

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: STREETWORKS

Report Number: P140703

Luminaire Tested: **MEM-F01-LED-E-U-5XQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P140703
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33688)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: MEM-F01-LED-E-U-5XQ-8030
Description: EPIC MODERN MEDIUM DECORATIVE LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (7) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2077.3 lumens
Efficiency: N/A
Efficacy: 80.2 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U0 - G1

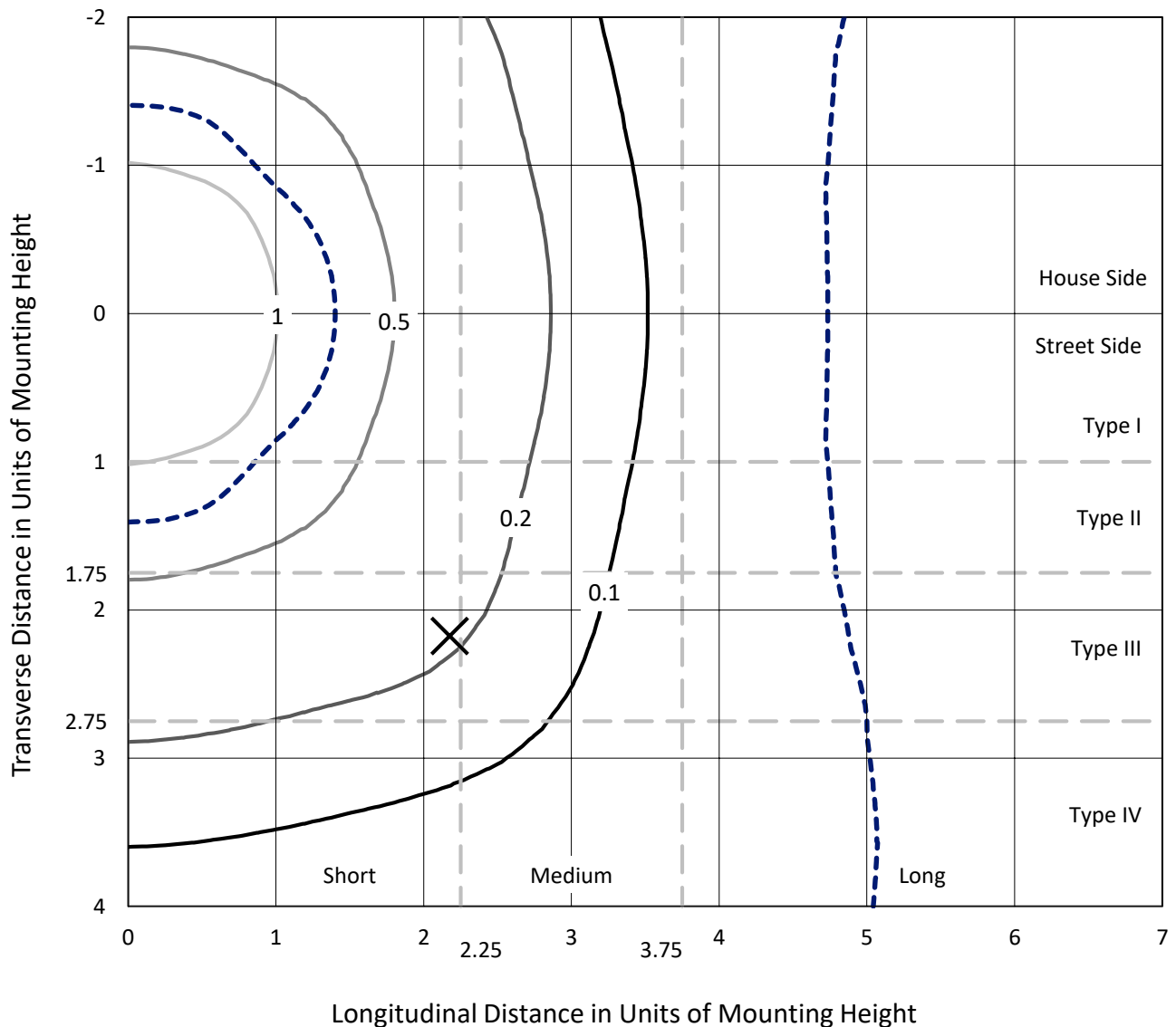
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

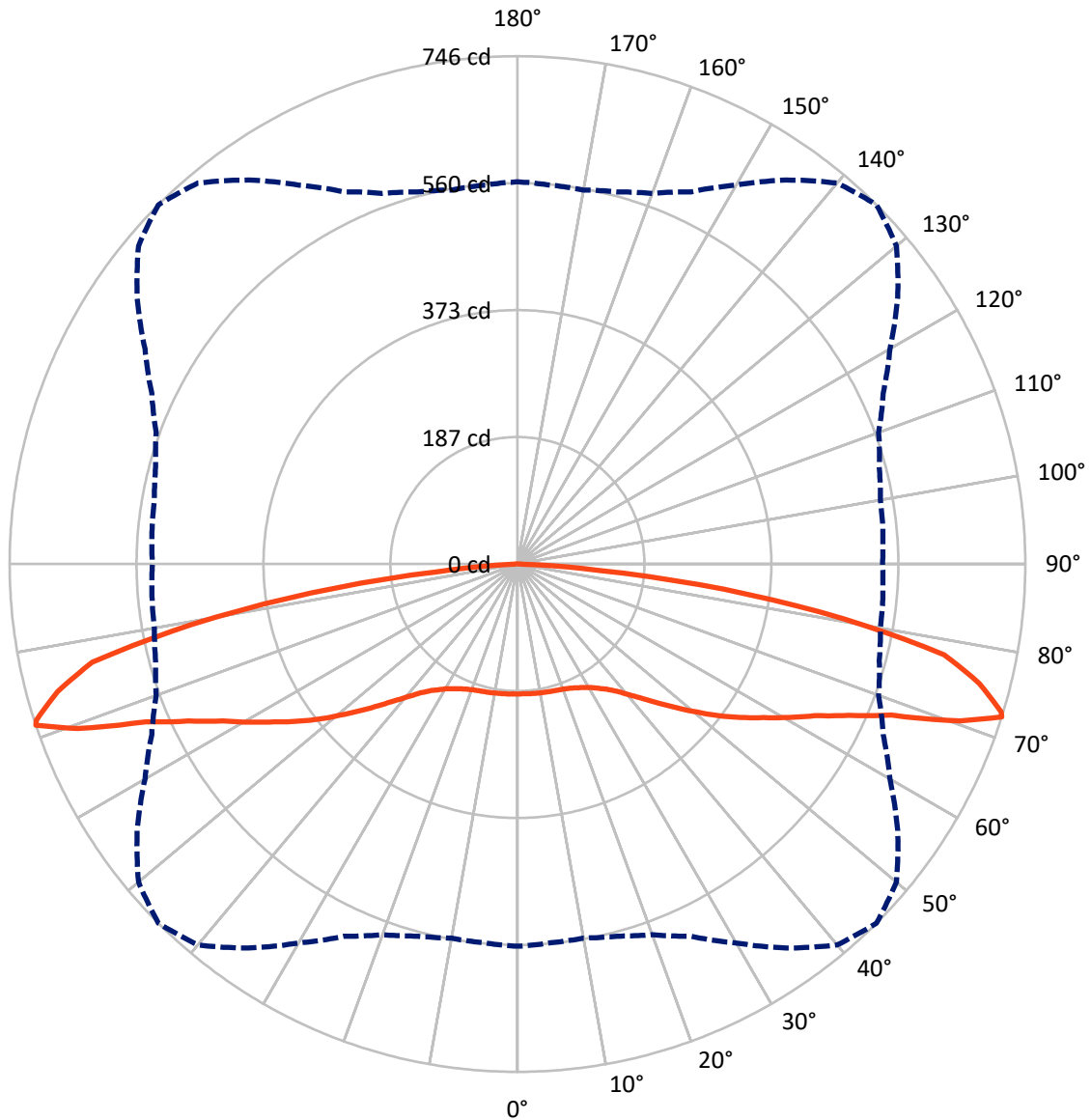
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1038.7 | 0.0 | 1038.7 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 1038.7 | 0.0 | 1038.7 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 2077.3 | 0.0 | 2077.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 18.3 | 0.9 |
| 10°-20° | 55.1 | 2.7 |
| 20°-30° | 93.2 | 4.5 |
| 30°-40° | 141.9 | 6.8 |
| 40°-50° | 224.6 | 10.8 |
| 50°-60° | 344.2 | 16.6 |
| 60°-70° | 505.3 | 24.3 |
| 70°-80° | 573.2 | 27.6 |
| 80°-90° | 121.4 | 5.8 |
| 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° | 2077.3 | 100.0 |
| 0°-180° | 2077.3 | 100.0 |



