

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: P1316296

Luminaire Tested: LDSQA3D05R409740DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316296
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-64)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D05R409740DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R40 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

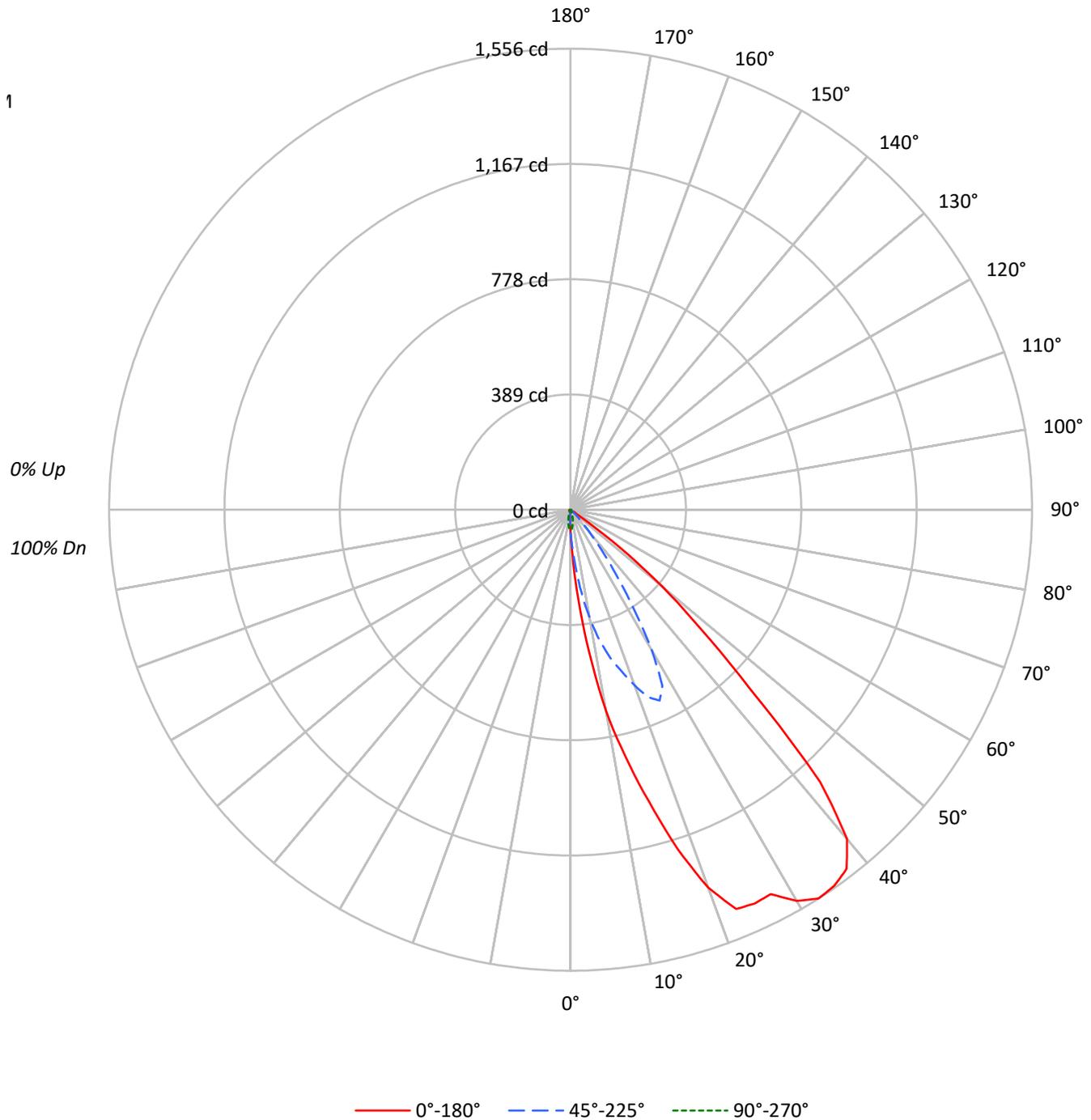
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 574.1 lumens
Efficiency: N/A
Efficacy: 79.7 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.42 / 1.24
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 (Ain): 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: P1316296

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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 | 100 | 100 | 100 | 100 |
| 1 | 112 | 109 | 106 | 104 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 96 | 94 | 93 | 91 | 91 | 91 | 91 |
| 2 | 105 | 100 | 95 | 91 | 103 | 98 | 94 | 90 | 95 | 91 | 88 | 92 | 89 | 86 | 89 | 86 | 84 | 82 | 82 | 82 | 82 |
| 3 | 99 | 91 | 85 | 80 | 97 | 90 | 84 | 80 | 87 | 82 | 78 | 84 | 80 | 77 | 82 | 79 | 76 | 74 | 74 | 74 | 74 |
| 4 | 92 | 83 | 77 | 71 | 90 | 82 | 76 | 71 | 80 | 74 | 70 | 78 | 73 | 69 | 76 | 72 | 68 | 67 | 67 | 67 | 67 |
| 5 | 86 | 76 | 69 | 64 | 84 | 75 | 68 | 64 | 73 | 67 | 63 | 71 | 66 | 62 | 70 | 65 | 62 | 60 | 60 | 60 | 60 |
| 6 | 80 | 70 | 62 | 57 | 79 | 69 | 62 | 57 | 67 | 61 | 57 | 66 | 60 | 56 | 64 | 60 | 56 | 54 | 54 | 54 | 54 |
| 7 | 75 | 64 | 57 | 52 | 74 | 63 | 56 | 51 | 62 | 56 | 51 | 61 | 55 | 51 | 59 | 54 | 51 | 49 | 49 | 49 | 49 |
| 8 | 70 | 59 | 52 | 47 | 69 | 58 | 51 | 47 | 57 | 51 | 46 | 56 | 50 | 46 | 55 | 50 | 46 | 44 | 44 | 44 | 44 |
| 9 | 66 | 54 | 47 | 42 | 65 | 54 | 47 | 42 | 53 | 46 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 40 | 40 | 40 | 40 |
| 10 | 62 | 50 | 43 | 39 | 61 | 50 | 43 | 39 | 49 | 43 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 37 | 37 | 37 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 11694 | 11694 | 11694 | 11694 | 11694 |
