

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: P628985

Luminaire Tested: GWS-SA1A-760-U-T3-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P628985
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-26)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1A-760-U-T3-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS WITH HOUSE SIDE SHIELD
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2106.3 lumens
Efficiency: N/A
Efficacy: 106.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

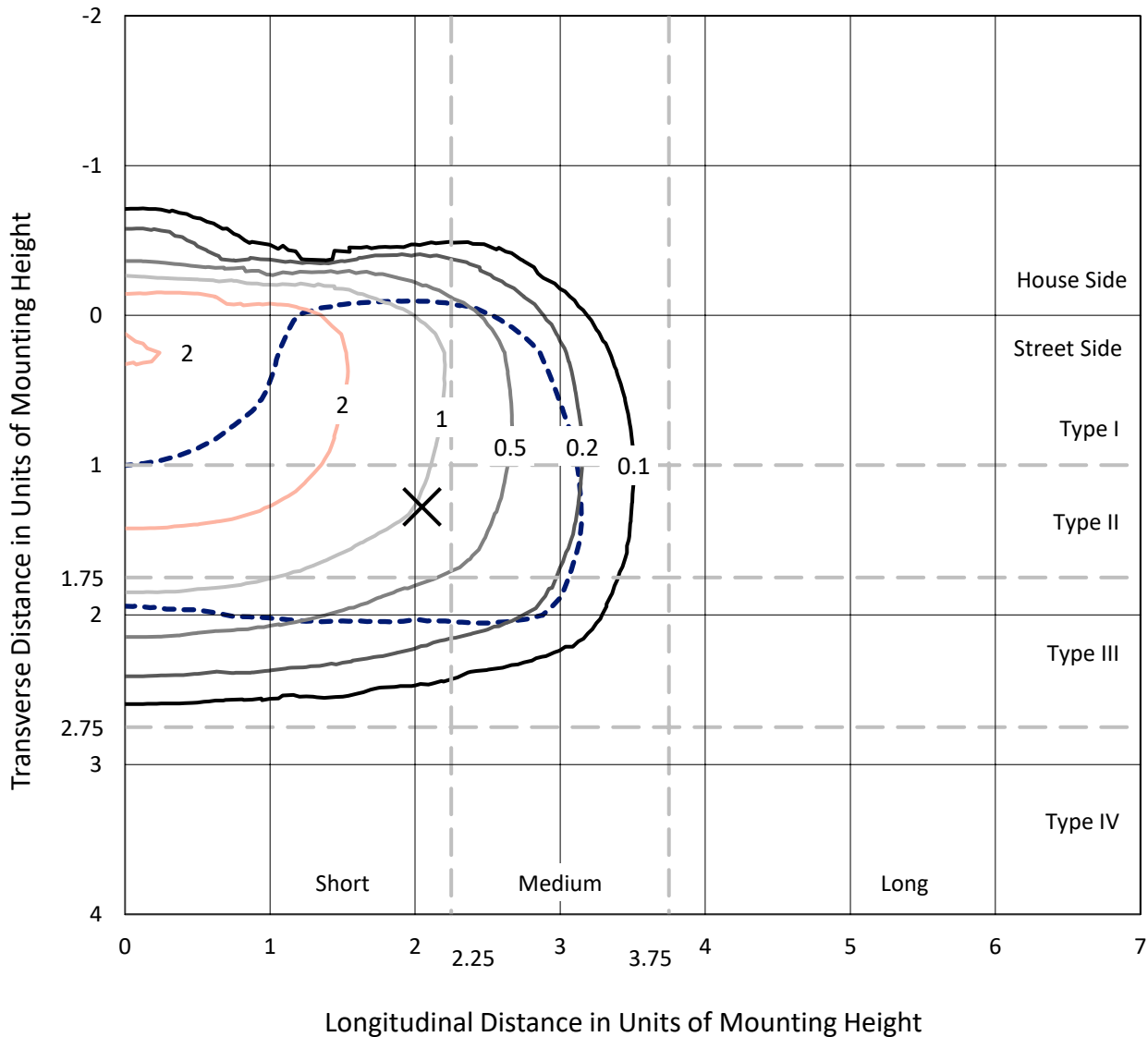
Input Watts (W): 19.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P628985
 CATALOG NUMBER: GWS-SA1A-760-U-T3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

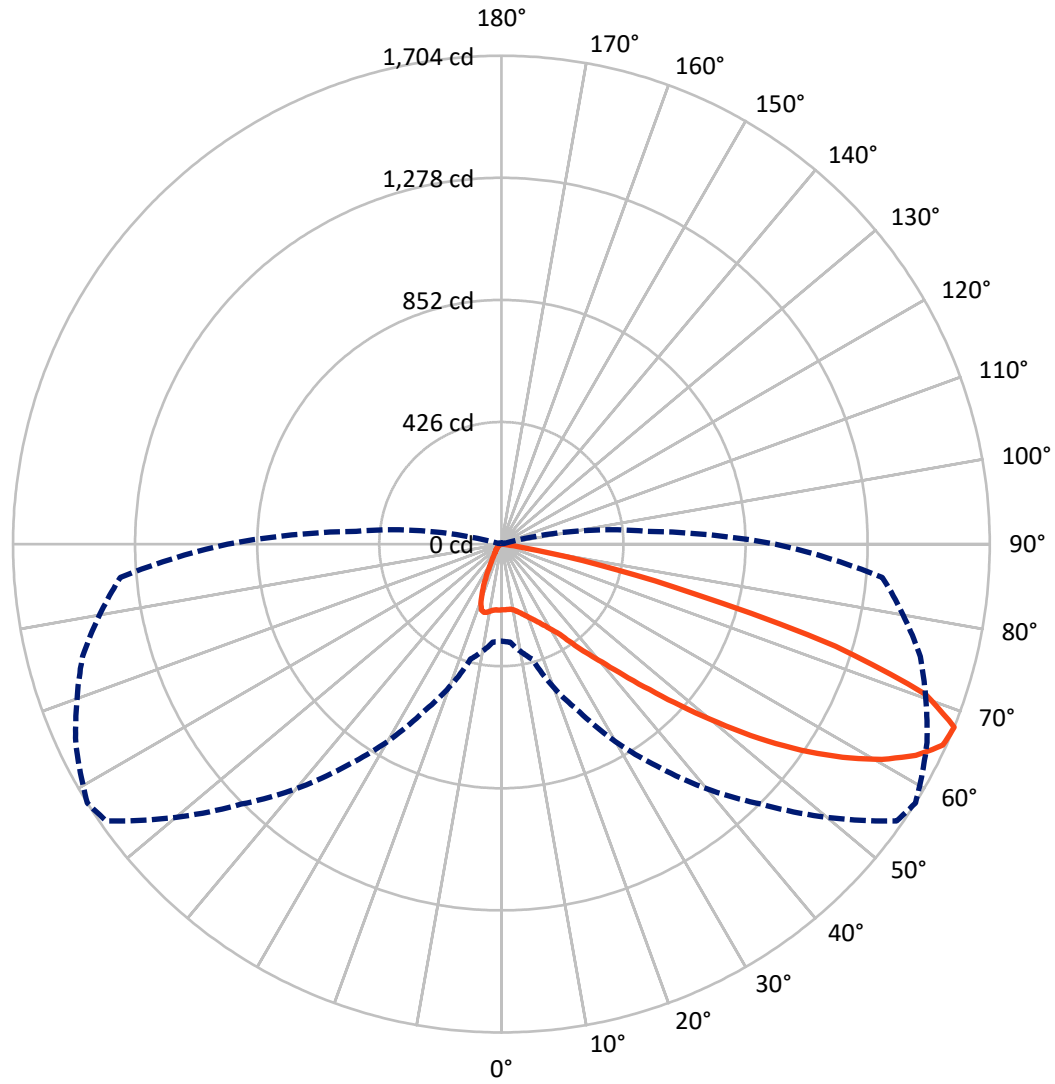
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type III - Short - N/A

REPORT NUMBER: P628985
CATALOG NUMBER: GWS-SA1A-760-U-T3-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P628985
 CATALOG NUMBER: GWS-SA1A-760-U-T3-W-HSS

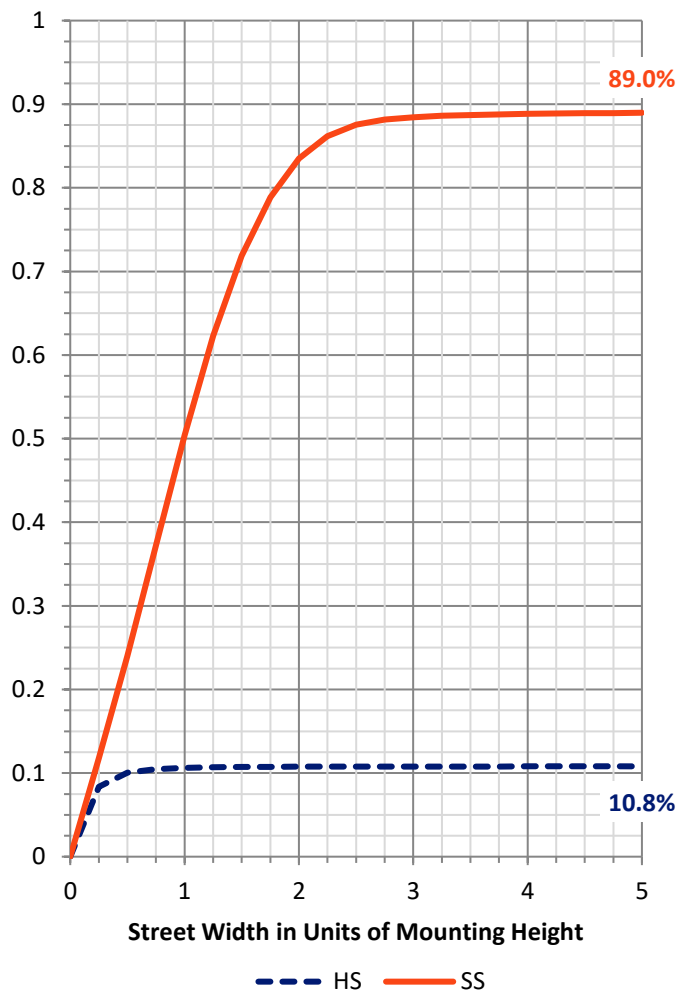
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 229.8 | 0.0 | 229.8 |
| | % Fixture | 10.9 | 0.0 | 10.9 |
| Street Side | Lumens | 1876.5 | 0.0 | 1876.5 |
| | % Fixture | 89.1 | 0.0 | 89.1 |
| Total | Lumens | 2106.3 | 0.0 | 2106.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 21.6 | 1.0 |