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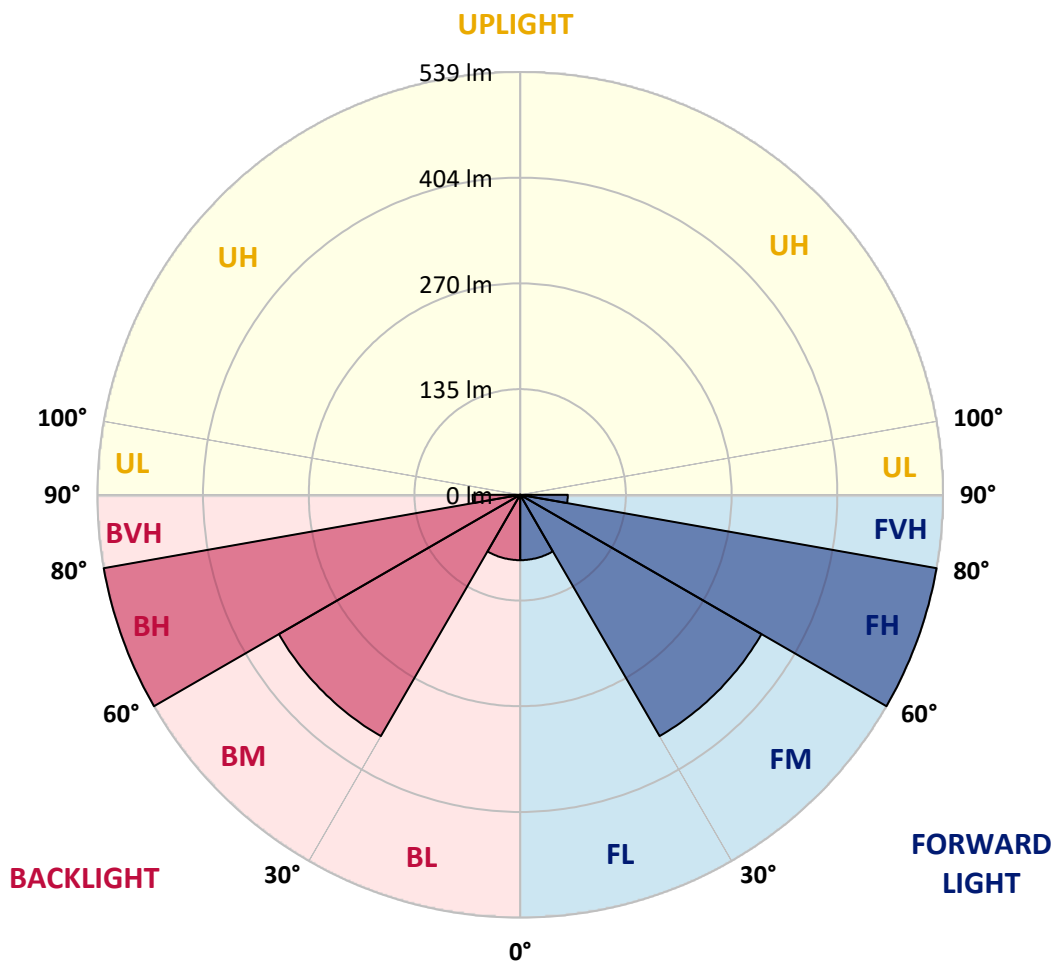
CATALOG NUMBER: MEM-F01-LED-E-U-5XQ-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 83.3 | 4.0 | | | |
| FM (30°-60°) | 355.3 | 17.1 | | | |
| FH (60°-80°) | 539.3 | 26.0 | | | G0/660 |
| FVH (80°-90°) | 60.7 | 2.9 | | | G1/100 |
| BL (0°-30°) | 83.3 | 4.0 | B0/110 | | |
| BM (30°-60°) | 355.3 | 17.1 | B1/1000 | | |
| BH (60°-80°) | 539.3 | 26.0 | B2/1000 | | G0/660 |
| BVH (80°-90°) | 60.7 | 2.9 | | | 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° | 190.9 | 190.9 | 190.9 | 190.9 | 190.9 | 190.9 | 190.9 | 190.9 | 190.9 | 190.9 | 190.9 |
| 2.5° | 191.6 | 191.8 | 191.6 | 191.4 | 191.4 | 191.1 | 191.1 | 191.1 | 191.4 | 190.9 | 190.9 |
| 5° | 192.1 | 192.3 | 192.1 | 191.6 | 191.6 | 191.6 | 191.4 | 191.4 | 191.6 | 191.4 | 191.4 |
| 7.5° | 192.8 | 193.0 | 192.8 | 192.3 | 192.3 | 192.1 | 191.8 | 191.8 | 192.3 | 191.8 | 191.8 |
| 10° | 193.5 | 193.9 | 193.5 | 193.0 | 193.0 | 192.8 | 192.5 | 192.5 | 192.8 | 192.3 | 192.3 |
| 12.5° | 194.6 | 194.6 | 194.4 | 194.2 | 194.2 | 193.9 | 193.7 | 193.5 | 193.2 | 193.0 | 192.8 |
| 15° | 195.6 | 195.8 | 195.3 | 195.1 | 194.9 | 194.6 | 194.4 | 194.4 | 193.9 | 193.7 | 193.7 |
| 17.5° | 196.7 | 196.9 | 196.5 | 196.0 | 196.0 | 195.6 | 195.3 | 195.3 | 194.9 | 194.6 | 194.4 |
| 20° | 197.9 | 198.1 | 197.6 | 197.4 | 197.2 | 196.9 | 196.5 | 196.7 | 196.5 | 196.0 | 196.0 |
