

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: P902084 (CONVERTED FROM TYPE C PHOTOMETRY)

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

Issue Date: 11/13/2024

**Test Information**

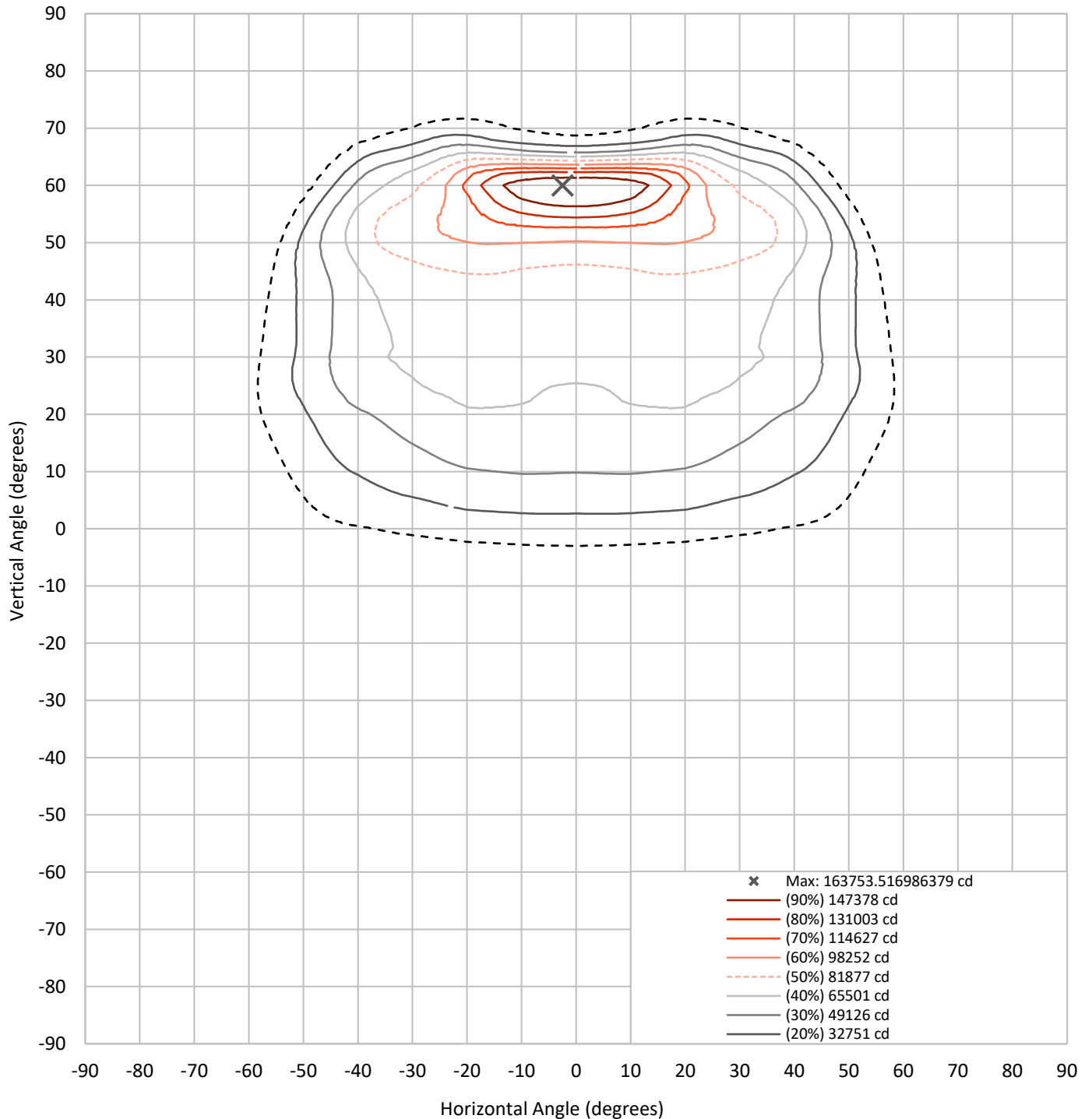
Test Method: LM-79-08  
Report Number: P902084 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA ( LVM20548U1)  
Test Lab: INNOVATION CENTER  
Issue Date: 11/13/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-AV-03-1360S-57-85-A55-MB-LT  
Description: ARENAVISION LUMINAIRE  
5700K, 85 CRI LEDS AND A55-MB-LT OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	5H x 5V
Luminaire Lumens:	139465.5 lumens	Max Intensity:	163753.5 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 60°V
Efficacy:	98.7 lumens/watt		
Luminous Opening:	Rectangular (W 2m x L: 2m x H: 0m)		
Beam Angle (50%):	57.6°H x 18.1°V	Field Angle (10%):	96.4°H x 71.7°V
Beam Lumens:	38724.1 lumens	Field Lumens:	121739.1 lumens
Beam Efficiency:	27.8%	Field Efficiency:	87.3%
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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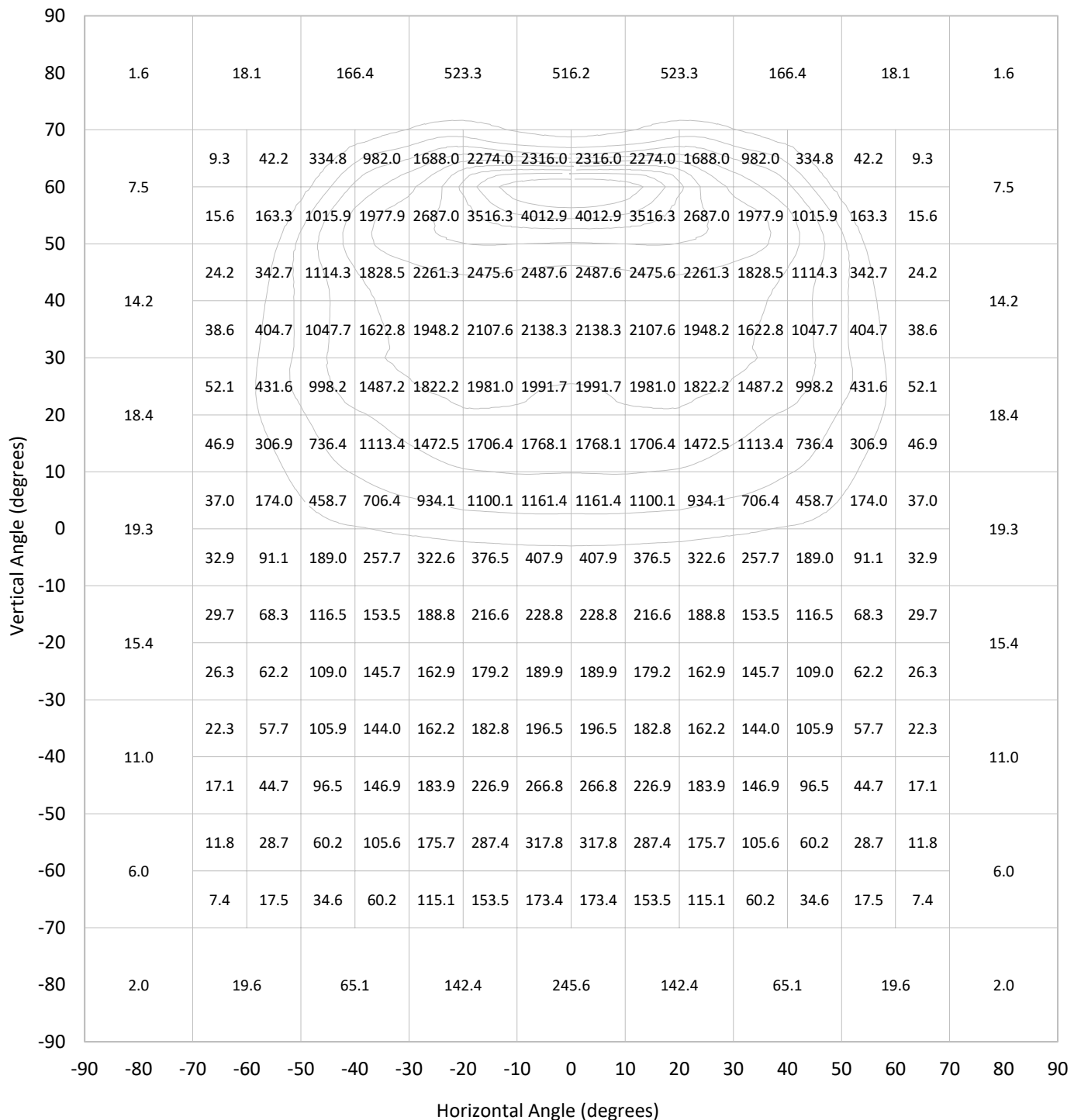
### Iso-Candela Plot





