

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: P1317265

Luminaire Tested: LDSQA3D05R709827DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1317265
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: LDSQA3D05R709827DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

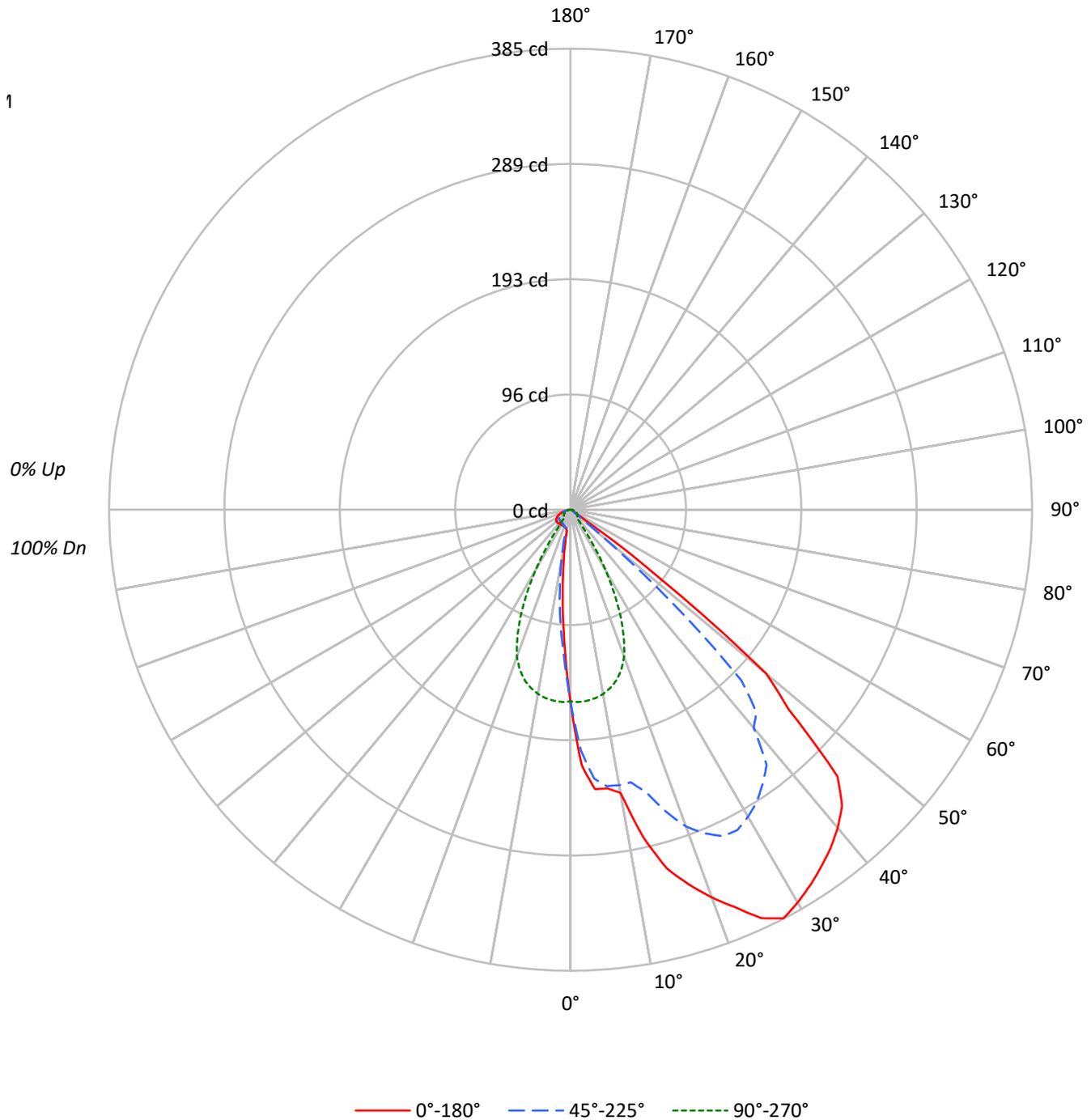
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 304.0 lumens
Efficiency: N/A
Efficacy: 42.2 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): 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: P1317265

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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 | 100 | | |
| 1 | 112 | 108 | 105 | 102 | 109 | 106 | 103 | 101 | 102 | 100 | 98 | 98 | 96 | 95 | 95 | 93 | 92 | 92 | 92 | 90 | | |
| 2 | 104 | 98 | 93 | 89 | 102 | 96 | 92 | 88 | 93 | 89 | 86 | 90 | 87 | 84 | 87 | 84 | 82 | 82 | 82 | 80 | | |
| 3 | 97 | 89 | 83 | 78 | 95 | 87 | 82 | 77 | 85 | 80 | 76 | 82 | 78 | 74 | 80 | 76 | 73 | 73 | 73 | 71 | | |
| 4 | 90 | 81 | 74 | 68 | 88 | 80 | 73 | 68 | 77 | 72 | 67 | 75 | 70 | 66 | 73 | 69 | 65 | 65 | 65 | 64 | | |
| 5 | 84 | 74 | 66 | 61 | 82 | 73 | 66 | 61 | 71 | 65 | 60 | 69 | 64 | 59 | 67 | 62 | 59 | 59 | 59 | 57 | | |
| 6 | 79 | 67 | 60 | 54 | 77 | 66 | 59 | 54 | 65 | 58 | 54 | 63 | 58 | 53 | 62 | 57 | 53 | 53 | 53 | 51 | | |
| 7 | 73 | 62 | 54 | 49 | 72 | 61 | 54 | 49 | 60 | 53 | 48 | 58 | 52 | 48 | 57 | 52 | 48 | 48 | 48 | 46 | | |
| 8 | 69 | 57 | 49 | 44 | 67 | 56 | 49 | 44 | 55 | 49 | 44 | 54 | 48 | 44 | 53 | 47 | 43 | 43 | 43 | 42 | | |
| 9 | 64 | 52 | 45 | 40 | 63 | 52 | 45 | 40 | 51 | 44 | 40 | 50 | 44 | 40 | 49 | 44 | 40 | 40 | 40 | 38 | | |
| 10 | 60 | 49 | 42 | 37 | 59 | 48 | 41 | 37 | 47 | 41 | 37 | 46 | 41 | 36 | 45 | 40 | 36 | 36 | 36 | 35 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 27573 | 27573 | 27573 | 27573 | 27573 |
