

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: CORELITE

Report Number: P253627

Luminaire Tested: **JW-WL-30L93050-1D-UNV-W2A-W-4 (3000K)**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P253627
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1805-784-21)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: JW-WL-30L93050-1D-UNV-W2A-W-4 (3000K)
Description: JAYLUM WALL LED LUMINAIRE, FROSTED LENS.
3000K-5000K CCT VividTune LIGHT ENGINE.
Light Source: (168) 3000K-5000K CCT, 90 CRI LEDS, TUNED TO 3000K CCT.
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2347.0 lumens
Efficiency: N/A
Efficacy: 83.2 lumens/watt
Spacing Criteria (0/90/45): 1.3 / 1.26 / 1.4
Luminous Opening: Rectangular (W 4' x L: 0.17' x H: 0')
CIE Type: Semi-Indirect

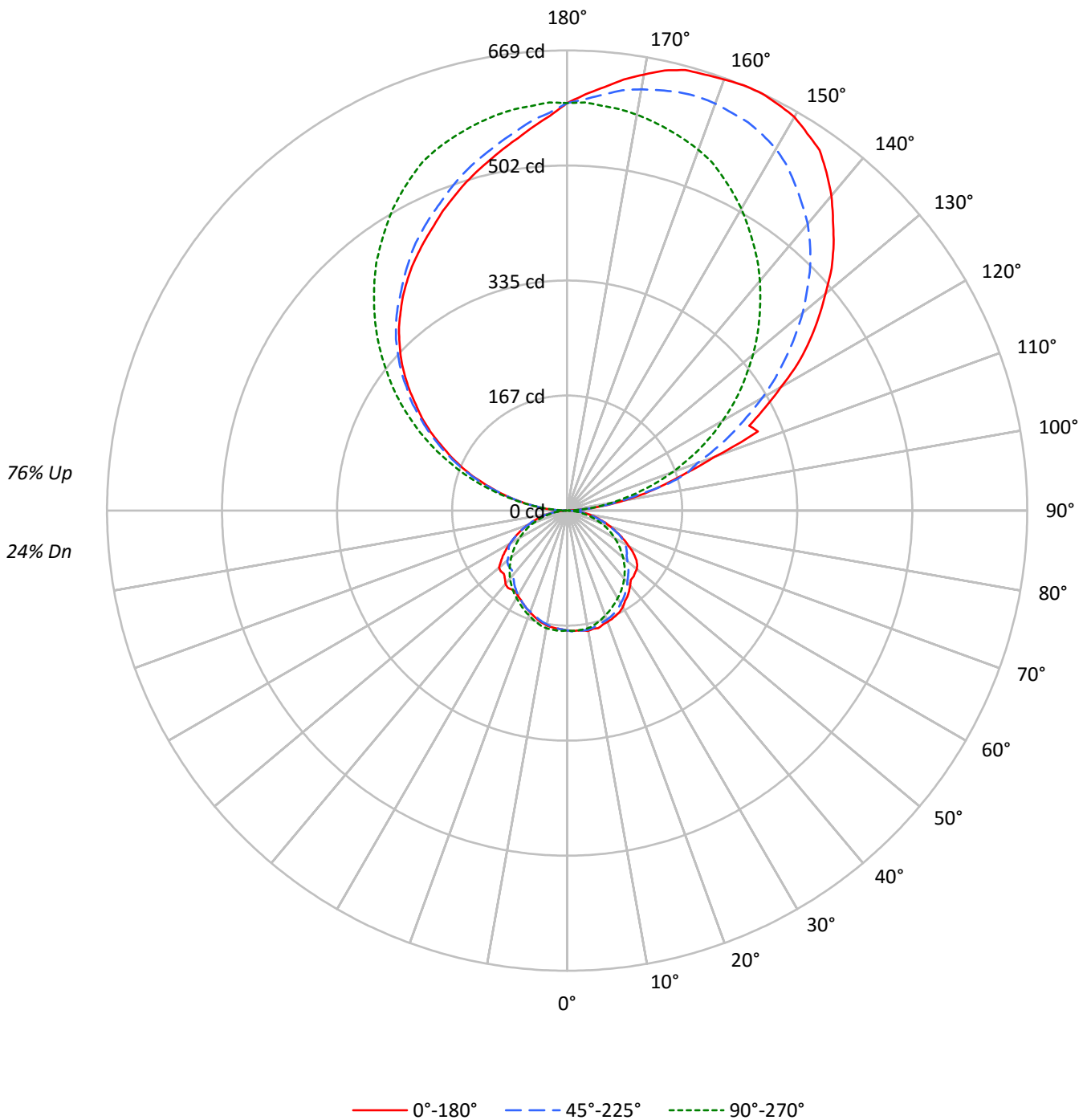
Input Watts (W): 28.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P253627

