

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: P630630

Luminaire Tested: GWS-SA1E-722-U-T2R-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630630
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-11)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1E-722-U-T2R-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5691.5 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

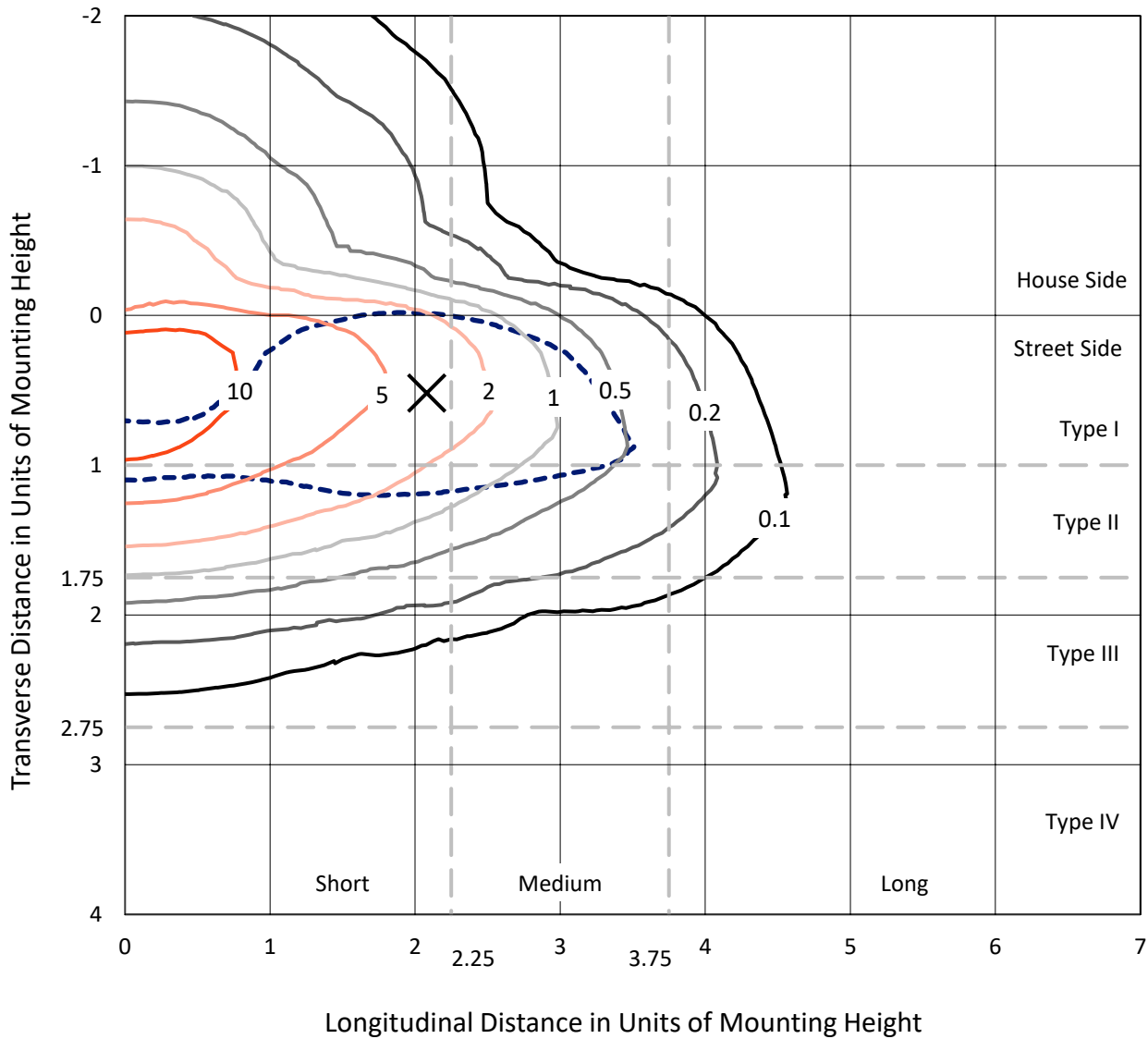
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630630
 CATALOG NUMBER: GWS-SA1E-722-U-T2R-W

