

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: P1316188

Luminaire Tested: LDSQA3D02R709740DE010 3LSQCLSWWR 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316188
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-72)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R709740DE010 3LSQCLSWWR 1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 4000K CCT AND, 97CRI , 3LSQCLSWWR 1MMS T
Light Source: -
Ballast/Driver: -

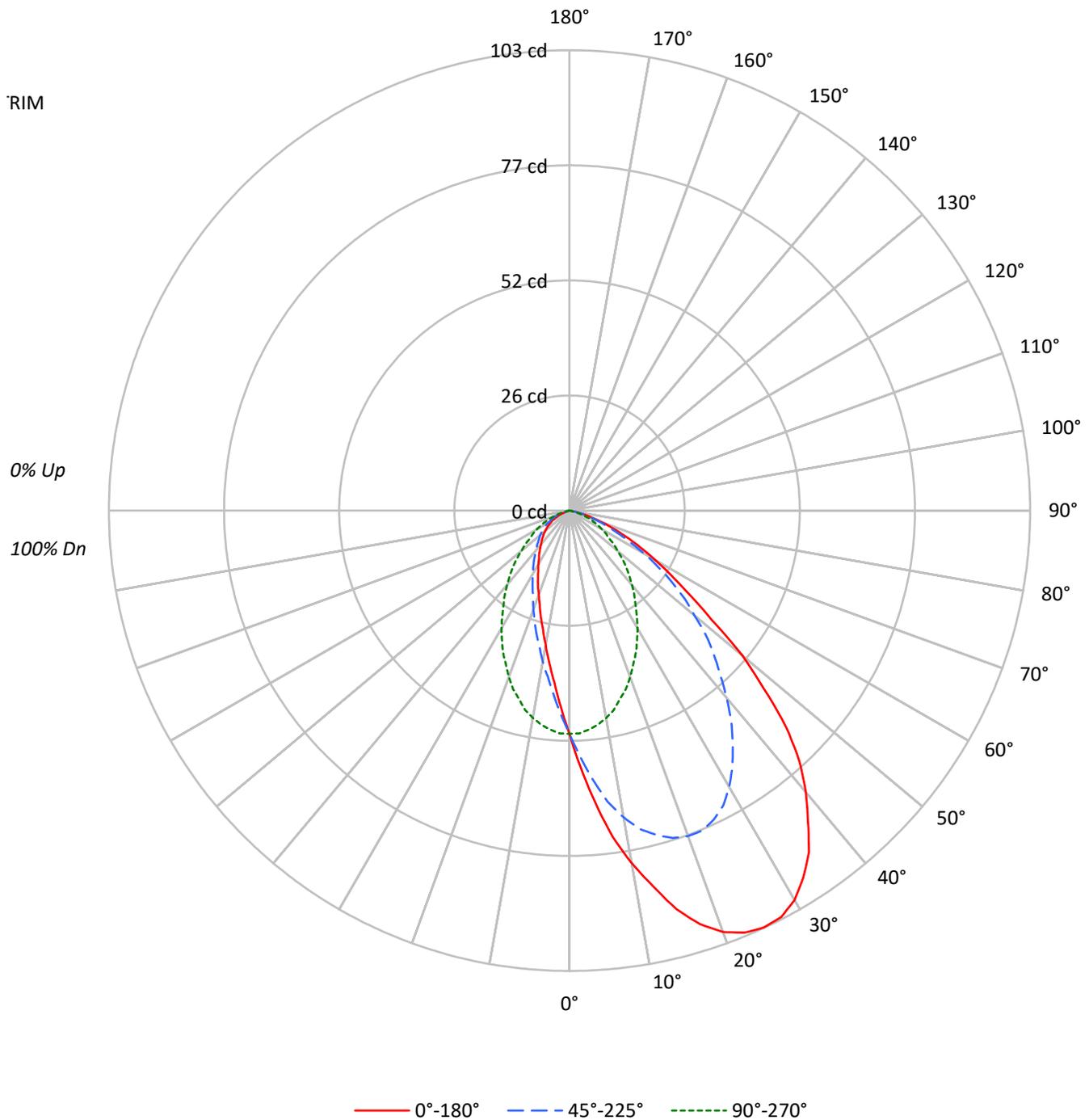
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 112.0 lumens
Efficiency: N/A
Efficacy: 31.1 lumens/watt
Spacing Criteria (0/90/45): 1.52 / 0.97 / 1.29
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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

