

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

Brand: METALUX

Report Number: P1500556

Luminaire Tested: 3CSSV-S3C59-BN-MED-5000K

Issue Date: 7/20/2026

**Test Information**

Test Method: LM-79-2019  
Report Number: P1500556  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2605-767-2)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/20/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: METALUX  
Catalog Number: 3CSSV-S3C59-BN-MED-5000K  
Description: 3' Vanity SQR Lnr 90CRI-3L5C Sel Brush Nickel 2400 Lumen 5000K  
  
Light Source:  
Ballast/Driver: -

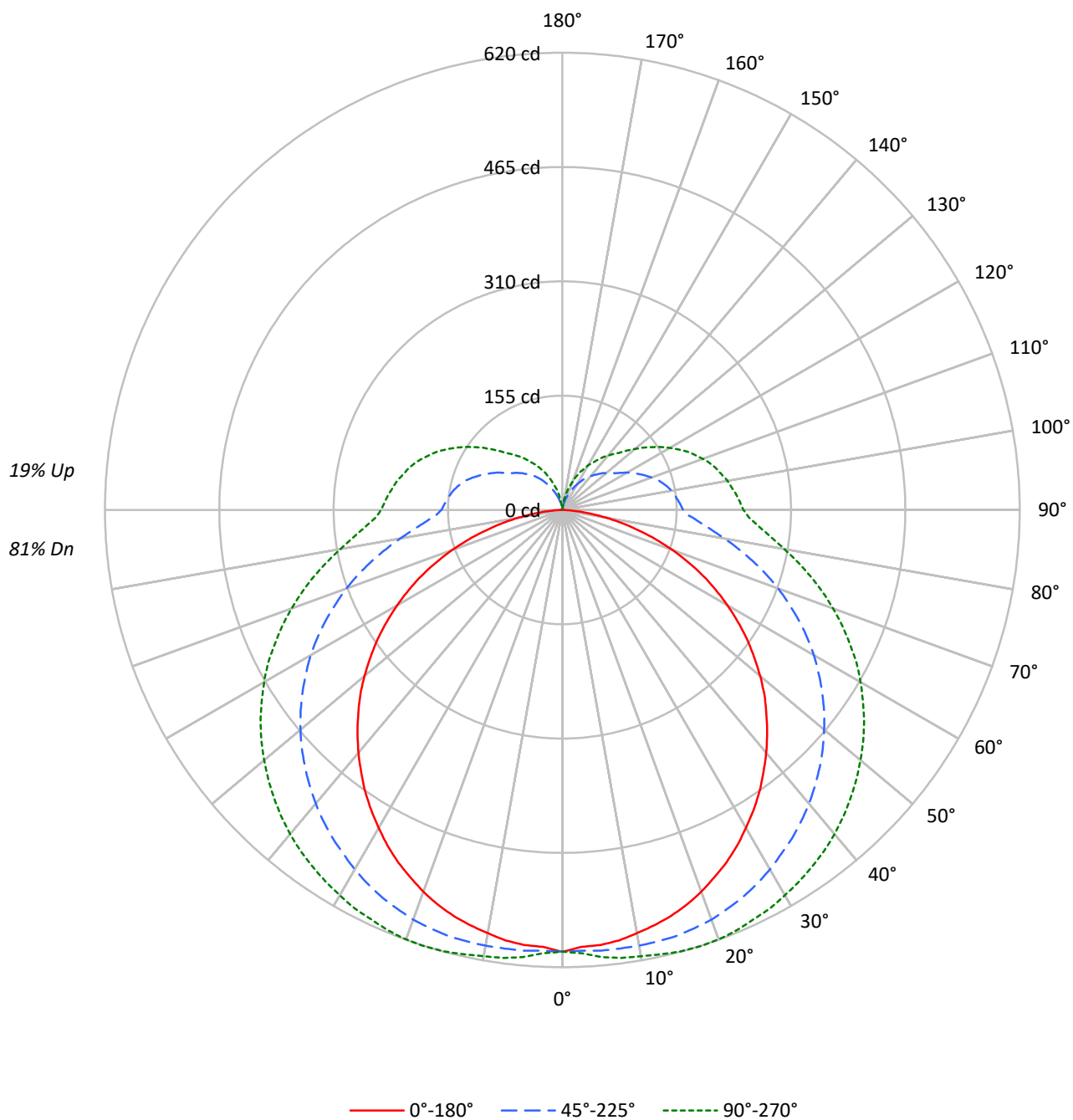
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2928.4 lumens  
Efficiency: N/A  
Efficacy: 111.8 lumens/watt  
Spacing Criteria (0/90/45): 1.24 / 1.5 / 1.54  
Luminous Opening: Rectangular w/ Sides (W: 0.13' x L: 2.92' x H: 0.13')  
CIE Type: Semi-Direct  
  
