

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: P3ART09R70W2N902750DE010 E3LCWW1H_2700K

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: P3ART09R70W2N902750DE010 E3LCWW1H_2700K
Description: 3in Adjustable Tunable White LED luminaire with, R70 optic, 2700K CCT AND, 90CRI ,
E3LCWW1H TRIM
Light Source: -
Ballast/Driver: -

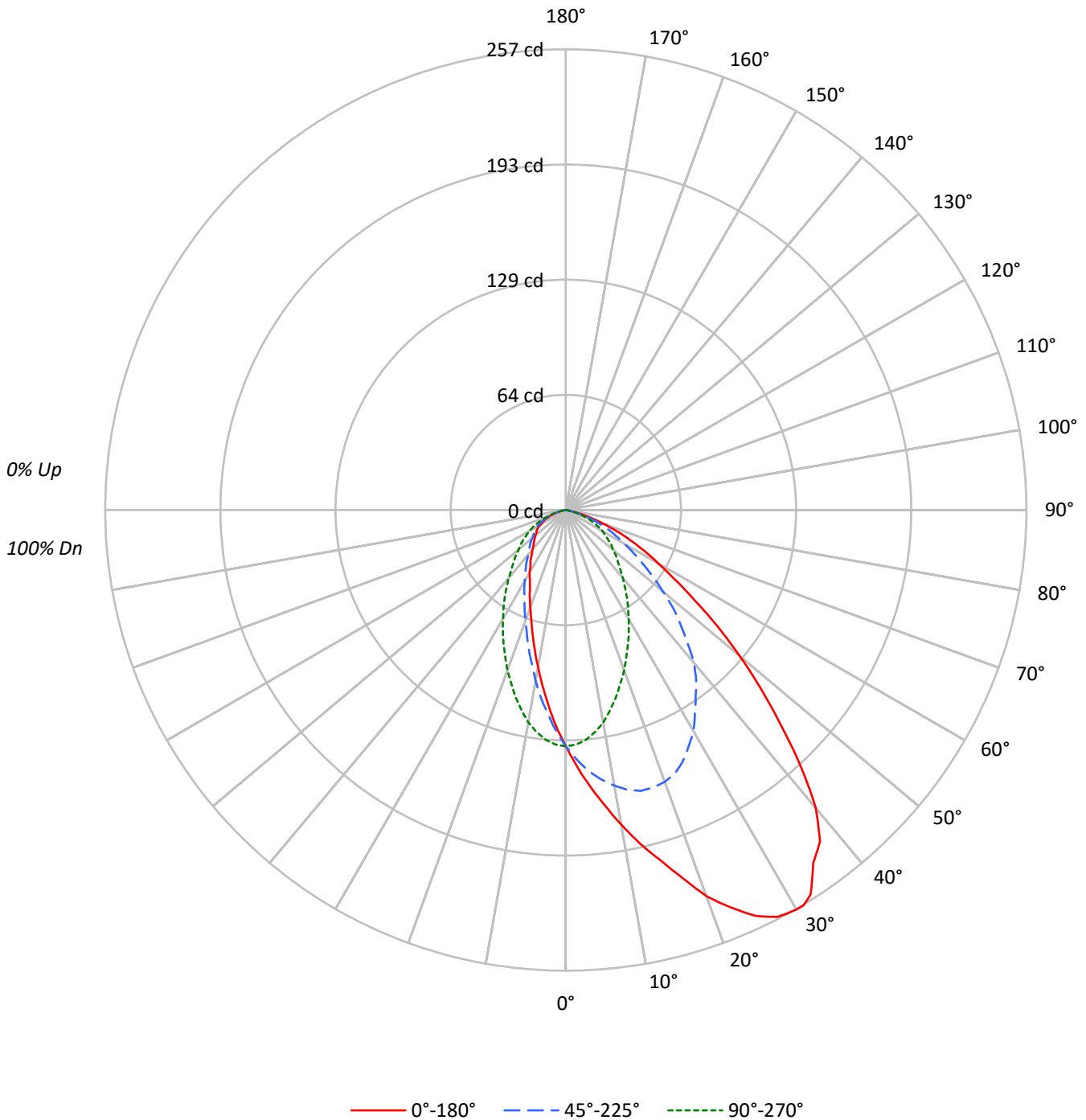
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 268.0 lumens
Efficiency: N/A
Efficacy: 29.8 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): 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: P3ART09R70W2N902750DE010 E3LCWW1H_2700K

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART09R70W2N902750DE010 E3LCWW1H_2700K

