

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: P3ART05R70W2N902750DE010 E3LCWW1LI_4000K

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: P3ART05R70W2N902750DE010 E3LCWW1LI_4000K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 90CRI ,
E3LCWW1LI TRIM
Light Source: -
Ballast/Driver: -

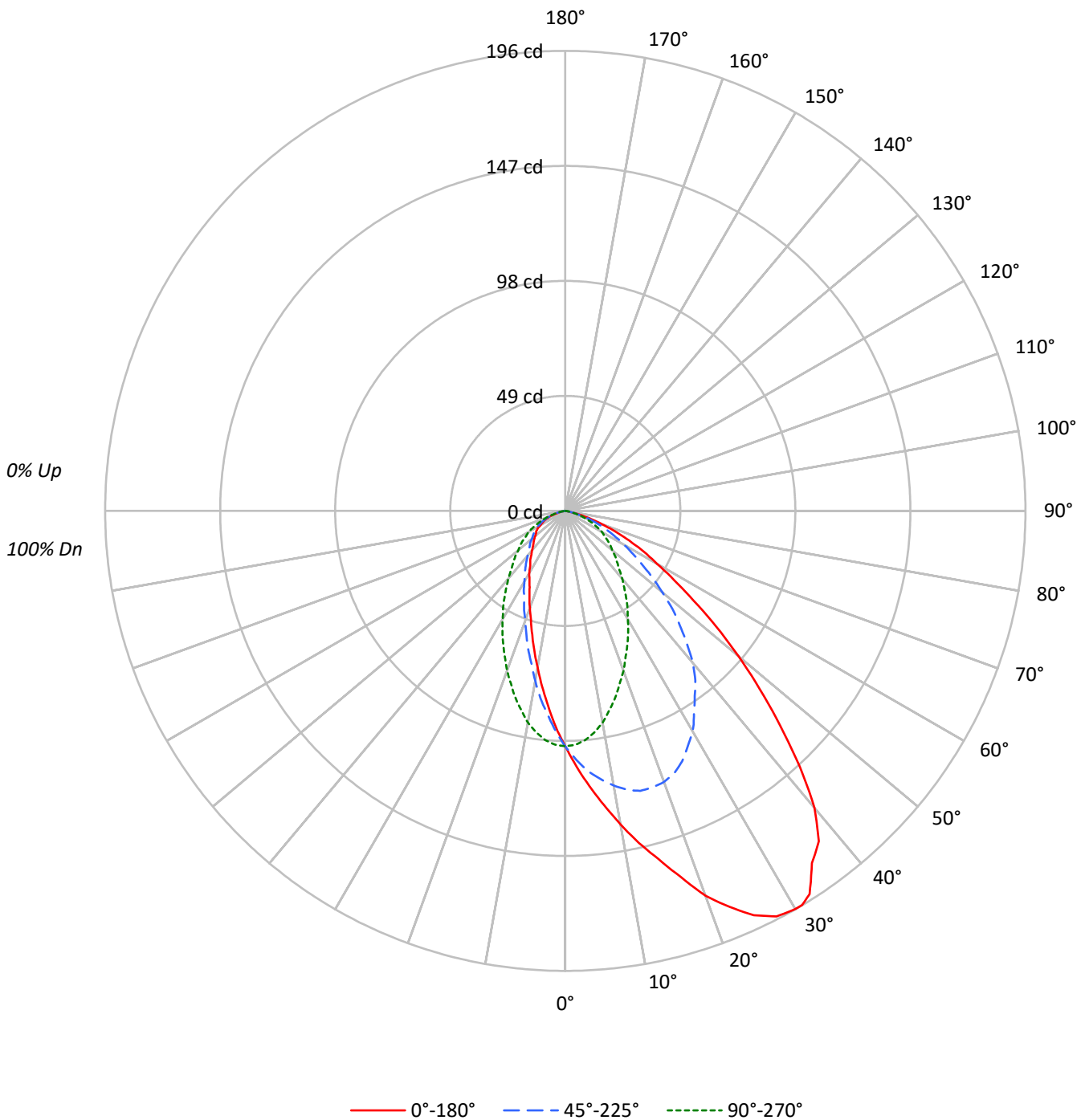
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 204.0 lumens
Efficiency: N/A
Efficacy: 34.6 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: P3ART05R70W2N902750DE010 E3LCWW1LI_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART05R70W2N902750DE010 E3LCWW1LI_4000K

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 | 100 | 100 | 100 | 100 | |
| 1 | 111 | 107 | 103 | 100 | 108 | 105 | 102 | 99 | 101 | 98 | 96 | 97 | 95 | 93 | 93 | 92 | 90 | 88 | 88 | 88 | 88 | |
| 2 | 102 | 95 | 90 | 85 | 100 | 93 | 88 | 84 | 90 | 86 | 82 | 87 | 83 | 80 | 84 | 81 | 78 | 76 | 76 | 76 | 76 | |
| 3 | 94 | 85 | 78 | 72 | 92 | 84 | 77 | 72 | 81 | 75 | 71 | 78 | 73 | 69 | 76 | 72 | 68 | 66 | 66 | 66 | 66 | |
| 4 | 87 | 77 | 69 | 63 | 85 | 75 | 68 | 62 | 73 | 67 | 62 | 71 | 65 | 61 | 69 | 64 | 60 | 58 | 58 | 58 | 58 | |
| 5 | 81 | 69 | 61 | 55 | 79 | 68 | 61 | 55 | 66 | 59 | 54 | 64 | 58 | 54 | 62 | 57 | 53 | 51 | 51 | 51 | 51 | |
| 6 | 75 | 63 | 55 | 49 | 73 | 62 | 54 | 49 | 60 | 53 | 48 | 59 | 53 | 48 | 57 | 52 | 47 | 46 | 46 | 46 | 46 | |
| 7 | 70 | 57 | 49 | 44 | 68 | 57 | 49 | 44 | 55 | 48 | 43 | 54 | 48 | 43 | 52 | 47 | 43 | 41 | 41 | 41 | 41 | |
| 8 | 65 | 53 | 45 | 39 | 64 | 52 | 45 | 39 | 51 | 44 | 39 | 50 | 43 | 39 | 48 | 43 | 39 | 37 | 37 | 37 | 37 | |
| 9 | 61 | 49 | 41 | 36 | 60 | 48 | 41 | 36 | 47 | 40 | 36 | 46 | 40 | 35 | 45 | 39 | 35 | 34 | 34 | 34 | 34 | |
| 10 | 57 | 45 | 38 | 33 | 56 | 45 | 37 | 33 | 44 | 37 | 33 | 43 | 37 | 32 | 42 | 36 | 32 | 31 | 31 | 31 | 31 | |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 21994 | 21994 | 21994 | 21994 | 21994 |