Input Watts (W): 26.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: >0.9  
Total Harmonic Distortion (THDi): <20  
Frequency (hertz): 60  
Stabilization Time: HR  
Operation Time: HR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT

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### Luminous Intensity Polar Plot



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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |    |    |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|
| RF  | 20  |     |     |     | 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   | 114 | 114 | 114 | 114 | 110 | 110 | 110 | 110 | 100 | 100 | 100 | 92 | 92 | 92 | 84 | 84 | 84 | 81 |
| 1   | 102 | 96  | 91  | 86  | 97  | 92  | 87  | 83  | 84  | 80  | 77  | 77 | 74 | 71 | 70 | 68 | 66 | 62 |
| 2   | 91  | 82  | 74  | 68  | 87  | 79  | 72  | 66  | 72  | 66  | 61  | 66 | 61 | 57 | 60 | 56 | 53 | 50 |
| 3   | 83  | 71  | 62  | 55  | 78  | 68  | 60  | 53  | 62  | 56  | 50  | 57 | 51 | 47 | 52 | 47 | 44 | 40 |
| 4   | 75  | 62  | 53  | 46  | 71  | 60  | 51  | 45  | 55  | 48  | 42  | 50 | 44 | 39 | 46 | 41 | 37 | 34 |
| 5   | 69  | 55  | 46  | 39  | 65  | 53  | 44  | 38  | 49  | 41  | 36  | 45 | 38 | 34 | 41 | 36 | 31 | 29 |
| 6   | 63  | 50  | 40  | 34  | 60  | 48  | 39  | 33  | 44  | 36  | 31  | 40 | 34 | 29 | 37 | 32 | 27 | 25 |
| 7   | 59  | 45  | 36  | 29  | 56  | 43  | 34  | 28  | 40  | 32  | 27  | 36 | 30 | 25 | 34 | 28 | 24 | 22 |
| 8   | 54  | 41  | 32  | 26  | 52  | 39  | 31  | 25  | 36  | 29  | 24  | 33 | 27 | 23 | 31 | 25 | 21 | 19 |
| 9   | 51  | 37  | 29  | 23  | 48  | 36  | 28  | 22  | 33  | 26  | 21  | 31 | 25 | 20 | 28 | 23 | 19 | 17 |
| 10  | 47  | 34  | 26  | 21  | 45  | 33  | 25  | 20  | 30  | 24  | 19  | 28 | 22 | 18 | 26 | 21 | 17 | 15 |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°    | 45°   | 90°   |
|-----|-------|-------|-------|
| 0°  | 16985 | 16985 | 16985 |
| 5°  | 16788 | 16037 | 15924 |
| 10° | 16647 | 15280 | 15039 |
| 15° | 16530 | 14657 | 14345 |
| 20° | 16359 | 14060 | 13708 |
| 25° | 16150 | 13479 | 13073 |
| 30° | 15888 | 12921 | 12523 |
| 35° | 15643 | 12394 | 12021 |
| 40° | 15340 | 11884 | 11555 |
| 45° | 15023 | 11381 | 11080 |
| 50° | 14666 | 10872 | 10621 |
| 55° | 14200 | 10343 | 10168 |
| 60° | 13600 | 9801  | 9690  |
| 65° | 12874 | 9179  | 9173  |
| 70° | 11731 | 8525  | 8637  |
| 75° | 10081 | 7784  | 8066  |
| 80° | 7836  | 7021  | 7478  |
| 85° | 4248  | 6416  | 7030  |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 15023 cd/sqm

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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 57.4   | 2.0       |
| 10°-20°   | 169.0  | 5.8       |
| 20°-30°   | 265.9  | 9.1       |
| 30°-40°   | 336.7  | 11.5      |
| 40°-50°   | 374.4  | 12.8      |
| 50°-60°   | 374.5  | 12.8      |
| 60°-70°   | 336.3  | 11.5      |
| 70°-80°   | 265.5  | 9.1       |
| 80°-90°   | 187.4  | 6.4       |
| 90°-100°  | 153.8  | 5.3       |
| 100°-110° | 133.0  | 4.5       |
| 110°-120° | 104.3  | 3.6       |
| 120°-130° | 73.9   | 2.5       |
| 130°-140° | 48.7   | 1.7       |
| 140°-150° | 29.4   | 1.0       |
| 150°-160° | 13.9   | 0.5       |
| 160°-170° | 3.9    | 0.1       |
| 170°-180° | 0.4    | 0.0       |
| <hr/>     |        |           |
| 0°-30°    | 492.4  | 16.8      |
| 0°-40°    | 829.1  | 28.3      |
| 0°-60°    | 1578.0 | 53.9      |
| 0°-90°    | 2367.2 | 80.8      |
| 90°-120°  | 391.0  | 13.4      |
| 90°-150°  | 543.0  | 18.5      |
| 90°-180°  | 561.0  | 19.2      |
| 0°-180°   | 2928.4 | 100.0     |

