

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: P1313061

Luminaire Tested: LDSQA3D24R559050D010 3LSQCA30R 1MB

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313061
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-54)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D24R559050D010 3LSQCA30R 1MB
Description: 3in Adjustable LED luminaire with, R55 optic, 5000K CCT AND, 90CRI , 3LSQCA30R 1MB TRIM
Light Source: -
Ballast/Driver: -

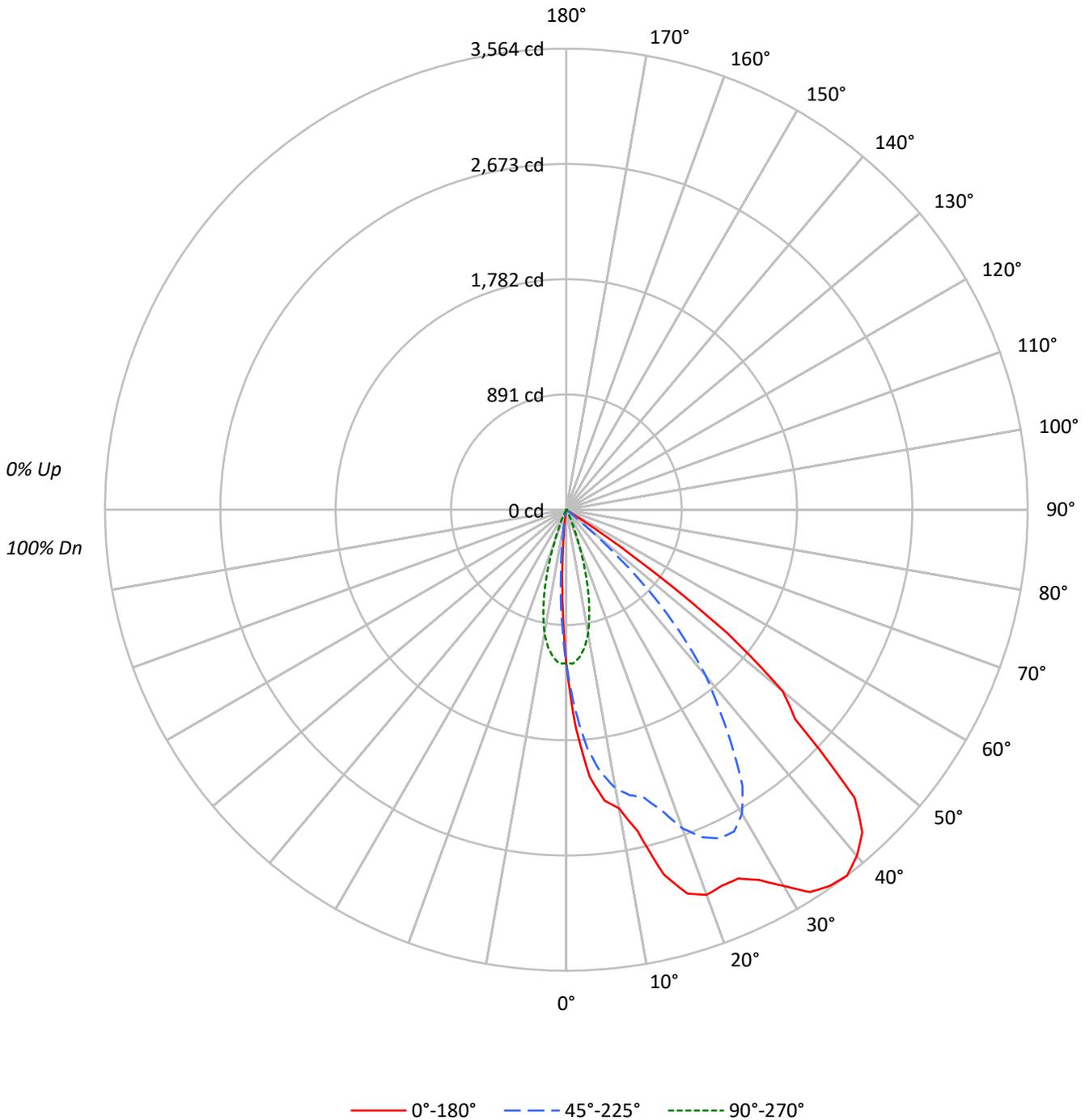
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2196.0 lumens
Efficiency: N/A
Efficacy: 76.3 lumens/watt
Spacing Criteria (0/90/45): 1.95 / 0.53 / 1.27
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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





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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 | 97 | 96 | 96 | 94 | 93 | 96 | 94 | 93 | 91 |
| 2 | 105 | 99 | 95 | 90 | 103 | 98 | 93 | 89 | 94 | 91 | 87 | 91 | 88 | 86 | 88 | 86 | 84 | 88 | 86 | 84 | 82 |
| 3 | 98 | 90 | 84 | 80 | 96 | 89 | 83 | 79 | 86 | 82 | 78 | 84 | 80 | 76 | 81 | 78 | 75 | 81 | 78 | 75 | 73 |
| 4 | 92 | 82 | 76 | 71 | 90 | 81 | 75 | 70 | 79 | 74 | 69 | 77 | 72 | 68 | 75 | 71 | 68 | 75 | 71 | 68 | 66 |
| 5 | 86 | 75 | 68 | 63 | 84 | 74 | 68 | 63 | 72 | 67 | 62 | 71 | 65 | 61 | 69 | 64 | 61 | 69 | 64 | 61 | 59 |
| 6 | 80 | 69 | 62 | 56 | 78 | 68 | 61 | 56 | 66 | 60 | 56 | 65 | 60 | 55 | 64 | 59 | 55 | 64 | 59 | 55 | 53 |
| 7 | 75 | 63 | 56 | 51 | 73 | 63 | 56 | 51 | 61 | 55 | 50 | 60 | 54 | 50 | 59 | 54 | 50 | 59 | 54 | 50 | 48 |
| 8 | 70 | 58 | 51 | 46 | 68 | 58 | 51 | 46 | 56 | 50 | 46 | 55 | 50 | 46 | 54 | 49 | 45 | 54 | 49 | 45 | 44 |
| 9 | 66 | 54 | 47 | 42 | 64 | 53 | 47 | 42 | 52 | 46 | 42 | 51 | 46 | 42 | 50 | 45 | 41 | 50 | 45 | 41 | 40 |
| 10 | 62 | 50 | 43 | 38 | 60 | 49 | 43 | 38 | 49 | 42 | 38 | 48 | 42 | 38 | 47 | 42 | 38 | 47 | 42 | 38 | 36 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|--------|--------|--------|--------|
| 0° | 204359 | 204359 | 204359 | 204359 | 204359 |
| 5° | 358191 | 319310 | 198363 | 82412 | 47456 |
