

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: STREETWORKS

Report Number: P386675

Luminaire Tested: GAW-SA2B-760-U-T2

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-2019
Report Number: P386675
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: GAW-SA2B-760-U-T2
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11703 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

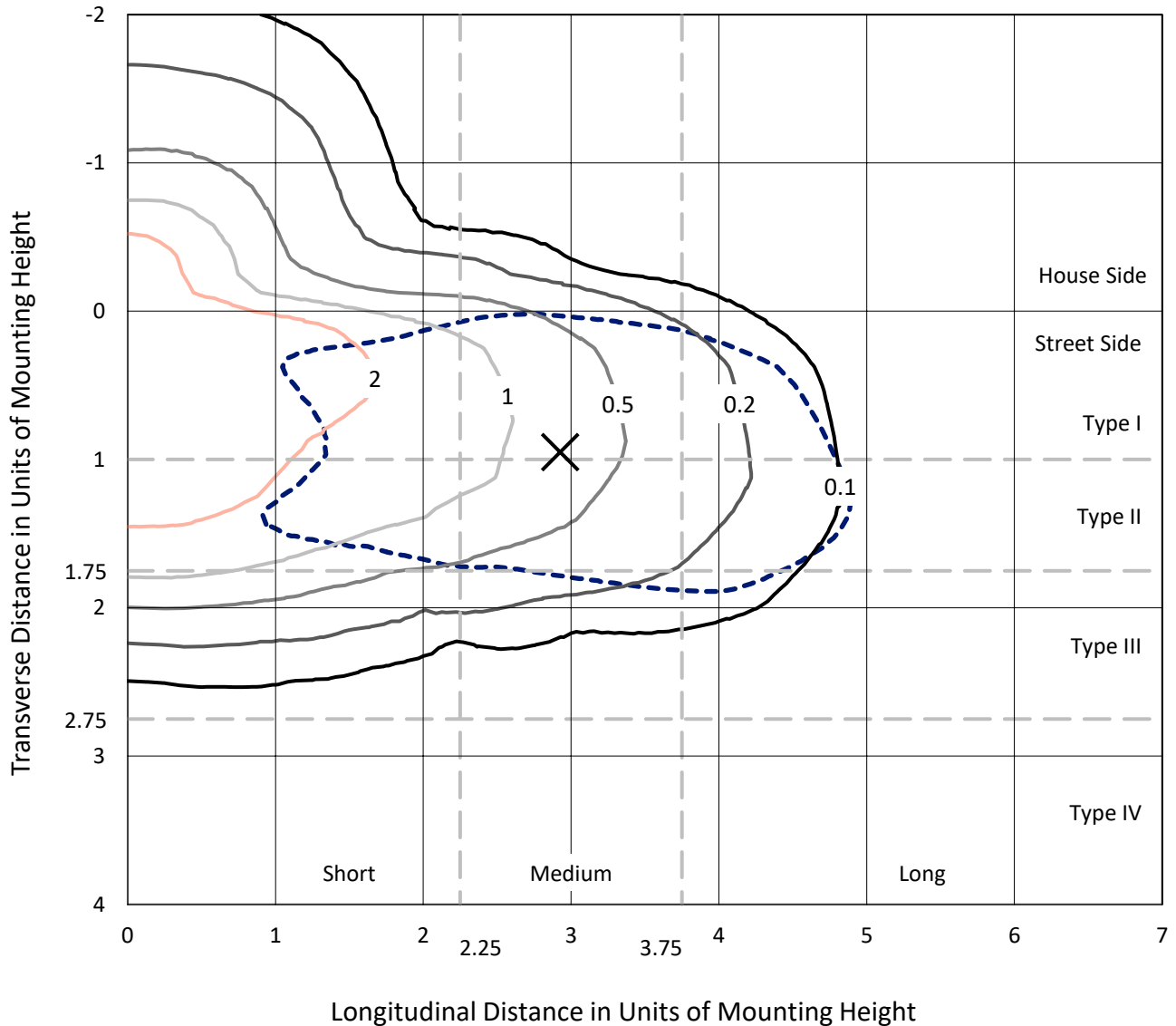
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P386675
 CATALOG NUMBER: GAW-SA2B-760-U-T2