**CANDELA DISTRIBUTION:**

|      | 0°  | 22.5° | 45° | 67.5° | 90° | Flux |
|------|-----|-------|-----|-------|-----|------|
| 0°   | 599 | 599   | 599 | 599   | 599 |      |
| 5°   | 592 | 605   | 600 | 601   | 608 | 56   |
| 15°  | 570 | 590   | 598 | 610   | 620 | 161  |
| 25°  | 527 | 556   | 579 | 600   | 613 | 243  |
| 35°  | 466 | 505   | 543 | 574   | 590 | 291  |
| 45°  | 391 | 441   | 493 | 534   | 553 | 302  |
| 55°  | 306 | 365   | 430 | 478   | 499 | 273  |
| 65°  | 210 | 277   | 354 | 408   | 430 | 207  |
| 75°  | 107 | 184   | 267 | 326   | 348 | 114  |
| 85°  | 20  | 99    | 186 | 247   | 269 | 25   |
| 90°  | 1   | 77    | 164 | 224   | 245 | 1    |
| 95°  | 0   | 73    | 157 | 216   | 237 | 0    |
| 105° | 1   | 58    | 141 | 196   | 216 | 1    |
| 115° | 1   | 45    | 115 | 167   | 187 | 1    |
| 125° | 1   | 34    | 87  | 131   | 148 | 1    |
| 135° | 1   | 28    | 69  | 98    | 110 | 1    |
| 145° | 1   | 20    | 51  | 74    | 82  | 1    |
| 155° | 2   | 11    | 30  | 48    | 56  | 1    |
| 165° | 2   | 5     | 12  | 20    | 28  | 0    |
| 175° | 2   | 2     | 3   | 3     | 2   | 0    |
| 180° | 1   | 1     | 1   | 1     | 1   |      |

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**CANDELA DISTRIBUTION (FULL):**

|        | 0°    | 22.5° | 45°   | 67.5° | 90°   |
|--------|-------|-------|-------|-------|-------|
| 0°     | 599.0 | 599.0 | 599.0 | 599.0 | 599.0 |
| 2.5°   | 593.0 | 605.0 | 598.1 | 599.0 | 601.5 |
| 5°     | 592.1 | 605.0 | 599.8 | 600.7 | 608.4 |
| 7.5°   | 588.7 | 602.4 | 599.8 | 604.1 | 612.7 |
| 10°    | 582.7 | 599.8 | 599.8 | 606.7 | 614.4 |
| 12.5°  | 576.7 | 594.7 | 599.0 | 607.6 | 617.0 |
| 15°    | 569.8 | 589.5 | 598.1 | 610.1 | 619.6 |
| 17.5°  | 561.2 | 583.5 | 594.7 | 609.3 | 620.4 |
| 20°    | 550.9 | 574.9 | 591.2 | 606.7 | 619.6 |
| 22.5°  | 538.9 | 566.4 | 585.2 | 604.1 | 617.0 |
| 25°    | 526.9 | 556.1 | 579.2 | 599.8 | 612.7 |
| 27.5°  | 513.2 | 544.9 | 571.5 | 594.7 | 609.3 |
| 30°    | 497.7 | 532.0 | 562.9 | 588.7 | 603.3 |
| 32.5°  | 482.3 | 519.2 | 552.6 | 581.8 | 597.3 |
| 35°    | 466.0 | 504.6 | 543.2 | 574.1 | 590.4 |
| 37.5°  | 447.9 | 490.0 | 532.0 | 565.5 | 582.7 |
| 40°    | 429.9 | 474.5 | 520.0 | 556.1 | 574.1 |
| 42.5°  | 411.0 | 457.4 | 507.1 | 544.9 | 563.8 |
| 45°    | 391.3 | 441.1 | 493.4 | 533.8 | 552.6 |
| 47.5°  | 371.6 | 423.1 | 478.8 | 520.9 | 540.6 |
| 50°    | 350.1 | 404.2 | 463.4 | 507.1 | 527.7 |
| 52.5°  | 327.8 | 385.3 | 447.1 | 493.4 | 514.0 |
| 55°    | 305.5 | 364.7 | 429.9 | 478.0 | 499.4 |
| 57.5°  | 282.3 | 343.2 | 411.9 | 461.7 | 483.1 |
| 60°    | 258.3 | 321.8 | 393.9 | 444.5 | 466.8 |
| 62.5°  | 234.3 | 300.3 | 374.1 | 426.5 | 449.7 |
| 65°    | 210.2 | 277.2 | 353.5 | 408.5 | 429.9 |
| 67.5°  | 184.5 | 254.9 | 332.1 | 388.7 | 411.0 |
| 70°    | 158.8 | 230.8 | 311.5 | 368.1 | 390.4 |
| 72.5°  | 133.0 | 206.8 | 289.2 | 347.5 | 369.9 |
| 75°    | 107.3 | 183.6 | 266.9 | 326.1 | 348.4 |
| 77.5°  | 84.1  | 160.5 | 244.6 | 304.6 | 326.9 |
| 80°    | 60.1  | 138.2 | 223.1 | 284.0 | 305.5 |
| 82.5°  | 37.8  | 116.7 | 203.4 | 264.3 | 285.8 |
| 85°    | 19.7  | 98.7  | 186.2 | 247.1 | 268.6 |
| 87.5°  | 6.0   | 85.0  | 171.6 | 232.6 | 254.0 |
| 90°    | 0.9   | 77.2  | 163.9 | 224.0 | 245.4 |
| 92.5°  | 0.0   | 74.7  | 160.5 | 219.7 | 241.1 |
| 95°    | 0.0   | 72.9  | 157.0 | 216.2 | 236.8 |
| 97.5°  | 0.0   | 70.4  | 153.6 | 212.0 | 231.7 |
| 100°   | 0.0   | 66.9  | 150.2 | 206.8 | 227.4 |
| 102.5° | 0.0   | 62.6  | 145.9 | 201.7 | 221.4 |
| 105°   | 0.9   | 58.4  | 140.7 | 196.5 | 216.2 |
| 107.5° | 0.9   | 53.2  | 135.6 | 190.5 | 210.2 |
| 110°   | 0.9   | 48.9  | 128.7 | 182.8 | 202.5 |