| 5° | 52746 | 33625 | 10477 | 4028 | 2939 |
| 10° | 120982 | 64985 | 7380 | 1434 | 1102 |
| 15° | 181561 | 92216 | 4582 | 785 | 695 |
| 20° | 248595 | 115592 | 2676 | 440 | 531 |
| 25° | 278693 | 135052 | 1387 | 361 | 456 |
| 30° | 303131 | 109018 | 577 | 298 | 477 |
| 35° | 325775 | 55799 | 210 | 399 | 610 |
| 40° | 325900 | 22257 | 112 | 427 | 764 |
| 45° | 208073 | 7453 | 244 | 706 | 1072 |
| 50° | 108003 | 911 | 402 | 911 | 1313 |
| 55° | 9308 | 150 | 450 | 1171 | 1591 |
| 60° | 344 | 172 | 517 | 1343 | 1826 |
| 65° | 408 | 204 | 774 | 1386 | 1997 |
| 70° | 252 | 252 | 957 | 1460 | 1964 |
| 75° | 333 | 333 | 998 | 1597 | 2262 |
| 80° | 496 | 496 | 1488 | 1488 | 1884 |
| 85° | 0 | 988 | 2964 | 1976 | 1976 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 208073 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 13.2 | 2.3 |
| 10°-20° | 77.7 | 13.5 |
| 20°-30° | 170.1 | 29.6 |
| 30°-40° | 193.8 | 33.8 |
| 40°-50° | 102.3 | 17.8 |
| 50°-60° | 12.1 | 2.1 |
| 60°-70° | 2.2 | 0.4 |
| 70°-80° | 1.8 | 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° | 261.1 | 45.5 |
| 0°-40° | 454.9 | 79.2 |
| 0°-60° | 569.3 | 99.2 |
| 0°-90° | 574.1 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 574.1 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 68 | 68 | 68 | 68 | 68 | |
| 5° | 305 | 194 | 61 | 23 | 17 | 41 |
| 15° | 1018 | 517 | 26 | 4 | 4 | 300 |
| 25° | 1467 | 711 | 7 | 2 | 2 | 676 |
| 35° | 1550 | 265 | 1 | 2 | 3 | 960 |
| 45° | 854 | 31 | 1 | 3 | 4 | 689 |
| 55° | 31 | 0 | 2 | 4 | 5 | 96 |
| 65° | 1 | 0 | 2 | 3 | 5 | 1 |
| 75° | 0 | 0 | 2 | 2 | 3 | 1 |
| 85° | 0 | 0 | 2 | 1 | 1 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1316296

CATALOG NUMBER: LDSQA3D05R409740DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 67.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0° | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 |
| 2.5° | 151.4 | 151.4 | 150.9 | 146.5 | 146.0 | 145.5 | 137.8 | 135.8 | 126.6 | 120.3 | 91.7 |
