

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: P1318204

Luminaire Tested: LDSQA3D09R309830DE010 3LSQCA30R 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1318204
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-62)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D09R309830DE010 3LSQCA30R 1MW
Description: 3in Adjustable LED luminaire with, R30 optic, 3000K CCT AND, 98CRI , 3LSQCA30R 1MW TRIM
Light Source: -
Ballast/Driver: -

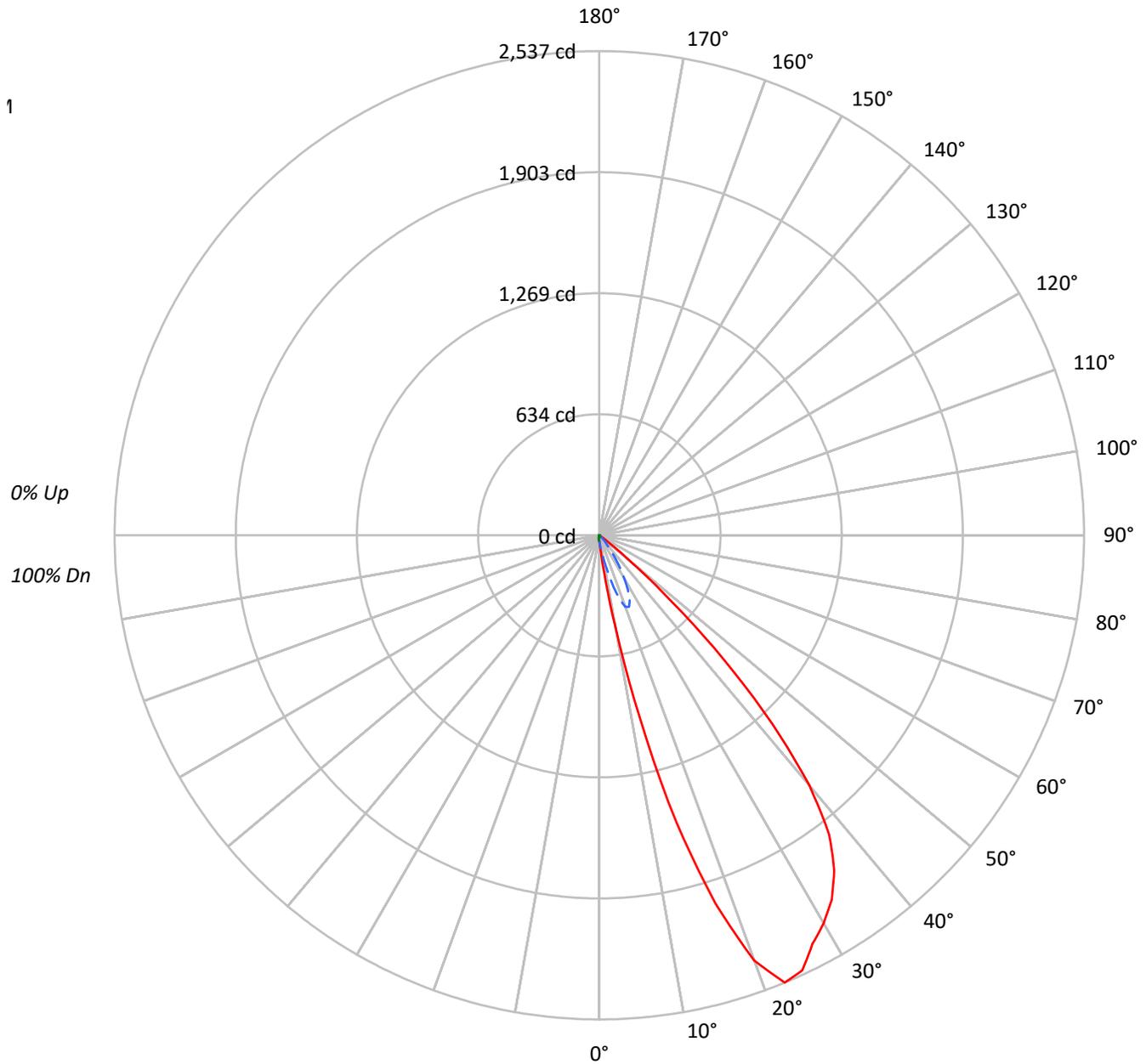
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 597.9 lumens
Efficiency: N/A
Efficacy: 54.4 lumens/watt
Spacing Criteria (0/90/45): 2.53 / 0.5 / 1.28
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 11
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

