

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: P3ART09R70B2750DE010 E3CLSWW1MB_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 (G1-2509-551-15)
Test Lab: INNOVATION CENTER
Issue Date: 5/8/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: IRiS
Catalog Number: P3ART09R70B2750DE010 E3CLSWW1MB_4000K
Description: 3in Adjustable Boosted Cyan Tunable White LED luminaire with, R70 optic, 4000K CCT AND, 80CRI , E3CLSWW1MB TRIM
Light Source: -
Ballast/Driver: -

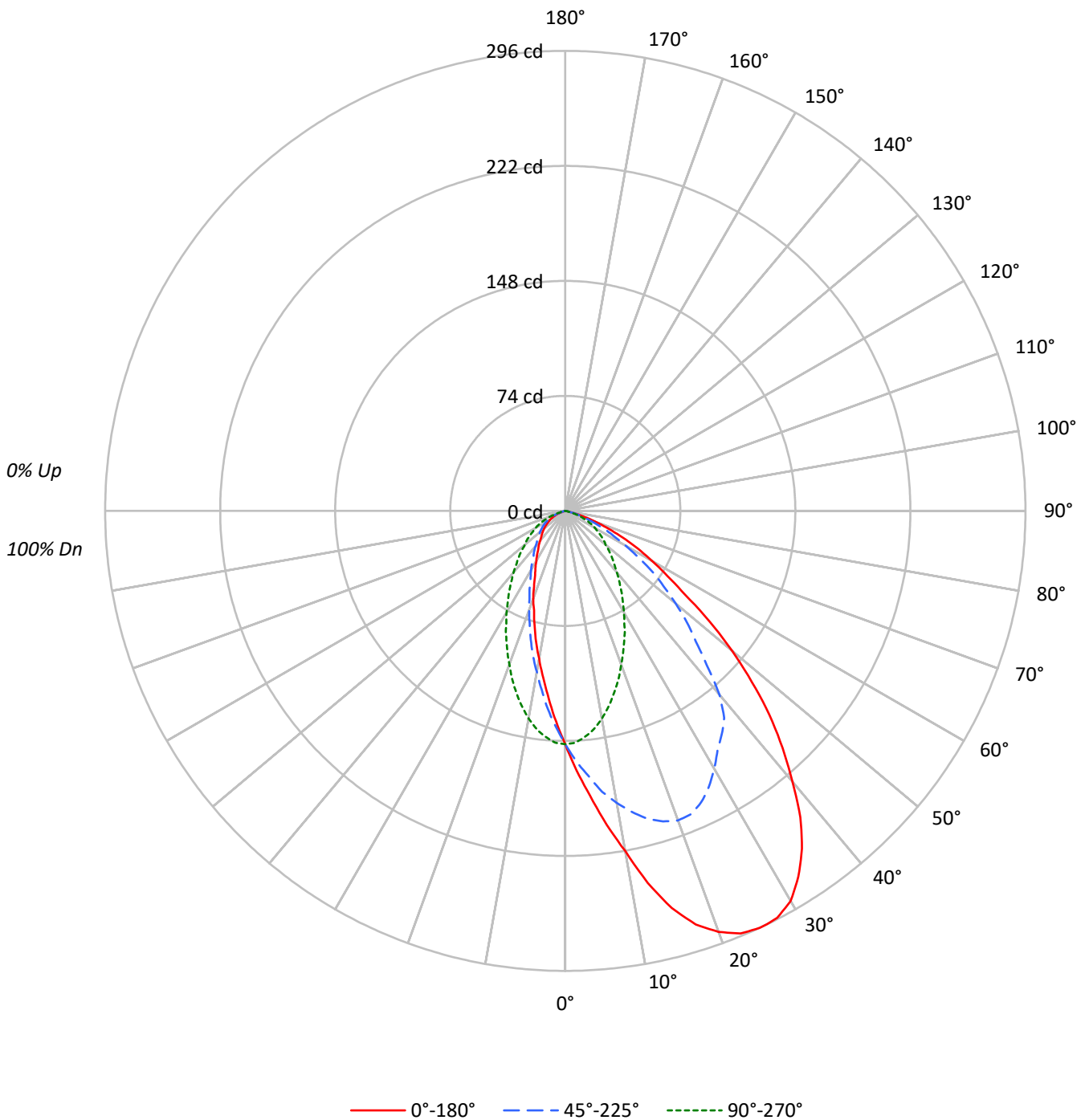
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 299.0 lumens
Efficiency: N/A
Efficacy: 22.8 lumens/watt
Spacing Criteria (0/90/45): 1.47 / 0.85 / 1.23
Luminous Opening: Circular (Dia: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 13.1
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: P3ART09R70B2750DE010 E3CLSWW1MB_4000K

