37435.8	37019.2	36777.1	36194.3	35528.8
0°	25753.4	34177.2	34592.0	33204.3	32049.8	31774.6	31869.5	31405.1	31235.6	30779.5	30281.4
-2.5°	20349.8	27610.2	28698.8	27656.0	26597.6	26093.0	26122.9	25790.4	25659.1	25421.3	25060.5
-5°	15032.5	21380.5	23269.3	22620.4	21651.1	21000.0	20907.8	20491.9	20388.0	20183.1	19911.0
-7.5°	11925.5	16492.1	18431.7	18078.0	17251.6	16552.4	16209.5	15796.8	15614.0	15424.9	15175.7
-10°	9077.0	12484.7	14440.6	14286.4	13440.0	12836.6	12424.2	12045.6	11791.7	11624.1	11460.6
-12.5°	7394.5	9422.7	10803.7	11122.3	10513.9	9895.2	9612.7	9323.7	9088.4	8926.7	8874.6
-15°	5923.4	7413.7	8276.9	8391.9	8225.0	7790.0	7626.0	7483.5	7338.2	7224.2	7213.4
-17.5°	5027.2	5900.6	6505.0	6626.3	6469.8	6339.5	6265.3	6308.8	6231.4	6188.4	6251.7
-20°	4300.1	5014.2	5299.6	5439.1	5381.4	5366.4	5401.4	5538.9	5566.5	5586.5	5645.4



REPORT NUMBER: P902106 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WNB-LT

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	3879.9	4308.5	4608.8	4621.7	4752.5	4748.0	4872.1	5024.4	5133.2	5237.3	5296.9
-25°	3506.6	3909.4	4080.4	4229.3	4301.7	4389.2	4523.5	4675.5	4849.1	4942.1	5017.0
-27.5°	3251.4	3573.4	3820.9	3921.4	4014.1	4132.6	4275.1	4413.5	4558.3	4684.8	4776.1
-30°	3018.7	3372.0	3601.1	3713.9	3808.3	3925.3	4069.6	4206.1	4352.7	4497.9	4613.7
-32.5°	2820.0	3180.4	3444.2	3568.7	3651.3	3776.1	3908.6	4039.9	4188.2	4342.7	4514.0
-35°	2645.0	3012.0	3288.3	3422.8	3508.3	3635.3	3771.4	3911.5	4082.4	4256.3	4432.7
-37.5°	2470.0	2836.5	3106.5	3251.4	3346.3	3486.3	3636.4	3797.4	3986.3	4167.3	4355.0
-40°	2288.3	2653.3	2931.6	3084.1	3196.0	3346.2	3505.3	3668.7	3857.2	4051.9	4239.5
-42.5°	2101.5	2460.2	2727.4	2885.3	3019.1	3185.8	3360.8	3522.0	3706.4	3899.5	4113.0
-45°	1925.6	2258.6	2524.9	2699.8	2843.7	3001.2	3166.9	3333.1	3539.9	3739.1	3952.3
-47.5°	1752.5	2060.0	2322.2	2518.2	2664.3	2805.4	2962.2	3141.3	3356.9	3569.6	3803.2
-50°	1593.7	1864.7	2118.8	2330.6	2477.9	2610.0	2743.3	2909.6	3147.9	3378.1	3626.9
-52.5°	1431.9	1671.9	1914.3	2127.0	2291.4	2419.3	2545.7	2682.0	2903.7	3162.5	3413.1
-55°	1276.8	1492.9	1719.7	1940.4	2097.0	2210.9	2319.2	2450.4	2654.9	2907.1	3178.8
-57.5°	1123.9	1319.6	1542.4	1752.4	1889.1	1983.3	2078.8	2200.9	2397.3	2642.5	2915.9
-60°	982.7	1147.5	1362.2	1558.7	1666.3	1741.8	1834.1	1964.9	2146.1	2370.9	2632.7
-62.5°	847.3	984.1	1163.3	1342.7	1433.5	1491.0	1586.0	1716.3	1867.2	2066.7	2287.0
-65°	728.9	826.5	968.8	1092.8	1182.6	1240.2	1343.7	1467.9	1600.0	1761.0	1941.1
-67.5°	617.9	700.8	779.9	893.4	965.7	1035.9	1129.6	1227.6	1343.9	1474.5	1619.8
-70°	531.0	586.1	654.7	728.8	790.4	858.6	934.2	1007.7	1097.4	1194.6	1305.3
-72.5°	448.4	498.6	547.0	593.5	650.4	702.9	755.2	813.4	879.2	938.6	1001.2
-75°	377.7	417.9	455.2	497.4	535.8	571.3	607.9	656.6	702.8	741.3	778.3
-77.5°	310.1	345.1	379.3	410.2	438.5	465.3	495.8	527.9	560.7	588.0	610.6
-80°	252.8	280.0	305.8	329.3	350.3	369.3	391.9	413.5	437.9	458.6	484.1
-82.5°	195.3	216.5	234.4	254.0	269.8	280.6	293.9	307.2	323.7	335.8	342.6
-85°	137.4	155.3	167.2	180.6	191.3	197.9	204.5	212.0	222.1	234.4	242.2
-87.5°	70.4	81.9	89.2	97.8	105.2	111.1	118.4	128.6	134.2	142.9	148.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P902106 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	75.5	77.1	78.3	79.4	76.7	77.7	77.3	76.5	76.2	77.5	76.8
85°	195.7	204.5	211.8	221.8	229.7	232.3	231.7	231.0	235.8	238.1	238.3
82.5°	409.9	433.7	461.9	512.3	543.0	550.9	560.2	573.2	593.2	614.1	642.5
80°	755.5	831.7	917.8	1039.6	1083.8	1057.1	1104.8	1183.4	1234.4	1309.5	1419.1
77.5°	1244.9	1383.4	1549.4	1719.4	1757.8	1757.6	1859.8	1966.1	2017.8	2133.5	2290.4
75°	1776.3	1981.7	2202.1	2416.1	2519.5	2578.5	2713.5	2914.0	3055.6	3232.1	3438.0
72.5°	2460.5	2726.4	2982.1	3222.5	3448.7	3668.4	3909.3	4217.9	4446.7	4620.1	4829.0
70°	3401.6	3703.9	3986.3	4261.2	4530.6	4900.0	5282.1	5614.4	5810.1	5909.6	5938.7
67.5°	4970.2	5436.6	5704.6	5970.5	6557.3	7111.7	7477.3	7655.8	7697.7	7687.8	7722.7
