

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMARK

Report Number: P144020

Luminaire Tested: **LDRV-5WQ-E01-E**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P144020
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33698)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: LDRV-5WQ-E01-E
Description: RIDGEVIEW LED AREA/SITE LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3065.6 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B2 - U0 - G1

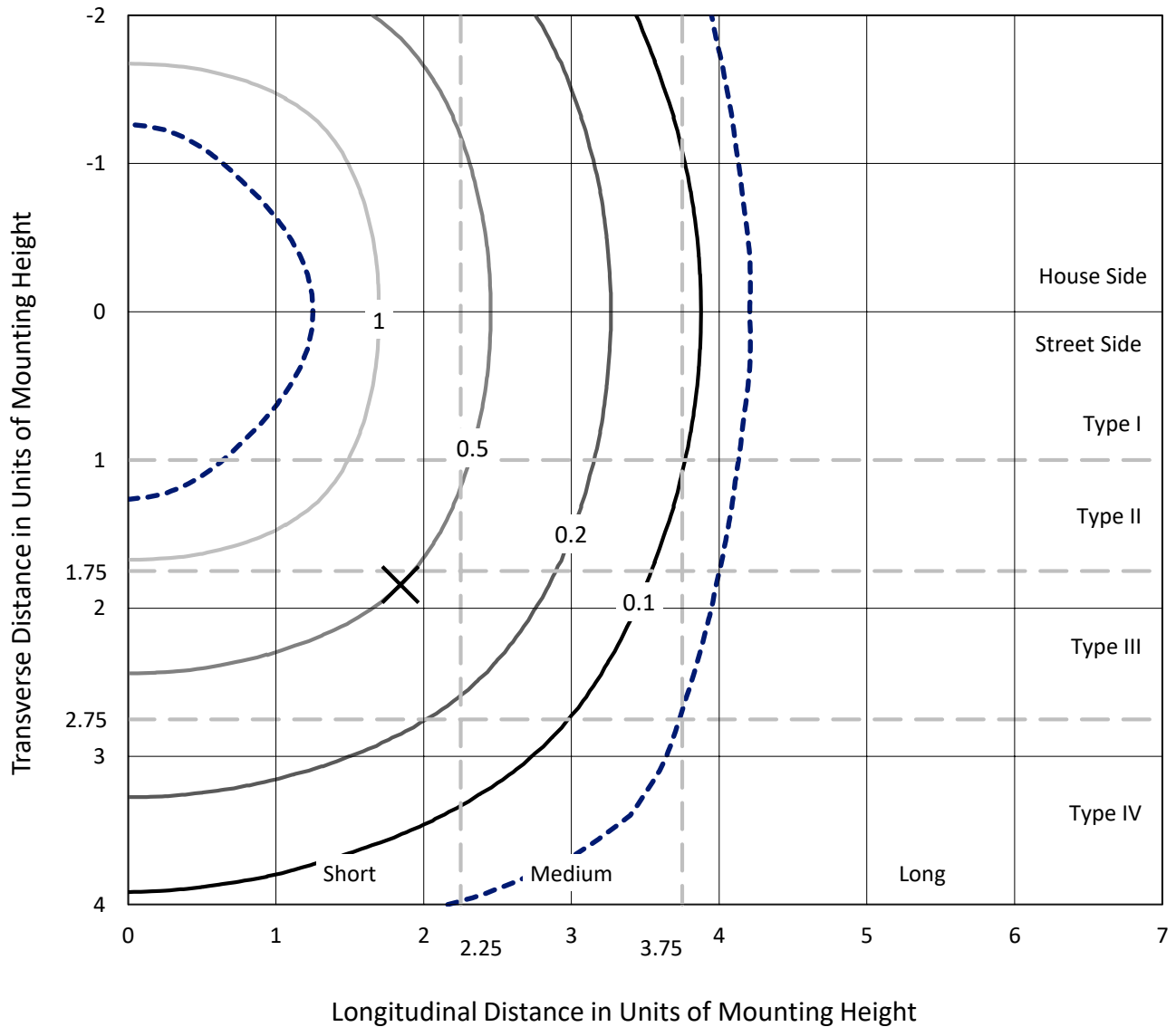
Input Watts (W): 24.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

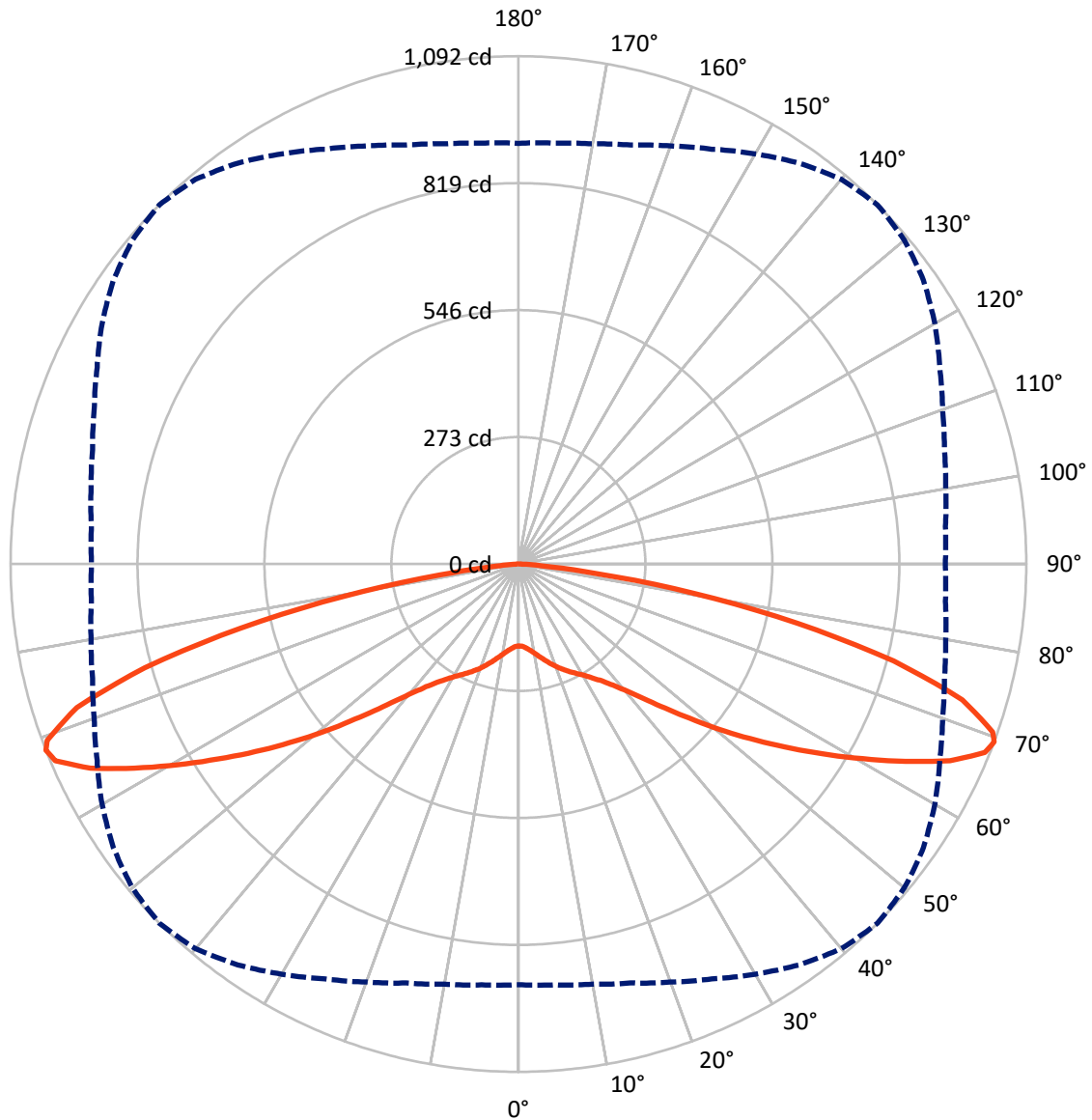
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1532.8 | 0.0 | 1532.8 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 1532.8 | 0.0 | 1532.8 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 3065.6 | 0.0 | 3065.6 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 17.8 | 0.6 |
| 10°-20° | 61.3 | 2.0 |
| 20°-30° | 118.1 | 3.9 |
| 30°-40° | 193.5 | 6.3 |
| 40°-50° | 336.5 | 11.0 |
| 50°-60° | 597.7 | 19.5 |
| 60°-70° | 927.9 | 30.3 |
| 70°-80° | 739.3 | 24.1 |
| 80°-90° | 73.5 | 2.4 |
| 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°-90° | 3065.6 | 100.0 |
| 0°-180° | 3065.6 | 100.0 |



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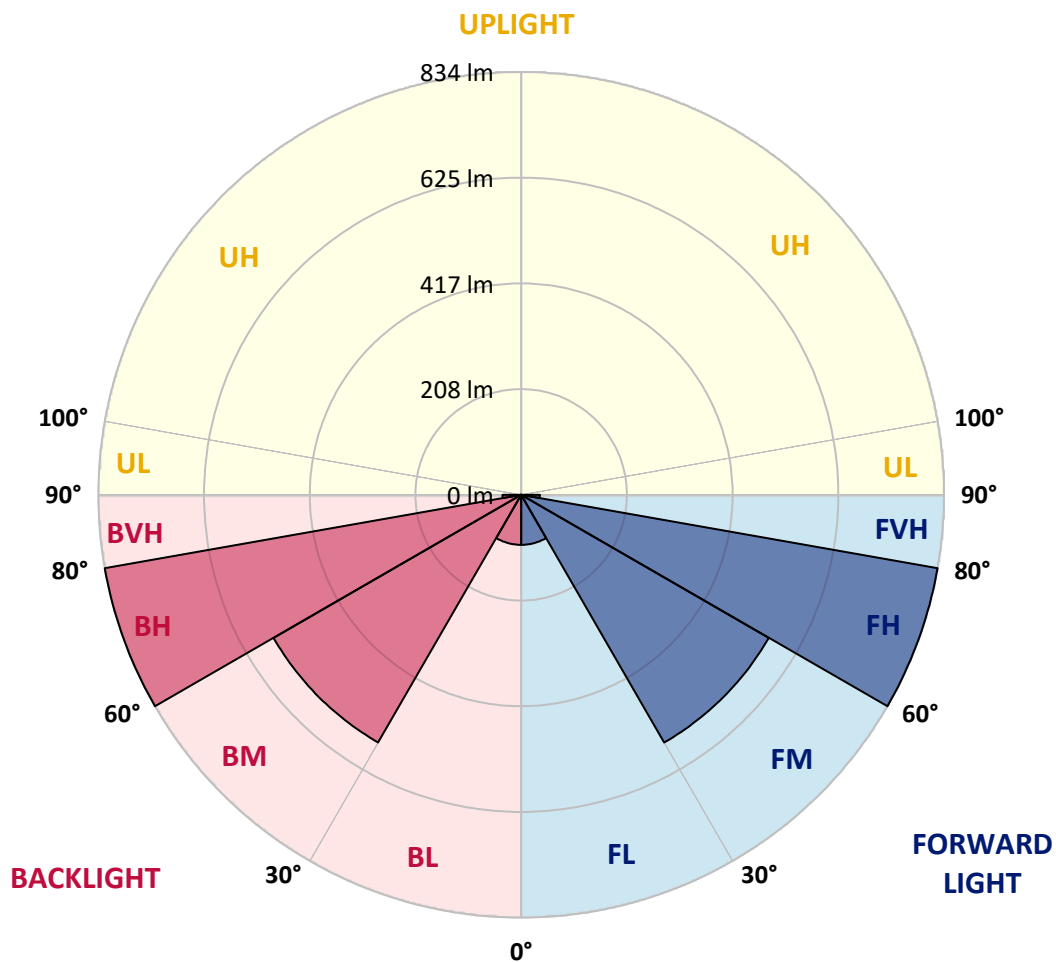
