

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P628381

Luminaire Tested: **IFLD-L-SA8D-827-U-LAM**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P628381
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-827-U-LAM
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/
Lambertian distribution lens
Light Source: (128) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

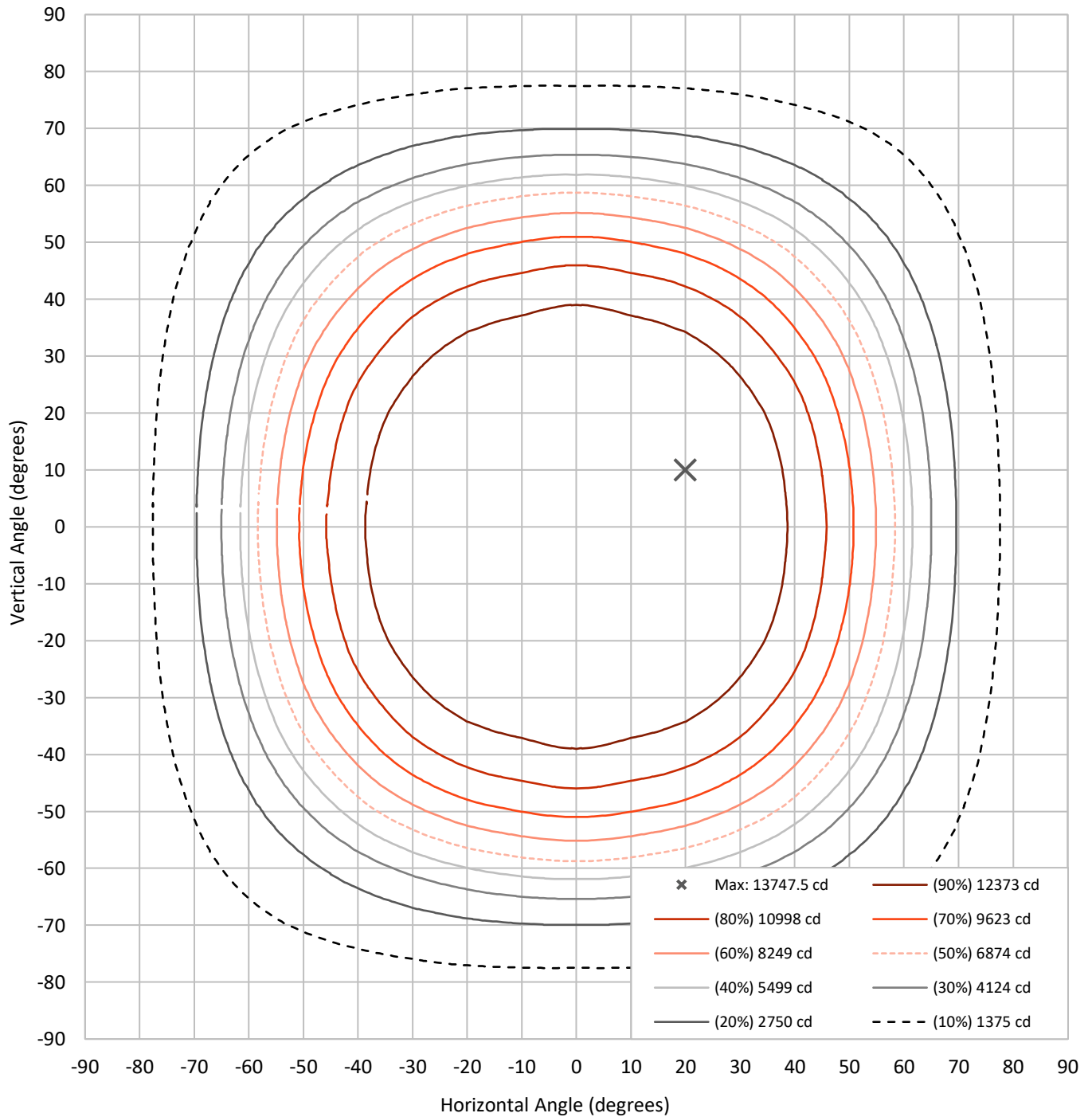
| | | | |
|-------------------|------------------------------------|----------------------|-----------------|
| Lumens per Lamp: | N/A | NEMA Type: | 7H x 7V |
| Luminaire Lumens: | 42175.5 lumens | Max Intensity: | 13747.5 candela |
| Efficiency: | N/A | Max Intensity Angle: | 20°H x 10°V |
| Efficacy: | 86.4 lumens/watt | | |
| Luminous Opening: | Rectangular (W 2' x L: 1' x H: 0') | | |
| Beam Angle (50%): | 115.7°H x 112.9°V | Field Angle (10%): | 154.7°H x 154°V |
| Beam Lumens: | 25879.8 lumens | Field Lumens: | 31025.4 lumens |
| Beam Efficiency: | 61.4% | Field Efficiency: | 73.6% |

