

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: P3ART05R70B2750DE010 E3LCWW1MW_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: P3ART05R70B2750DE010 E3LCWW1MW_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 80CRI , E3LCWW1MW TRIM
Light Source: -
Ballast/Driver: -

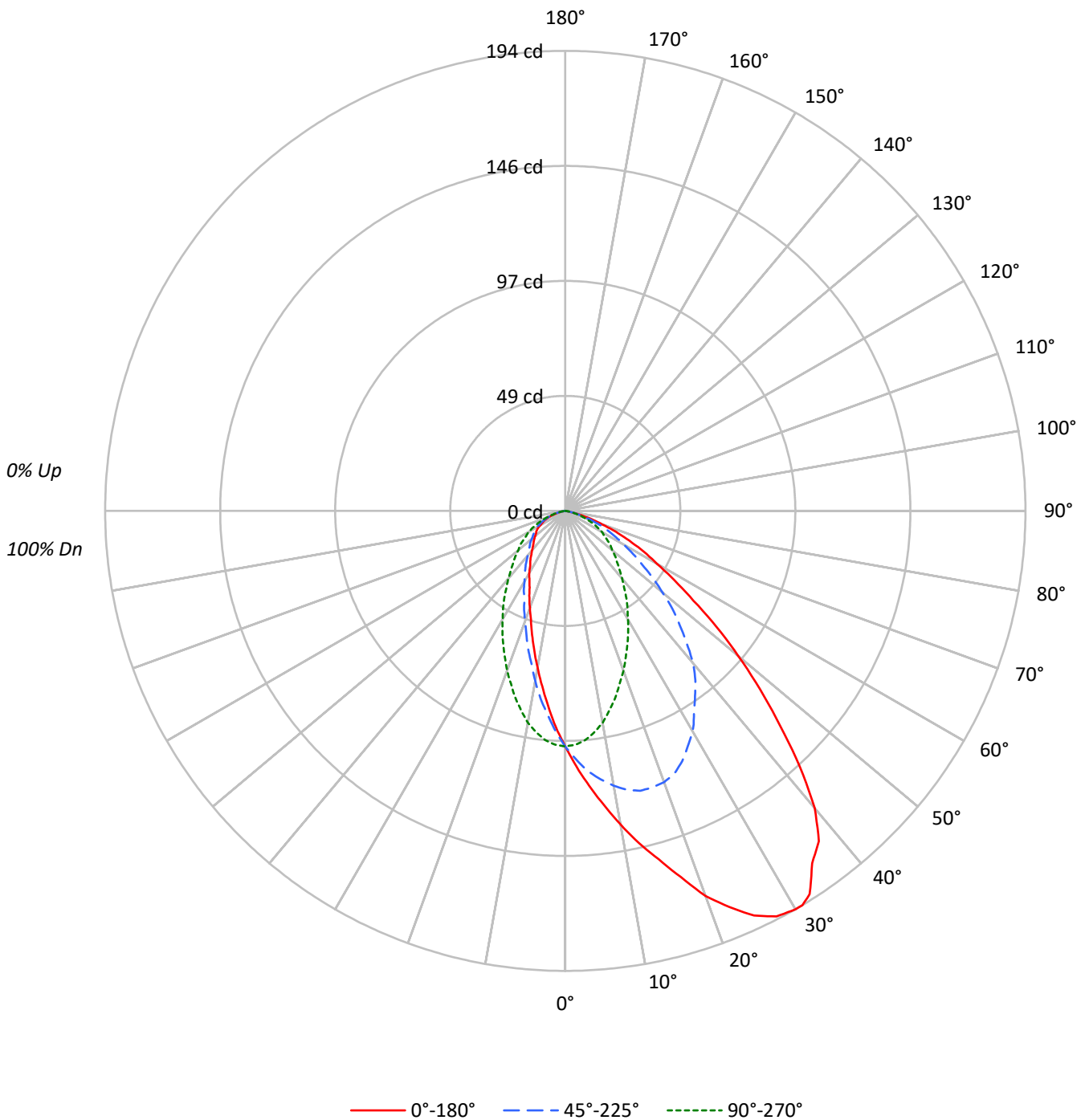
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 202.0 lumens
Efficiency: N/A
Efficacy: 34.2 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: P3ART05R70B2750DE010 E3LCWW1MW_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART05R70B2750DE010 E3LCWW1MW_4000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 20 | | | | 20 | | | | 20 | | | | 20 | |
| RC | 80 | | | | 70 | | | | 50 | | | | 30 | | | | 10 | |
| RW | 70 | 50 | 30 | 10 | 70 | 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° | 21775 | 21775 | 21775 | 21775 | 21775 |
| 5° | 25644 | 24257 | 21351 | 18952 | 18182 |
| 10° | 29904 | 26207 | 20196 | 16232 | 14963 |
| 15° | 34529 | 27741 | 18502 | 13689 | 12259 |
| 20° | 40324 | 28399 | 16731 | 11528 | 10174 |
| 25° | 45559 | 28187 | 15001 | 9847 | 8613 |
| 30° | 49121 | 27169 | 13369 | 8710 | 7697 |
| 35° | 48559 | 25511 | 11993 | 7843 | 6906 |
| 40° | 46831 | 23988 | 10677 | 7070 | 6240 |
| 45° | 39694 | 21180 | 9613 | 6574 | 5861 |
| 50° | 32511 | 18217 | 8801 | 6277 | 5663 |
| 55° | 25232 | 15139 | 8334 | 6155 | 5696 |
| 60° | 19648 | 12587 | 7806 | 6052 | 5307 |
| 65° | 15462 | 10429 | 6849 | 5656 | 5085 |
| 70° | 10643 | 7758 | 5514 | 4809 | 4424 |
| 75° | 5338 | 4406 | 3897 | 3389 | 2881 |
| 80° | 758 | 1389 | 2147 | 1389 | 758 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 39694 cd/sqm



TEST NUMBER: P#

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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 9.3 | 4.6 |
| 10°-20° | 25.9 | 12.8 |
| 20°-30° | 38.1 | 18.9 |
| 30°-40° | 42.7 | 21.2 |
| 40°-50° | 37.6 | 18.6 |
| 50°-60° | 26.9 | 13.3 |
| 60°-70° | 15.9 | 7.9 |
| 70°-80° | 5.3 | 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° | 73.3 | 36.3 |
| 0°-40° | 116.0 | 57.4 |
| 0°-60° | 180.5 | 89.3 |