| 5° | 25908 | 24499 | 21572 | 19128 | 18380 |
| 10° | 30193 | 26452 | 20396 | 16388 | 15097 |
| 15° | 34870 | 28036 | 18683 | 13825 | 12372 |
| 20° | 40720 | 28679 | 16918 | 11621 | 10291 |
| 25° | 45995 | 28477 | 15146 | 9968 | 8686 |
| 30° | 49603 | 27447 | 13496 | 8811 | 7773 |
| 35° | 49041 | 25752 | 12100 | 7924 | 6987 |
| 40° | 47289 | 24217 | 10792 | 7128 | 6298 |
| 45° | 40097 | 21398 | 9706 | 6636 | 5923 |
| 50° | 32818 | 18387 | 8904 | 6311 | 5731 |
| 55° | 25500 | 15292 | 8411 | 6193 | 5773 |
| 60° | 19823 | 12718 | 7894 | 6096 | 5350 |
| 65° | 15618 | 10533 | 6901 | 5707 | 5137 |
| 70° | 10771 | 7822 | 5578 | 4809 | 4488 |
| 75° | 5422 | 4406 | 3897 | 3474 | 2965 |
| 80° | 758 | 1515 | 2147 | 1515 | 758 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 40097 cd/sqm



TEST NUMBER: P#

CATALOG NUMBER: P3ART05R70W2N902750DE010 E3LCWW1LI_4000K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 9.4 | 4.6 |
| 10°-20° | 26.1 | 12.8 |
| 20°-30° | 38.5 | 18.9 |
| 30°-40° | 43.2 | 21.2 |
| 40°-50° | 37.9 | 18.6 |
| 50°-60° | 27.2 | 13.3 |
| 60°-70° | 16.1 | 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° | 74.0 | 36.3 |
| 0°-40° | 117.2 | 57.4 |
| 0°-60° | 182.3 | 89.3 |
| 0°-90° | 204.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 204.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 100 | 100 | 100 | 100 | 100 | |
| 5° | 118 | 111 | 98 | 87 | 84 | 12 |
| 15° | 154 | 124 | 82 | 61 | 54 | 44 |
| 25° | 190 | 118 | 63 | 41 | 36 | 87 |
| 35° | 183 | 96 | 45 | 30 | 26 | 115 |
| 45° | 129 | 69 | 31 | 21 | 19 | 100 |
| 55° | 67 | 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#
 CATALOG NUMBER: P3ART05R70W2N902750DE010 E3LCWW1LI_4000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 100.3 | 100.3 | 100.3 | 100.3 | 100.3 | 100.3 | 100.3 | 100.3 | 100.3 | 100.3 | 100.3 |
