

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: P630893

Luminaire Tested: GWS-SA1E-750-U-SLR-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630893
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-SA1E-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4135.3 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G0

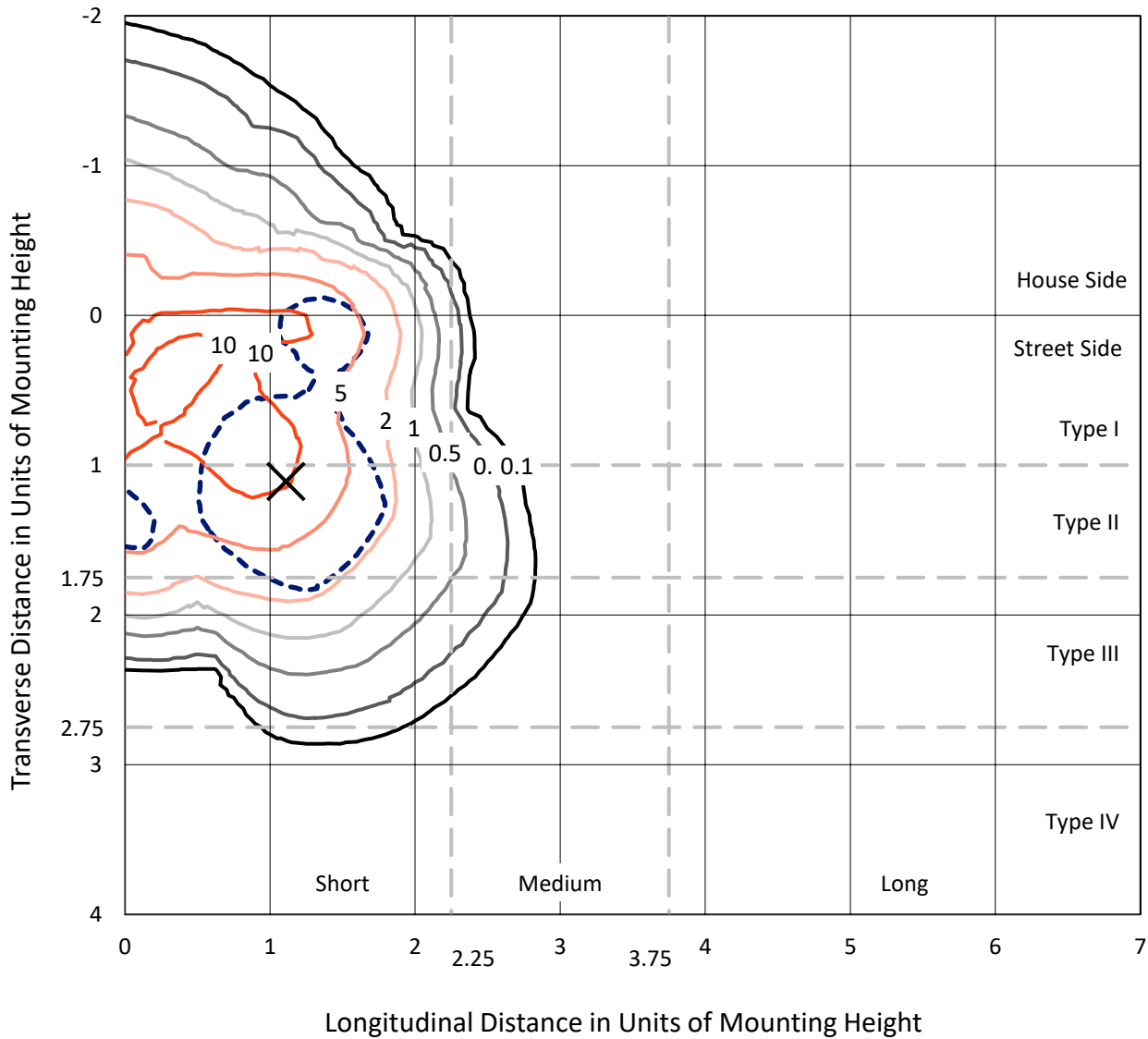
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

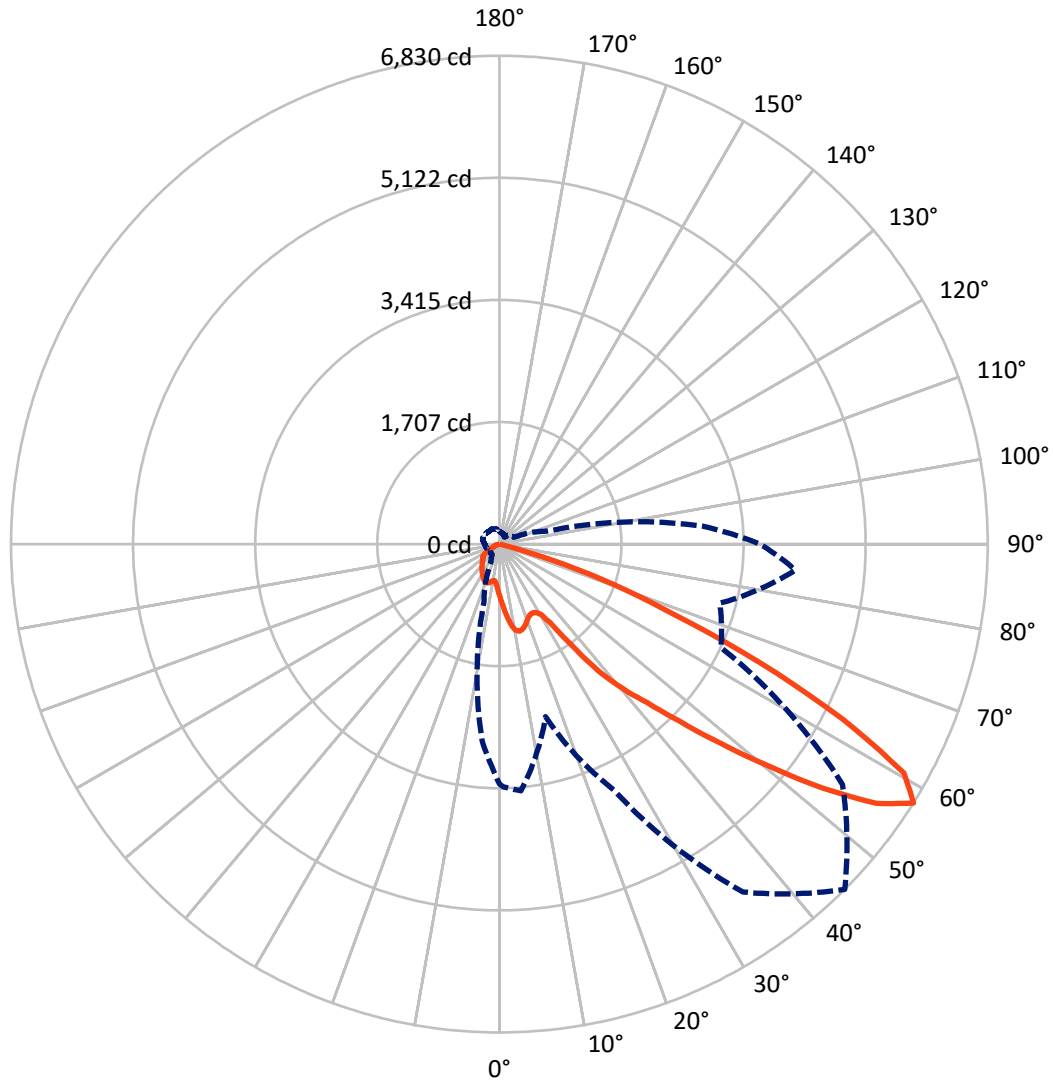
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.9 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 | 926.0 | 0.0 | 926.0 |
| | % Fixture | 22.4 | 0.0 | 22.4 |
| Street Side | Lumens | 3209.3 | 0.0 | 3209.3 |
| | % Fixture | 77.6 | 0.0 | 77.6 |
| Total | Lumens | 4135.3 | 0.0 | 4135.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 71.5 | 1.7 |
| 10°-20° | 231.3 | 5.6 |
| 20°-30° | 375.7 | 9.1 |
| 30°-40° | 580.6 | 14.0 |
| 40°-50° | 931.0 | 22.5 |
| 50°-60° | 1272.4 | 30.8 |
| 60°-70° | 616.2 | 14.9 |
| 70°-80° | 56.4 | 1.4 |
| 80°-90° | 0.2 | 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° | 4135.3 | 100.0 |
| 0°-180° | 4135.3 | 100.0 |

Coefficient of Utilization



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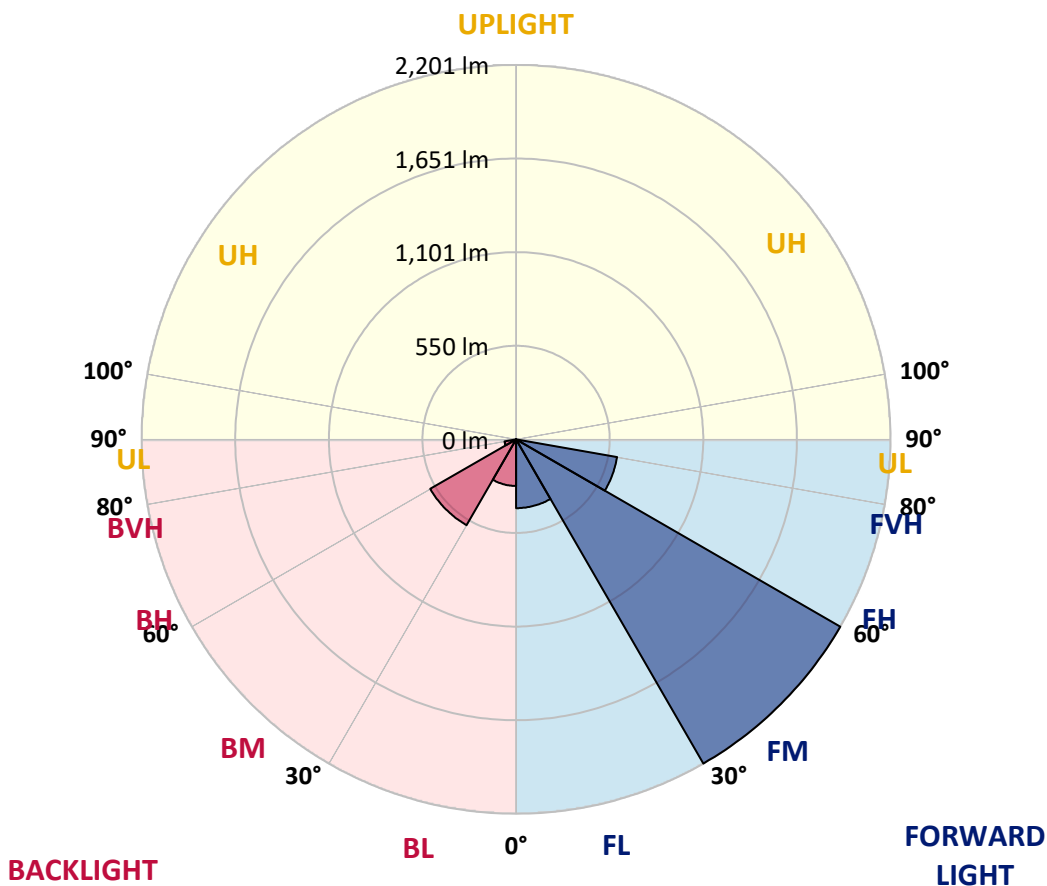
CATALOG NUMBER: GWS-SA1E-750-U-SLR-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 404.6 | 9.8 | | | |
| FM (30°-60°) | 2201.3 | 53.2 | | | |
| FH (60°-80°) | 603.3 | 14.6 | | | G0/660 |
| FVH (80°-90°) | 0.2 | 0.0 | | | G0/10 |
| BL (0°-30°) | 274.0 | 6.6 | B1/500 | | |
| BM (30°-60°) | 582.6 | 14.1 | B1/1000 | | |