| 5° | 40489 | 38933 | 27678 | 16527 | 12949 |
| 10° | 41989 | 40834 | 27334 | 7905 | 3200 |
| 15° | 55290 | 43540 | 26317 | 2835 | 2764 |
| 20° | 63157 | 51592 | 23954 | 2712 | 2786 |
| 25° | 71507 | 57160 | 18813 | 2622 | 2755 |
| 30° | 75330 | 58864 | 11654 | 2605 | 2943 |
| 35° | 76592 | 58742 | 3847 | 2691 | 3112 |
| 40° | 77945 | 53440 | 1866 | 2878 | 3417 |
| 45° | 76697 | 49053 | 1924 | 3020 | 3702 |
| 50° | 57016 | 9056 | 1929 | 3322 | 4073 |
| 55° | 4564 | 1231 | 2072 | 3513 | 4354 |
| 60° | 964 | 1309 | 2032 | 3548 | 4512 |
| 65° | 978 | 1263 | 1956 | 3505 | 4646 |
| 70° | 856 | 1209 | 1913 | 3323 | 4532 |
| 75° | 665 | 1131 | 1597 | 3194 | 4392 |
| 80° | 694 | 992 | 1686 | 3075 | 4066 |
| 85° | 593 | 1383 | 1976 | 2766 | 3359 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 15°
 Vertical Angle: 45°
 Luminance: 77622 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 14.6 | 4.8 |
| 10°-20° | 41.0 | 13.5 |
| 20°-30° | 68.8 | 22.6 |
| 30°-40° | 82.7 | 27.2 |
| 40°-50° | 65.6 | 21.6 |
| 50°-60° | 21.0 | 6.9 |
| 60°-70° | 5.9 | 1.9 |
| 70°-80° | 3.5 | 1.1 |
| 80°-90° | 1.1 | 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° | 124.3 | 40.9 |
| 0°-40° | 207.0 | 68.1 |
| 0°-60° | 293.5 | 96.6 |
| 0°-90° | 304.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 304.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 160 | 160 | 160 | 160 | 160 | |
| 5° | 234 | 225 | 160 | 96 | 75 | 22 |
| 15° | 310 | 244 | 148 | 16 | 16 | 87 |
| 25° | 376 | 301 | 99 | 14 | 14 | 172 |
| 35° | 364 | 279 | 18 | 13 | 15 | 228 |
| 45° | 315 | 201 | 8 | 12 | 15 | 226 |
| 55° | 15 | 4 | 7 | 12 | 14 | 48 |
| 65° | 2 | 3 | 5 | 9 | 11 | 2 |
| 75° | 1 | 2 | 2 | 5 | 7 | 1 |
| 85° | 0 | 1 | 1 | 1 | 2 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1317265