TEST NUMBER: P1316188
CATALOG NUMBER: LDSQA3D02R709740DE010 3LSQCLSWWR 1MMS

Luminous Intensity Polar Plot





TEST NUMBER: P1316188

CATALOG NUMBER: LDSQA3D02R709740DE010 3LSQCLSWWR 1MMS

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 | 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 | 104 | 101 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 94 | 92 | 90 | 90 | 90 | 90 | 89 |
| 2 | 103 | 96 | 90 | 86 | 100 | 94 | 89 | 85 | 91 | 86 | 83 | 88 | 84 | 81 | 85 | 82 | 79 | 79 | 79 | 79 | 77 |
| 3 | 95 | 86 | 79 | 73 | 93 | 84 | 78 | 73 | 82 | 76 | 72 | 79 | 74 | 70 | 76 | 73 | 69 | 69 | 69 | 69 | 67 |
| 4 | 88 | 77 | 70 | 64 | 86 | 76 | 69 | 63 | 74 | 67 | 63 | 71 | 66 | 62 | 69 | 65 | 61 | 61 | 61 | 61 | 59 |
| 5 | 81 | 70 | 62 | 56 | 79 | 69 | 61 | 56 | 67 | 60 | 55 | 65 | 59 | 55 | 63 | 58 | 54 | 54 | 54 | 54 | 52 |
| 6 | 75 | 64 | 55 | 50 | 74 | 63 | 55 | 49 | 61 | 54 | 49 | 59 | 53 | 49 | 58 | 52 | 48 | 48 | 48 | 48 | 46 |
| 7 | 70 | 58 | 50 | 44 | 69 | 57 | 50 | 44 | 56 | 49 | 44 | 54 | 48 | 44 | 53 | 48 | 43 | 43 | 43 | 43 | 42 |
| 8 | 66 | 53 | 45 | 40 | 64 | 53 | 45 | 40 | 51 | 45 | 40 | 50 | 44 | 39 | 49 | 43 | 39 | 39 | 39 | 39 | 38 |
| 9 | 62 | 49 | 41 | 36 | 60 | 49 | 41 | 36 | 47 | 41 | 36 | 46 | 40 | 36 | 45 | 40 | 36 | 36 | 36 | 36 | 34 |
| 10 | 58 | 45 | 38 | 33 | 57 | 45 | 38 | 33 | 44 | 37 | 33 | 43 | 37 | 33 | 42 | 37 | 33 | 33 | 33 | 33 | 31 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|------|------|------|
| 0° | 8594 | 8594 | 8594 | 8594 | 8594 |
| 5° | 11324 | 10459 | 8506 | 7123 | 6673 |
| 10° | 14008 | 12189 | 8237 | 6016 | 5351 |
| 15° | 16457 | 13390 | 7774 | 5081 | 4404 |
| 20° | 18383 | 14204 | 7258 | 4325 | 3666 |
| 25° | 19554 | 14499 | 6670 | 3706 | 3173 |
| 30° | 20006 | 14199 | 6046 | 3242 | 2764 |
| 35° | 19616 | 13372 | 5403 | 2922 | 2481 |
| 40° | 18480 | 12275 | 4879 | 2653 | 2226 |
| 45° | 16684 | 11131 | 4360 | 2411 | 2070 |
| 50° | 13504 | 9779 | 3778 | 2277 | 1902 |
| 55° | 9819 | 8407 | 3243 | 2132 | 1711 |
| 60° | 7612 | 6648 | 2928 | 1963 | 1550 |
| 65° | 5746 | 4809 | 2404 | 1712 | 1141 |
| 70° | 4028 | 3424 | 1762 | 1309 | 705 |
| 75° | 2329 | 2063 | 932 | 599 | 133 |
| 80° | 496 | 694 | 198 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16684 cd/sqm



