

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: P1305784 (CONVERTED FROM TYPE C PHOTOMETRY)

Luminaire Tested: **EPH-08-680R-40-80-7F-VHE-A**

Issue Date: 2/3/2026

**Test Information**

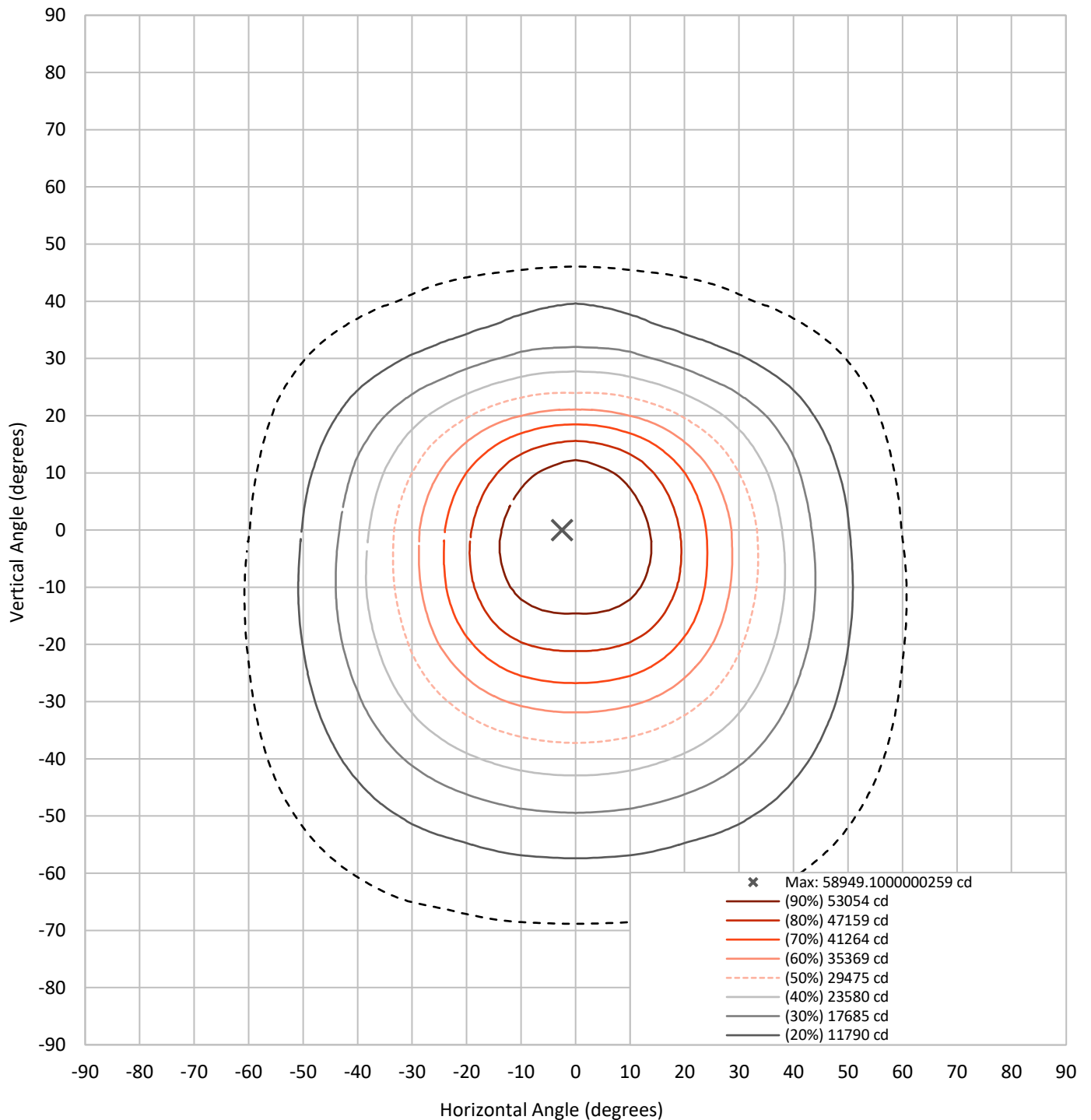
Test Method: LM-79-08  
Report Number: P1305784 (CONVERTED FROM TYPE C PHOTOMETRY)  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2009-976-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/3/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: EPHEBUS  
Catalog Number: EPH-08-680R-40-80-7F-VHE-A  
Description: EPHEBUS LUMASPORT 8 LUMINAIRE  
(8) 4000K, 80 CRI LEDS AND 7F BEAM SHAPE WITH ANODIZED CUTOFF VISOR  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp:	N/A	NEMA Type:	6H x 6V
Luminaire Lumens:	78423.9 lumens	Max Intensity:	58949.1 candela
Efficiency:	N/A	Max Intensity Angle:	-2.5°H x 0°V
Efficacy:	114.0 lumens/watt		
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')		
Beam Angle (50%):	66.6°H x 61.2°V	Field Angle (10%):	119.6°H x 114.9°V
Beam Lumens:	42580.4 lumens	Field Lumens:	73490.3 lumens
Beam Efficiency:	54.3%	Field Efficiency:	93.7%
Input Watts (W):	688		
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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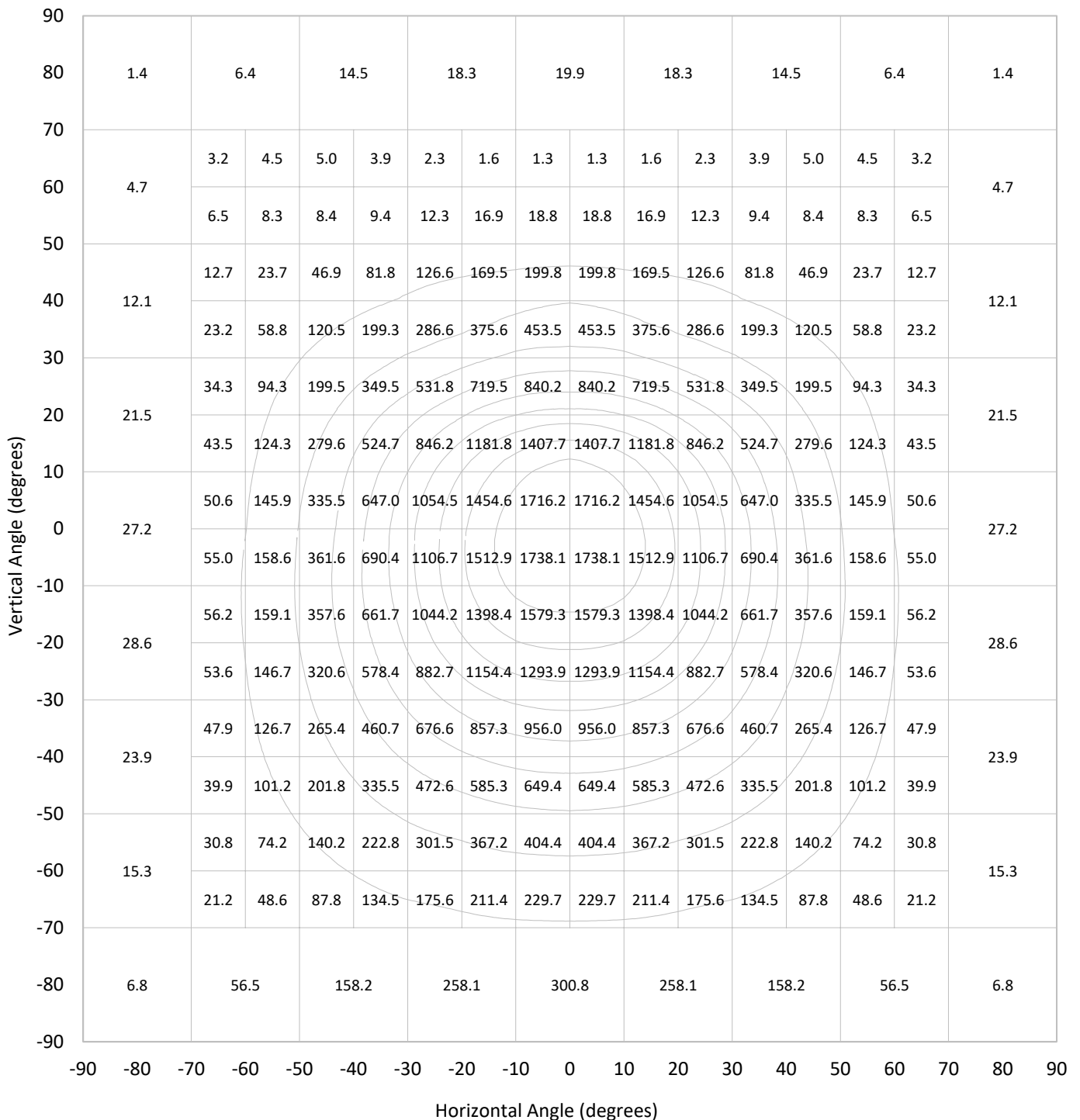
### Iso-Candela Plot





