

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: P1312152

Luminaire Tested: LDSQA3D02R609050DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1312152
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-67)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R609050DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R60 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

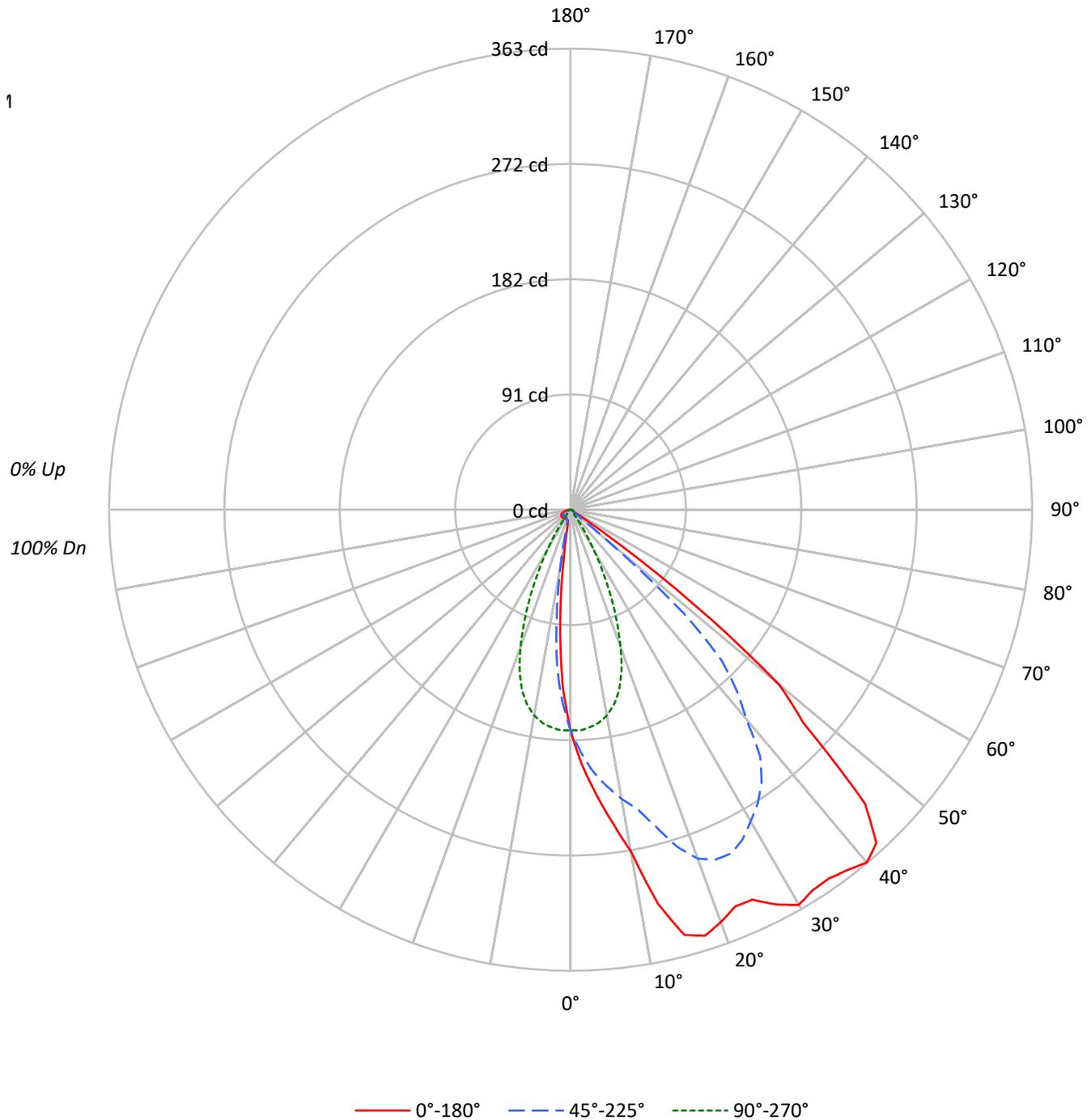
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 282.0 lumens
Efficiency: N/A
Efficacy: 78.3 lumens/watt
Spacing Criteria (0/90/45): 1.62 / 0.77 / 1.26
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

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Luminous Intensity Polar Plot