| 22.5° | 199.3 | 199.3 | 199.0 | 198.8 | 198.8 | 198.6 | 198.3 | 198.8 | 198.3 | 198.3 | 198.1 |
| 25° | 200.7 | 200.9 | 200.7 | 200.7 | 200.9 | 200.9 | 201.1 | 201.6 | 201.6 | 201.4 | 201.1 |
| 27.5° | 203.7 | 203.7 | 203.7 | 203.7 | 204.4 | 204.4 | 204.6 | 205.3 | 205.5 | 205.5 | 205.5 |
| 30° | 207.6 | 207.9 | 207.6 | 207.6 | 208.3 | 208.6 | 209.3 | 209.9 | 210.4 | 210.4 | 210.6 |
| 32.5° | 213.4 | 213.2 | 213.4 | 213.9 | 214.4 | 214.8 | 215.5 | 216.7 | 217.4 | 217.6 | 217.6 |
| 35° | 220.9 | 221.1 | 220.9 | 221.1 | 222.0 | 222.7 | 223.4 | 224.8 | 225.3 | 225.7 | 226.0 |
| 37.5° | 231.8 | 232.5 | 232.0 | 232.0 | 233.2 | 233.6 | 234.6 | 235.7 | 236.7 | 237.1 | 236.9 |
| 40° | 247.6 | 247.3 | 246.9 | 247.1 | 247.3 | 247.8 | 248.7 | 251.1 | 252.2 | 252.2 | 252.2 |
| 42.5° | 265.7 | 265.9 | 265.2 | 265.0 | 265.2 | 265.7 | 267.1 | 268.9 | 270.8 | 270.3 | 270.6 |
| 45° | 286.4 | 284.7 | 285.2 | 284.7 | 285.0 | 286.6 | 288.9 | 289.8 | 291.7 | 291.7 | 292.2 |
| 47.5° | 306.6 | 305.9 | 305.6 | 305.4 | 306.1 | 307.7 | 310.5 | 313.5 | 315.2 | 316.1 | 316.8 |
| 50° | 329.3 | 328.2 | 327.9 | 328.2 | 328.4 | 328.9 | 334.2 | 337.2 | 341.2 | 341.9 | 341.6 |
| 52.5° | 351.4 | 350.5 | 350.0 | 350.0 | 350.9 | 352.5 | 358.1 | 363.0 | 367.4 | 370.2 | 369.0 |
| 55° | 375.3 | 375.3 | 373.9 | 373.5 | 374.8 | 376.5 | 384.1 | 389.7 | 396.0 | 398.1 | 394.8 |