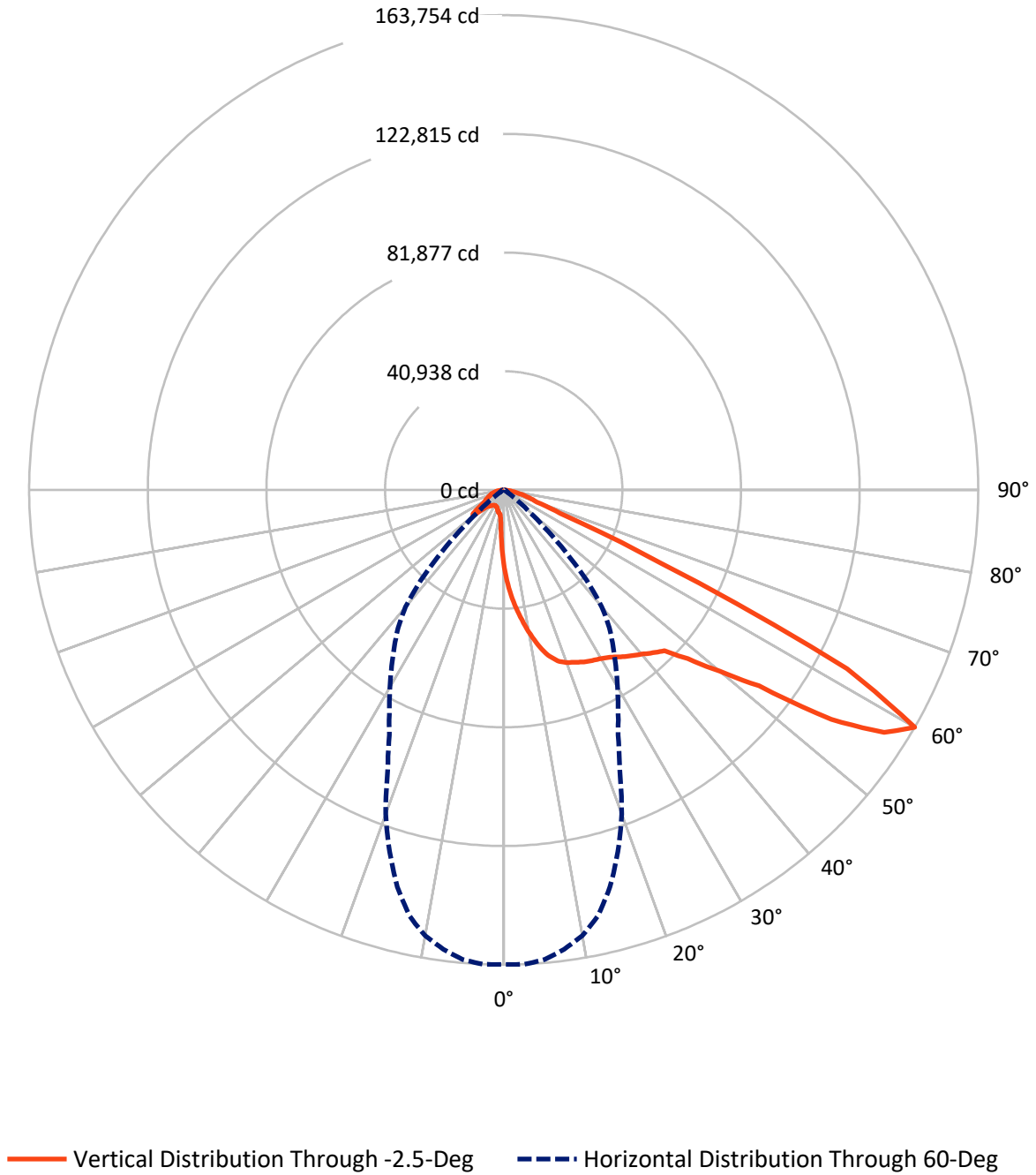
REPORT NUMBER: P902084 (CONVERTED FROM TYPE C PHOTOMETRY)  
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### Lumen Table



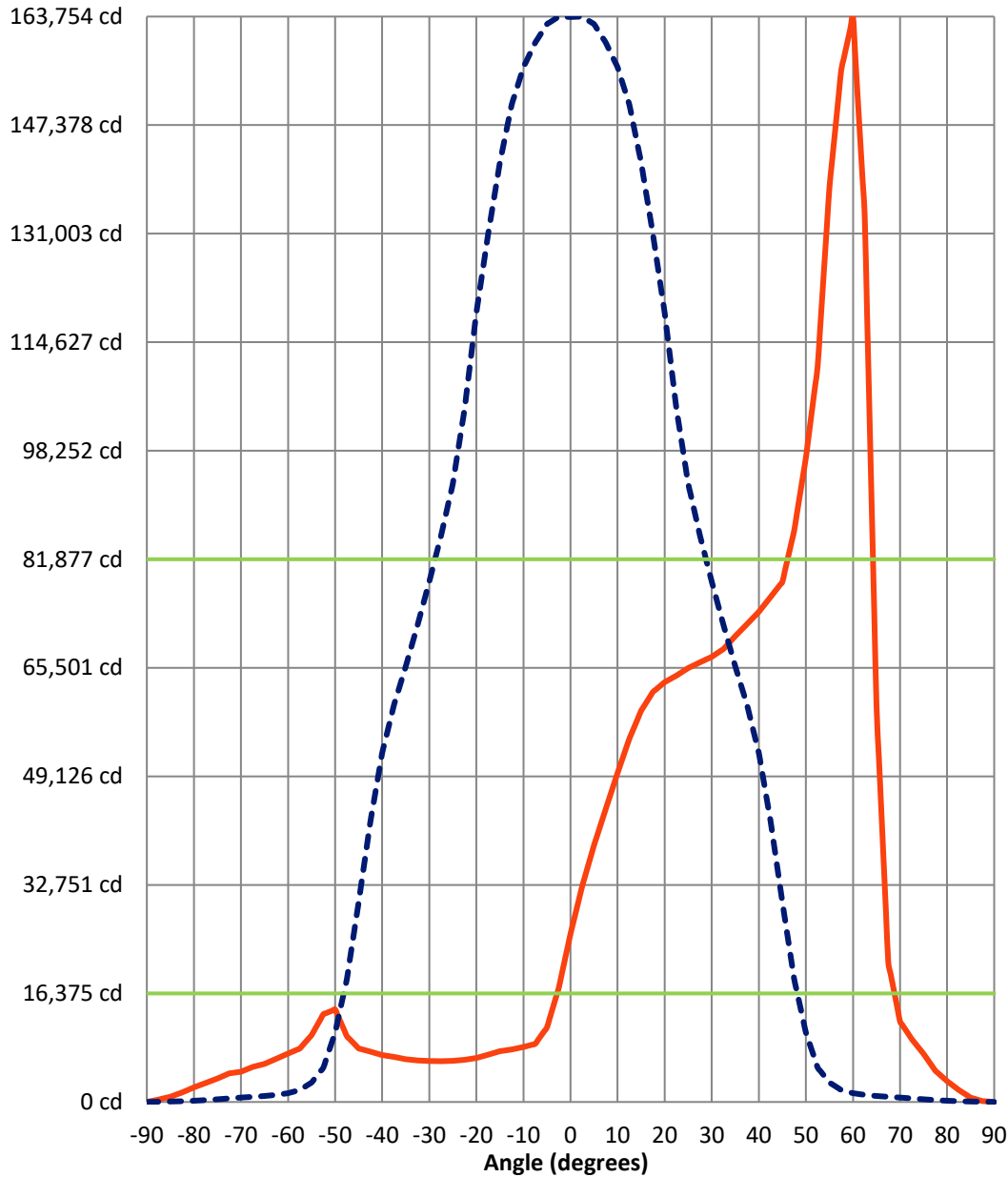
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CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MB-LT

### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 57.6°  
 V Angle: 18.1°  
 Lumens: 38724.1  
 Efficiency: 27.8%

**Field:**  
 H Angle: 96.4°  
 V Angle: 71.7°  
 Lumens: 121739.1  
 Efficiency: 87.3%

**Spill:**  
 Lumens: 17726.4  
 Efficiency: 12.7%

- Vertical Distribution through -2.5-Deg
- - - Horizontal Distribution through 60-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	5.9	8.9	11.8	14.8	17.7	20.5	23.3	26.1	28.8
85°	0.0	5.9	11.9	17.8	23.7	29.5	35.3	41.0	46.6	52.2	59.1
82.5°	0.0	8.9	17.8	26.7	35.5	44.2	52.9	64.7	77.2	89.5	101.6
80°	0.0	11.8	23.7	35.5	47.2	60.8	77.9	94.8	111.4	127.8	149.0
77.5°	0.0	14.8	29.5	44.2	59.9	81.8	103.6	124.6	153.0	187.8	217.0
75°	0.0	17.7	35.3	52.9	74.4	102.4	129.1	169.6	212.7	253.0	290.5
72.5°	0.0	20.5	41.0	63.1	88.8	122.3	169.0	222.8	272.2	329.3	378.3
70°	0.0	23.3	46.6	73.7	102.9	149.2	213.2	275.2	345.6	410.7	474.5
67.5°	0.0	26.1	52.2	84.1	116.9	183.6	256.5	338.8	421.1	497.3	584.8
65°	0.0	28.8	58.3	94.3	137.4	217.2	304.1	402.7	500.2	589.5	692.1
62.5°	0.0	31.5	64.7	104.2	163.5	249.8	356.1	464.7	583.8	680.7	798.2
60°	0.0	34.1	70.9	113.8	188.7	284.1	406.6	538.5	666.4	775.5	903.9
57.5°	0.0	36.7	76.9	123.7	213.0	319.9	455.4	612.0	744.9	867.8	1012.6
55°	0.0	39.1	82.7	139.3	236.3	353.4	513.6	682.2	821.7	964.0	1117.9
52.5°	0.0	41.5	88.3	153.9	259.0	384.6	566.8	744.7	897.3	1060.7	1243.6
50°	0.0	43.9	93.7	167.4	281.9	414.5	617.2	804.3	981.2	1159.6	1363.2
47.5°	0.0	46.1	98.8	179.9	302.6	454.5	664.6	861.6	1061.9	1259.7	1501.9
45°	0.0	48.3	103.6	191.2	320.7	491.7	708.2	921.8	1136.3	1355.4	1640.1
42.5°	0.0	50.3	108.2	201.3	337.2	525.9	750.3	978.9	1209.8	1456.0	1777.2
40°	0.0	52.3	112.5	210.2	352.3	557.2	789.1	1028.8	1274.9	1550.5	1929.9
37.5°	0.0	54.1	116.5	218.0	366.0	585.4	822.9	1072.2	1331.5	1630.5	2062.3
35°	0.0	56.1	121.2	226.6	382.9	609.6	854.1	1112.8	1390.9	1722.6	2192.8
32.5°	0.0	57.9	125.8	234.9	399.8	630.7	883.2	1154.8	1454.5	1829.5	2347.2
30°	0.0	59.7	129.8	242.3	414.3	649.3	909.8	1194.2	1513.9	1933.9	2476.0
27.5°	0.0	61.3	133.8	248.7	427.9	665.6	933.4	1230.1	1567.2	2030.8	2585.5
25°	0.0	62.7	137.3	254.0	440.0	679.3	954.2	1262.4	1617.7	2119.5	2732.2
22.5°	0.0	64.1	140.5	258.3	450.6	692.1	972.3	1297.1	1672.8	2163.1	2767.4
20°	0.0	65.3	143.2	261.7	459.4	705.9	989.3	1330.6	1713.8	2187.9	2765.1
17.5°	0.0	66.3	145.5	265.2	466.6	717.3	1013.3	1358.4	1744.1	2199.6	2736.9
15°	0.0	67.3	147.4	268.0	472.2	727.6	1037.2	1383.2	1763.7	2201.8	2718.6
12.5°	0.0	68.0	148.9	269.8	475.7	737.3	1057.1	1405.7	1780.6	2189.2	2708.9
10°	0.0	68.7	150.0	270.7	477.3	745.2	1072.9	1422.7	1795.2	2188.1	2668.2
7.5°	0.0	69.2	150.7	270.6	477.0	750.8	1083.9	1434.5	1802.6	2181.1	2638.4
5°	0.0	69.5	151.1	269.5	474.8	753.4	1090.7	1441.2	1807.5	2171.4	2594.4
2.5°	0.0	69.7	151.1	267.7	470.9	752.9	1093.5	1442.8	1807.8	2162.8	2575.4
0°	0.0	69.8	150.7	265.0	465.2	749.4	1092.2	1439.6	1802.1	2147.0	2546.5
-2.5°	0.0	69.9	150.5	264.6	460.7	735.5	1064.3	1403.9	1771.2	2130.0	2521.2
-5°	0.0	69.8	150.0	263.5	454.6	718.8	1032.4	1363.7	1734.0	2105.9	2488.9
-7.5°	0.0	69.7	149.1	261.6	447.1	699.7	996.9	1318.9	1686.7	2065.5	2447.7
-10°	0.0	69.3	147.9	259.0	438.3	678.4	959.7	1271.3	1623.6	2010.0	2399.4
-12.5°	0.0	68.9	146.3	255.6	428.2	657.0	924.2	1220.6	1555.0	1947.0	2344.1
-15°	0.0	68.3	144.5	251.5	417.8	635.7	886.3	1167.1	1492.6	1888.2	2282.5
-17.5°	0.0	67.6	142.3	246.6	407.9	614.2	846.2	1123.2	1440.5	1821.4	2215.2
-20°	0.0	66.7	139.7	241.1	396.8	592.7	809.7	1085.6	1384.8	1758.6	2148.5



