

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: INVUE

Report Number: P149805

Luminaire Tested: **VXM-F01-LED-E1-SL2**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P149805
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33678)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: VXM-F01-LED-E1-SL2
Description: VISION SITE MEDIUM LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ SPILL LIGHT CONTROL
Light Source: (7) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2522.1 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B1 - U0 - G1

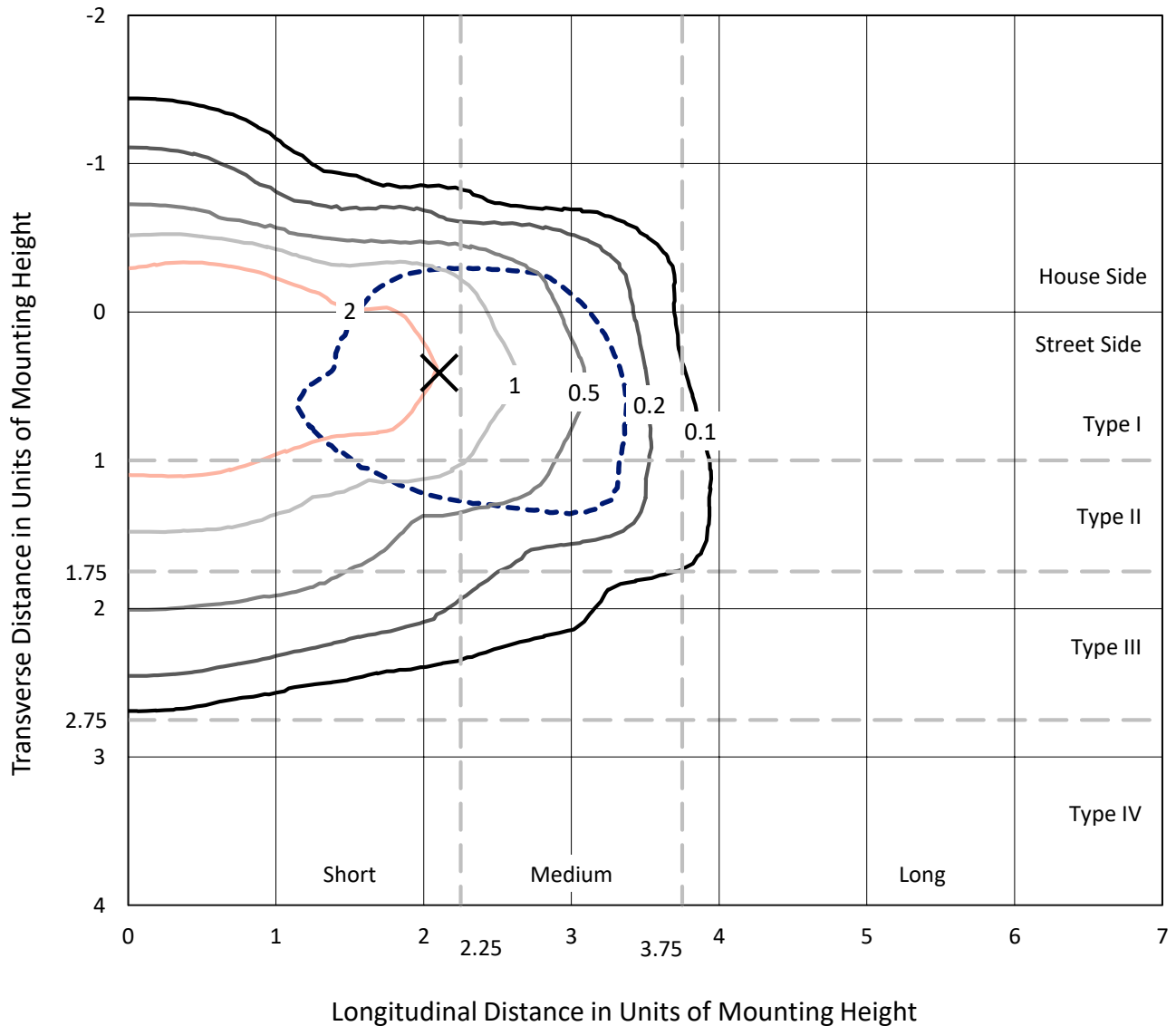
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