Input Watts (W): 488.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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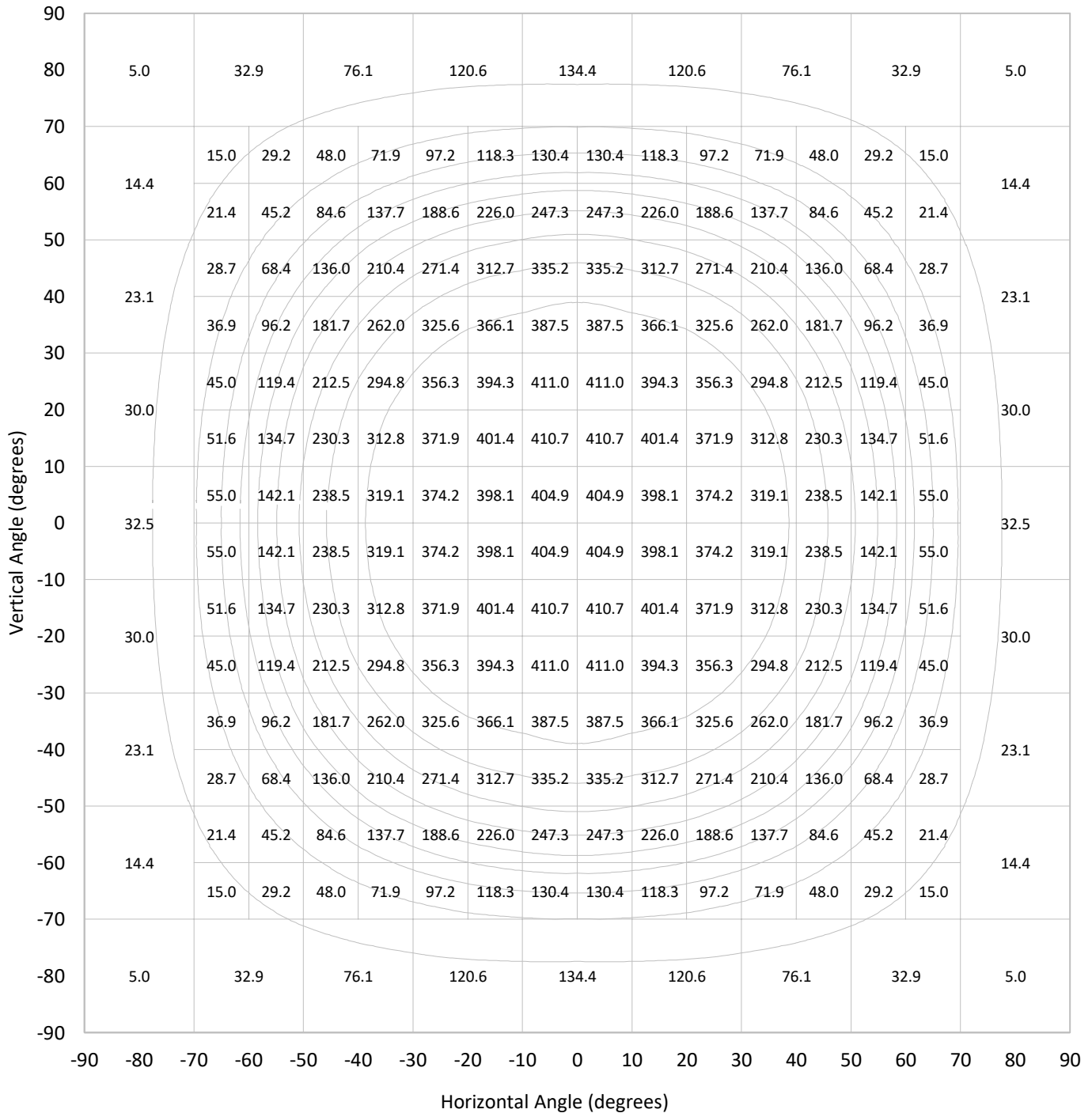
Iso-Candela Plot





