

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: EPHESUS

Report Number: P628590

Luminaire Tested: **EPH-VN-08-D-930-U-LAM**

Issue Date: 01/11/2023

Test Information

Test Method: LM-79-2019
Report Number: P628590
Test Lab: INNOVATION CENTER(G2)
Issue Date: 01/11/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: EPHESUS
Catalog Number: EPH-VN-08-D-930-U-LAM
Description: EPHESUS LUMAVISION FLOOD – Middle Tier Light Square Luminaire w/
LAMBERTIAN distribution lens
Light Source: (128) 3000K CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

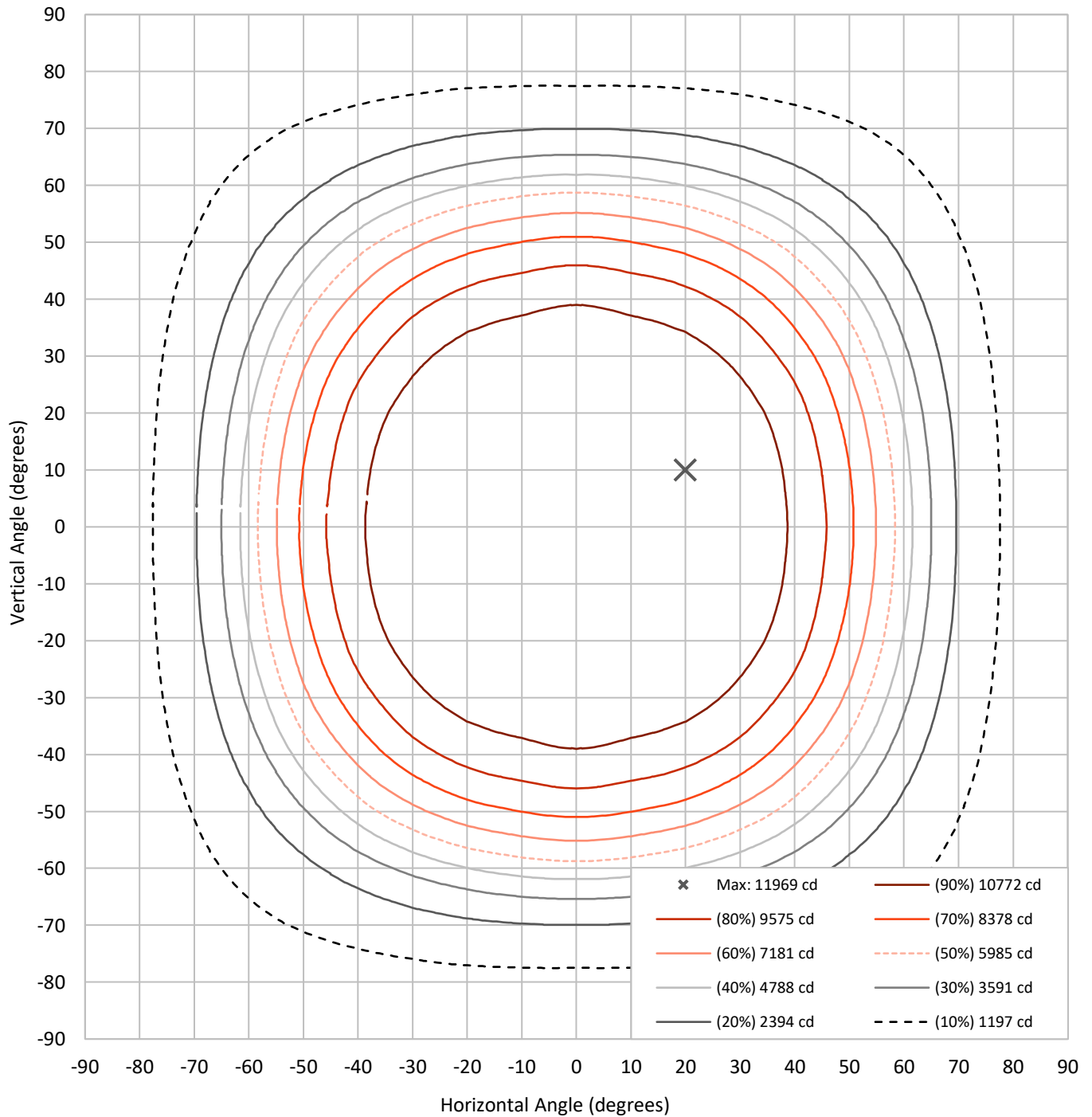