| BH (60°-80°) | 69.4 | 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° | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 |
| 2.5° | 787.4 | 792.4 | 800.7 | 818.5 | 833.5 | 843.5 | 848.0 | 846.8 | 840.7 | 836.3 | 827.4 |
| 5° | 871.9 | 871.9 | 888.0 | 928.5 | 959.7 | 979.1 | 989.1 | 983.0 | 970.8 | 951.3 | 921.3 |
| 7.5° | 945.8 | 948.5 | 975.8 | 1033.6 | 1080.8 | 1108.6 | 1124.7 | 1121.4 | 1099.7 | 1062.5 | 1002.4 |
| 10° | 1003.5 | 1006.9 | 1043.0 | 1113.6 | 1169.1 | 1197.5 | 1221.4 | 1223.6 | 1199.7 | 1150.2 | 1081.3 |
| 12.5° | 1059.7 | 1063.0 | 1100.8 | 1168.6 | 1217.5 | 1229.2 | 1250.3 | 1258.6 | 1252.5 | 1217.5 | 1145.8 |
| 15° | 1120.2 | 1128.0 | 1160.3 | 1210.8 | 1231.4 | 1217.5 | 1231.4 | 1246.4 | 1266.9 | 1263.6 | 1199.1 |
| 17.5° | 1179.7 | 1185.3 | 1218.0 | 1235.8 | 1213.0 | 1176.9 | 1183.6 | 1201.4 | 1248.0 | 1293.6 | 1251.9 |
| 20° | 1234.7 | 1242.5 | 1269.7 | 1246.4 | 1177.5 | 1121.4 | 1121.9 | 1145.2 | 1216.4 | 1311.9 | 1305.8 |
| 22.5° | 1292.5 | 1304.2 | 1323.6 | 1258.0 | 1144.7 | 1077.5 | 1080.2 | 1101.3 | 1191.4 | 1329.2 | 1367.0 |
| 25° | 1368.1 | 1379.2 | 1392.0 | 1286.9 | 1134.1 | 1055.8 | 1066.3 | 1085.8 | 1191.4 | 1358.6 | 1442.5 |
| 27.5° | 1470.3 | 1478.1 | 1478.7 | 1340.8 | 1152.5 | 1059.1 | 1081.3 | 1103.6 | 1226.9 | 1417.5 | 1543.7 |
| 30° | 1598.7 | 1610.9 | 1594.8 | 1424.8 | 1209.7 | 1103.6 | 1136.4 | 1164.1 | 1303.6 | 1517.0 | 1692.6 |
| 32.5° | 1754.8 | 1772.0 | 1750.4 | 1549.2 | 1329.2 | 1256.9 | 1316.4 | 1332.5 | 1425.9 | 1660.9 | 1861.5 |
| 35° | 1938.2 | 1952.6 | 1929.3 | 1721.5 | 1608.1 | 1621.5 | 1729.3 | 1708.7 | 1671.5 | 1838.2 | 2058.8 |
| 37.5° | 2139.4 | 2152.7 | 2107.7 | 1982.6 | 2020.4 | 2078.2 | 2250.5 | 2179.9 | 2059.9 | 2066.6 | 2272.7 |
