

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: IRiS

Report Number: P#

Luminaire Tested: P3ART05R70W2N902765DE010 E3LCWW1WH_6500K

Issue Date: 5/8/2026

Test Information

Test Method: LM-79-2019
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2509-551-14)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART05R70W2N902765DE010 E3LCWW1WH_6500K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 6500K CCT AND, 90CRI ,
E3LCWW1WH TRIM
Light Source: -
Ballast/Driver: -

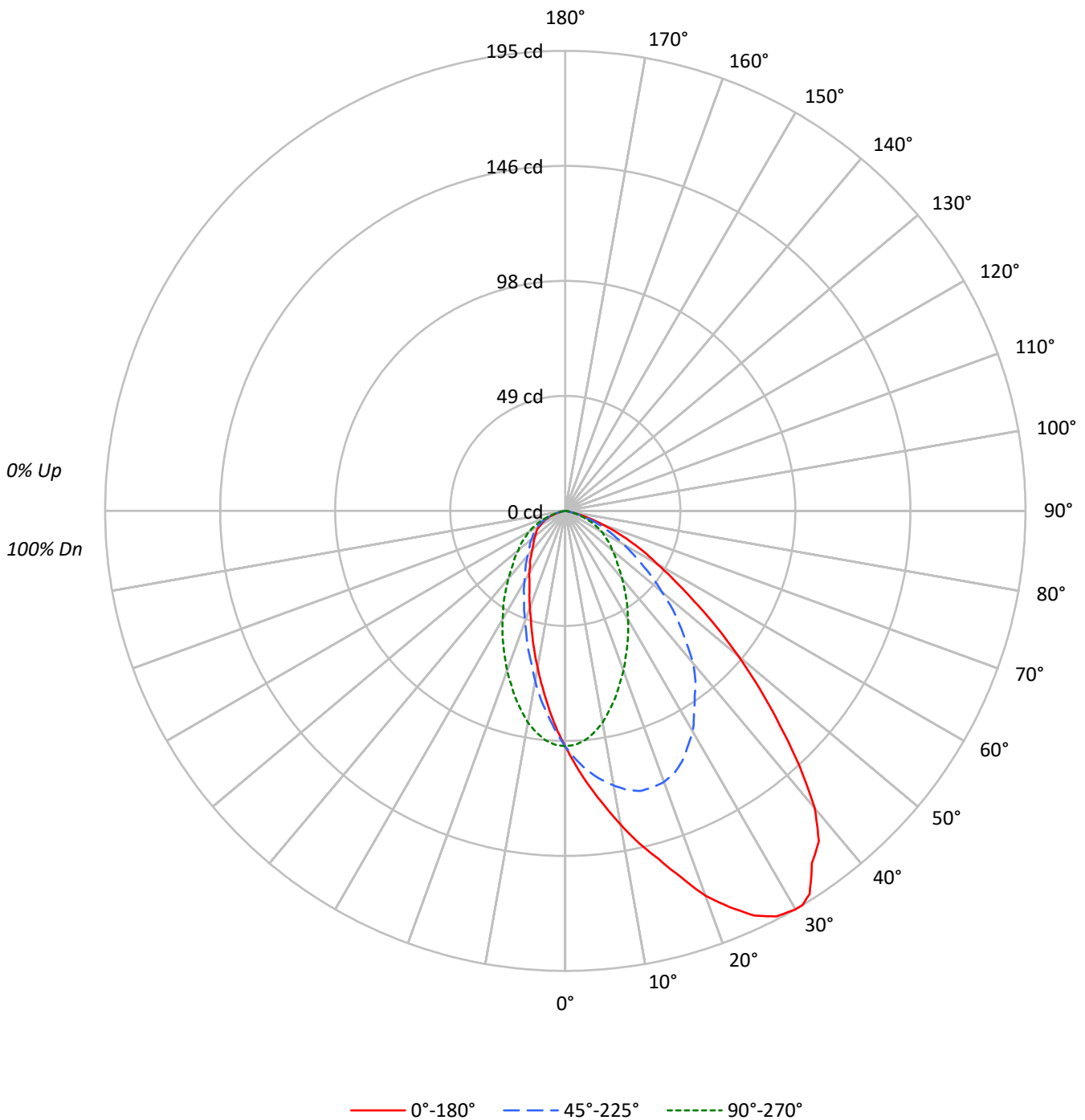
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 203.0 lumens
Efficiency: N/A
Efficacy: 34.4 lumens/watt
Spacing Criteria (0/90/45): 1.54 / 0.87 / 1.18
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 5.9
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: P#
CATALOG NUMBER: P3ART05R70W2N902765DE010 E3LCWW1WH_6500K

