

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: P642445

Luminaire Tested: GWS-SA6C-830-U-SLR-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642445
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-44)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6C-830-U-SLR-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
SPILL LIGHT ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13998.4 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G3

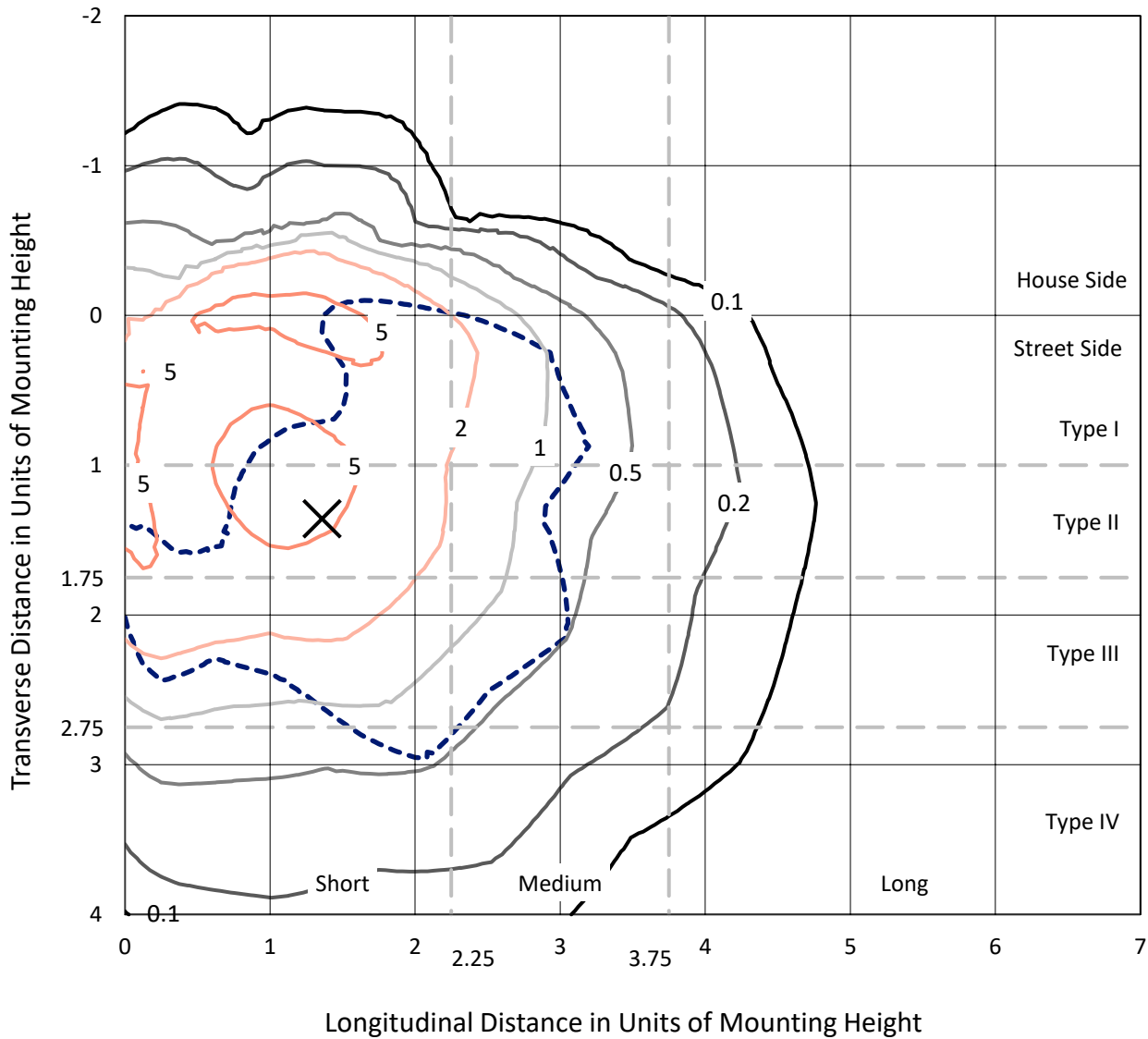
Input Watts (W): 189.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P642445
 CATALOG NUMBER: GWS-SA6C-830-U-SLR-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