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 98.6 | 3.2 | | | |
| FM | (30°-60°) | 563.8 | 18.4 | | | |
| FH | (60°-80°) | 833.6 | 27.2 | | | G1/1800 |
| FVH | (80°-90°) | 36.8 | 1.2 | | | G1/100 |
| BL | (0°-30°) | 98.6 | 3.2 | B0/110 | | |
| BM | (30°-60°) | 563.8 | 18.4 | B1/1000 | | |
| BH | (60°-80°) | 833.6 | 27.2 | B2/1000 | | G1/1800 |
| BVH | (80°-90°) | 36.8 | 1.2 | | | G1/100 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0° | 176.2 | 176.2 | 176.2 | 176.2 | 176.2 | 176.2 | 176.2 | 176.2 | 176.2 | 176.2 | 176.2 |
| 2.5° | 177.6 | 177.6 | 177.6 | 177.4 | 177.4 | 177.2 | 177.4 | 177.2 | 177.2 | 177.2 | 177.2 |
| 5° | 182.2 | 181.8 | 181.8 | 181.6 | 182.0 | 182.0 | 181.6 | 181.8 | 181.6 | 181.8 | 181.8 |
| 7.5° | 188.0 | 188.0 | 188.0 | 187.8 | 188.2 | 188.0 | 187.8 | 188.0 | 188.0 | 187.8 | 187.8 |
| 10° | 195.2 | 195.4 | 195.2 | 195.2 | 195.8 | 195.6 | 195.8 | 195.8 | 196.0 | 195.8 | 195.8 |
| 12.5° | 203.6 | 203.6 | 203.8 | 204.0 | 204.2 | 204.4 | 205.0 | 204.8 | 205.2 | 204.8 | 204.8 |
| 15° | 213.4 | 213.8 | 213.4 | 213.4 | 214.0 | 214.4 | 214.6 | 214.6 | 215.0 | 214.8 | 214.4 |
| 17.5° | 223.8 | 224.0 | 223.8 | 223.6 | 224.2 | 224.8 | 225.0 | 225.0 | 225.6 | 225.2 | 225.2 |
| 20° | 234.4 | 234.6 | 234.2 | 234.0 | 234.8 | 234.8 | 235.2 | 235.4 | 236.0 | 236.2 | 235.6 |
| 22.5° | 244.2 | 244.4 | 244.2 | 244.0 | 244.8 | 244.8 | 245.4 | 245.6 | 246.4 | 246.2 | 246.2 |