CATALOG NUMBER: LDSQA3D05R709827DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 160.1 | 160.1 | 160.1 | 160.1 | 160.1 | 160.1 | 160.1 | 160.1 | 160.1 | 160.1 | 160.1 |
| 2.5° | 213.5 | 214.9 | 214.9 | 213.2 | 213.9 | 211.1 | 209.0 | 205.9 | 205.2 | 201.4 | 196.6 |
| 5° | 234.2 | 233.5 | 233.5 | 232.1 | 232.8 | 231.8 | 230.8 | 230.1 | 228.0 | 225.2 | 222.5 |
| 7.5° | 234.6 | 235.3 | 235.6 | 235.3 | 236.6 | 235.6 | 235.6 | 235.6 | 234.2 | 232.8 | 230.1 |
| 10° | 240.1 | 239.0 | 238.0 | 235.6 | 234.2 | 233.2 | 233.2 | 233.5 | 234.2 | 233.5 | 231.8 |
| 12.5° | 279.8 | 276.0 | 274.2 | 268.4 | 263.9 | 256.3 | 247.7 | 241.1 | 235.3 | 233.2 | 231.8 |
| 15° | 310.1 | 309.4 | 306.0 | 300.4 | 294.9 | 286.0 | 276.0 | 266.0 | 255.3 | 244.2 | 236.3 |
| 17.5° | 328.0 | 326.7 | 323.2 | 317.4 | 310.8 | 302.5 | 294.6 | 287.0 | 276.6 | 264.2 | 251.5 |
| 20° | 344.6 | 341.5 | 337.0 | 330.1 | 323.6 | 315.6 | 307.0 | 299.8 | 291.1 | 281.5 | 266.6 |
| 22.5° | 359.4 | 356.7 | 349.4 | 340.1 | 333.6 | 326.0 | 318.4 | 311.5 | 303.6 | 292.5 | 279.1 |
| 25° | 376.3 | 370.1 | 358.4 | 346.3 | 338.4 | 332.2 | 326.7 | 321.1 | 312.9 | 300.8 | 284.9 |
| 27.5° | 384.6 | 376.0 | 363.2 | 351.2 | 343.6 | 337.0 | 331.1 | 325.6 | 316.3 | 301.5 | 283.2 |
| 30° | 378.8 | 373.9 | 365.0 | 355.6 | 349.4 | 343.2 | 336.3 | 328.0 | 313.2 | 296.0 | 279.1 |
| 32.5° | 371.9 | 369.4 | 365.3 | 359.8 | 356.0 | 349.8 | 340.1 | 326.7 | 306.0 | 289.1 | 270.8 |
| 35° | 364.3 | 363.2 | 361.8 | 359.4 | 357.0 | 351.2 | 339.1 | 319.4 | 298.7 | 279.4 | 261.8 |
| 37.5° | 356.3 | 355.3 | 356.3 | 356.0 | 353.9 | 346.3 | 328.0 | 309.8 | 288.4 | 268.7 | 234.6 |
| 40° | 346.7 | 346.0 | 347.7 | 349.4 | 347.0 | 337.0 | 317.4 | 295.3 | 276.3 | 237.7 | 225.9 |
| 42.5° | 335.3 | 334.9 | 338.0 | 339.4 | 336.0 | 321.1 | 298.0 | 281.8 | 241.8 | 229.4 | 201.8 |
| 45° | 314.9 | 315.6 | 317.0 | 318.7 | 316.7 | 300.4 | 279.4 | 249.7 | 232.1 | 201.4 | 114.9 |
