

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: P902108 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-AV-03-1360S-57-85-A65-NB-LT**

Issue Date: 11/14/2024

**Test Information**

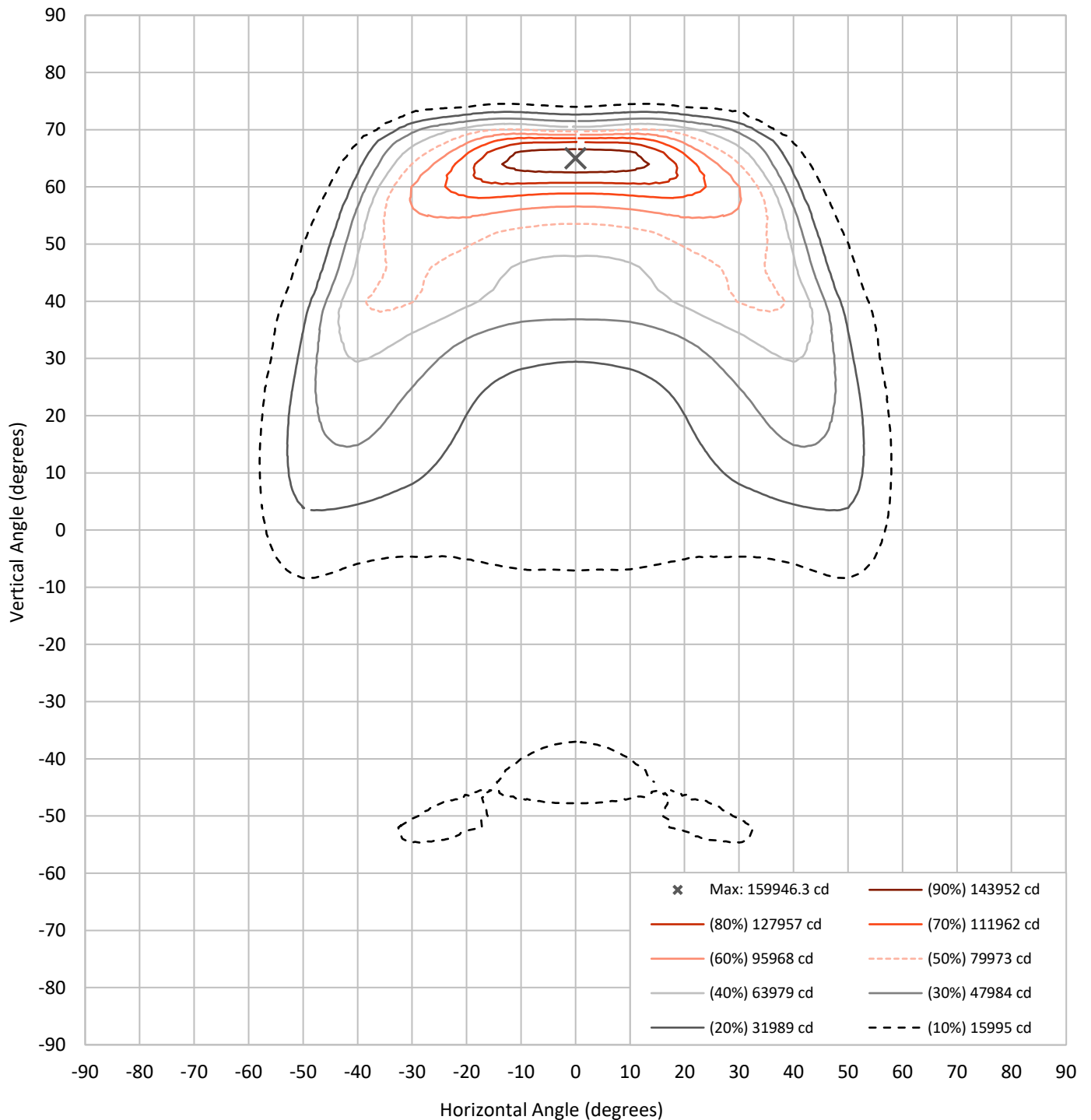
Test Method: LM-79-08  
Report Number: P902108 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( LVM2044000)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/14/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-AV-03-1360S-57-85-A65-NB-LT  
Description: ARENAVISION LUMINAIRE  
5700K, 85 CRI LEDS AND A65-NB-LT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	135337.2 lumens	Max Intensity:	159946.3 candela
Efficiency:	N/A	Max Intensity Angle:	0°H x 65°V
Efficacy:	95.8 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	57.6°H x 16.1°V	Field Angle (10%):	84.5°H x 81.2°V
Beam Lumens:	41093.2 lumens	Field Lumens:	114247.8 lumens
Beam Efficiency:	30.4%	Field Efficiency:	84.4%
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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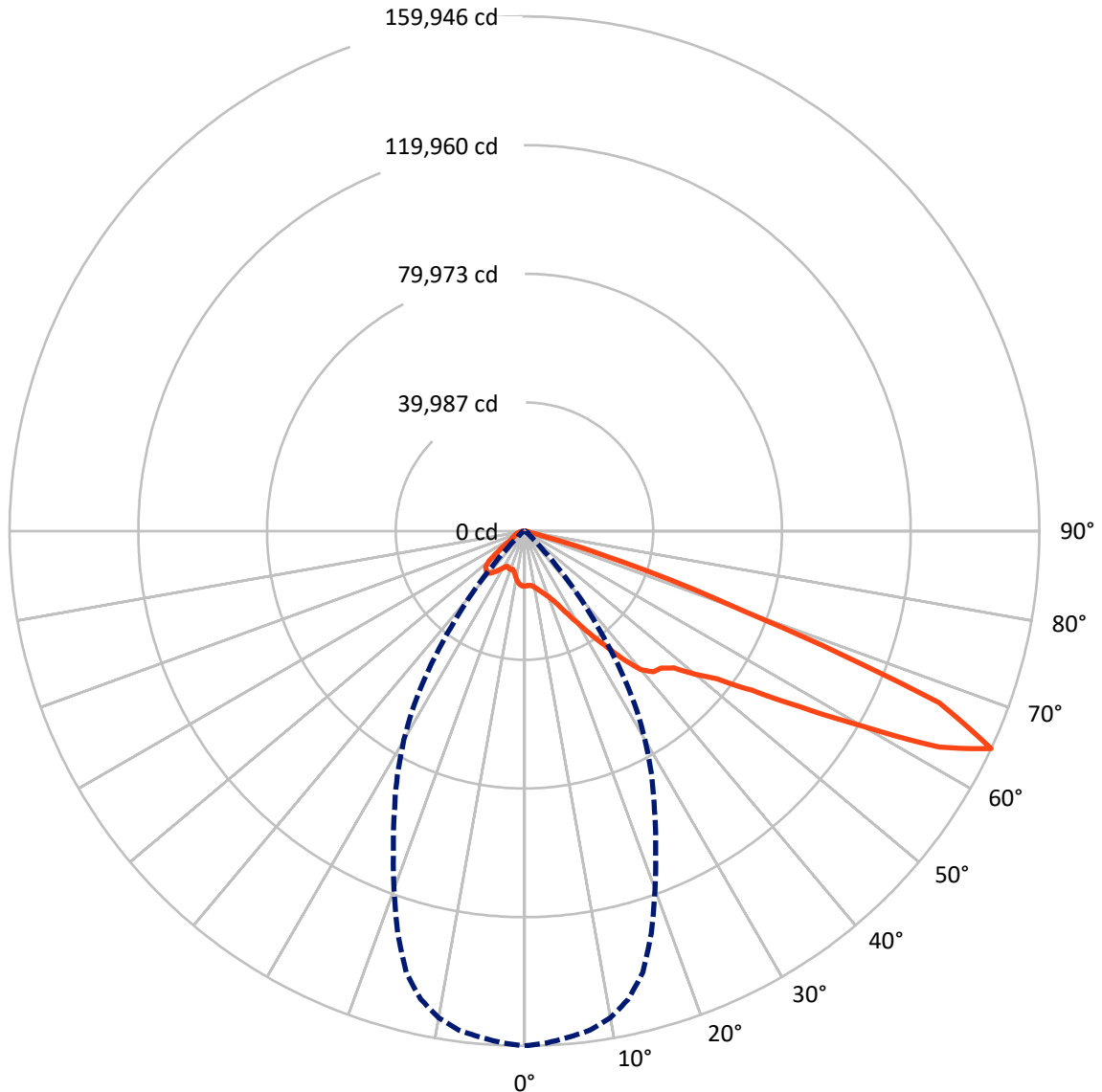
### Iso-Candela Plot