TEST NUMBER: P1316188

CATALOG NUMBER: LDSQA3D02R709740DE010 3LSQCLSWWR 1MMS

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 4.9 | 4.4 |
| 10°-20° | 14.6 | 13.0 |
| 20°-30° | 21.9 | 19.6 |
| 30°-40° | 24.4 | 21.8 |
| 40°-50° | 21.6 | 19.3 |
| 50°-60° | 14.7 | 13.1 |
| 60°-70° | 7.7 | 6.9 |
| 70°-80° | 2.2 | 1.9 |
| 80°-90° | 0.1 | 0.1 |
| 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° | 41.4 | 36.9 |
| 0°-40° | 65.8 | 58.7 |
| 0°-60° | 102.1 | 91.1 |
| 0°-90° | 112.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 112.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 50 | 50 | 50 | 50 | 50 | |
| 5° | 66 | 60 | 49 | 41 | 39 | 7 |
| 15° | 92 | 75 | 44 | 28 | 25 | 26 |
| 25° | 103 | 76 | 35 | 20 | 17 | 47 |
| 35° | 93 | 64 | 26 | 14 | 12 | 58 |
| 45° | 68 | 46 | 18 | 10 | 8 | 52 |
| 55° | 33 | 28 | 11 | 7 | 6 | 30 |
| 65° | 14 | 12 | 6 | 4 | 3 | 14 |
| 75° | 4 | 3 | 1 | 1 | 0 | 4 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1316188