TEST NUMBER: P1312152

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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 | |
| RCR | | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 102 | 102 | 100 | |
| 1 | 112 | 109 | 106 | 103 | 109 | 106 | 104 | 101 | 102 | 100 | 98 | 99 | 97 | 95 | 95 | 94 | 92 | 95 | 94 | 92 | 90 |
| 2 | 105 | 99 | 94 | 89 | 102 | 97 | 92 | 88 | 94 | 90 | 86 | 90 | 87 | 85 | 88 | 85 | 83 | 88 | 85 | 83 | 81 |
| 3 | 98 | 90 | 84 | 79 | 96 | 88 | 83 | 78 | 85 | 81 | 77 | 83 | 79 | 75 | 81 | 77 | 74 | 81 | 77 | 74 | 72 |
| 4 | 91 | 82 | 75 | 70 | 89 | 80 | 74 | 69 | 78 | 73 | 68 | 76 | 71 | 67 | 74 | 70 | 67 | 74 | 70 | 67 | 65 |
| 5 | 85 | 75 | 67 | 62 | 83 | 74 | 67 | 62 | 72 | 66 | 61 | 70 | 65 | 61 | 68 | 64 | 60 | 68 | 64 | 60 | 58 |
| 6 | 79 | 68 | 61 | 56 | 78 | 67 | 61 | 55 | 66 | 60 | 55 | 64 | 59 | 55 | 63 | 58 | 54 | 63 | 58 | 54 | 52 |
| 7 | 74 | 63 | 55 | 50 | 73 | 62 | 55 | 50 | 61 | 54 | 50 | 59 | 54 | 49 | 58 | 53 | 49 | 58 | 53 | 49 | 47 |
| 8 | 70 | 58 | 51 | 46 | 68 | 57 | 50 | 45 | 56 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 45 | 54 | 49 | 45 | 43 |
| 9 | 65 | 54 | 46 | 42 | 64 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 45 | 41 | 50 | 45 | 41 | 39 |
| 10 | 61 | 50 | 43 | 38 | 60 | 49 | 43 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 47 | 41 | 38 | 47 | 41 | 38 | 36 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 29898 | 29898 | 29898 | 29898 | 29898 |
| 5° | 38622 | 35855 | 29735 | 21178 | 16164 |
| 10° | 47725 | 40415 | 28768 | 8009 | 2378 |
| 15° | 61798 | 46001 | 26245 | 1765 | 1569 |
| 20° | 63340 | 53571 | 21132 | 1466 | 1521 |
| 25° | 64362 | 56723 | 14157 | 1425 | 1520 |
| 30° | 71433 | 56339 | 7298 | 1432 | 1591 |
| 35° | 74511 | 55084 | 2018 | 1514 | 1745 |
| 40° | 81520 | 48314 | 967 | 1619 | 1911 |
| 45° | 79766 | 41040 | 974 | 1754 | 2143 |
| 50° | 57498 | 10128 | 1072 | 1929 | 2358 |
| 55° | 11020 | 631 | 1111 | 2072 | 2642 |
| 60° | 551 | 654 | 1102 | 2204 | 2859 |
| 65° | 530 | 652 | 1100 | 2282 | 3056 |
| 70° | 554 | 655 | 1057 | 2266 | 3072 |
| 75° | 532 | 732 | 1065 | 2329 | 3194 |
| 80° | 298 | 793 | 1091 | 2380 | 3174 |
| 85° | 593 | 593 | 988 | 2174 | 3162 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 79766 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 15.1 | 5.4 |
| 10°-20° | 41.7 | 14.8 |
| 20°-30° | 64.1 | 22.7 |
| 30°-40° | 75.3 | 26.7 |
| 40°-50° | 60.4 | 21.4 |
| 50°-60° | 18.7 | 6.6 |
| 60°-70° | 3.5 | 1.3 |
| 70°-80° | 2.4 | 0.8 |
| 80°-90° | 0.8 | 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° | 120.9 | 42.9 |
| 0°-40° | 196.2 | 69.6 |
| 0°-60° | 275.3 | 97.6 |
| 0°-90° | 282.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 282.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 174 | 174 | 174 | 174 | 174 | |
| 5° | 223 | 207 | 172 | 122 | 94 | 23 |
| 15° | 347 | 258 | 147 | 10 | 9 | 95 |
| 25° | 339 | 298 | 74 | 8 | 8 | 160 |
| 35° | 354 | 262 | 10 | 7 | 8 | 224 |
| 45° | 328 | 168 | 4 | 7 | 9 | 234 |
| 55° | 37 | 2 | 4 | 7 | 9 | 58 |
| 65° | 1 | 2 | 3 | 6 | 8 | 1 |
| 75° | 1 | 1 | 2 | 4 | 5 | 1 |
| 85° | 0 | 0 | 0 | 1 | 2 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1312152