CATALOG NUMBER: JW-WL-30L93050-1D-UNV-W2A-W-4 (3000K)

Luminous Intensity Polar Plot





TEST NUMBER: P253627

CATALOG NUMBER: JW-WL-30L93050-1D-UNV-W2A-W-4 (3000K)

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | 0 |
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | | | | | | | | | | | | | | | | | | |
| 0 | 101 | 101 | 101 | 101 | 90 | 90 | 90 | 90 | 69 | 69 | 69 | 49 | 49 | 49 | 32 | 32 | 32 | 24 |
| 1 | 92 | 87 | 83 | 80 | 81 | 78 | 74 | 72 | 60 | 57 | 56 | 43 | 42 | 40 | 28 | 27 | 26 | 19 |
| 2 | 83 | 76 | 70 | 65 | 74 | 68 | 63 | 58 | 52 | 49 | 46 | 37 | 35 | 33 | 24 | 23 | 22 | 16 |
| 3 | 76 | 66 | 59 | 54 | 67 | 59 | 53 | 48 | 46 | 41 | 38 | 33 | 30 | 28 | 21 | 20 | 18 | 13 |
| 4 | 69 | 59 | 51 | 45 | 61 | 52 | 46 | 41 | 40 | 36 | 32 | 29 | 26 | 24 | 19 | 17 | 16 | 11 |
| 5 | 63 | 52 | 44 | 38 | 56 | 46 | 40 | 35 | 36 | 31 | 27 | 26 | 23 | 20 | 17 | 15 | 13 | 10 |
| 6 | 58 | 46 | 38 | 33 | 51 | 41 | 35 | 30 | 32 | 27 | 24 | 23 | 20 | 18 | 15 | 13 | 12 | 8 |
| 7 | 53 | 42 | 34 | 29 | 47 | 37 | 31 | 26 | 29 | 24 | 21 | 21 | 18 | 15 | 14 | 12 | 10 | 7 |
| 8 | 49 | 38 | 30 | 25 | 44 | 34 | 27 | 23 | 26 | 21 | 18 | 19 | 16 | 14 | 13 | 11 | 9 | 6 |
| 9 | 46 | 34 | 27 | 22 | 41 | 31 | 24 | 20 | 24 | 19 | 16 | 17 | 14 | 12 | 12 | 10 | 8 | 6 |
| 10 | 43 | 31 | 24 | 19 | 38 | 28 | 22 | 18 | 22 | 17 | 14 | 16 | 13 | 11 | 11 | 9 | 7 | 5 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 90° | 180° |
|-----|------|------|------|
| 0° | 2814 | 2814 | 2814 |
| 5° | 2838 | 2838 | 2788 |
| 10° | 2910 | 2846 | 2782 |
| 15° | 2954 | 2823 | 2745 |
| 20° | 2955 | 2782 | 2701 |
| 25° | 2995 | 2760 | 2676 |
| 30° | 3018 | 2742 | 2670 |
| 35° | 3008 | 2730 | 2761 |
| 40° | 3001 | 2723 | 2936 |
| 45° | 3110 | 2701 | 2968 |
| 50° | 3323 | 2660 | 3245 |
| 55° | 3440 | 2629 | 3198 |
| 60° | 3342 | 2590 | 3090 |
| 65° | 3213 | 2529 | 3003 |
| 70° | 3125 | 2426 | 2865 |
| 75° | 3013 | 2283 | 2770 |
| 80° | 2966 | 2101 | 2603 |
| 85° | 3612 | 1723 | 2594 |



TEST NUMBER: P253627

CATALOG NUMBER: JW-WL-30L93050-1D-UNV-W2A-W-4 (3000K)