Iso-Footcandle Lines of Horizontal Illumination

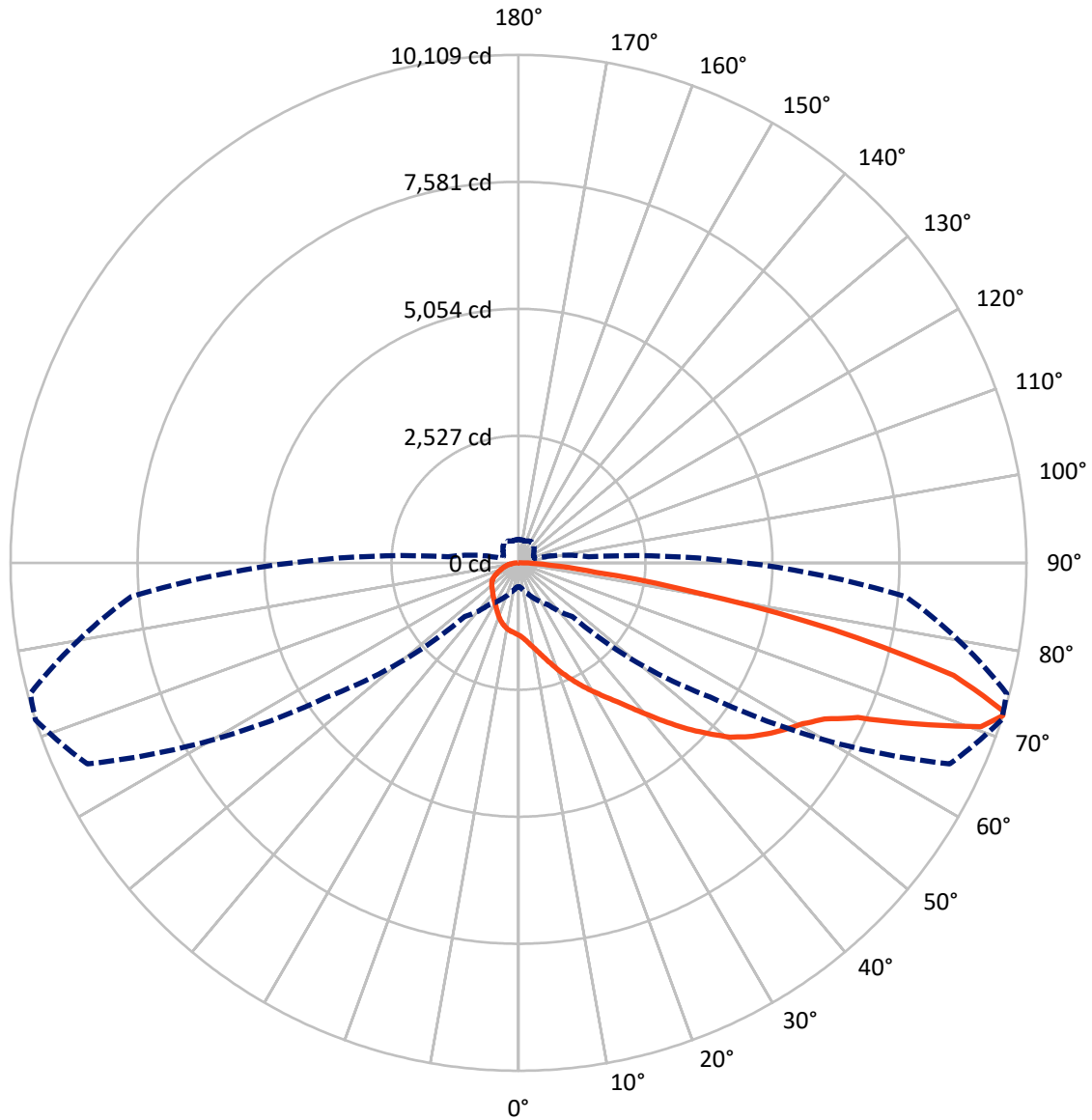
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 fc
 Type III - Medium - N/A

