

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: P641721

Luminaire Tested: GWS-SA6B-740-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641721
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-740-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 20745.3 lumens
Efficiency: N/A
Efficacy: 149.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

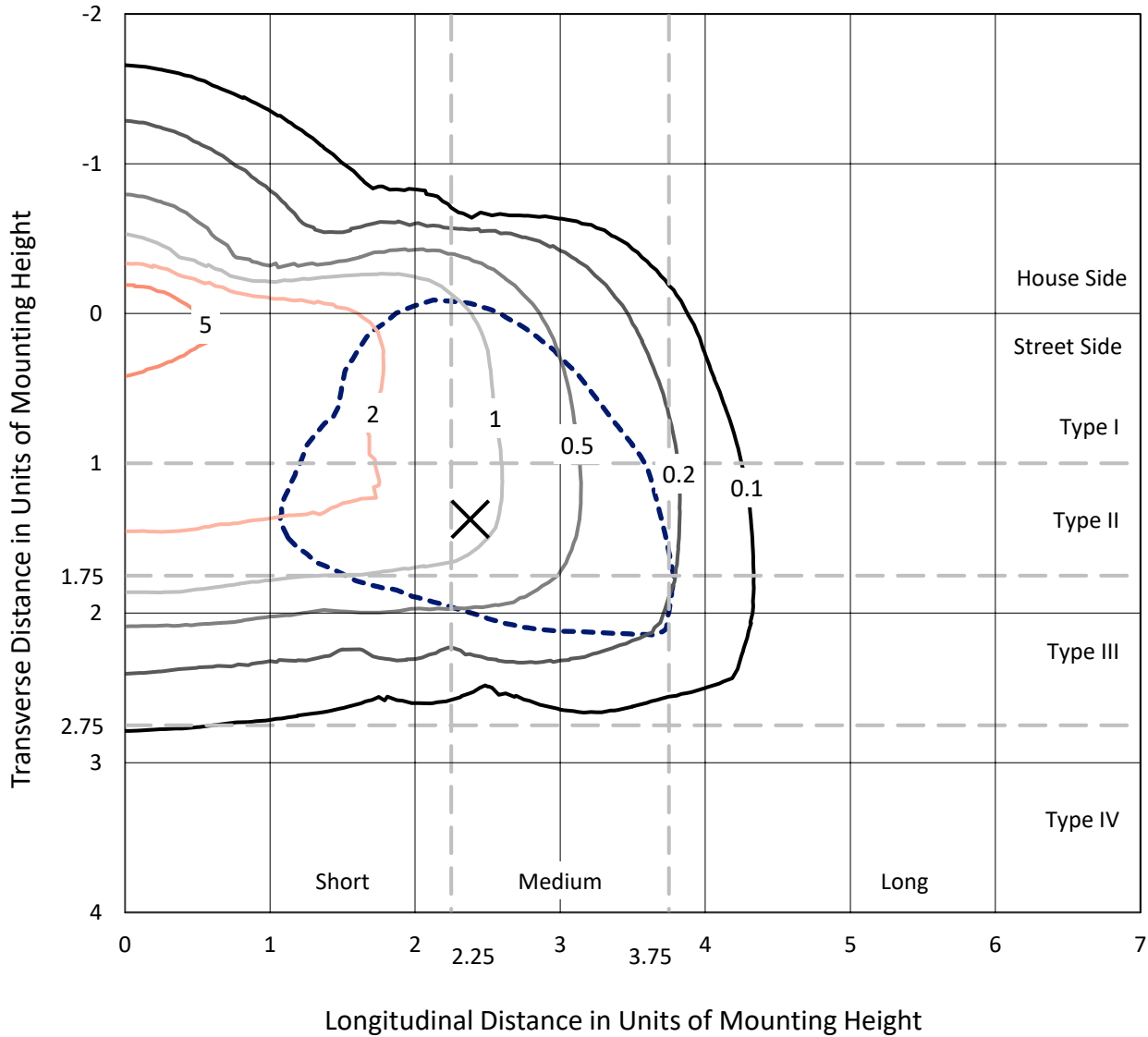
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641721
 CATALOG NUMBER: GWS-SA6B-740-U-SL3-W

