

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: P902069 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/13/2024

Test Information

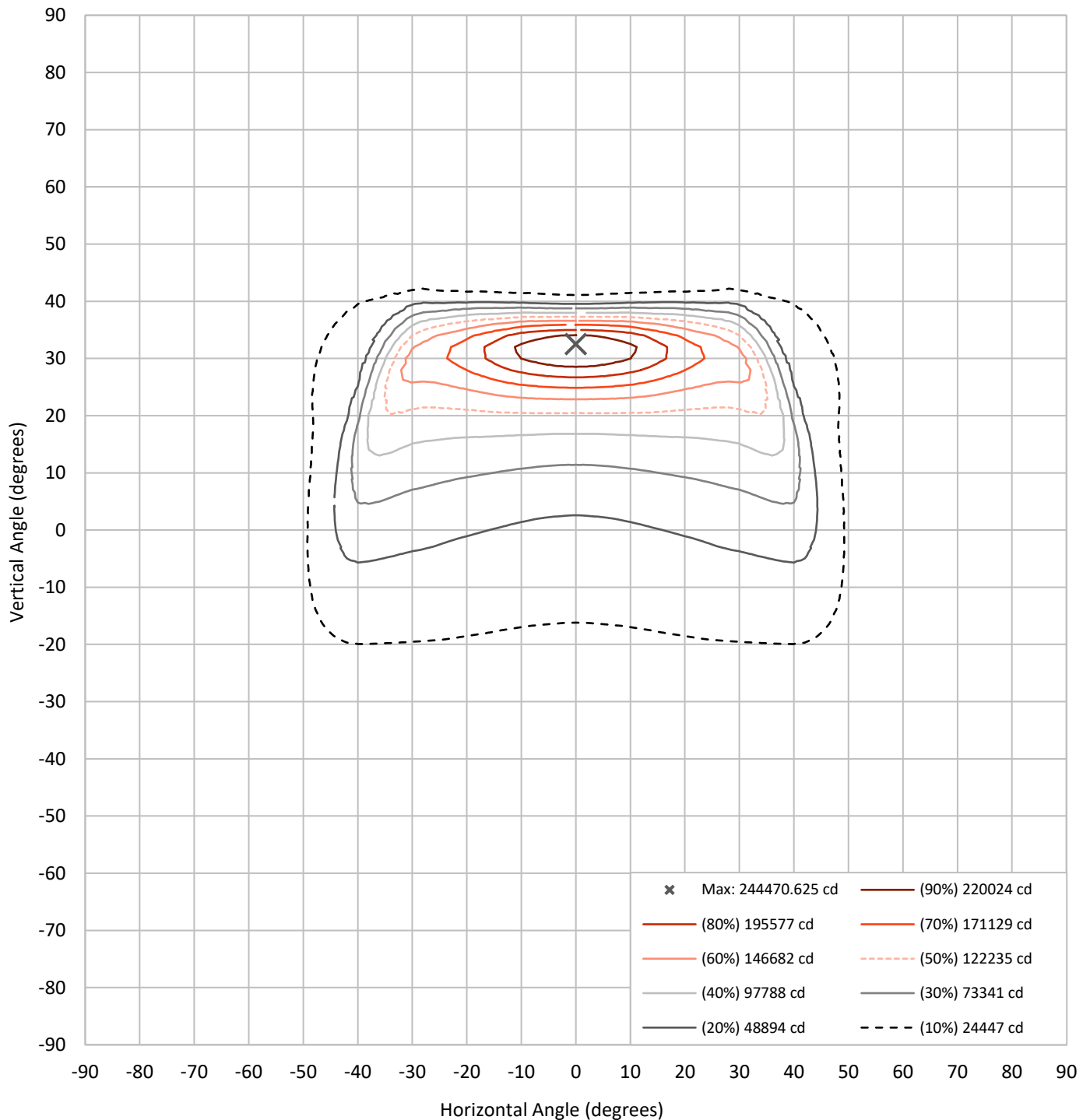
Test Method: LM-79-08
Report Number: P902069 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVM2J47600)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A35-NWB-LTM
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A35-NWB-LTM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	136050.2 lumens	Max Intensity:	244470.6 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 32.5°V
Efficacy:	96.3 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	63.4°H x 16.8°V	Field Angle (10%):	92.9°H x 57.3°V
Beam Lumens:	52229.9 lumens	Field Lumens:	121933 lumens
Beam Efficiency:	38.4%	Field Efficiency:	89.6%
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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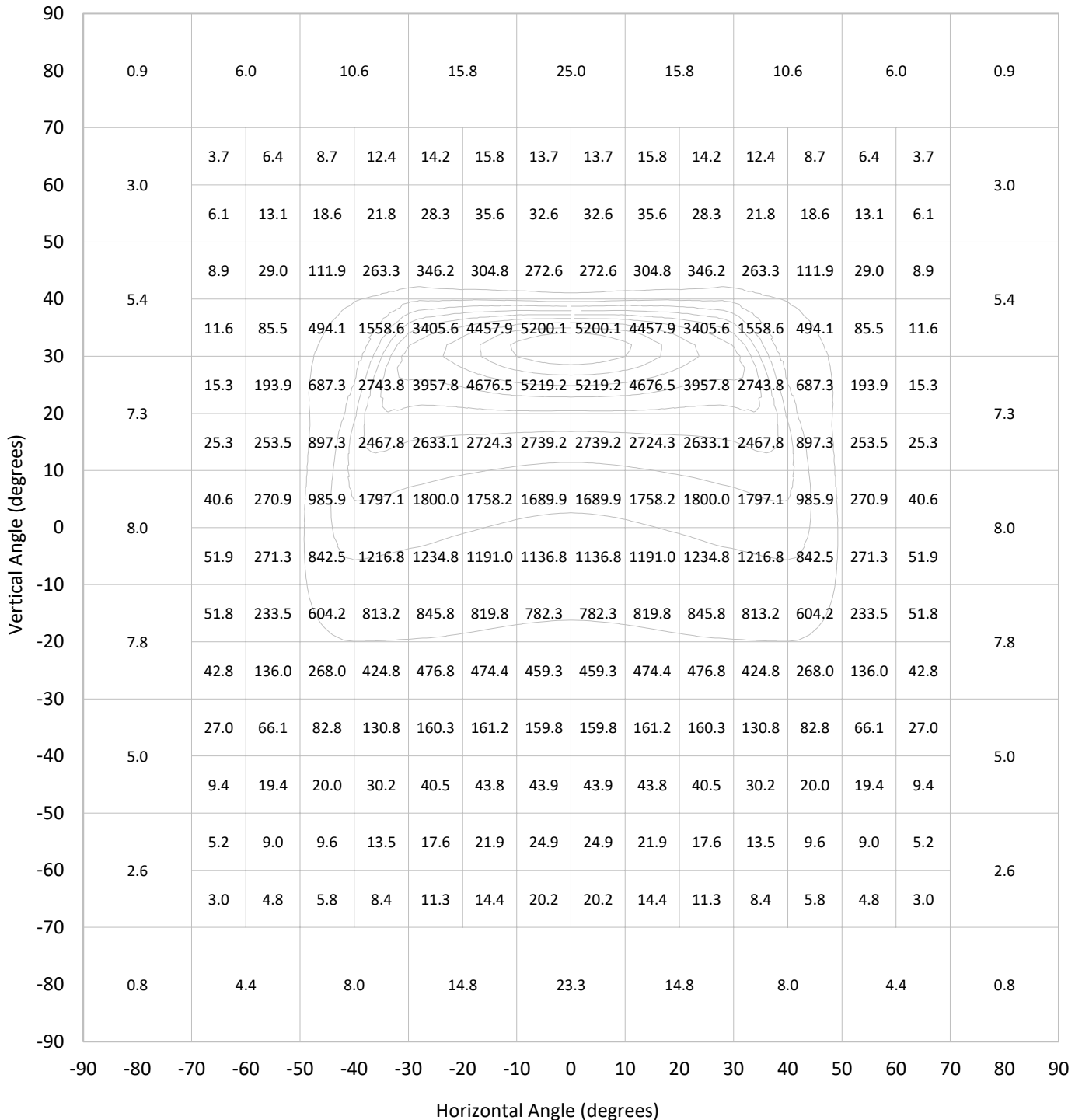
Iso-Candela Plot