REPORT NUMBER: P386675
CATALOG NUMBER: GAW-SA2B-760-U-T2

Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

REPORT NUMBER: P386675
 CATALOG NUMBER: GAW-SA2B-760-U-T2

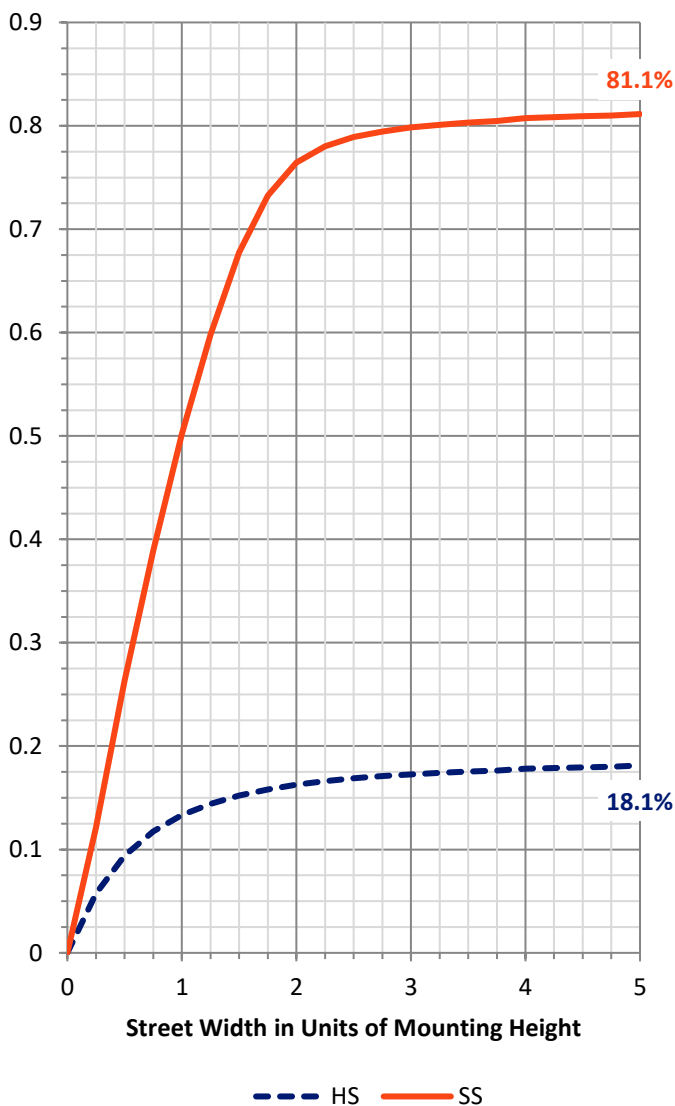
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 2171.0 | 0.0 | 2171.0 |
| | % Fixture | 18.6 | 0.0 | 18.6 |
| Street Side | Lumens | 9532.0 | 0.0 | 9532.0 |
| | % Fixture | 81.4 | 0.0 | 81.4 |
| Total | Lumens | 11703.0 | 0.0 | 11703.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 144.3 | 1.2 |
| 10°-20° | 466.2 | 4.0 |
| 20°-30° | 816.9 | 7.0 |
| 30°-40° | 1211.3 | 10.4 |
| 40°-50° | 1771.6 | 15.1 |
| 50°-60° | 2437.7 | 20.8 |
| 60°-70° | 2713.9 | 23.2 |
| 70°-80° | 1838.9 | 15.7 |
| 80°-90° | 302.2 | 2.6 |
| 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° | 11703.0 | 100.0 |
| 0°-180° | 11703.0 | 100.0 |

