

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: P1313260

Luminaire Tested: LDSQA3D02R709727DE010 3LSQCA30R 1MMS

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1313260
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-57)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D02R709727DE010 3LSQCA30R 1MMS
Description: 3in Adjustable LED luminaire with, R70 optic, 2700K CCT AND, 97CRI , 3LSQCA30R 1MMS TRII
Light Source: -
Ballast/Driver: -

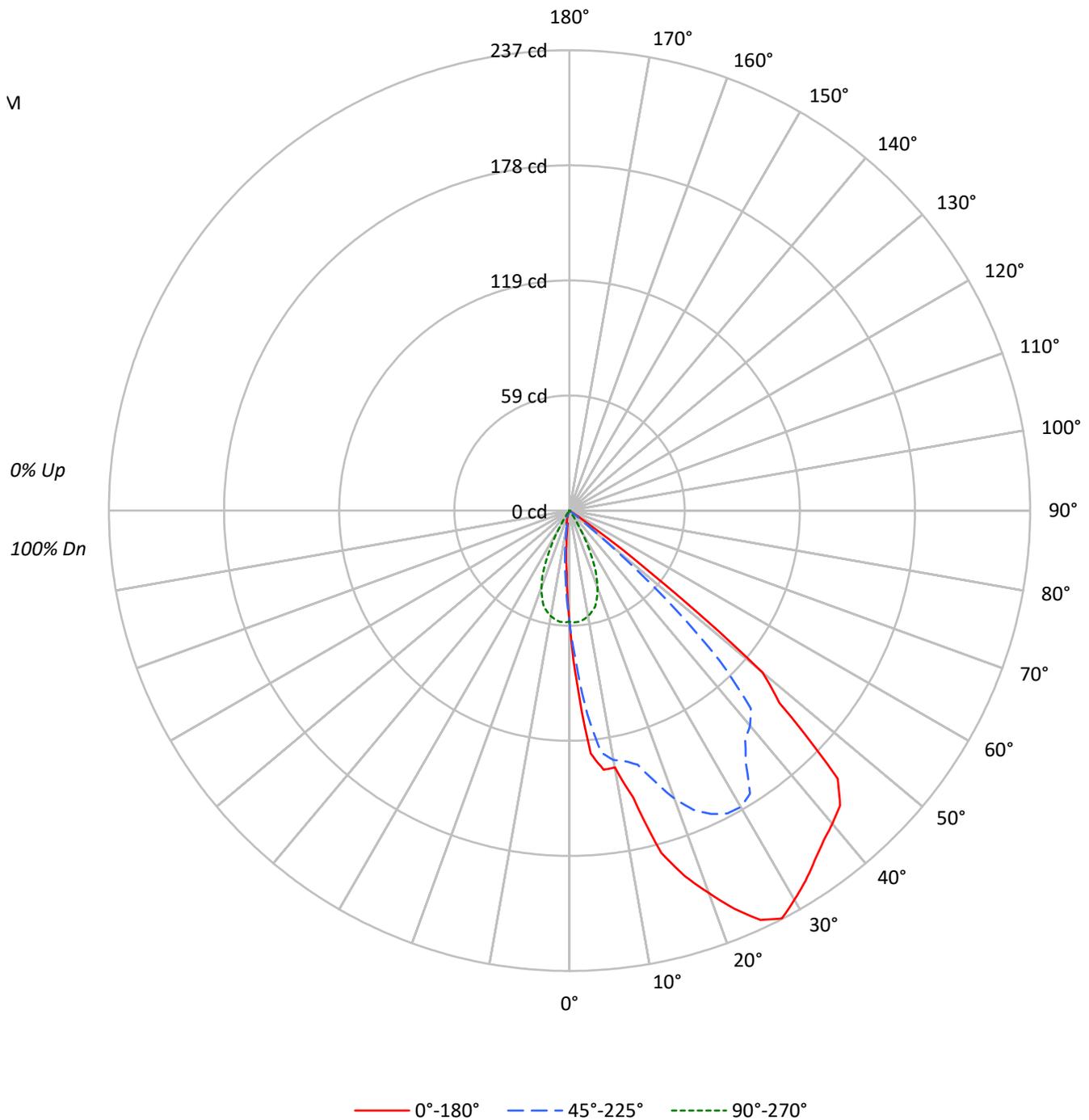
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 154.0 lumens
Efficiency: N/A
Efficacy: 42.8 lumens/watt
Spacing Criteria (0/90/45): 2.08 / 0.83 / 1.48
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 3.6
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





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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 |
| RCR | | | | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 | | |
| 1 | 112 | 109 | 106 | 103 | 110 | 107 | 104 | 102 | 103 | 101 | 99 | 99 | 97 | 96 | 96 | 94 | 93 | 91 | | |
| 2 | 105 | 99 | 94 | 90 | 103 | 98 | 93 | 89 | 94 | 91 | 87 | 91 | 88 | 85 | 88 | 86 | 84 | 82 | | |
| 3 | 98 | 90 | 84 | 79 | 96 | 89 | 83 | 79 | 86 | 81 | 77 | 84 | 80 | 76 | 81 | 78 | 75 | 73 | | |
| 4 | 92 | 82 | 76 | 70 | 90 | 81 | 75 | 70 | 79 | 73 | 69 | 77 | 72 | 68 | 75 | 71 | 67 | 66 | | |
| 5 | 85 | 75 | 68 | 63 | 84 | 74 | 67 | 62 | 72 | 66 | 62 | 70 | 65 | 61 | 69 | 64 | 61 | 59 | | |
| 6 | 80 | 69 | 61 | 56 | 78 | 68 | 61 | 56 | 66 | 60 | 55 | 65 | 59 | 55 | 63 | 58 | 55 | 53 | | |
| 7 | 74 | 63 | 56 | 50 | 73 | 62 | 55 | 50 | 61 | 55 | 50 | 59 | 54 | 50 | 58 | 53 | 49 | 48 | | |
| 8 | 69 | 58 | 51 | 46 | 68 | 57 | 50 | 45 | 56 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 45 | 43 | | |
| 9 | 65 | 53 | 46 | 41 | 64 | 53 | 46 | 41 | 52 | 45 | 41 | 51 | 45 | 41 | 50 | 45 | 41 | 39 | | |
| 10 | 61 | 49 | 42 | 38 | 60 | 49 | 42 | 38 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 36 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|------|------|------|
| 0° | 9851 | 9851 | 9851 | 9851 | 9851 |