Luminous Intensity Polar Plot





TEST NUMBER: P#
 CATALOG NUMBER: P3ART05R70W2N902765DE010 E3LCWW1WH_6500K

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 | 111 | 107 | 103 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | | |
| 2 | 102 | 95 | 90 | 85 | 100 | 93 | 88 | 84 | 90 | 86 | 82 | 87 | 83 | 80 | 84 | 81 | 78 | 76 | | |
| 3 | 94 | 85 | 78 | 72 | 92 | 84 | 77 | 72 | 81 | 75 | 71 | 78 | 73 | 69 | 76 | 72 | 68 | 66 | | |
| 4 | 87 | 77 | 69 | 63 | 85 | 75 | 68 | 62 | 73 | 67 | 62 | 71 | 65 | 61 | 69 | 64 | 60 | 58 | | |
| 5 | 81 | 69 | 61 | 55 | 79 | 68 | 61 | 55 | 66 | 59 | 54 | 64 | 58 | 54 | 62 | 57 | 53 | 51 | | |
| 6 | 75 | 63 | 55 | 49 | 73 | 62 | 54 | 49 | 60 | 53 | 48 | 59 | 53 | 48 | 57 | 52 | 47 | 46 | | |
| 7 | 70 | 57 | 49 | 44 | 68 | 57 | 49 | 44 | 55 | 48 | 43 | 54 | 48 | 43 | 52 | 47 | 43 | 41 | | |
| 8 | 65 | 53 | 45 | 39 | 64 | 52 | 45 | 39 | 51 | 44 | 39 | 50 | 43 | 39 | 48 | 43 | 39 | 37 | | |
| 9 | 61 | 49 | 41 | 36 | 60 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 35 | 45 | 39 | 35 | 34 | | |
| 10 | 57 | 45 | 38 | 33 | 56 | 45 | 37 | 33 | 44 | 37 | 33 | 43 | 37 | 32 | 42 | 36 | 32 | 31 | | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 21884 | 21884 | 21884 | 21884 | 21884 |
| 5° | 25776 | 24367 | 21462 | 19040 | 18292 |
| 10° | 30060 | 26319 | 20285 | 16321 | 15030 |
| 15° | 34688 | 27900 | 18593 | 13757 | 12304 |
| 20° | 40510 | 28539 | 16825 | 11574 | 10221 |
| 25° | 45777 | 28332 | 15073 | 9920 | 8662 |
| 30° | 49375 | 27321 | 13445 | 8761 | 7748 |
| 35° | 48800 | 25618 | 12046 | 7870 | 6960 |
| 40° | 47060 | 24102 | 10734 | 7099 | 6269 |
| 45° | 39880 | 21274 | 9644 | 6605 | 5892 |
| 50° | 32647 | 18285 | 8870 | 6311 | 5697 |
| 55° | 25347 | 15216 | 8372 | 6155 | 5735 |
| 60° | 19735 | 12631 | 7850 | 6052 | 5307 |
| 65° | 15566 | 10481 | 6901 | 5707 | 5085 |
| 70° | 10707 | 7758 | 5578 | 4809 | 4424 |
| 75° | 5338 | 4406 | 3897 | 3389 | 2965 |
| 80° | 758 | 1515 | 2147 | 1515 | 758 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 39880 cd/sqm



