

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: P1314233

Luminaire Tested: LDSQA3D02R709730DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1314233
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-70)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R709730DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

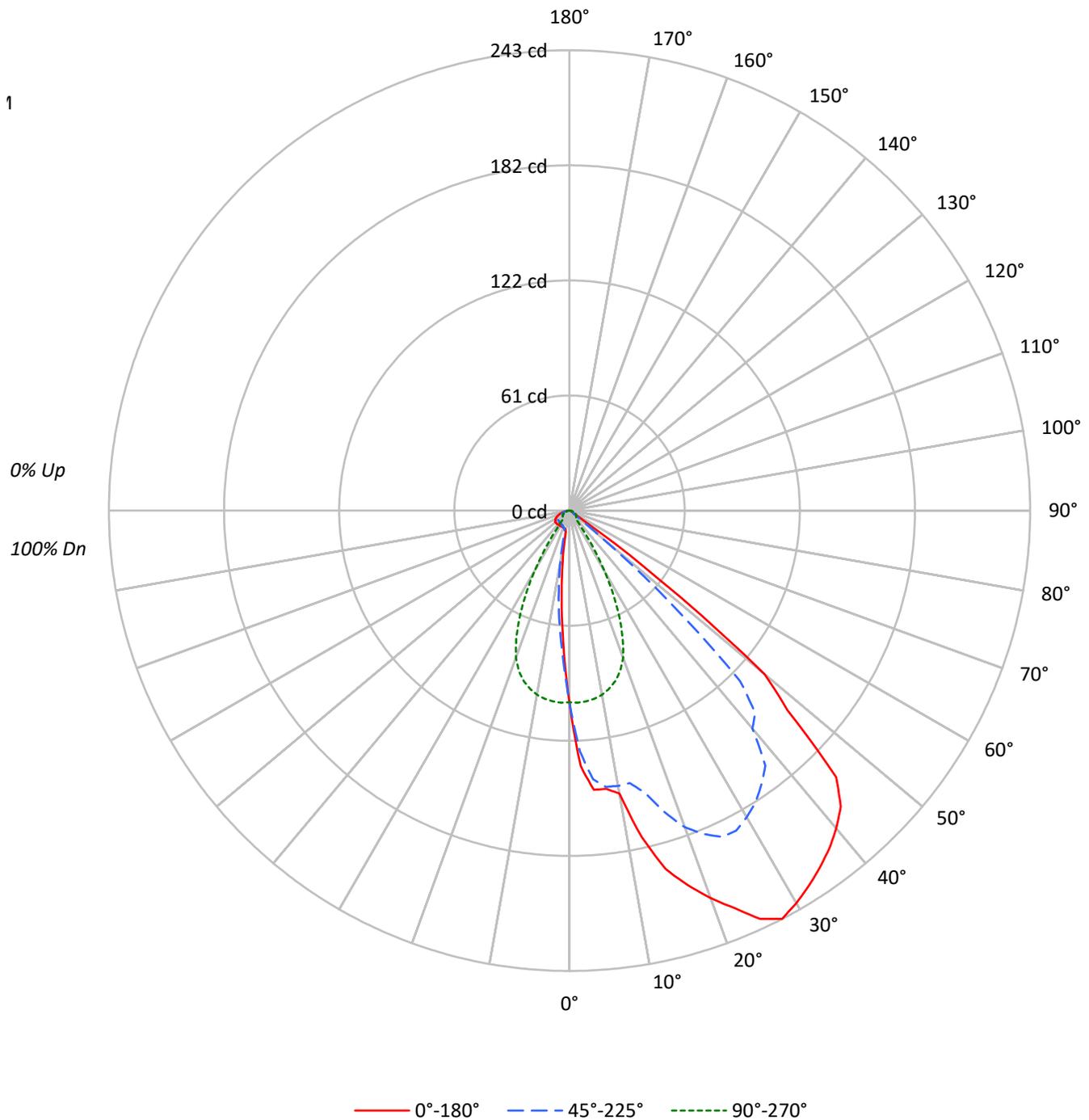
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 192.0 lumens
Efficiency: N/A
Efficacy: 53.3 lumens/watt
Spacing Criteria (0/90/45): 1.69 / 0.89 / 1.39
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: P1314233
CATALOG NUMBER: LDSQA3D02R709730DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot





TEST NUMBER: P1314233

CATALOG NUMBER: LDSQA3D02R709730DE010 3LSQCA30R 1MW

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 | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 102 | 100 | 98 | 98 | 96 | 95 | 95 | 93 | 92 | 92 | 92 | 92 | 90 |
| 2 | 104 | 98 | 93 | 89 | 102 | 96 | 92 | 88 | 93 | 89 | 86 | 90 | 87 | 84 | 87 | 84 | 82 | 82 | 82 | 82 | 80 |
| 3 | 97 | 89 | 83 | 78 | 95 | 87 | 82 | 77 | 85 | 80 | 76 | 82 | 78 | 74 | 80 | 76 | 73 | 73 | 73 | 73 | 71 |
| 4 | 90 | 81 | 74 | 68 | 88 | 80 | 73 | 68 | 77 | 72 | 67 | 75 | 70 | 66 | 73 | 69 | 65 | 65 | 65 | 65 | 64 |
| 5 | 84 | 74 | 66 | 61 | 82 | 73 | 66 | 61 | 71 | 65 | 60 | 69 | 64 | 59 | 67 | 62 | 59 | 59 | 59 | 59 | 57 |
| 6 | 79 | 67 | 60 | 54 | 77 | 66 | 59 | 54 | 65 | 58 | 54 | 63 | 58 | 53 | 62 | 57 | 53 | 53 | 53 | 53 | 51 |
| 7 | 73 | 62 | 54 | 49 | 72 | 61 | 54 | 49 | 60 | 53 | 48 | 58 | 52 | 48 | 57 | 52 | 48 | 48 | 48 | 48 | 46 |
| 8 | 69 | 57 | 49 | 44 | 67 | 56 | 49 | 44 | 55 | 49 | 44 | 54 | 48 | 44 | 53 | 47 | 43 | 43 | 43 | 43 | 42 |
| 9 | 64 | 52 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 44 | 40 | 50 | 44 | 40 | 49 | 44 | 40 | 40 | 40 | 40 | 38 |
| 10 | 60 | 49 | 42 | 37 | 59 | 48 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 36 | 45 | 40 | 36 | 36 | 36 | 36 | 35 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 17412 | 17412 | 17412 | 17412 | 17412 |
| 5° | 25569 | 24601 | 17478 | 10425 | 8177 |
| 10° | 26512 | 25795 | 17261 | 4984 | 2011 |
| 15° | 34929 | 27494 | 16617 | 1783 | 1747 |
| 20° | 39881 | 32586 | 15139 | 1723 | 1759 |
| 25° | 45169 | 36105 | 11877 | 1653 | 1748 |
| 30° | 47569 | 37168 | 7358 | 1651 | 1869 |
| 35° | 48377 | 37108 | 2418 | 1703 | 1976 |
| 40° | 49213 | 33746 | 1169 | 1821 | 2158 |
| 45° | 48444 | 30981 | 1218 | 1900 | 2338 |
| 50° | 36010 | 5734 | 1232 | 2090 | 2572 |
| 55° | 2883 | 781 | 1321 | 2222 | 2762 |
| 60° | 586 | 827 | 1274 | 2239 | 2859 |
| 65° | 611 | 815 | 1263 | 2201 | 2934 |
| 70° | 554 | 755 | 1209 | 2065 | 2870 |
| 75° | 466 | 732 | 998 | 2063 | 2728 |
| 80° | 397 | 694 | 1091 | 1984 | 2579 |
| 85° | 395 | 790 | 1383 | 1778 | 2174 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 49029 cd/sqm