CATALOG NUMBER: LDSQA3D02R609050DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 173.6 | 173.6 | 173.6 | 173.6 | 173.6 | 173.6 | 173.6 | 173.6 | 173.6 | 173.6 | 173.6 |
| 2.5° | 200.2 | 198.1 | 198.1 | 197.3 | 196.5 | 196.8 | 194.6 | 195.4 | 193.3 | 191.7 | 190.4 |
| 5° | 223.4 | 220.7 | 220.4 | 219.1 | 217.8 | 216.7 | 214.1 | 212.5 | 209.3 | 207.4 | 203.4 |
| 7.5° | 247.3 | 245.2 | 243.9 | 242.3 | 239.9 | 237.2 | 232.7 | 229.8 | 224.7 | 219.7 | 214.6 |
| 10° | 272.9 | 271.0 | 268.1 | 266.2 | 259.6 | 255.3 | 249.2 | 245.2 | 237.8 | 231.1 | 223.4 |
| 12.5° | 317.6 | 316.6 | 311.0 | 307.2 | 297.7 | 289.1 | 275.8 | 265.2 | 251.9 | 240.9 | 230.6 |
| 15° | 346.6 | 345.3 | 342.4 | 338.9 | 332.8 | 323.2 | 311.2 | 296.3 | 277.7 | 258.0 | 240.4 |
| 17.5° | 351.7 | 352.0 | 350.1 | 349.3 | 345.3 | 339.2 | 329.6 | 318.4 | 299.8 | 278.0 | 254.0 |
| 20° | 345.6 | 347.7 | 347.2 | 348.8 | 349.6 | 347.2 | 340.8 | 329.9 | 313.6 | 292.3 | 265.4 |
| 22.5° | 338.1 | 340.0 | 339.5 | 342.4 | 346.9 | 349.3 | 347.2 | 338.4 | 321.9 | 298.2 | 271.8 |
| 25° | 338.7 | 340.0 | 336.0 | 337.9 | 343.7 | 349.6 | 349.8 | 342.1 | 324.3 | 298.5 | 271.3 |
| 27.5° | 350.4 | 346.4 | 337.3 | 336.5 | 343.7 | 351.2 | 351.7 | 342.1 | 320.8 | 292.9 | 266.0 |
| 30° | 359.2 | 356.2 | 346.1 | 344.8 | 351.7 | 356.8 | 354.1 | 339.2 | 312.6 | 283.3 | 258.3 |
| 32.5° | 354.9 | 355.4 | 351.2 | 355.4 | 364.5 | 366.6 | 355.4 | 332.3 | 301.1 | 274.0 | 249.2 |
| 35° | 354.4 | 356.5 | 358.9 | 365.6 | 371.7 | 366.6 | 348.8 | 319.2 | 288.9 | 262.0 | 235.1 |
| 37.5° | 357.6 | 361.0 | 364.5 | 370.3 | 370.3 | 357.3 | 331.2 | 302.7 | 274.2 | 244.9 | 205.8 |
| 40° | 362.6 | 364.8 | 365.8 | 365.3 | 358.1 | 338.9 | 311.2 | 282.8 | 255.6 | 214.9 | 186.4 |
| 42.5° | 356.0 | 355.7 | 354.6 | 350.1 | 336.8 | 311.8 | 285.9 | 262.8 | 219.9 | 193.8 | 161.3 |
| 45° | 327.5 | 327.5 | 324.6 | 317.4 | 305.1 | 284.3 | 261.5 | 227.6 | 200.5 | 168.5 | 119.8 |
| 47.5° | 247.9 | 246.0 | 249.2 | 253.5 | 253.5 | 251.6 | 230.8 | 201.5 | 173.9 | 121.7 | 38.3 |
| 50° | 214.6 | 211.7 | 207.7 | 208.5 | 207.9 | 210.1 | 196.8 | 174.7 | 128.6 | 37.8 | 2.7 |
| 52.5° | 121.4 | 126.7 | 139.8 | 158.1 | 166.4 | 169.3 | 161.1 | 132.9 | 43.4 | 2.4 | 2.1 |
| 55° | 36.7 | 37.8 | 42.9 | 52.7 | 71.6 | 91.6 | 92.9 | 43.1 | 2.9 | 2.1 | 2.1 |
| 57.5° | 1.6 | 1.6 | 2.1 | 3.2 | 7.5 | 11.2 | 12.0 | 2.7 | 1.9 | 2.1 | 2.1 |
| 60° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.9 | 1.9 | 1.9 | 1.9 | 2.1 |
| 62.5° | 1.3 | 1.3 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 | 1.9 | 1.9 | 1.9 |
| 65° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.6 | 1.6 | 1.6 | 1.6 | 1.9 |
| 67.5° | 1.1 | 1.1 | 1.1 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.6 | 1.6 | 1.6 |
| 70° | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.3 | 1.3 | 1.3 | 1.3 |
| 72.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 1.3 |
| 75° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 1.1 | 1.1 | 1.1 | 1.1 |
| 77.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 80° | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.8 | 0.8 |
| 82.5° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 85° | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.3 | 0.5 |
| 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 |