| 47.5° | 246.6 | 247.3 | 254.2 | 268.7 | 278.7 | 273.2 | 255.3 | 233.2 | 207.7 | 115.2 | 36.2 |
| 50° | 212.8 | 212.1 | 212.5 | 215.9 | 223.9 | 231.5 | 225.9 | 213.9 | 123.8 | 33.8 | 4.5 |
| 52.5° | 93.5 | 103.8 | 114.9 | 145.9 | 165.9 | 187.0 | 191.1 | 133.8 | 40.4 | 4.5 | 4.5 |
| 55° | 15.2 | 15.9 | 20.0 | 29.3 | 52.8 | 79.7 | 96.6 | 44.8 | 4.1 | 4.1 | 4.1 |
| 57.5° | 3.1 | 3.1 | 3.1 | 3.4 | 5.2 | 11.0 | 12.8 | 3.8 | 3.8 | 3.8 | 4.1 |
| 60° | 2.8 | 2.8 | 2.8 | 2.8 | 3.1 | 3.1 | 3.1 | 3.4 | 3.4 | 3.8 | 3.8 |
| 62.5° | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 2.8 | 3.1 | 3.1 | 3.4 | 3.4 | 3.8 |
| 65° | 2.4 | 2.4 | 2.4 | 2.4 | 2.8 | 2.8 | 2.8 | 2.8 | 3.1 | 3.1 | 3.4 |
| 67.5° | 2.1 | 2.1 | 2.1 | 2.1 | 2.4 | 2.4 | 2.4 | 2.8 | 2.8 | 2.8 | 3.1 |
| 70° | 1.7 | 1.7 | 1.7 | 1.7 | 2.1 | 2.1 | 2.1 | 2.1 | 2.4 | 2.4 | 2.4 |
| 72.5° | 1.4 | 1.4 | 1.4 | 1.4 | 1.7 | 1.7 | 1.7 | 1.7 | 2.1 | 2.1 | 2.1 |
| 75° | 1.0 | 1.0 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.4 | 1.7 | 1.7 | 1.7 |
| 77.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 1.4 | 1.4 | 1.4 | 1.4 |
| 80° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 |
| 82.5° | 0.3 | 0.3 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 85° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.7 | 0.7 | 0.7 | 0.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 |
| 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° | 160.1 | 160.1 | 160.1 | 160.1 | 160.1 | 160.1 | 160.1 | 160.1 |
| 2.5° | 193.5 | 188.7 | 182.1 | 160.7 | 141.1 | 123.1 | 114.2 | 113.1 |
| 5° | 218.0 | 213.5 | 202.5 | 160.1 | 122.5 | 95.6 | 79.3 | 74.9 |
| 7.5° | 227.3 | 223.5 | 213.9 | 158.7 | 104.9 | 68.6 | 50.4 | 43.5 |
| 10° | 229.7 | 227.3 | 219.0 | 156.3 | 86.6 | 45.2 | 23.8 | 18.3 |
| 12.5° | 230.8 | 229.0 | 221.1 | 152.5 | 68.3 | 23.5 | 16.2 | 16.2 |