| 10°-20° | 60.5 | 2.9 |
| 20°-30° | 105.7 | 5.0 |
| 30°-40° | 188.7 | 9.0 |
| 40°-50° | 344.9 | 16.4 |
| 50°-60° | 573.7 | 27.2 |
| 60°-70° | 623.1 | 29.6 |
| 70°-80° | 182.9 | 8.7 |
| 80°-90° | 5.2 | 0.2 |
| 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° | 2106.3 | 100.0 |
| 0°-180° | 2106.3 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P628985

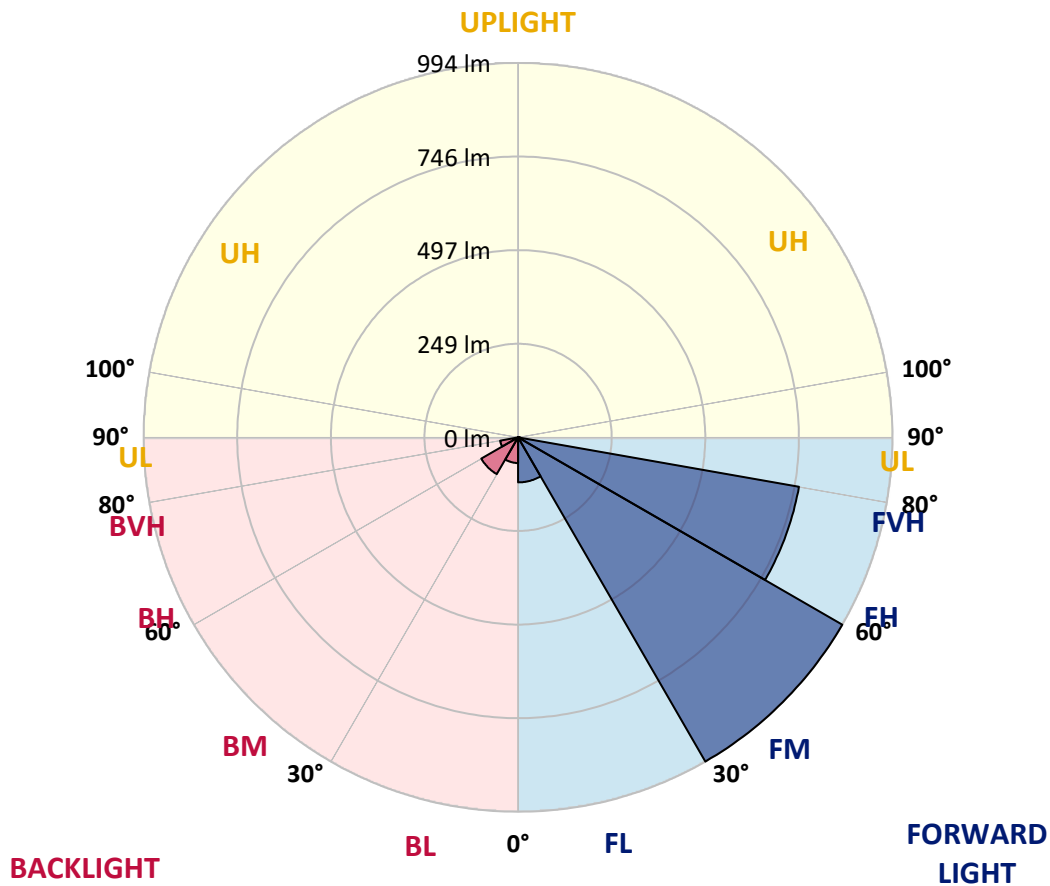
CATALOG NUMBER: GWS-SA1A-760-U-T3-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 119.6 | 5.7 | | | |
| FM (30°-60°) | 994.4 | 47.2 | | | |
| FH (60°-80°) | 757.5 | 36.0 | | | G1/1800 |
| FVH (80°-90°) | 5.0 | 0.2 | | | G0/10 |
| BL (0°-30°) | 68.2 | 3.2 | B0/110 | | |
| BM (30°-60°) | 112.9 | 5.4 | B0/220 | | |
| BH (60°-80°) | 48.5 | 2.3 | B0/110 | | G0/110 |
| BVH (80°-90°) | 0.3 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B0-U0-G1

Type III Short





REPORT NUMBER: P628985

CATALOG NUMBER: GWS-SA1A-760-U-T3-W-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 58° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 229.5 | 229.5 | 229.5 | 229.5 | 229.5 | 229.5 | 229.5 | 229.5 | 229.5 | 229.5 | 229.5 |
| 2.5° | 225.2 | 224.8 | 224.8 | 226.4 | 226.6 | 227.5 | 229.3 | 229.5 | 230.6 | 230.1 | 228.7 |