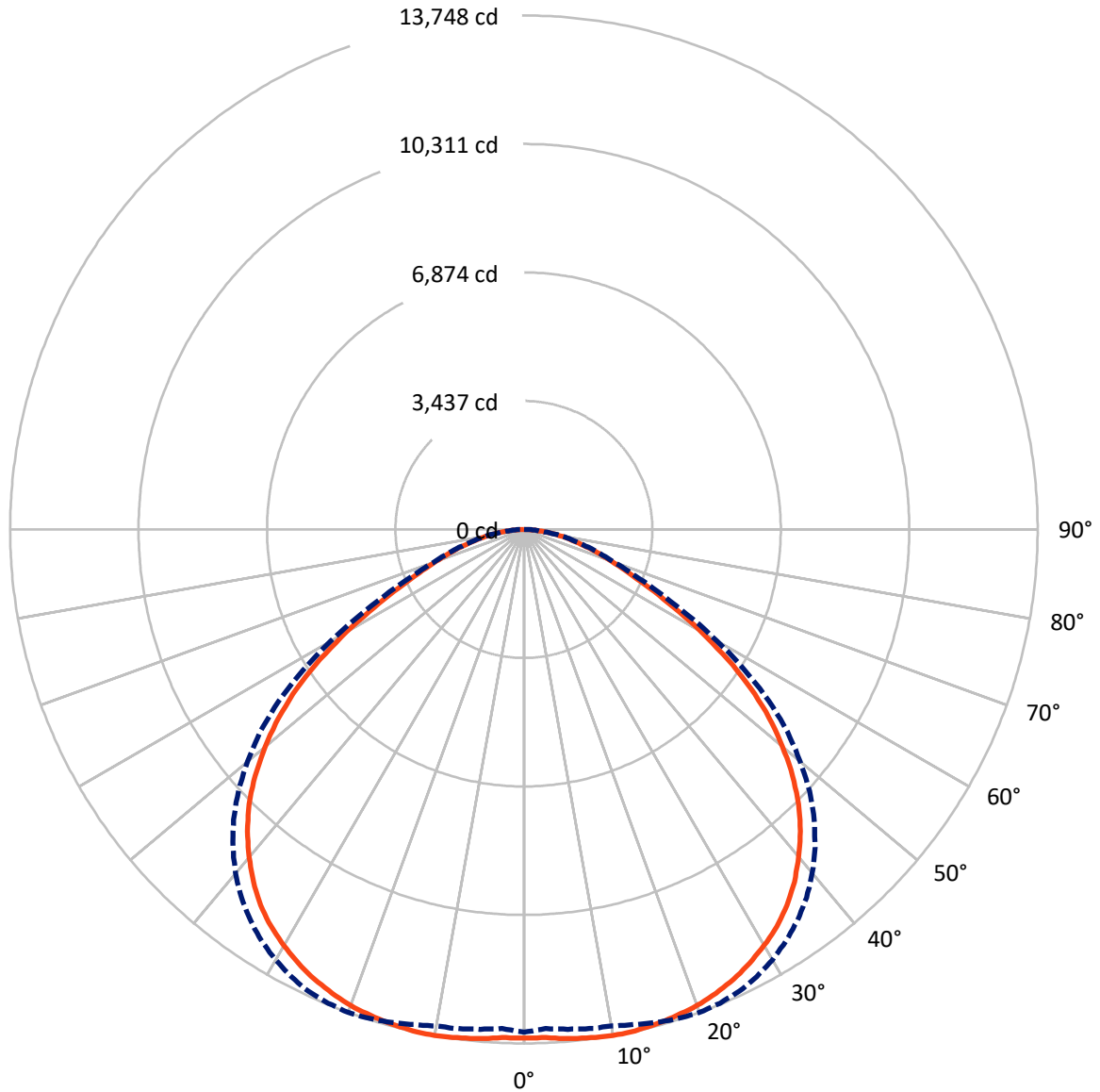
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Lumen Table



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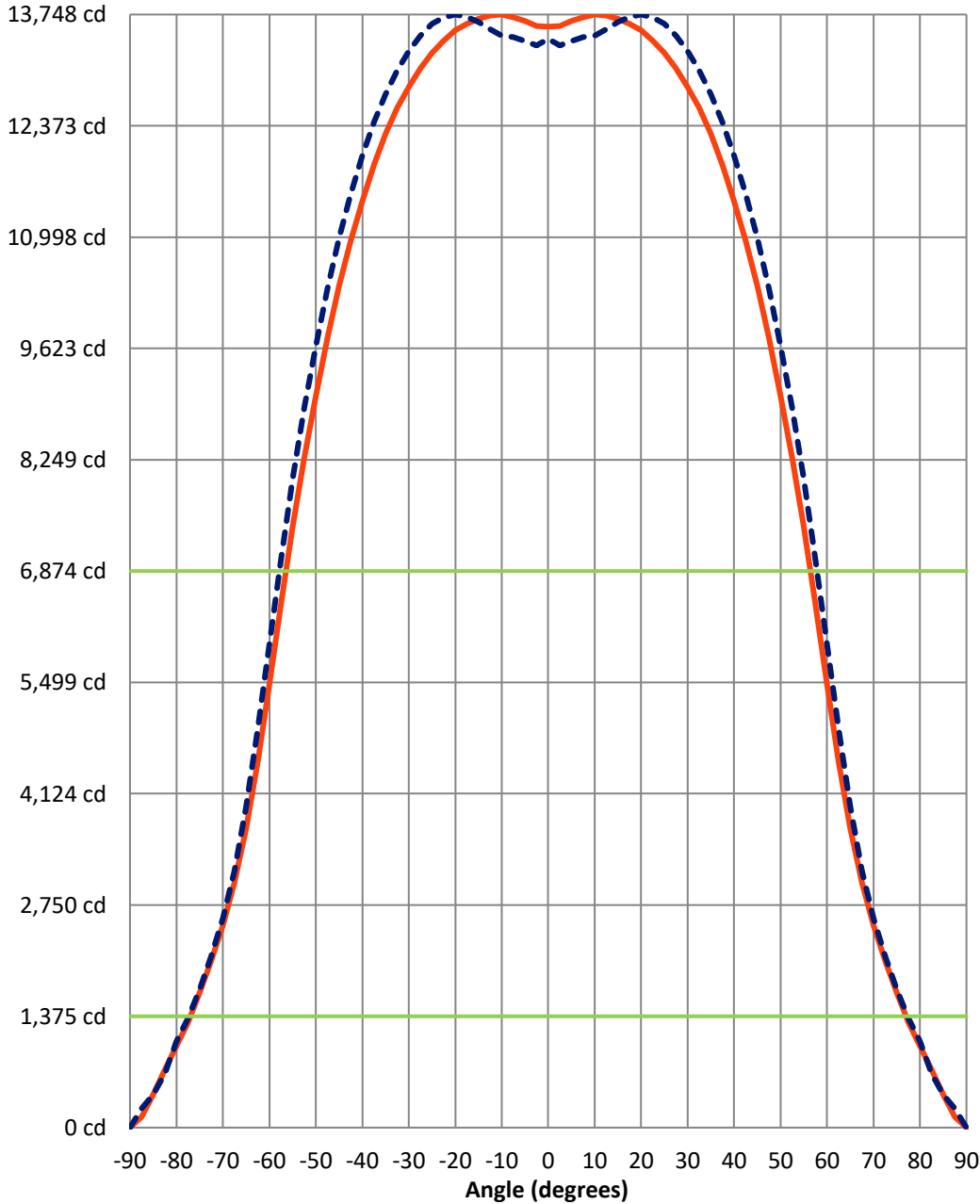
Luminous Intensity Polar Plot