| 40° | 2323.8 | 2338.3 | 2267.7 | 2266.6 | 2344.4 | 2450.0 | 2657.8 | 2560.6 | 2397.2 | 2365.5 | 2473.3 |
| 42.5° | 2515.0 | 2525.0 | 2461.1 | 2417.7 | 2594.4 | 2811.7 | 3031.8 | 2900.6 | 2620.6 | 2586.1 | 2724.5 |
| 45° | 2787.8 | 2808.9 | 2695.0 | 2492.2 | 2819.5 | 3227.9 | 3534.7 | 3278.5 | 2772.8 | 2745.0 | 3109.0 |
| 47.5° | 3189.0 | 3204.6 | 2972.3 | 2538.9 | 3029.0 | 3746.4 | 4163.1 | 3768.6 | 2906.7 | 2843.4 | 3634.7 |
| 50° | 3520.8 | 3531.3 | 3227.4 | 2590.0 | 3251.8 | 4305.4 | 4879.4 | 4349.8 | 3057.3 | 3006.2 | 4125.3 |
| 52.5° | 3765.3 | 3805.3 | 3562.4 | 2695.0 | 3544.7 | 4962.7 | 5672.3 | 5038.3 | 3292.4 | 3320.7 | 4532.1 |
| 55° | 3815.8 | 3870.3 | 3791.4 | 2759.5 | 3802.5 | 5632.3 | 6404.7 | 5654.6 | 3526.9 | 3559.1 | 4668.8 |
| 57.5° | 3353.5 | 3396.8 | 3462.4 | 2499.4 | 3796.4 | 5939.1 | 6829.8 | 5859.0 | 3420.2 | 3191.8 | 4157.0 |
| 60° | 2512.2 | 2542.2 | 2661.1 | 1910.4 | 3491.3 | 5667.9 | 6498.6 | 5511.2 | 2990.6 | 2435.5 | 3167.3 |
| 62.5° | 1489.8 | 1503.1 | 1653.7 | 1237.5 | 2897.8 | 4881.1 | 5389.5 | 4755.5 | 2363.3 | 1638.1 | 1939.9 |
| 65° | 571.8 | 566.2 | 681.3 | 610.7 | 2131.0 | 3888.1 | 4008.6 | 3625.2 | 1621.5 | 750.7 | 739.6 |
| 67.5° | 88.4 | 84.5 | 113.9 | 180.6 | 1537.0 | 2694.5 | 2645.0 | 2612.8 | 1015.8 | 175.0 | 152.8 |
| 70° | 20.0 | 20.0 | 24.4 | 53.3 | 939.1 | 1583.1 | 1694.3 | 1615.3 | 650.1 | 37.2 | 20.0 |
| 72.5° | 9.4 | 9.4 | 11.7 | 22.8 | 340.1 | 652.4 | 760.2 | 748.5 | 211.2 | 12.2 | 7.2 |
| 75° | 3.3 | 3.9 | 3.9 | 5.0 | 20.6 | 33.9 | 77.8 | 55.6 | 13.3 | 0.0 | 0.0 |
