

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: P1310050

Luminaire Tested: LDSQA3D05R359035DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1310050
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-63)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R359035DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R35 optic, 3500K CCT AND, 90CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

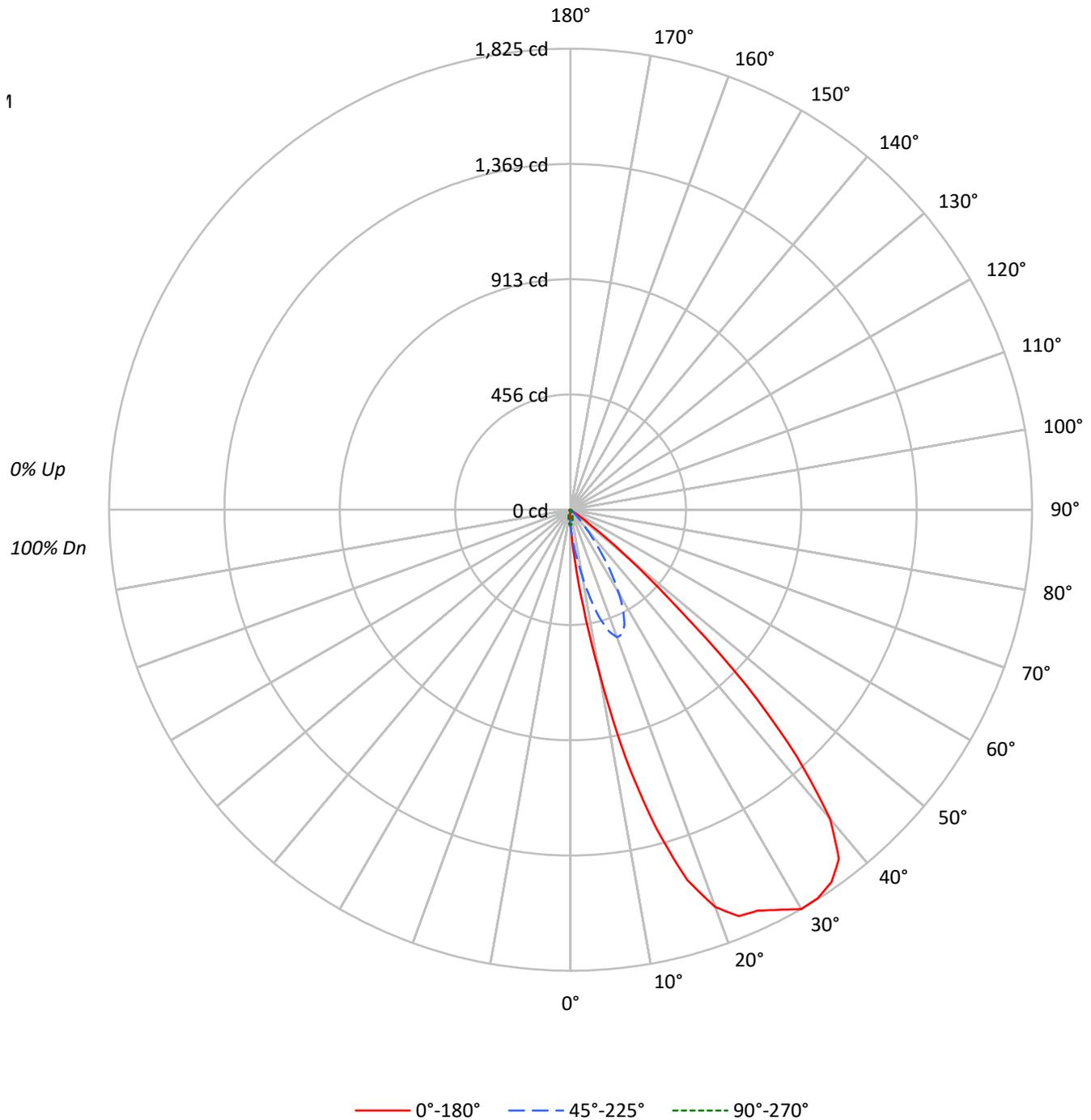
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 573.9 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 2.45 / 0.5 / 1.25
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: P1310050

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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 | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 94 | 93 | 96 | 94 | 93 | 91 |
| 2 | 106 | 100 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 91 | 88 | 92 | 89 | 86 | 89 | 87 | 84 | 89 | 87 | 84 | 83 |
| 3 | 99 | 91 | 85 | 81 | 97 | 90 | 84 | 80 | 87 | 83 | 79 | 85 | 81 | 77 | 82 | 79 | 76 | 82 | 79 | 76 | 74 |
| 4 | 92 | 83 | 77 | 72 | 91 | 82 | 76 | 71 | 80 | 75 | 71 | 78 | 73 | 70 | 76 | 72 | 69 | 76 | 72 | 69 | 67 |
| 5 | 86 | 76 | 69 | 64 | 85 | 75 | 69 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 70 | 66 | 62 | 61 |
| 6 | 81 | 70 | 63 | 58 | 79 | 69 | 62 | 58 | 68 | 62 | 57 | 66 | 61 | 57 | 65 | 60 | 56 | 65 | 60 | 56 | 55 |
| 7 | 75 | 64 | 57 | 52 | 74 | 64 | 57 | 52 | 62 | 56 | 52 | 61 | 55 | 51 | 60 | 55 | 51 | 60 | 55 | 51 | 49 |
| 8 | 71 | 59 | 52 | 47 | 69 | 59 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 55 | 50 | 46 | 55 | 50 | 46 | 45 |
| 9 | 66 | 55 | 48 | 43 | 65 | 54 | 47 | 43 | 53 | 47 | 43 | 52 | 46 | 42 | 51 | 46 | 42 | 51 | 46 | 42 | 41 |
| 10 | 62 | 51 | 44 | 39 | 61 | 50 | 43 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 47 | 42 | 39 | 47 | 42 | 39 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|-------|-------|-------|
| 0° | 10385 | 10385 | 10385 | 10385 | 10385 |
| 5° | 35371 | 22976 | 9716 | 4097 | 3025 |
| 10° | 113812 | 46588 | 7660 | 1539 | 997 |
| 15° | 231877 | 79004 | 5420 | 553 | 374 |