— Vertical Distribution Through 20-Deg - - - Horizontal Distribution Through 10-Deg

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Luminous Intensity Plot



Beam:
 H Angle: 115.7°
 V Angle: 112.9°
 Lumens: 25879.8
 Efficiency: 61.4%

Field:
 H Angle: 154.7°
 V Angle: 154°
 Lumens: 31025.4
 Efficiency: 73.6%

Spill:
 Lumens: 11150.1
 Efficiency: 26.4%

- Vertical Distribution through 20-Deg
- - - Horizontal Distribution through 10-Deg



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FIELD
 BEAM

CANDELA DISTRIBUTION:

| | 0° | 2.5° | 5° | 7.5° | 10° | 12.5° | 15° | 17.5° | 20° | 22.5° | 25° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 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° | 110.9 | 119.8 | 124.3 | 128.7 | 133.1 | 137.6 | 142.0 | 137.6 | 133.1 | 133.1 | 128.7 |
| 85° | 297.3 | 306.2 | 310.6 | 341.7 | 372.8 | 390.5 | 412.7 | 408.3 | 408.3 | 403.8 | 399.4 |
| 82.5° | 594.6 | 621.3 | 643.4 | 674.5 | 692.3 | 718.9 | 736.6 | 723.3 | 714.4 | 696.7 | 683.4 |
| 80° | 1056.1 | 1065.0 | 1069.4 | 1073.9 | 1051.7 | 1047.3 | 1038.4 | 1025.1 | 1007.3 | 985.1 | 962.9 |
| 77.5° | 1344.6 | 1353.5 | 1362.3 | 1353.5 | 1349.0 | 1344.6 | 1331.3 | 1318.0 | 1300.2 | 1282.5 | 1255.8 |
| 75° | 1779.5 | 1779.5 | 1779.5 | 1766.1 | 1757.3 | 1744.0 | 1721.8 | 1699.6 | 1668.5 | 1633.0 | 1593.1 |
| 72.5° | 2241.0 | 2236.5 | 2232.1 | 2205.5 | 2183.3 | 2156.6 | 2125.6 | 2099.0 | 2063.5 | 2023.5 | 1970.3 |
| 70° | 2724.7 | 2733.5 | 2738.0 | 2702.5 | 2675.8 | 2640.3 | 2600.4 | 2551.6 | 2498.3 | 2440.7 | 2365.2 |
| 67.5° | 3390.3 | 3381.4 | 3372.5 | 3323.7 | 3288.2 | 3239.4 | 3181.7 | 3110.7 | 3030.8 | 2942.1 | 2835.6 |
| 65° | 4215.7 | 4229.0 | 4202.4 | 4153.5 | 4087.0 | 4007.1 | 3918.4 | 3816.3 | 3696.5 | 3563.4 | 3412.5 |
| 62.5° | 5214.1 | 5236.3 | 5205.2 | 5143.1 | 5058.8 | 4952.3 | 4828.1 | 4681.6 | 4517.4 | 4331.0 | 4144.7 |
| 60° | 6350.1 | 6345.7 | 6288.0 | 6203.7 | 6092.8 | 5959.6 | 5822.1 | 5662.3 | 5475.9 | 5258.5 | 5032.2 |
| 57.5° | 7393.0 | 7384.1 | 7313.1 | 7228.8 | 7117.8 | 6975.8 | 6829.4 | 6660.8 | 6465.5 | 6234.8 | 5972.9 |
| 55° | 8329.3 | 8320.4 | 8249.4 | 8160.7 | 8045.3 | 7903.3 | 7770.1 | 7610.4 | 7419.6 | 7175.5 | 6895.9 |
| 52.5° | 9159.1 | 9163.5 | 9101.4 | 9003.8 | 8879.5 | 8742.0 | 8613.3 | 8453.5 | 8271.6 | 8027.5 | 7756.8 |
| 50° | 9922.4 | 9917.9 | 9851.4 | 9762.6 | 9647.2 | 9514.1 | 9385.4 | 9225.7 | 9034.8 | 8799.7 | 8537.8 |