| 5° | 213.5 | 213.7 | 214.9 | 217.8 | 220.3 | 223.4 | 227.9 | 228.9 | 231.2 | 232.4 | 231.6 |
| 7.5° | 202.6 | 202.8 | 204.6 | 209.2 | 213.9 | 220.1 | 227.5 | 229.5 | 234.0 | 237.3 | 237.5 |
| 10° | 198.5 | 198.3 | 200.1 | 205.3 | 211.4 | 220.1 | 230.8 | 233.4 | 240.2 | 246.0 | 247.0 |
| 12.5° | 199.7 | 199.5 | 201.3 | 206.1 | 212.9 | 223.8 | 236.5 | 240.2 | 248.9 | 257.7 | 259.6 |
| 15° | 204.6 | 204.4 | 205.7 | 209.6 | 217.0 | 228.3 | 243.9 | 249.5 | 260.4 | 271.1 | 273.9 |
| 17.5° | 219.4 | 218.4 | 217.2 | 217.6 | 221.9 | 233.6 | 253.4 | 260.2 | 273.7 | 286.5 | 289.0 |
| 20° | 245.8 | 243.1 | 239.8 | 235.5 | 233.4 | 241.5 | 264.3 | 272.1 | 288.6 | 303.2 | 303.6 |
| 22.5° | 285.5 | 284.4 | 276.8 | 264.3 | 255.4 | 255.6 | 277.0 | 286.1 | 306.2 | 322.3 | 320.0 |
| 25° | 340.8 | 340.2 | 328.4 | 307.9 | 284.8 | 277.0 | 293.3 | 302.5 | 327.2 | 344.3 | 337.1 |
| 27.5° | 409.5 | 405.2 | 391.4 | 363.6 | 329.3 | 304.8 | 313.8 | 322.1 | 349.4 | 365.5 | 351.9 |
| 30° | 469.3 | 469.5 | 456.6 | 427.6 | 388.9 | 346.5 | 338.9 | 346.1 | 369.8 | 386.7 | 370.2 |
| 32.5° | 526.9 | 528.8 | 514.6 | 488.5 | 446.1 | 401.0 | 374.9 | 376.2 | 395.9 | 414.2 | 394.3 |
| 35° | 580.4 | 581.8 | 572.0 | 549.7 | 510.3 | 458.0 | 425.1 | 424.5 | 435.2 | 453.9 | 427.8 |
| 37.5° | 640.2 | 641.7 | 632.0 | 612.1 | 575.0 | 523.2 | 482.1 | 481.3 | 485.6 | 500.8 | 471.0 |