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: P3ART09R70B2750DE010 E3CLSWW1MB_4000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

| | | | | | | | | | | | | | | | | | | | | | |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| RF | 20 | | | | 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 | 102 | 102 | 102 | 100 |
| 1 | 111 | 108 | 104 | 101 | 109 | 105 | 102 | 100 | 101 | 99 | 96 | 97 | 95 | 94 | 94 | 92 | 91 | 91 | 91 | 91 | 89 |
| 2 | 103 | 96 | 91 | 86 | 101 | 95 | 90 | 85 | 91 | 87 | 83 | 88 | 85 | 81 | 85 | 82 | 80 | 80 | 80 | 80 | 78 |
| 3 | 95 | 87 | 80 | 74 | 93 | 85 | 79 | 74 | 82 | 77 | 72 | 80 | 75 | 71 | 77 | 73 | 70 | 70 | 70 | 70 | 68 |
| 4 | 88 | 78 | 70 | 65 | 86 | 77 | 70 | 64 | 74 | 68 | 63 | 72 | 67 | 63 | 70 | 66 | 62 | 62 | 62 | 62 | 60 |
| 5 | 82 | 71 | 63 | 57 | 80 | 70 | 62 | 57 | 68 | 61 | 56 | 66 | 60 | 56 | 64 | 59 | 55 | 55 | 55 | 55 | 53 |
| 6 | 76 | 64 | 56 | 51 | 74 | 63 | 56 | 51 | 62 | 55 | 50 | 60 | 54 | 50 | 59 | 53 | 49 | 49 | 49 | 49 | 47 |
| 7 | 71 | 59 | 51 | 45 | 69 | 58 | 51 | 45 | 57 | 50 | 45 | 55 | 49 | 45 | 54 | 49 | 44 | 44 | 44 | 44 | 43 |
| 8 | 66 | 54 | 46 | 41 | 65 | 53 | 46 | 41 | 52 | 46 | 41 | 51 | 45 | 41 | 50 | 44 | 40 | 40 | 40 | 40 | 39 |
| 9 | 62 | 50 | 42 | 37 | 61 | 49 | 42 | 37 | 48 | 42 | 37 | 47 | 41 | 37 | 46 | 41 | 37 | 37 | 37 | 37 | 35 |
| 10 | 59 | 46 | 39 | 34 | 57 | 46 | 39 | 34 | 45 | 38 | 34 | 44 | 38 | 34 | 43 | 38 | 34 | 34 | 34 | 34 | 32 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|-------|-------|-------|-------|-------|
| 0° | 32914 | 32914 | 32914 | 32914 | 32914 |
| 5° | 40502 | 37706 | 32115 | 28197 | 26700 |
| 10° | 49476 | 42484 | 30215 | 23424 | 21532 |
| 15° | 60068 | 46584 | 27537 | 19455 | 17321 |
| 20° | 67276 | 49471 | 24549 | 15821 | 14048 |
| 25° | 71617 | 50059 | 21751 | 13138 | 11081 |
| 30° | 73429 | 48539 | 19117 | 11166 | 9444 |
| 35° | 71046 | 46980 | 16811 | 9530 | 8165 |
| 40° | 65065 | 44168 | 14799 | 8502 | 7271 |
| 45° | 57587 | 36810 | 13149 | 7877 | 6574 |
| 50° | 47726 | 31521 | 11565 | 7232 | 6072 |
| 55° | 35975 | 26264 | 10705 | 6805 | 5505 |
| 60° | 28287 | 19691 | 9648 | 6315 | 4824 |
| 65° | 21118 | 14528 | 8354 | 5292 | 3943 |
| 70° | 13592 | 9232 | 5963 | 3783 | 2180 |
| 75° | 5761 | 4999 | 2881 | 1440 | 678 |
| 80° | 1010 | 1010 | 0 | 0 | 0 |
| 85° | 0 | 0 | 0 | 0 | 0 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 57587 cd/sqm



