

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: P630343

Luminaire Tested: GWS-SA1D-740-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630343
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-42)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-740-U-SLR-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT ELIMINATOR RIGHT OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3235 lumens
Efficiency: N/A
Efficacy: 73.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

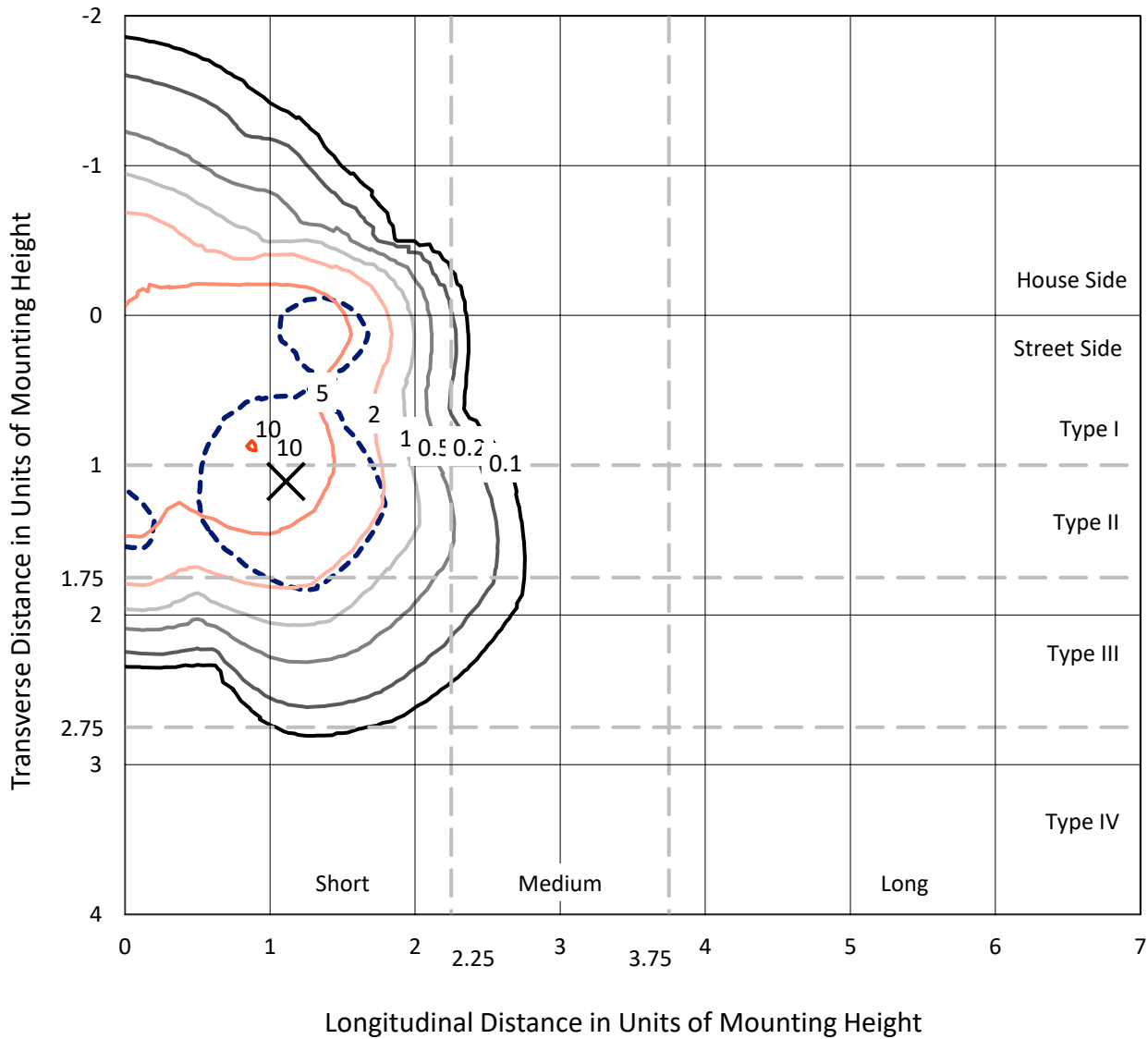
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

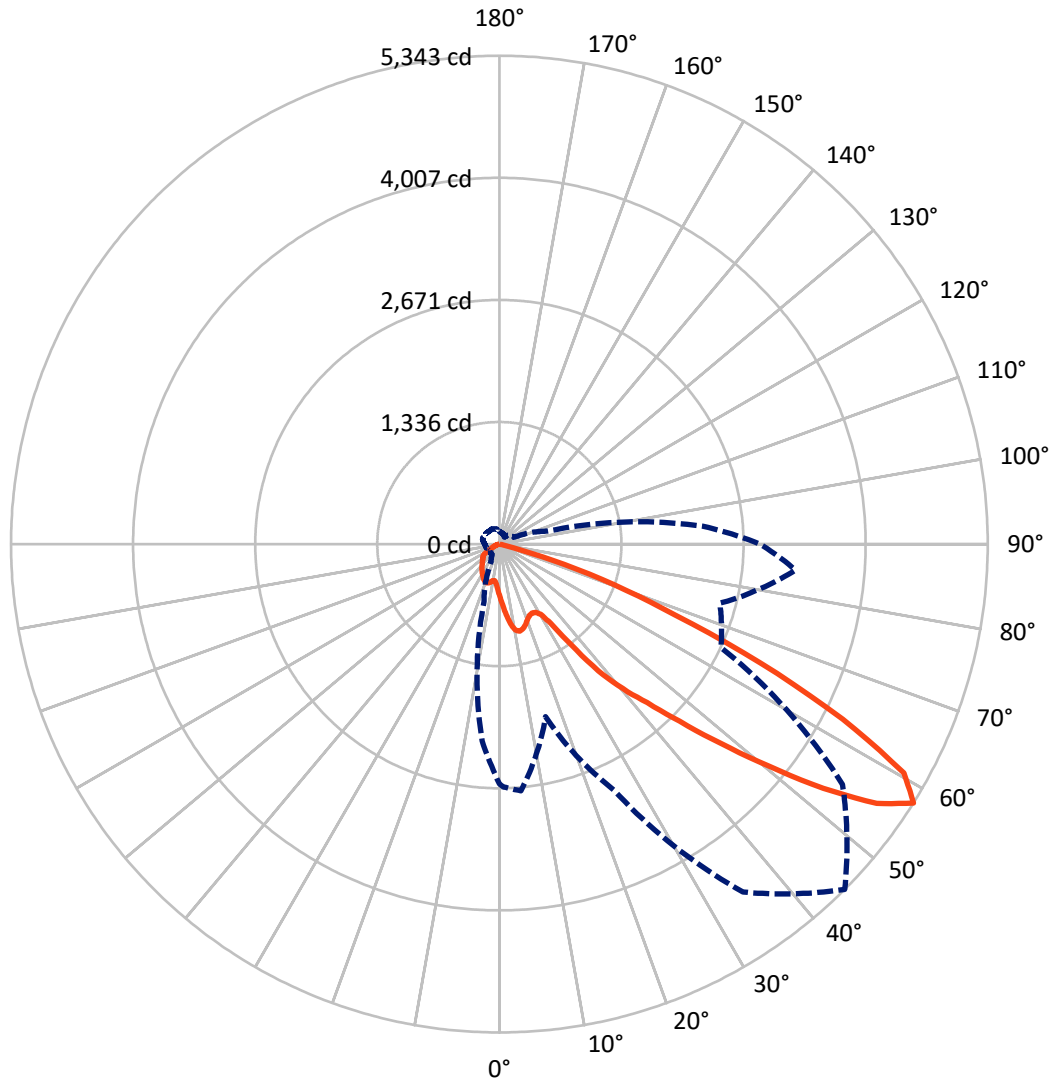
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 724.4 | 0.0 | 724.4 |
| | % Fixture | 22.4 | 0.0 | 22.4 |
| Street Side | Lumens | 2510.6 | 0.0 | 2510.6 |
| | % Fixture | 77.6 | 0.0 | 77.6 |
| Total | Lumens | 3235.0 | 0.0 | 3235.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 55.9 | 1.7 |
| 10°-20° | 180.9 | 5.6 |
| 20°-30° | 293.9 | 9.1 |
| 30°-40° | 454.2 | 14.0 |
| 40°-50° | 728.3 | 22.5 |
| 50°-60° | 995.4 | 30.8 |
| 60°-70° | 482.1 | 14.9 |
| 70°-80° | 44.1 | 1.4 |
| 80°-90° | 0.1 | 0.0 |
| 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° | 3235.0 | 100.0 |
| 0°-180° | 3235.0 | 100.0 |

Coefficient of Utilization



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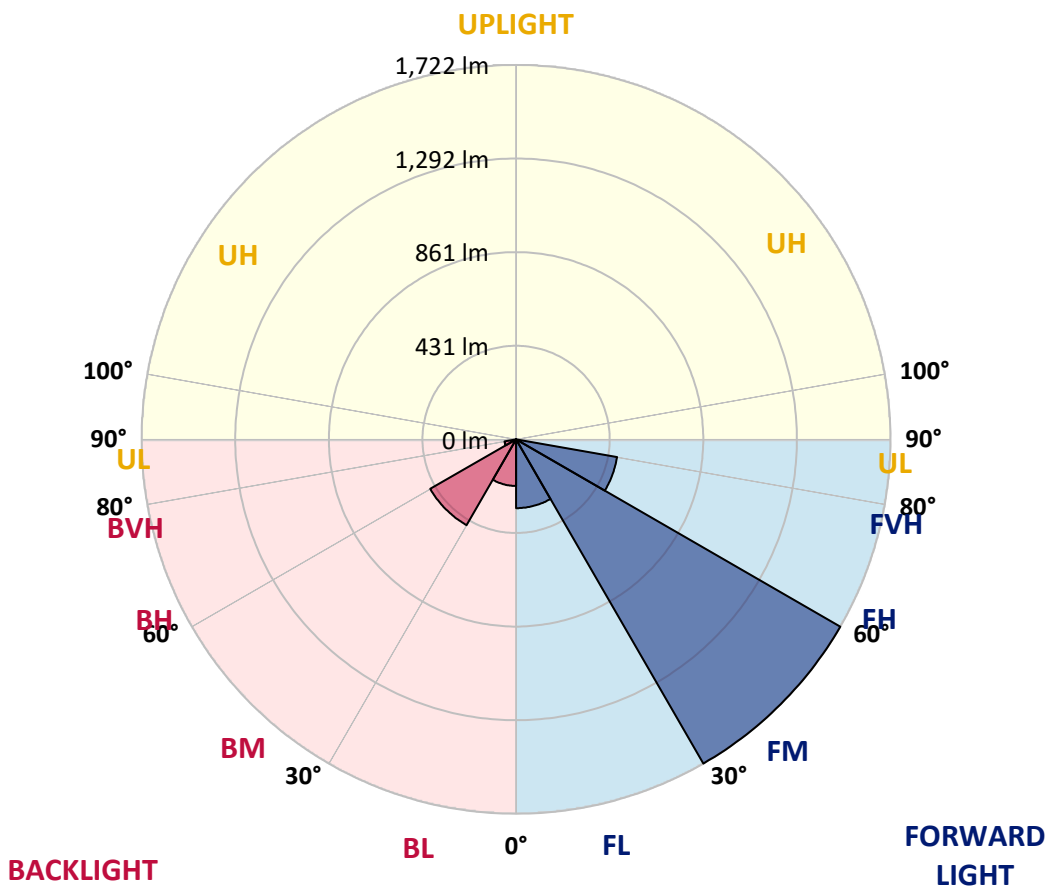
CATALOG NUMBER: GWS-SA1D-740-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 316.5 | 9.8 | | | |
| FM (30°-60°) | 1722.1 | 53.2 | | | |