| 25° | 253.8 | 253.8 | 253.6 | 253.6 | 254.4 | 254.6 | 255.2 | 255.6 | 256.4 | 256.4 | 256.4 |
| 27.5° | 262.6 | 262.8 | 262.4 | 262.2 | 263.8 | 264.4 | 264.8 | 265.6 | 266.2 | 266.6 | 266.4 |
| 30° | 272.6 | 272.6 | 272.4 | 273.0 | 274.0 | 274.8 | 275.6 | 276.8 | 278.0 | 277.6 | 277.6 |
| 32.5° | 284.4 | 284.8 | 284.6 | 285.4 | 286.6 | 287.8 | 288.8 | 290.2 | 290.8 | 291.8 | 291.0 |
| 35° | 300.2 | 301.0 | 300.6 | 301.4 | 302.4 | 303.2 | 305.4 | 306.8 | 307.8 | 308.4 | 308.0 |
| 37.5° | 320.0 | 319.6 | 320.4 | 320.6 | 322.6 | 323.6 | 326.2 | 328.2 | 329.8 | 330.4 | 330.0 |
| 40° | 344.6 | 344.0 | 345.0 | 346.0 | 348.6 | 349.6 | 352.6 | 355.6 | 357.8 | 358.6 | 358.2 |
| 42.5° | 374.0 | 374.8 | 376.4 | 377.8 | 381.4 | 384.2 | 387.6 | 392.0 | 394.4 | 395.4 | 394.0 |
| 45° | 412.6 | 411.2 | 414.2 | 417.8 | 419.8 | 426.0 | 431.6 | 436.2 | 440.2 | 441.8 | 440.2 |
| 47.5° | 456.6 | 456.4 | 460.0 | 464.4 | 469.6 | 475.4 | 482.0 | 488.0 | 495.0 | 495.4 | 493.4 |
| 50° | 505.2 | 509.2 | 511.2 | 515.6 | 525.2 | 532.4 | 540.8 | 549.8 | 556.2 | 558.2 | 554.6 |
| 52.5° | 563.8 | 566.8 | 568.0 | 575.4 | 584.2 | 593.0 | 604.8 | 615.6 | 623.0 | 623.8 | 622.0 |
| 55° | 627.4 | 629.8 | 632.0 | 641.0 | 650.6 | 658.4 | 673.4 | 684.0 | 691.4 | 694.2 | 693.0 |
| 57.5° | 693.2 | 695.4 | 698.2 | 708.0 | 717.8 | 728.8 | 743.0 | 755.4 | 764.0 | 769.2 | 767.8 |