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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	65.7	136.9	234.8	384.4	570.3	784.1	1044.7	1335.4	1698.3	2079.4
-25°	0.0	64.6	133.7	227.9	370.7	552.3	758.8	1004.0	1290.9	1633.1	2013.6
-27.5°	0.0	63.4	130.2	220.2	355.9	534.9	732.2	974.4	1250.4	1574.8	1939.4
-30°	0.0	62.1	126.4	211.9	340.2	516.1	705.8	942.1	1207.7	1517.7	1862.7
-32.5°	0.0	60.7	122.3	202.9	327.0	495.8	682.2	907.1	1160.7	1453.0	1777.2
-35°	0.0	59.1	117.9	193.4	312.8	474.2	655.2	868.1	1108.7	1375.8	1680.6
-37.5°	0.0	57.5	113.5	184.1	299.1	452.3	626.4	826.5	1055.0	1301.1	1583.2
-40°	0.0	55.7	110.0	176.6	287.6	430.9	597.0	785.1	996.7	1227.3	1484.4
-42.5°	0.0	53.7	106.4	169.3	274.8	407.5	564.2	740.4	935.1	1148.1	1378.8
-45°	0.0	51.7	102.7	162.7	260.8	382.2	528.9	692.2	870.4	1068.7	1283.0
-47.5°	0.0	49.5	99.1	155.6	245.5	355.1	491.8	643.3	809.7	988.2	1186.6
-50°	0.0	47.2	95.4	148.0	228.3	326.2	457.3	596.4	745.1	902.1	1086.8
-52.5°	0.0	44.9	91.7	140.0	209.9	303.3	421.9	547.9	679.7	823.5	984.3
-55°	0.0	42.4	87.9	131.6	196.7	281.0	385.2	498.1	622.0	748.2	879.2
-57.5°	0.0	39.8	84.2	122.7	184.6	258.4	345.6	449.3	562.5	672.2	795.0
-60°	0.0	37.1	80.4	116.5	172.3	235.3	316.8	399.0	502.3	601.3	710.3
-62.5°	0.0	34.3	76.6	110.1	159.8	216.7	288.1	348.7	444.1	529.5	630.0
-65°	0.0	31.5	72.8	103.1	147.0	201.5	259.4	319.5	385.2	466.7	552.1
-67.5°	0.0	28.5	67.7	95.7	134.3	185.4	234.3	290.4	341.7	408.8	489.8
-70°	0.0	25.5	60.9	87.8	121.2	168.5	212.1	261.6	308.0	363.0	431.2
-72.5°	0.0	22.5	53.8	79.6	107.5	149.6	189.3	233.5	273.5	324.0	382.5
-75°	0.0	19.4	46.5	70.5	93.1	128.6	165.5	204.2	236.6	283.4	340.5
-77.5°	0.0	16.2	39.0	58.9	78.3	106.9	139.8	172.6	199.1	243.5	294.8
-80°	0.0	13.0	31.4	47.3	62.9	84.5	113.9	138.2	159.1	201.6	245.8
-82.5°	0.0	9.8	23.7	35.5	47.3	63.2	87.5	102.9	118.1	153.3	183.4
-85°	0.0	6.5	15.8	23.7	31.6	42.3	58.6	68.3	77.7	103.8	116.3
-87.5°	0.0	3.3	7.9	11.9	15.8	21.2	29.4	34.2	38.9	52.2	57.7
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**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°	31.5	34.1	36.7	45.6	55.3	58.5	61.5	64.3	67.1	69.7	72.2
85°	67.0	74.7	82.3	96.2	113.2	121.7	128.4	134.8	154.0	165.1	176.0
82.5°	113.5	125.1	136.9	158.3	186.2	205.3	223.8	241.2	268.4	297.3	349.4
80°	174.2	199.0	223.1	251.4	284.6	316.5	355.3	398.2	440.7	536.9	652.9
77.5°	247.7	281.3	317.1	361.5	413.3	454.9	573.9	670.8	774.7	1030.5	1507.9
75°	332.4	375.3	418.2	523.8	686.5	859.5	1017.6	1274.7	1538.0	2004.3	2699.6
72.5°	421.2	499.1	593.8	751.8	1092.4	1578.5	2062.2	2532.5	3266.0	4266.7	5311.9
70°	552.7	647.5	788.4	1068.8	1597.5	2463.2	3491.9	4588.9	5927.5	7526.0	9339.2
67.5°	682.3	814.0	994.5	1392.6	2184.4	3443.8	5089.9	6784.8	10011.5	14588.9	18365.0
65°	812.1	976.1	1211.9	1709.5	2951.9	4732.3	7464.3	11920.8	18555.8	28253.5	37348.6
62.5°	939.6	1143.2	1477.4	2285.5	3918.2	6707.6	11229.6	20200.5	31521.3	42644.4	50908.9
60°	1071.9	1328.7	1809.0	2938.3	5185.1	10479.4	18574.6	30160.7	42345.3	52673.0	59894.2
57.5°	1206.7	1523.7	2196.7	3536.4	8202.3	16050.7	28382.5	40713.6	52038.1	61482.7	68842.1
55°	1353.6	1748.6	2531.6	5208.9	12584.8	25100.3	37794.5	50229.0	60351.0	70174.2	77326.7
52.5°	1503.1	1974.3	3282.1	7939.8	19303.3	32491.5	44934.0	54856.6	64693.2	73472.8	80891.8
50°	1678.2	2321.0	4236.1	12170.4	24954.7	37589.8	47248.2	55953.6	64616.7	72798.4	79942.3
47.5°	1854.0	2601.7	6272.5	15942.3	28903.9	38761.5	46631.4	54514.2	62010.9	69202.9	75829.2
45°	2061.1	3289.0	8152.4	19338.3	29410.5	37338.2	44308.9	50748.2	57080.4	64046.4	68928.7
42.5°	2249.7	3865.6	10652.8	20607.0	29437.3	36058.5	42414.5	48630.1	55047.8	61390.0	65767.1
40°	2576.3	4988.1	12422.6	22189.1	29851.0	35801.8	41854.1	47974.8	54640.1	60585.1	64339.4
37.5°	2777.4	6267.0	14235.6	23039.1	29973.2	35757.7	41787.8	47986.8	55103.9	60369.9	63735.8
35°	3138.8	7175.4	15545.4	23938.9	29945.1	35611.3	41596.5	48312.5	55167.5	60101.7	63085.5
32.5°	3675.5	8385.2	16622.0	24061.2	29776.1	35602.6	41802.4	48633.0	55244.0	59853.2	62173.5
30°	3915.4	9373.7	17806.4	24906.5	30697.0	36438.0	43027.2	49994.1	55416.0	59252.9	62705.0
27.5°	4251.6	10244.8	18897.9	26240.5	31960.5	37924.5	44468.5	49264.9	53534.8	57233.5	60815.6
25°	4764.9	10947.9	19460.8	25986.1	31474.9	37223.7	42923.5	48469.4	50909.3	54686.6	58337.9
22.5°	4872.4	10946.7	18630.1	24465.4	29145.6	33942.4	39519.3	45118.0	49009.7	51584.9	54152.6
20°	4517.1	10268.4	16961.6	22090.2	26407.8	30962.1	35925.6	41350.2	44970.2	47318.5	49180.0
17.5°	4371.4	9104.4	14981.7	19690.6	23944.8	28175.9	32913.5	37762.2	40915.5	42939.9	45044.8
15°	4153.8	8079.5	13021.5	17292.1	21522.6	25647.3	30332.5	34653.8	37600.2	39486.6	41498.9
12.5°	3959.5	6892.9	11086.6	15115.4	19191.4	23341.0	27928.2	31971.3	34793.9	36594.7	38590.4
10°	3620.4	5930.7	9443.0	13077.3	16977.1	20966.8	25399.1	29270.8	31827.3	33598.1	35541.7
7.5°	3424.2	5070.6	7852.9	11165.2	14780.6	18398.2	22456.5	25966.5	28313.2	30024.2	31840.2
5°	3209.4	4412.6	6652.3	9439.2	12541.0	15631.8	18996.2	22021.3	24070.5	25576.7	27106.5
2.5°	3121.0	3993.8	5652.0	7835.0	10325.9	12772.6	15317.8	17711.8	19344.9	20507.5	21681.9
0°	3027.8	3652.7	4805.7	6405.5	8254.1	10064.3	11856.3	13613.9	14737.4	15454.4	16133.0
-2.5°	2974.8	3516.0	4370.6	5547.1	6902.5	8176.7	9354.7	10536.7	11298.8	11671.0	11949.6
-5°	2912.8	3384.3	4019.8	4896.8	5919.2	6869.0	7636.1	8389.1	8890.4	9099.2	9150.1
-7.5°	2854.4	3286.0	3797.7	4445.9	5223.4	5960.1	6497.6	6967.6	7282.7	7441.7	7469.0
-10°	2786.3	3194.5	3666.5	4167.2	4737.3	5316.4	5740.2	6077.4	6286.6	6460.5	6558.2
-12.5°	2708.9	3106.6	3557.9	3960.2	4421.8	4863.0	5255.9	5578.4	5795.6	5984.5	6122.0
-15°	2626.7	3034.3	3468.1	3828.1	4231.4	4610.9	4983.0	5332.1	5599.6	5786.8	5876.3
-17.5°	2556.6	2955.5	3391.2	3772.6	4125.8	4496.0	4853.9	5268.6	5568.9	5778.5	5848.6
-20°	2490.3	2900.4	3321.6	3715.6	4059.1	4414.0	4787.4	5223.6	5577.8	5830.6	5912.6