| FH (60°-80°) | 471.9 | 14.6 | | | G0/660 |
| FVH (80°-90°) | 0.1 | 0.0 | | | G0/10 |
| BL (0°-30°) | 214.3 | 6.6 | B1/500 | | |
| BM (30°-60°) | 455.8 | 14.1 | B1/1000 | | |
| BH (60°-80°) | 54.3 | 1.7 | B0/110 | | G0/110 |
| BVH (80°-90°) | 0.0 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G0

Type III Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 568.6 | 568.6 | 568.6 | 568.6 | 568.6 | 568.6 | 568.6 | 568.6 | 568.6 | 568.6 | 568.6 |
| 2.5° | 616.0 | 619.9 | 626.4 | 640.3 | 652.0 | 659.9 | 663.4 | 662.5 | 657.7 | 654.2 | 647.3 |
| 5° | 682.0 | 682.0 | 694.6 | 726.4 | 750.7 | 765.9 | 773.8 | 769.0 | 759.4 | 744.2 | 720.7 |
| 7.5° | 739.9 | 742.0 | 763.3 | 808.5 | 845.5 | 867.2 | 879.8 | 877.2 | 860.3 | 831.1 | 784.2 |
| 10° | 785.1 | 787.7 | 815.9 | 871.1 | 914.6 | 936.8 | 955.5 | 957.2 | 938.5 | 899.8 | 845.9 |
| 12.5° | 829.0 | 831.6 | 861.1 | 914.2 | 952.4 | 961.6 | 978.1 | 984.6 | 979.8 | 952.4 | 896.3 |
| 15° | 876.4 | 882.4 | 907.7 | 947.2 | 963.3 | 952.4 | 963.3 | 975.0 | 991.1 | 988.5 | 938.1 |
| 17.5° | 922.9 | 927.2 | 952.9 | 966.8 | 948.9 | 920.7 | 925.9 | 939.8 | 976.3 | 1012.0 | 979.4 |
| 20° | 965.9 | 972.0 | 993.3 | 975.0 | 921.1 | 877.2 | 877.7 | 895.9 | 951.6 | 1026.3 | 1021.5 |
| 22.5° | 1011.1 | 1020.2 | 1035.5 | 984.2 | 895.5 | 842.9 | 845.1 | 861.6 | 932.0 | 1039.8 | 1069.4 |
| 25° | 1070.2 | 1078.9 | 1088.9 | 1006.8 | 887.2 | 825.9 | 834.2 | 849.4 | 932.0 | 1062.8 | 1128.5 |
| 27.5° | 1150.2 | 1156.3 | 1156.7 | 1048.9 | 901.6 | 828.5 | 845.9 | 863.3 | 959.8 | 1108.9 | 1207.6 |