| 77.5° | 1.1 | 1.1 | 1.1 | 1.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 0.6 | 0.6 | 0.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 0.6 | 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-SA1E-750-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 |
| 2.5° | 808.0 | 804.1 | 789.6 | 770.2 | 751.3 | 734.6 | 717.4 | 696.8 | 681.8 | 664.6 | 659.0 |
| 5° | 898.0 | 873.5 | 834.1 | 792.9 | 755.2 | 722.9 | 691.8 | 658.5 | 634.0 | 609.6 | 601.2 |
| 7.5° | 974.1 | 938.0 | 874.1 | 812.4 | 760.7 | 715.2 | 670.1 | 624.6 | 589.0 | 560.1 | 551.2 |
| 10° | 1042.4 | 1000.8 | 915.2 | 839.1 | 774.1 | 721.3 | 666.8 | 609.6 | 563.5 | 529.0 | 520.7 |
| 12.5° | 1101.3 | 1053.0 | 950.2 | 859.1 | 779.6 | 719.0 | 666.3 | 620.7 | 579.0 | 539.6 | 529.0 |
| 15° | 1150.8 | 1097.5 | 979.7 | 872.4 | 771.3 | 691.3 | 645.1 | 637.9 | 634.6 | 591.2 | 570.7 |
| 17.5° | 1199.1 | 1139.1 | 1003.5 | 878.5 | 747.9 | 642.4 | 609.0 | 641.8 | 676.8 | 648.5 | 622.4 |
| 20° | 1249.7 | 1181.4 | 1028.0 | 879.6 | 709.0 | 587.3 | 581.8 | 633.5 | 677.9 | 669.0 | 644.6 |
| 22.5° | 1309.2 | 1234.2 | 1058.6 | 879.1 | 660.1 | 540.7 | 561.8 | 617.4 | 653.5 | 652.9 | 633.5 |
| 25° | 1395.3 | 1300.8 | 1099.7 | 882.4 | 606.8 | 504.6 | 539.6 | 590.1 | 619.6 | 618.5 | 602.4 |
| 27.5° | 1487.5 | 1380.3 | 1153.0 | 890.7 | 561.2 | 483.4 | 513.4 | 552.9 | 578.5 | 577.3 | 563.5 |
| 30° | 1617.0 | 1472.0 | 1204.1 | 891.3 | 528.4 | 472.3 | 484.5 | 511.8 | 536.2 | 533.4 | 522.9 |
| 32.5° | 1774.3 | 1575.3 | 1246.9 | 859.6 | 507.9 | 461.8 | 454.5 | 468.4 | 487.3 | 483.4 | 480.7 |
| 35° | 1964.3 | 1698.1 | 1283.6 | 790.2 | 476.2 | 440.7 | 421.2 | 424.0 | 437.3 | 439.5 | 438.4 |
| 37.5° | 2181.0 | 1844.3 | 1329.2 | 698.5 | 433.4 | 410.1 | 384.0 | 381.7 | 389.5 | 396.8 | 402.3 |
