

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: P139726

Luminaire Tested: **ENT-F01-LED-E1-BL4-7050**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P139726
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33646)
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ENT-F01-LED-E1-BL4-7050
Description: ENTRI LED LUMINAIRE
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL
Light Source: (7) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2213 lumens
Efficiency: N/A
Efficacy: 85.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.17' x H: 0')
IES Classification: Type III - Short - Full Cutoff
BUG Rating: B1 - U0 - G1

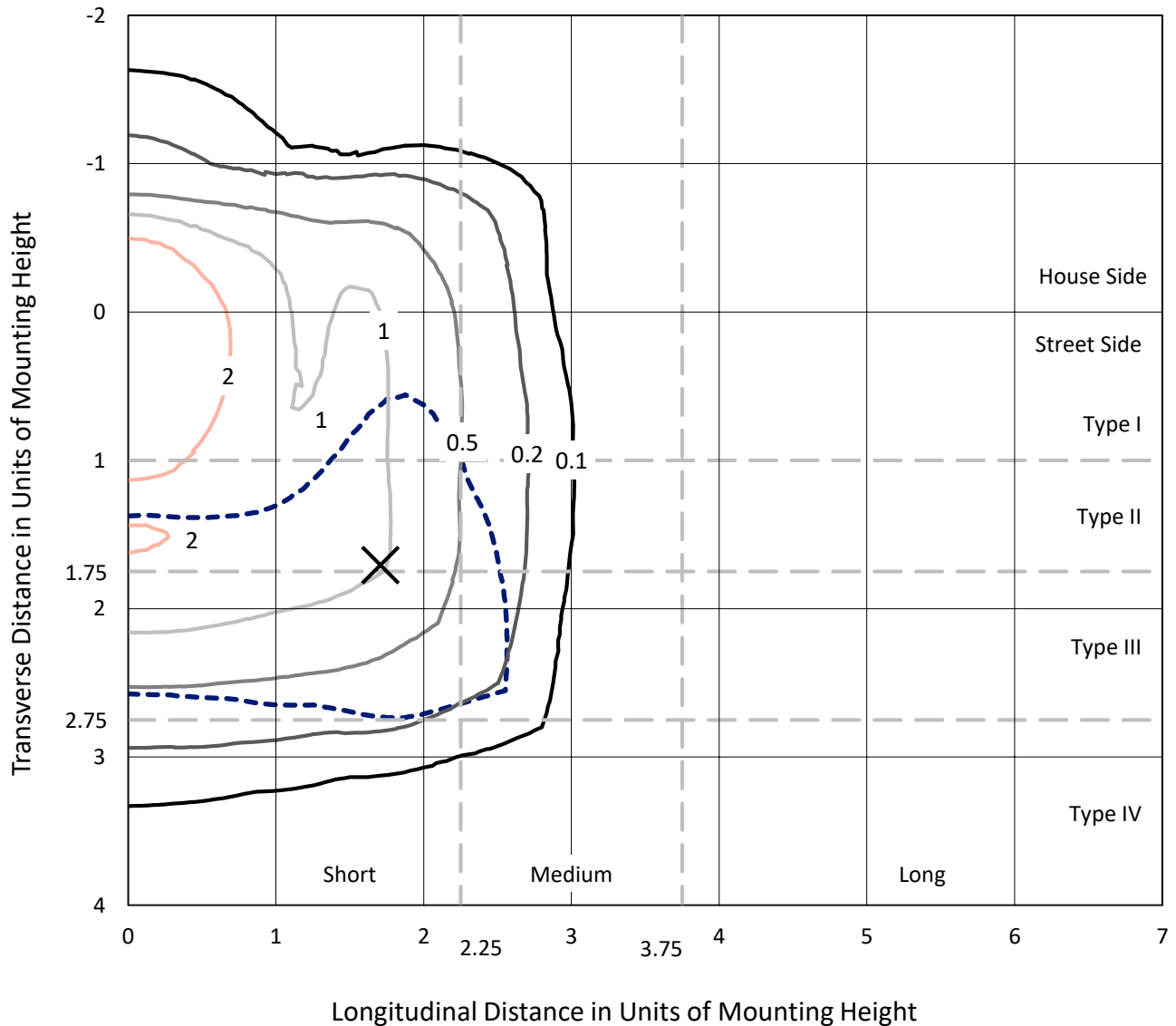
Input Watts (W): 25.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