| 2.5° | 109.0 | 109.0 | 109.0 | 107.8 | 107.8 | 106.1 | 104.9 | 103.2 | 102.0 | 100.3 | 99.7 |
| 5° | 117.7 | 117.7 | 116.5 | 115.3 | 113.6 | 111.3 | 108.4 | 105.5 | 102.0 | 99.1 | 98.0 |
| 7.5° | 126.4 | 126.9 | 125.2 | 122.9 | 119.4 | 115.3 | 111.3 | 106.7 | 101.4 | 97.4 | 95.1 |
| 10° | 135.6 | 135.6 | 133.3 | 129.8 | 124.6 | 118.8 | 112.4 | 106.1 | 99.7 | 93.9 | 91.6 |
| 12.5° | 144.9 | 144.3 | 141.4 | 136.2 | 129.8 | 121.7 | 113.0 | 104.9 | 97.4 | 90.4 | 86.9 |
| 15° | 153.6 | 153.6 | 149.5 | 143.2 | 133.9 | 123.5 | 113.0 | 102.6 | 93.9 | 85.8 | 82.3 |
| 17.5° | 163.5 | 163.5 | 158.2 | 148.4 | 136.8 | 123.5 | 111.3 | 99.7 | 89.8 | 81.1 | 77.1 |
| 20° | 174.5 | 173.9 | 166.4 | 153.0 | 137.9 | 122.9 | 109.0 | 96.2 | 85.2 | 75.9 | 72.5 |
| 22.5° | 182.6 | 182.0 | 173.3 | 157.1 | 138.5 | 121.1 | 104.9 | 91.6 | 80.6 | 71.3 | 67.2 |
| 25° | 190.1 | 189.0 | 179.1 | 158.8 | 137.4 | 117.7 | 100.9 | 86.4 | 75.9 | 66.7 | 62.6 |
| 27.5° | 194.8 | 194.2 | 183.2 | 158.2 | 134.5 | 113.0 | 95.6 | 81.7 | 70.7 | 61.4 | 58.0 |
| 30° | 195.9 | 196.5 | 183.2 | 155.3 | 129.8 | 108.4 | 90.4 | 76.5 | 65.5 | 57.4 | 53.3 |
| 31° | 195.9 | 196.5 | 182.0 | 153.6 | 128.1 | 106.1 | 88.1 | 74.8 | 63.2 | 55.1 | 51.6 |
| 32.5° | 193.6 | 192.4 | 180.3 | 150.7 | 124.0 | 102.0 | 85.2 | 71.9 | 60.3 | 52.2 | 49.3 |
| 35° | 183.2 | 183.7 | 174.5 | 144.3 | 118.2 | 96.2 | 79.4 | 66.1 | 55.1 | 48.1 | 45.2 |
| 37.5° | 177.4 | 177.4 | 160.6 | 135.6 | 111.9 | 91.0 | 72.5 | 59.7 | 50.4 | 44.1 | 41.2 |
| 40° | 165.2 | 163.5 | 147.8 | 126.4 | 104.3 | 84.6 | 68.4 | 55.6 | 46.4 | 40.0 | 37.7 |
| 42.5° | 147.8 | 146.1 | 133.9 | 118.2 | 94.5 | 76.5 | 64.9 | 49.3 | 41.7 | 36.5 | 34.2 |
| 45° | 129.3 | 128.1 | 118.8 | 104.3 | 85.2 | 69.0 | 56.2 | 45.2 | 38.3 | 33.0 | 31.3 |