| 47.5° | 10632.4 | 10623.5 | 10548.1 | 10450.4 | 10330.6 | 10215.2 | 10095.4 | 9953.4 | 9753.7 | 9518.5 | 9256.7 |
| 45° | 11227.0 | 11209.2 | 11133.8 | 11040.6 | 10925.2 | 10823.2 | 10716.7 | 10610.2 | 10397.2 | 10179.7 | 9931.2 |
| 42.5° | 11737.3 | 11732.9 | 11657.4 | 11564.3 | 11448.9 | 11360.1 | 11262.5 | 11129.4 | 10951.9 | 10752.2 | 10508.1 |
| 40° | 12225.4 | 12189.9 | 12114.5 | 12025.8 | 11919.3 | 11843.8 | 11746.2 | 11613.1 | 11440.0 | 11244.7 | 11009.6 |
| 37.5° | 12589.3 | 12593.8 | 12513.9 | 12416.3 | 12323.1 | 12252.1 | 12163.3 | 12039.1 | 11888.2 | 11697.4 | 11462.2 |
| 35° | 12935.5 | 12913.3 | 12846.7 | 12762.4 | 12678.1 | 12598.2 | 12505.0 | 12398.5 | 12274.3 | 12096.8 | 11874.9 |
| 32.5° | 13161.8 | 13192.8 | 13113.0 | 13024.2 | 12975.4 | 12913.3 | 12815.6 | 12704.7 | 12593.8 | 12416.3 | 12216.6 |
| 30° | 13410.3 | 13383.6 | 13321.5 | 13246.1 | 13210.6 | 13170.6 | 13086.3 | 12979.8 | 12851.1 | 12691.4 | 12505.0 |
| 27.5° | 13583.3 | 13570.0 | 13494.6 | 13423.6 | 13405.8 | 13370.3 | 13303.8 | 13210.6 | 13081.9 | 12926.6 | 12753.5 |
| 25° | 13658.8 | 13667.6 | 13596.6 | 13556.7 | 13556.7 | 13534.5 | 13481.3 | 13401.4 | 13272.7 | 13130.7 | 12962.1 |
| 22.5° | 13694.3 | 13685.4 | 13636.6 | 13627.7 | 13649.9 | 13632.1 | 13610.0 | 13539.0 | 13423.6 | 13308.2 | 13166.2 |
| 20° | 13716.5 | 13654.3 | 13610.0 | 13645.5 | 13672.1 | 13667.6 | 13649.9 | 13605.5 | 13552.3 | 13454.6 | 13330.4 |
| 17.5° | 13667.6 | 13627.7 | 13574.5 | 13627.7 | 13685.4 | 13689.8 | 13672.1 | 13645.5 | 13632.1 | 13570.0 | 13459.1 |
| 15° | 13547.8 | 13516.8 | 13525.6 | 13578.9 | 13645.5 | 13667.6 | 13681.0 | 13712.0 | 13694.3 | 13645.5 | 13547.8 |
| 12.5° | 13468.0 | 13428.0 | 13468.0 | 13521.2 | 13556.7 | 13570.0 | 13676.5 | 13734.2 | 13734.2 | 13689.8 | 13627.7 |
| 10° | 13445.8 | 13365.9 | 13419.1 | 13468.0 | 13485.7 | 13565.6 | 13654.3 | 13716.5 | 13747.5 | 13712.0 | 13632.1 |
| 7.5° | 13401.4 | 13348.1 | 13370.3 | 13392.5 | 13494.6 | 13552.3 | 13601.1 | 13667.6 | 13712.0 | 13707.6 | 13636.6 |
| 5° | 13379.2 | 13312.6 | 13321.5 | 13414.7 | 13485.7 | 13525.6 | 13543.4 | 13601.1 | 13667.6 | 13681.0 | 13627.7 |
| 2.5° | 13321.5 | 13290.5 | 13357.0 | 13365.9 | 13419.1 | 13450.2 | 13468.0 | 13521.2 | 13605.5 | 13636.6 | 13614.4 |
| 0° | 13290.5 | 13246.1 | 13201.7 | 13237.2 | 13326.0 | 13392.5 | 13419.1 | 13499.0 | 13596.6 | 13627.7 | 13578.9 |