TEST NUMBER: P1314233

CATALOG NUMBER: LDSQA3D02R709730DE010 3LSQCA30R 1MW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 9.2 | 4.8 |
| 10°-20° | 25.9 | 13.5 |
| 20°-30° | 43.4 | 22.6 |
| 30°-40° | 52.2 | 27.2 |
| 40°-50° | 41.4 | 21.6 |
| 50°-60° | 13.2 | 6.9 |
| 60°-70° | 3.7 | 1.9 |
| 70°-80° | 2.2 | 1.2 |
| 80°-90° | 0.7 | 0.4 |
| 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° | 78.5 | 40.9 |
| 0°-40° | 130.7 | 68.1 |
| 0°-60° | 185.4 | 96.6 |
| 0°-90° | 192.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 192.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 101 | 101 | 101 | 101 | 101 | |
| 5° | 148 | 142 | 101 | 60 | 47 | 14 |
| 15° | 196 | 154 | 93 | 10 | 10 | 55 |
| 25° | 238 | 190 | 62 | 9 | 9 | 109 |
| 35° | 230 | 176 | 12 | 8 | 9 | 144 |
| 45° | 199 | 127 | 5 | 8 | 10 | 143 |
| 55° | 10 | 3 | 4 | 7 | 9 | 30 |
| 65° | 2 | 2 | 3 | 5 | 7 | 1 |
| 75° | 1 | 1 | 2 | 3 | 4 | 1 |
| 85° | 0 | 0 | 1 | 1 | 1 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1314233

