

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: McGRAW-EDISON

Report Number: P630232

Luminaire Tested: GWS-SA1D-730-U-SLL-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630232
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-37)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-730-U-SLL-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR LEFT OPTICS
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5175.2 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G1

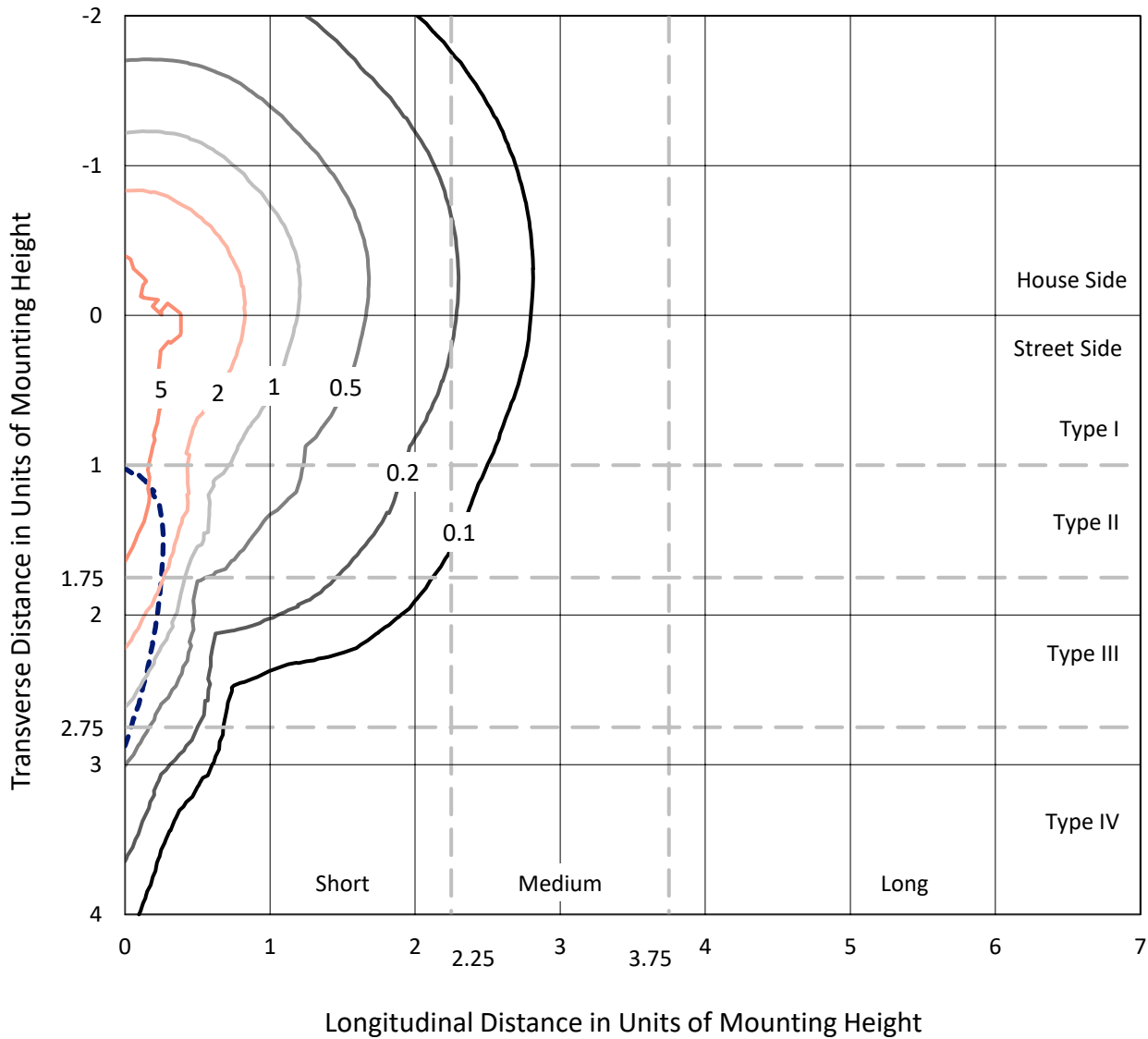
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

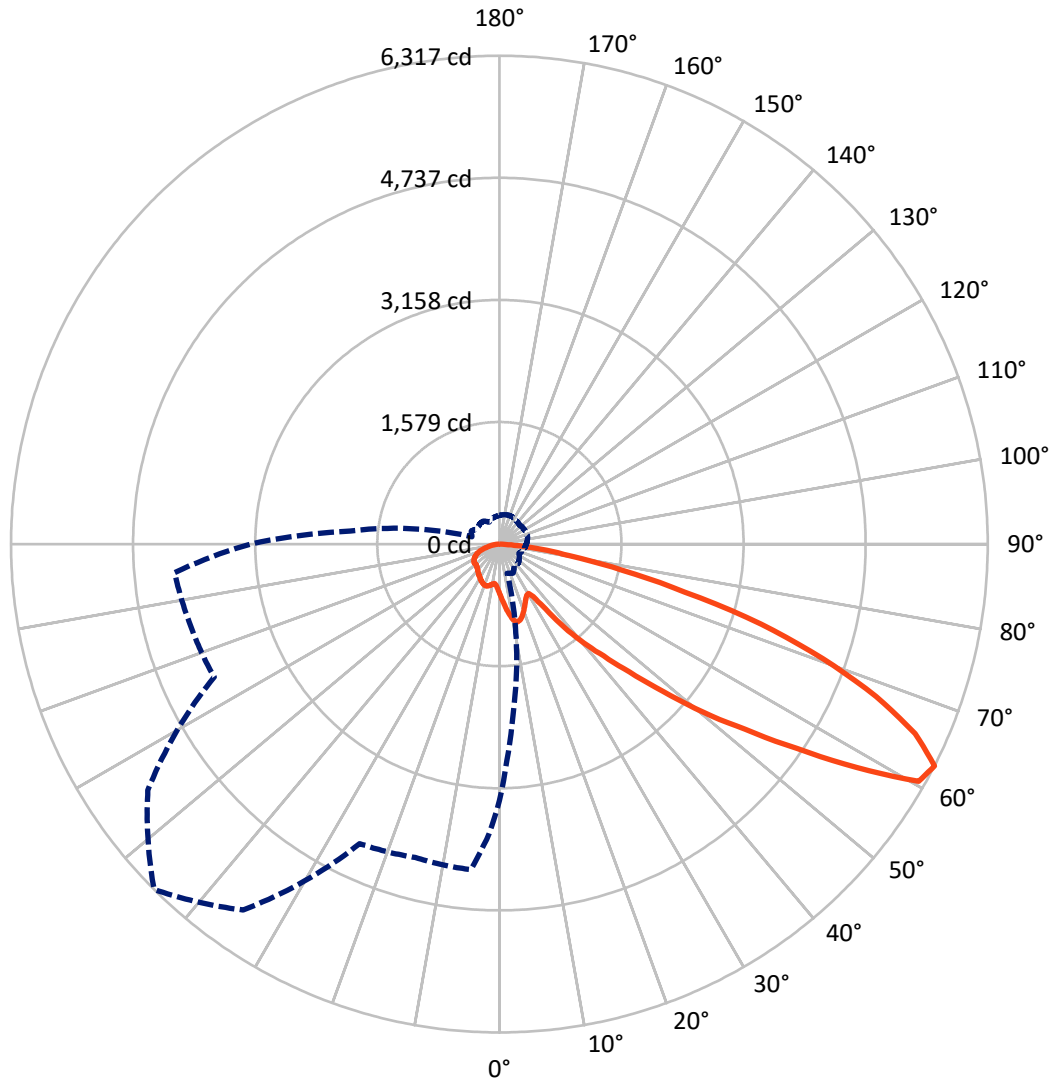
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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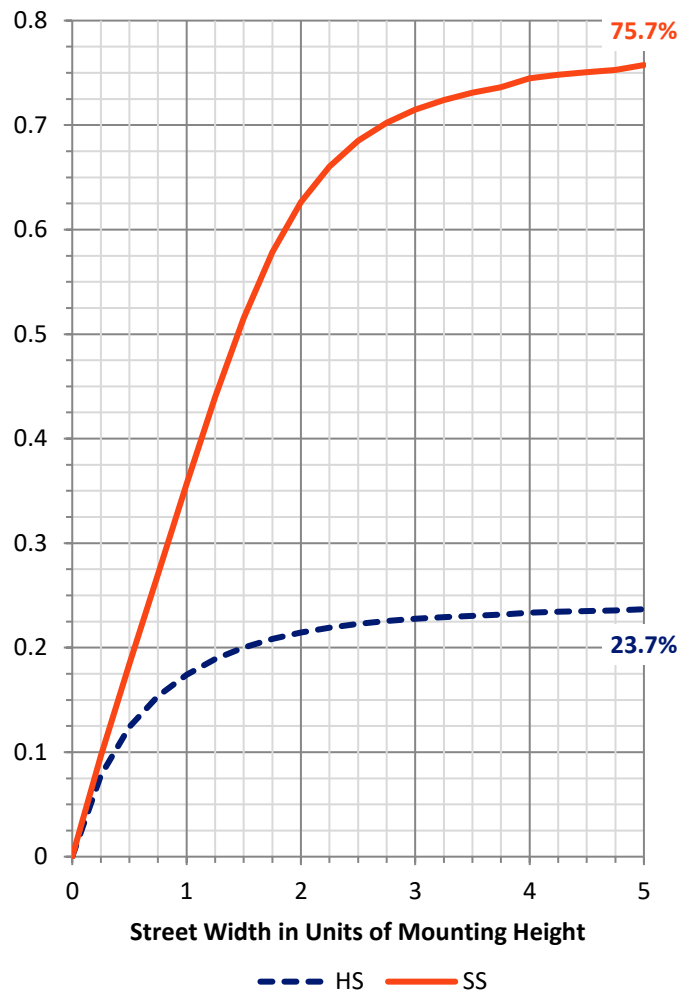
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 1237.4 | 0.0 | 1237.4 |
| | % Fixture | 23.9 | 0.0 | 23.9 |
| Street Side | Lumens | 3937.8 | 0.0 | 3937.8 |
| | % Fixture | 76.1 | 0.0 | 76.1 |
| Total | Lumens | 5175.2 | 0.0 | 5175.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 63.6 | 1.2 |
| 10°-20° | 206.6 | 4.0 |
| 20°-30° | 325.2 | 6.3 |
| 30°-40° | 445.8 | 8.6 |
| 40°-50° | 695.5 | 13.4 |
| 50°-60° | 1199.3 | 23.2 |
| 60°-70° | 1389.8 | 26.9 |
| 70°-80° | 733.6 | 14.2 |
| 80°-90° | 115.9 | 2.2 |
| 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° | 5175.2 | 100.0 |
| 0°-180° | 5175.2 | 100.0 |

Coefficient of Utilization



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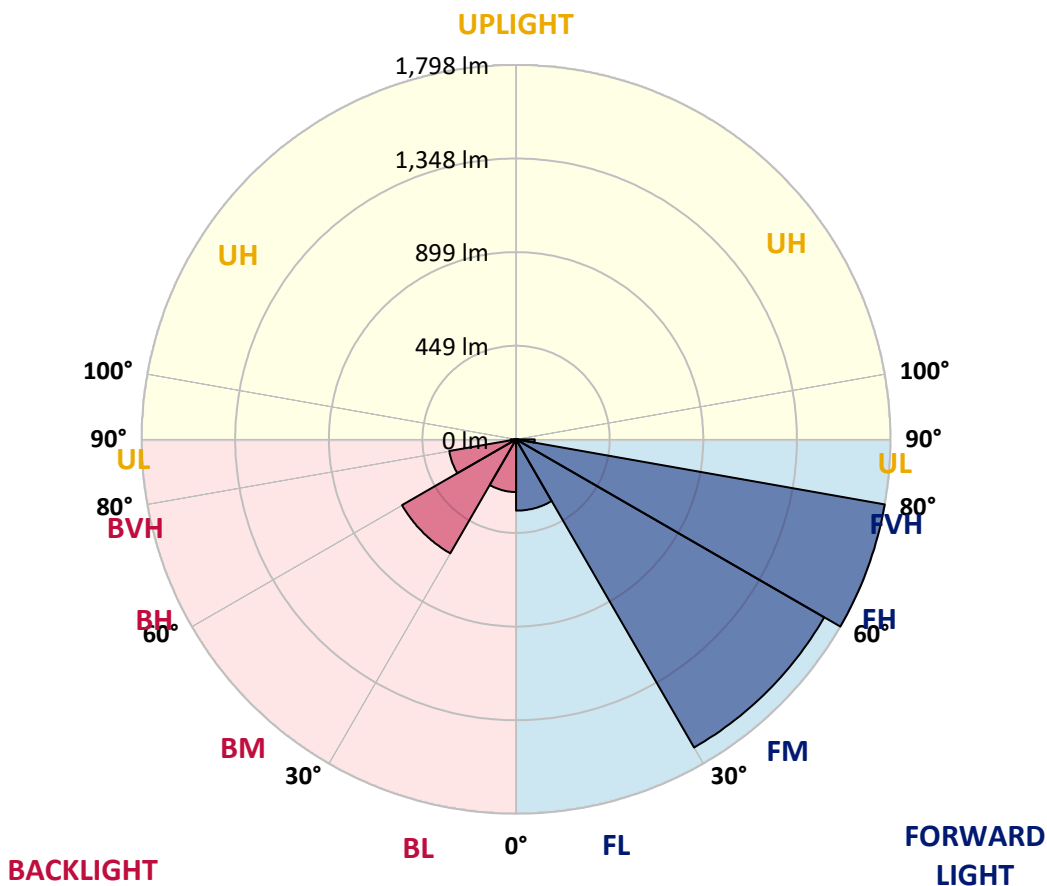
CATALOG NUMBER: GWS-SA1D-730-U-SLL-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 342.3 | 6.6 | | | |
| FM (30°-60°) | 1708.5 | 33.0 | | | |