| 5° | 21714 | 18222 | 9923 | 4512 | 2974 |
| 10° | 23486 | 22804 | 9653 | 1259 | 1294 |
| 15° | 32504 | 24142 | 9111 | 1284 | 927 |
| 20° | 38396 | 28921 | 7734 | 751 | 275 |
| 25° | 44181 | 32742 | 5454 | 133 | 0 |
| 30° | 46017 | 35040 | 2506 | 0 | 0 |
| 35° | 46233 | 33219 | 147 | 0 | 0 |
| 40° | 47302 | 32487 | 0 | 0 | 0 |
| 45° | 47543 | 26621 | 0 | 0 | 0 |
| 50° | 34697 | 5519 | 0 | 0 | 0 |
| 55° | 1952 | 0 | 0 | 0 | 0 |
| 60° | 0 | 69 | 69 | 0 | 0 |
| 65° | 0 | 0 | 82 | 0 | 0 |
| 70° | 0 | 101 | 101 | 0 | 0 |
| 75° | 0 | 133 | 133 | 0 | 0 |
| 80° | 0 | 198 | 198 | 198 | 0 |
| 85° | 0 | 395 | 395 | 395 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 5°
 Vertical Angle: 45°
 Luminance: 48420 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 6.3 | 4.1 |
| 10°-20° | 20.9 | 13.6 |
| 20°-30° | 37.5 | 24.4 |
| 30°-40° | 45.6 | 29.6 |
| 40°-50° | 35.2 | 22.9 |
| 50°-60° | 8.2 | 5.3 |
| 60°-70° | 0.0 | 0.0 |
| 70°-80° | 0.1 | 0.1 |
| 80°-90° | 0.1 | 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° | 64.7 | 42.0 |
| 0°-40° | 110.3 | 71.6 |
| 0°-60° | 153.7 | 99.8 |
| 0°-90° | 154.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 154.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 57 | 57 | 57 | 57 | 57 | |
| 5° | 126 | 105 | 57 | 26 | 17 | 12 |
| 15° | 182 | 135 | 51 | 7 | 5 | 51 |
| 25° | 232 | 172 | 29 | 1 | 0 | 106 |
| 35° | 220 | 158 | 1 | 0 | 0 | 138 |
| 45° | 195 | 109 | 0 | 0 | 0 | 138 |
| 55° | 6 | 0 | 0 | 0 | 0 | 27 |
| 65° | 0 | 0 | 0 | 0 | 0 | 0 |
| 75° | 0 | 0 | 0 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



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 CATALOG NUMBER: LDSQA3D02R709727DE010 3LSQCA30R 1MMS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| 2.5° | 89.1 | 89.1 | 89.5 | 89.3 | 87.4 | 86.5 | 83.7 | 82.1 | 81.7 | 78.2 | 76.9 |
| 5° | 125.6 | 125.8 | 124.7 | 124.5 | 122.4 | 120.8 | 118.4 | 114.7 | 111.0 | 105.4 | 100.4 |
| 7.5° | 134.5 | 134.3 | 134.1 | 134.1 | 133.7 | 132.8 | 131.7 | 130.6 | 129.1 | 125.6 | 121.7 |
| 10° | 134.3 | 134.3 | 134.1 | 134.1 | 133.9 | 134.1 | 133.9 | 133.2 | 132.6 | 130.4 | 128.2 |