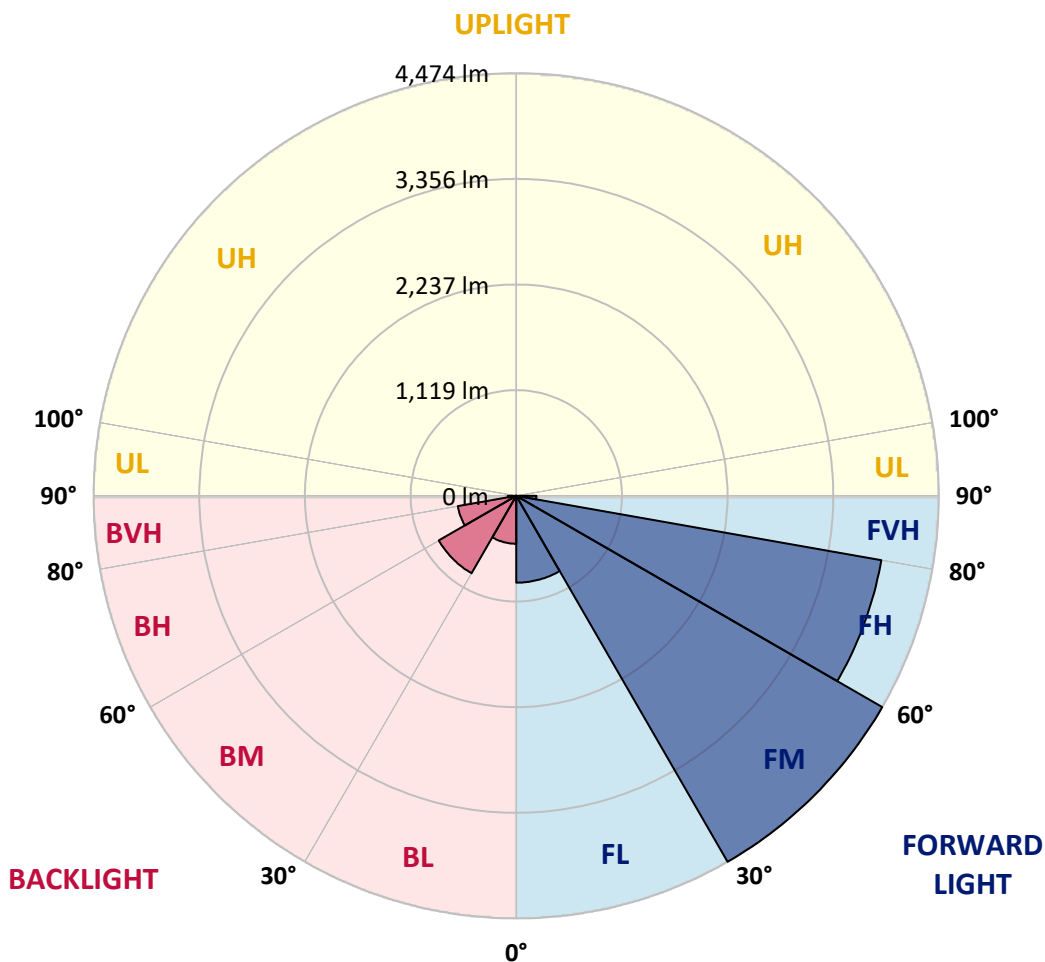


REPORT NUMBER: P386675
 CATALOG NUMBER: GAW-SA2B-760-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 919.9 | 7.9 | | | |
| FM (30°-60°) | 4474.2 | 38.2 | | | |
| FH (60°-80°) | 3924.7 | 33.5 | | | G2/5000 |
| FVH (80°-90°) | 213.2 | 1.8 | | | G2/225 |
| BL (0°-30°) | 507.5 | 4.3 | B2/1000 | | |
| BM (30°-60°) | 946.3 | 8.1 | B1/1000 | | |
| BH (60°-80°) | 628.1 | 5.4 | B2/1000 | | G2/1000 |
| BVH (80°-90°) | 89.0 | 0.8 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2
 Type III Medium