Iso-Footcandle Lines of Horizontal Illumination

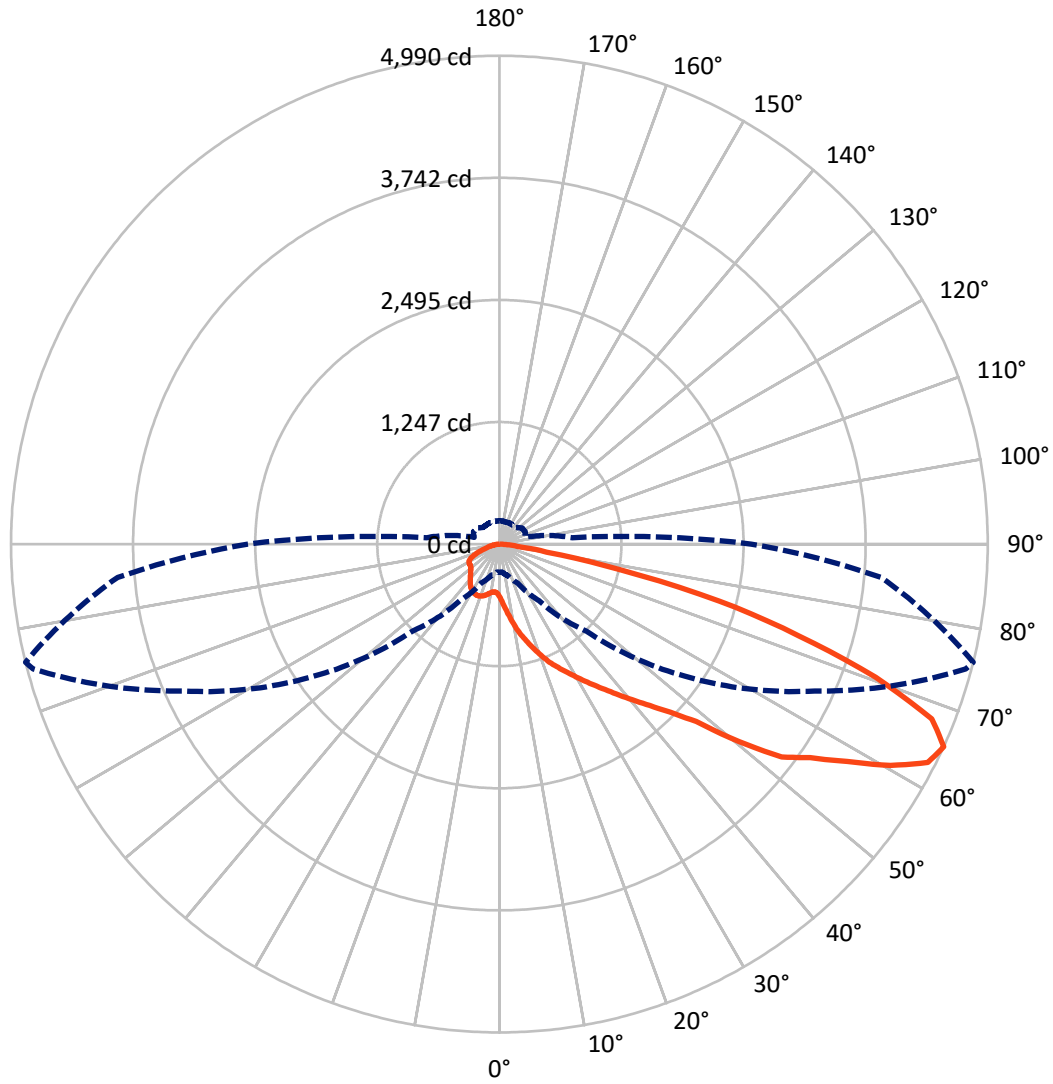
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14 fc
 Type II - Short - N/A