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° | 28879 | 28879 | 28879 | 28879 | 28879 |
| 5° | 34030 | 32181 | 28329 | 25138 | 24147 |
| 10° | 39679 | 34758 | 26786 | 21532 | 19839 |
| 15° | 45812 | 36822 | 24540 | 18161 | 16254 |
| 20° | 53485 | 37663 | 22215 | 15285 | 13511 |
| 25° | 60439 | 37405 | 19888 | 13089 | 11420 |
| 30° | 65175 | 36056 | 17750 | 11571 | 10229 |
| 35° | 64407 | 33836 | 15901 | 10386 | 9182 |
| 40° | 62116 | 31831 | 14169 | 9360 | 8273 |
| 45° | 52657 | 28096 | 12746 | 8745 | 7784 |
| 50° | 43120 | 24153 | 11701 | 8324 | 7539 |
| 55° | 33490 | 20071 | 11049 | 8143 | 7570 |
| 60° | 26051 | 16709 | 10350 | 8026 | 7017 |
| 65° | 20547 | 13854 | 9080 | 7524 | 6693 |
| 70° | 14169 | 10258 | 7309 | 6347 | 5834 |
| 75° | 7117 | 5846 | 5168 | 4490 | 3897 |
| 80° | 1010 | 1894 | 2904 | 1894 | 1010 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 52657 cd/sqm