| 40° | 704.0 | 706.7 | 696.0 | 679.1 | 643.7 | 599.9 | 548.3 | 540.9 | 536.6 | 554.5 | 526.9 |
| 42.5° | 768.6 | 772.7 | 769.0 | 752.1 | 721.9 | 685.7 | 634.3 | 622.8 | 613.5 | 635.9 | 606.7 |
| 45° | 848.8 | 853.7 | 852.1 | 839.1 | 815.7 | 786.3 | 737.7 | 724.4 | 720.0 | 740.8 | 706.1 |
| 47.5° | 925.9 | 931.3 | 937.2 | 934.3 | 917.7 | 904.1 | 850.2 | 842.6 | 841.4 | 863.6 | 809.7 |
| 50° | 983.3 | 988.2 | 1011.1 | 1027.5 | 1038.8 | 1035.9 | 989.3 | 977.9 | 976.1 | 990.3 | 919.1 |
| 52.5° | 1024.4 | 1029.2 | 1060.6 | 1112.0 | 1153.6 | 1176.2 | 1129.1 | 1126.6 | 1116.6 | 1111.6 | 1021.5 |
| 55° | 1056.3 | 1062.9 | 1096.0 | 1173.7 | 1257.4 | 1307.6 | 1278.2 | 1269.4 | 1243.5 | 1215.1 | 1116.6 |
| 57.5° | 1062.7 | 1065.4 | 1112.0 | 1216.9 | 1338.1 | 1419.3 | 1419.3 | 1403.9 | 1353.9 | 1314.6 | 1226.4 |
| 60° | 1005.5 | 1013.7 | 1076.9 | 1213.4 | 1372.6 | 1492.3 | 1536.3 | 1525.6 | 1458.2 | 1409.8 | 1332.1 |
| 62.5° | 878.6 | 887.9 | 964.8 | 1129.7 | 1338.1 | 1507.3 | 1625.0 | 1623.3 | 1547.2 | 1488.6 | 1419.7 |
| 65° | 673.8 | 680.6 | 747.6 | 945.0 | 1192.0 | 1449.5 | 1688.3 | 1692.8 | 1617.6 | 1540.6 | 1449.9 |
| 67.5° | 338.5 | 343.3 | 415.7 | 645.6 | 944.8 | 1283.2 | 1684.0 | 1704.2 | 1639.0 | 1513.1 | 1334.6 |
| 70° | 118.3 | 123.0 | 157.1 | 277.0 | 575.0 | 979.8 | 1538.4 | 1571.3 | 1513.3 | 1291.6 | 984.5 |
