

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: PORTFOLIO

Report Number: P1315856

Luminaire Tested: LDSQA3D17R709735DE010 3LSQCLSWWR 1MW

Issue Date: 1/29/2026

Test Information

Test Method: LM-79-2019
Report Number: P1315856
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2510-583-71)
Test Lab: INNOVATION CENTER
Issue Date: 1/29/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDSQA3D17R709735DE010 3LSQCLSWWR 1MW
Description: 3in Adjustable LED luminaire with, R70 optic, 3500K CCT AND, 97CRI , 3LSQCLSWWR 1MW TF
Light Source: -
Ballast/Driver: -

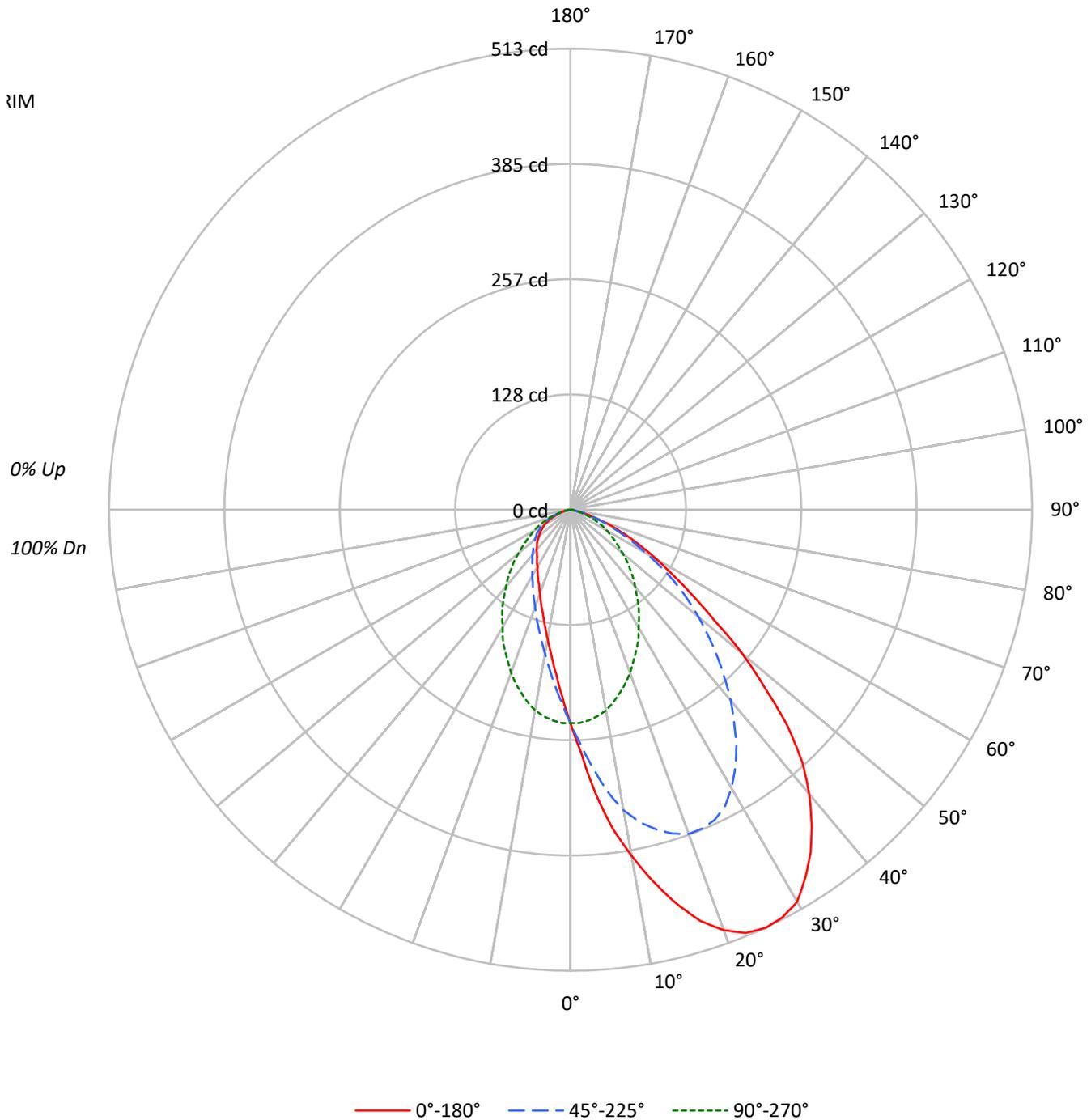
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 580.0 lumens
Efficiency: N/A
Efficacy: 27.4 lumens/watt
Spacing Criteria (0/90/45): 1.58 / 1 / 1.33
Luminous Opening: Rectangular (W 0.25' x L: 0.25' x H: 0')
CIE Type: Direct