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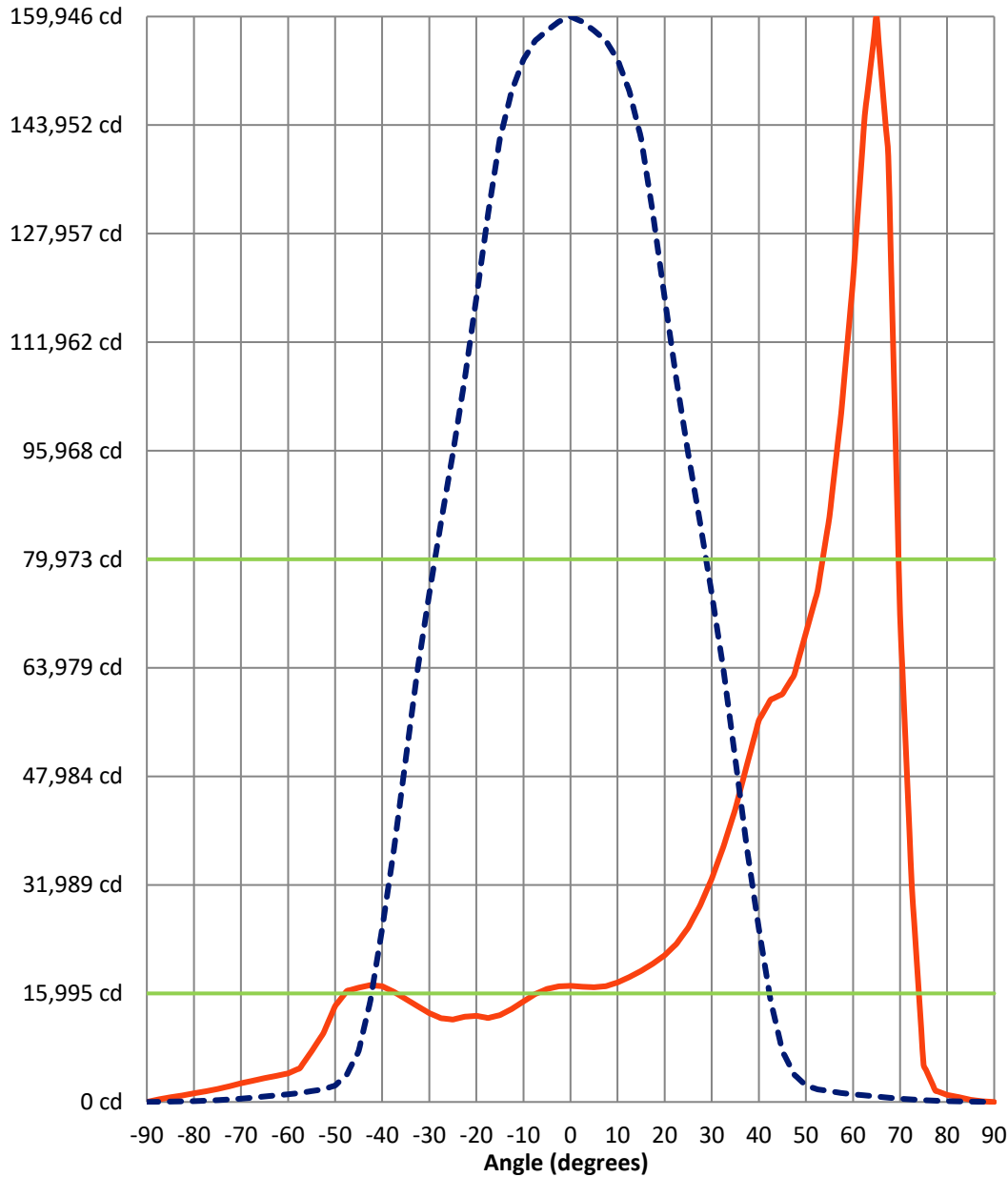
### Luminous Intensity Polar Plot



— Vertical Distribution Through 0-Deg      - - - Horizontal Distribution Through 65-Deg

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### Luminous Intensity Plot



**Beam:**  
 H Angle: 57.6°  
 V Angle: 16.1°  
 Lumens: 41093.2  
 Efficiency: 30.4%

**Field:**  
 H Angle: 84.5°  
 V Angle: 81.2°  
 Lumens: 114247.8  
 Efficiency: 84.4%

**Spill:**  
 Lumens: 21089.3  
 Efficiency: 15.6%

— Vertical Distribution through 0-Deg  
 - - - Horizontal Distribution through 65-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	3.0	6.1	9.2	12.2	15.7	18.8	21.9	25.7	29.6	32.7
85°	0.0	5.9	12.3	18.4	24.5	31.4	37.6	43.7	51.3	59.1	67.1
82.5°	0.0	8.9	18.4	27.5	36.6	47.0	56.3	67.9	86.1	101.9	116.8
80°	0.0	11.8	24.4	36.6	48.7	63.6	79.7	96.9	125.1	145.9	171.3
77.5°	0.0	14.8	30.4	45.7	60.7	82.3	103.3	125.5	167.9	205.6	245.9
75°	0.0	17.7	36.4	54.6	72.7	100.4	126.6	167.9	222.5	268.4	331.0
72.5°	0.0	20.5	42.2	63.4	84.5	117.7	160.0	216.8	277.4	349.9	445.1
70°	0.0	23.3	48.0	72.1	96.1	139.3	196.0	263.6	346.4	438.2	560.1
67.5°	0.0	26.1	53.6	80.6	107.5	165.8	230.7	317.5	414.7	533.6	685.2
65°	0.0	28.8	59.1	88.9	124.1	191.6	269.9	371.5	486.5	637.1	810.6
62.5°	0.0	31.5	64.4	97.0	145.1	216.6	313.7	424.0	563.5	738.4	942.2
60°	0.0	34.1	69.5	105.0	165.5	244.9	355.5	487.1	634.1	847.6	1072.2
57.5°	0.0	36.7	74.5	113.1	185.3	277.1	395.1	548.0	728.0	954.4	1224.5
55°	0.0	39.1	79.4	126.2	204.3	308.1	440.1	603.8	821.4	1081.8	1379.6
52.5°	0.0	41.5	84.1	138.7	223.6	337.7	484.1	672.0	907.8	1200.1	1517.3
50°	0.0	43.9	88.6	150.4	245.0	365.9	526.9	738.4	1002.5	1305.1	1640.1
47.5°	0.0	46.1	93.0	161.3	264.8	400.9	570.5	800.8	1091.4	1412.8	1757.4
45°	0.0	48.3	97.2	171.4	283.0	435.0	624.7	867.1	1176.6	1515.1	1879.7
42.5°	0.0	50.3	101.2	180.8	300.2	468.0	675.3	940.6	1263.7	1613.1	2005.0
40°	0.0	52.3	105.0	189.3	316.4	499.9	721.0	1008.3	1345.3	1702.7	2108.8
37.5°	0.0	54.1	108.6	197.2	331.7	530.6	760.2	1069.6	1420.9	1783.7	2207.7
35°	0.0	55.9	113.2	206.7	350.0	557.2	800.5	1124.8	1480.5	1863.9	2373.3
32.5°	0.0	57.6	117.9	216.2	367.8	579.4	839.5	1169.8	1533.9	1953.9	2647.0
30°	0.0	59.1	122.1	224.6	383.1	599.2	873.3	1205.8	1583.2	2033.7	2896.1
27.5°	0.0	60.5	126.1	232.0	396.0	616.6	900.6	1234.6	1623.6	2100.5	3153.1
25°	0.0	61.9	129.7	238.4	407.3	631.5	921.8	1256.5	1657.1	2257.7	3825.1
22.5°	0.0	63.1	133.0	243.8	416.9	644.4	937.1	1278.2	1707.1	2486.6	4412.8
20°	0.0	64.1	135.9	248.1	425.0	655.4	947.9	1300.6	1759.1	2710.7	4893.0
17.5°	0.0	65.1	138.4	252.7	431.4	663.5	961.2	1318.8	1805.5	2898.4	5267.4
15°	0.0	65.9	140.6	256.8	436.2	670.2	973.9	1338.5	1842.0	3018.4	5489.5
12.5°	0.0	66.6	142.3	260.1	440.2	675.7	982.9	1361.2	1879.7	3104.8	5568.4
10°	0.0	67.2	143.7	262.6	442.8	682.2	988.1	1379.7	1916.9	3175.7	5601.7
7.5°	0.0	67.7	144.7	264.1	443.7	689.0	992.5	1392.5	1944.9	3215.6	5588.7
5°	0.0	68.0	145.4	264.9	443.0	692.7	993.7	1395.8	1952.0	3220.1	5545.2
2.5°	0.0	68.2	145.7	264.8	440.7	693.6	990.7	1393.0	1945.5	3195.3	5486.3
0°	0.0	68.3	145.6	264.0	436.9	691.7	983.9	1383.9	1929.5	3125.0	5387.2
-2.5°	0.0	68.2	145.7	264.3	437.2	690.3	985.1	1381.5	1923.0	3047.8	5303.5
-5°	0.0	68.0	145.4	263.8	436.0	686.2	982.4	1373.4	1907.6	2933.0	5167.5
-7.5°	0.0	67.7	144.7	262.6	433.5	679.4	975.6	1359.8	1883.4	2825.3	5035.3
-10°	0.0	67.2	143.7	260.6	429.5	669.8	964.6	1340.5	1850.8	2715.3	4856.4
-12.5°	0.0	66.6	142.3	257.8	424.2	658.5	949.6	1316.0	1809.6	2603.5	4690.1
-15°	0.0	65.9	140.6	254.2	418.2	645.7	930.8	1286.7	1760.6	2544.0	4488.8
-17.5°	0.0	65.1	138.4	249.8	412.6	631.9	908.1	1253.6	1704.9	2459.4	4240.5
-20°	0.0	64.1	135.9	245.1	405.6	617.5	881.9	1216.2	1642.2	2345.7	3933.3