| FH (60°-80°) | 1797.6 | 34.7 | | | G1/1800 |
| FVH (80°-90°) | 89.4 | 1.7 | | | G1/100 |
| BL (0°-30°) | 253.1 | 4.9 | B1/500 | | |
| BM (30°-60°) | 632.1 | 12.2 | B1/1000 | | |
| BH (60°-80°) | 325.8 | 6.3 | B1/500 | | G1/500 |
| BVH (80°-90°) | 26.4 | 0.5 | | | 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 III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 2° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 645.2 | 645.2 | 645.2 | 645.2 | 645.2 | 645.2 | 645.2 | 645.2 | 645.2 | 645.2 | 645.2 |
| 2.5° | 701.1 | 698.3 | 694.3 | 680.9 | 672.6 | 663.1 | 653.2 | 641.7 | 628.6 | 619.5 | 610.4 |
| 5° | 760.4 | 756.1 | 746.6 | 714.5 | 692.3 | 668.2 | 648.0 | 625.1 | 602.5 | 587.0 | 571.6 |
| 7.5° | 817.4 | 811.9 | 797.2 | 748.2 | 712.1 | 677.3 | 646.8 | 613.6 | 579.9 | 557.0 | 538.8 |
| 10° | 874.4 | 863.0 | 844.4 | 780.2 | 732.7 | 692.3 | 657.5 | 616.7 | 572.0 | 540.7 | 521.3 |
| 12.5° | 918.0 | 907.3 | 887.1 | 809.5 | 753.3 | 702.6 | 663.4 | 625.8 | 587.8 | 554.6 | 534.8 |
| 15° | 958.8 | 944.9 | 921.9 | 836.8 | 770.3 | 702.2 | 651.6 | 618.7 | 613.2 | 604.9 | 579.1 |
| 17.5° | 988.0 | 975.4 | 951.6 | 859.0 | 779.8 | 690.0 | 618.7 | 599.3 | 624.3 | 649.6 | 625.1 |
| 20° | 1013.8 | 999.1 | 975.0 | 874.4 | 781.8 | 662.7 | 578.7 | 579.1 | 618.3 | 653.2 | 647.2 |
| 22.5° | 1035.6 | 1019.3 | 997.9 | 891.9 | 781.0 | 624.7 | 543.9 | 567.7 | 606.8 | 634.2 | 634.9 |
| 25° | 1062.5 | 1049.0 | 1031.2 | 917.6 | 781.0 | 585.9 | 518.6 | 553.8 | 587.4 | 610.4 | 609.6 |
| 27.5° | 1095.3 | 1086.2 | 1071.6 | 956.8 | 788.1 | 553.4 | 504.3 | 536.0 | 562.5 | 582.3 | 581.9 |
| 30° | 1132.1 | 1123.8 | 1112.7 | 998.3 | 800.4 | 529.3 | 496.4 | 513.8 | 533.2 | 549.0 | 549.0 |