TEST NUMBER: P#

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 12.3 | 4.6 |
| 10°-20° | 34.3 | 12.8 |
| 20°-30° | 50.6 | 18.9 |
| 30°-40° | 56.7 | 21.2 |
| 40°-50° | 49.9 | 18.6 |
| 50°-60° | 35.7 | 13.3 |
| 60°-70° | 21.1 | 7.9 |
| 70°-80° | 7.1 | 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° | 97.2 | 36.3 |
| 0°-40° | 153.9 | 57.4 |
| 0°-60° | 239.4 | 89.3 |
| 0°-90° | 268.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 268.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 132 | 132 | 132 | 132 | 132 | |
| 5° | 155 | 146 | 129 | 114 | 110 | 15 |
| 15° | 202 | 162 | 108 | 80 | 72 | 58 |
| 25° | 250 | 155 | 82 | 54 | 47 | 115 |
| 35° | 241 | 126 | 59 | 39 | 34 | 151 |
| 45° | 170 | 91 | 41 | 28 | 25 | 131 |
| 55° | 88 | 52 | 29 | 21 | 20 | 80 |
| 65° | 40 | 27 | 18 | 14 | 13 | 40 |
| 75° | 8 | 7 | 6 | 5 | 5 | 10 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART09R70W2N902750DE010 E3LCWW1H_2700K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 131.7 | 131.7 | 131.7 | 131.7 | 131.7 | 131.7 | 131.7 | 131.7 | 131.7 | 131.7 | 131.7 |
| 2.5° | 143.2 | 143.2 | 143.2 | 141.6 | 141.6 | 139.3 | 137.8 | 135.5 | 134.0 | 131.7 | 131.0 |
| 5° | 154.6 | 154.6 | 153.1 | 151.5 | 149.2 | 146.2 | 142.4 | 138.6 | 134.0 | 130.2 | 128.7 |
| 7.5° | 166.0 | 166.8 | 164.5 | 161.4 | 156.9 | 151.5 | 146.2 | 140.1 | 133.3 | 127.9 | 124.9 |
| 10° | 178.2 | 178.2 | 175.1 | 170.6 | 163.7 | 156.1 | 147.7 | 139.3 | 131.0 | 123.4 | 120.3 |
| 12.5° | 190.4 | 189.6 | 185.8 | 178.9 | 170.6 | 159.9 | 148.5 | 137.8 | 127.9 | 118.8 | 114.2 |
| 15° | 201.8 | 201.8 | 196.5 | 188.1 | 175.9 | 162.2 | 148.5 | 134.8 | 123.4 | 112.7 | 108.1 |
| 17.5° | 214.7 | 214.7 | 207.9 | 194.9 | 179.7 | 162.2 | 146.2 | 131.0 | 118.0 | 106.6 | 101.3 |
| 20° | 229.2 | 228.4 | 218.5 | 201.0 | 181.2 | 161.4 | 143.2 | 126.4 | 111.9 | 99.8 | 95.2 |
| 22.5° | 239.9 | 239.1 | 227.7 | 206.4 | 182.0 | 159.1 | 137.8 | 120.3 | 105.8 | 93.7 | 88.3 |
| 25° | 249.8 | 248.2 | 235.3 | 208.6 | 180.5 | 154.6 | 132.5 | 113.5 | 99.8 | 87.6 | 82.2 |
| 27.5° | 255.9 | 255.1 | 240.6 | 207.9 | 176.7 | 148.5 | 125.6 | 107.4 | 92.9 | 80.7 | 76.1 |
| 30° | 257.4 | 258.1 | 240.6 | 204.1 | 170.6 | 142.4 | 118.8 | 100.5 | 86.0 | 75.4 | 70.1 |
| 31° | 257.4 | 258.1 | 239.1 | 201.8 | 168.3 | 139.3 | 115.7 | 98.2 | 83.0 | 72.3 | 67.8 |
| 32.5° | 254.3 | 252.8 | 236.8 | 198.0 | 163.0 | 134.0 | 111.9 | 94.4 | 79.2 | 68.5 | 64.7 |
| 35° | 240.6 | 241.4 | 229.2 | 189.6 | 155.3 | 126.4 | 104.3 | 86.8 | 72.3 | 63.2 | 59.4 |
| 37.5° | 233.0 | 233.0 | 210.9 | 178.2 | 147.0 | 119.5 | 95.2 | 78.4 | 66.2 | 57.9 | 54.1 |
| 40° | 217.0 | 214.7 | 194.2 | 166.0 | 137.1 | 111.2 | 89.9 | 73.1 | 60.9 | 52.5 | 49.5 |
| 42.5° | 194.2 | 191.9 | 175.9 | 155.3 | 124.1 | 100.5 | 85.3 | 64.7 | 54.8 | 48.0 | 44.9 |
| 45° | 169.8 | 168.3 | 156.1 | 137.1 | 111.9 | 90.6 | 73.9 | 59.4 | 50.3 | 43.4 | 41.1 |
| 47.5° | 147.7 | 145.4 | 136.3 | 121.8 | 101.3 | 81.5 | 64.0 | 53.3 | 44.9 | 39.6 | 38.1 |
| 50° | 126.4 | 125.6 | 118.0 | 106.6 | 89.9 | 70.8 | 56.3 | 47.2 | 41.1 | 36.6 | 34.3 |
| 52.5° | 106.6 | 105.1 | 101.3 | 92.1 | 78.4 | 61.7 | 49.5 | 41.9 | 36.6 | 33.5 | 32.0 |
| 55° | 87.6 | 87.6 | 83.8 | 77.7 | 67.0 | 52.5 | 43.4 | 37.3 | 32.7 | 30.5 | 28.9 |
| 57.5° | 72.3 | 72.3 | 69.3 | 65.5 | 55.6 | 44.9 | 38.1 | 32.7 | 29.7 | 27.4 | 25.9 |
| 60° | 59.4 | 59.4 | 57.1 | 53.3 | 46.4 | 38.1 | 32.7 | 28.9 | 26.7 | 24.4 | 23.6 |
| 62.5° | 49.5 | 48.7 | 47.2 | 43.4 | 38.1 | 32.0 | 28.2 | 25.1 | 22.8 | 21.3 | 20.6 |
| 65° | 39.6 | 38.8 | 37.3 | 34.3 | 30.5 | 26.7 | 23.6 | 21.3 | 19.8 | 18.3 | 17.5 |
| 67.5° | 30.5 | 30.5 | 28.9 | 26.7 | 23.6 | 21.3 | 19.0 | 17.5 | 16.0 | 15.2 | 14.5 |
| 70° | 22.1 | 22.1 | 21.3 | 19.8 | 17.5 | 16.0 | 14.5 | 13.7 | 12.9 | 12.2 | 11.4 |
| 72.5° | 15.2 | 15.2 | 14.5 | 13.7 | 12.2 | 11.4 | 9.9 | 9.9 | 9.1 | 9.1 | 8.4 |
| 75° | 8.4 | 8.4 | 8.4 | 7.6 | 7.6 | 6.9 | 6.9 | 6.9 | 6.1 | 6.1 | 6.1 |
| 77.5° | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 |
| 80° | 0.8 | 0.8 | 0.8 | 0.8 | 1.5 | 1.5 | 1.5 | 1.5 | 2.3 | 2.3 | 2.3 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 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 |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART09R70W2N902750DE010 E3LCWW1H_2700K