| 12.5° | 151.3 | 149.9 | 148.2 | 145.6 | 141.3 | 138.0 | 134.3 | 133.2 | 132.8 | 132.1 | 130.8 |
| 15° | 182.3 | 181.2 | 177.5 | 173.0 | 168.6 | 161.3 | 155.4 | 147.3 | 141.0 | 135.4 | 132.6 |
| 17.5° | 197.3 | 198.0 | 193.8 | 191.0 | 186.9 | 181.0 | 174.1 | 165.8 | 156.9 | 146.3 | 137.8 |
| 20° | 209.5 | 210.1 | 206.7 | 203.8 | 199.1 | 193.0 | 186.9 | 178.0 | 169.5 | 157.8 | 146.7 |
| 22.5° | 221.9 | 222.3 | 219.1 | 214.9 | 209.5 | 203.2 | 195.4 | 186.2 | 177.1 | 166.7 | 154.9 |
| 25° | 232.5 | 232.1 | 226.7 | 220.8 | 215.6 | 208.8 | 201.2 | 192.3 | 183.6 | 172.3 | 161.3 |
| 27.5° | 236.7 | 236.4 | 230.4 | 224.7 | 218.6 | 209.5 | 202.8 | 194.9 | 185.8 | 175.8 | 164.5 |
| 30° | 231.4 | 234.9 | 231.0 | 226.9 | 219.5 | 210.4 | 203.8 | 194.5 | 186.0 | 176.2 | 163.4 |
| 32.5° | 226.0 | 230.4 | 229.1 | 227.1 | 218.4 | 211.2 | 202.8 | 194.1 | 184.1 | 172.8 | 153.2 |
| 35° | 219.9 | 224.5 | 224.7 | 222.5 | 214.7 | 207.5 | 199.7 | 190.6 | 179.3 | 158.0 | 143.6 |
| 37.5° | 214.5 | 218.8 | 220.1 | 215.6 | 209.5 | 199.9 | 192.8 | 183.2 | 162.8 | 148.4 | 141.0 |
| 40° | 210.4 | 213.6 | 215.6 | 208.4 | 202.3 | 193.0 | 184.7 | 168.0 | 149.5 | 144.5 | 134.1 |
| 42.5° | 206.0 | 209.1 | 209.9 | 202.1 | 192.8 | 183.9 | 171.9 | 150.8 | 145.4 | 138.0 | 110.0 |
| 45° | 195.2 | 198.8 | 196.7 | 189.1 | 182.1 | 172.8 | 154.9 | 145.8 | 140.0 | 109.3 | 67.6 |
| 47.5° | 146.5 | 150.6 | 156.5 | 158.6 | 161.0 | 154.3 | 144.5 | 141.3 | 115.0 | 66.3 | 21.1 |
| 50° | 129.5 | 128.9 | 128.9 | 130.0 | 131.9 | 134.1 | 136.9 | 119.1 | 69.1 | 20.6 | 0.0 |
| 52.5° | 52.8 | 55.4 | 68.2 | 79.8 | 93.0 | 106.3 | 110.4 | 73.0 | 26.9 | 0.4 | 0.0 |
| 55° | 6.5 | 6.5 | 9.1 | 15.6 | 25.9 | 41.7 | 46.9 | 23.5 | 2.0 | 0.0 | 0.0 |
| 57.5° | 0.0 | 0.0 | 0.0 | 0.2 | 1.7 | 4.8 | 3.3 | 0.9 | 0.2 | 0.2 | 0.0 |
| 60° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 |
| 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 | 0.0 | 0.0 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 | 0.2 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.2 | 0.2 |
| 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° | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 | 57.2 |