TEST NUMBER: P#

CATALOG NUMBER: P3ART09R70B2750DE010 E3CLSWW1MB_4000K

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------------|--------------|--------------|
| 0°-10° | 14.2 | 4.8 |
| 10°-20° | 41.0 | 13.7 |
| 20°-30° | 59.9 | 20.0 |
| 30°-40° | 65.3 | 21.8 |
| 40°-50° | 56.5 | 18.9 |
| 50°-60° | 37.8 | 12.7 |
| 60°-70° | 19.5 | 6.5 |
| 70°-80° | 4.6 | 1.5 |
| 80°-90° | 0.0 | 0.0 |
| 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° | 115.1 | 38.5 |
| 0°-40° | 180.4 | 60.4 |
| 0°-60° | 274.8 | 91.9 |
| 0°-90° | 299.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 299.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 150 | 150 | 150 | 150 | 150 | |
| 5° | 184 | 171 | 146 | 128 | 121 | 19 |
| 15° | 265 | 205 | 121 | 86 | 76 | 75 |
| 25° | 296 | 207 | 90 | 54 | 46 | 136 |
| 35° | 265 | 176 | 63 | 36 | 30 | 164 |
| 45° | 186 | 119 | 42 | 25 | 21 | 142 |
| 55° | 94 | 69 | 28 | 18 | 14 | 87 |
| 65° | 41 | 28 | 16 | 10 | 8 | 41 |
| 75° | 7 | 6 | 3 | 2 | 1 | 9 |
| 85° | 0 | 0 | 0 | 0 | 0 | 0 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P#
 CATALOG NUMBER: P3ART09R70B2750DE010 E3CLSWW1MB_4000K

