

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: PORTFOLIO

Report Number: P1325501

Luminaire Tested: LDSQA3D05R60W2N902765DE010 3LSQCA45R 1MB_2700K

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1325501
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-81)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R60W2N902765DE010 3LSQCA45R 1MB_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R60 optic, 2700K CCT AND, 90CRI ,
3LSQCA45R 1MB TRIM
Light Source: -
Ballast/Driver: -

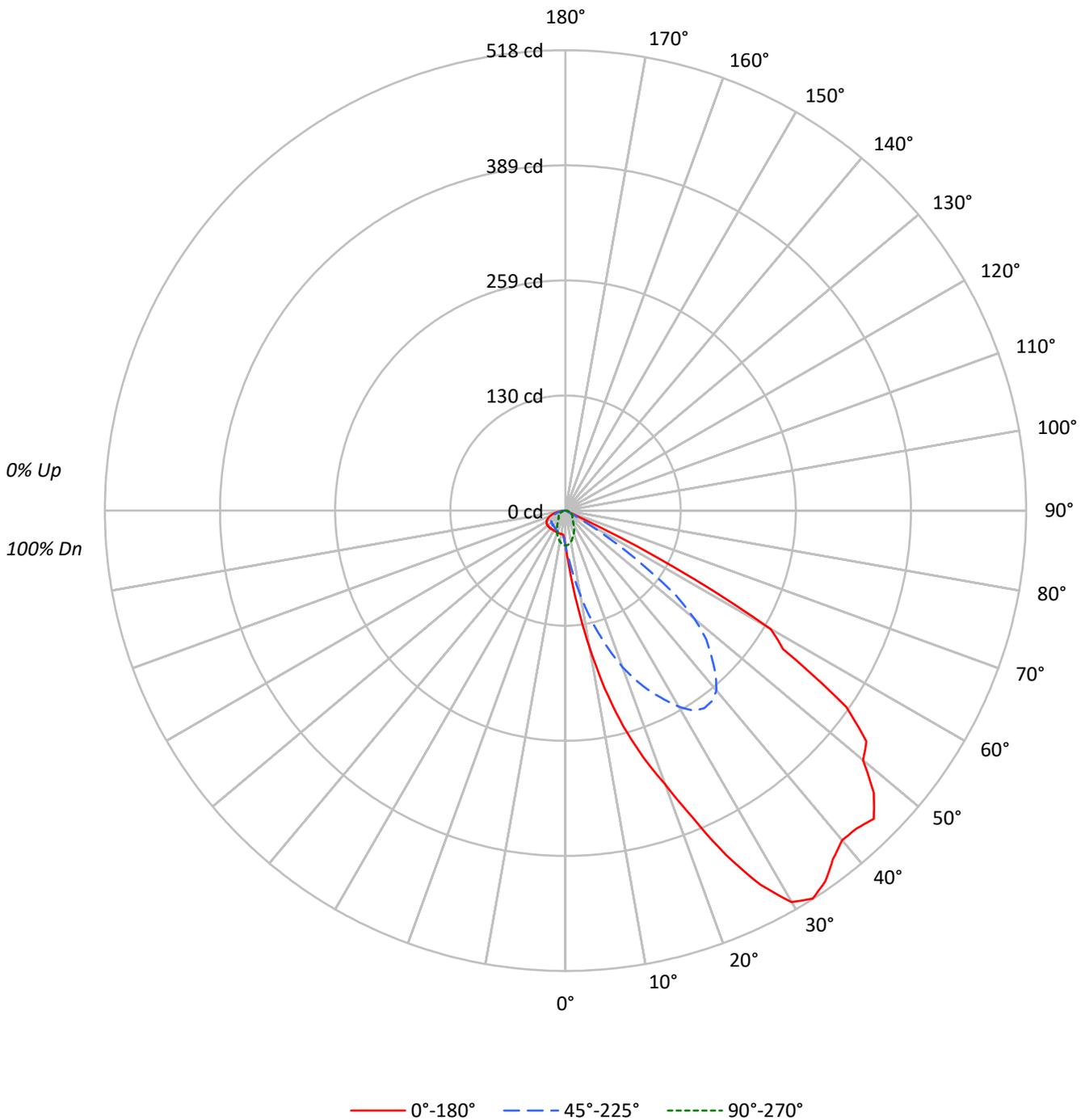
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 394.0 lumens
Efficiency: N/A
Efficacy: 66.8 lumens/watt
Spacing Criteria (0/90/45): 3.39 / 0.84 / 2.07
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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: 24 FT

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Luminous Intensity Polar Plot





