

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: P902099 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-A55-NWB-LO**

Issue Date: 11/13/2024

Test Information

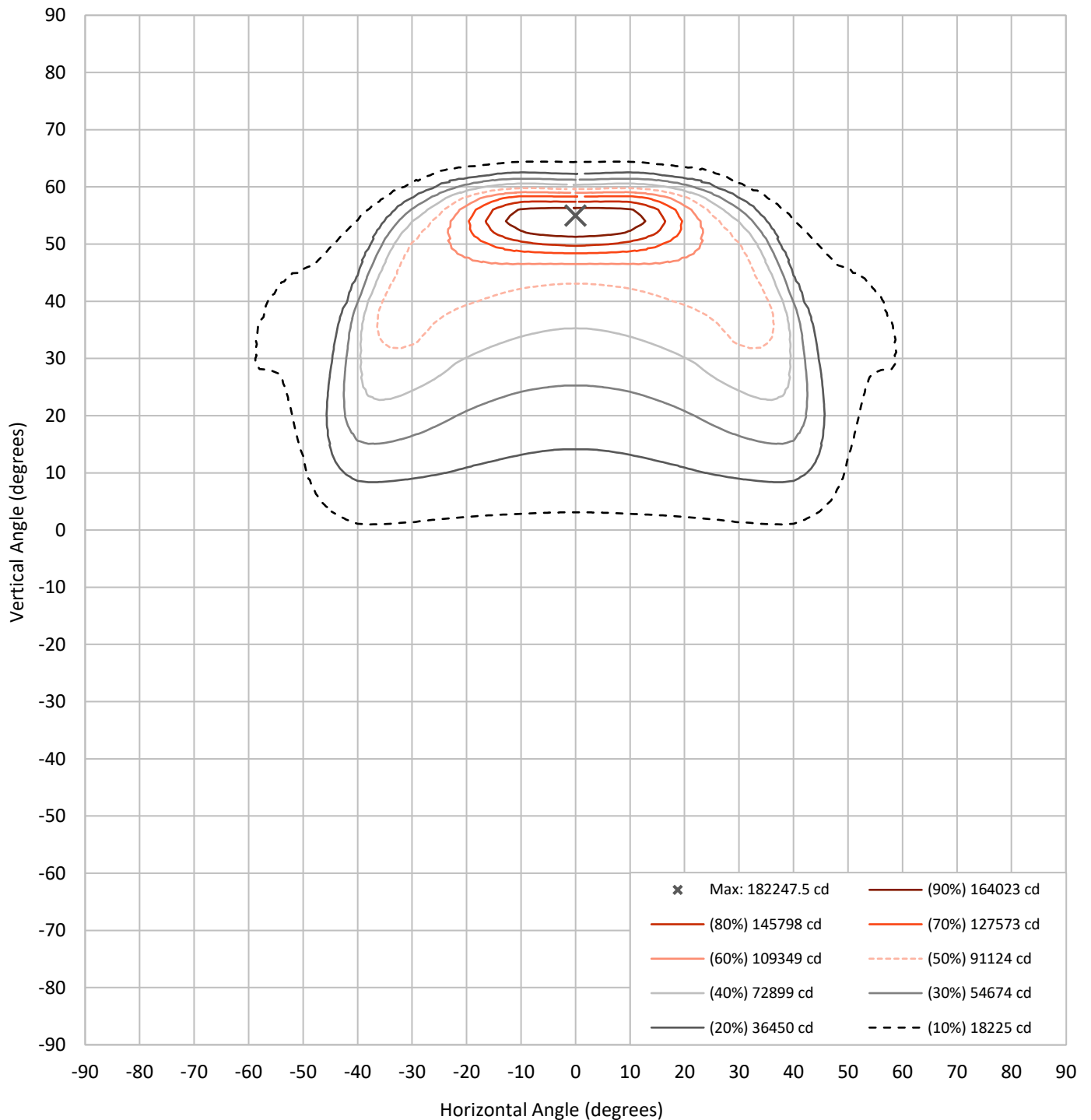
Test Method: LM-79-08
Report Number: P902099 (CONVERTED FROM TYPE C PHOTOMETRY)
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (LVM2J482U1)
Test Lab: INNOVATION CENTER
Issue Date: 11/13/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHEBUS
Catalog Number: EPH-AV-03-1360S-57-85-A55-NWB-LO
Description: ARENAVISION LUMINAIRE
5700K, 85 CRI LEDS AND A55-NWB-LO OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A	NEMA Type:	5H x 4V
Luminaire Lumens:	112738.7 lumens	Max Intensity:	182247.5 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 55°V
Efficacy:	79.8 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	51.4°H x 16.5°V	Field Angle (10%):	78.9°H x 61.1°V
Beam Lumens:	41740.6 lumens	Field Lumens:	102966.7 lumens
Beam Efficiency:	37.0%	Field Efficiency:	91.3%
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		

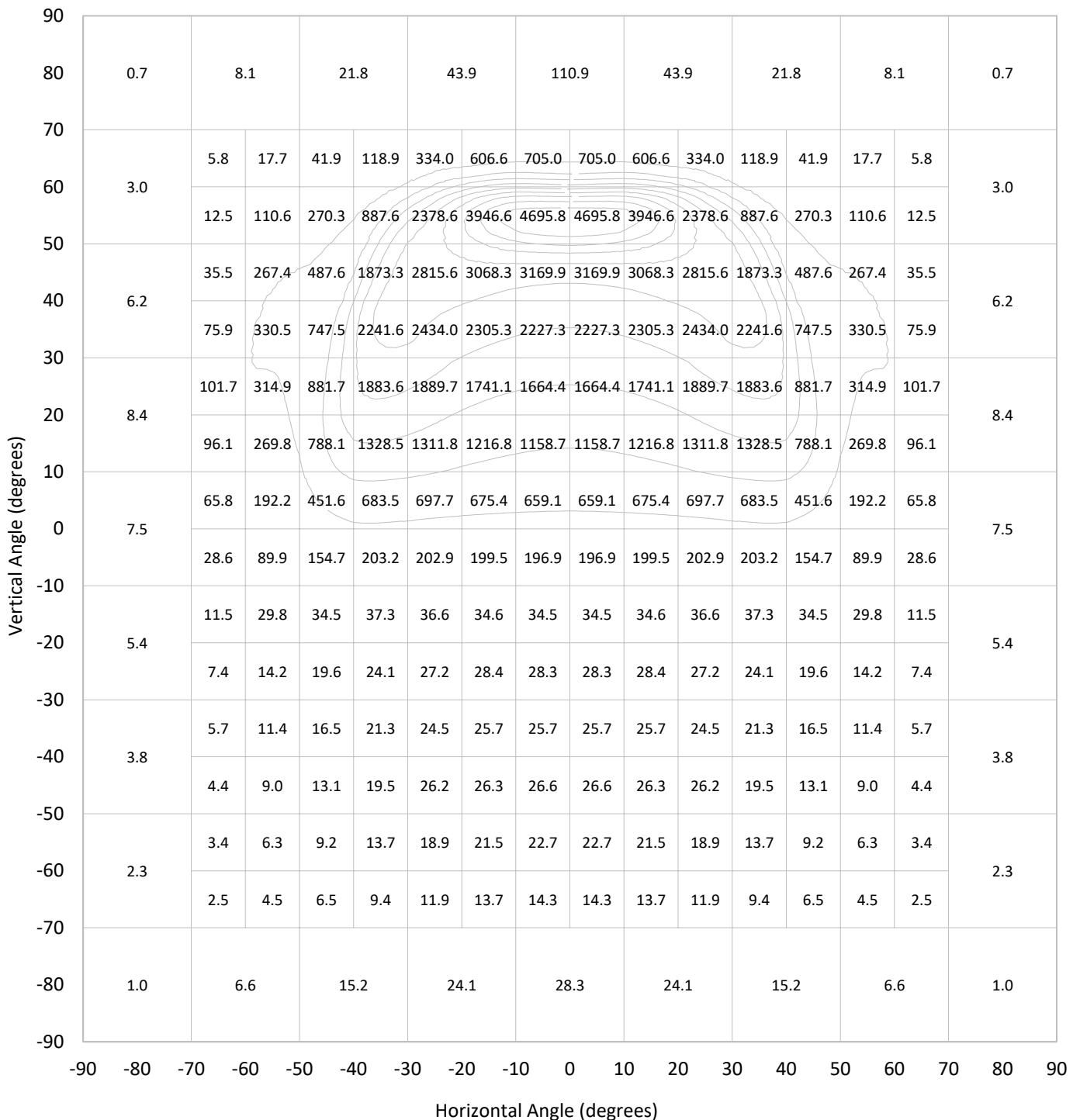
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Iso-Candela Plot