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 150.1 | 150.1 | 150.1 | 150.1 | 150.1 | 150.1 | 150.1 | 150.1 | 150.1 | 150.1 | 150.1 |
| 2.5° | 167.1 | 166.2 | 166.2 | 164.5 | 162.8 | 161.1 | 158.6 | 156.0 | 153.5 | 151.0 | 149.3 |
| 5° | 184.0 | 184.9 | 184.0 | 180.6 | 176.4 | 171.3 | 166.2 | 160.3 | 154.3 | 149.3 | 145.9 |
| 7.5° | 203.5 | 203.5 | 201.0 | 196.7 | 190.8 | 182.3 | 173.8 | 163.7 | 154.3 | 145.9 | 141.6 |
| 10° | 222.2 | 222.2 | 217.9 | 211.2 | 201.8 | 190.8 | 178.9 | 165.4 | 152.6 | 140.8 | 135.7 |
| 12.5° | 245.1 | 244.2 | 239.1 | 228.1 | 214.6 | 198.4 | 182.3 | 165.4 | 150.1 | 135.7 | 128.9 |
| 15° | 264.6 | 263.7 | 257.0 | 243.4 | 225.6 | 205.2 | 183.2 | 163.7 | 145.0 | 128.9 | 121.3 |
| 17.5° | 279.0 | 277.3 | 269.7 | 255.3 | 234.9 | 209.5 | 184.0 | 160.3 | 139.1 | 121.3 | 113.6 |
| 20° | 288.3 | 287.5 | 279.0 | 262.0 | 240.0 | 212.0 | 183.2 | 156.0 | 133.1 | 113.6 | 105.2 |
| 22.5° | 294.3 | 292.6 | 284.1 | 265.4 | 240.0 | 211.2 | 179.8 | 150.1 | 125.5 | 106.0 | 97.5 |
| 25° | 296.0 | 295.1 | 284.9 | 264.6 | 237.5 | 206.9 | 174.7 | 144.2 | 117.9 | 98.4 | 89.9 |
| 26° | 296.0 | 295.1 | 284.9 | 263.7 | 235.8 | 204.4 | 172.2 | 141.6 | 115.3 | 95.0 | 87.3 |
| 27.5° | 295.1 | 294.3 | 283.2 | 261.2 | 232.4 | 200.1 | 167.1 | 136.5 | 110.2 | 90.7 | 82.3 |
| 30° | 290.0 | 288.3 | 277.3 | 255.3 | 224.7 | 191.7 | 158.6 | 128.9 | 102.6 | 83.1 | 75.5 |
| 32.5° | 279.0 | 277.3 | 265.4 | 245.1 | 216.3 | 182.3 | 149.3 | 120.4 | 95.0 | 75.5 | 68.7 |
| 35° | 265.4 | 263.7 | 251.9 | 232.4 | 204.4 | 175.5 | 139.1 | 111.1 | 86.5 | 69.5 | 62.8 |
| 37.5° | 248.5 | 245.9 | 235.8 | 215.4 | 190.0 | 167.9 | 130.6 | 101.8 | 78.9 | 62.8 | 56.8 |
| 40° | 227.3 | 226.4 | 217.1 | 198.4 | 173.0 | 154.3 | 125.5 | 101.8 | 72.1 | 56.8 | 51.7 |
| 42.5° | 206.9 | 205.2 | 196.7 | 180.6 | 157.7 | 134.8 | 110.2 | 97.5 | 67.0 | 50.9 | 46.6 |
| 45° | 185.7 | 184.0 | 176.4 | 162.8 | 141.6 | 118.7 | 118.7 | 84.0 | 57.7 | 46.6 | 42.4 |
| 47.5° | 162.8 | 161.1 | 155.2 | 145.0 | 126.4 | 106.0 | 86.5 | 68.7 | 52.6 | 41.6 | 38.2 |
| 50° | 139.9 | 140.8 | 135.7 | 125.5 | 111.1 | 92.4 | 74.6 | 57.7 | 44.9 | 37.3 | 33.9 |
| 52.5° | 117.0 | 116.2 | 112.8 | 106.0 | 95.8 | 79.7 | 63.6 | 49.2 | 39.0 | 33.1 | 31.4 |
| 55° | 94.1 | 95.0 | 93.3 | 89.0 | 80.6 | 68.7 | 53.4 | 42.4 | 34.8 | 29.7 | 28.0 |
| 57.5° | 78.0 | 78.9 | 75.5 | 72.9 | 66.1 | 56.0 | 44.1 | 35.6 | 29.7 | 26.3 | 24.6 |
| 60° | 64.5 | 65.3 | 62.8 | 59.4 | 54.3 | 44.9 | 35.6 | 29.7 | 26.3 | 23.7 | 22.0 |
| 62.5° | 52.6 | 51.7 | 50.0 | 46.6 | 42.4 | 35.6 | 28.8 | 24.6 | 22.0 | 20.4 | 19.5 |
| 65° | 40.7 | 40.7 | 39.0 | 36.5 | 33.1 | 28.0 | 22.9 | 20.4 | 18.7 | 17.0 | 16.1 |
| 67.5° | 30.5 | 30.5 | 28.8 | 27.1 | 23.7 | 20.4 | 17.8 | 16.1 | 15.3 | 13.6 | 12.7 |
| 70° | 21.2 | 21.2 | 20.4 | 19.5 | 17.0 | 14.4 | 13.6 | 11.9 | 11.0 | 10.2 | 9.3 |
| 72.5° | 13.6 | 13.6 | 13.6 | 11.9 | 11.0 | 9.3 | 9.3 | 8.5 | 7.6 | 6.8 | 6.8 |
| 75° | 6.8 | 7.6 | 6.8 | 6.8 | 5.9 | 5.9 | 5.1 | 5.1 | 4.2 | 4.2 | 3.4 |
| 77.5° | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 2.5 | 1.7 | 1.7 | 1.7 | 1.7 | 1.7 |
| 80° | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 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: P3ART09R70B2750DE010 E3CLSWW1MB_4000K