| 57.5° | 399.9 | 399.7 | 397.6 | 396.9 | 398.1 | 402.2 | 408.8 | 417.3 | 424.1 | 425.9 | 424.1 |
| 60° | 424.1 | 424.1 | 422.9 | 422.5 | 423.6 | 428.7 | 436.6 | 446.1 | 454.3 | 457.8 | 454.7 |
| 62.5° | 451.7 | 451.7 | 448.7 | 450.1 | 451.7 | 455.7 | 465.7 | 478.0 | 488.9 | 490.7 | 487.9 |
| 65° | 483.1 | 484.5 | 482.1 | 481.7 | 483.8 | 491.2 | 502.6 | 518.1 | 530.9 | 535.8 | 531.6 |
| 67.5° | 530.9 | 528.8 | 526.0 | 524.9 | 528.1 | 535.1 | 549.0 | 569.5 | 588.3 | 592.9 | 588.0 |
| 70° | 580.6 | 578.5 | 577.6 | 581.3 | 588.3 | 602.9 | 624.3 | 652.8 | 679.1 | 690.2 | 680.0 |
| 72° | 561.6 | 558.8 | 558.1 | 566.0 | 579.5 | 603.4 | 642.9 | 688.8 | 730.6 | 746.2 | 726.9 |
| 72.5° | 551.8 | 549.5 | 549.3 | 556.7 | 571.3 | 595.5 | 634.3 | 681.6 | 726.5 | 743.4 | 722.7 |
| 75° | 512.3 | 510.0 | 512.3 | 520.7 | 535.3 | 561.3 | 600.8 | 645.2 | 685.6 | 701.1 | 680.9 |
| 77.5° | 457.8 | 453.6 | 455.7 | 467.3 | 483.5 | 511.9 | 553.7 | 606.2 | 645.2 | 641.0 | 611.0 |
| 80° | 365.3 | 356.0 | 366.0 | 369.5 | 388.1 | 407.1 | 447.5 | 471.0 | 484.5 | 485.2 | 463.8 |
| 82.5° | 159.6 | 163.3 | 175.8 | 186.3 | 199.5 | 221.6 | 237.8 | 263.1 | 292.6 | 306.3 | 289.8 |
| 85° | 10.5 | 13.0 | 20.7 | 24.6 | 34.1 | 41.6 | 59.7 | 86.9 | 104.7 | 119.8 | 101.0 |
| 87.5° | 1.9 | 2.6 | 4.6 | 5.6 | 6.0 | 6.7 | 6.7 | 9.3 | 9.8 | 7.9 | 8.8 |
| 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: MEM-F01-LED-E-U-5XQ-8030

