

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: P641764

Luminaire Tested: GWS-SA6B-750-U-AFL-W-HSS

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641764
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-48)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-750-U-AFL-W-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18162.1 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

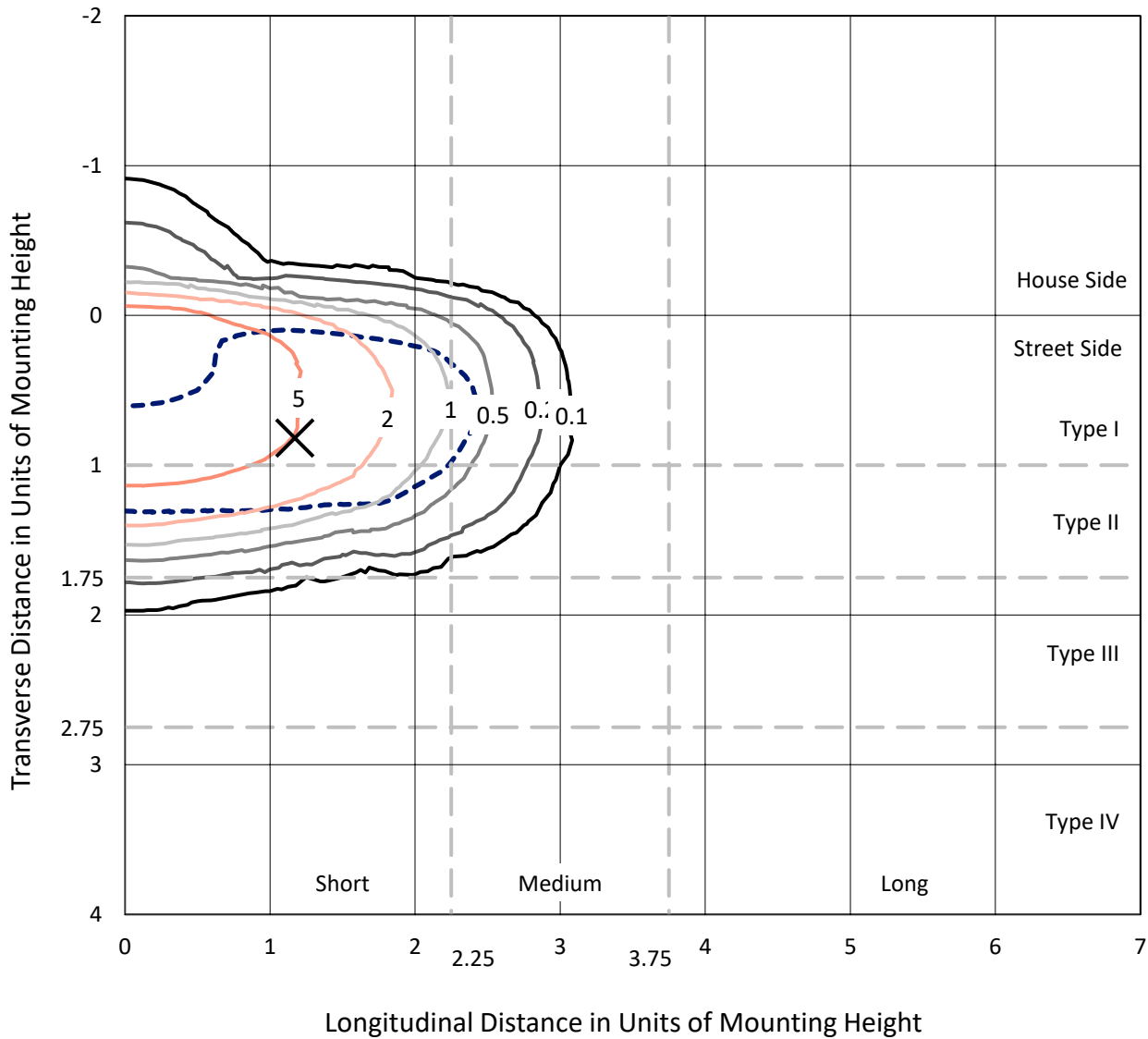
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641764
 CATALOG NUMBER: GWS-SA6B-750-U-AFL-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