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 131.7 | 131.7 | 131.7 | 131.7 | 131.7 | 131.7 | 131.7 | 131.7 | 131.7 | 131.7 |
| 2.5° | 130.2 | 127.9 | 126.4 | 125.6 | 123.4 | 122.6 | 121.8 | 121.1 | 121.1 | 121.1 |
| 5° | 127.2 | 123.4 | 119.5 | 117.3 | 114.2 | 112.7 | 111.2 | 110.4 | 109.7 | 109.7 |
| 7.5° | 121.8 | 117.3 | 112.7 | 108.9 | 105.8 | 102.8 | 101.3 | 99.8 | 99.8 | 99.0 |
| 10° | 116.5 | 110.4 | 105.1 | 99.8 | 96.7 | 92.9 | 91.4 | 89.9 | 89.1 | 89.1 |
| 12.5° | 110.4 | 102.8 | 96.7 | 92.1 | 87.6 | 84.5 | 82.2 | 80.7 | 80.0 | 80.0 |
| 15° | 103.6 | 95.9 | 89.1 | 84.5 | 80.0 | 76.1 | 73.9 | 72.3 | 71.6 | 71.6 |
| 17.5° | 96.7 | 89.1 | 81.5 | 76.9 | 72.3 | 68.5 | 67.0 | 65.5 | 64.7 | 64.0 |
| 20° | 90.6 | 81.5 | 75.4 | 69.3 | 65.5 | 62.4 | 60.2 | 58.6 | 57.9 | 57.9 |
| 22.5° | 83.8 | 75.4 | 68.5 | 64.0 | 60.2 | 57.1 | 54.1 | 53.3 | 52.5 | 52.5 |
| 25° | 76.9 | 69.3 | 63.2 | 58.6 | 54.1 | 51.8 | 49.5 | 48.0 | 48.0 | 47.2 |
| 27.5° | 71.6 | 64.0 | 57.9 | 53.3 | 50.3 | 47.2 | 45.7 | 44.2 | 43.4 | 43.4 |
| 30° | 65.5 | 58.6 | 53.3 | 49.5 | 45.7 | 43.4 | 41.9 | 40.4 | 40.4 | 40.4 |
| 31° | 64.0 | 57.1 | 51.8 | 47.2 | 44.2 | 41.9 | 40.4 | 39.6 | 38.8 | 38.8 |
| 32.5° | 60.2 | 54.1 | 48.7 | 44.9 | 41.9 | 39.6 | 38.1 | 37.3 | 37.3 | 36.6 |
| 35° | 55.6 | 49.5 | 44.9 | 41.1 | 38.8 | 36.6 | 35.0 | 34.3 | 34.3 | 34.3 |
| 37.5° | 51.0 | 45.7 | 41.1 | 38.1 | 35.8 | 33.5 | 32.7 | 31.2 | 31.2 | 31.2 |
| 40° | 46.4 | 41.9 | 38.1 | 35.0 | 32.7 | 31.2 | 30.5 | 29.7 | 28.9 | 28.9 |
| 42.5° | 42.6 | 38.1 | 35.0 | 32.7 | 30.5 | 28.9 | 28.2 | 27.4 | 27.4 | 26.7 |
| 45° | 38.8 | 35.0 | 32.7 | 30.5 | 28.2 | 27.4 | 26.7 | 25.9 | 25.1 | 25.1 |
| 47.5° | 35.8 | 32.7 | 29.7 | 28.2 | 26.7 | 25.1 | 24.4 | 24.4 | 23.6 | 23.6 |
| 50° | 32.7 | 29.7 | 27.4 | 25.9 | 24.4 | 23.6 | 22.8 | 22.8 | 22.1 | 22.1 |
| 52.5° | 30.5 | 27.4 | 25.9 | 24.4 | 22.8 | 22.1 | 21.3 | 21.3 | 20.6 | 20.6 |
| 55° | 27.4 | 25.1 | 23.6 | 22.8 | 21.3 | 20.6 | 19.8 | 19.0 | 19.0 | 19.8 |
| 57.5° | 25.1 | 23.6 | 22.1 | 21.3 | 19.8 | 19.0 | 18.3 | 18.3 | 17.5 | 18.3 |
| 60° | 22.8 | 21.3 | 19.8 | 19.0 | 18.3 | 17.5 | 16.8 | 16.0 | 16.0 | 16.0 |
| 62.5° | 20.6 | 19.0 | 18.3 | 16.8 | 16.0 | 16.0 | 15.2 | 15.2 | 15.2 | 14.5 |
| 65° | 17.5 | 16.8 | 16.0 | 15.2 | 14.5 | 13.7 | 13.7 | 12.9 | 12.9 | 12.9 |
| 67.5° | 14.5 | 13.7 | 12.9 | 12.9 | 12.2 | 11.4 | 11.4 | 11.4 | 11.4 | 10.7 |
| 70° | 11.4 | 10.7 | 10.7 | 9.9 | 9.9 | 9.9 | 9.1 | 9.1 | 9.1 | 9.1 |
| 72.5° | 8.4 | 8.4 | 7.6 | 7.6 | 7.6 | 7.6 | 6.9 | 6.9 | 6.9 | 6.9 |
| 75° | 6.1 | 6.1 | 6.1 | 5.3 | 5.3 | 5.3 | 4.6 | 4.6 | 4.6 | 4.6 |
| 77.5° | 3.8 | 3.8 | 3.8 | 3.8 | 3.8 | 3.0 | 3.0 | 3.0 | 3.0 | 3.0 |
| 80° | 2.3 | 2.3 | 2.3 | 2.3 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 0.8 |
| 82.5° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 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)