CATALOG NUMBER: LDSQA3D02R709740DE010 3LSQCLSWWR 1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|------|------|------|------|------|------|------|------|
| 0° | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 |
| 2.5° | 57.5 | 57.2 | 57.0 | 57.0 | 56.8 | 56.5 | 56.1 | 56.1 | 55.6 | 55.1 | 54.6 |
| 5° | 65.5 | 65.5 | 65.5 | 64.8 | 64.8 | 63.8 | 63.4 | 62.4 | 61.5 | 60.5 | 59.4 |
| 7.5° | 73.5 | 73.5 | 72.8 | 72.5 | 71.8 | 70.9 | 70.2 | 68.8 | 67.1 | 65.7 | 63.8 |
| 10° | 80.1 | 80.1 | 79.4 | 78.9 | 77.5 | 76.5 | 75.1 | 73.5 | 71.8 | 69.7 | 67.4 |
| 12.5° | 86.0 | 86.2 | 85.3 | 84.3 | 82.9 | 81.5 | 79.6 | 77.5 | 75.4 | 73.0 | 70.0 |
| 15° | 92.3 | 92.1 | 90.9 | 89.7 | 88.1 | 86.0 | 83.6 | 80.8 | 78.0 | 75.1 | 71.8 |
| 17.5° | 97.0 | 96.8 | 95.6 | 94.2 | 92.1 | 89.5 | 86.9 | 83.6 | 80.3 | 76.8 | 72.8 |
| 20° | 100.3 | 100.1 | 98.9 | 97.0 | 94.9 | 92.1 | 89.0 | 85.3 | 81.7 | 77.5 | 73.0 |
| 22.5° | 102.2 | 102.0 | 100.6 | 98.9 | 96.3 | 93.3 | 90.0 | 86.0 | 82.0 | 77.5 | 72.5 |
| 25° | 102.9 | 102.5 | 101.0 | 99.2 | 96.6 | 93.3 | 89.5 | 85.3 | 81.0 | 76.3 | 71.1 |
| 27.5° | 102.5 | 102.0 | 100.3 | 98.2 | 95.4 | 91.6 | 87.9 | 83.6 | 79.1 | 74.4 | 69.0 |
| 30° | 100.6 | 99.9 | 98.5 | 96.3 | 93.3 | 89.5 | 85.5 | 81.0 | 76.3 | 71.4 | 65.9 |
| 32.5° | 97.3 | 96.8 | 95.4 | 93.0 | 90.0 | 86.2 | 82.2 | 77.5 | 72.8 | 67.8 | 62.4 |
| 35° | 93.3 | 92.3 | 90.9 | 88.8 | 85.7 | 82.0 | 78.0 | 73.0 | 68.5 | 63.6 | 58.4 |
| 37.5° | 87.6 | 87.4 | 85.7 | 84.1 | 81.0 | 77.0 | 73.3 | 68.5 | 64.1 | 59.4 | 54.2 |
| 40° | 82.2 | 81.7 | 80.3 | 78.4 | 75.4 | 71.8 | 67.8 | 63.6 | 59.1 | 54.6 | 49.9 |
| 42.5° | 76.1 | 75.4 | 74.4 | 72.5 | 69.7 | 66.2 | 62.4 | 58.2 | 54.2 | 49.9 | 45.7 |
| 45° | 68.5 | 68.3 | 67.1 | 66.2 | 63.6 | 60.5 | 56.8 | 53.0 | 49.0 | 45.7 | 42.4 |
| 47.5° | 58.9 | 58.6 | 58.4 | 57.7 | 56.3 | 54.2 | 51.3 | 47.8 | 44.8 | 41.5 | 37.0 |
| 50° | 50.4 | 50.2 | 49.7 | 49.5 | 48.3 | 47.1 | 45.0 | 42.9 | 40.3 | 36.5 | 33.0 |
| 52.5° | 40.0 | 40.3 | 41.0 | 41.2 | 41.0 | 40.0 | 39.1 | 38.4 | 34.9 | 32.5 | 29.2 |
| 55° | 32.7 | 32.7 | 32.5 | 32.7 | 33.0 | 33.4 | 33.4 | 32.5 | 30.1 | 28.0 | 25.2 |
| 57.5° | 26.9 | 26.9 | 26.9 | 26.9 | 26.9 | 27.1 | 27.1 | 26.9 | 25.7 | 23.6 | 21.0 |
| 60° | 22.1 | 21.9 | 21.9 | 22.1 | 21.9 | 21.9 | 22.1 | 22.1 | 21.0 | 19.3 | 17.0 |
| 62.5° | 17.9 | 17.9 | 17.9 | 17.7 | 17.7 | 17.9 | 17.9 | 17.7 | 16.7 | 15.1 | 13.4 |
| 65° | 14.1 | 14.1 | 14.1 | 14.1 | 14.1 | 14.4 | 14.1 | 13.9 | 13.0 | 11.8 | 10.6 |
| 67.5° | 10.8 | 10.8 | 11.1 | 10.8 | 11.1 | 11.1 | 11.1 | 10.6 | 9.9 | 9.0 | 8.2 |
| 70° | 8.0 | 8.0 | 8.0 | 8.2 | 8.5 | 8.5 | 8.2 | 7.8 | 7.3 | 6.8 | 6.1 |
| 72.5° | 5.4 | 5.7 | 5.7 | 5.7 | 5.9 | 5.9 | 5.7 | 5.4 | 5.2 | 4.7 | 4.5 |
| 75° | 3.5 | 3.3 | 3.5 | 3.5 | 3.8 | 3.8 | 3.5 | 3.5 | 3.3 | 3.1 | 2.8 |
| 77.5° | 1.6 | 1.6 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.9 | 1.6 | 1.6 |
| 80° | 0.5 | 0.5 | 0.5 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 82.5° | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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 |