REPORT NUMBER: P902084 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MB-LT

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	2438.7	2838.8	3255.4	3640.6	3985.5	4327.2	4733.0	5162.2	5588.9	5845.9	5948.5
-25°	2374.9	2750.5	3173.5	3565.8	3908.3	4252.3	4665.1	5087.9	5547.4	5797.1	5913.8
-27.5°	2297.8	2645.8	3083.7	3494.5	3840.4	4186.4	4569.4	4951.3	5361.5	5661.1	5791.2
-30°	2213.2	2545.3	2980.7	3416.4	3790.8	4128.6	4470.5	4814.0	5206.3	5555.1	5715.6
-32.5°	2119.8	2448.2	2878.4	3363.5	3780.4	4131.2	4456.9	4762.1	5097.9	5470.0	5672.0
-35°	2015.6	2347.3	2758.6	3340.4	3840.6	4204.0	4535.1	4838.9	5208.7	5539.4	5693.8
-37.5°	1900.2	2227.0	2623.7	3192.9	3808.6	4267.6	4646.2	5004.1	5421.8	5760.6	5944.2
-40°	1785.0	2096.3	2437.0	2968.1	3680.4	4211.3	4646.1	5049.1	5481.9	5916.3	6161.7
-42.5°	1667.5	1954.3	2257.1	2705.5	3334.3	3996.4	4498.3	4921.3	5353.4	5769.1	6121.1
-45°	1538.6	1807.0	2078.6	2401.2	2924.3	3533.4	4108.3	4594.7	5038.5	5418.3	5805.8
-47.5°	1396.0	1651.7	1901.7	2182.8	2544.3	3024.8	3603.0	4113.6	4541.1	4944.4	5297.6
-50°	1275.9	1494.6	1731.5	1973.8	2276.6	2635.6	3089.4	3598.0	4066.3	4496.0	4856.3
-52.5°	1157.2	1342.7	1558.9	1791.9	2048.5	2340.3	2671.3	3116.1	3581.6	4019.5	4406.0
-55°	1040.6	1204.4	1380.4	1602.7	1846.2	2090.5	2363.5	2662.8	3080.1	3483.3	3895.4
-57.5°	927.2	1072.8	1232.9	1417.7	1645.5	1886.9	2115.1	2362.4	2662.4	3012.2	3386.0
-60°	828.3	953.7	1088.4	1250.1	1444.0	1664.3	1902.9	2126.4	2356.7	2639.2	2950.7
-62.5°	735.9	844.3	962.5	1095.8	1256.9	1444.5	1636.2	1847.3	2057.4	2275.3	2524.6
-65°	651.8	741.8	850.5	957.7	1099.6	1236.5	1390.0	1557.0	1724.7	1921.5	2121.2
-67.5°	572.7	659.6	749.1	855.1	960.7	1076.3	1190.2	1321.5	1471.0	1629.2	1800.9
-70°	505.6	581.1	664.2	755.8	840.5	939.3	1030.1	1134.8	1261.6	1388.1	1527.4
-72.5°	441.3	514.8	584.7	661.9	737.8	814.4	893.5	980.4	1075.4	1168.9	1264.5
-75°	391.1	448.0	506.3	567.0	634.9	699.0	766.3	837.0	910.8	985.1	1061.6
-77.5°	336.3	378.7	434.5	480.8	537.3	593.2	650.0	710.7	772.1	833.7	894.4
-80°	278.2	307.9	357.7	396.4	447.2	501.5	548.8	600.0	651.7	699.0	759.2
-82.5°	209.9	232.4	273.8	297.3	333.5	375.6	418.0	461.7	509.3	556.4	595.7
-85°	130.5	144.4	168.9	196.7	221.2	248.9	270.0	284.7	309.7	329.9	359.8
-87.5°	63.0	68.2	77.0	97.7	110.7	131.4	138.3	144.8	150.9	156.8	180.3
-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: P902084 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MB-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°	75.3	79.0	82.8	86.6	89.7	92.2	99.6	102.3	105.5	113.3	119.5
85°	187.2	210.7	238.2	267.6	285.6	289.7	316.4	324.0	353.0	422.6	498.3
82.5°	398.7	485.6	636.4	781.8	856.5	861.1	844.6	852.7	980.5	1226.2	1438.1
80°	850.5	1205.6	1601.3	1874.0	1987.5	2000.2	2039.6	2251.1	2556.1	2847.0	2980.2
77.5°	2127.1	2633.3	3066.6	3440.5	3699.5	3909.1	4253.0	4749.3	5122.5	5272.3	5265.3
75°	3518.3	4237.6	4977.2	5791.5	6422.9	6865.5	7377.8	7803.5	7966.2	7990.4	7938.5
72.5°	6357.7	7567.7	8959.9	10524.3	11714.1	12565.9	12983.0	12576.8	11709.7	10861.7	10227.8
70°	11825.4	14327.7	16902.4	19948.5	22415.0	23757.5	23015.4	21162.5	18882.4	16741.4	14907.3
67.5°	22272.8	26098.2	29819.4	35134.0	41002.5	43707.3	42935.0	39543.8	34867.4	30053.3	26912.6
65°	41263.3	43657.6	48229.3	54442.3	62326.4	69862.8	74745.5	75468.7	72232.3	69644.2	67076.6
62.5°	56181.0	60776.0	67229.0	74167.5	82714.9	94342.4	107048.0	118108.2	124849.8	129529.3	132089.2
60°	65713.2	71939.2	78512.2	85446.0	93284.1	104581.0	119055.6	130934.9	141732.7	150449.6	156094.1
57.5°	74875.2	80276.8	84061.7	88784.6	95280.3	102641.5	111190.6	121314.4	131876.7	141167.3	147975.2
55°	84541.2	87805.9	91557.1	94435.7	98641.5	103457.9	108308.7	114118.8	120169.9	125387.2	129668.6
52.5°	86899.8	89973.8	92907.3	96149.6	99123.9	102348.4	104224.3	106512.5	108741.5	110084.2	110491.4
50°	84880.6	87420.0	89977.1	92531.9	95280.8	96546.8	97898.1	98987.6	99157.7	98883.2	98394.2
47.5°	79355.6	81761.8	84074.9	86539.6	88360.6	89444.8	89964.6	90820.0	90508.2	89060.2	87933.9
45°	72359.6	74437.9	76598.0	78947.9	79753.7	80966.9	81958.0	82174.9	82147.6	80978.7	79832.9
42.5°	68606.6	70863.1	73388.3	75239.0	76334.9	77339.9	78348.7	78849.0	78675.3	78033.1	77516.2
40°	66726.7	68920.5	71311.5	72834.4	73671.1	74839.5	75705.1	76159.1	75837.9	75339.3	75033.1
37.5°	65814.8	68028.6	69998.9	71087.7	71897.9	73016.8	73782.6	74132.1	73652.7	73148.1	72958.9
35°	64878.7	67060.9	68748.6	69510.0	70155.4	71308.7	72010.0	72106.1	71475.4	71059.6	70840.7
32.5°	64318.2	66145.3	67820.8	68326.8	68561.2	69730.8	70316.5	70221.4	69488.2	68957.4	68759.5
30°	65484.2	66378.2	67344.2	68535.8	69176.9	69351.2	69798.7	69481.5	68775.1	68143.7	68062.7
27.5°	63625.0	65202.2	66385.5	67918.4	68301.0	69092.3	69308.7	68887.1	69238.1	67639.8	67595.8
25°	61358.9	63214.8	64317.3	66653.2	67423.7	68049.4	68531.1	68712.2	68249.9	67161.4	67215.1
22.5°	56901.3	59257.4	60928.2	62389.7	64089.5	65729.8	66717.4	66775.7	66438.1	66222.5	65892.5
20°	51992.1	54784.3	56835.0	58573.1	60834.2	62818.3	64290.9	64619.3	64566.0	64567.3	64493.8
17.5°	47958.1	50833.1	53059.7	55122.6	57585.0	59767.2	61487.3	62032.2	62302.8	62620.5	62891.9
15°	44419.2	47170.8	49375.1	51426.6	53863.5	56051.3	57688.5	58419.4	58881.5	59429.4	59733.6
12.5°	41191.9	43641.9	45561.3	47389.7	49640.4	51584.5	53100.2	53797.8	54304.4	54897.3	55322.2
10°	37850.3	39939.5	41444.8	43022.1	44914.8	46645.3	48012.1	48579.1	49016.7	49598.7	50014.9
7.5°	33909.5	35632.8	36943.0	38226.3	39982.3	41532.1	42722.4	43228.0	43587.8	44038.7	44403.3
5°	29000.9	30581.8	31716.5	32876.3	34519.0	35971.5	37125.7	37593.5	37983.9	38395.2	38725.1
2.5°	23235.2	24595.8	25659.5	26699.9	28127.6	29509.2	30743.2	31227.7	31634.9	32004.0	32344.7
0°	17163.5	18154.6	18955.5	19775.6	20917.0	22082.1	23190.7	23643.4	24014.2	24421.1	24865.4
-2.5°	12432.4	12924.5	13305.0	13662.9	14268.7	14928.4	15479.9	15742.4	16018.9	16394.1	16785.4
-5°	9276.7	9464.5	9670.6	9771.6	10020.8	10226.7	10374.6	10392.6	10491.4	10672.4	10816.4
-7.5°	7560.6	7734.0	7883.0	8093.3	8254.1	8372.5	8465.4	8528.2	8588.5	8680.3	8757.6
-10°	6680.9	6848.9	7085.4	7289.6	7485.2	7673.0	7839.9	7923.1	8021.0	8132.9	8165.1
-12.5°	6244.2	6455.6	6693.6	6923.4	7141.4	7333.7	7489.8	7602.1	7693.2	7792.7	7855.4
-15°	5954.9	6168.8	6389.8	6621.7	6837.5	7031.7	7211.4	7403.0	7532.6	7601.8	7724.6
-17.5°	5927.2	6072.3	6251.3	6412.7	6564.4	6697.4	6834.9	6948.5	7007.6	7064.1	7097.3
-20°	5953.7	6047.9	6129.3	6195.7	6257.4	6343.6	6414.0	6507.8	6555.4	6605.1	6646.2