| 20° | 306620 | 98401 | 3501 | 183 | 183 |
| 25° | 332699 | 95659 | 1957 | 95 | 190 |
| 30° | 362930 | 76245 | 815 | 99 | 199 |
| 35° | 378189 | 47452 | 210 | 105 | 210 |
| 40° | 358881 | 20728 | 112 | 225 | 337 |
| 45° | 239565 | 8281 | 122 | 365 | 633 |
| 50° | 80352 | 1393 | 268 | 563 | 831 |
| 55° | 4474 | 150 | 300 | 781 | 1081 |
| 60° | 344 | 172 | 517 | 896 | 1240 |
| 65° | 408 | 204 | 611 | 1060 | 1467 |
| 70° | 252 | 252 | 755 | 1309 | 1561 |
| 75° | 333 | 333 | 998 | 1397 | 1730 |
| 80° | 0 | 496 | 1488 | 1488 | 1488 |
| 85° | 0 | 988 | 2964 | 988 | 1976 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 239565 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 10.5 | 1.8 |
| 10°-20° | 82.4 | 14.4 |
| 20°-30° | 174.0 | 30.3 |
| 30°-40° | 197.4 | 34.4 |
| 40°-50° | 97.2 | 16.9 |
| 50°-60° | 8.4 | 1.5 |
| 60°-70° | 1.7 | 0.3 |
| 70°-80° | 1.6 | 0.3 |
| 80°-90° | 0.8 | 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° | 266.9 | 46.5 |
| 0°-40° | 464.3 | 80.9 |
| 0°-60° | 569.9 | 99.3 |
| 0°-90° | 573.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 573.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 60 | 60 | 60 | 60 | 60 | |
| 5° | 205 | 133 | 56 | 24 | 18 | 34 |
| 15° | 1300 | 443 | 30 | 3 | 2 | 370 |
| 25° | 1751 | 503 | 10 | 0 | 1 | 815 |
| 35° | 1799 | 226 | 1 | 0 | 1 | 1109 |
| 45° | 984 | 34 | 0 | 2 | 3 | 727 |
| 55° | 15 | 0 | 1 | 3 | 4 | 59 |
| 65° | 1 | 0 | 2 | 3 | 4 | 1 |
| 75° | 0 | 0 | 2 | 2 | 3 | 0 |
| 85° | 0 | 0 | 2 | 0 | 1 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1310050

CATALOG NUMBER: LDSQA3D05R359035DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 67.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|-------|
| 0° | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 |
| 2.5° | 104.6 | 107.2 | 106.1 | 105.6 | 105.1 | 103.1 | 98.4 | 97.9 | 93.3 | 90.2 | 74.7 |
| 5° | 204.6 | 200.4 | 201.5 | 195.8 | 188.6 | 178.3 | 171.6 | 157.2 | 145.3 | 132.9 | 87.1 |
| 7.5° | 385.4 | 379.7 | 368.9 | 352.4 | 335.4 | 313.3 | 279.8 | 253.0 | 222.1 | 192.7 | 96.9 |
| 10° | 650.8 | 647.7 | 633.8 | 591.5 | 554.4 | 495.2 | 439.5 | 380.8 | 323.1 | 266.4 | 103.6 |