| 0°-90° | 202.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 202.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 99 | 99 | 99 | 99 | 99 | |
| 5° | 116 | 110 | 97 | 86 | 83 | 12 |
| 15° | 152 | 122 | 82 | 60 | 54 | 44 |
| 25° | 188 | 116 | 62 | 41 | 36 | 87 |
| 35° | 181 | 95 | 45 | 29 | 26 | 114 |
| 45° | 128 | 68 | 31 | 21 | 19 | 99 |
| 55° | 66 | 40 | 22 | 16 | 15 | 60 |
| 65° | 30 | 20 | 13 | 11 | 10 | 30 |
| 75° | 6 | 5 | 5 | 4 | 3 | 8 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART05R70B2750DE010 E3LCWW1MW_4000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|------|
| 0° | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 2.5° | 107.9 | 107.9 | 107.9 | 106.8 | 106.8 | 105.0 | 103.9 | 102.2 | 101.0 | 99.3 | 98.7 |
| 5° | 116.5 | 116.5 | 115.4 | 114.2 | 112.5 | 110.2 | 107.3 | 104.5 | 101.0 | 98.1 | 97.0 |
| 7.5° | 125.1 | 125.7 | 124.0 | 121.7 | 118.2 | 114.2 | 110.2 | 105.6 | 100.4 | 96.4 | 94.1 |
| 10° | 134.3 | 134.3 | 132.0 | 128.6 | 123.4 | 117.7 | 111.3 | 105.0 | 98.7 | 93.0 | 90.7 |
| 12.5° | 143.5 | 142.9 | 140.0 | 134.9 | 128.6 | 120.5 | 111.9 | 103.9 | 96.4 | 89.5 | 86.1 |
| 15° | 152.1 | 152.1 | 148.1 | 141.8 | 132.6 | 122.2 | 111.9 | 101.6 | 93.0 | 84.9 | 81.5 |
| 17.5° | 161.9 | 161.9 | 156.7 | 146.9 | 135.4 | 122.2 | 110.2 | 98.7 | 89.0 | 80.4 | 76.3 |
| 20° | 172.8 | 172.2 | 164.7 | 151.5 | 136.6 | 121.7 | 107.9 | 95.3 | 84.4 | 75.2 | 71.7 |
| 22.5° | 180.8 | 180.2 | 171.6 | 155.5 | 137.2 | 120.0 | 103.9 | 90.7 | 79.8 | 70.6 | 66.6 |
| 25° | 188.3 | 187.1 | 177.3 | 157.3 | 136.0 | 116.5 | 99.9 | 85.5 | 75.2 | 66.0 | 62.0 |
| 27.5° | 192.8 | 192.3 | 181.4 | 156.7 | 133.2 | 111.9 | 94.7 | 80.9 | 70.0 | 60.8 | 57.4 |
| 30° | 194.0 | 194.6 | 181.4 | 153.8 | 128.6 | 107.3 | 89.5 | 75.8 | 64.9 | 56.8 | 52.8 |
| 31° | 194.0 | 194.6 | 180.2 | 152.1 | 126.8 | 105.0 | 87.2 | 74.0 | 62.6 | 54.5 | 51.1 |
| 32.5° | 191.7 | 190.5 | 178.5 | 149.2 | 122.8 | 101.0 | 84.4 | 71.2 | 59.7 | 51.7 | 48.8 |
| 35° | 181.4 | 181.9 | 172.8 | 142.9 | 117.1 | 95.3 | 78.6 | 65.4 | 54.5 | 47.6 | 44.8 |
| 37.5° | 175.6 | 175.6 | 159.0 | 134.3 | 110.8 | 90.1 | 71.7 | 59.1 | 49.9 | 43.6 | 40.7 |