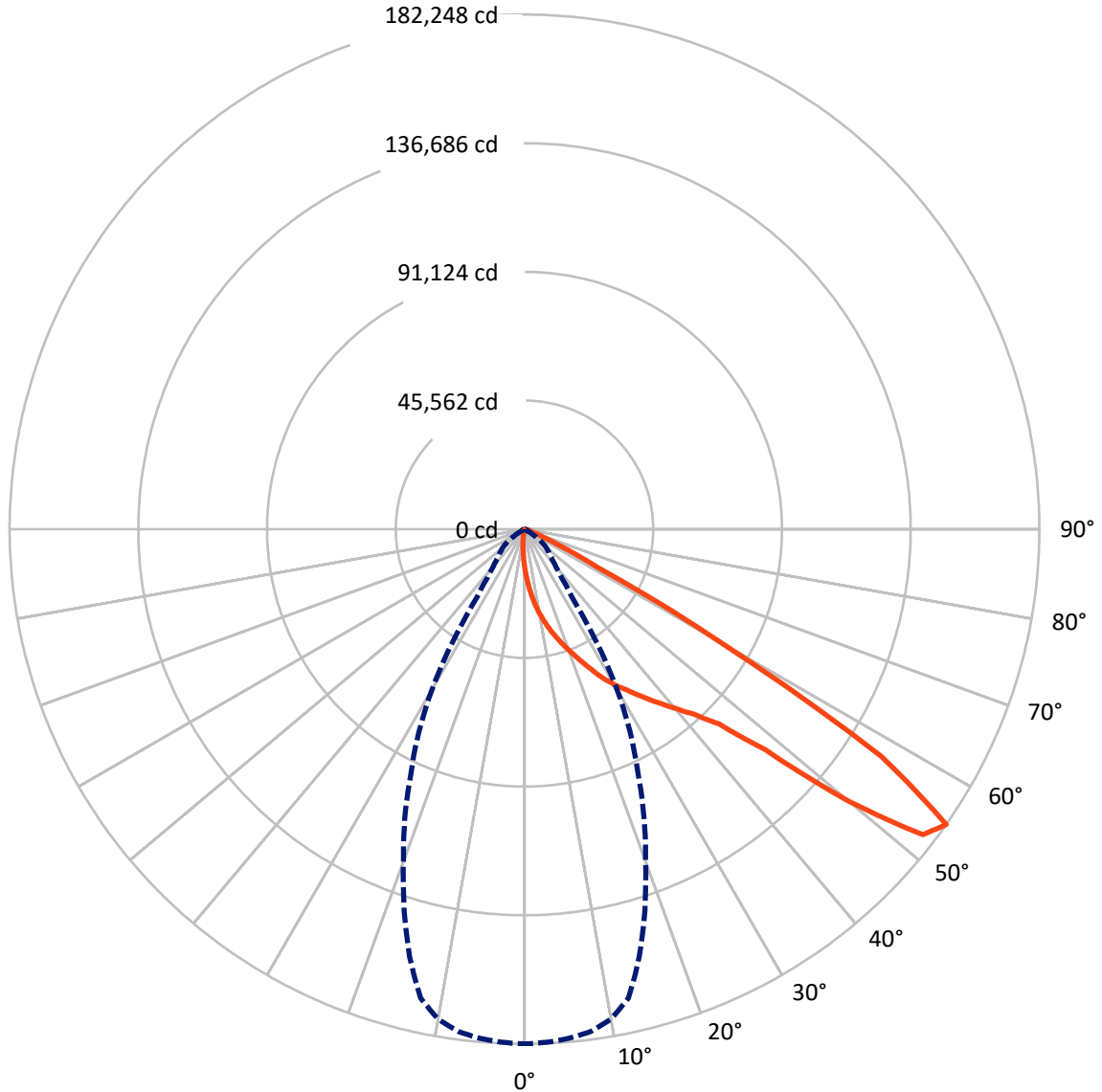
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Lumen Table



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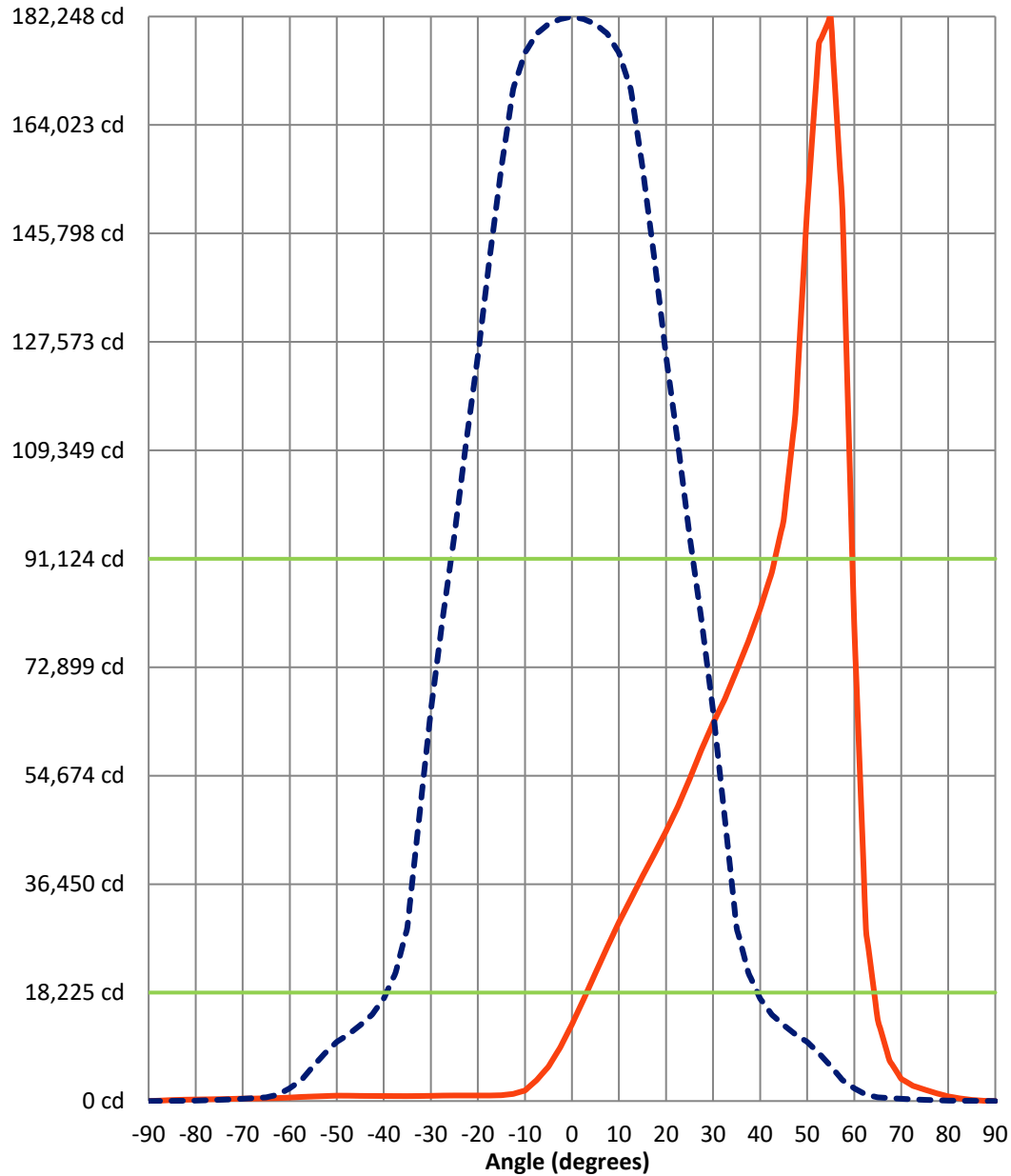
Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg - - - Horizontal Distribution Through 55-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 51.4°
 V Angle: 16.5°
 Lumens: 41740.6
 Efficiency: 37.0%

Field:
 H Angle: 78.9°
 V Angle: 61.1°
 Lumens: 102966.7
 Efficiency: 91.3%

Spill:
 Lumens: 9772
 Efficiency: 8.7%

- Vertical Distribution through 0-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	1.5	3.0	4.5	5.9	7.4	8.8	10.3	10.9	13.0	14.4
85°	0.0	3.0	5.9	8.9	11.8	14.8	17.6	20.5	21.8	26.0	29.3
82.5°	0.0	4.5	8.9	13.3	17.7	22.1	26.4	31.2	35.2	42.1	48.4
80°	0.0	5.9	11.8	17.7	23.6	29.1	36.0	42.6	49.7	58.4	68.5
77.5°	0.0	7.4	14.8	22.1	29.2	35.5	45.4	54.1	67.6	82.3	93.6
75°	0.0	8.8	17.6	26.4	34.4	41.8	54.4	70.4	93.5	108.8	135.5
72.5°	0.0	10.3	20.5	29.5	39.3	48.2	66.0	89.0	118.3	158.9	219.1
70°	0.0	11.7	23.3	32.2	44.0	55.4	77.5	106.8	157.9	217.1	297.8
67.5°	0.0	13.1	26.1	34.8	48.4	63.5	88.0	137.6	198.3	272.2	372.6
65°	0.0	14.4	28.1	37.3	53.2	71.6	105.0	169.1	238.1	323.5	439.1
62.5°	0.0	15.8	29.7	39.7	58.2	79.7	129.9	198.9	277.2	369.4	487.4
60°	0.0	17.1	31.2	41.9	62.7	93.5	154.2	228.1	313.9	418.9	536.6
57.5°	0.0	18.3	32.7	44.1	66.7	113.5	178.0	255.6	349.5	464.8	585.4
55°	0.0	19.6	34.2	47.0	70.2	132.3	203.0	283.5	383.3	496.9	625.3
52.5°	0.0	20.8	35.7	49.9	75.5	149.9	227.3	313.8	414.8	527.0	754.1
50°	0.0	21.9	37.2	52.6	90.6	167.6	250.2	343.1	447.7	575.5	857.6
47.5°	0.0	23.1	38.6	55.2	105.8	186.4	271.7	370.9	481.2	660.4	1135.0
45°	0.0	24.1	40.1	57.7	120.6	204.0	293.5	398.6	514.9	735.8	1391.3
42.5°	0.0	25.2	41.6	60.0	134.3	220.2	314.0	425.1	571.9	851.8	1648.7
40°	0.0	26.1	43.0	62.7	146.9	235.2	333.1	449.7	621.5	961.2	2226.5
37.5°	0.0	27.1	44.4	65.5	158.4	248.8	349.7	472.6	663.5	1043.8	2621.7
35°	0.0	27.8	46.1	72.3	167.5	260.4	366.2	499.7	709.4	1198.9	3207.3
32.5°	0.0	28.5	47.8	79.8	175.0	270.6	383.3	528.0	752.9	1381.4	4179.7
30°	0.0	29.1	49.4	86.3	181.6	280.4	399.5	553.2	781.3	1487.7	4859.6
27.5°	0.0	29.7	51.5	91.9	186.4	289.7	414.6	574.6	806.2	1501.2	5306.6
25°	0.0	30.3	53.6	96.4	190.4	298.3	427.2	592.2	835.3	1750.9	6199.4
22.5°	0.0	30.8	55.8	100.1	193.9	305.3	437.4	605.9	874.2	2083.3	6799.0
20°	0.0	31.3	58.1	102.8	196.6	308.5	445.7	618.3	890.0	2234.9	7196.6
17.5°	0.0	31.8	60.3	106.7	198.7	310.0	447.7	625.9	897.7	2253.1	7336.3
15°	0.0	32.2	62.5	110.4	200.2	310.1	444.4	627.3	893.8	2176.1	7196.7
12.5°	0.0	32.6	64.6	113.4	201.5	308.7	439.0	623.3	884.9	1979.9	6797.6
10°	0.0	32.9	66.7	115.8	202.3	305.6	431.5	616.1	872.9	1991.4	6260.0
7.5°	0.0	33.2	68.7	117.7	202.0	301.5	425.5	605.1	854.7	1936.1	5581.4
5°	0.0	33.4	70.5	119.0	201.0	296.4	418.4	587.1	814.1	1783.8	4783.7
2.5°	0.0	33.6	72.2	120.0	199.2	290.3	409.4	565.7	762.3	1585.2	3921.4
0°	0.0	33.7	73.7	120.6	196.6	283.1	398.7	541.6	706.3	1327.0	2979.0
-2.5°	0.0	33.7	73.7	118.8	192.8	276.5	388.0	515.6	656.8	1144.0	2370.2
-5°	0.0	33.7	73.4	116.9	188.3	268.9	376.3	488.2	605.7	953.3	1749.9
-7.5°	0.0	33.6	72.9	114.9	183.2	260.2	363.8	460.0	557.1	809.3	1389.9
-10°	0.0	33.4	72.2	112.7	177.6	250.4	350.9	436.1	517.7	700.1	1087.9
-12.5°	0.0	33.2	71.3	110.5	171.4	241.5	338.3	413.0	479.1	609.9	897.8
-15°	0.0	33.0	70.2	108.2	165.2	234.2	325.5	390.2	450.1	570.6	766.7
-17.5°	0.0	32.6	68.9	106.0	159.9	227.5	312.6	373.5	432.4	531.0	684.9
-20°	0.0	32.3	67.4	104.2	154.3	221.0	301.7	361.2	415.4	498.1	639.4