REPORT NUMBER: P902084 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-AV-03-1360S-57-85-A55-MB-LT

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	5947.2	5922.5	5918.9	5953.2	6024.9	6097.6	6151.1	6198.1	6235.2	6288.1	6347.5
-25°	5894.5	5820.0	5801.3	5835.6	5870.2	5910.2	5944.1	5983.0	6016.3	6078.1	6144.4
-27.5°	5819.6	5765.5	5717.1	5728.3	5750.1	5756.9	5770.1	5831.3	5900.1	5962.4	6033.5
-30°	5742.5	5695.7	5677.1	5710.4	5713.1	5713.3	5756.5	5822.4	5900.0	5956.4	6030.2
-32.5°	5648.3	5576.7	5583.1	5632.8	5685.4	5715.8	5787.1	5876.2	5939.0	5991.2	6062.8
-35°	5660.0	5586.3	5587.0	5649.3	5716.0	5799.7	5884.3	6000.5	6088.2	6163.3	6240.8
-37.5°	5980.4	5936.0	5894.8	5943.4	5992.8	6098.3	6191.5	6335.7	6462.5	6539.8	6618.0
-40°	6256.7	6295.4	6347.1	6396.8	6493.9	6561.8	6692.0	6842.1	6985.1	7076.6	7134.2
-42.5°	6292.0	6401.9	6465.7	6601.0	6742.4	6895.6	7115.7	7296.7	7508.9	7666.6	7688.8
-45°	6106.0	6293.3	6488.8	6619.4	6823.0	7044.3	7251.5	7484.0	7704.3	7922.0	8025.1
-47.5°	5642.3	5895.9	6083.0	6333.0	6615.5	6888.4	7211.2	7517.3	7840.2	8261.3	8643.2
-50°	5174.9	5469.9	5746.6	6023.2	6355.8	6719.0	7139.2	7643.8	8447.7	9647.6	10919.3
-52.5°	4739.2	5060.1	5415.9	5741.5	6114.4	6592.8	7523.6	8903.9	10594.9	12024.3	12937.2
-55°	4258.5	4571.9	4911.1	5316.6	5890.8	6936.5	8743.1	10494.0	11561.3	11688.0	11219.2
-57.5°	3740.8	4072.8	4453.3	5042.9	6170.2	8016.0	9691.4	10253.4	9853.3	9078.1	8361.9
-60°	3257.1	3561.2	3929.7	4760.1	6359.9	7989.1	8486.1	7997.7	7536.7	7237.9	7129.7
-62.5°	2775.7	3038.4	3424.2	4324.6	5711.3	6622.1	6387.3	5954.1	5937.1	6034.1	6152.7
-65°	2343.5	2565.8	2827.3	3249.8	4044.1	4686.5	4952.0	5089.7	5217.4	5322.4	5439.3
-67.5°	1999.5	2200.5	2409.6	2617.5	2875.8	3210.4	3567.0	3907.6	4182.1	4421.5	4653.9
-70°	1687.8	1857.9	2053.8	2241.9	2377.3	2518.7	2741.7	3047.8	3352.1	3592.2	3811.6
-72.5°	1390.2	1530.1	1675.0	1814.7	1943.9	2062.0	2176.2	2335.8	2568.9	2860.8	3197.3
-75°	1154.6	1259.8	1363.6	1459.1	1569.1	1677.9	1779.9	1874.3	1993.8	2200.0	2501.2
-77.5°	969.4	1050.5	1128.1	1190.6	1273.8	1364.2	1457.6	1548.4	1651.5	1761.6	1897.8
-80°	824.3	888.7	963.9	1017.8	1073.4	1137.0	1209.2	1272.0	1336.8	1405.3	1508.0
-82.5°	643.8	681.1	733.0	775.0	819.3	870.1	920.3	971.4	1013.1	1052.5	1116.3
-85°	387.8	427.6	463.1	485.7	520.0	551.5	584.1	601.6	628.8	655.2	684.8
-87.5°	186.6	207.6	218.5	225.3	234.0	242.9	253.1	274.2	283.4	292.5	316.0
-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):**

	-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°	124.0	131.3	136.7	151.7	136.7	131.3	124.0	119.5	113.3	105.5	102.3
85°	554.6	611.1	661.6	682.6	661.6	611.1	554.6	498.3	422.6	353.0	324.0
82.5°	1569.2	1688.5	1800.9	1841.6	1800.9	1688.5	1569.2	1438.1	1226.2	980.5	852.7
80°	3012.4	3073.7	3139.2	3167.3	3139.2	3073.7	3012.4	2980.2	2847.0	2556.1	2251.1
77.5°	5091.5	4885.0	4720.1	4663.0	4720.1	4885.0	5091.5	5265.3	5272.3	5122.5	4749.3
75°	7768.0	7503.9	7260.4	7166.0	7260.4	7503.9	7768.0	7938.5	7990.4	7966.2	7803.5
72.5°	9858.4	9633.1	9475.8	9392.8	9475.8	9633.1	9858.4	10227.8	10861.7	11709.7	12576.8
70°	13456.4	12505.6	12153.4	12086.8	12153.4	12505.6	13456.4	14907.3	16741.4	18882.4	21162.5
67.5°	24550.8	22489.4	21102.4	20567.5	21102.4	22489.4	24550.8	26912.6	30053.3	34867.4	39543.8
65°	64296.8	61702.1	59820.0	58967.9	59820.0	61702.1	64296.8	67076.6	69644.2	72232.3	75468.7
62.5°	133236.7	133831.6	133587.0	132955.2	133587.0	133831.6	133236.7	132089.2	129529.3	124849.8	118108.2
60°	159807.9	162605.7	163753.5	163686.1	163753.5	162605.7	159807.9	156094.1	150449.6	141732.7	130934.9
57.5°	151990.5	154528.4	155643.1	155739.4	155643.1	154528.4	151990.5	147975.2	141167.3	131876.7	121314.4
55°	133664.6	136579.7	137975.1	138304.9	137975.1	136579.7	133664.6	129668.6	125387.2	120169.9	114118.8
52.5°	110979.9	111277.1	110994.2	110688.8	110994.2	111277.1	110979.9	110491.4	110084.2	108741.5	106512.5
50°	98082.3	97751.5	97189.9	96799.9	97189.9	97751.5	98082.3	98394.2	98883.2	99157.7	98987.6
47.5°	87295.8	86760.8	86147.8	85848.7	86147.8	86760.8	87295.8	87933.9	89060.2	90508.2	90820.0
45°	79334.4	78890.5	78458.0	78214.6	78458.0	78890.5	79334.4	79832.9	80978.7	82147.6	82174.9
42.5°	77044.4	76587.8	76183.4	75985.2	76183.4	76587.8	77044.4	77516.2	78033.1	78675.3	78849.0
40°	74645.1	74218.0	73944.9	73831.7	73944.9	74218.0	74645.1	75033.1	75339.3	75837.9	76159.1
37.5°	72683.0	72345.3	72100.3	71994.2	72100.3	72345.3	72683.0	72958.9	73148.1	73652.7	74132.1
35°	70620.4	70393.8	70280.7	70235.6	70280.7	70393.8	70620.4	70840.7	71059.6	71475.4	72106.1
32.5°	68706.6	68487.1	68346.2	68231.2	68346.2	68487.1	68706.6	68759.5	68957.4	69488.2	70221.4
30°	67552.1	67280.8	67153.4	67060.1	67153.4	67280.8	67552.1	68062.7	68143.7	68775.1	69481.5
27.5°	66747.7	66444.4	66328.4	66241.0	66328.4	66444.4	66747.7	67595.8	67639.8	69238.1	68887.1
25°	65972.1	65611.3	65459.1	65370.7	65459.1	65611.3	65972.1	67215.1	67161.4	68249.9	68712.2
22.5°	65432.9	64645.9	64327.0	64234.7	64327.0	64645.9	65432.9	65892.5	66222.5	66438.1	66775.7
20°	64081.9	63659.5	63331.0	63255.7	63331.0	63659.5	64081.9	64493.8	64567.3	64566.0	64619.3
17.5°	62535.5	62191.0	61849.8	61649.4	61849.8	62191.0	62535.5	62891.9	62620.5	62302.8	62032.2
15°	59580.5	59355.1	59022.4	58778.5	59022.4	59355.1	59580.5	59733.6	59429.4	58881.5	58419.4
12.5°	55324.2	55100.3	54810.1	54645.0	54810.1	55100.3	55324.2	55322.2	54897.3	54304.4	53797.8
10°	50063.5	49862.3	49654.7	49530.6	49654.7	49862.3	50063.5	50014.9	49598.7	49016.7	48579.1
7.5°	44515.4	44410.8	44233.2	44173.9	44233.2	44410.8	44515.4	44403.3	44038.7	43587.8	43228.0
5°	38885.3	38872.4	38751.2	38690.3	38751.2	38872.4	38885.3	38725.1	38395.2	37983.9	37593.5
2.5°	32589.3	32691.2	32606.2	32490.1	32606.2	32691.2	32589.3	32344.7	32004.0	31634.9	31227.7
0°	25190.2	25345.3	25368.7	25356.9	25368.7	25345.3	25190.2	24865.4	24421.1	24014.2	23643.4
-2.5°	17096.7	17216.0	17199.5	17357.2	17199.5	17216.0	17096.7	16785.4	16394.1	16018.9	15742.4
-5°	10972.3	11174.9	11254.7	11447.6	11254.7	11174.9	10972.3	10816.4	10672.4	10491.4	10392.6
-7.5°	8760.5	8854.8	8761.9	8859.8	8761.9	8854.8	8760.5	8757.6	8680.3	8588.5	8528.2
-10°	8261.5	8258.4	8297.7	8227.8	8297.7	8258.4	8261.5	8165.1	8132.9	8021.0	7923.1
-12.5°	7941.3	7947.2	7920.9	7937.4	7920.9	7947.2	7941.3	7855.4	7792.7	7693.2	7602.1
-15°	7695.8	7682.7	7660.3	7670.8	7660.3	7682.7	7695.8	7724.6	7601.8	7532.6	7403.0
-17.5°	7139.5	7138.7	7135.0	7138.2	7135.0	7138.7	7139.5	7097.3	7064.1	7007.6	6948.5
-20°	6661.7	6650.0	6638.9	6644.1	6638.9	6650.0	6661.7	6646.2	6605.1	6555.4	6507.8