| 40° | 163.6 | 161.9 | 146.4 | 125.1 | 103.3 | 83.8 | 67.7 | 55.1 | 45.9 | 39.6 | 37.3 |
| 42.5° | 146.4 | 144.6 | 132.6 | 117.1 | 93.6 | 75.8 | 64.3 | 48.8 | 41.3 | 36.2 | 33.9 |
| 45° | 128.0 | 126.8 | 117.7 | 103.3 | 84.4 | 68.3 | 55.7 | 44.8 | 37.9 | 32.7 | 31.0 |
| 47.5° | 111.3 | 109.6 | 102.7 | 91.8 | 76.3 | 61.4 | 48.2 | 40.2 | 33.9 | 29.8 | 28.7 |
| 50° | 95.3 | 94.7 | 89.0 | 80.4 | 67.7 | 53.4 | 42.5 | 35.6 | 31.0 | 27.5 | 25.8 |
| 52.5° | 80.4 | 79.2 | 76.3 | 69.4 | 59.1 | 46.5 | 37.3 | 31.6 | 27.5 | 25.3 | 24.1 |
| 55° | 66.0 | 66.0 | 63.1 | 58.5 | 50.5 | 39.6 | 32.7 | 28.1 | 24.7 | 23.0 | 21.8 |
| 57.5° | 54.5 | 54.5 | 52.2 | 49.4 | 41.9 | 33.9 | 28.7 | 24.7 | 22.4 | 20.7 | 19.5 |
| 60° | 44.8 | 44.8 | 43.0 | 40.2 | 35.0 | 28.7 | 24.7 | 21.8 | 20.1 | 18.4 | 17.8 |
| 62.5° | 37.3 | 36.7 | 35.6 | 32.7 | 28.7 | 24.1 | 21.2 | 18.9 | 17.2 | 16.1 | 15.5 |
| 65° | 29.8 | 29.3 | 28.1 | 25.8 | 23.0 | 20.1 | 17.8 | 16.1 | 14.9 | 13.8 | 13.2 |
| 67.5° | 23.0 | 23.0 | 21.8 | 20.1 | 17.8 | 16.1 | 14.3 | 13.2 | 12.1 | 11.5 | 10.9 |
| 70° | 16.6 | 16.6 | 16.1 | 14.9 | 13.2 | 12.1 | 10.9 | 10.3 | 9.8 | 9.2 | 8.6 |
| 72.5° | 11.5 | 11.5 | 10.9 | 10.3 | 9.2 | 8.6 | 7.5 | 7.5 | 6.9 | 6.9 | 6.3 |
| 75° | 6.3 | 6.3 | 6.3 | 5.7 | 5.7 | 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 | 1.1 | 1.1 | 1.1 | 1.1 | 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 |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART05R70B2750DE010 E3LCWW1MW_4000K

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|------|------|------|------|------|------|------|------|------|------|
| 0° | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 | 99.3 |
| 2.5° | 98.1 | 96.4 | 95.3 | 94.7 | 93.0 | 92.4 | 91.8 | 91.3 | 91.3 | 91.3 |
| 5° | 95.8 | 93.0 | 90.1 | 88.4 | 86.1 | 84.9 | 83.8 | 83.2 | 82.6 | 82.6 |
| 7.5° | 91.8 | 88.4 | 84.9 | 82.1 | 79.8 | 77.5 | 76.3 | 75.2 | 75.2 | 74.6 |
| 10° | 87.8 | 83.2 | 79.2 | 75.2 | 72.9 | 70.0 | 68.9 | 67.7 | 67.2 | 67.2 |
| 12.5° | 83.2 | 77.5 | 72.9 | 69.4 | 66.0 | 63.7 | 62.0 | 60.8 | 60.3 | 60.3 |