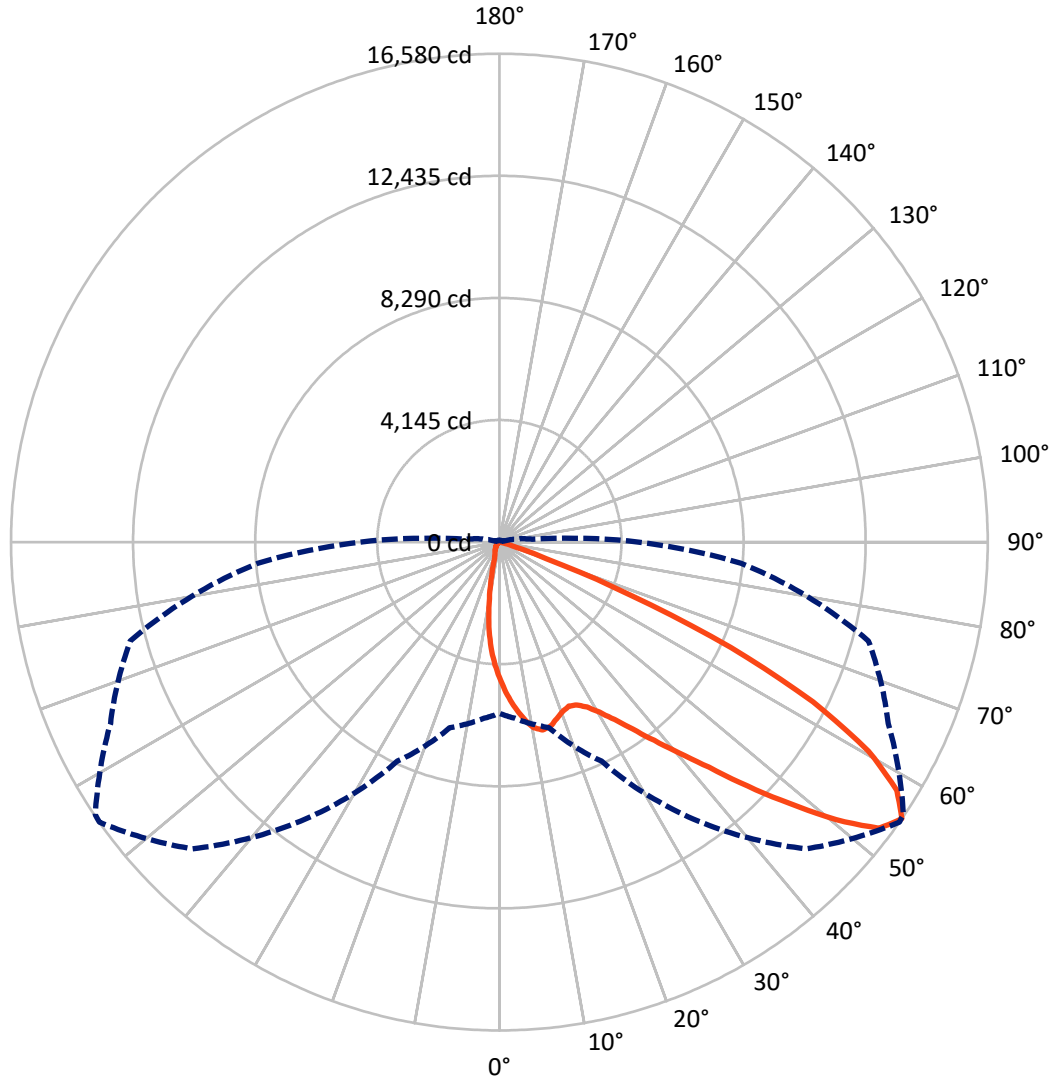
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.8 fc
 Type II - Short - N/A

REPORT NUMBER: P641764
CATALOG NUMBER: GWS-SA6B-750-U-AFL-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P641764
 CATALOG NUMBER: GWS-SA6B-750-U-AFL-W-HSS