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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	31.8	65.8	103.1	148.5	213.5	291.9	349.0	401.7	468.8	596.6
-25°	0.0	31.3	63.9	101.9	142.4	205.3	280.5	337.3	390.7	438.1	557.3
-27.5°	0.0	30.8	61.9	100.6	136.3	196.3	268.4	326.5	377.4	416.3	516.0
-30°	0.0	30.2	59.7	99.2	130.1	186.5	255.6	315.1	362.9	404.7	484.8
-32.5°	0.0	29.6	57.9	97.6	124.9	175.8	242.0	303.4	347.0	391.2	453.9
-35°	0.0	28.9	56.1	96.0	119.9	164.4	227.8	290.2	329.9	375.9	420.4
-37.5°	0.0	28.2	54.3	93.7	116.1	155.3	214.1	273.2	312.1	358.3	394.8
-40°	0.0	27.2	53.2	90.3	114.1	150.9	202.8	254.9	295.7	338.4	376.3
-42.5°	0.0	26.3	51.8	86.9	111.5	145.6	191.2	237.8	278.9	318.2	358.1
-45°	0.0	25.3	50.2	83.5	108.3	139.6	177.6	222.1	261.8	298.2	338.8
-47.5°	0.0	24.2	48.4	80.0	104.6	132.7	162.6	206.5	245.7	278.7	317.8
-50°	0.0	23.0	46.4	76.5	100.6	125.0	153.2	190.0	230.1	259.0	296.5
-52.5°	0.0	21.9	44.2	73.1	96.3	119.7	147.2	173.9	215.2	243.4	276.3
-55°	0.0	20.6	41.9	69.6	92.0	114.8	143.3	159.5	198.7	228.7	255.5
-57.5°	0.0	19.4	39.3	66.1	87.6	109.0	140.4	155.3	182.9	213.7	238.5
-60°	0.0	18.0	36.7	62.5	83.0	102.3	129.6	150.1	169.1	200.8	221.7
-62.5°	0.0	16.7	33.8	58.8	78.1	95.5	118.3	143.9	160.7	188.6	206.8
-65°	0.0	15.3	30.8	55.1	73.1	89.0	106.7	129.9	150.2	172.2	193.0
-67.5°	0.0	13.9	27.8	51.3	68.0	82.4	96.8	115.6	137.1	154.7	176.2
-70°	0.0	12.4	24.9	47.5	62.9	75.6	88.7	101.7	123.9	140.4	157.7
-72.5°	0.0	10.9	21.9	43.6	57.7	69.0	80.5	92.1	112.0	129.3	144.9
-75°	0.0	9.4	18.8	39.3	52.4	62.4	72.1	82.4	102.1	117.3	134.5
-77.5°	0.0	7.9	15.7	33.2	47.1	55.8	63.7	72.5	91.8	102.9	117.4
-80°	0.0	6.3	12.6	26.8	39.1	49.1	55.1	62.5	77.9	87.2	96.8
-82.5°	0.0	4.7	9.5	20.3	29.5	38.2	45.8	52.4	61.8	68.3	75.9
-85°	0.0	3.2	6.3	13.6	19.7	25.5	30.6	36.8	43.5	48.7	55.0
-87.5°	0.0	1.6	3.2	6.8	9.9	12.8	15.3	18.4	21.8	24.4	27.9
-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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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NWB-LO

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°	15.8	18.2	19.5	20.9	22.1	23.4	24.6	25.7	26.8	27.9	28.9
85°	32.6	37.6	43.3	46.5	44.5	44.6	46.6	47.3	49.1	49.2	48.8
82.5°	52.6	59.1	70.9	76.6	71.6	75.4	80.7	78.4	78.2	79.6	74.7
80°	76.8	85.3	104.6	112.1	107.9	119.7	128.4	130.1	141.8	134.3	124.5
77.5°	104.6	123.5	149.8	164.0	178.6	179.7	203.6	220.9	232.1	220.2	236.8
75°	184.1	213.7	213.2	245.1	265.8	297.6	341.4	354.7	365.5	371.4	391.1
72.5°	279.9	316.4	345.0	373.6	390.0	442.3	493.9	510.0	550.2	576.7	595.3
70°	374.2	425.7	480.6	527.7	551.2	581.3	651.0	711.0	777.2	824.4	857.8
67.5°	466.9	547.7	622.3	669.3	669.6	709.1	826.6	941.4	1046.2	1144.4	1205.1
65°	554.6	667.3	778.9	805.7	905.0	935.7	1162.4	1305.5	1491.5	1930.6	2374.5
62.5°	628.1	769.3	1019.4	1242.1	1421.6	1734.3	1960.4	2457.3	2808.3	3986.6	5195.5
60°	689.3	996.4	1493.4	2090.4	2565.9	3371.3	3895.9	4921.2	6096.9	7730.0	9800.6
57.5°	826.6	1376.7	2397.2	3317.6	4968.0	6039.0	7389.4	8660.9	10349.9	12468.9	15530.5
55°	1067.5	2153.8	3540.0	5875.2	8042.8	9940.2	11206.1	12764.9	14524.6	17241.2	21569.4
52.5°	1422.5	3108.8	5862.8	8721.0	11645.7	13321.6	14579.3	15762.0	17631.6	20434.0	27752.9
50°	1988.5	4583.7	8214.6	11922.9	14501.4	16025.9	16862.4	17703.8	19611.5	22932.3	35512.1
47.5°	2559.3	6094.3	10954.4	14500.9	16807.0	17669.9	17994.4	19010.6	21133.2	28111.9	47554.0
45°	3577.1	8165.3	13356.3	16843.7	18255.2	18438.4	18698.8	19856.4	22883.8	34473.3	59294.6
42.5°	4382.2	10359.2	15546.3	18322.9	19102.9	18903.5	19331.6	21025.2	26619.6	43438.7	69110.3
40°	6052.6	12409.3	17496.8	19631.8	19342.6	19342.5	20215.6	22803.0	31159.4	54133.4	78299.8
37.5°	7585.3	14429.0	18614.0	19651.9	19516.1	19810.9	21253.4	25029.8	39037.6	63205.6	84779.6
35°	8997.4	16189.9	19604.5	19537.5	19384.6	20169.2	22521.3	28404.3	45368.2	68042.6	86816.1
32.5°	10602.6	16973.5	19245.5	19169.4	19341.2	20520.4	23318.2	30750.8	48458.7	69237.9	85122.4
30°	12010.8	17559.4	18912.1	18573.1	19053.1	20502.1	23451.0	32230.7	51552.9	70001.6	82936.8
27.5°	12848.5	17560.9	18204.6	18047.1	18833.8	20642.2	24385.3	35228.6	53803.9	70194.1	80481.7
25°	12999.9	16798.0	17404.3	17507.6	18527.3	20619.8	24612.6	37766.4	55610.1	69953.7	77269.9
22.5°	13010.5	16148.5	16494.6	16883.6	18125.1	20508.4	25907.9	39413.5	55275.4	66996.8	72141.0
20°	12883.4	15491.0	15722.5	16303.4	17715.6	20246.5	26417.0	40375.9	54303.0	64092.4	67013.3
17.5°	12500.5	14598.5	14972.3	15649.6	17103.3	19681.2	26045.7	39595.5	51243.5	58755.0	61003.7
15°	11767.8	13719.3	14167.0	14912.4	16329.1	19117.7	25888.9	37479.3	47307.1	53438.4	54844.8
12.5°	10941.7	12849.4	13317.8	14062.1	15493.9	18092.9	24584.8	34500.1	42530.2	47200.7	48097.7
10°	10067.6	11881.7	12342.4	13122.6	14407.9	16689.9	22373.1	30472.8	36597.2	40342.2	41161.6
7.5°	8983.5	10795.4	11325.2	12032.7	13171.3	15068.7	19579.1	25742.6	30531.2	33424.1	34104.4
5°	7805.0	9565.8	10114.9	10806.8	11798.6	13317.5	16601.8	20932.1	24579.2	26875.1	27374.7
2.5°	6465.6	8168.8	8871.9	9460.2	10254.9	11454.4	13721.1	16520.0	19162.1	21000.0	21382.3
0°	5056.8	6686.0	7597.1	7986.7	8474.5	9345.5	11200.0	12832.3	14608.0	15989.6	16273.1
-2.5°	3965.7	5377.4	6028.9	6322.0	6680.1	7206.1	8679.9	9808.5	10884.6	11811.6	12049.3
-5°	2888.4	4133.7	4685.4	4967.6	5235.6	5553.9	6114.7	6738.1	7342.1	7743.4	7891.3
-7.5°	2245.3	3148.3	3640.1	3879.2	4027.3	4165.3	4288.5	4326.5	4418.7	4478.4	4197.2
-10°	1654.4	2363.9	2804.7	2954.7	2967.5	2995.4	2983.3	2892.6	2818.8	2719.1	2628.2
-12.5°	1320.6	1783.7	2079.6	2220.9	2173.7	2080.2	2049.0	1942.7	1864.5	1777.6	1744.4
-15°	1034.0	1399.4	1596.2	1633.6	1610.8	1505.7	1464.0	1407.9	1342.0	1296.7	1284.1
-17.5°	884.2	1109.7	1249.9	1267.4	1225.9	1190.9	1150.9	1136.4	1103.8	1085.8	1100.0
-20°	778.6	939.3	1002.4	1023.6	1013.0	1010.4	1006.3	1014.0	1009.5	1008.0	1021.5