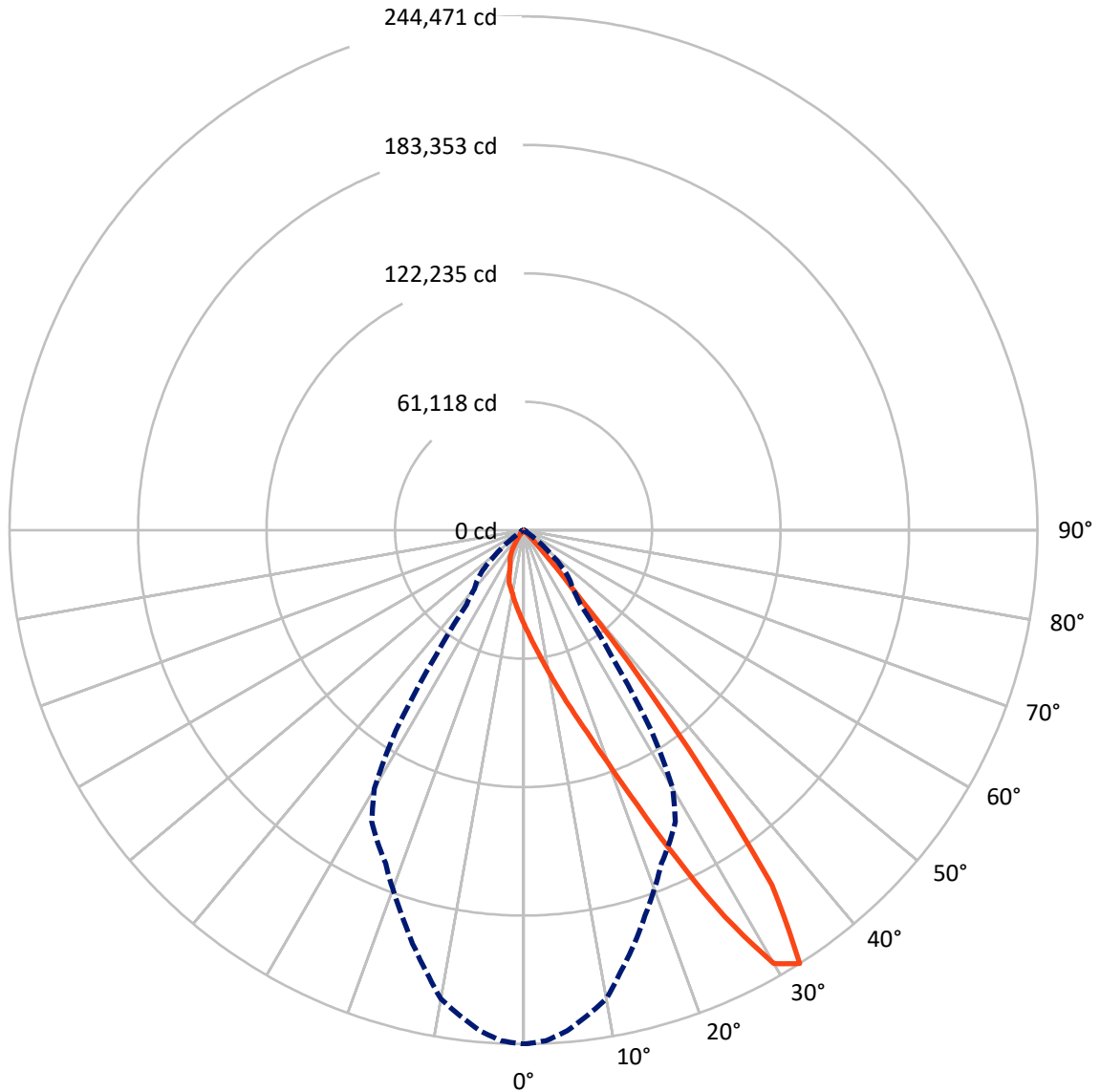
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Lumen Table



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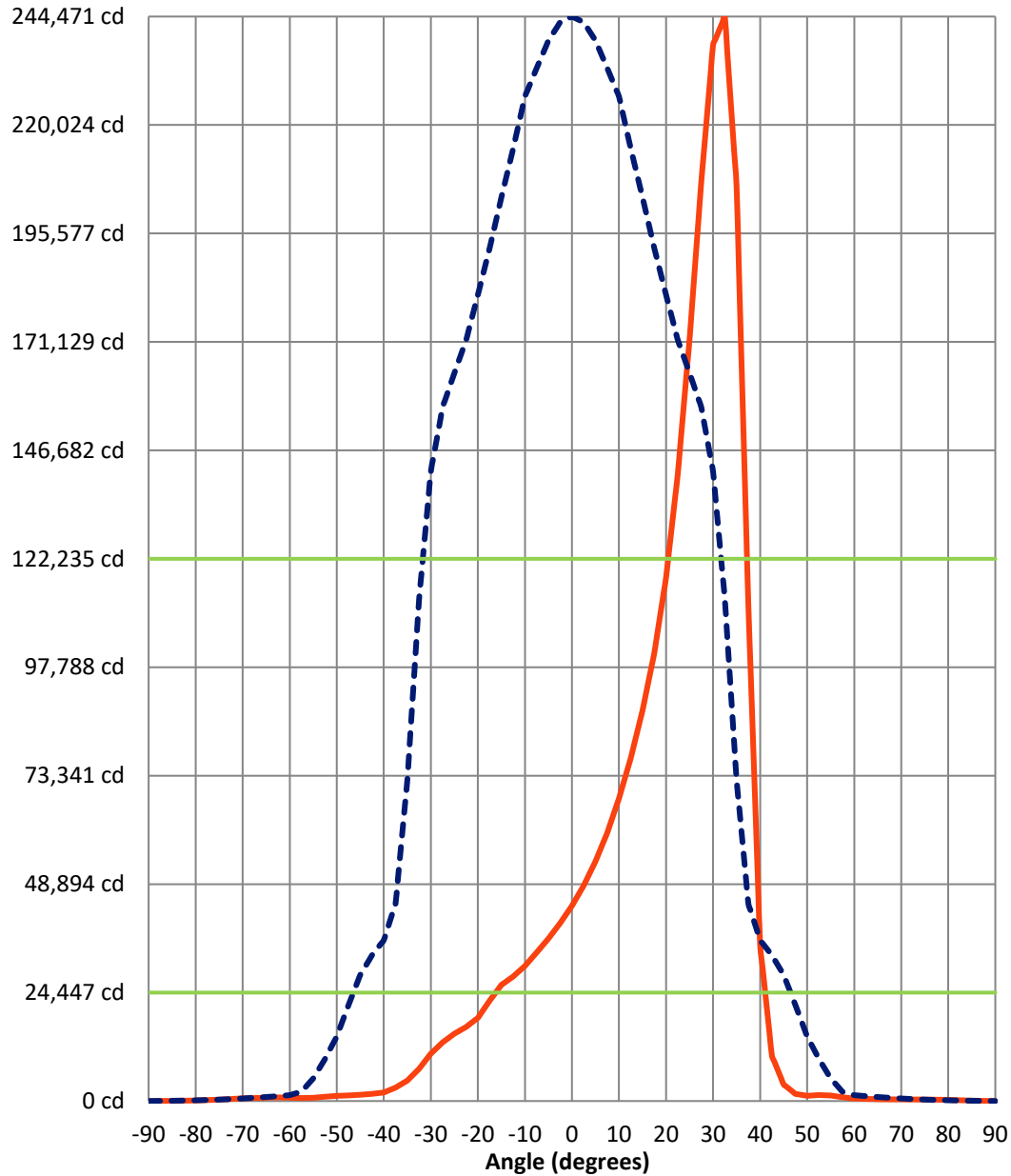
Luminous Intensity Polar Plot



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

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Luminous Intensity Plot



Beam:
 H Angle: 63.4°
 V Angle: 16.8°
 Lumens: 52229.9
 Efficiency: 38.4%

Field:
 H Angle: 92.9°
 V Angle: 57.3°
 Lumens: 121933
 Efficiency: 89.6%

Spill:
 Lumens: 14117.2
 Efficiency: 10.4%

- 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	1.8	3.6	5.3	7.1	9.4	12.3	14.4	14.8	18.3	20.2
85°	0.0	3.6	7.1	10.7	14.2	18.7	24.6	28.7	29.6	36.4	40.7
82.5°	0.0	5.3	10.7	16.0	21.3	27.9	36.8	42.9	46.9	57.5	64.6
80°	0.0	7.1	14.2	21.3	28.3	36.7	46.8	56.9	65.3	78.7	89.2
77.5°	0.0	8.9	17.7	26.5	35.1	44.4	56.3	70.4	84.2	101.8	116.4
75°	0.0	10.6	21.2	31.7	41.2	51.9	65.7	86.4	105.1	125.1	144.8
72.5°	0.0	12.3	24.6	36.7	47.4	59.4	79.9	104.1	125.5	151.7	176.7
70°	0.0	14.0	28.0	41.4	53.5	69.4	95.4	121.7	150.2	179.8	209.6
67.5°	0.0	15.7	31.3	46.1	59.6	82.2	110.6	142.0	174.9	209.3	245.0
65°	0.0	17.3	34.5	50.8	67.6	94.7	126.3	162.1	199.4	240.2	282.3
62.5°	0.0	18.9	37.5	55.3	77.0	107.0	142.9	181.5	223.6	272.4	326.8
60°	0.0	20.5	40.4	59.7	86.0	119.5	159.1	200.1	246.3	310.1	371.0
57.5°	0.0	22.0	43.2	64.2	94.5	132.3	175.0	217.7	274.8	345.3	415.0
55°	0.0	23.5	45.9	70.0	102.5	144.4	189.6	235.0	304.5	381.3	457.1
52.5°	0.0	25.0	48.5	75.6	110.3	155.8	203.9	260.1	333.4	418.1	507.1
50°	0.0	26.3	51.0	81.0	119.3	166.9	218.2	285.4	367.5	456.9	555.9
47.5°	0.0	27.7	53.4	86.1	128.0	179.0	233.2	309.7	400.8	499.0	609.4
45°	0.0	29.0	55.7	91.0	136.4	190.4	252.8	334.5	431.5	539.5	664.2
42.5°	0.0	30.2	57.8	95.6	144.1	201.3	270.9	358.7	464.3	583.5	719.1
40°	0.0	31.4	59.9	100.0	151.2	211.4	287.5	381.1	495.5	629.0	775.7
37.5°	0.0	32.5	61.8	104.1	157.6	220.9	302.5	401.4	525.2	669.4	826.4
35°	0.0	33.5	64.1	108.6	163.8	231.0	317.3	423.2	555.6	707.0	871.8
32.5°	0.0	34.4	66.6	113.0	169.4	240.8	330.7	444.4	585.0	741.6	913.1
30°	0.0	35.2	68.8	117.0	174.4	250.1	342.0	462.4	610.8	770.5	952.1
27.5°	0.0	36.0	71.0	120.7	179.7	258.6	352.7	477.8	631.4	794.8	988.1
25°	0.0	36.7	73.0	124.0	184.8	266.4	362.6	490.8	648.2	819.1	1031.2
22.5°	0.0	37.3	74.9	126.9	189.6	273.7	371.3	503.9	662.6	842.0	1070.5
20°	0.0	37.9	76.5	129.5	193.9	280.6	379.9	515.8	674.6	862.6	1109.2
17.5°	0.0	38.4	78.0	132.1	197.8	286.2	389.7	524.9	685.1	882.9	1145.8
15°	0.0	38.8	79.3	134.3	201.2	290.9	398.3	533.5	693.3	904.2	1209.9
12.5°	0.0	39.2	80.4	136.2	203.6	295.0	405.3	542.3	701.3	923.0	1331.8
10°	0.0	39.5	81.3	137.8	205.2	298.6	410.7	549.0	708.3	955.6	1479.7
7.5°	0.0	39.8	82.0	139.0	206.2	301.5	415.6	554.1	712.4	993.7	1669.8
5°	0.0	39.9	82.5	139.9	206.6	303.5	419.3	559.2	720.0	1042.4	1868.3
2.5°	0.0	40.0	82.8	140.4	206.4	304.5	421.6	562.3	727.1	1103.7	2108.5
0°	0.0	40.1	82.9	140.6	205.7	304.4	422.3	563.4	731.8	1156.8	2325.4
-2.5°	0.0	40.0	82.8	139.9	205.4	303.9	422.3	569.6	758.7	1250.4	2558.0
-5°	0.0	39.9	82.5	138.9	204.6	302.2	420.7	573.3	781.7	1324.8	2742.7
-7.5°	0.0	39.8	82.0	137.5	203.3	299.6	417.5	574.2	811.1	1419.2	2916.2
-10°	0.0	39.5	81.3	135.8	201.4	295.8	412.4	576.8	866.2	1516.1	3039.3
-12.5°	0.0	39.2	80.4	133.9	198.8	290.6	405.1	575.4	906.8	1594.3	3069.0
-15°	0.0	38.8	79.3	131.6	195.6	284.0	395.9	567.9	950.6	1704.9	3026.6
-17.5°	0.0	38.4	78.0	129.2	191.8	276.9	384.8	556.3	989.8	1795.1	3023.5
-20°	0.0	37.9	76.5	126.6	187.5	269.5	372.0	538.2	988.4	1878.2	3038.5