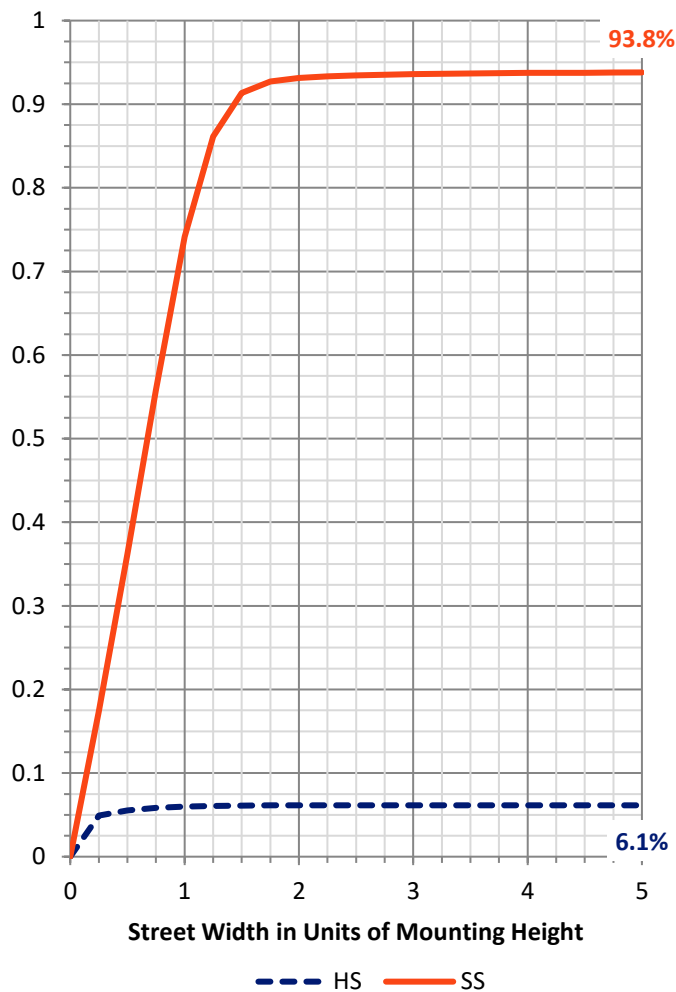
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 1120.7 | 0.0 | 1120.7 |
| | % Fixture | 6.2 | 0.0 | 6.2 |
| Street Side | Lumens | 17041.4 | 0.0 | 17041.4 |
| | % Fixture | 93.8 | 0.0 | 93.8 |
| Total | Lumens | 18162.1 | 0.0 | 18162.1 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 414.7 | 2.3 |
| 10°-20° | 999.7 | 5.5 |
| 20°-30° | 1664.9 | 9.2 |
| 30°-40° | 2837.1 | 15.6 |
| 40°-50° | 4631.1 | 25.5 |
| 50°-60° | 4848.5 | 26.7 |
| 60°-70° | 2445.5 | 13.5 |
| 70°-80° | 308.9 | 1.7 |
| 80°-90° | 11.7 | 0.1 |
| 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° | 18162.1 | 100.0 |
| 0°-180° | 18162.1 | 100.0 |