| 72.5° | 40.5 | 42.8 | 65.2 | 102.8 | 223.8 | 580.8 | 1169.8 | 1219.4 | 1115.5 | 867.1 | 565.8 |
| 75° | 23.0 | 24.5 | 35.0 | 55.7 | 93.8 | 191.1 | 663.7 | 694.1 | 650.3 | 472.6 | 232.8 |
| 77.5° | 15.6 | 16.9 | 21.8 | 31.7 | 51.8 | 61.5 | 270.7 | 340.8 | 297.2 | 154.2 | 59.4 |
| 80° | 9.3 | 10.1 | 13.4 | 18.7 | 26.5 | 23.9 | 58.0 | 77.1 | 99.3 | 46.1 | 17.9 |
| 82.5° | 4.3 | 4.9 | 8.6 | 12.3 | 13.4 | 10.1 | 17.1 | 20.8 | 28.0 | 22.6 | 7.4 |
| 85° | 0.0 | 0.0 | 2.9 | 5.1 | 4.9 | 2.9 | 4.7 | 5.1 | 7.6 | 11.3 | 2.9 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.2 | 0.4 | 0.6 | 1.2 | 2.3 | 1.2 |
| 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: P628985
 CATALOG NUMBER: GWS-SA1A-760-U-T3-W-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 229.5 | 229.5 | 229.5 | 229.5 | 229.5 | 229.5 | 229.5 | 229.5 | 229.5 | 229.5 | 229.5 |
| 2.5° | 230.3 | 228.9 | 230.6 | 229.7 | 230.6 | 230.3 | 228.7 | 227.7 | 227.7 | 225.8 | 225.2 |
| 5° | 233.2 | 231.8 | 232.2 | 230.3 | 229.9 | 228.9 | 226.9 | 226.0 | 226.0 | 224.2 | 223.6 |
| 7.5° | 239.6 | 237.3 | 236.9 | 233.2 | 231.6 | 228.7 | 225.0 | 223.6 | 223.4 | 221.5 | 220.9 |
| 10° | 249.7 | 247.0 | 245.2 | 240.4 | 235.7 | 229.9 | 222.1 | 215.5 | 211.8 | 206.9 | 206.5 |
| 12.5° | 262.0 | 258.7 | 255.8 | 248.7 | 240.8 | 227.9 | 204.8 | 180.8 | 166.0 | 154.2 | 155.1 |