TEST NUMBER: P1316188
 CATALOG NUMBER: LDSQA3D02R709740DE010 3LSQCLSWWR 1MMS

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|------|------|-------|------|--------|------|--------|------|
| 0° | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 | 49.9 |
| 2.5° | 54.2 | 53.5 | 52.5 | 49.9 | 47.6 | 45.5 | 44.3 | 44.0 |
| 5° | 57.9 | 57.0 | 54.6 | 49.2 | 44.8 | 41.2 | 39.1 | 38.6 |
| 7.5° | 61.9 | 60.1 | 56.8 | 48.3 | 41.9 | 37.4 | 35.1 | 34.4 |
| 10° | 65.0 | 62.7 | 58.2 | 47.1 | 39.1 | 34.4 | 31.6 | 30.6 |
| 12.5° | 67.1 | 64.3 | 59.4 | 45.7 | 36.7 | 31.1 | 28.3 | 27.3 |
| 15° | 68.3 | 65.2 | 59.6 | 43.6 | 33.9 | 28.5 | 25.4 | 24.7 |
| 17.5° | 68.8 | 65.2 | 59.1 | 41.9 | 31.3 | 25.9 | 23.1 | 22.1 |
| 20° | 68.5 | 64.3 | 57.9 | 39.6 | 29.0 | 23.6 | 20.7 | 20.0 |
| 22.5° | 67.6 | 62.9 | 56.1 | 37.2 | 26.6 | 21.2 | 18.8 | 18.4 |
| 25° | 66.2 | 61.0 | 53.9 | 35.1 | 24.5 | 19.5 | 17.2 | 16.7 |
| 27.5° | 63.8 | 58.6 | 51.1 | 32.7 | 22.6 | 17.9 | 15.8 | 15.1 |
| 30° | 60.8 | 55.8 | 48.3 | 30.4 | 20.7 | 16.3 | 14.4 | 13.9 |
| 32.5° | 57.5 | 52.5 | 45.5 | 28.0 | 19.1 | 15.1 | 13.2 | 12.7 |
| 35° | 53.7 | 49.0 | 41.9 | 25.7 | 17.4 | 13.9 | 12.0 | 11.8 |
| 37.5° | 49.9 | 45.2 | 38.9 | 23.8 | 16.0 | 12.7 | 11.1 | 10.8 |
| 40° | 45.7 | 41.9 | 37.2 | 21.7 | 14.8 | 11.8 | 10.4 | 9.9 |
| 42.5° | 43.1 | 37.9 | 32.0 | 19.8 | 13.7 | 10.8 | 9.4 | 9.2 |
| 45° | 37.4 | 33.7 | 29.0 | 17.9 | 12.5 | 9.9 | 8.7 | 8.5 |
| 47.5° | 33.7 | 30.4 | 25.9 | 16.0 | 11.5 | 9.2 | 8.0 | 7.8 |
| 50° | 29.9 | 26.9 | 22.6 | 14.1 | 10.6 | 8.5 | 7.3 | 7.1 |
| 52.5° | 26.1 | 23.1 | 19.3 | 12.5 | 9.4 | 7.8 | 6.6 | 6.4 |
| 55° | 22.4 | 19.5 | 16.0 | 10.8 | 8.5 | 7.1 | 6.1 | 5.7 |
| 57.5° | 18.4 | 16.0 | 13.7 | 9.7 | 7.5 | 6.4 | 5.4 | 4.9 |
| 60° | 14.8 | 13.4 | 11.5 | 8.5 | 6.6 | 5.7 | 4.7 | 4.5 |
| 62.5° | 12.0 | 10.8 | 9.7 | 7.3 | 5.9 | 4.9 | 4.2 | 3.5 |
| 65° | 9.7 | 9.0 | 8.0 | 5.9 | 4.9 | 4.2 | 3.5 | 2.8 |
| 67.5° | 7.5 | 7.1 | 6.4 | 4.9 | 4.0 | 3.5 | 2.6 | 2.1 |
| 70° | 5.9 | 5.4 | 4.9 | 3.5 | 3.1 | 2.6 | 1.9 | 1.4 |
| 72.5° | 4.2 | 3.8 | 3.5 | 2.6 | 2.1 | 1.9 | 1.2 | 0.7 |
| 75° | 2.6 | 2.6 | 2.1 | 1.4 | 1.2 | 0.9 | 0.5 | 0.2 |
| 77.5° | 1.4 | 1.4 | 1.2 | 0.7 | 0.7 | 0.2 | 0.0 | 0.0 |
| 80° | 0.7 | 0.5 | 0.5 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 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 |

(END OF REPORT)