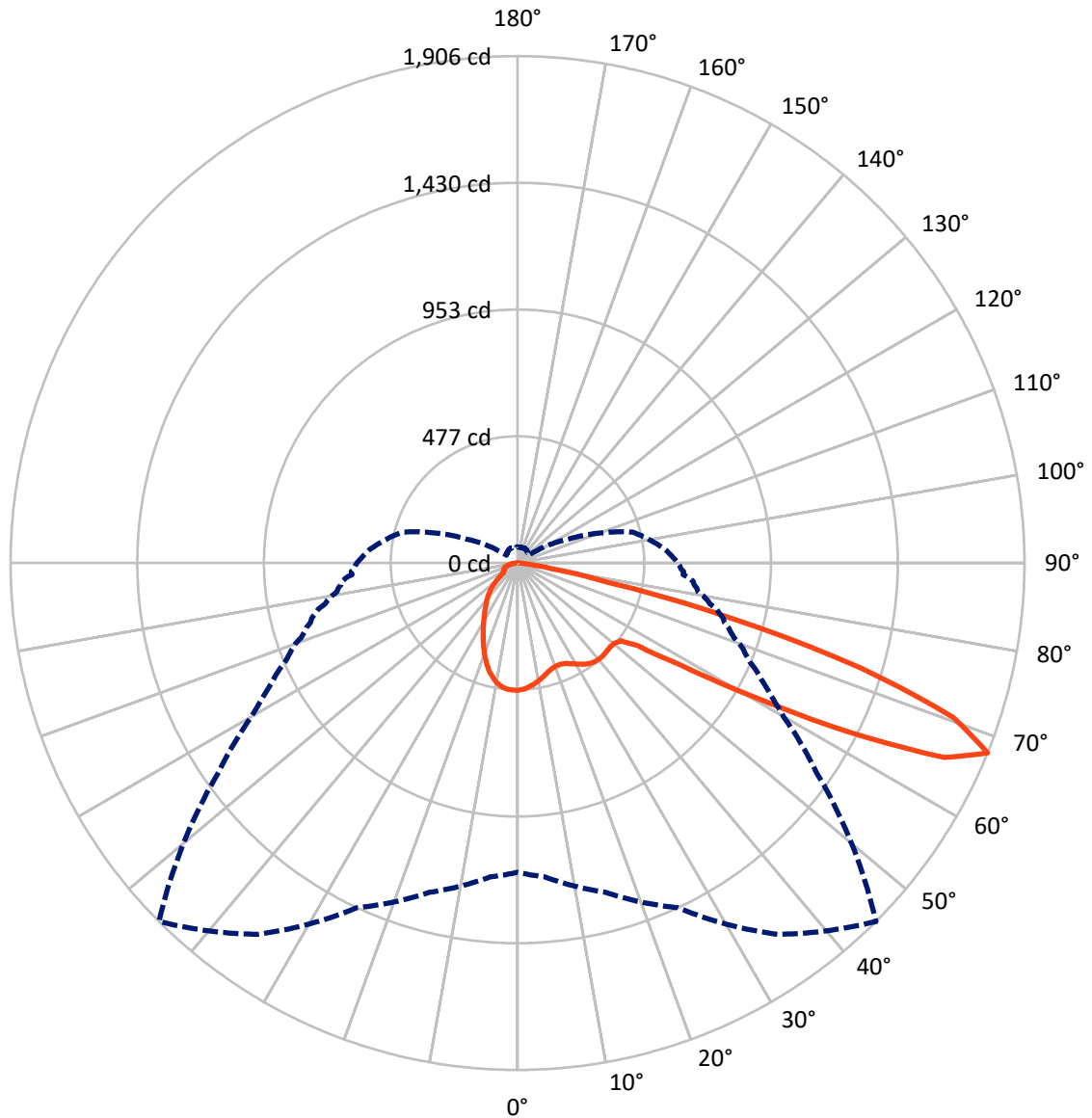
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type III - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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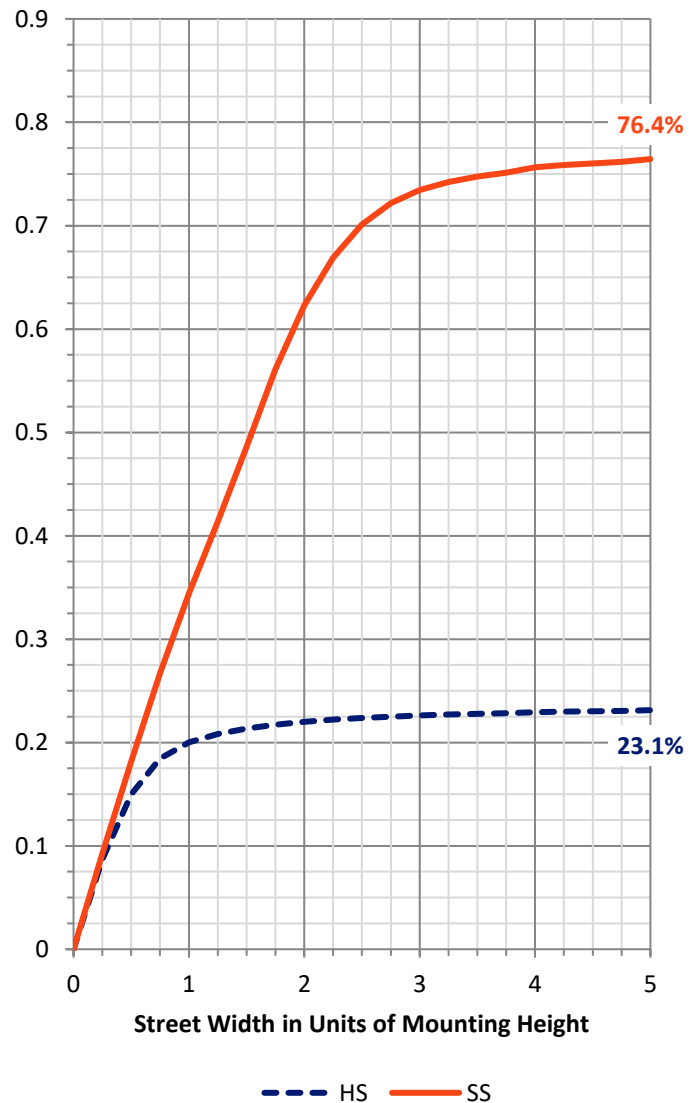
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 518.6 | 0.0 | 518.6 |
| | % Fixture | 23.4 | 0.0 | 23.4 |
| Street Side | Lumens | 1694.4 | 0.0 | 1694.4 |
| | % Fixture | 76.6 | 0.0 | 76.6 |
| Total | Lumens | 2213.0 | 0.0 | 2213.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 44.4 | 2.0 |
| 10°-20° | 119.6 | 5.4 |
| 20°-30° | 172.4 | 7.8 |
| 30°-40° | 219.9 | 9.9 |
| 40°-50° | 259.6 | 11.7 |
| 50°-60° | 416.3 | 18.8 |
| 60°-70° | 700.6 | 31.7 |
| 70°-80° | 260.6 | 11.8 |
| 80°-90° | 19.8 | 0.9 |
| 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° | 2213.0 | 100.0 |
| 0°-180° | 2213.0 | 100.0 |