| 15° | 78.1 | 72.3 | 67.2 | 63.7 | 60.3 | 57.4 | 55.7 | 54.5 | 54.0 | 54.0 |
| 17.5° | 72.9 | 67.2 | 61.4 | 58.0 | 54.5 | 51.7 | 50.5 | 49.4 | 48.8 | 48.2 |
| 20° | 68.3 | 61.4 | 56.8 | 52.2 | 49.4 | 47.1 | 45.3 | 44.2 | 43.6 | 43.6 |
| 22.5° | 63.1 | 56.8 | 51.7 | 48.2 | 45.3 | 43.0 | 40.7 | 40.2 | 39.6 | 39.6 |
| 25° | 58.0 | 52.2 | 47.6 | 44.2 | 40.7 | 39.0 | 37.3 | 36.2 | 36.2 | 35.6 |
| 27.5° | 54.0 | 48.2 | 43.6 | 40.2 | 37.9 | 35.6 | 34.4 | 33.3 | 32.7 | 32.7 |
| 30° | 49.4 | 44.2 | 40.2 | 37.3 | 34.4 | 32.7 | 31.6 | 30.4 | 30.4 | 30.4 |
| 31° | 48.2 | 43.0 | 39.0 | 35.6 | 33.3 | 31.6 | 30.4 | 29.8 | 29.3 | 29.3 |
| 32.5° | 45.3 | 40.7 | 36.7 | 33.9 | 31.6 | 29.8 | 28.7 | 28.1 | 28.1 | 27.5 |
| 35° | 41.9 | 37.3 | 33.9 | 31.0 | 29.3 | 27.5 | 26.4 | 25.8 | 25.8 | 25.8 |
| 37.5° | 38.5 | 34.4 | 31.0 | 28.7 | 27.0 | 25.3 | 24.7 | 23.5 | 23.5 | 23.5 |
| 40° | 35.0 | 31.6 | 28.7 | 26.4 | 24.7 | 23.5 | 23.0 | 22.4 | 21.8 | 21.8 |
| 42.5° | 32.1 | 28.7 | 26.4 | 24.7 | 23.0 | 21.8 | 21.2 | 20.7 | 20.7 | 20.1 |
| 45° | 29.3 | 26.4 | 24.7 | 23.0 | 21.2 | 20.7 | 20.1 | 19.5 | 18.9 | 18.9 |
| 47.5° | 27.0 | 24.7 | 22.4 | 21.2 | 20.1 | 18.9 | 18.4 | 18.4 | 17.8 | 17.8 |
| 50° | 24.7 | 22.4 | 20.7 | 19.5 | 18.4 | 17.8 | 17.2 | 17.2 | 16.6 | 16.6 |
| 52.5° | 23.0 | 20.7 | 19.5 | 18.4 | 17.2 | 16.6 | 16.1 | 16.1 | 15.5 | 15.5 |
| 55° | 20.7 | 18.9 | 17.8 | 17.2 | 16.1 | 15.5 | 14.9 | 14.3 | 14.3 | 14.9 |
| 57.5° | 18.9 | 17.8 | 16.6 | 16.1 | 14.9 | 14.3 | 13.8 | 13.8 | 13.2 | 13.8 |
| 60° | 17.2 | 16.1 | 14.9 | 14.3 | 13.8 | 13.2 | 12.6 | 12.1 | 12.1 | 12.1 |
| 62.5° | 15.5 | 14.3 | 13.8 | 12.6 | 12.1 | 12.1 | 11.5 | 11.5 | 11.5 | 10.9 |
| 65° | 13.2 | 12.6 | 12.1 | 11.5 | 10.9 | 10.3 | 10.3 | 9.8 | 9.8 | 9.8 |
| 67.5° | 10.9 | 10.3 | 9.8 | 9.8 | 9.2 | 8.6 | 8.6 | 8.6 | 8.6 | 8.0 |
| 70° | 8.6 | 8.0 | 8.0 | 7.5 | 7.5 | 7.5 | 6.9 | 6.9 | 6.9 | 6.9 |
| 72.5° | 6.3 | 6.3 | 5.7 | 5.7 | 5.7 | 5.7 | 5.2 | 5.2 | 5.2 | 5.2 |
| 75° | 4.6 | 4.6 | 4.6 | 4.0 | 4.0 | 4.0 | 3.4 | 3.4 | 3.4 | 3.4 |
| 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 | 1.1 | 1.1 | 1.1 | 1.1 | 1.1 | 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)