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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	63.1	133.0	240.4	397.3	601.4	856.6	1173.8	1574.4	2205.3	3597.0
-25°	0.0	61.9	129.7	234.8	387.6	584.9	830.6	1132.1	1502.2	2040.0	3259.0
-27.5°	0.0	60.5	126.1	228.3	376.6	567.0	802.1	1095.4	1443.5	1909.2	2887.2
-30°	0.0	59.1	122.1	220.9	364.2	547.1	771.7	1054.4	1384.5	1824.8	2685.7
-32.5°	0.0	57.6	119.0	212.6	349.3	525.2	739.6	1009.3	1320.4	1721.8	2450.4
-35°	0.0	55.9	115.5	203.4	332.8	501.3	703.4	960.2	1251.0	1603.6	2172.2
-37.5°	0.0	54.1	112.2	194.5	316.1	476.8	666.6	911.2	1183.3	1501.1	1992.0
-40°	0.0	52.3	109.5	188.3	301.6	452.7	633.1	861.4	1120.1	1411.6	1843.9
-42.5°	0.0	50.3	106.4	181.9	286.4	426.7	596.5	806.6	1053.3	1311.6	1661.1
-45°	0.0	48.3	103.0	175.3	270.6	398.9	555.5	747.0	983.0	1213.0	1499.5
-47.5°	0.0	46.1	99.2	168.4	254.1	369.3	510.2	689.1	911.1	1126.2	1350.8
-50°	0.0	43.9	95.1	161.0	237.5	338.1	471.1	631.5	834.1	1034.9	1212.2
-52.5°	0.0	41.5	90.7	153.3	220.5	317.2	433.7	569.1	755.3	941.3	1108.8
-55°	0.0	39.1	85.9	145.3	208.1	295.2	396.6	504.5	680.5	847.9	1000.1
-57.5°	0.0	36.7	80.9	136.9	195.8	271.7	358.2	457.6	604.5	755.0	895.3
-60°	0.0	34.1	75.5	128.3	182.4	246.8	325.5	410.3	531.1	671.5	790.7
-62.5°	0.0	31.5	69.9	119.1	167.9	224.3	292.9	361.2	469.6	588.0	696.8
-65°	0.0	28.8	64.1	109.6	152.3	204.7	260.3	326.4	405.6	511.0	607.4
-67.5°	0.0	26.1	58.1	99.6	138.0	185.1	232.1	290.4	353.4	436.5	526.8
-70°	0.0	23.3	52.1	89.3	125.9	165.4	206.9	254.4	308.0	371.3	448.6
-72.5°	0.0	20.5	46.0	78.7	113.9	147.2	180.5	223.1	261.9	311.3	378.1
-75°	0.0	17.7	39.7	67.8	102.1	129.9	154.3	191.1	224.7	256.0	311.7
-77.5°	0.0	14.8	33.3	57.0	90.3	111.7	130.9	159.5	187.1	214.6	258.4
-80°	0.0	11.8	26.7	45.8	74.7	92.9	107.2	128.3	153.5	173.6	208.2
-82.5°	0.0	8.9	20.1	34.5	56.4	70.7	82.9	96.4	122.0	135.4	157.5
-85°	0.0	5.9	13.5	23.1	37.8	47.2	55.3	64.3	86.6	95.7	105.6
-87.5°	0.0	3.0	6.7	11.6	19.0	23.6	27.7	32.2	43.5	47.9	52.9
-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-A65-NB-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°	36.7	39.8	44.0	48.3	49.8	52.6	56.9	61.1	63.8	66.3	68.6
85°	78.1	87.7	103.8	116.1	120.7	127.4	141.0	156.7	159.9	164.1	172.8
82.5°	132.5	147.6	178.3	201.8	217.2	236.4	266.3	285.5	308.9	335.2	355.2
80°	204.1	235.1	271.8	306.7	341.1	379.5	431.2	468.5	510.5	553.4	593.2
77.5°	290.5	339.0	394.4	446.9	498.0	546.6	637.9	721.7	799.9	890.0	1004.0
75°	413.6	487.7	545.7	616.9	697.8	781.6	903.6	1064.5	1240.8	1464.8	1714.6
72.5°	546.6	641.8	731.3	818.4	934.0	1068.7	1256.7	1571.2	2052.3	2628.6	3330.0
70°	688.1	797.8	921.1	1055.3	1203.8	1420.6	1820.7	2462.7	4041.0	6761.7	11661.5
67.5°	830.5	964.5	1112.0	1318.2	1524.9	1846.0	2747.8	4517.4	8324.3	16584.3	29519.5
65°	975.2	1132.3	1322.6	1606.4	1858.2	2432.2	4063.5	7535.0	14975.0	25589.1	37275.7
62.5°	1122.7	1309.1	1531.7	1856.3	2283.3	3480.4	5944.1	12111.2	21386.4	31407.1	44566.2
60°	1289.3	1492.8	1741.7	2147.9	2899.6	4918.7	9038.6	16677.7	25408.2	37416.9	54346.2
57.5°	1455.7	1680.9	1957.5	2422.9	3906.8	6754.7	13199.2	20855.8	30124.6	45011.4	63237.9
55°	1619.1	1860.7	2148.1	3147.3	5330.5	10237.4	16651.6	23601.4	35631.9	52558.6	68904.5
52.5°	1774.6	2030.1	2578.0	4008.1	7287.3	13381.6	19349.9	27232.0	40893.5	57515.8	71552.1
50°	1920.7	2266.1	3012.0	5046.5	10454.4	16252.8	21265.3	31217.7	46161.4	61699.9	73495.4
47.5°	2068.3	2483.7	3793.2	7468.8	13472.3	17680.3	24319.5	35835.2	51061.1	64761.9	74705.0
45°	2216.0	2956.1	5028.1	10295.1	14702.8	19360.2	27300.1	40138.6	55356.8	67644.6	75650.5
42.5°	2351.4	3458.8	7180.6	11969.8	16143.4	21326.3	31238.0	46375.0	60899.9	71854.3	79006.6
40°	2740.2	4625.7	9050.8	13880.7	17890.5	25129.6	37496.5	52914.8	66931.2	76977.4	81790.9
37.5°	3108.6	6107.1	10838.2	15152.2	20305.6	28994.7	42564.3	57994.9	69400.7	75987.2	78902.9
35°	3667.7	7346.6	12213.8	15815.5	21813.5	31889.3	45317.5	58462.9	67265.9	71973.7	73046.9
32.5°	4638.2	8423.8	12410.3	16739.8	23654.5	34106.4	46871.4	58101.9	64819.5	67981.3	67888.3
30°	5453.1	9279.3	12517.7	17699.4	25566.8	36125.9	48444.5	57808.1	62960.2	64779.7	63803.7
27.5°	6164.1	9685.4	13241.0	19397.3	27708.0	38138.2	48962.8	56747.0	60616.2	61516.9	60034.4
25°	6668.7	9824.0	14129.8	21126.0	29720.5	39655.8	49313.9	55498.0	58284.1	58497.4	56625.5
22.5°	7061.3	9898.3	14771.6	22665.8	31316.0	40443.7	48589.8	53611.1	55793.1	55693.3	53836.2
20°	7241.9	10004.2	15570.8	23912.1	32415.6	40731.7	47688.2	51884.2	53680.7	53426.8	51478.5
17.5°	7405.5	10371.2	16399.1	24856.3	33133.4	40683.8	46680.7	49935.8	51255.4	50930.8	49189.6
15°	7523.5	10643.5	16953.2	25524.5	33539.2	40052.4	44920.8	47639.4	48665.4	48231.9	46667.8
12.5°	7609.2	10725.4	17199.5	25812.5	33319.5	39075.1	42957.6	45073.2	45731.3	45125.0	43611.3
10°	7623.2	10692.2	17116.2	25583.4	32707.6	37694.0	40616.1	41989.2	42150.0	41464.6	40072.7
7.5°	7613.7	10549.3	16825.1	24922.3	31512.8	35788.1	37764.7	38387.0	38192.2	37377.8	36094.8
5°	7556.5	10323.8	16254.6	23750.1	29776.7	33353.9	34381.0	34399.5	33887.3	32947.2	31748.3
2.5°	7507.8	10053.6	15391.0	22153.1	27517.4	30435.8	30724.2	30202.1	29395.3	28387.6	27323.1
0°	7418.7	9722.2	14282.5	20158.0	24769.3	27086.1	26953.2	26004.8	24977.3	23955.2	23072.4
-2.5°	7354.7	9364.1	13136.7	17935.6	21679.6	23536.3	23248.7	22218.1	21150.4	20147.6	19378.5
-5°	7255.7	8991.3	11977.9	15742.9	18643.4	20065.3	19849.2	18833.3	17793.7	16909.5	16275.7
-7.5°	7176.5	8663.6	10901.0	13697.7	15865.2	16942.6	16860.1	15982.7	15085.5	14304.9	13782.3
-10°	7075.4	8421.6	10058.0	12062.7	13516.3	14330.6	14328.1	13687.5	12987.9	12367.4	12007.2
-12.5°	7047.0	8274.1	9434.8	10812.6	11818.7	12315.6	12398.8	11939.9	11426.2	10977.5	10826.8
-15°	6992.2	8265.2	9106.4	9915.4	10687.0	10997.4	11081.4	10760.3	10373.8	10066.9	10127.9
-17.5°	6819.8	8292.0	8791.3	9355.7	9846.7	10101.5	10205.2	10014.1	9775.1	9693.5	9935.7
-20°	6438.0	8022.9	8415.9	8674.9	8965.5	9187.9	9305.5	9280.0	9194.3	9259.7	9748.5



REPORT NUMBER: P902108 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NB-LT