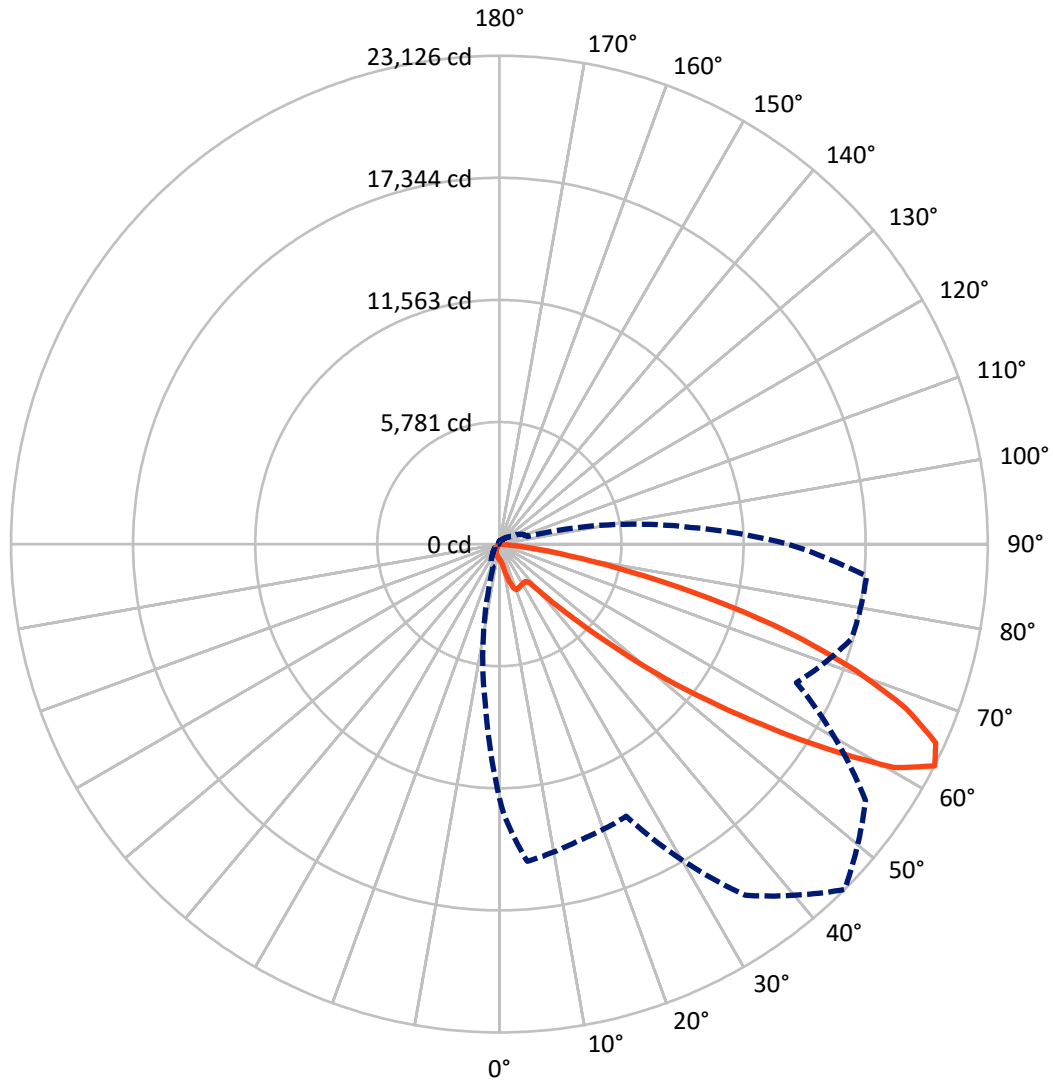
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 7.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P642445
CATALOG NUMBER: GWS-SA6C-830-U-SLR-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P642445
 CATALOG NUMBER: GWS-SA6C-830-U-SLR-W-HSS

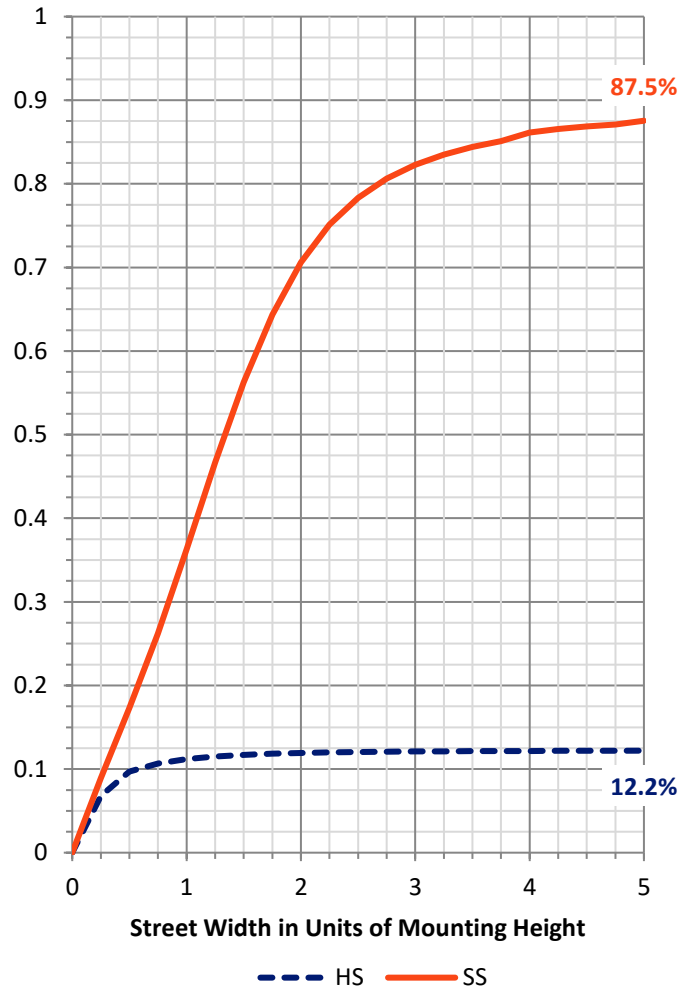
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1727.4 | 0.0 | 1727.4 |
| | % Fixture | 12.3 | 0.0 | 12.3 |
| Street Side | Lumens | 12271.0 | 0.0 | 12271.0 |
| | % Fixture | 87.7 | 0.0 | 87.7 |
| Total | Lumens | 13998.4 | 0.0 | 13998.4 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 64.6 | 0.5 |
| 10°-20° | 244.1 | 1.7 |
| 20°-30° | 530.5 | 3.8 |
| 30°-40° | 870.8 | 6.2 |
| 40°-50° | 1600.8 | 11.4 |
| 50°-60° | 3437.8 | 24.6 |
| 60°-70° | 4617.5 | 33.0 |
| 70°-80° | 2404.4 | 17.2 |
| 80°-90° | 228.0 | 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° | 13998.4 | 100.0 |
| 0°-180° | 13998.4 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P642445