| | | | |
|-------------------|------------------------------------|----------------------|-----------------|
| Lumens per Lamp: | N/A | NEMA Type: | 7H x 7V |
| Luminaire Lumens: | 36719.3 lumens | Max Intensity: | 11969 candela |
| Efficiency: | N/A | Max Intensity Angle: | 20°H x 10°V |
| Efficacy: | 75.2 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: | 22531.7 lumens | Field Lumens: | 27011.7 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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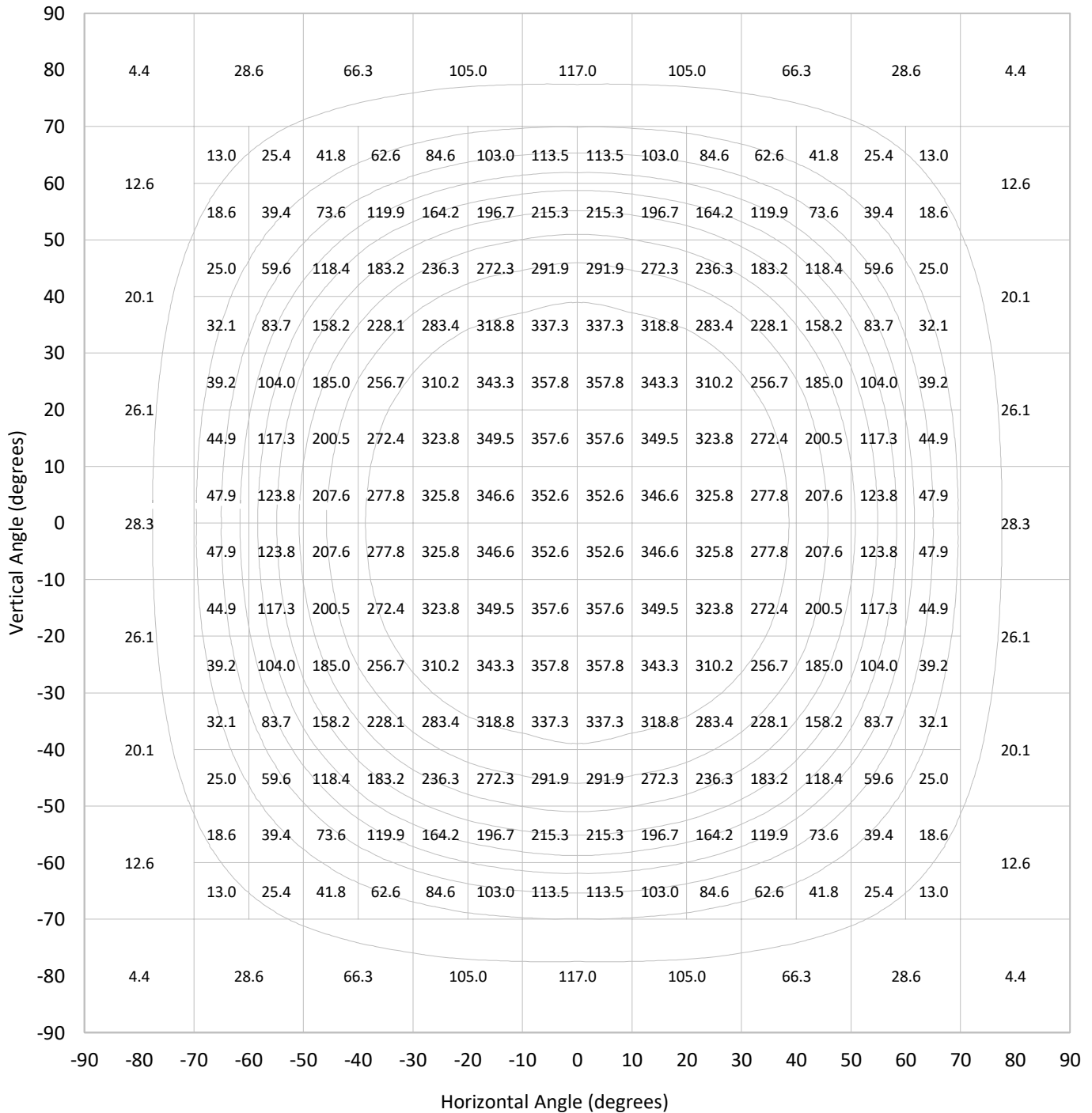
Iso-Candela Plot