| 60° | 766.2 | 766.2 | 772.6 | 782.4 | 790.4 | 803.4 | 818.2 | 832.6 | 842.0 | 850.2 | 848.0 |
| 62.5° | 843.0 | 845.2 | 851.4 | 859.4 | 867.8 | 879.8 | 896.6 | 913.8 | 928.2 | 934.4 | 934.2 |
| 65° | 901.2 | 905.2 | 913.4 | 922.6 | 936.6 | 950.8 | 972.0 | 993.4 | 1010.8 | 1019.8 | 1019.8 |
| 67.5° | 918.2 | 920.8 | 931.0 | 945.0 | 965.2 | 987.8 | 1016.6 | 1046.4 | 1070.2 | 1082.0 | 1074.6 |
| 69° | 904.6 | 908.4 | 917.4 | 932.6 | 956.6 | 984.2 | 1018.4 | 1052.2 | 1079.8 | 1092.0 | 1083.4 |
| 70° | 888.8 | 893.0 | 902.0 | 917.0 | 941.8 | 971.2 | 1005.4 | 1041.8 | 1071.4 | 1081.8 | 1072.0 |
| 72.5° | 824.4 | 829.6 | 836.0 | 849.0 | 871.4 | 899.0 | 929.8 | 961.8 | 990.2 | 998.4 | 986.2 |
| 75° | 714.6 | 715.6 | 718.8 | 728.4 | 736.4 | 756.0 | 782.2 | 807.6 | 829.0 | 833.8 | 820.8 |
| 77.5° | 505.8 | 500.4 | 495.0 | 503.2 | 509.6 | 534.8 | 563.2 | 584.0 | 606.4 | 613.2 | 600.0 |
| 80° | 221.8 | 219.8 | 227.4 | 238.2 | 266.4 | 283.2 | 311.0 | 340.8 | 359.8 | 382.0 | 358.2 |
| 82.5° | 43.8 | 46.2 | 53.4 | 66.0 | 81.4 | 102.4 | 120.6 | 141.2 | 159.8 | 168.2 | 159.6 |
| 85° | 17.8 | 19.4 | 22.0 | 24.6 | 26.4 | 29.6 | 34.8 | 43.2 | 47.6 | 48.2 | 45.8 |
| 87.5° | 7.4 | 8.6 | 11.6 | 13.8 | 14.0 | 13.4 | 13.8 | 14.2 | 11.6 | 9.4 | 11.8 |
| 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: LDRV-5WQ-E01-E

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|