Input Watts (W): 21.2
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

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Luminous Intensity Polar Plot





TEST NUMBER: P1315856

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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 | 101 | 99 | 100 | 98 | 95 | 97 | 95 | 93 | 93 | 91 | 90 | 88 |
| 2 | 102 | 95 | 89 | 84 | 100 | 93 | 88 | 83 | 90 | 85 | 82 | 87 | 83 | 80 | 84 | 81 | 78 | 76 |
| 3 | 94 | 85 | 78 | 72 | 92 | 83 | 77 | 72 | 81 | 75 | 70 | 78 | 73 | 69 | 75 | 71 | 68 | 66 |
| 4 | 87 | 76 | 68 | 62 | 85 | 75 | 68 | 62 | 73 | 66 | 61 | 70 | 65 | 60 | 68 | 64 | 60 | 58 |
| 5 | 80 | 69 | 61 | 55 | 78 | 68 | 60 | 54 | 66 | 59 | 54 | 64 | 58 | 53 | 62 | 57 | 53 | 51 |
| 6 | 75 | 62 | 54 | 48 | 73 | 62 | 54 | 48 | 60 | 53 | 48 | 58 | 52 | 47 | 57 | 51 | 47 | 45 |
| 7 | 69 | 57 | 49 | 43 | 68 | 56 | 48 | 43 | 55 | 48 | 43 | 53 | 47 | 42 | 52 | 46 | 42 | 40 |
| 8 | 65 | 52 | 44 | 39 | 63 | 52 | 44 | 39 | 50 | 43 | 38 | 49 | 43 | 38 | 48 | 42 | 38 | 36 |
| 9 | 61 | 48 | 40 | 35 | 59 | 48 | 40 | 35 | 46 | 40 | 35 | 45 | 39 | 35 | 44 | 39 | 35 | 33 |
| 10 | 57 | 44 | 37 | 32 | 56 | 44 | 37 | 32 | 43 | 36 | 32 | 42 | 36 | 32 | 41 | 36 | 32 | 30 |

AVERAGE LUMINANCE (cd/sqm):

| | 0° | 45° | 90° | 135° | 180° |
|-----|--------|-------|-------|-------|-------|
| 0° | 40903 | 40903 | 40903 | 40903 | 40903 |
| 5° | 54734 | 49962 | 40644 | 34006 | 31724 |
| 10° | 68378 | 59354 | 39645 | 28523 | 25585 |
| 15° | 80822 | 65649 | 37639 | 24373 | 21164 |
| 20° | 91216 | 70341 | 35391 | 21095 | 18236 |
| 25° | 97541 | 72248 | 32818 | 18680 | 16190 |
| 30° | 100169 | 71075 | 30049 | 16943 | 14557 |
| 35° | 97827 | 67573 | 27731 | 15642 | 13624 |
| 40° | 92761 | 62275 | 25068 | 14838 | 13219 |
| 45° | 83249 | 56092 | 22773 | 14321 | 12860 |
| 50° | 66849 | 49808 | 20256 | 13825 | 12218 |
| 55° | 49333 | 42847 | 18016 | 13692 | 11890 |
| 60° | 37992 | 33446 | 16120 | 13227 | 11573 |
| 65° | 28852 | 24940 | 14181 | 12225 | 10269 |
| 70° | 19336 | 17523 | 10877 | 10877 | 8460 |
| 75° | 10381 | 10381 | 7187 | 7187 | 6388 |
| 80° | 2380 | 4761 | 3570 | 4761 | 5951 |
| 85° | 0 | 2371 | 2371 | 4742 | 4742 |