Iso-Footcandle Lines of Horizontal Illumination

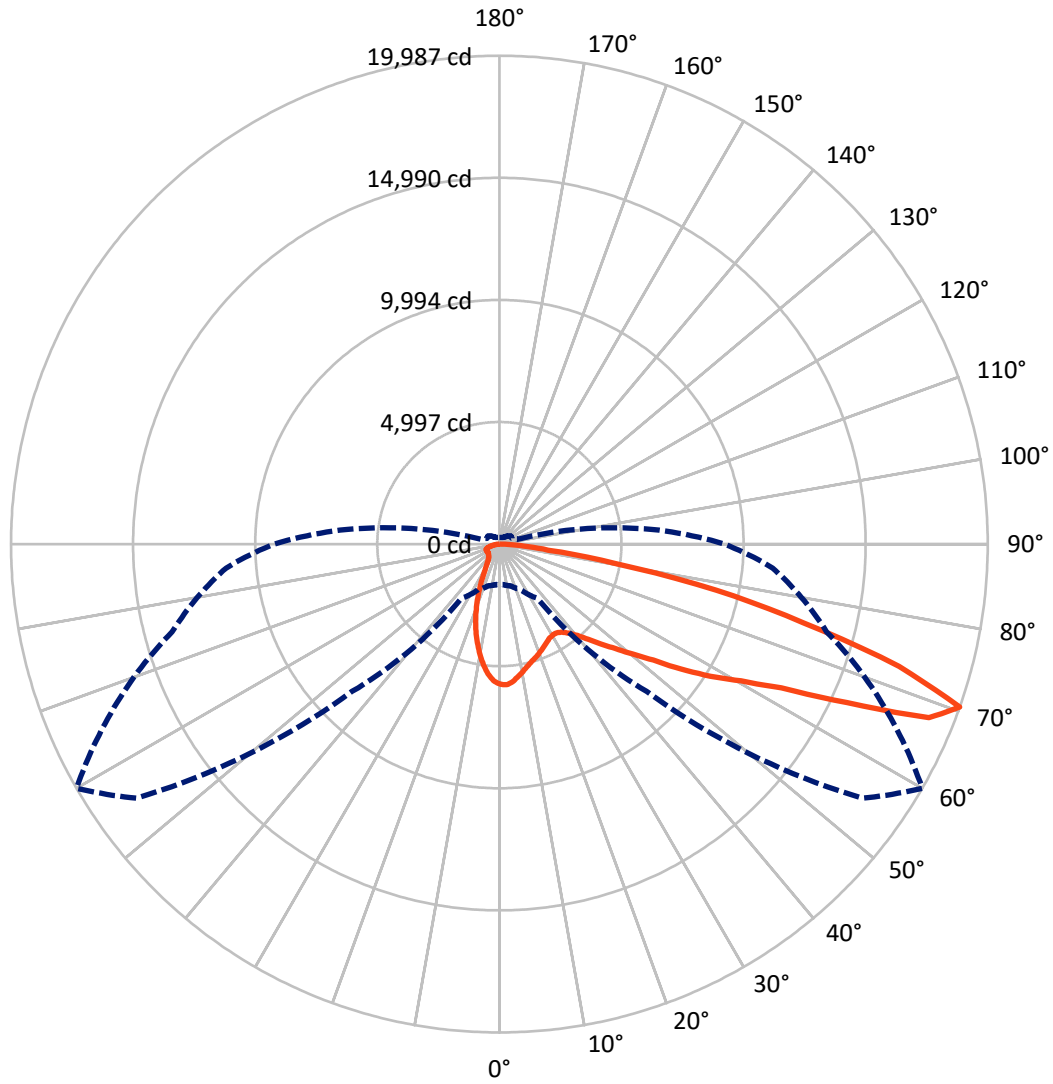
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P641721
CATALOG NUMBER: GWS-SA6B-740-U-SL3-W