| 47.5° | 112.4 | 110.7 | 103.8 | 92.7 | 77.1 | 62.0 | 48.7 | 40.6 | 34.2 | 30.1 | 29.0 |
| 50° | 96.2 | 95.6 | 89.8 | 81.1 | 68.4 | 53.9 | 42.9 | 35.9 | 31.3 | 27.8 | 26.1 |
| 52.5° | 81.1 | 80.0 | 77.1 | 70.1 | 59.7 | 46.9 | 37.7 | 31.9 | 27.8 | 25.5 | 24.3 |
| 55° | 66.7 | 66.7 | 63.8 | 59.1 | 51.0 | 40.0 | 33.0 | 28.4 | 24.9 | 23.2 | 22.0 |
| 57.5° | 55.1 | 55.1 | 52.7 | 49.8 | 42.3 | 34.2 | 29.0 | 24.9 | 22.6 | 20.9 | 19.7 |
| 60° | 45.2 | 45.2 | 43.5 | 40.6 | 35.4 | 29.0 | 24.9 | 22.0 | 20.3 | 18.5 | 18.0 |
| 62.5° | 37.7 | 37.1 | 35.9 | 33.0 | 29.0 | 24.3 | 21.4 | 19.1 | 17.4 | 16.2 | 15.6 |
| 65° | 30.1 | 29.6 | 28.4 | 26.1 | 23.2 | 20.3 | 18.0 | 16.2 | 15.1 | 13.9 | 13.3 |
| 67.5° | 23.2 | 23.2 | 22.0 | 20.3 | 18.0 | 16.2 | 14.5 | 13.3 | 12.2 | 11.6 | 11.0 |
| 70° | 16.8 | 16.8 | 16.2 | 15.1 | 13.3 | 12.2 | 11.0 | 10.4 | 9.9 | 9.3 | 8.7 |
| 72.5° | 11.6 | 11.6 | 11.0 | 10.4 | 9.3 | 8.7 | 7.5 | 7.5 | 7.0 | 7.0 | 6.4 |
| 75° | 6.4 | 6.4 | 6.4 | 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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 CATALOG NUMBER: P3ART05R70W2N902750DE010 E3LCWW1LI_4000K

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 100.3 | 100.3 | 100.3 | 100.3 | 100.3 | 100.3 | 100.3 | 100.3 | 100.3 | 100.3 |
| 2.5° | 99.1 | 97.4 | 96.2 | 95.6 | 93.9 | 93.3 | 92.7 | 92.2 | 92.2 | 92.2 |
| 5° | 96.8 | 93.9 | 91.0 | 89.3 | 86.9 | 85.8 | 84.6 | 84.0 | 83.5 | 83.5 |
| 7.5° | 92.7 | 89.3 | 85.8 | 82.9 | 80.6 | 78.2 | 77.1 | 75.9 | 75.9 | 75.4 |
| 10° | 88.7 | 84.0 | 80.0 | 75.9 | 73.6 | 70.7 | 69.6 | 68.4 | 67.8 | 67.8 |
| 12.5° | 84.0 | 78.2 | 73.6 | 70.1 | 66.7 | 64.3 | 62.6 | 61.4 | 60.9 | 60.9 |
| 15° | 78.8 | 73.0 | 67.8 | 64.3 | 60.9 | 58.0 | 56.2 | 55.1 | 54.5 | 54.5 |
| 17.5° | 73.6 | 67.8 | 62.0 | 58.5 | 55.1 | 52.2 | 51.0 | 49.8 | 49.3 | 48.7 |