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 83249 cd/sqm



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ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 23.4 | 4.0 |
| 10°-20° | 71.2 | 12.3 |
| 20°-30° | 109.7 | 18.9 |
| 30°-40° | 124.5 | 21.5 |
| 40°-50° | 112.7 | 19.4 |
| 50°-60° | 78.8 | 13.6 |
| 60°-70° | 43.3 | 7.5 |
| 70°-80° | 14.5 | 2.5 |
| 80°-90° | 1.9 | 0.3 |
| 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° | 204.3 | 35.2 |
| 0°-40° | 328.8 | 56.7 |
| 0°-60° | 520.3 | 89.7 |
| 0°-90° | 580.0 | 100.0 |
| 90°-120° | 0.0 | 0.0 |
| 90°-150° | 0.0 | 0.0 |
| 90°-180° | 0.0 | 0.0 |
| 0°-180° | 580.0 | 100.0 |

CANDELA DISTRIBUTION:

| | 0° | 45° | 90° | 135° | 180° | Flux |
|-----|-----|-----|-----|------|------|------|
| 0° | 238 | 238 | 238 | 238 | 238 | |
| 5° | 317 | 289 | 235 | 197 | 184 | 32 |
| 15° | 453 | 368 | 211 | 137 | 119 | 129 |
| 25° | 513 | 380 | 173 | 98 | 85 | 235 |
| 35° | 465 | 321 | 132 | 74 | 65 | 289 |
| 45° | 342 | 230 | 94 | 59 | 53 | 259 |
| 55° | 164 | 143 | 60 | 46 | 40 | 151 |
| 65° | 71 | 61 | 35 | 30 | 25 | 71 |
| 75° | 16 | 16 | 11 | 11 | 10 | 18 |
| 85° | 0 | 1 | 1 | 2 | 2 | 1 |
| 90° | 0 | 0 | 0 | 0 | 0 | |