TEST NUMBER: P1325501

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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 | 50 | 30 | 10 | 50 | 30 | 10 | 0 | | |
| RCR | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 102 | 100 | | |
| 1 | 110 | 106 | 102 | 99 | 108 | 104 | 100 | 97 | 100 | 97 | 94 | 96 | 93 | 91 | 92 | 90 | 89 | 89 | 89 | 89 | 89 | 89 | 89 | 87 | | |
| 2 | 101 | 93 | 87 | 82 | 98 | 91 | 86 | 81 | 88 | 83 | 79 | 85 | 81 | 77 | 82 | 79 | 76 | 76 | 76 | 76 | 76 | 76 | 76 | 74 | | |
| 3 | 92 | 82 | 74 | 68 | 90 | 81 | 73 | 68 | 78 | 72 | 67 | 75 | 70 | 65 | 72 | 68 | 64 | 64 | 64 | 64 | 64 | 64 | 64 | 62 | | |
| 4 | 84 | 72 | 64 | 58 | 82 | 71 | 63 | 57 | 69 | 62 | 56 | 66 | 60 | 56 | 64 | 59 | 55 | 55 | 55 | 55 | 55 | 55 | 55 | 53 | | |
| 5 | 77 | 64 | 55 | 49 | 75 | 63 | 55 | 49 | 61 | 54 | 48 | 59 | 53 | 48 | 57 | 52 | 47 | 47 | 47 | 47 | 47 | 47 | 47 | 45 | | |
| 6 | 70 | 57 | 48 | 42 | 69 | 56 | 48 | 42 | 54 | 47 | 41 | 53 | 46 | 41 | 51 | 45 | 41 | 41 | 41 | 41 | 41 | 41 | 41 | 39 | | |
| 7 | 65 | 51 | 42 | 36 | 63 | 50 | 42 | 36 | 49 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 35 | 35 | 35 | 35 | 35 | 35 | 35 | 33 | | |
| 8 | 60 | 46 | 38 | 32 | 58 | 45 | 37 | 32 | 44 | 37 | 31 | 43 | 36 | 31 | 42 | 36 | 31 | 31 | 31 | 31 | 31 | 31 | 31 | 29 | | |
| 9 | 55 | 42 | 33 | 28 | 54 | 41 | 33 | 28 | 40 | 33 | 28 | 39 | 32 | 27 | 38 | 32 | 27 | 27 | 27 | 27 | 27 | 27 | 27 | 25 | | |
| 10 | 52 | 38 | 30 | 25 | 50 | 38 | 30 | 25 | 37 | 29 | 24 | 36 | 29 | 24 | 35 | 29 | 24 | 24 | 24 | 24 | 24 | 24 | 24 | 22 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0° | 6717 | 6717 | 6717 | 6717 | 6717 |
| 5° | 13243 | 10338 | 6621 | 5014 | 4772 |
| 10° | 27369 | 16841 | 6208 | 4564 | 4634 |
| 15° | 44771 | 25283 | 5563 | 4600 | 4725 |
| 20° | 60059 | 34273 | 4985 | 4600 | 4783 |
| 25° | 81255 | 42528 | 4352 | 4561 | 4960 |
| 30° | 101143 | 50631 | 3639 | 4554 | 5190 |
| 35° | 107078 | 57082 | 3091 | 4667 | 5424 |
| 40° | 108791 | 59353 | 2810 | 4834 | 5868 |
| 45° | 119417 | 56530 | 2704 | 5139 | 6357 |
| 50° | 117059 | 50666 | 2679 | 5466 | 6993 |
| 55° | 115721 | 31077 | 2702 | 5915 | 7747 |
| 60° | 91795 | 7406 | 2824 | 6303 | 8404 |
| 65° | 5827 | 1304 | 2771 | 6439 | 9047 |
| 70° | 1259 | 1460 | 2719 | 6697 | 9567 |
| 75° | 1198 | 1397 | 2396 | 6455 | 9782 |
| 80° | 1091 | 1389 | 2479 | 6347 | 9224 |
| 85° | 790 | 1383 | 2766 | 5730 | 9287 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 52.5°
 Luminance: 126035 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 4.9 | 1.2 |
| 10°-20° | 24.6 | 6.2 |
| 20°-30° | 57.0 | 14.5 |
| 30°-40° | 88.6 | 22.5 |
| 40°-50° | 100.9 | 25.6 |
| 50°-60° | 85.0 | 21.6 |
| 60°-70° | 24.7 | 6.3 |
| 70°-80° | 6.3 | 1.6 |
| 80°-90° | 2.1 | 0.5 |
| 90°-100° | 0.0 | 0.0 |
| 100°-110° | 0.0 | 0.0 |