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	5854.6	7522.0	8024.8	7952.8	8138.6	8270.2	8399.5	8493.3	8469.7	8632.2	9193.5
-25°	5297.5	7171.1	7763.6	7705.9	7597.2	7666.0	7825.1	7978.9	8005.6	8158.8	8781.8
-27.5°	4843.2	6878.7	7755.3	7642.4	7381.5	7363.9	7505.5	7727.3	7895.9	8071.4	8541.5
-30°	4401.2	6424.7	7634.5	7638.4	7262.3	7158.7	7296.2	7578.0	7830.4	8035.6	8465.0
-32.5°	3905.1	5808.8	7206.8	7592.6	7277.2	7031.8	7098.5	7386.2	7734.6	7991.5	8396.9
-35°	3369.2	5202.8	6798.2	7597.3	7373.7	7000.8	6965.5	7239.5	7680.2	8078.1	8488.8
-37.5°	2981.1	4594.4	6155.2	7170.3	7428.7	7174.6	6999.2	7183.8	7674.6	8223.0	8744.0
-40°	2620.3	3918.9	5460.1	6710.9	7368.4	7307.9	7167.6	7282.6	7719.9	8431.9	9138.5
-42.5°	2222.8	3274.7	4678.1	5951.2	6836.1	7346.0	7372.4	7479.9	7961.6	8842.6	9852.5
-45°	1951.0	2705.2	3852.6	5203.6	6285.8	7069.4	7521.5	7709.5	8169.0	9038.8	10243.6
-47.5°	1654.4	2169.9	3118.7	4265.1	5649.2	6726.4	7597.7	8199.4	8675.3	9553.7	10672.3
-50°	1470.8	1872.3	2416.6	3328.4	4556.9	6114.2	7510.0	8606.4	9670.0	10615.5	11939.4
-52.5°	1311.9	1611.7	2044.5	2610.1	3235.3	4603.1	6420.5	8320.2	10056.0	11824.6	13332.2
-55°	1172.0	1411.4	1743.7	2076.7	2409.1	2848.8	4180.2	6244.0	8535.6	10684.7	12510.1
-57.5°	1030.6	1203.5	1426.7	1588.1	1852.8	2055.5	2500.9	3532.6	5930.1	8478.9	10373.4
-60°	908.4	1047.4	1195.5	1373.5	1532.6	1731.4	1949.3	2482.9	3695.7	6095.2	8622.9
-62.5°	806.3	921.5	1052.9	1199.7	1350.0	1509.5	1687.7	1949.7	2404.9	3866.9	6078.7
-65°	710.1	806.1	920.7	1045.3	1187.4	1323.4	1471.3	1636.5	1871.5	2417.8	3450.5
-67.5°	613.8	701.0	794.2	907.0	1030.5	1145.9	1267.3	1406.8	1579.7	1811.1	2102.3
-70°	525.5	598.9	686.5	778.9	869.3	970.1	1074.9	1191.8	1330.2	1485.5	1670.3
-72.5°	438.2	510.7	585.9	659.7	731.9	811.5	895.8	989.2	1097.2	1218.8	1350.7
-75°	368.3	430.3	487.0	548.3	608.0	671.7	742.3	813.3	893.4	982.2	1085.4
-77.5°	300.7	356.9	400.8	448.1	497.6	542.0	599.1	659.9	725.6	794.2	879.6
-80°	240.4	282.8	315.2	355.7	399.4	430.7	473.9	526.3	582.4	629.2	693.4
-82.5°	178.6	206.6	231.9	267.8	297.6	325.7	356.6	402.7	442.3	467.7	519.8
-85°	115.3	129.4	163.2	181.6	203.1	223.5	244.9	277.4	299.4	323.8	371.9
-87.5°	56.7	61.4	86.5	92.6	107.9	116.9	135.1	140.0	157.5	165.5	189.3
-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: P902108 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NB-LT

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	71.7	79.0	82.7	87.5	90.3	93.5	96.2	94.9	101.8	103.8	105.9
85°	183.3	205.5	220.0	229.3	237.4	251.6	264.3	263.9	276.7	288.3	317.0
82.5°	375.0	400.1	422.8	437.7	458.3	482.4	513.1	534.2	548.3	571.9	762.3
80°	656.9	722.1	777.5	820.7	878.3	921.3	950.3	955.6	970.9	1010.1	1496.8
77.5°	1169.1	1339.8	1481.9	1614.1	1701.8	1736.7	1735.0	1695.5	1687.8	1683.1	1827.8
75°	2152.6	2825.4	3551.4	4056.1	4185.3	4073.4	4603.8	6239.2	7185.6	7387.2	7090.5
72.5°	5958.7	11530.4	18033.1	23403.6	26743.3	28957.8	32216.5	35752.2	38164.3	38847.9	37906.5
70°	21443.6	33739.2	44021.7	51694.9	58034.6	63471.4	69857.3	75878.5	80010.7	81797.1	80792.6
67.5°	43122.9	53482.8	62140.2	69885.4	77860.4	87174.4	98241.0	109547.3	119946.3	129195.7	134768.2
65°	50544.9	63650.9	74892.5	85455.8	95549.2	106401.8	118483.6	130910.8	141953.4	148948.0	153590.8
62.5°	60070.4	75191.2	88171.6	98538.9	106977.5	115977.9	125306.6	133709.5	139102.7	142035.7	143744.5
60°	71752.3	85529.9	96343.6	103998.8	109702.4	114831.3	119708.8	123195.9	124382.1	124018.2	123259.9
57.5°	79626.9	90097.6	97365.6	102030.4	104823.4	106596.4	108173.2	108894.3	107720.7	106096.1	104286.4
55°	82498.6	89319.2	94044.8	96295.6	96889.1	97250.1	97014.0	95240.4	92967.2	91177.0	89522.1
52.5°	80948.5	86315.8	88657.6	89783.3	89455.7	88611.5	87526.5	84677.6	81488.9	79456.6	77759.5
50°	81103.7	84553.3	86495.9	86123.5	85318.8	84135.1	81374.8	78179.8	75508.4	72976.5	71093.1
47.5°	80141.7	82825.0	83262.4	82222.5	80556.8	78555.4	74981.5	71353.0	68805.5	66447.0	64584.3
45°	80144.2	81872.2	81447.6	79872.7	77715.3	75102.7	71220.6	67886.9	65419.2	63229.2	61622.5
42.5°	82248.2	83065.1	82124.6	79809.2	77652.1	73991.1	70318.9	66914.0	64472.7	62482.9	60785.5
40°	83333.8	83145.2	80515.9	77550.5	74865.8	70508.8	67066.2	63486.3	61016.5	59013.9	57423.3
37.5°	78934.9	76776.6	73344.1	70327.3	66737.5	62704.6	59195.7	56370.0	53960.0	52198.8	50923.8
35°	71533.5	68558.2	65177.9	62035.2	58226.8	54738.8	51606.7	49015.5	46843.2	45449.7	44254.2
32.5°	65770.4	62564.0	59095.8	55940.9	52387.5	48807.6	45831.8	43404.7	41517.7	40108.8	39038.5
30°	61339.8	57982.1	54616.3	51557.6	47916.5	44404.0	41545.5	39130.1	37290.2	35807.2	34765.9
27.5°	57318.5	53946.9	50860.1	47874.8	44282.6	40882.3	38088.1	35700.2	33780.3	32145.6	31026.5
25°	53837.9	50701.1	47938.0	45024.1	41445.0	38181.6	35438.9	32989.4	31011.4	29301.9	28025.5
22.5°	51196.4	48276.7	45666.9	42764.8	39283.2	36146.9	33431.7	30989.0	28920.3	27168.0	25787.3
20°	48966.8	46227.6	43835.5	40969.5	37566.3	34561.5	31874.0	29420.2	27308.5	25525.7	24076.5
17.5°	46831.2	44346.3	42133.1	39344.1	35933.9	33096.2	30421.9	27983.9	25853.9	24050.6	22652.0
15°	44457.3	42159.9	40043.4	37347.5	34201.6	31457.6	28892.1	26507.8	24405.7	22678.3	21301.3
12.5°	41562.3	39430.4	37607.3	35099.1	32081.1	29559.2	27170.7	24929.4	23011.1	21392.5	20114.1
10°	38157.4	36219.9	34565.9	32327.5	29743.6	27486.1	25336.6	23398.4	21699.4	20283.5	19151.7
7.5°	34393.5	32684.4	31293.1	29425.8	27115.4	25342.2	23618.4	22042.7	20614.4	19373.0	18438.6
5°	30343.9	28961.2	27887.3	26509.6	24624.9	23214.2	21919.5	20676.5	19588.8	18631.4	17969.4
2.5°	26172.0	25161.2	24493.3	23572.5	22206.0	21173.9	20292.3	19445.9	18697.3	18071.2	17700.7
0°	22164.0	21517.8	21186.5	20687.7	19808.5	19217.4	18734.6	18289.1	17915.5	17601.9	17487.6
-2.5°	18686.5	18272.8	18152.1	18007.4	17557.5	17391.4	17300.6	17228.3	17166.2	17102.7	17175.6
-5°	15744.9	15534.5	15552.3	15684.6	15592.1	15781.0	16041.1	16244.3	16397.6	16491.1	16630.6
-7.5°	13465.2	13431.5	13491.5	13827.1	13997.7	14430.9	14866.0	15187.6	15473.2	15673.7	15807.8
-10°	11897.6	11899.2	11988.7	12391.7	12768.1	13277.6	13719.7	14068.0	14407.6	14636.7	14763.1
-12.5°	10877.7	10948.5	10964.5	11374.1	11793.5	12281.7	12710.5	13020.8	13293.7	13533.6	13667.8
-15°	10331.0	10411.7	10396.1	10697.8	11101.0	11527.1	11910.9	12180.0	12384.0	12579.9	12711.3
-17.5°	10234.3	10261.9	10213.3	10458.0	10840.0	11190.8	11540.2	11755.7	11897.1	12064.8	12186.1
-20°	10066.3	10128.0	10173.8	10441.4	10878.3	11199.0	11654.8	11848.7	11914.5	12088.4	12394.5



REPORT NUMBER: P902108 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NB-LT