TEST NUMBER: P1315856

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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 237.5 | 237.5 | 237.5 | 237.5 | 237.5 | 237.5 | 237.5 | 237.5 | 237.5 | 237.5 | 237.5 |
| 2.5° | 271.0 | 273.4 | 274.6 | 272.2 | 271.0 | 269.9 | 267.5 | 266.3 | 263.9 | 261.5 | 260.3 |
| 5° | 316.6 | 316.6 | 316.6 | 314.2 | 310.6 | 308.2 | 303.4 | 299.8 | 293.8 | 289.0 | 284.2 |
| 7.5° | 357.4 | 357.4 | 356.2 | 352.6 | 350.2 | 344.2 | 338.2 | 333.4 | 323.8 | 316.6 | 307.0 |
| 10° | 391.0 | 391.0 | 389.8 | 383.8 | 380.2 | 373.0 | 367.0 | 358.6 | 349.0 | 339.4 | 328.6 |
| 12.5° | 423.4 | 423.4 | 418.6 | 413.8 | 406.6 | 397.0 | 388.6 | 380.2 | 367.0 | 356.2 | 343.0 |
| 15° | 453.3 | 453.3 | 450.9 | 442.6 | 433.0 | 422.2 | 410.2 | 398.2 | 382.6 | 368.2 | 353.8 |
| 17.5° | 479.7 | 478.5 | 474.9 | 465.3 | 455.7 | 442.6 | 428.2 | 413.8 | 394.6 | 377.8 | 359.8 |
| 20° | 497.7 | 497.7 | 492.9 | 482.1 | 471.3 | 456.9 | 441.4 | 424.6 | 404.2 | 383.8 | 362.2 |
| 22.5° | 509.7 | 508.5 | 503.7 | 492.9 | 479.7 | 465.3 | 447.4 | 429.4 | 406.6 | 383.8 | 361.0 |
| 25° | 513.3 | 512.1 | 507.3 | 495.3 | 482.1 | 466.5 | 447.4 | 428.2 | 404.2 | 380.2 | 355.0 |
| 27.5° | 510.9 | 509.7 | 504.9 | 491.7 | 478.5 | 460.5 | 441.4 | 421.0 | 397.0 | 371.8 | 346.6 |
| 30° | 503.7 | 500.1 | 495.3 | 483.3 | 468.9 | 450.9 | 430.6 | 407.8 | 383.8 | 357.4 | 332.2 |
| 32.5° | 485.7 | 485.7 | 479.7 | 467.7 | 453.3 | 434.2 | 413.8 | 392.2 | 365.8 | 340.6 | 314.2 |
| 35° | 465.3 | 464.1 | 459.3 | 446.2 | 433.0 | 415.0 | 394.6 | 371.8 | 346.6 | 321.4 | 296.2 |
| 37.5° | 440.2 | 439.0 | 434.2 | 422.2 | 407.8 | 391.0 | 369.4 | 347.8 | 323.8 | 298.6 | 275.8 |
| 40° | 412.6 | 410.2 | 404.2 | 394.6 | 382.6 | 363.4 | 344.2 | 322.6 | 299.8 | 277.0 | 254.3 |
| 42.5° | 381.4 | 379.0 | 374.2 | 367.0 | 352.6 | 335.8 | 317.8 | 297.4 | 275.8 | 253.1 | 236.3 |
| 45° | 341.8 | 341.8 | 339.4 | 332.2 | 321.4 | 308.2 | 289.0 | 271.0 | 250.7 | 230.3 | 212.3 |
| 47.5° | 292.6 | 295.0 | 293.8 | 290.2 | 285.4 | 273.4 | 260.3 | 244.7 | 225.5 | 207.5 | 190.7 |
| 50° | 249.5 | 250.7 | 251.9 | 249.5 | 245.9 | 237.5 | 229.1 | 219.5 | 202.7 | 185.9 | 170.3 |
| 52.5° | 200.3 | 203.9 | 203.9 | 205.1 | 205.1 | 202.7 | 200.3 | 189.5 | 181.1 | 164.3 | 149.9 |
| 55° | 164.3 | 164.3 | 164.3 | 166.7 | 167.9 | 169.1 | 166.7 | 164.3 | 154.7 | 142.7 | 129.5 |
| 57.5° | 134.3 | 134.3 | 136.7 | 135.5 | 135.5 | 137.9 | 137.9 | 136.7 | 130.7 | 119.9 | 107.9 |
| 60° | 110.3 | 110.3 | 110.3 | 110.3 | 111.5 | 111.5 | 111.5 | 111.5 | 106.7 | 97.1 | 87.6 |
| 62.5° | 88.8 | 88.8 | 88.8 | 90.0 | 90.0 | 90.0 | 91.1 | 90.0 | 85.2 | 78.0 | 69.6 |
| 65° | 70.8 | 69.6 | 70.8 | 70.8 | 72.0 | 72.0 | 72.0 | 70.8 | 66.0 | 61.2 | 55.2 |
| 67.5° | 52.8 | 54.0 | 54.0 | 54.0 | 55.2 | 56.4 | 55.2 | 54.0 | 50.4 | 45.6 | 43.2 |
| 70° | 38.4 | 39.6 | 39.6 | 39.6 | 40.8 | 42.0 | 40.8 | 39.6 | 37.2 | 34.8 | 32.4 |
| 72.5° | 25.2 | 26.4 | 26.4 | 27.6 | 28.8 | 28.8 | 27.6 | 27.6 | 26.4 | 24.0 | 22.8 |
| 75° | 15.6 | 15.6 | 16.8 | 16.8 | 18.0 | 18.0 | 18.0 | 16.8 | 16.8 | 15.6 | 15.6 |
| 77.5° | 7.2 | 7.2 | 8.4 | 8.4 | 8.4 | 9.6 | 9.6 | 9.6 | 9.6 | 9.6 | 8.4 |
| 80° | 2.4 | 2.4 | 2.4 | 2.4 | 2.4 | 3.6 | 3.6 | 3.6 | 4.8 | 4.8 | 4.8 |
| 82.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 2.4 | 2.4 | 2.4 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.2 | 1.2 | 1.2 | 1.2 |
| 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: P1315856