Coefficient of Utilization



REPORT NUMBER: P641764

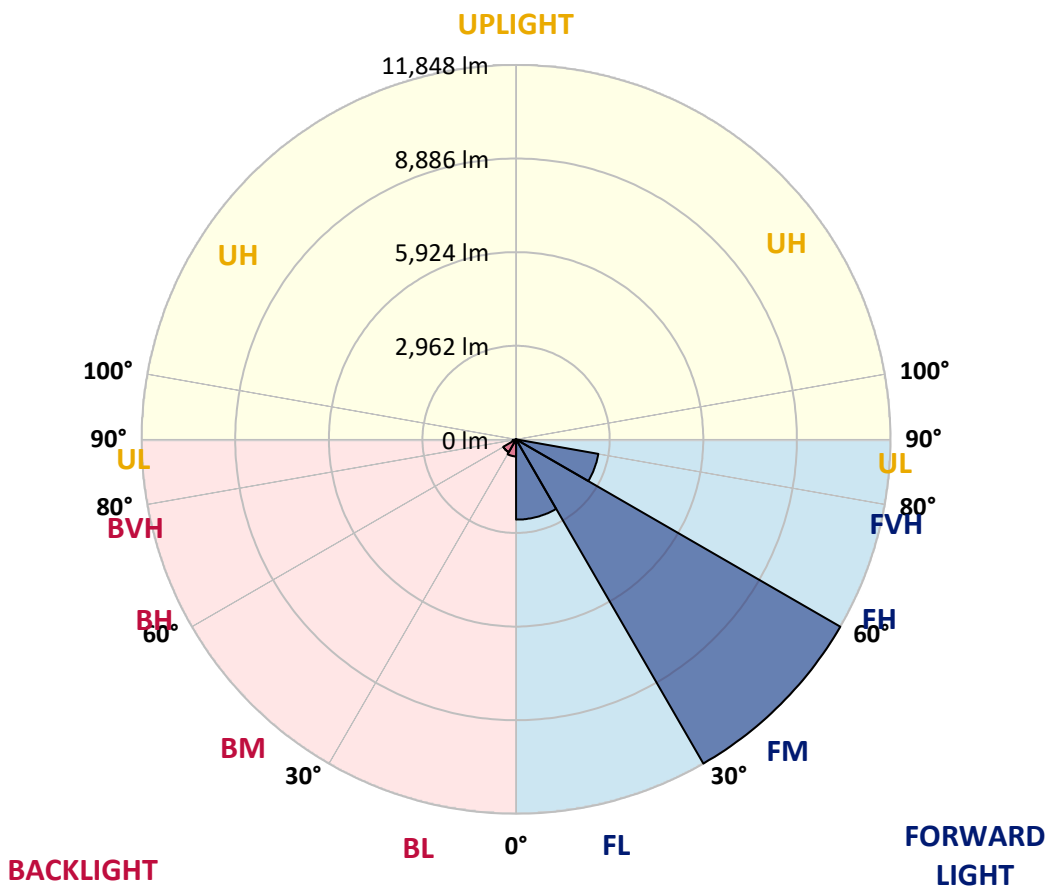
CATALOG NUMBER: GWS-SA6B-750-U-AFL-W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2540.6 | 14.0 | | | |
| FM (30°-60°) | 11848.1 | 65.2 | | | |
| FH (60°-80°) | 2642.0 | 14.5 | | | G2/5000 |
| FVH (80°-90°) | 10.7 | 0.1 | | | G1/100 |
| BL (0°-30°) | 538.6 | 3.0 | B2/1000 | | |
| BM (30°-60°) | 468.6 | 2.6 | B1/1000 | | |
| BH (60°-80°) | 112.4 | 0.6 | B1/500 | | G1/500 |
| BVH (80°-90°) | 1.1 | 0.0 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B2-U0-G2