REPORT NUMBER: P630630
CATALOG NUMBER: GWS-SA1E-722-U-T2R-W

Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P630630

CATALOG NUMBER: GWS-SA1E-722-U-T2R-W

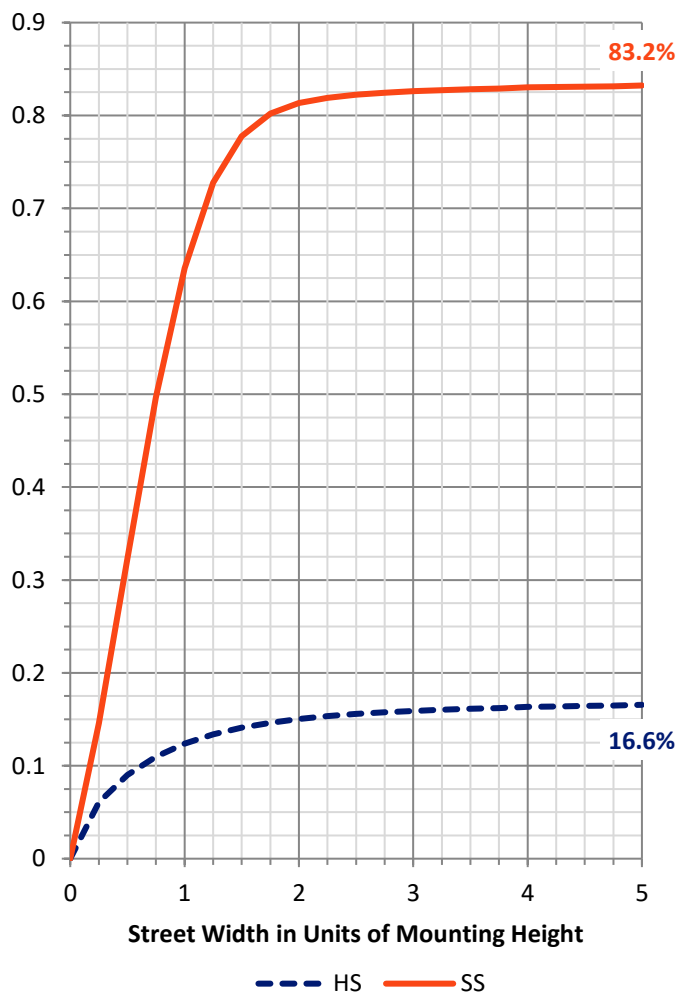
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 951.3 | 0.0 | 951.3 |
| | % Fixture | 16.7 | 0.0 | 16.7 |
| Street Side | Lumens | 4740.2 | 0.0 | 4740.2 |
| | % Fixture | 83.3 | 0.0 | 83.3 |
| Total | Lumens | 5691.5 | 0.0 | 5691.5 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 64.0 | 1.1 |
| 10°-20° | 243.9 | 4.3 |
| 20°-30° | 475.3 | 8.4 |
| 30°-40° | 794.9 | 14.0 |
| 40°-50° | 1138.2 | 20.0 |
| 50°-60° | 1347.5 | 23.7 |
| 60°-70° | 1120.4 | 19.7 |
| 70°-80° | 458.5 | 8.1 |
| 80°-90° | 48.8 | 0.9 |
| 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° | 5691.5 | 100.0 |
| 0°-180° | 5691.5 | 100.0 |