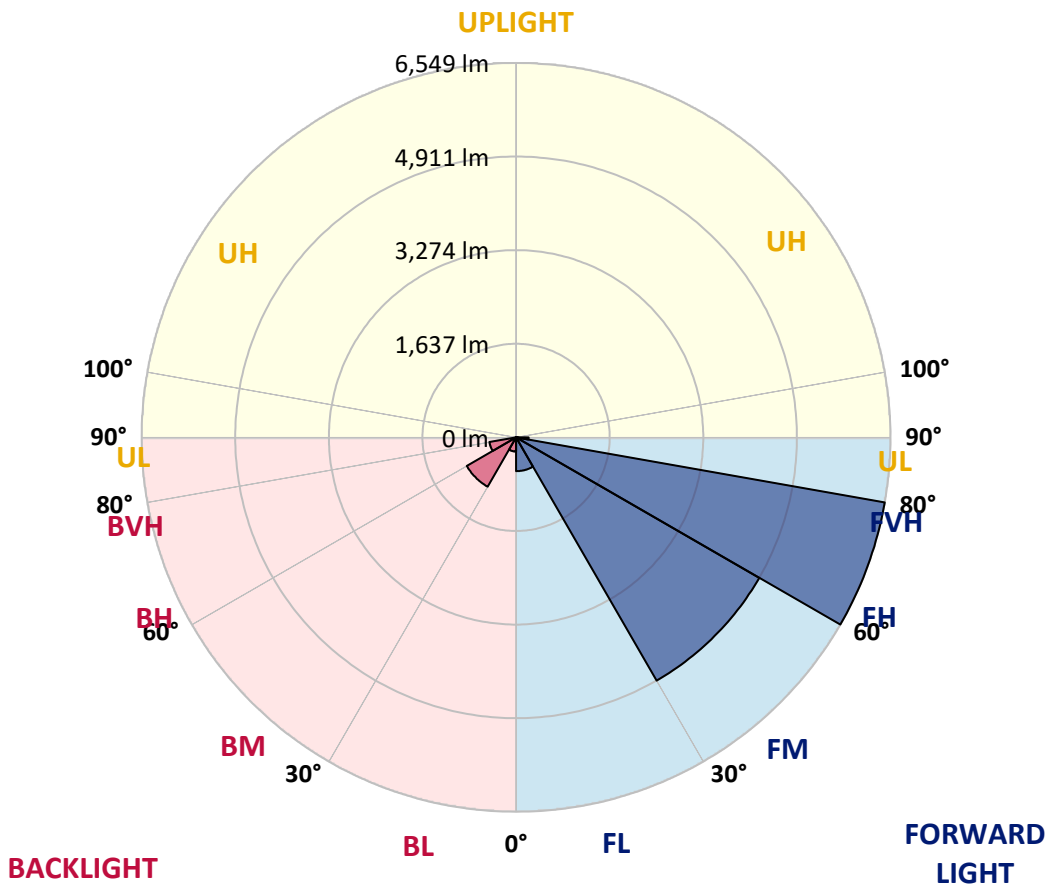
CATALOG NUMBER: GWS-SA6C-830-U-SLR-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 591.4 | 4.2 | | | |
| FM (30°-60°) | 4913.3 | 35.1 | | | |
| FH (60°-80°) | 6548.6 | 46.8 | | | G3/7500 |
| FVH (80°-90°) | 217.8 | 1.6 | | | G2/225 |
| BL (0°-30°) | 247.8 | 1.8 | B1/500 | | |
| BM (30°-60°) | 996.1 | 7.1 | B1/1000 | | |
| BH (60°-80°) | 473.3 | 3.4 | B1/500 | | G1/500 |
| BVH (80°-90°) | 10.2 | 0.1 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G3