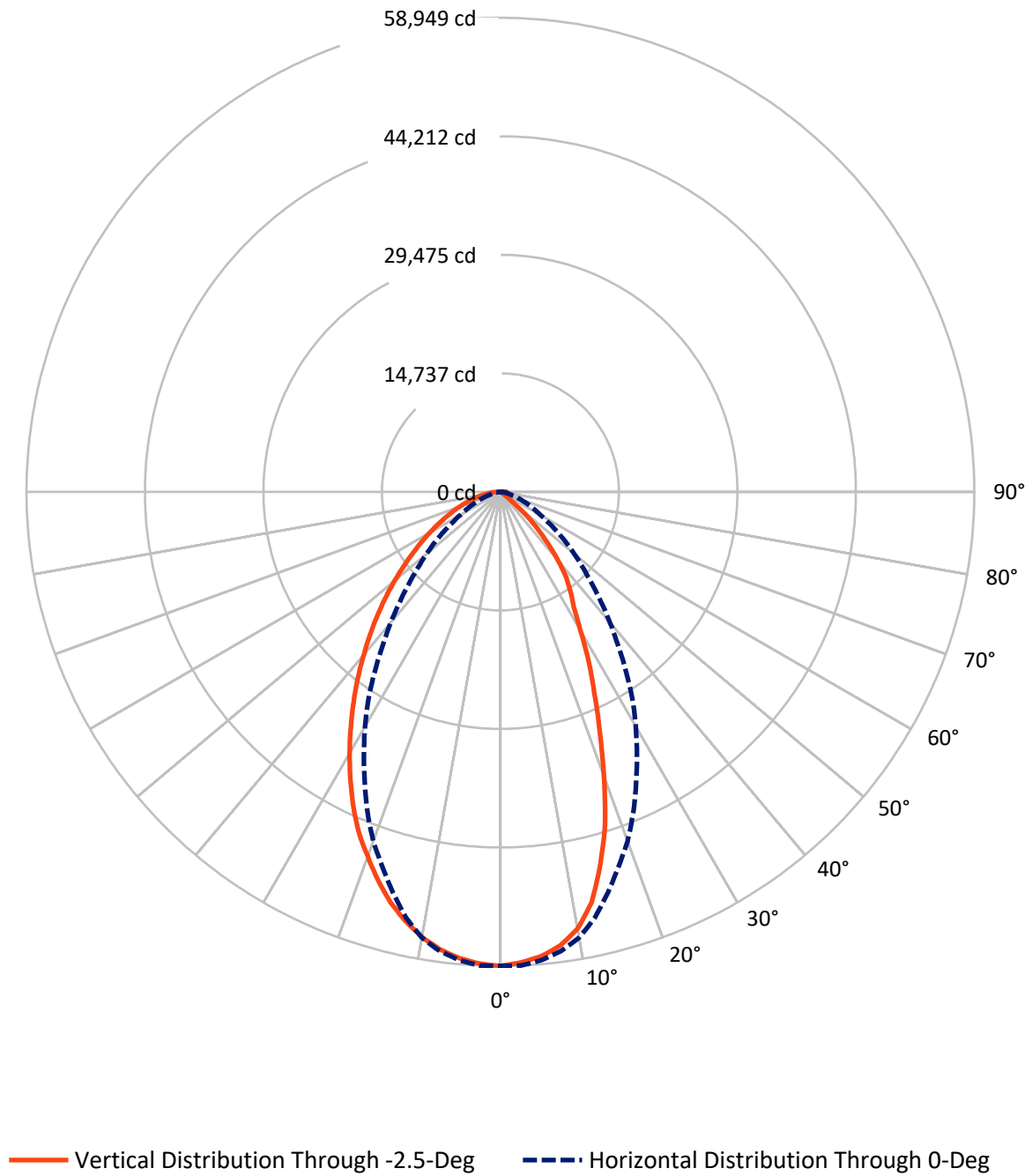
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### Lumen Table



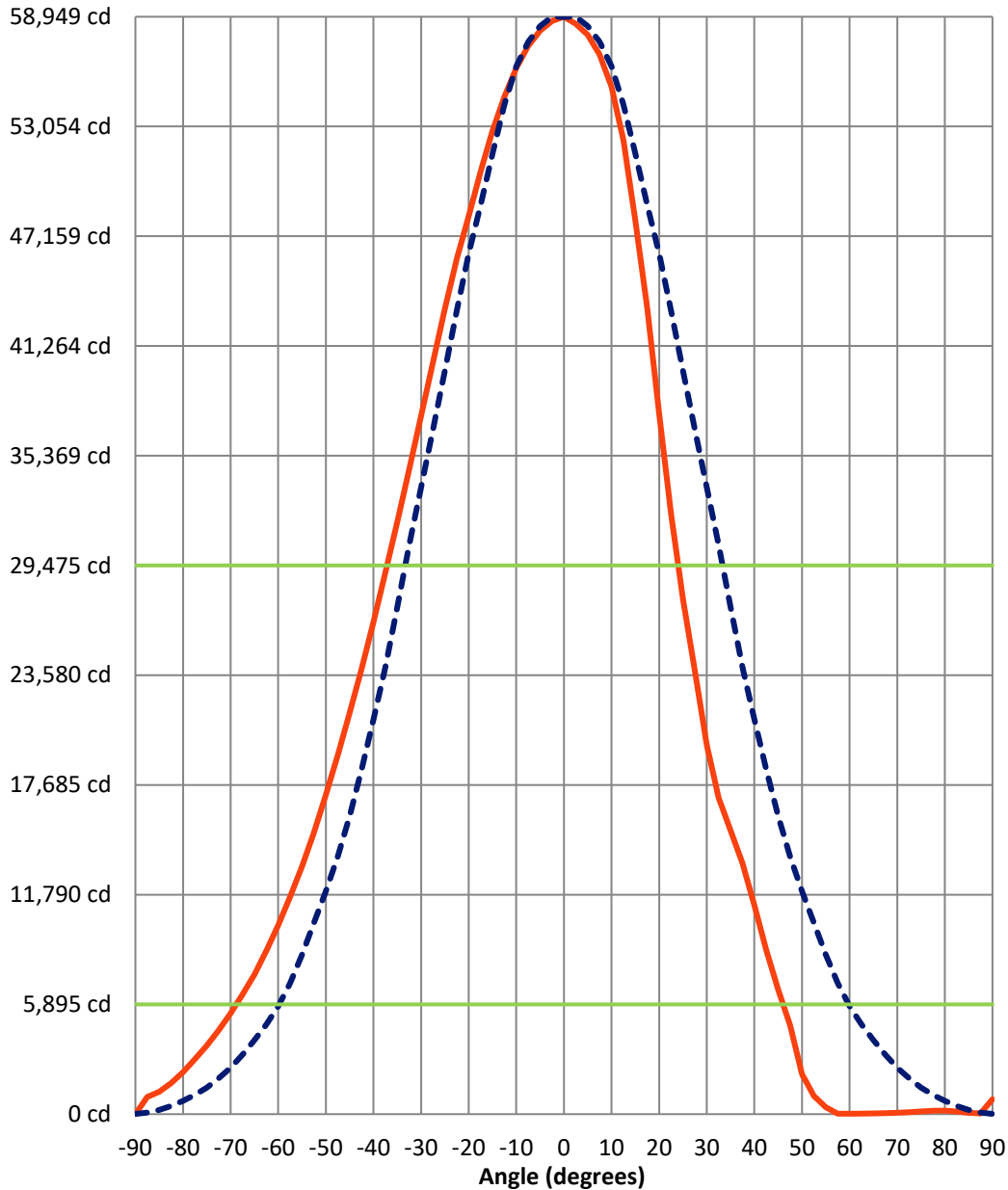
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### Luminous Intensity Polar Plot



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### Luminous Intensity Plot



**Beam:**  
 H Angle: 66.6°  
 V Angle: 61.2°  
 Lumens: 42580.4  
 Efficiency: 54.3%

**Field:**  
 H Angle: 119.6°  
 V Angle: 114.9°  
 Lumens: 73490.3  
 Efficiency: 93.7%

**Spill:**  
 Lumens: 4933.6  
 Efficiency: 6.3%

— Vertical Distribution through -2.5-Deg  
 - - - Horizontal Distribution through 0-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°	12.8	44.9	77.0	119.2	161.4	203.5	245.7	276.4	307.2	337.9	368.6
87.5°	12.8	16.3	18.7	20.3	21.5	22.5	23.2	23.2	22.9	22.2	21.3
85°	12.8	18.9	22.7	25.8	28.4	30.4	31.8	32.2	32.0	31.3	30.0
82.5°	12.8	21.4	26.7	31.4	35.2	38.2	40.4	41.2	41.9	45.0	47.4
80°	12.8	24.0	30.7	36.9	42.1	46.1	49.9	56.3	61.8	66.3	70.1
77.5°	12.8	26.5	34.7	42.4	48.9	57.1	66.4	74.3	81.6	87.7	90.6
75°	12.8	29.0	38.8	47.9	57.4	74.0	83.3	92.4	101.8	108.1	105.0
72.5°	12.8	31.5	42.8	53.4	73.3	91.2	100.6	112.7	126.4	129.1	121.2
70°	12.8	34.0	46.9	60.4	89.3	108.6	119.7	140.0	152.0	152.2	155.7
67.5°	12.8	36.5	51.1	73.9	105.4	126.3	149.0	168.1	179.4	195.1	196.3
65°	12.8	38.9	55.2	87.4	121.6	149.5	179.1	197.2	224.3	239.8	243.1
62.5°	12.8	41.4	59.4	100.9	137.9	178.3	210.0	237.6	270.6	289.2	301.6
60°	12.8	43.8	63.6	114.3	154.4	207.5	241.9	283.1	318.5	351.7	363.8
57.5°	12.8	46.2	73.4	127.7	179.5	237.2	285.7	330.4	378.8	417.2	436.6
55°	12.8	48.5	83.1	141.0	205.2	267.3	331.8	381.0	444.0	488.4	518.0
52.5°	12.8	50.9	92.6	154.2	230.9	299.6	378.8	444.7	511.4	572.9	605.4
50°	12.8	53.2	102.0	167.3	256.6	340.8	426.6	511.2	584.9	661.9	715.4
47.5°	12.8	55.4	111.1	182.0	282.4	382.1	476.7	579.2	670.8	755.4	836.8
45°	12.8	57.6	120.1	201.5	308.1	423.6	536.8	648.5	763.6	876.2	968.0
42.5°	12.8	59.7	128.9	220.6	333.8	465.2	597.2	727.0	859.4	1004.2	1144.5
40°	12.8	61.8	137.4	239.5	363.0	506.8	658.0	812.3	963.9	1138.3	1340.7
37.5°	12.8	63.9	145.7	258.0	395.3	548.3	718.9	898.7	1080.5	1281.8	1550.7
35°	12.8	65.9	153.8	275.8	427.0	594.7	779.9	986.1	1196.1	1448.9	1785.0
32.5°	12.8	67.8	161.5	293.0	458.2	643.1	844.0	1074.1	1310.4	1609.2	1991.4
30°	12.8	69.6	169.0	309.5	488.6	690.7	915.4	1164.1	1423.1	1762.4	2184.8
27.5°	12.8	71.4	176.1	325.2	516.3	737.2	985.9	1258.0	1540.9	1908.3	2365.1
25°	12.8	73.1	182.8	340.2	542.5	782.6	1055.2	1349.4	1664.9	2057.3	2533.1
22.5°	12.8	74.7	189.3	354.4	567.3	824.6	1123.1	1438.0	1782.3	2201.0	2709.5
20°	12.8	76.2	195.3	367.7	590.6	859.4	1189.1	1523.4	1892.8	2333.4	2876.0
17.5°	12.8	77.6	200.9	380.1	612.4	891.7	1240.9	1605.3	1996.2	2454.6	3031.9
15°	12.8	78.9	206.1	391.6	632.6	921.2	1281.2	1674.2	2092.4	2564.7	3176.5
12.5°	12.8	80.1	210.9	402.1	651.0	948.0	1316.8	1728.0	2177.2	2663.8	3309.0
10°	12.8	81.2	215.2	411.5	667.7	971.9	1347.7	1777.9	2253.4	2780.4	3444.1
7.5°	12.8	82.1	219.0	419.9	682.5	992.9	1374.0	1823.4	2324.0	2895.8	3598.0
5°	12.8	83.0	222.3	427.1	695.4	1011.0	1395.5	1863.9	2388.2	3004.6	3738.8
2.5°	12.8	83.7	225.1	433.3	706.3	1026.0	1412.5	1898.7	2445.1	3104.8	3865.5
0°	12.8	84.3	227.4	438.2	715.1	1037.9	1424.8	1927.2	2493.8	3194.3	3977.2
-2.5°	12.8	86.0	230.9	444.8	726.8	1057.2	1459.1	1974.5	2554.6	3257.1	4047.9
-5°	12.8	87.5	233.8	450.2	736.3	1073.3	1488.3	2014.6	2606.0	3307.4	4102.4
-7.5°	12.8	88.8	236.2	454.3	743.4	1085.8	1512.2	2046.8	2647.5	3345.3	4140.5
-10°	12.8	90.0	238.0	457.1	748.2	1094.7	1530.1	2070.9	2678.7	3371.0	4162.1
-12.5°	12.8	91.1	239.2	458.5	750.5	1099.9	1541.7	2086.6	2699.2	3385.5	4179.1
-15°	12.8	92.0	239.9	458.5	750.2	1101.1	1546.7	2093.4	2706.2	3391.5	4183.2
-17.5°	12.8	92.8	239.9	457.2	747.4	1098.2	1544.7	2088.6	2698.4	3382.6	4167.7
-20°	12.8	93.3	239.3	454.4	741.8	1091.2	1536.1	2073.2	2678.7	3358.4	4132.2



