

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: P1314413

Luminaire Tested: LDSQA3D05R709730DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314413
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R709730DE010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

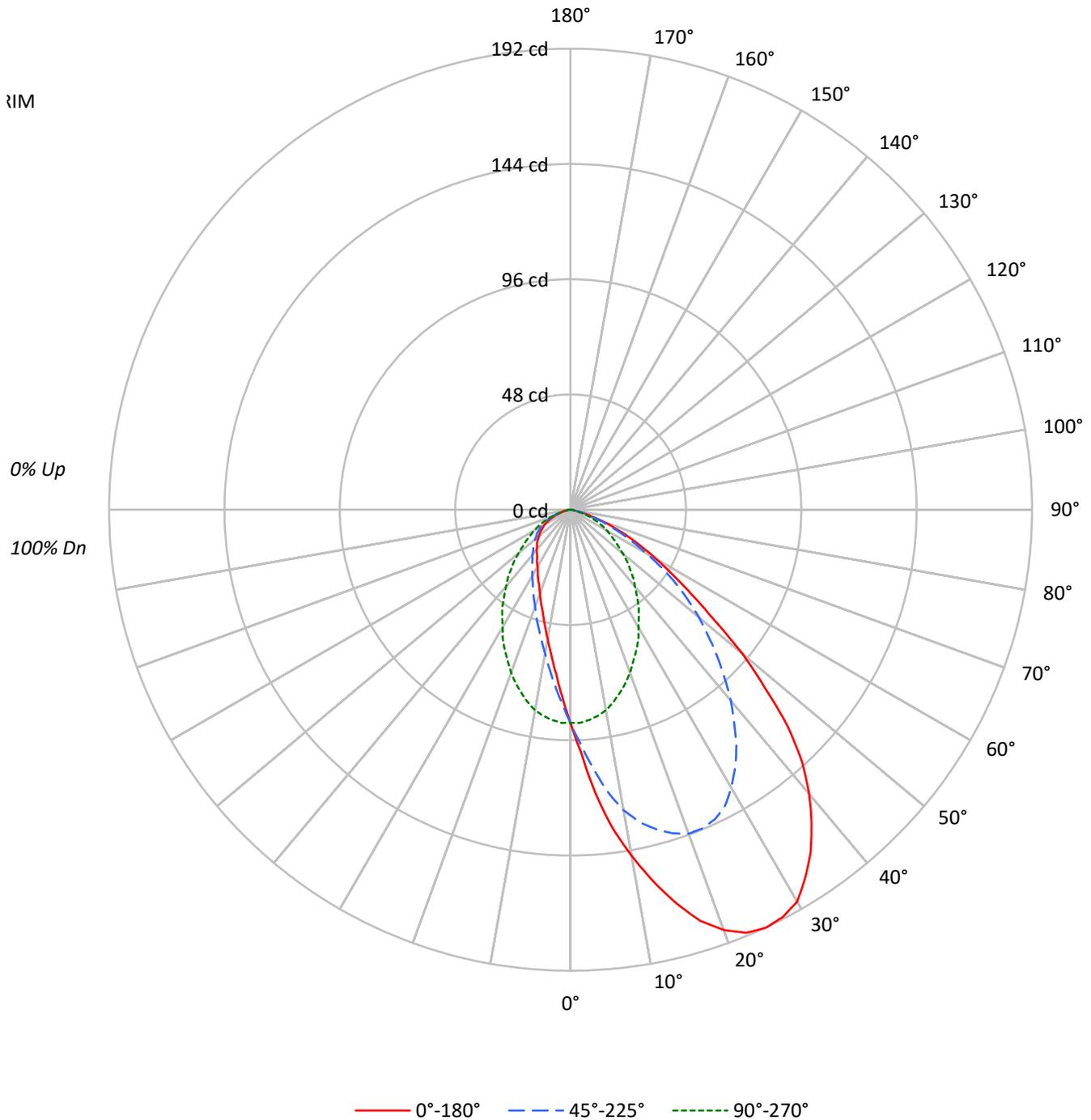
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 217.0 lumens
Efficiency: N/A
Efficacy: 30.1 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 7.2
Input Voltage (V): NR
Input Current (A_{in}): 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: P1314413

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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 | 0 |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 102 | 100 |
| 1 | 111 | 107 | 103 | 100 | 108 | 105 | 101 | 99 | 100 | 98 | 95 | 97 | 95 | 93 | 93 | 91 | 90 | 93 | 91 | 90 | 88 |
| 2 | 102 | 95 | 89 | 84 | 100 | 93 | 88 | 84 | 90 | 85 | 82 | 87 | 83 | 80 | 84 | 81 | 78 | 84 | 81 | 78 | 76 |
| 3 | 94 | 85 | 78 | 72 | 92 | 83 | 77 | 72 | 81 | 75 | 70 | 78 | 73 | 69 | 76 | 71 | 68 | 76 | 71 | 68 | 66 |
| 4 | 87 | 76 | 68 | 63 | 85 | 75 | 68 | 62 | 73 | 66 | 61 | 70 | 65 | 60 | 68 | 64 | 60 | 68 | 64 | 60 | 58 |
| 5 | 80 | 69 | 61 | 55 | 78 | 68 | 60 | 54 | 66 | 59 | 54 | 64 | 58 | 53 | 62 | 57 | 53 | 62 | 57 | 53 | 51 |
| 6 | 75 | 62 | 54 | 48 | 73 | 62 | 54 | 48 | 60 | 53 | 48 | 58 | 52 | 47 | 57 | 51 | 47 | 57 | 51 | 47 | 45 |
| 7 | 69 | 57 | 49 | 43 | 68 | 56 | 48 | 43 | 55 | 48 | 43 | 53 | 47 | 42 | 52 | 46 | 42 | 52 | 46 | 42 | 40 |
| 8 | 65 | 52 | 44 | 39 | 63 | 52 | 44 | 39 | 50 | 43 | 38 | 49 | 43 | 38 | 48 | 42 | 38 | 48 | 42 | 38 | 36 |
| 9 | 61 | 48 | 40 | 35 | 59 | 48 | 40 | 35 | 46 | 40 | 35 | 45 | 39 | 35 | 44 | 39 | 35 | 44 | 39 | 35 | 33 |
| 10 | 57 | 44 | 37 | 32 | 56 | 44 | 37 | 32 | 43 | 36 | 32 | 42 | 36 | 32 | 41 | 36 | 32 | 41 | 36 | 32 | 30 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 15293 | 15293 | 15293 | 15293 | 15293 |