REPORT NUMBER: P386675

CATALOG NUMBER: GAW-SA2B-760-U-T2

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 72° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|--------|
| 0° | 1439.8 | 1439.8 | 1439.8 | 1439.8 | 1439.8 | 1439.8 | 1439.8 | 1439.8 | 1439.8 | 1439.8 | 1439.8 |
| 2.5° | 1590.5 | 1588.1 | 1579.6 | 1579.6 | 1563.5 | 1549.8 | 1524.0 | 1506.7 | 1486.1 | 1478.9 | 1454.7 |
| 5° | 1744.4 | 1745.2 | 1734.7 | 1727.5 | 1703.7 | 1674.7 | 1630.8 | 1590.9 | 1551.0 | 1534.9 | 1485.3 |
| 7.5° | 1873.8 | 1872.1 | 1869.3 | 1863.3 | 1841.1 | 1811.3 | 1752.1 | 1692.8 | 1634.0 | 1609.8 | 1524.4 |
| 10° | 1956.8 | 1960.4 | 1962.8 | 1965.6 | 1956.4 | 1935.0 | 1879.0 | 1806.9 | 1729.9 | 1696.9 | 1571.1 |
| 12.5° | 1998.7 | 2005.1 | 2016.4 | 2035.8 | 2051.1 | 2048.6 | 2007.9 | 1931.4 | 1839.9 | 1798.4 | 1629.6 |
| 15° | 2023.3 | 2031.7 | 2049.5 | 2084.1 | 2127.2 | 2151.8 | 2140.9 | 2071.6 | 1969.7 | 1918.5 | 1700.9 |
| 17.5° | 2038.6 | 2045.4 | 2072.8 | 2119.2 | 2183.2 | 2248.5 | 2277.1 | 2219.1 | 2116.3 | 2057.9 | 1782.7 |
| 20° | 2049.0 | 2054.3 | 2088.5 | 2142.9 | 2225.9 | 2329.9 | 2409.7 | 2395.2 | 2277.9 | 2202.2 | 1868.1 |
| 22.5° | 2072.4 | 2076.9 | 2109.5 | 2164.3 | 2256.2 | 2390.4 | 2537.4 | 2559.2 | 2448.4 | 2362.6 | 1959.6 |
| 25° | 2137.7 | 2137.7 | 2165.1 | 2203.4 | 2289.6 | 2442.7 | 2645.4 | 2741.7 | 2622.5 | 2522.5 | 2044.2 |
| 27.5° | 2262.2 | 2261.0 | 2271.1 | 2284.4 | 2349.7 | 2495.9 | 2741.7 | 2902.9 | 2803.0 | 2693.8 | 2126.4 |
| 30° | 2409.7 | 2417.8 | 2419.0 | 2412.5 | 2443.1 | 2562.4 | 2830.8 | 3073.0 | 2984.7 | 2867.1 | 2210.6 |
| 32.5° | 2599.5 | 2604.7 | 2598.7 | 2577.3 | 2572.9 | 2656.7 | 2918.2 | 3251.1 | 3181.4 | 3048.0 | 2287.6 |
| 35° | 2840.5 | 2830.4 | 2811.4 | 2767.9 | 2726.4 | 2782.8 | 3018.2 | 3429.2 | 3402.2 | 3266.8 | 2393.6 |
| 37.5° | 3098.8 | 3099.2 | 3075.8 | 2977.1 | 2919.8 | 2944.0 | 3156.0 | 3631.1 | 3669.3 | 3527.1 | 2529.4 |
| 40° | 3305.9 | 3316.8 | 3331.3 | 3201.5 | 3127.4 | 3160.8 | 3331.3 | 3865.2 | 3985.3 | 3835.8 | 2706.3 |
| 42.5° | 3450.5 | 3463.0 | 3504.1 | 3422.7 | 3345.8 | 3407.8 | 3537.6 | 4115.0 | 4339.9 | 4192.0 | 2913.4 |