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CANDELA DISTRIBUTION (continued):

| | 27.5° | 30° | 32.5° | 35° | 37.5° | 40° | 42.5° | 45° | 47.5° | 50° | 52.5° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|--------|
| 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° | 124.3 | 119.8 | 115.4 | 110.9 | 115.4 | 115.4 | 115.4 | 110.9 | 115.4 | 110.9 | 110.9 |
| 85° | 386.1 | 368.3 | 355.0 | 337.3 | 319.5 | 306.2 | 288.4 | 270.7 | 266.3 | 261.8 | 252.9 |
| 82.5° | 665.6 | 643.4 | 621.3 | 594.6 | 568.0 | 536.9 | 505.9 | 470.4 | 461.5 | 452.6 | 439.3 |
| 80° | 936.3 | 905.3 | 874.2 | 843.1 | 816.5 | 785.4 | 749.9 | 710.0 | 683.4 | 661.2 | 634.6 |
| 77.5° | 1220.3 | 1176.0 | 1131.6 | 1078.3 | 1047.3 | 1016.2 | 980.7 | 940.8 | 900.8 | 865.3 | 825.4 |
| 75° | 1544.3 | 1495.5 | 1451.1 | 1397.8 | 1340.1 | 1282.5 | 1224.8 | 1171.5 | 1113.8 | 1060.6 | 1007.3 |
| 72.5° | 1903.7 | 1832.7 | 1761.7 | 1695.1 | 1624.1 | 1553.1 | 1477.7 | 1406.7 | 1335.7 | 1264.7 | 1189.3 |
| 70° | 2280.9 | 2192.1 | 2103.4 | 2014.6 | 1921.5 | 1828.3 | 1739.5 | 1650.8 | 1562.0 | 1468.8 | 1384.5 |
| 67.5° | 2724.7 | 2622.6 | 2507.2 | 2383.0 | 2245.4 | 2125.6 | 2010.2 | 1903.7 | 1797.2 | 1690.7 | 1584.2 |
| 65° | 3279.3 | 3137.3 | 2982.0 | 2813.4 | 2653.7 | 2493.9 | 2325.3 | 2165.5 | 2041.3 | 1917.0 | 1797.2 |
| 62.5° | 3962.7 | 3763.0 | 3545.6 | 3328.2 | 3132.9 | 2924.3 | 2729.1 | 2520.5 | 2325.3 | 2147.8 | 2001.3 |
| 60° | 4779.2 | 4508.5 | 4242.3 | 3962.7 | 3692.0 | 3408.0 | 3159.5 | 2902.2 | 2658.1 | 2440.7 | 2227.6 |
| 57.5° | 5680.1 | 5365.0 | 5045.5 | 4703.8 | 4335.5 | 4002.7 | 3665.4 | 3328.2 | 3039.7 | 2751.3 | 2511.7 |
| 55° | 6594.2 | 6261.4 | 5901.9 | 5515.9 | 5112.1 | 4686.1 | 4229.0 | 3851.8 | 3456.8 | 3119.6 | 2809.0 |
| 52.5° | 7464.0 | 7117.8 | 6745.1 | 6390.1 | 5906.4 | 5418.2 | 4916.8 | 4419.8 | 3958.3 | 3527.9 | 3150.7 |
| 50° | 8240.5 | 7903.3 | 7543.8 | 7131.1 | 6682.9 | 6163.8 | 5604.6 | 5045.5 | 4499.7 | 3993.8 | 3523.4 |
| 47.5° | 8950.5 | 8622.2 | 8262.7 | 7850.0 | 7441.8 | 6864.9 | 6301.3 | 5684.5 | 5076.6 | 4495.2 | 3945.0 |
| 45° | 9616.2 | 9283.4 | 8910.6 | 8515.7 | 8045.3 | 7530.5 | 6949.2 | 6327.9 | 5675.6 | 5023.3 | 4388.7 |
| 42.5° | 10219.7 | 9886.9 | 9509.7 | 9101.4 | 8635.5 | 8125.2 | 7561.6 | 6935.9 | 6279.1 | 5569.1 | 4872.4 |
| 40° | 10747.7 | 10423.8 | 10059.9 | 9633.9 | 9199.0 | 8662.1 | 8107.4 | 7512.8 | 6833.8 | 6119.4 | 5351.7 |
| 37.5° | 11209.2 | 10907.5 | 10548.1 | 10126.5 | 9665.0 | 9185.7 | 8613.3 | 8018.6 | 7406.3 | 6629.7 | 5844.3 |
| 35° | 11617.5 | 11337.9 | 10969.6 | 10570.2 | 10117.6 | 9611.7 | 9074.8 | 8493.5 | 7832.3 | 7104.5 | 6341.3 |
| 32.5° | 11972.5 | 11688.5 | 11351.2 | 10951.9 | 10512.6 | 10037.7 | 9487.5 | 8901.7 | 8276.0 | 7535.0 | 6705.1 |
| 30° | 12274.3 | 11999.1 | 11679.6 | 11302.4 | 10880.9 | 10410.5 | 9873.5 | 9283.4 | 8644.3 | 7907.7 | 7086.8 |
| 27.5° | 12536.1 | 12274.3 | 11963.6 | 11613.1 | 11209.2 | 10756.6 | 10215.2 | 9620.6 | 8968.3 | 8258.3 | 7437.3 |
| 25° | 12762.4 | 12509.4 | 12221.0 | 11888.2 | 11488.8 | 11045.1 | 10534.7 | 9913.5 | 9261.2 | 8546.7 | 7734.6 |
| 22.5° | 12966.5 | 12722.5 | 12434.0 | 12110.1 | 11746.2 | 11302.4 | 10787.7 | 10170.9 | 9509.7 | 8804.1 | 8005.3 |
| 20° | 13148.5 | 12922.1 | 12638.1 | 12305.3 | 11941.4 | 11493.2 | 10982.9 | 10397.2 | 9731.5 | 9039.3 | 8249.4 |
| 17.5° | 13294.9 | 13095.2 | 12811.2 | 12460.6 | 12096.8 | 11661.9 | 11164.9 | 10627.9 | 9922.4 | 9239.0 | 8453.5 |
| 15° | 13397.0 | 13201.7 | 12944.3 | 12589.3 | 12234.3 | 11803.9 | 11306.9 | 10752.2 | 10095.4 | 9398.7 | 8622.2 |
| 12.5° | 13468.0 | 13259.4 | 13019.8 | 12691.4 | 12336.4 | 11910.4 | 11426.7 | 10880.9 | 10241.9 | 9540.7 | 8768.6 |
| 10° | 13485.7 | 13294.9 | 13055.3 | 12762.4 | 12416.3 | 12003.6 | 11528.8 | 10987.4 | 10361.7 | 9651.7 | 8888.4 |
| 7.5° | 13494.6 | 13312.6 | 13095.2 | 12815.6 | 12473.9 | 12074.6 | 11604.2 | 11071.7 | 10450.4 | 9744.9 | 8977.2 |
| 5° | 13490.1 | 13317.1 | 13121.8 | 12851.1 | 12509.4 | 12114.5 | 11653.0 | 11129.4 | 10512.6 | 9807.0 | 9043.7 |
| 2.5° | 13476.8 | 13321.5 | 13139.6 | 12877.8 | 12549.4 | 12158.9 | 11701.8 | 11195.9 | 10579.1 | 9860.2 | 9097.0 |
| 0° | 13512.3 | 13379.2 | 13148.5 | 12868.9 | 12558.3 | 12158.9 | 11697.4 | 11204.8 | 10588.0 | 9855.8 | 9092.5 |