REPORT NUMBER: P902099 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NWB-LO

CANDELA DISTRIBUTION (continued):

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	722.0	816.0	859.2	850.1	901.3	911.2	935.5	952.4	961.9	963.6	971.1
-25°	672.0	743.9	751.3	785.4	821.7	856.3	883.4	912.1	917.7	935.4	931.0
-27.5°	628.0	694.6	709.9	734.7	765.0	809.3	843.6	871.8	891.6	891.2	895.5
-30°	583.6	658.3	676.9	700.8	727.2	765.8	810.6	833.8	862.3	860.4	874.7
-32.5°	544.0	614.3	654.2	671.6	704.5	732.5	771.2	805.6	830.1	850.9	853.7
-35°	507.3	574.5	634.3	644.9	679.8	704.4	737.7	769.2	805.8	829.2	841.6
-37.5°	467.8	535.5	596.7	628.6	652.8	687.0	707.6	730.3	766.4	797.0	822.3
-40°	426.6	496.2	555.4	613.3	635.1	664.8	678.3	688.7	726.4	747.0	788.3
-42.5°	389.1	454.2	512.8	572.2	619.5	627.4	631.4	646.1	678.4	706.6	743.1
-45°	373.0	413.2	467.8	525.3	565.3	571.7	578.0	602.4	630.4	671.3	695.5
-47.5°	357.2	379.1	422.9	474.1	500.5	512.5	528.1	555.6	579.0	621.3	662.9
-50°	334.8	360.9	379.4	425.7	453.1	450.8	478.6	509.1	529.8	564.7	605.8
-52.5°	310.5	341.9	360.2	382.3	416.8	424.7	434.1	457.5	483.4	515.0	545.2
-55°	286.7	316.2	346.5	358.2	372.6	401.6	408.9	411.5	430.5	459.2	492.7
-57.5°	263.3	291.4	322.0	342.2	344.5	356.5	377.5	397.3	395.3	411.3	447.3
-60°	242.9	265.9	301.1	319.5	317.2	321.0	334.7	357.4	387.6	405.1	419.9
-62.5°	224.1	242.9	282.9	295.9	285.7	292.3	302.5	318.8	344.8	376.9	398.3
-65°	209.9	222.8	260.6	270.4	254.0	271.3	283.2	289.5	296.0	328.0	361.7
-67.5°	199.2	212.9	229.2	235.1	227.2	241.2	256.1	276.0	291.9	300.9	322.3
-70°	183.0	201.1	207.4	204.6	202.2	217.8	229.8	246.7	264.8	287.4	304.1
-72.5°	166.4	184.5	187.5	178.8	178.4	192.5	207.4	216.9	232.2	250.9	251.7
-75°	149.4	164.3	169.5	163.5	165.9	169.3	181.4	195.8	205.9	215.2	210.7
-77.5°	129.2	139.1	146.1	150.0	161.2	167.0	176.9	186.3	191.5	193.5	184.1
-80°	105.3	114.2	121.8	135.1	157.4	162.8	170.2	180.7	185.4	187.4	183.1
-82.5°	81.9	89.4	95.1	107.1	122.4	131.6	142.2	158.7	166.2	171.7	178.5
-85°	58.9	64.5	68.3	74.9	82.9	89.4	96.4	109.1	116.1	121.3	124.5
-87.5°	30.5	34.1	36.7	39.1	41.5	45.3	47.6	49.8	52.0	54.0	55.9
-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):

	-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°	27.8	28.5	29.0	29.7	30.7	31.0	30.5	30.8	31.1	30.3	30.5
85°	50.4	52.6	52.8	55.4	60.4	60.1	54.0	56.6	58.3	60.1	60.8
82.5°	79.9	89.6	91.5	105.1	105.6	100.2	90.9	96.4	104.5	112.3	116.7
80°	137.8	150.3	154.8	192.5	185.5	167.7	163.3	186.2	216.3	275.9	368.2
77.5°	252.2	257.5	271.2	291.0	296.2	292.5	298.5	317.5	371.8	463.8	704.2
75°	406.4	424.5	451.7	459.2	458.6	461.3	505.7	585.4	676.2	833.5	1061.1
72.5°	602.6	626.7	675.3	710.0	732.7	754.9	817.9	930.6	1087.8	1272.1	1490.2
70°	854.4	894.6	994.7	1046.9	1089.9	1368.2	1580.2	1756.4	1962.7	2164.0	2433.7
67.5°	1350.4	1790.1	2274.9	2633.7	3187.9	3746.3	4047.0	4198.1	4379.0	4683.5	5274.7
65°	3126.4	4371.0	5617.3	6683.6	8048.4	9040.7	9689.6	10232.4	11064.3	12084.1	12726.9
62.5°	6679.7	8761.2	10840.6	13530.4	17103.3	19693.8	21484.3	24454.8	29075.3	31091.5	31463.8
60°	12056.0	15981.0	21012.7	28523.9	39270.0	50794.4	60938.8	70379.4	78036.9	83025.8	85453.0
57.5°	19417.7	28921.6	41350.8	55721.0	72360.6	89422.3	104296.8	119307.3	132659.0	142733.9	149383.9
55°	29192.8	47457.7	65588.7	81020.8	95044.6	110664.6	125240.0	141650.8	156896.2	170033.2	176116.6
52.5°	44569.7	65903.3	82695.0	93722.2	102864.9	113457.6	124919.8	137527.0	150195.8	160032.3	167677.3
50°	59406.7	80199.6	92034.0	98980.1	104577.6	110255.0	116721.8	123200.5	130044.6	136127.4	141065.2
47.5°	71572.1	88368.7	97796.7	101549.0	104420.9	106577.7	108817.2	111309.6	113236.8	114272.9	114741.1
45°	80794.1	93264.4	99551.8	101576.1	102152.5	102207.0	101688.1	101564.6	101394.9	100494.0	99470.1
42.5°	87900.7	97895.2	101858.0	102836.3	102330.6	99475.2	97697.5	96296.2	94716.5	93139.1	91727.7
40°	94995.6	103210.3	104735.7	102779.2	98976.0	94804.6	92521.5	90829.2	88800.3	87082.5	85598.4
37.5°	98969.1	104623.0	102879.2	97324.0	91739.7	89014.3	87034.4	85104.3	83027.2	81455.2	80006.1
35°	97554.2	99385.8	98220.7	91646.6	86645.3	84012.5	81838.8	79798.4	77966.2	76475.9	75118.6
32.5°	91886.7	92943.3	91224.9	87445.1	82444.0	79215.0	77031.7	75114.9	73386.0	71830.8	70432.3
30°	87667.1	87753.3	85784.6	82926.0	78657.5	74818.3	72622.4	70613.3	68732.1	67093.8	65704.4
27.5°	83247.1	82533.4	80278.8	77467.0	74249.8	70557.7	67980.3	65889.2	63903.6	62245.2	60991.4
25°	78168.9	76956.3	74366.1	71802.1	68742.4	65623.6	63061.6	60789.4	58969.1	57413.5	56198.8
22.5°	72499.4	71012.3	68588.1	66029.9	63231.5	60417.3	57908.0	55879.8	54175.4	52691.6	51602.0
20°	66664.1	65037.5	62820.7	60471.2	57848.3	55291.3	53093.3	51149.7	49690.9	48394.9	47274.9
17.5°	60508.2	58995.8	57080.1	55086.9	52702.1	50587.8	48553.8	46833.1	45440.9	44276.9	43294.4
15°	54211.0	52893.3	51298.9	49644.8	47733.3	45916.0	44140.4	42600.4	41332.8	40316.2	39376.8
12.5°	47662.8	46545.9	45404.0	44003.2	42556.3	41055.5	39533.4	38203.7	37149.8	36196.4	35448.8
10°	40824.3	40008.7	39086.8	38105.4	36972.1	35819.0	34571.2	33542.9	32657.8	31939.4	31271.3
7.5°	33850.6	33264.0	32608.3	31900.9	31005.2	30186.2	29312.9	28546.5	27881.0	27346.3	26861.2
5°	27164.5	26678.0	26263.1	25615.8	25056.5	24423.8	23798.8	23272.0	22879.6	22493.4	22197.0
2.5°	21216.1	20791.3	20668.2	19886.4	19442.5	18994.2	18525.5	18185.8	17939.8	17713.8	17556.0
0°	16146.2	15754.4	15276.0	14923.8	14575.3	14263.5	13921.7	13654.1	13439.4	13242.3	13082.6
-2.5°	11887.5	11556.1	11132.1	10814.3	10539.4	10316.4	10001.3	9741.0	9517.1	9350.6	9220.5
-5°	7606.9	7464.5	7168.7	6894.8	6890.5	6850.2	6675.5	6517.2	6381.5	6262.3	6164.4
-7.5°	3934.0	3973.8	3661.5	3682.3	3580.9	3514.6	3593.9	3506.5	3444.5	3453.5	3555.0
-10°	2579.8	2457.8	2349.5	2285.3	2214.0	2144.8	2052.6	1970.7	1948.7	1940.5	1994.8
-12.5°	1717.5	1680.3	1583.2	1507.8	1435.2	1366.1	1326.5	1284.0	1255.0	1242.8	1221.8
-15°	1314.4	1343.5	1308.4	1233.5	1137.8	1077.8	1047.7	1032.7	1010.4	994.7	986.3
-17.5°	1157.3	1220.3	1241.3	1168.5	1049.8	1000.5	981.9	972.7	958.4	953.7	947.9
-20°	1053.6	1126.0	1187.7	1133.2	1028.5	980.5	971.5	961.2	955.8	954.1	949.5