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 190.9 | 190.9 | 190.9 | 190.9 | 190.9 | 190.9 | 190.9 | 190.9 |
| 2.5° | 190.9 | 190.9 | 191.1 | 190.9 | 190.9 | 190.9 | 190.7 | 190.7 |
| 5° | 191.1 | 191.1 | 191.4 | 191.4 | 191.1 | 191.1 | 191.1 | 191.1 |
| 7.5° | 191.8 | 191.6 | 191.8 | 191.8 | 191.6 | 191.6 | 191.4 | 191.6 |
| 10° | 192.1 | 192.1 | 192.3 | 192.3 | 192.1 | 192.1 | 192.1 | 192.1 |
| 12.5° | 192.8 | 192.8 | 192.8 | 193.0 | 192.8 | 192.8 | 193.0 | 192.8 |
| 15° | 193.5 | 193.2 | 193.2 | 193.2 | 193.2 | 193.5 | 193.5 | 193.7 |
| 17.5° | 194.2 | 194.2 | 193.9 | 194.2 | 194.2 | 194.4 | 194.4 | 194.4 |
| 20° | 195.6 | 195.3 | 194.9 | 195.3 | 195.3 | 195.3 | 195.3 | 195.6 |
| 22.5° | 197.6 | 197.2 | 196.7 | 196.7 | 196.5 | 196.7 | 196.5 | 196.5 |
| 25° | 200.7 | 200.0 | 199.3 | 199.0 | 198.8 | 198.6 | 198.3 | 198.6 |
| 27.5° | 205.1 | 204.1 | 203.2 | 202.8 | 202.5 | 202.1 | 201.8 | 201.8 |
| 30° | 209.9 | 209.3 | 207.9 | 207.4 | 206.7 | 206.0 | 206.0 | 205.8 |
| 32.5° | 217.4 | 216.5 | 214.8 | 214.1 | 213.0 | 212.3 | 212.0 | 212.0 |
| 35° | 225.0 | 223.9 | 223.2 | 222.3 | 220.9 | 220.2 | 219.9 | 219.9 |
| 37.5° | 236.7 | 235.3 | 234.3 | 233.2 | 232.9 | 232.0 | 232.0 | 232.0 |
| 40° | 251.8 | 250.6 | 249.4 | 248.5 | 247.8 | 247.1 | 246.2 | 246.2 |
| 42.5° | 270.3 | 268.5 | 267.8 | 266.6 | 265.7 | 265.0 | 264.5 | 264.5 |