Type II Short





REPORT NUMBER: P641764

CATALOG NUMBER: GWS-SA6B-750-U-AFL-W-HSS

CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 56° | 65° | 75° | 85° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
| 0° | 4692.0 | 4692.0 | 4692.0 | 4692.0 | 4692.0 | 4692.0 | 4692.0 | 4692.0 | 4692.0 | 4692.0 | 4692.0 |
| 2.5° | 5469.9 | 5443.5 | 5483.9 | 5437.3 | 5358.1 | 5291.3 | 5204.4 | 5173.3 | 5033.6 | 4901.6 | 4774.3 |
| 5° | 6134.4 | 6142.2 | 6129.8 | 6064.5 | 5952.8 | 5828.5 | 5653.1 | 5614.3 | 5370.5 | 5119.0 | 4847.3 |
| 7.5° | 6299.0 | 6294.3 | 6320.7 | 6345.6 | 6326.9 | 6264.8 | 6073.9 | 6035.0 | 5732.3 | 5355.0 | 4959.1 |
| 10° | 5791.3 | 5794.4 | 5848.7 | 6016.4 | 6224.5 | 6440.3 | 6410.8 | 6389.0 | 6092.5 | 5622.0 | 5083.3 |
| 12.5° | 5074.0 | 5101.9 | 5159.4 | 5398.5 | 5750.9 | 6241.5 | 6545.9 | 6567.6 | 6423.2 | 5915.5 | 5229.2 |
| 15° | 4763.4 | 4769.7 | 4816.2 | 4960.6 | 5223.0 | 5828.5 | 6488.4 | 6549.0 | 6699.6 | 6210.5 | 5387.6 |
| 17.5° | 4755.7 | 4763.4 | 4783.6 | 4847.3 | 5018.1 | 5504.0 | 6303.6 | 6409.2 | 6907.6 | 6527.2 | 5577.0 |
| 20° | 5047.6 | 5042.9 | 5028.9 | 4994.8 | 5069.3 | 5396.9 | 6132.9 | 6249.3 | 7021.0 | 6836.2 | 5768.0 |
| 22.5° | 5577.0 | 5570.8 | 5508.7 | 5367.4 | 5306.9 | 5494.7 | 6049.0 | 6154.6 | 7089.3 | 7111.0 | 5924.8 |
| 25° | 6187.2 | 6230.7 | 6114.2 | 5900.0 | 5750.9 | 5744.7 | 6123.5 | 6198.1 | 7148.3 | 7354.8 | 6031.9 |
| 27.5° | 6856.4 | 6870.4 | 6771.0 | 6530.3 | 6314.5 | 6145.3 | 6339.4 | 6395.2 | 7213.5 | 7572.1 | 6092.5 |
| 30° | 7590.8 | 7586.1 | 7472.8 | 7193.3 | 6930.9 | 6687.1 | 6702.7 | 6724.4 | 7365.6 | 7820.6 | 6159.3 |
| 32.5° | 8508.4 | 8528.6 | 8326.7 | 7946.3 | 7631.1 | 7294.2 | 7177.8 | 7180.9 | 7640.5 | 8140.4 | 6260.2 |
| 35° | 9755.1 | 9705.4 | 9438.4 | 8896.5 | 8359.3 | 7996.0 | 7797.3 | 7780.2 | 8064.3 | 8570.5 | 6435.6 |
| 37.5° | 10942.9 | 10947.5 | 10668.1 | 10071.9 | 9393.4 | 8820.4 | 8539.4 | 8492.8 | 8660.5 | 9166.7 | 6727.5 |
| 40° | 11767.3 | 11782.8 | 11666.4 | 11354.3 | 10635.5 | 9825.0 | 9412.0 | 9363.9 | 9433.7 | 9921.3 | 7109.5 |