| 15° | 275.8 | 272.7 | 268.2 | 257.3 | 241.2 | 207.5 | 159.4 | 122.4 | 104.3 | 94.6 | 94.2 |
| 17.5° | 290.8 | 286.3 | 278.9 | 264.1 | 228.3 | 158.6 | 103.7 | 73.2 | 63.8 | 60.5 | 59.6 |
| 20° | 304.8 | 299.2 | 290.0 | 265.5 | 190.9 | 107.4 | 64.8 | 56.8 | 55.1 | 54.1 | 54.1 |
| 22.5° | 319.6 | 312.6 | 298.8 | 254.4 | 141.9 | 68.7 | 55.1 | 53.3 | 52.0 | 50.6 | 50.4 |
| 25° | 334.6 | 325.6 | 306.9 | 225.4 | 93.0 | 54.1 | 51.6 | 49.6 | 47.3 | 45.0 | 44.4 |
| 27.5° | 347.4 | 335.6 | 313.0 | 182.2 | 59.6 | 48.7 | 47.1 | 43.6 | 40.5 | 38.0 | 37.6 |
| 30° | 362.6 | 347.6 | 315.7 | 133.3 | 46.9 | 43.0 | 40.5 | 36.8 | 33.1 | 30.6 | 29.8 |
| 32.5° | 383.0 | 366.5 | 311.6 | 86.8 | 41.5 | 37.8 | 33.9 | 29.6 | 25.9 | 23.2 | 22.8 |
| 35° | 414.6 | 395.1 | 292.7 | 55.3 | 37.6 | 32.7 | 28.0 | 23.4 | 20.4 | 18.3 | 17.9 |
| 37.5° | 453.3 | 435.2 | 261.6 | 41.5 | 33.7 | 28.4 | 22.8 | 18.5 | 16.2 | 14.8 | 14.4 |
| 40° | 510.7 | 485.4 | 223.1 | 36.4 | 29.8 | 24.1 | 18.7 | 15.2 | 13.6 | 12.3 | 11.9 |
| 42.5° | 585.1 | 544.6 | 178.9 | 33.1 | 26.1 | 20.2 | 15.2 | 12.5 | 11.1 | 10.3 | 10.1 |
| 45° | 672.1 | 602.4 | 132.2 | 29.8 | 22.6 | 16.7 | 12.5 | 10.3 | 9.3 | 8.6 | 8.4 |
| 47.5° | 761.2 | 653.0 | 91.3 | 26.3 | 19.3 | 13.8 | 10.5 | 8.8 | 8.0 | 7.2 | 7.0 |