| 12.5° | 1005.3 | 984.1 | 958.9 | 902.7 | 829.6 | 755.4 | 645.6 | 544.1 | 451.9 | 357.1 | 104.1 |
| 15° | 1300.5 | 1287.1 | 1251.6 | 1178.4 | 1090.3 | 983.1 | 852.8 | 716.2 | 577.1 | 443.1 | 98.9 |
| 17.5° | 1538.0 | 1517.4 | 1471.6 | 1400.0 | 1298.5 | 1159.3 | 1006.8 | 840.4 | 670.9 | 504.4 | 90.2 |
| 20° | 1673.0 | 1662.2 | 1627.2 | 1555.6 | 1444.8 | 1292.8 | 1119.1 | 925.4 | 729.6 | 536.9 | 78.8 |
| 22.5° | 1741.1 | 1733.3 | 1707.6 | 1650.4 | 1546.8 | 1393.8 | 1194.9 | 969.7 | 746.6 | 533.3 | 67.0 |
| 25° | 1750.8 | 1748.8 | 1726.6 | 1683.3 | 1596.8 | 1445.3 | 1227.9 | 978.0 | 732.7 | 503.4 | 55.6 |
| 27.5° | 1784.9 | 1777.6 | 1751.4 | 1708.1 | 1621.0 | 1454.1 | 1216.5 | 949.6 | 687.9 | 450.9 | 46.4 |
| 30° | 1825.0 | 1819.9 | 1793.6 | 1748.8 | 1645.7 | 1445.8 | 1176.3 | 886.8 | 616.2 | 383.4 | 34.5 |
| 32.5° | 1822.0 | 1819.9 | 1797.7 | 1750.3 | 1628.2 | 1397.4 | 1104.7 | 792.5 | 518.9 | 302.5 | 21.6 |
| 35° | 1798.8 | 1791.6 | 1763.7 | 1690.6 | 1528.3 | 1272.7 | 968.7 | 664.7 | 410.7 | 225.7 | 13.9 |
| 37.5° | 1743.1 | 1727.7 | 1680.8 | 1556.6 | 1349.5 | 1080.5 | 788.9 | 513.2 | 290.6 | 151.0 | 8.8 |
| 40° | 1596.3 | 1576.7 | 1482.4 | 1332.5 | 1115.5 | 851.2 | 586.9 | 353.0 | 191.7 | 92.2 | 3.6 |
| 42.5° | 1324.2 | 1284.5 | 1190.2 | 1036.2 | 832.7 | 601.8 | 385.4 | 228.8 | 112.8 | 55.6 | 1.0 |
| 45° | 983.6 | 953.2 | 854.3 | 714.7 | 545.7 | 385.9 | 233.4 | 123.7 | 62.3 | 34.0 | 0.5 |
| 47.5° | 573.0 | 554.4 | 503.4 | 411.7 | 301.4 | 202.5 | 119.5 | 66.5 | 36.6 | 16.5 | 0.5 |
| 50° | 299.9 | 276.7 | 238.0 | 180.3 | 132.9 | 93.3 | 58.2 | 35.6 | 18.0 | 5.2 | 0.5 |
| 52.5° | 105.1 | 103.6 | 94.3 | 71.1 | 57.7 | 41.7 | 28.3 | 15.5 | 5.2 | 1.0 | 0.5 |
| 55° | 14.9 | 14.9 | 13.9 | 15.5 | 16.5 | 14.9 | 9.8 | 4.1 | 1.0 | 0.5 | 0.5 |
| 57.5° | 1.0 | 1.0 | 1.0 | 1.5 | 2.1 | 2.1 | 1.5 | 0.5 | 0.5 | 0.5 | 1.0 |
| 60° | 1.0 | 1.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.0 |
| 62.5° | 1.0 | 1.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.0 |
| 65° | 1.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.0 |
| 67.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.0 |