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	9495.3	9591.5	9737.7	9994.9	10452.8	10758.9	11176.5	11501.6	11641.0	11817.0	12198.7
-25°	8975.0	9053.5	9254.5	9489.8	9873.5	10158.5	10520.9	10836.3	11080.2	11281.7	11635.7
-27.5°	8800.6	8926.5	9146.9	9373.4	9721.5	10025.8	10405.6	10789.1	11051.4	11289.0	11629.3
-30°	8757.5	9009.9	9305.1	9582.7	9937.4	10300.3	10718.8	11199.4	11535.8	11821.2	12177.4
-32.5°	8808.6	9205.4	9598.9	9945.7	10313.1	10809.4	11238.7	11819.3	12247.0	12624.7	13027.2
-35°	9012.2	9555.2	10061.1	10502.5	10916.2	11491.1	11960.5	12584.5	13137.9	13594.6	14045.4
-37.5°	9375.0	10082.4	10727.5	11277.9	11766.9	12411.0	12969.8	13544.4	14142.2	14654.8	15093.4
-40°	9915.2	10779.9	11611.9	12311.1	12862.7	13509.4	14222.8	14606.2	15155.1	15643.5	16003.8
-42.5°	10827.6	11974.7	12843.4	13711.2	14151.7	14660.6	15223.0	15486.5	15799.1	16175.0	16406.1
-45°	11592.1	12919.3	14205.2	14959.8	15570.2	15684.5	15941.9	16044.2	16003.7	16181.1	16345.3
-47.5°	12124.9	13538.8	14726.9	15516.8	15966.9	16025.4	16022.1	16046.8	15855.7	15879.4	15957.9
-50°	13185.8	14710.1	15647.5	16392.4	16536.7	16508.8	16405.7	16113.6	15897.2	15395.7	14982.0
-52.5°	15237.0	16356.3	17536.1	18045.4	18166.4	18379.5	17080.3	16028.1	15298.1	13376.4	11979.1
-55°	14249.2	15286.9	16114.5	15758.8	15399.2	14104.2	11924.5	10352.1	8875.2	7728.4	7552.7
-57.5°	11689.6	12505.4	12154.4	11171.6	9325.5	7157.2	5920.0	5218.9	4834.3	4718.4	4679.4
-60°	10300.7	10455.0	9473.4	7600.7	5889.5	4760.8	4283.4	4236.3	4194.8	4185.8	4194.3
-62.5°	7533.5	7586.8	6536.6	5015.6	4117.4	3790.6	3731.0	3776.3	3767.1	3771.9	3778.9
-65°	4359.7	4406.6	3867.6	3326.3	3236.3	3262.2	3285.4	3324.1	3359.6	3372.1	3381.0
-67.5°	2508.0	2663.0	2660.8	2682.9	2773.4	2838.6	2881.7	2932.0	2978.1	3011.6	3046.7
-70°	1868.9	2021.3	2162.8	2287.6	2389.0	2449.2	2477.9	2523.3	2599.1	2654.5	2694.5
-72.5°	1492.7	1656.6	1817.5	1951.8	2038.8	2061.7	2059.1	2090.8	2152.5	2200.1	2252.5
-75°	1205.9	1358.1	1522.2	1645.0	1691.1	1677.0	1669.9	1700.8	1756.1	1803.2	1859.1
-77.5°	977.7	1108.0	1249.6	1346.5	1386.7	1369.6	1353.7	1369.8	1406.6	1457.7	1522.1
-80°	767.8	858.8	955.1	1032.4	1073.7	1076.2	1075.9	1100.5	1135.2	1168.2	1220.3
-82.5°	568.0	632.4	710.1	759.4	788.4	804.6	815.3	843.0	863.9	894.0	916.0
-85°	405.1	459.4	524.2	565.1	578.1	590.2	598.1	615.3	631.9	646.5	665.2
-87.5°	213.6	240.8	254.8	279.9	296.5	312.0	318.8	326.3	345.5	356.4	362.1
-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: P902108 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NB-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°	111.8	112.2	110.0	98.3	110.0	112.2	111.8	105.9	103.8	101.8	94.9
85°	373.1	372.1	336.3	320.4	336.3	372.1	373.1	317.0	288.3	276.7	263.9
82.5°	785.1	810.1	753.7	711.8	753.7	810.1	785.1	762.3	571.9	548.3	534.2
80°	1235.8	1070.5	1044.2	1044.8	1044.2	1070.5	1235.8	1496.8	1010.1	970.9	955.6
77.5°	1795.4	1761.4	1712.4	1688.4	1712.4	1761.4	1795.4	1827.8	1683.1	1687.8	1695.5
75°	6548.3	6053.6	5670.6	5513.7	5670.6	6053.6	6548.3	7090.5	7387.2	7185.6	6239.2
72.5°	35787.8	33711.4	32295.3	31818.9	32295.3	33711.4	35787.8	37906.5	38847.9	38164.3	35752.2
70°	77678.1	74254.3	72278.4	71829.1	72278.4	74254.3	77678.1	80792.6	81797.1	80010.7	75878.5
67.5°	137095.5	137697.4	138519.1	139389.7	138519.1	137697.4	137095.5	134768.2	129195.7	119946.3	109547.3
65°	156390.1	157879.7	159186.4	159946.3	159186.4	157879.7	156390.1	153590.8	148948.0	141953.4	130910.8
62.5°	144525.9	144681.0	145073.1	145318.4	145073.1	144681.0	144525.9	143744.5	142035.7	139102.7	133709.5
60°	122284.5	121355.3	121059.4	120988.2	121059.4	121355.3	122284.5	123259.9	124018.2	124382.1	123195.9
57.5°	102945.8	101917.0	101544.5	101491.0	101544.5	101917.0	102945.8	104286.4	106096.1	107720.7	108894.3
55°	88175.5	86891.1	86263.5	86204.1	86263.5	86891.1	88175.5	89522.1	91177.0	92967.2	95240.4
52.5°	76673.2	75620.7	75183.7	75346.0	75183.7	75620.7	76673.2	77759.5	79456.6	81488.9	84677.6
50°	69990.4	69206.4	68884.5	69106.0	68884.5	69206.4	69990.4	71093.1	72976.5	75508.4	78179.8
47.5°	63468.5	62983.6	62757.0	62908.8	62757.0	62983.6	63468.5	64584.3	66447.0	68805.5	71353.0
45°	60816.7	60290.7	60065.0	60111.9	60065.0	60290.7	60816.7	61622.5	63229.2	65419.2	67886.9
42.5°	59959.0	59465.2	59337.4	59261.8	59337.4	59465.2	59959.0	60785.5	62482.9	64472.7	66914.0
40°	56621.8	56305.4	56368.0	56221.9	56368.0	56305.4	56621.8	57423.3	59013.9	61016.5	63486.3
37.5°	50227.6	49898.5	49782.6	49742.5	49782.6	49898.5	50227.6	50923.8	52198.8	53960.0	56370.0
35°	43700.6	43393.3	43172.3	43143.0	43172.3	43393.3	43700.6	44254.2	45449.7	46843.2	49015.5
32.5°	38458.8	37982.0	37716.6	37665.7	37716.6	37982.0	38458.8	39038.5	40108.8	41517.7	43404.7
30°	34077.1	33400.1	33025.0	32892.9	33025.0	33400.1	34077.1	34765.9	35807.2	37290.2	39130.1
27.5°	30225.3	29473.2	29037.1	28903.7	29037.1	29473.2	30225.3	31026.5	32145.6	33780.3	35700.2
25°	27089.2	26386.6	25849.6	25682.7	25849.6	26386.6	27089.2	28025.5	29301.9	31011.4	32989.4
22.5°	24822.3	24076.2	23505.6	23299.9	23505.6	24076.2	24822.3	25787.3	27168.0	28920.3	30989.0
20°	23067.3	22314.4	21796.7	21617.9	21796.7	22314.4	23067.3	24076.5	25525.7	27308.5	29420.2
17.5°	21613.9	20867.8	20435.4	20382.8	20435.4	20867.8	21613.9	22652.0	24050.6	25853.9	27983.9
15°	20314.9	19593.3	19251.4	19317.1	19251.4	19593.3	20314.9	21301.3	22678.3	24405.7	26507.8
12.5°	19180.9	18532.7	18300.8	18409.6	18300.8	18532.7	19180.9	20114.1	21392.5	23011.1	24929.4
10°	18328.9	17822.5	17620.8	17616.9	17620.8	17822.5	18328.9	19151.7	20283.5	21699.4	23398.4
7.5°	17803.8	17447.0	17196.9	17062.6	17196.9	17447.0	17803.8	18438.6	19373.0	20614.4	22042.7
5°	17591.0	17334.0	17046.8	16908.8	17046.8	17334.0	17591.0	17969.4	18631.4	19588.8	20676.5
2.5°	17558.6	17368.7	17114.0	16984.3	17114.0	17368.7	17558.6	17700.7	18071.2	18697.3	19445.9
0°	17490.8	17335.7	17147.7	17114.5	17147.7	17335.7	17490.8	17487.6	17601.9	17915.5	18289.1
-2.5°	17226.6	17107.1	17018.5	17037.1	17018.5	17107.1	17226.6	17175.6	17102.7	17166.2	17228.3
-5°	16686.8	16614.3	16604.4	16652.1	16604.4	16614.3	16686.8	16630.6	16491.1	16397.6	16244.3
-7.5°	15862.7	15816.6	15878.0	15904.0	15878.0	15816.6	15862.7	15807.8	15673.7	15473.2	15187.6
-10°	14800.7	14773.7	14805.9	14813.6	14805.9	14773.7	14800.7	14763.1	14636.7	14407.6	14068.0
-12.5°	13711.7	13687.1	13715.4	13696.9	13715.4	13687.1	13711.7	13667.8	13533.6	13293.7	13020.8
-15°	12790.6	12785.1	12825.2	12800.4	12825.2	12785.1	12790.6	12711.3	12579.9	12384.0	12180.0
-17.5°	12331.8	12306.3	12357.8	12379.0	12357.8	12306.3	12331.8	12186.1	12064.8	11897.1	11755.7
-20°	12439.0	12438.2	12612.4	12694.8	12612.4	12438.2	12439.0	12394.5	12088.4	11914.5	11848.7



REPORT NUMBER: P902108 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NB-LT