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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	6377.9	6359.8	6362.4	6356.2	6362.4	6359.8	6377.9	6347.5	6288.1	6235.2	6198.1
-25°	6190.9	6198.7	6206.3	6211.8	6206.3	6198.7	6190.9	6144.4	6078.1	6016.3	5983.0
-27.5°	6079.6	6113.2	6151.4	6170.8	6151.4	6113.2	6079.6	6033.5	5962.4	5900.1	5831.3
-30°	6090.3	6121.0	6180.8	6211.3	6180.8	6121.0	6090.3	6030.2	5956.4	5900.0	5822.4
-32.5°	6125.3	6184.8	6266.7	6310.4	6266.7	6184.8	6125.3	6062.8	5991.2	5939.0	5876.2
-35°	6318.7	6376.0	6452.0	6518.7	6452.0	6376.0	6318.7	6240.8	6163.3	6088.2	6000.5
-37.5°	6674.6	6747.4	6798.8	6845.4	6798.8	6747.4	6674.6	6618.0	6539.8	6462.5	6335.7
-40°	7148.3	7120.6	7076.7	7081.0	7076.7	7120.6	7148.3	7134.2	7076.6	6985.1	6842.1
-42.5°	7684.8	7649.4	7594.1	7568.4	7594.1	7649.4	7684.8	7688.8	7666.6	7508.9	7296.7
-45°	8068.6	8094.3	8084.2	8092.2	8084.2	8094.3	8068.6	8025.1	7922.0	7704.3	7484.0
-47.5°	8949.0	9501.2	9914.1	10102.7	9914.1	9501.2	8949.0	8643.2	8261.3	7840.2	7517.3
-50°	12214.2	13241.9	13958.0	14246.9	13958.0	13241.9	12214.2	10919.3	9647.6	8447.7	7643.8
-52.5°	13312.2	13339.3	13240.1	13196.2	13240.1	13339.3	13312.2	12937.2	12024.3	10594.9	8903.9
-55°	10751.0	10332.5	10093.8	10038.0	10093.8	10332.5	10751.0	11219.2	11688.0	11561.3	10494.0
-57.5°	8132.5	8088.6	8067.6	8069.0	8067.6	8088.6	8132.5	8361.9	9078.1	9853.3	10253.4
-60°	7182.6	7263.3	7306.3	7309.5	7306.3	7263.3	7182.6	7129.7	7237.9	7536.7	7997.7
-62.5°	6290.2	6419.9	6518.6	6565.3	6518.6	6419.9	6290.2	6152.7	6034.1	5937.1	5954.1
-65°	5562.4	5668.7	5749.5	5782.5	5749.5	5668.7	5562.4	5439.3	5322.4	5217.4	5089.7
-67.5°	4876.0	5085.3	5287.2	5394.1	5287.2	5085.3	4876.0	4653.9	4421.5	4182.1	3907.6
-70°	4043.0	4319.2	4568.4	4678.2	4568.4	4319.2	4043.0	3811.6	3592.2	3352.1	3047.8
-72.5°	3576.5	3954.5	4310.6	4522.4	4310.6	3954.5	3576.5	3197.3	2860.8	2568.9	2335.8
-75°	2882.9	3220.1	3540.6	3820.6	3540.6	3220.1	2882.9	2501.2	2200.0	1993.8	1874.3
-77.5°	2223.2	2596.1	2867.1	3027.8	2867.1	2596.1	2223.2	1897.8	1761.6	1651.5	1548.4
-80°	1749.9	2044.1	2203.3	2226.8	2203.3	2044.1	1749.9	1508.0	1405.3	1336.8	1272.0
-82.5°	1213.5	1358.9	1438.8	1450.2	1438.8	1358.9	1213.5	1116.3	1052.5	1013.1	971.4
-85°	707.4	759.1	791.8	796.9	791.8	759.1	707.4	684.8	655.2	628.8	601.6
-87.5°	325.3	353.6	367.0	368.1	367.0	353.6	325.3	316.0	292.5	283.4	274.2
-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):**

	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°	99.6	92.2	89.7	86.6	82.8	79.0	75.3	72.2	69.7	67.1	64.3
85°	316.4	289.7	285.6	267.6	238.2	210.7	187.2	176.0	165.1	154.0	134.8
82.5°	844.6	861.1	856.5	781.8	636.4	485.6	398.7	349.4	297.3	268.4	241.2
80°	2039.6	2000.2	1987.5	1874.0	1601.3	1205.6	850.5	652.9	536.9	440.7	398.2
77.5°	4253.0	3909.1	3699.5	3440.5	3066.6	2633.3	2127.1	1507.9	1030.5	774.7	670.8
75°	7377.8	6865.5	6422.9	5791.5	4977.2	4237.6	3518.3	2699.6	2004.3	1538.0	1274.7
72.5°	12983.0	12565.9	11714.1	10524.3	8959.9	7567.7	6357.7	5311.9	4266.7	3266.0	2532.5
70°	23015.4	23757.5	22415.0	19948.5	16902.4	14327.7	11825.4	9339.2	7526.0	5927.5	4588.9
67.5°	42935.0	43707.3	41002.5	35134.0	29819.4	26098.2	22272.8	18365.0	14588.9	10011.5	6784.8
65°	74745.5	69862.8	62326.4	54442.3	48229.3	43657.6	41263.3	37348.6	28253.5	18555.8	11920.8
62.5°	107048.0	94342.4	82714.9	74167.5	67229.0	60776.0	56181.0	50908.9	42644.4	31521.3	20200.5
60°	119055.6	104581.0	93284.1	85446.0	78512.2	71939.2	65713.2	59894.2	52673.0	42345.3	30160.7
57.5°	111190.6	102641.5	95280.3	88784.6	84061.7	80276.8	74875.2	68842.1	61482.7	52038.1	40713.6
55°	108308.7	103457.9	98641.5	94435.7	91557.1	87805.9	84541.2	77326.7	70174.2	60351.0	50229.0
52.5°	104224.3	102348.4	99123.9	96149.6	92907.3	89973.8	86899.8	80891.8	73472.8	64693.2	54856.6
50°	97898.1	96546.8	95280.8	92531.9	89977.1	87420.0	84880.6	79942.3	72798.4	64616.7	55953.6
47.5°	89964.6	89444.8	88360.6	86539.6	84074.9	81761.8	79355.6	75829.2	69202.9	62010.9	54514.2
45°	81958.0	80966.9	79753.7	78947.9	76598.0	74437.9	72359.6	68928.7	64046.4	57080.4	50748.2
42.5°	78348.7	77339.9	76334.9	75239.0	73388.3	70863.1	68606.6	65767.1	61390.0	55047.8	48630.1
40°	75705.1	74839.5	73671.1	72834.4	71311.5	68920.5	66726.7	64339.4	60585.1	54640.1	47974.8
37.5°	73782.6	73016.8	71897.9	71087.7	69998.9	68028.6	65814.8	63735.8	60369.9	55103.9	47986.8
35°	72010.0	71308.7	70155.4	69510.0	68748.6	67060.9	64878.7	63085.5	60101.7	55167.5	48312.5
32.5°	70316.5	69730.8	68561.2	68326.8	67820.8	66145.3	64318.2	62173.5	59853.2	55244.0	48633.0
30°	69798.7	69351.2	69176.9	68535.8	67344.2	66378.2	65484.2	62705.0	59252.9	55416.0	49994.1
27.5°	69308.7	69092.3	68301.0	67918.4	66385.5	65202.2	63625.0	60815.6	57233.5	53534.8	49264.9
25°	68531.1	68049.4	67423.7	66653.2	64317.3	63214.8	61358.9	58337.9	54686.6	50909.3	48469.4
22.5°	66717.4	65729.8	64089.5	62389.7	60928.2	59257.4	56901.3	54152.6	51584.9	49009.7	45118.0
20°	64290.9	62818.3	60834.2	58573.1	56835.0	54784.3	51992.1	49180.0	47318.5	44970.2	41350.2
17.5°	61487.3	59767.2	57585.0	55122.6	53059.7	50833.1	47958.1	45044.8	42939.9	40915.5	37762.2
15°	57688.5	56051.3	53863.5	51426.6	49375.1	47170.8	44419.2	41498.9	39486.6	37600.2	34653.8
12.5°	53100.2	51584.5	49640.4	47389.7	45561.3	43641.9	41191.9	38590.4	36594.7	34793.9	31971.3
10°	48012.1	46645.3	44914.8	43022.1	41444.8	39939.5	37850.3	35541.7	33598.1	31827.3	29270.8
7.5°	42722.4	41532.1	39982.3	38226.3	36943.0	35632.8	33909.5	31840.2	30024.2	28313.2	25966.5
5°	37125.7	35971.5	34519.0	32876.3	31716.5	30581.8	29000.9	27106.5	25576.7	24070.5	22021.3
2.5°	30743.2	29509.2	28127.6	26699.9	25659.5	24595.8	23235.2	21681.9	20507.5	19344.9	17711.8
0°	23190.7	22082.1	20917.0	19775.6	18955.5	18154.6	17163.5	16133.0	15454.4	14737.4	13613.9
-2.5°	15479.9	14928.4	14268.7	13662.9	13305.0	12924.5	12432.4	11949.6	11671.0	11298.8	10536.7
-5°	10374.6	10226.7	10020.8	9771.6	9670.6	9464.5	9276.7	9150.1	9099.2	8890.4	8389.1
-7.5°	8465.4	8372.5	8254.1	8093.3	7883.0	7734.0	7560.6	7469.0	7441.7	7282.7	6967.6
-10°	7839.9	7673.0	7485.2	7289.6	7085.4	6848.9	6680.9	6558.2	6460.5	6286.6	6077.4
-12.5°	7489.8	7333.7	7141.4	6923.4	6693.6	6455.6	6244.2	6122.0	5984.5	5795.6	5578.4
-15°	7211.4	7031.7	6837.5	6621.7	6389.8	6168.8	5954.9	5876.3	5786.8	5599.6	5332.1
-17.5°	6834.9	6697.4	6564.4	6412.7	6251.3	6072.3	5927.2	5848.6	5778.5	5568.9	5268.6
-20°	6414.0	6343.6	6257.4	6195.7	6129.3	6047.9	5953.7	5912.6	5830.6	5577.8	5223.6