| 10° | 409987 | 382182 | 169616 | 9024 | 3253 |
| 15° | 521022 | 410264 | 116268 | 1836 | 1105 |
| 20° | 580580 | 479962 | 51061 | 0 | 0 |
| 25° | 597653 | 532550 | 14518 | 0 | 0 |
| 30° | 667711 | 539681 | 2048 | 0 | 0 |
| 35° | 746265 | 468594 | 0 | 0 | 0 |
| 40° | 785029 | 377204 | 0 | 0 | 0 |
| 45° | 767529 | 238250 | 0 | 0 | 0 |
| 50° | 584438 | 48656 | 0 | 0 | 0 |
| 55° | 191476 | 0 | 0 | 0 | 0 |
| 60° | 0 | 0 | 0 | 0 | 0 |
| 65° | 0 | 856 | 856 | 0 | 0 |
| 70° | 0 | 1057 | 1057 | 0 | 0 |
| 75° | 0 | 1397 | 1397 | 0 | 0 |
| 80° | 0 | 2083 | 4066 | 2083 | 0 |
| 85° | 0 | 4150 | 4150 | 4150 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 767529 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 108.4 | 4.9 |
| 10°-20° | 317.8 | 14.5 |
| 20°-30° | 516.7 | 23.5 |
| 30°-40° | 614.1 | 28.0 |
| 40°-50° | 502.2 | 22.9 |
| 50°-60° | 133.1 | 6.1 |
| 60°-70° | 0.9 | 0.0 |
| 70°-80° | 1.4 | 0.1 |
| 80°-90° | 1.6 | 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° | 942.9 | 42.9 |
| 0°-40° | 1557.0 | 70.9 |
| 0°-60° | 2192.3 | 99.8 |
| 0°-90° | 2196.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 2196.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|------|------|------|------|------|------|
| 0° | 1187 | 1187 | 1187 | 1187 | 1187 | |
| 5° | 2072 | 1847 | 1147 | 477 | 274 | 203 |
| 15° | 2922 | 2301 | 652 | 10 | 6 | 817 |
| 25° | 3145 | 2802 | 76 | 0 | 0 | 1481 |
| 35° | 3550 | 2229 | 0 | 0 | 0 | 2207 |
| 45° | 3151 | 978 | 0 | 0 | 0 | 2262 |
| 55° | 638 | 0 | 0 | 0 | 0 | 717 |
| 65° | 0 | 2 | 2 | 0 | 0 | 0 |
| 75° | 0 | 2 | 2 | 0 | 0 | 0 |
| 85° | 0 | 2 | 2 | 2 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1313061
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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 67.5° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1186.6 | 1186.6 | 1186.6 | 1186.6 | 1186.6 | 1186.6 | 1186.6 | 1186.6 | 1186.6 | 1186.6 | 1186.6 |
| 2.5° | 1684.0 | 1671.6 | 1673.7 | 1667.5 | 1673.7 | 1646.8 | 1617.9 | 1591.1 | 1570.5 | 1541.6 | 1366.2 |
| 5° | 2071.9 | 2051.3 | 2045.1 | 2036.9 | 2028.6 | 1995.6 | 1968.8 | 1935.7 | 1896.5 | 1847.0 | 1525.1 |