**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	12370.8	12271.7	12434.5	12561.9	12434.5	12271.7	12370.8	12198.7	11817.0	11641.0	11501.6
-25°	11884.9	11993.4	12078.4	12148.7	12078.4	11993.4	11884.9	11635.7	11281.7	11080.2	10836.3
-27.5°	11909.5	12101.9	12267.4	12347.1	12267.4	12101.9	11909.5	11629.3	11289.0	11051.4	10789.1
-30°	12530.3	12799.2	13010.7	13091.6	13010.7	12799.2	12530.3	12177.4	11821.2	11535.8	11199.4
-32.5°	13438.0	13777.7	14014.6	14125.6	14014.6	13777.7	13438.0	13027.2	12624.7	12247.0	11819.3
-35°	14508.3	14848.6	15077.1	15172.2	15077.1	14848.6	14508.3	14045.4	13594.6	13137.9	12584.5
-37.5°	15579.7	15926.0	16129.8	16221.6	16129.8	15926.0	15579.7	15093.4	14654.8	14142.2	13544.4
-40°	16436.8	16783.8	16986.2	17052.6	16986.2	16783.8	16436.8	16003.8	15643.5	15155.1	14606.2
-42.5°	16711.1	16986.2	17148.9	17221.8	17148.9	16986.2	16711.1	16406.1	16175.0	15799.1	15486.5
-45°	16502.1	16687.8	16810.0	16843.2	16810.0	16687.8	16502.1	16345.3	16181.1	16003.7	16044.2
-47.5°	16098.4	16233.9	16324.8	16358.1	16324.8	16233.9	16098.4	15957.9	15879.4	15855.7	16046.8
-50°	14718.2	14446.0	14248.2	14129.2	14248.2	14446.0	14718.2	14982.0	15395.7	15897.2	16113.6
-52.5°	11162.2	10570.3	10218.0	10129.1	10218.0	10570.3	11162.2	11979.1	13376.4	15298.1	16028.1
-55°	7509.6	7478.4	7461.0	7466.9	7461.0	7478.4	7509.6	7552.7	7728.4	8875.2	10352.1
-57.5°	4805.6	4922.2	4970.5	4979.5	4970.5	4922.2	4805.6	4679.4	4718.4	4834.3	5218.9
-60°	4203.3	4201.1	4210.9	4215.8	4210.9	4201.1	4203.3	4194.3	4185.8	4194.8	4236.3
-62.5°	3797.2	3813.7	3826.6	3847.2	3826.6	3813.7	3797.2	3778.9	3771.9	3767.1	3776.3
-65°	3424.0	3451.8	3462.3	3515.0	3462.3	3451.8	3424.0	3381.0	3372.1	3359.6	3324.1
-67.5°	3096.8	3091.5	3106.3	3128.2	3106.3	3091.5	3096.8	3046.7	3011.6	2978.1	2932.0
-70°	2733.0	2749.8	2756.3	2759.6	2756.3	2749.8	2733.0	2694.5	2654.5	2599.1	2523.3
-72.5°	2312.2	2329.5	2321.6	2310.0	2321.6	2329.5	2312.2	2252.5	2200.1	2152.5	2090.8
-75°	1947.9	1961.3	1933.2	1909.5	1933.2	1961.3	1947.9	1859.1	1803.2	1756.1	1700.8
-77.5°	1626.0	1643.0	1602.8	1571.8	1602.8	1643.0	1626.0	1522.1	1457.7	1406.6	1369.8
-80°	1304.4	1326.8	1298.9	1277.9	1298.9	1326.8	1304.4	1220.3	1168.2	1135.2	1100.5
-82.5°	974.9	987.4	967.3	952.9	967.3	987.4	974.9	916.0	894.0	863.9	843.0
-85°	686.0	689.7	691.2	691.7	691.2	689.7	686.0	665.2	646.5	631.9	615.3
-87.5°	371.1	380.0	381.0	381.4	381.0	380.0	371.1	362.1	356.4	345.5	326.3
-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: P902108 (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°	96.2	93.5	90.3	87.5	82.7	79.0	71.7	68.6	66.3	63.8	61.1
85°	264.3	251.6	237.4	229.3	220.0	205.5	183.3	172.8	164.1	159.9	156.7
82.5°	513.1	482.4	458.3	437.7	422.8	400.1	375.0	355.2	335.2	308.9	285.5
80°	950.3	921.3	878.3	820.7	777.5	722.1	656.9	593.2	553.4	510.5	468.5
77.5°	1735.0	1736.7	1701.8	1614.1	1481.9	1339.8	1169.1	1004.0	890.0	799.9	721.7
75°	4603.8	4073.4	4185.3	4056.1	3551.4	2825.4	2152.6	1714.6	1464.8	1240.8	1064.5
72.5°	32216.5	28957.8	26743.3	23403.6	18033.1	11530.4	5958.7	3330.0	2628.6	2052.3	1571.2
70°	69857.3	63471.4	58034.6	51694.9	44021.7	33739.2	21443.6	11661.5	6761.7	4041.0	2462.7
67.5°	98241.0	87174.4	77860.4	69885.4	62140.2	53482.8	43122.9	29519.5	16584.3	8324.3	4517.4
65°	118483.6	106401.8	95549.2	85455.8	74892.5	63650.9	50544.9	37275.7	25589.1	14975.0	7535.0
62.5°	125306.6	115977.9	106977.5	98538.9	88171.6	75191.2	60070.4	44566.2	31407.1	21386.4	12111.2
60°	119708.8	114831.3	109702.4	103998.8	96343.6	85529.9	71752.3	54346.2	37416.9	25408.2	16677.7
57.5°	108173.2	106596.4	104823.4	102030.4	97365.6	90097.6	79626.9	63237.9	45011.4	30124.6	20855.8
55°	97014.0	97250.1	96889.1	96295.6	94044.8	89319.2	82498.6	68904.5	52558.6	35631.9	23601.4
52.5°	87526.5	88611.5	89455.7	89783.3	88657.6	86315.8	80948.5	71552.1	57515.8	40893.5	27232.0
50°	81374.8	84135.1	85318.8	86123.5	86495.9	84553.3	81103.7	73495.4	61699.9	46161.4	31217.7
47.5°	74981.5	78555.4	80556.8	82222.5	83262.4	82825.0	80141.7	74705.0	64761.9	51061.1	35835.2
45°	71220.6	75102.7	77715.3	79872.7	81447.6	81872.2	80144.2	75650.5	67644.6	55356.8	40138.6
42.5°	70318.9	73991.1	77652.1	79809.2	82124.6	83065.1	82248.2	79006.6	71854.3	60899.9	46375.0
40°	67066.2	70508.8	74865.8	77550.5	80515.9	83145.2	83333.8	81790.9	76977.4	66931.2	52914.8
37.5°	59195.7	62704.6	66737.5	70327.3	73344.1	76776.6	78934.9	78902.9	75987.2	69400.7	57994.9
35°	51606.7	54738.8	58226.8	62035.2	65177.9	68558.2	71533.5	73046.9	71973.7	67265.9	58462.9
32.5°	45831.8	48807.6	52387.5	55940.9	59095.8	62564.0	65770.4	67888.3	67981.3	64819.5	58101.9
30°	41545.5	44404.0	47916.5	51557.6	54616.3	57982.1	61339.8	63803.7	64779.7	62960.2	57808.1
27.5°	38088.1	40882.3	44282.6	47874.8	50860.1	53946.9	57318.5	60034.4	61516.9	60616.2	56747.0
25°	35438.9	38181.6	41445.0	45024.1	47938.0	50701.1	53837.9	56625.5	58497.4	58284.1	55498.0
22.5°	33431.7	36146.9	39283.2	42764.8	45666.9	48276.7	51196.4	53836.2	55693.3	55793.1	53611.1
20°	31874.0	34561.5	37566.3	40969.5	43835.5	46227.6	48966.8	51478.5	53426.8	53680.7	51884.2
17.5°	30421.9	33096.2	35933.9	39344.1	42133.1	44346.3	46831.2	49189.6	50930.8	51255.4	49935.8
15°	28892.1	31457.6	34201.6	37347.5	40043.4	42159.9	44457.3	46667.8	48231.9	48665.4	47639.4
12.5°	27170.7	29559.2	32081.1	35099.1	37607.3	39430.4	41562.3	43611.3	45125.0	45731.3	45073.2
10°	25336.6	27486.1	29743.6	32327.5	34565.9	36219.9	38157.4	40072.7	41464.6	42150.0	41989.2
7.5°	23618.4	25342.2	27115.4	29425.8	31293.1	32684.4	34393.5	36094.8	37377.8	38192.2	38387.0
5°	21919.5	23214.2	24624.9	26509.6	27887.3	28961.2	30343.9	31748.3	32947.2	33887.3	34399.5
2.5°	20292.3	21173.9	22206.0	23572.5	24493.3	25161.2	26172.0	27323.1	28387.6	29395.3	30202.1
0°	18734.6	19217.4	19808.5	20687.7	21186.5	21517.8	22164.0	23072.4	23955.2	24977.3	26004.8
-2.5°	17300.6	17391.4	17557.5	18007.4	18152.1	18272.8	18686.5	19378.5	20147.6	21150.4	22218.1
-5°	16041.1	15781.0	15592.1	15684.6	15552.3	15534.5	15744.9	16275.7	16909.5	17793.7	18833.3
-7.5°	14866.0	14430.9	13997.7	13827.1	13491.5	13431.5	13465.2	13782.3	14304.9	15085.5	15982.7
-10°	13719.7	13277.6	12768.1	12391.7	11988.7	11899.2	11897.6	12007.2	12367.4	12987.9	13687.5
-12.5°	12710.5	12281.7	11793.5	11374.1	10964.5	10948.5	10877.7	10826.8	10977.5	11426.2	11939.9
-15°	11910.9	11527.1	11101.0	10697.8	10396.1	10411.7	10331.0	10127.9	10066.9	10373.8	10760.3
-17.5°	11540.2	11190.8	10840.0	10458.0	10213.3	10261.9	10234.3	9935.7	9693.5	9775.1	10014.1
-20°	11654.8	11199.0	10878.3	10441.4	10173.8	10128.0	10066.3	9748.5	9259.7	9194.3	9280.0