65°	9512.6	10801.5	11084.7	11005.9	12531.7	13172.9	13157.7	12773.6	12667.7	12950.4	12903.6
62.5°	24573.0	29544.6	30234.7	29988.0	32987.6	33488.1	32070.9	31421.2	32792.7	32721.9	32108.7
60°	59171.9	65408.2	71306.5	72777.8	73475.2	75344.7	76309.9	75761.7	76199.8	76751.3	77308.0
57.5°	89203.2	96862.4	103010.1	104855.8	105680.3	108343.8	110308.5	112419.8	114749.7	117352.2	118478.1
55°	102822.1	108586.9	112836.1	114666.3	116263.2	119920.3	122226.0	126089.4	130607.2	134837.5	134141.1
52.5°	100762.0	105586.8	108334.5	110624.6	112418.4	115231.4	118413.5	122337.3	127552.9	130372.4	131327.7
50°	95143.7	99004.4	101408.4	103081.2	104889.8	106658.5	109065.2	112415.3	115903.2	117319.9	118467.2
47.5°	89734.3	92953.5	94803.7	95901.6	96773.2	97709.8	98782.9	100736.4	102182.3	101362.6	101152.4
45°	84912.9	87074.5	87749.3	88341.7	88682.0	88672.9	88443.1	89129.5	88391.2	86484.7	85475.5
42.5°	80812.8	81813.2	81804.2	82323.5	82160.4	81869.7	81368.5	81575.1	79943.9	78183.7	77123.8
40°	78409.0	78627.0	78731.7	78854.6	78546.0	77492.0	77167.1	76308.4	74307.5	72966.6	71968.3
37.5°	77435.9	77293.6	77014.5	76555.9	75841.7	74046.2	72963.5	71441.5	69599.1	68688.1	67840.4
35°	76469.5	75725.2	74627.5	73650.9	72360.2	70763.3	69214.7	67426.3	66122.2	65493.7	64925.2
32.5°	73781.4	72572.9	71030.5	69619.2	68208.5	67127.7	66041.8	64283.2	63526.3	63210.8	63021.6
30°	70427.0	68783.3	67042.9	65565.7	64254.4	63602.7	63033.4	61805.0	61362.0	61297.0	61335.5
27.5°	67592.6	65679.5	63792.5	62427.9	61243.9	60882.3	60343.0	59358.7	59076.6	59048.1	59189.6
25°	65225.8	63038.0	60992.0	59681.8	58646.2	58228.7	57595.6	56643.8	56308.4	56234.1	56354.6
22.5°	62953.8	60596.9	58541.9	57124.3	56184.6	55766.4	54692.3	53827.6	53443.5	53219.2	53285.6
20°	60759.4	58338.0	56318.4	54922.0	53954.7	53424.0	52189.4	51421.4	51103.7	50872.5	50761.1
17.5°	58507.9	56163.6	54262.8	52949.1	52087.7	51577.4	50233.5	49480.4	49217.7	49089.8	48989.1
15°	55977.8	53895.9	52190.5	51025.6	50414.1	49815.7	48486.5	47780.2	47522.6	47360.6	47300.2
12.5°	52974.1	51183.4	49758.1	48649.7	48243.0	47752.4	46377.8	45708.2	45369.9	45119.9	44947.1
10°	49164.1	47854.5	46616.9	45725.3	45370.7	44876.6	43638.3	42989.6	42583.8	42324.7	42116.0
7.5°	44748.5	43757.4	42819.4	42140.3	41846.5	41344.6	40398.9	39870.1	39412.1	39182.0	38991.6
5°	39994.7	39236.1	38413.2	37929.8	37685.9	37291.3	36490.2	36027.7	35763.2	35497.3	35324.7
2.5°	35041.4	34486.6	33864.5	33450.8	33230.4	32998.0	32264.1	31893.9	31632.3	31476.6	31390.7
0°	30070.2	29710.1	29126.7	28843.5	28668.2	28578.1	27979.9	27653.6	27391.4	27204.5	27069.7
-2.5°	24931.8	24724.9	24316.6	24140.9	24006.8	23986.9	23476.2	23147.6	22899.9	22718.9	22590.6
-5°	19874.8	19712.3	19456.9	19354.8	19272.0	19253.7	18883.6	18583.7	18370.4	18173.5	18072.6
-7.5°	15199.0	15128.6	14951.0	14926.6	14860.7	14760.2	14477.5	14198.3	14018.8	13865.0	13747.7
-10°	11529.6	11456.6	11354.8	11337.1	11243.5	11149.1	10905.0	10684.1	10510.4	10389.4	10316.3
-12.5°	8902.0	8992.2	8902.7	8873.8	8829.4	8739.0	8600.9	8449.5	8326.0	8194.3	8070.9
-15°	7295.8	7478.2	7523.9	7507.9	7471.0	7405.8	7298.2	7215.1	7106.5	6954.8	6815.7
-17.5°	6379.6	6592.3	6707.7	6723.1	6753.7	6744.1	6677.9	6610.7	6514.2	6358.2	6243.7
-20°	5786.1	6038.4	6255.7	6302.0	6359.2	6380.1	6312.0	6199.8	6109.8	5962.7	5819.4



REPORT NUMBER: P902106 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-WNB-LT

CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5416.1	5679.9	5897.6	5957.4	6029.4	6126.6	6080.9	6005.0	5962.2	5838.5	5739.9
-25°	5064.1	5363.1	5641.9	5761.4	5899.3	6054.8	6079.4	6042.5	5985.3	5898.4	5802.4
-27.5°	4886.5	5157.5	5513.3	5727.3	5871.7	6092.3	6167.5	6119.4	6056.8	5987.1	5887.3
-30°	4753.5	5037.4	5437.6	5711.4	5891.9	6120.4	6224.3	6176.7	6091.7	6011.5	5903.0
-32.5°	4666.0	4943.9	5363.3	5683.2	5860.2	6103.6	6271.0	6253.9	6130.8	6026.9	5906.2
-35°	4615.2	4848.3	5241.7	5617.7	5822.5	6048.8	6259.0	6270.2	6151.7	6017.6	5867.6
-37.5°	4556.6	4776.6	5131.2	5502.3	5788.3	5931.6	6168.8	6213.8	6120.8	5979.9	5795.7