TEST NUMBER: P#
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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 9.3 | 4.6 |
| 10°-20° | 26.0 | 12.8 |
| 20°-30° | 38.3 | 18.9 |
| 30°-40° | 42.9 | 21.2 |
| 40°-50° | 37.8 | 18.6 |
| 50°-60° | 27.0 | 13.3 |
| 60°-70° | 16.0 | 7.9 |
| 70°-80° | 5.4 | 2.6 |
| 80°-90° | 0.3 | 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° | 73.6 | 36.3 |
| 0°-40° | 116.6 | 57.4 |
| 0°-60° | 181.4 | 89.3 |
| 0°-90° | 203.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 203.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 100 | 100 | 100 | 100 | 100 | |
| 5° | 117 | 111 | 98 | 86 | 83 | 12 |
| 15° | 153 | 123 | 82 | 61 | 54 | 44 |
| 25° | 189 | 117 | 62 | 41 | 36 | 87 |
| 35° | 182 | 96 | 45 | 29 | 26 | 115 |
| 45° | 129 | 69 | 31 | 21 | 19 | 99 |
| 55° | 66 | 40 | 22 | 16 | 15 | 61 |
| 65° | 30 | 20 | 13 | 11 | 10 | 30 |
| 75° | 6 | 5 | 5 | 4 | 4 | 8 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 0° | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 2.5° | 108.4 | 108.4 | 108.4 | 107.3 | 107.3 | 105.6 | 104.4 | 102.7 | 101.5 | 99.8 | 99.2 |
| 5° | 117.1 | 117.1 | 115.9 | 114.8 | 113.0 | 110.7 | 107.9 | 105.0 | 101.5 | 98.6 | 97.5 |
| 7.5° | 125.7 | 126.3 | 124.6 | 122.3 | 118.8 | 114.8 | 110.7 | 106.1 | 100.9 | 96.9 | 94.6 |
| 10° | 135.0 | 135.0 | 132.7 | 129.2 | 124.0 | 118.2 | 111.9 | 105.6 | 99.2 | 93.4 | 91.1 |
| 12.5° | 144.2 | 143.6 | 140.7 | 135.5 | 129.2 | 121.1 | 112.5 | 104.4 | 96.9 | 90.0 | 86.5 |
| 15° | 152.8 | 152.8 | 148.8 | 142.5 | 133.2 | 122.9 | 112.5 | 102.1 | 93.4 | 85.4 | 81.9 |
| 17.5° | 162.7 | 162.7 | 157.5 | 147.7 | 136.1 | 122.9 | 110.7 | 99.2 | 89.4 | 80.7 | 76.7 |
| 20° | 173.6 | 173.0 | 165.5 | 152.3 | 137.3 | 122.3 | 108.4 | 95.7 | 84.8 | 75.6 | 72.1 |
| 22.5° | 181.7 | 181.1 | 172.5 | 156.3 | 137.9 | 120.5 | 104.4 | 91.1 | 80.2 | 70.9 | 66.9 |
| 25° | 189.2 | 188.0 | 178.2 | 158.0 | 136.7 | 117.1 | 100.4 | 85.9 | 75.6 | 66.3 | 62.3 |
| 27.5° | 193.8 | 193.2 | 182.3 | 157.5 | 133.8 | 112.5 | 95.2 | 81.3 | 70.4 | 61.1 | 57.7 |
| 30° | 195.0 | 195.5 | 182.3 | 154.6 | 129.2 | 107.9 | 90.0 | 76.1 | 65.2 | 57.1 | 53.1 |
| 31° | 195.0 | 195.5 | 181.1 | 152.8 | 127.5 | 105.6 | 87.7 | 74.4 | 62.9 | 54.8 | 51.3 |