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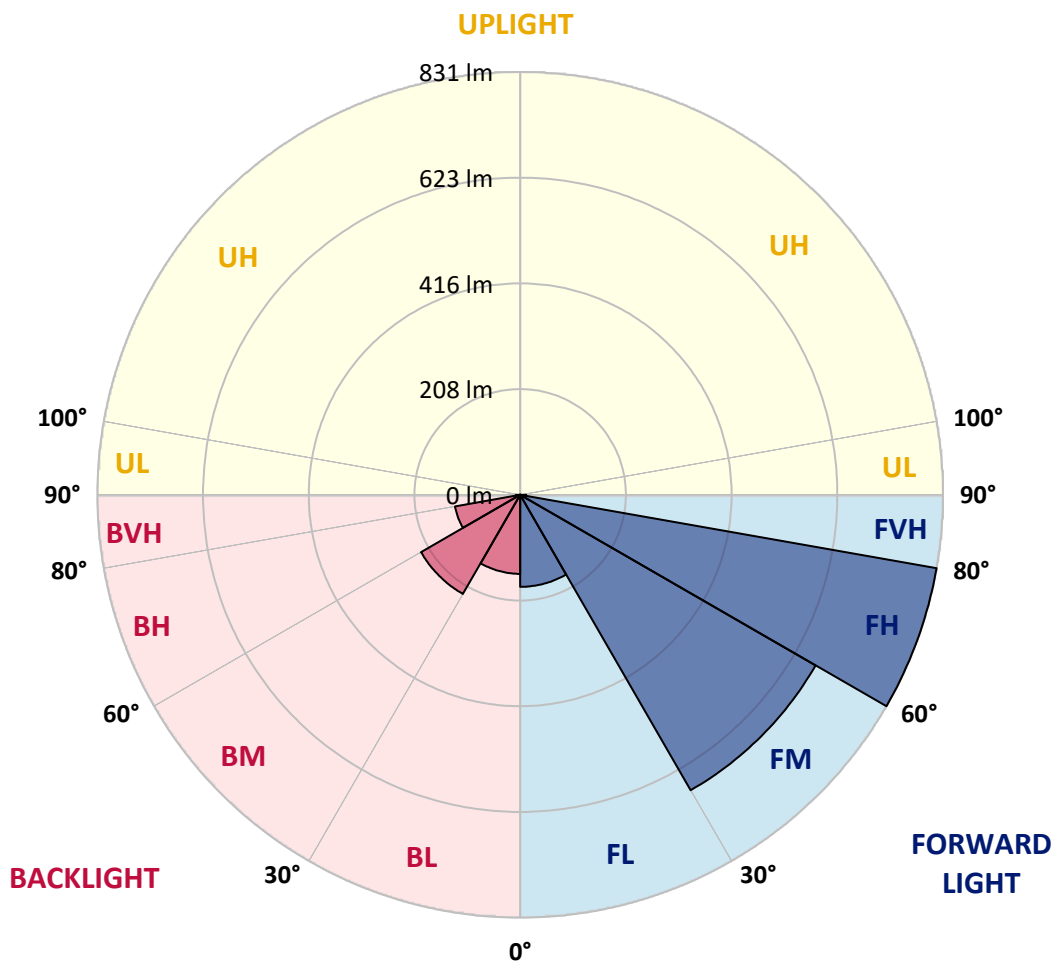
CATALOG NUMBER: ENT-F01-LED-E1-BL4-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 180.9 | 8.2 | | | |
| FM | (30°-60°) | 670.6 | 30.3 | | | |
| FH | (60°-80°) | 831.2 | 37.6 | | | G1/1800 |
| FVH | (80°-90°) | 11.8 | 0.5 | | | G1/100 |
| BL | (0°-30°) | 155.4 | 7.0 | B1/500 | | |
| BM | (30°-60°) | 225.1 | 10.2 | B1/1000 | | |
| BH | (60°-80°) | 130.0 | 5.9 | B1/500 | | G1/500 |
| BVH | (80°-90°) | 8.1 | 0.4 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 61° | 62° | 64° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 |
| 2.5° | 471.4 | 471.4 | 472.2 | 472.2 | 473.5 | 474.4 | 473.5 | 475.2 | 475.2 | 474.8 | 475.6 |
| 5° | 464.6 | 464.6 | 465.0 | 465.0 | 465.9 | 467.2 | 466.3 | 468.0 | 467.6 | 468.0 | 468.0 |
| 7.5° | 456.6 | 456.6 | 457.4 | 457.0 | 457.4 | 458.3 | 456.2 | 457.4 | 457.4 | 457.8 | 457.4 |
| 10° | 446.4 | 447.3 | 448.1 | 447.7 | 447.7 | 448.1 | 444.7 | 446.0 | 445.6 | 445.6 | 445.1 |
| 12.5° | 437.1 | 436.2 | 437.1 | 437.9 | 437.5 | 437.5 | 434.1 | 433.3 | 433.3 | 433.3 | 433.7 |
| 15° | 427.3 | 428.2 | 429.5 | 428.2 | 427.3 | 425.7 | 422.3 | 421.4 | 421.4 | 421.4 | 421.8 |
| 17.5° | 425.2 | 425.2 | 426.1 | 424.8 | 421.4 | 418.0 | 411.3 | 410.0 | 410.0 | 409.6 | 409.6 |
| 20° | 431.2 | 430.7 | 432.0 | 429.5 | 421.8 | 412.9 | 402.4 | 400.2 | 400.2 | 400.2 | 399.8 |
| 22.5° | 443.4 | 443.4 | 445.6 | 442.6 | 430.3 | 413.4 | 397.7 | 394.3 | 393.9 | 393.5 | 392.6 |
| 25° | 467.2 | 466.7 | 468.0 | 460.4 | 442.6 | 418.9 | 396.4 | 391.3 | 390.9 | 390.1 | 389.2 |
| 27.5° | 494.7 | 495.5 | 498.1 | 486.6 | 460.4 | 428.6 | 401.9 | 393.5 | 392.6 | 391.3 | 389.7 |
| 30° | 521.8 | 524.3 | 529.0 | 516.7 | 480.7 | 440.9 | 410.4 | 400.7 | 399.0 | 397.3 | 394.3 |
| 32.5° | 556.1 | 555.3 | 562.9 | 544.2 | 498.5 | 454.0 | 419.3 | 407.4 | 405.3 | 402.8 | 399.0 |
| 35° | 592.5 | 594.2 | 595.9 | 565.8 | 513.3 | 464.6 | 424.8 | 411.3 | 408.7 | 406.2 | 400.7 |
| 37.5° | 629.0 | 629.4 | 625.6 | 583.2 | 522.2 | 471.0 | 427.8 | 412.1 | 408.7 | 404.9 | 398.5 |