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 16.6 | 0.7 |
| 10°-20° | 47.7 | 2.0 |
| 20°-30° | 72.5 | 3.1 |
| 30°-40° | 88.5 | 3.8 |
| 40°-50° | 96.0 | 4.1 |
| 50°-60° | 93.6 | 4.0 |
| 60°-70° | 75.4 | 3.2 |
| 70°-80° | 46.3 | 2.0 |
| 80°-90° | 16.3 | 0.7 |
| 90°-100° | 33.6 | 1.4 |
| 100°-110° | 128.6 | 5.5 |
| 110°-120° | 226.6 | 9.7 |
| 120°-130° | 295.2 | 12.6 |
| 130°-140° | 326.1 | 13.9 |
| 140°-150° | 311.4 | 13.3 |
| 150°-160° | 252.9 | 10.8 |
| 160°-170° | 163.5 | 7.0 |
| 170°-180° | 56.3 | 2.4 |
| 0°-30° | 136.7 | 5.8 |
| 0°-40° | 225.2 | 9.6 |
| 0°-60° | 414.9 | 17.7 |
| 0°-90° | 552.9 | 23.6 |
| 90°-120° | 388.8 | 16.6 |
| 90°-150° | 1321.5 | 56.3 |
| 90°-180° | 1794.0 | 76.4 |
| 0°-180° | 2347.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|------|-----|-----|-----|------|------|------|
| 0° | 174 | 174 | 174 | 174 | 174 | |
| 5° | 175 | 176 | 175 | 172 | 172 | 17 |
| 15° | 177 | 173 | 169 | 163 | 164 | 50 |
| 25° | 168 | 163 | 155 | 150 | 150 | 78 |
| 35° | 153 | 147 | 138 | 133 | 140 | 95 |
| 45° | 136 | 126 | 118 | 118 | 130 | 105 |
| 55° | 122 | 106 | 93 | 103 | 114 | 108 |
| 65° | 84 | 83 | 66 | 79 | 79 | 84 |
| 75° | 48 | 47 | 37 | 44 | 44 | 52 |
| 85° | 20 | 17 | 9 | 14 | 14 | 18 |
| 90° | 4 | 3 | 1 | 3 | 2 | 4 |
| 95° | 26 | 28 | 26 | 28 | 30 | 34 |
| 105° | 146 | 154 | 112 | 103 | 103 | 158 |
| 115° | 292 | 264 | 212 | 192 | 187 | 300 |
| 125° | 430 | 388 | 308 | 276 | 268 | 383 |
| 135° | 548 | 500 | 395 | 352 | 345 | 422 |
| 145° | 640 | 578 | 472 | 413 | 406 | 398 |
| 155° | 669 | 623 | 536 | 471 | 458 | 309 |
| 165° | 663 | 630 | 573 | 523 | 510 | 187 |
| 175° | 618 | 607 | 591 | 570 | 560 | 60 |
| 180° | 592 | 592 | 592 | 592 | 592 | |