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P641721

CATALOG NUMBER: GWS-SA6B-740-U-SL3-W

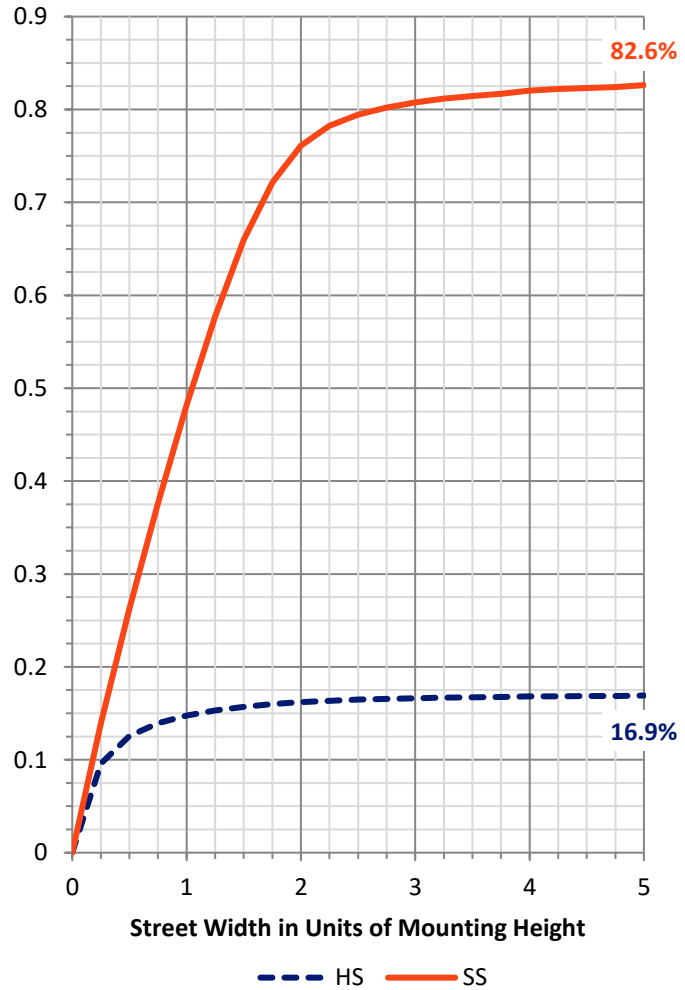
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3547.9 | 0.0 | 3547.9 |
| | % Fixture | 17.1 | 0.0 | 17.1 |
| Street Side | Lumens | 17197.4 | 0.0 | 17197.4 |
| | % Fixture | 82.9 | 0.0 | 82.9 |
| Total | Lumens | 20745.3 | 0.0 | 20745.3 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 494.8 | 2.4 |
| 10°-20° | 1108.5 | 5.3 |
| 20°-30° | 1419.7 | 6.8 |
| 30°-40° | 1865.8 | 9.0 |
| 40°-50° | 2706.9 | 13.0 |
| 50°-60° | 4223.5 | 20.4 |
| 60°-70° | 5529.3 | 26.7 |
| 70°-80° | 3057.5 | 14.7 |
| 80°-90° | 339.3 | 1.6 |
| 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° | 20745.3 | 100.0 |
| 0°-180° | 20745.3 | 100.0 |