| 32.5° | 1169.7 | 1166.6 | 1154.7 | 1031.6 | 790.9 | 521.7 | 489.7 | 491.6 | 501.9 | 515.0 | 513.8 |
| 35° | 1222.0 | 1218.8 | 1203.8 | 1057.3 | 749.7 | 511.0 | 479.0 | 469.1 | 470.3 | 478.6 | 481.4 |
| 37.5° | 1298.4 | 1293.6 | 1271.5 | 1087.4 | 687.6 | 484.1 | 461.6 | 445.3 | 441.8 | 445.3 | 450.5 |
| 40° | 1390.6 | 1383.5 | 1353.4 | 1128.2 | 615.9 | 447.7 | 434.3 | 420.8 | 414.9 | 416.0 | 422.0 |
| 42.5° | 1506.2 | 1491.2 | 1448.0 | 1171.3 | 545.1 | 415.6 | 403.8 | 395.5 | 388.7 | 387.9 | 399.4 |
| 45° | 1693.9 | 1652.7 | 1584.2 | 1209.7 | 485.3 | 398.6 | 376.5 | 370.5 | 365.0 | 368.1 | 381.6 |
| 47.5° | 2021.6 | 1945.6 | 1812.2 | 1242.6 | 448.9 | 399.0 | 354.7 | 348.4 | 348.0 | 354.3 | 369.3 |
| 50° | 2472.1 | 2362.5 | 2156.6 | 1264.8 | 429.9 | 403.8 | 341.6 | 331.3 | 338.9 | 345.2 | 359.4 |
| 52.5° | 2903.6 | 2736.1 | 2491.1 | 1264.4 | 421.6 | 404.6 | 345.2 | 315.5 | 338.9 | 340.4 | 353.9 |
| 55° | 3272.1 | 2968.9 | 2581.4 | 1134.5 | 409.7 | 401.4 | 359.0 | 303.2 | 334.5 | 340.4 | 351.1 |
| 57.5° | 3565.1 | 3116.9 | 2574.6 | 916.4 | 445.7 | 384.0 | 367.4 | 300.5 | 321.8 | 341.2 | 353.5 |
| 60° | 3532.6 | 3049.3 | 2408.8 | 562.5 | 442.2 | 353.1 | 366.2 | 305.6 | 300.5 | 330.5 | 350.7 |
| 62.5° | 3316.9 | 2806.6 | 2123.4 | 390.3 | 415.2 | 335.3 | 346.8 | 314.7 | 280.7 | 315.1 | 337.3 |
| 65° | 3014.8 | 2493.5 | 1769.5 | 299.3 | 344.0 | 336.1 | 313.9 | 308.4 | 263.2 | 290.6 | 314.3 |
| 67.5° | 2615.4 | 2105.1 | 1397.0 | 237.1 | 239.9 | 291.0 | 285.0 | 273.9 | 247.0 | 268.8 | 290.2 |
| 70° | 1966.2 | 1536.3 | 961.1 | 190.8 | 181.7 | 243.1 | 256.1 | 246.2 | 231.2 | 237.5 | 260.1 |