Coefficient of Utilization



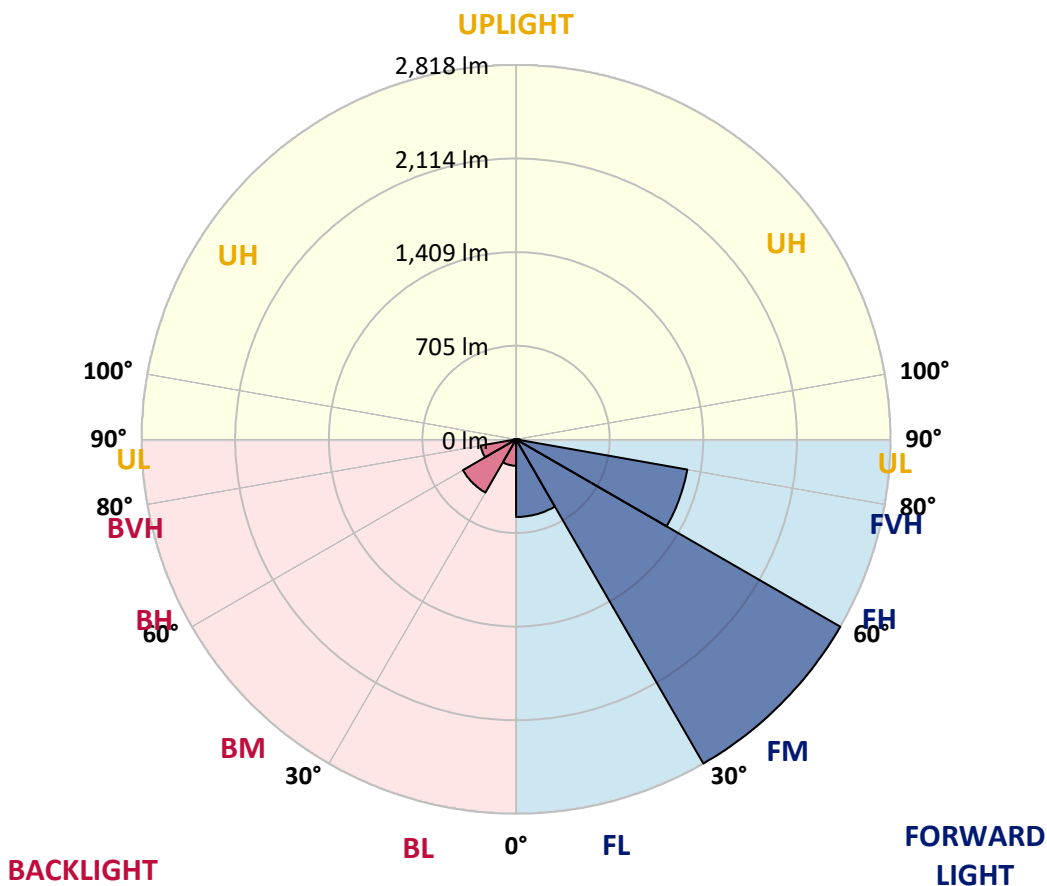
REPORT NUMBER: P630630

CATALOG NUMBER: GWS-SA1E-722-U-T2R-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 584.2 | 10.3 | | | |
| FM (30°-60°) | 2818.2 | 49.5 | | | |
| FH (60°-80°) | 1308.6 | 23.0 | | | G1/1800 |
| FVH (80°-90°) | 29.1 | 0.5 | | | G1/100 |
| BL (0°-30°) | 199.0 | 3.5 | B1/500 | | |
| BM (30°-60°) | 462.3 | 8.1 | B1/1000 | | |
| BH (60°-80°) | 270.3 | 4.7 | B1/500 | | G1/500 |
| BVH (80°-90°) | 19.7 | 0.3 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G1
 Type II Short





