

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: P1316460

Luminaire Tested: LDSQA3D09R459740DE010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1316460
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-58)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R459740DE010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R45 optic, 4000K CCT AND, 97CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

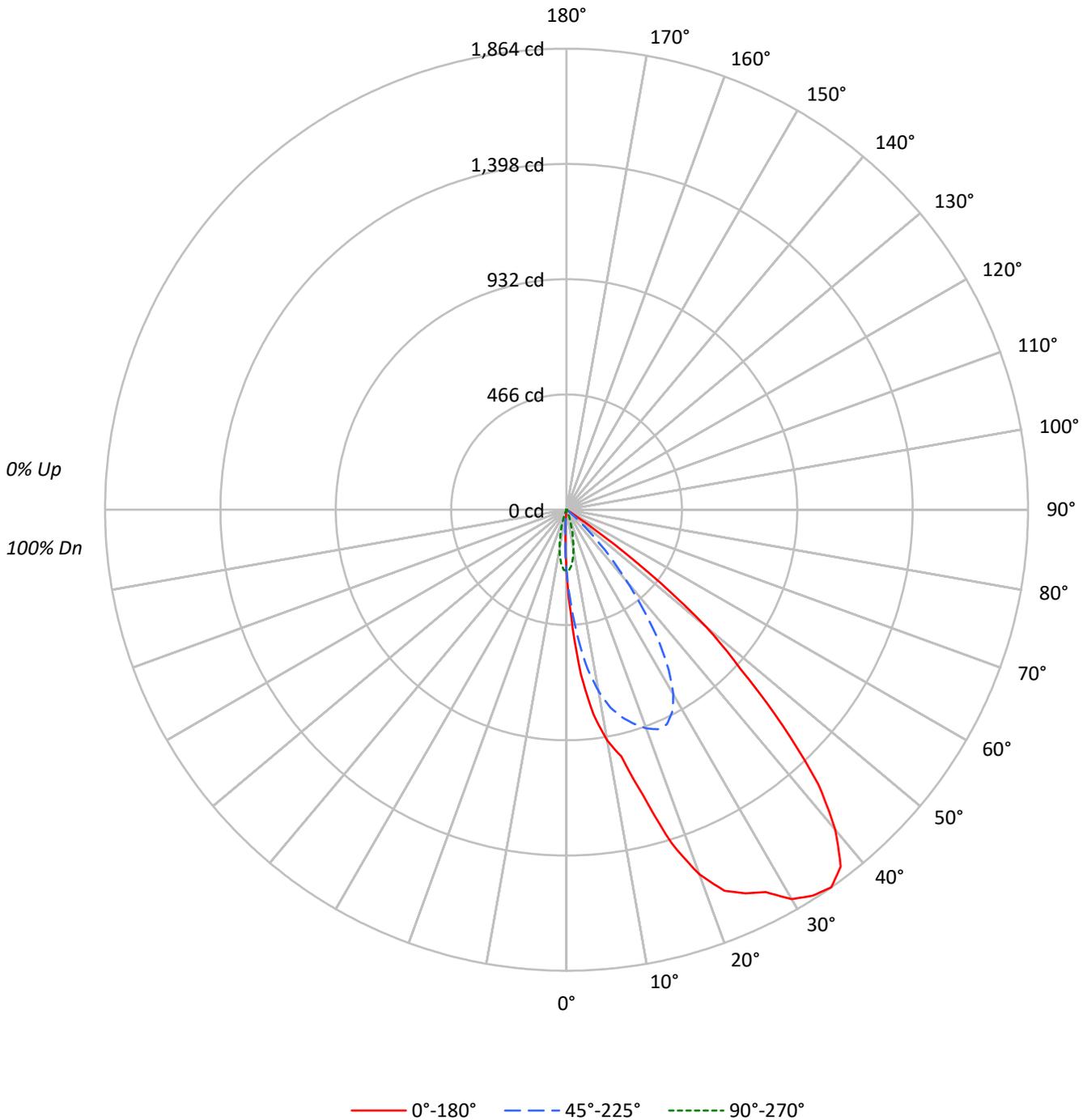
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 790.0 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Spacing Criteria (0/90/45): 2.27 / 0.42 / 1.26
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11.1
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: P1316460