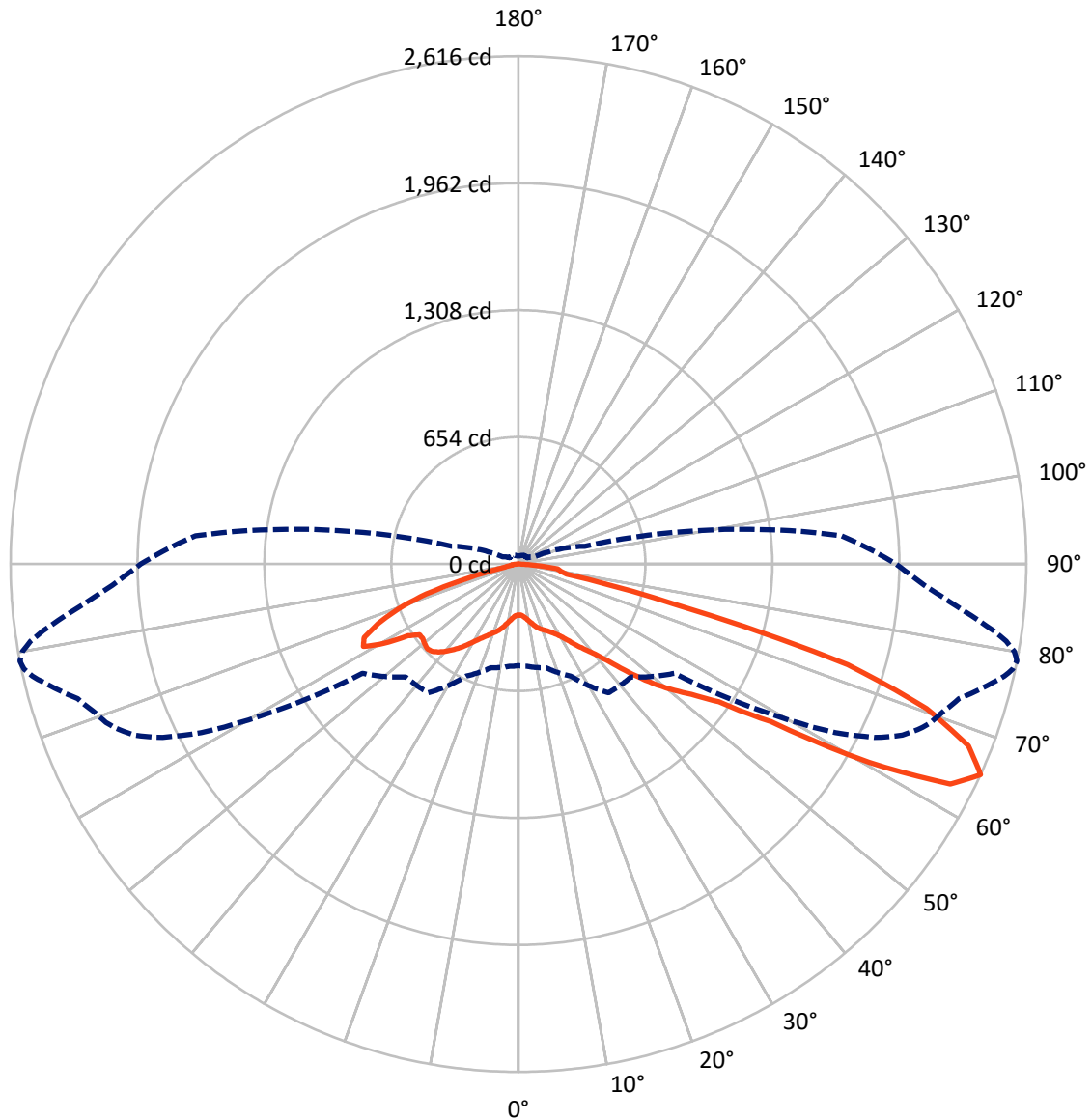
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type II - Short - Non-Cutoff

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CATALOG NUMBER: VXM-F01-LED-E1-SL2

Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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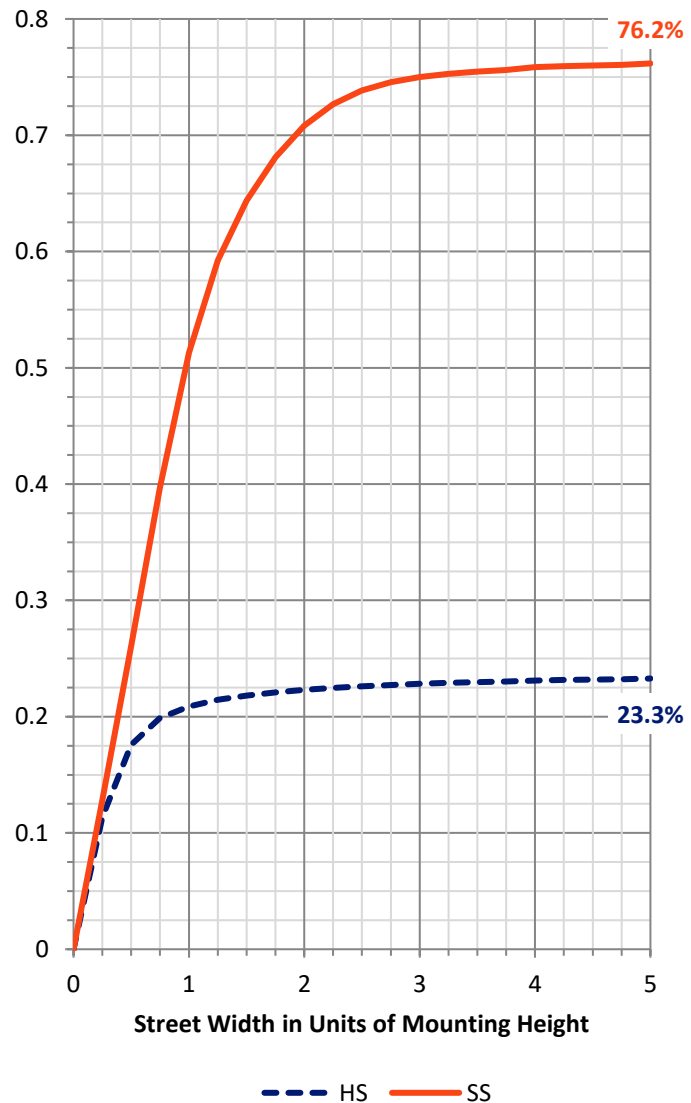
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 596.2 | 0.0 | 596.2 |
| | % Fixture | 23.6 | 0.0 | 23.6 |
| Street Side | Lumens | 1925.8 | 0.0 | 1925.8 |
| | % Fixture | 76.4 | 0.0 | 76.4 |
| Total | Lumens | 2522.1 | 0.0 | 2522.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 26.1 | 1.0 |
| 10°-20° | 85.3 | 3.4 |
| 20°-30° | 147.4 | 5.8 |
| 30°-40° | 244.0 | 9.7 |
| 40°-50° | 413.8 | 16.4 |
| 50°-60° | 549.7 | 21.8 |
| 60°-70° | 710.1 | 28.2 |
| 70°-80° | 297.8 | 11.8 |
| 80°-90° | 47.8 | 1.9 |
| 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° | 2522.1 | 100.0 |
| 0°-180° | 2522.1 | 100.0 |