| 40° | 2395.0 | 2008.8 | 1390.9 | 605.7 | 394.5 | 371.2 | 346.2 | 340.6 | 344.0 | 356.7 | 368.4 |
| 42.5° | 2635.6 | 2199.4 | 1457.5 | 526.2 | 367.9 | 328.4 | 304.5 | 294.0 | 303.4 | 324.0 | 337.9 |
| 45° | 2982.3 | 2466.6 | 1522.6 | 462.9 | 356.7 | 290.6 | 258.4 | 257.3 | 267.8 | 294.5 | 310.1 |
| 47.5° | 3469.1 | 2812.3 | 1565.3 | 413.4 | 356.2 | 261.2 | 222.8 | 229.5 | 241.7 | 267.8 | 285.6 |
| 50° | 3943.6 | 3245.1 | 1518.1 | 375.6 | 344.5 | 241.7 | 196.2 | 209.5 | 221.7 | 244.5 | 262.8 |
| 52.5° | 4229.8 | 3478.0 | 1334.2 | 340.1 | 308.4 | 232.8 | 170.0 | 193.4 | 195.6 | 216.2 | 235.6 |
| 55° | 4199.8 | 3327.4 | 1021.9 | 285.1 | 255.1 | 220.0 | 142.8 | 174.5 | 175.6 | 191.2 | 207.8 |
| 57.5° | 3645.2 | 2856.7 | 701.8 | 231.2 | 191.7 | 181.7 | 117.8 | 147.3 | 157.8 | 167.3 | 179.5 |
| 60° | 2716.7 | 2084.3 | 312.8 | 187.8 | 121.7 | 122.8 | 100.6 | 111.1 | 127.2 | 138.4 | 148.9 |
| 62.5° | 1600.9 | 1199.1 | 127.2 | 112.8 | 67.2 | 77.2 | 81.1 | 81.1 | 91.1 | 99.5 | 106.1 |
| 65° | 605.1 | 419.5 | 51.7 | 56.7 | 35.0 | 36.1 | 47.8 | 58.9 | 66.7 | 73.9 | 82.8 |
| 67.5° | 106.1 | 73.3 | 26.7 | 21.1 | 20.6 | 18.3 | 24.4 | 38.3 | 42.8 | 48.3 | 52.2 |
| 70° | 17.8 | 15.0 | 11.1 | 10.6 | 9.4 | 10.0 | 16.1 | 27.2 | 30.0 | 31.7 | 33.3 |
| 72.5° | 5.0 | 4.4 | 3.3 | 2.8 | 2.2 | 2.8 | 10.0 | 21.1 | 22.2 | 23.3 | 25.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.9 | 15.0 | 16.1 | 16.7 | 18.3 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 3.3 | 4.4 | 5.6 | 4.4 |
| 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-SA1E-750-U-SLR-W-GRSBK

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 | 726.8 |