| 5° | 20486 | 18688 | 15196 | 12724 | 11877 |
| 10° | 25585 | 22210 | 14830 | 10668 | 9566 |
| 15° | 30239 | 24569 | 14086 | 9129 | 7916 |
| 20° | 34126 | 26318 | 13232 | 7899 | 6818 |
| 25° | 36504 | 27022 | 12276 | 6993 | 6062 |
| 30° | 37486 | 26588 | 11236 | 6344 | 5449 |
| 35° | 36604 | 25292 | 10386 | 5845 | 5088 |
| 40° | 34712 | 23314 | 9375 | 5553 | 4946 |
| 45° | 31151 | 20995 | 8525 | 5358 | 4798 |
| 50° | 24998 | 18648 | 7582 | 5171 | 4582 |
| 55° | 18466 | 16034 | 6726 | 5134 | 4444 |
| 60° | 14226 | 12503 | 6028 | 4960 | 4340 |
| 65° | 10799 | 9332 | 5298 | 4564 | 3831 |
| 70° | 7251 | 6546 | 4079 | 4079 | 3172 |
| 75° | 3859 | 3859 | 2662 | 2662 | 2396 |
| 80° | 893 | 1785 | 1289 | 1785 | 2182 |
| 85° | 0 | 790 | 790 | 1778 | 1778 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 31151 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 8.8 | 4.0 |
| 10°-20° | 26.6 | 12.3 |
| 20°-30° | 41.0 | 18.9 |
| 30°-40° | 46.6 | 21.5 |
| 40°-50° | 42.1 | 19.4 |
| 50°-60° | 29.5 | 13.6 |
| 60°-70° | 16.2 | 7.5 |
| 70°-80° | 5.4 | 2.5 |
| 80°-90° | 0.7 | 0.3 |
| 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° | 76.4 | 35.2 |
| 0°-40° | 123.0 | 56.7 |
| 0°-60° | 194.7 | 89.7 |
| 0°-90° | 217.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 217.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 89 | 89 | 89 | 89 | 89 | |
| 5° | 118 | 108 | 88 | 74 | 69 | 12 |
| 15° | 170 | 138 | 79 | 51 | 44 | 48 |
| 25° | 192 | 142 | 65 | 37 | 32 | 88 |
| 35° | 174 | 120 | 49 | 28 | 24 | 108 |
| 45° | 128 | 86 | 35 | 22 | 20 | 97 |
| 55° | 62 | 53 | 22 | 17 | 15 | 57 |
| 65° | 26 | 23 | 13 | 11 | 9 | 26 |
| 75° | 6 | 6 | 4 | 4 | 4 | 7 |
| 85° | 0 | 0 | 0 | 1 | 1 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1314413