CATALOG NUMBER: LDSQA3D02R709730DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 101.1 | 101.1 | 101.1 | 101.1 | 101.1 | 101.1 | 101.1 | 101.1 | 101.1 | 101.1 | 101.1 |
| 2.5° | 134.9 | 135.7 | 135.7 | 134.6 | 135.1 | 133.3 | 132.0 | 130.1 | 129.6 | 127.2 | 124.2 |
| 5° | 147.9 | 147.5 | 147.5 | 146.6 | 147.1 | 146.4 | 145.7 | 145.3 | 144.0 | 142.3 | 140.5 |
| 7.5° | 148.1 | 148.6 | 148.8 | 148.6 | 149.5 | 148.8 | 148.8 | 148.8 | 147.9 | 147.1 | 145.3 |
| 10° | 151.6 | 151.0 | 150.3 | 148.8 | 147.9 | 147.3 | 147.3 | 147.5 | 147.9 | 147.5 | 146.4 |
| 12.5° | 176.7 | 174.3 | 173.2 | 169.5 | 166.7 | 161.9 | 156.4 | 152.3 | 148.6 | 147.3 | 146.4 |
| 15° | 195.9 | 195.4 | 193.2 | 189.8 | 186.3 | 180.6 | 174.3 | 168.0 | 161.2 | 154.2 | 149.2 |
| 17.5° | 207.2 | 206.3 | 204.1 | 200.4 | 196.3 | 191.1 | 186.1 | 181.3 | 174.7 | 166.9 | 158.8 |
| 20° | 217.6 | 215.7 | 212.8 | 208.5 | 204.4 | 199.3 | 193.9 | 189.3 | 183.9 | 177.8 | 168.4 |
| 22.5° | 227.0 | 225.3 | 220.7 | 214.8 | 210.7 | 205.9 | 201.1 | 196.7 | 191.7 | 184.7 | 176.2 |
| 25° | 237.7 | 233.8 | 226.4 | 218.7 | 213.7 | 209.8 | 206.3 | 202.8 | 197.6 | 190.0 | 180.0 |
| 27.5° | 242.9 | 237.5 | 229.4 | 221.8 | 217.0 | 212.8 | 209.1 | 205.7 | 199.8 | 190.4 | 178.9 |
| 30° | 239.2 | 236.2 | 230.5 | 224.6 | 220.7 | 216.8 | 212.4 | 207.2 | 197.8 | 186.9 | 176.2 |
| 32.5° | 234.9 | 233.3 | 230.7 | 227.2 | 224.8 | 220.9 | 214.8 | 206.3 | 193.2 | 182.6 | 171.0 |
| 35° | 230.1 | 229.4 | 228.5 | 227.0 | 225.5 | 221.8 | 214.2 | 201.7 | 188.7 | 176.5 | 165.4 |
| 37.5° | 225.0 | 224.4 | 225.0 | 224.8 | 223.5 | 218.7 | 207.2 | 195.6 | 182.1 | 169.7 | 148.1 |
| 40° | 218.9 | 218.5 | 219.6 | 220.7 | 219.2 | 212.8 | 200.4 | 186.5 | 174.5 | 150.1 | 142.7 |
| 42.5° | 211.8 | 211.5 | 213.5 | 214.4 | 212.2 | 202.8 | 188.2 | 178.0 | 152.7 | 144.9 | 127.4 |
| 45° | 198.9 | 199.3 | 200.2 | 201.3 | 200.0 | 189.8 | 176.5 | 157.7 | 146.6 | 127.2 | 72.5 |
| 47.5° | 155.8 | 156.2 | 160.6 | 169.7 | 176.0 | 172.5 | 161.2 | 147.3 | 131.2 | 72.8 | 22.9 |
| 50° | 134.4 | 134.0 | 134.2 | 136.4 | 141.4 | 146.2 | 142.7 | 135.1 | 78.2 | 21.4 | 2.8 |
| 52.5° | 59.0 | 65.6 | 72.5 | 92.2 | 104.8 | 118.1 | 120.7 | 84.5 | 25.5 | 2.8 | 2.8 |
| 55° | 9.6 | 10.0 | 12.6 | 18.5 | 33.3 | 50.3 | 61.0 | 28.3 | 2.6 | 2.6 | 2.6 |
| 57.5° | 2.0 | 2.0 | 2.0 | 2.2 | 3.3 | 7.0 | 8.1 | 2.4 | 2.4 | 2.4 | 2.6 |
| 60° | 1.7 | 1.7 | 1.7 | 1.7 | 2.0 | 2.0 | 2.0 | 2.2 | 2.2 | 2.4 | 2.4 |
| 62.5° | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 | 2.0 | 2.0 | 2.2 | 2.2 | 2.4 |
| 65° | 1.5 | 1.5 | 1.5 | 1.5 | 1.7 | 1.7 | 1.7 | 1.7 | 2.0 | 2.0 | 2.2 |
| 67.5° | 1.3 | 1.3 | 1.3 | 1.3 | 1.5 | 1.5 | 1.5 | 1.7 | 1.7 | 1.7 | 2.0 |
| 70° | 1.1 | 1.1 | 1.1 | 1.1 | 1.3 | 1.3 | 1.3 | 1.3 | 1.5 | 1.5 | 1.5 |
| 72.5° | 0.9 | 0.9 | 0.9 | 0.9 | 1.1 | 1.1 | 1.1 | 1.1 | 1.3 | 1.3 | 1.3 |
| 75° | 0.7 | 0.7 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 0.9 | 1.1 | 1.1 | 1.1 |
| 77.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.9 | 0.9 | 0.9 | 0.9 |
| 80° | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 82.5° | 0.2 | 0.2 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 | 0.4 |
| 85° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.4 | 0.4 | 0.4 | 0.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 |
| 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: P1314233