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

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|-------|-------|-------|
| 0° | 42263 | 42263 | 42263 | 42263 | 42263 |
| 5° | 115363 | 88757 | 39106 | 7849 | 2939 |
| 10° | 165681 | 130215 | 28278 | 752 | 612 |
| 15° | 213298 | 154887 | 15048 | 250 | 0 |
| 20° | 287486 | 172334 | 5718 | 0 | 0 |
| 25° | 325155 | 182046 | 1482 | 0 | 0 |
| 30° | 361438 | 171621 | 139 | 0 | 0 |
| 35° | 391792 | 136870 | 0 | 0 | 0 |
| 40° | 379745 | 85926 | 0 | 0 | 0 |
| 45° | 301040 | 40942 | 0 | 0 | 0 |
| 50° | 197010 | 5117 | 0 | 0 | 0 |
| 55° | 33839 | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 241 | 0 | 0 |
| 65° | 0 | 285 | 285 | 0 | 0 |
| 70° | 0 | 352 | 705 | 0 | 0 |
| 75° | 0 | 466 | 932 | 0 | 0 |
| 80° | 0 | 694 | 1389 | 694 | 0 |
| 85° | 0 | 1383 | 2766 | 1383 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 301040 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 29.2 | 3.7 |
| 10°-20° | 112.5 | 14.2 |
| 20°-30° | 210.7 | 26.7 |
| 30°-40° | 245.9 | 31.1 |
| 40°-50° | 160.4 | 20.3 |
| 50°-60° | 29.8 | 3.8 |
| 60°-70° | 0.3 | 0.0 |
| 70°-80° | 0.6 | 0.1 |
| 80°-90° | 0.6 | 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° | 352.4 | 44.6 |
| 0°-40° | 598.3 | 75.7 |
| 0°-60° | 788.5 | 99.8 |
| 0°-90° | 790.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 790.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 245 | 245 | 245 | 245 | 245 | |
| 5° | 667 | 513 | 226 | 45 | 17 | 71 |
| 15° | 1196 | 869 | 84 | 1 | 0 | 356 |
| 25° | 1711 | 958 | 8 | 0 | 0 | 791 |
| 35° | 1864 | 651 | 0 | 0 | 0 | 1143 |
| 45° | 1236 | 168 | 0 | 0 | 0 | 940 |
| 55° | 113 | 0 | 0 | 0 | 0 | 196 |
| 65° | 0 | 1 | 1 | 0 | 0 | 0 |
| 75° | 0 | 1 | 1 | 0 | 0 | 0 |
| 85° | 0 | 1 | 1 | 1 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1316460
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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|
| 0° | 245.4 | 245.4 | 245.4 | 245.4 | 245.4 | 245.4 | 245.4 | 245.4 | 245.4 | 245.4 | 245.4 |
| 2.5° | 432.6 | 436.1 | 429.0 | 426.2 | 417.0 | 419.1 | 403.5 | 397.1 | 387.2 | 370.9 | 363.1 |
| 5° | 667.3 | 660.9 | 655.2 | 643.2 | 636.1 | 616.9 | 595.7 | 571.5 | 542.5 | 513.4 | 480.1 |
| 7.5° | 834.6 | 829.7 | 827.5 | 817.6 | 803.4 | 783.6 | 755.9 | 725.4 | 687.8 | 648.8 | 598.5 |
| 10° | 947.4 | 942.4 | 933.9 | 924.0 | 912.6 | 896.3 | 869.4 | 836.0 | 794.9 | 744.6 | 685.7 |
| 12.5° | 1021.1 | 1020.4 | 1006.2 | 994.9 | 980.7 | 966.5 | 938.9 | 911.9 | 871.5 | 819.7 | 753.1 |
| 15° | 1196.3 | 1184.9 | 1166.5 | 1134.6 | 1094.9 | 1058.0 | 1013.3 | 970.8 | 926.8 | 868.7 | 794.2 |
| 17.5° | 1414.7 | 1401.9 | 1370.7 | 1330.3 | 1266.5 | 1196.3 | 1119.7 | 1052.3 | 986.4 | 907.7 | 819.7 |
| 20° | 1568.6 | 1563.6 | 1537.4 | 1490.6 | 1422.5 | 1329.6 | 1228.9 | 1133.9 | 1041.0 | 940.3 | 831.8 |
| 22.5° | 1667.1 | 1664.3 | 1653.7 | 1621.7 | 1552.2 | 1448.0 | 1318.2 | 1190.6 | 1078.6 | 960.8 | 828.2 |
| 25° | 1711.1 | 1714.6 | 1716.1 | 1700.5 | 1644.4 | 1538.1 | 1384.2 | 1233.9 | 1099.8 | 958.0 | 801.3 |
| 27.5° | 1742.3 | 1742.3 | 1748.0 | 1740.9 | 1684.1 | 1572.1 | 1409.7 | 1248.7 | 1092.7 | 923.3 | 744.6 |
| 30° | 1817.5 | 1816.0 | 1819.6 | 1800.4 | 1721.7 | 1582.7 | 1398.4 | 1224.6 | 1052.3 | 863.0 | 663.0 |