| 40° | 662.4 | 661.1 | 649.7 | 596.3 | 527.3 | 474.4 | 429.0 | 410.4 | 406.2 | 402.4 | 395.2 |
| 42.5° | 681.5 | 680.2 | 665.8 | 602.3 | 527.7 | 473.9 | 429.0 | 408.7 | 404.1 | 399.4 | 391.3 |
| 45° | 689.5 | 688.7 | 672.2 | 603.1 | 524.8 | 471.4 | 426.5 | 407.0 | 402.4 | 398.1 | 389.7 |
| 47.5° | 690.4 | 690.4 | 673.4 | 601.8 | 522.2 | 469.7 | 426.5 | 409.1 | 405.3 | 401.9 | 395.6 |
| 50° | 686.6 | 687.0 | 673.8 | 605.2 | 524.3 | 473.5 | 430.7 | 414.2 | 410.4 | 407.0 | 399.8 |
| 52.5° | 731.4 | 727.2 | 698.0 | 620.5 | 538.3 | 485.8 | 445.1 | 430.3 | 429.0 | 426.9 | 421.4 |
| 55° | 1074.5 | 1077.9 | 918.2 | 715.8 | 597.2 | 548.9 | 532.0 | 529.0 | 538.3 | 541.7 | 541.7 |
| 57.5° | 1364.2 | 1353.2 | 1293.1 | 1044.4 | 781.0 | 723.0 | 729.8 | 737.0 | 750.5 | 756.4 | 760.7 |
| 60° | 1434.9 | 1435.8 | 1434.1 | 1363.4 | 1152.9 | 1020.7 | 987.7 | 956.3 | 955.1 | 944.1 | 935.6 |
| 62.5° | 1426.5 | 1433.3 | 1465.0 | 1481.1 | 1501.9 | 1404.9 | 1203.3 | 1116.4 | 1099.5 | 1078.8 | 1049.1 |
| 65° | 1365.1 | 1375.2 | 1426.1 | 1504.4 | 1683.1 | 1762.8 | 1348.5 | 1193.1 | 1166.8 | 1141.9 | 1091.9 |
| 67.5° | 1163.0 | 1185.1 | 1282.5 | 1430.3 | 1704.7 | 1906.3 | 1372.3 | 1155.8 | 1121.1 | 1088.5 | 1029.2 |
| 70° | 717.9 | 729.3 | 879.7 | 1154.1 | 1544.6 | 1738.2 | 1246.0 | 980.9 | 936.9 | 895.4 | 814.5 |
| 72.5° | 463.4 | 459.5 | 485.0 | 650.1 | 1135.1 | 1350.7 | 856.8 | 652.2 | 616.2 | 583.2 | 531.1 |
| 75° | 324.4 | 324.9 | 313.4 | 310.0 | 526.5 | 836.5 | 388.0 | 278.7 | 262.6 | 255.8 | 244.8 |
| 77.5° | 211.3 | 213.9 | 210.9 | 219.0 | 210.9 | 347.7 | 178.3 | 130.9 | 124.5 | 120.3 | 113.5 |
| 80° | 127.5 | 136.0 | 138.5 | 140.2 | 142.3 | 131.3 | 105.9 | 77.1 | 69.5 | 62.3 | 51.2 |
| 82.5° | 22.4 | 22.0 | 30.5 | 41.1 | 53.8 | 61.4 | 44.5 | 28.0 | 26.3 | 25.4 | 23.3 |
| 85° | 0.0 | 0.0 | 0.4 | 0.4 | 0.8 | 3.0 | 4.7 | 5.5 | 5.1 | 5.5 | 5.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.4 | 0.4 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 | 0.8 |
| 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: ENT-F01-LED-E1-BL4-7050