| 2.5° | 655.7 | 644.6 | 638.5 | 635.1 | 635.1 | 630.7 | 625.7 | 624.0 | 631.2 | 631.2 | 643.5 |
| 5° | 590.7 | 581.8 | 571.8 | 565.7 | 556.2 | 557.9 | 552.3 | 551.8 | 559.0 | 562.3 | 575.1 |
| 7.5° | 545.7 | 534.6 | 528.4 | 524.6 | 519.6 | 517.3 | 512.3 | 510.7 | 514.6 | 520.1 | 532.3 |
| 10° | 515.7 | 514.0 | 513.4 | 516.2 | 516.2 | 513.4 | 509.0 | 506.2 | 507.3 | 517.9 | 531.8 |
| 12.5° | 523.4 | 526.8 | 527.9 | 532.3 | 534.6 | 532.3 | 529.0 | 530.1 | 537.3 | 556.8 | 577.3 |
| 15° | 557.3 | 554.6 | 553.5 | 555.7 | 557.3 | 555.1 | 554.0 | 562.3 | 587.3 | 615.1 | 638.5 |
| 17.5° | 593.5 | 575.7 | 567.9 | 567.9 | 569.0 | 567.9 | 569.0 | 585.1 | 625.7 | 653.5 | 670.7 |
| 20° | 611.8 | 579.0 | 566.8 | 564.0 | 566.2 | 566.8 | 570.7 | 589.0 | 633.5 | 652.9 | 656.8 |
| 22.5° | 606.2 | 565.1 | 551.2 | 549.0 | 551.2 | 553.5 | 557.3 | 572.9 | 614.6 | 624.6 | 622.9 |
| 25° | 578.5 | 537.9 | 526.8 | 526.8 | 531.8 | 531.2 | 532.9 | 544.0 | 578.5 | 584.6 | 581.8 |
| 27.5° | 543.5 | 505.1 | 495.7 | 501.2 | 505.7 | 504.6 | 505.1 | 514.6 | 540.1 | 541.8 | 539.0 |
| 30° | 507.9 | 474.5 | 465.7 | 472.3 | 478.4 | 477.3 | 477.9 | 487.3 | 503.4 | 501.8 | 497.9 |
| 32.5° | 471.8 | 447.3 | 440.7 | 444.5 | 454.0 | 452.9 | 455.1 | 465.1 | 471.2 | 464.0 | 459.5 |
| 35° | 438.4 | 425.6 | 420.6 | 422.9 | 430.1 | 431.8 | 435.6 | 442.3 | 442.3 | 433.4 | 425.6 |
| 37.5° | 407.3 | 405.6 | 402.3 | 399.5 | 406.2 | 411.2 | 416.8 | 424.5 | 413.4 | 400.6 | 393.4 |
| 40° | 378.4 | 385.6 | 381.2 | 374.0 | 377.9 | 385.1 | 396.2 | 402.3 | 389.0 | 376.2 | 364.0 |
| 42.5° | 351.7 | 364.0 | 362.3 | 353.4 | 356.7 | 363.4 | 376.2 | 381.2 | 365.6 | 351.2 | 339.5 |