Type IV Short





REPORT NUMBER: P642445

CATALOG NUMBER: GWS-SA6C-830-U-SLR-W-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 1° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 |
| 2.5° | 742.2 | 745.4 | 748.6 | 760.0 | 768.0 | 774.5 | 776.1 | 771.3 | 760.0 | 748.6 | 732.5 |
| 5° | 719.5 | 722.8 | 734.1 | 764.8 | 795.5 | 819.8 | 827.9 | 823.0 | 795.5 | 760.0 | 722.8 |
| 7.5° | 717.9 | 724.4 | 751.9 | 816.6 | 882.9 | 933.0 | 945.9 | 934.6 | 882.9 | 811.7 | 735.7 |
| 10° | 776.1 | 787.5 | 827.9 | 944.3 | 1065.6 | 1154.5 | 1190.1 | 1141.6 | 1059.1 | 929.7 | 805.2 |
| 12.5° | 928.1 | 947.5 | 1025.1 | 1194.9 | 1382.5 | 1500.5 | 1549.0 | 1489.2 | 1359.8 | 1172.3 | 975.0 |
| 15° | 1167.4 | 1196.5 | 1313.0 | 1566.8 | 1788.3 | 1893.4 | 1909.6 | 1875.7 | 1725.3 | 1518.3 | 1253.1 |
| 17.5° | 1505.4 | 1547.4 | 1728.5 | 1987.2 | 2147.3 | 2184.5 | 2179.6 | 2144.1 | 2034.1 | 1891.8 | 1641.2 |
| 20° | 1909.6 | 1959.7 | 2137.6 | 2351.0 | 2367.2 | 2323.5 | 2299.3 | 2278.3 | 2241.1 | 2216.8 | 2021.2 |
| 22.5° | 2317.1 | 2378.5 | 2564.5 | 2617.8 | 2472.3 | 2346.2 | 2286.4 | 2302.5 | 2357.5 | 2477.2 | 2397.9 |
| 25° | 2722.9 | 2781.1 | 2955.8 | 2811.9 | 2520.8 | 2310.6 | 2234.6 | 2273.4 | 2404.4 | 2663.1 | 2765.0 |
| 27.5° | 3196.7 | 3240.4 | 3343.8 | 2944.5 | 2528.9 | 2281.5 | 2207.1 | 2267.0 | 2427.0 | 2779.5 | 3167.6 |
| 30° | 3689.9 | 3715.7 | 3665.6 | 2980.0 | 2501.4 | 2237.8 | 2179.6 | 2267.0 | 2465.8 | 2857.1 | 3470.0 |
| 32.5° | 4052.1 | 4056.9 | 3893.6 | 2983.3 | 2486.9 | 2202.3 | 2153.8 | 2257.3 | 2503.0 | 2921.8 | 3762.6 |
| 35° | 4425.6 | 4401.3 | 4111.9 | 3031.8 | 2525.7 | 2215.2 | 2173.2 | 2284.7 | 2561.2 | 2997.8 | 4019.7 |
| 37.5° | 4803.9 | 4760.3 | 4356.0 | 3111.0 | 2625.9 | 2355.9 | 2330.0 | 2425.4 | 2655.0 | 3102.9 | 4302.7 |
| 40° | 5192.0 | 5132.2 | 4609.9 | 3230.6 | 2849.1 | 2834.5 | 2923.4 | 2912.1 | 2912.1 | 3237.1 | 4593.7 |
| 42.5° | 5665.8 | 5596.2 | 4985.0 | 3568.6 | 3369.7 | 3694.7 | 3937.3 | 3786.9 | 3508.8 | 3546.0 | 4972.1 |