CANDELA DISTRIBUTION (continued):

| | 65° | 66° | 67° | 68° | 69° | 70° | 71° | 72° | 73° | 74° | 75° |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 |
| 2.5° | 475.6 | 475.2 | 474.8 | 474.8 | 475.6 | 475.6 | 475.2 | 475.2 | 475.6 | 475.2 | 476.1 |
| 5° | 468.4 | 468.0 | 468.0 | 467.6 | 468.0 | 468.4 | 468.0 | 468.0 | 468.4 | 468.0 | 468.9 |
| 7.5° | 457.0 | 457.4 | 457.0 | 457.0 | 457.4 | 457.8 | 457.4 | 457.4 | 457.4 | 457.4 | 457.0 |
| 10° | 445.1 | 445.1 | 444.7 | 444.7 | 445.6 | 445.1 | 444.7 | 444.7 | 445.1 | 445.6 | 444.7 |
| 12.5° | 433.3 | 434.1 | 434.1 | 432.4 | 432.9 | 433.3 | 433.3 | 432.9 | 432.9 | 434.1 | 432.9 |
| 15° | 421.4 | 421.8 | 421.4 | 421.8 | 421.0 | 420.6 | 421.0 | 421.0 | 420.1 | 419.7 | 419.7 |
| 17.5° | 409.6 | 409.1 | 409.1 | 408.3 | 407.9 | 407.9 | 407.4 | 407.9 | 407.0 | 407.4 | 406.2 |
| 20° | 399.0 | 398.5 | 398.1 | 398.1 | 396.9 | 396.9 | 396.9 | 396.4 | 395.6 | 395.6 | 395.2 |
| 22.5° | 392.6 | 392.2 | 391.8 | 390.9 | 390.5 | 390.1 | 390.1 | 389.7 | 388.8 | 388.4 | 388.0 |
| 25° | 389.2 | 388.8 | 388.0 | 387.1 | 386.7 | 386.3 | 386.3 | 385.8 | 385.0 | 384.1 | 383.7 |
| 27.5° | 389.7 | 388.8 | 388.0 | 387.1 | 386.7 | 385.8 | 385.4 | 385.0 | 384.1 | 383.3 | 382.5 |
| 30° | 393.5 | 391.8 | 390.1 | 388.8 | 387.5 | 386.3 | 385.4 | 385.0 | 383.7 | 382.5 | 381.2 |
| 32.5° | 397.3 | 395.2 | 392.6 | 390.1 | 388.0 | 385.8 | 384.6 | 383.3 | 381.6 | 379.5 | 378.2 |
| 35° | 398.5 | 396.0 | 392.2 | 390.1 | 387.1 | 384.6 | 382.5 | 380.8 | 377.8 | 375.3 | 373.1 |
| 37.5° | 395.6 | 392.6 | 388.8 | 385.8 | 382.9 | 379.5 | 376.9 | 374.4 | 372.3 | 369.3 | 367.2 |
| 40° | 390.9 | 387.5 | 383.7 | 379.5 | 376.5 | 373.1 | 370.6 | 368.5 | 365.5 | 363.0 | 361.3 |
| 42.5° | 387.1 | 383.3 | 379.1 | 375.7 | 372.3 | 368.9 | 365.9 | 363.8 | 360.9 | 357.9 | 355.8 |
| 45° | 385.8 | 382.0 | 378.6 | 374.4 | 371.0 | 368.5 | 365.9 | 363.0 | 360.4 | 357.9 | 355.3 |
| 47.5° | 392.6 | 389.2 | 385.8 | 382.5 | 379.5 | 376.5 | 374.0 | 371.0 | 368.1 | 364.7 | 362.1 |
| 50° | 396.4 | 392.6 | 389.7 | 385.8 | 382.5 | 379.5 | 376.9 | 374.0 | 371.9 | 368.5 | 365.9 |
| 52.5° | 424.0 | 418.9 | 419.7 | 416.3 | 416.3 | 412.9 | 415.5 | 411.7 | 413.8 | 411.3 | 415.1 |
| 55° | 540.4 | 542.1 | 552.7 | 554.4 | 558.6 | 558.2 | 560.8 | 571.8 | 567.5 | 562.0 | 563.7 |
| 57.5° | 749.2 | 753.1 | 758.6 | 753.5 | 757.3 | 758.1 | 765.3 | 762.4 | 759.8 | 758.1 | 752.6 |
| 60° | 930.5 | 925.4 | 917.4 | 907.6 | 903.8 | 899.6 | 892.4 | 892.4 | 883.1 | 880.1 | 872.9 |
| 62.5° | 1036.8 | 1022.0 | 1011.8 | 996.2 | 985.1 | 977.5 | 964.8 | 955.1 | 942.4 | 932.6 | 921.2 |
| 65° | 1071.6 | 1046.6 | 1028.8 | 1009.3 | 991.9 | 975.4 | 957.2 | 943.2 | 927.5 | 917.0 | 898.7 |
| 67.5° | 1004.2 | 978.8 | 948.7 | 928.0 | 909.8 | 889.0 | 860.6 | 843.3 | 829.7 | 809.4 | 800.5 |
| 70° | 781.9 | 755.2 | 717.5 | 707.3 | 679.4 | 647.2 | 618.4 | 601.0 | 581.1 | 567.1 | 552.3 |
| 72.5° | 496.0 | 465.9 | 449.4 | 437.1 | 418.9 | 392.2 | 367.2 | 357.0 | 339.7 | 335.9 | 326.1 |
| 75° | 232.9 | 212.6 | 208.4 | 205.4 | 185.5 | 181.7 | 174.1 | 170.7 | 162.6 | 158.4 | 156.7 |
| 77.5° | 104.2 | 99.5 | 91.9 | 89.8 | 83.4 | 77.1 | 69.5 | 66.1 | 61.8 | 59.3 | 55.9 |
| 80° | 47.4 | 42.8 | 39.8 | 37.7 | 36.8 | 34.7 | 33.0 | 31.8 | 30.5 | 30.5 | 28.4 |
| 82.5° | 22.9 | 22.0 | 21.2 | 21.2 | 19.9 | 19.9 | 18.6 | 18.2 | 17.8 | 17.4 | 17.4 |
| 85° | 6.4 | 6.4 | 6.4 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 6.8 | 7.2 | 7.2 |
| 87.5° | 0.8 | 0.8 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 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: ENT-F01-LED-E1-BL4-7050