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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°	12.8	93.7	238.2	450.2	733.6	1080.0	1522.6	2049.6	2646.7	3318.7	4076.2
-25°	12.8	94.0	236.5	444.5	722.7	1068.9	1503.1	2017.6	2602.4	3263.3	3999.6
-27.5°	12.8	94.1	234.1	437.3	709.0	1055.2	1477.7	1977.5	2545.5	3196.3	3924.5
-30°	12.8	94.0	231.2	428.7	693.0	1036.9	1446.3	1929.2	2485.7	3122.3	3831.5
-32.5°	12.8	93.7	227.7	418.7	678.4	1013.9	1409.0	1883.0	2421.8	3033.3	3720.0
-35°	12.8	93.2	223.5	407.2	660.9	986.4	1374.3	1833.1	2348.4	2929.2	3589.9
-37.5°	12.8	92.6	218.9	394.2	640.5	956.9	1337.1	1776.3	2265.9	2810.3	3454.9
-40°	12.8	91.8	213.6	379.9	617.2	928.4	1293.8	1712.7	2174.3	2698.8	3312.8
-42.5°	12.8	90.9	207.8	365.0	595.5	896.0	1244.7	1642.6	2087.4	2588.3	3157.3
-45°	12.8	89.7	201.4	350.4	576.0	859.8	1189.6	1570.9	1999.4	2464.6	2992.7
-47.5°	12.8	88.4	194.5	334.2	554.2	819.8	1128.9	1499.1	1904.0	2328.0	2837.6
-50°	12.8	87.0	187.1	322.8	530.2	776.1	1073.7	1420.3	1797.3	2205.5	2666.9
-52.5°	12.8	85.3	179.2	312.1	504.0	728.8	1015.7	1334.6	1689.4	2072.3	2484.9
-55°	12.8	83.6	170.8	300.3	475.6	689.9	953.1	1244.2	1576.8	1928.9	2321.0
-57.5°	12.8	81.6	161.9	287.4	445.2	650.4	886.2	1163.8	1456.7	1786.8	2145.7
-60°	12.8	79.5	152.6	273.3	413.5	608.2	817.4	1075.8	1334.2	1639.2	1965.1
-62.5°	12.8	77.3	147.8	258.3	391.5	563.4	761.1	982.0	1223.0	1483.7	1786.7
-65°	12.8	74.9	142.6	242.2	368.0	516.1	701.7	890.5	1106.4	1342.1	1599.6
-67.5°	12.8	72.4	137.2	225.2	343.0	474.3	639.2	811.9	984.7	1199.9	1426.7
-70°	12.8	69.8	131.4	207.4	316.7	438.2	574.1	730.2	887.1	1052.3	1256.3
-72.5°	12.8	67.0	125.4	196.3	289.1	400.4	522.3	645.9	787.0	934.6	1088.5
-75°	12.8	64.1	119.1	186.4	260.4	360.9	470.7	574.8	683.8	814.3	950.2
-77.5°	12.8	61.2	112.6	176.2	243.0	320.1	417.2	507.2	600.3	698.2	808.2
-80°	12.8	58.1	105.9	165.5	227.6	292.0	362.0	438.1	517.0	599.9	686.5
-82.5°	12.8	54.9	98.9	154.4	211.7	270.8	331.4	380.1	432.0	499.5	569.8
-85°	12.8	51.6	91.8	142.9	195.4	248.9	303.5	346.1	388.9	432.1	475.8
-87.5°	12.8	48.3	84.4	131.2	178.5	226.4	274.9	311.5	348.3	385.3	422.5
-90°	12.8	13.8	14.7	14.7	14.7	14.7	14.7	14.2	13.8	13.3	12.8



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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°	395.7	422.7	449.8	476.8	503.4	530.0	556.5	583.1	607.9	632.6	657.4
87.5°	21.9	22.4	22.9	23.4	22.4	21.4	20.1	18.8	20.3	22.0	23.8
85°	31.0	32.1	34.8	36.9	38.3	40.2	42.6	45.5	50.9	56.2	61.5
82.5°	51.6	55.1	57.6	59.1	64.2	70.5	77.2	83.5	89.6	95.4	100.9
80°	74.6	78.2	78.9	79.8	86.5	94.8	103.6	112.7	120.1	126.9	133.3
77.5°	91.4	93.4	95.8	98.6	107.3	119.3	131.4	143.5	152.5	159.7	166.2
75°	104.6	108.4	117.1	122.6	132.3	146.4	160.5	174.1	183.0	188.0	191.3
72.5°	126.0	138.7	146.4	149.4	158.9	175.4	190.3	203.6	210.5	209.5	205.2
70°	159.0	170.8	180.9	184.7	188.8	204.9	217.1	226.6	230.8	222.4	206.0
67.5°	194.6	212.7	222.0	222.5	216.7	230.7	241.6	240.2	232.9	214.8	193.2
65°	240.4	257.6	265.9	262.5	246.9	250.0	249.3	242.8	226.0	201.1	175.2
62.5°	291.6	307.0	313.6	304.9	276.4	264.2	257.1	240.5	214.9	190.4	165.9
60°	356.8	360.2	364.4	348.8	313.0	279.2	266.0	249.3	221.9	188.4	168.2
57.5°	429.9	418.1	420.0	402.5	361.3	301.0	295.1	273.8	250.7	206.5	185.8
55°	514.1	481.9	487.0	471.1	433.3	365.8	342.9	339.9	307.5	272.8	234.5
52.5°	615.3	571.4	570.5	568.0	547.5	489.4	436.9	473.4	493.8	455.1	479.7
50°	728.9	707.1	674.3	712.5	724.6	693.8	647.7	749.5	872.2	928.4	926.9
47.5°	879.8	866.9	838.5	907.7	994.1	1073.3	1092.4	1276.4	1462.2	1667.6	1691.9
45°	1057.5	1090.2	1074.0	1220.9	1406.0	1619.1	1777.3	1955.7	2378.7	2624.0	2987.5
42.5°	1254.8	1350.1	1436.9	1575.6	2012.3	2283.5	2522.1	2970.0	3390.8	3746.6	4122.1
40°	1508.6	1634.0	1823.6	2201.1	2671.9	2985.7	3396.6	3907.0	4333.1	4734.8	5119.3
37.5°	1783.9	1993.2	2250.1	2791.2	3326.9	3720.1	4223.1	4729.5	5213.9	5664.6	6202.2
35°	2074.8	2353.8	2758.3	3323.6	3885.8	4433.4	4987.1	5551.1	6103.9	6721.5	7326.0
32.5°	2391.5	2714.7	3225.3	3825.5	4454.8	5091.0	5734.4	6392.8	7095.5	7815.5	8456.9
30°	2677.2	3116.8	3660.2	4311.3	5021.4	5752.2	6502.9	7260.6	8123.3	8975.7	9745.1
27.5°	2895.5	3485.0	4091.9	4811.6	5589.6	6404.6	7274.4	8213.3	9217.7	10194.7	11108.1
25°	3104.9	3768.4	4506.0	5311.7	6176.0	7092.3	8065.3	9116.4	10348.9	11493.7	12633.0
22.5°	3324.3	4053.9	4849.7	5799.0	6746.9	7789.7	8869.2	10078.9	11441.0	12794.3	14179.0
20°	3557.7	4349.4	5189.2	6190.2	7281.0	8476.7	9625.9	11033.9	12549.1	14121.8	15810.7
17.5°	3785.2	4621.0	5518.1	6573.2	7755.4	9094.7	10355.5	11958.2	13637.3	15436.1	17346.3
15°	4004.4	4868.5	5818.2	6925.4	8214.4	9636.2	11110.6	12866.8	14744.6	16730.5	18736.5
12.5°	4212.8	5091.9	6088.6	7245.1	8642.9	10162.3	11786.5	13633.5	15690.3	17885.4	20071.9
10°	4407.7	5291.4	6329.0	7530.7	9036.0	10664.0	12388.1	14318.8	16457.4	18719.1	21157.8
7.5°	4555.3	5457.0	6540.9	7780.8	9388.3	11131.5	12914.6	14919.4	17105.8	19461.3	22083.0
5°	4668.4	5591.6	6736.9	8069.4	9726.8	11518.3	13347.7	15431.5	17637.2	20099.9	22881.7
2.5°	4754.4	5705.4	6904.8	8337.6	10029.9	11781.8	13630.2	15767.6	18115.3	20696.3	23530.8
0°	4817.1	5796.3	7041.3	8566.9	10275.9	11975.7	13838.8	16011.7	18503.6	21201.0	24010.2
-2.5°	4923.6	5957.4	7232.2	8748.7	10429.4	12165.6	14107.5	16351.5	18872.0	21519.3	24423.5
-5°	5008.8	6090.0	7386.4	8885.4	10529.4	12289.9	14292.6	16587.9	19113.3	21733.8	24636.8
-7.5°	5070.6	6190.3	7502.3	8976.1	10596.2	12390.3	14422.0	16705.5	19203.5	21861.8	24670.3
-10°	5107.1	6237.8	7538.8	9003.0	10632.2	12444.4	14471.6	16722.7	19176.5	21831.6	24578.8
-12.5°	5120.9	6236.7	7527.5	8981.1	10604.6	12418.6	14432.3	16641.1	19035.1	21637.7	24345.9
-15°	5111.7	6204.8	7475.2	8909.8	10511.2	12309.8	14303.1	16462.6	18772.6	21242.5	23874.4
-17.5°	5079.7	6141.8	7381.1	8788.7	10350.6	12115.7	14072.9	16132.7	18395.6	20786.2	23275.4
-20°	5024.8	6047.7	7244.9	8617.8	10131.5	11860.8	13747.7	15741.6	17915.3	20241.6	22604.3