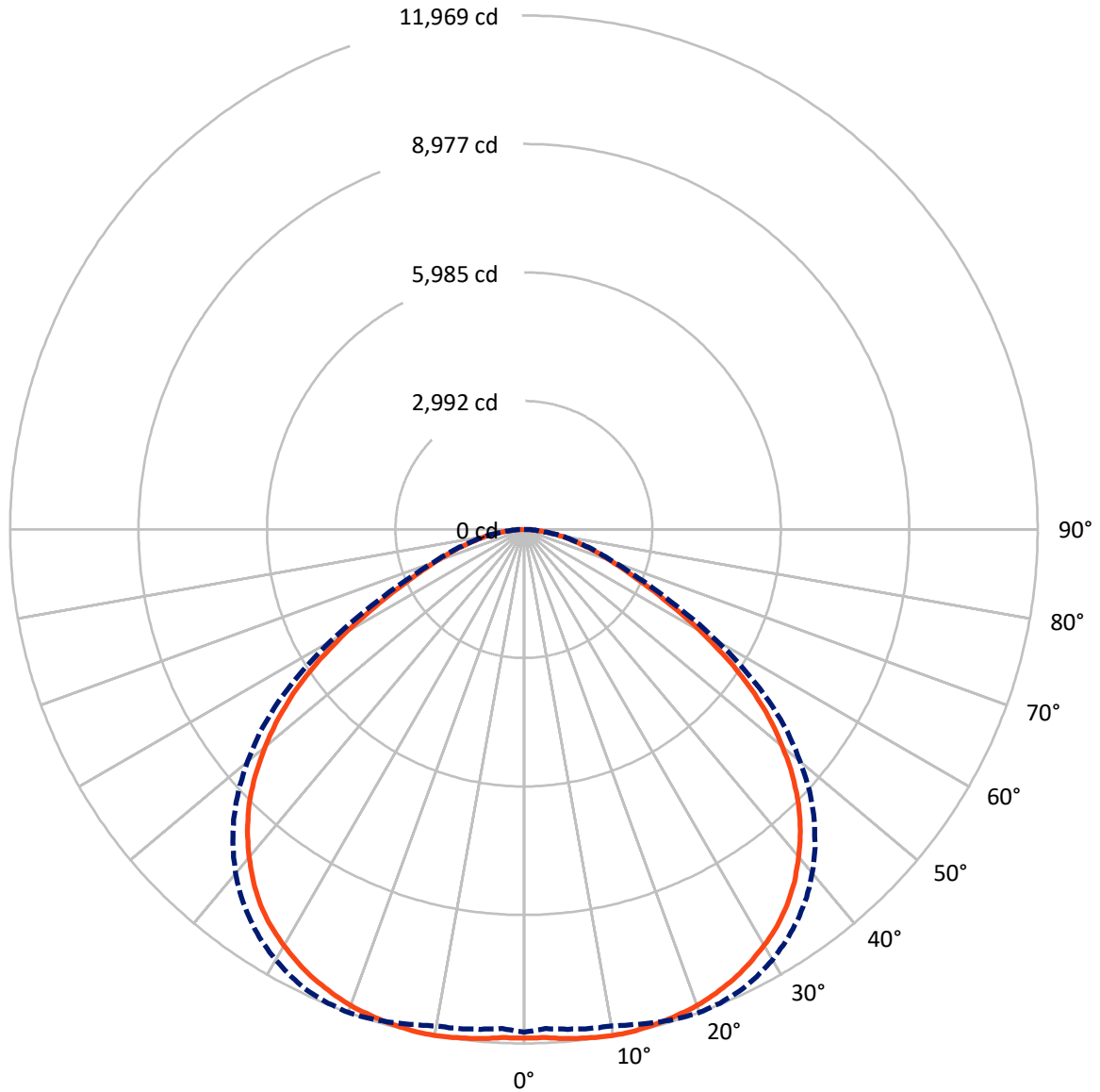
REPORT NUMBER: P628590
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Lumen Table