REPORT NUMBER: P630630

CATALOG NUMBER: GWS-SA1E-722-U-T2R-W

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 76° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 539.0 | 539.0 | 539.0 | 539.0 | 539.0 | 539.0 | 539.0 | 539.0 | 539.0 | 539.0 | 539.0 |
| 2.5° | 755.4 | 758.2 | 749.0 | 745.8 | 724.2 | 695.0 | 670.6 | 633.8 | 599.8 | 594.6 | 564.2 |
| 5° | 959.5 | 947.5 | 937.1 | 930.3 | 900.3 | 867.1 | 815.4 | 746.2 | 673.8 | 665.0 | 599.4 |
| 7.5° | 1080.7 | 1078.7 | 1065.9 | 1061.9 | 1038.7 | 1005.5 | 952.3 | 866.3 | 761.0 | 746.6 | 647.0 |
| 10° | 1178.0 | 1176.8 | 1170.4 | 1174.0 | 1152.8 | 1120.3 | 1068.7 | 979.9 | 856.7 | 842.3 | 700.2 |
| 12.5° | 1262.8 | 1264.8 | 1263.6 | 1276.8 | 1266.0 | 1240.8 | 1187.2 | 1089.5 | 952.3 | 936.7 | 765.0 |
| 15° | 1324.8 | 1326.4 | 1332.4 | 1361.2 | 1367.2 | 1362.0 | 1307.6 | 1197.2 | 1046.7 | 1024.3 | 831.9 |
| 17.5° | 1342.4 | 1345.6 | 1360.0 | 1406.4 | 1438.8 | 1460.4 | 1420.0 | 1306.8 | 1139.5 | 1115.1 | 899.9 |
| 20° | 1366.0 | 1369.6 | 1384.0 | 1432.4 | 1480.1 | 1529.3 | 1522.1 | 1418.0 | 1233.2 | 1213.2 | 968.7 |
| 22.5° | 1475.2 | 1472.4 | 1466.0 | 1489.3 | 1523.3 | 1584.5 | 1602.5 | 1524.9 | 1330.0 | 1310.8 | 1044.7 |
| 25° | 1685.7 | 1680.5 | 1639.7 | 1618.5 | 1607.3 | 1644.5 | 1676.5 | 1622.1 | 1424.4 | 1395.6 | 1115.5 |
| 27.5° | 1917.8 | 1915.0 | 1863.0 | 1812.6 | 1743.7 | 1727.7 | 1746.5 | 1706.9 | 1516.1 | 1486.9 | 1177.2 |
| 30° | 2137.5 | 2129.0 | 2074.6 | 2011.4 | 1919.4 | 1850.6 | 1823.0 | 1790.1 | 1616.5 | 1586.1 | 1249.2 |
| 32.5° | 2333.9 | 2323.1 | 2259.1 | 2189.1 | 2092.6 | 2011.4 | 1929.0 | 1878.6 | 1730.1 | 1694.9 | 1322.8 |
| 35° | 2495.2 | 2484.4 | 2418.7 | 2344.3 | 2238.3 | 2178.3 | 2065.4 | 1974.6 | 1845.8 | 1810.2 | 1409.6 |
| 37.5° | 2620.0 | 2610.0 | 2541.6 | 2468.4 | 2375.9 | 2328.3 | 2230.3 | 2082.6 | 1979.0 | 1941.8 | 1501.7 |
| 40° | 2690.0 | 2682.8 | 2628.0 | 2570.0 | 2492.4 | 2451.1 | 2407.1 | 2219.1 | 2128.2 | 2091.0 | 1610.1 |