REPORT NUMBER: P1305784 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-680R-40-80-7F-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-62.5°	-60°	-57.5°	-55°	-52.5°	-50°	-47.5°	-45°	-42.5°	-40°	-37.5°
-22.5°	4947.1	5922.7	7085.8	8425.3	9921.1	11571.1	13359.3	15271.1	17303.4	19591.8	21843.5
-25°	4857.8	5812.2	6919.4	8215.6	9655.2	11231.8	12904.7	14732.7	16650.8	18792.5	20972.1
-27.5°	4756.0	5678.0	6742.0	7964.2	9329.0	10854.6	12454.1	14170.0	15986.3	17912.0	20001.8
-30°	4630.2	5525.5	6529.6	7689.0	8998.6	10444.0	11982.0	13533.2	15253.6	17069.2	18984.8
-32.5°	4480.9	5341.3	6317.6	7421.9	8638.9	9968.8	11431.1	12906.1	14493.4	16173.8	17949.1
-35°	4321.2	5154.3	6081.5	7117.5	8244.3	9490.6	10826.1	12229.2	13689.0	15268.1	16829.7
-37.5°	4160.4	4940.5	5805.7	6795.3	7874.7	8981.9	10183.1	11517.8	12885.8	14282.0	15716.1
-40°	3979.6	4700.3	5531.3	6454.0	7431.3	8458.7	9584.2	10775.6	12047.5	13306.9	14592.4
-42.5°	3782.6	4478.7	5240.6	6063.9	6978.5	7934.5	8944.4	10059.3	11167.9	12311.7	13498.7
-45°	3595.6	4236.6	4931.2	5696.4	6504.8	7388.9	8331.4	9305.9	10303.8	11314.7	12395.3
-47.5°	3394.7	3985.2	4639.4	5302.7	6045.5	6845.7	7693.3	8570.2	9434.5	10361.4	11285.0
-50°	3185.4	3749.3	4312.9	4929.4	5589.2	6307.3	7076.1	7832.2	8622.6	9425.1	10257.6
-52.5°	2975.6	3499.3	4009.9	4549.5	5146.3	5784.0	6453.8	7129.5	7831.8	8538.3	9251.8
-55°	2749.0	3234.9	3698.2	4185.7	4708.9	5280.3	5847.4	6455.3	7064.1	7710.6	8296.8
-57.5°	2534.7	2949.0	3377.9	3823.2	4291.6	4777.9	5281.5	5790.1	6344.2	6901.7	7404.0
-60°	2323.4	2674.0	3048.5	3455.7	3874.9	4305.6	4723.0	5176.9	5645.6	6102.1	6561.8
-62.5°	2104.3	2414.7	2734.8	3080.3	3461.8	3833.0	4209.7	4592.1	4974.0	5379.0	5767.6
-65°	1888.1	2152.8	2436.7	2736.1	3042.7	3378.0	3709.3	4032.3	4373.4	4704.9	5026.8
-67.5°	1662.2	1904.7	2147.7	2397.2	2671.5	2945.2	3220.7	3517.4	3805.5	4076.4	4349.3
-70°	1460.4	1655.5	1870.7	2090.9	2309.1	2533.6	2778.3	3023.5	3264.3	3495.1	3731.4
-72.5°	1259.8	1434.9	1610.7	1787.0	1976.8	2165.8	2356.8	2549.3	2750.5	2951.9	3147.8
-75°	1081.0	1212.3	1365.1	1520.7	1668.8	1813.3	1961.2	2124.7	2285.6	2443.7	2600.2
-77.5°	918.1	1028.9	1143.4	1261.4	1374.1	1495.3	1617.0	1738.9	1859.0	1976.5	2091.6
-80°	764.8	842.6	934.8	1030.4	1119.9	1208.2	1296.5	1384.6	1473.5	1566.5	1662.5
-82.5°	633.1	696.5	760.6	825.3	884.8	943.0	1003.1	1071.9	1142.2	1212.0	1281.0
-85°	512.6	549.0	598.2	648.0	695.5	742.4	788.6	834.1	880.9	927.0	972.4
-87.5°	454.4	486.1	517.7	549.1	579.3	609.2	638.9	668.4	698.5	728.5	758.5
-90°	12.8	12.8	12.8	12.8	12.4	11.9	11.5	11.0	10.6	10.1	9.7



REPORT NUMBER: P1305784 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-680R-40-80-7F-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
90°	682.1	689.9	697.7	705.5	713.3	731.6	750.0	768.3	786.6	790.8	794.9
87.5°	25.6	25.7	25.7	25.7	25.6	29.7	34.0	38.3	42.7	42.2	41.6
85°	66.6	67.6	68.1	68.1	67.8	73.4	79.1	84.7	90.0	86.4	82.2
82.5°	106.2	108.2	110.0	111.9	113.9	119.8	125.6	131.0	136.1	137.8	139.4
80°	139.1	142.7	145.4	147.5	149.1	154.1	159.4	164.5	169.4	174.5	179.7
77.5°	170.9	172.0	171.4	169.7	167.0	167.8	168.9	169.5	169.6	172.3	175.4
75°	192.9	190.4	182.8	174.1	164.4	158.4	154.0	149.4	144.6	143.7	144.1
72.5°	197.8	187.7	175.3	159.9	144.7	134.2	127.0	120.2	113.6	110.4	108.5
70°	187.3	168.1	151.3	134.8	118.7	106.8	99.6	93.1	87.2	83.4	80.7
67.5°	168.6	144.8	127.3	110.3	94.6	82.3	76.0	70.3	65.0	61.2	58.5
65°	149.7	124.4	107.5	91.2	75.3	63.1	58.3	53.6	49.0	45.6	43.7
62.5°	139.2	112.7	95.2	80.9	66.5	52.4	47.5	42.6	37.8	34.1	32.5
60°	142.9	112.8	91.5	78.3	63.4	47.1	40.9	36.5	31.6	27.2	25.6
57.5°	165.3	132.5	100.6	95.4	80.4	56.3	58.6	68.2	61.0	42.1	39.9
55°	253.0	244.8	160.2	207.4	241.1	227.2	212.2	280.9	314.4	316.1	347.2
52.5°	502.7	562.0	539.9	565.6	705.1	761.5	754.1	876.9	940.6	931.9	965.2
50°	1058.3	1179.8	1329.3	1353.4	1587.3	1749.5	1788.6	1930.9	2088.8	2149.3	2217.3
47.5°	2065.4	2350.1	2494.4	2657.3	2926.5	3221.5	3450.0	3654.8	3876.6	4028.2	4211.3
45°	3364.5	3565.6	3816.8	4195.0	4606.0	4991.0	5352.6	5682.1	5899.5	6093.3	6299.0
42.5°	4433.2	4754.4	5175.8	5739.9	6324.6	6719.7	7017.2	7334.8	7674.4	7997.2	8294.8
40°	5527.5	5899.7	6568.3	7207.5	7643.8	8025.3	8432.5	8863.4	9307.3	9730.8	10151.9
37.5°	6700.4	7250.4	7835.9	8394.6	8856.2	9217.1	9775.1	10252.5	10697.2	11327.9	11906.2
35°	7948.4	8546.1	9049.2	9688.2	10204.4	10649.4	11233.3	11834.6	12219.6	13084.6	13833.4
32.5°	9189.9	9886.6	10557.4	11164.2	11804.7	12490.9	13059.1	13884.0	14511.4	15338.8	16152.1
30°	10483.6	11438.7	12276.0	12941.9	13814.4	14701.5	15498.8	16470.1	17395.0	18165.0	19027.1
27.5°	12116.0	13178.0	14199.1	15225.3	16157.4	17265.1	18534.3	19561.7	20745.8	21585.4	22487.0
25°	13848.1	15113.1	16471.2	17794.0	19016.7	20449.8	21888.7	23144.0	24371.2	25338.6	26302.1
22.5°	15731.4	17261.2	18877.5	20542.8	22195.8	23765.7	25310.4	26863.8	28278.4	29608.1	30534.3
20°	17644.1	19342.8	21305.7	23312.2	25215.5	26987.6	28843.7	30808.1	32605.6	34146.5	35287.6
17.5°	19369.5	21500.3	23659.2	25860.6	28007.2	30197.2	32500.2	34810.5	36938.9	38743.5	40258.5
15°	20923.9	23338.2	25837.5	28321.1	30789.6	33311.1	36002.1	38491.4	40876.9	42946.5	44717.7
12.5°	22456.7	25035.3	27714.4	30499.2	33425.6	36155.8	38895.6	41579.8	44079.7	46485.4	48259.8
10°	23813.3	26597.6	29465.8	32450.0	35480.9	38442.8	41330.7	44128.8	46585.0	48856.6	51003.3
7.5°	24918.6	27904.7	30966.0	34104.6	37224.1	40223.4	43164.6	45960.7	48453.9	50781.8	52976.9
5°	25872.0	29039.1	32198.4	35326.3	38465.1	41576.0	44545.4	47302.5	49899.4	52318.5	54518.4
2.5°	26650.0	29952.4	33153.5	36234.2	39360.3	42544.7	45589.1	48252.7	50967.2	53427.6	55593.0
0°	27233.8	30567.4	33666.3	36774.4	39939.3	43159.3	46221.5	48830.8	51594.2	54223.7	56282.9
-2.5°	27553.1	30691.0	33775.5	36893.8	40154.1	43466.4	46524.4	49336.8	52084.3	54549.1	56463.6
-5°	27664.0	30750.8	33824.2	36998.8	40230.9	43491.0	46538.6	49358.5	51996.9	54302.4	56048.5
-7.5°	27589.6	30646.0	33688.7	36832.0	40043.6	43264.8	46263.4	48960.8	51501.6	53685.3	55351.5
-10°	27364.8	30324.6	33368.4	36460.1	39678.5	42858.7	45797.3	48230.8	50656.8	52705.4	54280.9
-12.5°	26993.4	29827.3	32829.1	35852.3	39010.0	42066.9	44805.2	47228.2	49396.0	51471.0	52850.1
-15°	26466.4	29198.7	32068.5	35029.0	38020.6	40977.9	43647.9	45989.8	47998.0	49635.0	51087.2
-17.5°	25805.4	28441.8	31191.8	34028.6	36806.6	39620.2	42094.6	44441.5	46373.2	47830.5	48957.4
-20°	24991.9	27550.3	30180.2	32888.6	35469.7	37862.7	40248.0	42430.3	44339.7	45764.6	46847.6