-40°	4438.9	4625.3	4913.8	5244.7	5486.5	5651.3	5895.6	5998.5	5972.4	5824.3	5648.9
-42.5°	4293.5	4465.5	4631.6	4915.0	5101.3	5264.3	5447.3	5625.5	5619.4	5499.8	5351.9
-45°	4167.4	4334.5	4462.3	4630.4	4812.6	4932.2	5071.0	5250.6	5299.7	5246.7	5142.5
-47.5°	3999.8	4160.7	4275.3	4399.9	4547.4	4655.4	4774.7	4935.9	5045.6	5062.6	5028.8
-50°	3816.9	3959.1	4058.3	4150.5	4303.0	4430.3	4508.7	4662.0	4818.3	4910.8	4948.8
-52.5°	3613.9	3723.3	3794.6	3864.1	3977.7	4092.5	4169.5	4299.3	4493.7	4666.8	4759.7
-55°	3387.7	3448.5	3500.3	3530.7	3628.2	3733.1	3806.2	3909.5	4048.3	4224.2	4340.3
-57.5°	3112.8	3156.8	3176.1	3214.9	3275.7	3362.8	3449.6	3537.0	3633.9	3762.9	3905.3
-60°	2810.2	2831.4	2828.4	2859.2	2920.1	2992.3	3075.2	3154.0	3247.1	3340.8	3445.3
-62.5°	2428.6	2455.7	2475.2	2528.3	2583.1	2624.1	2711.6	2778.2	2852.2	2899.6	2954.7
-65°	2061.5	2084.0	2127.8	2178.3	2231.2	2291.6	2359.8	2420.8	2465.3	2500.1	2542.7
-67.5°	1732.9	1767.7	1789.6	1814.9	1860.1	1924.4	1969.6	1996.9	2053.7	2084.0	2134.8
-70°	1419.6	1484.3	1513.4	1534.9	1561.3	1580.0	1594.3	1612.0	1637.7	1661.2	1693.4
-72.5°	1093.6	1189.3	1239.5	1250.4	1253.8	1248.7	1246.7	1260.8	1282.4	1300.5	1326.9
-75°	835.3	915.8	971.7	979.6	960.0	947.1	954.0	970.2	987.2	999.0	1021.1
-77.5°	645.2	715.5	753.1	738.7	711.5	694.7	697.4	716.2	734.5	747.1	762.5
-80°	492.4	520.1	542.0	534.3	522.6	520.2	527.5	535.6	545.6	547.1	555.3
-82.5°	351.1	362.3	371.3	378.0	383.2	388.4	395.8	399.7	405.7	409.5	412.6
-85°	252.2	257.1	263.1	270.6	277.4	283.0	291.1	295.6	301.0	304.0	305.9
-87.5°	155.1	156.3	164.0	166.9	169.7	176.9	180.1	186.6	188.6	189.0	197.1
-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: P902106 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-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°	77.9	81.4	83.6	83.6	83.6	81.4	77.9	76.8	77.5	76.2	76.5
85°	252.8	280.3	298.4	301.8	298.4	280.3	252.8	238.3	238.1	235.8	231.0
82.5°	690.3	742.4	767.0	777.3	767.0	742.4	690.3	642.5	614.1	593.2	573.2
80°	1527.9	1577.8	1585.8	1588.5	1585.8	1577.8	1527.9	1419.1	1309.5	1234.4	1183.4
77.5°	2409.4	2457.7	2480.8	2503.8	2480.8	2457.7	2409.4	2290.4	2133.5	2017.8	1966.1
75°	3510.6	3486.2	3525.9	3573.5	3525.9	3486.2	3510.6	3438.0	3232.1	3055.6	2914.0
72.5°	4871.3	4795.6	4851.5	4924.4	4851.5	4795.6	4871.3	4829.0	4620.1	4446.7	4217.9
70°	5827.3	5690.3	5718.9	5781.3	5718.9	5690.3	5827.3	5938.7	5909.6	5810.1	5614.4
67.5°	7632.6	7435.8	7346.5	7359.2	7346.5	7435.8	7632.6	7722.7	7687.8	7697.7	7655.8
65°	12782.1	12572.5	12426.2	12393.5	12426.2	12572.5	12782.1	12903.6	12950.4	12667.7	12773.6
62.5°	31190.1	30122.2	29355.9	29128.8	29355.9	30122.2	31190.1	32108.7	32721.9	32792.7	31421.2
60°	76559.9	75352.5	74416.6	74196.6	74416.6	75352.5	76559.9	77308.0	76751.3	76199.8	75761.7
57.5°	116685.4	114956.7	113910.2	113907.4	113910.2	114956.7	116685.4	118478.1	117352.2	114749.7	112419.8
55°	133358.4	132588.5	132153.8	132373.6	132153.8	132588.5	133358.4	134141.1	134837.5	130607.2	126089.4
52.5°	132064.7	132194.3	132274.9	132736.5	132274.9	132194.3	132064.7	131327.7	130372.4	127552.9	122337.3
50°	119618.5	119946.2	120221.0	120793.7	120221.0	119946.2	119618.5	118467.2	117319.9	115903.2	112415.3
47.5°	101095.3	100473.6	100061.7	100448.6	100061.7	100473.6	101095.3	101152.4	101362.6	102182.3	100736.4
45°	85012.5	84197.2	83556.9	83729.1	83556.9	84197.2	85012.5	85475.5	86484.7	88391.2	89129.5
42.5°	76285.9	75435.4	74831.6	74813.4	74831.6	75435.4	76285.9	77123.8	78183.7	79943.9	81575.1
40°	71123.9	70341.3	69760.1	69997.9	69760.1	70341.3	71123.9	71968.3	72966.6	74307.5	76308.4
37.5°	67122.7	66622.5	66285.7	66389.5	66285.7	66622.5	67122.7	67840.4	68688.1	69599.1	71441.5
35°	64550.0	64332.1	64168.1	64257.3	64168.1	64332.1	64550.0	64925.2	65493.7	66122.2	67426.3
32.5°	62951.0	63002.0	63043.4	63288.6	63043.4	63002.0	62951.0	63021.6	63210.8	63526.3	64283.2
30°	61531.0	61965.6	62252.6	62841.5	62252.6	61965.6	61531.0	61335.5	61297.0	61362.0	61805.0
27.5°	59563.4	60220.1	60591.7	61133.9	60591.7	60220.1	59563.4	59189.6	59048.1	59076.6	59358.7