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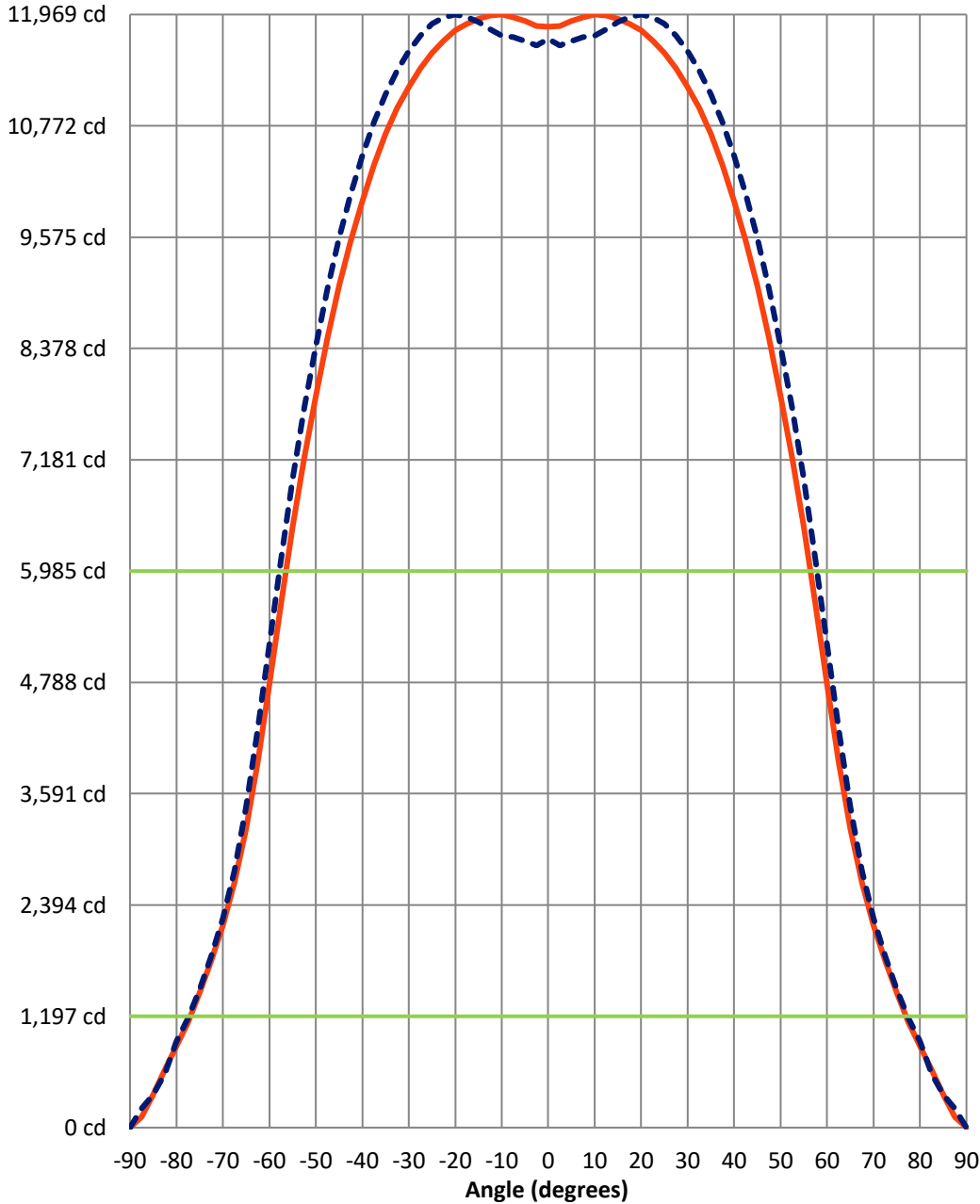
Luminous Intensity Polar Plot