| 72.5° | 1385.5 | 1003.1 | 526.5 | 151.2 | 140.1 | 186.8 | 222.5 | 220.9 | 204.3 | 209.0 | 231.2 |
| 75° | 1029.6 | 709.8 | 329.0 | 119.5 | 114.0 | 133.8 | 186.4 | 191.2 | 177.3 | 182.9 | 199.9 |
| 77.5° | 685.2 | 459.6 | 182.9 | 88.7 | 88.7 | 97.8 | 138.9 | 161.1 | 150.8 | 155.2 | 167.0 |
| 80° | 378.0 | 233.9 | 91.4 | 58.2 | 59.8 | 67.3 | 101.3 | 116.0 | 116.4 | 127.1 | 130.2 |
| 82.5° | 119.5 | 74.4 | 40.8 | 34.0 | 32.1 | 38.4 | 65.3 | 83.1 | 77.6 | 99.0 | 91.0 |
| 85° | 27.3 | 17.4 | 7.5 | 7.5 | 8.3 | 12.7 | 24.9 | 44.3 | 56.6 | 68.1 | 49.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 17.4 | 25.7 | 23.0 |
| 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):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 645.2 | 645.2 | 645.2 | 645.2 | 645.2 | 645.2 | 645.2 | 645.2 | 645.2 | 645.2 | 645.2 |
| 2.5° | 604.9 | 596.9 | 594.6 | 587.8 | 587.0 | 580.7 | 578.3 | 578.3 | 581.1 | 581.1 | 583.9 |
| 5° | 565.3 | 555.4 | 549.8 | 541.9 | 539.9 | 535.2 | 532.0 | 532.4 | 536.0 | 538.4 | 543.1 |
| 7.5° | 530.4 | 523.7 | 519.8 | 516.2 | 515.4 | 514.6 | 511.0 | 510.7 | 511.8 | 515.4 | 519.0 |
| 10° | 515.8 | 511.0 | 512.2 | 515.0 | 519.4 | 521.7 | 518.6 | 517.0 | 515.8 | 518.2 | 521.3 |
| 12.5° | 530.0 | 525.3 | 527.7 | 532.4 | 538.4 | 540.7 | 539.5 | 539.2 | 540.3 | 549.4 | 556.2 |
| 15° | 561.3 | 552.2 | 549.0 | 551.0 | 555.8 | 558.2 | 557.0 | 558.5 | 566.1 | 589.8 | 606.8 |
| 17.5° | 600.1 | 577.9 | 565.3 | 561.7 | 563.7 | 565.7 | 565.7 | 569.6 | 582.7 | 617.5 | 638.9 |
| 20° | 621.1 | 592.2 | 570.8 | 562.1 | 562.9 | 564.9 | 564.9 | 570.4 | 585.1 | 622.3 | 636.1 |
| 22.5° | 615.6 | 589.0 | 562.9 | 553.4 | 553.8 | 555.4 | 555.4 | 560.1 | 573.2 | 606.1 | 612.4 |