| 45° | 6291.5 | 6231.7 | 5635.0 | 4215.4 | 4186.3 | 4933.3 | 5259.9 | 4962.4 | 4270.3 | 4259.0 | 5604.3 |
| 47.5° | 7292.4 | 7281.1 | 6671.5 | 4965.6 | 5185.5 | 6509.8 | 7140.4 | 6568.0 | 5138.6 | 5014.1 | 6800.9 |
| 50° | 8699.1 | 8665.2 | 7963.4 | 5845.2 | 6374.0 | 8463.1 | 9588.5 | 8634.5 | 6188.0 | 5895.4 | 8403.2 |
| 52.5° | 10283.7 | 10319.3 | 9772.8 | 6805.7 | 7636.8 | 10636.2 | 12203.1 | 11001.7 | 7328.0 | 7015.9 | 10419.6 |
| 55° | 11776.2 | 11979.9 | 11836.0 | 7929.5 | 8870.5 | 13035.8 | 15074.7 | 13598.5 | 8739.6 | 8482.5 | 12680.1 |
| 57.5° | 12943.6 | 13517.6 | 14526.6 | 9562.6 | 10320.9 | 15842.8 | 18281.1 | 16413.6 | 10387.2 | 10864.2 | 15757.1 |
| 60° | 13008.3 | 13768.3 | 16111.2 | 12979.2 | 12186.9 | 18250.4 | 21482.7 | 19164.0 | 12977.6 | 14908.2 | 18168.0 |
| 62.5° | 12033.3 | 12848.2 | 15079.6 | 14531.5 | 14219.4 | 20299.1 | 23125.5 | 21169.0 | 15525.9 | 17277.0 | 17453.3 |
| 65° | 10917.6 | 11740.6 | 13928.3 | 12770.6 | 13983.3 | 20211.8 | 22708.3 | 21215.9 | 15757.1 | 15666.5 | 16174.3 |
| 67.5° | 9231.1 | 9970.1 | 11950.8 | 11304.0 | 12888.6 | 19236.8 | 20780.9 | 19878.7 | 14516.9 | 14652.7 | 14879.1 |
| 70° | 6737.8 | 7449.3 | 9287.7 | 9320.1 | 11255.5 | 17479.1 | 17855.9 | 17731.4 | 13368.9 | 13512.8 | 12866.0 |
| 72.5° | 4867.0 | 5466.9 | 7053.1 | 7643.3 | 8985.3 | 14657.6 | 14397.2 | 14877.5 | 11470.6 | 12034.9 | 10333.9 |
| 75° | 3499.1 | 3948.6 | 5174.2 | 6648.9 | 7122.6 | 10885.3 | 10306.4 | 11522.3 | 9203.6 | 10363.0 | 7769.4 |
| 77.5° | 1419.7 | 1578.1 | 2035.7 | 4478.9 | 4681.0 | 7323.1 | 6309.3 | 8369.3 | 6561.5 | 6808.9 | 3765.9 |
| 80° | 58.2 | 64.7 | 84.1 | 2312.2 | 3209.6 | 4120.0 | 3376.2 | 4474.1 | 4333.4 | 2742.3 | 889.3 |
| 82.5° | 6.5 | 6.5 | 14.6 | 666.2 | 1405.1 | 2273.4 | 1591.1 | 2577.4 | 2194.2 | 1162.6 | 404.2 |
| 85° | 1.6 | 1.6 | 3.2 | 76.0 | 329.9 | 363.8 | 215.1 | 790.7 | 1020.3 | 475.4 | 0.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 8.1 | 14.6 | 16.2 | 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 |