| 42.5° | 12203.6 | 12247.1 | 12279.7 | 12352.7 | 11807.7 | 11079.5 | 10444.5 | 10439.8 | 10366.9 | 10781.4 | 7552.0 |
| 45° | 12220.7 | 12285.9 | 12484.6 | 12983.0 | 13045.1 | 12511.0 | 11820.1 | 11716.1 | 11435.1 | 11702.1 | 7947.9 |
| 47.5° | 11545.3 | 11695.9 | 12118.2 | 13105.7 | 13757.8 | 13934.8 | 13250.1 | 13186.4 | 12397.7 | 12430.3 | 8244.4 |
| 50° | 9970.9 | 10127.8 | 10905.6 | 12476.9 | 13937.9 | 15065.1 | 14819.8 | 14687.8 | 13201.9 | 12911.6 | 8387.3 |
| 52.5° | 8356.2 | 8499.1 | 9026.9 | 10980.1 | 13191.1 | 15420.6 | 16142.6 | 15985.8 | 13923.9 | 13079.3 | 8328.3 |
| 55° | 5814.6 | 6005.5 | 6521.0 | 8207.2 | 11470.8 | 14728.2 | 16580.4 | 16547.8 | 14568.2 | 12973.7 | 8236.7 |
| 57.5° | 2850.6 | 3040.0 | 3554.0 | 5060.0 | 8497.5 | 12858.8 | 15911.3 | 16083.6 | 14953.3 | 12860.4 | 8162.1 |
| 60° | 1190.9 | 1268.5 | 1445.5 | 2220.2 | 4754.1 | 9717.9 | 14400.6 | 14639.7 | 14717.3 | 12706.7 | 8154.4 |
| 62.5° | 690.9 | 703.3 | 722.0 | 920.7 | 1849.2 | 5570.8 | 11945.9 | 12285.9 | 13476.8 | 12503.3 | 8031.7 |
| 65° | 521.7 | 526.3 | 518.6 | 565.2 | 763.9 | 2113.1 | 8631.0 | 9093.7 | 11248.7 | 11708.3 | 7547.3 |
| 67.5° | 428.5 | 428.5 | 408.3 | 417.7 | 479.8 | 791.8 | 4765.0 | 5410.9 | 8323.6 | 9623.1 | 6232.2 |
| 70° | 341.6 | 349.3 | 340.0 | 327.6 | 343.1 | 437.8 | 1695.5 | 2102.2 | 4847.3 | 5682.6 | 3634.7 |
| 72.5° | 259.3 | 259.3 | 274.8 | 265.5 | 254.6 | 274.8 | 591.5 | 664.5 | 1945.4 | 2369.3 | 1312.0 |
| 75° | 200.3 | 206.5 | 217.4 | 208.1 | 192.5 | 163.0 | 284.1 | 301.2 | 586.9 | 551.2 | 293.4 |
| 77.5° | 102.5 | 104.0 | 138.2 | 152.2 | 142.8 | 99.4 | 124.2 | 136.6 | 191.0 | 170.8 | 108.7 |
| 80° | 62.1 | 65.2 | 77.6 | 119.6 | 94.7 | 52.8 | 51.2 | 54.3 | 90.1 | 77.6 | 45.0 |
| 82.5° | 26.4 | 27.9 | 43.5 | 43.5 | 38.8 | 20.2 | 20.2 | 20.2 | 43.5 | 40.4 | 18.6 |
| 85° | 0.0 | 0.0 | 7.8 | 6.2 | 6.2 | 7.8 | 7.8 | 7.8 | 10.9 | 15.5 | 9.3 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.6 | 4.7 | 4.7 |
| 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: P641764
 CATALOG NUMBER: GWS-SA6B-750-U-AFL-W-HSS