| 42.5° | 2711.2 | 2706.4 | 2668.0 | 2638.0 | 2585.6 | 2554.4 | 2579.6 | 2379.5 | 2287.5 | 2255.1 | 1732.1 |
| 45° | 2658.0 | 2658.0 | 2646.8 | 2662.0 | 2664.4 | 2664.0 | 2752.4 | 2560.8 | 2483.2 | 2447.5 | 1904.2 |
| 47.5° | 2522.0 | 2530.8 | 2547.2 | 2622.0 | 2700.8 | 2766.8 | 2954.5 | 2802.5 | 2734.8 | 2705.6 | 2147.9 |
| 50° | 2273.1 | 2297.1 | 2353.1 | 2499.2 | 2666.8 | 2834.9 | 3145.8 | 3159.8 | 3224.2 | 3172.6 | 2506.4 |
| 52.5° | 1908.6 | 1905.0 | 2047.8 | 2255.9 | 2511.6 | 2837.7 | 3251.0 | 3475.1 | 3648.3 | 3612.7 | 2772.8 |
| 55° | 1516.9 | 1510.9 | 1644.1 | 1931.0 | 2273.5 | 2730.4 | 3314.2 | 3619.5 | 3883.6 | 3851.6 | 3012.5 |
| 57.5° | 1161.6 | 1154.0 | 1272.4 | 1531.3 | 1937.4 | 2502.8 | 3302.2 | 3791.6 | 4207.3 | 4190.9 | 3338.2 |
| 60° | 799.4 | 790.2 | 901.1 | 1127.5 | 1539.7 | 2154.7 | 3169.4 | 3880.0 | 4586.2 | 4591.8 | 3686.7 |
| 62.5° | 480.1 | 474.9 | 555.4 | 731.0 | 1107.5 | 1723.3 | 2858.5 | 3826.4 | 4887.9 | 4913.1 | 3910.8 |
| 65° | 289.7 | 286.1 | 333.3 | 436.1 | 702.6 | 1257.6 | 2379.1 | 3552.3 | 4931.5 | 4989.5 | 3916.0 |
| 67.5° | 210.9 | 211.3 | 224.9 | 265.7 | 409.7 | 812.2 | 1785.3 | 3060.9 | 4704.2 | 4764.2 | 3669.1 |
| 70° | 183.3 | 184.1 | 191.3 | 200.5 | 247.7 | 464.9 | 1160.8 | 2416.3 | 4032.4 | 4078.8 | 3077.3 |
| 72.5° | 162.8 | 162.8 | 167.7 | 172.5 | 193.7 | 283.3 | 621.8 | 1688.9 | 3182.6 | 3195.0 | 2348.7 |
| 75° | 143.2 | 142.0 | 144.4 | 146.8 | 168.1 | 198.1 | 302.5 | 1176.8 | 2350.7 | 2321.9 | 1518.1 |
| 77.5° | 114.0 | 112.8 | 113.2 | 115.6 | 134.8 | 141.6 | 153.2 | 735.0 | 1324.8 | 1250.4 | 670.6 |
| 80° | 81.2 | 80.4 | 84.8 | 90.8 | 99.6 | 86.8 | 96.0 | 355.7 | 525.4 | 488.9 | 260.1 |
| 82.5° | 48.4 | 50.0 | 56.8 | 61.6 | 68.8 | 54.4 | 62.0 | 118.8 | 186.1 | 181.3 | 105.6 |
| 85° | 6.8 | 7.2 | 20.4 | 23.6 | 29.6 | 21.2 | 32.8 | 53.6 | 74.4 | 79.6 | 37.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 2.8 | 9.6 | 21.2 | 21.6 | 9.2 |
| 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: P630630
 CATALOG NUMBER: GWS-SA1E-722-U-T2R-W