CANDELA DISTRIBUTION (continued):

| | 76° | 77° | 78° | 79° | 80° | 81° | 82° | 83° | 84° | 85° | 86° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 |
| 2.5° | 475.6 | 475.6 | 475.6 | 476.5 | 476.1 | 477.3 | 477.3 | 477.3 | 478.2 | 478.6 | 478.2 |
| 5° | 468.9 | 468.9 | 468.9 | 469.3 | 469.3 | 470.1 | 470.1 | 471.0 | 471.0 | 471.4 | 471.4 |
| 7.5° | 457.8 | 458.3 | 458.3 | 459.1 | 458.7 | 459.1 | 459.1 | 460.4 | 460.4 | 460.8 | 460.8 |
| 10° | 445.1 | 445.6 | 445.6 | 445.6 | 446.0 | 446.4 | 446.4 | 447.3 | 447.7 | 447.7 | 448.5 |
| 12.5° | 433.3 | 432.9 | 433.3 | 432.9 | 434.1 | 434.1 | 434.5 | 434.1 | 434.5 | 435.0 | 435.4 |
| 15° | 420.1 | 420.1 | 419.7 | 420.1 | 420.1 | 419.7 | 419.3 | 419.7 | 420.6 | 420.6 | 420.6 |
| 17.5° | 407.0 | 405.7 | 405.7 | 405.7 | 405.3 | 404.5 | 405.3 | 404.9 | 404.9 | 405.3 | 404.9 |
| 20° | 394.7 | 394.3 | 393.9 | 393.5 | 393.0 | 391.8 | 391.8 | 391.8 | 391.3 | 391.3 | 391.3 |
| 22.5° | 387.1 | 386.7 | 386.3 | 385.8 | 384.1 | 383.3 | 382.9 | 382.5 | 381.6 | 381.2 | 380.8 |
| 25° | 382.9 | 382.0 | 381.2 | 380.3 | 379.1 | 377.8 | 376.5 | 376.1 | 375.3 | 374.4 | 373.1 |
| 27.5° | 381.6 | 380.8 | 379.1 | 378.2 | 376.5 | 375.3 | 374.0 | 372.7 | 371.4 | 370.2 | 368.9 |
| 30° | 379.5 | 378.2 | 376.5 | 375.3 | 374.0 | 371.9 | 370.2 | 368.9 | 366.8 | 365.5 | 363.8 |
| 32.5° | 376.5 | 374.8 | 373.1 | 371.4 | 369.7 | 367.6 | 365.5 | 363.8 | 362.1 | 360.4 | 358.3 |
| 35° | 371.4 | 369.3 | 366.8 | 365.1 | 363.0 | 360.9 | 359.2 | 356.2 | 354.9 | 352.8 | 350.7 |
| 37.5° | 364.7 | 362.5 | 360.4 | 358.3 | 355.8 | 354.1 | 351.5 | 349.0 | 347.7 | 346.5 | 343.5 |
| 40° | 358.7 | 356.2 | 354.1 | 352.4 | 349.4 | 348.1 | 345.6 | 343.1 | 341.4 | 340.1 | 337.6 |
| 42.5° | 353.2 | 350.7 | 348.6 | 346.0 | 343.9 | 342.2 | 340.1 | 337.6 | 335.9 | 335.0 | 332.9 |
| 45° | 353.2 | 350.3 | 347.7 | 345.6 | 343.5 | 341.4 | 339.7 | 337.1 | 335.9 | 334.2 | 332.9 |
| 47.5° | 359.2 | 355.8 | 352.8 | 349.8 | 346.9 | 344.8 | 342.2 | 339.7 | 337.6 | 336.3 | 334.6 |
| 50° | 363.4 | 360.0 | 358.3 | 354.9 | 353.2 | 350.3 | 347.3 | 346.0 | 343.9 | 342.6 | 342.2 |
| 52.5° | 415.1 | 412.9 | 413.4 | 404.9 | 403.2 | 407.4 | 400.7 | 406.6 | 404.9 | 399.8 | 399.8 |
| 55° | 573.5 | 572.6 | 576.4 | 565.8 | 561.2 | 569.7 | 573.0 | 560.8 | 563.7 | 563.7 | 562.9 |
| 57.5° | 758.1 | 752.6 | 747.1 | 748.4 | 741.6 | 746.7 | 740.3 | 732.7 | 735.7 | 733.1 | 724.2 |
| 60° | 868.3 | 864.9 | 856.8 | 849.2 | 842.0 | 835.2 | 829.3 | 822.5 | 819.1 | 813.2 | 806.8 |
| 62.5° | 912.7 | 903.8 | 894.1 | 883.9 | 872.5 | 861.5 | 854.7 | 845.8 | 836.5 | 830.6 | 823.8 |
| 65° | 889.0 | 875.9 | 865.3 | 850.5 | 838.2 | 824.6 | 815.7 | 805.6 | 797.1 | 786.9 | 778.5 |
| 67.5° | 783.1 | 767.9 | 739.9 | 726.4 | 708.2 | 687.0 | 681.0 | 668.8 | 664.1 | 648.9 | 623.9 |
| 70° | 533.2 | 518.0 | 501.0 | 473.5 | 455.7 | 437.5 | 417.6 | 403.2 | 401.1 | 388.8 | 370.6 |
| 72.5° | 313.4 | 302.8 | 291.8 | 276.1 | 263.0 | 255.8 | 241.8 | 227.4 | 227.0 | 213.0 | 205.8 |
| 75° | 148.2 | 142.7 | 131.7 | 127.9 | 116.0 | 115.2 | 106.3 | 104.6 | 106.3 | 102.1 | 101.2 |
| 77.5° | 50.4 | 49.1 | 46.6 | 43.2 | 40.7 | 39.8 | 37.7 | 36.4 | 35.6 | 34.7 | 33.9 |
| 80° | 27.5 | 26.7 | 26.3 | 25.0 | 24.1 | 23.7 | 22.4 | 22.0 | 21.6 | 21.2 | 20.8 |
| 82.5° | 16.5 | 16.9 | 16.1 | 15.2 | 15.2 | 14.4 | 14.0 | 13.6 | 13.1 | 13.1 | 13.1 |
| 85° | 6.8 | 7.2 | 6.8 | 6.4 | 5.9 | 6.4 | 6.4 | 5.9 | 5.5 | 5.9 | 5.9 |
| 87.5° | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 | 1.3 |
| 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: P139726