| 5° | 305.1 | 298.4 | 297.9 | 290.1 | 277.0 | 259.5 | 248.4 | 230.4 | 213.0 | 194.5 | 113.0 |
| 7.5° | 486.1 | 491.9 | 475.9 | 467.7 | 438.6 | 417.7 | 385.7 | 357.5 | 318.2 | 281.4 | 130.5 |
| 10° | 691.8 | 681.6 | 665.6 | 649.6 | 618.1 | 580.7 | 533.2 | 483.2 | 426.4 | 371.6 | 140.2 |
| 12.5° | 852.4 | 839.3 | 829.6 | 807.7 | 776.7 | 728.7 | 671.9 | 605.0 | 529.8 | 450.7 | 139.7 |
| 15° | 1018.3 | 1005.2 | 983.4 | 964.0 | 917.9 | 864.0 | 802.4 | 714.1 | 621.9 | 517.2 | 129.5 |
| 17.5° | 1200.7 | 1183.7 | 1159.5 | 1129.9 | 1085.2 | 1025.6 | 947.5 | 839.8 | 709.3 | 571.5 | 111.1 |
| 20° | 1356.4 | 1346.2 | 1322.0 | 1287.1 | 1243.4 | 1185.2 | 1094.9 | 975.6 | 816.5 | 630.7 | 88.3 |
| 22.5° | 1458.3 | 1449.1 | 1432.6 | 1402.0 | 1369.0 | 1307.0 | 1224.5 | 1093.5 | 906.2 | 684.5 | 66.9 |
| 25° | 1466.6 | 1462.7 | 1458.3 | 1448.1 | 1428.2 | 1384.1 | 1303.6 | 1162.4 | 962.0 | 710.7 | 49.5 |
| 27.5° | 1462.2 | 1460.7 | 1459.8 | 1454.4 | 1441.3 | 1397.7 | 1315.2 | 1172.6 | 954.7 | 670.0 | 36.4 |
| 30° | 1524.3 | 1519.9 | 1517.5 | 1500.0 | 1465.6 | 1398.2 | 1290.5 | 1117.8 | 848.5 | 548.2 | 26.2 |
| 32.5° | 1555.8 | 1554.9 | 1552.4 | 1535.5 | 1486.9 | 1399.1 | 1248.7 | 985.3 | 672.9 | 395.9 | 17.9 |
| 35° | 1549.5 | 1544.7 | 1535.9 | 1504.4 | 1437.0 | 1326.8 | 1113.9 | 786.9 | 485.6 | 265.4 | 11.6 |
| 37.5° | 1528.2 | 1517.0 | 1500.0 | 1443.3 | 1353.5 | 1203.1 | 903.3 | 579.3 | 330.4 | 171.7 | 6.8 |
| 40° | 1449.6 | 1434.5 | 1407.9 | 1338.5 | 1220.6 | 991.6 | 668.0 | 391.5 | 216.9 | 99.0 | 1.9 |
| 42.5° | 1246.3 | 1226.9 | 1207.5 | 1129.9 | 995.0 | 739.3 | 439.5 | 242.1 | 123.7 | 54.3 | 0.5 |
| 45° | 854.3 | 830.1 | 803.4 | 747.1 | 638.9 | 447.8 | 261.5 | 136.3 | 64.0 | 30.6 | 0.5 |
| 47.5° | 593.3 | 582.2 | 535.6 | 463.8 | 355.6 | 237.2 | 135.4 | 66.9 | 34.0 | 14.1 | 0.5 |
| 50° | 403.1 | 390.5 | 336.2 | 266.8 | 189.2 | 113.5 | 62.1 | 33.5 | 15.0 | 3.4 | 0.5 |
| 52.5° | 211.5 | 196.0 | 161.5 | 123.2 | 76.7 | 47.5 | 27.2 | 14.6 | 4.4 | 0.5 | 0.5 |
| 55° | 31.0 | 28.6 | 23.3 | 18.9 | 17.0 | 13.1 | 7.8 | 3.4 | 0.5 | 0.5 | 1.0 |
| 57.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.5 | 1.5 | 1.0 | 0.5 | 0.5 | 0.5 | 1.0 |