REPORT NUMBER: P902108 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NB-LT

**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	11176.5	10758.9	10452.8	9994.9	9737.7	9591.5	9495.3	9193.5	8632.2	8469.7	8493.3
-25°	10520.9	10158.5	9873.5	9489.8	9254.5	9053.5	8975.0	8781.8	8158.8	8005.6	7978.9
-27.5°	10405.6	10025.8	9721.5	9373.4	9146.9	8926.5	8800.6	8541.5	8071.4	7895.9	7727.3
-30°	10718.8	10300.3	9937.4	9582.7	9305.1	9009.9	8757.5	8465.0	8035.6	7830.4	7578.0
-32.5°	11238.7	10809.4	10313.1	9945.7	9598.9	9205.4	8808.6	8396.9	7991.5	7734.6	7386.2
-35°	11960.5	11491.1	10916.2	10502.5	10061.1	9555.2	9012.2	8488.8	8078.1	7680.2	7239.5
-37.5°	12969.8	12411.0	11766.9	11277.9	10727.5	10082.4	9375.0	8744.0	8223.0	7674.6	7183.8
-40°	14222.8	13509.4	12862.7	12311.1	11611.9	10779.9	9915.2	9138.5	8431.9	7719.9	7282.6
-42.5°	15223.0	14660.6	14151.7	13711.2	12843.4	11974.7	10827.6	9852.5	8842.6	7961.6	7479.9
-45°	15941.9	15684.5	15570.2	14959.8	14205.2	12919.3	11592.1	10243.6	9038.8	8169.0	7709.5
-47.5°	16022.1	16025.4	15966.9	15516.8	14726.9	13538.8	12124.9	10672.3	9553.7	8675.3	8199.4
-50°	16405.7	16508.8	16536.7	16392.4	15647.5	14710.1	13185.8	11939.4	10615.5	9670.0	8606.4
-52.5°	17080.3	18379.5	18166.4	18045.4	17536.1	16356.3	15237.0	13332.2	11824.6	10056.0	8320.2
-55°	11924.5	14104.2	15399.2	15758.8	16114.5	15286.9	14249.2	12510.1	10684.7	8535.6	6244.0
-57.5°	5920.0	7157.2	9325.5	11171.6	12154.4	12505.4	11689.6	10373.4	8478.9	5930.1	3532.6
-60°	4283.4	4760.8	5889.5	7600.7	9473.4	10455.0	10300.7	8622.9	6095.2	3695.7	2482.9
-62.5°	3731.0	3790.6	4117.4	5015.6	6536.6	7586.8	7533.5	6078.7	3866.9	2404.9	1949.7
-65°	3285.4	3262.2	3236.3	3326.3	3867.6	4406.6	4359.7	3450.5	2417.8	1871.5	1636.5
-67.5°	2881.7	2838.6	2773.4	2682.9	2660.8	2663.0	2508.0	2102.3	1811.1	1579.7	1406.8
-70°	2477.9	2449.2	2389.0	2287.6	2162.8	2021.3	1868.9	1670.3	1485.5	1330.2	1191.8
-72.5°	2059.1	2061.7	2038.8	1951.8	1817.5	1656.6	1492.7	1350.7	1218.8	1097.2	989.2
-75°	1669.9	1677.0	1691.1	1645.0	1522.2	1358.1	1205.9	1085.4	982.2	893.4	813.3
-77.5°	1353.7	1369.6	1386.7	1346.5	1249.6	1108.0	977.7	879.6	794.2	725.6	659.9
-80°	1075.9	1076.2	1073.7	1032.4	955.1	858.8	767.8	693.4	629.2	582.4	526.3
-82.5°	815.3	804.6	788.4	759.4	710.1	632.4	568.0	519.8	467.7	442.3	402.7
-85°	598.1	590.2	578.1	565.1	524.2	459.4	405.1	371.9	323.8	299.4	277.4
-87.5°	318.8	312.0	296.5	279.9	254.8	240.8	213.6	189.3	165.5	157.5	140.0
-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: P902108 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A65-NB-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°	56.9	52.6	49.8	48.3	44.0	39.8	36.7	32.7	29.6	25.7	21.9
85°	141.0	127.4	120.7	116.1	103.8	87.7	78.1	67.1	59.1	51.3	43.7
82.5°	266.3	236.4	217.2	201.8	178.3	147.6	132.5	116.8	101.9	86.1	67.9
80°	431.2	379.5	341.1	306.7	271.8	235.1	204.1	171.3	145.9	125.1	96.9
77.5°	637.9	546.6	498.0	446.9	394.4	339.0	290.5	245.9	205.6	167.9	125.5
75°	903.6	781.6	697.8	616.9	545.7	487.7	413.6	331.0	268.4	222.5	167.9
72.5°	1256.7	1068.7	934.0	818.4	731.3	641.8	546.6	445.1	349.9	277.4	216.8
70°	1820.7	1420.6	1203.8	1055.3	921.1	797.8	688.1	560.1	438.2	346.4	263.6
67.5°	2747.8	1846.0	1524.9	1318.2	1112.0	964.5	830.5	685.2	533.6	414.7	317.5
65°	4063.5	2432.2	1858.2	1606.4	1322.6	1132.3	975.2	810.6	637.1	486.5	371.5
62.5°	5944.1	3480.4	2283.3	1856.3	1531.7	1309.1	1122.7	942.2	738.4	563.5	424.0
60°	9038.6	4918.7	2899.6	2147.9	1741.7	1492.8	1289.3	1072.2	847.6	634.1	487.1
57.5°	13199.2	6754.7	3906.8	2422.9	1957.5	1680.9	1455.7	1224.5	954.4	728.0	548.0
55°	16651.6	10237.4	5330.5	3147.3	2148.1	1860.7	1619.1	1379.6	1081.8	821.4	603.8
52.5°	19349.9	13381.6	7287.3	4008.1	2578.0	2030.1	1774.6	1517.3	1200.1	907.8	672.0
50°	21265.3	16252.8	10454.4	5046.5	3012.0	2266.1	1920.7	1640.1	1305.1	1002.5	738.4
47.5°	24319.5	17680.3	13472.3	7468.8	3793.2	2483.7	2068.3	1757.4	1412.8	1091.4	800.8
45°	27300.1	19360.2	14702.8	10295.1	5028.1	2956.1	2216.0	1879.7	1515.1	1176.6	867.1
42.5°	31238.0	21326.3	16143.4	11969.8	7180.6	3458.8	2351.4	2005.0	1613.1	1263.7	940.6
40°	37496.5	25129.6	17890.5	13880.7	9050.8	4625.7	2740.2	2108.8	1702.7	1345.3	1008.3
37.5°	42564.3	28994.7	20305.6	15152.2	10838.2	6107.1	3108.6	2207.7	1783.7	1420.9	1069.6
35°	45317.5	31889.3	21813.5	15815.5	12213.8	7346.6	3667.7	2373.3	1863.9	1480.5	1124.8
32.5°	46871.4	34106.4	23654.5	16739.8	12410.3	8423.8	4638.2	2647.0	1953.9	1533.9	1169.8
30°	48444.5	36125.9	25566.8	17699.4	12517.7	9279.3	5453.1	2896.1	2033.7	1583.2	1205.8
27.5°	48962.8	38138.2	27708.0	19397.3	13241.0	9685.4	6164.1	3153.1	2100.5	1623.6	1234.6
25°	49313.9	39655.8	29720.5	21126.0	14129.8	9824.0	6668.7	3825.1	2257.7	1657.1	1256.5
22.5°	48589.8	40443.7	31316.0	22665.8	14771.6	9898.3	7061.3	4412.8	2486.6	1707.1	1278.2
20°	47688.2	40731.7	32415.6	23912.1	15570.8	10004.2	7241.9	4893.0	2710.7	1759.1	1300.6
17.5°	46680.7	40683.8	33133.4	24856.3	16399.1	10371.2	7405.5	5267.4	2898.4	1805.5	1318.8
15°	44920.8	40052.4	33539.2	25524.5	16953.2	10643.5	7523.5	5489.5	3018.4	1842.0	1338.5
12.5°	42957.6	39075.1	33319.5	25812.5	17199.5	10725.4	7609.2	5568.4	3104.8	1879.7	1361.2
10°	40616.1	37694.0	32707.6	25583.4	17116.2	10692.2	7623.2	5601.7	3175.7	1916.9	1379.7
7.5°	37764.7	35788.1	31512.8	24922.3	16825.1	10549.3	7613.7	5588.7	3215.6	1944.9	1392.5
5°	34381.0	33353.9	29776.7	23750.1	16254.6	10323.8	7556.5	5545.2	3220.1	1952.0	1395.8
2.5°	30724.2	30435.8	27517.4	22153.1	15391.0	10053.6	7507.8	5486.3	3195.3	1945.5	1393.0
0°	26953.2	27086.1	24769.3	20158.0	14282.5	9722.2	7418.7	5387.2	3125.0	1929.5	1383.9
-2.5°	23248.7	23536.3	21679.6	17935.6	13136.7	9364.1	7354.7	5303.5	3047.8	1923.0	1381.5
-5°	19849.2	20065.3	18643.4	15742.9	11977.9	8991.3	7255.7	5167.5	2933.0	1907.6	1373.4
-7.5°	16860.1	16942.6	15865.2	13697.7	10901.0	8663.6	7176.5	5035.3	2825.3	1883.4	1359.8
-10°	14328.1	14330.6	13516.3	12062.7	10058.0	8421.6	7075.4	4856.4	2715.3	1850.8	1340.5
-12.5°	12398.8	12315.6	11818.7	10812.6	9434.8	8274.1	7047.0	4690.1	2603.5	1809.6	1316.0
-15°	11081.4	10997.4	10687.0	9915.4	9106.4	8265.2	6992.2	4488.8	2544.0	1760.6	1286.7
-17.5°	10205.2	10101.5	9846.7	9355.7	8791.3	8292.0	6819.8	4240.5	2459.4	1704.9	1253.6
-20°	9305.5	9187.9	8965.5	8674.9	8415.9	8022.9	6438.0	3933.3	2345.7	1642.2	1216.2