| 70° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.5 |
| 72.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.5 |
| 75° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.5 |
| 77.5° | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.5 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 1.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 1.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 1.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 1.0 |
| 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):

| | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|------|--------|------|--------|------|
| 0° | 60.3 | 60.3 | 60.3 | 60.3 | 60.3 |
| 2.5° | 59.8 | 47.9 | 38.1 | 33.5 | 31.9 |
| 5° | 56.2 | 36.1 | 23.7 | 18.5 | 17.5 |
| 7.5° | 50.0 | 25.8 | 14.4 | 10.3 | 9.8 |
| 10° | 43.8 | 18.5 | 8.8 | 6.2 | 5.7 |
| 12.5° | 36.6 | 12.9 | 5.7 | 3.6 | 3.1 |
| 15° | 30.4 | 8.8 | 3.1 | 2.6 | 2.1 |
| 17.5° | 24.2 | 5.7 | 2.1 | 1.5 | 2.1 |
| 20° | 19.1 | 3.6 | 1.0 | 1.0 | 1.0 |
| 22.5° | 14.4 | 2.1 | 1.0 | 1.0 | 1.0 |
| 25° | 10.3 | 1.0 | 0.5 | 0.5 | 1.0 |
| 27.5° | 7.2 | 0.5 | 0.5 | 0.5 | 1.0 |
| 30° | 4.1 | 0.5 | 0.5 | 0.5 | 1.0 |
| 32.5° | 2.1 | 0.5 | 0.5 | 1.0 | 1.0 |
| 35° | 1.0 | 0.5 | 0.5 | 1.0 | 1.0 |
| 37.5° | 0.5 | 0.5 | 0.5 | 1.0 | 1.5 |
| 40° | 0.5 | 0.5 | 1.0 | 1.5 | 1.5 |
| 42.5° | 0.5 | 0.5 | 1.0 | 1.5 | 2.1 |
| 45° | 0.5 | 1.0 | 1.5 | 2.1 | 2.6 |
| 47.5° | 1.0 | 1.0 | 2.1 | 2.6 | 3.1 |
| 50° | 1.0 | 1.5 | 2.1 | 3.1 | 3.1 |
| 52.5° | 1.0 | 1.5 | 2.6 | 3.1 | 3.6 |
| 55° | 1.0 | 2.1 | 2.6 | 3.6 | 3.6 |
| 57.5° | 1.5 | 2.1 | 2.6 | 3.6 | 3.6 |
| 60° | 1.5 | 2.1 | 2.6 | 3.6 | 3.6 |
| 62.5° | 1.5 | 2.1 | 2.6 | 3.6 | 3.6 |
| 65° | 1.5 | 2.1 | 2.6 | 3.6 | 3.6 |
| 67.5° | 1.5 | 2.1 | 2.6 | 3.1 | 3.6 |
| 70° | 1.5 | 2.1 | 2.6 | 3.1 | 3.1 |
| 72.5° | 2.1 | 2.1 | 2.6 | 3.1 | 3.1 |
| 75° | 1.5 | 2.1 | 2.1 | 2.6 | 2.6 |
| 77.5° | 1.5 | 1.5 | 1.5 | 2.1 | 2.1 |
| 80° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 82.5° | 1.5 | 1.0 | 1.0 | 1.5 | 1.5 |
| 85° | 1.5 | 1.0 | 0.5 | 1.0 | 1.0 |
| 87.5° | 1.0 | 1.0 | 0.5 | 0.5 | 0.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)