| 45° | 3603.7 | 3610.5 | 3639.5 | 3604.5 | 3555.3 | 3695.1 | 3770.1 | 4373.7 | 4715.0 | 4571.6 | 3145.1 |
| 47.5° | 3764.9 | 3772.1 | 3801.9 | 3778.6 | 3752.8 | 3963.5 | 4012.7 | 4617.5 | 5074.5 | 4988.6 | 3392.5 |
| 50° | 3963.9 | 3968.7 | 3997.0 | 3954.6 | 3962.7 | 4165.8 | 4229.5 | 4841.2 | 5451.2 | 5363.4 | 3640.7 |
| 52.5° | 4235.5 | 4236.7 | 4275.8 | 4237.5 | 4199.6 | 4314.1 | 4416.0 | 5051.9 | 5746.6 | 5705.1 | 3889.0 |
| 55° | 4448.3 | 4461.2 | 4589.3 | 4581.2 | 4559.5 | 4448.7 | 4572.0 | 5252.6 | 6010.1 | 6029.9 | 4152.5 |
| 57.5° | 4312.5 | 4362.8 | 4622.3 | 4805.3 | 4983.4 | 4783.5 | 4782.7 | 5478.6 | 6255.1 | 6348.6 | 4442.2 |
| 60° | 3776.9 | 3845.4 | 4227.9 | 4633.6 | 5190.9 | 5366.2 | 5220.3 | 5754.7 | 6502.6 | 6664.5 | 4805.3 |
| 62.5° | 2697.4 | 2810.2 | 3328.4 | 3976.4 | 4906.4 | 5752.2 | 6110.9 | 6192.7 | 6839.0 | 7030.4 | 5277.2 |
| 65° | 1363.6 | 1449.0 | 1883.4 | 2664.0 | 3920.0 | 5500.0 | 7078.8 | 7151.7 | 7423.7 | 7593.8 | 6003.7 |
| 67.5° | 828.5 | 860.7 | 1072.7 | 1481.7 | 2403.3 | 4284.3 | 7394.7 | 8750.3 | 8555.2 | 8645.5 | 7039.7 |
| 70° | 610.5 | 634.3 | 766.4 | 984.0 | 1382.2 | 2514.1 | 6425.2 | 9891.0 | 9762.9 | 9752.8 | 7805.3 |
| 72° | 475.5 | 492.8 | 609.7 | 795.0 | 1010.6 | 1508.3 | 4657.0 | 9470.0 | 10108.6 | 10057.9 | 7735.2 |
| 72.5° | 450.9 | 466.2 | 572.6 | 748.3 | 955.0 | 1367.2 | 4187.2 | 9185.9 | 10083.7 | 10060.7 | 7644.5 |
| 75° | 355.0 | 365.9 | 423.9 | 578.6 | 747.5 | 775.7 | 2294.5 | 7118.7 | 8945.3 | 9317.2 | 6875.7 |
| 77.5° | 293.8 | 295.4 | 326.0 | 421.1 | 582.7 | 548.4 | 1127.1 | 4939.1 | 6405.4 | 6814.4 | 4870.6 |
| 80° | 239.4 | 241.4 | 255.9 | 295.4 | 440.8 | 405.8 | 535.1 | 2840.1 | 3586.3 | 3590.8 | 2316.2 |
| 82.5° | 190.6 | 191.0 | 207.1 | 216.0 | 316.7 | 290.1 | 306.7 | 1333.4 | 1567.1 | 1507.5 | 832.5 |
| 85° | 134.2 | 131.4 | 202.3 | 177.3 | 207.1 | 186.2 | 169.2 | 527.9 | 648.0 | 619.8 | 260.7 |
| 87.5° | 44.7 | 46.3 | 89.9 | 114.8 | 120.9 | 105.6 | 75.4 | 202.3 | 244.6 | 242.6 | 82.6 |
| 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: P386675
 CATALOG NUMBER: GAW-SA2B-760-U-T2