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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°	989.3	1048.5	1116.4	1080.5	1007.3	977.5	977.7	970.6	973.2	967.9	959.9
-25°	943.9	983.6	1044.0	1024.7	978.1	969.8	983.2	984.8	982.6	975.1	966.6
-27.5°	897.2	922.8	960.2	957.2	935.7	943.3	964.6	973.5	971.3	968.4	958.4
-30°	873.1	869.8	884.1	886.6	890.5	911.9	926.5	933.9	931.4	931.6	916.6
-32.5°	855.5	843.4	858.6	861.2	864.9	867.1	874.6	878.3	886.3	882.9	873.0
-35°	852.6	858.0	862.6	876.4	873.4	861.8	857.1	858.8	855.5	857.1	854.9
-37.5°	854.6	891.4	908.4	919.6	903.9	898.3	876.5	864.5	855.5	850.9	844.1
-40°	831.1	905.0	952.3	963.6	953.1	923.9	906.3	874.2	863.5	860.7	856.7
-42.5°	806.0	906.8	975.2	990.8	974.9	944.9	917.0	888.2	874.9	868.2	868.6
-45°	768.6	886.9	963.8	986.8	990.9	977.1	928.7	910.1	902.3	882.5	875.2
-47.5°	726.2	829.7	927.7	952.5	961.1	960.5	936.1	919.1	920.2	916.3	915.9
-50°	666.3	747.1	821.4	855.7	879.6	897.7	896.3	897.7	891.0	894.8	902.9
-52.5°	596.2	658.4	708.7	750.7	770.6	784.4	796.9	801.2	814.0	818.3	830.7
-55°	543.3	588.1	623.8	657.8	684.8	702.6	714.1	718.4	724.0	733.5	744.2
-57.5°	493.1	529.3	554.8	580.5	602.1	616.3	625.9	640.5	653.8	662.1	668.3
-60°	448.8	477.4	498.0	507.2	522.7	536.1	553.9	559.6	569.2	578.1	579.6
-62.5°	414.9	431.2	442.3	443.5	459.1	468.8	485.8	498.5	508.1	513.4	515.1
-65°	376.7	397.6	410.5	411.4	460.5	432.6	447.5	453.2	448.6	456.0	464.1
-67.5°	339.8	361.2	374.0	389.4	402.4	400.5	426.7	444.4	416.5	418.7	424.9
-70°	296.3	314.0	328.8	346.3	355.8	361.9	370.3	380.2	388.0	396.8	399.9
-72.5°	249.2	267.6	280.7	291.1	301.2	314.7	323.6	331.3	341.1	347.0	352.0
-75°	216.3	232.6	240.8	250.0	262.2	272.0	278.2	292.3	302.8	309.2	313.9
-77.5°	188.6	206.3	214.2	219.4	229.7	232.3	245.9	250.3	252.7	263.4	269.2
-80°	186.6	200.1	205.2	205.3	214.5	216.6	227.6	227.9	227.3	237.4	242.4
-82.5°	183.8	196.3	201.2	195.3	206.6	214.2	218.5	216.1	209.4	213.3	220.0
-85°	125.0	134.6	139.3	141.3	152.8	162.5	165.6	165.0	156.3	157.9	162.7
-87.5°	58.0	60.2	62.3	64.1	66.8	69.4	72.5	73.6	72.6	73.4	74.2
-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°	39.4	39.3	36.8	49.6	36.8	39.3	39.4	30.5	30.3	31.1	30.8
85°	116.2	107.0	128.9	191.2	128.9	107.0	116.2	60.8	60.1	58.3	56.6
82.5°	234.7	341.4	415.2	440.5	415.2	341.4	234.7	116.7	112.3	104.5	96.4
80°	562.1	672.8	772.7	780.9	772.7	672.8	562.1	368.2	275.9	216.3	186.2
77.5°	890.2	1082.5	1223.9	1304.7	1223.9	1082.5	890.2	704.2	463.8	371.8	317.5
75°	1276.4	1505.1	1708.4	1917.7	1708.4	1505.1	1276.4	1061.1	833.5	676.2	585.4
72.5°	1731.7	2021.0	2311.7	2562.1	2311.7	2021.0	1731.7	1490.2	1272.1	1087.8	930.6
70°	2917.4	3346.2	3631.2	3737.1	3631.2	3346.2	2917.4	2433.7	2164.0	1962.7	1756.4
67.5°	5897.2	6400.4	6726.2	6838.9	6726.2	6400.4	5897.2	5274.7	4683.5	4379.0	4198.1
65°	13222.6	13553.7	13679.3	13686.0	13679.3	13553.7	13222.6	12726.9	12084.1	11064.3	10232.4
62.5°	31024.3	30086.8	29227.5	28897.8	29227.5	30086.8	31024.3	31463.8	31091.5	29075.3	24454.8
60°	85332.8	83385.5	81329.2	80299.3	81329.2	83385.5	85332.8	85453.0	83025.8	78036.9	70379.4
57.5°	150699.0	150357.2	149927.7	149808.2	149927.7	150357.2	150699.0	149383.9	142733.9	132659.0	119307.3
55°	179363.9	180984.5	181815.9	182247.5	181815.9	180984.5	179363.9	176116.6	170033.2	156896.2	141650.8
52.5°	172562.6	175400.0	176934.5	177653.5	176934.5	175400.0	172562.6	167677.3	160032.3	150195.8	137527.0
50°	144722.0	147037.8	148780.7	149842.4	148780.7	147037.8	144722.0	141065.2	136127.4	130044.6	123200.5
47.5°	114791.6	115151.4	115275.1	115438.1	115275.1	115151.4	114791.6	114741.1	114272.9	113236.8	111309.6
45°	98925.0	98249.5	97638.5	97597.7	97638.5	98249.5	98925.0	99470.1	100494.0	101394.9	101564.6
42.5°	90571.6	89640.5	88992.0	88859.3	88992.0	89640.5	90571.6	91727.7	93139.1	94716.5	96296.2
40°	84382.1	83415.9	82741.9	82693.0	82741.9	83415.9	84382.1	85598.4	87082.5	88800.3	90829.2
37.5°	78823.1	77933.1	77352.5	77247.1	77352.5	77933.1	78823.1	80006.1	81455.2	83027.2	85104.3
35°	73988.1	73078.6	72491.8	72345.5	72491.8	73078.6	73988.1	75118.6	76475.9	77966.2	79798.4
32.5°	69232.2	68285.7	67691.6	67562.6	67691.6	68285.7	69232.2	70432.3	71830.8	73386.0	75114.9
30°	64623.1	63928.1	63476.8	63496.0	63476.8	63928.1	64623.1	65704.4	67093.8	68732.1	70613.3
27.5°	60063.3	59484.3	59021.0	58987.6	59021.0	59484.3	60063.3	60991.4	62245.2	63903.6	65889.2
25°	55240.9	54615.2	54175.9	54088.7	54175.9	54615.2	55240.9	56198.8	57413.5	58969.1	60789.4
22.5°	50676.1	49994.4	49572.5	49460.1	49572.5	49994.4	50676.1	51602.0	52691.6	54175.4	55879.8
20°	46395.0	45738.0	45405.8	45342.1	45405.8	45738.0	46395.0	47274.9	48394.9	49690.9	51149.7
17.5°	42429.8	41809.0	41523.3	41509.9	41523.3	41809.0	42429.8	43294.4	44276.9	45440.9	46833.1
15°	38620.0	38074.2	37808.2	37789.7	37808.2	38074.2	38620.0	39376.8	40316.2	41332.8	42600.4
12.5°	34764.0	34238.0	33969.0	33913.7	33969.0	34238.0	34764.0	35448.8	36196.4	37149.8	38203.7
10°	30741.7	30343.5	30098.3	30066.0	30098.3	30343.5	30741.7	31271.3	31939.4	32657.8	33542.9
7.5°	26477.7	26180.6	25934.3	25863.0	25934.3	26180.6	26477.7	26861.2	27346.3	27881.0	28546.5
5°	21944.6	21723.5	21560.3	21519.7	21560.3	21723.5	21944.6	22197.0	22493.4	22879.6	23272.0
2.5°	17363.1	17237.2	17164.2	17128.7	17164.2	17237.2	17363.1	17556.0	17713.8	17939.8	18185.8
0°	12953.8	12915.1	12906.5	12893.2	12906.5	12915.1	12953.8	13082.6	13242.3	13439.4	13654.1
-2.5°	9137.4	9101.6	9097.6	9003.3	9097.6	9101.6	9137.4	9220.5	9350.6	9517.1	9741.0
-5°	6224.5	5772.2	5907.9	5778.6	5907.9	5772.2	6224.5	6164.4	6262.3	6381.5	6517.2
-7.5°	3378.0	3482.2	3543.7	3523.3	3543.7	3482.2	3378.0	3555.0	3453.5	3444.5	3506.5
-10°	1880.8	1979.8	1817.9	1771.2	1817.9	1979.8	1880.8	1994.8	1940.5	1948.7	1970.7
-12.5°	1231.2	1221.6	1216.1	1199.6	1216.1	1221.6	1231.2	1221.8	1242.8	1255.0	1284.0
-15°	987.8	978.0	982.9	977.5	982.9	978.0	987.8	986.3	994.7	1010.4	1032.7
-17.5°	941.9	932.8	930.1	926.1	930.1	932.8	941.9	947.9	953.7	958.4	972.7
-20°	941.4	933.7	933.8	930.2	933.8	933.7	941.4	949.5	954.1	955.8	961.2