| 20° | 69.0 | 62.0 | 57.4 | 52.7 | 49.8 | 47.5 | 45.8 | 44.6 | 44.1 | 44.1 |
| 22.5° | 63.8 | 57.4 | 52.2 | 48.7 | 45.8 | 43.5 | 41.2 | 40.6 | 40.0 | 40.0 |
| 25° | 58.5 | 52.7 | 48.1 | 44.6 | 41.2 | 39.4 | 37.7 | 36.5 | 36.5 | 35.9 |
| 27.5° | 54.5 | 48.7 | 44.1 | 40.6 | 38.3 | 35.9 | 34.8 | 33.6 | 33.0 | 33.0 |
| 30° | 49.8 | 44.6 | 40.6 | 37.7 | 34.8 | 33.0 | 31.9 | 30.7 | 30.7 | 30.7 |
| 31° | 48.7 | 43.5 | 39.4 | 35.9 | 33.6 | 31.9 | 30.7 | 30.1 | 29.6 | 29.6 |
| 32.5° | 45.8 | 41.2 | 37.1 | 34.2 | 31.9 | 30.1 | 29.0 | 28.4 | 28.4 | 27.8 |
| 35° | 42.3 | 37.7 | 34.2 | 31.3 | 29.6 | 27.8 | 26.7 | 26.1 | 26.1 | 26.1 |
| 37.5° | 38.8 | 34.8 | 31.3 | 29.0 | 27.2 | 25.5 | 24.9 | 23.8 | 23.8 | 23.8 |
| 40° | 35.4 | 31.9 | 29.0 | 26.7 | 24.9 | 23.8 | 23.2 | 22.6 | 22.0 | 22.0 |
| 42.5° | 32.5 | 29.0 | 26.7 | 24.9 | 23.2 | 22.0 | 21.4 | 20.9 | 20.9 | 20.3 |
| 45° | 29.6 | 26.7 | 24.9 | 23.2 | 21.4 | 20.9 | 20.3 | 19.7 | 19.1 | 19.1 |
| 47.5° | 27.2 | 24.9 | 22.6 | 21.4 | 20.3 | 19.1 | 18.5 | 18.5 | 18.0 | 18.0 |
| 50° | 24.9 | 22.6 | 20.9 | 19.7 | 18.5 | 18.0 | 17.4 | 17.4 | 16.8 | 16.8 |
| 52.5° | 23.2 | 20.9 | 19.7 | 18.5 | 17.4 | 16.8 | 16.2 | 16.2 | 15.6 | 15.6 |
| 55° | 20.9 | 19.1 | 18.0 | 17.4 | 16.2 | 15.6 | 15.1 | 14.5 | 14.5 | 15.1 |
| 57.5° | 19.1 | 18.0 | 16.8 | 16.2 | 15.1 | 14.5 | 13.9 | 13.9 | 13.3 | 13.9 |
| 60° | 17.4 | 16.2 | 15.1 | 14.5 | 13.9 | 13.3 | 12.8 | 12.2 | 12.2 | 12.2 |
| 62.5° | 15.6 | 14.5 | 13.9 | 12.8 | 12.2 | 12.2 | 11.6 | 11.6 | 11.6 | 11.0 |
| 65° | 13.3 | 12.8 | 12.2 | 11.6 | 11.0 | 10.4 | 10.4 | 9.9 | 9.9 | 9.9 |
| 67.5° | 11.0 | 10.4 | 9.9 | 9.9 | 9.3 | 8.7 | 8.7 | 8.7 | 8.7 | 8.1 |
| 70° | 8.7 | 8.1 | 8.1 | 7.5 | 7.5 | 7.5 | 7.0 | 7.0 | 7.0 | 7.0 |
| 72.5° | 6.4 | 6.4 | 5.8 | 5.8 | 5.8 | 5.8 | 5.2 | 5.2 | 5.2 | 5.2 |
| 75° | 4.6 | 4.6 | 4.6 | 4.1 | 4.1 | 4.1 | 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)