REPORT NUMBER: P1305784 (CONVERTED FROM TYPE C PHOTOMETRY)  
 CATALOG NUMBER: EPH-08-680R-40-80-7F-VHE-A

**CANDELA DISTRIBUTION (continued):**

	-35°	-32.5°	-30°	-27.5°	-25°	-22.5°	-20°	-17.5°	-15°	-12.5°	-10°
-22.5°	24133.2	26546.9	29038.4	31480.6	33831.0	36080.6	38240.9	40243.8	42059.4	43406.6	44443.1
-25°	23156.0	25413.5	27717.2	29922.7	32069.4	34163.8	36121.9	37977.8	39562.7	40873.3	41835.6
-27.5°	22085.9	24187.8	26267.1	28318.3	30310.0	32120.6	33922.3	35597.6	36991.4	38196.7	39048.9
-30°	20916.6	22838.8	24787.5	26710.3	28433.3	30064.2	31665.0	33119.3	34396.8	35455.1	36219.5
-32.5°	19683.3	21439.4	23247.0	24985.6	26496.5	27967.9	29363.8	30638.6	31810.2	32745.3	33434.5
-35°	18408.2	20035.2	21658.4	23161.7	24570.0	25878.9	27081.7	28211.6	29182.1	30034.5	30710.3
-37.5°	17154.1	18619.6	20028.3	21340.9	22642.1	23842.4	24893.0	25884.5	26766.8	27477.8	28070.2
-40°	15924.1	17221.3	18420.6	19589.0	20751.7	21767.8	22721.9	23576.8	24357.7	25037.0	25563.3
-42.5°	14701.4	15818.5	16853.7	17905.1	18910.3	19791.6	20622.2	21363.0	22040.6	22649.3	23159.6
-45°	13474.2	14429.6	15351.0	16275.4	17110.1	17895.0	18617.0	19267.8	19873.1	20385.7	20804.1
-47.5°	12220.9	13068.4	13905.4	14706.4	15398.9	16077.1	16698.7	17283.3	17828.8	18289.7	18659.4
-50°	11024.2	11773.3	12522.7	13184.8	13767.1	14331.8	14857.9	15422.4	15927.3	16347.2	16652.7
-52.5°	9900.6	10578.0	11222.1	11764.5	12256.6	12697.6	13101.7	13626.1	14101.4	14513.8	14784.7
-55°	8877.5	9457.1	10009.4	10457.4	10868.4	11236.2	11603.0	12024.4	12408.1	12751.2	12977.6
-57.5°	7914.3	8405.7	8865.1	9242.3	9585.1	9892.6	10233.2	10585.5	10900.1	11171.0	11353.3
-60°	7001.2	7419.5	7800.5	8110.8	8395.7	8654.5	8978.6	9286.1	9558.1	9779.0	9915.1
-62.5°	6139.8	6514.9	6811.2	7060.8	7288.3	7506.4	7789.6	8055.3	8300.6	8496.5	8610.4
-65°	5351.2	5679.7	5899.8	6097.3	6276.7	6473.1	6713.9	6930.0	7121.6	7267.2	7366.3
-67.5°	4632.2	4892.1	5065.7	5222.7	5376.3	5544.4	5748.8	5937.4	6109.8	6229.7	6303.8
-70°	3962.5	4162.8	4303.6	4437.0	4565.3	4709.4	4876.8	5032.8	5176.7	5269.7	5328.8
-72.5°	3337.6	3490.3	3606.6	3721.5	3825.0	3948.5	4085.1	4213.0	4331.7	4401.7	4446.6
-75°	2754.7	2871.8	2967.0	3055.2	3136.0	3240.0	3350.6	3454.4	3551.0	3604.4	3639.0
-77.5°	2214.2	2303.8	2375.5	2441.2	2500.7	2583.2	2668.3	2748.2	2822.7	2870.3	2908.5
-80°	1756.4	1810.5	1854.6	1895.7	1933.6	1995.2	2057.6	2116.5	2171.6	2202.6	2227.2
-82.5°	1349.1	1382.0	1408.3	1431.3	1451.1	1494.0	1536.8	1577.3	1615.5	1635.5	1652.6
-85°	1016.9	1034.6	1049.5	1062.8	1074.4	1104.3	1133.8	1162.3	1189.7	1195.5	1199.7
-87.5°	788.5	798.1	807.2	816.1	824.6	846.7	868.7	890.6	912.3	916.0	919.5
-90°	9.2	8.7	8.3	7.8	7.3	6.9	6.4	6.0	5.5	5.1	4.6



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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°	799.1	803.2	800.4	797.6	800.4	803.2	799.1	794.9	790.8	786.6	768.3
87.5°	40.9	40.2	40.3	40.3	40.3	40.2	40.9	41.6	42.2	42.7	38.3
85°	77.8	73.1	69.6	66.0	69.6	73.1	77.8	82.2	86.4	90.0	84.7
82.5°	140.9	142.2	141.9	141.2	141.9	142.2	140.9	139.4	137.8	136.1	131.0
80°	184.9	189.8	191.4	192.5	191.4	189.8	184.9	179.7	174.5	169.4	164.5
77.5°	178.4	181.5	182.5	183.4	182.5	181.5	178.4	175.4	172.3	169.6	169.5
75°	144.7	145.6	145.1	144.9	145.1	145.6	144.7	144.1	143.7	144.6	149.4
72.5°	106.9	105.6	104.8	104.5	104.8	105.6	106.9	108.5	110.4	113.6	120.2
70°	78.3	76.2	74.6	73.3	74.6	76.2	78.3	80.7	83.4	87.2	93.1
67.5°	56.1	54.1	52.5	51.3	52.5	54.1	56.1	58.5	61.2	65.0	70.3
65°	42.1	40.9	39.6	38.5	39.6	40.9	42.1	43.7	45.6	49.0	53.6
62.5°	31.1	29.9	29.4	29.3	29.4	29.9	31.1	32.5	34.1	37.8	42.6
60°	24.1	22.6	22.1	22.0	22.1	22.6	24.1	25.6	27.2	31.6	36.5
57.5°	36.0	30.8	27.8	25.7	27.8	30.8	36.0	39.9	42.1	61.0	68.2
55°	363.7	364.7	372.0	379.6	372.0	364.7	363.7	347.2	316.1	314.4	280.9
52.5°	990.6	987.4	978.4	960.8	978.4	987.4	990.6	965.2	931.9	940.6	876.9
50°	2258.1	2226.2	2157.1	2059.2	2157.1	2226.2	2258.1	2217.3	2149.3	2088.8	1930.9
47.5°	4457.8	4642.2	4769.7	4826.2	4769.7	4642.2	4457.8	4211.3	4028.2	3876.6	3654.8
45°	6513.1	6622.5	6686.3	6736.9	6686.3	6622.5	6513.1	6299.0	6093.3	5899.5	5682.1
42.5°	8548.2	8721.5	8806.9	8792.5	8806.9	8721.5	8548.2	8294.8	7997.2	7674.4	7334.8
40°	10556.5	10919.4	11217.3	11431.1	11217.3	10919.4	10556.5	10151.9	9730.8	9307.3	8863.4
37.5°	12478.3	13018.6	13475.1	13805.8	13475.1	13018.6	12478.3	11906.2	11327.9	10697.2	10252.5
35°	14446.0	14922.5	15235.3	15371.7	15235.3	14922.5	14446.0	13833.4	13084.6	12219.6	11834.6
32.5°	16670.8	16935.6	16991.7	17133.9	16991.7	16935.6	16670.8	16152.1	15338.8	14511.4	13884.0
30°	19552.0	19827.2	19833.9	20012.8	19833.9	19827.2	19552.0	19027.1	18165.0	17395.0	16470.1
27.5°	23197.7	23661.1	23811.6	23969.8	23811.6	23661.1	23197.7	22487.0	21585.4	20745.8	19561.7
25°	27101.5	27533.5	27671.9	27618.8	27671.9	27533.5	27101.5	26302.1	25338.6	24371.2	23144.0
22.5°	31483.2	32043.3	32247.2	32144.4	32247.2	32043.3	31483.2	30534.3	29608.1	28278.4	26863.8
20°	36387.3	37195.8	37623.1	37815.9	37623.1	37195.8	36387.3	35287.6	34146.5	32605.6	30808.1
17.5°	41549.3	42740.6	43287.7	43449.0	43287.7	42740.6	41549.3	40258.5	38743.5	36938.9	34810.5
15°	46245.3	47285.5	47994.9	48359.6	47994.9	47285.5	46245.3	44717.7	42946.5	40876.9	38491.4
12.5°	49876.3	51202.1	52307.2	52899.8	52307.2	51202.1	49876.3	48259.8	46485.4	44079.7	41579.8
10°	52836.1	54174.8	55179.6	55666.8	55179.6	54174.8	52836.1	51003.3	48856.6	46585.0	44128.8
7.5°	54883.9	56128.0	56908.1	57227.2	56908.1	56128.0	54883.9	52976.9	50781.8	48453.9	45960.7
5°	56207.5	57397.0	57973.7	58180.8	57973.7	57397.0	56207.5	54518.4	52318.5	49899.4	47302.5
2.5°	57160.6	58101.8	58563.5	58593.3	58563.5	58101.8	57160.6	55593.0	53427.6	50967.2	48252.7
0°	57595.8	58443.0	58949.1	58939.9	58949.1	58443.0	57595.8	56282.9	54223.7	51594.2	48830.8
-2.5°	57616.9	58353.9	58713.6	58510.8	58713.6	58353.9	57616.9	56463.6	54549.1	52084.3	49336.8
-5°	57206.0	57927.4	58196.9	58134.9	58196.9	57927.4	57206.0	56048.5	54302.4	51996.9	49358.5
-7.5°	56468.2	57108.2	57383.4	57392.3	57383.4	57108.2	56468.2	55351.5	53685.3	51501.6	48960.8
-10°	55343.2	55878.0	56193.1	56103.2	56193.1	55878.0	55343.2	54280.9	52705.4	50656.8	48230.8
-12.5°	53854.9	54382.7	54650.0	54595.9	54650.0	54382.7	53854.9	52850.1	51471.0	49396.0	47228.2
-15°	52074.6	52576.2	52826.6	52802.6	52826.6	52576.2	52074.6	51087.2	49635.0	47998.0	45989.8
-17.5°	49870.4	50373.3	50629.6	50664.5	50629.6	50373.3	49870.4	48957.4	47830.5	46373.2	44441.5
-20°	47560.5	48004.0	48238.8	48242.2	48238.8	48004.0	47560.5	46847.6	45764.6	44339.7	42430.3