CATALOG NUMBER: LDSQA3D05R709730DE010 3LSQCLSWWR 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| 2.5° | 101.4 | 102.3 | 102.8 | 101.9 | 101.4 | 101.0 | 100.1 | 99.6 | 98.7 | 97.8 | 97.4 |
| 5° | 118.5 | 118.5 | 118.5 | 117.6 | 116.2 | 115.3 | 113.5 | 112.2 | 109.9 | 108.1 | 106.3 |
| 7.5° | 133.7 | 133.7 | 133.3 | 131.9 | 131.0 | 128.8 | 126.5 | 124.7 | 121.2 | 118.5 | 114.9 |
| 10° | 146.3 | 146.3 | 145.8 | 143.6 | 142.2 | 139.6 | 137.3 | 134.2 | 130.6 | 127.0 | 122.9 |
| 12.5° | 158.4 | 158.4 | 156.6 | 154.8 | 152.1 | 148.5 | 145.4 | 142.2 | 137.3 | 133.3 | 128.3 |
| 15° | 169.6 | 169.6 | 168.7 | 165.6 | 162.0 | 157.9 | 153.5 | 149.0 | 143.1 | 137.8 | 132.4 |
| 17.5° | 179.5 | 179.0 | 177.7 | 174.1 | 170.5 | 165.6 | 160.2 | 154.8 | 147.6 | 141.3 | 134.6 |
| 20° | 186.2 | 186.2 | 184.4 | 180.4 | 176.3 | 171.0 | 165.1 | 158.8 | 151.2 | 143.6 | 135.5 |
| 22.5° | 190.7 | 190.3 | 188.5 | 184.4 | 179.5 | 174.1 | 167.4 | 160.6 | 152.1 | 143.6 | 135.1 |
| 25° | 192.1 | 191.6 | 189.8 | 185.3 | 180.4 | 174.6 | 167.4 | 160.2 | 151.2 | 142.2 | 132.8 |
| 27.5° | 191.2 | 190.7 | 188.9 | 184.0 | 179.0 | 172.3 | 165.1 | 157.5 | 148.5 | 139.1 | 129.7 |
| 30° | 188.5 | 187.1 | 185.3 | 180.8 | 175.4 | 168.7 | 161.1 | 152.6 | 143.6 | 133.7 | 124.3 |
| 32.5° | 181.7 | 181.7 | 179.5 | 175.0 | 169.6 | 162.4 | 154.8 | 146.7 | 136.9 | 127.4 | 117.6 |
| 35° | 174.1 | 173.7 | 171.9 | 166.9 | 162.0 | 155.3 | 147.6 | 139.1 | 129.7 | 120.3 | 110.8 |
| 37.5° | 164.7 | 164.2 | 162.4 | 157.9 | 152.6 | 146.3 | 138.2 | 130.1 | 121.2 | 111.7 | 103.2 |
| 40° | 154.4 | 153.5 | 151.2 | 147.6 | 143.1 | 136.0 | 128.8 | 120.7 | 112.2 | 103.7 | 95.1 |
| 42.5° | 142.7 | 141.8 | 140.0 | 137.3 | 131.9 | 125.6 | 118.9 | 111.3 | 103.2 | 94.7 | 88.4 |
| 45° | 127.9 | 127.9 | 127.0 | 124.3 | 120.3 | 115.3 | 108.1 | 101.4 | 93.8 | 86.2 | 79.4 |
| 47.5° | 109.5 | 110.4 | 109.9 | 108.6 | 106.8 | 102.3 | 97.4 | 91.5 | 84.4 | 77.6 | 71.3 |