| 25° | 593.8 | 570.4 | 544.7 | 536.4 | 537.2 | 539.9 | 539.2 | 541.9 | 551.8 | 578.7 | 582.3 |
| 27.5° | 567.7 | 547.1 | 521.7 | 515.4 | 519.0 | 524.5 | 519.8 | 520.2 | 529.3 | 551.8 | 552.2 |
| 30° | 539.5 | 522.5 | 500.0 | 495.2 | 501.9 | 504.7 | 500.4 | 500.4 | 509.5 | 524.9 | 524.5 |
| 32.5° | 509.1 | 498.4 | 482.1 | 477.0 | 484.5 | 488.9 | 483.3 | 484.1 | 491.3 | 501.5 | 497.6 |
| 35° | 480.6 | 475.0 | 467.5 | 463.9 | 468.7 | 472.6 | 469.1 | 470.7 | 477.4 | 480.2 | 474.6 |
| 37.5° | 453.3 | 452.5 | 453.3 | 453.3 | 454.4 | 455.6 | 453.3 | 457.2 | 463.1 | 459.6 | 453.3 |
| 40° | 429.5 | 432.7 | 440.2 | 438.2 | 437.0 | 438.2 | 436.6 | 443.4 | 449.3 | 443.0 | 435.4 |
| 42.5° | 409.7 | 415.6 | 427.1 | 427.1 | 424.8 | 425.5 | 424.8 | 433.1 | 437.4 | 428.7 | 420.4 |
| 45° | 392.7 | 401.4 | 416.0 | 418.0 | 414.1 | 414.1 | 415.6 | 425.9 | 427.5 | 415.6 | 406.9 |
| 47.5° | 380.8 | 391.5 | 408.1 | 411.7 | 405.7 | 405.4 | 409.7 | 420.8 | 420.8 | 406.9 | 397.0 |
| 50° | 372.5 | 384.4 | 404.2 | 408.9 | 403.0 | 401.4 | 408.5 | 419.2 | 416.8 | 400.2 | 390.3 |
| 52.5° | 367.0 | 379.2 | 403.8 | 410.5 | 406.5 | 405.0 | 412.1 | 419.6 | 413.7 | 395.9 | 385.6 |
| 55° | 363.4 | 376.9 | 405.0 | 410.5 | 406.1 | 403.4 | 410.5 | 417.2 | 414.1 | 393.5 | 383.6 |
| 57.5° | 365.4 | 378.8 | 403.4 | 406.1 | 401.0 | 396.2 | 404.6 | 414.1 | 412.9 | 394.3 | 384.4 |
| 60° | 362.2 | 374.5 | 394.7 | 395.5 | 386.7 | 379.2 | 391.5 | 405.7 | 405.7 | 391.5 | 382.8 |
| 62.5° | 347.6 | 359.8 | 377.6 | 378.4 | 368.5 | 360.2 | 374.5 | 391.5 | 391.1 | 379.6 | 370.5 |
| 65° | 323.4 | 334.9 | 355.1 | 357.1 | 347.2 | 338.5 | 353.1 | 368.9 | 370.1 | 359.8 | 351.9 |
| 67.5° | 296.9 | 307.2 | 322.2 | 330.1 | 321.8 | 312.7 | 326.2 | 341.2 | 340.8 | 328.6 | 320.2 |