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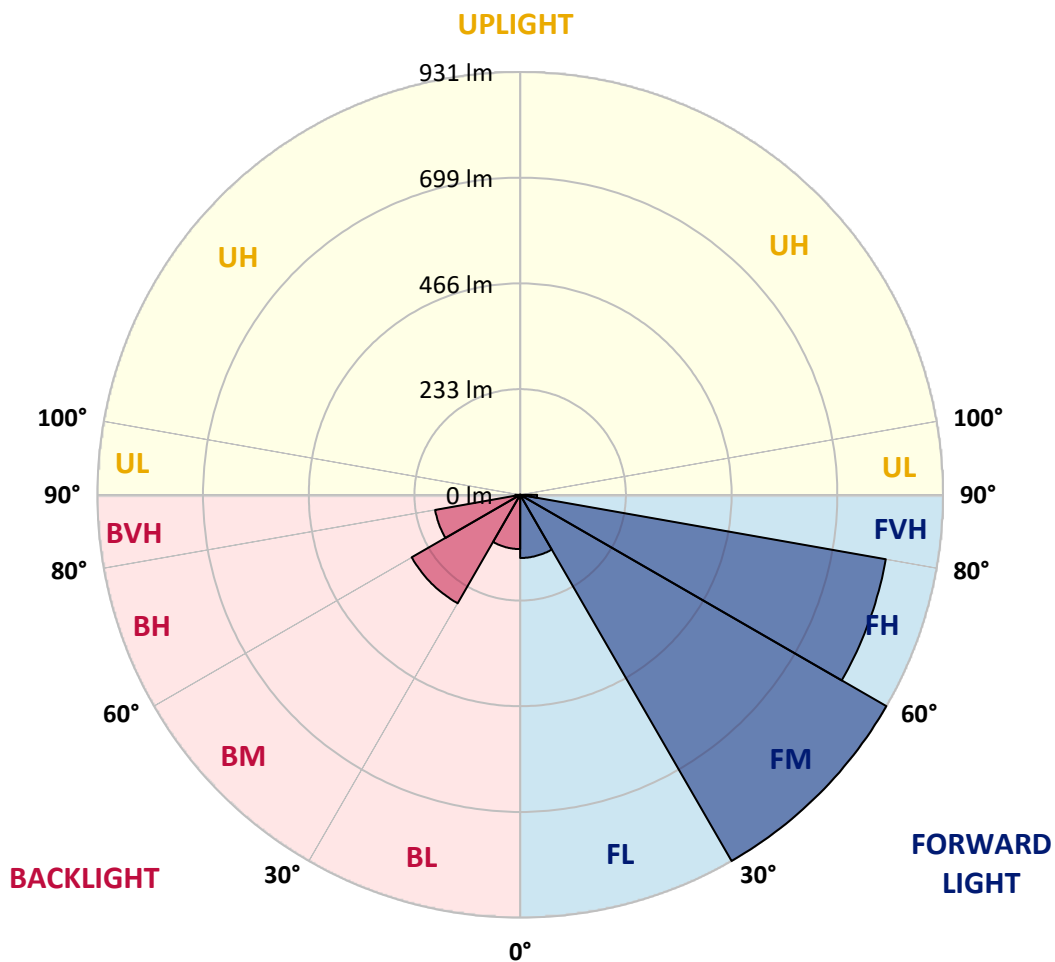
CATALOG NUMBER: VXM-F01-LED-E1-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 139.2 | 5.5 | | | |
| FM (30°-60°) | 931.5 | 36.9 | | | |
| FH (60°-80°) | 817.8 | 32.4 | | | G1/1800 |
| FVH (80°-90°) | 37.4 | 1.5 | | | G1/100 |
| BL (0°-30°) | 119.6 | 4.7 | B1/500 | | |
| BM (30°-60°) | 276.0 | 10.9 | B1/1000 | | |
| BH (60°-80°) | 190.2 | 7.5 | B1/500 | | G1/500 |
| BVH (80°-90°) | 10.4 | 0.4 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|--------|
| 0° | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 |
| 2.5° | 261.7 | 262.5 | 262.0 | 262.5 | 263.1 | 263.3 | 263.9 | 263.6 | 263.6 | 263.9 | 263.3 |
| 5° | 261.7 | 261.7 | 262.5 | 263.9 | 264.4 | 266.1 | 268.0 | 267.7 | 268.0 | 267.7 | 268.3 |
| 7.5° | 267.2 | 266.9 | 267.7 | 269.4 | 269.9 | 272.4 | 275.7 | 276.3 | 276.8 | 276.8 | 277.7 |
| 10° | 276.8 | 276.6 | 277.4 | 278.2 | 279.0 | 281.0 | 285.6 | 287.6 | 287.8 | 288.1 | 289.2 |
| 12.5° | 288.9 | 288.7 | 287.6 | 287.6 | 287.3 | 290.9 | 297.2 | 300.8 | 301.3 | 302.4 | 303.2 |
| 15° | 297.5 | 296.6 | 295.0 | 293.9 | 295.3 | 301.0 | 310.4 | 314.5 | 315.1 | 315.9 | 318.1 |
| 17.5° | 305.7 | 304.9 | 301.3 | 298.6 | 300.5 | 309.8 | 322.5 | 326.9 | 328.0 | 328.8 | 331.3 |
| 20° | 317.3 | 316.7 | 311.5 | 304.9 | 304.3 | 316.5 | 331.9 | 337.6 | 338.5 | 339.6 | 342.0 |
| 22.5° | 334.9 | 332.4 | 326.4 | 314.0 | 307.9 | 320.3 | 338.5 | 346.4 | 347.5 | 348.6 | 351.9 |
| 25° | 356.9 | 355.8 | 345.3 | 326.4 | 313.7 | 324.2 | 345.6 | 355.5 | 357.2 | 358.6 | 363.0 |
| 27.5° | 379.7 | 378.1 | 366.8 | 342.0 | 323.9 | 331.9 | 356.9 | 368.2 | 370.4 | 372.6 | 376.7 |
| 30° | 400.1 | 399.6 | 390.2 | 363.2 | 340.4 | 346.4 | 375.1 | 388.8 | 391.3 | 394.1 | 397.9 |
| 32.5° | 448.0 | 448.3 | 438.6 | 411.1 | 380.3 | 372.9 | 401.2 | 421.8 | 422.9 | 426.2 | 433.1 |
| 35° | 539.6 | 540.7 | 537.1 | 515.4 | 480.7 | 450.2 | 452.9 | 473.3 | 474.4 | 477.2 | 483.8 |
| 37.5° | 601.0 | 603.2 | 614.2 | 621.1 | 603.5 | 589.4 | 554.5 | 546.5 | 547.3 | 545.7 | 544.3 |