CATALOG NUMBER: ENT-F01-LED-E1-BL4-7050

CANDELA DISTRIBUTION (continued):

| | 87° | 88° | 89° | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 | 478.2 |
| 2.5° | 477.3 | 476.9 | 476.9 | 476.5 | 476.1 | 476.9 | 477.8 | 479.0 | 478.2 | 479.0 | 479.4 |
| 5° | 470.6 | 470.6 | 470.6 | 471.0 | 470.6 | 471.8 | 473.5 | 476.1 | 476.5 | 478.2 | 479.4 |
| 7.5° | 459.5 | 459.5 | 460.0 | 460.4 | 460.0 | 461.7 | 464.6 | 467.6 | 469.7 | 472.7 | 475.2 |
| 10° | 446.8 | 446.8 | 446.8 | 446.8 | 447.3 | 449.4 | 451.5 | 454.9 | 458.3 | 462.9 | 466.7 |
| 12.5° | 435.4 | 434.1 | 434.5 | 435.4 | 434.5 | 434.5 | 436.7 | 439.2 | 441.3 | 447.3 | 454.0 |
| 15° | 420.1 | 420.1 | 419.3 | 419.7 | 417.6 | 417.2 | 418.0 | 419.7 | 421.4 | 426.5 | 433.7 |
| 17.5° | 404.1 | 404.1 | 404.1 | 402.8 | 401.1 | 396.9 | 396.4 | 396.4 | 396.4 | 400.2 | 408.7 |
| 20° | 389.7 | 389.7 | 388.8 | 388.0 | 384.1 | 376.9 | 371.0 | 368.5 | 367.6 | 374.0 | 377.8 |
| 22.5° | 379.5 | 379.1 | 377.4 | 376.5 | 370.6 | 359.2 | 349.8 | 342.6 | 340.5 | 342.6 | 343.9 |
| 25° | 371.4 | 370.6 | 368.9 | 367.2 | 359.2 | 343.5 | 328.7 | 316.4 | 310.5 | 308.8 | 304.5 |
| 27.5° | 366.8 | 365.5 | 363.0 | 361.3 | 350.7 | 330.8 | 311.3 | 295.2 | 284.2 | 276.1 | 268.5 |
| 30° | 361.7 | 359.6 | 357.0 | 354.5 | 342.6 | 320.6 | 298.2 | 278.3 | 258.8 | 244.8 | 233.8 |
| 32.5° | 355.8 | 353.7 | 351.1 | 348.6 | 335.4 | 311.3 | 287.6 | 263.0 | 235.9 | 216.9 | 200.3 |
| 35° | 348.6 | 346.5 | 343.9 | 340.9 | 327.8 | 303.7 | 280.4 | 248.2 | 215.6 | 191.0 | 169.4 |
| 37.5° | 341.4 | 339.3 | 336.7 | 333.7 | 320.6 | 299.9 | 276.1 | 234.2 | 196.9 | 166.9 | 138.5 |
| 40° | 335.9 | 333.7 | 331.2 | 328.7 | 316.8 | 298.2 | 274.0 | 222.4 | 180.4 | 143.2 | 110.5 |
| 42.5° | 331.2 | 329.1 | 327.0 | 324.4 | 314.3 | 299.0 | 269.4 | 212.2 | 164.3 | 119.4 | 86.8 |
| 45° | 330.8 | 329.5 | 327.0 | 324.9 | 315.1 | 302.8 | 265.6 | 203.3 | 147.8 | 96.6 | 73.3 |
| 47.5° | 333.7 | 332.1 | 330.4 | 328.7 | 321.0 | 312.6 | 263.0 | 194.0 | 129.2 | 77.9 | 69.9 |
| 50° | 340.9 | 339.3 | 338.4 | 337.6 | 332.9 | 325.7 | 263.0 | 184.2 | 107.6 | 68.6 | 69.5 |
| 52.5° | 399.0 | 394.3 | 393.0 | 396.4 | 383.7 | 347.7 | 264.7 | 172.4 | 84.3 | 65.6 | 69.9 |
| 55° | 561.2 | 565.8 | 554.0 | 548.1 | 526.0 | 402.4 | 266.0 | 154.6 | 68.6 | 65.2 | 69.0 |
| 57.5° | 725.1 | 725.1 | 720.9 | 711.5 | 684.4 | 495.5 | 271.9 | 126.2 | 62.7 | 64.4 | 68.2 |
| 60° | 805.1 | 800.1 | 795.8 | 790.3 | 749.2 | 560.3 | 280.8 | 93.2 | 60.1 | 64.0 | 67.3 |
| 62.5° | 819.5 | 811.5 | 806.0 | 798.8 | 744.2 | 563.7 | 284.6 | 69.9 | 57.6 | 64.0 | 65.2 |
| 65° | 772.1 | 763.6 | 756.4 | 744.6 | 678.1 | 510.4 | 265.6 | 57.2 | 55.9 | 62.3 | 63.1 |
| 67.5° | 625.6 | 615.4 | 609.9 | 604.0 | 559.9 | 448.1 | 214.7 | 51.2 | 53.8 | 59.3 | 61.0 |
| 70° | 357.9 | 346.9 | 340.5 | 341.8 | 315.1 | 354.5 | 171.5 | 47.0 | 50.8 | 55.9 | 58.4 |
| 72.5° | 192.7 | 180.9 | 177.0 | 164.8 | 140.6 | 178.7 | 132.1 | 43.2 | 47.0 | 50.8 | 53.4 |
| 75° | 95.3 | 91.1 | 92.3 | 86.4 | 73.3 | 55.1 | 85.1 | 38.5 | 41.9 | 45.7 | 47.4 |
| 77.5° | 33.0 | 32.2 | 31.8 | 31.3 | 30.5 | 29.2 | 39.0 | 33.0 | 36.0 | 39.0 | 40.7 |
| 80° | 20.3 | 19.9 | 20.3 | 19.9 | 19.5 | 22.4 | 25.0 | 26.3 | 28.8 | 32.6 | 33.0 |
| 82.5° | 12.3 | 12.3 | 12.3 | 12.3 | 12.3 | 15.7 | 17.8 | 20.3 | 22.4 | 25.0 | 27.1 |
| 85° | 5.9 | 5.9 | 5.9 | 5.9 | 6.4 | 10.6 | 11.9 | 14.8 | 15.7 | 17.8 | 19.5 |
| 87.5° | 1.3 | 1.3 | 1.3 | 1.3 | 1.7 | 5.5 | 7.2 | 8.9 | 9.3 | 9.3 | 10.6 |
| 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: P139726