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1439.8 | 1439.8 | 1439.8 | 1439.8 | 1439.8 | 1439.8 | 1439.8 | 1439.8 | 1439.8 | 1439.8 | 1439.8 |
| 2.5° | 1447.0 | 1434.1 | 1415.2 | 1394.2 | 1377.7 | 1360.8 | 1348.3 | 1341.9 | 1334.6 | 1328.6 | 1335.8 |
| 5° | 1462.3 | 1438.2 | 1397.9 | 1358.4 | 1329.4 | 1303.6 | 1285.0 | 1275.4 | 1266.5 | 1260.5 | 1261.3 |
| 7.5° | 1487.3 | 1448.2 | 1380.5 | 1322.9 | 1282.6 | 1254.8 | 1235.9 | 1229.4 | 1223.8 | 1222.2 | 1224.2 |
| 10° | 1513.9 | 1456.3 | 1357.6 | 1281.0 | 1235.1 | 1212.1 | 1203.6 | 1208.1 | 1212.1 | 1215.7 | 1219.8 |
| 12.5° | 1544.1 | 1463.5 | 1324.1 | 1231.8 | 1192.8 | 1183.9 | 1192.4 | 1211.7 | 1225.8 | 1234.3 | 1239.5 |
| 15° | 1583.6 | 1470.0 | 1285.4 | 1182.7 | 1156.5 | 1166.6 | 1195.2 | 1228.6 | 1253.2 | 1268.9 | 1271.3 |
| 17.5° | 1619.9 | 1469.6 | 1235.9 | 1133.1 | 1127.1 | 1156.5 | 1199.6 | 1246.8 | 1279.8 | 1302.0 | 1306.4 |
| 20° | 1657.4 | 1458.7 | 1178.3 | 1084.8 | 1097.3 | 1145.6 | 1201.6 | 1258.4 | 1298.3 | 1324.1 | 1330.2 |
| 22.5° | 1692.4 | 1439.8 | 1115.0 | 1040.8 | 1072.3 | 1131.1 | 1194.0 | 1251.6 | 1291.5 | 1312.4 | 1318.9 |
| 25° | 1716.2 | 1406.7 | 1050.9 | 1003.8 | 1050.1 | 1113.4 | 1169.0 | 1215.3 | 1245.1 | 1255.6 | 1257.2 |
| 27.5° | 1728.3 | 1363.6 | 990.5 | 971.5 | 1027.1 | 1084.4 | 1122.6 | 1145.6 | 1154.1 | 1153.3 | 1151.7 |
| 30° | 1729.9 | 1306.8 | 938.5 | 945.3 | 1000.5 | 1041.7 | 1059.8 | 1055.4 | 1044.5 | 1025.9 | 1027.5 |
| 32.5° | 1724.7 | 1242.7 | 895.0 | 920.4 | 966.7 | 989.7 | 990.5 | 969.1 | 940.1 | 910.7 | 902.6 |
| 35° | 1726.3 | 1179.9 | 856.7 | 892.2 | 925.6 | 935.7 | 926.4 | 895.0 | 855.5 | 817.6 | 809.5 |
| 37.5° | 1744.0 | 1125.1 | 823.6 | 859.5 | 880.1 | 882.5 | 869.2 | 836.1 | 807.1 | 770.1 | 766.8 |
| 40° | 1786.3 | 1086.0 | 792.2 | 822.8 | 834.5 | 835.7 | 816.8 | 793.4 | 795.8 | 776.1 | 775.7 |
| 42.5° | 1862.5 | 1069.1 | 764.4 | 784.6 | 791.8 | 794.2 | 779.7 | 764.8 | 785.8 | 772.9 | 768.4 |