— 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: 22531.7
 Efficiency: 61.4%

Field:
 H Angle: 154.7°
 V Angle: 154°
 Lumens: 27011.7
 Efficiency: 73.6%

Spill:
 Lumens: 9707.6
 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° | 96.6 | 104.3 | 108.2 | 112.0 | 115.9 | 119.8 | 123.6 | 119.8 | 115.9 | 115.9 | 112.0 |
| 85° | 258.9 | 266.6 | 270.4 | 297.5 | 324.5 | 340.0 | 359.3 | 355.4 | 355.4 | 351.6 | 347.7 |
| 82.5° | 517.7 | 540.9 | 560.2 | 587.2 | 602.7 | 625.9 | 641.3 | 629.7 | 622.0 | 606.6 | 595.0 |
| 80° | 919.5 | 927.2 | 931.1 | 935.0 | 915.6 | 911.8 | 904.1 | 892.5 | 877.0 | 857.7 | 838.4 |
| 77.5° | 1170.6 | 1178.4 | 1186.1 | 1178.4 | 1174.5 | 1170.6 | 1159.0 | 1147.4 | 1132.0 | 1116.5 | 1093.4 |
| 75° | 1549.2 | 1549.2 | 1549.2 | 1537.7 | 1529.9 | 1518.3 | 1499.0 | 1479.7 | 1452.7 | 1421.8 | 1387.0 |
| 72.5° | 1951.0 | 1947.2 | 1943.3 | 1920.1 | 1900.8 | 1877.6 | 1850.6 | 1827.4 | 1796.5 | 1761.7 | 1715.4 |
| 70° | 2372.2 | 2379.9 | 2383.8 | 2352.8 | 2329.7 | 2298.8 | 2264.0 | 2221.5 | 2175.1 | 2124.9 | 2059.2 |
| 67.5° | 2951.7 | 2944.0 | 2936.2 | 2893.7 | 2862.8 | 2820.3 | 2770.1 | 2708.3 | 2638.7 | 2561.5 | 2468.8 |
| 65° | 3670.3 | 3681.9 | 3658.7 | 3616.2 | 3558.2 | 3488.7 | 3411.4 | 3322.6 | 3218.3 | 3102.4 | 2971.0 |
| 62.5° | 4539.6 | 4558.9 | 4531.8 | 4477.8 | 4404.3 | 4311.6 | 4203.4 | 4076.0 | 3933.0 | 3770.7 | 3608.5 |
| 60° | 5528.6 | 5524.8 | 5474.5 | 5401.1 | 5304.5 | 5188.6 | 5068.9 | 4929.8 | 4767.5 | 4578.2 | 4381.2 |
| 57.5° | 6436.5 | 6428.8 | 6367.0 | 6293.6 | 6197.0 | 6073.4 | 5945.9 | 5799.1 | 5629.1 | 5428.2 | 5200.2 |
| 55° | 7251.7 | 7244.0 | 7182.2 | 7104.9 | 7004.5 | 6880.8 | 6764.9 | 6625.8 | 6459.7 | 6247.2 | 6003.8 |
| 52.5° | 7974.2 | 7978.0 | 7924.0 | 7839.0 | 7730.8 | 7611.0 | 7499.0 | 7359.9 | 7201.5 | 6989.0 | 6753.3 |
| 50° | 8638.7 | 8634.8 | 8576.9 | 8499.6 | 8399.2 | 8283.3 | 8171.2 | 8032.1 | 7866.0 | 7661.2 | 7433.3 |
| 47.5° | 9256.9 | 9249.1 | 9183.4 | 9098.5 | 8994.1 | 8893.7 | 8789.4 | 8665.7 | 8491.9 | 8287.1 | 8059.2 |
| 45° | 9774.6 | 9759.1 | 9693.4 | 9612.3 | 9511.8 | 9423.0 | 9330.3 | 9237.5 | 9052.1 | 8862.8 | 8646.4 |
| 42.5° | 10218.9 | 10215.0 | 10149.3 | 10068.2 | 9967.7 | 9890.5 | 9805.5 | 9689.6 | 9535.0 | 9361.2 | 9148.7 |
| 40° | 10643.8 | 10612.9 | 10547.3 | 10470.0 | 10377.3 | 10311.6 | 10226.6 | 10110.7 | 9960.0 | 9790.0 | 9585.2 |
| 37.5° | 10960.6 | 10964.5 | 10895.0 | 10810.0 | 10728.8 | 10667.0 | 10589.7 | 10481.6 | 10350.2 | 10184.1 | 9979.3 |
| 35° | 11262.0 | 11242.7 | 11184.7 | 11111.3 | 11037.9 | 10968.4 | 10887.2 | 10794.5 | 10686.3 | 10531.8 | 10338.6 |
| 32.5° | 11459.0 | 11486.1 | 11416.5 | 11339.3 | 11296.8 | 11242.7 | 11157.7 | 11061.1 | 10964.5 | 10810.0 | 10636.1 |
| 30° | 11675.4 | 11652.2 | 11598.1 | 11532.4 | 11501.5 | 11466.8 | 11393.3 | 11300.6 | 11188.6 | 11049.5 | 10887.2 |
| 27.5° | 11826.1 | 11814.5 | 11748.8 | 11687.0 | 11671.5 | 11640.6 | 11582.7 | 11501.5 | 11389.5 | 11254.3 | 11103.6 |
| 25° | 11891.7 | 11899.5 | 11837.6 | 11802.9 | 11802.9 | 11783.6 | 11737.2 | 11667.7 | 11555.6 | 11432.0 | 11285.2 |
| 22.5° | 11922.6 | 11914.9 | 11872.4 | 11864.7 | 11884.0 | 11868.6 | 11849.2 | 11787.4 | 11687.0 | 11586.5 | 11462.9 |
| 20° | 11942.0 | 11887.9 | 11849.2 | 11880.1 | 11903.3 | 11899.5 | 11884.0 | 11845.4 | 11799.0 | 11714.0 | 11605.8 |
| 17.5° | 11899.5 | 11864.7 | 11818.3 | 11864.7 | 11914.9 | 11918.8 | 11903.3 | 11880.1 | 11868.6 | 11814.5 | 11717.9 |
| 15° | 11795.1 | 11768.1 | 11775.8 | 11822.2 | 11880.1 | 11899.5 | 11911.1 | 11938.1 | 11922.6 | 11880.1 | 11795.1 |
| 12.5° | 11725.6 | 11690.8 | 11725.6 | 11772.0 | 11802.9 | 11814.5 | 11907.2 | 11957.4 | 11957.4 | 11918.8 | 11864.7 |
| 10° | 11706.3 | 11636.7 | 11683.1 | 11725.6 | 11741.1 | 11810.6 | 11887.9 | 11942.0 | 11969.0 | 11938.1 | 11868.6 |
| 7.5° | 11667.7 | 11621.3 | 11640.6 | 11659.9 | 11748.8 | 11799.0 | 11841.5 | 11899.5 | 11938.1 | 11934.2 | 11872.4 |
| 5° | 11648.3 | 11590.4 | 11598.1 | 11679.2 | 11741.1 | 11775.8 | 11791.3 | 11841.5 | 11899.5 | 11911.1 | 11864.7 |
| 2.5° | 11598.1 | 11571.1 | 11629.0 | 11636.7 | 11683.1 | 11710.2 | 11725.6 | 11772.0 | 11845.4 | 11872.4 | 11853.1 |
| 0° | 11571.1 | 11532.4 | 11493.8 | 11524.7 | 11602.0 | 11659.9 | 11683.1 | 11752.7 | 11837.6 | 11864.7 | 11822.2 |