| 30° | 1250.6 | 1260.2 | 1247.6 | 1114.6 | 946.3 | 863.3 | 889.0 | 910.7 | 1019.8 | 1186.7 | 1324.1 |
| 32.5° | 1372.8 | 1386.3 | 1369.3 | 1211.9 | 1039.8 | 983.3 | 1029.8 | 1042.4 | 1115.4 | 1299.3 | 1456.2 |
| 35° | 1516.2 | 1527.5 | 1509.3 | 1346.7 | 1258.0 | 1268.5 | 1352.8 | 1336.7 | 1307.6 | 1438.0 | 1610.6 |
| 37.5° | 1673.6 | 1684.0 | 1648.8 | 1551.0 | 1580.6 | 1625.8 | 1760.5 | 1705.3 | 1611.4 | 1616.6 | 1777.9 |
| 40° | 1817.9 | 1829.2 | 1774.0 | 1773.1 | 1834.0 | 1916.6 | 2079.2 | 2003.1 | 1875.3 | 1850.5 | 1934.8 |
| 42.5° | 1967.4 | 1975.3 | 1925.3 | 1891.4 | 2029.6 | 2199.6 | 2371.7 | 2269.1 | 2050.0 | 2023.1 | 2131.3 |
| 45° | 2180.9 | 2197.4 | 2108.3 | 1949.6 | 2205.7 | 2525.2 | 2765.1 | 2564.7 | 2169.1 | 2147.4 | 2432.1 |
| 47.5° | 2494.7 | 2506.9 | 2325.2 | 1986.1 | 2369.5 | 2930.7 | 3256.8 | 2948.1 | 2273.9 | 2224.4 | 2843.4 |
| 50° | 2754.3 | 2762.5 | 2524.7 | 2026.1 | 2543.9 | 3368.0 | 3817.1 | 3402.8 | 2391.7 | 2351.7 | 3227.2 |
| 52.5° | 2945.5 | 2976.8 | 2786.9 | 2108.3 | 2772.9 | 3882.3 | 4437.4 | 3941.4 | 2575.6 | 2597.8 | 3545.4 |
| 55° | 2985.1 | 3027.7 | 2965.9 | 2158.7 | 2974.6 | 4406.1 | 5010.3 | 4423.5 | 2759.0 | 2784.2 | 3652.3 |
| 57.5° | 2623.4 | 2657.3 | 2708.6 | 1955.3 | 2969.9 | 4646.1 | 5342.9 | 4583.5 | 2675.6 | 2496.9 | 3252.0 |
| 60° | 1965.3 | 1988.7 | 2081.8 | 1494.5 | 2731.2 | 4433.9 | 5083.8 | 4311.3 | 2339.5 | 1905.3 | 2477.8 |
| 62.5° | 1165.4 | 1175.9 | 1293.7 | 968.1 | 2267.0 | 3818.4 | 4216.1 | 3720.2 | 1848.8 | 1281.5 | 1517.5 |
| 65° | 447.3 | 443.0 | 532.9 | 477.7 | 1667.1 | 3041.6 | 3135.9 | 2836.0 | 1268.5 | 587.3 | 578.6 |