REPORT NUMBER: P902099 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NWB-LO

CANDELA DISTRIBUTION (continued):

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	949.1	943.4	937.0	933.4	937.0	943.4	949.1	959.9	967.9	973.2	970.6
-25°	957.0	943.3	934.9	933.0	934.9	943.3	957.0	966.6	975.1	982.6	984.8
-27.5°	942.4	931.7	918.5	916.1	918.5	931.7	942.4	958.4	968.4	971.3	973.5
-30°	901.2	884.1	877.7	873.8	877.7	884.1	901.2	916.6	931.6	931.4	933.9
-32.5°	862.3	849.0	843.5	844.2	843.5	849.0	862.3	873.0	882.9	886.3	878.3
-35°	840.0	833.4	830.7	830.1	830.7	833.4	840.0	854.9	857.1	855.5	858.8
-37.5°	841.2	837.0	834.2	833.7	834.2	837.0	841.2	844.1	850.9	855.5	864.5
-40°	851.7	846.5	843.3	842.8	843.3	846.5	851.7	856.7	860.7	863.5	874.2
-42.5°	867.4	859.5	857.9	853.7	857.9	859.5	867.4	868.6	868.2	874.9	888.2
-45°	884.8	870.5	862.3	863.7	862.3	870.5	884.8	875.2	882.5	902.3	910.1
-47.5°	911.7	903.0	892.2	895.6	892.2	903.0	911.7	915.9	916.3	920.2	919.1
-50°	895.7	897.0	898.8	904.7	898.8	897.0	895.7	902.9	894.8	891.0	897.7
-52.5°	817.1	821.5	829.4	834.6	829.4	821.5	817.1	830.7	818.3	814.0	801.2
-55°	745.2	745.6	752.0	763.6	752.0	745.6	745.2	744.2	733.5	724.0	718.4
-57.5°	669.9	680.4	673.8	691.2	673.8	680.4	669.9	668.3	662.1	653.8	640.5
-60°	581.6	583.3	582.1	582.5	582.1	583.3	581.6	579.6	578.1	569.2	559.6
-62.5°	515.6	512.8	510.5	506.5	510.5	512.8	515.6	515.1	513.4	508.1	498.5
-65°	459.6	462.1	464.6	467.8	464.6	462.1	459.6	464.1	456.0	448.6	453.2
-67.5°	424.6	421.5	422.0	421.0	422.0	421.5	424.6	424.9	418.7	416.5	444.4
-70°	401.5	405.9	412.4	413.2	412.4	405.9	401.5	399.9	396.8	388.0	380.2
-72.5°	359.7	361.1	360.2	360.4	360.2	361.1	359.7	352.0	347.0	341.1	331.3
-75°	315.4	316.6	321.0	322.2	321.0	316.6	315.4	313.9	309.2	302.8	292.3
-77.5°	271.0	277.5	284.5	285.3	284.5	277.5	271.0	269.2	263.4	252.7	250.3
-80°	243.2	245.3	245.6	258.5	245.6	245.3	243.2	242.4	237.4	227.3	227.9
-82.5°	221.3	221.3	222.9	223.5	222.9	221.3	221.3	220.0	213.3	209.4	216.1
-85°	163.9	164.0	164.6	169.3	164.6	164.0	163.9	162.7	157.9	156.3	165.0
-87.5°	74.3	74.7	75.0	76.9	75.0	74.7	74.3	74.2	73.4	72.6	73.6
-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: P902099 (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°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	30.5	31.0	30.7	29.7	29.0	28.5	27.8	28.9	27.9	26.8	25.7
85°	54.0	60.1	60.4	55.4	52.8	52.6	50.4	48.8	49.2	49.1	47.3
82.5°	90.9	100.2	105.6	105.1	91.5	89.6	79.9	74.7	79.6	78.2	78.4
80°	163.3	167.7	185.5	192.5	154.8	150.3	137.8	124.5	134.3	141.8	130.1
77.5°	298.5	292.5	296.2	291.0	271.2	257.5	252.2	236.8	220.2	232.1	220.9
75°	505.7	461.3	458.6	459.2	451.7	424.5	406.4	391.1	371.4	365.5	354.7
72.5°	817.9	754.9	732.7	710.0	675.3	626.7	602.6	595.3	576.7	550.2	510.0
70°	1580.2	1368.2	1089.9	1046.9	994.7	894.6	854.4	857.8	824.4	777.2	711.0
67.5°	4047.0	3746.3	3187.9	2633.7	2274.9	1790.1	1350.4	1205.1	1144.4	1046.2	941.4
65°	9689.6	9040.7	8048.4	6683.6	5617.3	4371.0	3126.4	2374.5	1930.6	1491.5	1305.5
62.5°	21484.3	19693.8	17103.3	13530.4	10840.6	8761.2	6679.7	5195.5	3986.6	2808.3	2457.3
60°	60938.8	50794.4	39270.0	28523.9	21012.7	15981.0	12056.0	9800.6	7730.0	6096.9	4921.2
57.5°	104296.8	89422.3	72360.6	55721.0	41350.8	28921.6	19417.7	15530.5	12468.9	10349.9	8660.9
55°	125240.0	110664.6	95044.6	81020.8	65588.7	47457.7	29192.8	21569.4	17241.2	14524.6	12764.9
52.5°	124919.8	113457.6	102864.9	93722.2	82695.0	65903.3	44569.7	27752.9	20434.0	17631.6	15762.0
50°	116721.8	110255.0	104577.6	98980.1	92034.0	80199.6	59406.7	35512.1	22932.3	19611.5	17703.8
47.5°	108817.2	106577.7	104420.9	101549.0	97796.7	88368.7	71572.1	47554.0	28111.9	21133.2	19010.6
45°	101688.1	102207.0	102152.5	101576.1	99551.8	93264.4	80794.1	59294.6	34473.3	22883.8	19856.4
42.5°	97697.5	99475.2	102330.6	102836.3	101858.0	97895.2	87900.7	69110.3	43438.7	26619.6	21025.2
40°	92521.5	94804.6	98976.0	102779.2	104735.7	103210.3	94995.6	78299.8	54133.4	31159.4	22803.0
37.5°	87034.4	89014.3	91739.7	97324.0	102879.2	104623.0	98969.1	84779.6	63205.6	39037.6	25029.8
35°	81838.8	84012.5	86645.3	91646.6	98220.7	99385.8	97554.2	86816.1	68042.6	45368.2	28404.3
32.5°	77031.7	79215.0	82444.0	87445.1	91224.9	92943.3	91886.7	85122.4	69237.9	48458.7	30750.8
30°	72622.4	74818.3	78657.5	82926.0	85784.6	87753.3	87667.1	82936.8	70001.6	51552.9	32230.7
27.5°	67980.3	70557.7	74249.8	77467.0	80278.8	82533.4	83247.1	80481.7	70194.1	53803.9	35228.6
25°	63061.6	65623.6	68742.4	71802.1	74366.1	76956.3	78168.9	77269.9	69953.7	55610.1	37766.4
22.5°	57908.0	60417.3	63231.5	66029.9	68588.1	71012.3	72499.4	72141.0	66996.8	55275.4	39413.5
20°	53093.3	55291.3	57848.3	60471.2	62820.7	65037.5	66664.1	67013.3	64092.4	54303.0	40375.9
17.5°	48553.8	50587.8	52702.1	55086.9	57080.1	58995.8	60508.2	61003.7	58755.0	51243.5	39595.5
15°	44140.4	45916.0	47733.3	49644.8	51298.9	52893.3	54211.0	54844.8	53438.4	47307.1	37479.3
12.5°	39533.4	41055.5	42556.3	44003.2	45404.0	46545.9	47662.8	48097.7	47200.7	42530.2	34500.1
10°	34571.2	35819.0	36972.1	38105.4	39086.8	40008.7	40824.3	41161.6	40342.2	36597.2	30472.8
7.5°	29312.9	30186.2	31005.2	31900.9	32608.3	33264.0	33850.6	34104.4	33424.1	30531.2	25742.6
5°	23798.8	24423.8	25056.5	25615.8	26263.1	26678.0	27164.5	27374.7	26875.1	24579.2	20932.1
2.5°	18525.5	18994.2	19442.5	19886.4	20668.2	20791.3	21216.1	21382.3	21000.0	19162.1	16520.0
0°	13921.7	14263.5	14575.3	14923.8	15276.0	15754.4	16146.2	16273.1	15989.6	14608.0	12832.3
-2.5°	10001.3	10316.4	10539.4	10814.3	11132.1	11556.1	11887.5	12049.3	11811.6	10884.6	9808.5
-5°	6675.5	6850.2	6890.5	6894.8	7168.7	7464.5	7606.9	7891.3	7743.4	7342.1	6738.1
-7.5°	3593.9	3514.6	3580.9	3682.3	3661.5	3973.8	3934.0	4197.2	4478.4	4418.7	4326.5
-10°	2052.6	2144.8	2214.0	2285.3	2349.5	2457.8	2579.8	2628.2	2719.1	2818.8	2892.6
-12.5°	1326.5	1366.1	1435.2	1507.8	1583.2	1680.3	1717.5	1744.4	1777.6	1864.5	1942.7
-15°	1047.7	1077.8	1137.8	1233.5	1308.4	1343.5	1314.4	1284.1	1296.7	1342.0	1407.9
-17.5°	981.9	1000.5	1049.8	1168.5	1241.3	1220.3	1157.3	1100.0	1085.8	1103.8	1136.4
-20°	971.5	980.5	1028.5	1133.2	1187.7	1126.0	1053.6	1021.5	1008.0	1009.5	1014.0