TEST NUMBER: P1312152

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CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-------|-------|-------|--------|-------|--------|-------|
| 0° | 173.6 | 173.6 | 173.6 | 173.6 | 173.6 | 173.6 | 173.6 | 173.6 |
| 2.5° | 188.5 | 186.4 | 184.0 | 173.9 | 164.0 | 150.7 | 141.6 | 139.0 |
| 5° | 199.9 | 196.5 | 191.2 | 172.0 | 148.8 | 122.5 | 101.2 | 93.5 |
| 7.5° | 209.5 | 204.2 | 196.8 | 169.3 | 130.7 | 83.1 | 53.5 | 45.3 |
| 10° | 216.5 | 209.8 | 200.2 | 164.5 | 106.8 | 45.8 | 18.1 | 13.6 |
| 12.5° | 222.3 | 213.5 | 202.1 | 157.3 | 77.7 | 18.6 | 9.3 | 9.3 |
| 15° | 226.3 | 215.7 | 202.9 | 147.2 | 50.3 | 9.9 | 8.8 | 8.8 |
| 17.5° | 231.9 | 218.1 | 202.9 | 133.1 | 27.4 | 8.5 | 8.5 | 8.5 |
| 20° | 240.9 | 220.4 | 199.9 | 115.3 | 15.2 | 8.0 | 8.3 | 8.3 |
| 22.5° | 245.7 | 223.9 | 196.2 | 94.5 | 9.6 | 7.7 | 8.0 | 8.0 |
| 25° | 246.8 | 223.4 | 188.2 | 74.5 | 7.7 | 7.5 | 7.7 | 8.0 |
| 27.5° | 243.1 | 219.7 | 177.6 | 54.3 | 6.9 | 7.2 | 7.7 | 8.0 |
| 30° | 236.4 | 210.6 | 160.5 | 36.7 | 6.4 | 7.2 | 7.7 | 8.0 |
| 32.5° | 223.9 | 188.8 | 140.6 | 22.1 | 6.1 | 7.2 | 7.7 | 8.3 |
| 35° | 196.0 | 165.9 | 117.7 | 9.6 | 5.9 | 7.2 | 8.0 | 8.3 |
| 37.5° | 175.7 | 143.0 | 91.1 | 4.8 | 5.9 | 7.2 | 8.0 | 8.5 |
| 40° | 153.4 | 115.0 | 42.1 | 4.3 | 5.9 | 7.2 | 8.0 | 8.5 |
| 42.5° | 116.9 | 53.2 | 5.1 | 4.3 | 5.6 | 7.2 | 8.3 | 8.5 |
| 45° | 42.6 | 5.6 | 2.7 | 4.0 | 5.6 | 7.2 | 8.3 | 8.8 |
| 47.5° | 3.2 | 2.1 | 2.4 | 4.0 | 5.6 | 7.2 | 8.3 | 8.8 |
| 50° | 2.1 | 2.1 | 2.4 | 4.0 | 5.6 | 7.2 | 8.3 | 8.8 |
| 52.5° | 2.1 | 2.4 | 2.4 | 3.7 | 5.3 | 7.2 | 8.3 | 8.8 |
| 55° | 2.1 | 2.4 | 2.4 | 3.7 | 5.3 | 6.9 | 8.3 | 8.8 |
| 57.5° | 2.1 | 2.1 | 2.4 | 3.5 | 5.1 | 6.7 | 8.3 | 8.5 |
| 60° | 2.1 | 2.1 | 2.4 | 3.2 | 4.8 | 6.4 | 7.7 | 8.3 |
| 62.5° | 2.1 | 2.1 | 2.1 | 2.9 | 4.5 | 6.1 | 7.5 | 8.0 |
| 65° | 1.9 | 1.9 | 2.1 | 2.7 | 4.0 | 5.6 | 6.9 | 7.5 |
| 67.5° | 1.6 | 1.9 | 1.9 | 2.4 | 3.7 | 5.1 | 6.4 | 6.9 |
| 70° | 1.6 | 1.6 | 1.6 | 2.1 | 3.2 | 4.5 | 5.9 | 6.1 |
| 72.5° | 1.3 | 1.3 | 1.6 | 1.9 | 2.9 | 4.0 | 5.3 | 5.6 |
| 75° | 1.1 | 1.3 | 1.3 | 1.6 | 2.4 | 3.5 | 4.5 | 4.8 |
| 77.5° | 1.1 | 1.1 | 1.1 | 1.3 | 2.1 | 2.9 | 3.7 | 4.0 |
| 80° | 0.8 | 0.8 | 0.8 | 1.1 | 1.6 | 2.4 | 2.9 | 3.2 |
| 82.5° | 0.5 | 0.8 | 0.8 | 0.8 | 1.3 | 1.6 | 2.1 | 2.4 |
| 85° | 0.5 | 0.5 | 0.5 | 0.5 | 0.8 | 1.1 | 1.3 | 1.6 |
| 87.5° | 0.3 | 0.3 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.8 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)