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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	37.3	74.9	123.8	182.7	261.3	359.7	510.2	932.1	1938.0	3057.3
-25°	0.0	36.7	73.0	120.8	177.5	252.4	347.1	485.5	809.4	1958.6	3081.7
-27.5°	0.0	36.0	71.0	117.4	171.8	242.8	333.2	467.2	743.2	1763.0	3086.1
-30°	0.0	35.2	68.8	113.8	165.7	232.5	318.4	445.5	686.2	1493.2	2817.0
-32.5°	0.0	34.4	66.4	109.8	159.0	221.6	303.0	420.1	621.8	1207.5	2345.1
-35°	0.0	33.5	63.9	105.5	151.9	210.0	286.2	390.0	555.4	897.4	1712.9
-37.5°	0.0	32.5	61.4	101.1	144.7	198.9	269.4	360.8	501.0	725.6	1237.6
-40°	0.0	31.4	59.4	96.8	138.3	189.3	254.4	338.1	458.2	642.5	967.7
-42.5°	0.0	30.2	57.3	92.3	131.4	179.3	239.0	315.3	415.5	557.8	752.2
-45°	0.0	29.0	55.1	87.7	124.3	168.9	223.1	292.5	373.1	490.7	645.4
-47.5°	0.0	27.7	52.8	82.9	116.9	158.2	206.4	270.7	345.9	443.8	562.5
-50°	0.0	26.3	50.4	77.9	109.4	147.1	192.8	249.3	317.5	397.6	492.3
-52.5°	0.0	25.0	48.0	72.9	101.7	137.2	179.5	226.8	288.0	360.2	441.7
-55°	0.0	23.5	45.4	67.6	94.7	127.3	165.6	203.9	261.0	325.8	387.3
-57.5°	0.0	22.0	42.8	62.3	87.8	117.0	151.1	187.1	232.6	290.9	344.2
-60°	0.0	20.5	40.0	58.1	80.6	106.4	138.0	170.3	205.1	258.1	301.5
-62.5°	0.0	18.9	37.3	54.0	73.3	96.5	124.5	152.9	185.4	224.0	264.1
-65°	0.0	17.3	34.4	49.7	65.9	87.0	110.5	136.2	164.9	197.0	227.5
-67.5°	0.0	15.7	31.3	45.4	59.1	77.1	97.2	119.0	144.1	171.1	194.6
-70°	0.0	14.0	28.0	40.9	53.2	66.9	84.5	101.8	122.5	144.8	164.1
-72.5°	0.0	12.3	24.6	36.4	47.3	58.0	71.6	86.8	100.6	118.9	135.7
-75°	0.0	10.6	21.2	31.7	41.2	50.4	59.5	71.6	84.3	95.9	108.1
-77.5°	0.0	8.9	17.7	26.5	35.0	42.8	49.8	57.5	68.1	78.0	86.1
-80°	0.0	7.1	14.2	21.3	28.3	35.0	39.9	45.5	53.3	60.4	66.1
-82.5°	0.0	5.3	10.7	16.0	21.3	26.5	30.0	33.3	38.7	44.0	48.2
-85°	0.0	3.6	7.1	10.7	14.2	17.7	20.0	21.9	24.9	27.8	30.9
-87.5°	0.0	1.8	3.6	5.3	7.1	8.9	10.0	10.9	12.4	13.9	15.4
-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):

	-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°	22.0	20.5	19.6	18.3	16.6	13.2	12.3	12.9	13.5	14.0	14.5
85°	45.2	43.4	40.6	38.3	34.4	26.8	24.7	25.7	26.8	27.9	28.8
82.5°	71.3	69.9	63.5	61.0	57.5	50.3	48.1	49.4	51.4	51.6	53.9
80°	98.6	100.1	94.1	89.4	88.3	85.7	83.8	85.0	88.4	88.7	91.6
77.5°	127.1	132.2	128.9	124.0	121.5	127.3	127.4	128.8	130.2	129.3	130.3
75°	160.5	169.1	167.8	162.9	158.0	165.0	172.0	176.5	178.3	173.7	172.9
72.5°	195.6	210.3	213.9	206.7	200.1	208.5	220.2	230.2	245.3	242.9	231.1
70°	237.7	255.6	261.8	254.9	248.4	255.5	282.9	307.4	324.5	338.6	338.6
67.5°	280.7	305.7	312.2	304.9	295.9	302.6	359.8	372.8	376.1	410.3	403.2
65°	329.7	360.5	370.0	358.4	353.8	359.7	418.4	400.2	394.5	434.0	471.6
62.5°	381.5	426.4	436.5	432.7	425.0	427.3	444.0	435.1	407.3	449.0	514.1
60°	438.0	492.4	514.3	518.9	510.6	500.2	497.6	516.2	521.2	539.6	588.0
57.5°	491.0	558.4	601.2	617.3	612.0	592.9	602.5	640.6	669.5	676.0	674.7
55°	544.5	630.1	692.6	726.5	751.3	763.4	768.6	797.1	836.9	824.9	796.4
52.5°	601.3	700.5	784.9	864.2	958.4	1035.7	1022.0	1017.3	1066.6	1056.1	994.9
50°	664.9	779.3	890.2	1053.3	1282.2	1412.0	1414.1	1444.6	1482.4	1482.9	1441.5
47.5°	729.9	862.1	1029.4	1276.9	1623.4	1865.7	2071.3	2236.5	2301.2	2634.3	2817.6
45°	802.4	951.7	1147.6	1454.3	1966.8	2528.6	3032.1	3443.2	4545.1	5876.1	6414.7
42.5°	870.7	1030.5	1250.9	1661.0	2483.8	3388.5	4386.2	6646.7	9885.6	12905.8	15441.0
40°	932.4	1098.2	1341.7	1843.0	3154.2	4843.7	7783.6	12248.2	17752.4	23167.7	25558.3
37.5°	987.8	1159.8	1450.3	2455.7	4698.9	7508.7	12174.3	18892.7	25783.9	29635.7	32692.9
35°	1041.1	1230.6	1585.9	3050.1	6758.1	10804.0	17464.9	24960.3	30393.9	33830.3	38908.7
32.5°	1100.6	1334.2	2108.5	5110.5	9488.8	14571.9	21644.7	28451.4	32875.1	36264.8	44537.9
30°	1160.9	1449.7	2621.3	7263.4	11830.2	17613.5	24706.6	29868.2	33025.0	38221.7	56330.9
27.5°	1230.8	1736.6	3957.8	9141.5	13968.9	19704.8	25615.7	29657.5	33402.1	43051.3	70361.5
25°	1323.7	2189.0	5592.2	10916.9	15528.1	21212.3	25997.5	29149.8	33786.1	48062.4	85018.8
22.5°	1426.7	2640.9	7091.3	12639.5	16675.3	21899.6	25780.2	29424.4	37707.9	59317.4	97691.4
20°	1542.6	3179.4	8475.5	13533.5	17580.0	22076.5	25403.6	29870.1	41106.7	67608.7	106347.2
17.5°	1763.7	4361.8	9738.3	14143.2	18126.2	22089.2	25248.6	31695.8	47567.8	77423.5	105165.9
15°	2160.3	5468.7	10774.1	14525.0	18382.6	21894.8	25785.9	34315.6	53190.4	84408.5	103692.8
12.5°	2626.7	6462.0	11561.0	14771.6	18355.2	21731.1	26353.0	36564.7	57498.7	85416.4	96395.1
10°	3093.0	7366.9	12096.7	14988.8	18289.4	21687.2	26940.6	38886.3	61446.2	82933.2	89183.3
7.5°	3630.6	8140.6	12298.9	15139.6	18251.2	21717.1	27676.3	41533.7	63096.5	79015.8	81906.8
5°	4149.5	8773.5	12474.6	15287.5	18197.0	21787.8	28820.5	43274.8	62710.0	73914.3	74557.2
2.5°	4696.1	9261.6	12632.6	15376.8	18137.4	21859.8	29627.8	44089.7	60616.3	68053.7	67583.0
0°	5184.3	9613.0	12755.7	15418.9	18079.3	21903.7	30101.5	43894.0	57043.4	61772.1	61052.6
-2.5°	5577.7	9783.8	12840.2	15400.3	17967.6	21937.3	30269.4	42785.1	52770.9	55754.4	55117.3
-5°	5875.5	9842.6	12848.0	15290.8	17725.9	21800.2	29928.1	40937.7	48408.1	50213.9	49641.6
-7.5°	6022.3	9775.0	12787.3	15112.8	17337.6	21405.9	29117.2	38608.6	44263.6	45262.5	44690.1
-10°	6071.5	9647.8	12669.2	14888.7	16810.1	20705.1	28044.9	36150.4	40549.0	40978.3	40288.9
-12.5°	5954.3	9458.5	12397.8	14604.5	16234.9	19628.7	26455.1	33744.8	37595.6	37755.2	37026.1
-15°	5722.9	8956.9	11876.1	14024.7	15105.3	17868.3	23896.5	30532.8	33965.4	34594.5	34016.0
-17.5°	5211.1	8270.0	10827.5	12617.1	13598.9	15088.0	20061.2	25893.8	29038.3	29522.5	29243.6
-20°	4838.2	7321.1	9463.1	10993.5	11551.2	12522.4	15772.7	20660.2	23681.8	24278.8	24212.6