| 2.5° | 74.8 | 72.1 | 68.5 | 57.6 | 48.2 | 40.0 | 35.2 | 32.8 |
| 5° | 95.6 | 89.3 | 80.8 | 57.4 | 39.1 | 26.1 | 19.6 | 17.2 |
| 7.5° | 115.6 | 108.4 | 94.1 | 56.5 | 30.0 | 15.2 | 8.5 | 6.7 |
| 10° | 124.3 | 119.1 | 106.3 | 55.2 | 21.7 | 7.2 | 7.2 | 7.4 |
| 12.5° | 127.8 | 123.9 | 113.4 | 53.2 | 14.3 | 7.0 | 7.4 | 7.0 |
| 15° | 130.2 | 126.5 | 116.9 | 51.1 | 8.3 | 7.2 | 5.9 | 5.2 |
| 17.5° | 131.5 | 127.1 | 118.0 | 46.9 | 5.4 | 6.1 | 3.7 | 3.0 |
| 20° | 135.6 | 128.7 | 118.9 | 42.2 | 5.2 | 4.1 | 2.0 | 1.5 |
| 22.5° | 142.6 | 131.7 | 119.1 | 36.3 | 4.1 | 2.4 | 0.7 | 0.0 |
| 25° | 148.9 | 135.8 | 119.7 | 28.7 | 1.3 | 0.7 | 0.0 | 0.0 |
| 27.5° | 151.9 | 137.1 | 119.5 | 20.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 30° | 148.2 | 133.9 | 117.6 | 12.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 32.5° | 139.5 | 131.5 | 111.5 | 5.4 | 0.0 | 0.0 | 0.0 | 0.0 |
| 35° | 136.7 | 126.3 | 97.6 | 0.7 | 0.0 | 0.0 | 0.0 | 0.0 |
| 37.5° | 130.4 | 111.3 | 71.7 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 40° | 112.1 | 80.4 | 34.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 42.5° | 74.1 | 34.3 | 2.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 45° | 26.1 | 2.2 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 47.5° | 0.4 | 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 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 60° | 0.2 | 0.2 | 0.2 | 0.2 | 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 |
| 65° | 0.0 | 0.0 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 67.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 70° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 |
| 72.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 |
| 75° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 |
| 77.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 |
| 80° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 |
| 82.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 |
| 85° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 |
| 87.5° | 0.2 | 0.2 | 0.2 | 0.2 | 0.2 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)