REPORT NUMBER: P628590
 CATALOG NUMBER: EPH-VN-08-D-930-U-LAM

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° | 108.2 | 104.3 | 100.5 | 96.6 | 100.5 | 100.5 | 100.5 | 96.6 | 100.5 | 96.6 | 96.6 |
| 85° | 336.1 | 320.7 | 309.1 | 293.6 | 278.2 | 266.6 | 251.1 | 235.7 | 231.8 | 227.9 | 220.2 |
| 82.5° | 579.5 | 560.2 | 540.9 | 517.7 | 494.5 | 467.5 | 440.4 | 409.5 | 401.8 | 394.1 | 382.5 |
| 80° | 815.2 | 788.1 | 761.1 | 734.1 | 710.9 | 683.8 | 652.9 | 618.2 | 595.0 | 575.7 | 552.5 |
| 77.5° | 1062.5 | 1023.8 | 985.2 | 938.8 | 911.8 | 884.7 | 853.8 | 819.1 | 784.3 | 753.4 | 718.6 |
| 75° | 1344.5 | 1302.0 | 1263.4 | 1217.0 | 1166.8 | 1116.5 | 1066.3 | 1020.0 | 969.7 | 923.4 | 877.0 |
| 72.5° | 1657.4 | 1595.6 | 1533.8 | 1475.8 | 1414.0 | 1352.2 | 1286.5 | 1224.7 | 1162.9 | 1101.1 | 1035.4 |
| 70° | 1985.8 | 1908.6 | 1831.3 | 1754.0 | 1672.9 | 1591.7 | 1514.5 | 1437.2 | 1359.9 | 1278.8 | 1205.4 |
| 67.5° | 2372.2 | 2283.3 | 2182.9 | 2074.7 | 1954.9 | 1850.6 | 1750.1 | 1657.4 | 1564.7 | 1472.0 | 1379.3 |
| 65° | 2855.1 | 2731.5 | 2596.2 | 2449.4 | 2310.4 | 2171.3 | 2024.5 | 1885.4 | 1777.2 | 1669.0 | 1564.7 |
| 62.5° | 3450.1 | 3276.2 | 3086.9 | 2897.6 | 2727.6 | 2546.0 | 2376.0 | 2194.4 | 2024.5 | 1869.9 | 1742.4 |
| 60° | 4160.9 | 3925.3 | 3693.5 | 3450.1 | 3214.4 | 2967.1 | 2750.8 | 2526.7 | 2314.2 | 2124.9 | 1939.5 |
| 57.5° | 4945.2 | 4670.9 | 4392.8 | 4095.3 | 3774.6 | 3484.8 | 3191.2 | 2897.6 | 2646.5 | 2395.3 | 2186.7 |
| 55° | 5741.1 | 5451.3 | 5138.4 | 4802.3 | 4450.7 | 4079.8 | 3681.9 | 3353.5 | 3009.6 | 2716.0 | 2445.6 |
| 52.5° | 6498.3 | 6197.0 | 5872.5 | 5563.4 | 5142.3 | 4717.3 | 4280.7 | 3848.0 | 3446.2 | 3071.5 | 2743.1 |
| 50° | 7174.4 | 6880.8 | 6567.9 | 6208.6 | 5818.4 | 5366.3 | 4879.6 | 4392.8 | 3917.6 | 3477.1 | 3067.6 |
| 47.5° | 7792.6 | 7506.7 | 7193.8 | 6834.5 | 6479.0 | 5976.8 | 5486.1 | 4949.1 | 4419.8 | 3913.7 | 3434.6 |
| 45° | 8372.1 | 8082.4 | 7757.8 | 7414.0 | 7004.5 | 6556.3 | 6050.2 | 5509.3 | 4941.4 | 4373.4 | 3821.0 |
| 42.5° | 8897.6 | 8607.8 | 8279.4 | 7924.0 | 7518.3 | 7074.0 | 6583.3 | 6038.6 | 5466.8 | 4848.6 | 4242.1 |
| 40° | 9357.3 | 9075.3 | 8758.5 | 8387.6 | 8009.0 | 7541.5 | 7058.5 | 6540.8 | 5949.7 | 5327.7 | 4659.3 |
| 37.5° | 9759.1 | 9496.4 | 9183.4 | 8816.4 | 8414.6 | 7997.4 | 7499.0 | 6981.3 | 6448.1 | 5772.0 | 5088.2 |
| 35° | 10114.5 | 9871.1 | 9550.5 | 9202.8 | 8808.7 | 8368.3 | 7900.8 | 7394.7 | 6819.0 | 6185.4 | 5520.9 |
| 32.5° | 10423.6 | 10176.4 | 9882.7 | 9535.0 | 9152.5 | 8739.2 | 8260.1 | 7750.1 | 7205.4 | 6560.2 | 5837.7 |
| 30° | 10686.3 | 10446.8 | 10168.6 | 9840.2 | 9473.2 | 9063.7 | 8596.2 | 8082.4 | 7526.0 | 6884.7 | 6169.9 |
| 27.5° | 10914.3 | 10686.3 | 10415.9 | 10110.7 | 9759.1 | 9365.0 | 8893.7 | 8376.0 | 7808.1 | 7189.9 | 6475.2 |
| 25° | 11111.3 | 10891.1 | 10640.0 | 10350.2 | 10002.5 | 9616.2 | 9171.9 | 8631.0 | 8063.0 | 7441.0 | 6734.0 |
| 22.5° | 11289.0 | 11076.5 | 10825.4 | 10543.4 | 10226.6 | 9840.2 | 9392.1 | 8855.1 | 8279.4 | 7665.1 | 6969.7 |
| 20° | 11447.4 | 11250.4 | 11003.1 | 10713.4 | 10396.6 | 10006.4 | 9562.1 | 9052.1 | 8472.6 | 7869.9 | 7182.2 |
| 17.5° | 11574.9 | 11401.1 | 11153.8 | 10848.6 | 10531.8 | 10153.2 | 9720.5 | 9253.0 | 8638.7 | 8043.7 | 7359.9 |
| 15° | 11663.8 | 11493.8 | 11269.7 | 10960.6 | 10651.6 | 10276.8 | 9844.1 | 9361.2 | 8789.4 | 8182.8 | 7506.7 |
| 12.5° | 11725.6 | 11544.0 | 11335.4 | 11049.5 | 10740.4 | 10369.5 | 9948.4 | 9473.2 | 8916.9 | 8306.4 | 7634.2 |
| 10° | 11741.1 | 11574.9 | 11366.3 | 11111.3 | 10810.0 | 10450.7 | 10037.3 | 9565.9 | 9021.2 | 8403.0 | 7738.5 |
| 7.5° | 11748.8 | 11590.4 | 11401.1 | 11157.7 | 10860.2 | 10512.5 | 10103.0 | 9639.3 | 9098.5 | 8484.2 | 7815.8 |
| 5° | 11744.9 | 11594.2 | 11424.3 | 11188.6 | 10891.1 | 10547.3 | 10145.5 | 9689.6 | 9152.5 | 8538.3 | 7873.7 |
| 2.5° | 11733.3 | 11598.1 | 11439.7 | 11211.8 | 10925.9 | 10585.9 | 10187.9 | 9747.5 | 9210.5 | 8584.6 | 7920.1 |
| 0° | 11764.2 | 11648.3 | 11447.4 | 11204.0 | 10933.6 | 10585.9 | 10184.1 | 9755.2 | 9218.2 | 8580.7 | 7916.2 |