| 60° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.0 |
| 62.5° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.0 |
| 65° | 1.0 | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.0 |
| 67.5° | 1.0 | 1.0 | 1.0 | 1.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.0 | 1.5 |
| 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 | 1.0 | 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° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.0 | 1.5 |
| 80° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.5 |
| 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° | 67.9 | 67.9 | 67.9 | 67.9 | 67.9 |
| 2.5° | 66.9 | 49.5 | 38.3 | 33.0 | 32.5 |
| 5° | 60.6 | 35.4 | 23.3 | 17.9 | 17.0 |
| 7.5° | 51.4 | 24.7 | 13.6 | 9.7 | 9.2 |
| 10° | 42.2 | 17.0 | 8.2 | 6.8 | 6.3 |
| 12.5° | 33.5 | 11.2 | 5.8 | 5.3 | 4.9 |
| 15° | 25.7 | 7.3 | 4.4 | 3.9 | 3.9 |
| 17.5° | 19.4 | 4.9 | 3.4 | 3.4 | 3.4 |
| 20° | 14.6 | 3.4 | 2.4 | 2.9 | 2.9 |
| 22.5° | 10.2 | 2.4 | 1.9 | 2.4 | 2.4 |
| 25° | 7.3 | 1.9 | 1.9 | 2.4 | 2.4 |
| 27.5° | 4.9 | 1.5 | 1.5 | 1.9 | 2.4 |
| 30° | 2.9 | 1.0 | 1.5 | 1.9 | 2.4 |
| 32.5° | 1.5 | 1.0 | 1.5 | 2.4 | 2.4 |
| 35° | 1.0 | 1.5 | 1.9 | 2.4 | 2.9 |
| 37.5° | 0.5 | 1.5 | 1.9 | 2.9 | 2.9 |
| 40° | 0.5 | 1.5 | 1.9 | 2.9 | 3.4 |
| 42.5° | 1.0 | 1.9 | 2.4 | 3.4 | 3.9 |
| 45° | 1.0 | 1.9 | 2.9 | 3.9 | 4.4 |
| 47.5° | 1.0 | 1.9 | 3.4 | 4.4 | 4.4 |
| 50° | 1.5 | 2.4 | 3.4 | 4.4 | 4.9 |
| 52.5° | 1.5 | 2.4 | 3.4 | 4.9 | 5.3 |
| 55° | 1.5 | 2.4 | 3.9 | 4.9 | 5.3 |
| 57.5° | 1.5 | 2.9 | 3.9 | 4.9 | 5.3 |
| 60° | 1.5 | 2.4 | 3.9 | 4.9 | 5.3 |
| 62.5° | 1.9 | 2.4 | 3.4 | 4.9 | 4.9 |
| 65° | 1.9 | 2.4 | 3.4 | 4.9 | 4.9 |
| 67.5° | 1.9 | 2.4 | 3.4 | 4.4 | 4.4 |
| 70° | 1.9 | 2.4 | 2.9 | 3.9 | 3.9 |
| 72.5° | 1.9 | 2.4 | 2.9 | 3.4 | 3.9 |
| 75° | 1.5 | 1.9 | 2.4 | 2.9 | 3.4 |
| 77.5° | 1.5 | 1.9 | 1.9 | 2.9 | 2.9 |
| 80° | 1.5 | 1.5 | 1.5 | 1.9 | 1.9 |
| 82.5° | 1.5 | 1.5 | 1.0 | 1.5 | 1.5 |
| 85° | 1.5 | 1.0 | 1.0 | 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)