TEST NUMBER: P253627

CATALOG NUMBER: JW-WL-30L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|--------|-------|-------|-------|-------|-------|--------|-------|--------|-------|
| 0° | 174.3 | 174.3 | 174.3 | 174.3 | 174.3 | 174.3 | 174.3 | 174.3 | 174.3 |
| 2.5° | 175.1 | 175.9 | 175.9 | 175.1 | 175.1 | 175.1 | 172.8 | 173.6 | 172.8 |
| 5° | 175.1 | 177.5 | 175.9 | 175.9 | 175.1 | 173.6 | 172.0 | 172.8 | 172.0 |
| 7.5° | 175.9 | 177.5 | 175.9 | 175.1 | 174.3 | 172.0 | 170.5 | 170.5 | 171.2 |
| 10° | 177.5 | 177.5 | 175.9 | 175.1 | 173.6 | 170.5 | 168.1 | 168.1 | 169.7 |
| 12.5° | 175.9 | 177.5 | 174.3 | 173.6 | 172.0 | 168.9 | 165.8 | 165.8 | 167.3 |
| 15° | 176.7 | 175.9 | 172.8 | 171.2 | 168.9 | 166.6 | 162.7 | 162.7 | 164.2 |
| 17.5° | 173.6 | 175.1 | 170.5 | 168.9 | 165.8 | 163.4 | 159.6 | 159.6 | 161.1 |
| 20° | 172.0 | 173.6 | 168.9 | 165.8 | 161.9 | 160.3 | 156.4 | 157.2 | 157.2 |
| 22.5° | 170.5 | 171.2 | 166.6 | 162.7 | 158.8 | 156.4 | 154.1 | 154.1 | 154.1 |
| 25° | 168.1 | 168.1 | 163.4 | 158.8 | 154.9 | 151.8 | 150.2 | 150.2 | 150.2 |
| 27.5° | 165.8 | 165.0 | 160.3 | 155.7 | 151.0 | 147.9 | 146.3 | 146.3 | 146.3 |
| 30° | 161.9 | 160.3 | 155.7 | 151.0 | 147.1 | 144.0 | 142.4 | 141.7 | 143.2 |
| 32.5° | 156.4 | 155.7 | 151.8 | 147.1 | 143.2 | 139.3 | 137.8 | 137.8 | 139.3 |
| 35° | 152.6 | 151.0 | 147.1 | 142.4 | 138.5 | 134.6 | 133.1 | 133.9 | 140.1 |
| 37.5° | 147.9 | 146.3 | 141.7 | 139.3 | 133.9 | 130.0 | 127.6 | 134.6 | 141.7 |
| 40° | 142.4 | 141.7 | 136.2 | 133.9 | 129.2 | 126.1 | 122.2 | 135.4 | 139.3 |
| 42.5° | 137.0 | 136.2 | 130.8 | 128.4 | 123.8 | 120.6 | 118.3 | 133.1 | 133.9 |
| 45° | 136.2 | 131.5 | 126.1 | 122.2 | 118.3 | 115.2 | 117.5 | 127.6 | 130.0 |
| 47.5° | 133.9 | 129.2 | 120.6 | 116.0 | 112.1 | 109.0 | 116.7 | 123.8 | 130.8 |
| 50° | 132.3 | 126.9 | 114.4 | 110.5 | 105.9 | 102.7 | 113.6 | 124.5 | 129.2 |
| 52.5° | 128.4 | 124.5 | 109.0 | 103.5 | 99.6 | 96.5 | 106.6 | 121.4 | 121.4 |
| 55° | 122.2 | 119.9 | 105.9 | 96.5 | 93.4 | 90.3 | 102.7 | 112.9 | 113.6 |
| 57.5° | 113.6 | 112.9 | 102.0 | 89.5 | 86.4 | 84.1 | 101.2 | 105.1 | 105.1 |
| 60° | 103.5 | 104.3 | 97.3 | 82.5 | 80.2 | 78.6 | 95.7 | 95.7 | 95.7 |
| 62.5° | 94.2 | 94.2 | 91.1 | 76.3 | 73.2 | 73.9 | 87.2 | 87.2 | 87.2 |
| 65° | 84.1 | 84.1 | 83.3 | 69.3 | 66.2 | 70.0 | 78.6 | 78.6 | 78.6 |
| 67.5° | 74.7 | 74.7 | 73.9 | 61.5 | 59.2 | 63.0 | 70.0 | 69.3 | 69.3 |
| 70° | 66.2 | 66.2 | 64.6 | 56.0 | 51.4 | 56.8 | 60.7 | 61.5 | 60.7 |
| 72.5° | 57.6 | 56.8 | 55.3 | 50.6 | 43.6 | 52.1 | 52.1 | 52.1 | 51.4 |
| 75° | 48.3 | 48.3 | 46.7 | 43.6 | 36.6 | 43.6 | 43.6 | 43.6 | 44.4 |
| 77.5° | 40.5 | 39.7 | 38.1 | 35.0 | 28.8 | 34.2 | 35.0 | 35.0 | 35.0 |
| 80° | 31.9 | 31.9 | 30.4 | 26.5 | 22.6 | 26.5 | 26.5 | 27.2 | 28.0 |
| 82.5° | 24.9 | 24.9 | 23.3 | 20.2 | 15.6 | 18.7 | 19.5 | 20.2 | 20.2 |
| 85° | 19.5 | 19.5 | 17.1 | 14.0 | 9.3 | 12.5 | 14.0 | 14.8 | 14.0 |
| 87.5° | 14.0 | 14.0 | 12.5 | 9.3 | 5.4 | 7.8 | 7.8 | 8.6 | 7.8 |
| 90° | 3.9 | 3.9 | 3.1 | 2.3 | 0.8 | 2.3 | 3.1 | 2.3 | 1.6 |
| 92.5° | 7.0 | 7.8 | 9.3 | 10.9 | 9.3 | 12.5 | 15.6 | 16.3 | 16.3 |
| 95° | 26.5 | 26.5 | 28.0 | 27.2 | 25.7 | 27.2 | 28.0 | 31.1 | 30.4 |
| 97.5° | 53.7 | 52.9 | 51.4 | 47.5 | 45.1 | 43.6 | 44.4 | 45.9 | 45.9 |
| 100° | 83.3 | 81.7 | 77.1 | 77.1 | 65.4 | 62.3 | 63.0 | 63.0 | 63.0 |
| 102.5° | 116.0 | 112.9 | 105.1 | 98.1 | 88.0 | 84.8 | 82.5 | 81.7 | 81.7 |
| 105° | 146.3 | 144.8 | 154.1 | 123.0 | 112.1 | 106.6 | 102.7 | 102.0 | 102.7 |
| 107.5° | 182.1 | 179.0 | 183.7 | 151.8 | 137.8 | 129.2 | 125.3 | 123.0 | 122.2 |
| 110° | 228.0 | 258.4 | 200.8 | 181.3 | 162.7 | 152.6 | 147.9 | 145.5 | 145.5 |