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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° | 96.6 | 92.7 | 92.7 | 88.9 | 85.0 | 81.1 | 73.4 | 69.5 | 61.8 | 50.2 | 38.6 |
| 85° | 208.6 | 197.0 | 185.4 | 177.7 | 170.0 | 162.3 | 150.7 | 139.1 | 123.6 | 100.5 | 77.3 |
| 82.5° | 367.0 | 343.8 | 320.7 | 293.6 | 270.4 | 247.3 | 227.9 | 208.6 | 185.4 | 150.7 | 115.9 |
| 80° | 525.4 | 490.7 | 455.9 | 417.3 | 382.5 | 343.8 | 309.1 | 278.2 | 247.3 | 200.9 | 154.5 |
| 77.5° | 683.8 | 637.5 | 587.2 | 540.9 | 490.7 | 440.4 | 390.2 | 347.7 | 301.4 | 247.3 | 193.2 |
| 75° | 830.6 | 776.6 | 730.2 | 664.5 | 602.7 | 537.0 | 471.3 | 413.4 | 355.4 | 289.8 | 231.8 |
| 72.5° | 977.5 | 907.9 | 842.2 | 780.4 | 710.9 | 629.7 | 556.3 | 482.9 | 409.5 | 332.3 | 262.7 |
| 70° | 1124.3 | 1039.3 | 958.1 | 884.7 | 807.5 | 726.3 | 637.5 | 552.5 | 463.6 | 370.9 | 289.8 |
| 67.5° | 1274.9 | 1178.4 | 1085.6 | 992.9 | 904.1 | 811.3 | 718.6 | 622.0 | 517.7 | 409.5 | 320.7 |
| 65° | 1441.1 | 1321.3 | 1209.3 | 1105.0 | 1000.6 | 900.2 | 795.9 | 691.6 | 575.7 | 452.0 | 347.7 |
| 62.5° | 1607.2 | 1475.8 | 1344.5 | 1213.1 | 1097.2 | 985.2 | 873.1 | 757.2 | 629.7 | 498.4 | 374.8 |
| 60° | 1784.9 | 1634.2 | 1483.6 | 1336.8 | 1193.8 | 1070.2 | 946.5 | 822.9 | 687.7 | 540.9 | 401.8 |
| 57.5° | 1982.0 | 1800.4 | 1630.4 | 1464.3 | 1302.0 | 1155.2 | 1020.0 | 888.6 | 737.9 | 583.4 | 432.7 |
| 55° | 2206.0 | 1982.0 | 1781.1 | 1595.6 | 1417.9 | 1240.2 | 1093.4 | 958.1 | 795.9 | 625.9 | 467.5 |
| 52.5° | 2441.7 | 2182.9 | 1939.5 | 1730.8 | 1541.5 | 1340.6 | 1162.9 | 1012.2 | 853.8 | 668.4 | 498.4 |
| 50° | 2716.0 | 2387.6 | 2117.2 | 1862.2 | 1649.7 | 1441.1 | 1236.3 | 1074.0 | 911.8 | 718.6 | 529.3 |
| 47.5° | 2998.0 | 2634.9 | 2294.9 | 2016.7 | 1765.6 | 1537.7 | 1321.3 | 1128.1 | 965.9 | 765.0 | 560.2 |
| 45° | 3326.4 | 2870.6 | 2495.8 | 2167.4 | 1877.6 | 1638.1 | 1406.3 | 1186.1 | 1012.2 | 811.3 | 591.1 |
| 42.5° | 3643.2 | 3148.7 | 2704.4 | 2333.5 | 2005.1 | 1734.7 | 1483.6 | 1247.9 | 1058.6 | 857.7 | 618.2 |
| 40° | 4018.0 | 3426.9 | 2905.3 | 2491.9 | 2132.6 | 1827.4 | 1560.8 | 1313.6 | 1101.1 | 900.2 | 645.2 |
| 37.5° | 4377.3 | 3708.9 | 3148.7 | 2665.8 | 2256.3 | 1920.1 | 1638.1 | 1375.4 | 1139.7 | 942.7 | 680.0 |
| 35° | 4732.7 | 4021.9 | 3380.5 | 2828.1 | 2383.8 | 2024.5 | 1715.4 | 1433.3 | 1178.4 | 977.5 | 710.9 |
| 32.5° | 5072.7 | 4315.5 | 3616.2 | 3009.6 | 2522.8 | 2121.0 | 1784.9 | 1487.4 | 1217.0 | 1008.4 | 741.8 |
| 30° | 5389.5 | 4593.7 | 3848.0 | 3195.1 | 2650.3 | 2209.9 | 1850.6 | 1541.5 | 1263.4 | 1035.4 | 772.7 |
| 27.5° | 5679.3 | 4864.1 | 4079.8 | 3368.9 | 2770.1 | 2291.0 | 1920.1 | 1591.7 | 1302.0 | 1062.5 | 799.7 |
| 25° | 5942.0 | 5107.5 | 4292.3 | 3527.3 | 2878.3 | 2379.9 | 1985.8 | 1642.0 | 1336.8 | 1085.6 | 822.9 |
| 22.5° | 6189.3 | 5331.6 | 4485.5 | 3685.7 | 3009.6 | 2468.8 | 2047.6 | 1688.3 | 1371.5 | 1108.8 | 846.1 |
| 20° | 6405.6 | 5536.3 | 4670.9 | 3844.1 | 3125.5 | 2549.9 | 2101.7 | 1730.8 | 1402.4 | 1124.3 | 869.3 |
| 17.5° | 6579.5 | 5717.9 | 4837.1 | 3983.2 | 3226.0 | 2619.4 | 2148.1 | 1769.5 | 1429.5 | 1143.6 | 884.7 |
| 15° | 6734.0 | 5872.5 | 4976.1 | 4103.0 | 3314.9 | 2677.4 | 2190.6 | 1800.4 | 1452.7 | 1155.2 | 904.1 |
| 12.5° | 6865.4 | 6003.8 | 5095.9 | 4207.3 | 3392.1 | 2727.6 | 2225.4 | 1823.6 | 1472.0 | 1166.8 | 915.6 |
| 10° | 6973.5 | 6108.1 | 5196.4 | 4288.4 | 3453.9 | 2766.2 | 2252.4 | 1846.7 | 1487.4 | 1178.4 | 927.2 |
| 7.5° | 7054.7 | 6185.4 | 5269.8 | 4358.0 | 3504.2 | 2793.3 | 2275.6 | 1862.2 | 1502.9 | 1186.1 | 946.5 |
| 5° | 7116.5 | 6251.1 | 5327.7 | 4404.3 | 3542.8 | 2831.9 | 2302.6 | 1881.5 | 1518.3 | 1193.8 | 946.5 |
| 2.5° | 7162.9 | 6305.2 | 5374.1 | 4443.0 | 3573.7 | 2824.2 | 2302.6 | 1877.6 | 1518.3 | 1193.8 | 942.7 |
| 0° | 7155.1 | 6309.0 | 5370.2 | 4443.0 | 3573.7 | 2816.5 | 2302.6 | 1873.8 | 1518.3 | 1193.8 | 942.7 |