| 70° | 265.2 | 274.7 | 288.6 | 295.3 | 290.2 | 281.5 | 293.7 | 301.6 | 298.1 | 292.1 | 286.6 |
| 72.5° | 233.9 | 243.1 | 256.1 | 256.1 | 250.6 | 242.3 | 245.8 | 260.1 | 264.4 | 260.1 | 256.5 |
| 75° | 201.1 | 209.0 | 218.1 | 220.1 | 207.8 | 192.8 | 209.4 | 221.7 | 226.8 | 224.8 | 220.5 |
| 77.5° | 167.4 | 173.4 | 186.8 | 183.3 | 160.3 | 152.4 | 165.9 | 184.1 | 187.6 | 186.4 | 180.5 |
| 80° | 129.0 | 132.6 | 146.9 | 139.7 | 121.9 | 116.8 | 122.7 | 137.0 | 137.8 | 133.8 | 126.3 |
| 82.5° | 86.7 | 91.4 | 100.9 | 87.1 | 86.7 | 81.9 | 77.2 | 78.8 | 85.9 | 85.1 | 80.0 |
| 85° | 44.3 | 46.7 | 55.8 | 52.3 | 44.7 | 38.8 | 36.8 | 39.2 | 35.2 | 32.1 | 27.7 |
| 87.5° | 18.6 | 20.2 | 27.7 | 15.4 | 4.8 | 0.0 | 0.0 | 2.4 | 3.6 | 5.1 | 5.5 |
| 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: GWS-SA1D-730-U-SLL-W

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|
| 0° | 645.2 | 645.2 | 645.2 | 645.2 | 645.2 | 645.2 | 645.2 | 645.2 | 645.2 | 645.2 | 645.2 |
| 2.5° | 590.2 | 594.6 | 605.3 | 618.7 | 631.8 | 645.2 | 659.9 | 669.0 | 680.1 | 694.3 | 694.7 |
| 5° | 549.0 | 558.9 | 574.4 | 595.0 | 616.3 | 640.9 | 669.4 | 693.1 | 721.6 | 744.2 | 753.3 |
| 7.5° | 523.7 | 538.0 | 557.4 | 583.5 | 611.6 | 642.1 | 679.3 | 719.3 | 766.0 | 796.1 | 813.9 |
| 10° | 526.1 | 547.9 | 567.3 | 589.4 | 614.8 | 647.6 | 695.5 | 748.6 | 806.0 | 845.5 | 867.7 |
| 12.5° | 568.4 | 591.4 | 587.8 | 586.7 | 603.7 | 643.7 | 708.6 | 778.2 | 848.3 | 887.9 | 914.4 |
| 15° | 621.9 | 630.6 | 596.9 | 571.6 | 581.9 | 629.4 | 715.7 | 804.8 | 883.5 | 931.8 | 958.0 |
| 17.5° | 649.2 | 631.8 | 591.0 | 553.0 | 550.2 | 607.6 | 719.3 | 831.7 | 923.1 | 971.4 | 999.1 |