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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NWB-LTM

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	4595.4	6507.4	8240.0	9388.6	9754.3	10054.7	12050.0	15771.2	18842.6	20101.6	20306.1
-25°	4406.7	5885.0	7208.5	7975.3	8182.8	8201.7	9096.1	11628.7	14609.8	16393.2	17051.8
-27.5°	4218.8	5385.1	6247.0	6721.2	6821.6	6838.3	7209.9	8487.4	10448.5	12159.1	13202.4
-30°	4076.6	4928.0	5464.5	5634.2	5668.8	5634.2	5709.9	6211.0	7276.0	8526.2	9501.6
-32.5°	3734.9	4569.2	4768.2	4723.9	4630.4	4593.0	4625.9	4835.2	5294.9	5907.3	6462.1
-35°	3173.7	3978.3	4117.0	3836.6	3648.6	3560.1	3534.3	3588.6	3820.4	4185.1	4536.0
-37.5°	2392.9	3056.8	3154.8	2935.4	2700.0	2581.4	2495.0	2420.0	2543.3	2807.0	3074.7
-40°	1564.2	2072.0	2172.1	2060.4	1902.7	1776.4	1670.1	1569.8	1565.3	1730.0	1997.9
-42.5°	986.1	1357.8	1466.8	1367.6	1260.5	1194.7	1126.5	1068.8	1066.5	1166.7	1345.0
-45°	814.8	974.0	1023.0	982.9	937.1	890.6	844.9	788.6	787.7	878.2	947.8
-47.5°	689.5	786.4	819.2	803.3	767.7	723.8	695.0	664.7	643.4	692.5	734.4
-50°	603.8	689.1	722.6	705.4	672.1	615.5	582.4	558.3	545.1	580.8	622.6
-52.5°	529.8	603.5	625.7	616.2	584.4	532.1	498.0	480.4	481.7	508.2	549.1
-55°	456.9	507.0	520.4	522.7	493.2	459.0	434.8	426.8	435.9	460.0	499.6
-57.5°	393.6	428.9	452.1	449.1	423.9	397.3	382.3	384.9	395.6	418.4	462.6
-60°	343.7	374.3	393.5	390.2	364.4	343.9	338.2	346.5	356.9	375.1	421.9
-62.5°	299.1	324.0	339.9	334.1	312.3	294.5	296.4	307.1	317.5	328.4	356.6
-65°	255.5	275.9	288.5	281.1	262.3	247.3	254.3	266.1	277.0	284.3	298.7
-67.5°	211.6	228.2	236.2	228.2	215.7	205.0	214.1	227.4	235.5	241.7	250.5
-70°	178.3	183.7	189.8	182.8	171.9	170.5	178.9	188.7	197.7	203.3	212.7
-72.5°	148.3	153.8	152.5	144.5	136.2	137.8	148.0	154.9	161.5	169.6	178.2
-75°	118.0	123.4	121.1	114.6	108.1	108.0	113.2	118.9	125.1	134.1	140.5
-77.5°	89.8	92.5	91.5	87.5	85.2	86.5	90.9	93.4	94.8	99.4	102.8
-80°	69.2	69.8	66.7	62.9	62.0	65.4	68.5	69.7	71.7	75.2	77.6
-82.5°	50.5	49.9	46.5	41.5	40.8	43.9	46.3	45.5	47.6	49.9	52.2
-85°	33.6	33.7	31.3	27.3	25.9	27.0	28.2	28.0	28.9	29.8	30.7
-87.5°	16.8	17.1	15.9	14.4	13.9	14.6	15.4	16.1	16.8	17.4	18.0
-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):

	-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°	14.9	11.8	10.6	14.6	15.4	18.0	18.4	23.1	25.6	32.3	41.7
85°	30.3	30.5	31.8	36.7	39.5	44.2	46.5	56.1	62.3	73.1	83.9
82.5°	57.4	62.9	64.2	69.2	73.3	79.3	85.3	97.9	111.4	127.7	143.0
80°	98.2	106.9	106.3	109.9	117.1	125.3	131.4	144.3	162.5	187.2	215.8
77.5°	141.4	153.7	151.8	152.8	157.8	164.9	167.7	177.6	190.6	206.2	226.1
75°	188.3	207.2	205.1	195.8	197.4	204.1	207.6	216.4	225.7	234.5	245.3
72.5°	246.8	271.5	267.2	250.1	245.4	247.3	252.2	260.1	262.4	266.1	271.6
70°	335.7	355.8	343.7	319.6	304.2	295.2	303.3	311.1	304.7	298.5	302.3
67.5°	424.7	458.0	434.6	396.5	378.1	351.8	358.7	375.7	361.9	343.6	336.3
65°	497.7	551.7	561.5	528.4	509.3	447.2	438.4	466.2	443.8	424.6	413.6
62.5°	560.4	634.6	689.7	695.6	673.5	595.1	616.6	729.8	731.5	682.8	602.5
60°	631.0	684.7	743.1	760.8	769.4	727.4	843.1	1143.0	1141.3	1017.6	818.4
57.5°	686.0	711.0	745.3	783.6	823.5	813.7	983.1	1296.5	1332.6	1243.3	1070.0
55°	773.1	772.3	759.7	823.3	920.7	1022.4	1147.2	1245.5	1257.8	1277.8	1215.4
52.5°	926.4	932.4	941.3	1091.9	1151.9	1210.0	1293.4	1253.2	1268.3	1200.9	1165.7
50°	1371.9	1496.0	1637.1	1699.6	1678.2	1604.2	1502.5	1285.1	1257.8	1137.8	1076.1
47.5°	2916.3	3217.2	3016.1	2980.3	2602.6	2477.8	2097.9	1772.2	1585.1	1428.3	1336.9
45°	7378.8	7659.1	7339.6	7812.7	6616.3	5752.9	4530.2	4088.9	3671.3	3180.2	3220.8
42.5°	16571.6	17630.2	19957.4	21028.1	17578.6	17282.8	14645.9	14942.1	13646.1	11607.9	12335.9
40°	28079.6	33270.4	41280.3	46244.0	42507.4	44555.6	43881.2	46368.4	44383.3	43465.0	41909.8
37.5°	39031.3	51439.1	71499.3	84088.3	85407.4	93870.6	99327.5	103975.0	104311.5	107883.8	112369.9
35°	51982.0	80561.6	109934.2	127478.7	138932.8	145737.0	155991.0	164111.9	175308.1	182626.1	193241.0
32.5°	72366.5	113102.0	141916.5	156382.8	164099.5	171542.9	181741.4	192270.0	203715.7	214718.8	226426.9
30°	95917.9	136021.6	157342.7	163954.9	167310.2	174053.3	182489.4	191968.5	201739.1	211948.7	220363.6
27.5°	114698.8	147002.3	155327.9	155216.1	157526.0	162640.2	168669.4	175799.7	182876.2	190090.9	195749.5
25°	128957.5	142964.8	142462.3	140921.6	142559.9	145808.5	149401.4	153761.3	158479.1	162627.2	166007.9
22.5°	126057.9	131805.3	129019.8	127050.2	128015.1	129475.6	131192.2	133700.4	136116.4	138059.6	139592.9
20°	121595.6	120715.3	116805.5	114832.8	115317.7	115262.5	115881.8	116699.5	117603.9	118163.9	118190.5
17.5°	112643.4	110060.6	106201.9	104676.8	104226.6	103341.2	103145.6	103065.9	102903.1	102527.5	101989.3
15°	104353.0	100732.2	97272.4	95710.8	94731.3	93383.4	92662.6	92041.5	91300.2	90485.1	89506.6
12.5°	95712.1	92126.2	88996.6	87600.5	86259.9	84631.7	83650.5	82662.7	81654.0	80480.5	79454.6
10°	87503.6	84107.6	81470.9	80055.6	78470.7	76806.0	75594.6	74435.6	73181.8	71958.4	70771.2
7.5°	79685.8	76742.6	74460.5	73096.6	71342.4	69594.4	68347.4	67104.2	65804.9	64513.4	63264.3
5°	72425.7	69881.6	67847.8	66675.8	64882.7	63118.6	61821.5	60553.4	59260.4	57949.7	56736.6
2.5°	65754.4	63576.4	61747.2	60769.7	59048.4	57321.1	56051.1	54788.6	53494.5	52198.2	51025.3
0°	59486.7	57780.2	56132.8	55246.7	53690.8	52073.5	50846.6	49668.4	48451.1	47239.2	46135.2
-2.5°	53787.1	52452.1	51085.5	50233.4	48910.8	47436.1	46252.8	45146.9	44037.8	42958.5	41974.1
-5°	48498.5	47490.6	46488.0	45793.7	44664.0	43346.5	42237.6	41224.9	40217.8	39269.1	38399.5
-7.5°	43794.9	43027.8	42223.2	41666.3	40777.7	39626.8	38685.0	37728.3	36805.2	35906.0	35150.9
-10°	39586.2	38949.5	38268.6	37752.0	37052.8	36060.7	35248.1	34387.4	33520.5	32708.0	32012.9
-12.5°	36321.3	35802.4	35162.1	34652.8	34121.8	33112.7	32342.2	31522.2	30749.1	29994.8	29305.5
-15°	33474.1	33048.3	32614.9	32197.1	31791.1	30964.6	30205.9	29424.9	28663.5	27997.6	27505.7
-17.5°	28830.9	28465.8	28177.2	27756.7	27574.9	26850.5	26213.7	25560.4	24880.9	24231.4	23685.8
-20°	24077.3	23843.5	23618.2	23306.7	23087.8	22574.1	21946.3	21413.7	20872.9	20290.7	19779.4