| 15° | 232.5 | 230.8 | 223.2 | 147.6 | 50.4 | 15.9 | 15.5 | 15.5 |
| 17.5° | 240.1 | 234.6 | 225.9 | 140.4 | 33.1 | 15.2 | 15.2 | 15.2 |
| 20° | 252.5 | 240.4 | 227.3 | 130.7 | 20.7 | 14.8 | 14.8 | 15.2 |
| 22.5° | 262.8 | 246.6 | 227.0 | 116.2 | 15.2 | 14.1 | 14.5 | 14.8 |
| 25° | 267.3 | 249.4 | 223.9 | 99.0 | 13.1 | 13.8 | 14.5 | 14.5 |
| 27.5° | 266.6 | 250.4 | 221.1 | 79.3 | 12.4 | 13.5 | 14.1 | 14.8 |
| 30° | 262.8 | 247.7 | 214.9 | 58.6 | 11.7 | 13.1 | 14.1 | 14.8 |
| 32.5° | 256.3 | 237.0 | 202.5 | 37.9 | 11.4 | 13.1 | 14.1 | 14.8 |
| 35° | 234.9 | 219.7 | 184.5 | 18.3 | 11.0 | 12.8 | 14.5 | 14.8 |
| 37.5° | 222.5 | 201.4 | 140.7 | 9.0 | 10.7 | 12.8 | 14.5 | 14.8 |
| 40° | 202.5 | 150.4 | 63.5 | 8.3 | 10.7 | 12.8 | 14.5 | 15.2 |
| 42.5° | 127.3 | 61.7 | 10.3 | 7.9 | 10.3 | 12.8 | 14.5 | 15.2 |
| 45° | 46.6 | 8.3 | 5.5 | 7.9 | 10.3 | 12.4 | 14.5 | 15.2 |
| 47.5° | 4.8 | 4.8 | 5.2 | 7.6 | 10.0 | 12.4 | 14.5 | 15.2 |
| 50° | 4.5 | 4.8 | 5.2 | 7.2 | 9.7 | 12.4 | 14.1 | 15.2 |
| 52.5° | 4.5 | 4.8 | 5.2 | 7.2 | 9.3 | 12.1 | 14.1 | 15.2 |
| 55° | 4.5 | 4.8 | 4.8 | 6.9 | 9.0 | 11.7 | 13.8 | 14.5 |
| 57.5° | 4.1 | 4.5 | 4.8 | 6.6 | 8.6 | 11.0 | 13.5 | 14.1 |
| 60° | 4.1 | 4.5 | 4.8 | 5.9 | 8.3 | 10.3 | 12.8 | 13.1 |
| 62.5° | 3.8 | 4.1 | 4.5 | 5.5 | 7.6 | 9.7 | 11.7 | 12.4 |
| 65° | 3.8 | 3.8 | 4.1 | 4.8 | 6.9 | 8.6 | 10.7 | 11.4 |
| 67.5° | 3.1 | 3.4 | 3.4 | 4.1 | 5.9 | 7.6 | 9.7 | 10.3 |
| 70° | 2.8 | 2.8 | 3.1 | 3.8 | 5.2 | 6.6 | 8.3 | 9.0 |
| 72.5° | 2.4 | 2.4 | 2.4 | 3.1 | 4.5 | 5.9 | 7.2 | 7.9 |
| 75° | 2.1 | 2.1 | 2.1 | 2.4 | 3.8 | 4.8 | 6.2 | 6.6 |
| 77.5° | 1.7 | 1.7 | 1.7 | 2.1 | 3.1 | 4.1 | 4.8 | 5.5 |
| 80° | 1.4 | 1.4 | 1.4 | 1.7 | 2.4 | 3.1 | 3.8 | 4.1 |
| 82.5° | 1.0 | 1.0 | 1.0 | 1.4 | 1.7 | 2.1 | 2.8 | 2.8 |
| 85° | 0.7 | 0.7 | 0.7 | 1.0 | 1.0 | 1.4 | 1.7 | 1.7 |
| 87.5° | 0.3 | 0.3 | 0.3 | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)