| 45° | 326.2 | 343.4 | 344.5 | 333.4 | 336.7 | 343.4 | 358.4 | 360.1 | 340.1 | 324.5 | 316.2 |
| 47.5° | 304.0 | 322.8 | 323.4 | 315.1 | 316.2 | 325.6 | 339.5 | 340.1 | 317.3 | 302.8 | 292.3 |
| 50° | 282.8 | 304.5 | 306.2 | 299.0 | 300.1 | 311.2 | 322.8 | 320.6 | 296.2 | 281.2 | 271.7 |
| 52.5° | 257.3 | 286.7 | 290.6 | 287.3 | 291.7 | 300.6 | 307.8 | 300.1 | 271.7 | 256.7 | 248.4 |
| 55° | 229.5 | 267.8 | 276.2 | 273.9 | 278.9 | 286.2 | 287.8 | 282.8 | 247.3 | 232.3 | 224.5 |
| 57.5° | 197.3 | 220.6 | 235.1 | 230.6 | 234.5 | 241.7 | 246.7 | 242.8 | 216.2 | 204.5 | 197.8 |
| 60° | 163.4 | 178.9 | 182.3 | 175.0 | 171.7 | 184.5 | 196.2 | 191.2 | 168.4 | 161.1 | 153.4 |
| 62.5° | 119.5 | 137.3 | 139.5 | 130.0 | 126.1 | 140.0 | 150.0 | 145.0 | 120.0 | 112.2 | 106.1 |
| 65° | 95.6 | 112.2 | 116.7 | 107.8 | 105.6 | 116.1 | 122.2 | 110.0 | 92.2 | 83.9 | 77.2 |
| 67.5° | 62.8 | 76.1 | 87.8 | 87.2 | 82.8 | 86.1 | 81.7 | 71.7 | 58.9 | 54.5 | 50.0 |
| 70° | 38.9 | 46.7 | 53.9 | 56.7 | 56.1 | 55.0 | 48.9 | 41.7 | 37.8 | 36.1 | 33.9 |
| 72.5° | 30.0 | 37.8 | 43.3 | 45.0 | 45.6 | 43.9 | 38.9 | 32.2 | 28.3 | 26.1 | 24.4 |
| 75° | 22.2 | 28.3 | 32.8 | 35.0 | 36.1 | 35.0 | 30.0 | 25.6 | 21.7 | 20.0 | 18.3 |
| 77.5° | 7.8 | 9.4 | 11.7 | 12.8 | 12.2 | 11.7 | 10.6 | 10.6 | 8.3 | 7.8 | 6.7 |
| 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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| 30° | 481.2 | 456.8 | 444.5 | 431.8 | 487.3 | 836.3 | 1197.5 | 1492.0 | 1584.8 | 1598.7 |
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| 35° | 409.5 | 405.6 | 416.8 | 427.9 | 435.6 | 780.7 | 1296.4 | 1746.5 | 1915.4 | 1938.2 |