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CANDELA DISTRIBUTION (continued):

| | 55° | 57.5° | 60° | 62.5° | 65° | 67.5° | 70° | 72.5° | 75° | 77.5° | 80° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 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° | 110.9 | 106.5 | 106.5 | 102.1 | 97.6 | 93.2 | 84.3 | 79.9 | 71.0 | 57.7 | 44.4 |
| 85° | 239.6 | 226.3 | 213.0 | 204.1 | 195.3 | 186.4 | 173.1 | 159.8 | 142.0 | 115.4 | 88.8 |
| 82.5° | 421.6 | 394.9 | 368.3 | 337.3 | 310.6 | 284.0 | 261.8 | 239.6 | 213.0 | 173.1 | 133.1 |
| 80° | 603.5 | 563.6 | 523.6 | 479.3 | 439.3 | 394.9 | 355.0 | 319.5 | 284.0 | 230.8 | 177.5 |
| 77.5° | 785.4 | 732.2 | 674.5 | 621.3 | 563.6 | 505.9 | 448.2 | 399.4 | 346.1 | 284.0 | 221.9 |
| 75° | 954.1 | 891.9 | 838.7 | 763.3 | 692.3 | 616.8 | 541.4 | 474.8 | 408.3 | 332.8 | 266.3 |
| 72.5° | 1122.7 | 1042.8 | 967.4 | 896.4 | 816.5 | 723.3 | 639.0 | 554.7 | 470.4 | 381.6 | 301.8 |
| 70° | 1291.3 | 1193.7 | 1100.5 | 1016.2 | 927.4 | 834.3 | 732.2 | 634.6 | 532.5 | 426.0 | 332.8 |
| 67.5° | 1464.4 | 1353.5 | 1247.0 | 1140.4 | 1038.4 | 931.9 | 825.4 | 714.4 | 594.6 | 470.4 | 368.3 |
| 65° | 1655.2 | 1517.6 | 1389.0 | 1269.1 | 1149.3 | 1033.9 | 914.1 | 794.3 | 661.2 | 519.2 | 399.4 |
| 62.5° | 1846.0 | 1695.1 | 1544.3 | 1393.4 | 1260.3 | 1131.6 | 1002.9 | 869.8 | 723.3 | 572.4 | 430.4 |
| 60° | 2050.1 | 1877.1 | 1704.0 | 1535.4 | 1371.2 | 1229.2 | 1087.2 | 945.2 | 789.9 | 621.3 | 461.5 |
| 57.5° | 2276.5 | 2067.9 | 1872.6 | 1681.8 | 1495.5 | 1326.8 | 1171.5 | 1020.6 | 847.6 | 670.1 | 497.0 |
| 55° | 2533.8 | 2276.5 | 2045.7 | 1832.7 | 1628.6 | 1424.5 | 1255.8 | 1100.5 | 914.1 | 718.9 | 536.9 |
| 52.5° | 2804.5 | 2507.2 | 2227.6 | 1988.0 | 1770.6 | 1539.8 | 1335.7 | 1162.6 | 980.7 | 767.7 | 572.4 |
| 50° | 3119.6 | 2742.4 | 2431.8 | 2138.9 | 1894.8 | 1655.2 | 1420.0 | 1233.6 | 1047.3 | 825.4 | 607.9 |
| 47.5° | 3443.5 | 3026.4 | 2635.9 | 2316.4 | 2028.0 | 1766.1 | 1517.6 | 1295.8 | 1109.4 | 878.6 | 643.4 |
| 45° | 3820.7 | 3297.1 | 2866.7 | 2489.5 | 2156.6 | 1881.5 | 1615.3 | 1362.3 | 1162.6 | 931.9 | 678.9 |
| 42.5° | 4184.6 | 3616.6 | 3106.3 | 2680.3 | 2303.1 | 1992.5 | 1704.0 | 1433.3 | 1215.9 | 985.1 | 710.0 |
| 40° | 4615.1 | 3936.1 | 3337.0 | 2862.2 | 2449.5 | 2099.0 | 1792.8 | 1508.8 | 1264.7 | 1033.9 | 741.1 |
| 37.5° | 5027.7 | 4260.0 | 3616.6 | 3061.9 | 2591.5 | 2205.5 | 1881.5 | 1579.8 | 1309.1 | 1082.8 | 781.0 |
| 35° | 5436.0 | 4619.5 | 3882.9 | 3248.3 | 2738.0 | 2325.3 | 1970.3 | 1646.3 | 1353.5 | 1122.7 | 816.5 |
| 32.5° | 5826.5 | 4956.7 | 4153.5 | 3456.8 | 2897.7 | 2436.2 | 2050.1 | 1708.5 | 1397.8 | 1158.2 | 852.0 |
| 30° | 6190.4 | 5276.2 | 4419.8 | 3669.9 | 3044.2 | 2538.3 | 2125.6 | 1770.6 | 1451.1 | 1189.3 | 887.5 |
| 27.5° | 6523.2 | 5586.9 | 4686.1 | 3869.5 | 3181.7 | 2631.5 | 2205.5 | 1828.3 | 1495.5 | 1220.3 | 918.6 |
| 25° | 6824.9 | 5866.4 | 4930.1 | 4051.5 | 3306.0 | 2733.5 | 2280.9 | 1886.0 | 1535.4 | 1247.0 | 945.2 |
| 22.5° | 7109.0 | 6123.8 | 5152.0 | 4233.4 | 3456.8 | 2835.6 | 2351.9 | 1939.2 | 1575.3 | 1273.6 | 971.8 |
| 20° | 7357.5 | 6359.0 | 5365.0 | 4415.4 | 3590.0 | 2928.8 | 2414.0 | 1988.0 | 1610.8 | 1291.3 | 998.4 |
| 17.5° | 7557.1 | 6567.6 | 5555.8 | 4575.1 | 3705.4 | 3008.7 | 2467.3 | 2032.4 | 1641.9 | 1313.5 | 1016.2 |
| 15° | 7734.6 | 6745.1 | 5715.6 | 4712.7 | 3807.4 | 3075.2 | 2516.1 | 2067.9 | 1668.5 | 1326.8 | 1038.4 |
| 12.5° | 7885.5 | 6895.9 | 5853.1 | 4832.5 | 3896.2 | 3132.9 | 2556.0 | 2094.5 | 1690.7 | 1340.1 | 1051.7 |
| 10° | 8009.8 | 7015.8 | 5968.5 | 4925.7 | 3967.2 | 3177.3 | 2587.1 | 2121.1 | 1708.5 | 1353.5 | 1065.0 |
| 7.5° | 8103.0 | 7104.5 | 6052.8 | 5005.6 | 4024.9 | 3208.3 | 2613.7 | 2138.9 | 1726.2 | 1362.3 | 1087.2 |
| 5° | 8174.0 | 7180.0 | 6119.4 | 5058.8 | 4069.2 | 3252.7 | 2644.8 | 2161.1 | 1744.0 | 1371.2 | 1087.2 |
| 2.5° | 8227.2 | 7242.1 | 6172.6 | 5103.2 | 4104.7 | 3243.8 | 2644.8 | 2156.6 | 1744.0 | 1371.2 | 1082.8 |
| 0° | 8218.3 | 7246.5 | 6168.2 | 5103.2 | 4104.7 | 3235.0 | 2644.8 | 2152.2 | 1744.0 | 1371.2 | 1082.8 |