25°	56615.6	57078.4	57435.7	57706.6	57435.7	57078.4	56615.6	56354.6	56234.1	56308.4	56643.8
22.5°	53336.2	53573.5	53818.4	53936.5	53818.4	53573.5	53336.2	53285.6	53219.2	53443.5	53827.6
20°	50803.6	50882.2	51090.5	51225.1	51090.5	50882.2	50803.6	50761.1	50872.5	51103.7	51421.4
17.5°	48918.4	48988.0	49197.7	49293.0	49197.7	48988.0	48918.4	48989.1	49089.8	49217.7	49480.4
15°	47077.6	47099.7	47292.3	47246.3	47292.3	47099.7	47077.6	47300.2	47360.6	47522.6	47780.2
12.5°	44786.8	44656.6	44710.8	44637.2	44710.8	44656.6	44786.8	44947.1	45119.9	45369.9	45708.2
10°	41987.0	41860.4	41784.1	41801.4	41784.1	41860.4	41987.0	42116.0	42324.7	42583.8	42989.6
7.5°	38795.8	38775.0	38688.3	38752.3	38688.3	38775.0	38795.8	38991.6	39182.0	39412.1	39870.1
5°	35221.9	35134.4	35072.9	35156.4	35072.9	35134.4	35221.9	35324.7	35497.3	35763.2	36027.7
2.5°	31245.6	31130.8	31114.1	31167.4	31114.1	31130.8	31245.6	31390.7	31476.6	31632.3	31893.9
0°	26972.6	26904.0	26873.7	26865.9	26873.7	26904.0	26972.6	27069.7	27204.5	27391.4	27653.6
-2.5°	22494.9	22408.0	22367.3	22365.0	22367.3	22408.0	22494.9	22590.6	22718.9	22899.9	23147.6
-5°	17996.9	17910.9	17872.6	17858.0	17872.6	17910.9	17996.9	18072.6	18173.5	18370.4	18583.7
-7.5°	13662.8	13661.9	13564.4	13561.4	13564.4	13661.9	13662.8	13747.7	13865.0	14018.8	14198.3
-10°	10267.8	10200.6	10123.6	10031.7	10123.6	10200.6	10267.8	10316.3	10389.4	10510.4	10684.1
-12.5°	8025.2	7956.6	7939.5	7904.5	7939.5	7956.6	8025.2	8070.9	8194.3	8326.0	8449.5
-15°	6754.3	6644.6	6651.6	6661.1	6651.6	6644.6	6754.3	6815.7	6954.8	7106.5	7215.1
-17.5°	6114.7	6019.1	5975.8	5988.5	5975.8	6019.1	6114.7	6243.7	6358.2	6514.2	6610.7
-20°	5732.2	5613.5	5543.0	5544.6	5543.0	5613.5	5732.2	5819.4	5962.7	6109.8	6199.8



REPORT NUMBER: P902106 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	5646.8	5563.1	5506.7	5507.5	5506.7	5563.1	5646.8	5739.9	5838.5	5962.2	6005.0
-25°	5728.4	5629.5	5572.6	5583.5	5572.6	5629.5	5728.4	5802.4	5898.4	5985.3	6042.5
-27.5°	5769.7	5662.5	5602.1	5619.5	5602.1	5662.5	5769.7	5887.3	5987.1	6056.8	6119.4
-30°	5808.0	5697.4	5635.4	5655.9	5635.4	5697.4	5808.0	5903.0	6011.5	6091.7	6176.7
-32.5°	5765.9	5642.0	5566.4	5566.2	5566.4	5642.0	5765.9	5906.2	6026.9	6130.8	6253.9
-35°	5694.0	5551.3	5468.8	5470.1	5468.8	5551.3	5694.0	5867.6	6017.6	6151.7	6270.2
-37.5°	5585.6	5440.7	5352.2	5357.9	5352.2	5440.7	5585.6	5795.7	5979.9	6120.8	6213.8
-40°	5451.6	5251.2	5186.7	5155.1	5186.7	5251.2	5451.6	5648.9	5824.3	5972.4	5998.5
-42.5°	5195.8	5041.2	4944.7	4952.0	4944.7	5041.2	5195.8	5351.9	5499.8	5619.4	5625.5
-45°	5027.9	4905.6	4825.4	4820.5	4825.4	4905.6	5027.9	5142.5	5246.7	5299.7	5250.6
-47.5°	4948.7	4882.3	4848.7	4867.5	4848.7	4882.3	4948.7	5028.8	5062.6	5045.6	4935.9
-50°	4971.0	4945.7	4950.2	5007.7	4950.2	4945.7	4971.0	4948.8	4910.8	4818.3	4662.0
-52.5°	4836.3	4887.4	4981.9	5078.9	4981.9	4887.4	4836.3	4759.7	4666.8	4493.7	4299.3
-55°	4418.0	4510.9	4684.0	4789.2	4684.0	4510.9	4418.0	4340.3	4224.2	4048.3	3909.5
-57.5°	4009.1	4081.0	4224.5	4330.2	4224.5	4081.0	4009.1	3905.3	3762.9	3633.9	3537.0
-60°	3527.1	3572.9	3657.0	3714.8	3657.0	3572.9	3527.1	3445.3	3340.8	3247.1	3154.0
-62.5°	2988.0	3012.6	3057.9	3084.8	3057.9	3012.6	2988.0	2954.7	2899.6	2852.2	2778.2
-65°	2588.6	2620.5	2647.9	2666.1	2647.9	2620.5	2588.6	2542.7	2500.1	2465.3	2420.8
-67.5°	2165.4	2197.5	2206.2	2198.3	2206.2	2197.5	2165.4	2134.8	2084.0	2053.7	1996.9
-70°	1739.4	1788.3	1828.4	1849.4	1828.4	1788.3	1739.4	1693.4	1661.2	1637.7	1612.0
-72.5°	1379.6	1437.1	1484.9	1510.8	1484.9	1437.1	1379.6	1326.9	1300.5	1282.4	1260.8
-75°	1045.1	1086.2	1142.8	1172.3	1142.8	1086.2	1045.1	1021.1	999.0	987.2	970.2
-77.5°	761.3	774.6	807.8	828.8	807.8	774.6	761.3	762.5	747.1	734.5	716.2
-80°	551.8	553.8	561.1	567.9	561.1	553.8	551.8	555.3	547.1	545.6	535.6
-82.5°	412.5	418.2	422.3	427.0	422.3	418.2	412.5	412.6	409.5	405.7	399.7
-85°	311.6	313.0	313.1	315.7	313.1	313.0	311.6	305.9	304.0	301.0	295.6