| 67.5° | 69.1 | 66.1 | 89.1 | 141.3 | 1202.4 | 2107.9 | 2069.2 | 2044.0 | 794.6 | 136.9 | 119.5 |
| 70° | 15.6 | 15.6 | 19.1 | 41.7 | 734.6 | 1238.5 | 1325.4 | 1263.7 | 508.6 | 29.1 | 15.6 |
| 72.5° | 7.4 | 7.4 | 9.1 | 17.8 | 266.0 | 510.3 | 594.7 | 585.5 | 165.2 | 9.6 | 5.7 |
| 75° | 2.6 | 3.0 | 3.0 | 3.9 | 16.1 | 26.5 | 60.9 | 43.5 | 10.4 | 0.0 | 0.0 |
| 77.5° | 0.9 | 0.9 | 0.9 | 0.9 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.4 | 0.4 | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.4 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 568.6 | 568.6 | 568.6 | 568.6 | 568.6 | 568.6 | 568.6 | 568.6 | 568.6 | 568.6 | 568.6 |
| 2.5° | 632.1 | 629.0 | 617.7 | 602.5 | 587.7 | 574.7 | 561.2 | 545.1 | 533.4 | 519.9 | 515.6 |
| 5° | 702.5 | 683.3 | 652.5 | 620.3 | 590.8 | 565.5 | 541.2 | 515.1 | 496.0 | 476.9 | 470.3 |
| 7.5° | 762.0 | 733.8 | 683.8 | 635.5 | 595.1 | 559.5 | 524.2 | 488.6 | 460.8 | 438.2 | 431.2 |
| 10° | 815.5 | 782.9 | 715.9 | 656.4 | 605.5 | 564.2 | 521.6 | 476.9 | 440.8 | 413.8 | 407.3 |
| 12.5° | 861.6 | 823.8 | 743.3 | 672.0 | 609.9 | 562.5 | 521.2 | 485.6 | 453.0 | 422.1 | 413.8 |
| 15° | 900.3 | 858.5 | 766.4 | 682.5 | 603.4 | 540.8 | 504.7 | 499.0 | 496.4 | 462.5 | 446.4 |
| 17.5° | 938.1 | 891.1 | 785.1 | 687.3 | 585.1 | 502.5 | 476.4 | 502.1 | 529.5 | 507.3 | 486.9 |
| 20° | 977.6 | 924.2 | 804.2 | 688.1 | 554.7 | 459.5 | 455.1 | 495.6 | 530.3 | 523.4 | 504.3 |
| 22.5° | 1024.2 | 965.5 | 828.1 | 687.7 | 516.4 | 423.0 | 439.5 | 483.0 | 511.2 | 510.8 | 495.6 |