REPORT NUMBER: P902084 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
-22.5°	6151.1	6097.6	6024.9	5953.2	5918.9	5922.5	5947.2	5948.5	5845.9	5588.9	5162.2
-25°	5944.1	5910.2	5870.2	5835.6	5801.3	5820.0	5894.5	5913.8	5797.1	5547.4	5087.9
-27.5°	5770.1	5756.9	5750.1	5728.3	5717.1	5765.5	5819.6	5791.2	5661.1	5361.5	4951.3
-30°	5756.5	5713.3	5713.1	5710.4	5677.1	5695.7	5742.5	5715.6	5555.1	5206.3	4814.0
-32.5°	5787.1	5715.8	5685.4	5632.8	5583.1	5576.7	5648.3	5672.0	5470.0	5097.9	4762.1
-35°	5884.3	5799.7	5716.0	5649.3	5587.0	5586.3	5660.0	5693.8	5539.4	5208.7	4838.9
-37.5°	6191.5	6098.3	5992.8	5943.4	5894.8	5936.0	5980.4	5944.2	5760.6	5421.8	5004.1
-40°	6692.0	6561.8	6493.9	6396.8	6347.1	6295.4	6256.7	6161.7	5916.3	5481.9	5049.1
-42.5°	7115.7	6895.6	6742.4	6601.0	6465.7	6401.9	6292.0	6121.1	5769.1	5353.4	4921.3
-45°	7251.5	7044.3	6823.0	6619.4	6488.8	6293.3	6106.0	5805.8	5418.3	5038.5	4594.7
-47.5°	7211.2	6888.4	6615.5	6333.0	6083.0	5895.9	5642.3	5297.6	4944.4	4541.1	4113.6
-50°	7139.2	6719.0	6355.8	6023.2	5746.6	5469.9	5174.9	4856.3	4496.0	4066.3	3598.0
-52.5°	7523.6	6592.8	6114.4	5741.5	5415.9	5060.1	4739.2	4406.0	4019.5	3581.6	3116.1
-55°	8743.1	6936.5	5890.8	5316.6	4911.1	4571.9	4258.5	3895.4	3483.3	3080.1	2662.8
-57.5°	9691.4	8016.0	6170.2	5042.9	4453.3	4072.8	3740.8	3386.0	3012.2	2662.4	2362.4
-60°	8486.1	7989.1	6359.9	4760.1	3929.7	3561.2	3257.1	2950.7	2639.2	2356.7	2126.4
-62.5°	6387.3	6622.1	5711.3	4324.6	3424.2	3038.4	2775.7	2524.6	2275.3	2057.4	1847.3
-65°	4952.0	4686.5	4044.1	3249.8	2827.3	2565.8	2343.5	2121.2	1921.5	1724.7	1557.0
-67.5°	3567.0	3210.4	2875.8	2617.5	2409.6	2200.5	1999.5	1800.9	1629.2	1471.0	1321.5
-70°	2741.7	2518.7	2377.3	2241.9	2053.8	1857.9	1687.8	1527.4	1388.1	1261.6	1134.8
-72.5°	2176.2	2062.0	1943.9	1814.7	1675.0	1530.1	1390.2	1264.5	1168.9	1075.4	980.4
-75°	1779.9	1677.9	1569.1	1459.1	1363.6	1259.8	1154.6	1061.6	985.1	910.8	837.0
-77.5°	1457.6	1364.2	1273.8	1190.6	1128.1	1050.5	969.4	894.4	833.7	772.1	710.7
-80°	1209.2	1137.0	1073.4	1017.8	963.9	888.7	824.3	759.2	699.0	651.7	600.0
-82.5°	920.3	870.1	819.3	775.0	733.0	681.1	643.8	595.7	556.4	509.3	461.7
-85°	584.1	551.5	520.0	485.7	463.1	427.6	387.8	359.8	329.9	309.7	284.7
-87.5°	253.1	242.9	234.0	225.3	218.5	207.6	186.6	180.3	156.8	150.9	144.8
-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):**

	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°	61.5	58.5	55.3	45.6	36.7	34.1	31.5	28.8	26.1	23.3	20.5
85°	128.4	121.7	113.2	96.2	82.3	74.7	67.0	59.1	52.2	46.6	41.0
82.5°	223.8	205.3	186.2	158.3	136.9	125.1	113.5	101.6	89.5	77.2	64.7
80°	355.3	316.5	284.6	251.4	223.1	199.0	174.2	149.0	127.8	111.4	94.8
77.5°	573.9	454.9	413.3	361.5	317.1	281.3	247.7	217.0	187.8	153.0	124.6
75°	1017.6	859.5	686.5	523.8	418.2	375.3	332.4	290.5	253.0	212.7	169.6
72.5°	2062.2	1578.5	1092.4	751.8	593.8	499.1	421.2	378.3	329.3	272.2	222.8
70°	3491.9	2463.2	1597.5	1068.8	788.4	647.5	552.7	474.5	410.7	345.6	275.2
67.5°	5089.9	3443.8	2184.4	1392.6	994.5	814.0	682.3	584.8	497.3	421.1	338.8
65°	7464.3	4732.3	2951.9	1709.5	1211.9	976.1	812.1	692.1	589.5	500.2	402.7
62.5°	11229.6	6707.6	3918.2	2285.5	1477.4	1143.2	939.6	798.2	680.7	583.8	464.7
60°	18574.6	10479.4	5185.1	2938.3	1809.0	1328.7	1071.9	903.9	775.5	666.4	538.5
57.5°	28382.5	16050.7	8202.3	3536.4	2196.7	1523.7	1206.7	1012.6	867.8	744.9	612.0
55°	37794.5	25100.3	12584.8	5208.9	2531.6	1748.6	1353.6	1117.9	964.0	821.7	682.2
52.5°	44934.0	32491.5	19303.3	7939.8	3282.1	1974.3	1503.1	1243.6	1060.7	897.3	744.7
50°	47248.2	37589.8	24954.7	12170.4	4236.1	2321.0	1678.2	1363.2	1159.6	981.2	804.3
47.5°	46631.4	38761.5	28903.9	15942.3	6272.5	2601.7	1854.0	1501.9	1259.7	1061.9	861.6
45°	44308.9	37338.2	29410.5	19338.3	8152.4	3289.0	2061.1	1640.1	1355.4	1136.3	921.8
42.5°	42414.5	36058.5	29437.3	20607.0	10652.8	3865.6	2249.7	1777.2	1456.0	1209.8	978.9
40°	41854.1	35801.8	29851.0	22189.1	12422.6	4988.1	2576.3	1929.9	1550.5	1274.9	1028.8
37.5°	41787.8	35757.7	29973.2	23039.1	14235.6	6267.0	2777.4	2062.3	1630.5	1331.5	1072.2
35°	41596.5	35611.3	29945.1	23938.9	15545.4	7175.4	3138.8	2192.8	1722.6	1390.9	1112.8
32.5°	41802.4	35602.6	29776.1	24061.2	16622.0	8385.2	3675.5	2347.2	1829.5	1454.5	1154.8
30°	43027.2	36438.0	30697.0	24906.5	17806.4	9373.7	3915.4	2476.0	1933.9	1513.9	1194.2
27.5°	44468.5	37924.5	31960.5	26240.5	18897.9	10244.8	4251.6	2585.5	2030.8	1567.2	1230.1
25°	42923.5	37223.7	31474.9	25986.1	19460.8	10947.9	4764.9	2732.2	2119.5	1617.7	1262.4
22.5°	39519.3	33942.4	29145.6	24465.4	18630.1	10946.7	4872.4	2767.4	2163.1	1672.8	1297.1
20°	35925.6	30962.1	26407.8	22090.2	16961.6	10268.4	4517.1	2765.1	2187.9	1713.8	1330.6
17.5°	32913.5	28175.9	23944.8	19690.6	14981.7	9104.4	4371.4	2736.9	2199.6	1744.1	1358.4
15°	30332.5	25647.3	21522.6	17292.1	13021.5	8079.5	4153.8	2718.6	2201.8	1763.7	1383.2
12.5°	27928.2	23341.0	19191.4	15115.4	11086.6	6892.9	3959.5	2708.9	2189.2	1780.6	1405.7
10°	25399.1	20966.8	16977.1	13077.3	9443.0	5930.7	3620.4	2668.2	2188.1	1795.2	1422.7
7.5°	22456.5	18398.2	14780.6	11165.2	7852.9	5070.6	3424.2	2638.4	2181.1	1802.6	1434.5
5°	18996.2	15631.8	12541.0	9439.2	6652.3	4412.6	3209.4	2594.4	2171.4	1807.5	1441.2
2.5°	15317.8	12772.6	10325.9	7835.0	5652.0	3993.8	3121.0	2575.4	2162.8	1807.8	1442.8
0°	11856.3	10064.3	8254.1	6405.5	4805.7	3652.7	3027.8	2546.5	2147.0	1802.1	1439.6
-2.5°	9354.7	8176.7	6902.5	5547.1	4370.6	3516.0	2974.8	2521.2	2130.0	1771.2	1403.9
-5°	7636.1	6869.0	5919.2	4896.8	4019.8	3384.3	2912.8	2488.9	2105.9	1734.0	1363.7
-7.5°	6497.6	5960.1	5223.4	4445.9	3797.7	3286.0	2854.4	2447.7	2065.5	1686.7	1318.9
-10°	5740.2	5316.4	4737.3	4167.2	3666.5	3194.5	2786.3	2399.4	2010.0	1623.6	1271.3
-12.5°	5255.9	4863.0	4421.8	3960.2	3557.9	3106.6	2708.9	2344.1	1947.0	1555.0	1220.6
-15°	4983.0	4610.9	4231.4	3828.1	3468.1	3034.3	2626.7	2282.5	1888.2	1492.6	1167.1
-17.5°	4853.9	4496.0	4125.8	3772.6	3391.2	2955.5	2556.6	2215.2	1821.4	1440.5	1123.2
-20°	4787.4	4414.0	4059.1	3715.6	3321.6	2900.4	2490.3	2148.5	1758.6	1384.8	1085.6