| 32.5° | 192.6 | 191.5 | 179.4 | 150.0 | 123.4 | 101.5 | 84.8 | 71.5 | 60.0 | 51.9 | 49.0 |
| 35° | 182.3 | 182.8 | 173.6 | 143.6 | 117.7 | 95.7 | 79.0 | 65.8 | 54.8 | 47.9 | 45.0 |
| 37.5° | 176.5 | 176.5 | 159.8 | 135.0 | 111.3 | 90.6 | 72.1 | 59.4 | 50.2 | 43.8 | 41.0 |
| 40° | 164.4 | 162.7 | 147.1 | 125.7 | 103.8 | 84.2 | 68.1 | 55.4 | 46.1 | 39.8 | 37.5 |
| 42.5° | 147.1 | 145.3 | 133.2 | 117.7 | 94.0 | 76.1 | 64.6 | 49.0 | 41.5 | 36.3 | 34.0 |
| 45° | 128.6 | 127.5 | 118.2 | 103.8 | 84.8 | 68.6 | 55.9 | 45.0 | 38.1 | 32.9 | 31.1 |
| 47.5° | 111.9 | 110.2 | 103.2 | 92.3 | 76.7 | 61.7 | 48.4 | 40.4 | 34.0 | 30.0 | 28.8 |
| 50° | 95.7 | 95.2 | 89.4 | 80.7 | 68.1 | 53.6 | 42.7 | 35.8 | 31.1 | 27.7 | 26.0 |
| 52.5° | 80.7 | 79.6 | 76.7 | 69.8 | 59.4 | 46.7 | 37.5 | 31.7 | 27.7 | 25.4 | 24.2 |
| 55° | 66.3 | 66.3 | 63.4 | 58.8 | 50.8 | 39.8 | 32.9 | 28.3 | 24.8 | 23.1 | 21.9 |
| 57.5° | 54.8 | 54.8 | 52.5 | 49.6 | 42.1 | 34.0 | 28.8 | 24.8 | 22.5 | 20.8 | 19.6 |
| 60° | 45.0 | 45.0 | 43.3 | 40.4 | 35.2 | 28.8 | 24.8 | 21.9 | 20.2 | 18.5 | 17.9 |
| 62.5° | 37.5 | 36.9 | 35.8 | 32.9 | 28.8 | 24.2 | 21.3 | 19.0 | 17.3 | 16.1 | 15.6 |
| 65° | 30.0 | 29.4 | 28.3 | 26.0 | 23.1 | 20.2 | 17.9 | 16.1 | 15.0 | 13.8 | 13.3 |
| 67.5° | 23.1 | 23.1 | 21.9 | 20.2 | 17.9 | 16.1 | 14.4 | 13.3 | 12.1 | 11.5 | 11.0 |
| 70° | 16.7 | 16.7 | 16.1 | 15.0 | 13.3 | 12.1 | 11.0 | 10.4 | 9.8 | 9.2 | 8.7 |
| 72.5° | 11.5 | 11.5 | 11.0 | 10.4 | 9.2 | 8.7 | 7.5 | 7.5 | 6.9 | 6.9 | 6.3 |
| 75° | 6.3 | 6.3 | 6.3 | 5.8 | 5.8 | 5.2 | 5.2 | 5.2 | 4.6 | 4.6 | 4.6 |
| 77.5° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 |
| 80° | 0.6 | 0.6 | 0.6 | 0.6 | 1.2 | 1.2 | 1.2 | 1.2 | 1.7 | 1.7 | 1.7 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 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):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 0° | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 | 99.8 |
| 2.5° | 98.6 | 96.9 | 95.7 | 95.2 | 93.4 | 92.9 | 92.3 | 91.7 | 91.7 | 91.7 |
| 5° | 96.3 | 93.4 | 90.6 | 88.8 | 86.5 | 85.4 | 84.2 | 83.6 | 83.1 | 83.1 |
| 7.5° | 92.3 | 88.8 | 85.4 | 82.5 | 80.2 | 77.9 | 76.7 | 75.6 | 75.6 | 75.0 |
| 10° | 88.2 | 83.6 | 79.6 | 75.6 | 73.3 | 70.4 | 69.2 | 68.1 | 67.5 | 67.5 |
| 12.5° | 83.6 | 77.9 | 73.3 | 69.8 | 66.3 | 64.0 | 62.3 | 61.1 | 60.6 | 60.6 |