-87.5°	197.6	198.2	200.9	203.2	200.9	198.2	197.6	197.1	189.0	188.6	186.6
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	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°	77.3	77.7	76.7	79.4	78.3	77.1	75.5	74.0	71.4	70.5	65.9
85°	231.7	232.3	229.7	221.8	211.8	204.5	195.7	187.4	185.8	183.0	178.4
82.5°	560.2	550.9	543.0	512.3	461.9	433.7	409.9	386.8	375.6	365.9	355.5
80°	1104.8	1057.1	1083.8	1039.6	917.8	831.7	755.5	717.7	689.9	658.3	621.1
77.5°	1859.8	1757.6	1757.8	1719.4	1549.4	1383.4	1244.9	1157.9	1084.2	1020.1	960.4
75°	2713.5	2578.5	2519.5	2416.1	2202.1	1981.7	1776.3	1656.8	1570.1	1468.6	1369.6
72.5°	3909.3	3668.4	3448.7	3222.5	2982.1	2726.4	2460.5	2269.2	2161.8	2028.6	1872.8
70°	5282.1	4900.0	4530.6	4261.2	3986.3	3703.9	3401.6	3157.2	2978.9	2762.8	2491.1
67.5°	7477.3	7111.7	6557.3	5970.5	5704.6	5436.6	4970.2	4502.1	4295.2	3873.0	3418.1
65°	13157.7	13172.9	12531.7	11005.9	11084.7	10801.5	9512.6	8478.2	7768.9	6066.5	5136.1
62.5°	32070.9	33488.1	32987.6	29988.0	30234.7	29544.6	24573.0	22129.0	18839.7	13285.0	11406.4
60°	76309.9	75344.7	73475.2	72777.8	71306.5	65408.2	59171.9	51437.2	41813.2	33354.8	25464.0
57.5°	110308.5	108343.8	105680.3	104855.8	103010.1	96862.4	89203.2	78470.0	69372.5	58344.0	46730.3
55°	122226.0	119920.3	116263.2	114666.3	112836.1	108586.9	102822.1	92033.2	86419.5	76870.4	69126.2
52.5°	118413.5	115231.4	112418.4	110624.6	108334.5	105586.8	100762.0	93129.8	87511.9	83799.5	79434.3
50°	109065.2	106658.5	104889.8	103081.2	101408.4	99004.4	95143.7	88796.9	82925.4	80724.0	80192.7
47.5°	98782.9	97709.8	96773.2	95901.6	94803.7	92953.5	89734.3	84679.1	78883.4	74805.3	76171.6
45°	88443.1	88672.9	88682.0	88341.7	87749.3	87074.5	84912.9	81352.8	76175.3	71603.6	70591.5
42.5°	81368.5	81869.7	82160.4	82323.5	81804.2	81813.2	80812.8	78457.2	74889.3	70587.8	68619.3
40°	77167.1	77492.0	78546.0	78854.6	78731.7	78627.0	78409.0	76666.9	73710.7	70448.6	67725.8
37.5°	72963.5	74046.2	75841.7	76555.9	77014.5	77293.6	77435.9	76336.7	73853.2	70805.2	67516.2
35°	69214.7	70763.3	72360.2	73650.9	74627.5	75725.2	76469.5	76194.8	74242.1	71604.8	68590.7
32.5°	66041.8	67127.7	68208.5	69619.2	71030.5	72572.9	73781.4	74975.7	73912.0	71961.7	69346.3
30°	63033.4	63602.7	64254.4	65565.7	67042.9	68783.3	70427.0	71945.1	72306.8	71217.2	69636.8
27.5°	60343.0	60882.3	61243.9	62427.9	63792.5	65679.5	67592.6	69538.7	70688.4	70337.3	69292.1
25°	57595.6	58228.7	58646.2	59681.8	60992.0	63038.0	65225.8	67391.9	69413.1	69556.4	68994.0
22.5°	54692.3	55766.4	56184.6	57124.3	58541.9	60596.9	62953.8	65319.3	67583.4	68469.8	68053.4
20°	52189.4	53424.0	53954.7	54922.0	56318.4	58338.0	60759.4	63141.9	65736.2	67047.0	66654.3
17.5°	50233.5	51577.4	52087.7	52949.1	54262.8	56163.6	58507.9	60812.2	63221.4	64708.5	64608.5
15°	48486.5	49815.7	50414.1	51025.6	52190.5	53895.9	55977.8	58021.7	60211.8	61719.0	61757.9
12.5°	46377.8	47752.4	48243.0	48649.7	49758.1	51183.4	52974.1	54672.6	56519.1	57989.7	57968.0
10°	43638.3	44876.6	45370.7	45725.3	46616.9	47854.5	49164.1	50519.6	51975.1	53169.7	53306.9
7.5°	40398.9	41344.6	41846.5	42140.3	42819.4	43757.4	44748.5	45752.7	46881.0	47937.1	48196.4
5°	36490.2	37291.3	37685.9	37929.8	38413.2	39236.1	39994.7	40672.3	41589.6	42399.2	42686.4
2.5°	32264.1	32998.0	33230.4	33450.8	33864.5	34486.6	35041.4	35528.8	36194.3	36777.1	37019.2
0°	27979.9	28578.1	28668.2	28843.5	29126.7	29710.1	30070.2	30281.4	30779.5	31235.6	31405.1
-2.5°	23476.2	23986.9	24006.8	24140.9	24316.6	24724.9	24931.8	25060.5	25421.3	25659.1	25790.4
-5°	18883.6	19253.7	19272.0	19354.8	19456.9	19712.3	19874.8	19911.0	20183.1	20388.0	20491.9
-7.5°	14477.5	14760.2	14860.7	14926.6	14951.0	15128.6	15199.0	15175.7	15424.9	15614.0	15796.8
-10°	10905.0	11149.1	11243.5	11337.1	11354.8	11456.6	11529.6	11460.6	11624.1	11791.7	12045.6
-12.5°	8600.9	8739.0	8829.4	8873.8	8902.7	8992.2	8902.0	8874.6	8926.7	9088.4	9323.7
-15°	7298.2	7405.8	7471.0	7507.9	7523.9	7478.2	7295.8	7213.4	7224.2	7338.2	7483.5