| 20° | 636.5 | 611.2 | 576.8 | 540.7 | 520.9 | 577.9 | 717.3 | 853.1 | 959.2 | 1013.0 | 1035.6 |
| 22.5° | 609.2 | 587.0 | 560.1 | 525.7 | 497.2 | 545.5 | 712.1 | 874.4 | 991.2 | 1045.4 | 1065.2 |
| 25° | 579.5 | 562.9 | 540.7 | 510.7 | 483.7 | 517.0 | 708.6 | 902.9 | 1028.0 | 1079.9 | 1092.6 |
| 27.5° | 549.8 | 537.6 | 519.4 | 496.0 | 480.6 | 497.2 | 709.8 | 940.2 | 1075.5 | 1124.6 | 1119.5 |
| 30° | 520.5 | 509.9 | 497.2 | 486.9 | 480.2 | 492.4 | 706.6 | 979.7 | 1127.8 | 1173.3 | 1142.8 |
| 32.5° | 492.8 | 482.9 | 475.0 | 476.6 | 480.6 | 494.4 | 690.4 | 1015.8 | 1175.7 | 1214.5 | 1168.2 |
| 35° | 469.1 | 458.8 | 458.8 | 464.3 | 479.0 | 487.7 | 648.4 | 1043.9 | 1228.7 | 1267.5 | 1204.2 |
| 37.5° | 446.9 | 437.8 | 443.8 | 452.9 | 466.7 | 469.5 | 594.6 | 1071.2 | 1305.9 | 1342.3 | 1260.0 |
| 40° | 427.5 | 418.4 | 429.1 | 440.6 | 447.7 | 446.5 | 539.9 | 1109.2 | 1397.0 | 1434.6 | 1334.0 |
| 42.5° | 412.1 | 403.8 | 413.3 | 427.9 | 429.1 | 430.3 | 500.0 | 1145.6 | 1502.7 | 1550.6 | 1461.5 |
| 45° | 399.4 | 393.5 | 398.2 | 412.9 | 412.9 | 431.1 | 475.0 | 1176.1 | 1661.8 | 1746.5 | 1695.4 |
| 47.5° | 389.5 | 386.0 | 388.3 | 393.1 | 401.0 | 445.3 | 459.2 | 1199.4 | 1951.6 | 2117.8 | 2066.4 |
| 50° | 384.0 | 380.4 | 383.6 | 373.7 | 397.4 | 452.5 | 454.0 | 1217.2 | 2333.6 | 2594.0 | 2530.3 |
| 52.5° | 379.2 | 378.0 | 380.0 | 357.1 | 405.4 | 447.7 | 450.1 | 1193.5 | 2589.7 | 3062.7 | 3125.7 |
| 55° | 377.6 | 378.4 | 368.9 | 344.8 | 414.9 | 431.9 | 438.2 | 1023.7 | 2659.3 | 3466.9 | 3857.6 |
| 57.5° | 378.4 | 376.1 | 351.9 | 346.0 | 415.2 | 400.2 | 455.2 | 730.3 | 2558.0 | 3642.6 | 4573.7 |
| 60° | 375.7 | 363.8 | 331.3 | 356.7 | 397.0 | 363.0 | 443.0 | 476.2 | 2290.8 | 3507.7 | 4615.2 |