CATALOG NUMBER: LDSQA3D02R709730DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-------|-------|-------|--------|-------|--------|-------|
| 0° | 101.1 | 101.1 | 101.1 | 101.1 | 101.1 | 101.1 | 101.1 | 101.1 |
| 2.5° | 122.2 | 119.2 | 115.0 | 101.5 | 89.1 | 77.8 | 72.1 | 71.5 |
| 5° | 137.7 | 134.9 | 127.9 | 101.1 | 77.3 | 60.3 | 50.1 | 47.3 |
| 7.5° | 143.6 | 141.2 | 135.1 | 100.2 | 66.2 | 43.4 | 31.8 | 27.5 |
| 10° | 145.1 | 143.6 | 138.3 | 98.7 | 54.7 | 28.5 | 15.0 | 11.5 |
| 12.5° | 145.7 | 144.7 | 139.6 | 96.3 | 43.1 | 14.8 | 10.2 | 10.2 |
| 15° | 146.8 | 145.7 | 141.0 | 93.2 | 31.8 | 10.0 | 9.8 | 9.8 |
| 17.5° | 151.6 | 148.1 | 142.7 | 88.7 | 20.9 | 9.6 | 9.6 | 9.6 |
| 20° | 159.5 | 151.8 | 143.6 | 82.6 | 13.1 | 9.4 | 9.4 | 9.6 |
| 22.5° | 166.0 | 155.8 | 143.4 | 73.4 | 9.6 | 8.9 | 9.2 | 9.4 |
| 25° | 168.8 | 157.5 | 141.4 | 62.5 | 8.3 | 8.7 | 9.2 | 9.2 |
| 27.5° | 168.4 | 158.2 | 139.6 | 50.1 | 7.8 | 8.5 | 8.9 | 9.4 |
| 30° | 166.0 | 156.4 | 135.7 | 37.0 | 7.4 | 8.3 | 8.9 | 9.4 |
| 32.5° | 161.9 | 149.7 | 127.9 | 24.0 | 7.2 | 8.3 | 8.9 | 9.4 |
| 35° | 148.4 | 138.8 | 116.6 | 11.5 | 7.0 | 8.1 | 9.2 | 9.4 |
| 37.5° | 140.5 | 127.2 | 88.9 | 5.7 | 6.8 | 8.1 | 9.2 | 9.4 |
| 40° | 127.9 | 95.0 | 40.1 | 5.2 | 6.8 | 8.1 | 9.2 | 9.6 |
| 42.5° | 80.4 | 39.0 | 6.5 | 5.0 | 6.5 | 8.1 | 9.2 | 9.6 |
| 45° | 29.4 | 5.2 | 3.5 | 5.0 | 6.5 | 7.8 | 9.2 | 9.6 |
| 47.5° | 3.1 | 3.1 | 3.3 | 4.8 | 6.3 | 7.8 | 9.2 | 9.6 |
| 50° | 2.8 | 3.1 | 3.3 | 4.6 | 6.1 | 7.8 | 8.9 | 9.6 |
| 52.5° | 2.8 | 3.1 | 3.3 | 4.6 | 5.9 | 7.6 | 8.9 | 9.6 |
| 55° | 2.8 | 3.1 | 3.1 | 4.4 | 5.7 | 7.4 | 8.7 | 9.2 |
| 57.5° | 2.6 | 2.8 | 3.1 | 4.1 | 5.4 | 7.0 | 8.5 | 8.9 |
| 60° | 2.6 | 2.8 | 3.1 | 3.7 | 5.2 | 6.5 | 8.1 | 8.3 |
| 62.5° | 2.4 | 2.6 | 2.8 | 3.5 | 4.8 | 6.1 | 7.4 | 7.8 |
| 65° | 2.4 | 2.4 | 2.6 | 3.1 | 4.4 | 5.4 | 6.8 | 7.2 |
| 67.5° | 2.0 | 2.2 | 2.2 | 2.6 | 3.7 | 4.8 | 6.1 | 6.5 |
| 70° | 1.7 | 1.7 | 2.0 | 2.4 | 3.3 | 4.1 | 5.2 | 5.7 |
| 72.5° | 1.5 | 1.5 | 1.5 | 2.0 | 2.8 | 3.7 | 4.6 | 5.0 |
| 75° | 1.3 | 1.3 | 1.3 | 1.5 | 2.4 | 3.1 | 3.9 | 4.1 |
| 77.5° | 1.1 | 1.1 | 1.1 | 1.3 | 2.0 | 2.6 | 3.1 | 3.5 |
| 80° | 0.9 | 0.9 | 0.9 | 1.1 | 1.5 | 2.0 | 2.4 | 2.6 |
| 82.5° | 0.7 | 0.7 | 0.7 | 0.9 | 1.1 | 1.3 | 1.7 | 1.7 |
| 85° | 0.4 | 0.4 | 0.4 | 0.7 | 0.7 | 0.9 | 1.1 | 1.1 |
| 87.5° | 0.2 | 0.2 | 0.2 | 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)