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0° | 539.0 | 539.0 | 539.0 | 539.0 | 539.0 | 539.0 | 539.0 | 539.0 | 539.0 | 539.0 | 539.0 |
| 2.5° | 548.6 | 529.8 | 503.0 | 480.5 | 461.7 | 446.5 | 433.7 | 424.1 | 421.3 | 417.3 | 417.3 |
| 5° | 568.6 | 534.6 | 486.5 | 452.5 | 432.9 | 421.3 | 413.3 | 409.3 | 407.3 | 404.9 | 403.7 |
| 7.5° | 596.2 | 548.6 | 483.7 | 449.3 | 434.1 | 426.9 | 421.7 | 419.3 | 417.7 | 415.3 | 415.3 |
| 10° | 634.2 | 569.4 | 492.5 | 460.5 | 448.5 | 441.3 | 435.3 | 431.3 | 427.7 | 424.1 | 423.3 |
| 12.5° | 675.4 | 596.6 | 508.6 | 475.7 | 462.9 | 454.1 | 445.7 | 439.7 | 435.3 | 430.9 | 429.7 |
| 15° | 721.0 | 624.6 | 525.8 | 490.5 | 474.5 | 462.5 | 452.5 | 443.3 | 437.3 | 430.9 | 430.1 |
| 17.5° | 765.8 | 653.0 | 540.2 | 500.6 | 480.1 | 465.3 | 450.9 | 438.9 | 431.3 | 424.1 | 422.1 |
| 20° | 819.4 | 681.4 | 550.2 | 503.4 | 478.9 | 459.3 | 442.1 | 426.9 | 418.5 | 410.1 | 408.9 |
| 22.5° | 868.7 | 707.8 | 555.0 | 499.4 | 469.7 | 446.5 | 426.5 | 410.1 | 400.9 | 392.5 | 390.9 |
| 25° | 916.3 | 731.0 | 553.0 | 489.7 | 455.7 | 428.9 | 408.1 | 391.7 | 382.9 | 374.1 | 371.7 |
| 27.5° | 962.3 | 746.6 | 545.0 | 474.9 | 438.1 | 409.3 | 389.3 | 374.5 | 366.9 | 359.3 | 356.1 |
| 30° | 1007.5 | 761.0 | 532.6 | 455.7 | 415.7 | 388.9 | 372.5 | 362.1 | 354.5 | 346.5 | 344.1 |
| 32.5° | 1053.1 | 771.4 | 513.8 | 433.3 | 392.9 | 370.9 | 360.9 | 353.3 | 345.3 | 337.3 | 334.9 |
| 35° | 1099.1 | 775.8 | 490.9 | 407.7 | 373.7 | 359.3 | 355.7 | 346.9 | 336.1 | 326.5 | 323.3 |
| 37.5° | 1154.0 | 779.8 | 462.5 | 382.5 | 356.9 | 353.7 | 352.9 | 339.7 | 326.9 | 313.7 | 310.1 |
| 40° | 1220.0 | 785.0 | 433.3 | 359.7 | 343.3 | 351.7 | 348.5 | 330.5 | 304.9 | 292.1 | 288.1 |
| 42.5° | 1300.8 | 794.6 | 402.9 | 338.9 | 333.3 | 344.1 | 340.5 | 308.1 | 290.9 | 283.7 | 281.7 |
| 45° | 1419.6 | 829.9 | 372.5 | 322.5 | 325.7 | 333.3 | 327.7 | 294.9 | 288.1 | 283.3 | 280.9 |
| 47.5° | 1631.3 | 883.9 | 346.1 | 310.1 | 319.7 | 323.7 | 302.1 | 291.3 | 286.1 | 279.7 | 276.9 |
| 50° | 1851.4 | 907.5 | 324.9 | 302.5 | 312.9 | 314.9 | 288.1 | 286.5 | 282.9 | 276.1 | 273.3 |
| 52.5° | 2000.2 | 904.3 | 312.1 | 299.7 | 307.3 | 299.7 | 281.7 | 281.3 | 278.9 | 270.9 | 267.7 |
| 55° | 2168.3 | 909.9 | 306.5 | 300.5 | 304.9 | 274.1 | 273.7 | 274.9 | 273.7 | 264.9 | 263.3 |
| 57.5° | 2395.1 | 927.1 | 303.7 | 303.3 | 303.3 | 261.7 | 266.1 | 267.7 | 265.3 | 261.3 | 260.1 |
| 60° | 2613.2 | 928.3 | 298.5 | 306.5 | 302.1 | 254.1 | 257.3 | 258.9 | 256.1 | 255.3 | 254.9 |
| 62.5° | 2695.2 | 870.7 | 286.9 | 304.1 | 297.3 | 245.7 | 248.1 | 248.9 | 246.1 | 248.1 | 247.7 |
| 65° | 2573.2 | 748.2 | 267.7 | 292.5 | 282.5 | 238.1 | 236.5 | 238.5 | 233.7 | 238.9 | 239.3 |
| 67.5° | 2284.7 | 594.6 | 238.5 | 270.5 | 261.7 | 229.7 | 226.5 | 226.5 | 218.5 | 226.5 | 226.1 |
| 70° | 1842.2 | 420.1 | 195.7 | 235.3 | 238.9 | 219.7 | 218.1 | 208.9 | 196.1 | 208.1 | 206.9 |
| 72.5° | 1396.4 | 301.7 | 154.0 | 186.1 | 205.7 | 205.7 | 206.1 | 190.5 | 175.7 | 181.3 | 176.5 |
| 75° | 884.7 | 212.5 | 123.2 | 142.4 | 161.2 | 180.5 | 189.7 | 160.8 | 147.6 | 145.2 | 142.8 |
| 77.5° | 398.5 | 139.6 | 96.0 | 109.2 | 114.4 | 142.4 | 173.3 | 138.4 | 120.4 | 115.2 | 113.6 |
| 80° | 166.9 | 86.8 | 68.4 | 77.2 | 70.4 | 119.6 | 152.8 | 107.6 | 88.4 | 81.2 | 76.0 |
| 82.5° | 73.2 | 51.6 | 43.6 | 41.6 | 44.0 | 88.8 | 114.0 | 71.6 | 55.2 | 74.8 | 75.6 |
| 85° | 30.8 | 27.2 | 22.4 | 20.4 | 18.0 | 34.0 | 53.6 | 28.0 | 34.4 | 19.6 | 16.0 |
| 87.5° | 7.2 | 8.0 | 6.0 | 4.0 | 2.4 | 0.4 | 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)