| 32.5° | 1850.1 | 1851.5 | 1850.8 | 1820.3 | 1728.8 | 1575.6 | 1370.7 | 1178.5 | 977.9 | 768.7 | 555.2 |
| 35° | 1863.5 | 1857.2 | 1830.9 | 1761.4 | 1645.9 | 1481.3 | 1292.7 | 1100.5 | 873.6 | 651.0 | 438.2 |
| 37.5° | 1818.9 | 1800.4 | 1742.3 | 1647.3 | 1506.2 | 1348.0 | 1163.7 | 960.8 | 735.3 | 510.6 | 329.7 |
| 40° | 1689.1 | 1665.0 | 1592.0 | 1477.1 | 1348.0 | 1205.5 | 1011.2 | 797.0 | 575.1 | 382.2 | 231.2 |
| 42.5° | 1505.4 | 1477.8 | 1399.1 | 1299.1 | 1181.4 | 1031.8 | 838.2 | 624.0 | 421.2 | 263.8 | 146.8 |
| 45° | 1236.0 | 1220.4 | 1175.0 | 1090.6 | 975.0 | 819.7 | 642.5 | 455.3 | 291.4 | 168.1 | 75.2 |
| 47.5° | 955.9 | 936.0 | 903.4 | 845.3 | 748.8 | 601.3 | 449.6 | 309.2 | 187.2 | 83.0 | 15.6 |
| 50° | 735.3 | 711.9 | 672.2 | 607.7 | 507.0 | 401.4 | 291.4 | 192.9 | 95.0 | 19.1 | 0.7 |
| 52.5° | 423.3 | 428.3 | 409.2 | 368.0 | 312.0 | 240.4 | 168.8 | 97.1 | 21.3 | 0.7 | 0.0 |
| 55° | 112.7 | 122.0 | 119.1 | 128.3 | 112.7 | 95.0 | 70.2 | 18.4 | 1.4 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.7 | 1.4 | 4.3 | 6.4 | 2.1 | 0.7 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.7 | 0.7 | 0.7 | 0.7 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 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° | 245.4 | 245.4 | 245.4 | 245.4 | 245.4 | 245.4 | 245.4 | 245.4 |
| 2.5° | 345.3 | 330.4 | 312.0 | 243.9 | 183.7 | 131.9 | 102.8 | 95.0 |
| 5° | 448.2 | 412.0 | 365.2 | 226.2 | 113.5 | 45.4 | 20.6 | 17.0 |
| 7.5° | 545.3 | 492.1 | 407.7 | 197.8 | 57.4 | 11.3 | 5.7 | 5.0 |
| 10° | 620.5 | 548.9 | 438.9 | 161.7 | 21.3 | 4.3 | 3.5 | 3.5 |
| 12.5° | 672.2 | 585.0 | 450.3 | 122.7 | 7.8 | 2.1 | 2.1 | 1.4 |
| 15° | 702.0 | 599.2 | 439.6 | 84.4 | 2.8 | 1.4 | 0.0 | 0.0 |
| 17.5° | 711.2 | 593.5 | 411.3 | 53.2 | 0.7 | 0.0 | 0.0 | 0.0 |
| 20° | 703.4 | 565.9 | 366.6 | 31.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 22.5° | 677.9 | 522.6 | 312.7 | 17.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25° | 630.4 | 461.6 | 249.6 | 7.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27.5° | 553.1 | 382.9 | 187.9 | 2.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 465.2 | 298.5 | 133.3 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 363.1 | 219.8 | 85.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 273.0 | 153.9 | 51.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 190.0 | 97.1 | 26.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 118.4 | 52.5 | 9.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 65.9 | 18.4 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 15.6 | 1.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.7 | 0.7 | 0.7 | 0.7 | 0.7 | 0.0 | 0.0 | 0.0 |
| 70° | 0.7 | 0.7 | 0.7 | 1.4 | 0.7 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.7 | 0.7 | 1.4 | 1.4 | 0.7 | 0.0 | 0.0 | 0.0 |
| 75° | 0.7 | 0.7 | 1.4 | 1.4 | 0.7 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.7 | 1.4 | 1.4 | 1.4 | 0.7 | 0.7 | 0.0 | 0.0 |
| 80° | 0.7 | 1.4 | 1.4 | 1.4 | 1.4 | 0.7 | 0.0 | 0.0 |
| 82.5° | 0.7 | 1.4 | 1.4 | 1.4 | 1.4 | 0.7 | 0.0 | 0.0 |
| 85° | 0.7 | 1.4 | 1.4 | 1.4 | 0.7 | 0.7 | 0.0 | 0.0 |
| 87.5° | 0.7 | 1.4 | 1.4 | 1.4 | 1.4 | 0.7 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)