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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°	8399.5	8270.2	8138.6	7952.8	8024.8	7522.0	5854.6	3597.0	2205.3	1574.4	1173.8
-25°	7825.1	7666.0	7597.2	7705.9	7763.6	7171.1	5297.5	3259.0	2040.0	1502.2	1132.1
-27.5°	7505.5	7363.9	7381.5	7642.4	7755.3	6878.7	4843.2	2887.2	1909.2	1443.5	1095.4
-30°	7296.2	7158.7	7262.3	7638.4	7634.5	6424.7	4401.2	2685.7	1824.8	1384.5	1054.4
-32.5°	7098.5	7031.8	7277.2	7592.6	7206.8	5808.8	3905.1	2450.4	1721.8	1320.4	1009.3
-35°	6965.5	7000.8	7373.7	7597.3	6798.2	5202.8	3369.2	2172.2	1603.6	1251.0	960.2
-37.5°	6999.2	7174.6	7428.7	7170.3	6155.2	4594.4	2981.1	1992.0	1501.1	1183.3	911.2
-40°	7167.6	7307.9	7368.4	6710.9	5460.1	3918.9	2620.3	1843.9	1411.6	1120.1	861.4
-42.5°	7372.4	7346.0	6836.1	5951.2	4678.1	3274.7	2222.8	1661.1	1311.6	1053.3	806.6
-45°	7521.5	7069.4	6285.8	5203.6	3852.6	2705.2	1951.0	1499.5	1213.0	983.0	747.0
-47.5°	7597.7	6726.4	5649.2	4265.1	3118.7	2169.9	1654.4	1350.8	1126.2	911.1	689.1
-50°	7510.0	6114.2	4556.9	3328.4	2416.6	1872.3	1470.8	1212.2	1034.9	834.1	631.5
-52.5°	6420.5	4603.1	3235.3	2610.1	2044.5	1611.7	1311.9	1108.8	941.3	755.3	569.1
-55°	4180.2	2848.8	2409.1	2076.7	1743.7	1411.4	1172.0	1000.1	847.9	680.5	504.5
-57.5°	2500.9	2055.5	1852.8	1588.1	1426.7	1203.5	1030.6	895.3	755.0	604.5	457.6
-60°	1949.3	1731.4	1532.6	1373.5	1195.5	1047.4	908.4	790.7	671.5	531.1	410.3
-62.5°	1687.7	1509.5	1350.0	1199.7	1052.9	921.5	806.3	696.8	588.0	469.6	361.2
-65°	1471.3	1323.4	1187.4	1045.3	920.7	806.1	710.1	607.4	511.0	405.6	326.4
-67.5°	1267.3	1145.9	1030.5	907.0	794.2	701.0	613.8	526.8	436.5	353.4	290.4
-70°	1074.9	970.1	869.3	778.9	686.5	598.9	525.5	448.6	371.3	308.0	254.4
-72.5°	895.8	811.5	731.9	659.7	585.9	510.7	438.2	378.1	311.3	261.9	223.1
-75°	742.3	671.7	608.0	548.3	487.0	430.3	368.3	311.7	256.0	224.7	191.1
-77.5°	599.1	542.0	497.6	448.1	400.8	356.9	300.7	258.4	214.6	187.1	159.5
-80°	473.9	430.7	399.4	355.7	315.2	282.8	240.4	208.2	173.6	153.5	128.3
-82.5°	356.6	325.7	297.6	267.8	231.9	206.6	178.6	157.5	135.4	122.0	96.4
-85°	244.9	223.5	203.1	181.6	163.2	129.4	115.3	105.6	95.7	86.6	64.3
-87.5°	135.1	116.9	107.9	92.6	86.5	61.4	56.7	52.9	47.9	43.5	32.2
-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):**

	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°	18.8	15.7	12.2	9.2	6.1	3.0	0.0
85°	37.6	31.4	24.5	18.4	12.3	5.9	0.0
82.5°	56.3	47.0	36.6	27.5	18.4	8.9	0.0
80°	79.7	63.6	48.7	36.6	24.4	11.8	0.0
77.5°	103.3	82.3	60.7	45.7	30.4	14.8	0.0
75°	126.6	100.4	72.7	54.6	36.4	17.7	0.0
72.5°	160.0	117.7	84.5	63.4	42.2	20.5	0.0
70°	196.0	139.3	96.1	72.1	48.0	23.3	0.0
67.5°	230.7	165.8	107.5	80.6	53.6	26.1	0.0
65°	269.9	191.6	124.1	88.9	59.1	28.8	0.0
62.5°	313.7	216.6	145.1	97.0	64.4	31.5	0.0
60°	355.5	244.9	165.5	105.0	69.5	34.1	0.0
57.5°	395.1	277.1	185.3	113.1	74.5	36.7	0.0
55°	440.1	308.1	204.3	126.2	79.4	39.1	0.0
52.5°	484.1	337.7	223.6	138.7	84.1	41.5	0.0
50°	526.9	365.9	245.0	150.4	88.6	43.9	0.0
47.5°	570.5	400.9	264.8	161.3	93.0	46.1	0.0
45°	624.7	435.0	283.0	171.4	97.2	48.3	0.0
42.5°	675.3	468.0	300.2	180.8	101.2	50.3	0.0
40°	721.0	499.9	316.4	189.3	105.0	52.3	0.0
37.5°	760.2	530.6	331.7	197.2	108.6	54.1	0.0
35°	800.5	557.2	350.0	206.7	113.2	55.9	0.0
32.5°	839.5	579.4	367.8	216.2	117.9	57.6	0.0
30°	873.3	599.2	383.1	224.6	122.1	59.1	0.0
27.5°	900.6	616.6	396.0	232.0	126.1	60.5	0.0
25°	921.8	631.5	407.3	238.4	129.7	61.9	0.0
22.5°	937.1	644.4	416.9	243.8	133.0	63.1	0.0
20°	947.9	655.4	425.0	248.1	135.9	64.1	0.0
17.5°	961.2	663.5	431.4	252.7	138.4	65.1	0.0
15°	973.9	670.2	436.2	256.8	140.6	65.9	0.0
12.5°	982.9	675.7	440.2	260.1	142.3	66.6	0.0
10°	988.1	682.2	442.8	262.6	143.7	67.2	0.0
7.5°	992.5	689.0	443.7	264.1	144.7	67.7	0.0
5°	993.7	692.7	443.0	264.9	145.4	68.0	0.0
2.5°	990.7	693.6	440.7	264.8	145.7	68.2	0.0
0°	983.9	691.7	436.9	264.0	145.6	68.3	0.0
-2.5°	985.1	690.3	437.2	264.3	145.7	68.2	0.0
-5°	982.4	686.2	436.0	263.8	145.4	68.0	0.0
-7.5°	975.6	679.4	433.5	262.6	144.7	67.7	0.0
-10°	964.6	669.8	429.5	260.6	143.7	67.2	0.0
-12.5°	949.6	658.5	424.2	257.8	142.3	66.6	0.0
-15°	930.8	645.7	418.2	254.2	140.6	65.9	0.0
-17.5°	908.1	631.9	412.6	249.8	138.4	65.1	0.0
-20°	881.9	617.5	405.6	245.1	135.9	64.1	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	856.6	601.4	397.3	240.4	133.0	63.1	0.0
-25°	830.6	584.9	387.6	234.8	129.7	61.9	0.0
-27.5°	802.1	567.0	376.6	228.3	126.1	60.5	0.0
-30°	771.7	547.1	364.2	220.9	122.1	59.1	0.0
-32.5°	739.6	525.2	349.3	212.6	119.0	57.6	0.0
-35°	703.4	501.3	332.8	203.4	115.5	55.9	0.0
-37.5°	666.6	476.8	316.1	194.5	112.2	54.1	0.0
-40°	633.1	452.7	301.6	188.3	109.5	52.3	0.0
-42.5°	596.5	426.7	286.4	181.9	106.4	50.3	0.0
-45°	555.5	398.9	270.6	175.3	103.0	48.3	0.0
-47.5°	510.2	369.3	254.1	168.4	99.2	46.1	0.0
-50°	471.1	338.1	237.5	161.0	95.1	43.9	0.0
-52.5°	433.7	317.2	220.5	153.3	90.7	41.5	0.0
-55°	396.6	295.2	208.1	145.3	85.9	39.1	0.0
-57.5°	358.2	271.7	195.8	136.9	80.9	36.7	0.0
-60°	325.5	246.8	182.4	128.3	75.5	34.1	0.0
-62.5°	292.9	224.3	167.9	119.1	69.9	31.5	0.0
-65°	260.3	204.7	152.3	109.6	64.1	28.8	0.0
-67.5°	232.1	185.1	138.0	99.6	58.1	26.1	0.0
-70°	206.9	165.4	125.9	89.3	52.1	23.3	0.0
-72.5°	180.5	147.2	113.9	78.7	46.0	20.5	0.0
-75°	154.3	129.9	102.1	67.8	39.7	17.7	0.0
-77.5°	130.9	111.7	90.3	57.0	33.3	14.8	0.0
-80°	107.2	92.9	74.7	45.8	26.7	11.8	0.0
-82.5°	82.9	70.7	56.4	34.5	20.1	8.9	0.0
-85°	55.3	47.2	37.8	23.1	13.5	5.9	0.0
-87.5°	27.7	23.6	19.0	11.6	6.7	3.0	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)