REPORT NUMBER: P1305784 (CONVERTED FROM TYPE C PHOTOMETRY)  
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**CANDELA DISTRIBUTION (continued):**

	-7.5°	-5°	-2.5°	0°	2.5°	5°	7.5°	10°	12.5°	15°	17.5°
-22.5°	45166.0	45664.0	45942.7	45900.6	45942.7	45664.0	45166.0	44443.1	43406.6	42059.4	40243.8
-25°	42497.2	42996.3	43267.2	43256.5	43267.2	42996.3	42497.2	41835.6	40873.3	39562.7	37977.8
-27.5°	39648.0	40127.7	40389.2	40421.6	40389.2	40127.7	39648.0	39048.9	38196.7	36991.4	35597.6
-30°	36778.0	37251.0	37507.1	37528.0	37507.1	37251.0	36778.0	36219.5	35455.1	34396.8	33119.3
-32.5°	33965.7	34392.8	34629.4	34654.7	34629.4	34392.8	33965.7	33434.5	32745.3	31810.2	30638.6
-35°	31222.1	31597.3	31809.6	31878.5	31809.6	31597.3	31222.1	30710.3	30034.5	29182.1	28211.6
-37.5°	28551.8	28891.0	29096.0	29221.5	29096.0	28891.0	28551.8	28070.2	27477.8	26766.8	25884.5
-40°	25972.5	26269.7	26433.2	26436.1	26433.2	26269.7	25972.5	25563.3	25037.0	24357.7	23576.8
-42.5°	23537.7	23787.9	23912.9	23914.8	23912.9	23787.9	23537.7	23159.6	22649.3	22040.6	21363.0
-45°	21141.1	21385.8	21559.1	21668.6	21559.1	21385.8	21141.1	20804.1	20385.7	19873.1	19267.8
-47.5°	18941.4	19142.0	19279.6	19354.5	19279.6	19142.0	18941.4	18659.4	18289.7	17828.8	17283.3
-50°	16876.5	17036.9	17154.2	17223.7	17154.2	17036.9	16876.5	16652.7	16347.2	15927.3	15422.4
-52.5°	14968.4	15085.5	15127.6	15100.3	15127.6	15085.5	14968.4	14784.7	14513.8	14101.4	13626.1
-55°	13147.3	13264.0	13310.6	13294.2	13310.6	13264.0	13147.3	12977.6	12751.2	12408.1	12024.4
-57.5°	11496.7	11600.2	11683.0	11733.7	11683.0	11600.2	11496.7	11353.3	11171.0	10900.1	10585.5
-60°	10022.3	10098.8	10150.9	10171.4	10150.9	10098.8	10022.3	9915.1	9779.0	9558.1	9286.1
-62.5°	8690.5	8738.1	8775.0	8790.6	8775.0	8738.1	8690.5	8610.4	8496.5	8300.6	8055.3
-65°	7445.3	7503.4	7496.4	7455.7	7496.4	7503.4	7445.3	7366.3	7267.2	7121.6	6930.0
-67.5°	6359.7	6397.5	6430.1	6447.2	6430.1	6397.5	6359.7	6303.8	6229.7	6109.8	5937.4
-70°	5374.0	5405.0	5416.5	5413.0	5416.5	5405.0	5374.0	5328.8	5269.7	5176.7	5032.8
-72.5°	4480.5	4503.2	4507.6	4499.8	4507.6	4503.2	4480.5	4446.6	4401.7	4331.7	4213.0
-75°	3663.6	3678.6	3686.2	3685.7	3686.2	3678.6	3663.6	3639.0	3604.4	3551.0	3454.4
-77.5°	2940.3	2965.6	2954.8	2935.7	2954.8	2965.6	2940.3	2908.5	2870.3	2822.7	2748.2
-80°	2247.3	2262.7	2254.3	2240.8	2254.3	2262.7	2247.3	2227.2	2202.6	2171.6	2116.5
-82.5°	1667.3	1679.5	1665.6	1648.5	1665.6	1679.5	1667.3	1652.6	1635.5	1615.5	1577.3
-85°	1202.6	1204.5	1203.3	1201.1	1203.3	1204.5	1202.6	1199.7	1195.5	1189.7	1162.3
-87.5°	922.6	925.5	923.1	920.5	923.1	925.5	922.6	919.5	916.0	912.3	890.6
-90°	4.2	3.7	4.6	5.5	4.6	3.7	4.2	4.6	5.1	5.5	6.0



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**CANDELA DISTRIBUTION (continued):**

	20°	22.5°	25°	27.5°	30°	32.5°	35°	37.5°	40°	42.5°	45°
90°	750.0	731.6	713.3	705.5	697.7	689.9	682.1	657.4	632.6	607.9	583.1
87.5°	34.0	29.7	25.6	25.7	25.7	25.7	25.6	23.8	22.0	20.3	18.8
85°	79.1	73.4	67.8	68.1	68.1	67.6	66.6	61.5	56.2	50.9	45.5
82.5°	125.6	119.8	113.9	111.9	110.0	108.2	106.2	100.9	95.4	89.6	83.5
80°	159.4	154.1	149.1	147.5	145.4	142.7	139.1	133.3	126.9	120.1	112.7
77.5°	168.9	167.8	167.0	169.7	171.4	172.0	170.9	166.2	159.7	152.5	143.5
75°	154.0	158.4	164.4	174.1	182.8	190.4	192.9	191.3	188.0	183.0	174.1
72.5°	127.0	134.2	144.7	159.9	175.3	187.7	197.8	205.2	209.5	210.5	203.6
70°	99.6	106.8	118.7	134.8	151.3	168.1	187.3	206.0	222.4	230.8	226.6
67.5°	76.0	82.3	94.6	110.3	127.3	144.8	168.6	193.2	214.8	232.9	240.2
65°	58.3	63.1	75.3	91.2	107.5	124.4	149.7	175.2	201.1	226.0	242.8
62.5°	47.5	52.4	66.5	80.9	95.2	112.7	139.2	165.9	190.4	214.9	240.5
60°	40.9	47.1	63.4	78.3	91.5	112.8	142.9	168.2	188.4	221.9	249.3
57.5°	58.6	56.3	80.4	95.4	100.6	132.5	165.3	185.8	206.5	250.7	273.8
55°	212.2	227.2	241.1	207.4	160.2	244.8	253.0	234.5	272.8	307.5	339.9
52.5°	754.1	761.5	705.1	565.6	539.9	562.0	502.7	479.7	455.1	493.8	473.4
50°	1788.6	1749.5	1587.3	1353.4	1329.3	1179.8	1058.3	926.9	928.4	872.2	749.5
47.5°	3450.0	3221.5	2926.5	2657.3	2494.4	2350.1	2065.4	1691.9	1667.6	1462.2	1276.4
45°	5352.6	4991.0	4606.0	4195.0	3816.8	3565.6	3364.5	2987.5	2624.0	2378.7	1955.7
42.5°	7017.2	6719.7	6324.6	5739.9	5175.8	4754.4	4433.2	4122.1	3746.6	3390.8	2970.0
40°	8432.5	8025.3	7643.8	7207.5	6568.3	5899.7	5527.5	5119.3	4734.8	4333.1	3907.0
37.5°	9775.1	9217.1	8856.2	8394.6	7835.9	7250.4	6700.4	6202.2	5664.6	5213.9	4729.5
35°	11233.3	10649.4	10204.4	9688.2	9049.2	8546.1	7948.4	7326.0	6721.5	6103.9	5551.1
32.5°	13059.1	12490.9	11804.7	11164.2	10557.4	9886.6	9189.9	8456.9	7815.5	7095.5	6392.8
30°	15498.8	14701.5	13814.4	12941.9	12276.0	11438.7	10483.6	9745.1	8975.7	8123.3	7260.6
27.5°	18534.3	17265.1	16157.4	15225.3	14199.1	13178.0	12116.0	11108.1	10194.7	9217.7	8213.3
25°	21888.7	20449.8	19016.7	17794.0	16471.2	15113.1	13848.1	12633.0	11493.7	10348.9	9116.4
22.5°	25310.4	23765.7	22195.8	20542.8	18877.5	17261.2	15731.4	14179.0	12794.3	11441.0	10078.9
20°	28843.7	26987.6	25215.5	23312.2	21305.7	19342.8	17644.1	15810.7	14121.8	12549.1	11033.9
17.5°	32500.2	30197.2	28007.2	25860.6	23659.2	21500.3	19369.5	17346.3	15436.1	13637.3	11958.2
15°	36002.1	33311.1	30789.6	28321.1	25837.5	23338.2	20923.9	18736.5	16730.5	14744.6	12866.8
12.5°	38895.6	36155.8	33425.6	30499.2	27714.4	25035.3	22456.7	20071.9	17885.4	15690.3	13633.5
10°	41330.7	38442.8	35480.9	32450.0	29465.8	26597.6	23813.3	21157.8	18719.1	16457.4	14318.8
7.5°	43164.6	40223.4	37224.1	34104.6	30966.0	27904.7	24918.6	22083.0	19461.3	17105.8	14919.4
5°	44545.4	41576.0	38465.1	35326.3	32198.4	29039.1	25872.0	22881.7	20099.9	17637.2	15431.5
2.5°	45589.1	42544.7	39360.3	36234.2	33153.5	29952.4	26650.0	23530.8	20696.3	18115.3	15767.6
0°	46221.5	43159.3	39939.3	36774.4	33666.3	30567.4	27233.8	24010.2	21201.0	18503.6	16011.7
-2.5°	46524.4	43466.4	40154.1	36893.8	33775.5	30691.0	27553.1	24423.5	21519.3	18872.0	16351.5
-5°	46538.6	43491.0	40230.9	36998.8	33824.2	30750.8	27664.0	24636.8	21733.8	19113.3	16587.9
-7.5°	46263.4	43264.8	40043.6	36832.0	33688.7	30646.0	27589.6	24670.3	21861.8	19203.5	16705.5
-10°	45797.3	42858.7	39678.5	36460.1	33368.4	30324.6	27364.8	24578.8	21831.6	19176.5	16722.7
-12.5°	44805.2	42066.9	39010.0	35852.3	32829.1	29827.3	26993.4	24345.9	21637.7	19035.1	16641.1
-15°	43647.9	40977.9	38020.6	35029.0	32068.5	29198.7	26466.4	23874.4	21242.5	18772.6	16462.6
-17.5°	42094.6	39620.2	36806.6	34028.6	31191.8	28441.8	25805.4	23275.4	20786.2	18395.6	16132.7
-20°	40248.0	37862.7	35469.7	32888.6	30180.2	27550.3	24991.9	22604.3	20241.6	17915.3	15741.6