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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°	4733.0	4327.2	3985.5	3640.6	3255.4	2838.8	2438.7	2079.4	1698.3	1335.4	1044.7
-25°	4665.1	4252.3	3908.3	3565.8	3173.5	2750.5	2374.9	2013.6	1633.1	1290.9	1004.0
-27.5°	4569.4	4186.4	3840.4	3494.5	3083.7	2645.8	2297.8	1939.4	1574.8	1250.4	974.4
-30°	4470.5	4128.6	3790.8	3416.4	2980.7	2545.3	2213.2	1862.7	1517.7	1207.7	942.1
-32.5°	4456.9	4131.2	3780.4	3363.5	2878.4	2448.2	2119.8	1777.2	1453.0	1160.7	907.1
-35°	4535.1	4204.0	3840.6	3340.4	2758.6	2347.3	2015.6	1680.6	1375.8	1108.7	868.1
-37.5°	4646.2	4267.6	3808.6	3192.9	2623.7	2227.0	1900.2	1583.2	1301.1	1055.0	826.5
-40°	4646.1	4211.3	3680.4	2968.1	2437.0	2096.3	1785.0	1484.4	1227.3	996.7	785.1
-42.5°	4498.3	3996.4	3334.3	2705.5	2257.1	1954.3	1667.5	1378.8	1148.1	935.1	740.4
-45°	4108.3	3533.4	2924.3	2401.2	2078.6	1807.0	1538.6	1283.0	1068.7	870.4	692.2
-47.5°	3603.0	3024.8	2544.3	2182.8	1901.7	1651.7	1396.0	1186.6	988.2	809.7	643.3
-50°	3089.4	2635.6	2276.6	1973.8	1731.5	1494.6	1275.9	1086.8	902.1	745.1	596.4
-52.5°	2671.3	2340.3	2048.5	1791.9	1558.9	1342.7	1157.2	984.3	823.5	679.7	547.9
-55°	2363.5	2090.5	1846.2	1602.7	1380.4	1204.4	1040.6	879.2	748.2	622.0	498.1
-57.5°	2115.1	1886.9	1645.5	1417.7	1232.9	1072.8	927.2	795.0	672.2	562.5	449.3
-60°	1902.9	1664.3	1444.0	1250.1	1088.4	953.7	828.3	710.3	601.3	502.3	399.0
-62.5°	1636.2	1444.5	1256.9	1095.8	962.5	844.3	735.9	630.0	529.5	444.1	348.7
-65°	1390.0	1236.5	1099.6	957.7	850.5	741.8	651.8	552.1	466.7	385.2	319.5
-67.5°	1190.2	1076.3	960.7	855.1	749.1	659.6	572.7	489.8	408.8	341.7	290.4
-70°	1030.1	939.3	840.5	755.8	664.2	581.1	505.6	431.2	363.0	308.0	261.6
-72.5°	893.5	814.4	737.8	661.9	584.7	514.8	441.3	382.5	324.0	273.5	233.5
-75°	766.3	699.0	634.9	567.0	506.3	448.0	391.1	340.5	283.4	236.6	204.2
-77.5°	650.0	593.2	537.3	480.8	434.5	378.7	336.3	294.8	243.5	199.1	172.6
-80°	548.8	501.5	447.2	396.4	357.7	307.9	278.2	245.8	201.6	159.1	138.2
-82.5°	418.0	375.6	333.5	297.3	273.8	232.4	209.9	183.4	153.3	118.1	102.9
-85°	270.0	248.9	221.2	196.7	168.9	144.4	130.5	116.3	103.8	77.7	68.3
-87.5°	138.3	131.4	110.7	97.7	77.0	68.2	63.0	57.7	52.2	38.9	34.2
-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°	17.7	14.8	11.8	8.9	5.9	3.0	0.0
85°	35.3	29.5	23.7	17.8	11.9	5.9	0.0
82.5°	52.9	44.2	35.5	26.7	17.8	8.9	0.0
80°	77.9	60.8	47.2	35.5	23.7	11.8	0.0
77.5°	103.6	81.8	59.9	44.2	29.5	14.8	0.0
75°	129.1	102.4	74.4	52.9	35.3	17.7	0.0
72.5°	169.0	122.3	88.8	63.1	41.0	20.5	0.0
70°	213.2	149.2	102.9	73.7	46.6	23.3	0.0
67.5°	256.5	183.6	116.9	84.1	52.2	26.1	0.0
65°	304.1	217.2	137.4	94.3	58.3	28.8	0.0
62.5°	356.1	249.8	163.5	104.2	64.7	31.5	0.0
60°	406.6	284.1	188.7	113.8	70.9	34.1	0.0
57.5°	455.4	319.9	213.0	123.7	76.9	36.7	0.0
55°	513.6	353.4	236.3	139.3	82.7	39.1	0.0
52.5°	566.8	384.6	259.0	153.9	88.3	41.5	0.0
50°	617.2	414.5	281.9	167.4	93.7	43.9	0.0
47.5°	664.6	454.5	302.6	179.9	98.8	46.1	0.0
45°	708.2	491.7	320.7	191.2	103.6	48.3	0.0
42.5°	750.3	525.9	337.2	201.3	108.2	50.3	0.0
40°	789.1	557.2	352.3	210.2	112.5	52.3	0.0
37.5°	822.9	585.4	366.0	218.0	116.5	54.1	0.0
35°	854.1	609.6	382.9	226.6	121.2	56.1	0.0
32.5°	883.2	630.7	399.8	234.9	125.8	57.9	0.0
30°	909.8	649.3	414.3	242.3	129.8	59.7	0.0
27.5°	933.4	665.6	427.9	248.7	133.8	61.3	0.0
25°	954.2	679.3	440.0	254.0	137.3	62.7	0.0
22.5°	972.3	692.1	450.6	258.3	140.5	64.1	0.0
20°	989.3	705.9	459.4	261.7	143.2	65.3	0.0
17.5°	1013.3	717.3	466.6	265.2	145.5	66.3	0.0
15°	1037.2	727.6	472.2	268.0	147.4	67.3	0.0
12.5°	1057.1	737.3	475.7	269.8	148.9	68.0	0.0
10°	1072.9	745.2	477.3	270.7	150.0	68.7	0.0
7.5°	1083.9	750.8	477.0	270.6	150.7	69.2	0.0
5°	1090.7	753.4	474.8	269.5	151.1	69.5	0.0
2.5°	1093.5	752.9	470.9	267.7	151.1	69.7	0.0
0°	1092.2	749.4	465.2	265.0	150.7	69.8	0.0
-2.5°	1064.3	735.5	460.7	264.6	150.5	69.9	0.0
-5°	1032.4	718.8	454.6	263.5	150.0	69.8	0.0
-7.5°	996.9	699.7	447.1	261.6	149.1	69.7	0.0
-10°	959.7	678.4	438.3	259.0	147.9	69.3	0.0
-12.5°	924.2	657.0	428.2	255.6	146.3	68.9	0.0
-15°	886.3	635.7	417.8	251.5	144.5	68.3	0.0
-17.5°	846.2	614.2	407.9	246.6	142.3	67.6	0.0
-20°	809.7	592.7	396.8	241.1	139.7	66.7	0.0



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	784.1	570.3	384.4	234.8	136.9	65.7	0.0
-25°	758.8	552.3	370.7	227.9	133.7	64.6	0.0
-27.5°	732.2	534.9	355.9	220.2	130.2	63.4	0.0
-30°	705.8	516.1	340.2	211.9	126.4	62.1	0.0
-32.5°	682.2	495.8	327.0	202.9	122.3	60.7	0.0
-35°	655.2	474.2	312.8	193.4	117.9	59.1	0.0
-37.5°	626.4	452.3	299.1	184.1	113.5	57.5	0.0
-40°	597.0	430.9	287.6	176.6	110.0	55.7	0.0
-42.5°	564.2	407.5	274.8	169.3	106.4	53.7	0.0
-45°	528.9	382.2	260.8	162.7	102.7	51.7	0.0
-47.5°	491.8	355.1	245.5	155.6	99.1	49.5	0.0
-50°	457.3	326.2	228.3	148.0	95.4	47.2	0.0
-52.5°	421.9	303.3	209.9	140.0	91.7	44.9	0.0
-55°	385.2	281.0	196.7	131.6	87.9	42.4	0.0
-57.5°	345.6	258.4	184.6	122.7	84.2	39.8	0.0
-60°	316.8	235.3	172.3	116.5	80.4	37.1	0.0
-62.5°	288.1	216.7	159.8	110.1	76.6	34.3	0.0
-65°	259.4	201.5	147.0	103.1	72.8	31.5	0.0
-67.5°	234.3	185.4	134.3	95.7	67.7	28.5	0.0
-70°	212.1	168.5	121.2	87.8	60.9	25.5	0.0
-72.5°	189.3	149.6	107.5	79.6	53.8	22.5	0.0
-75°	165.5	128.6	93.1	70.5	46.5	19.4	0.0
-77.5°	139.8	106.9	78.3	58.9	39.0	16.2	0.0
-80°	113.9	84.5	62.9	47.3	31.4	13.0	0.0
-82.5°	87.5	63.2	47.3	35.5	23.7	9.8	0.0
-85°	58.6	42.3	31.6	23.7	15.8	6.5	0.0
-87.5°	29.4	21.2	15.8	11.9	7.9	3.3	0.0
-90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)