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 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NWB-LO

CANDELA DISTRIBUTION (continued):

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	977.7	977.5	1007.3	1080.5	1116.4	1048.5	989.3	971.1	963.6	961.9	952.4
-25°	983.2	969.8	978.1	1024.7	1044.0	983.6	943.9	931.0	935.4	917.7	912.1
-27.5°	964.6	943.3	935.7	957.2	960.2	922.8	897.2	895.5	891.2	891.6	871.8
-30°	926.5	911.9	890.5	886.6	884.1	869.8	873.1	874.7	860.4	862.3	833.8
-32.5°	874.6	867.1	864.9	861.2	858.6	843.4	855.5	853.7	850.9	830.1	805.6
-35°	857.1	861.8	873.4	876.4	862.6	858.0	852.6	841.6	829.2	805.8	769.2
-37.5°	876.5	898.3	903.9	919.6	908.4	891.4	854.6	822.3	797.0	766.4	730.3
-40°	906.3	923.9	953.1	963.6	952.3	905.0	831.1	788.3	747.0	726.4	688.7
-42.5°	917.0	944.9	974.9	990.8	975.2	906.8	806.0	743.1	706.6	678.4	646.1
-45°	928.7	977.1	990.9	986.8	963.8	886.9	768.6	695.5	671.3	630.4	602.4
-47.5°	936.1	960.5	961.1	952.5	927.7	829.7	726.2	662.9	621.3	579.0	555.6
-50°	896.3	897.7	879.6	855.7	821.4	747.1	666.3	605.8	564.7	529.8	509.1
-52.5°	796.9	784.4	770.6	750.7	708.7	658.4	596.2	545.2	515.0	483.4	457.5
-55°	714.1	702.6	684.8	657.8	623.8	588.1	543.3	492.7	459.2	430.5	411.5
-57.5°	625.9	616.3	602.1	580.5	554.8	529.3	493.1	447.3	411.3	395.3	397.3
-60°	553.9	536.1	522.7	507.2	498.0	477.4	448.8	419.9	405.1	387.6	357.4
-62.5°	485.8	468.8	459.1	443.5	442.3	431.2	414.9	398.3	376.9	344.8	318.8
-65°	447.5	432.6	460.5	411.4	410.5	397.6	376.7	361.7	328.0	296.0	289.5
-67.5°	426.7	400.5	402.4	389.4	374.0	361.2	339.8	322.3	300.9	291.9	276.0
-70°	370.3	361.9	355.8	346.3	328.8	314.0	296.3	304.1	287.4	264.8	246.7
-72.5°	323.6	314.7	301.2	291.1	280.7	267.6	249.2	251.7	250.9	232.2	216.9
-75°	278.2	272.0	262.2	250.0	240.8	232.6	216.3	210.7	215.2	205.9	195.8
-77.5°	245.9	232.3	229.7	219.4	214.2	206.3	188.6	184.1	193.5	191.5	186.3
-80°	227.6	216.6	214.5	205.3	205.2	200.1	186.6	183.1	187.4	185.4	180.7
-82.5°	218.5	214.2	206.6	195.3	201.2	196.3	183.8	178.5	171.7	166.2	158.7
-85°	165.6	162.5	152.8	141.3	139.3	134.6	125.0	124.5	121.3	116.1	109.1
-87.5°	72.5	69.4	66.8	64.1	62.3	60.2	58.0	55.9	54.0	52.0	49.8
-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: P902099 (CONVERTED FROM TYPE C PHOTOMETRY)
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-NWB-LO

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°	24.6	23.4	22.1	20.9	19.5	18.2	15.8	14.4	13.0	10.9	10.3
85°	46.6	44.6	44.5	46.5	43.3	37.6	32.6	29.3	26.0	21.8	20.5
82.5°	80.7	75.4	71.6	76.6	70.9	59.1	52.6	48.4	42.1	35.2	31.2
80°	128.4	119.7	107.9	112.1	104.6	85.3	76.8	68.5	58.4	49.7	42.6
77.5°	203.6	179.7	178.6	164.0	149.8	123.5	104.6	93.6	82.3	67.6	54.1
75°	341.4	297.6	265.8	245.1	213.2	213.7	184.1	135.5	108.8	93.5	70.4
72.5°	493.9	442.3	390.0	373.6	345.0	316.4	279.9	219.1	158.9	118.3	89.0
70°	651.0	581.3	551.2	527.7	480.6	425.7	374.2	297.8	217.1	157.9	106.8
67.5°	826.6	709.1	669.6	669.3	622.3	547.7	466.9	372.6	272.2	198.3	137.6
65°	1162.4	935.7	905.0	805.7	778.9	667.3	554.6	439.1	323.5	238.1	169.1
62.5°	1960.4	1734.3	1421.6	1242.1	1019.4	769.3	628.1	487.4	369.4	277.2	198.9
60°	3895.9	3371.3	2565.9	2090.4	1493.4	996.4	689.3	536.6	418.9	313.9	228.1
57.5°	7389.4	6039.0	4968.0	3317.6	2397.2	1376.7	826.6	585.4	464.8	349.5	255.6
55°	11206.1	9940.2	8042.8	5875.2	3540.0	2153.8	1067.5	625.3	496.9	383.3	283.5
52.5°	14579.3	13321.6	11645.7	8721.0	5862.8	3108.8	1422.5	754.1	527.0	414.8	313.8
50°	16862.4	16025.9	14501.4	11922.9	8214.6	4583.7	1988.5	857.6	575.5	447.7	343.1
47.5°	17994.4	17669.9	16807.0	14500.9	10954.4	6094.3	2559.3	1135.0	660.4	481.2	370.9
45°	18698.8	18438.4	18255.2	16843.7	13356.3	8165.3	3577.1	1391.3	735.8	514.9	398.6
42.5°	19331.6	18903.5	19102.9	18322.9	15546.3	10359.2	4382.2	1648.7	851.8	571.9	425.1
40°	20215.6	19342.5	19342.6	19631.8	17496.8	12409.3	6052.6	2226.5	961.2	621.5	449.7
37.5°	21253.4	19810.9	19516.1	19651.9	18614.0	14429.0	7585.3	2621.7	1043.8	663.5	472.6
35°	22521.3	20169.2	19384.6	19537.5	19604.5	16189.9	8997.4	3207.3	1198.9	709.4	499.7
32.5°	23318.2	20520.4	19341.2	19169.4	19245.5	16973.5	10602.6	4179.7	1381.4	752.9	528.0
30°	23451.0	20502.1	19053.1	18573.1	18912.1	17559.4	12010.8	4859.6	1487.7	781.3	553.2
27.5°	24385.3	20642.2	18833.8	18047.1	18204.6	17560.9	12848.5	5306.6	1501.2	806.2	574.6
25°	24612.6	20619.8	18527.3	17507.6	17404.3	16798.0	12999.9	6199.4	1750.9	835.3	592.2
22.5°	25907.9	20508.4	18125.1	16883.6	16494.6	16148.5	13010.5	6799.0	2083.3	874.2	605.9
20°	26417.0	20246.5	17715.6	16303.4	15722.5	15491.0	12883.4	7196.6	2234.9	890.0	618.3
17.5°	26045.7	19681.2	17103.3	15649.6	14972.3	14598.5	12500.5	7336.3	2253.1	897.7	625.9
15°	25888.9	19117.7	16329.1	14912.4	14167.0	13719.3	11767.8	7196.7	2176.1	893.8	627.3
12.5°	24584.8	18092.9	15493.9	14062.1	13317.8	12849.4	10941.7	6797.6	1979.9	884.9	623.3
10°	22373.1	16689.9	14407.9	13122.6	12342.4	11881.7	10067.6	6260.0	1991.4	872.9	616.1
7.5°	19579.1	15068.7	13171.3	12032.7	11325.2	10795.4	8983.5	5581.4	1936.1	854.7	605.1
5°	16601.8	13317.5	11798.6	10806.8	10114.9	9565.8	7805.0	4783.7	1783.8	814.1	587.1
2.5°	13721.1	11454.4	10254.9	9460.2	8871.9	8168.8	6465.6	3921.4	1585.2	762.3	565.7
0°	11200.0	9345.5	8474.5	7986.7	7597.1	6686.0	5056.8	2979.0	1327.0	706.3	541.6
-2.5°	8679.9	7206.1	6680.1	6322.0	6028.9	5377.4	3965.7	2370.2	1144.0	656.8	515.6
-5°	6114.7	5553.9	5235.6	4967.6	4685.4	4133.7	2888.4	1749.9	953.3	605.7	488.2
-7.5°	4288.5	4165.3	4027.3	3879.2	3640.1	3148.3	2245.3	1389.9	809.3	557.1	460.0
-10°	2983.3	2995.4	2967.5	2954.7	2804.7	2363.9	1654.4	1087.9	700.1	517.7	436.1
-12.5°	2049.0	2080.2	2173.7	2220.9	2079.6	1783.7	1320.6	897.8	609.9	479.1	413.0
-15°	1464.0	1505.7	1610.8	1633.6	1596.2	1399.4	1034.0	766.7	570.6	450.1	390.2
-17.5°	1150.9	1190.9	1225.9	1267.4	1249.9	1109.7	884.2	684.9	531.0	432.4	373.5
-20°	1006.3	1010.4	1013.0	1023.6	1002.4	939.3	778.6	639.4	498.1	415.4	361.2