| 7.5° | 2268.0 | 2251.5 | 2243.2 | 2247.4 | 2228.8 | 2216.4 | 2181.3 | 2144.2 | 2102.9 | 2049.2 | 1644.8 |
| 10° | 2344.4 | 2327.8 | 2325.8 | 2323.7 | 2321.7 | 2313.4 | 2296.9 | 2263.9 | 2226.7 | 2185.4 | 1712.9 |
| 12.5° | 2544.5 | 2507.4 | 2482.6 | 2453.7 | 2418.6 | 2373.2 | 2336.1 | 2307.2 | 2292.8 | 2259.7 | 1743.8 |
| 15° | 2922.2 | 2887.1 | 2860.3 | 2823.1 | 2757.1 | 2660.1 | 2571.4 | 2457.9 | 2358.8 | 2301.0 | 1731.4 |
| 17.5° | 3112.0 | 3095.5 | 3072.8 | 3048.1 | 3002.7 | 2932.5 | 2841.7 | 2722.0 | 2596.1 | 2433.1 | 1671.6 |
| 20° | 3167.8 | 3159.5 | 3143.0 | 3132.7 | 3101.7 | 3052.2 | 2990.3 | 2897.4 | 2779.8 | 2618.8 | 1578.7 |
| 22.5° | 3145.1 | 3151.3 | 3159.5 | 3186.3 | 3190.5 | 3155.4 | 3097.6 | 3008.9 | 2889.2 | 2740.6 | 1436.3 |
| 25° | 3145.1 | 3140.9 | 3140.9 | 3196.7 | 3231.7 | 3215.2 | 3174.0 | 3093.5 | 2971.7 | 2802.5 | 1260.9 |
| 27.5° | 3225.6 | 3200.8 | 3149.2 | 3207.0 | 3264.8 | 3258.6 | 3221.4 | 3126.5 | 2990.3 | 2804.6 | 1046.3 |
| 30° | 3357.6 | 3304.0 | 3219.4 | 3273.0 | 3326.7 | 3304.0 | 3244.1 | 3122.4 | 2949.0 | 2713.8 | 784.2 |
| 32.5° | 3504.1 | 3479.4 | 3436.0 | 3471.1 | 3462.9 | 3372.1 | 3264.8 | 3095.5 | 2864.4 | 2532.1 | 528.3 |
| 35° | 3549.5 | 3553.7 | 3524.8 | 3518.6 | 3471.1 | 3378.3 | 3264.8 | 3019.2 | 2686.9 | 2228.8 | 313.7 |
| 37.5° | 3564.0 | 3566.1 | 3520.7 | 3462.9 | 3392.7 | 3283.3 | 3147.1 | 2862.3 | 2358.8 | 1935.7 | 167.2 |
| 40° | 3491.8 | 3489.7 | 3415.4 | 3345.2 | 3266.8 | 3159.5 | 2961.4 | 2532.1 | 2047.2 | 1677.8 | 59.8 |
| 42.5° | 3384.5 | 3357.6 | 3287.5 | 3200.8 | 3105.9 | 2971.7 | 2662.2 | 2138.0 | 1778.9 | 1343.5 | 4.1 |
| 45° | 3151.3 | 3126.5 | 3070.8 | 2977.9 | 2872.7 | 2682.8 | 2193.7 | 1836.7 | 1446.6 | 978.2 | 0.0 |
| 47.5° | 2395.9 | 2383.6 | 2441.3 | 2453.7 | 2451.7 | 2235.0 | 1830.5 | 1498.2 | 1062.8 | 569.6 | 0.0 |
| 50° | 2181.3 | 2164.8 | 2107.0 | 2032.7 | 1900.7 | 1719.1 | 1467.3 | 1110.3 | 623.2 | 181.6 | 0.0 |
| 52.5° | 1566.3 | 1620.0 | 1632.4 | 1576.7 | 1452.8 | 1273.3 | 1011.2 | 639.7 | 216.7 | 0.0 | 0.0 |
| 55° | 637.7 | 604.7 | 629.4 | 660.4 | 685.1 | 629.4 | 466.4 | 227.0 | 2.1 | 0.0 | 0.0 |