Coefficient of Utilization



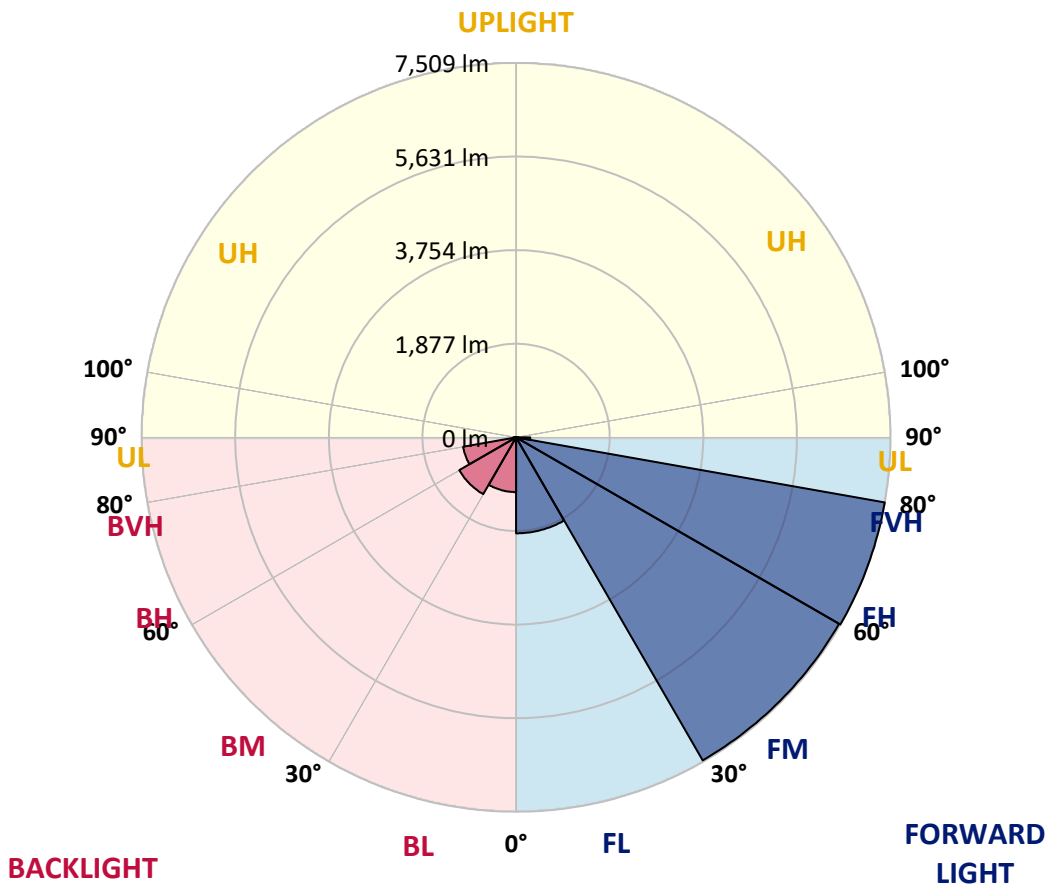
REPORT NUMBER: P641721

CATALOG NUMBER: GWS-SA6B-740-U-SL3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|----------|
| | | | B | U | G |
| FL (0°-30°) | 1925.3 | 9.3 | | | |
| FM (30°-60°) | 7480.7 | 36.1 | | | |
| FH (60°-80°) | 7508.7 | 36.2 | | | G4/12000 |
| FVH (80°-90°) | 282.7 | 1.4 | | | G3/500 |
| BL (0°-30°) | 1097.7 | 5.3 | B3/2500 | | |
| BM (30°-60°) | 1315.5 | 6.3 | B2/2500 | | |
| BH (60°-80°) | 1078.2 | 5.2 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 56.6 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G4
 Type III Medium