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**CANDELA DISTRIBUTION (continued):**

|        | 0°  | 22.5° | 45°   | 67.5° | 90°   |
|--------|-----|-------|-------|-------|-------|
| 112.5° | 0.9 | 46.3  | 121.9 | 175.1 | 194.8 |
| 115°   | 0.9 | 44.6  | 115.0 | 167.3 | 187.1 |
| 117.5° | 0.9 | 42.0  | 108.1 | 158.8 | 177.6 |
| 120°   | 0.9 | 39.5  | 101.3 | 149.3 | 168.2 |
| 122.5° | 0.9 | 36.0  | 93.5  | 140.7 | 158.8 |
| 125°   | 0.9 | 34.3  | 86.7  | 131.3 | 148.5 |
| 127.5° | 0.9 | 32.6  | 82.4  | 121.9 | 139.0 |
| 130°   | 0.9 | 30.9  | 78.1  | 112.4 | 128.7 |
| 132.5° | 0.9 | 29.2  | 73.8  | 103.8 | 119.3 |
| 135°   | 0.9 | 27.5  | 68.6  | 97.8  | 109.8 |
| 137.5° | 0.9 | 25.7  | 64.4  | 91.8  | 103.0 |
| 140°   | 0.9 | 24.0  | 60.1  | 85.8  | 96.1  |
| 142.5° | 0.9 | 22.3  | 55.8  | 79.8  | 90.1  |
| 145°   | 0.9 | 19.7  | 50.6  | 73.8  | 82.4  |
| 147.5° | 0.9 | 17.2  | 45.5  | 67.8  | 75.5  |
| 150°   | 0.9 | 15.4  | 40.3  | 61.8  | 69.5  |
| 152.5° | 1.7 | 13.7  | 35.2  | 55.8  | 62.6  |
| 155°   | 1.7 | 11.2  | 30.0  | 48.1  | 55.8  |
| 157.5° | 1.7 | 9.4   | 24.9  | 40.3  | 48.9  |
| 160°   | 1.7 | 7.7   | 20.6  | 32.6  | 41.2  |
| 162.5° | 1.7 | 6.0   | 16.3  | 25.7  | 34.3  |
| 165°   | 1.7 | 5.1   | 12.0  | 19.7  | 27.5  |
| 167.5° | 1.7 | 4.3   | 9.4   | 13.7  | 21.5  |
| 170°   | 1.7 | 3.4   | 6.9   | 9.4   | 14.6  |
| 172.5° | 1.7 | 2.6   | 4.3   | 6.0   | 4.3   |
| 175°   | 1.7 | 1.7   | 2.6   | 2.6   | 1.7   |
| 177.5° | 1.7 | 1.7   | 1.7   | 0.9   | 0.9   |
| 180°   | 0.9 | 0.9   | 0.9   | 0.9   | 0.9   |