| 50° | 93.3 | 93.8 | 94.2 | 93.3 | 92.0 | 88.8 | 85.7 | 82.1 | 75.8 | 69.6 | 63.7 |
| 52.5° | 74.9 | 76.3 | 76.3 | 76.7 | 76.7 | 75.8 | 74.9 | 70.9 | 67.8 | 61.5 | 56.1 |
| 55° | 61.5 | 61.5 | 61.5 | 62.4 | 62.8 | 63.3 | 62.4 | 61.5 | 57.9 | 53.4 | 48.5 |
| 57.5° | 50.3 | 50.3 | 51.2 | 50.7 | 50.7 | 51.6 | 51.6 | 51.2 | 48.9 | 44.9 | 40.4 |
| 60° | 41.3 | 41.3 | 41.3 | 41.3 | 41.7 | 41.7 | 41.7 | 41.7 | 39.9 | 36.3 | 32.8 |
| 62.5° | 33.2 | 33.2 | 33.2 | 33.7 | 33.7 | 33.7 | 34.1 | 33.7 | 31.9 | 29.2 | 26.0 |
| 65° | 26.5 | 26.0 | 26.5 | 26.5 | 26.9 | 26.9 | 26.9 | 26.5 | 24.7 | 22.9 | 20.6 |
| 67.5° | 19.7 | 20.2 | 20.2 | 20.2 | 20.6 | 21.1 | 20.6 | 20.2 | 18.8 | 17.1 | 16.2 |
| 70° | 14.4 | 14.8 | 14.8 | 14.8 | 15.3 | 15.7 | 15.3 | 14.8 | 13.9 | 13.0 | 12.1 |
| 72.5° | 9.4 | 9.9 | 9.9 | 10.3 | 10.8 | 10.8 | 10.3 | 10.3 | 9.9 | 9.0 | 8.5 |
| 75° | 5.8 | 5.8 | 6.3 | 6.3 | 6.7 | 6.7 | 6.7 | 6.3 | 6.3 | 5.8 | 5.8 |
| 77.5° | 2.7 | 2.7 | 3.1 | 3.1 | 3.1 | 3.6 | 3.6 | 3.6 | 3.6 | 3.6 | 3.1 |
| 80° | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 1.3 | 1.3 | 1.3 | 1.8 | 1.8 | 1.8 |
| 82.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.9 | 0.9 | 0.9 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 | 0.4 | 0.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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):

| | 55° | 60° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-------|-------|------|--------|------|--------|------|
| 0° | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 | 88.8 |
| 2.5° | 96.5 | 95.1 | 93.3 | 88.8 | 84.4 | 80.8 | 78.5 | 78.1 |
| 5° | 104.1 | 101.9 | 97.8 | 87.9 | 79.9 | 73.6 | 70.0 | 68.7 |
| 7.5° | 111.7 | 107.7 | 101.9 | 86.6 | 74.5 | 66.9 | 62.8 | 61.0 |
| 10° | 118.0 | 113.1 | 105.4 | 84.8 | 70.0 | 61.0 | 56.1 | 54.7 |
| 12.5° | 122.9 | 117.1 | 107.7 | 82.1 | 65.5 | 55.6 | 50.7 | 49.4 |