REPORT NUMBER: P1305784 (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°	38240.9	36080.6	33831.0	31480.6	29038.4	26546.9	24133.2	21843.5	19591.8	17303.4	15271.1
-25°	36121.9	34163.8	32069.4	29922.7	27717.2	25413.5	23156.0	20972.1	18792.5	16650.8	14732.7
-27.5°	33922.3	32120.6	30310.0	28318.3	26267.1	24187.8	22085.9	20001.8	17912.0	15986.3	14170.0
-30°	31665.0	30064.2	28433.3	26710.3	24787.5	22838.8	20916.6	18984.8	17069.2	15253.6	13533.2
-32.5°	29363.8	27967.9	26496.5	24985.6	23247.0	21439.4	19683.3	17949.1	16173.8	14493.4	12906.1
-35°	27081.7	25878.9	24570.0	23161.7	21658.4	20035.2	18408.2	16829.7	15268.1	13689.0	12229.2
-37.5°	24893.0	23842.4	22642.1	21340.9	20028.3	18619.6	17154.1	15716.1	14282.0	12885.8	11517.8
-40°	22721.9	21767.8	20751.7	19589.0	18420.6	17221.3	15924.1	14592.4	13306.9	12047.5	10775.6
-42.5°	20622.2	19791.6	18910.3	17905.1	16853.7	15818.5	14701.4	13498.7	12311.7	11167.9	10059.3
-45°	18617.0	17895.0	17110.1	16275.4	15351.0	14429.6	13474.2	12395.3	11314.7	10303.8	9305.9
-47.5°	16698.7	16077.1	15398.9	14706.4	13905.4	13068.4	12220.9	11285.0	10361.4	9434.5	8570.2
-50°	14857.9	14331.8	13767.1	13184.8	12522.7	11773.3	11024.2	10257.6	9425.1	8622.6	7832.2
-52.5°	13101.7	12697.6	12256.6	11764.5	11222.1	10578.0	9900.6	9251.8	8538.3	7831.8	7129.5
-55°	11603.0	11236.2	10868.4	10457.4	10009.4	9457.1	8877.5	8296.8	7710.6	7064.1	6455.3
-57.5°	10233.2	9892.6	9585.1	9242.3	8865.1	8405.7	7914.3	7404.0	6901.7	6344.2	5790.1
-60°	8978.6	8654.5	8395.7	8110.8	7800.5	7419.5	7001.2	6561.8	6102.1	5645.6	5176.9
-62.5°	7789.6	7506.4	7288.3	7060.8	6811.2	6514.9	6139.8	5767.6	5379.0	4974.0	4592.1
-65°	6713.9	6473.1	6276.7	6097.3	5899.8	5679.7	5351.2	5026.8	4704.9	4373.4	4032.3
-67.5°	5748.8	5544.4	5376.3	5222.7	5065.7	4892.1	4632.2	4349.3	4076.4	3805.5	3517.4
-70°	4876.8	4709.4	4565.3	4437.0	4303.6	4162.8	3962.5	3731.4	3495.1	3264.3	3023.5
-72.5°	4085.1	3948.5	3825.0	3721.5	3606.6	3490.3	3337.6	3147.8	2951.9	2750.5	2549.3
-75°	3350.6	3240.0	3136.0	3055.2	2967.0	2871.8	2754.7	2600.2	2443.7	2285.6	2124.7
-77.5°	2668.3	2583.2	2500.7	2441.2	2375.5	2303.8	2214.2	2091.6	1976.5	1859.0	1738.9
-80°	2057.6	1995.2	1933.6	1895.7	1854.6	1810.5	1756.4	1662.5	1566.5	1473.5	1384.6
-82.5°	1536.8	1494.0	1451.1	1431.3	1408.3	1382.0	1349.1	1281.0	1212.0	1142.2	1071.9
-85°	1133.8	1104.3	1074.4	1062.8	1049.5	1034.6	1016.9	972.4	927.0	880.9	834.1
-87.5°	868.7	846.7	824.6	816.1	807.2	798.1	788.5	758.5	728.5	698.5	668.4
-90°	6.4	6.9	7.3	7.8	8.3	8.7	9.2	9.7	10.1	10.6	11.0



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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°	556.5	530.0	503.4	476.8	449.8	422.7	395.7	368.6	337.9	307.2	276.4
87.5°	20.1	21.4	22.4	23.4	22.9	22.4	21.9	21.3	22.2	22.9	23.2
85°	42.6	40.2	38.3	36.9	34.8	32.1	31.0	30.0	31.3	32.0	32.2
82.5°	77.2	70.5	64.2	59.1	57.6	55.1	51.6	47.4	45.0	41.9	41.2
80°	103.6	94.8	86.5	79.8	78.9	78.2	74.6	70.1	66.3	61.8	56.3
77.5°	131.4	119.3	107.3	98.6	95.8	93.4	91.4	90.6	87.7	81.6	74.3
75°	160.5	146.4	132.3	122.6	117.1	108.4	104.6	105.0	108.1	101.8	92.4
72.5°	190.3	175.4	158.9	149.4	146.4	138.7	126.0	121.2	129.1	126.4	112.7
70°	217.1	204.9	188.8	184.7	180.9	170.8	159.0	155.7	152.2	152.0	140.0
67.5°	241.6	230.7	216.7	222.5	222.0	212.7	194.6	196.3	195.1	179.4	168.1
65°	249.3	250.0	246.9	262.5	265.9	257.6	240.4	243.1	239.8	224.3	197.2
62.5°	257.1	264.2	276.4	304.9	313.6	307.0	291.6	301.6	289.2	270.6	237.6
60°	266.0	279.2	313.0	348.8	364.4	360.2	356.8	363.8	351.7	318.5	283.1
57.5°	295.1	301.0	361.3	402.5	420.0	418.1	429.9	436.6	417.2	378.8	330.4
55°	342.9	365.8	433.3	471.1	487.0	481.9	514.1	518.0	488.4	444.0	381.0
52.5°	436.9	489.4	547.5	568.0	570.5	571.4	615.3	605.4	572.9	511.4	444.7
50°	647.7	693.8	724.6	712.5	674.3	707.1	728.9	715.4	661.9	584.9	511.2
47.5°	1092.4	1073.3	994.1	907.7	838.5	866.9	879.8	836.8	755.4	670.8	579.2
45°	1777.3	1619.1	1406.0	1220.9	1074.0	1090.2	1057.5	968.0	876.2	763.6	648.5
42.5°	2522.1	2283.5	2012.3	1575.6	1436.9	1350.1	1254.8	1144.5	1004.2	859.4	727.0
40°	3396.6	2985.7	2671.9	2201.1	1823.6	1634.0	1508.6	1340.7	1138.3	963.9	812.3
37.5°	4223.1	3720.1	3326.9	2791.2	2250.1	1993.2	1783.9	1550.7	1281.8	1080.5	898.7
35°	4987.1	4433.4	3885.8	3323.6	2758.3	2353.8	2074.8	1785.0	1448.9	1196.1	986.1
32.5°	5734.4	5091.0	4454.8	3825.5	3225.3	2714.7	2391.5	1991.4	1609.2	1310.4	1074.1
30°	6502.9	5752.2	5021.4	4311.3	3660.2	3116.8	2677.2	2184.8	1762.4	1423.1	1164.1
27.5°	7274.4	6404.6	5589.6	4811.6	4091.9	3485.0	2895.5	2365.1	1908.3	1540.9	1258.0
25°	8065.3	7092.3	6176.0	5311.7	4506.0	3768.4	3104.9	2533.1	2057.3	1664.9	1349.4
22.5°	8869.2	7789.7	6746.9	5799.0	4849.7	4053.9	3324.3	2709.5	2201.0	1782.3	1438.0
20°	9625.9	8476.7	7281.0	6190.2	5189.2	4349.4	3557.7	2876.0	2333.4	1892.8	1523.4
17.5°	10355.5	9094.7	7755.4	6573.2	5518.1	4621.0	3785.2	3031.9	2454.6	1996.2	1605.3
15°	11110.6	9636.2	8214.4	6925.4	5818.2	4868.5	4004.4	3176.5	2564.7	2092.4	1674.2
12.5°	11786.5	10162.3	8642.9	7245.1	6088.6	5091.9	4212.8	3309.0	2663.8	2177.2	1728.0
10°	12388.1	10664.0	9036.0	7530.7	6329.0	5291.4	4407.7	3444.1	2780.4	2253.4	1777.9
7.5°	12914.6	11131.5	9388.3	7780.8	6540.9	5457.0	4555.3	3598.0	2895.8	2324.0	1823.4
5°	13347.7	11518.3	9726.8	8069.4	6736.9	5591.6	4668.4	3738.8	3004.6	2388.2	1863.9
2.5°	13630.2	11781.8	10029.9	8337.6	6904.8	5705.4	4754.4	3865.5	3104.8	2445.1	1898.7
0°	13838.8	11975.7	10275.9	8566.9	7041.3	5796.3	4817.1	3977.2	3194.3	2493.8	1927.2
-2.5°	14107.5	12165.6	10429.4	8748.7	7232.2	5957.4	4923.6	4047.9	3257.1	2554.6	1974.5
-5°	14292.6	12289.9	10529.4	8885.4	7386.4	6090.0	5008.8	4102.4	3307.4	2606.0	2014.6
-7.5°	14422.0	12390.3	10596.2	8976.1	7502.3	6190.3	5070.6	4140.5	3345.3	2647.5	2046.8
-10°	14471.6	12444.4	10632.2	9003.0	7538.8	6237.8	5107.1	4162.1	3371.0	2678.7	2070.9
-12.5°	14432.3	12418.6	10604.6	8981.1	7527.5	6236.7	5120.9	4179.1	3385.5	2699.2	2086.6
-15°	14303.1	12309.8	10511.2	8909.8	7475.2	6204.8	5111.7	4183.2	3391.5	2706.2	2093.4
-17.5°	14072.9	12115.7	10350.6	8788.7	7381.1	6141.8	5079.7	4167.7	3382.6	2698.4	2088.6
-20°	13747.7	11860.8	10131.5	8617.8	7244.9	6047.7	5024.8	4132.2	3358.4	2678.7	2073.2