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 CATALOG NUMBER: EPH-VN-08-D-930-U-LAM

CANDELA DISTRIBUTION (continued):

| | 82.5° | 85° | 87.5° | 90° |
|-------|-------|-------|-------|-----|
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 27.0 | 19.3 | 7.7 | 0.0 |
| 85° | 58.0 | 38.6 | 19.3 | 0.0 |
| 82.5° | 85.0 | 54.1 | 27.0 | 0.0 |
| 80° | 112.0 | 73.4 | 34.8 | 0.0 |
| 77.5° | 142.9 | 92.7 | 46.4 | 0.0 |
| 75° | 170.0 | 108.2 | 54.1 | 0.0 |
| 72.5° | 197.0 | 127.5 | 61.8 | 0.0 |
| 70° | 220.2 | 142.9 | 69.5 | 0.0 |
| 67.5° | 243.4 | 162.3 | 81.1 | 0.0 |
| 65° | 262.7 | 177.7 | 88.9 | 0.0 |
| 62.5° | 278.2 | 197.0 | 96.6 | 0.0 |
| 60° | 297.5 | 212.5 | 104.3 | 0.0 |
| 57.5° | 312.9 | 224.1 | 112.0 | 0.0 |
| 55° | 328.4 | 231.8 | 119.8 | 0.0 |
| 52.5° | 343.8 | 243.4 | 127.5 | 0.0 |
| 50° | 359.3 | 255.0 | 135.2 | 0.0 |
| 47.5° | 374.8 | 262.7 | 139.1 | 0.0 |
| 45° | 397.9 | 274.3 | 146.8 | 0.0 |
| 42.5° | 417.3 | 282.0 | 154.5 | 0.0 |
| 40° | 436.6 | 289.8 | 158.4 | 0.0 |
| 37.5° | 455.9 | 297.5 | 166.1 | 0.0 |
| 35° | 475.2 | 305.2 | 170.0 | 0.0 |
| 32.5° | 490.7 | 312.9 | 173.9 | 0.0 |
| 30° | 506.1 | 320.7 | 177.7 | 0.0 |
| 27.5° | 521.6 | 324.5 | 181.6 | 0.0 |
| 25° | 533.2 | 332.3 | 185.4 | 0.0 |
| 22.5° | 544.7 | 336.1 | 189.3 | 0.0 |
| 20° | 552.5 | 340.0 | 193.2 | 0.0 |
| 17.5° | 564.1 | 343.8 | 197.0 | 0.0 |
| 15° | 567.9 | 347.7 | 204.8 | 0.0 |
| 12.5° | 575.7 | 351.6 | 204.8 | 0.0 |
| 10° | 579.5 | 355.4 | 204.8 | 0.0 |
| 7.5° | 587.2 | 355.4 | 204.8 | 0.0 |
| 5° | 583.4 | 355.4 | 204.8 | 0.0 |
| 2.5° | 583.4 | 355.4 | 204.8 | 0.0 |
| 0° | 579.5 | 355.4 | 204.8 | 0.0 |

(END OF REPORT)