| 25° | 1091.5 | 1017.6 | 860.3 | 690.3 | 474.7 | 394.7 | 422.1 | 461.7 | 484.7 | 483.8 | 471.2 |
| 27.5° | 1163.7 | 1079.8 | 902.0 | 696.8 | 439.0 | 378.2 | 401.7 | 432.5 | 452.5 | 451.7 | 440.8 |
| 30° | 1265.0 | 1151.5 | 942.0 | 697.3 | 413.4 | 369.5 | 379.1 | 400.4 | 419.5 | 417.3 | 409.1 |
| 32.5° | 1388.0 | 1232.4 | 975.5 | 672.5 | 397.3 | 361.2 | 355.6 | 366.5 | 381.2 | 378.2 | 376.0 |
| 35° | 1536.7 | 1328.4 | 1004.2 | 618.1 | 372.5 | 344.7 | 329.5 | 331.7 | 342.1 | 343.8 | 343.0 |
| 37.5° | 1706.2 | 1442.8 | 1039.8 | 546.4 | 339.1 | 320.8 | 300.4 | 298.6 | 304.7 | 310.4 | 314.7 |
| 40° | 1873.6 | 1571.4 | 1088.1 | 473.8 | 308.6 | 290.4 | 270.8 | 266.5 | 269.1 | 279.1 | 288.2 |
| 42.5° | 2061.8 | 1720.5 | 1140.2 | 411.7 | 287.8 | 256.9 | 238.2 | 230.0 | 237.3 | 253.4 | 264.3 |
| 45° | 2333.0 | 1929.6 | 1191.1 | 362.1 | 279.1 | 227.3 | 202.1 | 201.3 | 209.5 | 230.4 | 242.6 |
| 47.5° | 2713.8 | 2200.0 | 1224.5 | 323.4 | 278.6 | 204.3 | 174.3 | 179.5 | 189.1 | 209.5 | 223.4 |
| 50° | 3085.1 | 2538.6 | 1187.6 | 293.9 | 269.5 | 189.1 | 153.4 | 163.9 | 173.4 | 191.3 | 205.6 |
| 52.5° | 3308.9 | 2720.8 | 1043.7 | 266.0 | 241.3 | 182.1 | 133.0 | 151.3 | 153.0 | 169.1 | 184.3 |
| 55° | 3285.5 | 2603.0 | 799.4 | 223.0 | 199.5 | 172.1 | 111.7 | 136.5 | 137.4 | 149.5 | 162.6 |
| 57.5° | 2851.6 | 2234.8 | 549.0 | 180.8 | 150.0 | 142.1 | 92.2 | 115.2 | 123.5 | 130.8 | 140.4 |
| 60° | 2125.2 | 1630.6 | 244.7 | 146.9 | 95.2 | 96.1 | 78.7 | 86.9 | 99.5 | 108.2 | 116.5 |