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 150.1 | 150.1 | 150.1 | 150.1 | 150.1 | 150.1 | 150.1 | 150.1 | 150.1 | 150.1 |
| 2.5° | 147.6 | 145.0 | 143.3 | 140.8 | 139.1 | 137.4 | 136.5 | 135.7 | 135.7 | 135.7 |
| 5° | 143.3 | 139.1 | 134.8 | 130.6 | 128.1 | 125.5 | 123.0 | 122.1 | 121.3 | 121.3 |
| 7.5° | 138.2 | 131.4 | 125.5 | 120.4 | 116.2 | 113.6 | 111.1 | 109.4 | 108.5 | 108.5 |
| 10° | 131.4 | 123.0 | 116.2 | 109.4 | 105.2 | 101.8 | 100.1 | 97.5 | 97.5 | 96.7 |
| 12.5° | 123.8 | 113.6 | 106.0 | 100.1 | 95.8 | 91.6 | 89.0 | 87.3 | 86.5 | 86.5 |
| 15° | 115.3 | 105.2 | 96.7 | 89.9 | 85.7 | 81.4 | 78.9 | 77.2 | 76.3 | 76.3 |
| 17.5° | 106.9 | 95.8 | 87.3 | 80.6 | 76.3 | 72.1 | 69.5 | 67.8 | 67.8 | 67.0 |
| 20° | 98.4 | 87.3 | 78.9 | 72.1 | 67.8 | 64.5 | 61.9 | 60.2 | 59.4 | 60.2 |
| 22.5° | 90.7 | 79.7 | 71.2 | 65.3 | 60.2 | 56.8 | 54.3 | 53.4 | 52.6 | 52.6 |
| 25° | 82.3 | 72.1 | 64.5 | 58.5 | 54.3 | 50.9 | 48.3 | 47.5 | 46.6 | 45.8 |
| 26° | 79.7 | 69.5 | 61.9 | 56.0 | 51.7 | 48.3 | 46.6 | 44.9 | 44.1 | 44.1 |
| 27.5° | 76.3 | 65.3 | 58.5 | 52.6 | 48.3 | 45.8 | 43.3 | 42.4 | 41.6 | 41.6 |
| 30° | 68.7 | 59.4 | 52.6 | 47.5 | 44.1 | 40.7 | 39.0 | 38.2 | 37.3 | 37.3 |
| 32.5° | 62.8 | 53.4 | 47.5 | 43.3 | 39.9 | 37.3 | 35.6 | 33.9 | 33.9 | 33.9 |
| 35° | 56.8 | 48.3 | 43.3 | 39.0 | 35.6 | 33.1 | 32.2 | 31.4 | 30.5 | 30.5 |
| 37.5° | 51.7 | 44.1 | 39.0 | 35.6 | 33.1 | 30.5 | 28.8 | 28.0 | 28.0 | 28.0 |
| 40° | 46.6 | 40.7 | 35.6 | 32.2 | 29.7 | 28.0 | 26.3 | 25.4 | 25.4 | 25.4 |
| 42.5° | 42.4 | 36.5 | 33.1 | 29.7 | 27.1 | 25.4 | 24.6 | 23.7 | 22.9 | 22.9 |
| 45° | 39.0 | 33.9 | 29.7 | 27.1 | 25.4 | 23.7 | 22.0 | 21.2 | 21.2 | 21.2 |
| 47.5° | 34.8 | 31.4 | 27.1 | 24.6 | 22.9 | 21.2 | 20.4 | 19.5 | 19.5 | 19.5 |
| 50° | 32.2 | 28.8 | 25.4 | 22.9 | 21.2 | 19.5 | 18.7 | 17.8 | 17.8 | 17.8 |
| 52.5° | 28.8 | 26.3 | 23.7 | 21.2 | 19.5 | 17.8 | 17.0 | 16.1 | 16.1 | 16.1 |
| 55° | 26.3 | 23.7 | 21.2 | 19.5 | 17.8 | 16.1 | 15.3 | 14.4 | 14.4 | 14.4 |
| 57.5° | 23.7 | 21.2 | 19.5 | 17.8 | 16.1 | 15.3 | 13.6 | 13.6 | 12.7 | 12.7 |
| 60° | 21.2 | 18.7 | 17.0 | 16.1 | 14.4 | 13.6 | 11.9 | 11.0 | 11.0 | 11.0 |
| 62.5° | 17.8 | 17.0 | 15.3 | 13.6 | 11.9 | 11.0 | 10.2 | 9.3 | 9.3 | 9.3 |
| 65° | 15.3 | 14.4 | 12.7 | 11.0 | 10.2 | 9.3 | 8.5 | 7.6 | 7.6 | 7.6 |
| 67.5° | 12.7 | 11.0 | 10.2 | 9.3 | 8.5 | 7.6 | 6.8 | 5.9 | 5.1 | 5.9 |
| 70° | 9.3 | 8.5 | 7.6 | 6.8 | 5.9 | 5.1 | 4.2 | 4.2 | 3.4 | 3.4 |
| 72.5° | 5.9 | 5.1 | 5.1 | 4.2 | 3.4 | 3.4 | 2.5 | 2.5 | 1.7 | 1.7 |
| 75° | 3.4 | 3.4 | 2.5 | 2.5 | 1.7 | 1.7 | 0.8 | 0.8 | 0.8 | 0.8 |
| 77.5° | 1.7 | 0.8 | 0.8 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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)