-17.5°	6677.9	6744.1	6753.7	6723.1	6707.7	6592.3	6379.6	6251.7	6188.4	6231.4	6308.8
-20°	6312.0	6380.1	6359.2	6302.0	6255.7	6038.4	5786.1	5645.4	5586.5	5566.5	5538.9



REPORT NUMBER: P902106 (CONVERTED FROM TYPE C PHOTOMETRY)
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CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6080.9	6126.6	6029.4	5957.4	5897.6	5679.9	5416.1	5296.9	5237.3	5133.2	5024.4
-25°	6079.4	6054.8	5899.3	5761.4	5641.9	5363.1	5064.1	5017.0	4942.1	4849.1	4675.5
-27.5°	6167.5	6092.3	5871.7	5727.3	5513.3	5157.5	4886.5	4776.1	4684.8	4558.3	4413.5
-30°	6224.3	6120.4	5891.9	5711.4	5437.6	5037.4	4753.5	4613.7	4497.9	4352.7	4206.1
-32.5°	6271.0	6103.6	5860.2	5683.2	5363.3	4943.9	4666.0	4514.0	4342.7	4188.2	4039.9
-35°	6259.0	6048.8	5822.5	5617.7	5241.7	4848.3	4615.2	4432.7	4256.3	4082.4	3911.5
-37.5°	6168.8	5931.6	5788.3	5502.3	5131.2	4776.6	4556.6	4355.0	4167.3	3986.3	3797.4
-40°	5895.6	5651.3	5486.5	5244.7	4913.8	4625.3	4438.9	4239.5	4051.9	3857.2	3668.7
-42.5°	5447.3	5264.3	5101.3	4915.0	4631.6	4465.5	4293.5	4113.0	3899.5	3706.4	3522.0
-45°	5071.0	4932.2	4812.6	4630.4	4462.3	4334.5	4167.4	3952.3	3739.1	3539.9	3333.1
-47.5°	4774.7	4655.4	4547.4	4399.9	4275.3	4160.7	3999.8	3803.2	3569.6	3356.9	3141.3
-50°	4508.7	4430.3	4303.0	4150.5	4058.3	3959.1	3816.9	3626.9	3378.1	3147.9	2909.6
-52.5°	4169.5	4092.5	3977.7	3864.1	3794.6	3723.3	3613.9	3413.1	3162.5	2903.7	2682.0
-55°	3806.2	3733.1	3628.2	3530.7	3500.3	3448.5	3387.7	3178.8	2907.1	2654.9	2450.4
-57.5°	3449.6	3362.8	3275.7	3214.9	3176.1	3156.8	3112.8	2915.9	2642.5	2397.3	2200.9
-60°	3075.2	2992.3	2920.1	2859.2	2828.4	2831.4	2810.2	2632.7	2370.9	2146.1	1964.9
-62.5°	2711.6	2624.1	2583.1	2528.3	2475.2	2455.7	2428.6	2287.0	2066.7	1867.2	1716.3
-65°	2359.8	2291.6	2231.2	2178.3	2127.8	2084.0	2061.5	1941.1	1761.0	1600.0	1467.9
-67.5°	1969.6	1924.4	1860.1	1814.9	1789.6	1767.7	1732.9	1619.8	1474.5	1343.9	1227.6
-70°	1594.3	1580.0	1561.3	1534.9	1513.4	1484.3	1419.6	1305.3	1194.6	1097.4	1007.7
-72.5°	1246.7	1248.7	1253.8	1250.4	1239.5	1189.3	1093.6	1001.2	938.6	879.2	813.4
-75°	954.0	947.1	960.0	979.6	971.7	915.8	835.3	778.3	741.3	702.8	656.6
-77.5°	697.4	694.7	711.5	738.7	753.1	715.5	645.2	610.6	588.0	560.7	527.9
-80°	527.5	520.2	522.6	534.3	542.0	520.1	492.4	484.1	458.6	437.9	413.5
-82.5°	395.8	388.4	383.2	378.0	371.3	362.3	351.1	342.6	335.8	323.7	307.2
-85°	291.1	283.0	277.4	270.6	263.1	257.1	252.2	242.2	234.4	222.1	212.0
-87.5°	180.1	176.9	169.7	166.9	164.0	156.3	155.1	148.0	142.9	134.2	128.6
-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: P902106 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-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°	64.6	61.5	59.6	56.1	51.3	45.5	39.9	35.6	32.2	28.8	25.3
85°	172.0	163.7	155.3	145.1	129.1	110.2	91.4	75.1	64.4	57.6	50.6
82.5°	345.1	324.4	299.5	271.5	233.2	203.5	174.6	147.9	123.8	101.5	82.2
80°	586.8	546.2	500.8	459.4	406.0	346.9	288.9	230.4	185.3	153.1	126.0
77.5°	894.9	817.1	764.0	708.9	620.4	515.2	430.1	353.4	282.7	216.0	169.4
75°	1278.5	1202.3	1111.4	1010.0	873.1	740.8	607.6	483.7	387.6	306.4	233.0
72.5°	1745.5	1621.4	1499.2	1365.3	1186.3	985.5	790.4	634.9	505.1	394.9	307.0
70°	2326.4	2114.4	1900.9	1741.3	1503.1	1243.4	1006.6	790.7	626.7	494.8	379.1
67.5°	3109.5	2740.4	2447.5	2192.3	1825.6	1523.8	1220.5	962.4	755.0	592.8	458.7
65°	4530.5	3659.7	3288.0	2731.9	2321.6	1835.2	1461.9	1136.7	888.4	694.2	537.4
62.5°	7828.2	6313.8	4926.4	3992.1	3083.7	2297.7	1731.2	1330.7	1019.7	802.8	613.1
60°	17656.4	13038.6	8529.6	6598.5	4436.7	3043.2	2063.5	1528.3	1169.3	906.7	703.2
57.5°	36380.2	24771.9	17648.3	10541.4	7304.2	4149.1	2553.8	1774.8	1311.9	1024.8	790.6
55°	56253.6	43770.7	30232.8	20205.4	10964.6	6547.1	3277.7	2014.7	1499.3	1140.4	874.8
52.5°	72599.0	60390.8	46539.7	31907.4	19992.9	9423.6	4318.7	2453.1	1674.3	1249.4	967.4
50°	79635.2	72936.1	60590.1	46287.0	29515.2	14992.5	5943.4	2794.5	1861.7	1386.6	1057.4
47.5°	78239.4	78573.2	71817.6	58684.3	41972.1	20740.8	7761.2	3517.8	2109.6	1510.7	1143.2