| 40° | 634.8 | 638.1 | 667.0 | 702.8 | 722.1 | 722.3 | 707.2 | 672.0 | 658.5 | 654.6 | 638.1 |
| 42.5° | 654.1 | 659.6 | 700.6 | 761.7 | 817.0 | 855.0 | 864.3 | 825.2 | 815.3 | 797.7 | 766.1 |
| 45° | 666.7 | 673.4 | 721.8 | 805.4 | 886.9 | 951.6 | 1000.3 | 982.9 | 976.3 | 965.6 | 936.4 |
| 47.5° | 664.5 | 669.8 | 720.1 | 820.3 | 923.5 | 1015.4 | 1101.8 | 1119.7 | 1111.7 | 1109.0 | 1089.1 |
| 50° | 624.4 | 629.0 | 680.2 | 783.4 | 903.4 | 1039.6 | 1166.2 | 1216.8 | 1216.8 | 1222.1 | 1216.0 |
| 52.5° | 581.4 | 585.3 | 631.8 | 724.5 | 838.5 | 1015.9 | 1202.0 | 1285.9 | 1296.9 | 1306.0 | 1320.3 |
| 55° | 565.2 | 569.9 | 605.1 | 684.4 | 783.1 | 948.3 | 1214.1 | 1337.6 | 1358.0 | 1373.4 | 1405.9 |
| 57.5° | 572.9 | 577.6 | 602.6 | 662.6 | 750.7 | 879.2 | 1214.6 | 1407.2 | 1446.6 | 1478.2 | 1544.0 |
| 60° | 606.2 | 610.6 | 631.5 | 682.7 | 742.1 | 839.3 | 1191.2 | 1518.1 | 1580.9 | 1640.3 | 1749.8 |
| 62.5° | 590.8 | 596.3 | 626.8 | 716.0 | 805.7 | 809.0 | 1106.8 | 1604.0 | 1705.0 | 1792.8 | 1967.0 |
| 65° | 523.4 | 529.2 | 553.1 | 636.5 | 809.6 | 822.2 | 981.5 | 1605.6 | 1731.1 | 1849.7 | 2037.7 |
| 67.5° | 397.4 | 399.6 | 418.5 | 485.4 | 647.5 | 836.8 | 852.8 | 1415.5 | 1534.9 | 1667.3 | 1861.3 |
| 70° | 203.1 | 206.9 | 212.4 | 268.0 | 416.9 | 691.5 | 732.8 | 1043.2 | 1195.4 | 1332.1 | 1565.2 |
| 72.5° | 70.4 | 71.8 | 77.3 | 102.4 | 203.1 | 453.8 | 641.4 | 714.9 | 806.8 | 934.8 | 1204.7 |
| 75° | 42.4 | 42.4 | 44.3 | 51.7 | 92.7 | 236.4 | 570.7 | 583.9 | 596.3 | 639.2 | 815.9 |
| 77.5° | 33.6 | 34.1 | 34.1 | 35.5 | 51.5 | 121.4 | 433.4 | 542.9 | 544.6 | 548.7 | 578.4 |
| 80° | 23.9 | 25.0 | 27.2 | 28.3 | 33.3 | 66.6 | 243.3 | 476.6 | 509.1 | 524.8 | 546.5 |
| 82.5° | 17.9 | 19.0 | 23.1 | 24.5 | 25.9 | 37.1 | 109.2 | 328.8 | 388.0 | 419.4 | 495.9 |
| 85° | 8.0 | 9.4 | 15.7 | 17.3 | 18.2 | 19.8 | 51.2 | 93.6 | 107.6 | 120.8 | 159.3 |
| 87.5° | 1.4 | 1.4 | 2.5 | 3.6 | 5.2 | 5.0 | 11.3 | 16.0 | 16.2 | 19.0 | 21.2 |
| 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: VXM-F01-LED-E1-SL2