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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°	13359.3	11571.1	9921.1	8425.3	7085.8	5922.7	4947.1	4076.2	3318.7	2646.7	2049.6
-25°	12904.7	11231.8	9655.2	8215.6	6919.4	5812.2	4857.8	3999.6	3263.3	2602.4	2017.6
-27.5°	12454.1	10854.6	9329.0	7964.2	6742.0	5678.0	4756.0	3924.5	3196.3	2545.5	1977.5
-30°	11982.0	10444.0	8998.6	7689.0	6529.6	5525.5	4630.2	3831.5	3122.3	2485.7	1929.2
-32.5°	11431.1	9968.8	8638.9	7421.9	6317.6	5341.3	4480.9	3720.0	3033.3	2421.8	1883.0
-35°	10826.1	9490.6	8244.3	7117.5	6081.5	5154.3	4321.2	3589.9	2929.2	2348.4	1833.1
-37.5°	10183.1	8981.9	7874.7	6795.3	5805.7	4940.5	4160.4	3454.9	2810.3	2265.9	1776.3
-40°	9584.2	8458.7	7431.3	6454.0	5531.3	4700.3	3979.6	3312.8	2698.8	2174.3	1712.7
-42.5°	8944.4	7934.5	6978.5	6063.9	5240.6	4478.7	3782.6	3157.3	2588.3	2087.4	1642.6
-45°	8331.4	7388.9	6504.8	5696.4	4931.2	4236.6	3595.6	2992.7	2464.6	1999.4	1570.9
-47.5°	7693.3	6845.7	6045.5	5302.7	4639.4	3985.2	3394.7	2837.6	2328.0	1904.0	1499.1
-50°	7076.1	6307.3	5589.2	4929.4	4312.9	3749.3	3185.4	2666.9	2205.5	1797.3	1420.3
-52.5°	6453.8	5784.0	5146.3	4549.5	4009.9	3499.3	2975.6	2484.9	2072.3	1689.4	1334.6
-55°	5847.4	5280.3	4708.9	4185.7	3698.2	3234.9	2749.0	2321.0	1928.9	1576.8	1244.2
-57.5°	5281.5	4777.9	4291.6	3823.2	3377.9	2949.0	2534.7	2145.7	1786.8	1456.7	1163.8
-60°	4723.0	4305.6	3874.9	3455.7	3048.5	2674.0	2323.4	1965.1	1639.2	1334.2	1075.8
-62.5°	4209.7	3833.0	3461.8	3080.3	2734.8	2414.7	2104.3	1786.7	1483.7	1223.0	982.0
-65°	3709.3	3378.0	3042.7	2736.1	2436.7	2152.8	1888.1	1599.6	1342.1	1106.4	890.5
-67.5°	3220.7	2945.2	2671.5	2397.2	2147.7	1904.7	1662.2	1426.7	1199.9	984.7	811.9
-70°	2778.3	2533.6	2309.1	2090.9	1870.7	1655.5	1460.4	1256.3	1052.3	887.1	730.2
-72.5°	2356.8	2165.8	1976.8	1787.0	1610.7	1434.9	1259.8	1088.5	934.6	787.0	645.9
-75°	1961.2	1813.3	1668.8	1520.7	1365.1	1212.3	1081.0	950.2	814.3	683.8	574.8
-77.5°	1617.0	1495.3	1374.1	1261.4	1143.4	1028.9	918.1	808.2	698.2	600.3	507.2
-80°	1296.5	1208.2	1119.9	1030.4	934.8	842.6	764.8	686.5	599.9	517.0	438.1
-82.5°	1003.1	943.0	884.8	825.3	760.6	696.5	633.1	569.8	499.5	432.0	380.1
-85°	788.6	742.4	695.5	648.0	598.2	549.0	512.6	475.8	432.1	388.9	346.1
-87.5°	638.9	609.2	579.3	549.1	517.7	486.1	454.4	422.5	385.3	348.3	311.5
-90°	11.5	11.9	12.4	12.8	12.8	12.8	12.8	12.8	13.3	13.8	14.2



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
90°	245.7	203.5	161.4	119.2	77.0	44.9	12.8
87.5°	23.2	22.5	21.5	20.3	18.7	16.3	12.8
85°	31.8	30.4	28.4	25.8	22.7	18.9	12.8
82.5°	40.4	38.2	35.2	31.4	26.7	21.4	12.8
80°	49.9	46.1	42.1	36.9	30.7	24.0	12.8
77.5°	66.4	57.1	48.9	42.4	34.7	26.5	12.8
75°	83.3	74.0	57.4	47.9	38.8	29.0	12.8
72.5°	100.6	91.2	73.3	53.4	42.8	31.5	12.8
70°	119.7	108.6	89.3	60.4	46.9	34.0	12.8
67.5°	149.0	126.3	105.4	73.9	51.1	36.5	12.8
65°	179.1	149.5	121.6	87.4	55.2	38.9	12.8
62.5°	210.0	178.3	137.9	100.9	59.4	41.4	12.8
60°	241.9	207.5	154.4	114.3	63.6	43.8	12.8
57.5°	285.7	237.2	179.5	127.7	73.4	46.2	12.8
55°	331.8	267.3	205.2	141.0	83.1	48.5	12.8
52.5°	378.8	299.6	230.9	154.2	92.6	50.9	12.8
50°	426.6	340.8	256.6	167.3	102.0	53.2	12.8
47.5°	476.7	382.1	282.4	182.0	111.1	55.4	12.8
45°	536.8	423.6	308.1	201.5	120.1	57.6	12.8
42.5°	597.2	465.2	333.8	220.6	128.9	59.7	12.8
40°	658.0	506.8	363.0	239.5	137.4	61.8	12.8
37.5°	718.9	548.3	395.3	258.0	145.7	63.9	12.8
35°	779.9	594.7	427.0	275.8	153.8	65.9	12.8
32.5°	844.0	643.1	458.2	293.0	161.5	67.8	12.8
30°	915.4	690.7	488.6	309.5	169.0	69.6	12.8
27.5°	985.9	737.2	516.3	325.2	176.1	71.4	12.8
25°	1055.2	782.6	542.5	340.2	182.8	73.1	12.8
22.5°	1123.1	824.6	567.3	354.4	189.3	74.7	12.8
20°	1189.1	859.4	590.6	367.7	195.3	76.2	12.8
17.5°	1240.9	891.7	612.4	380.1	200.9	77.6	12.8
15°	1281.2	921.2	632.6	391.6	206.1	78.9	12.8
12.5°	1316.8	948.0	651.0	402.1	210.9	80.1	12.8
10°	1347.7	971.9	667.7	411.5	215.2	81.2	12.8
7.5°	1374.0	992.9	682.5	419.9	219.0	82.1	12.8
5°	1395.5	1011.0	695.4	427.1	222.3	83.0	12.8
2.5°	1412.5	1026.0	706.3	433.3	225.1	83.7	12.8
0°	1424.8	1037.9	715.1	438.2	227.4	84.3	12.8
-2.5°	1459.1	1057.2	726.8	444.8	230.9	86.0	12.8
-5°	1488.3	1073.3	736.3	450.2	233.8	87.5	12.8
-7.5°	1512.2	1085.8	743.4	454.3	236.2	88.8	12.8
-10°	1530.1	1094.7	748.2	457.1	238.0	90.0	12.8
-12.5°	1541.7	1099.9	750.5	458.5	239.2	91.1	12.8
-15°	1546.7	1101.1	750.2	458.5	239.9	92.0	12.8
-17.5°	1544.7	1098.2	747.4	457.2	239.9	92.8	12.8
-20°	1536.1	1091.2	741.8	454.4	239.3	93.3	12.8



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**CANDELA DISTRIBUTION (continued):**

	75°	77.5°	80°	82.5°	85°	87.5°	90°
-22.5°	1522.6	1080.0	733.6	450.2	238.2	93.7	12.8
-25°	1503.1	1068.9	722.7	444.5	236.5	94.0	12.8
-27.5°	1477.7	1055.2	709.0	437.3	234.1	94.1	12.8
-30°	1446.3	1036.9	693.0	428.7	231.2	94.0	12.8
-32.5°	1409.0	1013.9	678.4	418.7	227.7	93.7	12.8
-35°	1374.3	986.4	660.9	407.2	223.5	93.2	12.8
-37.5°	1337.1	956.9	640.5	394.2	218.9	92.6	12.8
-40°	1293.8	928.4	617.2	379.9	213.6	91.8	12.8
-42.5°	1244.7	896.0	595.5	365.0	207.8	90.9	12.8
-45°	1189.6	859.8	576.0	350.4	201.4	89.7	12.8
-47.5°	1128.9	819.8	554.2	334.2	194.5	88.4	12.8
-50°	1073.7	776.1	530.2	322.8	187.1	87.0	12.8
-52.5°	1015.7	728.8	504.0	312.1	179.2	85.3	12.8
-55°	953.1	689.9	475.6	300.3	170.8	83.6	12.8
-57.5°	886.2	650.4	445.2	287.4	161.9	81.6	12.8
-60°	817.4	608.2	413.5	273.3	152.6	79.5	12.8
-62.5°	761.1	563.4	391.5	258.3	147.8	77.3	12.8
-65°	701.7	516.1	368.0	242.2	142.6	74.9	12.8
-67.5°	639.2	474.3	343.0	225.2	137.2	72.4	12.8
-70°	574.1	438.2	316.7	207.4	131.4	69.8	12.8
-72.5°	522.3	400.4	289.1	196.3	125.4	67.0	12.8
-75°	470.7	360.9	260.4	186.4	119.1	64.1	12.8
-77.5°	417.2	320.1	243.0	176.2	112.6	61.2	12.8
-80°	362.0	292.0	227.6	165.5	105.9	58.1	12.8
-82.5°	331.4	270.8	211.7	154.4	98.9	54.9	12.8
-85°	303.5	248.9	195.4	142.9	91.8	51.6	12.8
-87.5°	274.9	226.4	178.5	131.2	84.4	48.3	12.8
-90°	14.7	14.7	14.7	14.7	14.7	13.8	12.8

(END OF REPORT)