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CANDELA DISTRIBUTION (continued):

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	20370.8	20474.4	20460.4	20245.9	20067.0	19736.4	19224.8	18785.3	18312.2	17822.1	17385.4
-25°	17199.2	17568.7	17774.4	17730.5	17623.0	17456.8	17100.5	16794.6	16427.0	16111.1	15762.6
-27.5°	13726.5	14082.7	14450.8	14730.6	14669.7	14624.7	14408.9	14211.4	13973.4	13813.8	13577.8
-30°	10111.7	10492.3	10808.6	11071.9	11203.1	11246.0	11176.2	11025.1	10807.6	10691.1	10578.2
-32.5°	6989.8	7340.0	7568.4	7684.0	7760.3	7895.3	7893.2	7701.4	7495.3	7348.9	7251.4
-35°	4791.0	5075.4	5193.5	5188.5	5108.3	5226.1	5157.7	4993.6	4765.6	4678.2	4556.1
-37.5°	3277.9	3418.6	3589.7	3580.6	3452.9	3497.0	3415.4	3264.7	3026.9	2943.5	2951.8
-40°	2219.6	2338.1	2443.7	2510.0	2489.8	2483.7	2345.8	2275.9	2091.7	2030.7	2046.5
-42.5°	1567.9	1714.8	1779.6	1835.4	1830.8	1807.8	1760.1	1767.6	1745.0	1697.3	1650.2
-45°	1101.4	1219.9	1329.4	1361.7	1356.7	1360.0	1418.0	1411.9	1427.5	1406.1	1399.5
-47.5°	785.7	866.9	930.4	1012.2	1072.2	1108.4	1190.2	1235.6	1225.2	1220.0	1209.9
-50°	649.7	681.6	697.7	754.4	783.5	864.4	989.4	1062.0	1070.7	1080.9	1098.2
-52.5°	577.8	599.7	620.8	637.9	632.2	676.4	766.5	833.5	844.7	844.3	885.2
-55°	529.5	556.8	584.8	603.5	608.7	615.9	649.8	688.9	680.2	648.3	671.7
-57.5°	509.3	537.3	571.8	595.9	595.0	590.1	608.0	633.9	644.6	638.6	654.0
-60°	474.6	504.0	546.1	559.9	557.7	554.0	561.9	584.3	601.2	608.7	642.3
-62.5°	397.0	429.5	454.5	475.5	483.7	480.2	497.9	521.8	548.9	577.8	631.9
-65°	327.1	355.1	375.8	392.1	408.6	413.2	430.1	454.3	482.2	526.8	588.3
-67.5°	268.9	290.5	309.6	327.3	341.1	351.9	369.0	390.9	421.3	465.3	521.7
-70°	224.3	237.4	252.1	268.0	282.0	291.7	312.1	335.7	365.3	403.4	452.4
-72.5°	186.0	193.7	204.6	214.9	222.8	233.1	251.8	272.8	298.3	331.3	381.2
-75°	146.7	155.2	162.6	170.5	176.0	183.0	198.6	215.3	235.8	277.0	318.0
-77.5°	107.9	114.4	120.0	125.9	131.2	135.1	145.2	160.0	188.6	227.6	231.8
-80°	81.9	86.3	89.0	88.7	90.9	94.3	96.7	107.8	116.2	129.6	127.0
-82.5°	54.7	56.1	57.3	57.0	59.9	61.8	63.4	71.0	77.6	85.6	86.4
-85°	31.9	33.1	33.9	34.5	35.7	36.5	37.2	42.2	46.8	48.1	51.9
-87.5°	18.5	18.9	19.2	19.6	19.9	20.2	20.4	21.3	24.2	24.4	26.4
-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):

	-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°	42.9	42.2	43.2	44.2	43.2	42.2	42.9	41.7	32.3	25.6	23.1
85°	90.9	96.0	100.9	101.0	100.9	96.0	90.9	83.9	73.1	62.3	56.1
82.5°	154.9	168.6	180.3	181.1	180.3	168.6	154.9	143.0	127.7	111.4	97.9
80°	239.8	261.8	276.1	274.9	276.1	261.8	239.8	215.8	187.2	162.5	144.3
77.5°	252.5	288.8	311.9	311.3	311.9	288.8	252.5	226.1	206.2	190.6	177.6
75°	271.9	318.4	348.4	343.1	348.4	318.4	271.9	245.3	234.5	225.7	216.4
72.5°	293.0	336.2	365.9	361.4	365.9	336.2	293.0	271.6	266.1	262.4	260.1
70°	317.5	351.8	380.5	378.6	380.5	351.8	317.5	302.3	298.5	304.7	311.1
67.5°	346.5	366.3	382.9	387.3	382.9	366.3	346.5	336.3	343.6	361.9	375.7
65°	414.9	413.7	414.3	416.9	414.3	413.7	414.9	413.6	424.6	443.8	466.2
62.5°	553.4	532.8	510.4	494.2	510.4	532.8	553.4	602.5	682.8	731.5	729.8
60°	677.4	622.5	584.4	560.7	584.4	622.5	677.4	818.4	1017.6	1141.3	1143.0
57.5°	950.9	887.0	879.4	860.6	879.4	887.0	950.9	1070.0	1243.3	1332.6	1296.5
55°	1179.7	1203.0	1260.1	1249.6	1260.1	1203.0	1179.7	1215.4	1277.8	1257.8	1245.5
52.5°	1172.3	1269.7	1351.0	1349.3	1351.0	1269.7	1172.3	1165.7	1200.9	1268.3	1253.2
50°	1125.3	1184.5	1199.1	1185.0	1199.1	1184.5	1125.3	1076.1	1137.8	1257.8	1285.1
47.5°	1354.6	1561.7	1635.7	1621.5	1635.7	1561.7	1354.6	1336.9	1428.3	1585.1	1772.2
45°	3497.9	3716.2	3784.9	3753.5	3784.9	3716.2	3497.9	3220.8	3180.2	3671.3	4088.9
42.5°	12092.2	11395.6	10648.6	10265.2	10648.6	11395.6	12092.2	12335.9	11607.9	13646.1	14942.1
40°	39624.8	37223.4	35906.3	35332.1	35906.3	37223.4	39624.8	41909.8	43465.0	44383.3	46368.4
37.5°	112334.2	111490.5	112058.6	111831.4	112058.6	111490.5	112334.2	112369.9	107883.8	104311.5	103975.0
35°	199727.0	203001.8	205417.5	206082.3	205417.5	203001.8	199727.0	193241.0	182626.1	175308.1	164111.9
32.5°	232845.7	239044.2	243192.7	244470.6	243192.7	239044.2	232845.7	226426.9	214718.8	203715.7	192270.0
30°	227027.5	233048.1	236893.0	238065.0	236893.0	233048.1	227027.5	220363.6	211948.7	201739.1	191968.5
27.5°	200575.0	204698.9	206565.2	207271.3	206565.2	204698.9	200575.0	195749.5	190090.9	182876.2	175799.7
25°	168294.5	170284.3	171265.4	171704.9	171265.4	170284.3	168294.5	166007.9	162627.2	158479.1	153761.3
22.5°	140538.1	141184.1	141255.2	141350.8	141255.2	141184.1	140538.1	139592.9	138059.6	136116.4	133700.4
20°	118433.4	118469.4	118210.6	117983.1	118210.6	118469.4	118433.4	118190.5	118163.9	117603.9	116699.5
17.5°	101743.4	101139.5	100821.4	100958.2	100821.4	101139.5	101743.4	101989.3	102527.5	102903.1	103065.9
15°	88944.1	88314.6	87891.8	88042.4	87891.8	88314.6	88944.1	89506.6	90485.1	91300.2	92041.5
12.5°	78603.4	77823.1	77320.0	77309.9	77320.0	77823.1	78603.4	79454.6	80480.5	81654.0	82662.7
10°	69771.5	68963.4	68394.0	68248.9	68394.0	68963.4	69771.5	70771.2	71958.4	73181.8	74435.6
7.5°	62179.2	61352.2	60685.0	60465.7	60685.0	61352.2	62179.2	63264.3	64513.4	65804.9	67104.2
5°	55698.1	54872.4	54340.0	54036.2	54340.0	54872.4	55698.1	56736.6	57949.7	59260.4	60553.4
2.5°	50024.2	49300.8	48833.4	48574.0	48833.4	49300.8	50024.2	51025.3	52198.2	53494.5	54788.6
0°	45266.1	44559.9	44120.5	44015.0	44120.5	44559.9	45266.1	46135.2	47239.2	48451.1	49668.4
-2.5°	41150.1	40582.6	40233.5	40120.5	40233.5	40582.6	41150.1	41974.1	42958.5	44037.8	45146.9
-5°	37691.2	37149.3	36748.2	36629.6	36748.2	37149.3	37691.2	38399.5	39269.1	40217.8	41224.9
-7.5°	34487.4	33967.3	33652.7	33494.9	33652.7	33967.3	34487.4	35150.9	35906.0	36805.2	37728.3
-10°	31412.3	30925.1	30624.8	30451.0	30624.8	30925.1	31412.3	32012.9	32708.0	33520.5	34387.4
-12.5°	28816.3	28395.9	28185.0	28073.7	28185.0	28395.9	28816.3	29305.5	29994.8	30749.1	31522.2
-15°	26827.0	26586.6	26237.4	26169.3	26237.4	26586.6	26827.0	27505.7	27997.6	28663.5	29424.9
-17.5°	23262.8	22970.8	22648.7	22620.5	22648.7	22970.8	23262.8	23685.8	24231.4	24880.9	25560.4
-20°	19430.0	19104.4	18865.2	18749.1	18865.2	19104.4	19430.0	19779.4	20290.7	20872.9	21413.7