| 57.5° | 0.0 | 2.1 | 12.4 | 28.9 | 47.5 | 59.8 | 64.0 | 4.1 | 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 | 2.1 |
| 62.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 |
| 65° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 0.0 | 2.1 | 2.1 | 2.1 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 | 2.1 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 | 4.1 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 | 4.1 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.1 | 2.1 | 2.1 | 2.1 |
| 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° | 1186.6 | 1186.6 | 1186.6 | 1186.6 | 1186.6 |
| 2.5° | 1190.8 | 1007.1 | 829.6 | 732.6 | 685.1 |
| 5° | 1147.4 | 769.8 | 476.7 | 330.2 | 274.5 |
| 7.5° | 1075.2 | 528.3 | 189.9 | 78.4 | 55.7 |
| 10° | 969.9 | 303.4 | 51.6 | 20.6 | 18.6 |
| 12.5° | 819.3 | 138.3 | 18.6 | 14.4 | 14.4 |
| 15° | 652.1 | 47.5 | 10.3 | 8.3 | 6.2 |
| 17.5° | 458.1 | 12.4 | 4.1 | 0.0 | 0.0 |
| 20° | 278.6 | 2.1 | 0.0 | 0.0 | 0.0 |
| 22.5° | 154.8 | 0.0 | 0.0 | 0.0 | 0.0 |
| 25° | 76.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 27.5° | 33.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 10.3 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 0.0 | 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° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 50° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 52.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 55° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 62.5° | 2.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 65° | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 |
| 67.5° | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 |
| 70° | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 |
| 72.5° | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 |
| 75° | 2.1 | 2.1 | 0.0 | 0.0 | 0.0 |
| 77.5° | 4.1 | 2.1 | 2.1 | 0.0 | 0.0 |
| 80° | 4.1 | 2.1 | 2.1 | 0.0 | 0.0 |
| 82.5° | 4.1 | 2.1 | 2.1 | 0.0 | 0.0 |
| 85° | 2.1 | 2.1 | 2.1 | 0.0 | 0.0 |
| 87.5° | 4.1 | 2.1 | 2.1 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)