CATALOG NUMBER: ENT-F01-LED-E1-BL4-7050

CANDELA DISTRIBUTION (continued):

| | 165° | 175° | 180° |
|-------|-------|-------|-------|
| 0° | 478.2 | 478.2 | 478.2 |
| 2.5° | 479.0 | 478.2 | 477.8 |
| 5° | 480.3 | 479.4 | 479.0 |
| 7.5° | 476.9 | 477.3 | 476.9 |
| 10° | 469.7 | 471.0 | 471.4 |
| 12.5° | 458.3 | 460.8 | 462.5 |
| 15° | 439.2 | 443.0 | 442.2 |
| 17.5° | 413.8 | 418.5 | 418.5 |
| 20° | 382.0 | 384.1 | 382.9 |
| 22.5° | 343.1 | 343.9 | 342.6 |
| 25° | 302.0 | 302.0 | 300.3 |
| 27.5° | 263.9 | 261.7 | 260.5 |
| 30° | 227.4 | 221.9 | 220.2 |
| 32.5° | 188.9 | 179.6 | 179.6 |
| 35° | 149.9 | 142.3 | 140.2 |
| 37.5° | 116.5 | 108.0 | 105.5 |
| 40° | 89.4 | 83.0 | 82.6 |
| 42.5° | 75.4 | 74.1 | 74.5 |
| 45° | 72.0 | 73.7 | 73.7 |
| 47.5° | 72.4 | 74.5 | 75.0 |
| 50° | 72.8 | 75.0 | 75.4 |
| 52.5° | 72.8 | 74.1 | 74.1 |
| 55° | 72.0 | 72.0 | 72.0 |
| 57.5° | 70.3 | 69.9 | 70.7 |
| 60° | 69.0 | 69.0 | 69.0 |
| 62.5° | 66.9 | 66.9 | 66.9 |
| 65° | 63.5 | 64.0 | 64.0 |
| 67.5° | 60.1 | 60.1 | 60.1 |
| 70° | 55.9 | 55.9 | 56.8 |
| 72.5° | 51.7 | 53.4 | 54.2 |
| 75° | 48.7 | 51.7 | 52.9 |
| 77.5° | 42.8 | 45.7 | 47.4 |
| 80° | 35.2 | 35.6 | 35.6 |
| 82.5° | 28.0 | 27.1 | 25.8 |
| 85° | 19.9 | 18.6 | 18.6 |
| 87.5° | 10.6 | 10.2 | 10.6 |
| 90° | 0.0 | 0.0 | 0.0 |

(END OF REPORT)