REPORT NUMBER: P902069 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NWB-LTM

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	17072.9	16868.5	16733.2	16705.9	16733.2	16868.5	17072.9	17385.4	17822.1	18312.2	18785.3
-25°	15592.1	15364.1	15235.7	15181.3	15235.7	15364.1	15592.1	15762.6	16111.1	16427.0	16794.6
-27.5°	13468.1	13382.2	13295.7	13213.1	13295.7	13382.2	13468.1	13577.8	13813.8	13973.4	14211.4
-30°	10559.5	10606.4	10650.4	10685.2	10650.4	10606.4	10559.5	10578.2	10691.1	10807.6	11025.1
-32.5°	7260.4	7287.1	7313.1	7268.5	7313.1	7287.1	7260.4	7251.4	7348.9	7495.3	7701.4
-35°	4516.9	4580.4	4632.3	4620.0	4632.3	4580.4	4516.9	4556.1	4678.2	4765.6	4993.6
-37.5°	2905.0	2961.4	3018.2	3025.4	3018.2	2961.4	2905.0	2951.8	2943.5	3026.9	3264.7
-40°	1902.7	1864.3	1869.3	1929.5	1869.3	1864.3	1902.7	2046.5	2030.7	2091.7	2275.9
-42.5°	1623.7	1616.6	1620.7	1624.6	1620.7	1616.6	1623.7	1650.2	1697.3	1745.0	1767.6
-45°	1391.3	1402.1	1397.8	1415.3	1397.8	1402.1	1391.3	1399.5	1406.1	1427.5	1411.9
-47.5°	1244.9	1259.4	1270.3	1268.8	1270.3	1259.4	1244.9	1209.9	1220.0	1225.2	1235.6
-50°	1127.9	1141.4	1152.3	1165.0	1152.3	1141.4	1127.9	1098.2	1080.9	1070.7	1062.0
-52.5°	935.5	969.9	980.5	973.4	980.5	969.9	935.5	885.2	844.3	844.7	833.5
-55°	702.4	723.5	736.3	740.8	736.3	723.5	702.4	671.7	648.3	680.2	688.9
-57.5°	673.1	689.8	699.5	692.7	699.5	689.8	673.1	654.0	638.6	644.6	633.9
-60°	678.9	714.6	749.7	759.1	749.7	714.6	678.9	642.3	608.7	601.2	584.3
-62.5°	688.8	740.2	781.9	828.7	781.9	740.2	688.8	631.9	577.8	548.9	521.8
-65°	647.2	695.9	744.1	767.2	744.1	695.9	647.2	588.3	526.8	482.2	454.3
-67.5°	570.7	615.5	659.9	684.0	659.9	615.5	570.7	521.7	465.3	421.3	390.9
-70°	499.3	541.9	588.0	618.9	588.0	541.9	499.3	452.4	403.4	365.3	335.7
-72.5°	437.6	473.5	470.7	465.1	470.7	473.5	437.6	381.2	331.3	298.3	272.8
-75°	321.4	315.6	318.8	320.4	318.8	315.6	321.4	318.0	277.0	235.8	215.3
-77.5°	216.7	216.3	216.2	216.6	216.2	216.3	216.7	231.8	227.6	188.6	160.0
-80°	127.8	125.1	121.9	120.1	121.9	125.1	127.8	127.0	129.6	116.2	107.8
-82.5°	85.7	85.1	83.6	83.7	83.6	85.1	85.7	86.4	85.6	77.6	71.0
-85°	46.9	47.1	46.4	46.4	46.4	47.1	46.9	51.9	48.1	46.8	42.2
-87.5°	25.3	24.0	24.1	24.1	24.1	24.0	25.3	26.4	24.4	24.2	21.3
-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°	18.4	18.0	15.4	14.6	10.6	11.8	14.9	14.5	14.0	13.5	12.9
85°	46.5	44.2	39.5	36.7	31.8	30.5	30.3	28.8	27.9	26.8	25.7
82.5°	85.3	79.3	73.3	69.2	64.2	62.9	57.4	53.9	51.6	51.4	49.4
80°	131.4	125.3	117.1	109.9	106.3	106.9	98.2	91.6	88.7	88.4	85.0
77.5°	167.7	164.9	157.8	152.8	151.8	153.7	141.4	130.3	129.3	130.2	128.8
75°	207.6	204.1	197.4	195.8	205.1	207.2	188.3	172.9	173.7	178.3	176.5
72.5°	252.2	247.3	245.4	250.1	267.2	271.5	246.8	231.1	242.9	245.3	230.2
70°	303.3	295.2	304.2	319.6	343.7	355.8	335.7	338.6	338.6	324.5	307.4
67.5°	358.7	351.8	378.1	396.5	434.6	458.0	424.7	403.2	410.3	376.1	372.8
65°	438.4	447.2	509.3	528.4	561.5	551.7	497.7	471.6	434.0	394.5	400.2
62.5°	616.6	595.1	673.5	695.6	689.7	634.6	560.4	514.1	449.0	407.3	435.1
60°	843.1	727.4	769.4	760.8	743.1	684.7	631.0	588.0	539.6	521.2	516.2
57.5°	983.1	813.7	823.5	783.6	745.3	711.0	686.0	674.7	676.0	669.5	640.6
55°	1147.2	1022.4	920.7	823.3	759.7	772.3	773.1	796.4	824.9	836.9	797.1
52.5°	1293.4	1210.0	1151.9	1091.9	941.3	932.4	926.4	994.9	1056.1	1066.6	1017.3
50°	1502.5	1604.2	1678.2	1699.6	1637.1	1496.0	1371.9	1441.5	1482.9	1482.4	1444.6
47.5°	2097.9	2477.8	2602.6	2980.3	3016.1	3217.2	2916.3	2817.6	2634.3	2301.2	2236.5
45°	4530.2	5752.9	6616.3	7812.7	7339.6	7659.1	7378.8	6414.7	5876.1	4545.1	3443.2
42.5°	14645.9	17282.8	17578.6	21028.1	19957.4	17630.2	16571.6	15441.0	12905.8	9885.6	6646.7
40°	43881.2	44555.6	42507.4	46244.0	41280.3	33270.4	28079.6	25558.3	23167.7	17752.4	12248.2
37.5°	99327.5	93870.6	85407.4	84088.3	71499.3	51439.1	39031.3	32692.9	29635.7	25783.9	18892.7
35°	155991.0	145737.0	138932.8	127478.7	109934.2	80561.6	51982.0	38908.7	33830.3	30393.9	24960.3
32.5°	181741.4	171542.9	164099.5	156382.8	141916.5	113102.0	72366.5	44537.9	36264.8	32875.1	28451.4
30°	182489.4	174053.3	167310.2	163954.9	157342.7	136021.6	95917.9	56330.9	38221.7	33025.0	29868.2
27.5°	168669.4	162640.2	157526.0	155216.1	155327.9	147002.3	114698.8	70361.5	43051.3	33402.1	29657.5
25°	149401.4	145808.5	142559.9	140921.6	142462.3	142964.8	128957.5	85018.8	48062.4	33786.1	29149.8
22.5°	131192.2	129475.6	128015.1	127050.2	129019.8	131805.3	126057.9	97691.4	59317.4	37707.9	29424.4
20°	115881.8	115262.5	115317.7	114832.8	116805.5	120715.3	121595.6	106347.2	67608.7	41106.7	29870.1
17.5°	103145.6	103341.2	104226.6	104676.8	106201.9	110060.6	112643.4	105165.9	77423.5	47567.8	31695.8
15°	92662.6	93383.4	94731.3	95710.8	97272.4	100732.2	104353.0	103692.8	84408.5	53190.4	34315.6
12.5°	83650.5	84631.7	86259.9	87600.5	88996.6	92126.2	95712.1	96395.1	85416.4	57498.7	36564.7
10°	75594.6	76806.0	78470.7	80055.6	81470.9	84107.6	87503.6	89183.3	82933.2	61446.2	38886.3
7.5°	68347.4	69594.4	71342.4	73096.6	74460.5	76742.6	79685.8	81906.8	79015.8	63096.5	41533.7
5°	61821.5	63118.6	64882.7	66675.8	67847.8	69881.6	72425.7	74557.2	73914.3	62710.0	43274.8
2.5°	56051.1	57321.1	59048.4	60769.7	61747.2	63576.4	65754.4	67583.0	68053.7	60616.3	44089.7
0°	50846.6	52073.5	53690.8	55246.7	56132.8	57780.2	59486.7	61052.6	61772.1	57043.4	43894.0
-2.5°	46252.8	47436.1	48910.8	50233.4	51085.5	52452.1	53787.1	55117.3	55754.4	52770.9	42785.1
-5°	42237.6	43346.5	44664.0	45793.7	46488.0	47490.6	48498.5	49641.6	50213.9	48408.1	40937.7
-7.5°	38685.0	39626.8	40777.7	41666.3	42223.2	43027.8	43794.9	44690.1	45262.5	44263.6	38608.6
-10°	35248.1	36060.7	37052.8	37752.0	38268.6	38949.5	39586.2	40288.9	40978.3	40549.0	36150.4
-12.5°	32342.2	33112.7	34121.8	34652.8	35162.1	35802.4	36321.3	37026.1	37755.2	37595.6	33744.8
-15°	30205.9	30964.6	31791.1	32197.1	32614.9	33048.3	33474.1	34016.0	34594.5	33965.4	30532.8
-17.5°	26213.7	26850.5	27574.9	27756.7	28177.2	28465.8	28830.9	29243.6	29522.5	29038.3	25893.8
-20°	21946.3	22574.1	23087.8	23306.7	23618.2	23843.5	24077.3	24212.6	24278.8	23681.8	20660.2