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 |
| 2.5° | 263.3 | 263.3 | 263.3 | 263.1 | 263.3 | 263.3 | 263.3 | 263.3 | 263.6 | 263.6 | 263.6 |
| 5° | 269.1 | 268.6 | 268.8 | 268.8 | 268.8 | 268.6 | 269.1 | 268.8 | 269.1 | 269.9 | 269.7 |
| 7.5° | 277.7 | 278.2 | 278.5 | 278.8 | 278.8 | 278.8 | 279.0 | 279.6 | 279.6 | 280.4 | 280.1 |
| 10° | 290.3 | 290.0 | 290.3 | 291.1 | 292.0 | 292.2 | 293.1 | 292.8 | 293.3 | 294.4 | 295.5 |
| 12.5° | 303.8 | 304.3 | 305.2 | 306.0 | 307.4 | 307.6 | 308.5 | 308.7 | 310.4 | 310.4 | 311.5 |
| 15° | 318.9 | 319.2 | 320.9 | 321.1 | 322.8 | 323.3 | 324.7 | 325.3 | 327.2 | 327.5 | 328.6 |
| 17.5° | 332.7 | 333.2 | 334.1 | 334.9 | 336.8 | 337.6 | 338.7 | 339.8 | 341.5 | 342.0 | 344.0 |
| 20° | 343.7 | 344.8 | 345.1 | 346.7 | 348.4 | 349.5 | 350.6 | 351.7 | 353.3 | 354.2 | 356.1 |
| 22.5° | 353.6 | 354.7 | 355.5 | 356.9 | 358.0 | 359.7 | 360.2 | 362.1 | 363.8 | 365.2 | 366.8 |
| 25° | 364.3 | 366.0 | 366.8 | 369.3 | 370.1 | 371.8 | 373.1 | 375.1 | 377.3 | 378.9 | 381.1 |
| 27.5° | 379.5 | 381.9 | 383.0 | 385.8 | 387.7 | 388.5 | 390.7 | 393.5 | 395.4 | 397.4 | 399.6 |
| 30° | 400.4 | 405.1 | 405.9 | 407.8 | 411.4 | 411.9 | 414.7 | 416.9 | 419.9 | 421.8 | 423.8 |
| 32.5° | 432.9 | 438.6 | 439.2 | 441.4 | 444.4 | 445.5 | 447.7 | 450.2 | 454.9 | 455.7 | 458.7 |
| 35° | 482.7 | 485.1 | 487.3 | 488.2 | 490.6 | 492.0 | 493.7 | 496.4 | 501.1 | 500.5 | 503.8 |
| 37.5° | 542.4 | 543.2 | 543.5 | 540.7 | 541.3 | 538.8 | 541.8 | 542.4 | 544.0 | 545.4 | 548.7 |
| 40° | 627.7 | 619.1 | 618.0 | 611.4 | 604.8 | 601.3 | 599.9 | 594.4 | 595.8 | 596.3 | 599.1 |
| 42.5° | 752.3 | 735.8 | 722.1 | 712.7 | 696.5 | 688.5 | 677.8 | 669.2 | 662.6 | 665.1 | 666.2 |
| 45° | 910.3 | 886.6 | 864.6 | 836.0 | 814.8 | 799.7 | 780.7 | 763.6 | 755.9 | 752.3 | 756.7 |
| 47.5° | 1068.0 | 1047.0 | 1021.2 | 991.7 | 958.2 | 933.1 | 901.5 | 873.7 | 854.4 | 847.3 | 851.1 |
| 50° | 1204.2 | 1184.9 | 1165.4 | 1148.0 | 1109.0 | 1081.7 | 1038.5 | 1002.5 | 972.2 | 956.8 | 952.7 |
| 52.5° | 1317.3 | 1307.1 | 1296.6 | 1282.0 | 1250.7 | 1223.4 | 1189.0 | 1153.5 | 1113.4 | 1082.0 | 1071.3 |
| 55° | 1418.3 | 1424.3 | 1419.1 | 1419.4 | 1407.0 | 1389.6 | 1360.5 | 1334.0 | 1306.0 | 1270.5 | 1255.6 |
| 57.5° | 1565.5 | 1601.2 | 1608.4 | 1626.3 | 1635.1 | 1644.4 | 1652.7 | 1637.0 | 1629.9 | 1603.4 | 1603.7 |
| 60° | 1797.4 | 1849.7 | 1895.1 | 1936.4 | 1970.3 | 2003.3 | 2037.9 | 2053.4 | 2070.4 | 2078.4 | 2105.6 |
| 62.5° | 2044.3 | 2094.1 | 2161.8 | 2217.1 | 2248.2 | 2291.1 | 2328.8 | 2353.3 | 2383.3 | 2415.2 | 2456.8 |
| 65° | 2105.4 | 2165.4 | 2208.0 | 2244.9 | 2275.7 | 2298.5 | 2319.2 | 2348.3 | 2373.4 | 2424.0 | 2473.0 |
| 67.5° | 1948.8 | 1996.7 | 2035.7 | 2072.1 | 2096.0 | 2115.3 | 2133.7 | 2153.0 | 2195.9 | 2241.9 | 2291.1 |
| 70° | 1672.8 | 1730.6 | 1795.2 | 1842.3 | 1854.1 | 1870.6 | 1888.3 | 1913.3 | 1934.8 | 1982.9 | 2020.3 |
| 72.5° | 1344.0 | 1427.1 | 1481.8 | 1547.0 | 1561.1 | 1586.1 | 1596.0 | 1615.6 | 1619.4 | 1645.5 | 1655.5 |
| 75° | 936.7 | 1031.9 | 1086.9 | 1134.8 | 1144.2 | 1130.4 | 1135.9 | 1066.9 | 1049.2 | 1034.9 | 1023.4 |
| 77.5° | 618.3 | 643.9 | 652.7 | 645.0 | 608.1 | 579.2 | 548.4 | 518.2 | 521.5 | 497.0 | 454.0 |
| 80° | 549.8 | 555.6 | 547.6 | 539.9 | 518.7 | 488.4 | 460.6 | 432.3 | 418.3 | 403.4 | 381.4 |
| 82.5° | 534.9 | 557.2 | 559.7 | 550.3 | 533.6 | 500.5 | 467.0 | 424.9 | 389.1 | 356.1 | 322.5 |
| 85° | 178.9 | 217.7 | 235.0 | 251.2 | 256.2 | 262.0 | 242.2 | 215.2 | 182.7 | 161.0 | 126.0 |
| 87.5° | 22.8 | 28.3 | 32.7 | 28.1 | 32.7 | 38.5 | 27.8 | 31.1 | 31.4 | 19.5 | 14.6 |
| 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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CANDELA DISTRIBUTION (continued):

| | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 |
| 2.5° | 263.9 | 263.6 | 263.6 | 263.6 | 263.3 | 263.6 | 263.6 | 263.6 | 263.6 | 263.6 | 263.3 |
| 5° | 269.9 | 269.9 | 270.8 | 271.0 | 270.5 | 270.2 | 270.5 | 270.8 | 270.8 | 270.5 | 270.8 |
| 7.5° | 281.2 | 281.5 | 282.1 | 282.9 | 282.3 | 282.6 | 282.9 | 282.6 | 283.4 | 283.7 | 283.4 |
| 10° | 295.5 | 296.1 | 297.5 | 297.7 | 297.5 | 298.6 | 298.8 | 298.3 | 298.8 | 298.8 | 299.9 |
| 12.5° | 312.0 | 312.6 | 314.2 | 314.8 | 315.4 | 315.6 | 316.5 | 316.7 | 317.6 | 318.1 | 318.9 |
| 15° | 329.9 | 330.5 | 331.6 | 333.5 | 334.1 | 334.6 | 335.2 | 336.8 | 337.1 | 338.2 | 339.0 |
| 17.5° | 345.1 | 345.9 | 347.5 | 348.9 | 349.7 | 351.1 | 351.7 | 353.6 | 354.2 | 355.8 | 357.2 |
| 20° | 357.2 | 358.6 | 359.9 | 361.6 | 363.0 | 364.6 | 365.2 | 367.1 | 368.2 | 369.0 | 370.7 |
| 22.5° | 368.2 | 369.8 | 371.8 | 373.7 | 374.8 | 377.0 | 377.8 | 378.6 | 381.1 | 382.2 | 383.9 |
| 25° | 382.5 | 384.1 | 386.3 | 388.8 | 389.9 | 392.7 | 393.5 | 394.9 | 397.6 | 398.7 | 401.2 |
| 27.5° | 402.0 | 404.2 | 405.9 | 408.4 | 409.7 | 411.7 | 413.6 | 415.2 | 417.7 | 419.4 | 422.1 |
| 30° | 426.5 | 428.2 | 430.9 | 432.9 | 435.1 | 437.8 | 440.0 | 441.7 | 443.0 | 445.5 | 448.5 |
| 32.5° | 462.6 | 462.8 | 463.7 | 468.3 | 470.5 | 472.8 | 475.8 | 477.2 | 479.4 | 481.8 | 485.1 |
| 35° | 507.4 | 509.9 | 511.8 | 514.0 | 516.5 | 519.0 | 520.1 | 524.2 | 526.1 | 529.4 | 532.7 |
| 37.5° | 552.0 | 552.3 | 556.7 | 558.1 | 560.3 | 562.7 | 566.6 | 570.7 | 575.7 | 579.0 | 584.2 |
| 40° | 599.9 | 602.1 | 607.6 | 610.3 | 613.1 | 619.1 | 622.2 | 628.8 | 637.0 | 641.7 | 650.5 |
| 42.5° | 669.2 | 672.5 | 682.4 | 686.8 | 693.4 | 703.3 | 709.7 | 718.8 | 722.1 | 733.3 | 737.5 |
| 45° | 760.0 | 770.2 | 784.5 | 793.9 | 805.7 | 816.4 | 821.9 | 826.1 | 831.0 | 839.8 | 838.7 |
| 47.5° | 858.3 | 871.5 | 887.4 | 906.7 | 914.4 | 927.1 | 934.2 | 942.2 | 937.8 | 935.6 | 933.4 |
| 50° | 959.0 | 974.4 | 995.6 | 1012.9 | 1024.8 | 1032.5 | 1038.5 | 1037.4 | 1028.1 | 1023.1 | 1009.3 |
| 52.5° | 1071.0 | 1080.1 | 1100.1 | 1115.0 | 1122.2 | 1123.8 | 1122.4 | 1114.2 | 1105.4 | 1089.7 | 1073.5 |
| 55° | 1242.7 | 1238.6 | 1246.5 | 1253.4 | 1251.2 | 1258.9 | 1239.1 | 1231.4 | 1209.7 | 1189.3 | 1167.6 |
| 57.5° | 1591.6 | 1597.1 | 1552.5 | 1532.4 | 1528.9 | 1536.0 | 1501.1 | 1496.7 | 1444.1 | 1437.5 | 1400.9 |
| 60° | 2101.8 | 2128.8 | 2093.8 | 2074.3 | 2021.4 | 2004.1 | 1965.0 | 1948.8 | 1898.4 | 1857.7 | 1806.2 |
| 62.5° | 2485.4 | 2509.9 | 2524.5 | 2496.7 | 2465.8 | 2420.4 | 2361.3 | 2295.8 | 2242.4 | 2179.9 | 2125.5 |
| 65° | 2520.1 | 2569.6 | 2603.2 | 2616.1 | 2594.3 | 2544.5 | 2471.6 | 2389.1 | 2307.3 | 2228.9 | 2160.1 |
| 67.5° | 2358.0 | 2402.3 | 2454.3 | 2500.8 | 2503.5 | 2471.1 | 2408.9 | 2325.0 | 2230.6 | 2133.7 | 2053.1 |
| 70° | 2079.5 | 2135.1 | 2180.5 | 2229.5 | 2263.6 | 2244.9 | 2213.8 | 2136.7 | 2038.8 | 1963.4 | 1870.6 |
| 72.5° | 1691.2 | 1714.6 | 1725.6 | 1773.8 | 1774.3 | 1740.2 | 1718.2 | 1675.5 | 1596.6 | 1543.2 | 1472.5 |
| 75° | 987.6 | 936.1 | 881.4 | 833.8 | 795.0 | 778.7 | 706.6 | 694.5 | 646.1 | 616.1 | 572.1 |
| 77.5° | 407.3 | 361.3 | 302.1 | 252.9 | 204.2 | 182.2 | 150.2 | 136.2 | 118.1 | 110.1 | 104.8 |
| 80° | 349.2 | 305.7 | 261.1 | 218.5 | 180.5 | 142.5 | 110.9 | 86.1 | 67.7 | 57.5 | 53.4 |
| 82.5° | 285.1 | 258.9 | 227.8 | 204.7 | 175.0 | 146.7 | 123.8 | 96.0 | 71.8 | 52.8 | 40.5 |
| 85° | 102.9 | 84.5 | 68.0 | 62.5 | 49.8 | 41.0 | 34.4 | 29.4 | 24.2 | 19.3 | 17.1 |
| 87.5° | 11.6 | 11.0 | 6.3 | 6.1 | 6.9 | 5.0 | 5.8 | 5.2 | 4.4 | 3.9 | 4.1 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P149805