| 50° | 856.2 | 695.8 | 62.3 | 22.8 | 16.5 | 11.3 | 9.0 | 8.0 | 7.0 | 6.4 | 6.2 |
| 52.5° | 925.9 | 711.6 | 43.4 | 19.7 | 14.0 | 9.7 | 8.0 | 7.2 | 6.4 | 5.6 | 5.3 |
| 55° | 990.3 | 711.2 | 32.9 | 16.7 | 11.9 | 8.4 | 7.2 | 6.4 | 5.6 | 4.9 | 4.7 |
| 57.5° | 1054.5 | 705.6 | 25.9 | 14.2 | 10.3 | 7.6 | 6.4 | 5.6 | 5.1 | 4.3 | 4.1 |
| 60° | 1096.0 | 684.7 | 20.2 | 11.9 | 8.8 | 6.6 | 5.6 | 4.9 | 4.3 | 3.7 | 3.5 |
| 62.5° | 1118.0 | 655.5 | 15.4 | 9.5 | 7.2 | 5.8 | 4.9 | 4.3 | 3.7 | 3.1 | 2.9 |
| 65° | 1088.2 | 603.6 | 12.1 | 7.4 | 5.6 | 4.9 | 4.1 | 3.5 | 2.9 | 2.3 | 2.1 |
| 67.5° | 955.9 | 509.0 | 9.5 | 6.0 | 4.3 | 3.7 | 3.5 | 2.9 | 2.1 | 1.6 | 1.4 |
| 70° | 675.6 | 348.6 | 7.4 | 4.5 | 3.3 | 2.9 | 2.7 | 2.3 | 1.6 | 1.2 | 1.0 |
| 72.5° | 370.8 | 175.8 | 5.3 | 3.3 | 2.5 | 2.3 | 2.1 | 1.9 | 1.4 | 1.0 | 1.0 |
| 75° | 142.7 | 48.3 | 3.9 | 2.3 | 1.6 | 1.6 | 1.4 | 1.4 | 1.2 | 0.8 | 0.8 |
| 77.5° | 37.2 | 14.4 | 2.5 | 1.4 | 1.0 | 1.0 | 1.0 | 0.8 | 0.8 | 0.6 | 0.6 |
| 80° | 11.9 | 4.7 | 1.4 | 1.0 | 0.8 | 0.6 | 0.6 | 0.4 | 0.6 | 0.4 | 0.4 |
| 82.5° | 3.9 | 1.6 | 0.8 | 0.8 | 0.6 | 0.4 | 0.4 | 0.2 | 0.2 | 0.0 | 0.0 |
| 85° | 1.4 | 0.8 | 0.6 | 0.4 | 0.4 | 0.4 | 0.2 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 0.8 | 0.4 | 0.4 | 0.4 | 0.4 | 0.2 | 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 |

(END OF REPORT)