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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°	935.5	911.2	901.3	850.1	859.2	816.0	722.0	596.6	468.8	401.7	349.0
-25°	883.4	856.3	821.7	785.4	751.3	743.9	672.0	557.3	438.1	390.7	337.3
-27.5°	843.6	809.3	765.0	734.7	709.9	694.6	628.0	516.0	416.3	377.4	326.5
-30°	810.6	765.8	727.2	700.8	676.9	658.3	583.6	484.8	404.7	362.9	315.1
-32.5°	771.2	732.5	704.5	671.6	654.2	614.3	544.0	453.9	391.2	347.0	303.4
-35°	737.7	704.4	679.8	644.9	634.3	574.5	507.3	420.4	375.9	329.9	290.2
-37.5°	707.6	687.0	652.8	628.6	596.7	535.5	467.8	394.8	358.3	312.1	273.2
-40°	678.3	664.8	635.1	613.3	555.4	496.2	426.6	376.3	338.4	295.7	254.9
-42.5°	631.4	627.4	619.5	572.2	512.8	454.2	389.1	358.1	318.2	278.9	237.8
-45°	578.0	571.7	565.3	525.3	467.8	413.2	373.0	338.8	298.2	261.8	222.1
-47.5°	528.1	512.5	500.5	474.1	422.9	379.1	357.2	317.8	278.7	245.7	206.5
-50°	478.6	450.8	453.1	425.7	379.4	360.9	334.8	296.5	259.0	230.1	190.0
-52.5°	434.1	424.7	416.8	382.3	360.2	341.9	310.5	276.3	243.4	215.2	173.9
-55°	408.9	401.6	372.6	358.2	346.5	316.2	286.7	255.5	228.7	198.7	159.5
-57.5°	377.5	356.5	344.5	342.2	322.0	291.4	263.3	238.5	213.7	182.9	155.3
-60°	334.7	321.0	317.2	319.5	301.1	265.9	242.9	221.7	200.8	169.1	150.1
-62.5°	302.5	292.3	285.7	295.9	282.9	242.9	224.1	206.8	188.6	160.7	143.9
-65°	283.2	271.3	254.0	270.4	260.6	222.8	209.9	193.0	172.2	150.2	129.9
-67.5°	256.1	241.2	227.2	235.1	229.2	212.9	199.2	176.2	154.7	137.1	115.6
-70°	229.8	217.8	202.2	204.6	207.4	201.1	183.0	157.7	140.4	123.9	101.7
-72.5°	207.4	192.5	178.4	178.8	187.5	184.5	166.4	144.9	129.3	112.0	92.1
-75°	181.4	169.3	165.9	163.5	169.5	164.3	149.4	134.5	117.3	102.1	82.4
-77.5°	176.9	167.0	161.2	150.0	146.1	139.1	129.2	117.4	102.9	91.8	72.5
-80°	170.2	162.8	157.4	135.1	121.8	114.2	105.3	96.8	87.2	77.9	62.5
-82.5°	142.2	131.6	122.4	107.1	95.1	89.4	81.9	75.9	68.3	61.8	52.4
-85°	96.4	89.4	82.9	74.9	68.3	64.5	58.9	55.0	48.7	43.5	36.8
-87.5°	47.6	45.3	41.5	39.1	36.7	34.1	30.5	27.9	24.4	21.8	18.4
-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):

	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°	8.8	7.4	5.9	4.5	3.0	1.5	0.0
85°	17.6	14.8	11.8	8.9	5.9	3.0	0.0
82.5°	26.4	22.1	17.7	13.3	8.9	4.5	0.0
80°	36.0	29.1	23.6	17.7	11.8	5.9	0.0
77.5°	45.4	35.5	29.2	22.1	14.8	7.4	0.0
75°	54.4	41.8	34.4	26.4	17.6	8.8	0.0
72.5°	66.0	48.2	39.3	29.5	20.5	10.3	0.0
70°	77.5	55.4	44.0	32.2	23.3	11.7	0.0
67.5°	88.0	63.5	48.4	34.8	26.1	13.1	0.0
65°	105.0	71.6	53.2	37.3	28.1	14.4	0.0
62.5°	129.9	79.7	58.2	39.7	29.7	15.8	0.0
60°	154.2	93.5	62.7	41.9	31.2	17.1	0.0
57.5°	178.0	113.5	66.7	44.1	32.7	18.3	0.0
55°	203.0	132.3	70.2	47.0	34.2	19.6	0.0
52.5°	227.3	149.9	75.5	49.9	35.7	20.8	0.0
50°	250.2	167.6	90.6	52.6	37.2	21.9	0.0
47.5°	271.7	186.4	105.8	55.2	38.6	23.1	0.0
45°	293.5	204.0	120.6	57.7	40.1	24.1	0.0
42.5°	314.0	220.2	134.3	60.0	41.6	25.2	0.0
40°	333.1	235.2	146.9	62.7	43.0	26.1	0.0
37.5°	349.7	248.8	158.4	65.5	44.4	27.1	0.0
35°	366.2	260.4	167.5	72.3	46.1	27.8	0.0
32.5°	383.3	270.6	175.0	79.8	47.8	28.5	0.0
30°	399.5	280.4	181.6	86.3	49.4	29.1	0.0
27.5°	414.6	289.7	186.4	91.9	51.5	29.7	0.0
25°	427.2	298.3	190.4	96.4	53.6	30.3	0.0
22.5°	437.4	305.3	193.9	100.1	55.8	30.8	0.0
20°	445.7	308.5	196.6	102.8	58.1	31.3	0.0
17.5°	447.7	310.0	198.7	106.7	60.3	31.8	0.0
15°	444.4	310.1	200.2	110.4	62.5	32.2	0.0
12.5°	439.0	308.7	201.5	113.4	64.6	32.6	0.0
10°	431.5	305.6	202.3	115.8	66.7	32.9	0.0
7.5°	425.5	301.5	202.0	117.7	68.7	33.2	0.0
5°	418.4	296.4	201.0	119.0	70.5	33.4	0.0
2.5°	409.4	290.3	199.2	120.0	72.2	33.6	0.0
0°	398.7	283.1	196.6	120.6	73.7	33.7	0.0
-2.5°	388.0	276.5	192.8	118.8	73.7	33.7	0.0
-5°	376.3	268.9	188.3	116.9	73.4	33.7	0.0
-7.5°	363.8	260.2	183.2	114.9	72.9	33.6	0.0
-10°	350.9	250.4	177.6	112.7	72.2	33.4	0.0
-12.5°	338.3	241.5	171.4	110.5	71.3	33.2	0.0
-15°	325.5	234.2	165.2	108.2	70.2	33.0	0.0
-17.5°	312.6	227.5	159.9	106.0	68.9	32.6	0.0
-20°	301.7	221.0	154.3	104.2	67.4	32.3	0.0



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CANDELA DISTRIBUTION (continued):

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	291.9	213.5	148.5	103.1	65.8	31.8	0.0
-25°	280.5	205.3	142.4	101.9	63.9	31.3	0.0
-27.5°	268.4	196.3	136.3	100.6	61.9	30.8	0.0
-30°	255.6	186.5	130.1	99.2	59.7	30.2	0.0
-32.5°	242.0	175.8	124.9	97.6	57.9	29.6	0.0
-35°	227.8	164.4	119.9	96.0	56.1	28.9	0.0
-37.5°	214.1	155.3	116.1	93.7	54.3	28.2	0.0
-40°	202.8	150.9	114.1	90.3	53.2	27.2	0.0
-42.5°	191.2	145.6	111.5	86.9	51.8	26.3	0.0
-45°	177.6	139.6	108.3	83.5	50.2	25.3	0.0
-47.5°	162.6	132.7	104.6	80.0	48.4	24.2	0.0
-50°	153.2	125.0	100.6	76.5	46.4	23.0	0.0
-52.5°	147.2	119.7	96.3	73.1	44.2	21.9	0.0
-55°	143.3	114.8	92.0	69.6	41.9	20.6	0.0
-57.5°	140.4	109.0	87.6	66.1	39.3	19.4	0.0
-60°	129.6	102.3	83.0	62.5	36.7	18.0	0.0
-62.5°	118.3	95.5	78.1	58.8	33.8	16.7	0.0
-65°	106.7	89.0	73.1	55.1	30.8	15.3	0.0
-67.5°	96.8	82.4	68.0	51.3	27.8	13.9	0.0
-70°	88.7	75.6	62.9	47.5	24.9	12.4	0.0
-72.5°	80.5	69.0	57.7	43.6	21.9	10.9	0.0
-75°	72.1	62.4	52.4	39.3	18.8	9.4	0.0
-77.5°	63.7	55.8	47.1	33.2	15.7	7.9	0.0
-80°	55.1	49.1	39.1	26.8	12.6	6.3	0.0
-82.5°	45.8	38.2	29.5	20.3	9.5	4.7	0.0
-85°	30.6	25.5	19.7	13.6	6.3	3.2	0.0
-87.5°	15.3	12.8	9.9	6.8	3.2	1.6	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)