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**CIE UGR TABLE:**

| Reflectances:   |      |                  |      |      |      |      |                |      |      |      |      |
|-----------------|------|------------------|------|------|------|------|----------------|------|------|------|------|
| Ceiling         |      | 0.7              | 0.7  | 0.5  | 0.5  | 0.3  | 0.7            | 0.7  | 0.5  | 0.5  | 0.3  |
| Wall            |      | 0.5              | 0.3  | 0.5  | 0.3  | 0.3  | 0.5            | 0.3  | 0.5  | 0.3  | 0.3  |
| Reference plane |      | 0.2              | 0.2  | 0.2  | 0.2  | 0.2  | 0.2            | 0.2  | 0.2  | 0.2  | 0.2  |
| Room Dimensions |      | Viewed crosswise |      |      |      |      | Viewed endwise |      |      |      |      |
| X=2H            | Y=2H | 16.9             | 18.2 | 17.5 | 18.9 | 19.6 | 20.9           | 22.2 | 21.5 | 22.9 | 23.6 |
|                 | 3H   | 18.2             | 19.5 | 18.9 | 20.1 | 20.9 | 23.7           | 24.9 | 24.3 | 25.6 | 26.3 |
|                 | 4H   | 18.7             | 19.8 | 19.3 | 20.5 | 21.3 | 25.0           | 26.2 | 25.7 | 26.9 | 27.7 |
|                 | 6H   | 18.9             | 20.0 | 19.5 | 20.6 | 21.5 | 26.4           | 27.5 | 27.1 | 28.2 | 29.0 |
|                 | 8H   | 18.9             | 20.0 | 19.6 | 20.7 | 21.5 | 27.2           | 28.2 | 27.8 | 28.9 | 29.7 |
|                 | 12H  | 18.9             | 19.9 | 19.6 | 20.6 | 21.4 | 28.0           | 29.0 | 28.6 | 29.7 | 30.5 |
| 4H              | 2H   | 18.1             | 19.3 | 18.8 | 20.0 | 20.8 | 21.2           | 22.4 | 21.9 | 23.0 | 23.8 |
|                 | 3H   | 19.8             | 20.8 | 20.4 | 21.5 | 22.3 | 24.2           | 25.2 | 24.8 | 25.9 | 26.7 |
|                 | 4H   | 20.3             | 21.2 | 21.0 | 22.0 | 22.8 | 25.7           | 26.6 | 26.4 | 27.3 | 28.1 |
|                 | 6H   | 20.7             | 21.5 | 21.4 | 22.2 | 23.1 | 27.2           | 28.1 | 27.9 | 28.8 | 29.6 |
|                 | 8H   | 20.7             | 21.5 | 21.4 | 22.2 | 23.1 | 28.1           | 28.8 | 28.8 | 29.6 | 30.4 |
|                 | 12H  | 20.8             | 21.5 | 21.5 | 22.2 | 23.1 | 29.0           | 29.7 | 29.7 | 30.4 | 31.3 |
| 8H              | 4H   | 21.3             | 22.0 | 22.0 | 22.8 | 23.6 | 25.8           | 26.6 | 26.5 | 27.3 | 28.2 |
|                 | 6H   | 21.8             | 22.5 | 22.6 | 23.3 | 24.1 | 27.5           | 28.2 | 28.3 | 28.9 | 29.8 |
|                 | 8H   | 22.0             | 22.6 | 22.8 | 23.4 | 24.3 | 28.5           | 29.0 | 29.2 | 29.8 | 30.7 |
|                 | 12H  | 22.1             | 22.6 | 22.9 | 23.4 | 24.3 | 29.5           | 30.1 | 30.3 | 30.8 | 31.8 |
| 12H             | 4H   | 21.5             | 22.2 | 22.3 | 23.0 | 23.9 | 25.8           | 26.5 | 26.5 | 27.3 | 28.1 |
|                 | 6H   | 22.2             | 22.8 | 23.0 | 23.6 | 24.5 | 27.5           | 28.1 | 28.3 | 28.9 | 29.8 |
|                 | 8H   | 22.5             | 23.0 | 23.3 | 23.8 | 24.7 | 28.5           | 29.1 | 29.3 | 29.8 | 30.7 |















(END OF REPORT)