TEST NUMBER: P1318204
CATALOG NUMBER: LDSQA3D09R309830DE010 3LSQCA30R 1MW

Luminous Intensity Polar Plot



— 0°-180° - - - 45°-225° ····· 90°-270°



TEST NUMBER: P1318204

CATALOG NUMBER: LDSQA3D09R309830DE010 3LSQCA30R 1MW

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 | 113 | 109 | 107 | 104 | 110 | 107 | 105 | 102 | 103 | 101 | 99 | 99 | 98 | 96 | 96 | 95 | 93 | 96 | 95 | 93 | 92 |
| 2 | 106 | 100 | 95 | 92 | 104 | 98 | 94 | 90 | 95 | 92 | 88 | 92 | 89 | 87 | 89 | 87 | 85 | 89 | 87 | 85 | 83 |
| 3 | 99 | 92 | 86 | 81 | 97 | 90 | 85 | 81 | 88 | 83 | 79 | 85 | 81 | 78 | 83 | 79 | 77 | 83 | 79 | 77 | 75 |
| 4 | 93 | 84 | 77 | 72 | 91 | 83 | 77 | 72 | 80 | 75 | 71 | 78 | 74 | 70 | 76 | 73 | 69 | 76 | 73 | 69 | 68 |
| 5 | 87 | 77 | 70 | 65 | 85 | 76 | 69 | 65 | 74 | 68 | 64 | 72 | 67 | 63 | 71 | 66 | 63 | 71 | 66 | 63 | 61 |
| 6 | 81 | 71 | 64 | 58 | 80 | 70 | 63 | 58 | 68 | 62 | 58 | 67 | 61 | 57 | 65 | 61 | 57 | 65 | 61 | 57 | 55 |
| 7 | 76 | 65 | 58 | 53 | 74 | 64 | 57 | 53 | 63 | 57 | 52 | 61 | 56 | 52 | 60 | 55 | 52 | 60 | 55 | 52 | 50 |
| 8 | 71 | 60 | 53 | 48 | 70 | 59 | 52 | 48 | 58 | 52 | 47 | 57 | 51 | 47 | 56 | 51 | 47 | 56 | 51 | 47 | 45 |
| 9 | 67 | 55 | 48 | 43 | 65 | 55 | 48 | 43 | 53 | 47 | 43 | 52 | 47 | 43 | 52 | 46 | 43 | 52 | 46 | 43 | 41 |
| 10 | 62 | 51 | 44 | 39 | 61 | 50 | 44 | 39 | 49 | 43 | 39 | 49 | 43 | 39 | 48 | 43 | 39 | 48 | 43 | 39 | 37 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|------|------|------|
| 0° | 4891 | 4891 | 4891 | 4891 | 4891 |
| 5° | 14729 | 9820 | 4633 | 2075 | 1694 |
| 10° | 85341 | 20828 | 3637 | 962 | 665 |
| 15° | 277574 | 47249 | 2532 | 196 | 89 |
| 20° | 434345 | 73109 | 1594 | 0 | 0 |
| 25° | 477860 | 71431 | 836 | 0 | 0 |
| 30° | 466718 | 51506 | 318 | 0 | 0 |
| 35° | 450471 | 29287 | 105 | 0 | 0 |
| 40° | 384151 | 12410 | 0 | 0 | 0 |
| 45° | 225463 | 4652 | 122 | 0 | 122 |
| 50° | 54765 | 884 | 134 | 134 | 429 |
| 55° | 4744 | 0 | 330 | 480 | 661 |
| 60° | 172 | 0 | 379 | 551 | 930 |
| 65° | 204 | 204 | 652 | 652 | 1100 |
| 70° | 252 | 252 | 806 | 806 | 1108 |
| 75° | 0 | 333 | 1065 | 1065 | 1065 |
| 80° | 0 | 496 | 1587 | 1091 | 1091 |
| 85° | 0 | 988 | 3162 | 988 | 988 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 225463 cd/sqm