| 45° | 1960.8 | 1073.1 | 741.0 | 747.1 | 760.4 | 771.7 | 762.8 | 744.7 | 752.7 | 696.7 | 678.2 |
| 47.5° | 2074.4 | 1098.9 | 722.5 | 714.9 | 737.8 | 759.2 | 745.5 | 718.1 | 689.5 | 633.9 | 623.4 |
| 50° | 2207.4 | 1138.8 | 705.6 | 683.0 | 713.2 | 742.3 | 728.6 | 689.5 | 646.3 | 619.3 | 615.7 |
| 52.5° | 2346.0 | 1187.5 | 688.7 | 648.0 | 682.2 | 729.4 | 722.5 | 683.0 | 629.8 | 603.2 | 598.4 |
| 55° | 2503.2 | 1236.7 | 667.3 | 607.3 | 648.8 | 723.3 | 719.7 | 659.6 | 617.3 | 602.4 | 598.8 |
| 57.5° | 2698.6 | 1292.7 | 639.1 | 564.9 | 617.3 | 701.6 | 690.3 | 645.5 | 604.4 | 593.2 | 591.9 |
| 60° | 2953.3 | 1375.3 | 598.4 | 519.8 | 579.1 | 668.1 | 665.7 | 625.0 | 583.9 | 575.8 | 574.2 |
| 62.5° | 3335.3 | 1511.9 | 542.4 | 474.7 | 536.3 | 611.3 | 633.5 | 597.2 | 562.1 | 561.7 | 562.5 |
| 65° | 3927.6 | 1717.4 | 481.5 | 435.2 | 493.2 | 563.3 | 596.0 | 568.6 | 540.0 | 548.0 | 549.2 |
| 67.5° | 4614.3 | 1887.9 | 421.9 | 396.5 | 449.3 | 517.8 | 562.1 | 540.0 | 510.5 | 531.5 | 531.9 |
| 70° | 4842.8 | 1735.5 | 369.5 | 358.2 | 403.8 | 473.9 | 525.5 | 508.5 | 478.7 | 499.7 | 497.7 |
| 72° | 4506.7 | 1401.1 | 335.7 | 329.2 | 369.5 | 437.6 | 492.8 | 479.1 | 449.7 | 463.8 | 458.6 |
| 72.5° | 4400.7 | 1335.8 | 327.2 | 322.0 | 360.2 | 428.3 | 484.4 | 471.9 | 442.4 | 454.5 | 449.7 |
| 75° | 3925.6 | 1160.1 | 281.3 | 282.5 | 314.3 | 383.2 | 436.8 | 432.8 | 402.6 | 403.8 | 402.2 |
| 77.5° | 2847.3 | 850.6 | 236.9 | 245.0 | 267.6 | 336.9 | 388.9 | 386.4 | 353.4 | 347.4 | 346.1 |
| 80° | 1321.3 | 434.0 | 193.0 | 196.6 | 220.0 | 281.7 | 331.6 | 328.4 | 301.8 | 294.2 | 289.7 |
| 82.5° | 452.5 | 206.3 | 145.1 | 147.5 | 170.5 | 226.9 | 287.7 | 285.7 | 263.5 | 248.6 | 239.4 |
| 85° | 161.6 | 102.8 | 101.5 | 99.1 | 121.7 | 178.5 | 250.6 | 239.8 | 207.1 | 176.5 | 175.7 |
| 87.5° | 52.4 | 43.9 | 52.4 | 52.0 | 70.9 | 120.9 | 182.1 | 155.1 | 150.3 | 124.9 | 122.5 |
| 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)