45°	74709.7	78074.6	77637.0	70253.4	53043.8	29676.1	11523.9	4138.9	2324.1	1633.2	1236.9
42.5°	70713.2	76252.6	79785.3	76765.3	63847.0	39132.9	14424.1	4877.3	2610.1	1809.4	1339.6
40°	68714.8	73432.3	79634.8	82710.2	73523.3	48796.0	21339.9	6959.3	2861.6	1966.8	1437.7
37.5°	67277.3	71195.7	77638.2	82699.7	79153.5	59450.0	27481.0	8368.8	3093.3	2104.7	1530.5
35°	66709.7	69134.5	74938.2	82645.1	84476.6	68924.9	33794.1	10595.5	3658.9	2271.4	1637.3
32.5°	66936.1	67914.6	72703.5	79864.5	84050.4	73688.0	42530.4	14399.6	4381.2	2446.9	1745.8
30°	67107.8	66585.9	70244.3	76876.3	84124.5	77803.1	50292.9	16969.7	4883.4	2602.2	1842.3
27.5°	67170.9	66000.7	68566.4	74432.1	81727.4	79400.3	55434.5	18661.7	5087.6	2737.5	1928.2
25°	67136.3	65161.8	66936.3	71844.6	78658.7	77437.1	57511.1	23970.4	6124.9	2877.9	2003.6
22.5°	66567.3	64449.9	65158.3	69194.3	75192.2	76170.0	58917.4	27858.6	7380.5	3090.8	2074.5
20°	65731.3	63405.3	63500.8	66557.3	72040.5	74378.5	59582.3	30714.7	7994.2	3231.6	2146.9
17.5°	64090.4	61577.9	61104.0	63684.9	68316.8	70445.6	58843.9	32301.3	8165.1	3340.8	2204.3
15°	61094.3	59141.4	58131.0	60437.8	64526.2	66360.4	56301.4	32550.0	8078.7	3410.1	2241.5
12.5°	57414.0	55914.2	55087.5	56783.8	60604.7	62372.8	53015.9	31553.8	7614.8	3452.9	2257.3
10°	53128.8	52029.4	51475.6	53028.6	56176.3	57850.5	49309.0	29689.7	8159.7	3476.3	2258.9
7.5°	48310.9	47559.1	47184.4	48780.2	51600.6	52864.1	44327.2	26848.1	8373.8	3475.2	2246.3
5°	42979.0	42582.8	42479.3	43885.4	46237.0	47283.2	38805.9	23384.6	8046.0	3425.8	2217.8
2.5°	37435.8	37240.3	37422.8	38697.3	40543.7	40931.8	32454.8	19531.4	7417.6	3344.0	2177.4
0°	31869.5	31774.6	32049.8	33204.3	34592.0	34177.2	25753.4	15259.0	6490.5	3240.1	2126.0
-2.5°	26122.9	26093.0	26597.6	27656.0	28698.8	27610.2	20349.8	12457.6	5828.3	3110.5	2067.9
-5°	20907.8	21000.0	21651.1	22620.4	23269.3	21380.5	15032.5	9604.1	5112.7	2965.1	2001.0
-7.5°	16209.5	16552.4	17251.6	18078.0	18431.7	16492.1	11925.5	7878.5	4502.3	2810.0	1926.7
-10°	12424.2	12836.6	13440.0	14286.4	14440.6	12484.7	9077.0	6399.8	3979.3	2653.5	1849.7
-12.5°	9612.7	9895.2	10513.9	11122.3	10803.7	9422.7	7394.5	5363.9	3541.2	2490.6	1768.2
-15°	7626.0	7790.0	8225.0	8391.9	8276.9	7413.7	5923.4	4561.3	3268.6	2334.5	1682.4
-17.5°	6265.3	6339.5	6469.8	6626.3	6505.0	5900.6	5027.2	3983.4	2998.8	2189.9	1601.1
-20°	5401.4	5366.4	5381.4	5439.1	5299.6	5014.2	4300.1	3592.6	2763.4	2045.1	1522.5



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CANDELA DISTRIBUTION (continued):

	47.5°	50°	52.5°	55°	57.5°	60°	62.5°	65°	67.5°	70°	72.5°
-22.5°	4872.1	4748.0	4752.5	4621.7	4608.8	4308.5	3879.9	3243.8	2555.6	1915.2	1440.8
-25°	4523.5	4389.2	4301.7	4229.3	4080.4	3909.4	3506.6	2985.7	2359.3	1797.4	1366.9
-27.5°	4275.1	4132.6	4014.1	3921.4	3820.9	3573.4	3251.4	2749.2	2202.3	1701.8	1307.2
-30°	4069.6	3925.3	3808.3	3713.9	3601.1	3372.0	3018.7	2560.2	2066.9	1611.3	1243.6
-32.5°	3908.6	3776.1	3651.3	3568.7	3444.2	3180.4	2820.0	2388.2	1933.6	1523.4	1176.3
-35°	3771.4	3635.3	3508.3	3422.8	3288.3	3012.0	2645.0	2224.1	1805.3	1432.3	1107.5
-37.5°	3636.4	3486.3	3346.3	3251.4	3106.5	2836.5	2470.0	2070.4	1685.8	1344.8	1042.7
-40°	3505.3	3346.2	3196.0	3084.1	2931.6	2653.3	2288.3	1914.7	1572.7	1257.7	980.0
-42.5°	3360.8	3185.8	3019.1	2885.3	2727.4	2460.2	2101.5	1753.8	1450.9	1165.1	913.4
-45°	3166.9	3001.2	2843.7	2699.8	2524.9	2258.6	1925.6	1611.8	1330.1	1067.3	842.8
-47.5°	2962.2	2805.4	2664.3	2518.2	2322.2	2060.0	1752.5	1472.1	1214.8	982.8	775.5
-50°	2743.3	2610.0	2477.9	2330.6	2118.8	1864.7	1593.7	1334.4	1098.2	894.9	712.8
-52.5°	2545.7	2419.3	2291.4	2127.0	1914.3	1671.9	1431.9	1204.4	992.7	804.1	647.9
-55°	2319.2	2210.9	2097.0	1940.4	1719.7	1492.9	1276.8	1070.6	889.3	728.2	582.7
-57.5°	2078.8	1983.3	1889.1	1752.4	1542.4	1319.6	1123.9	953.2	786.5	651.8	529.9
-60°	1834.1	1741.8	1666.3	1558.7	1362.2	1147.5	982.7	834.7	699.7	578.0	476.4
-62.5°	1586.0	1491.0	1433.5	1342.7	1163.3	984.1	847.3	731.5	610.9	516.0	421.9