REPORT NUMBER: P642445

CATALOG NUMBER: GWS-SA6C-830-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|---------|---------|--------|--------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 |
| 2.5° | 732.5 | 724.4 | 714.7 | 705.0 | 700.1 | 687.2 | 682.3 | 679.1 | 675.9 | 677.5 | 677.5 |
| 5° | 708.2 | 690.4 | 669.4 | 648.4 | 637.1 | 624.1 | 617.7 | 614.4 | 616.1 | 622.5 | 622.5 |
| 7.5° | 705.0 | 671.0 | 625.8 | 598.3 | 585.3 | 575.6 | 569.2 | 565.9 | 567.5 | 575.6 | 578.9 |
| 10° | 758.3 | 698.5 | 617.7 | 570.8 | 556.2 | 546.5 | 540.1 | 535.2 | 532.0 | 538.4 | 540.1 |
| 12.5° | 873.1 | 790.7 | 656.5 | 567.5 | 541.7 | 528.7 | 523.9 | 514.2 | 509.3 | 512.6 | 514.2 |
| 15° | 1110.8 | 968.5 | 734.1 | 580.5 | 528.7 | 514.2 | 506.1 | 498.0 | 489.9 | 488.3 | 489.9 |
| 17.5° | 1421.3 | 1217.6 | 852.1 | 611.2 | 519.0 | 501.3 | 489.9 | 478.6 | 467.3 | 465.7 | 464.1 |
| 20° | 1806.1 | 1523.2 | 1017.1 | 659.7 | 511.0 | 489.9 | 473.8 | 457.6 | 443.0 | 438.2 | 438.2 |
| 22.5° | 2157.0 | 1891.8 | 1228.9 | 719.5 | 499.6 | 473.8 | 454.4 | 435.0 | 418.8 | 410.7 | 409.1 |
| 25° | 2585.5 | 2283.1 | 1482.7 | 789.1 | 483.5 | 452.7 | 431.7 | 412.3 | 396.2 | 386.4 | 383.2 |
| 27.5° | 3017.2 | 2695.4 | 1770.6 | 879.6 | 464.1 | 431.7 | 412.3 | 394.5 | 376.7 | 365.4 | 362.2 |
| 30° | 3436.0 | 3140.1 | 2093.9 | 992.8 | 449.5 | 410.7 | 394.5 | 376.7 | 360.6 | 342.8 | 337.9 |
| 32.5° | 3885.5 | 3594.5 | 2456.1 | 1118.9 | 438.2 | 396.2 | 378.4 | 362.2 | 341.2 | 325.0 | 316.9 |
| 35° | 4318.9 | 4063.4 | 2855.5 | 1241.8 | 426.9 | 383.2 | 363.8 | 347.6 | 325.0 | 307.2 | 295.9 |
| 37.5° | 4755.4 | 4540.4 | 3272.7 | 1316.2 | 410.7 | 365.4 | 347.6 | 334.7 | 308.8 | 287.8 | 274.9 |
| 40° | 5217.9 | 5033.5 | 3723.8 | 1285.5 | 396.2 | 346.0 | 336.3 | 321.8 | 292.7 | 268.4 | 252.2 |
| 42.5° | 5725.6 | 5504.1 | 4183.0 | 1167.4 | 383.2 | 329.9 | 320.2 | 305.6 | 278.1 | 249.0 | 228.0 |
| 45° | 6364.3 | 6019.9 | 4559.8 | 989.6 | 389.7 | 313.7 | 294.3 | 291.0 | 265.2 | 228.0 | 202.1 |
| 47.5° | 7462.2 | 6812.2 | 4852.4 | 874.8 | 433.3 | 295.9 | 273.3 | 281.3 | 253.9 | 207.0 | 177.9 |
| 50° | 9142.2 | 8125.1 | 5125.7 | 866.7 | 499.6 | 287.8 | 253.9 | 274.9 | 242.5 | 185.9 | 156.8 |
| 52.5° | 10743.0 | 9459.1 | 5300.3 | 937.8 | 557.8 | 308.8 | 234.5 | 266.8 | 234.5 | 171.4 | 142.3 |
| 55° | 12274.2 | 10228.8 | 4988.3 | 989.6 | 612.8 | 371.9 | 219.9 | 253.9 | 224.8 | 163.3 | 137.4 |
| 57.5° | 13925.1 | 10571.6 | 3927.6 | 1094.7 | 651.6 | 425.3 | 223.1 | 234.5 | 211.8 | 158.5 | 135.8 |
| 60° | 14418.3 | 10133.4 | 2370.4 | 1232.1 | 630.6 | 441.4 | 247.4 | 208.6 | 194.0 | 148.8 | 131.0 |
| 62.5° | 13651.8 | 9093.7 | 1398.7 | 1122.2 | 612.8 | 417.2 | 283.0 | 192.4 | 176.2 | 135.8 | 121.3 |
| 65° | 12505.4 | 7682.1 | 912.0 | 947.5 | 650.0 | 371.9 | 300.8 | 184.3 | 160.1 | 122.9 | 106.7 |
| 67.5° | 11195.7 | 6188.0 | 638.7 | 559.5 | 599.9 | 334.7 | 253.9 | 182.7 | 143.9 | 103.5 | 87.3 |
| 70° | 9430.0 | 4634.2 | 449.5 | 370.3 | 499.6 | 297.5 | 197.3 | 177.9 | 126.1 | 84.1 | 67.9 |
| 72.5° | 7285.9 | 2900.8 | 334.7 | 239.3 | 355.7 | 242.5 | 156.8 | 150.4 | 101.9 | 69.5 | 51.7 |
| 75° | 5373.1 | 1654.1 | 236.1 | 173.0 | 234.5 | 184.3 | 116.4 | 106.7 | 87.3 | 66.3 | 46.9 |
| 77.5° | 2805.4 | 827.9 | 147.1 | 132.6 | 134.2 | 114.8 | 84.1 | 77.6 | 80.8 | 66.3 | 43.7 |
| 80° | 538.4 | 164.9 | 88.9 | 97.0 | 72.8 | 72.8 | 61.4 | 64.7 | 71.1 | 53.4 | 37.2 |
| 82.5° | 224.8 | 35.6 | 48.5 | 55.0 | 45.3 | 50.1 | 50.1 | 51.7 | 50.1 | 38.8 | 27.5 |
| 85° | 0.0 | 0.0 | 21.0 | 22.6 | 30.7 | 30.7 | 25.9 | 25.9 | 25.9 | 22.6 | 16.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 4.9 | 9.7 | 11.3 | 12.9 | 9.7 | 6.5 |
| 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: P642445