CANDELA DISTRIBUTION (continued):

| | 90° | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4692.0 | 4692.0 | 4692.0 | 4692.0 | 4692.0 | 4692.0 | 4692.0 | 4692.0 | 4692.0 | 4692.0 | 4692.0 |
| 2.5° | 4692.0 | 4592.7 | 4459.1 | 4338.0 | 4175.0 | 4083.4 | 3956.1 | 3852.1 | 3763.6 | 3735.6 | 3723.2 |
| 5° | 4693.6 | 4522.8 | 4237.1 | 3951.4 | 3600.5 | 3324.2 | 3040.0 | 2814.9 | 2630.1 | 2571.1 | 2555.6 |
| 7.5° | 4724.6 | 4473.1 | 4010.4 | 3491.8 | 2905.0 | 2420.5 | 1987.4 | 1599.2 | 1419.1 | 1358.5 | 1346.1 |
| 10° | 4766.5 | 4431.2 | 3748.0 | 2940.7 | 2097.6 | 1475.0 | 1044.9 | 796.5 | 678.5 | 613.3 | 622.6 |
| 12.5° | 4820.9 | 4397.0 | 3457.7 | 2344.5 | 1388.0 | 810.5 | 574.5 | 481.3 | 456.5 | 444.0 | 437.8 |
| 15° | 4893.9 | 4356.7 | 3097.5 | 1752.9 | 850.8 | 521.7 | 442.5 | 417.7 | 408.3 | 402.1 | 400.6 |
| 17.5° | 4968.4 | 4310.1 | 2731.1 | 1232.8 | 565.2 | 433.2 | 397.5 | 385.1 | 378.8 | 374.2 | 372.6 |
| 20° | 5047.6 | 4230.9 | 2301.0 | 849.3 | 445.6 | 389.7 | 366.4 | 352.4 | 344.7 | 336.9 | 335.4 |
| 22.5° | 5081.7 | 4103.6 | 1889.5 | 594.7 | 395.9 | 358.7 | 329.2 | 312.1 | 302.8 | 296.6 | 296.6 |
| 25° | 5049.1 | 3897.1 | 1464.1 | 451.8 | 360.2 | 324.5 | 295.0 | 276.4 | 268.6 | 262.4 | 262.4 |
| 27.5° | 4962.2 | 3631.6 | 1068.2 | 374.2 | 321.4 | 288.8 | 260.8 | 243.8 | 237.6 | 234.4 | 234.4 |
| 30° | 4865.9 | 3296.2 | 753.0 | 321.4 | 277.9 | 251.5 | 228.2 | 217.4 | 215.8 | 212.7 | 212.7 |
| 32.5° | 4783.6 | 2982.6 | 518.6 | 282.6 | 245.3 | 218.9 | 203.4 | 198.7 | 200.3 | 197.2 | 198.7 |
| 35° | 4738.6 | 2675.2 | 385.1 | 251.5 | 218.9 | 194.1 | 186.3 | 186.3 | 186.3 | 184.8 | 184.8 |
| 37.5° | 4757.2 | 2372.4 | 313.6 | 229.8 | 195.6 | 177.0 | 169.2 | 172.3 | 175.4 | 175.4 | 175.4 |
| 40° | 4850.4 | 2103.8 | 277.9 | 209.6 | 175.4 | 161.5 | 155.3 | 159.9 | 164.6 | 167.7 | 167.7 |
| 42.5° | 4968.4 | 1886.4 | 251.5 | 192.5 | 161.5 | 145.9 | 142.8 | 147.5 | 152.2 | 155.3 | 155.3 |
| 45° | 5042.9 | 1667.5 | 225.1 | 170.8 | 147.5 | 128.9 | 128.9 | 135.1 | 133.5 | 135.1 | 135.1 |
| 47.5° | 5077.1 | 1493.6 | 198.7 | 147.5 | 125.8 | 111.8 | 113.3 | 116.4 | 113.3 | 116.4 | 116.4 |
| 50° | 4993.2 | 1318.2 | 175.4 | 122.7 | 104.0 | 97.8 | 100.9 | 99.4 | 99.4 | 105.6 | 105.6 |
| 52.5° | 4839.5 | 1187.8 | 155.3 | 104.0 | 88.5 | 86.9 | 90.1 | 83.8 | 85.4 | 85.4 | 83.8 |
| 55° | 4726.2 | 1113.2 | 138.2 | 90.1 | 76.1 | 77.6 | 76.1 | 65.2 | 59.0 | 52.8 | 51.2 |
| 57.5° | 4670.3 | 1083.7 | 125.8 | 80.7 | 68.3 | 68.3 | 62.1 | 45.0 | 34.2 | 26.4 | 23.3 |
| 60° | 4657.9 | 1048.0 | 113.3 | 69.9 | 60.6 | 57.4 | 45.0 | 26.4 | 17.1 | 12.4 | 10.9 |
| 62.5° | 4539.9 | 961.1 | 102.5 | 55.9 | 52.8 | 46.6 | 27.9 | 15.5 | 9.3 | 6.2 | 4.7 |
| 65° | 4153.3 | 790.3 | 91.6 | 43.5 | 40.4 | 34.2 | 17.1 | 9.3 | 4.7 | 1.6 | 0.0 |
| 67.5° | 3304.0 | 560.5 | 80.7 | 32.6 | 27.9 | 21.7 | 10.9 | 6.2 | 1.6 | 0.0 | 0.0 |
| 70° | 1905.1 | 302.8 | 66.8 | 23.3 | 18.6 | 14.0 | 7.8 | 3.1 | 0.0 | 0.0 | 0.0 |
| 72.5° | 636.6 | 141.3 | 51.2 | 15.5 | 14.0 | 10.9 | 4.7 | 1.6 | 0.0 | 0.0 | 0.0 |
| 75° | 139.7 | 83.8 | 34.2 | 10.9 | 9.3 | 7.8 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 |
| 77.5° | 52.8 | 59.0 | 17.1 | 7.8 | 6.2 | 4.7 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 |
| 80° | 20.2 | 38.8 | 7.8 | 4.7 | 4.7 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 82.5° | 10.9 | 15.5 | 4.7 | 3.1 | 3.1 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 85° | 6.2 | 7.8 | 3.1 | 1.6 | 1.6 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 87.5° | 3.1 | 1.6 | 1.6 | 1.6 | 0.0 | 0.0 | 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)