| 62.5° | 1252.4 | 938.1 | 99.5 | 88.2 | 52.6 | 60.4 | 63.5 | 63.5 | 71.3 | 77.8 | 83.0 |
| 65° | 473.4 | 328.2 | 40.4 | 44.3 | 27.4 | 28.3 | 37.4 | 46.1 | 52.2 | 57.8 | 64.8 |
| 67.5° | 83.0 | 57.4 | 20.9 | 16.5 | 16.1 | 14.3 | 19.1 | 30.0 | 33.5 | 37.8 | 40.9 |
| 70° | 13.9 | 11.7 | 8.7 | 8.3 | 7.4 | 7.8 | 12.6 | 21.3 | 23.5 | 24.8 | 26.1 |
| 72.5° | 3.9 | 3.5 | 2.6 | 2.2 | 1.7 | 2.2 | 7.8 | 16.5 | 17.4 | 18.3 | 19.6 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.0 | 11.7 | 12.6 | 13.0 | 14.3 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.6 | 3.5 | 4.3 | 3.5 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 0.0 |



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CATALOG NUMBER: GWS-SA1D-740-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 568.6 | 568.6 | 568.6 | 568.6 | 568.6 | 568.6 | 568.6 | 568.6 | 568.6 | 568.6 | 568.6 |
| 2.5° | 512.9 | 504.3 | 499.5 | 496.9 | 496.9 | 493.4 | 489.5 | 488.2 | 493.8 | 493.8 | 503.4 |
| 5° | 462.1 | 455.1 | 447.3 | 442.5 | 435.1 | 436.4 | 432.1 | 431.7 | 437.3 | 439.9 | 449.9 |
| 7.5° | 426.9 | 418.2 | 413.4 | 410.4 | 406.4 | 404.7 | 400.8 | 399.5 | 402.5 | 406.9 | 416.4 |
| 10° | 403.4 | 402.1 | 401.7 | 403.8 | 403.8 | 401.7 | 398.2 | 396.0 | 396.9 | 405.1 | 416.0 |
| 12.5° | 409.5 | 412.1 | 413.0 | 416.4 | 418.2 | 416.4 | 413.8 | 414.7 | 420.4 | 435.6 | 451.7 |
| 15° | 436.0 | 433.8 | 433.0 | 434.7 | 436.0 | 434.3 | 433.4 | 439.9 | 459.5 | 481.2 | 499.5 |
| 17.5° | 464.3 | 450.3 | 444.3 | 444.3 | 445.1 | 444.3 | 445.1 | 457.7 | 489.5 | 511.2 | 524.7 |