REPORT NUMBER: P641721
 CATALOG NUMBER: GWS-SA6B-740-U-SL3-W

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 60° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|---------|
| 0° | 5740.5 | 5740.5 | 5740.5 | 5740.5 | 5740.5 | 5740.5 | 5740.5 | 5740.5 | 5740.5 | 5740.5 | 5740.5 |
| 2.5° | 5660.0 | 5666.1 | 5682.8 | 5707.1 | 5731.4 | 5743.5 | 5773.9 | 5764.8 | 5758.7 | 5746.6 | 5731.4 |
| 5° | 5409.6 | 5421.7 | 5436.9 | 5484.0 | 5537.1 | 5579.6 | 5647.9 | 5655.5 | 5658.5 | 5664.6 | 5640.3 |
| 7.5° | 5090.9 | 5093.9 | 5130.3 | 5192.6 | 5262.4 | 5335.2 | 5449.1 | 5480.9 | 5508.3 | 5538.6 | 5518.9 |
| 10° | 4738.7 | 4746.3 | 4773.6 | 4863.2 | 4983.1 | 5090.9 | 5244.2 | 5297.3 | 5355.0 | 5421.7 | 5394.4 |
| 12.5° | 4450.3 | 4451.8 | 4495.9 | 4591.5 | 4722.0 | 4867.7 | 5059.0 | 5122.7 | 5198.6 | 5303.4 | 5279.1 |
| 15° | 4221.1 | 4221.1 | 4262.1 | 4344.1 | 4494.3 | 4665.9 | 4893.5 | 4975.5 | 5078.7 | 5219.9 | 5177.4 |
| 17.5° | 4039.0 | 4040.5 | 4066.3 | 4152.8 | 4286.4 | 4476.1 | 4746.3 | 4857.1 | 4970.9 | 5157.6 | 5093.9 |
| 20° | 3943.4 | 3935.8 | 3940.3 | 3993.5 | 4107.3 | 4291.0 | 4599.1 | 4728.1 | 4881.4 | 5115.1 | 5018.0 |
| 22.5° | 3938.8 | 3925.1 | 3905.4 | 3910.0 | 3976.8 | 4128.5 | 4441.2 | 4597.6 | 4790.3 | 5080.2 | 4940.6 |
| 25° | 4016.2 | 4001.0 | 3966.1 | 3926.7 | 3920.6 | 4011.7 | 4292.5 | 4470.1 | 4696.2 | 5065.1 | 4866.2 |
| 27.5° | 4146.8 | 4136.1 | 4090.6 | 4031.4 | 3969.2 | 3966.1 | 4180.1 | 4365.3 | 4627.9 | 5080.2 | 4813.1 |
| 30° | 4319.8 | 4301.6 | 4272.7 | 4196.8 | 4102.7 | 4005.6 | 4136.1 | 4309.2 | 4582.4 | 5128.8 | 4790.3 |
| 32.5° | 4515.6 | 4505.0 | 4477.6 | 4401.8 | 4301.6 | 4146.8 | 4171.0 | 4321.3 | 4582.4 | 5213.8 | 4794.9 |
| 35° | 4723.5 | 4722.0 | 4722.0 | 4671.9 | 4561.1 | 4368.4 | 4309.2 | 4424.5 | 4652.2 | 5350.4 | 4843.4 |
| 37.5° | 4925.4 | 4923.9 | 4972.5 | 4990.7 | 4864.7 | 4656.8 | 4544.4 | 4630.9 | 4805.5 | 5552.3 | 4963.4 |
| 40° | 5089.3 | 5095.4 | 5201.7 | 5292.7 | 5222.9 | 5030.1 | 4872.3 | 4916.3 | 5054.4 | 5839.2 | 5172.8 |
| 42.5° | 5254.8 | 5271.5 | 5430.9 | 5591.7 | 5619.1 | 5452.1 | 5292.7 | 5318.5 | 5411.1 | 6218.6 | 5485.5 |