| 110°-120° | 0.0 | 0.0 |
| 120°-130° | 0.0 | 0.0 |
| 130°-140° | 0.0 | 0.0 |
| 140°-150° | 0.0 | 0.0 |
| 150°-160° | 0.0 | 0.0 |
| 160°-170° | 0.0 | 0.0 |
| 170°-180° | 0.0 | 0.0 |
| 0°-30° | 86.4 | 21.9 |
| 0°-40° | 175.0 | 44.4 |
| 0°-60° | 360.9 | 91.6 |
| 0°-90° | 394.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 394.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 39 | 39 | 39 | 39 | 39 | |
| 5° | 77 | 60 | 38 | 29 | 28 | 10 |
| 15° | 251 | 142 | 31 | 26 | 26 | 73 |
| 25° | 428 | 224 | 23 | 24 | 26 | 199 |
| 35° | 509 | 272 | 15 | 22 | 26 | 316 |
| 45° | 490 | 232 | 11 | 21 | 26 | 369 |
| 55° | 385 | 104 | 9 | 20 | 26 | 324 |
| 65° | 14 | 3 | 7 | 16 | 22 | 71 |
| 75° | 2 | 2 | 4 | 10 | 15 | 2 |
| 85° | 0 | 1 | 1 | 3 | 5 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 45° | 67.5° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|
| 0° | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 | 39.0 |
| 2.5° | 52.6 | 52.3 | 52.3 | 51.9 | 51.6 | 51.2 | 50.1 | 49.8 | 47.6 | 43.3 | 39.0 |
| 5° | 76.6 | 76.3 | 75.2 | 74.9 | 73.1 | 70.6 | 68.0 | 65.5 | 59.8 | 47.6 | 38.3 |
| 7.5° | 111.0 | 111.7 | 111.0 | 107.1 | 104.6 | 100.6 | 93.1 | 87.7 | 76.3 | 51.9 | 36.9 |
| 10° | 156.5 | 156.5 | 155.4 | 149.3 | 144.0 | 136.5 | 126.8 | 117.5 | 96.3 | 55.9 | 35.5 |
| 12.5° | 205.9 | 207.0 | 201.6 | 196.6 | 187.0 | 177.6 | 164.4 | 150.4 | 119.3 | 59.1 | 33.7 |
| 15° | 251.1 | 250.3 | 245.0 | 238.5 | 228.5 | 215.6 | 201.6 | 183.7 | 141.8 | 61.2 | 31.2 |
| 17.5° | 291.2 | 289.7 | 285.1 | 277.9 | 265.7 | 251.4 | 233.5 | 214.2 | 165.1 | 63.0 | 29.4 |
| 20° | 327.7 | 322.7 | 317.3 | 309.8 | 298.0 | 282.9 | 264.3 | 242.5 | 187.0 | 63.0 | 27.2 |
| 22.5° | 373.9 | 368.9 | 361.4 | 349.9 | 334.2 | 315.5 | 293.7 | 269.0 | 206.3 | 61.6 | 25.1 |
| 25° | 427.6 | 423.7 | 410.8 | 396.1 | 375.7 | 353.5 | 328.1 | 294.8 | 223.8 | 59.5 | 22.9 |
| 27.5° | 474.6 | 470.3 | 457.4 | 435.9 | 411.2 | 384.7 | 357.8 | 323.8 | 239.2 | 55.5 | 20.4 |
| 30° | 508.6 | 503.2 | 493.2 | 472.8 | 442.7 | 410.4 | 378.6 | 346.0 | 254.6 | 50.9 | 18.3 |
| 32.5° | 517.5 | 516.8 | 509.3 | 494.2 | 467.4 | 431.9 | 394.0 | 358.5 | 266.8 | 44.8 | 16.5 |
| 35° | 509.3 | 510.4 | 508.9 | 501.4 | 481.7 | 447.0 | 404.0 | 365.3 | 271.5 | 38.7 | 14.7 |
| 37.5° | 494.2 | 495.7 | 498.2 | 499.3 | 486.7 | 455.9 | 409.7 | 368.2 | 270.4 | 32.6 | 13.6 |
| 40° | 483.9 | 483.1 | 483.1 | 490.3 | 487.8 | 459.9 | 410.4 | 366.0 | 264.0 | 26.1 | 12.5 |
| 42.5° | 484.9 | 477.1 | 471.7 | 483.1 | 486.7 | 458.1 | 405.8 | 360.3 | 250.0 | 20.1 | 11.5 |
| 45° | 490.3 | 473.5 | 464.2 | 478.8 | 484.6 | 452.0 | 397.2 | 351.7 | 232.1 | 14.0 | 11.1 |
| 47.5° | 470.3 | 459.1 | 457.7 | 478.5 | 480.6 | 441.6 | 383.9 | 338.1 | 214.9 | 9.7 | 10.4 |
| 50° | 436.9 | 435.2 | 442.7 | 464.2 | 464.5 | 424.4 | 368.9 | 313.4 | 189.1 | 6.8 | 10.0 |