CATALOG NUMBER: VXM-F01-LED-E1-SL2

CANDELA DISTRIBUTION (continued):

| | 87° | 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° |
|-------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|
| 0° | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 | 262.5 |
| 2.5° | 263.3 | 263.3 | 263.6 | 263.6 | 263.9 | 264.2 | 264.7 | 264.4 | 264.4 | 264.7 | 264.7 |
| 5° | 270.8 | 271.6 | 271.3 | 271.3 | 271.3 | 271.6 | 271.9 | 270.8 | 269.7 | 268.6 | 268.0 |
| 7.5° | 283.7 | 284.3 | 284.8 | 284.3 | 284.8 | 284.5 | 284.0 | 281.0 | 277.4 | 273.0 | 269.9 |
| 10° | 300.5 | 300.5 | 301.0 | 300.8 | 301.9 | 301.0 | 299.4 | 292.5 | 284.8 | 275.5 | 268.6 |
| 12.5° | 318.7 | 320.6 | 319.8 | 320.0 | 322.2 | 320.0 | 316.2 | 306.0 | 292.2 | 277.1 | 265.0 |
| 15° | 340.1 | 340.9 | 341.5 | 340.7 | 342.0 | 340.1 | 333.2 | 317.0 | 296.9 | 275.7 | 257.8 |
| 17.5° | 357.7 | 358.0 | 358.3 | 358.8 | 360.8 | 358.6 | 346.7 | 324.7 | 298.0 | 269.4 | 245.7 |
| 20° | 371.5 | 372.9 | 374.0 | 374.0 | 376.7 | 373.4 | 357.7 | 328.6 | 294.4 | 258.9 | 230.3 |
| 22.5° | 385.8 | 386.9 | 388.3 | 388.5 | 392.1 | 388.8 | 366.8 | 327.7 | 285.1 | 244.1 | 212.4 |
| 25° | 403.4 | 404.5 | 405.6 | 407.0 | 411.9 | 407.3 | 375.9 | 324.4 | 272.1 | 226.5 | 193.2 |
| 27.5° | 423.8 | 426.2 | 427.1 | 429.3 | 435.1 | 427.9 | 383.6 | 319.5 | 257.8 | 206.1 | 172.8 |
| 30° | 451.0 | 454.0 | 455.1 | 458.2 | 466.1 | 450.5 | 388.0 | 310.9 | 239.7 | 185.5 | 151.1 |
| 32.5° | 487.6 | 491.7 | 495.0 | 498.3 | 507.4 | 473.0 | 388.5 | 298.6 | 218.5 | 162.4 | 130.2 |
| 35° | 535.5 | 541.8 | 544.3 | 546.5 | 555.0 | 497.5 | 386.1 | 280.1 | 192.6 | 138.7 | 113.6 |
| 37.5° | 589.1 | 595.5 | 597.1 | 598.2 | 599.9 | 518.4 | 380.0 | 252.1 | 163.5 | 118.1 | 100.4 |
| 40° | 655.2 | 660.7 | 662.9 | 661.2 | 652.4 | 534.7 | 366.5 | 219.3 | 135.1 | 104.0 | 92.2 |
| 42.5° | 735.8 | 744.1 | 744.9 | 737.5 | 708.3 | 543.7 | 339.6 | 180.8 | 112.8 | 93.8 | 85.9 |
| 45° | 835.7 | 835.2 | 830.5 | 825.2 | 769.1 | 540.2 | 301.9 | 147.2 | 98.8 | 85.9 | 80.1 |
| 47.5° | 925.4 | 916.1 | 908.9 | 893.5 | 822.8 | 519.3 | 253.2 | 121.9 | 90.3 | 79.8 | 75.1 |
| 50° | 998.9 | 981.8 | 966.7 | 949.9 | 862.7 | 482.1 | 204.7 | 103.5 | 82.3 | 74.6 | 70.4 |
| 52.5° | 1056.9 | 1036.3 | 1018.7 | 1002.2 | 901.2 | 440.8 | 167.9 | 90.0 | 74.6 | 69.3 | 65.2 |
| 55° | 1147.8 | 1127.1 | 1099.0 | 1080.9 | 960.1 | 402.9 | 143.9 | 79.3 | 67.1 | 63.8 | 59.7 |
| 57.5° | 1377.5 | 1359.4 | 1325.8 | 1278.7 | 1111.4 | 388.5 | 130.4 | 71.0 | 61.1 | 59.2 | 55.9 |
| 60° | 1778.7 | 1749.3 | 1705.5 | 1657.7 | 1419.1 | 398.2 | 119.7 | 65.2 | 57.0 | 55.3 | 52.8 |
| 62.5° | 2081.4 | 2029.7 | 1980.2 | 1935.9 | 1665.1 | 397.9 | 105.7 | 60.8 | 53.9 | 53.1 | 50.6 |
| 65° | 2093.8 | 2041.2 | 1991.4 | 1944.9 | 1670.6 | 354.2 | 89.2 | 57.0 | 53.4 | 53.1 | 49.0 |
| 67.5° | 1982.6 | 1925.7 | 1877.5 | 1818.9 | 1546.5 | 276.8 | 71.5 | 54.5 | 55.6 | 55.0 | 48.4 |
| 70° | 1801.0 | 1726.7 | 1687.1 | 1629.3 | 1361.0 | 193.7 | 58.9 | 55.3 | 60.3 | 58.6 | 49.3 |
| 72.5° | 1413.6 | 1357.4 | 1297.2 | 1257.0 | 1065.5 | 122.5 | 49.5 | 55.9 | 62.2 | 59.4 | 51.5 |
| 75° | 526.1 | 541.3 | 516.5 | 507.7 | 541.3 | 71.8 | 44.0 | 52.0 | 55.6 | 51.5 | 46.8 |
| 77.5° | 106.2 | 101.5 | 96.3 | 95.2 | 123.0 | 44.3 | 40.5 | 45.1 | 42.7 | 37.7 | 38.0 |
| 80° | 50.9 | 49.5 | 47.9 | 47.6 | 45.7 | 36.9 | 37.4 | 38.5 | 32.2 | 29.2 | 31.1 |
| 82.5° | 33.8 | 31.9 | 31.4 | 30.3 | 30.8 | 33.0 | 35.5 | 33.0 | 24.8 | 23.1 | 28.1 |
| 85° | 15.7 | 15.1 | 14.9 | 14.9 | 16.5 | 29.7 | 29.4 | 24.2 | 17.1 | 16.5 | 28.1 |
| 87.5° | 3.9 | 3.9 | 4.1 | 3.9 | 4.4 | 8.8 | 7.7 | 7.4 | 6.3 | 7.2 | 13.2 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