| 45° | 5435.4 | 5443.0 | 5666.1 | 5890.8 | 6022.8 | 5924.2 | 5793.6 | 5828.5 | 5849.8 | 6687.6 | 5951.5 |
| 47.5° | 5610.0 | 5629.7 | 5918.1 | 6226.2 | 6476.6 | 6467.5 | 6394.7 | 6384.1 | 6388.6 | 7258.3 | 6502.5 |
| 50° | 5848.3 | 5877.1 | 6215.6 | 6587.5 | 6954.8 | 7123.3 | 7144.5 | 7064.1 | 7030.7 | 7892.8 | 7188.5 |
| 52.5° | 6300.6 | 6300.6 | 6604.1 | 6969.9 | 7463.2 | 7880.7 | 8023.3 | 7891.3 | 7785.0 | 8563.7 | 7917.1 |
| 55° | 6866.7 | 6891.0 | 7132.4 | 7428.3 | 8053.7 | 8677.5 | 9160.2 | 9014.5 | 8714.0 | 9293.8 | 8680.6 |
| 57.5° | 7118.7 | 7149.1 | 7531.6 | 7991.5 | 8826.3 | 9583.7 | 10253.0 | 10201.4 | 9762.8 | 10052.7 | 9472.9 |
| 60° | 6663.3 | 6727.1 | 7253.8 | 8024.9 | 9526.0 | 11045.4 | 11517.4 | 11367.1 | 10740.3 | 10849.6 | 10332.0 |
| 62.5° | 5558.4 | 5628.2 | 6212.5 | 7288.7 | 9428.9 | 12625.4 | 13510.3 | 12956.3 | 11960.6 | 11855.9 | 11476.4 |
| 65° | 3316.5 | 3313.5 | 4016.2 | 5443.0 | 8231.3 | 13064.1 | 16664.4 | 15630.8 | 13845.8 | 13237.1 | 12654.3 |
| 67.5° | 2108.3 | 2103.7 | 2251.0 | 2883.9 | 5477.9 | 11989.5 | 18692.3 | 18960.9 | 16406.4 | 14252.6 | 12751.4 |
| 70° | 1663.6 | 1662.0 | 1768.3 | 2056.7 | 2709.4 | 8531.8 | 18127.6 | 19987.0 | 17953.1 | 13865.5 | 11227.5 |
| 72.5° | 1212.8 | 1215.8 | 1379.7 | 1722.8 | 2090.1 | 4283.4 | 14679.1 | 17101.6 | 16512.6 | 12239.9 | 9114.7 |
| 75° | 871.2 | 875.8 | 974.5 | 1319.0 | 1927.7 | 2342.0 | 9761.3 | 12859.2 | 12563.2 | 9811.4 | 6270.2 |
| 77.5° | 554.0 | 560.1 | 646.6 | 924.4 | 1557.3 | 1891.2 | 5918.1 | 9078.2 | 8358.8 | 5528.0 | 2229.7 |
| 80° | 338.5 | 358.2 | 431.1 | 689.1 | 1244.6 | 1419.2 | 2958.3 | 4782.7 | 4186.2 | 1516.3 | 749.8 |
| 82.5° | 174.6 | 189.7 | 259.6 | 426.5 | 857.6 | 1246.2 | 1674.2 | 2009.6 | 1296.2 | 634.5 | 399.2 |
| 85° | 54.6 | 63.7 | 91.1 | 173.0 | 408.3 | 772.6 | 1108.0 | 998.7 | 595.0 | 299.0 | 185.2 |
| 87.5° | 13.7 | 13.7 | 15.2 | 15.2 | 16.7 | 34.9 | 214.0 | 226.2 | 157.9 | 94.1 | 75.9 |
| 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: P641721
 CATALOG NUMBER: GWS-SA6B-740-U-SL3-W