| 15° | 126.1 | 119.8 | 109.0 | 79.0 | 61.0 | 51.2 | 46.2 | 44.4 |
| 17.5° | 127.4 | 119.8 | 108.6 | 75.8 | 57.0 | 47.1 | 42.2 | 40.8 |
| 20° | 127.4 | 118.9 | 107.2 | 72.2 | 52.9 | 43.1 | 38.6 | 37.2 |
| 22.5° | 126.1 | 117.1 | 104.1 | 68.2 | 49.4 | 39.9 | 35.4 | 34.1 |
| 25° | 123.4 | 113.5 | 100.5 | 64.6 | 45.8 | 36.8 | 32.8 | 31.9 |
| 27.5° | 119.4 | 109.5 | 96.0 | 61.0 | 42.6 | 34.1 | 30.5 | 29.6 |
| 30° | 114.4 | 104.6 | 91.1 | 56.5 | 39.5 | 31.9 | 28.7 | 27.4 |
| 32.5° | 108.1 | 98.7 | 85.7 | 52.9 | 36.8 | 29.6 | 26.9 | 26.0 |
| 35° | 101.4 | 92.9 | 79.9 | 49.4 | 34.1 | 27.8 | 25.1 | 24.2 |
| 37.5° | 94.7 | 85.7 | 74.9 | 45.3 | 31.9 | 26.0 | 23.8 | 22.9 |
| 40° | 87.5 | 80.8 | 69.6 | 41.7 | 30.1 | 24.7 | 22.4 | 22.0 |
| 42.5° | 80.3 | 73.1 | 61.9 | 38.6 | 27.8 | 22.9 | 21.1 | 20.6 |
| 45° | 71.8 | 65.1 | 56.1 | 35.0 | 26.0 | 22.0 | 20.2 | 19.7 |
| 47.5° | 64.6 | 58.3 | 50.3 | 31.9 | 24.2 | 20.6 | 18.8 | 18.4 |
| 50° | 57.9 | 51.6 | 44.0 | 28.3 | 22.4 | 19.3 | 17.9 | 17.1 |
| 52.5° | 50.3 | 44.9 | 38.1 | 25.1 | 20.6 | 17.9 | 16.6 | 16.2 |
| 55° | 43.5 | 38.1 | 31.9 | 22.4 | 18.8 | 17.1 | 15.3 | 14.8 |
| 57.5° | 35.9 | 31.4 | 26.9 | 19.7 | 17.1 | 15.3 | 14.4 | 13.5 |
| 60° | 29.2 | 26.0 | 22.9 | 17.5 | 15.3 | 14.4 | 13.0 | 12.6 |
| 62.5° | 23.8 | 21.5 | 19.3 | 15.3 | 13.5 | 12.6 | 11.7 | 10.8 |
| 65° | 18.8 | 17.5 | 15.7 | 13.0 | 11.7 | 11.2 | 10.3 | 9.4 |
| 67.5° | 14.8 | 13.9 | 12.6 | 10.3 | 9.9 | 9.4 | 8.5 | 7.6 |
| 70° | 11.2 | 10.8 | 9.9 | 8.1 | 7.6 | 8.1 | 7.2 | 6.3 |
| 72.5° | 8.1 | 7.6 | 7.2 | 5.8 | 5.8 | 5.8 | 5.4 | 4.5 |
| 75° | 5.4 | 4.9 | 4.5 | 4.0 | 4.0 | 4.0 | 4.0 | 3.6 |
| 77.5° | 3.1 | 3.1 | 2.7 | 2.2 | 2.7 | 2.7 | 3.1 | 3.1 |
| 80° | 1.3 | 1.3 | 1.3 | 1.3 | 1.8 | 1.8 | 2.2 | 2.2 |
| 82.5° | 0.9 | 0.9 | 0.9 | 0.9 | 1.3 | 1.3 | 1.3 | 1.3 |
| 85° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.9 | 0.9 | 0.9 |
| 87.5° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)