REPORT NUMBER: P149805

CATALOG NUMBER: VXM-F01-LED-E1-SL2

CANDELA DISTRIBUTION (continued):

| | 165° | 175° | 180° |
|-------|-------|-------|-------|
| 0° | 262.5 | 262.5 | 262.5 |
| 2.5° | 264.4 | 264.7 | 264.4 |
| 5° | 266.9 | 266.9 | 266.9 |
| 7.5° | 266.9 | 266.1 | 265.8 |
| 10° | 263.1 | 260.6 | 260.6 |
| 12.5° | 256.5 | 252.3 | 251.8 |
| 15° | 244.1 | 238.6 | 237.8 |
| 17.5° | 228.4 | 221.0 | 219.6 |
| 20° | 210.8 | 201.4 | 199.8 |
| 22.5° | 191.5 | 180.8 | 180.0 |
| 25° | 172.5 | 161.5 | 159.3 |
| 27.5° | 151.3 | 140.6 | 139.5 |
| 30° | 130.2 | 120.8 | 120.3 |
| 32.5° | 112.3 | 106.5 | 105.4 |
| 35° | 99.6 | 96.3 | 94.9 |
| 37.5° | 91.4 | 88.9 | 88.6 |
| 40° | 85.0 | 82.8 | 82.6 |
| 42.5° | 79.8 | 77.9 | 77.6 |
| 45° | 74.6 | 72.9 | 72.4 |
| 47.5° | 69.3 | 67.7 | 67.4 |
| 50° | 64.7 | 62.5 | 62.2 |
| 52.5° | 60.3 | 58.1 | 57.5 |
| 55° | 56.1 | 53.9 | 53.9 |
| 57.5° | 52.6 | 50.4 | 50.1 |
| 60° | 49.3 | 47.1 | 46.8 |
| 62.5° | 46.8 | 44.0 | 43.8 |
| 65° | 44.9 | 42.1 | 41.6 |
| 67.5° | 43.8 | 40.5 | 39.6 |
| 70° | 45.7 | 39.6 | 38.2 |
| 72.5° | 46.0 | 38.8 | 36.9 |
| 75° | 44.3 | 36.6 | 35.2 |
| 77.5° | 38.8 | 32.7 | 31.4 |
| 80° | 33.6 | 25.3 | 23.4 |
| 82.5° | 31.9 | 20.6 | 17.9 |
| 85° | 24.8 | 13.5 | 12.7 |
| 87.5° | 14.0 | 7.4 | 6.1 |
| 90° | 0.0 | 0.0 | 0.0 |

(END OF REPORT)