| 20° | 478.6 | 453.0 | 443.4 | 441.2 | 443.0 | 443.4 | 446.4 | 460.8 | 495.6 | 510.8 | 513.8 |
| 22.5° | 474.3 | 442.1 | 431.2 | 429.5 | 431.2 | 433.0 | 436.0 | 448.2 | 480.8 | 488.6 | 487.3 |
| 25° | 452.5 | 420.8 | 412.1 | 412.1 | 416.0 | 415.6 | 416.9 | 425.6 | 452.5 | 457.3 | 455.1 |
| 27.5° | 425.1 | 395.1 | 387.8 | 392.1 | 395.6 | 394.7 | 395.1 | 402.5 | 422.5 | 423.8 | 421.7 |
| 30° | 397.3 | 371.2 | 364.3 | 369.5 | 374.3 | 373.4 | 373.8 | 381.2 | 393.8 | 392.5 | 389.5 |
| 32.5° | 369.1 | 349.9 | 344.7 | 347.8 | 355.1 | 354.3 | 356.0 | 363.8 | 368.6 | 363.0 | 359.5 |
| 35° | 343.0 | 333.0 | 329.1 | 330.8 | 336.5 | 337.8 | 340.8 | 346.0 | 346.0 | 339.1 | 333.0 |
| 37.5° | 318.6 | 317.3 | 314.7 | 312.5 | 317.8 | 321.7 | 326.0 | 332.1 | 323.4 | 313.4 | 307.8 |
| 40° | 296.0 | 301.7 | 298.2 | 292.6 | 295.6 | 301.2 | 309.9 | 314.7 | 304.3 | 294.3 | 284.7 |
| 42.5° | 275.2 | 284.7 | 283.4 | 276.5 | 279.1 | 284.3 | 294.3 | 298.2 | 286.0 | 274.7 | 265.6 |
| 45° | 255.2 | 268.6 | 269.5 | 260.8 | 263.4 | 268.6 | 280.4 | 281.7 | 266.0 | 253.9 | 247.3 |
| 47.5° | 237.8 | 252.6 | 253.0 | 246.5 | 247.3 | 254.7 | 265.6 | 266.0 | 248.2 | 236.9 | 228.7 |
| 50° | 221.3 | 238.2 | 239.5 | 233.9 | 234.7 | 243.4 | 252.6 | 250.8 | 231.7 | 220.0 | 212.6 |
| 52.5° | 201.3 | 224.3 | 227.3 | 224.7 | 228.2 | 235.2 | 240.8 | 234.7 | 212.6 | 200.8 | 194.3 |
| 55° | 179.5 | 209.5 | 216.0 | 214.3 | 218.2 | 223.9 | 225.2 | 221.3 | 193.4 | 181.7 | 175.6 |
| 57.5° | 154.3 | 172.6 | 183.9 | 180.4 | 183.4 | 189.1 | 193.0 | 190.0 | 169.1 | 160.0 | 154.8 |