| 45° | 290.8 | 289.1 | 288.2 | 286.6 | 286.4 | 285.9 | 285.0 | 285.0 |
| 47.5° | 313.8 | 311.4 | 309.6 | 309.1 | 308.0 | 306.8 | 306.3 | 306.6 |
| 50° | 338.8 | 334.9 | 332.3 | 332.3 | 330.9 | 329.3 | 329.6 | 329.3 |
| 52.5° | 364.6 | 360.2 | 357.0 | 354.6 | 353.0 | 352.8 | 353.0 | 352.8 |
| 55° | 390.6 | 386.0 | 382.0 | 379.5 | 377.9 | 376.2 | 376.0 | 376.0 |
| 57.5° | 417.6 | 411.8 | 405.5 | 403.2 | 401.6 | 400.6 | 400.6 | 400.9 |
| 60° | 448.0 | 438.5 | 430.6 | 427.6 | 426.4 | 426.9 | 426.6 | 426.9 |
| 62.5° | 478.9 | 468.0 | 458.7 | 455.2 | 453.6 | 453.3 | 455.2 | 455.9 |
| 65° | 517.9 | 504.4 | 494.0 | 487.5 | 487.5 | 486.8 | 488.9 | 487.9 |
| 67.5° | 568.8 | 549.7 | 537.0 | 526.5 | 526.7 | 527.4 | 530.4 | 530.2 |
| 70° | 655.4 | 621.7 | 598.0 | 580.1 | 573.2 | 568.5 | 567.6 | 567.6 |
| 72° | 682.1 | 631.9 | 592.9 | 564.8 | 550.4 | 541.6 | 539.0 | 536.3 |
| 72.5° | 675.1 | 623.6 | 584.1 | 554.8 | 540.0 | 531.1 | 527.2 | 523.7 |
| 75° | 631.2 | 573.6 | 530.7 | 500.0 | 483.5 | 472.9 | 470.8 | 469.1 |
| 77.5° | 556.9 | 505.8 | 461.5 | 429.7 | 413.2 | 399.5 | 393.9 | 393.4 |
| 80° | 429.4 | 383.4 | 349.3 | 324.4 | 309.6 | 299.4 | 299.8 | 296.6 |
| 82.5° | 253.4 | 214.6 | 185.3 | 152.1 | 130.3 | 117.7 | 109.9 | 108.9 |
| 85° | 74.6 | 50.6 | 32.3 | 23.2 | 16.7 | 12.5 | 9.3 | 8.4 |
| 87.5° | 6.7 | 5.3 | 4.4 | 3.7 | 3.5 | 3.0 | 1.9 | 1.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)