REPORT NUMBER: P902069 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NWB-LTM

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	19224.8	19736.4	20067.0	20245.9	20460.4	20474.4	20370.8	20306.1	20101.6	18842.6	15771.2
-25°	17100.5	17456.8	17623.0	17730.5	17774.4	17568.7	17199.2	17051.8	16393.2	14609.8	11628.7
-27.5°	14408.9	14624.7	14669.7	14730.6	14450.8	14082.7	13726.5	13202.4	12159.1	10448.5	8487.4
-30°	11176.2	11246.0	11203.1	11071.9	10808.6	10492.3	10111.7	9501.6	8526.2	7276.0	6211.0
-32.5°	7893.2	7895.3	7760.3	7684.0	7568.4	7340.0	6989.8	6462.1	5907.3	5294.9	4835.2
-35°	5157.7	5226.1	5108.3	5188.5	5193.5	5075.4	4791.0	4536.0	4185.1	3820.4	3588.6
-37.5°	3415.4	3497.0	3452.9	3580.6	3589.7	3418.6	3277.9	3074.7	2807.0	2543.3	2420.0
-40°	2345.8	2483.7	2489.8	2510.0	2443.7	2338.1	2219.6	1997.9	1730.0	1565.3	1569.8
-42.5°	1760.1	1807.8	1830.8	1835.4	1779.6	1714.8	1567.9	1345.0	1166.7	1066.5	1068.8
-45°	1418.0	1360.0	1356.7	1361.7	1329.4	1219.9	1101.4	947.8	878.2	787.7	788.6
-47.5°	1190.2	1108.4	1072.2	1012.2	930.4	866.9	785.7	734.4	692.5	643.4	664.7
-50°	989.4	864.4	783.5	754.4	697.7	681.6	649.7	622.6	580.8	545.1	558.3
-52.5°	766.5	676.4	632.2	637.9	620.8	599.7	577.8	549.1	508.2	481.7	480.4
-55°	649.8	615.9	608.7	603.5	584.8	556.8	529.5	499.6	460.0	435.9	426.8
-57.5°	608.0	590.1	595.0	595.9	571.8	537.3	509.3	462.6	418.4	395.6	384.9
-60°	561.9	554.0	557.7	559.9	546.1	504.0	474.6	421.9	375.1	356.9	346.5
-62.5°	497.9	480.2	483.7	475.5	454.5	429.5	397.0	356.6	328.4	317.5	307.1
-65°	430.1	413.2	408.6	392.1	375.8	355.1	327.1	298.7	284.3	277.0	266.1
-67.5°	369.0	351.9	341.1	327.3	309.6	290.5	268.9	250.5	241.7	235.5	227.4
-70°	312.1	291.7	282.0	268.0	252.1	237.4	224.3	212.7	203.3	197.7	188.7
-72.5°	251.8	233.1	222.8	214.9	204.6	193.7	186.0	178.2	169.6	161.5	154.9
-75°	198.6	183.0	176.0	170.5	162.6	155.2	146.7	140.5	134.1	125.1	118.9
-77.5°	145.2	135.1	131.2	125.9	120.0	114.4	107.9	102.8	99.4	94.8	93.4
-80°	96.7	94.3	90.9	88.7	89.0	86.3	81.9	77.6	75.2	71.7	69.7
-82.5°	63.4	61.8	59.9	57.0	57.3	56.1	54.7	52.2	49.9	47.6	45.5
-85°	37.2	36.5	35.7	34.5	33.9	33.1	31.9	30.7	29.8	28.9	28.0
-87.5°	20.4	20.2	19.9	19.6	19.2	18.9	18.5	18.0	17.4	16.8	16.1
-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: P902069 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A35-NWB-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°	12.3	13.2	16.6	18.3	19.6	20.5	22.0	20.2	18.3	14.8	14.4
85°	24.7	26.8	34.4	38.3	40.6	43.4	45.2	40.7	36.4	29.6	28.7
82.5°	48.1	50.3	57.5	61.0	63.5	69.9	71.3	64.6	57.5	46.9	42.9
80°	83.8	85.7	88.3	89.4	94.1	100.1	98.6	89.2	78.7	65.3	56.9
77.5°	127.4	127.3	121.5	124.0	128.9	132.2	127.1	116.4	101.8	84.2	70.4
75°	172.0	165.0	158.0	162.9	167.8	169.1	160.5	144.8	125.1	105.1	86.4
72.5°	220.2	208.5	200.1	206.7	213.9	210.3	195.6	176.7	151.7	125.5	104.1
70°	282.9	255.5	248.4	254.9	261.8	255.6	237.7	209.6	179.8	150.2	121.7
67.5°	359.8	302.6	295.9	304.9	312.2	305.7	280.7	245.0	209.3	174.9	142.0
65°	418.4	359.7	353.8	358.4	370.0	360.5	329.7	282.3	240.2	199.4	162.1
62.5°	444.0	427.3	425.0	432.7	436.5	426.4	381.5	326.8	272.4	223.6	181.5
60°	497.6	500.2	510.6	518.9	514.3	492.4	438.0	371.0	310.1	246.3	200.1
57.5°	602.5	592.9	612.0	617.3	601.2	558.4	491.0	415.0	345.3	274.8	217.7
55°	768.6	763.4	751.3	726.5	692.6	630.1	544.5	457.1	381.3	304.5	235.0
52.5°	1022.0	1035.7	958.4	864.2	784.9	700.5	601.3	507.1	418.1	333.4	260.1
50°	1414.1	1412.0	1282.2	1053.3	890.2	779.3	664.9	555.9	456.9	367.5	285.4
47.5°	2071.3	1865.7	1623.4	1276.9	1029.4	862.1	729.9	609.4	499.0	400.8	309.7
45°	3032.1	2528.6	1966.8	1454.3	1147.6	951.7	802.4	664.2	539.5	431.5	334.5
42.5°	4386.2	3388.5	2483.8	1661.0	1250.9	1030.5	870.7	719.1	583.5	464.3	358.7
40°	7783.6	4843.7	3154.2	1843.0	1341.7	1098.2	932.4	775.7	629.0	495.5	381.1
37.5°	12174.3	7508.7	4698.9	2455.7	1450.3	1159.8	987.8	826.4	669.4	525.2	401.4
35°	17464.9	10804.0	6758.1	3050.1	1585.9	1230.6	1041.1	871.8	707.0	555.6	423.2
32.5°	21644.7	14571.9	9488.8	5110.5	2108.5	1334.2	1100.6	913.1	741.6	585.0	444.4
30°	24706.6	17613.5	11830.2	7263.4	2621.3	1449.7	1160.9	952.1	770.5	610.8	462.4
27.5°	25615.7	19704.8	13968.9	9141.5	3957.8	1736.6	1230.8	988.1	794.8	631.4	477.8
25°	25997.5	21212.3	15528.1	10916.9	5592.2	2189.0	1323.7	1031.2	819.1	648.2	490.8
22.5°	25780.2	21899.6	16675.3	12639.5	7091.3	2640.9	1426.7	1070.5	842.0	662.6	503.9
20°	25403.6	22076.5	17580.0	13533.5	8475.5	3179.4	1542.6	1109.2	862.6	674.6	515.8
17.5°	25248.6	22089.2	18126.2	14143.2	9738.3	4361.8	1763.7	1145.8	882.9	685.1	524.9
15°	25785.9	21894.8	18382.6	14525.0	10774.1	5468.7	2160.3	1209.9	904.2	693.3	533.5
12.5°	26353.0	21731.1	18355.2	14771.6	11561.0	6462.0	2626.7	1331.8	923.0	701.3	542.3
10°	26940.6	21687.2	18289.4	14988.8	12096.7	7366.9	3093.0	1479.7	955.6	708.3	549.0
7.5°	27676.3	21717.1	18251.2	15139.6	12298.9	8140.6	3630.6	1669.8	993.7	712.4	554.1
5°	28820.5	21787.8	18197.0	15287.5	12474.6	8773.5	4149.5	1868.3	1042.4	720.0	559.2
2.5°	29627.8	21859.8	18137.4	15376.8	12632.6	9261.6	4696.1	2108.5	1103.7	727.1	562.3
0°	30101.5	21903.7	18079.3	15418.9	12755.7	9613.0	5184.3	2325.4	1156.8	731.8	563.4
-2.5°	30269.4	21937.3	17967.6	15400.3	12840.2	9783.8	5577.7	2558.0	1250.4	758.7	569.6
-5°	29928.1	21800.2	17725.9	15290.8	12848.0	9842.6	5875.5	2742.7	1324.8	781.7	573.3
-7.5°	29117.2	21405.9	17337.6	15112.8	12787.3	9775.0	6022.3	2916.2	1419.2	811.1	574.2
-10°	28044.9	20705.1	16810.1	14888.7	12669.2	9647.8	6071.5	3039.3	1516.1	866.2	576.8
-12.5°	26455.1	19628.7	16234.9	14604.5	12397.8	9458.5	5954.3	3069.0	1594.3	906.8	575.4
-15°	23896.5	17868.3	15105.3	14024.7	11876.1	8956.9	5722.9	3026.6	1704.9	950.6	567.9
-17.5°	20061.2	15088.0	13598.9	12617.1	10827.5	8270.0	5211.1	3023.5	1795.1	989.8	556.3
-20°	15772.7	12522.4	11551.2	10993.5	9463.1	7321.1	4838.2	3038.5	1878.2	988.4	538.2