| 60° | 127.8 | 140.0 | 142.6 | 136.9 | 134.3 | 144.3 | 153.4 | 149.5 | 131.7 | 126.1 | 120.0 |
| 62.5° | 93.5 | 107.4 | 109.1 | 101.7 | 98.7 | 109.5 | 117.4 | 113.5 | 93.9 | 87.8 | 83.0 |
| 65° | 74.8 | 87.8 | 91.3 | 84.3 | 82.6 | 90.9 | 95.6 | 86.1 | 72.2 | 65.6 | 60.4 |
| 67.5° | 49.1 | 59.6 | 68.7 | 68.2 | 64.8 | 67.4 | 63.9 | 56.1 | 46.1 | 42.6 | 39.1 |
| 70° | 30.4 | 36.5 | 42.2 | 44.3 | 43.9 | 43.0 | 38.3 | 32.6 | 29.6 | 28.3 | 26.5 |
| 72.5° | 23.5 | 29.6 | 33.9 | 35.2 | 35.6 | 34.3 | 30.4 | 25.2 | 22.2 | 20.4 | 19.1 |
| 75° | 17.4 | 22.2 | 25.6 | 27.4 | 28.3 | 27.4 | 23.5 | 20.0 | 17.0 | 15.6 | 14.3 |
| 77.5° | 6.1 | 7.4 | 9.1 | 10.0 | 9.6 | 9.1 | 8.3 | 8.3 | 6.5 | 6.1 | 5.2 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 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 | 0.0 |



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| 70° | 23.5 | 19.6 | 12.6 | 12.2 | 14.8 | 14.8 | 13.9 | 14.8 | 15.6 | 15.6 |
| 72.5° | 17.4 | 14.8 | 7.4 | 6.5 | 8.3 | 8.7 | 7.8 | 7.4 | 7.4 | 7.4 |
| 75° | 13.0 | 10.4 | 4.3 | 3.0 | 3.9 | 5.2 | 4.3 | 3.0 | 3.0 | 2.6 |
| 77.5° | 5.2 | 3.9 | 1.7 | 1.3 | 2.2 | 3.0 | 2.6 | 1.3 | 0.9 | 0.9 |
| 80° | 0.4 | 0.9 | 0.9 | 0.9 | 1.3 | 1.7 | 2.2 | 0.9 | 0.4 | 0.4 |
| 82.5° | 0.0 | 0.4 | 0.4 | 0.4 | 0.9 | 1.3 | 1.7 | 0.9 | 0.4 | 0.4 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.9 | 1.3 | 0.9 | 0.4 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.4 | 1.3 | 0.9 | 0.4 | 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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