| 0° | 176.2 | 176.2 | 176.2 | 176.2 | 176.2 | 176.2 | 176.2 | 176.2 |
| 2.5° | 177.2 | 177.4 | 177.2 | 177.4 | 177.2 | 177.2 | 177.4 | 177.2 |
| 5° | 181.6 | 181.8 | 181.6 | 181.4 | 181.2 | 181.4 | 181.4 | 181.4 |
| 7.5° | 187.8 | 187.6 | 187.4 | 187.4 | 187.2 | 187.0 | 187.4 | 187.4 |
| 10° | 195.4 | 195.2 | 194.8 | 194.8 | 194.6 | 194.6 | 194.6 | 194.6 |
| 12.5° | 204.6 | 204.0 | 203.8 | 203.2 | 203.0 | 202.8 | 202.8 | 203.0 |
| 15° | 214.2 | 213.6 | 213.4 | 212.4 | 212.4 | 212.2 | 212.2 | 212.2 |
| 17.5° | 224.4 | 223.8 | 223.0 | 223.0 | 222.4 | 222.0 | 222.2 | 221.8 |
| 20° | 234.8 | 234.0 | 233.6 | 233.4 | 232.6 | 232.6 | 232.6 | 232.4 |
| 22.5° | 245.0 | 244.4 | 243.8 | 243.0 | 242.2 | 242.0 | 242.0 | 241.8 |
| 25° | 255.4 | 254.4 | 253.2 | 252.4 | 251.6 | 251.0 | 251.0 | 251.0 |
| 27.5° | 265.8 | 264.6 | 262.8 | 261.8 | 260.6 | 260.0 | 260.0 | 259.8 |
| 30° | 276.8 | 275.4 | 273.8 | 272.4 | 270.8 | 270.2 | 270.0 | 269.6 |
| 32.5° | 290.0 | 288.6 | 287.0 | 285.0 | 283.4 | 282.4 | 282.4 | 281.8 |
| 35° | 306.8 | 305.2 | 304.0 | 301.4 | 299.4 | 297.8 | 298.0 | 298.4 |
| 37.5° | 328.8 | 326.8 | 325.8 | 322.6 | 320.0 | 318.4 | 318.4 | 318.2 |
| 40° | 356.8 | 354.8 | 352.6 | 349.6 | 346.4 | 344.2 | 343.6 | 343.6 |
| 42.5° | 392.4 | 390.6 | 387.6 | 383.4 | 379.6 | 377.2 | 375.2 | 375.4 |
| 45° | 437.0 | 434.8 | 430.6 | 425.4 | 420.8 | 417.4 | 414.6 | 414.6 |