TEST NUMBER: P1318204

CATALOG NUMBER: LDSQA3D09R309830DE010 3LSQCA30R 1MW

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 5.2 | 0.9 |
| 10°-20° | 82.2 | 13.7 |
| 20°-30° | 208.9 | 34.9 |
| 30°-40° | 208.2 | 34.8 |
| 40°-50° | 84.3 | 14.1 |
| 50°-60° | 5.8 | 1.0 |
| 60°-70° | 1.3 | 0.2 |
| 70°-80° | 1.3 | 0.2 |
| 80°-90° | 0.7 | 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° | 296.3 | 49.6 |
| 0°-40° | 504.4 | 84.4 |
| 0°-60° | 594.6 | 99.4 |
| 0°-90° | 597.9 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 597.9 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|-----|-----|------|------|------|
| 0° | 28 | 28 | 28 | 28 | 28 | |
| 5° | 85 | 57 | 27 | 12 | 10 | 20 |
| 15° | 1557 | 265 | 14 | 1 | 0 | 453 |
| 25° | 2515 | 376 | 4 | 0 | 0 | 1135 |
| 35° | 2143 | 139 | 0 | 0 | 0 | 1313 |
| 45° | 926 | 19 | 0 | 0 | 0 | 706 |
| 55° | 16 | 0 | 1 | 2 | 2 | 41 |
| 65° | 0 | 0 | 2 | 2 | 3 | 0 |
| 75° | 0 | 0 | 2 | 2 | 2 | 0 |
| 85° | 0 | 0 | 2 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1318204

CATALOG NUMBER: LDSQA3D09R309830DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 67.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|-------|-------|-------|
| 0° | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| 2.5° | 47.0 | 47.5 | 47.5 | 46.4 | 45.9 | 45.9 | 44.3 | 43.7 | 42.1 | 40.4 | 35.0 |
| 5° | 85.2 | 83.6 | 81.4 | 81.4 | 76.5 | 73.8 | 69.9 | 65.6 | 62.3 | 56.8 | 40.4 |
| 7.5° | 193.4 | 180.3 | 176.5 | 171.6 | 153.0 | 138.2 | 121.3 | 106.6 | 92.9 | 81.4 | 44.8 |
| 10° | 488.0 | 462.3 | 441.0 | 397.8 | 343.7 | 291.8 | 243.7 | 188.0 | 149.7 | 119.1 | 48.1 |
| 12.5° | 983.0 | 948.6 | 907.6 | 828.9 | 727.9 | 598.3 | 483.6 | 361.2 | 253.5 | 175.4 | 49.2 |
| 15° | 1556.8 | 1498.3 | 1434.4 | 1334.4 | 1168.8 | 983.0 | 775.9 | 580.9 | 407.1 | 265.0 | 48.1 |
| 17.5° | 2024.5 | 2001.6 | 1907.1 | 1770.4 | 1567.7 | 1328.4 | 1073.2 | 806.5 | 549.2 | 347.0 | 44.8 |
| 20° | 2369.9 | 2354.0 | 2239.8 | 2094.5 | 1866.1 | 1591.8 | 1267.7 | 947.5 | 648.1 | 398.9 | 39.9 |
| 22.5° | 2536.6 | 2533.8 | 2451.3 | 2302.7 | 2060.6 | 1749.7 | 1392.9 | 1028.9 | 678.7 | 406.0 | 33.3 |
| 25° | 2514.7 | 2524.5 | 2477.5 | 2367.2 | 2134.9 | 1814.7 | 1430.0 | 1028.9 | 656.3 | 375.9 | 27.9 |
| 27.5° | 2415.2 | 2421.8 | 2392.3 | 2307.6 | 2091.2 | 1767.7 | 1378.1 | 962.8 | 591.2 | 322.9 | 23.0 |
| 30° | 2346.9 | 2349.7 | 2313.1 | 2222.4 | 1992.8 | 1660.6 | 1255.7 | 840.4 | 492.9 | 259.0 | 16.9 |
| 32.5° | 2263.9 | 2263.3 | 2220.7 | 2116.9 | 1863.9 | 1510.3 | 1100.5 | 694.5 | 378.7 | 196.7 | 9.8 |
| 35° | 2142.6 | 2128.9 | 2071.0 | 1951.3 | 1671.5 | 1308.2 | 902.2 | 528.9 | 272.7 | 139.3 | 6.0 |
| 37.5° | 1975.9 | 1940.4 | 1858.4 | 1698.3 | 1401.6 | 1025.7 | 668.8 | 371.6 | 186.3 | 92.3 | 3.8 |
| 40° | 1708.7 | 1671.0 | 1559.5 | 1365.0 | 1060.1 | 738.2 | 450.8 | 242.1 | 117.5 | 55.2 | 2.2 |
| 42.5° | 1339.9 | 1314.2 | 1163.9 | 969.9 | 700.0 | 471.0 | 271.0 | 143.2 | 66.1 | 31.7 | 0.5 |
| 45° | 925.7 | 892.3 | 774.3 | 609.8 | 420.2 | 261.2 | 151.9 | 74.9 | 37.7 | 19.1 | 0.0 |
| 47.5° | 510.9 | 469.9 | 401.6 | 315.8 | 211.5 | 137.2 | 76.5 | 40.4 | 21.3 | 9.3 | 0.0 |
| 50° | 204.4 | 202.7 | 161.2 | 114.8 | 80.9 | 62.3 | 38.3 | 21.9 | 10.9 | 3.3 | 0.5 |
| 52.5° | 71.6 | 71.6 | 61.7 | 50.3 | 39.3 | 28.4 | 19.1 | 10.4 | 3.8 | 1.1 | 0.5 |
| 55° | 15.8 | 17.5 | 16.4 | 15.3 | 14.8 | 12.6 | 8.2 | 3.8 | 1.1 | 0.0 | 0.5 |
| 57.5° | 1.6 | 1.6 | 1.6 | 2.2 | 2.7 | 2.7 | 2.2 | 1.1 | 0.0 | 0.0 | 0.5 |
| 60° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 | 1.1 |
| 62.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 1.1 |
| 65° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.1 |
| 67.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.1 |
| 70° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.6 |
| 72.5° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.6 |
| 75° | 0.0 | 0.0 | 0.5 | 0.5 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.6 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.1 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 1.1 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 1.1 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 1.1 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.5 | 0.5 | 1.1 |
| 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: P1318204