| 62.5° | 363.4 | 346.0 | 313.5 | 362.6 | 364.6 | 340.8 | 402.2 | 367.0 | 1934.5 | 3218.7 | 4214.6 |
| 65° | 345.6 | 322.2 | 298.5 | 350.3 | 331.7 | 330.5 | 302.4 | 294.1 | 1555.7 | 2874.7 | 3834.6 |
| 67.5° | 316.3 | 292.9 | 287.4 | 322.2 | 298.5 | 292.9 | 243.1 | 243.8 | 1241.4 | 2508.1 | 3452.6 |
| 70° | 283.0 | 259.7 | 264.0 | 291.3 | 265.6 | 243.4 | 196.7 | 203.1 | 941.7 | 2089.7 | 2937.6 |
| 72.5° | 261.3 | 230.0 | 230.4 | 256.5 | 233.6 | 197.1 | 161.9 | 167.4 | 597.7 | 1575.1 | 2335.5 |
| 75° | 220.5 | 202.7 | 194.0 | 207.8 | 198.3 | 153.6 | 136.2 | 135.0 | 354.3 | 1129.0 | 1748.9 |
| 77.5° | 184.1 | 170.2 | 165.9 | 171.4 | 148.0 | 113.6 | 109.7 | 107.7 | 200.7 | 723.2 | 1146.0 |
| 80° | 133.4 | 129.8 | 129.4 | 132.2 | 114.0 | 83.5 | 83.5 | 83.9 | 108.1 | 392.7 | 646.0 |
| 82.5° | 84.7 | 92.6 | 81.9 | 91.0 | 77.6 | 59.4 | 55.4 | 62.9 | 62.1 | 167.4 | 272.3 |
| 85° | 35.2 | 48.3 | 45.1 | 47.9 | 36.8 | 32.5 | 34.8 | 37.6 | 36.0 | 64.5 | 106.1 |
| 87.5° | 6.7 | 7.9 | 8.7 | 8.3 | 8.3 | 10.3 | 11.5 | 13.9 | 13.9 | 18.6 | 32.1 |
| 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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| 62.5° | 4128.7 | 4069.8 | 5550.3 | 6316.6 | 5777.5 | 4274.0 | 4196.8 | 4227.3 | 3743.2 | 3316.9 |
| 65° | 3622.5 | 3754.3 | 5333.7 | 5909.3 | 5547.5 | 3987.8 | 3796.2 | 3913.8 | 3444.3 | 3014.8 |
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| 85° | 228.8 | 264.8 | 360.6 | 194.0 | 281.8 | 173.4 | 101.3 | 43.1 | 36.0 | 27.3 |
| 87.5° | 44.3 | 68.5 | 37.6 | 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 |

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