| 52.5° | 426.6 | 427.6 | 434.4 | 445.5 | 435.2 | 395.4 | 341.7 | 292.6 | 156.5 | 5.4 | 9.7 |
| 55° | 385.4 | 387.2 | 393.6 | 400.4 | 392.9 | 359.9 | 308.7 | 267.5 | 103.5 | 5.0 | 9.0 |
| 57.5° | 290.1 | 294.8 | 306.6 | 312.7 | 313.4 | 293.3 | 279.7 | 230.6 | 58.4 | 5.0 | 8.6 |
| 60° | 266.5 | 260.4 | 255.0 | 242.5 | 231.0 | 228.5 | 229.9 | 173.0 | 21.5 | 4.7 | 8.2 |
| 62.5° | 139.3 | 136.5 | 144.7 | 150.1 | 151.5 | 159.4 | 149.0 | 91.3 | 4.7 | 4.7 | 7.5 |
| 65° | 14.3 | 14.3 | 17.5 | 23.3 | 38.7 | 51.6 | 49.1 | 26.5 | 3.2 | 4.3 | 6.8 |
| 67.5° | 4.3 | 4.3 | 4.3 | 5.0 | 6.4 | 6.4 | 5.4 | 3.9 | 3.2 | 3.9 | 6.1 |
| 70° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.9 | 2.5 | 2.9 | 3.6 | 5.4 |
| 72.5° | 2.1 | 2.1 | 2.1 | 2.1 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 3.2 | 4.7 |
| 75° | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 1.8 | 2.1 | 2.1 | 2.5 | 3.6 |
| 77.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.8 | 1.8 | 1.8 | 2.1 | 2.9 |
| 80° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.4 | 1.4 | 1.4 | 1.4 | 1.8 | 2.5 |
| 82.5° | 0.7 | 0.7 | 0.7 | 0.7 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.4 | 1.8 |
| 85° | 0.4 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 1.1 | 1.4 |
| 87.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.7 | 0.7 | 1.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 112.5° | 135° | 157.5° | 180° |
|-------|--------|------|--------|------|
| 0° | 39.0 | 39.0 | 39.0 | 39.0 |
| 2.5° | 35.5 | 32.9 | 31.5 | 30.8 |
| 5° | 32.2 | 29.0 | 27.9 | 27.6 |
| 7.5° | 29.4 | 27.2 | 26.9 | 26.9 |
| 10° | 27.6 | 26.1 | 26.5 | 26.5 |
| 12.5° | 26.5 | 26.1 | 26.5 | 26.9 |
| 15° | 25.4 | 25.8 | 26.5 | 26.5 |
| 17.5° | 24.7 | 25.4 | 26.1 | 26.5 |
| 20° | 23.6 | 25.1 | 26.1 | 26.1 |
| 22.5° | 22.9 | 24.7 | 25.8 | 26.1 |
| 25° | 22.2 | 24.0 | 25.4 | 26.1 |
| 27.5° | 21.1 | 23.6 | 25.4 | 25.8 |
| 30° | 20.1 | 22.9 | 25.1 | 26.1 |
| 32.5° | 19.0 | 22.6 | 25.1 | 25.8 |
| 35° | 18.3 | 22.2 | 25.1 | 25.8 |
| 37.5° | 17.5 | 21.8 | 25.1 | 26.1 |
| 40° | 17.2 | 21.5 | 24.7 | 26.1 |
| 42.5° | 16.5 | 21.5 | 24.7 | 26.1 |
| 45° | 16.1 | 21.1 | 24.7 | 26.1 |
| 47.5° | 15.8 | 20.8 | 24.7 | 26.1 |
| 50° | 15.0 | 20.4 | 24.4 | 26.1 |
| 52.5° | 14.7 | 20.1 | 24.4 | 26.1 |
| 55° | 14.0 | 19.7 | 24.0 | 25.8 |
| 57.5° | 13.6 | 19.0 | 23.6 | 25.1 |
| 60° | 12.9 | 18.3 | 22.9 | 24.4 |
| 62.5° | 11.8 | 17.2 | 21.8 | 23.6 |
| 65° | 10.7 | 15.8 | 20.8 | 22.2 |
| 67.5° | 9.7 | 14.7 | 19.3 | 20.8 |
| 70° | 8.6 | 13.3 | 17.5 | 19.0 |
| 72.5° | 7.5 | 11.5 | 15.8 | 16.8 |
| 75° | 6.4 | 9.7 | 13.3 | 14.7 |
| 77.5° | 5.0 | 7.9 | 11.1 | 12.2 |
| 80° | 3.9 | 6.4 | 8.6 | 9.3 |
| 82.5° | 3.2 | 4.7 | 6.4 | 6.8 |
| 85° | 2.1 | 2.9 | 3.9 | 4.7 |
| 87.5° | 1.1 | 1.4 | 1.8 | 2.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)