| 37.5° | 380.1 | 383.4 | 397.3 | 408.4 | 402.3 | 724.0 | 1357.5 | 1918.7 | 2119.9 | 2139.4 |
| 40° | 351.7 | 360.1 | 376.2 | 381.2 | 376.7 | 657.9 | 1430.9 | 2084.9 | 2297.2 | 2323.8 |
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| 45° | 304.5 | 303.4 | 326.7 | 334.0 | 379.0 | 516.2 | 1570.3 | 2502.2 | 2767.8 | 2787.8 |
| 47.5° | 284.0 | 282.8 | 288.4 | 321.2 | 382.9 | 447.3 | 1638.7 | 2851.2 | 3154.6 | 3189.0 |
| 50° | 264.5 | 266.2 | 248.9 | 315.1 | 361.7 | 394.5 | 1669.8 | 3174.0 | 3506.3 | 3520.8 |
| 52.5° | 247.3 | 241.2 | 211.2 | 295.1 | 316.7 | 344.5 | 1581.5 | 3320.7 | 3724.1 | 3765.3 |
| 55° | 222.8 | 188.9 | 173.9 | 239.5 | 250.1 | 300.6 | 1295.3 | 3235.7 | 3743.0 | 3815.8 |
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| 62.5° | 104.5 | 87.8 | 92.2 | 73.3 | 65.0 | 101.7 | 223.4 | 1153.0 | 1472.0 | 1489.8 |
| 65° | 70.0 | 59.5 | 48.3 | 40.6 | 40.0 | 43.3 | 92.2 | 416.8 | 506.8 | 571.8 |
| 67.5° | 46.1 | 36.1 | 25.6 | 25.6 | 28.9 | 28.9 | 35.0 | 68.9 | 96.7 | 88.4 |
| 70° | 30.0 | 25.0 | 16.1 | 15.6 | 18.9 | 18.9 | 17.8 | 18.9 | 20.0 | 20.0 |
| 72.5° | 22.2 | 18.9 | 9.4 | 8.3 | 10.6 | 11.1 | 10.0 | 9.4 | 9.4 | 9.4 |
| 75° | 16.7 | 13.3 | 5.6 | 3.9 | 5.0 | 6.7 | 5.6 | 3.9 | 3.9 | 3.3 |
| 77.5° | 6.7 | 5.0 | 2.2 | 1.7 | 2.8 | 3.9 | 3.3 | 1.7 | 1.1 | 1.1 |
| 80° | 0.6 | 1.1 | 1.1 | 1.1 | 1.7 | 2.2 | 2.8 | 1.1 | 0.6 | 0.6 |
| 82.5° | 0.0 | 0.6 | 0.6 | 0.6 | 1.1 | 1.7 | 2.2 | 1.1 | 0.6 | 0.6 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 1.1 | 1.7 | 1.1 | 0.6 | 0.0 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.6 | 1.7 | 1.1 | 0.6 | 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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