CATALOG NUMBER: LDSQA3D17R709735DE010 3LSQCLSWWR 1MW

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|-------|-------|-------|-------|--------|-------|--------|-------|
| 0° | 237.5 | 237.5 | 237.5 | 237.5 | 237.5 | 237.5 | 237.5 | 237.5 |
| 2.5° | 257.9 | 254.3 | 249.5 | 237.5 | 225.5 | 215.9 | 209.9 | 208.7 |
| 5° | 278.2 | 272.2 | 261.5 | 235.1 | 213.5 | 196.7 | 187.1 | 183.5 |
| 7.5° | 298.6 | 287.8 | 272.2 | 231.5 | 199.1 | 178.7 | 167.9 | 163.1 |
| 10° | 315.4 | 302.2 | 281.8 | 226.7 | 187.1 | 163.1 | 149.9 | 146.3 |
| 12.5° | 328.6 | 313.0 | 287.8 | 219.5 | 175.1 | 148.7 | 135.5 | 131.9 |
| 15° | 337.0 | 320.2 | 291.4 | 211.1 | 163.1 | 136.7 | 123.5 | 118.7 |
| 17.5° | 340.6 | 320.2 | 290.2 | 202.7 | 152.3 | 125.9 | 112.7 | 109.1 |
| 20° | 340.6 | 317.8 | 286.6 | 193.1 | 141.5 | 115.1 | 103.1 | 99.5 |
| 22.5° | 337.0 | 313.0 | 278.2 | 182.3 | 131.9 | 106.7 | 94.7 | 91.1 |
| 25° | 329.8 | 303.4 | 268.7 | 172.7 | 122.3 | 98.3 | 87.6 | 85.2 |
| 27.5° | 319.0 | 292.6 | 256.7 | 163.1 | 113.9 | 91.1 | 81.6 | 79.2 |
| 30° | 305.8 | 279.4 | 243.5 | 151.1 | 105.5 | 85.2 | 76.8 | 73.2 |
| 32.5° | 289.0 | 263.9 | 229.1 | 141.5 | 98.3 | 79.2 | 72.0 | 69.6 |
| 35° | 271.0 | 248.3 | 213.5 | 131.9 | 91.1 | 74.4 | 67.2 | 64.8 |
| 37.5° | 253.1 | 229.1 | 200.3 | 121.1 | 85.2 | 69.6 | 63.6 | 61.2 |
| 40° | 233.9 | 215.9 | 185.9 | 111.5 | 80.4 | 66.0 | 60.0 | 58.8 |
| 42.5° | 214.7 | 195.5 | 165.5 | 103.1 | 74.4 | 61.2 | 56.4 | 55.2 |
| 45° | 191.9 | 173.9 | 149.9 | 93.5 | 69.6 | 58.8 | 54.0 | 52.8 |
| 47.5° | 172.7 | 155.9 | 134.3 | 85.2 | 64.8 | 55.2 | 50.4 | 49.2 |
| 50° | 154.7 | 137.9 | 117.5 | 75.6 | 60.0 | 51.6 | 48.0 | 45.6 |
| 52.5° | 134.3 | 119.9 | 101.9 | 67.2 | 55.2 | 48.0 | 44.4 | 43.2 |
| 55° | 116.3 | 101.9 | 85.2 | 60.0 | 50.4 | 45.6 | 40.8 | 39.6 |
| 57.5° | 95.9 | 84.0 | 72.0 | 52.8 | 45.6 | 40.8 | 38.4 | 36.0 |
| 60° | 78.0 | 69.6 | 61.2 | 46.8 | 40.8 | 38.4 | 34.8 | 33.6 |
| 62.5° | 63.6 | 57.6 | 51.6 | 40.8 | 36.0 | 33.6 | 31.2 | 28.8 |
| 65° | 50.4 | 46.8 | 42.0 | 34.8 | 31.2 | 30.0 | 27.6 | 25.2 |
| 67.5° | 39.6 | 37.2 | 33.6 | 27.6 | 26.4 | 25.2 | 22.8 | 20.4 |
| 70° | 30.0 | 28.8 | 26.4 | 21.6 | 20.4 | 21.6 | 19.2 | 16.8 |
| 72.5° | 21.6 | 20.4 | 19.2 | 15.6 | 15.6 | 15.6 | 14.4 | 12.0 |
| 75° | 14.4 | 13.2 | 12.0 | 10.8 | 10.8 | 10.8 | 10.8 | 9.6 |
| 77.5° | 8.4 | 8.4 | 7.2 | 6.0 | 7.2 | 7.2 | 8.4 | 8.4 |
| 80° | 3.6 | 3.6 | 3.6 | 3.6 | 4.8 | 4.8 | 6.0 | 6.0 |
| 82.5° | 2.4 | 2.4 | 2.4 | 2.4 | 3.6 | 3.6 | 3.6 | 3.6 |
| 85° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 2.4 | 2.4 | 2.4 |
| 87.5° | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 | 1.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)