TEST NUMBER: P253627

CATALOG NUMBER: JW-WL-30L93050-1D-UNV-W2A-W-4 (3000K)

CANDELA DISTRIBUTION (continued):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|--------|-------|-------|-------|-------|-------|--------|-------|--------|-------|
| 112.5° | 300.4 | 263.1 | 231.9 | 210.1 | 186.8 | 176.7 | 169.7 | 167.3 | 166.6 |
| 115° | 291.9 | 283.3 | 263.9 | 239.7 | 212.5 | 200.0 | 191.5 | 189.1 | 186.8 |
| 117.5° | 324.6 | 317.6 | 294.2 | 268.5 | 237.4 | 223.4 | 212.5 | 210.1 | 207.0 |
| 120° | 358.8 | 351.0 | 327.7 | 295.0 | 260.7 | 243.6 | 234.3 | 231.9 | 229.6 |
| 122.5° | 397.7 | 384.5 | 358.8 | 323.8 | 284.9 | 264.6 | 254.5 | 251.4 | 249.8 |
| 125° | 430.4 | 416.4 | 388.4 | 347.9 | 308.2 | 284.9 | 276.3 | 271.6 | 268.5 |
| 127.5° | 460.8 | 449.9 | 418.0 | 374.4 | 330.0 | 305.1 | 294.2 | 290.3 | 289.5 |
| 130° | 490.3 | 480.2 | 446.8 | 400.8 | 352.6 | 323.8 | 315.2 | 309.8 | 309.0 |
| 132.5° | 521.5 | 506.7 | 473.2 | 424.2 | 374.4 | 344.0 | 333.1 | 328.5 | 327.7 |
| 135° | 547.9 | 535.5 | 499.7 | 446.0 | 395.4 | 362.7 | 351.8 | 346.4 | 344.8 |
| 137.5° | 572.1 | 561.9 | 523.0 | 468.5 | 415.6 | 382.9 | 368.1 | 363.5 | 361.9 |
| 140° | 597.8 | 583.7 | 544.0 | 488.8 | 435.9 | 403.2 | 383.7 | 380.6 | 376.7 |
| 142.5° | 619.5 | 605.5 | 561.2 | 509.8 | 455.3 | 419.5 | 397.7 | 396.9 | 392.3 |
| 145° | 639.8 | 622.7 | 578.3 | 528.5 | 472.4 | 435.9 | 413.3 | 410.2 | 406.3 |
| 147.5° | 649.9 | 637.4 | 594.6 | 543.3 | 489.6 | 452.2 | 428.9 | 425.0 | 420.3 |
| 150° | 660.8 | 646.8 | 607.1 | 558.1 | 506.7 | 467.0 | 444.4 | 437.4 | 432.7 |
| 152.5° | 665.5 | 653.0 | 615.7 | 570.5 | 521.5 | 481.8 | 457.7 | 448.3 | 445.2 |
| 155° | 669.4 | 656.9 | 622.7 | 580.6 | 535.5 | 495.8 | 470.9 | 460.0 | 457.7 |
| 157.5° | 669.4 | 658.5 | 625.8 | 588.4 | 548.7 | 510.6 | 483.3 | 473.2 | 471.7 |
| 160° | 667.0 | 658.5 | 629.7 | 593.9 | 558.1 | 523.8 | 497.3 | 486.5 | 484.1 |
| 162.5° | 664.7 | 657.7 | 631.2 | 600.1 | 565.8 | 535.5 | 510.6 | 500.5 | 497.3 |
| 165° | 663.1 | 656.1 | 629.7 | 604.8 | 572.8 | 546.4 | 523.0 | 513.7 | 509.8 |
| 167.5° | 655.3 | 649.1 | 625.8 | 607.9 | 579.1 | 557.3 | 533.9 | 528.5 | 521.5 |
| 170° | 643.7 | 639.0 | 621.9 | 609.4 | 584.5 | 565.1 | 545.6 | 539.4 | 533.9 |
| 172.5° | 632.0 | 628.9 | 616.4 | 608.6 | 588.4 | 573.6 | 557.3 | 554.9 | 546.4 |
| 175° | 618.0 | 618.0 | 607.1 | 604.0 | 590.7 | 579.8 | 569.7 | 567.4 | 560.4 |
| 177.5° | 605.5 | 607.1 | 598.5 | 598.5 | 593.9 | 586.9 | 579.1 | 581.4 | 574.4 |
| 180° | 592.3 | 592.3 | 592.3 | 592.3 | 592.3 | 592.3 | 592.3 | 592.3 | 592.3 |

(END OF REPORT)