CATALOG NUMBER: GWS-SA6C-830-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

| | 185° | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 |
| 2.5° | 675.9 | 672.6 | 677.5 | 680.7 | 684.0 | 684.0 | 680.7 | 677.5 | 672.6 | 677.5 | 672.6 |
| 5° | 624.1 | 629.0 | 637.1 | 640.3 | 643.5 | 637.1 | 633.8 | 624.1 | 616.1 | 617.7 | 614.4 |
| 7.5° | 583.7 | 588.6 | 598.3 | 604.7 | 604.7 | 601.5 | 591.8 | 582.1 | 569.2 | 569.2 | 567.5 |
| 10° | 546.5 | 553.0 | 564.3 | 572.4 | 575.6 | 572.4 | 562.7 | 549.8 | 538.4 | 538.4 | 533.6 |
| 12.5° | 515.8 | 523.9 | 536.8 | 548.1 | 551.4 | 548.1 | 538.4 | 525.5 | 512.6 | 512.6 | 509.3 |
| 15° | 489.9 | 499.6 | 514.2 | 527.1 | 532.0 | 527.1 | 515.8 | 499.6 | 486.7 | 488.3 | 483.5 |
| 17.5° | 465.7 | 473.8 | 493.2 | 507.7 | 512.6 | 507.7 | 493.2 | 472.1 | 459.2 | 462.4 | 459.2 |
| 20° | 438.2 | 447.9 | 467.3 | 483.5 | 488.3 | 483.5 | 467.3 | 444.7 | 431.7 | 431.7 | 433.3 |
| 22.5° | 409.1 | 418.8 | 438.2 | 449.5 | 456.0 | 451.1 | 435.0 | 413.9 | 401.0 | 401.0 | 402.6 |
| 25° | 383.2 | 388.1 | 402.6 | 413.9 | 415.6 | 410.7 | 397.8 | 381.6 | 371.9 | 376.7 | 378.4 |
| 27.5° | 359.0 | 359.0 | 365.4 | 371.9 | 370.3 | 365.4 | 360.6 | 347.6 | 346.0 | 350.9 | 355.7 |
| 30° | 333.1 | 325.0 | 321.8 | 316.9 | 315.3 | 313.7 | 318.5 | 318.5 | 321.8 | 328.2 | 333.1 |
| 32.5° | 310.5 | 294.3 | 279.7 | 265.2 | 257.1 | 263.6 | 276.5 | 287.8 | 299.1 | 308.8 | 313.7 |
| 35° | 284.6 | 258.7 | 234.5 | 215.1 | 202.1 | 211.8 | 232.8 | 253.9 | 273.3 | 286.2 | 294.3 |
| 37.5° | 258.7 | 221.5 | 192.4 | 168.2 | 158.5 | 166.5 | 189.2 | 218.3 | 247.4 | 263.6 | 274.9 |
| 40° | 231.2 | 184.3 | 150.4 | 131.0 | 121.3 | 129.4 | 152.0 | 181.1 | 219.9 | 240.9 | 255.5 |
| 42.5° | 203.7 | 152.0 | 121.3 | 101.9 | 97.0 | 101.9 | 119.7 | 148.8 | 190.8 | 216.7 | 236.1 |
| 45° | 176.2 | 126.1 | 97.0 | 82.5 | 77.6 | 82.5 | 97.0 | 121.3 | 163.3 | 192.4 | 215.1 |
| 47.5° | 152.0 | 106.7 | 80.8 | 67.9 | 64.7 | 69.5 | 80.8 | 101.9 | 137.4 | 166.5 | 192.4 |
| 50° | 132.6 | 93.8 | 69.5 | 58.2 | 55.0 | 59.8 | 69.5 | 85.7 | 116.4 | 142.3 | 169.8 |
| 52.5° | 119.7 | 87.3 | 61.4 | 50.1 | 48.5 | 51.7 | 59.8 | 72.8 | 98.6 | 121.3 | 147.1 |
| 55° | 116.4 | 87.3 | 56.6 | 45.3 | 43.7 | 46.9 | 53.4 | 63.1 | 85.7 | 105.1 | 127.7 |
| 57.5° | 119.7 | 93.8 | 53.4 | 38.8 | 37.2 | 40.4 | 46.9 | 55.0 | 74.4 | 90.5 | 111.6 |
| 60° | 119.7 | 95.4 | 46.9 | 30.7 | 29.1 | 32.3 | 38.8 | 48.5 | 66.3 | 79.2 | 97.0 |
| 62.5° | 108.3 | 87.3 | 38.8 | 24.3 | 21.0 | 24.3 | 32.3 | 40.4 | 58.2 | 71.1 | 85.7 |
| 65° | 93.8 | 74.4 | 32.3 | 17.8 | 14.6 | 17.8 | 25.9 | 34.0 | 50.1 | 61.4 | 77.6 |
| 67.5° | 76.0 | 56.6 | 24.3 | 12.9 | 9.7 | 12.9 | 19.4 | 27.5 | 42.0 | 53.4 | 69.5 |
| 70° | 56.6 | 40.4 | 19.4 | 11.3 | 9.7 | 11.3 | 17.8 | 25.9 | 37.2 | 48.5 | 64.7 |
| 72.5° | 42.0 | 27.5 | 16.2 | 11.3 | 8.1 | 11.3 | 16.2 | 24.3 | 35.6 | 46.9 | 61.4 |
| 75° | 35.6 | 22.6 | 14.6 | 9.7 | 8.1 | 9.7 | 14.6 | 22.6 | 32.3 | 43.7 | 58.2 |
| 77.5° | 34.0 | 21.0 | 12.9 | 8.1 | 6.5 | 8.1 | 12.9 | 19.4 | 29.1 | 40.4 | 56.6 |
| 80° | 29.1 | 17.8 | 11.3 | 6.5 | 4.9 | 6.5 | 11.3 | 16.2 | 22.6 | 30.7 | 43.7 |
| 82.5° | 22.6 | 14.6 | 8.1 | 3.2 | 1.6 | 3.2 | 8.1 | 9.7 | 14.6 | 17.8 | 25.9 |
| 85° | 14.6 | 8.1 | 3.2 | 0.0 | 0.0 | 0.0 | 3.2 | 6.5 | 6.5 | 8.1 | 12.9 |
| 87.5° | 6.5 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 3.2 | 4.9 |
| 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: P642445

CATALOG NUMBER: GWS-SA6C-830-U-SLR-W-HSS

CANDELA DISTRIBUTION (continued):