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CANDELA DISTRIBUTION (continued):

| | 82.5° | 85° | 87.5° | 90° |
|-------|-------|-------|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 31.1 | 22.2 | 8.9 | 0.0 |
| 85° | 66.6 | 44.4 | 22.2 | 0.0 |
| 82.5° | 97.6 | 62.1 | 31.1 | 0.0 |
| 80° | 128.7 | 84.3 | 39.9 | 0.0 |
| 77.5° | 164.2 | 106.5 | 53.3 | 0.0 |
| 75° | 195.3 | 124.3 | 62.1 | 0.0 |
| 72.5° | 226.3 | 146.4 | 71.0 | 0.0 |
| 70° | 252.9 | 164.2 | 79.9 | 0.0 |
| 67.5° | 279.6 | 186.4 | 93.2 | 0.0 |
| 65° | 301.8 | 204.1 | 102.1 | 0.0 |
| 62.5° | 319.5 | 226.3 | 110.9 | 0.0 |
| 60° | 341.7 | 244.1 | 119.8 | 0.0 |
| 57.5° | 359.4 | 257.4 | 128.7 | 0.0 |
| 55° | 377.2 | 266.3 | 137.6 | 0.0 |
| 52.5° | 394.9 | 279.6 | 146.4 | 0.0 |
| 50° | 412.7 | 292.9 | 155.3 | 0.0 |
| 47.5° | 430.4 | 301.8 | 159.8 | 0.0 |
| 45° | 457.1 | 315.1 | 168.6 | 0.0 |
| 42.5° | 479.3 | 323.9 | 177.5 | 0.0 |
| 40° | 501.4 | 332.8 | 181.9 | 0.0 |
| 37.5° | 523.6 | 341.7 | 190.8 | 0.0 |
| 35° | 545.8 | 350.6 | 195.3 | 0.0 |
| 32.5° | 563.6 | 359.4 | 199.7 | 0.0 |
| 30° | 581.3 | 368.3 | 204.1 | 0.0 |
| 27.5° | 599.1 | 372.8 | 208.6 | 0.0 |
| 25° | 612.4 | 381.6 | 213.0 | 0.0 |
| 22.5° | 625.7 | 386.1 | 217.4 | 0.0 |
| 20° | 634.6 | 390.5 | 221.9 | 0.0 |
| 17.5° | 647.9 | 394.9 | 226.3 | 0.0 |
| 15° | 652.3 | 399.4 | 235.2 | 0.0 |
| 12.5° | 661.2 | 403.8 | 235.2 | 0.0 |
| 10° | 665.6 | 408.3 | 235.2 | 0.0 |
| 7.5° | 674.5 | 408.3 | 235.2 | 0.0 |
| 5° | 670.1 | 408.3 | 235.2 | 0.0 |
| 2.5° | 670.1 | 408.3 | 235.2 | 0.0 |
| 0° | 665.6 | 408.3 | 235.2 | 0.0 |

(END OF REPORT)