-65°	1343.7	1240.2	1182.6	1092.8	968.8	826.5	728.9	629.4	538.8	453.4	376.8
-67.5°	1129.6	1035.9	965.7	893.4	779.9	700.8	617.9	546.1	470.4	397.6	331.1
-70°	934.2	858.6	790.4	728.8	654.7	586.1	531.0	470.4	407.4	345.9	285.9
-72.5°	755.2	702.9	650.4	593.5	547.0	498.6	448.4	401.8	348.9	294.7	248.1
-75°	607.9	571.3	535.8	497.4	455.2	417.9	377.7	335.9	293.6	252.4	210.0
-77.5°	495.8	465.3	438.5	410.2	379.3	345.1	310.1	279.2	245.8	209.7	174.1
-80°	391.9	369.3	350.3	329.3	305.8	280.0	252.8	225.7	198.4	169.5	142.0
-82.5°	293.9	280.6	269.8	254.0	234.4	216.5	195.3	174.5	154.5	129.9	109.2
-85°	204.5	197.9	191.3	180.6	167.2	155.3	137.4	123.6	109.3	88.5	73.7
-87.5°	118.4	111.1	105.2	97.8	89.2	81.9	70.4	62.5	54.8	44.3	36.9
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	22.4	18.7	15.0	11.3	7.5	3.6	0.0
85°	44.7	37.4	30.0	22.6	15.1	7.1	0.0
82.5°	67.0	56.0	44.9	33.8	22.5	10.7	0.0
80°	101.8	77.4	59.8	44.9	30.0	14.2	0.0
77.5°	137.7	105.5	76.9	56.0	37.3	17.7	0.0
75°	172.8	133.3	97.8	67.0	44.6	21.2	0.0
72.5°	226.2	160.5	118.3	80.4	51.7	24.7	0.0
70°	284.7	196.9	138.3	94.1	58.7	28.1	0.0
67.5°	341.9	242.8	157.7	107.5	65.6	31.5	0.0
65°	401.8	287.5	184.6	120.5	73.0	34.8	0.0
62.5°	464.5	330.7	217.9	133.0	80.7	38.0	0.0
60°	524.8	376.4	250.2	145.1	88.2	41.2	0.0
57.5°	582.6	425.4	281.4	157.4	95.5	44.4	0.0
55°	654.1	473.0	311.3	178.2	102.5	47.4	0.0
52.5°	723.2	519.1	341.4	197.9	109.2	50.4	0.0
50°	788.3	562.1	375.3	216.3	115.7	53.3	0.0
47.5°	851.2	610.7	406.8	233.5	121.9	56.1	0.0
45°	922.4	656.3	434.6	249.3	127.8	58.8	0.0
42.5°	990.6	698.9	460.0	263.8	133.3	61.5	0.0
40°	1054.8	738.3	483.0	277.0	138.5	64.0	0.0
37.5°	1114.1	774.5	503.5	289.0	143.4	66.4	0.0
35°	1179.4	813.8	525.5	302.7	150.3	68.8	0.0
32.5°	1245.5	852.6	546.7	316.0	157.4	71.2	0.0
30°	1306.0	887.9	565.6	327.9	163.7	73.4	0.0
27.5°	1357.5	919.5	582.8	338.3	169.7	75.5	0.0
25°	1402.2	947.5	597.4	347.1	175.0	77.3	0.0
22.5°	1441.0	971.5	609.6	354.4	179.7	79.0	0.0
20°	1478.0	990.8	619.1	360.3	183.7	80.6	0.0
17.5°	1511.2	1005.9	626.2	365.5	187.1	81.9	0.0
15°	1532.6	1018.9	630.7	369.5	189.8	83.1	0.0
12.5°	1545.0	1029.6	633.2	372.1	192.0	84.1	0.0
10°	1548.8	1033.1	633.5	373.3	193.5	84.9	0.0
7.5°	1541.9	1029.8	631.4	373.2	194.4	85.6	0.0
5°	1526.4	1021.7	626.9	371.8	194.7	86.1	0.0
2.5°	1503.6	1008.9	620.3	369.1	194.5	86.4	0.0
0°	1474.1	991.5	611.6	365.3	193.8	86.6	0.0
-2.5°	1447.0	975.9	606.6	363.7	193.4	86.6	0.0
-5°	1414.4	956.1	599.7	361.0	192.5	86.5	0.0
-7.5°	1376.8	932.1	590.9	357.3	191.1	86.2	0.0
-10°	1334.9	904.1	580.4	352.4	189.2	85.8	0.0
-12.5°	1289.2	875.5	568.3	346.6	186.8	85.2	0.0
-15°	1239.9	847.9	555.4	339.8	183.9	84.4	0.0
-17.5°	1187.7	821.5	543.2	331.9	180.6	83.5	0.0
-20°	1135.3	796.1	529.4	323.5	176.8	82.4	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1087.3	768.7	514.0	315.0	172.5	81.2	0.0
-25°	1039.9	741.5	497.0	305.6	167.8	79.8	0.0
-27.5°	992.1	712.8	478.4	295.4	162.7	78.3	0.0
-30°	944.7	681.8	458.5	284.2	157.3	76.6	0.0
-32.5°	896.8	648.4	437.8	272.2	151.7	74.8	0.0
-35°	845.8	612.9	415.8	259.3	145.8	72.9	0.0
-37.5°	794.5	577.8	394.1	246.9	140.0	70.8	0.0
-40°	746.0	546.3	375.1	236.7	135.8	68.5	0.0
-42.5°	697.2	513.6	355.0	225.9	131.3	66.0	0.0
-45°	647.4	479.7	333.8	214.6	126.5	63.4	0.0
-47.5°	595.8	444.6	311.6	202.8	121.4	60.7	0.0
-50°	551.6	408.6	288.6	190.4	116.1	57.8	0.0
-52.5°	507.8	379.3	264.9	177.4	110.5	54.8	0.0
-55°	462.9	349.2	245.9	163.9	104.8	51.7	0.0
-57.5°	417.0	318.3	227.5	150.0	98.8	48.5	0.0
-60°	379.1	286.6	208.4	140.2	92.6	45.2	0.0
-62.5°	340.5	258.2	188.7	130.4	86.2	41.8	0.0
-65°	301.3	232.6	168.4	120.3	79.6	38.3	0.0
-67.5°	265.7	206.3	150.8	109.9	72.6	34.7	0.0
-70°	233.1	179.5	136.3	99.3	65.0	31.0	0.0
-72.5°	199.9	156.2	121.5	88.5	57.2	27.3	0.0
-75°	168.4	136.2	106.3	77.2	49.3	23.5	0.0
-77.5°	143.2	115.8	90.8	64.6	41.2	19.7	0.0
-80°	117.7	95.0	73.7	51.9	33.1	15.8	0.0
-82.5°	91.4	72.1	55.5	39.1	24.9	11.9	0.0
-85°	61.1	48.2	37.1	26.1	16.6	7.9	0.0
-87.5°	30.6	24.1	18.6	13.1	8.3	4.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)