| | 285° | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 359° | 360° |
|-------|-------|-------|-------|-------|-------|--------|--------|--------|---------|---------|
| 0° | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 | 727.6 |
| 2.5° | 682.3 | 684.0 | 687.2 | 692.1 | 703.4 | 713.1 | 722.8 | 735.7 | 742.2 | 742.2 |
| 5° | 617.7 | 619.3 | 620.9 | 627.4 | 643.5 | 656.5 | 677.5 | 703.4 | 716.3 | 719.5 |
| 7.5° | 567.5 | 570.8 | 574.0 | 578.9 | 595.0 | 612.8 | 640.3 | 688.8 | 713.1 | 717.9 |
| 10° | 538.4 | 543.3 | 549.8 | 559.5 | 574.0 | 593.4 | 640.3 | 727.6 | 768.0 | 776.1 |
| 12.5° | 515.8 | 523.9 | 530.4 | 541.7 | 559.5 | 590.2 | 684.0 | 837.6 | 908.7 | 928.1 |
| 15° | 493.2 | 502.9 | 512.6 | 523.9 | 543.3 | 601.5 | 768.0 | 1034.8 | 1152.9 | 1167.4 |
| 17.5° | 470.5 | 481.8 | 494.8 | 507.7 | 532.0 | 629.0 | 900.6 | 1308.1 | 1473.0 | 1505.4 |
| 20° | 444.7 | 459.2 | 477.0 | 493.2 | 520.7 | 672.6 | 1085.0 | 1633.1 | 1840.1 | 1909.6 |
| 22.5° | 417.2 | 435.0 | 456.0 | 477.0 | 507.7 | 726.0 | 1308.1 | 1982.4 | 2271.8 | 2317.1 |
| 25° | 394.5 | 412.3 | 431.7 | 452.7 | 486.7 | 790.7 | 1578.1 | 2415.7 | 2679.3 | 2722.9 |
| 27.5° | 373.5 | 391.3 | 409.1 | 428.5 | 465.7 | 874.8 | 1903.1 | 2876.5 | 3151.4 | 3196.7 |
| 30° | 350.9 | 371.9 | 389.7 | 409.1 | 446.3 | 978.2 | 2278.3 | 3387.5 | 3647.8 | 3689.9 |
| 32.5° | 331.5 | 352.5 | 370.3 | 389.7 | 431.7 | 1091.4 | 2672.8 | 3840.2 | 4052.1 | 4052.1 |
| 35° | 315.3 | 337.9 | 350.9 | 376.7 | 420.4 | 1164.2 | 3046.3 | 4272.0 | 4432.0 | 4425.6 |
| 37.5° | 297.5 | 325.0 | 334.7 | 352.5 | 405.9 | 1172.3 | 3397.2 | 4727.9 | 4846.0 | 4803.9 |
| 40° | 279.7 | 308.8 | 323.4 | 333.1 | 389.7 | 1106.0 | 3782.0 | 5146.7 | 5247.0 | 5192.0 |
| 42.5° | 263.6 | 286.2 | 307.2 | 318.5 | 380.0 | 989.6 | 4090.9 | 5594.6 | 5714.3 | 5665.8 |
| 45° | 247.4 | 266.8 | 279.7 | 300.8 | 386.4 | 908.7 | 4356.0 | 6116.9 | 6327.1 | 6291.5 |
| 47.5° | 231.2 | 247.4 | 255.5 | 287.8 | 430.1 | 871.5 | 4517.7 | 6925.4 | 7321.5 | 7292.4 |
| 50° | 213.4 | 232.8 | 232.8 | 284.6 | 494.8 | 884.5 | 4658.4 | 8096.0 | 8708.8 | 8699.1 |
| 52.5° | 195.6 | 216.7 | 213.4 | 308.8 | 544.9 | 944.3 | 4818.5 | 9129.3 | 10194.8 | 10283.7 |
| 55° | 177.9 | 197.3 | 200.5 | 357.3 | 574.0 | 996.0 | 4199.2 | 9564.2 | 11464.1 | 11776.2 |
| 57.5° | 158.5 | 169.8 | 208.6 | 394.5 | 564.3 | 1146.4 | 2876.5 | 9643.4 | 12274.2 | 12943.6 |
| 60° | 137.4 | 147.1 | 236.1 | 386.4 | 533.6 | 1059.1 | 1811.0 | 8932.0 | 12159.4 | 13008.3 |
| 62.5° | 119.7 | 135.8 | 249.0 | 341.2 | 543.3 | 918.4 | 1154.5 | 7612.6 | 11064.7 | 12033.3 |
| 65° | 105.1 | 131.0 | 226.4 | 308.8 | 549.8 | 622.5 | 779.4 | 6192.9 | 9995.9 | 10917.6 |
| 67.5° | 93.8 | 145.5 | 185.9 | 274.9 | 472.1 | 438.2 | 535.2 | 4812.0 | 8404.9 | 9231.1 |
| 70° | 85.7 | 148.8 | 152.0 | 236.1 | 365.4 | 281.3 | 352.5 | 3238.7 | 5793.5 | 6737.8 |
| 72.5° | 77.6 | 110.0 | 114.8 | 189.2 | 236.1 | 171.4 | 228.0 | 1853.0 | 4223.5 | 4867.0 |
| 75° | 74.4 | 74.4 | 79.2 | 122.9 | 131.0 | 124.5 | 147.1 | 1106.0 | 3028.5 | 3499.1 |
| 77.5° | 69.5 | 56.6 | 50.1 | 79.2 | 71.1 | 88.9 | 87.3 | 491.6 | 1313.0 | 1419.7 |
| 80° | 55.0 | 40.4 | 34.0 | 50.1 | 48.5 | 59.8 | 51.7 | 40.4 | 59.8 | 58.2 |
| 82.5° | 34.0 | 25.9 | 24.3 | 30.7 | 27.5 | 30.7 | 24.3 | 6.5 | 6.5 | 6.5 |
| 85° | 16.2 | 14.6 | 12.9 | 12.9 | 14.6 | 12.9 | 9.7 | 3.2 | 1.6 | 1.6 |
| 87.5° | 8.1 | 8.1 | 6.5 | 4.9 | 6.5 | 6.5 | 4.9 | 1.6 | 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 |

(END OF REPORT)