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5740.5 | 5740.5 | 5740.5 | 5740.5 | 5740.5 | 5740.5 | 5740.5 | 5740.5 | 5740.5 | 5740.5 | 5740.5 |
| 2.5° | 5701.0 | 5664.6 | 5649.4 | 5647.9 | 5610.0 | 5555.3 | 5518.9 | 5493.1 | 5477.9 | 5474.9 | 5474.9 |
| 5° | 5599.3 | 5552.3 | 5490.0 | 5443.0 | 5341.3 | 5238.1 | 5151.6 | 5103.0 | 5046.8 | 5039.2 | 5037.7 |
| 7.5° | 5464.2 | 5395.9 | 5277.6 | 5145.5 | 4967.9 | 4796.4 | 4650.7 | 4552.0 | 4453.4 | 4435.1 | 4429.1 |
| 10° | 5318.5 | 5225.9 | 5024.1 | 4791.8 | 4526.2 | 4269.7 | 4046.6 | 3872.0 | 3756.7 | 3674.7 | 3659.5 |
| 12.5° | 5174.3 | 5051.4 | 4755.4 | 4409.3 | 4045.1 | 3694.4 | 3359.0 | 3073.6 | 2867.2 | 2747.3 | 2726.1 |
| 15° | 5039.2 | 4867.7 | 4462.5 | 4020.8 | 3547.2 | 3067.6 | 2592.5 | 2222.1 | 1932.2 | 1829.0 | 1804.7 |
| 17.5° | 4916.3 | 4702.3 | 4178.6 | 3618.5 | 3028.1 | 2401.2 | 1860.9 | 1531.5 | 1361.5 | 1309.9 | 1297.8 |
| 20° | 4793.4 | 4532.3 | 3890.2 | 3195.1 | 2477.1 | 1774.4 | 1360.0 | 1205.2 | 1141.4 | 1121.7 | 1115.6 |
| 22.5° | 4661.3 | 4345.6 | 3576.0 | 2777.7 | 1920.1 | 1328.1 | 1112.6 | 1044.3 | 1024.5 | 1026.1 | 1024.5 |
| 25° | 4529.3 | 4155.9 | 3246.7 | 2323.8 | 1429.8 | 1077.7 | 971.4 | 945.6 | 950.2 | 963.8 | 966.9 |
| 27.5° | 4420.0 | 3987.4 | 2923.4 | 1826.0 | 1117.1 | 927.4 | 877.3 | 875.8 | 892.5 | 910.7 | 913.7 |
| 30° | 4341.0 | 3837.1 | 2604.6 | 1404.0 | 919.8 | 824.2 | 804.5 | 813.6 | 833.3 | 847.0 | 851.5 |
| 32.5° | 4284.9 | 3708.1 | 2264.6 | 1103.5 | 806.0 | 751.3 | 742.2 | 751.3 | 763.5 | 777.1 | 780.2 |
| 35° | 4265.1 | 3614.0 | 1930.7 | 900.1 | 728.6 | 698.2 | 692.1 | 696.7 | 702.8 | 710.4 | 713.4 |
| 37.5° | 4309.2 | 3566.9 | 1581.6 | 783.2 | 681.5 | 663.3 | 654.2 | 651.2 | 652.7 | 655.7 | 657.2 |
| 40° | 4439.7 | 3588.2 | 1296.2 | 714.9 | 651.2 | 634.5 | 619.3 | 613.2 | 611.7 | 614.7 | 613.2 |
| 42.5° | 4664.3 | 3677.7 | 1089.8 | 675.4 | 626.9 | 602.6 | 585.9 | 579.8 | 579.8 | 587.4 | 587.4 |
| 45° | 4993.7 | 3853.8 | 941.1 | 646.6 | 605.6 | 575.3 | 557.0 | 554.0 | 560.1 | 572.2 | 573.7 |
| 47.5° | 5476.4 | 4111.8 | 851.5 | 625.4 | 585.9 | 551.0 | 532.8 | 531.2 | 543.4 | 563.1 | 564.6 |
| 50° | 6048.6 | 4483.7 | 802.9 | 610.2 | 572.2 | 531.2 | 513.0 | 514.5 | 528.2 | 549.5 | 554.0 |
| 52.5° | 6737.7 | 4990.7 | 806.0 | 604.1 | 564.6 | 519.1 | 500.9 | 497.9 | 511.5 | 532.8 | 537.3 |
| 55° | 7449.6 | 5606.9 | 865.2 | 605.6 | 554.0 | 513.0 | 488.7 | 478.1 | 490.3 | 505.4 | 507.0 |
| 57.5° | 8232.8 | 6302.1 | 1012.4 | 602.6 | 540.4 | 507.0 | 478.1 | 453.8 | 461.4 | 470.5 | 475.1 |
| 60° | 9116.2 | 7120.2 | 1329.6 | 608.7 | 534.3 | 493.3 | 456.9 | 425.0 | 423.5 | 429.6 | 431.1 |
| 62.5° | 10297.1 | 8232.8 | 1686.3 | 619.3 | 547.9 | 476.6 | 425.0 | 391.6 | 385.5 | 388.6 | 390.1 |
| 65° | 11200.2 | 8764.0 | 1574.0 | 610.2 | 576.8 | 464.5 | 394.6 | 359.7 | 347.6 | 344.6 | 344.6 |
| 67.5° | 10832.9 | 8061.3 | 1095.9 | 585.9 | 590.4 | 466.0 | 370.4 | 326.3 | 311.2 | 303.6 | 302.1 |
| 70° | 9217.9 | 6548.0 | 762.0 | 561.6 | 575.3 | 462.9 | 344.6 | 299.0 | 279.3 | 268.7 | 267.1 |
| 72.5° | 7282.6 | 4999.8 | 616.2 | 513.0 | 522.1 | 417.4 | 306.6 | 268.7 | 252.0 | 238.3 | 238.3 |
| 75° | 4687.1 | 3050.9 | 514.5 | 456.9 | 426.5 | 324.8 | 265.6 | 239.8 | 223.1 | 209.5 | 209.5 |
| 77.5° | 1577.0 | 1132.3 | 399.2 | 387.1 | 318.7 | 244.4 | 223.1 | 206.4 | 192.8 | 180.6 | 179.1 |
| 80° | 640.5 | 537.3 | 292.9 | 292.9 | 223.1 | 186.7 | 174.6 | 167.0 | 157.9 | 142.7 | 142.7 |
| 82.5° | 371.9 | 326.3 | 204.9 | 177.6 | 148.7 | 129.0 | 121.4 | 113.8 | 113.8 | 103.2 | 103.2 |
| 85° | 179.1 | 180.6 | 122.9 | 109.3 | 85.0 | 74.4 | 71.3 | 66.8 | 65.3 | 59.2 | 57.7 |
| 87.5° | 97.1 | 98.7 | 62.2 | 48.6 | 33.4 | 28.8 | 24.3 | 22.8 | 21.2 | 19.7 | 19.7 |
| 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)