| 47.5° | 491.2 | 486.6 | 480.8 | 476.2 | 468.4 | 463.2 | 461.2 | 460.8 |
| 50° | 553.0 | 544.4 | 537.2 | 530.6 | 522.4 | 517.0 | 514.0 | 513.2 |
| 52.5° | 617.8 | 608.8 | 599.8 | 591.2 | 581.2 | 575.6 | 570.8 | 570.4 |
| 55° | 688.2 | 676.8 | 665.4 | 657.0 | 645.2 | 639.4 | 634.6 | 631.8 |
| 57.5° | 760.0 | 747.2 | 739.0 | 727.0 | 714.6 | 710.4 | 705.8 | 702.4 |
| 60° | 840.8 | 826.8 | 816.0 | 803.4 | 795.4 | 786.4 | 782.0 | 779.4 |
| 62.5° | 923.4 | 910.4 | 896.6 | 884.6 | 873.4 | 867.2 | 861.2 | 858.2 |
| 65° | 1007.4 | 986.0 | 969.6 | 953.0 | 939.8 | 928.6 | 919.2 | 918.0 |
| 67.5° | 1059.0 | 1032.0 | 1004.6 | 980.4 | 961.0 | 945.2 | 935.6 | 932.2 |
| 69° | 1063.2 | 1033.8 | 999.6 | 970.6 | 948.2 | 933.0 | 921.6 | 918.0 |
| 70° | 1051.6 | 1022.0 | 986.0 | 954.8 | 931.6 | 915.0 | 905.6 | 899.6 |
| 72.5° | 966.8 | 940.8 | 906.2 | 875.4 | 854.4 | 835.0 | 825.6 | 823.2 |
| 75° | 797.6 | 770.0 | 738.2 | 723.4 | 708.8 | 696.6 | 690.2 | 689.6 |
| 77.5° | 566.4 | 538.2 | 514.0 | 494.6 | 478.8 | 471.0 | 472.8 | 466.2 |
| 80° | 324.2 | 287.4 | 258.2 | 241.0 | 217.6 | 203.6 | 187.8 | 199.2 |
| 82.5° | 139.4 | 112.6 | 85.8 | 69.8 | 53.2 | 42.2 | 34.8 | 32.4 |
| 85° | 39.0 | 31.8 | 26.6 | 24.4 | 22.0 | 19.6 | 16.6 | 15.4 |
| 87.5° | 13.2 | 12.6 | 11.2 | 11.2 | 10.2 | 8.6 | 6.0 | 5.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)