| 15° | 78.4 | 72.7 | 67.5 | 64.0 | 60.6 | 57.7 | 55.9 | 54.8 | 54.2 | 54.2 |
| 17.5° | 73.3 | 67.5 | 61.7 | 58.3 | 54.8 | 51.9 | 50.8 | 49.6 | 49.0 | 48.4 |
| 20° | 68.6 | 61.7 | 57.1 | 52.5 | 49.6 | 47.3 | 45.6 | 44.4 | 43.8 | 43.8 |
| 22.5° | 63.4 | 57.1 | 51.9 | 48.4 | 45.6 | 43.3 | 41.0 | 40.4 | 39.8 | 39.8 |
| 25° | 58.3 | 52.5 | 47.9 | 44.4 | 41.0 | 39.2 | 37.5 | 36.3 | 36.3 | 35.8 |
| 27.5° | 54.2 | 48.4 | 43.8 | 40.4 | 38.1 | 35.8 | 34.6 | 33.5 | 32.9 | 32.9 |
| 30° | 49.6 | 44.4 | 40.4 | 37.5 | 34.6 | 32.9 | 31.7 | 30.6 | 30.6 | 30.6 |
| 31° | 48.4 | 43.3 | 39.2 | 35.8 | 33.5 | 31.7 | 30.6 | 30.0 | 29.4 | 29.4 |
| 32.5° | 45.6 | 41.0 | 36.9 | 34.0 | 31.7 | 30.0 | 28.8 | 28.3 | 28.3 | 27.7 |
| 35° | 42.1 | 37.5 | 34.0 | 31.1 | 29.4 | 27.7 | 26.5 | 26.0 | 26.0 | 26.0 |
| 37.5° | 38.6 | 34.6 | 31.1 | 28.8 | 27.1 | 25.4 | 24.8 | 23.6 | 23.6 | 23.6 |
| 40° | 35.2 | 31.7 | 28.8 | 26.5 | 24.8 | 23.6 | 23.1 | 22.5 | 21.9 | 21.9 |
| 42.5° | 32.3 | 28.8 | 26.5 | 24.8 | 23.1 | 21.9 | 21.3 | 20.8 | 20.8 | 20.2 |
| 45° | 29.4 | 26.5 | 24.8 | 23.1 | 21.3 | 20.8 | 20.2 | 19.6 | 19.0 | 19.0 |
| 47.5° | 27.1 | 24.8 | 22.5 | 21.3 | 20.2 | 19.0 | 18.5 | 18.5 | 17.9 | 17.9 |
| 50° | 24.8 | 22.5 | 20.8 | 19.6 | 18.5 | 17.9 | 17.3 | 17.3 | 16.7 | 16.7 |
| 52.5° | 23.1 | 20.8 | 19.6 | 18.5 | 17.3 | 16.7 | 16.1 | 16.1 | 15.6 | 15.6 |
| 55° | 20.8 | 19.0 | 17.9 | 17.3 | 16.1 | 15.6 | 15.0 | 14.4 | 14.4 | 15.0 |
| 57.5° | 19.0 | 17.9 | 16.7 | 16.1 | 15.0 | 14.4 | 13.8 | 13.8 | 13.3 | 13.8 |
| 60° | 17.3 | 16.1 | 15.0 | 14.4 | 13.8 | 13.3 | 12.7 | 12.1 | 12.1 | 12.1 |
| 62.5° | 15.6 | 14.4 | 13.8 | 12.7 | 12.1 | 12.1 | 11.5 | 11.5 | 11.5 | 11.0 |
| 65° | 13.3 | 12.7 | 12.1 | 11.5 | 11.0 | 10.4 | 10.4 | 9.8 | 9.8 | 9.8 |
| 67.5° | 11.0 | 10.4 | 9.8 | 9.8 | 9.2 | 8.7 | 8.7 | 8.7 | 8.7 | 8.1 |
| 70° | 8.7 | 8.1 | 8.1 | 7.5 | 7.5 | 7.5 | 6.9 | 6.9 | 6.9 | 6.9 |
| 72.5° | 6.3 | 6.3 | 5.8 | 5.8 | 5.8 | 5.8 | 5.2 | 5.2 | 5.2 | 5.2 |
| 75° | 4.6 | 4.6 | 4.6 | 4.0 | 4.0 | 4.0 | 3.5 | 3.5 | 3.5 | 3.5 |
| 77.5° | 2.9 | 2.9 | 2.9 | 2.9 | 2.9 | 2.3 | 2.3 | 2.3 | 2.3 | 2.3 |
| 80° | 1.7 | 1.7 | 1.7 | 1.7 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 0.6 |
| 82.5° | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)