CATALOG NUMBER: LDSQA3D09R309830DE010 3LSQCA30R 1MW

CANDELA DISTRIBUTION (continued):

| | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|------|--------|------|--------|------|
| 0° | 28.4 | 28.4 | 28.4 | 28.4 | 28.4 |
| 2.5° | 28.4 | 22.4 | 18.6 | 16.4 | 15.8 |
| 5° | 26.8 | 16.9 | 12.0 | 10.4 | 9.8 |
| 7.5° | 24.0 | 12.6 | 8.2 | 6.6 | 6.0 |
| 10° | 20.8 | 9.3 | 5.5 | 3.8 | 3.8 |
| 12.5° | 17.5 | 7.1 | 3.3 | 1.6 | 1.1 |
| 15° | 14.2 | 4.4 | 1.1 | 0.5 | 0.5 |
| 17.5° | 10.9 | 2.7 | 0.0 | 0.0 | 0.0 |
| 20° | 8.7 | 1.1 | 0.0 | 0.0 | 0.0 |
| 22.5° | 6.6 | 0.5 | 0.0 | 0.0 | 0.0 |
| 25° | 4.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27.5° | 2.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 0.5 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 0.5 | 0.0 | 0.0 | 0.5 | 0.5 |
| 47.5° | 0.5 | 0.5 | 0.5 | 1.1 | 1.1 |
| 50° | 0.5 | 0.5 | 0.5 | 1.1 | 1.6 |
| 52.5° | 1.1 | 0.5 | 1.1 | 1.6 | 1.6 |
| 55° | 1.1 | 1.1 | 1.6 | 2.2 | 2.2 |
| 57.5° | 1.1 | 1.1 | 1.6 | 2.2 | 2.2 |
| 60° | 1.1 | 1.1 | 1.6 | 2.2 | 2.7 |
| 62.5° | 1.6 | 1.6 | 1.6 | 2.2 | 2.2 |
| 65° | 1.6 | 1.6 | 1.6 | 2.2 | 2.7 |
| 67.5° | 1.6 | 1.6 | 1.6 | 2.2 | 2.7 |
| 70° | 1.6 | 1.6 | 1.6 | 2.2 | 2.2 |
| 72.5° | 2.2 | 1.6 | 1.6 | 2.2 | 2.2 |
| 75° | 1.6 | 1.6 | 1.6 | 1.6 | 1.6 |
| 77.5° | 1.6 | 1.6 | 1.1 | 1.6 | 1.6 |
| 80° | 1.6 | 1.1 | 1.1 | 1.1 | 1.1 |
| 82.5° | 1.6 | 1.1 | 1.1 | 1.1 | 1.1 |
| 85° | 1.6 | 1.1 | 0.5 | 0.5 | 0.5 |
| 87.5° | 1.6 | 1.1 | 0.5 | 0.5 | 0.5 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)