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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°	12050.0	10054.7	9754.3	9388.6	8240.0	6507.4	4595.4	3057.3	1938.0	932.1	510.2
-25°	9096.1	8201.7	8182.8	7975.3	7208.5	5885.0	4406.7	3081.7	1958.6	809.4	485.5
-27.5°	7209.9	6838.3	6821.6	6721.2	6247.0	5385.1	4218.8	3086.1	1763.0	743.2	467.2
-30°	5709.9	5634.2	5668.8	5634.2	5464.5	4928.0	4076.6	2817.0	1493.2	686.2	445.5
-32.5°	4625.9	4593.0	4630.4	4723.9	4768.2	4569.2	3734.9	2345.1	1207.5	621.8	420.1
-35°	3534.3	3560.1	3648.6	3836.6	4117.0	3978.3	3173.7	1712.9	897.4	555.4	390.0
-37.5°	2495.0	2581.4	2700.0	2935.4	3154.8	3056.8	2392.9	1237.6	725.6	501.0	360.8
-40°	1670.1	1776.4	1902.7	2060.4	2172.1	2072.0	1564.2	967.7	642.5	458.2	338.1
-42.5°	1126.5	1194.7	1260.5	1367.6	1466.8	1357.8	986.1	752.2	557.8	415.5	315.3
-45°	844.9	890.6	937.1	982.9	1023.0	974.0	814.8	645.4	490.7	373.1	292.5
-47.5°	695.0	723.8	767.7	803.3	819.2	786.4	689.5	562.5	443.8	345.9	270.7
-50°	582.4	615.5	672.1	705.4	722.6	689.1	603.8	492.3	397.6	317.5	249.3
-52.5°	498.0	532.1	584.4	616.2	625.7	603.5	529.8	441.7	360.2	288.0	226.8
-55°	434.8	459.0	493.2	522.7	520.4	507.0	456.9	387.3	325.8	261.0	203.9
-57.5°	382.3	397.3	423.9	449.1	452.1	428.9	393.6	344.2	290.9	232.6	187.1
-60°	338.2	343.9	364.4	390.2	393.5	374.3	343.7	301.5	258.1	205.1	170.3
-62.5°	296.4	294.5	312.3	334.1	339.9	324.0	299.1	264.1	224.0	185.4	152.9
-65°	254.3	247.3	262.3	281.1	288.5	275.9	255.5	227.5	197.0	164.9	136.2
-67.5°	214.1	205.0	215.7	228.2	236.2	228.2	211.6	194.6	171.1	144.1	119.0
-70°	178.9	170.5	171.9	182.8	189.8	183.7	178.3	164.1	144.8	122.5	101.8
-72.5°	148.0	137.8	136.2	144.5	152.5	153.8	148.3	135.7	118.9	100.6	86.8
-75°	113.2	108.0	108.1	114.6	121.1	123.4	118.0	108.1	95.9	84.3	71.6
-77.5°	90.9	86.5	85.2	87.5	91.5	92.5	89.8	86.1	78.0	68.1	57.5
-80°	68.5	65.4	62.0	62.9	66.7	69.8	69.2	66.1	60.4	53.3	45.5
-82.5°	46.3	43.9	40.8	41.5	46.5	49.9	50.5	48.2	44.0	38.7	33.3
-85°	28.2	27.0	25.9	27.3	31.3	33.7	33.6	30.9	27.8	24.9	21.9
-87.5°	15.4	14.6	13.9	14.4	15.9	17.1	16.8	15.4	13.9	12.4	10.9
-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°	12.3	9.4	7.1	5.3	3.6	1.8	0.0
85°	24.6	18.7	14.2	10.7	7.1	3.6	0.0
82.5°	36.8	27.9	21.3	16.0	10.7	5.3	0.0
80°	46.8	36.7	28.3	21.3	14.2	7.1	0.0
77.5°	56.3	44.4	35.1	26.5	17.7	8.9	0.0
75°	65.7	51.9	41.2	31.7	21.2	10.6	0.0
72.5°	79.9	59.4	47.4	36.7	24.6	12.3	0.0
70°	95.4	69.4	53.5	41.4	28.0	14.0	0.0
67.5°	110.6	82.2	59.6	46.1	31.3	15.7	0.0
65°	126.3	94.7	67.6	50.8	34.5	17.3	0.0
62.5°	142.9	107.0	77.0	55.3	37.5	18.9	0.0
60°	159.1	119.5	86.0	59.7	40.4	20.5	0.0
57.5°	175.0	132.3	94.5	64.2	43.2	22.0	0.0
55°	189.6	144.4	102.5	70.0	45.9	23.5	0.0
52.5°	203.9	155.8	110.3	75.6	48.5	25.0	0.0
50°	218.2	166.9	119.3	81.0	51.0	26.3	0.0
47.5°	233.2	179.0	128.0	86.1	53.4	27.7	0.0
45°	252.8	190.4	136.4	91.0	55.7	29.0	0.0
42.5°	270.9	201.3	144.1	95.6	57.8	30.2	0.0
40°	287.5	211.4	151.2	100.0	59.9	31.4	0.0
37.5°	302.5	220.9	157.6	104.1	61.8	32.5	0.0
35°	317.3	231.0	163.8	108.6	64.1	33.5	0.0
32.5°	330.7	240.8	169.4	113.0	66.6	34.4	0.0
30°	342.0	250.1	174.4	117.0	68.8	35.2	0.0
27.5°	352.7	258.6	179.7	120.7	71.0	36.0	0.0
25°	362.6	266.4	184.8	124.0	73.0	36.7	0.0
22.5°	371.3	273.7	189.6	126.9	74.9	37.3	0.0
20°	379.9	280.6	193.9	129.5	76.5	37.9	0.0
17.5°	389.7	286.2	197.8	132.1	78.0	38.4	0.0
15°	398.3	290.9	201.2	134.3	79.3	38.8	0.0
12.5°	405.3	295.0	203.6	136.2	80.4	39.2	0.0
10°	410.7	298.6	205.2	137.8	81.3	39.5	0.0
7.5°	415.6	301.5	206.2	139.0	82.0	39.8	0.0
5°	419.3	303.5	206.6	139.9	82.5	39.9	0.0
2.5°	421.6	304.5	206.4	140.4	82.8	40.0	0.0
0°	422.3	304.4	205.7	140.6	82.9	40.1	0.0
-2.5°	422.3	303.9	205.4	139.9	82.8	40.0	0.0
-5°	420.7	302.2	204.6	138.9	82.5	39.9	0.0
-7.5°	417.5	299.6	203.3	137.5	82.0	39.8	0.0
-10°	412.4	295.8	201.4	135.8	81.3	39.5	0.0
-12.5°	405.1	290.6	198.8	133.9	80.4	39.2	0.0
-15°	395.9	284.0	195.6	131.6	79.3	38.8	0.0
-17.5°	384.8	276.9	191.8	129.2	78.0	38.4	0.0
-20°	372.0	269.5	187.5	126.6	76.5	37.9	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	359.7	261.3	182.7	123.8	74.9	37.3	0.0
-25°	347.1	252.4	177.5	120.8	73.0	36.7	0.0
-27.5°	333.2	242.8	171.8	117.4	71.0	36.0	0.0
-30°	318.4	232.5	165.7	113.8	68.8	35.2	0.0
-32.5°	303.0	221.6	159.0	109.8	66.4	34.4	0.0
-35°	286.2	210.0	151.9	105.5	63.9	33.5	0.0
-37.5°	269.4	198.9	144.7	101.1	61.4	32.5	0.0
-40°	254.4	189.3	138.3	96.8	59.4	31.4	0.0
-42.5°	239.0	179.3	131.4	92.3	57.3	30.2	0.0
-45°	223.1	168.9	124.3	87.7	55.1	29.0	0.0
-47.5°	206.4	158.2	116.9	82.9	52.8	27.7	0.0
-50°	192.8	147.1	109.4	77.9	50.4	26.3	0.0
-52.5°	179.5	137.2	101.7	72.9	48.0	25.0	0.0
-55°	165.6	127.3	94.7	67.6	45.4	23.5	0.0
-57.5°	151.1	117.0	87.8	62.3	42.8	22.0	0.0
-60°	138.0	106.4	80.6	58.1	40.0	20.5	0.0
-62.5°	124.5	96.5	73.3	54.0	37.3	18.9	0.0
-65°	110.5	87.0	65.9	49.7	34.4	17.3	0.0
-67.5°	97.2	77.1	59.1	45.4	31.3	15.7	0.0
-70°	84.5	66.9	53.2	40.9	28.0	14.0	0.0
-72.5°	71.6	58.0	47.3	36.4	24.6	12.3	0.0
-75°	59.5	50.4	41.2	31.7	21.2	10.6	0.0
-77.5°	49.8	42.8	35.0	26.5	17.7	8.9	0.0
-80°	39.9	35.0	28.3	21.3	14.2	7.1	0.0
-82.5°	30.0	26.5	21.3	16.0	10.7	5.3	0.0
-85°	20.0	17.7	14.2	10.7	7.1	3.6	0.0
-87.5°	10.0	8.9	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)